4 EVALUATION OF EXISTING CONDITIONS

Fort River Elementary School & Site

Wildwood Elementary School & Site

Legal Deeds to Sites **(Electronic Copy Only)**

Traffic Study Report **(Electronic Copy Only)**

Stormwater Investigation Reports **(Electronic Copy Only)**

ESA Phase I Reports **(Electronic Copy Only)**

HazMat Reports **(Electronic Copy Only)**

FORT RIVER ELEMENTARY SCHOOL

Property Data

Address: 70 South East Street
Amherst, MA 01002

Use: Elementary School
(Grades K through 6)

Site Area: 31.5 acres

Date Built: 1973

Renovations: 1990 – Interior renovations, mold mitigation
1997 – Roof replacement, HVAC upgrades
2011 – Boiler replacement

Additions: None

Occupancy Group: E – Educational

Construction Class: Type IIB (noncombustible, unprotected)

Zoning District: R-VC Village Center, FPC Flood-Prone Conservancy

Flood Zone: X: 0.2% Annual Chance of Flooding

Building Data

No. Floors: One story

Gross Area: 82,00 GSF

Structure: Open web steel joists on concrete masonry unit and brick masonry bearing walls with conventional spread concrete footings.

Exterior Walls: Brick veneer masonry on CMU backup and precast concrete panels.

Roofing: Single-ply membrane.

Window Systems: Typically single-glazed aluminum frame system consisting of fixed lites and operable awning units. Many windows have been modified with lexan fastened to the frames.

Exterior Doors: Hollow metal doors in steel frames.

Interior Doors: Wood and hollow metal doors in hollow metal frames.

Interior Walls: Painted CMU and exposed brick masonry.

Floors: Typically vinyl composition tile (VCT), hardwood flooring at the Gym, quarry tile at the Kitchen, and tile at toilet rooms.

Ceilings: Suspended 24” x 48” acoustic tile.

Sprinklers: None

HVAC: Mechanical ventilation provided via unit ventilators at classrooms and indoor air handling units at gymnasium and interior spaces. Gas fired boilers (replaced in 2011. Air conditioned, chiller is at end of life.

Sewerage: 8” connection to municipal sewer in South East Street.

Water: 8” service from main running in South East Street.

Electric: 120/208 volts, 3-phase, 2,000 amp from South East Street.
90 KW, 120/208V, 3-phase diesel emergency generator.

Gas: Service main from South East Street

INTRODUCTION

The purpose of this section is to report the physical conditions of the existing building in order to identify the maintenance needs, capacity of existing systems, and the potential for expansion. Information has been obtained from historic drawings, previous reports and studies, on-site visual inspection, and interviews with school staff and maintenance personnel. No intrusive investigations or test opening have been performed to date.

General

The Fort River Elementary School is located at 70 South East Street in Amherst on a 31.5 acre parcel.

A residential neighborhood abuts the school property to the North and West. To eastern portion of the site is wooded and borders the Fort River. The Amethyst Brook Conservation Area abuts the school property to the south.

Fort River is one of three (3) elementary schools in the district with an enrollment of 351 students during the 2020-21 academic year.

Originally constructed in 1973, the building is the same single-story structure as when the school first opened with no additions or significant upgrades or renovations.

Legal Title

The Town of Amherst has legal title to the school property. For reference, the deed is attached to this section.

Historical Signficance

The MACRIS database at the Massachusetts Historical Commission contains an entry for the Fort River Elementary School. The inventory B form describes the historical significance of the the Fort Rvier School as follows:

The town here used the same plan for the Wildwood School on Strong Street. It was originally designed for teacher open classrooms, although it is now being used for smaller groupings. The school is also a precint voting place and is used for scouts as well as other groups.

A complete ENF and associated filings will be submitted if necessary.

SITE

The existing school is located directly off of South E Street within a residential area. The building is bound by a neighborhood to the North and West with Bayberry Land Conservation around the South East. Fort River runs along the eastern and southern property lines and there are wetland areas within the property. The overall site's topography is relatively flat, but the western edges exhibit some grade changes near the North E Street connection.

Primary Issues

- There is a lack of handicap curb cut ramps and walkways that exceed 5% in multiple areas.
- 5 handicap parking spaces are not grade compliant with slopes over the maximum.
- Non-accessible playground surfaces, and uneven pavement surfaces have created multiple ADA and MAAB code compliancy issues.
- At the vehicular entrance off of South E Street, vehicular pavement, curbing, and pedestrian sidewalks are in poor condition.
- The south parking lot with bus drop-off pavement is in poor condition.
- There is a lack of proper bus drop-off.
- There is a lack of distinction at loading and service areas.

Site Access & Pavements — Vehicular

The vehicular circulation for the school is a dual access one-way loop entering through the south entrance off of South E St. continuing to the North onto South E St.

There are approximately 180 parking spaces with 153 available for use due to the bus drop-off occupying spaces in the south parking lot.

The queuing from morning and afternoon drop-off and pick-up begins at the southern South E Street entrance and continues to the southern parking lot south of the building for buses. The drop-off is located in a parking lot that services the adjacent park southwest of the school. Parking resides in the center of the bus drop-off route. The area is separated by steel movable pedestrian barricades and orange cones.

Service and loading areas are located on the southern edge of the building within the bus route. There is no fencing or barricades surround these areas.

Vehicular pavement and curbing throughout the site are in fair to poor condition. The bituminous concrete pavement is in varying stages of failure. The curbing is a mixture of vertical granite curbing, sloped granite curbing and bituminous concrete Cape Cod berm. The condition of the curbing varies around the site. The curbing at the entrance and exit of the site appears to be in fair condition. Curbing within parking areas and adjacent to the building is in poor condition.

Site Access & Pavements — Pedestrian

Pedestrian access is well accommodated with a variety of public sidewalks that connects the school to the surrounding neighborhood. These connections include:

- South E Street on the south,
- South E Street on the north,
- Main Street/ Pelham Road on the northeast

There are accessibility issues, which range from tree root heaved sidewalks, weathered sidewalks, and limited handicap curb cut ramps.

Egresses from all classroom doors appear to be ADA accessible. New egresses from gym doors are not ADA compliant with concrete stepping down to existing asphalt around it.

The pedestrian pavement consists primarily of bituminous concrete and is in fair to poor condition. Areas of pavement west of the school entrance along the drop-off and south of the building in the bus drop-off location are in poor condition.

At the main entrance of the building pavers line the entry on both the left and right side with poured concrete in the center. Most pavers are in good condition with a few around the fire hydrant depressed or raised causing a tripping hazard.

The vertical curbing along the entrances of the building is chipped, warped or has fallen, creating a tripping and safety hazard.

There are unprotected edges at the service and loading areas. This is a safety concern for users accessing the building. One area of concern is the metal chain-link fence with a padlock linked to it that barricades utilities close to a playground.

Recreation Areas

The existing school playground consists of an un-programmed asphalt area southeast of the building which feeds into play structures surrounded by wood play chips. This area is non-ADA compliant. Towards the east of the asphalt area, there is another smaller play structure and a four-swing swing set. Directly behind these play areas are multiple multi-sport fields including soccer, baseball, and softball. All fields are in poor condition due to the turf having improper drainage, grading, and maintenance. Both the baseball and softball field include backstops, which are in poor condition. Bleachers are provided within the baseball field but are unusable due to plants growing within them.

Towards the northeast corner of the building there is another play structure including a climbing wall and a set of four swings. All play structure areas located within a wood chip area should be ungraded to meet ADA accessibility requirements. Towards the north, there is a long span of asphalt in good condition, which provides two full basketball courts, four half courts, and four 4-squares.

The wood play surfacing has settled and is a tripping hazard. The playground structures are in relatively good condition. It does not appear that the current structures accommodate any accessible play. There are several benches distributed around the playgrounds.

On the northeast corner of the site, there is a communal garden for the students. This area has both raised and in-ground planting beds with some small seating areas around. Behind the communal garden is an outdoor classroom that is in poor condition. Seating areas are on top of concrete pavers and are not accessible.

Connecting the asphalt basketball courts through and past the communal garden is a bike / walking trail which connects towards Main St. / Pelham Rd. The path appears to be in good condition. There is a lack of lighting in this area.

Landscape

There is a mature tree buffer around the school, parking areas and athletic fields. The school property includes a tree buffer to the east of roughly 300 feet extending to Fort River. This area is primarily wooded wetlands. The tree buffer to the north, south and west includes trees on the school property and on adjacent properties which provides adequate screening of the school property to the community.

There are mature trees along the south entrance drive which are in good condition. Trees between the drop-off and the building and on the east side of the building are in fair condition.

There are limited shrub plantings on the property.

The lawn areas are in fair to poor condition.

Miscellaneous Amenities

Near the northwest corner of the site, there is a bike rack that is in poor condition.

Site lighting consists of multiple brands of pole mounted box fixtures in varying conditions and mounting heights. Most are oriented towards the roadway or fields and appear to provide adequate lighting for vehicular and pedestrian safety. Additionally, the southern softball field is lighted by 5 stadium fixtures. All appear to be in fair condition, but it is unclear if all are functional.

There are multiple memorial areas that should be documented and coordinated with future development. There are seven engraved granite benches along the west edges of the building. This area also includes a peace pole and Peter's rock engraving. All benches appear to be in good condition but need to be reset.

GEOTECHNICAL EVALUATIONS

The existing Fort River School Site is located off South East Street in Amherst, Massachusetts. The Site is located in a low-lying area just to the east of the central portion of Amherst. It is bounded to the north and west by residential properties and to the south by commercial properties. The property is bordered to the east by the Fort River and its associated wetlands. An unnamed tributary of the Fort River is located just to the south of the Site.

The existing school building is located in the northwest portion of the Site. It consists of a singlestory, brick, slab on grade building. Sports fields and playgrounds are located to the east and south of the school building. In addition, paved areas are present immediately to the north, south, and west of the existing building.

Topography at the Site is generally flat, near elevation 175 feet. However, the ground surface slopes upward to approximate elevation 180 feet in the northern and western portions of the Site, and slopes downward to elevation 170 feet to the east and the south.

Based upon Site topography and the location of the existing school building, it appears that a new school building will need to be located within the ball fields to the south or east of the existing school.

Subsurface investigations performed to date at this Site consist of five soil borings performed in 2019 by OTO during a preliminary study for the town of Amherst, and four backhoe test pits by OTO during December 2021. We also reviewed the logs of soil borings performed in approximately 1971 for the design of the existing school and obtained information from published geologic maps and information in OTO files of nearby Sites. These information sources were used to develop this discussion of Site soil and groundwater conditions.

Geologic Setting

Based upon published geologic information[1], subsurface soil conditions at the Site consist of recent fill or alluvial deposits underlain by fine-grained, stratified post-glacial lake deposits of fine sand, silt and clay (also known as varved silt and clay). The varved clay deposit consists of fine grained, post-glacial, lake sediments that were deposited within ancestral Lake Hitchcock (which filled much of the Connecticut River Valley from the retreat of the last continental glacier until approximately 14,000 years ago). These fine-grained soils are characterized by alternating layers (or varves) of silt, sand and clay. Published geologic maps[2] indicate that the lake bottom deposits at the Site are less than 50 feet thick.

Description of Subsurface Conditions

Subsurface Soil Deposits

Two of the preliminary borings FR-3 and FR-5 are located to the south of the existing school, where a new school would most likely be located. Native granular soils were encountered in each of the borings to a depth of between 8 and 10 feet below ground surface. The native soils generally consisted of a loose to dense fine sand containing little to some silt and varying amounts of gravel and medium to coarse sand, or a medium dense, fine to medium sand containing trace amounts of coarse sand and silt. The two borings to the south of the existing building terminated within the varved clay at a depth of 27 feet below ground surface, corresponding to and approximate elevation of 147 feet. However, one of the other Site borings fully penetrated the varved silt and clay at a depth of 30 feet below ground surface, corresponding to an approximate elevation of 144 feet. At that location the varved silt and clay was underlain by a loose to medium dense, fine to medium sand containing little to some silt and varying amounts of coarse sand and fine gravel. Therefore, the existing Site information to date supports the published geologic information.

1 "Surficial Geologic Map of Shutesbury Quadrangle, Massachusetts", USGS, Janet R. Stone and Mary L. DiGiacomo-Cohen, 2010.

2 Langer, W.H. (1979). "Map Showing Distribution and Thickness of the Principal Fine-Grained Deposits, Connecticut Valley Urban Area, Central New England", Miscellaneous Investigations Series, USGS Map No. 1-1074-C, Sheet 1 of 2.

Groundwater Conditions

In general, the groundwater table is relatively shallow at the Site. Groundwater seeps were observed entering the test pits between a depth 8 and 32-inches below existing ground surface. The Estimated Seasonal High Groundwater Table (ESHGWT) was determined based upon observations made in the test pits. In each of the test pits, redoximorphic features were observed within the native soils at a depth of between 12 and 48 inches below ground surface.

Significant Geotechnical Issues

The significant geotechnical issues identified in our preliminary study include the following: foundation bearing capacity; settlement and groundwater control considerations; seismic design considerations; and pavement design. These items are discussed below.

Discussion of Geotechnical Issues

The most significant geotechnical issues identified during our preliminary geotechnical studies to date are provided below. We note that additional explorations will be needed when the final building design is known.

- The depth to groundwater is variable and within five feet of the ground surface at some locations. We anticipate that the ground surface at the Site will need to be raised to minimize impacts due to high groundwater. We understand that moisture and mold are a concern in the existing building.
- In addition to the shallow groundwater table, the natural soils at the Site are fine-grained, consisting of a mixture of fine sand, silt and clay. Field testing indicates a hydraulic conductivity value (infiltration rate) for the native Site soils of less than 0.1 feet per day. Based on these factors Site conditions are not favorable for stormwater infiltration.
- The upper granular soil layer varied in thickness, composition, and density. Furthermore, the Site is underlain by a soft, varved silt and clay layer, which is compressible under moderate building loads. Therefore, the building could settle due to the compression of the soft varved silt and clay under building and fill loads.
- Differential settlement is of particular concern, because of the composition, depth to, and variable thickness of the varved clay. This concern could be magnified if the amount of fill varies or if the proposed building contains sections that vary in height (and weight).

SEWER & WATER

Soils

The Natural Resources Conservation Service (NRCS) Web Soil Survey indicates nine types of soils at this site. The primary soil type of soil onsite is Amoston-Windsor silty substratum-Urban land complex, with 0 to 3 percent slopes. These can be found generally to the west of the existing school building. The types of soil onsite area as follows:

- Amoston-Windsor silty substratum-Urban land complex, 0 to 3 percent slopes: This nearly level, moderately well drained soil is on terraces, outwash plains, and deltas. Saturated hydraulic conductivity can range from moderately low to high. The hydrologic soil group (HSG) for this soil is classified as "B". This soil is found along the south side of the site primarily underneath the school, south parking lot, and open space south of the school.
- Pootatuck fine sandy loam, 0 to 3 percent slopes, occasionally flooded: This relatively flat occasionally flooded soil is found in floodplains. Saturated hydraulic conductivity typically is moderately well drained. The soil is classified as HSG "B". This soil is found along the east side of the site primarily in the wooded area of the site near Fort River.
- Rippowam fine sandy loam, 0 to 3 percent slopes, frequently flooded: This relatively flat occasionally flooded soil is found in alluvial flats. Saturated hydraulic conductivity can range from moderately high to high. The soil is classified as HSG "A/D". This soil is found along the east side of the site primarily in the wooded area of the site near Fort River.
- Limerick silt loam, 0 to 3 percent slopes, frequently flooded: This relatively flat occasionally flooded soil is found in alluvial flats. Saturated hydraulic conductivity can range from moderately high to high. The soil is classified as HSG "B/D". This soil is found along the south side of the school in the center of the site.
- Scitico silt loam, 0 to 3 percent slopes: This relatively flat poorly draining soil is typically found in depressions. Saturated hydraulic conductivity can range from very low to moderately low. The soil is classified as HSG "D". This soil is found along the south side of the school in the center of the site.
- Raynham silt loam, 0 to 3 percent slopes: This sloped, well-drained soil is typically found on ridges, ground moraines, and hills. Saturated hydraulic conductivity can range from moderately low to moderately high. The soil is classified as HSG "C/D". This soil is found along the east side of the school in the north and center of the site.
- Winooski silt loam, 0 to 3 percent slopes, occasionally flooded: This relatively flat, moderately well drained soil is found in floodplains Saturated hydraulic conductivity can range from moderately high to high. The soil is classified as HSG "B". This soil is found along the east side of the site primarily in the wooded area of the site near Fort River.
- Belgrade silt loam, 0 to 3 percent slopes: This relatively flat, moderately well drained soil is found in terraces. Saturated hydraulic conductivity can range from moderately low to high. The soil is classified as HSG "C". This soil is found along the southern side of the site near the center.
- Agawam fine sandy loam, 0 to 3 percent slopes: This relatively flat well drained soil is found in moraines, kames, kame terraces, outwash plains, outwash terraces. Saturated hydraulic conductivity can range from moderately low to high. The soil is classified as HSG "B". This soil is found along the east side of the site primarily in the open athletic field area adjacent to the school.

A preliminary geotechnical study was conducted for this site by O'Reilly, Talbot & Okun Engineering Associates, dated January 31, 2019. The borings show varying groundwater across the site between one and seven feet below the ground surface, corresponding approximately to elevations between 167.5 and 174 feet. Surface infiltration will be challenging based on the groundwater table height onsite. One geotechnical concern noted for the proposed building would be mold and damp as this is an issue with the existing building.

Wetlands & Floodplains

According to MassGIS, there are wetland resource areas subject to the Massachusetts Wetlands Protection Act on site. These areas are near the Fort River.

A portion of this site is categorized by the Federal Emergency Management Agency (FEMA) as floodplain. This hazard area is on both sides of the Fort River. The extent of the floodplain is delineated on map panel numbers 2501560351D and 2501560188D. The floodplain is classified as a Zone AE on the eastern portion of the site. (Source: FEMA National Flood Hazard Layer FIRMette). Adjacent base flood elevations range from el. 170.6 to el. 172.2 based on cross sections.

There are also multiple areas where the 50-foot and 100-foot wetland buffer boundaries as well as the 100-year floodplain and 200-foot Riverfront area are delineated along the southern and eastern portions of the site.

Zone II Aquifers and Regulated Water Supplies

There are no water supply aquifers (Zone IIs) or surface water supplies that are on or near the subject site.

Wildlife Habitat

Rare species and their habitats are protected by the Massachusetts Endangered Species Act (MESA) and the Massachusetts Wetlands Protection Act. A project which alters Priority or Estimated Habitat must be reviewed by the Natural Heritage and Endangered Species Program (NHESP) for compliance with MESA.

Priority and estimated habitats along with certified and potential vernal pools have been delineated and published by NHESP in the 15th Edition 2021 Massachusetts Natural Heritage Atlas, the most current version. The NHESP data layer is available for review on MassGIS. The Natural Heritage data layers are used to screen projects and activities that may impact state listed rare species and their habitat.

Based on a review of the MassGIS online mapping Natural Heritage Data Layer, the site has an area designated as Estimated Habitat or Priority Habitat of Rare Wetlands Wildlife and Priority Habitat Area. There are no certified vernal pools or potential vernal pools on or near this site. The Priority Habitat is located along the Fort River outside of the manicured grassed area. The species that are locate within this habitat that are state-listed rare species include the Wood Turtle (Glyptemys insculpta) and the Creeper (mussel; Strophitus undulatus). These were both listed as species of special concern.

Trees

There are several large trees throughout the site in close proximity to the existing parking lot and existing school. An adjacent tree line runs along the north, east, and southern portions of the property.

Infrastructure

A Plan of Land located in Amherst, Massachusetts, prepared by the Berkshire Design Group, Inc., dated February 14, 2019, notes that the utilities provided were based on surface features as located by the surveyor and available record data. The capacity of the services from South East Street to serve a larger elementary school building needs to be verified.

Stormwater Management

There are several catch basins and drainage structures with pipes routing throughout the site. These structures surround the school primarily in paved areas. The outlet to the drainage onsite flows to two (2) 44-inch x 27-inch arch pipes that route along the western portion of the site carrying a segment of the Fort River. This culverted system runs from the north end of the site starting at a wetland resource area and runs south daylighting at a second wetland resource area just before the property line.

Water Supply System

There is an 8-inch water main that routes from South East Street down the driveway and feeds ancillary services for the existing school (Hydrants, etc.). The 8-inch water line connects to a 12-inch water main located along the west side of South East Street. The adequacy of the water system with respect to pressure should be verified by a hydrant flow test.

Sanitary Sewer

There is an 8-inch sewer main onsite that connects to the western face of the existing school. This gravity sewer line drains to a pump station onsite that discharges via a 6-inch force main toward South East Street. The 8-inch sewer main material onsite appears to be vitrified clay as noted on the Plan of Land, prepared by the Berkshire Design Group, Inc.

Gas Utility

There is a gas utility service connection to the existing school connected to the gas utility in South East Street as noted on the Plan of Land prepared by the Berkshire Design Group, Inc.

TRAFFIC STUDY

A traffic study of the Fort River Elementary School site and the Wildwood Elementary School site dated February 22, 2022 by Pare Corporation is attached at the end of this Section.

STRUCTURAL REVIEW

Introduction

Foley Buhl Roberts & Associates, Inc. (FBRA) is collaborating with *DiNisco Design, Inc. (DDI)* and their consultants in the review and evaluation of structural issues/conditions at the Fort River Elementary School in Amherst, Massachusetts. The purpose of this report is to identify and describe the structural systems of the building and to comment on the structural issues/conditions observed. General comments relating to potential renovations, alterations, and additions to the school (governed by the Existing Building Code of Massachusetts (EBCM - 9th Edition)) are presented as well.

Structural conditions at the Fort River Elementary School were reviewed at the site by FBRA on December 30, 2021. Members of the Design Team were given a tour of the building by Mr. Rupert Roy-Clark, the Director of Facilities.

The following documents were reviewed in the preparation of this Existing Conditions Structural Report:

Electrical Utility

There appears to be electrical conduits underground routing from South East Street along the western portion of the site that connect to the southwestern side of the existing school. Exterior parking lot lighting and field lighting are located at the western and southern ends of the site.

Telephone / Fire Alarm Communications

Telephone and fire alarm conduits are fed from a utility pole from South East Street to the existing school. An underground communications line runs from the street and connects to the school.

Elementary School – Amherst, Massachusetts: Foundation Drawings CD-8, CD-9 and CD-10, Roof Framing Drawings S-1 and S-2, and various Architectural Drawings, all prepared by Alderman & MacNeish Architects and Engineers, West Springfield, Massachusetts; dated December 27, 1971.

Fort River Elementary School – Existing Structural Systems Review: Report prepared by Lim Consultants, Inc., Malden, Massachusetts; dated September 17, 2019.

Preliminary Geotechnical Engineering Recommendations – Fort River Elementary School: Report prepared by O'Reilly, Talbot & Okun Engineering Associates, Springfield, Massachusetts; dated January 31, 2019.

No exploratory demolition, ceiling tile removal or structural materials testing was conducted in conjunction with this study**;** accordingly, observations are based solely on the documents referenced above and on a limited visual survey of those areas of the building which were accessible and exposed to view.

General Description

The Fort River Elementary School is located at 70 South East Street in Amherst, MA. The one-story building was constructed in 1973 on a relatively level site. The total floor area is approximately 82,000 gross square feet. The building is steel framed (open web steel joists supported by steel beams), with a conventional, shallow spread footing foundation. The first floor is a soil-supported concrete slab on grade. Exterior walls are 4" brick veneer, with an 8" CMU backup wall. There are precast concrete elements at the head and sill of certain windows around the building.

The Fort River Elementary School is rectangular in plan. The main entrance is on the west side of the building and leads to a central, east-west main corridor. Secondary, north-south corridor loops branch off on either side of the main corridor. Programmed spaces include classrooms (subdivided from the original, large/open classrooms), offices (center of the building), a library/media center (north center), music and art classrooms (south side), cafeteria spaces (south side), a gymnasium (north side), a sunken boiler room (southeast corner) and various support spaces. There are two open courtyards on the south side and six smaller courtyards located off the northern corridor loop connecting the original six large/open classroom spaces. A mechanical mezzanine is present along the south side of the gym (accessed by a ladder). Interior partitions and the original classroom demising walls are typically CMU construction (unreinforced). The original open/large classrooms have been subdivided in various ways by the addition of metal partitions.

Except for the subdivision of the original large/open classrooms, no major renovations, alterations, or additions to the building have been conducted since the original construction.

The building was designed and constructed prior to the introduction of the Massachusetts State Building Code. The governing document at the time of construction was the *Massachusetts Structural Regulations for School Houses.*

Structural Systems Description

Structural Materials: Per the available existing drawings, concrete for footings, foundation walls and slabs is 3,000 psi strength at 28 days. Reinforcing steel properties are unknown; however, reinforcing is assumed to be deformed bars with a 40 ksi yield strength. Structural steel is ASTM A36, with a 36 ksi yield strength.

Subsurface Soils/Foundations: Per the referenced Geotechnical Report, soil borings indicate that the soil profile consists of a one foot thick layer of granular fill below the topsoil layer. Native granular soils were encountered at a depth between 5 and 11 feet below ground surface. This material is underlain by a layer of soft, varved silt and clay. Groundwater was encountered at depths ranging from one to seven feet below the ground surface. Footings of the original building were proportioned on the basis of a 2,500 psf (1¼ tsf) allowable bearing pressure on undisturbed natural soils. There are no basement areas; however, the floor of the boiler room at the southeast corner of the building is located approximately 3'-6" below the first floor level. Foundation walls surrounding the boiler room have been waterproofed.

The site is classified as Site Class E and is not considered to be subject to liquefaction. Foundations for any proposed addition would be designed for a 4,000 psf (2 tsf) allowable bearing capacity on improved soils (e.g., rammed aggregate piers). Additional (future) borings may provide sufficient data to reclassify the site to Site Class D. Ground improvement may also densify the soil to the extent that a reclassification of the site to Site Class D would be possible. If the site were to be reclassified, the seismic design forces for any planned addition(s) would be reduced by approximately 30%.

Structural Bays/Spans: The structural bay size varies throughout. Typical, north-south joist spans over the original large/open classrooms are 33 feet. Supporting girder spans in these areas are 24 to 26 feet. Steel joists over the gym clear span nearly 55 feet in the north-south direction.

Design Live Loads: The Structural Drawings indicate that the roof structure was designed for a 30 psf snow load and a 55 psf total load (dead load plus snow load). Note that the current edition of the Massachusetts State Building Code (780 CMR - 9th Edition) requires a minimum flat (or low-slope) roof design snow load of 35 psf. It does not appear that snow drift loading was accounted for in the original design. The mechanical mezzanine floor in the gym was designed for a 100 psf live load. Representative structural calculations generally confirm the design loads noted on the Structural Drawings. A comprehensive structural evaluation of the entire building is beyond the scope of this report.

Expansion Joints: There is one, north-south expansion joint in the roof structure. The joint does not appear to be properly detailed and does not extend through the finishes (walls and ceilings) below.

Roof Construction: Typical roof construction consists of a 1½" deep metal roof deck spanning 4+/- feet to open web steel bar joists. Steel joists are supported by wide flange steel beams, which span to 4" HSS (tube/pipe) steel columns. Roof construction over the gym consists of a 3" deep cellular acoustic deck spanning 5+/- fee to longspan open web steel joists. Steel joists are supported by wide flange steel beams and HSS columns. Roof framing over the original music room (exposed to view) is similar, with 1½" deep cellular acoustic deck supported by open web steel bar joists. Roof profiles vary throughout; typical roof areas are either (low-slope) sawtooth or mono-pitch configurations.

Mechanical Mezzanine Floor Construction: Mezzanine floor construction consists of a 6" thick, one-way reinforced concrete slab, spanning 13'-4" (maximum) to concrete encased, wide flange steel beams. Steel beams are supported by wide flange steel columns.

First Floor Construction: Typical first floor construction is a 4" thick, soil-supported concrete slab on grade, reinforced with welded wire fabric. A 6" thick concrete slab on grade was constructed in the boiler room. The slab thickens to 12" below interior CMU partitions.

Wall Construction: Typical exterior wall construction consists of a 4" brick veneer (no cavity), with an 8" thick, unreinforced masonry block backup wall. The veneer is anchored to the backup wall with intermittent soldier bricks placed in every 6th course. Precast accent panels have been installed at the head and sill of a number of windows around the building. Vertical control joints in the brick veneer were observed at regular intervals. Weep holes at the base of the brick veneer, have reportedly been sealed; further review is recommended.

Foundations: As noted above, foundations are conventional spread footings. Typical, reinforced concrete perimeter foundation walls are 12" thick, with a 20" wide by 12" deep continuous strip footing. Interior and perimeter columns are supported on individual spread footings of various sizes.

Fire Resistance: The building is classified as Type IIB construction; the unprotected steel roof framing has no fire resistance rating. There are no sprinklers in the building. The footprint of the building may exceed the maximum allowable area allowed by the current building code for this type of construction; refer to the code report for additional information.

Lateral Load Resistance: As the building was designed and constructed prior to the introduction of the Massachusetts State Building Code (MBC), the structure does not meet current wind and seismic load requirements (strength and detailing). There is no clearly defined lateral force resisting system in either direction; however, the perimeter and interior unreinforced masonry walls provide a level lateral force resistance (by default). Only those walls which are built on column lines and extend to the steel columns would participate in lateral force resistance; walls which do not fall on column lines would not contribute, as there is no apparent anchorage to the roof diaphragm.

Structural Condition/Comments

Structural Conditions at the Fort River Elementary School were reviewed (where accessible and exposed) on December 30, 2021. Generally speaking, floor and roof construction appear to be performing satisfactorily; there is no evidence of structural distress that would indicate significantly overstressed, deteriorated or failed structural members.

Foundations appear to be performing adequately; there are no apparent signs of significant, total or differential settlements.

Structural/structurally related conditions observed during the December 30, 2021 site visit and associated comments are noted below. All items would be addressed in conjunction with a future renovation of the building, unless noted otherwise.

1. Building Exterior:
    - Masonry veneer is generally in satisfactory condition, with limited cracking or deterioration of the face brick observed. Repointing of approximately 10% of exterior brick veneer is recommended.
    - Precast head and sill elements at windows generally appear to be in satisfactory condition.
    - The brick masonry chimney on the south side of the building shows signs of efflorescence and deterioration in limited areas; particularly at the top. Masonry repair/reconstruction is recommended. Note that this cantilevered element would need to be braced or rebuilt in a *Level 3 Alteration.*
    - Loose lintels over window/door openings and above unit ventilators have rusted in some locations; cleaning and coating with zinc-rich paint or replacement (if necessary) is recommended. Note that the unit ventilators are located close to the exterior grade and require maintenance during the winter months.
    - Deterioration at the top of foundation walls was observed at certain building corners. Elsewhere, vertical shrinkage cracks in foundation walls were noted (limited areas). These conditions do not represent a structural concern (freeze-thaw action and thermal/shrinkage movement related); however, they should be repaired in conjunction with a future renovation of the building.
    - Exterior concrete elements (pavement, steps, curbing, etc.) have deteriorated in some locations (de-icing salts and freeze-thaw action). Repair/replacement of these elements should be undertaken, as these conditions may present a tripping hazard.
2. Roofing: The roof was not accessed during our visit. The current roof was reportedly replaced in 1993 and is at the end of its useful life. Evidence of roof leaks (either past or present) was observed in some locations.
3. Snow Loads: The snow load capacity of the roof was not evaluated. However, as noted earlier in this report, the 30 psf design snow load does not meet current code requirements. As the design of the building preceded the introduction of the Massachusetts State Building Code, it is unlikely that provisions were made in the structural design for snow drift loading. The current code requires a minimum, flat (or low slope) roof design snow load of 35 psf for a school building in Amherst. Drifting snow loads on lower roofs can be significantly higher. FBRA recommends that these conditions be evaluated in conjunction with a future renovation of the school (such an evaluation is beyond the scope of this report). In the interim, these conditions should be monitored during periods of heavy snow.
4. Lateral Force Resistance/Seismic Hazards: As previously noted in this report, there is no clearly defined lateral force resisting system (LFRS) in the building. Unreinforced, interior and exterior masonry walls provide a degree of lateral force resistance (by default). The building does not meet current seismic code requirements. Lateral force resistance issues and seismic hazards would need to be evaluated and addressed in conjunction with a future renovation of the school. Refer to additional comments in the next section of this report.

5. Ponding: An evaluation of potential rainwater ponding on the various roof areas should be conducted, in conjunction with a future renovation of the school (such an evaluation is beyond the scope of this report). In the interim, roof drains should be periodically inspected and maintained to ensure that they are clear and functioning properly.
6. Masonry Walls: Interior CMU partitions and perimeter CMU backup walls are generally in satisfactory condition. Vertical cracks were observed in the demising walls of the original large/open classrooms. These cracks are not considered to be structurally significant; however, they should be repaired in conjunction with a future renovation of the building. The anchorage/bracing of all interior and exterior masonry walls as well as their height-to-thickness ratios will need to be evaluated (per code) if the building is renovated in the future.
7. There is no evidence of significant water infiltration issues in the boiler room or elsewhere; reportedly, there are no groundwater issues in the building.
8. Floor tiles have moved and/or deteriorated in some locations. Reportedly, floor tiles have been replaced in the past by Town personnel, potentially accounting for some of the conditions observed. Elsewhere, it appears that some of the conditions observed may be due to moisture issues (particularly in view of the relatively high water table). Further review and evaluation would be recommended, prior to installing new flooring.

Refer to the documents prepared by the Architect and the other disciplines for additional comments and recommendations relating to the building envelope and MEP/FP systems in the building.

Renovations and Additions - Code Requirements

General comments relating to potential renovations, alterations, and additions to the Fort River Elementary School are presented in this section. Renovations, alterations, repairs, and additions to existing buildings in Massachusetts are governed by the provisions of the Massachusetts State Building Code (MSBC; 780 CMR - 9th Edition) and the Existing Building Code of Massachusetts (EBCM; 780 CMR - 9th Edition, Chapter 34.00). These documents are based on amended versions of the 2015 *International Building Code (IBC)* and the 2015 *International Existing Building Code (IEBC)*, respectively.

Code Compliance Methods

Section 104.2.2.1 of the EBCM requires that the existing building be investigated and evaluated in sufficient detail as to ascertain the effects of the proposed work on the structural systems (both gravity load carrying elements and lateral force (wind and seismic) resisting elements).

The EBCM defines three (3) compliance methods for the repair, alteration, change of occupancy, addition, or relocation of an existing building. The method of compliance is chosen by the Design Team (based on the project scope and cost considerations) and cannot be combined with other methods.

The *Prescriptive Compliance Method* (IEBC Chapter 4) prescribes specific minimum requirements for construction related to additions, alterations, repairs, fire escapes, glass replacement, change of occupancy, historic buildings, moved buildings and accessibility. If the impact of the proposed alterations and additions to structural elements carrying gravity loads and lateral loads is minimal (less than 5% and 10% respectively), structural/seismic reinforcing of an existing building are not required. Provided that not more than 50% of the spaces in the building are reconfigured, seismic hazards such as bracing the tops of interior masonry walls and partitions, anchorage of floor and roof diaphragms to the exterior walls, bracing of parapets and chimneys, etc. would not be required by code, but could be addressed on a voluntary basis. If the area of reconfigured spaces exceeds 50% of the gross floor area, these seismic hazards must be addressed by code. ***Note that, in determining the area of reconfigured spaces, the new floor layout would need to be compared to the original (not the current) floor layout (typical for all compliance methods).***

The more widely chosen (and appropriate for this project) *Work Area Compliance Method* (IEBC Chapters 5 through 13) is based on a proportional approach to compliance, where upgrades to an existing building are triggered by the type and extent of work. The Work Area Compliance Method includes requirements for three levels of alterations,

in addition to requirements for repairs, changes in occupancy, additions, historic buildings or moved buildings. A complete seismic evaluation of the existing building is required under the following conditions: Level 2 alterations where the demand (mass/seismic force) to capacity (lateral force resistance) ratio of lateral load resisting elements has been increased by more than 10%, all Level 3 alterations, a change in occupancy to a higher category (not applicable to this project) and where structurally attached additions (vertical or horizontal) are planned (any major addition(s) to the building will be structurally separated, so this is not applicable). Provided that not more than 50% of the spaces in the building are reconfigured (since the original construction), renovations would be classified as *Level 2*. Assuming that modifications to the existing masonry walls providing lateral force resistance and concrete frames will not be significant (i.e., less than 10%), seismic upgrades or seismic strengthening of the building would not be required by code. However, addressing certain seismic hazards by bracing the tops of interior masonry walls and partitions, anchoring floor and roof diaphragms to the exterior masonry walls, bracing of chimneys, etc. could be done on a voluntary basis. In a *Level 3* alteration (more than 50% of the building reconfigured), these seismic hazards must be addressed by code.

The less frequently chosen *Performance Compliance Method* (IEBC Chapter 14) provides for evaluating a building based on fire safety, means of egress and general safety (19 parameters total). This method allows for the evaluation of the existing building to demonstrate that proposed alterations, while not meeting new construction requirements, will maintain existing conditions to at their current levels (at a minimum) or improve conditions, as required. A structural investigation and analysis of the existing building is required to determine the adequacy of the structural systems for the proposed alteration, addition or change of occupancy. A report of the investigation and evaluation, along with proposed compliance alternatives must be submitted to the code official for approval.

Under all compliance methods, an evaluation of the roof diaphragm strength and anchorage of the diaphragm to the perimeter structure is required if the building is re-roofed, the building is in Risk Category IV and the ultimate design wind speed at the site exceeds 150 mph. As the Fort River Elementary School is a Risk Category III building and the ultimate design wind speed is 125 mph, these requirements would not apply.

Additions - General Comments - EBCM

The design and construction of a new addition to the Fort River Elementary School would be conducted in accordance with the Code for new construction. Any planned, major additions should be structurally separated from the existing, adjacent construction by an expansion/seismic joint to avoid an increase in gravity loads or lateral loads to existing structural elements.

Renovations/Alterations - General Comments - EBCM

Where proposed alterations to existing structural elements carrying gravity loads result in a stress increase of over 5%, the affected element will need to be reinforced or replaced (if necessary) to comply with the Code for new construction.

Alterations to existing structural elements that are resisting lateral loads (i.e., full height, masonry walls/partitions that are built on column lines between columns), which result in an increase in the lateral force demand (seismic load) to capacity (seismic resistance) ratio of over 10% should be avoided, if possible. Essentially, this means that removal of masonry walls resisting lateral forces (or creating large openings in these walls) should be avoided; otherwise, seismic strengthening of the building as well as additional seismic upgrades may be triggered.

Repair/reinforcing of conditions that do not meet current code requirements must be evaluated to determine if any danger to the occupants exists. In particular, as the roof was designed for a snow load which is below current code requirements and it does not appear that snow drift has been considered, a structural evaluation of the roof construction would be warranted.

Proposed Structurally Related Renovations, Alterations, and Additions

Generally speaking, and as noted above, alterations to, or removal of existing masonry walls that provide lateral force resistance for the building should be avoided (to the extent possible) so that seismic reinforcing/upgrades are not triggered. Proposed renovations/alterations include the removal and reconfiguration of certain 4" to 8" thick CMU partitions in the central administration area to the south of the library. The new layout will need to be carefully evaluated to ensure that the walls to be removed are not contributing significant lateral force resistance for the building.

The enlargement of the present gym is also under consideration. The north wall of the gym would be removed, and a new wall (with foundations) would be constructed further to the north. This would require a significant reconstruction or replacement of the current gym roof structure and a lateral force evaluation of the building. New, reinforced masonry shear walls (with foundations) would be required along the north and south sides of the expanded gym.

A classroom addition may be proposed, located to the east of the existing building. As previously noted, such an addition would be separated from the existing building by an expansion/seismic joint. Due to the presence of a relatively high water table, dewatering during construction and a system of permanent foundation and underslab drainage would be required. Alternately, the site would need to be raised.

ARCHITECTURAL SYSTEMS

Exterior Walls

The Typical exterior wall assembly used throughout the building is 4" brick veneer on concrete masonry unit backup with precast concrete panels above and below window openings. The original construction drawings call for limited batt insulation at precast concrete panels. The exterior wall assemblies do not meet current energy code requirements for new construction.

The condition of the exterior walls, in general, is fair. Areas of brick veneer show signs of step cracking, but the brick appears generally in good condition from visual inspection.

Roofing

The building has one main roof level with high roofs at the gymnasium and one of the classrooms. In 1997 the original roof systems was replaced with new rigid insulation, a fully adhered single-ply membrane, and painted aluminum flashings, facias, and caps.

Windows

The window systems are original to the building and typically consist of aluminum frames with both fixed lites and operable awning units. Original glazing is single pane glass and the frames are not thermally broken. Many windows have been modified with lexan fastened to the frames. All window systems are in poor condition and do not meet current energy code requirements for new construction.

Exterior Doors

The original exterior doors are hollow metal leafs set in rolled steel frames or integrated into the steel window systems.

Interior Walls

Interior partitions are typically painted concrete masonry or exposed brick masonry. GWB walls have been installed to divide the original open classrooms. Interior walls are generally in good condition, with areas of cosmetic paint damage and isolated areas of step cracking.

Interior Doors

The original flush wood doors in hollow metal frames remain in-place throughout the building. Some interior doors are equipped with vision panels. Knob hardware has been replaced with lever-type hardware at all doors.

Flooring

Finish flooring throughout the building varies and appears original to the building in some instances. Flooring is typically vinyl composition tile (VCT); this includes all Classrooms, Corridors, and the Cafeteria. The Gymnasium surface hardwood flooring with game lines. Quarry tile is installed in the Kitchen. Mechanical and service spaces are exposed concrete.

Ceilings

Finish ceilings throughout the building are 24" x 48" lay-in suspended acoustic tile, except for the Gymnasium, where the painted roof structure is exposed to view. Ceiling heights are typically 8'-6" above the finish floor. The ceiling grid and tiles are in poor condition throughout and are in need of replacement.

Lockers & Cubbies

The building does not contain lockers or cubbies. Student storage is provided in corridors in the form coat hooks above storage separated from the corridor by a curb.

CODE

Introduction

The existing Fort River Elementary School building was built as an educational facility in 1973. The building includes classrooms, a gymnasium, cafeteria, library, and administrative offices.

The following is a chart of codes applicable to the development of the project:

Code Type	Applicable Code (Model Code Basis)
Building	780 CMR: Massachusetts State Building Code, 9th Edition Amended 2015 International Building Code (IBC) Amended 2015 International Existing Building Code (IEBC)
Fire Prevention	527 CMR: Massachusetts Fire Prevention Regulations M.G.L. Chapter 148 Section 26G – Sprinkler Protection
Accessibility	521 CMR: Massachusetts Architectural Access Board Regulations 2010 ADA Standards
Electrical	527 CMR 12.00: Massachusetts Electrical Code Amended 2020 National Electrical Code
Elevators	524 CMR: Massachusetts Elevator Code Amended ASME A17.1-2013/CSA B44-13
Mechanical	2015 International Mechanical Code (IMC)
Plumbing	248 CMR: Massachusetts Plumbing Code
Energy Conservation	2018 International Energy Conservation Code (IECC)

Occupancy Classification

The existing building is considered Use Group E. Assembly spaces (i.e. cafeteria) that are associated with a Use Group E occupancy are also considered Use Group E (IBC 303.1.3). If these spaces are used for non-school events however they must be classified as a Use Group A occupancy.

Construction Type

From visual analysis and review of original construction documents, the building appears to be Type IIB construction (non-combustible, unprotected).

Interior Finishes

The existing finishes generally consist of painted drywall or masonry that complies with the code requirements for new construction (IEBC 803.4). All wall finishes, ceiling finishes, and trim materials installed as part of a future project must comply with IBC Table 803.11.

Means of Egress

The means of egress including the number of exits and egress capacity must be sufficient for the number of occupants on all floors (780 CMR 102.6.4). The first floor has multiple exterior exit doors and the relatively small second floor includes three exit stairs that provide capacity well in excess of the building's occupant load and therefore comply with this requirement.

All of the larger assembly spaces with greater than 50 occupants are provided with two egress doors as required. All of the existing primary egress doors swing in the direction of egress as required. The existing primary egress doors with latches appear to include panic hardware as required.

The building does not contain dead-end corridors.

Energy Code

New work is subject to the International Energy Conservation Code (IECC) or ANSI/ASHRAE/IESNA 90.1 with Massachusetts Amendments (Massachusetts Energy Code). Alterations to existing buildings are permitted without requiring the entire building to comply with the energy requirements of the International Energy Conservation Code (IECC). The alterations (new elements and additions) must conform to the energy requirements of the IECC as they relate to new construction only (IEBC 811.1).

The Massachusetts Stretch Code has been adopted by the Town of Amherst.

Ventilation Requirements

All reconfigured spaces must provide mechanical or natural ventilation in accordance with the International Mechanical Code, except that existing ventilation systems are permitted to remain provided they achieve not less than 5cfm of outdoor air per person and not less than 15 cfm of ventilation air per person (IEBC Section 809).

Architectural Access Board Regulations (MAAB)

The existing building does not fully comply with MAAB regulations.

The building includes multiple toilet rooms, some of which are not accessible at all and others which are semi-accessible but not fully compliant (i.e. lack of clear floor space in accessible toilet stalls, non-compliant grab bars.

Classroom sink areas are not accessible. Signage does not meet current MAAB regulations and does not include raised characters or Braille.

Future alterations to the building must comply with the requirements of the Massachusetts Architectural Access Board Regulations (521 CMR). For existing building alterations, the requirements of 521 CMR are based on the cost of the proposed work.

If the cost of the proposed work is greater than 30% of the full and fair cash value of the existing building, the entire building is required to comply with 521 CMR (521 CMR Section 3.3.2). All portions of the building open to the general public (students, visitors, etc) must be upgraded to comply in full with the current requirements of 521 CMR.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

O'Reilly, Talbot & Okun Engineering Associates prepared a Phase I Environmental Site Assessment Report for the Fort River Elementary School on 21 January 2022. Please refer to the electronic copy of this report for the Phase I Environmental Site Assessment Report.

HAZARDOUS MATERIALS ASSESSMENT SURVEY

As part of the Fort River Elementary School Project – Preliminary Design Program (PDP), O'Reilly, Talbot & Okun Associates, Inc. (OTO) performed a document review and visual survey of:

- The Fort River Elementary School at 70 South East Street;

Documents provided to OTO included:

- "Final Report for Hazardous Materials Identification Study at the Wildwood Elementary School", prepared by Universal Environmental Consultants (UEC), dated October 15, 2015
- Asbestos Hazard Emergency Response Act (AHERA) tabulated data for both schools (March 2020 3-year Re-Inspection reports, Winter 2020 6-Month Periodic Surveillance, and Spring 2021 6-Month Periodic Surveillance), each provided to Amherst by ATC (Atlas) Associates;
- "Evaluation of Existing Conditions" report for Wildwood School, prepared by JCJ Architecture, provided to Amherst in 2015; and
- "Section 5, Evaluation of Existing Conditions", for Fort River School, prepared by TSKP Studio, dated September 17, 2019.

A general walkthrough of accessible areas in each school was also performed on December 30, 2021. Information gathered from the provided reports and visual observations obtained during the walkthroughs are summarized in OTO's report dated January 26, 2022 attached to this section.

HVAC, PLUMBING & FIRE PROTECTION SYSTEMS

School front

L - one of several courtyard / lightwell. R - original single pane glass were retrofitted with plastic panel inside, apparently not tight so the much debris is visible in the air space.

General:

1. Built in 1973 (49 years old).
2. Single story building with 82,000 GSF floor area.
3. Virtually identical to the Wildwood School.

Executive Summary:

1. HVAC System:

a. Two-pipe seasonal switch-over heating/ air conditioning system.

b. Cooling plant comprises of direct expansion (DX) partial air conditioning and gas fired high efficiency hot water boilers.

c. Classrooms have full HVAC based on unit ventilators while corridors are heated by hot water convectors, and the Gym is not air conditioned.

d. Kitchen has untampered makeup air, which results in Kitchen to become frigid cold during winter when the cooking exhaust hood is used.

e. All components, with exception of boilers and pumps, are the original vintage which are well past its useful life.

f. Due to exceptionally high level of maintenance, components are in amazing shape and operable, but despite these heroic efforts, the system is absolutely at end of its life.

g. It is highly unusual for this vintage school to be air conditioned. However, due to its age the original vintage chiller plant has expired so a rental chiller was employed last year, and is planned for next summer.

h. Some parts of pipe insulated appears to have encapsulated ACM (Asbestos Contaminated Material).

i. Entire mechanical system needs to replaced.

j. Under Town's Bylaw, even the relatively new gas-fired boilers cannot be re-used. Only the fossil fuel burning stand-by generator is exempt.

2. Plumbing System:

a. Potable water is fed from the municipal supply but lacks backflow preventor.

b. Sanitary waste system is connected to the municipal system.

c. Domestic hot water is generated by indirect heater, which means boiler has to run year-round.

d. Due to exceptionally high level of maintenance, components are in amazing shape and operable, but despite these heroic efforts, the system is at end of its life and must be replaced.

3. Fire Protection System:

a. This building does not have sprinkler system.

b. Kitchen hood does not have Ansul system.

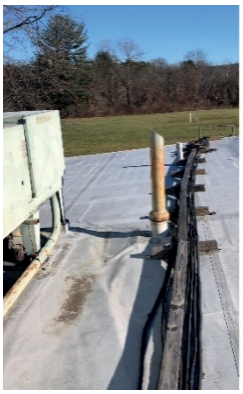
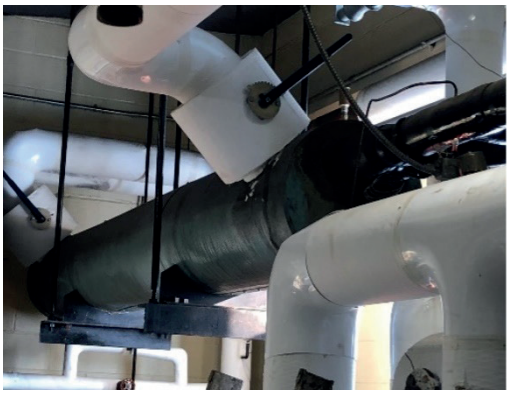
c. Sprinkler and Ansul system must be added.

MECHANICAL

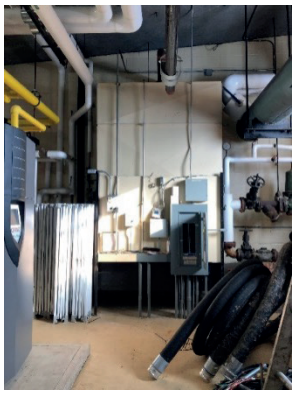
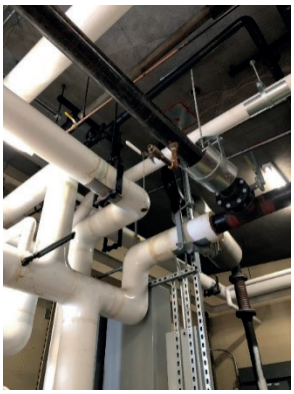
Overall Description:

1. Original vintage 1973 two-pipe seasonal change-over heating/ cooling system.
2. Original Trane unit ventilators in the classrooms.
3. Interior spaces served by original air handling units.
4. Gym is not air conditioned.
5. Cooling plant comprises of expired air-cooled condensing unit on roof, chiller barrel and the pumps in the boiler room.
6. Gas-fired high efficiency condensing hot water boilers, with dedicated flues and combustion air intakes. Existing masonry chimney is no longer used.
7. Natural gas service.

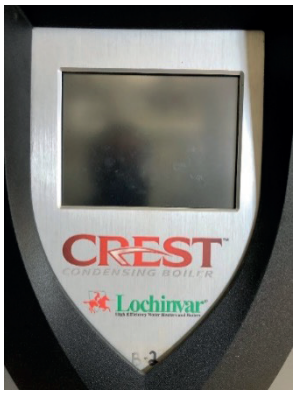
Photo Essay:

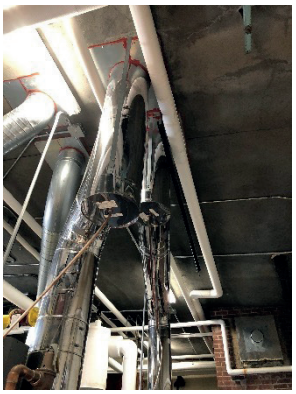




L - original 49 year old air cooled condeisning unit on roof failed last year. C - note temporary electrical power cables on roof which were ran from the chiller to the rental chiller; nameplate was illegible, but thought to be 70-tons, which would be considered severely undersized by today's standard. R - chiller barrel (black above white pipes) inside right below.


L & C - A set of 4" lines are extended to outside for temporary chiller hookup in case of chiller failure. R- boiler combustion air duct, which is no longer needed since the new boilers bring in outside air through individual ducts.



Two Lochinvar Crest high efficiency gas condensing boilers with individual flues and combustion air intakes.

Lochinvar Crest Boiler nameplates serial number H11H00046590 show that they were manufacturered in August 2011 (11 years ago), and model number FBN3000 indicates 3.0 million BTUH input.

Four dual-temperature circulating pumps, appears to have been installed at the same time as the boilers.

Original vintage air cooled condensing units, which amazingly are still operational, though doubtul reliably or with anyway near the full capacity.

Typical original vintage horizontal indoor Trane air handling unit.

Another original vintage indoor AHU, showing rust perforations along the cooling coil section.

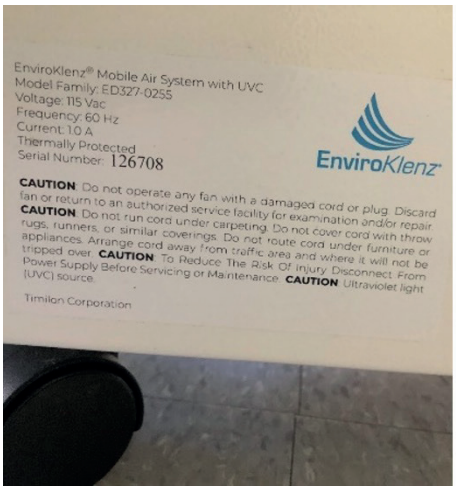
Potentially encapsuated ACM pipe insulation.



Air handling systems in the mechanical mezzanine, accessible from the Gym.

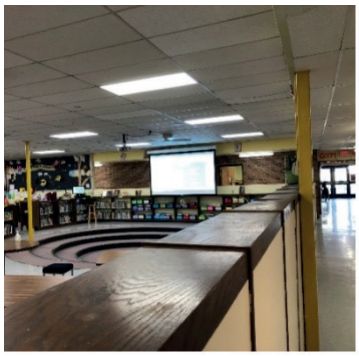

Gymnasium.





L- large portable HEPA filter unit in Gym. C & R- smaller and quieter EnviroKlenz poratble HEPA filter/ UVC lightunits were found throughout the school.





Central Library area is served by an air handling system.



L & C - Classrooms have original vintage Trane unit ventilators. R - unit ventilator fresh air intake louvers are just few inches from the ground level, here shown at pavements but most are above grass areas where they are prone to grass clipping ingestions, resulting in plugged intake screens.



L - bathroom fintube. C - corridor fintube. R - entry vestibule convector.



Original vintage roof exhaust fans.



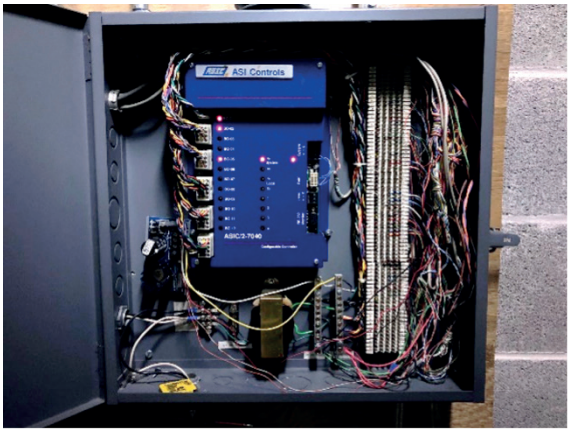
L & C- kitchen cooking line exhaust hood; the filters are Code- compliant panel type, but does not have Code mandated Ansul system. R- make up air is untreated (filtered or heated) through intake louver… understandably during summer it is hot and humid, but during winter the kitchen becomes freezing cold.


L - only means of heat in the kitchen is this hot water unit heater. R - dishwasher, and exhaust ducts up.

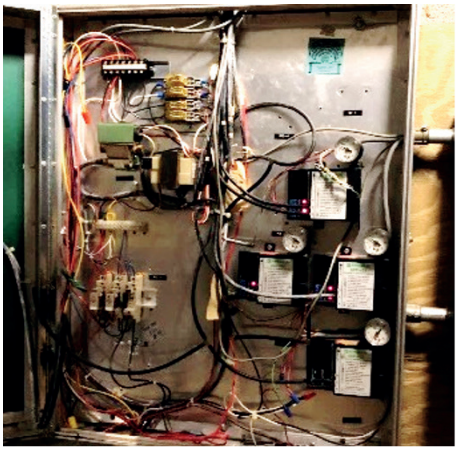


L - pneumatic control air compressor. C - pneumatic air dryer. R - Original pneumatic control panel.

1.



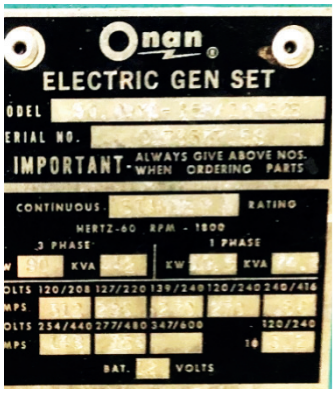
L - DDC controllers, showing that some parts of the controls have been modified. R - original vintage pneumatic thermostats are throughout the school.

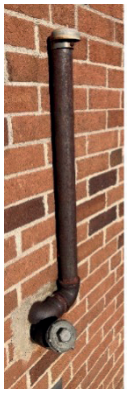



L - at least one of the control panel shows E-P (electronic- pneumatic) transducers, suggesting that DDC conversion, at least part, was made using the original pneumatic actuators. R - AEM DDC control panels.



L - pneumatic control valve, here with ACM insulation sections removed. C - pneumatic control valve, here with ramnants of encapsulated ACM insulation remaining. R - Electronic damper actuator.

L & CL - Small Onan diesel generator. CR & R - fuel oil tank and fill lines.

Remaining Useful Life:

	BOMA Useful	Actual Years	BOMA Remain	
Components	**Years in Life (Yrs.)**			**Comments**
Air handling units	25	49	-24	
Boilers, condensing	20	11	+9	
Cabiinet heaters	20	49	-29	
Convectors, fintube	15	49	-34	
Unit heaters	20	49	-29	
Ductwork	30	49	-19	
Fans	20	49	-29	
Chiller	20	49	-29	
Pumps	25	11	+14	Age estimated
Controls	20	49	-29	DDC is newer
Piping	30	49	-19	
Boiler metal flues	20	11	+9	

PLUMBING

Overall Description:

1. System is original 1973 vintage.
2. Potable water is connected to the municipal system but does not have Code mandated backflow preventor.
3. Sanitary drain system is connected to the municipal system.
4. Fixtures have been repaired/ replaced as they have failed.
5. Indirect domestic hot water heater (boiler has to operate year-round just for this!).

Photo Essay:

L - Water service comprising of water meter and pressure regulator, suggesting that they have more than 80 psig feed. Note that there is no Code mandated backflow preventor. R - indirect domestic hot water heaters.

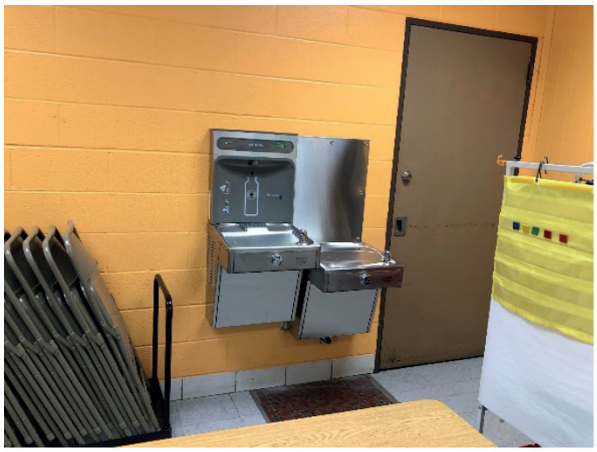
L - roof drain does not have overflow, are connected to internal conductor pipe, and to the under-slab piping to outsdide the building.

Dishwasher Room.

L - Pot sink #1 with disposal. R - Pot sink #2 with grease trap underslab which can be serviced.

Fixtures are in fair shape, but not all bathrooms have accessible fixtures.

Inspection of several sinks showed that pipes were recently replaced.



Accessible water coolers and bottle fillers.

Janitors sink and Can Washer.

Gas service

Remaining Useful Life:

	BOMA Useful	Actual Years	BOMA Remain	
Components	**Years in Life (Yrs.)**			**Comments**
Water heaters, indirect	15	11	+4	Estimated
Fixtures	30	49	-32	Faucets were replaced as needed
Potable water piping	30	49	-32	
Wastewater piping	30	30	-32	
Stormwater piping	30	30	-32	
Gas piping, LP, threaded	11	11	+19	

FIRE PROTECTION

Overall Description:

1. This building has not sprinkler system for the general area.
2. Kitchen hood does not have Ansul system.
3. Both of the above Code requirements must be met.

ELECTRICAL

Existing Conditions Evaluations

The building was constructed in 1970 and the electric service equipment, generator and fire alarm system are the original equipment. The building electrical equipment and systems are over 50 years old and well past their life expectancies. The electrical systems have been maintained by the owner over the years, however they do not properly support current educational needs.

Electrical Service

The incoming underground primary underground electric service emanates from a pole on South East Street. It serves a pad mounted transformer located on school property located adjacent to the switchboard which is located in the janitor's work room. Utility meter is located adjacent to the main switchboard. Pad mounted transformer and primary electric service cables were installed and maintained by Western Mass Electric, now Eversource.

Pad Mounted Transformer

Electrical Distribution

The switchboard is rated at 2000-amperes, 120/208-volts, 3-phase and consists of a main circuit breaker, CT cubicle, and two distribution sections. The switchboard is the original unit and was manufactured by Federal Pacific. The switchboard is located in the first floor janitor work room

The existing switchboard located in the janitor's work room and does not meet current code requirements for working space, egress, and separation from non-trained staff.

Despite being maintained by the owner; the switchboard would be rated in poor condition, due to age and being manufactured by Federal Pacific.

The adjacent softball field and concession stand power emanates from the building's switchboard. Softball field power disconnect switch is located in the boiler room near the generator.

Switchboard

Softball Field Power

During our walk-through of the building, it appeared to us that the Federal Pacific panelboards and associated feeders have not been upgraded or replaced. We did notice that a newer panelboard was installed to serve selected new loads.

Receptacle and lighting panels are located in the corridors between the original open concept classrooms. Panels are recessed mounted into the corridor CMU walls. HVAC panels are located in storage rooms through the building. These panels are surface mounted. There are several panels with a split bus set up

There does not appear to be any spare capacity or breakers in most 208V panels for additional receptacles.

Based on life expectancy and Federal Pacific, the panelboards would be rated to be in poor condition.

Federal Pacific has been out of the switchboard and panelboard business for over thirty-five years. Federal Pacific equipment is notorious for very poor quality and high failure rates. The electric service equipment is past its life expectancy, is in poor condition and needs to be replaced.

HVAC Panel

Corridor Panels

Corridor Panel

Emergency Light and Power System

The building is served by a 90 KW, 120/208V, 3-phase diesel emergency generator manufactured by Onan Cummins. The generator, automatic transfer switch, manual transfer switch, and panelboards are located in the main boiler room and all equipment is original. The diesel tank is a single wall structure located in the boiler room.

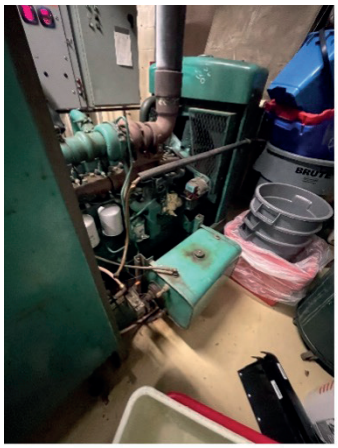
The generator being installed in the same room as the normal electric service panels is a present day code violation. MA Electrical Code Article 700 requires the normal and emergency electrical equipment to be separated from normal power equipment. In addition, the generator location does not allow for code required work space for the generator and wall mounted electrical panels.

The emergency lighting consists of emergency only lighting fixtures. TEC did not observe the emergency lighting levels. Based on past experience, it is doubtful that all areas are properly covered by emergency lighting as required by code.

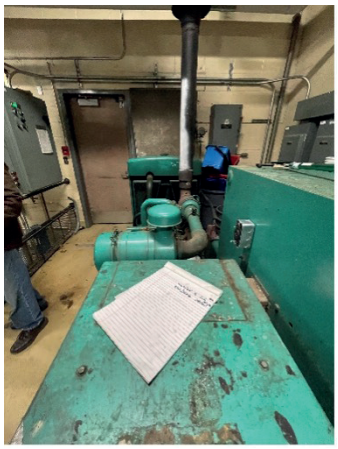
There is a manual transfer switch that serve the boilers, heating hot water pumps, and a sewage ejector.

The generator is not sized to support the systems that are typically connected to emergency power in a present day school – communications, security system, kitchen refrigeration, HVAC systems.

The emergency electric service including generator, and automatic transfer switch are in poor condition. The generator and associated panels are almost 50 years old and well past its life expectancy, do not meet current life safety codes,



Generator



Generator

Emergency Only Fixture (foreground)

Lighting Systems

There are multiple types of lensed lighting fixtures in the building:

- Linear 1'x4' surface mounted fixtures with wrap around lens in most classroom.
- 2'x4' lens troffers in some classrooms and cafeterias.
- 18"x48" pendants with wireguards in the gym
- 1'x4' lensed surface fixtures and 2'x4' parabolic in offices
- Corridors: pendants and 1"x4" surface linear fixtures.

During utility retrofit programs, fluorescents lamps have been replaced with LED tube lamps or the fixture has been replaced with a LED fixture.

Overall quality of the lighting is fair to poor condition but the lighting creates glare. Glare was observed on whiteboards and computer screens.

All lighting appears to be controlled by local switches including corridors. Corridors are controlled by local switches. There are occupancy sensors in most rooms in the building. Sensors were installed during a utility retrofit program. TEC did not test the occupancy sensors.

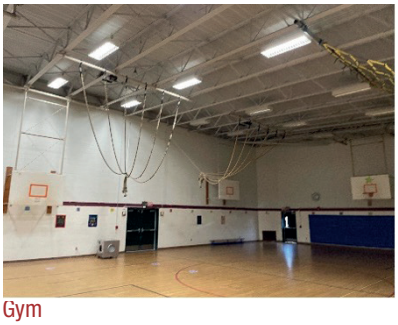
Site lighting consists of LED retrofit fixtures on 30'-0" poles and retrofit LED wall mounted flood type lighting fixtures. Based on the layout observed, it is assumed that the site lighting does not completely cover the parking lot and walkways. Site lighting is control by the BMS system via a relay/contactor.

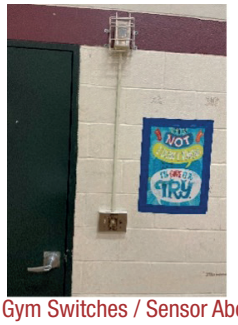
Typical Classroom

Cafeteria

Library


Corridor


Gym


Gym Switches / Sensor Above

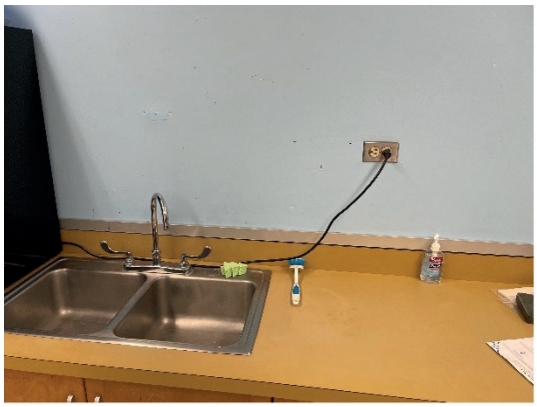

Ceiling Sensor


Wall Switch / Sensor

Receptacle Systems

There are a limited number of receptacles in all spaces including classrooms and offices. Originally, there was two to three receptacles in each classroom and observed two receptacles in many classrooms. The receptacles are of the grounded type.

Receptacles in surface mounted raceways have been added in classrooms and other spaces to meet increased power needs for technology, however the quantity of receptacles is insufficient for current classroom and office requirements.


Non GFCI Receptacle at Sink


New Receptacle in New Wall

Fire Alarm System

The building is not sprinkled. The fire alarm system was replaced in the last five to ten years and consists of a control panel, annunciator, manual pull stations, smoke detectors, heat detectors, and speaker/strobe notification devices. The control panel is an EST IO series panel located adjacent to the switchboard in the janitors work room. An EST annunciator is located in the main entrance. There is an EST EVAC voice evacuation panel at the main entrance, but there is no mic. The original master box has been removed.

The building appears to have 100% smoke detector coverage. Pull stations at every egress door. Ceiling mounted speaker/strobe units in all spaces including classrooms, office suites, and corridors.

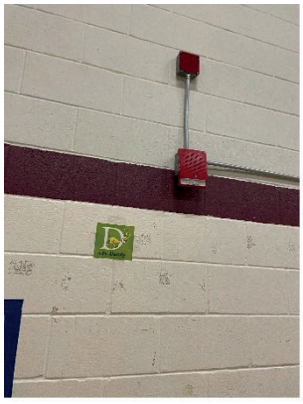
TEC did not witness the fire alarm system operation, but it is assumed that the system is functioning properly. The age of the system will need to be determined, if it is going to be reused. Assuming a renovation project would not be complete for another five years, a new fire alarm system maybe the best solution.

Control Panel

Pull Station at Door

Smoke Detector and Otification Device

Annunciator Voice Evac

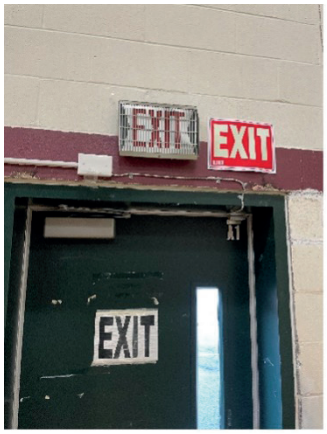


Speak Strobe Unit

Exit Signs

There appears to be exit signs in all paths of egress. There are several different generations of exit signs in the building. Not all exit signs are internally illuminated. Overall exit signs conditions are fair.

Exit Sign



Non-illuminated

Security Systems

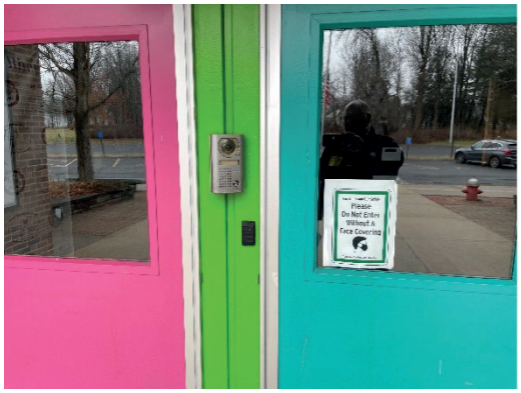
There is Aiphone audio/visual door entrance control system for the main entrance.

There is an intrusion alarm system using door contacts and key pads and the manufacture is DSC. All exterior doors have surface mounted magnetic door contacts. The system appears to be operational but TEC did not observe its operation. The intrusion alarm system is integrated with the BMS.

There is a card access system with card readers on selected exterior doors.

Keypad

Door Contact



Aiphone / Card Access

Communications / Technology

The building is connected to the middle school with six strands of single mode fiber and twelve strands of multi-mode fiber.

There is a limited voice/data network in the building. It appears one voice and one data outlet per classroom. There are voice/data outlets at office work station locations. All wiring is Cat 5. There are wireless access points throughout the building.

All wiring is CAT 5 and 5E and is installed in surface non-metal raceways (Wiremold).

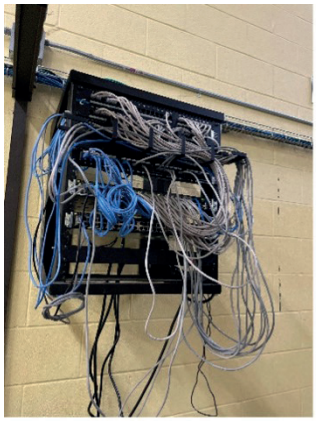
There are three IDF racks in various storage rooms in the building. MDF equipment rack is located in storage room near the library.

The building is served by a Yealink phones system with desk telephones in all offices and classrooms.

In some classrooms the telephone is wall mounted.

A coax cable system was installed in 1970 and a second coax system was installed at least 25 years ago. Both systems are abandoned in place.

The communication systems are aged, very limited and insufficient for a present day school and should be replaced during a renovation project.



IDF Patch Panel

WAP

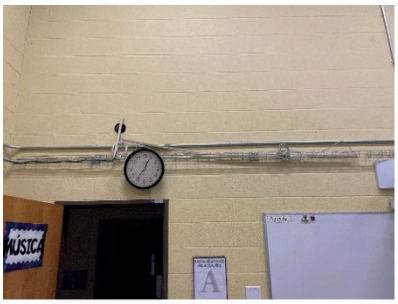
Phone

Master Clock System

The master clock system is a Simplex system with clocks in all classrooms and offices. The master clock controller is located in the front office. The system appears to be functioning; however, TEC did not inspect all secondary clocks.

Master Clock

Clock



Battery Clock

PA System

There is a PA system in the building. The PA controller is located in the main office. The head end was with a Bogen Multicom 2000 paging controller, however the existing wiring and speakers were reused. There are speakers in all classrooms, corridors and other spaces including exterior speakers.

TEC did not observe PA system operation and cannot comment on the quality of the sound. It is safe to assume that the areas with 50 year old speakers have issues with sound quality.

It was stated by Staff that there are no separate exterior speaker zones so all pages, bell tones, and announcements are made outside and there have been complaints from neighbors.

The PA System is aged, and insufficient for a present day school and should be replaced during a renovation project.

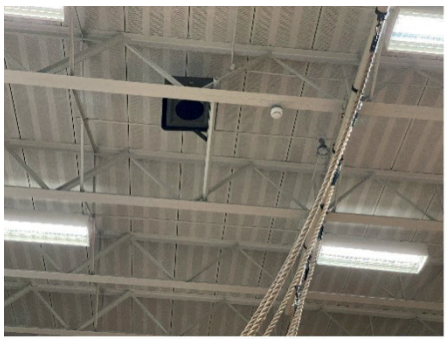
Wall Speaker

Exterior Wall Speaker

Local Sound Systems

There is a local sound system in the gym. System consists of a rack and ceiling mounted speakers. Rack is floor mounted in the gym storage room. The system appears to be in poor condition. TEC did not observe operation but it is safe to assume that the quality of sound is low quality.

Sound Rack



Ceiling Speaker

WILDWOOD ELEMENTARY SCHOOL

Property Data

Address:	71 Strong Street Amherst, MA 01002
Use:	Elementary School (Grades K through 6)
Site Area:	14.3 acres
Date Built:	1971
Renovations:	1996 – Roof replacement
Additions:	None
Occupancy Group:	E – Educational
Construction Class:	Type IIB (noncombustible, unprotected)
Zoning District:	R-N Neighborhood Residence

Building Data

No. Floors:	One story
Gross Area	82,000 GSF
Structure:	Open web steel joists on concrete masonry unit and brick masonry bearing walls with conventional spread concrete footings.
Exterior Walls:	Brick veneer masonry on CMU backup and precast concrete panels.
Roofing:	Single-ply membrane.
Window Systems:	Typically single-glazed aluminum frame system consisting of fixed lites and operable awning units. Many windows have been modified with lexan fastened to the frames
Exterior Doors:	Hollow metal doors in steel frames.
Interior Doors:	Wood and hollow metal doors in hollow metal frames.
Interior Walls:	Painted CMU and exposed brick masonry.
Floors:	Typically vinyl composition tile (VCT) with carpet at the Library & classrooms, hardwood flooring at the Gym, quarry tile at the Kitchen, and ceramic tile at toilet rooms.
Ceilings:	Suspended 24” x 48” acoustic tile.
Sprinklers:	None
HVAC:	Mechanical ventilation provided via unit ventilators at classrooms and indoor air handling units at gymnasium and interior spaces. Fuel oil fired boilers. Air conditioned, chiller is at end of life.
Water:	8” service from main running in Strong Street.
Electric:	2000-amperes, 120/208-volts, 3-phase underground from Strong Street. 12.5 KW, 120/208V, 3-phase diesel emergency generator.
Gas:	None

INTRODUCTION

The purpose of this section is to report the physical conditions of the existing building in order to identify the maintenance needs, capacity of existing systems, and the potential for expansion. Information has been obtained from historic drawings, previous reports and studies, on-site visual inspection, and interviews with school staff and maintenance personnel.

General

The Wildwood Elementary School is located at 71 Strong Street in Amherst on a 14.3 acre parcel.

A residential neighborhood abuts the school property to the West, North and East. The site abuts the athletic fields of the Amherst-Pelham Regional Middle School.

Wildwood is one of three (3) elementary schools in the district with an enrollment of 344 students during the 2020-21 academic year.

Originally constructed in 1971, the building is the same single story structure as when the school first opened with no additions or significant upgrades or renovations.

Legal Title

The Town of Amherst has legal title to the school property. For reference, the deed is attached to this section.

Determination of Development & Restrictions

According to the deed, there are no restrictions for the development of the site.

Historical Significance

The MACRIS database at the Massachusetts Historical Commission, does not contain any entries for the Wildwood School, the site is not located within a historic district. Any additions or renovations to the existing 1971 building shall be designed in a manner to complement and/or enhance the original architectural design intent. These considerations shall have no effect on the project schedule.

SITE

The existing school is located along Strong St. within a residential area. The building is bound by neighborhoods towards the north, east and west with Amherst Regional Middle School towards the southeast. The hilltop path runs along the northern and eastern property line and connects to the middle school south parking lot. The Amherst Community Head Start building and parking is located west on the school's property.

The site's topography varies. The building is located within a flat area on the site with topography rising up towards Strong St. and the neighborhood towards the east. Along the southern edge, there is a large grade change sloping down towards Amherst Middle School's grounds. The grade change appears to be 20 feet.

Primary Issues

- There is a lack of handicap curb cut ramps. Some walkways exceed 5% in multiple areas.
- Five handicap parking spaces are not grade compliant with slopes over the maximum.
- There are non-accessible and uneven playground and pavement surfaces throughout the site. These have created multiple ADA and MAAB code compliancy issues.
- At the vehicular entrance off of Strong St, vehicular pavement, curbing and pedestrian sidewalks are poor condition.
- The southern parking lots' pavement with bus drop-off is in poor condition.
- There is a lack of proper bus drop-off.

Site Access and Pavements — Vehicular

At the school's entrance off of Strong St., vehicular pavement is in fair to poor condition, with the pedestrian sidewalk and curbing in fair condition. There are bike paths on either end of the drive that need to be repainted. As you continue down the road you must turn left to enter the school's parking area and bus drop-off. Pavement and curbing for both parking areas are in poor condition.

The vehicular circulation for the school is a one-way loop entering through the south off of Strong St. and turning east into the main entrance. To proceed out of the drive you must loop around the parking lot and continue out of where you came in.

There are approximately 115 parking spaces on site but only 88 parking spaces available due to allocated bus drop-off and pick-up.

Morning and afternoon bus drop-off and pick-up is in the southwest parking lot. The drop-off is located in a parking lot that services the school. Parking still resides in the center of the drop-off route. The areas are separated by metal movable pedestrian barricades and orange cones.

Service and loading areas are located on the southwest edge of the building within the bus drop-off area.

Vehicular pavement and curbing throughout the parking lot and main entrance areas are in poor condition. The curbing is a mixture of vertical granite curbing, sloped granite curbing and bituminous concrete Cape Cod berm. The condition of the curbing varies around the site. The curbing at the entrance/exit of the site appears to be in fair condition. Curbing within parking areas and adjacent to the building is in poor condition.

Site Access and Pavements — Pedestrian

Pedestrian access is well accommodated with a variety of public sidewalks that connect the school to the surrounding neighborhood. These connections include:

- Strong Street
- Hilltop Path
- Amherst Community Childcare Head Start

There are several accessibility issues which range from tree root heaved sidewalks and limited handicap curb cut ramps.

The pavement consists primarily of bituminous concrete and is in fair to poor condition.

Vertical curbing along the entrances of the building is chipped, warped or has fallen and is a safety hazard.

The unprotected edge at the service and loading area is a safety concern for users accessing the building.

Recreation Areas

The existing school playground consists of multiple outdated thin metal play sets towards the south and east of the building, which are surrounded by wood play chips. There is a small asphalt area towards the south of the play structures that has chalk outlines for four square. A larger wooden play structure stands in the adjacent field west of the building. The wooden play structure lies in a bed of wood chips and appears to be not up to code. A wooden painted sign bridges the entrance of the wooden play structure and should be documented and salvaged during construction.

Directly behind these play areas is an open field with soccer nets. The field is in poor condition.

Multiple benches and tables are scattered along the east of the building and throughout the play areas. Some of these benches and the buddy bench are in good condition.

On the northeast corner of the building there is another newer play structure and a set of four swings sitting in wood play chips. The play structures are in fair condition.

For all playgrounds, wood play surfacing is installed, which does not accommodate any accessible play.

North of the building there is a communal garden for students. This area has raised and in-ground planting beds. A garden shed, which is in good condition, is adjacent to the raised planter beds.

Just east of the communal garden there is an asphalt basketball court with one full court setup and one four square. The court and basketball hoops are in fair condition. The full basketball court is unusable due to a large tent that houses some tables and chairs as well as wooden benches.

Landscape

Street trees are located along Strong Street located to the north of the school. There is a steep slope with large trees which screen the school from the residential neighbors located to the east.

With the exception of a home located at the northwest corner of the school entrance there are existing trees along the western edge of the site that screen the school from the neighbors.

The Amherst Community Childcare Head Start building is located on the school site to the west of the Wildwood School. The school is screened from the ACCHS by a buffer of large trees.

The trees are sparse on the south and north sides of the school. At the northeast corner of the school trees screen the west parking area from the access drive to the front of the school.

All of the trees on the site are showing signs of age and are in fair condition. There are no significant trees on the site.

There is limited shrub planting on the property. The lawn areas are in fair to poor condition.

Miscellaneous Amenities

On the southwest corner of the building, there is a bike rack that is rusted and in poor condition.

Site lighting consists of multiple brands of pole mounted box fixtures in varying conditions and mounting heights. Most are oriented towards the roadway and appear to provide adequate lighting for vehicular and pedestrian safety along the roads. East of the building, within the playground areas, there appears to be insufficient lighting.

Along the entire eastern edge of the buildings there are makeshift outdoor classrooms. These classrooms are a mix between raised planter beds, bench seating areas, and wood stump seating areas. These do not appear to be ADA accessible but should be noted as desirable to have for the future school.

There are multiple memorial areas that should be considered in with the future school's development. There are seven engraved granite benches along the west edges of the building. All benches appear to be in good condition but need to be reset. Engraved bricks are located towards the back of the building adjacent to the outdoor classrooms and appear to be in good condition. There is also a set of totem poles close to the entrance of the site. These should also be salvaged and coordinated with future development.

GEOTECHNICAL EVALUATIONS

The existing Wildwood School Site consists of approximately 2.84 acres of land located at 71 Strong Street in Amherst, Massachusetts. Based upon Site topography and the location of the existing school building, it appears that a new school building will need to be located within the ball fields to the southeast of the existing school.

Subsurface investigations performed to date at this Site consist of five soil borings performed in 2015 by Lahlaf Geotechnical Consulting, Inc. (LGCI), and four backhoe test pits by OTO during December 2021. We also obtained information available from published geologic maps and information in OTO files from nearby Sites. These information sources were used to develop this discussion of Site soil and groundwater conditions.

Geologic Setting

Based upon published geologic information[1], subsurface soil conditions at the Site consist of thick Glacial Till over bedrock. The geologic map indicates that natural deposits of sand and gravel may be present beneath the southern portion of the Site.

Site history information indicates that the Site may have been regraded to construct the existing Wildwood School and the ball fields to the south of the building. We understand from information in the LGCI report, a review of existing ground surface elevation contours, and information obtained from town of Amherst employees that a cut of up to 15 feet was made to establish the grade in the vicinity of the existing school and over 10 feet of fill was placed to form the play fields to the south of the school. Information collected in the existing subsurface explorations support this inference. A discussion of the soil types, based upon published information and geological soil deposition processes, is provided below.

Description of Subsurface Conditions

Subsurface Soil Deposits

The area to the south of the existing school building (where the proposed building would likely to be located) appears to have been filled using reworked Site glacial till soils. Based upon the materials observed by OTO in the 2021 test pits and information in the 2015 report by LGCI the thickness of the fill varies from less than two feet thick in the northern part of the Site (boring B-1 and test pit TP-C) to approximately 10 feet thick along the southern edge of the study area (boring B-3 and test pit TP-D). In addition, the density of the fill varies from between very loose and dense.

Two natural soil deposits were observed in the borings and test pits, an organic topsoil layer and Glacial Till. The topsoil layer consists of a dark brown, fine to medium sand with organics and roots. The topsoil layer is typically present at the base of the fill layer across much of the Site. Its presence typically marks the former ground surface prior to the placement of the existing fill.

The fill material consists of a fine to coarse sand with a relatively high silt/clay content. It appears to consist of reworked Site soils.

The variable density of the fill indicates it was placed in an uncontrolled manner. Based on the variable density and thickness, the in-situ fill material is not a suitable bearing material for the proposed building.

Glacial Till is present directly below the Fill/topsoil layer. It was deposited by the continental glaciers which once underlain all New England. It consists of a very dense, heterogenous mixture of clay, silt, sand and gravel. The Glacial Till is a very good bearing layer due to its high density. However, the till typically contains a significant amount of silt and clay and may become wet and soft during wet periods. In addition, the till layer is relatively impermeable due to its density and high silt/clay content and is therefore not favorable for subsurface stormwater infiltration.

Bedrock was not encountered in any of the explorations performed to date. However, based upon the depth to bedrock it is unlikely to impact the project design.

Groundwater

Groundwater was observed in the borings and test pits at a depth of between 2 and 5 feet below existing ground surface. As was discussed above, the Glacial Till soils are relatively impermeable and therefore act as a barrier to groundwater infiltration. As a result, perched groundwater is likely present on the surface of the Glacial Till layer. As a result, the depth to groundwater is relatively shallow in the northern part of the Site and leaches out of the hillsides to the northwest, north and northeast of the existing school building.

1 "Surficial Geologic Map of Mount Toby Quadrangle, Massachusetts", USGS, Janet R. Stone and Mary L. DiGiacomo-Cohen, 2010.

Discussion of Geotechnical Issues

Based upon the existing information the following geotechnical comments are provided.

- Non-engineered fill is present beneath most of the Site. The fill was apparently placed during the development of the existing school and playing fields. It is relatively thin in the northern part of the project area and is up to 10 feet thick in the southern part. The fill is an unsuitable bearing material due to its variable density and needs to be addressed to construct a new building. Two options are available to address the non-engineered fill. Either it needs to be excavated and recompacted, or it can be improved using ground improvement techniques such as aggregate piers.
- The natural Glacial Till layer is a suitable bearing material for the proposed building. It is dense to very dense and the proposed building can be placed on this natural soil using a relatively high bearing pressure.
- The fill and Glacial Till soils are not favorable for the disposal of stormwater due to their high silt/clay content and/or density. Therefore, it will be difficult to infiltrate stormwater on-Site.
- The groundwater table is present between two and five feet below ground surface and likely seeps out of the hillside to the north and northeast of the proposed building Site. Therefore, it will be difficult to infiltrate groundwater and a perimeter and sub slab drainage system will be needed to control moisture within the proposed building. In addition, subsurface drainage systems will likely be need below pavements.

SEWER & WATER

General

The site is situated along Strong Street and Union Street within a developed residential neighborhood across from the Wildwood Cemetery. The site is developed with an existing one-story elementary school building, a parking lot, a playground, and a baseball field.

The topography of the site as illustrated on the Plan of Land in Amherst, Massachusetts, prepared by Heritage Surveys, Inc., dated June 27, 2016, indicates that the site slopes from a high of approximately 365 feet at the northwest corner of Strong Street to a low of approximately 305 feet along the paved walking path at the south boundary. The vertical datum is based on NAVD 1988. The finished floor of the existing school is at approximately 323.2 feet. In addition, the northern and eastern portions of the site have steep slopes dropping from 365 feet to 325 feet.

Soils

The Natural Resources Conservation Service (NRCS) Web Soil Survey indicates five soil types at this site. The two primary soil types include: Amoston-Windsor silty substratum-Urban land complex, with 0 to 3 percent slopes, and Paxton-Charlton-Urban land complex, 3 to 15 percent slopes. These can be found to the south and north of the school building respectively. The three remaining soils are found in small areas along Strong Street.

- Amoston-Windsor silty substratum-Urban land complex, 0 to 3 percent slopes: This nearly level, moderately well drained soil is on terraces, outwash plains, and deltas. Saturated hydraulic conductivity can range from moderately low to high. The hydrologic soil group (HSG) for this soil is classified as “B”. This soil is found along the south side of the site primarily underneath the school, south parking lot, and open space south of the school onsite.

- Paxton-Charlton-Urban land complex, 3 to 15 percent slopes: This sloped, moderately well drained soil is on ground moraines, hills, and drumlins. Saturated hydraulic conductivity can range from very low to moderately low. The soil is classified as HSG "C". This soil is found along the south side of the site primarily underneath the school, north parking lot, and open space north of the school onsite.
- Charlton fine sandy loam, 8 to 15 percent slopes: This sloped, well-drained soil is typically found on ridges, ground moraines, and hills. Saturated hydraulic conductivity can range from moderately low to high. The soil is classified as HSG "B". This soil is found onsite along Strong Street.
- Charlton fine sandy loam, 3 to 8 percent slopes, very stony: This sloped, well-drained soil is typically found on ridges, ground moraines, and hills. Saturated hydraulic conductivity can range from moderately low to high. The soil is classified as HSG "B". This soil is also classified as very stony, having a small surface area covered with cobbles, stones, or boulders. This soil is also found onsite along Strong Street.
- Charlton fine sandy loam, 8 to 15 percent slopes, very stony: This sloped, well-drained soil is typically found on ridges, ground moraines, and hills. Saturated hydraulic conductivity can range from moderately low to high. The soil is classified as HSG "B". This soil is also classified as very stony, having a small surface area covered with cobbles, stones, or boulders. This soil is also found onsite along Strong Street.

Tests pits and soil borings and a preliminary geotechnical study was submitted by Lahlaf Geotechnical Consulting, Inc. (LGCI) for this site on November 3, 2015. The test pits and borings show varying groundwater across the site. The majority of borings were conducted in the southeastern portion of the site where the proposed school may be located. Groundwater was observed in three of the five borings in this area at an elevation ranging from 313.8 to elevation 316.5 feet (a depth of 7.6-9.2 feet below existing surface).

Wetlands & Floodplains

According to MassGIS, there are no wetland resource areas subject to the Massachusetts Wetlands Protection Act on or within 100 feet of the subject site.

The site is categorized by the Federal Emergency Management Agency (FEMA) as an area of minimal flood hazard (Source: FEMA National Flood Hazard Layer FIRMette).

Zone II Aquifers and Regulated Water Supplies

There are no water supply aquifers (Zone IIs) or surface water supplies that are on or near the subject site.

Wildlife Habitat

Rare species and their habitats are protected by the Massachusetts Endangered Species Act (MESA) and the Massachusetts Wetlands Protection Act. A project which alters Priority or Estimated Habitat must be reviewed by the Natural Heritage and Endangered Species Program (NHESP) for compliance with MESA.

Priority and estimated habitats along with certified and potential vernal pools have been delineated and published by NHESP in the 15th Edition 2021 Massachusetts Natural Heritage Atlas, the most current version. The NHESP data layer is available for review on MassGIS. The Natural Heritage data layers are used to screen projects and activities that may impact state listed rare species and their habitat.

Based on a review of the MassGIS online mapping Natural Heritage Data Layer, the site is not within any area designated as Estimated Habitat or Priority Habitat of Rare Wetlands Wildlife or within any Priority Habitat Area. There are also no certified vernal pools or potential vernal pools on or near this site. The nearest Priority Habitat is located near 305 Strong Street (PH1343) which is approximately 2,300 feet away.

Trees

There are approximately ninety (90) large trees (greater than 6" diameter) within the manicured school area along the parcel in addition to the site being surrounded by an existing tree line on the south and east sides of the site.

Infrastructure

As illustrated on the Plan of Land, prepared by Heritage Surveys, Inc., , utilities were based on surface features as located by the surveyor and available record data. The capacity of the services from Strong Street to serve a larger elementary school building needs to be verified.

Stormwater Management

There are several catch basins and drainage structures with pipe routing throughout the site. These structures surround the school primarily in paved areas. The outlet from the onsite drainage flows to the south towards the Regional Middle School. The piping system capacity will need to be verified.

Water Supply System

There is an 8-inch AC water main that routes from Strong Street down the driveway and feeds ancillary services for the existing school (Hydrants, etc.). It is unclear where the existing service is routed from. The adequacy of the water system with respect to pressure should be verified by a hydrant flow test.

Sanitary Sewer

There is a 12-inch AC sewer main that runs through the site from Strong Street south to the Regional Middle school offsite. The existing sanitary connection is on the southwestern face of the existing Wildwood School based on the Plan of Land, prepared by Heritage Surveys, Inc.

Gas Utility

It is unclear if the existing elementary school uses natural gas. There are no gas mains located in Strong Street or identified on the existing conditions plan, prepared by Heritage Surveys, Inc.

Electrical Utility

There appear to be electrical conduits underground routing from the southern portion of the site. The underground electric routes in a loop around the southwestern portion of the site and feeds the existing school from the west side. An abandoned underground electrical conduit also exists onsite from Strong Street. Utility poles with street lighting line the parking lots.

Telephone / Fire Alarm / Communications

Telephone and fire alarm conduits are fed from a utility pole on Strong Street to the existing school. An underground communications line runs to the school from the Regional Middle School from the southern portion of the site.

TRAFFIC STUDY

A traffic study of the Fort River Elementary School site and the Wildwood Elementary School site dated February 22, 2022 by Pare Corporation is attached at the end of this Section.

STRUCTURAL REVIEW

Introduction

Foley Buhl Roberts & Associates, Inc. (FBRA) is collaborating with *DiNisco Design, Inc. (DDI)* and their consultants in the review and evaluation of structural issues/conditions at the Wildwood Elementary School in Amherst, Massachusetts. The purpose of this report is to identify and describe the structural systems of the building and to comment on the structural issues/conditions observed. General comments relating to potential renovations, alterations, and additions to the school (governed by the Existing Building Code of Massachusetts (EBCM - 9th Edition)) are presented as well.

Structural conditions at the Wildwood Elementary School were reviewed at the site by FBRA on December 30, 2021. Members of the Design Team were given a tour of the building by Mr. Rupert Roy-Clark, the Director of Facilities.

The following documents were reviewed in the preparation of this Existing Conditions Structural Report:

Elementary School - Amherst, Massachusetts: Foundation Drawings CD-8, CD-9 and CD-10, Roof Framing Drawings S-1 and S-2, and various Architectural Drawings, all prepared by Alderman & MacNeish Architects and Engineers, West Springfield, Massachusetts; dated February 11, 1969.

Wildwood Elementary School - Structural Assessment: Report prepared by Engineers Design Group, Inc., Malden, Massachusetts; dated February 11, 2016.

Preliminary Geotechnical Report - Proposed Wildwood Elementary School: Report prepared by Lahlaf Geotechnical Consulting, Inc., Billerica, Massachusetts; dated February 11, 2016.

No exploratory demolition, ceiling tile removal or structural materials testing was conducted in conjunction with this study**;** accordingly, observations are based solely on the documents referenced above and on a limited visual survey of those areas of the building which were accessible and exposed to view.

General Description

The Wildwood Elementary School is located at 71 Strong Street in Amherst, MA. The one-story building was constructed in 1970 on a relatively level site. The total floor area is approximately 82,000 gross square feet. The building is steel framed (open web steel joists supported by steel beams), with a conventional, shallow spread footing foundation. The first floor is a soil-supported concrete slab on grade. Exterior walls are 4" brick veneer, with an 8" CMU backup wall. There are precast concrete elements at the head and sill of certain windows around the building.

The Wildwood Elementary School is rectangular in plan. The main entrance is on the north side of the building and leads to a central, north-south main corridor. Secondary, east-west corridor loops branch off on either side of the main corridor. Programmed spaces include classrooms (subdivided from the original, large/open classrooms), offices (center of the building), a library/media center (east center), music and art classrooms (west side), cafeteria spaces (west side), a gymnasium (east side), a sunken boiler room (southwest corner) and various support spaces. There are two open courtyards on the west side and six smaller courtyards located off the eastern corridor loop connecting the original six large/open classroom spaces. A mechanical mezzanine is present along the east side of the gym (accessed by a ladder). Interior partitions and the original classroom demising walls are typically CMU construction (unreinforced). The original open/large classrooms have been subdivided in various ways by the addition of metal partitions.

Except for the subdivision of the original large/open classrooms, no major renovations, alterations, or additions to the building have been conducted since the original construction.

The building was designed and constructed prior to the introduction of the Massachusetts State Building Code. The governing document at the time of construction was the *Massachusetts Structural Regulations for School Houses.*

Structural Systems Description

Structural Materials: Per the available existing drawings, concrete for footings, foundation walls and slabs is 3,000 psi strength at 28 days. Reinforcing steel properties are unknown; however, reinforcing is assumed to be deformed bars with a 40 ksi yield strength. Structural steel is ASTM A36, with a 36 ksi yield strength.

Subsurface Soils/Foundations: Per the referenced Geotechnical Report, soil borings indicate that the soil profile consists of a 6 inch to 3 feet thick layer of topsoil over 2.8 to 9 feet of fill, underlain by sand and silt (glacial till). Groundwater was encountered at depths ranging from 7.6 to 9.2 feet below the ground surface. Footings of the original building were proportioned on the basis of a 3,000 psf (1½ tsf) allowable bearing pressure on undisturbed natural soils. There are no basement areas; however, the floor of the boiler room at the southwest corner of the building is located approximately 3'-6" below the first floor level. Foundation walls surrounding the boiler room have been waterproofed.

The site is classified as Site Class D and is not considered to be subject to liquefaction. Foundations for any proposed addition would be designed for a 4,000 psf (2 tsf) allowable bearing capacity on improved soils (rammed aggregate piers). Removal of the unsuitable fill materials and replacement with compacted structural fill would also be an option; however, this may not be the most cost effective approach.

Structural Bays/Spans: The structural bay size varies throughout. Typical, east-west joist spans over the original large/open classrooms are 33 feet. Supporting girder spans in these areas are 24 to 26 feet. Steel joists over the gym clear span nearly 55 feet in the north-south direction.

Design Live Loads: The Structural Drawings indicate that the roof structure was designed for a 30 psf snow load and a 55 psf total load (dead load plus snow load). Note that the current edition of the Massachusetts State Building Code (780 CMR - 9th Edition) requires a minimum flat (or low-slope) roof design snow load of 35 psf. It does not appear that snow drift loading was accounted for in the original design. The mechanical mezzanine floor in the gym was designed for a 100 psf live load. Representative structural calculations generally confirm the design loads noted on the Structural Drawings. A comprehensive structural evaluation of the entire building is beyond the scope of this report.

Expansion Joints: There is one, east-west expansion joint in the roof structure. The joint does not appear to be properly detailed and does not extend through the finishes (walls and ceilings) below.

Roof Construction: Typical roof construction consists of a 1½" deep metal roof deck spanning 4+/- feet to open web steel bar joists. Steel joists are supported by wide flange steel beams, which span to 4" HSS (tube/pipe) steel columns. Roof construction over the gym consists of a 3" deep cellular acoustic deck spanning 5+/- fee to longspan open web steel joists. Steel joists are supported by wide flange steel beams and HSS columns. Roof framing over the original music room (exposed to view) is similar, with 1½" deep cellular acoustic deck supported by open web steel bar joists. Roof profiles vary throughout; typical roof areas are either (low-slope) sawtooth or mono-pitch configurations.

Mechanical Mezzanine Floor Construction: Mezzanine floor construction consists of a 6" thick, one-way reinforced concrete slab, spanning 13'-4" (maximum) to concrete encased, wide flange steel beams. Steel beams are supported by wide flange steel columns.

First Floor Construction: Typical first floor construction is a 4" thick, soil-supported concrete slab on grade, reinforced with welded wire fabric. A 6" thick concrete slab on grade was constructed in the boiler room. The slab thickens to 12" below interior CMU partitions.

Wall Construction: Typical exterior wall construction consists of a 4" brick veneer (no cavity), with an 8" thick, unreinforced masonry block backup wall. The veneer is anchored to the backup wall with intermittent soldier bricks placed in every 6th course. Precast accent panels have been installed at the head and sill of a number of windows around the building. Vertical control joints in the brick veneer were observed at regular intervals. Weep holes at the base of the brick veneer, have reportedly been sealed; further review is recommended.

Foundations: As noted above, foundations are conventional spread footings. Typical, reinforced concrete perimeter foundation walls are 12" thick, with a 20" wide by 12" deep continuous strip footing. Interior and perimeter columns are supported on individual spread footings of various sizes.

Fire Resistance: The building is classified as Type IIB construction; the unprotected steel roof framing has no fire resistance rating. There are no sprinklers in the building. The footprint of the building may exceed the maximum allowable area allowed by the current building code for this type of construction; refer to the code report for additional information.

Lateral Load Resistance: As the building was designed and constructed prior to the introduction of the Massachusetts State Building Code (MBC), the structure does not meet current wind and seismic load requirements (strength and detailing). There is no clearly defined lateral force resisting system in either direction; however, the perimeter and interior unreinforced masonry walls provide a level lateral force resistance (by default). Only those walls which are built on column lines and extend to the steel columns would participate in lateral force resistance; walls which do not fall on column lines would not contribute, as there is no apparent anchorage to the roof diaphragm.

Structural Condition/Comments

Structural Conditions at the Wildwood Elementary School were reviewed (where accessible and exposed) on December 30, 2021. Generally speaking, floor and roof construction appear to be performing satisfactorily; there is no evidence of structural distress that would indicate significantly overstressed, deteriorated or failed structural members.

Foundations appear to be performing adequately; there are no apparent signs of significant, total or differential settlements.

Structural/structurally related conditions observed during the December 30, 2021 site visit and associated comments are noted below. All items would be addressed in conjunction with a future renovation of the building, unless noted otherwise.

1. Building Exterior:
   - Masonry veneer is generally in satisfactory condition, with limited cracking or deterioration of the face brick observed. Repointing of approximately 10% of exterior brick veneer is recommended.
   - Precast head and sill elements at windows generally appear to be in satisfactory condition.
   - The brick masonry chimney on the west side of the building shows signs of deterioration in limited areas. It appears that this chimney may have been lowered in the past. Masonry repair/repointing is recommended. Note that this cantilevered element would need to be braced or rebuilt in a *Level 3 Alteration.*
   - Loose lintels over window/door openings and above unit ventilators have rusted in some locations; cleaning and coating with zinc-rich paint or replacement (if necessary) is recommended. Note that the unit ventilators are located close to the exterior grade and require maintenance during the winter months.
   - Deterioration at the top of foundation walls was observed at certain building corners. Elsewhere, vertical shrinkage cracks in foundation walls were noted (limited areas). These conditions do not represent a structural concern (freeze-thaw action and thermal/shrinkage movement related); however, they should be repaired in conjunction with a future renovation of the building.
   - Exterior concrete elements (pavement, steps, curbing, etc.) have deteriorated in some locations (de-icing salts and freeze-thaw action). Repair/replacement of these elements should be undertaken, as these conditions may present a tripping hazard.
2. Roofing: The roof was not accessed during our visit. The age and condition of the roof is unknown; however, it is reportedly a single ply membrane roof in satisfactory condition. Evidence of roof leaks (either past or present) was observed in some locations.

3. Snow Loads: The snow load capacity of the roof was not evaluated. However, as noted earlier in this report, the 30 psf design snow load does not meet current code requirements. As the design of the building preceded the introduction of the Massachusetts State Building Code, it is unlikely that provisions were made in the structural design for snow drift loading. The current code requires a minimum, flat (or low slope) roof design snow load of 35 psf for a school building in Amherst. Drifting snow loads on lower roofs can be significantly higher. FBRA recommends that these conditions be evaluated in conjunction with a future renovation of the school (such an evaluation is beyond the scope of this report). In the interim, these conditions should be monitored during periods of heavy snow.
4. Lateral Force Resistance/Seismic Hazards: As previously noted in this report, there is no clearly defined lateral force resisting system (LFRS) in the building. Unreinforced, interior and exterior masonry walls provide a degree of lateral force resistance (by default). The building does not meet current seismic code requirements. Lateral force resistance issues and seismic hazards would need to be evaluated and addressed in conjunction with a future renovation of the school. Refer to additional comments in the next section of this report.
5. Ponding: An evaluation of potential rainwater ponding on the various roof areas should be conducted, in conjunction with a future renovation of the school (such an evaluation is beyond the scope of this report). In the interim, roof drains should be periodically inspected and maintained to ensure that they are clear and functioning properly.
6. Masonry Walls: Interior CMU partitions and perimeter CMU backup walls are generally in satisfactory condition. Vertical cracks were observed in the exterior wall of the art storage room, the demising walls of the original large/open classrooms and the east gym wall. These cracks are not considered to be structurally significant; however, they should be repaired in conjunction with a future renovation of the building. There is a crack in the interior brick facing at the southern edge of the opening from the main corridor to the east corridor loop; repair is recommended. The anchorage/bracing of all interior and exterior masonry walls as well as their height-to-thickness ratios will need to be evaluated (per code) if the building is renovated in the future.
7. There is no evidence of significant water infiltration issues in the boiler room or elsewhere; reportedly, there are no groundwater issues in the building.
8. Floor tiles have moved and/or deteriorated in some locations. Reportedly, floor tiles have been replaced in the past by Town personnel, potentially accounting for some of the conditions observed. Elsewhere, it appears that some of the conditions observed may be due to moisture issues. Further review and evaluation would be recommended, prior to installing new flooring.

Refer to the documents prepared by the Architect and the other disciplines for additional comments and recommendations relating to the building envelope and MEP/FP systems in the building.

Renovations and Additions - Code Requirements

General comments relating to potential renovations, alterations, and additions to the Wildwood Elementary School are presented in this section. Renovations, alterations, repairs, and additions to existing buildings in Massachusetts are governed by the provisions of the Massachusetts State Building Code (MSBC; 780 CMR - 9th Edition) and the Existing Building Code of Massachusetts (EBCM; 780 CMR - 9th Edition, Chapter 34.00). These documents are based on amended versions of the 2015 *International Building Code (IBC)* and the 2015 *International Existing Building Code (IEBC),* respectively.

Code Compliance Methods

Section 104.2.2.1 of the EBCM requires that the existing building be investigated and evaluated in sufficient detail as to ascertain the effects of the proposed work on the structural systems (both gravity load carrying elements and lateral force (wind and seismic) resisting elements).

The EBCM defines three (3) compliance methods for the repair, alteration, change of occupancy, addition, or relocation of an existing building. The method of compliance is chosen by the Design Team (based on the project scope and cost considerations) and cannot be combined with other methods.

The *Prescriptive Compliance Method* (IEBC Chapter 4) prescribes specific minimum requirements for construction related to additions, alterations, repairs, fire escapes, glass replacement, change of occupancy, historic buildings, moved buildings and accessibility. If the impact of the proposed alterations and additions to structural elements carrying gravity loads and lateral loads is minimal (less than 5% and 10% respectively), structural/seismic reinforcing of an existing building are not required. Provided that not more than 50% of the spaces in the building are reconfigured, seismic hazards such as bracing the tops of interior masonry walls and partitions, anchorage of floor and roof diaphragms to the exterior walls, bracing of parapets and chimneys, etc. would not be required by code, but could be addressed on a voluntary basis. If the area of reconfigured spaces exceeds 50% of the gross floor area, these seismic hazards must be addressed by code. ***Note that, in determining the area of reconfigured spaces, the new floor layout would need to be compared to the original (not the current) floor layout (typical for all compliance methods).***

The more widely chosen (and appropriate for this project) *Work Area Compliance Method* (IEBC Chapters 5 through 13) is based on a proportional approach to compliance, where upgrades to an existing building are triggered by the type and extent of work. The Work Area Compliance Method includes requirements for three levels of alterations, in addition to requirements for repairs, changes in occupancy, additions, historic buildings or moved buildings. A complete seismic evaluation of the existing building is required under the following conditions: Level 2 alterations where the demand (mass/seismic force) to capacity (lateral force resistance) ratio of lateral load resisting elements has been increased by more than 10%, all Level 3 alterations, a change in occupancy to a higher category (not applicable to this project) and where structurally attached additions (vertical or horizontal) are planned (any major addition(s) to the building will be structurally separated, so this is not applicable). Provided that not more than 50% of the spaces in the building are reconfigured (since the original construction), renovations would be classified as *Level 2.* Assuming that modifications to the existing masonry walls providing lateral force resistance and concrete frames will not be significant (i.e., less than 10%), seismic upgrades or seismic strengthening of the building would not be required by code. However, addressing certain seismic hazards by bracing the tops of interior masonry walls and partitions, anchoring floor and roof diaphragms to the exterior masonry walls, bracing of chimneys, etc. could be done on a voluntary basis. In a ***Level 3*** alteration (more than 50% of the building reconfigured), these seismic hazards must be addressed by code.

The less frequently chosen *Performance Compliance Method* (IEBC Chapter 14) provides for evaluating a building based on fire safety, means of egress and general safety (19 parameters total). This method allows for the evaluation of the existing building to demonstrate that proposed alterations, while not meeting new construction requirements, will maintain existing conditions to at their current levels (at a minimum) or improve conditions, as required. A structural investigation and analysis of the existing building is required to determine the adequacy of the structural systems for the proposed alteration, addition or change of occupancy. A report of the investigation and evaluation, along with proposed compliance alternatives must be submitted to the code official for approval.

Under all compliance methods, an evaluation of the roof diaphragm strength and anchorage of the diaphragm to the perimeter structure is required if the building is re-roofed, the building is in Risk Category IV and the ultimate design wind speed at the site exceeds 150 mph. As the Wildwood Elementary School is a Risk Category III building and the ultimate design wind speed is 125 mph, these requirements would not apply.

Additions - General Comments - EBCM

The design and construction of a new addition to the Wildwood Elementary School would be conducted in accordance with the Code for new construction. Any planned, major additions should be structurally separated from the existing, adjacent construction by an expansion/seismic joint to avoid an increase in gravity loads or lateral loads to existing structural elements.

Renovations/Alterations - General Comments - EBCM

Where proposed alterations to existing structural elements carrying gravity loads result in a stress increase of over 5%, the affected element will need to be reinforced or replaced (if necessary) to comply with the Code for new construction.

Alterations to existing structural elements that are resisting lateral loads (i.e., full height, masonry walls/ partitions that are built on column lines between columns), which result in an increase in the lateral force demand (seismic load) to capacity (seismic resistance) ratio of over 10% should be avoided, if possible. Essentially, this means that removal of masonry walls resisting lateral forces (or creating large openings in these walls) should be avoided; otherwise, seismic strengthening of the building as well as additional seismic upgrades may be triggered.

Repair/reinforcing of conditions that do not meet current code requirements must be evaluated to determine if any danger to the occupants exists. In particular, as the roof was designed for a snow load which is below current code requirements and it does not appear that snow drift has been considered, a structural evaluation of the roof construction would be warranted.

Proposed Structurally Related Renovations, Alterations, and Additions

Generally speaking, and as noted above, alterations to, or removal of existing masonry walls that provide lateral force resistance for the building should be avoided (to the extent possible) so that seismic reinforcing/upgrades are not triggered. Proposed renovations/alterations include the removal and reconfiguration of certain 4" to 8" thick CMU partitions in the central administration area to the west of the library. The new layout will need to be carefully evaluated to ensure that the walls to be removed are not contributing significant lateral force resistance for the building.

The enlargement of the present gym is also under consideration. The east wall of the gym would be removed, and a new wall (with foundations) would be constructed further to the east. This would require a significant reconstruction or replacement of the current gym roof structure and a lateral force evaluation of the building. New, reinforced masonry shear walls (with foundations) would be required along the east and west sides of the expanded gym.

A classroom addition may be proposed, located to the south of the existing building. As previously noted, such an addition would be separated from the existing building by an expansion/seismic joint.

ARCHITECTURAL SYSTEMS

Exterior Walls

The Typical exterior wall assembly used throughout the building is 4" brick veneer on concrete masonry unit backup with precast concrete panels above and below window openings. The original construction drawings call for limited batt insulation at precast concrete panels. The exterior wall assemblies do not meet current energy code requirements for new construction.

The condition of the exterior walls, in general, is fair. Areas of brick veneer show signs of step cracking, but the brick appears generally in good condition from visual inspection.

Roofing

The building has one main roof level with high roofs at the gymnasium and one of the classrooms. In 1996 the original roof systems was replaced with new rigid insulation, a fully adhered single-ply membrane, and painted aluminum flashings, facias, and caps.

Windows

The window systems are original to the building and typically consist of aluminum frames with both fixed lites and operable awning units. Original glazing is single pane glass and the frames are not thermally broken. Many windows have been modified with lexan fastened to the frames. All window systems are in poor condition and do not meet current energy code requirements for new construction.

Exterior Doors

The original exterior doors are hollow metal leafs set in rolled steel frames or integrated into the steel window systems.

Interior Walls

Interior partitions are typically painted concrete masonry or exposed brick masonry. GWB walls have been installed to divide the original open classrooms. Interior walls are generally in good condition, with areas of cosmetic paint damage and isolated areas of step cracking.

Interior Doors

The original flush wood doors in hollow metal frames remain in-place throughout the building. Some interior doors are equipped with vision panels. Knob hardware has been replaced with lever-type hardware at all doors.

Flooring

Finish flooring throughout the building varies and appears original to the building in most instances. Flooring is typically vinyl composition tile (VCT); this includes all Corridors, and the Cafeteria. The Library and Classrooms are carpeted, and the Gymnasium surface is hardwood flooring with game lines. Quarry tile is installed in the Kitchen, and toilet rooms contain ceramic tile flooring. Mechanical and service spaces are exposed concrete.

Ceilings

Finish ceilings throughout the building are entirely 24" x 48" lay-in suspended acoustic tile, except for the Gymnasium, where the painted roof structure is exposed to view. Ceiling heights are typically 8'-6" above the finish floor. The ceiling grid and tiles are in poor condition throughout and are in need of replacement.

Lockers & Cubbies

The building does not contain lockers or cubbies. Student storage is provided in corridors in the form coat hooks above storage separated from the corridor by a curb.

CODE

Introduction

The existing Wildwood Elementary School building was built as an educational facility in 1971. The building includes classrooms, a gymnasium, cafeteria, library, and administrative offices.

The following is a chart of codes applicable to the development of the project:

Code Type	Applicable Code (Model Code Basis)
Building	780 CMR: Massachusetts State Building Code, 9th Edition Amended 2015 International Building Code (IBC) Amended 2015 International Existing Building Code (IEBC)
Fire Prevention	527 CMR: Massachusetts Fire Prevention Regulations M.G.L. Chapter 148 Section 26G – Sprinkler Protection
Accessibility	521 CMR: Massachusetts Architectural Access Board Regulations 2010 ADA Standards
Electrical	527 CMR 12.00: Massachusetts Electrical Code Amended 2020 National Electrical Code
Elevators	524 CMR: Massachusetts Elevator Code Amended ASME A17.1-2013/CSA B44-13
Mechanical	2015 International Mechanical Code (IMC)
Plumbing	248 CMR: Massachusetts Plumbing Code
Energy Conservation	2018 International Energy Conservation Code (IECC)

Occupancy Classification

The existing building is considered Use Group E. Assembly spaces (i.e. cafeteria) that are associated with a Use Group E occupancy are also considered Use Group E (IBC 303.1.3). If these spaces are used for non-school events however they must be classified as a Use Group A occupancy.

Construction Type

From visual analysis and limited above-ceiling inspection, the building appears to be Type IIB construction (non-combustible, unprotected).

Interior Finishes

The existing finishes generally consist of painted drywall or masonry that complies with the code requirements for new construction (IEBC 803.4). All wall finishes, ceiling finishes, and trim materials installed as part of a future project must comply with IBC Table 803.11.

Means of Egress

The means of egress including the number of exits and egress capacity must be sufficient for the number of occupants on all floors (780 CMR 102.6.4). The first floor has multiple exterior exit doors and the relatively small second floor includes three exit stairs that provide capacity well in excess of the building's occupant load and therefore comply with this requirement.

The existing stairs are generally consistent with current stair design standards for exit stairs. Some handrails and guardrails are not in compliance with the current IBC criteria for handrail extensions and opening limitations.

All of the larger assembly spaces with greater than 50 occupants are provided with two egress doors as required. All of the existing primary egress doors swing in the direction of egress as required. The existing primary egress doors with latches appear to include panic hardware as required.

The building does not contain dead-end corridors.

Fire Protection Systems

The building does not contain a sprinkler system.

Since the building is over 7,500 gross square feet in area, it is subject to the requirements of

M.G.L. Chapter 148 Section 26G. These amendments require the entire building to be provided with sprinkler protection if the renovations are considered "major".

Renovations are considered major depending on the type of work and the scope / cost of work. The following are general guidelines established by the board to be used to determine if the scope or the cost of the planned alterations are major:

1. Major alterations are reasonably considered major in scope when such work over a 5 year period affects 33% or more of the total gross square footage of the building (measured from the outside walls, regardless of firewalls).
2. Major alterations are reasonably considered major in scope or expenditure, when the total cost of the work over a 5-year period, excluding costs relating to sprinkler installation, is equal to or greater than 33% of the assessed value of the building, as of the date of permit application.

In addition, regardless of the scope of the renovation, if an addition is constructed the general law requires full sprinkler protection throughout the building.

Energy Code

New work is subject to the International Energy Conservation Code (IECC) or ANSI/ASHRAE/IESNA 90.1 with Massachusetts Amendments (Massachusetts Energy Code). Alterations to existing buildings are permitted without requiring the entire building to comply with the energy requirements of the International Energy Conservation Code (IECC). The alterations (new elements and additions) must conform to the energy requirements of the IECC as they relate to new construction only (IEBC 811.1).

The Massachusetts Stretch Code has been adopted by the Town of Amherst.

Ventilation Requirements

All reconfigured spaces must provide mechanical or natural ventilation in accordance with the International Mechanical Code, except that existing ventilation systems are permitted to remain provided they achieve not less than 5cfm of outdoor air per person and not less than 15 cfm of ventilation air per person (IEBC Section 809).

Architectural Access Board Regulations (MAAB)

The existing building does not fully comply with MAAB regulations.

The building includes multiple toilet rooms, some of which are not accessible at all and others which are semi-accessible but not fully compliant (i.e. lack of clear floor space in accessible toilet stalls, non-compliant grab bars.

Classroom sink areas are not accessible. Signage does not meet current MAAB regulations and does not include raised characters or Braille.

Future alterations to the building must comply with the requirements of the Massachusetts Architectural Access Board Regulations (521 CMR). For existing building alterations, the requirements of 521 CMR are based on the cost of the proposed work.

If the cost of the proposed work is greater than 30% of the full and fair cash value of the existing building, the entire building is required to comply with 521 CMR (521 CMR Section 3.3.2). All portions of the building open to the general public (students, visitors, etc) must be upgraded to comply in full with the current requirements of 521 CMR.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Lord Associates prepared a Phase I Environmental Site Assessment Report for the Wildwood Elementary School on 20 October 2015. Please refer to the electronic copy of this report for the Phase I Environmental Site Assessment Report.

HAZARDOUS MATERIALS ASSESSMENT SURVEY

As part of a previous study for the Wildwood School, Universal Environmental Consultants prepared a Hazardous Materials Identification Study dated 28 and 30 September, 2015.

HVA, PLUMBING & FIRE PROTECTION SYSTEMS

School front

L- one of several courtyard/ lightwell. R- original single pane glass were retrofitted with plastic panel inside, apparently not tight so the insets are visible in the air space.

General:

1. Built in 1970 (52 years old).
2. Single story building with 82,000 GSF floor area.
3. This school is virtually identical to the Fort River School.

Executive Summary:

1. HVAC System:
   a. Two-pipe seasonal switch-over heating/ air conditioning system, with direct expansion (DX) partial air conditioning and oil-fired hot water heater.
   b. Classrooms are served by unit ventilators and corridors are heated by hot water convector. Gym is not air conditioned.
   c. Kitchen has untampered makeup air, which results in Kitchen to become frigid cold during winter when the cooking exhaust hood is used.
   d. All components, with exception of boilers and pumps, are the original vintage which are well past its useful life.
   e. Due to exceptionally high level of maintenance, components are in amazing shape and operable, but despite these heroic efforts, the system is absolutely at end of its life.
   f. It is highly unusual for this vintage school to be air conditioned. However, due to its age it has become not repairable so rental chiller is planned going onward.

g. Some parts of pipe insulated appears to have encapsulated ACM (Asbestos Contaminated Material), specifically at elbows.

h. Entire mechanical system needs to be replaced.

i. Under Town's Bylaw, even the relatively new oil-fired boilers cannot be re-used. Only the fossil fuel burning stand-by generator is exempt.

2. Plumbing System:

a. Potable water is fed from the municipal supply but lacks Code mandated backflow preventor.

b. Sanitary waste system is connected to the municipal system.

c. Domestic hot water is generated by indirect heater, which means boiler has to run year-round.

d. Due to exceptionally high level of maintenance, components are in amazing shape and operable, but despite these heroic efforts, the system is at end of its life and must be replaced.

3. Fire Protection System:

a. This building does not have sprinkler system.

b. Kitchen hood does not have Ansul system.

c. Sprinkler and Ansul system must be added.

MECHANICAL

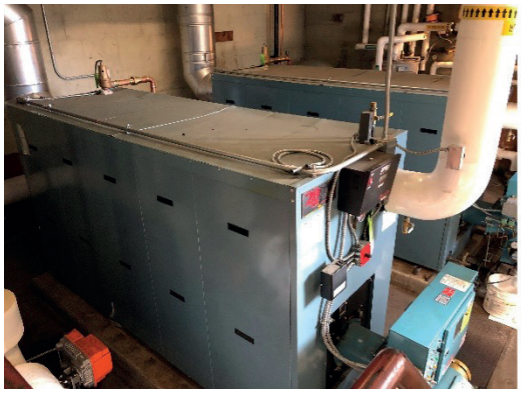
Overall Description:

1. Original 1970 vintage two-pipe seasonal change-over heating/ cooling system.
2. Fully conditioned by original unit ventilators in the classrooms.
3. Interior spaces served by original air handling units.
4. Gym is not air conditioned.
5. Cooling plant comprises of an original air-cooled condensing unit on roof, chiller barrel and the pumps in the boiler room.
6. Oil fired hot water boilers, with SS flue ran through the masonry chimney.
7. Underground 10,0000-gallon fuel oil tank, and a smaller fuel oil tank for the diesel generator.

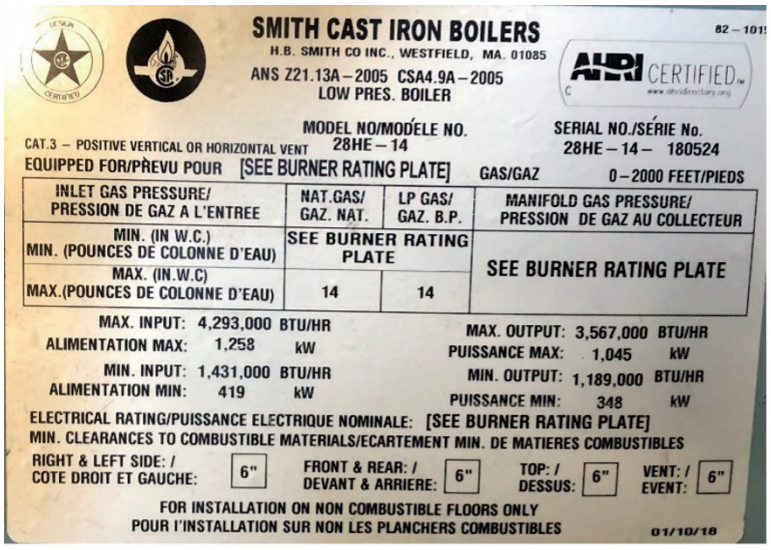
Photo Essay:

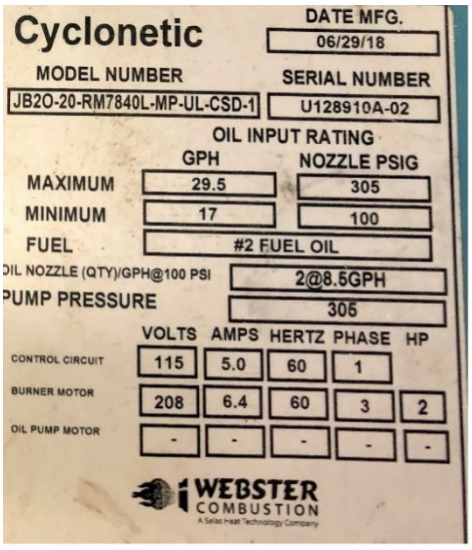
L- original 52 year old air cooled condeisning unit on roof, still works most times; nameplate was illegible, but tthought to be 70-tons, which would be considered severely undersized by today's standard. R- chiller barrel (black above white pipes) inside right below.

L- A set of 4" lines are extended to outside for temporary chiller hookup in case of chiller failure. R- boiler combustion air duct; lower opening had to be blocked off to prevent freezing.

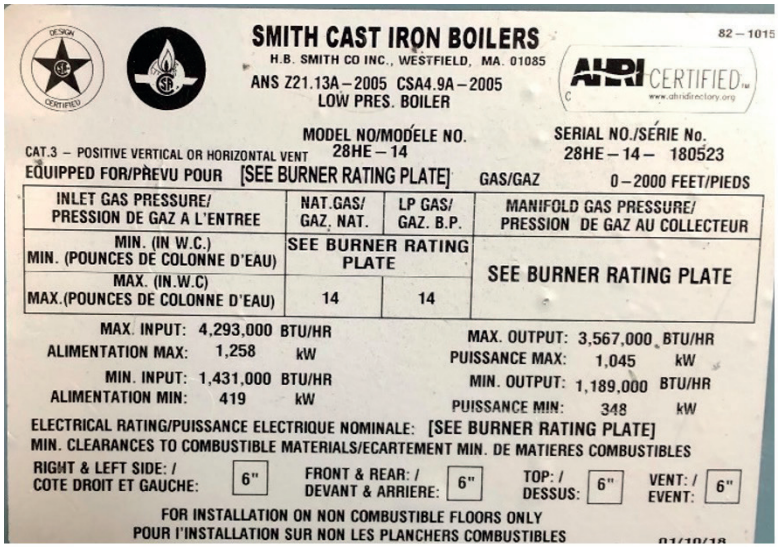


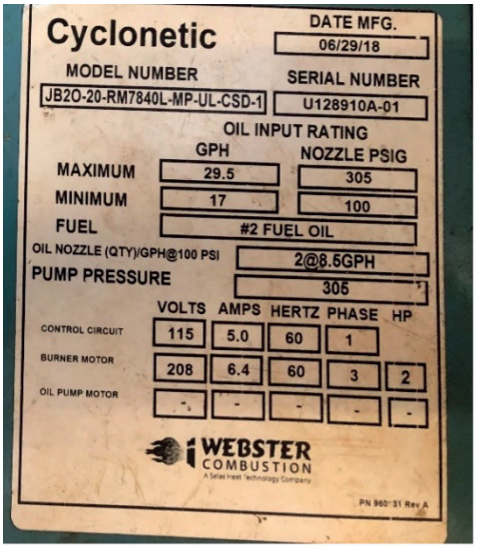
L- two cast iron oil fired boilers. C- Breechings with draft damper ties into existing mansory chimney. R- chimeny and chiney cap on roof.



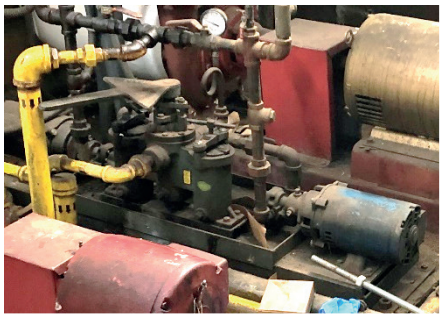


HB Smith Boiler and oil burner nameplates show that they were installed in 2018 (4 years ago), and each has 4.29 million BTUH input.



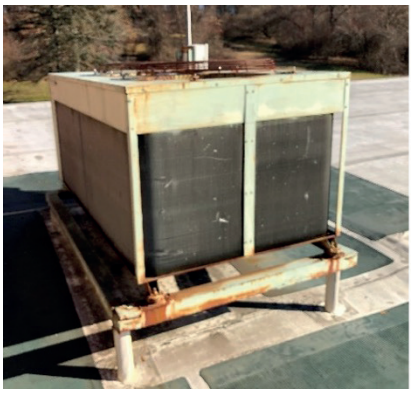


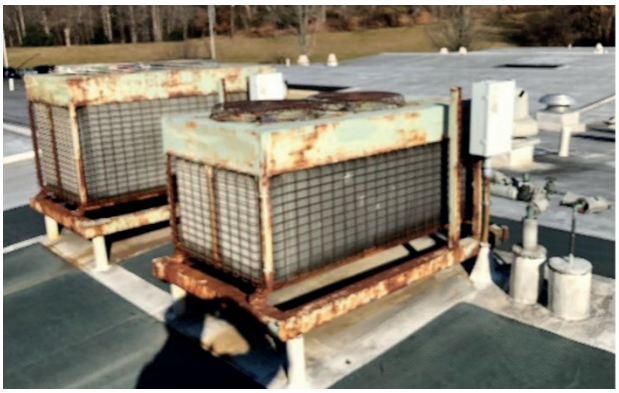
HB Smith Boiler and oil burner nameplates show that they were installed in 2018 (4 years ago), and each has 4.29 million BTUH input.



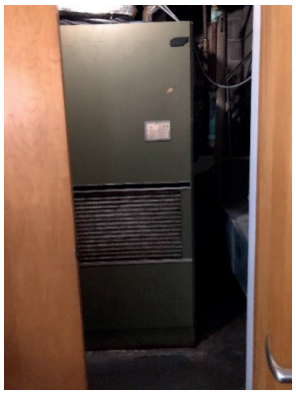
L - a 10,000-gallon underground fuel oil storage tank just outside the boiler room serves the space heating boilers; a 280-gallon underground tank serves the generator. C - Veeder-Root fuel oil level meter. R - fuel oil transfer pump set.

Pumps - main dual temperature duplex B&G 310 GPM @95' head. High temperature loop 140 GPM at 95' head. High temperature water for cafeteria and DHW 20 GPM @ 30' head.





Original vintage air cooled condensing units, which amazingly are still operational, though doubtul reliably or with anyway near the full capacity.



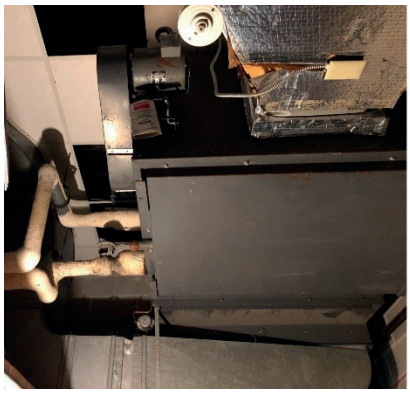
Typical original vintage vertical indoor Trane air handling unit.

SERVICE CARD DATA

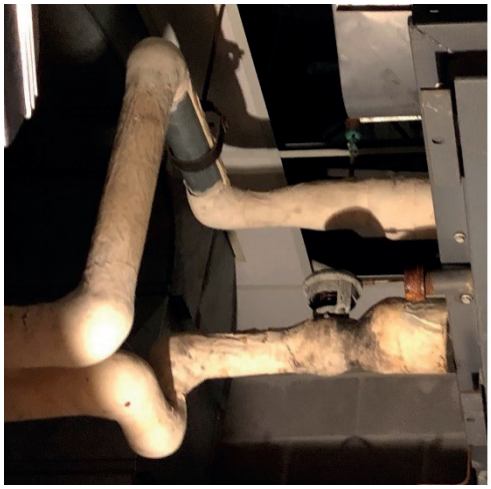
UNIT # H-6 (4) 15x20 MECH. RM. # _____

DATE	FILTERS REPLACED		LUBED	V-BELTS ADJ'D.	MECH.'S INIT'LS	DAMPERS LUBED
	PRE	FINAL				
1-6-09		changed		checked	KS/JML	
7-7-09		changed		checked	JML	
1-29-10		changed		checked	JML	
1-10-12		changed		changed	JML	
3-20-13		changed		checked	JML	
11-26-14		Checked		"		
2/18/16		changed		changed	"	
6/2018		✓		✓	DWP	
8-27-20		Changed	oil	/	S.P	Condensation pan full. Snorkel

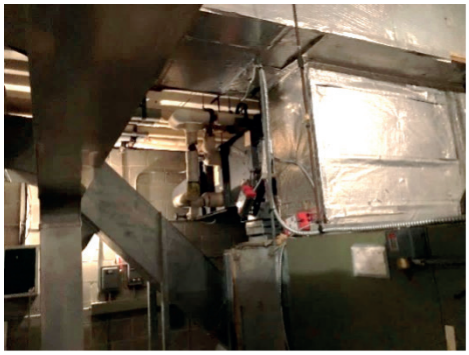
Service card recording that it was diligently serviced.



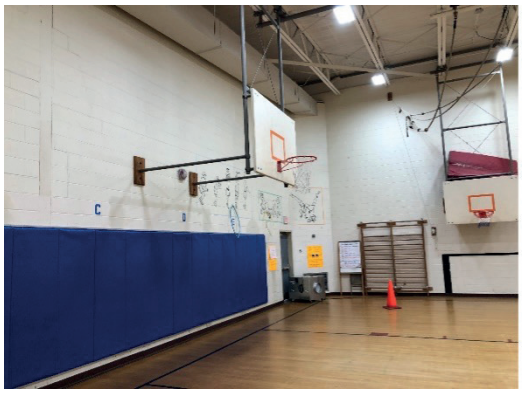
L & C - Other original vintage indoor AHUs, horizontal type. R - this particular one has some duct tape to keep together, and note the ACM insulation on pipe elbows.



More examples of ACM.

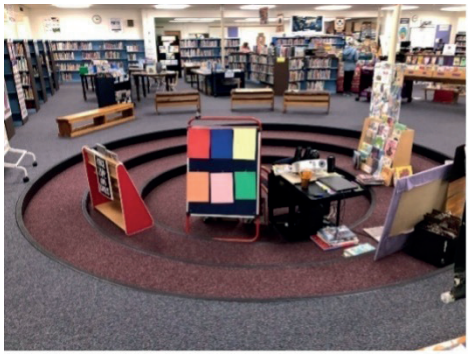


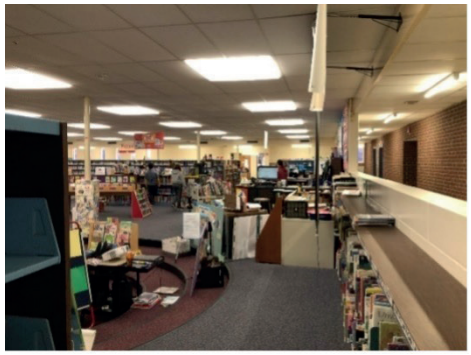
Air handling systems in the mechanical mezzanine, accessible from the Gym.



Gymnasium with a folding dividing wall.

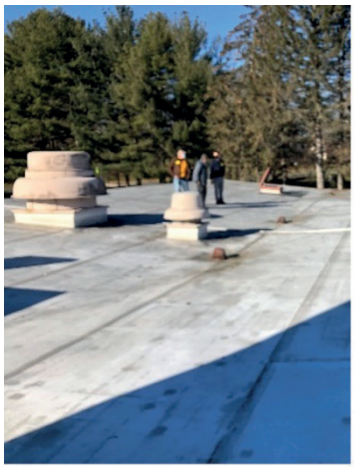
L - large portable HEPA filter unit in Gym. R - smaller and quieter poratble HEPA filter units were found throughout the school.





Central Library area is served by an air handling system.

L & C - classrooms have original vintage Trane unit ventilators.



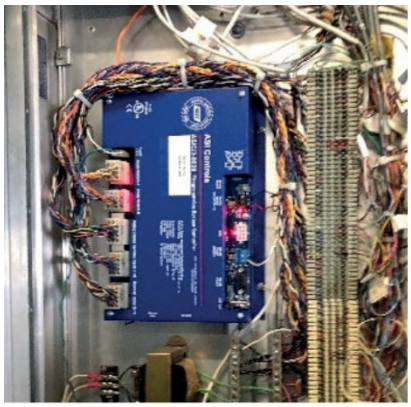
L - classroom low exhaust grille. R - original vintage roof exhaust fans.

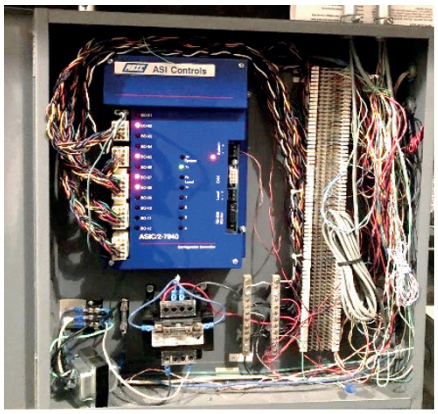
L- unit ventilator intake louver is just a few inches above ground, prone to grass and debris ingestiong; leading to plugged up screens. R- many windows were opened during the cold day.

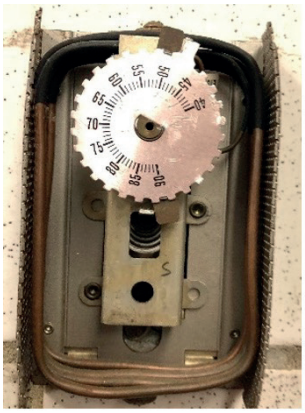
L - kitchen cooking line exhaust hood; the filters are non-Code- compliant mesh type, and does not have Code mandated Ansul system. R - make up air is untreated (filtered or heated) through intake louver… understandably during summer it is hot and humid, but during winter the kitchen becomes freezing cold.

L - only means of heat in the kitchen is this hot water unit heater. R - dishwasher, and exhaust ducts up.

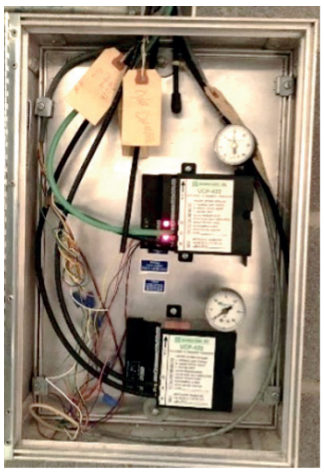
L - pneumatic control air compressor. C - pneumatic air dryer. R - Original pneumatic control panel.





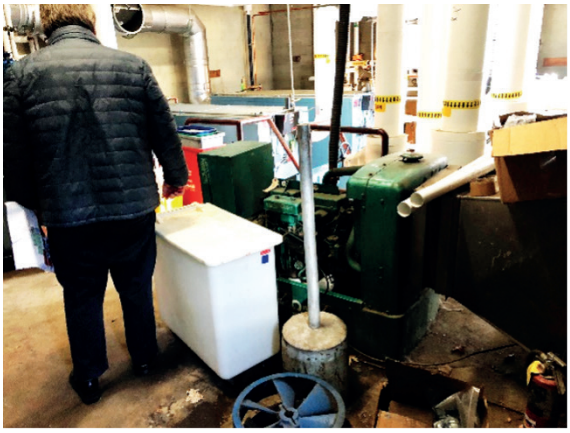


L & C - DDC controllers, showing that some parts of the controls have been modified. R - original vintage pneumatic thermostats are throughout the school.



L - at least one of the control panel shows E-P (electronic- pneumatic) transducers, suggesting that DDC conversion, at least part, was made using the original pneumatic actuators. R - other AEM DDC control panels.

L & C - pneumatic control valves. R - pneumatic control damper.



Small Onan diesel generator- mechanical component is its fuel system. air louvers, and exhaust stack.

Remaining Useful Life:

	BOMA Useful	Actual Years	BOMA Remain	
Components	**Years in Life (Yrs.)**			**Comments**
Air handling units	25	49	-27	
Boilers, cast iron	30	11	+26	
Cabiinet heaters	20	49	-32	
Convectors, fintube	15	49	-37	
Unit heaters	20	49	-32	
Ductwork	30	49	-22	
Fans	20	49	-32	
Chiller	20	49	-32	
Pumps	25	11	+5	Age estimated
Controls	20	49	-32	DDC is newer
Piping	30	49	-22	
Boiler metal flues	20	11	+16	
Masonry chimney	50	52	+2	

PLUMBING

Overall Description:

1. System is original 1970 vintage.
2. Potable water is connected to the municipal system but does not have Code mandated backflow preventor.
3. Sanitary drain system is connected to the municipal system.
4. Fixtures have been repaired/ replaced as they have failed.
5. Indirect domestic hot water heater (boiler has to operate year-round just for this!).

Photo Essay:

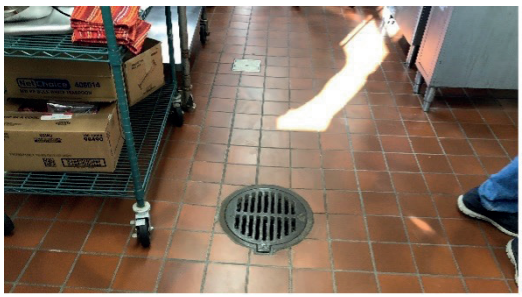
L - Water service comprising of water meter and pressure regulator, suggesting that they have more than 80 psig feed. Note that there is not backflow preventor. R - indirect domestic hot water heater.

L- roof drain does not have overflow, are connected to internal conductor pipe, and to the under-slab piping to outsdide the building. R- roof edge does not have parapet.

L - dishwasher. R - note the feeder table disposal and backflow preventor.

L - Pot sink #1. R - grease trap is underslab and can be serviced.

L - Pot sink #2. R - this one also has underslab grease trap but would be pretty difficult to service.

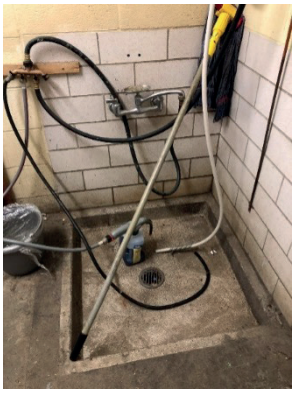


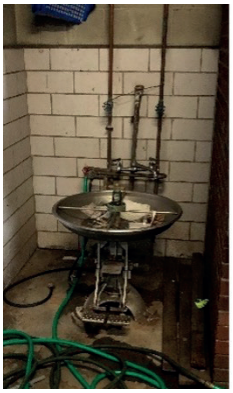
Kitchen floor drain.

Fixtures are in fair shape, but not all bathrooms have accessible fixtures.

Inspection of several sinks showed that pipes were recently replaced.

Accessible water coolers and bottle fillers.





Janitors sink, Mop Receptor, and Can Washer.

Remaining Useful Life:

	BOMA Useful	Actual Years	BOMA Remain	
Components	**Years in Life (Yrs.)**			**Comments**
Water heaters, indirect	15	5	+10	Estimated
Fixtures	30	52	-22	Faucets were replaced as needed
Potable water piping	30	52	-22	
Wastewater piping	30	30	-22	
Stormwater piping	30	30	-22	
Gas piping, LP, threaded	30	52	-22	

FIRE PROTECTION

Overall Description:

1. This building has not sprinkler system for the general area.
2. Kitchen hood does not have Ansul system.
3. Both of the above Code requirement must be met.

ELECTRICAL

Existing Conditions Evaluations

The building was constructed in 1970 and the electric service equipment, generator and fire alarm system are the original equipment. The building electrical equipment and systems are over 50 years old and well past their life expectancies. The electrical systems have been maintained by the owner over the years, however they do not properly support current educational needs.

Electrical Service

The incoming underground primary underground electric service emanates from a pole on Strong Street. It serves a pad mounted transformer located on school property located adjacent to the switchboard which is located in the janitor's work room. Utility meter is located adjacent to the main switchboard. Pad mounted transformer and primary electric service cables were installed and maintained by Western Mass Electric, now Eversource.

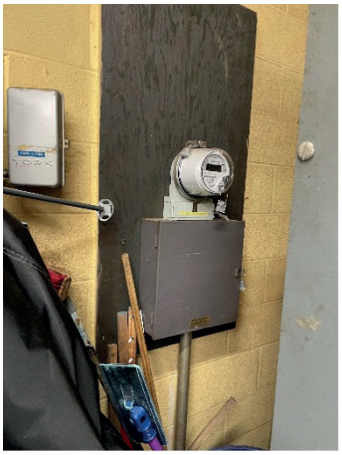
Pad Mounted Transformer

Electrical Distribution

The switchboard is rated at 2000-amperes, 120/208-volts, 3-phase and consists of a main circuit breaker, CT cubicle, and two distribution sections. The switchboard is the original unit and was manufactured by Federal Pacific. The switchboard is located in the first floor janitor work room. A staff member stated that the circuit breaker serving the chiller failed several years ago and was replaced.

The existing switchboard is located in the janitor's work room and does not meet current code requirements for working space, egress, and separation from non-trained staff.

Despite being maintained by the owner; the switchboard would be rated in poor condition, due to age and being manufactured by Federal Pacific.



During our walk-through of the building, it appeared to us that the Federal Pacific panelboards and associated feeders have not been upgraded or replaced. We did notice that a newer panelboard was installed to serve selected new loads.

Receptacle and lighting panels are located in the corridors between the original open concept classrooms. Panels are recessed mounted into the corridor CMU walls. HVAC panels are located in storage rooms through the building. These panels are surface mounted. There are several panels with a split bus set up

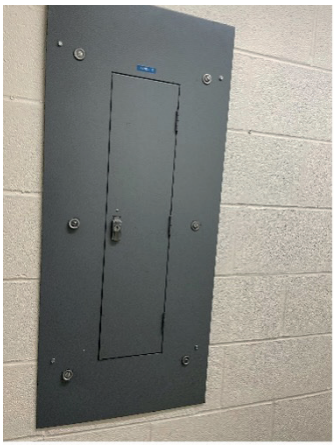
There does not appear to be any spare capacity or breakers in most 208V panels for additional receptacles.

Based on life expectancy and Federal Pacific, the panelboards would be rated to be in poor condition.

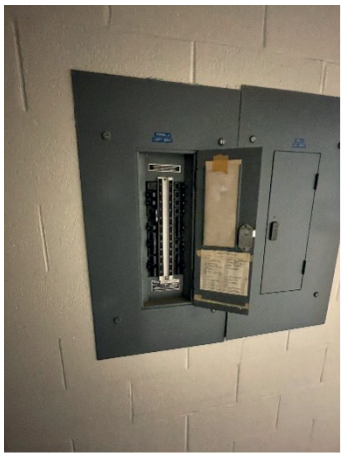
Federal Pacific has been out of the switchboard and panelboard business for over thirty-five years. Federal Pacific equipment is notorious for very poor quality and high failure rates. The electric service equipment is past its life expectancy, is in poor condition and needs to be replaced.

Split Bus Panel

HVAC Panel



Corridor Panel



Corridor Panel

Emergency Light and Power System

The building is served by a 12.5 KW, 120/208V, 3-phase diesel emergency generator manufactured by Cummins. The generator, automatic transfer switch, and panelboards are located in the main boiler room and all equipment is original. The diesel tank is a single wall structure located in the boiler room.

The generator being installed in the same room as the normal electric service panels is a present day code violation. MA Electrical Code Article 700 requires the normal and emergency electrical equipment to be separated from normal power equipment. In addition, the generator location does not allow for code required work space for the generator and wall mounted electrical panels.

The emergency lighting consists of emergency only lighting fixtures. TEC did not observe the emergency lighting levels. Based on past experience, it is doubtful that all areas are properly covered by emergency lighting as required by code.

The generator is not sized to support the systems that are typically connected to emergency power in a present day school – communications, security system, kitchen refrigeration, HVAC systems.

The emergency electric service including generator, and automatic transfer switch are in poor condition. The generator and associated panels are almost 50 years old and well past its life expectancy, do not meet current life safety codes, and need to be replaced.

Generator

Transfer Switch

Emergency Only Fixture

Lighting Systems

There are multiple types of lensed lighting fixtures in the building:

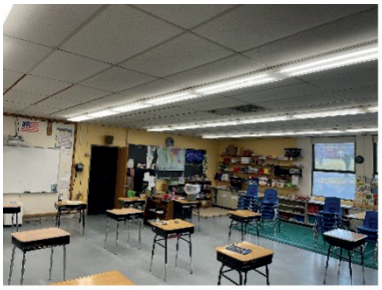
- Linear 1'x4' surface mounted fixtures with wrap around lens in most classroom.
- 2'x4' lens troffers in some classrooms and cafeterias.
- 18"x24" pendants with wireguards in the gym
- 1'x4' lensed surface fixtures and 2'x4' parabolic in offices
- Corridors: pendants and 1"x4" surface linear fixtures.

During utility retrofit programs, fluorescents lamps have been replaced with LED tube lamps or the fixture has been replaced with a LED fixture.

Overall quality of the lighting is fair to poor condition but the lighting creates glare. Glare was observed on whiteboards and computer screens.

All lighting appears to be controlled by local switches including corridors. Corridors are controlled by local switches. There are no occupancy sensors in most rooms in building. The building does not have any automatic lighting control systems.

Site lighting consists of LED retrofit fixtures on 30'-0" poles and retrofit LED wall mounted flood type lighting fixtures. Based on the layout observed, it is assumed that the site lighting does not completely cover the parking lot and walkways. Site lighting is control by the BMS system via a relay/contactor.



Typical Classroom

Cafeteria

Library

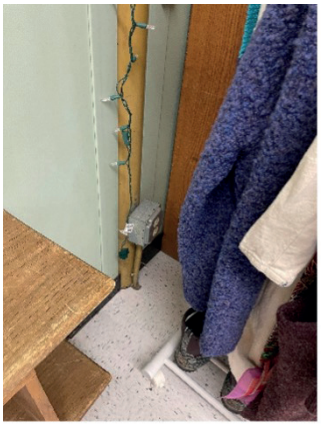
Corridor

Corridor - Normal and Emerg. Only

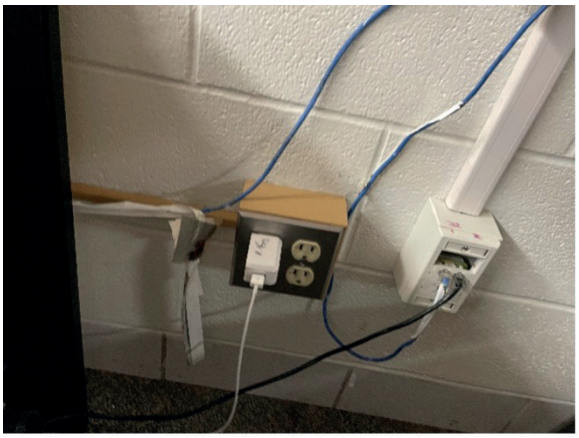
Receptacle Systems

There are a limited number of receptacles in all spaces including classrooms and offices. Originally, there was two to three receptacles in each classroom and observed two receptacles in many classrooms. The receptacles are of the grounded type.

Receptacles in surface mounted raceways have been added in classrooms and other spaces to meet increased power needs for technology, however the quantity of receptacles is insufficient for current classroom and office requirements.



Receptacle



Receptacle

Fire Alarm System

The building is not sprinkled. The fire alarm system consists of a control panel, annunciator, manual pull stations, heat detectors, and horn/strobe notification devices. The control panel is a Silent Knight IFP-50 panel located adjacent to the switchboard in the janitors work room. The original annunciator is located in the main entrance and we were unable to determine if it is 100% functional. The original master box is located on the exterior of the building.

There are multiple fire alarm system code violations:

- None of the pull stations are located within 5'-0" of the egress door jambs.
- Without a sprinkler system, the smoke detectors coverage should be 100% of all rooms. There is a very minimal number of smoke and heat detectors.
- The AV notification system provides very minimal coverage.
- Devices are not mounted at ADA heights.

TEC did not witness the fire alarm system operation and are unable to comment on its operation. However, the fire alarm system is obsolete and well beyond its life expectancy.

The fire alarm system is in poor to failing condition, well past its life expectancy and needs to be replaced.

Control Panel

Pull Station not at Door

Notificaton Devices

Exit Signs

There appears to be exit signs in all paths of egress. There are several different generations of exit signs in the building. Not all exit signs are internally illuminated. Overall exit signs conditions are fair.

Exit Sign

Non-illuminated

Security Systems

There is Aiphone audio/visual door entrance control system for the main entrance.

There is an intrusion alarm system using door contacts and key pads and the manufacture is DSC. All exterior doors have surface mounted magnetic door contacts. The system appears to be operational but TEC did not observe its operation. The intrusion alarm system is integrated with the BMS.

There is a card access system with card readers on selected exterior doors.


Keypad

Control Panel


Aiphone / Card Access

Communications / Technology

The building is connected to the middle school with six strands of single mode fiber and twelve strands of multi-mode fiber.

There is a limited voice/data network in the building. It appears one voice and one data outlet per classroom. There are voice/data outlets at office work station locations. All wiring is Cat 5. There are wireless access points throughout the building.

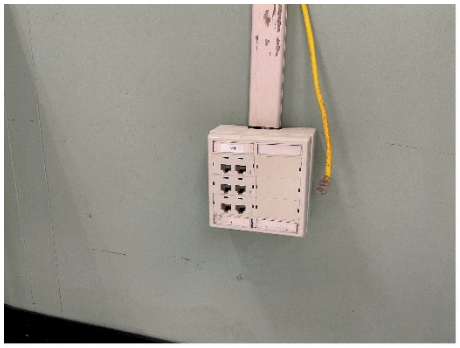
All wiring is CAT 5 and 5E and is installed in surface non-metal raceways (Wiremold).

There are three IDF racks in various storage rooms in the building. MDF equipment rack is located in storage room near the library.

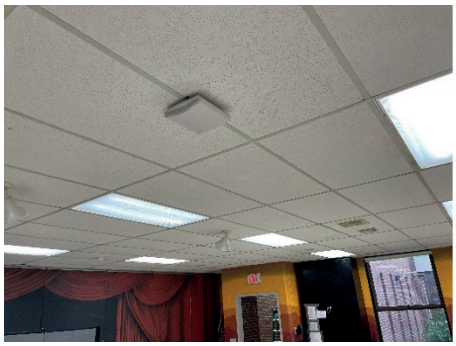
The building is served by a Yealink phones system with desk telephones in all offices and classrooms. In some classrooms the telephone is wall mounted.

A coax cable system was installed in 1970 and a second coax system was installed at least 25 years ago. Both systems are abandoned in place.

The communication systems are aged, very limited and insufficient for a present day school and should be replaced during a renovation project.



Data Outlet

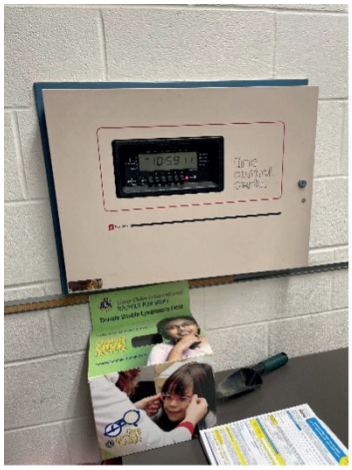


WAP

Phone with Friends

Master Clock System

The master clock system is a Simplex system with clocks in all classrooms and offices. The master clock controller is located in the front office. The system has failed and is abandoned in place. Battery operate clocks are installed in all classrooms and rooms.



Master Clock

Happy but Failed Clock

PA System

There is a PA system in the building. The PA controller is located in the main office. The head end was with a Bogen Multicom 2000 paging controller, however the existing wiring and speakers were reused. There are speakers in all classrooms, corridors and other spaces including exterior speakers.

TEC did not observe PA system operation and cannot comment on the quality of the sound. It is safe to assume that the areas with 50 year old speakers have issues with sound quality.

It was stated by Staff that there are no separate exterior speaker zones so all pages, bell tones, and announcements are made outside and there have been complaints from neighbors.

The PA System is aged, and insufficient for a present day school and should be replaced during a renovation project.

Wall Speaker

Corridor Wall Speaker

PA Rack

Local Sound Systems

There is a local sound system in the gym. System consists of a rack and ceiling mounted speakers. Rack is floor mounted in the gym and creates a safety issue. The system appears to be in poor condition. TEC did not observe operation but it is safe to assume that the quality of sound is low quality.

Sound Rack

Ceiling Speaker

1638-169

5 77

MASSACHUSETTS QUITCLAIM DEED INDIVIDUAL (LONG FORM) 862

KNOW ALL MEN BY THESE PRESENTS that, we
WEYMOUTH B. HEATH and JEAN L. HEATH, husband and wife,

of Amherst, Hampshire County, Massachusetts

being ~~married~~, for consideration paid, and in full consideration of $60,000.00

grants to THE INHABITANTS OF THE TOWN OF AMHERST, a municipal corporation located within the County of Hampshire, with its principal offices ~~at~~ at Boltwood Avenue, Amherst, Hampshire County, Massachusetts, with quitclaim covenants

the land in said Amherst, lying on the Easterly side of South East Street, a Town Way, more particularly bounded and described as follows:

[Description and encumbrances, if any]

Beginning at a granite bound marked No. 7 on the Easterly sideline of South East Street and located in the Northwest corner of a parcel now or formerly of one Hanks; thence with land of said Hanks S. 69° 08' E. one hundred sixty-six and seven tenths (166.7) feet to an iron pin; thence with land of said Hanks S. 10° 44' W. one hundred ninety-eight (198) feet to a fence corner post; thence with land now or formerly of one LaBroad S. 86° 47' E. one hundred seventy-six and four tenths (176.4) feet to a fence corner; thence continuing along the meandering fence and brush line of LaBroad S. 76° 21' E. one thousand seventy and forty-five hundredths (1,070.45) feet to an iron pin on the bank of Fort River; thence continuing S. 74° 26' E. twenty-eight (28) feet, more or less, to the center line of Fort River; thence following the course of the river Northeasterly a distance of fifty (50) feet, more or less; thence with land now or formerly of Stephen P. Puffer, Jr. et alii N. 74° 21' W. three hundred forty-five (345) feet, more or less, to an iron pin; thence with other land of said Stephen P. Puffer, Jr. et alii No. 23° 04' E. three hundred sixty-eight (368) feet, more or less, to an iron pin; thence with lands now or formerly of one Pickering, Mrs. Helen Barlow, George Howard, Albert Stevens and George Whitcomb N. 73° 41' W. nine hundred forty-five and sixty-one hundredths (945.61) feet to a line tree; thence with land formerly of May Bliss Dickinson Kimball, known as the Tavern property, S. 10° 15' W. fifty-six and five tenths (56.5) feet to an iron pin; thence with land of said Tavern property, so called, N. 74° 04' W. two hundred two and three tenths (202.3) feet to an iron pin on the Easterly sideline of South East Street; thence with said sideline of South East Street S. 23° 04' W. two hundred and four tenths (200.4) feet to the point of beginning; containing 10.50 acres.

See "Property Plan, J. C. Heath", Amherst, Mass., dated September 1950, Compton-Gowdy, Reg. Prof. Engrs., recorded with Hampshire County Registry of Deeds Plan Book 36, Page 31.

Being all the same premises described in deed of Weymouth B. Heath to Weymouth B. Heath and Jean L. Heath, dated June 16, 1971, recorded with Hampshire County Registry of Deeds, Book 1599, Page 532.

COMMONWEALTH OF MASSACHUSETTS DEEDS EXCISE JUN 1972 9780

COMMONWEALTH OF MASSACHUSETTS DEEDS EXCISE JUN 1972 9900

(*Individual — Joint Tenants — Tenants in Common — Tenants by the Entirety.)

1638-170

Witness our hands and seal this 24th day of May 19 72

Weymouth B. Heath

Jean L. Heath

The Commonwealth of Massachusetts

Hampshire ss. May 24, 19 72

Then personally appeared the above named Weymouth B. and Jean L. Heath

and acknowledged the foregoing instrument to be their free act and deed, before me.

Estelle M. Matucka
Notary Public

My Commission Expires July 8 19 77

June 7,1972 at 9 O'clock and 38 minutes A.M. Rec'd,Ent'd and Exam'd.

ESTELLE M. MATUSKO NOTARY PUBLIC COMMONWEALTH OF MASSACHUSETTS MY COMMISSION EXPIRES JULY 8, 1977

4164

1464-123

ORDER OF TAKING

KNOW ALL MEN BY THESE PRESENTS, that the subscribers, NORMAN G. MacLEOD, HOWARD W. ATKINS, H. HILLS SKILLINGS, WILLIAM P. RACKLIFFE and WALTER C. MARKERT, the Board of Selectmen of the Town of Amherst, in the County of Hampshire and The Commonwealth of Massachusetts, acting under the authority of and in accordance with Chapter 79, and Section 14 of Chapter 40 of the General Laws of The Commonwealth of Massachusetts, by virtue of the authority conferred upon them by votes under Article 21 of the Warrant for the Annual Town Meeting held March 1, 1965, and under Articles 5 and 6 of the Warrant for the Special Town Meeting held June 2, 1965, and any and every other power and authority in anywise enabling, do hereby take in fee for and in behalf of the Inhabitants of The Town of Amherst, with the structures and trees thereon those certain tracts or parcels of land within the Town of Amherst, and all right, title and interest therein not already appropriated to public use, described below, for school purposes:

FIRST TRACT: That certain parcel of land in Amherst, Massachusetts, lying southerly of Strong Street, a Town Way, Northerly of High Street (also known in part as Chestnut Street), a Town Way and more particularly bounded and described as follows:

Beginning at a point in the southerly sideline of Strong Street, said point being N. 76° 32' 07" W. a distance of 55.30 feet from a stone bound marking an angle point in the southerly sideline of Strong Street opposite angle point six in the layout description of Strong Street, said point of beginning marking the northwesterly corner of land of Amherst Cemetery Association and the northeasterly corner of the parcel described herein; thence S. 11° 32' 20" W. a distance of 131.49 feet to a point; thence S. 22° 24' 40" E. a distance of 331 feet to a point; thence N. 75° 20' 20" E. a distance of 200 feet to an iron pipe, the last three courses being along land of said Amherst Cemetery Association;

From the office of
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ATTORNEY AT LAW
49 S. Pleasant St.
Amherst, Mass.

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thence S. 14° 09' 42" E. along land of William Starkweather, along land of G. Stanley and Gene M. Koehler, along land of G. H. and Janet G. Snoeyenbos, along land of Ward S. and Dona D. Motts, along land of William F. and Helen L. Field, along land of Henry H. and Ruth C. Skillings, and along land of Janet Brown Ennis Brydon a distance of 1,079.29 feet to a concrete bound; thence S. 0° 51' 14" W. along land of Gerald P. and Joanne Y. Brophy a distance of 323.13 feet to an iron pipe; thence S. 10° 53' W. along land of Theodore C. and Elizabeth R. Caldwell a distance of 137.32 feet to an iron pipe; thence S. 20° 18' 01" W. along land of Raymond H. and Helen M. Perry a distance of 130.54 feet to an iron pipe; thence S. 15° 25' W. a distance of 61.46 feet to an iron pipe; thence S. 8° 53' 03" W. a distance of 57.80 feet to an iron pipe, the last two courses being along land of Herbert D., Jr, and Grace Rollason; thence S. 8° 25' 55" W. along land of John E. and Martha H. Roberts a distance of 145.69 feet to an iron pipe; thence N. 69° 33' 22" W. a distance of 103.16 feet to an iron pipe; thence S. 10° 25' 30" W. a distance of 59.84 feet to an iron pipe, the last two courses being along land of Susan Skillings; thence N. 16° 16' 26" W. a distance of 149.44 feet to a stone bound; thence N. 31° 39' 06" W. a distance of 63.36 feet to a point; thence N. 68° 32' 34" W. a distance of 387.78 feet to a point; the last three courses being along the northerly sideline of said High Street; thence N. 19° 28' 01" E. a distance of 224.70 feet to an iron pipe; thence N. 67° 42' 38" W. a distance of 107.24 feet to an iron pipe, the last two courses being along land of Robert S. and Ruth H. Hosford; thence N. 64° 59' 23" W. along land of John J. and Margaret A. Coty a distance of 18.86 feet to an iron pipe; thence N. 22° 43' 34" E. along land of Victoria D. Mientka et al, and along land of Herbert M. and Lillian T. Costigan a distance of 479.23 feet to an iron pipe; thence N. 65° 08' 47" W. along land of said Costigan a distance of 114.47 feet to an iron pipe; thence N. 22° 12' 20" E. a distance of 389.24 feet to an iron pipe; thence N. 70° 17' 50" W. a distance of 881.23 feet to an iron pipe, the last two courses being along land now or formerly of Mary W. Hawthorne; thence N. 18° 35' 56" E. along land of George R. Hawthorne and along land of Ronald E. and Marguerite M. Smith a distance of 607.82 feet to a point; thence N. 84° 41' 18" E. a distance of 315.59 feet to a stone bound; thence S. 76° 32' 07" E. a distance of 250.23 feet to the point of beginning and containing 30.7642 acres, the last two courses being along the southerly sideline of Strong Street.

SUBJECT TO a 60 foot right of way reserved in deed of Susan Hills Skillings to Walter D. Cowls, dated January 10, 1917, and recorded in Hampshire County Registry of Deeds, Book 728, Page 445, and further subject to the easement conveyed to the Amherst Gas Company by deed of Walter D. Cowls, dated April 30, 1917,

From the office of
PAUL T. FORD
ATTORNEY AT LAW
49 S. Pleasant St.
Amherst, Mass.

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and recorded in said Registry of Deeds, Book 731, Page 517, and the easement of the Amherst Gas Company reserved in the aforesaid deed from Susan Hills Skillings to said Walter D. Cowls.

Title to said tract or parcel of land is in W. D. Cowls, Inc. a Massachusetts corporation having its usual place of business in said Amherst and is part of the tract or parcel of land described in deed of Gerald D. Jones et alii to said W. D. Cowls, Inc., dated January 12, 1956, and recorded in Hampshire County Registry of Deeds, Book 1213, Page 346, and is more completely shown on a plan entitled, "Two Parcels Of Land In Amherst, Mass. Surveyed For Inhabitants Of Amherst", dated April 30, 1965, Gordon E. Ainsworth & Associates, Registered Land Surveyors, to be recorded with Hampshire County Registry of Deeds, and is subject to a right of way to Western Massachusetts Electric Company as shown on said plan.

SECOND TRACT: That certain tract or parcel of land situate in Amherst, Mass., lying northerly of a way known as Clark Avenue and more particularly bounded and described as follows:

Beginning at an iron pipe in the Northerly line of land of Herbert M. and Lillian T. Costigan, said pipe being N. 65° 08' 47" W. a distance of 114.47 feet from an iron pipe marking the northeasterly corner of land of said Costigan and said point of beginning marking the southeasterly corner of the parcel described herein; thence N. 68° 19' 21" W. along land of said Costigan and along the Northerly sideline of said Clark Avenue a distance of 857.82 feet to a point; thence N. 18° 35' 56" E. along other land of Mary W. Hawthorne a distance of 359.37 feet to an iron pipe at the southeasterly corner of land of George R. Hawthorne; thence S. 70° 17' 50" E. a distance of 881.23 feet to an iron pipe; thence S. 22° 12' 20" W. a distance of 389.24 feet to the point of beginning and containing 7.4668 acres, the last two courses being along land now or formerly of W. D. Cowls, Inc.

SUBJECT TO a right of way to the Western Massachusetts Electric Company as shown on the aforementioned plan.

From the office of
PAUL T. FORD
ATTORNEY AT LAW
40 S. Pleasant St.
Amherst, Mass.

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Title to said tract or parcel of land is in Mary W. Hawthorne of said Amherst, and is part of the tract or parcel of land described in deed of Agnes M. Hawthornthwaite, dated June 29, 1944, and recorded in Hampshire County Registry of Deeds in Book 983, Page 394.

DAMAGES

For damages sustained by persons in their property by reason of the said taking, the following awards are made; said awards to be paid by the Town of Amherst.

Supposed Owner or Owners	Award	Local Real Estate Tax Apportionment	Total Damages
W. D. Cowls, Inc.	$39,993.46	$178.88	$40,172.34
Mary W. Hawthorne	$9,706.84	$19.43	$9,726.27

IN WITNESS WHEREOF the Board of Selectmen of the Town of Amherst have signed the foregoing Order of Taking this 15th day of June, 1965.

Norman L. MacLeod

Howard D. Atkins

Walter C. Markert

Hollis Skillings

William P. Rankin

Board of Selectmen

June 15,1965 at 3 0'clock and 45 minutes P.M. Rec'd, Ent'd and Exam'd.

From the office of
PAUL T. FORD
ATTORNEY AT LAW
49 S. Pleasant St.
Amherst, Mass.

PARE CORPORATION

February 22, 2022

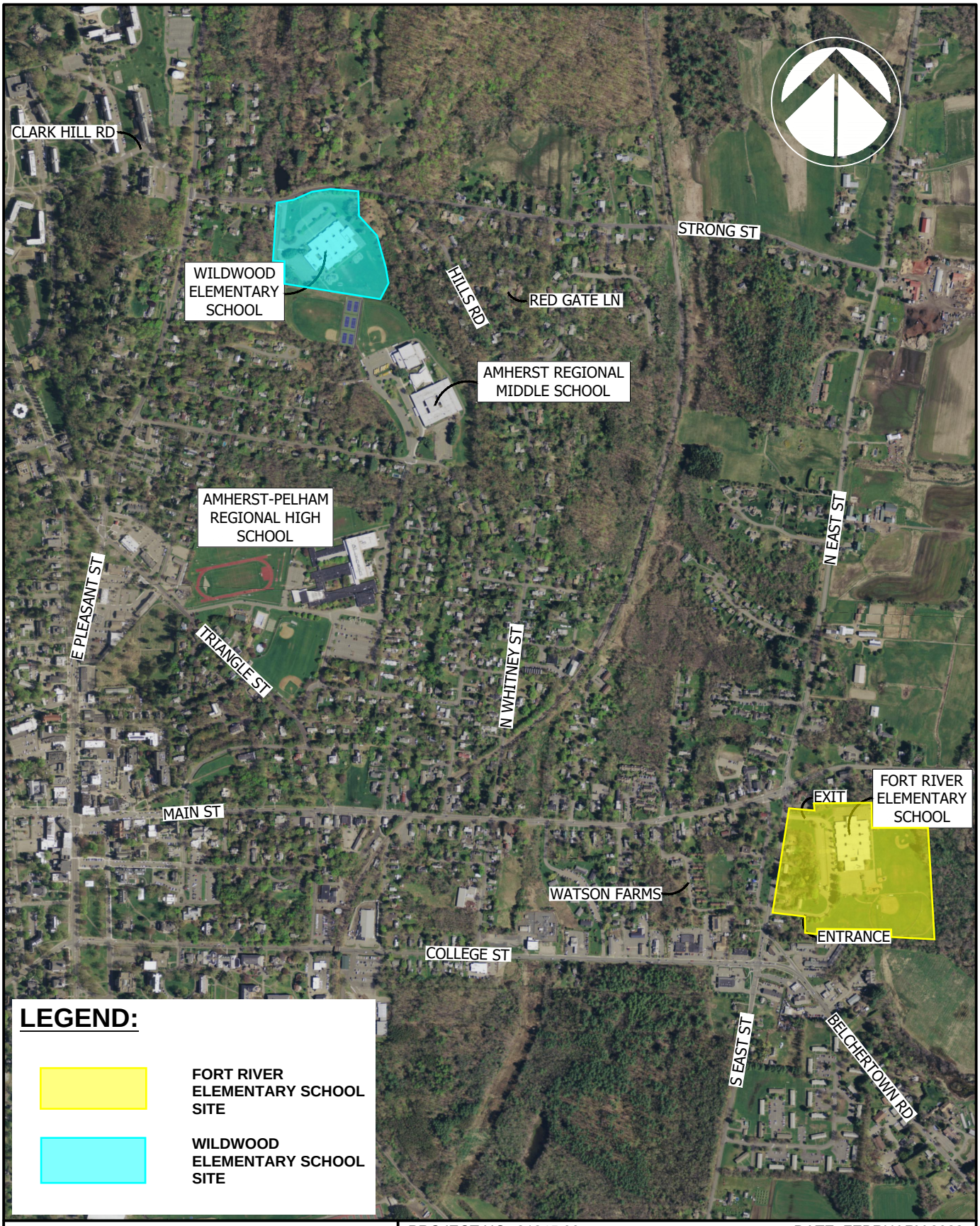
Ms. Donna DiNisco, Principal
DiNisco Design
99 Chauncy Street
Boston, MA 02111

Re: **Professional Traffic Engineering Services**
Existing Conditions Report
Fort River & Wildwood Elementary Schools
Amherst, Massachusetts
Pare Project No. 21245.00

Dear Ms. DiNisco:

Pare Corporation (Pare) has completed an existing traffic conditions assessment for the proposed elementary school replacement project in Amherst, MA. Pare understands that the Town of Amherst is pursuing the construction of a new elementary school to replace the aging Fort River Elementary School and Wildwood Elementary School. It is anticipated that the new school will accommodate 575 students upon completion. The grade structure at the new school is expected to include kindergarten through grade five, however, this is susceptible to change as the project progresses and the needs of the Town continue to be assessed. The two sites under consideration for the new school are identified in Figure 1 and include the existing Fort River Elementary School site and the existing Wildwood Elementary School site.

This assessment has been completed to gain an understanding of the traffic operations at the existing schools and identify transportation related opportunities and constraints at each of the potential sites. The report includes a summary of the observations at each site during the morning arrival period and the afternoon dismissal period. A parking inventory during school hours has also been provided for each of the two existing school sites.



PROJECT NO. 21245.00 DATE: FEBRUARY 2022

PARE

FIGURE 1
LOCUS MAP

AMHERST ELEMENTARY SCHOOL
AMHERST, MASSACHUSETTS

FORT RIVER ELEMENTARY SCHOOL

The existing Fort River Elementary School, located at 70 South East Street, is situated on the east side of South East Street between the signalized intersections of South East Street/Main Street and South East Street/College Street. Fort River Elementary currently has an enrollment of 351 students and approximately 90 faculty/staff members. Access to/from the site is provided via two driveways on South East Street. Circulation on the site generally operates in a one-way counterclockwise pattern with the southern driveway operating as entry-only and the northern driveway operating as exit-only. The southern site driveway is located directly opposite Watson Farms, forming a four-way intersection. The north driveway intersects South East Street approximately 200' south of the Main Street signalized intersection. The site contains two parking lots, one located west of the school building, and one located south of the school building. There is a combined total of 136 marked parking spaces between the two lots.

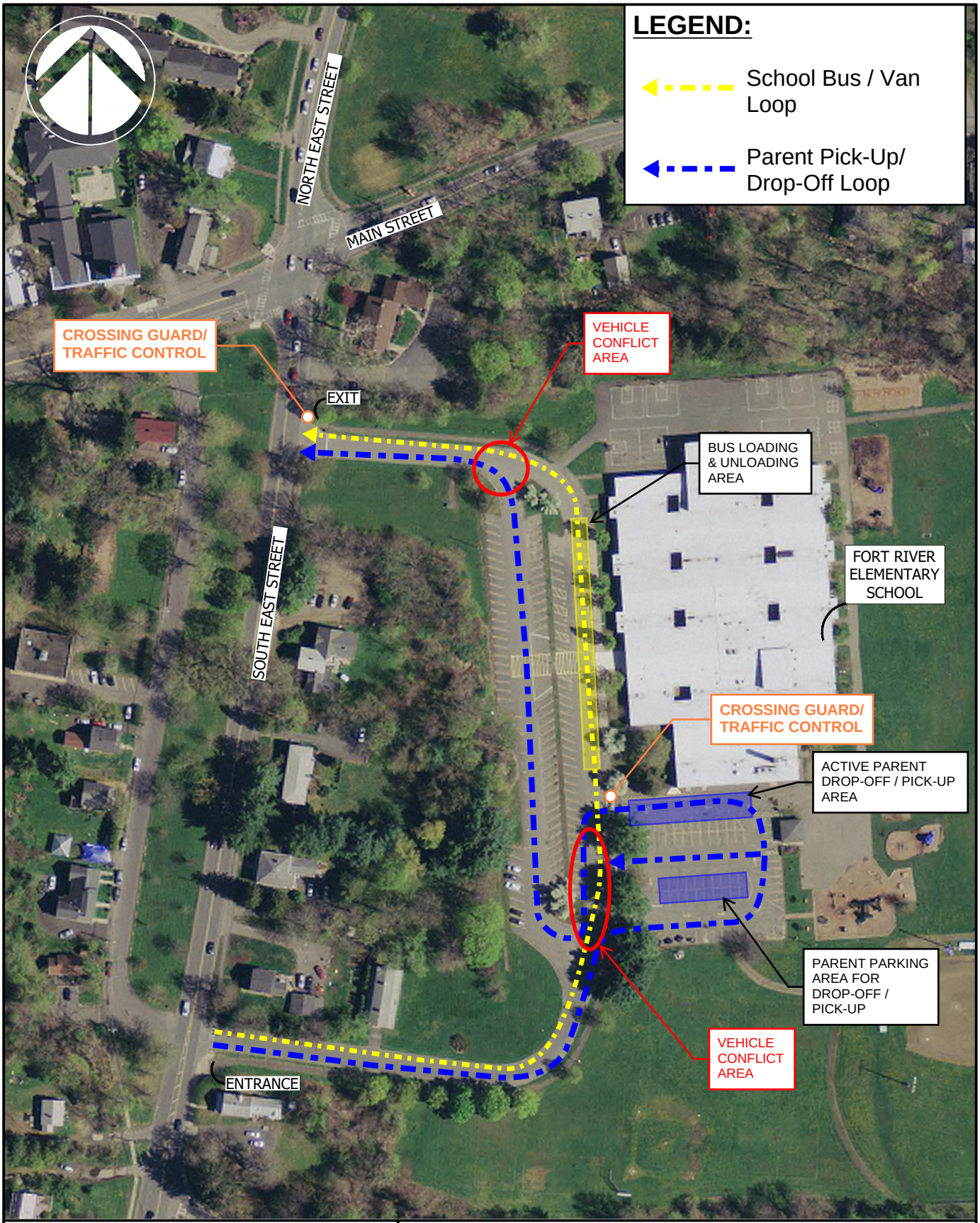
Arrival and Dismissal Operations

A review of the existing traffic conditions at and around the school were completed through field observations conducted during school arrival and dismissal periods. Parking occupancy was also recorded at the two school parking lots. All observations at the Fort River Elementary School were conducted on Wednesday, February 2, 2022, during typical school operations. The following describes the traffic operations observed at the school with supplement photos providing additional details. Additionally, **Figure 2** graphically displays the arrival and dismissal operations of the school.

During the morning arrival period, traffic circulation on the site generally operates in a one-way, counterclockwise loop for school bus, van, parent, and faculty/staff operations. The bus/van drop-off is separated from the parent drop-off location. Buses and vans are directed towards the front of the school for drop-off (**Photo 1)** while parent drop-offs are directed towards the southern parking lot (**Photo 2)**. Parents loop through the southern parking lot, dropping-off children along the south side of the building. Parents are also provided with an alternate drop-off method. A section of the southern parking is dedicated to parents who prefer to park and walk their child to the building. This operation appeared to occur more frequently with younger children as they generally require a longer and more involved drop-off process. Students then enter the building through entrances across the front of the building or progress into the building at the southeast corner.

After parents drop-off their child, they continue along the south side of the building to exit the southern parking lot. As the parent driver vehicle reaches the north/south drive aisle at the front of the building, they are controlled by a crossing guard. The crossing guard stops the exiting vehicle to ensure no buses are approaching the front of the school from the site entrance driveway. Once directed by the crossing guard, the parent driver then makes a left-turn from the southern lot, followed by an immediate U-turn to the right, heading northbound in the western parking aisle to proceed to the site exit driveway. While this operation is fairly effective, it can be difficult for the crossing guard to properly control when parent vehicles are simultaneously exiting the southern parking lot from both the active drop-off area and the parent parking area as the two driveways are separate. **Photo 3** captures the morning parent drop-off pattern in this area of the site.

As parent traffic and bus/van traffic proceed to the northern site driveway to exit, there is a point at the northern end where the two traffic loops intersect. There is no existing internal signage to indicate which drive aisle approach has the right-of-way. Despite this conflict point being noted from a traffic control standpoint, no issues presented themselves during the field observations.



PROJECT NO. 21245.00 DATE: FEBRUARY 2022

PARE

FIGURE 2

CIRCULATION MAP

FORT RIVER ELEMENTARY SCHOOL
AMHERST, MASSACHUSETTS

During the morning dismissal period, operations at the northern site driveway and the signalized intersection of South East Street and Main Street were observed to determine if vehicle queues from the signal impacted operations at the site driveway. The southern leg of the intersection (South East Street) contains two approach lanes, one dedicated to left turns and one dedicated to right-turn and thru movements. The longest queue observed during the morning arrival was 10 vehicles in the right and thru lanes, and seven (7) cars in the left lane. A queue of this length just reached the school exit driveway. During the afternoon, the queue at the signal was typically 5 vehicles in length and had little impact on the school exit driveway operations. Buses exiting the site onto South East Street were split approximately 50% heading northbound and 50% heading southbound.

The afternoon dismissal procedure operates in a similar pattern to the morning arrival procedure. The one difference in operations occurs at the parent pick-up area. During the afternoon dismissal period, two parent pick-up lanes form in the south parking lot, operating side-by-side through the loop. The two lanes are divided by grade with kindergarten and Grade 1 in the right lane and Grades 2-6 in the left-lane (**Photo 4**). This allowed the younger students, who generally require more loading time and assistance, to load separately without impacting parents picking-up older students. Parents are also allowed to park and walk to meet their child, similar to the morning operation.

Additional Observations

Several additional observations regarding traffic circulation and safety were noted by Pare during the field review and include the following:

- At no time during the arrival or dismissal period did the parent vehicle queue exceed the limits of the southern parking lot. The southern parking lot provided ample space for the parent drop-off and pick-up operations.
- Flashing school speed limits signs were observed on South East Street, however, they were not functioning. The signs (**Photo 5**) appeared to be fairly new equipment with solar power systems. The crossing guard noted to Pare that they were installed in Summer 2021 but he had yet to see them functioning.
- School zone related signage in the area does not meet the standards as included in the Massachusetts amendments to the MUTCD. Some signage in the area is out of conformance (**Photo 6**) while some standard signage is lacking.
- Pare noted that the vehicle queue at the intersection of South East Street and Main Street occasionally reached lengths that impacted operations at the site exit driveway during the morning arrival period. In the event that the new elementary school be constructed on this site, resulting in more students than currently exist, traffic at the signalized intersection and driveway would increase. This would likely result in greater conflict between the school exit driveway and the queue formed at the adjacent signalized intersection. (**Photo 7**)
- Several students were observed walking to/from school, however, no students were observed biking. This could be attributed to the time of year as students may be more inclined to bike during warmer months. (**Photo 8**)

Photo 1: Signage placed to indicate only buses have access to the front of the building during arrival and dismissal.

Photo 2: Signage placed to indicate parent pick-up/drop-off circulation loop.

Photo 3: Active parent drop-off. The red SUV about to enter the southern parking lot, the silver sedan has just exited the southern parking lot, and the black SUV is performed the U-turn to advance to the exit driveway.

Photo 4: Signage to indicate grade split for parent pick-up, only present in the afternoon.

Photo 5: Flashing school speed signs on South East Street are not functioning.

Photo 6: School zone signage along South East Street does not meet MUTCD standards.

Photo 7: Approximately 200' separate the site exit driveway from the South East Street/Main Street intersection. Greater traffic volumes in the area could result in the queue from the signal extending beyond the driveway more frequently.

Photo 8: A bike rack is located on the site but was not used.

Traffic Volume Data

Pare recorded the quantity of parent vehicles, school buses, vans and pedestrians during the morning arrival period and afternoon dismissal period. These quantities are presented below in **Table 1**.

Table 1: Fort River Elementary School Observed Trips

Period	Parents Drop-offs/ Pick-ups	Pedestrians	Buses	Vans/Short Buses
Morning Arrival	82	6	7	4
Afternoon Dismissal	60	6	7	2

Parking Survey

Parking space occupancy was recorded following the school start time (shortly after 8:20 A.M.) and prior to the school dismissal (approximately 2:15 P.M.). **Table 2** below shows the results of the parking inventory.

Table 2: Fort River Elementary School Parking Summary

Period	Occupied Spaces	Vacant Spaces	Total Parking Spaces
Morning	87	49	136
Afternoon	85	51	136

WILDWOOD ELEMENTARY SCHOOL

The existing Wildwood Elementary School, located at 71 Strong Street, is located on the south side of Strong Street approximately 700 feet east of the Strong Street/East Pleasant Street intersection. Wildwood Elementary currently has an enrollment of 344 students and approximately 95 faculty/staff members. A single, two-way driveway from Strong Street provides the only access to/from the site. This driveway also provides access to/from the Amherst Community Childcare Head Start daycare facility, located southwest of the Wildwood Elementary School. One parking lot is located on the north side of the school building, situated between Strong Street and the front of the building. A second parking lot is located on the west side of the building. The site contains a combined total of 105 marked parking spaces between the two lots.

Arrival and Dismissal Operations

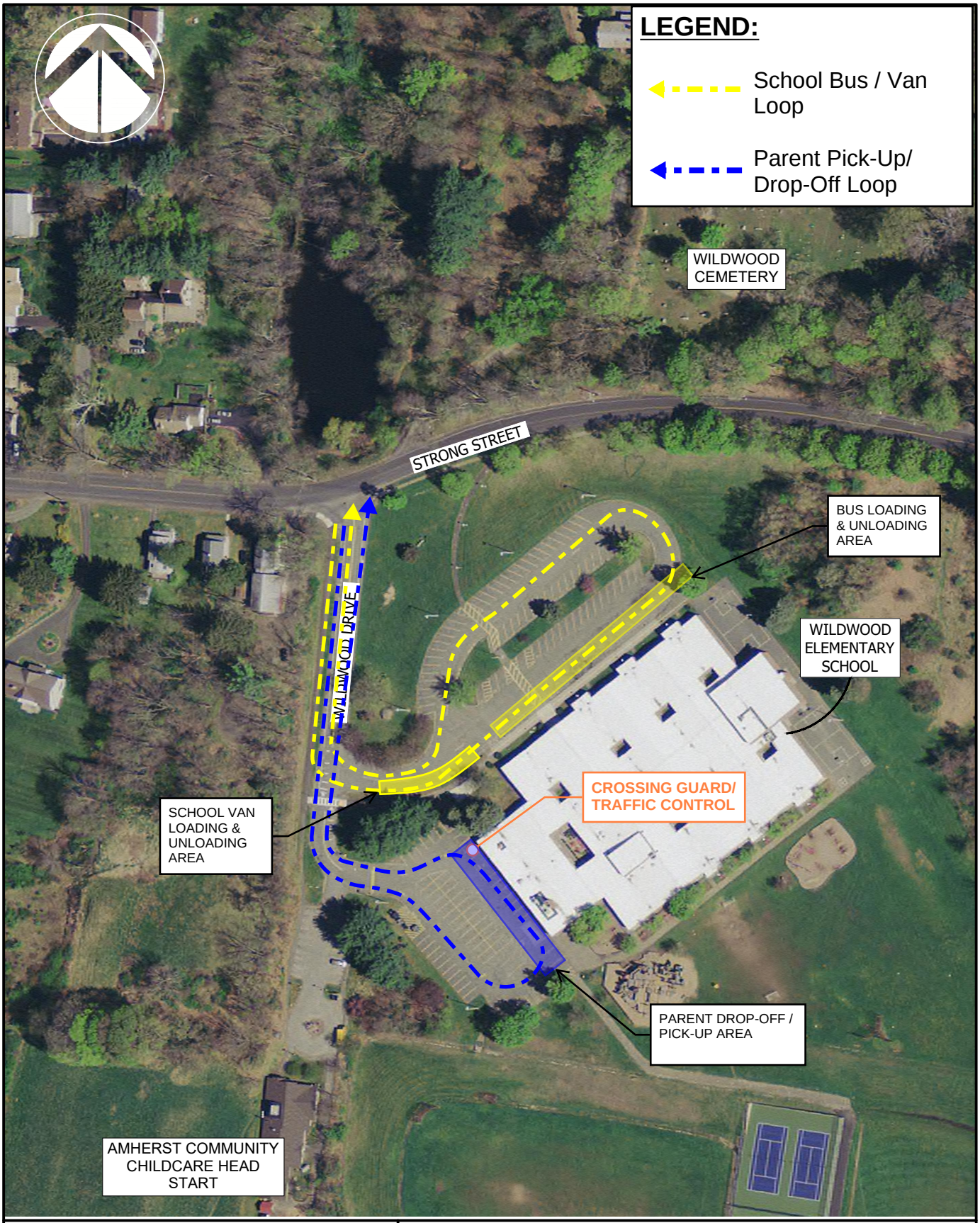
Review of the existing traffic conditions at and around the school were completed through observations conducted during school arrival and dismissal periods. Parking occupancy was also recorded for the two parking lots for the school. All observations at Wildwood Elementary School were conducted on Thursday, February 10, 2022, during typical school operations. The following describes the traffic operations observed at the school with supplement photos provide additional details. Additionally, **Figure 3** graphically displays the arrival and dismissal operations of the school.

The traffic circulation pattern at the school during arrival and dismissal periods separates school buses/vans and parent traffic. As vehicles arrive from Strong Street, they separate into two loops, one for school buses and vans, and one for parents. Buses and vans are directed towards the front of the school (**Photo 9).** After loading/unloading, buses/vans use the parking lot drive aisles to loop back to the main site driveway and exit to Strong Street. Buses and vans load/unload at separate areas at the front of the building. Bus activities occur along the eastern portion of the front of the building while van operations occur towards the western end of the building.

Parent traffic is directed towards the western parking lot, forming two loops around the outside parking lot drive aisle. Student loading and unloading occurs along the west side of the building. The outer loop, used by parents of kindergarten students, loads/unloads at the southwest corner of the building while the inner loop, used by parents of older children, loads/unloads at the northwest corner of the building. The two traffic loops are separated by temporary barricades across the west side of the building, The barricades channel students and vehicles, providing a clear refuge area for student loading/unloading operations. Additionally, the barricades force students walking to/from the outer loop to a single crossing point crossing the inner loop. School staff actively manages parent traffic, serves as crossing guards, and guides students safely between building and the loading zone. (**Photo 10)**.

During the morning arrival period and afternoon dismissal periods, Pare reviewed vehicle queueing that formed at the Strong Street intersection with East Pleasant Street and the site driveway intersection with Strong Street. The longest queue during the morning arrival period was observed at the Strong Street intersection with East Pleasant Street where the queue of 11 vehicles was observed at the Strong Street approach. During the afternoon, a maximum queue of 11 vehicles was observed exiting the school driveway.

Several students were observed walking to/from school. Sidewalks are located along the south side of Strong Street and the west side of the site driveway. A raised crosswalk connecting the west side of the site driveway to the front of the school provided both a traffic calming feature on the site and pedestrian safety feature (**Photo 11**).



PROJECT NO. 21245.00 DATE: FEBRUARY 2022

PARE

FIGURE 3

CIRCULATION MAP

WILDWOOD ELEMENTARY SCHOOL
AMHERST, MASSACHUSETTS

Additional Observations

Several additional observations regarding traffic circulation and safety were noted by Pare during the field review and include the following:

- At no time during the arrival or dismissal period did the parent vehicle queue exceed the limits of the western parking lot. The western parking lot provided ample space for the parent drop-off and pick-up operations.
- Flashing school speed limits signs were observed on east of the school on Strong Street and on East Pleasant Street both north and south of Strong Street.
- School zone related signage in the area does not meet the standards as included in the Massachusetts amendments to the MUTCD. Some signage in the area is out of conformance while some standard signage is lacking.

Traffic Volume Data

Pare recorded the quantity of parent vehicles, school buses, vans and pedestrians during the morning arrival period and afternoon dismissal period. These quantities are presented below in **Table 3**. Note that no students were observed biking to/from school.

Table 3: Wildwood Elementary School Observed Trips

Period	Parents Drop-offs/ Pick-ups	Pedestrians	Buses	Vans/Short Buses
Morning Arrival	85	5	7	6
Afternoon Dismissal	57	7	7	5

Parking Survey

Parking space occupancy was recorded following the school start time (shortly after 8:30 A.M.) and prior to the school dismissal (approximately 1:50 P.M.). **Table 4** below shows the results of the parking inventory. Although the school appears to have excess parking supply, vehicles were observed parked outside of marked spaces throughout the north parking lot (**Photo 12**). School faculty/staff appear to prefer using the northern parking lot as opposed to west lot.

Table 4: Wildwood Elementary School Parking Summary

Period	Parked Vehicles	Vacant Spaces	Total Parking Spaces
Morning	90	15	105
Afternoon	88	17	105

Photo 9: Wide view of bus loop start at the front of the school (right) and looping around towards the left side of the photo

Photo 10: Parent drop-off/pick up loops at the west side of the building. Grade 1-6 parent use the space left of the barricades, kindergarten parents use the right drive aisle and the protected space between the barricades is used as a walkway for Grade 1-6 students.

Photo 11: Crosswalk to assist pedestrians at the southern end of the school driveway.

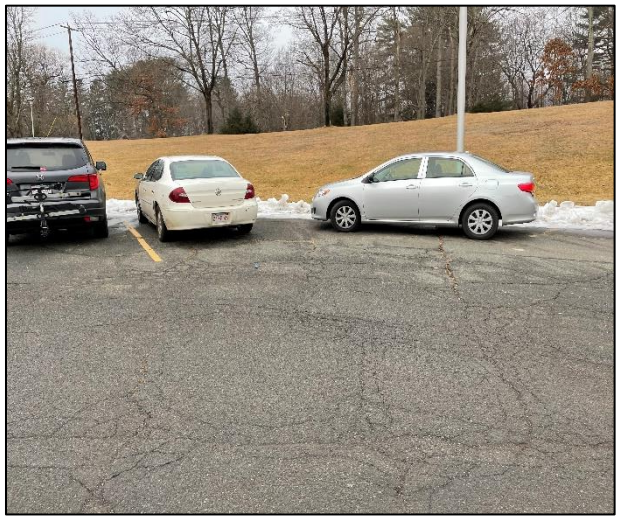


Photo 12: Despite other available spots present, image displays drivers parking wherever available in the morning

CONCLUSIONS AND RECOMMENDATIONS

The compilation of the existing conditions assessment has been provided to establish baseline traffic conditions for the traffic study. Pare was able to obtain existing information regarding the arrival and dismissal operations at the existing schools, number of parent drop-offs at each of the schools, parking demand at each of the two schools, and a sense of the traffic circulation patterns within the study area. In general, drop-off and pick-up operations at both existing schools appeared to operate in an efficient and safe manner, however, several minor issues were noted.

At Fort River Elementary School, the close proximity of the northern site driveway to the signalized intersection of South East Street and Main Street currently results in a minor impact in driver's ability to exit the site. On occasion, Pare observed the vehicle queue from the signal reaching the site driveway, limiting a driver's ability to exit the site. Currently, this was observed to have only a minor impact on the driveway operation as vehicles were freely able to exit the site most of the time. If a larger school with more students were to be located on the site, resulting in more traffic, this condition could become more significant. It should be noted, however, that this condition could be mitigated with design measures if warranted under the future conditions. Pare anticipates that this item will be explored in greater detail under future phases of the project if appropriate.

At Wildwood Elementary School, the single site driveway presents greater vehicle conflicts than a site served by two driveways in a one-way circulation pattern would. While the single driveway currently manages traffic movement to and from the site in an acceptable manner, operations at this intersection could worsen should this site serve a greater student population and greater vehicle volumes. Should this site be reconstructed, a second driveway could be considered to distribute vehicle demand and reduce vehicle delay, vehicle queuing and conflicting vehicle movements.

Additionally, Pare understands that the Town is concerned that under a scenario which locates all elementary school students to one location, traffic impacts may arise throughout the Town of Amherst. These impacts would be the result of traffic associated with the school's students and staff having to travel greater distances and through Town. Traffic counts and analysis have not been performed at this stage of the project. Additional investigations regarding the potential impact a single elementary school location would have on traffic operations throughout the Town will be necessary during the next phase of the project.

Pare would like to acknowledge that there was no evidence, from a traffic operations perspective, observed during our field review that would exclude use of either site for the new elementary school from consideration.

If you have any questions or concerns or wish to discuss further, please feel free to contact me at your convenience.

Sincerely,

Timothy Thomson
Senior Project Engineer

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

J2936-04-01
January 7, 2022

Mr. Timothy Cooper
DiNisco Design, Inc.
99 Chauncy Street, Suite 901
Boston, Massachusetts 02111

Re: Fort River Stormwater Investigations
70 South East Street
Amherst, Massachusetts

Dear Mr. Cooper:

O'Reilly Talbot & Okun Associates, Inc. (OTO) is pleased to provide this letter report summarizing our preliminary design investigations for the stormwater infiltration systems for the Fort River Elementary School. The project Site is located at 70 South East Street in Amherst, Massachusetts. This report is subject to the attached limitations.

SUBSURFACE EXPLORATIONS

Subsurface explorations consisted of four test pits (TP-1 through TP-4), which were performed on December 28, 2021. The test pits were performed by the town of Amherst Department of Public Works using a Terex HR16 mini-excavator, equipped with a $\frac{1}{4}$ cubic yard bucket. The test pits extended to a depth of between 5 and 7.5 feet below existing ground surface. Infiltration (hydraulic conductivity) tests were performed adjacent to test pits TP-2 and TP-4 at a depth of between 4.66 and 5.66 feet below ground surface.

An OTO geotechnical engineer and licensed soil evaluator observed and logged the explorations and performed the hydraulic conductivity tests. The test pit logs are attached. The locations of the explorations are shown on the attached Site Plans (Figure 1A through 1D).

SUBSURFACE CONDITIONS

The ground surface at each test pit location was covered with grass over approximately 5 to 9 inches of topsoil. The topsoil generally consisted of fine sand, with little amounts of silt and trace amounts of organics (roots). Soils beneath the surficial topsoil layer generally consisted of silty sand or fill, followed by fine sand and silt or varved silt and clay. This fine sand and silt or varved silt and clay layer generally extended to the maximum depth explored. A 2-foot-thick (approximate) layer of fine to medium sand was encountered in test pit TP-1 between the topsoil and fine sand and silt/varved silt and clay layer. A fine to medium sand layer, containing discontinuous layers of varved silt and clay, was encountered at a depth of 6 feet in test pit TP-4.

Groundwater/ Estimated Seasonal High Groundwater

In general, the groundwater table is relatively shallow at the Site. Groundwater seeps were observed entering the test pits between a depth 8- and 32-inches below existing ground surface. The Estimated Seasonal High Groundwater Table (ESHGWT) was determined based upon observations made in the test pits. In each of the test pits, redoximorphic features were observed within the native soils at a depth of between 12 and 48 inches below ground surface. Additional information is provided on the test pit logs.

HYDRAULIC CONDUCTIVITY TESTING RESULTS

In-Situ hydraulic conductivity (or permeability) tests were performed adjacent to test pits TP-2 and TP-4. Tests were not performed at test pits TP-1 and TP-3 due to shallow groundwater. The hydraulic conductivity tests were performed with a Guelph permeameter which uses a constant head testing methodology. The results of each test are provided in the table below.

Table 1
Hydraulic Conductivity Test Results

Infiltration Test Location	Test Depth (feet)	Soil Conditions	K Value (feet/day)
TP-2	4.66	Gray, fine sand and silt, moist	0.03
TP-4	5.66	Gray, fine sand and silt, moist	< 0.02

CONCLUSIONS

Based upon our observations and testing conditions are not favorable for the subsurface disposal of stormwater. Groundwater appears to be present within four feet below the existing ground surface at each of the test pit locations. In addition, the natural soils at the Site are fine-grained, consisting of a mixture of fine sand, silt and clay. Field testing indicates a hydraulic conductivity value (infiltration rate) for the native Site soils of less than 0.1 feet per day, which is not favorable for stormwater infiltration.

We appreciate the opportunity to be of service on this project. If you have any questions, please contact the undersigned.

Sincerely yours
O'Reilly, Talbot & Okun Associates, Inc.

Stephen McLaughlin
Project Manager

Michael J. Talbot, P.E.
Principal

Attachments: Limitations, Site Plans, Test Pit Logs, Photographs

LIMITATIONS

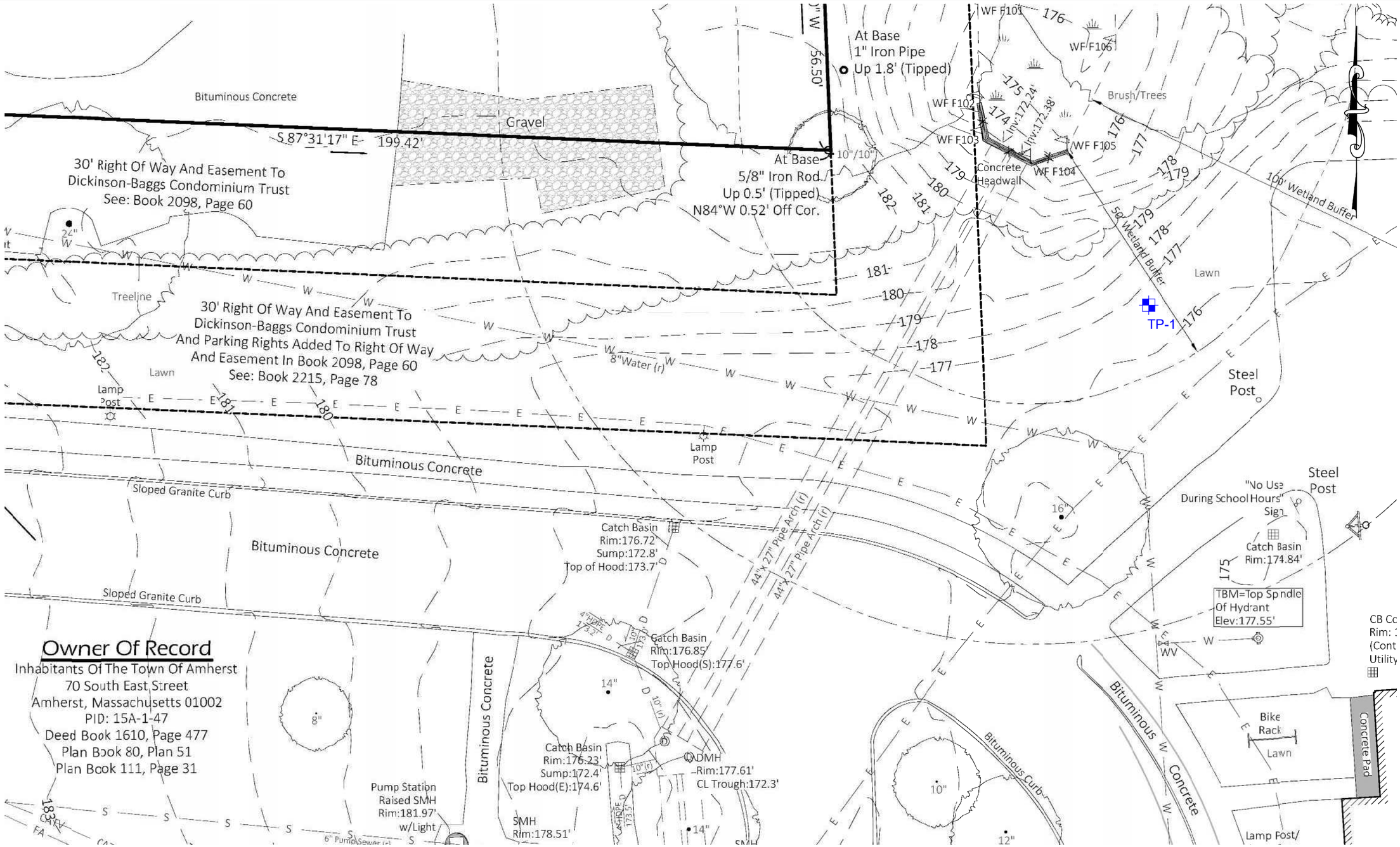
1. The observations presented in this report were made under the conditions described herein. The conclusions presented in this report were based solely upon the services described in the report and not on scientific tasks or procedures beyond the scope of the project or the time and budgetary constraints imposed by the client. The work described in this report was carried out in accordance with the Statement of Terms and Conditions attached to our proposal.

2. The analysis and recommendations submitted in this report are based in part upon the data obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until construction. If variations then appear evident, it may be necessary to reevaluate the recommendations of this report.

3. The generalized soil profile described in the text is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more erratic. For specific information, refer to the boring logs.

4. In the event that any changes in the nature, design or location of the proposed structures are planned, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing by O'Reilly, Talbot & Okun Associates Inc. It is recommended that we be retained to provide a general review of final plans and specifications.

5. Our report was prepared for the exclusive benefit of our client. Reliance upon the report and its conclusions is not made to third parties or future property owners.



LEGEND:

APPROXIMATE TEST PIT LOCATION PERFORMED BY AMHERST DPW ON 12/28/2021, OBSERVED BY OTO

NOTES:

1. BASE MAP PROVIDED TO OTO IN ELECTRONIC FORMAT. ORIGINAL DRAWING TITLED "PLAN OF LAND LOCATED IN AMHERST, MASSACHUSETTS " SHEET 2 OF 10, DATED FEBRUARY 14, 2019 BY THE BERKSHIRE DEGISN GROUP, INC.
2. SAMPLE LOCATIONS ARE SHOWN ACCORDING TO TAPED MEASUREMENTS TAKEN FROM EXISTING SITE FEATURES
3. ALL DATA IS TO BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHODS USED IN THE DEVELOPMENT OF THIS PLAN

SCALE IN FEET
1" = 20'

0' 10' 20' 40'

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES
293 Bridge Street, Suite 500 Springfield, MA 01103 413.788.6222
www.OTO-ENV.com

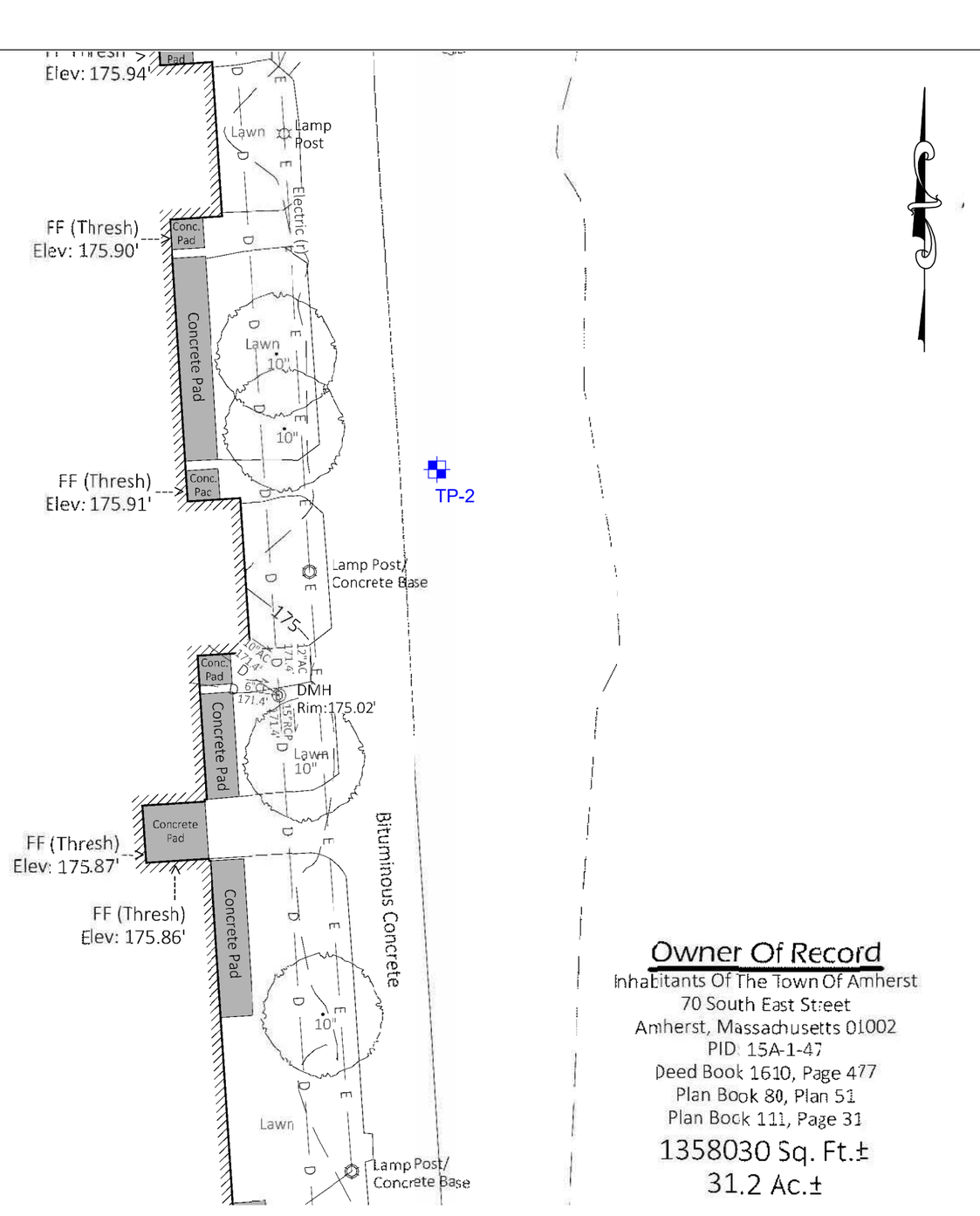
DESIGNED BY: SMM
DRAWN BY: JE
CHECKED BY: SMM
DATE: 12/31/2021
REV. DATE:

AMHERST ELEMENTARY SCHOOL
PROJECT - FORT RIVER SCHOOL
AMHERST, MASSACHUSETTS

SITE PLAN

PROJECT NO.
J2936-04-01

FIGURE NO.
1A



#70

Fort River Elementary School

1 Story Brick Building

Owner Of Record

InhaBitants Of The Town Of Amherst
70 South East Street
Amherst, Massachusetts 01002
PID: 15A-1-47
Deed Book 1610, Page 477
Plan Book 80, Plan 51
Plan Bock 111, Page 31
1358030 Sq. Ft.±
31.2 Ac.±

LEGEND:

APPROXIMATE TEST PIT LOCATION PERFORMED BY AMHERST DPW ON 12/28/2021, OBSERVED BY OTO

NOTES:

1. BASE MAP PROVIDED TO OTO IN ELECTRONIC FORMAT. ORIGINAL DRAWING TITLED "PLAN OF LAND LOCATED IN AMHERST, MASSACHUSETTS " SHEET 6 OF 10, DATED FEBRUARY 14, 2019 BY THE BERKSHIRE DEGISN GROUP, INC.
2. SAMPLE LOCATIONS ARE SHOWN ACCORDING TO TAPED MEASUREMENTS TAKEN FROM EXISTING SITE FEATURES
3. ALL DATA IS TO BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHODS USED IN THE DEVELOPMENT OF THIS PLAN

SCALE IN FEET
1" = 20'

0' 10' 20' 40'

O'Reilly, Talbot & Okun
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293 Bridge Street, Suite 500 Springfield, MA 01103 413.788.6222
www.OTO-ENV.com

DESIGNED BY: SMM
DRAWN BY: JE
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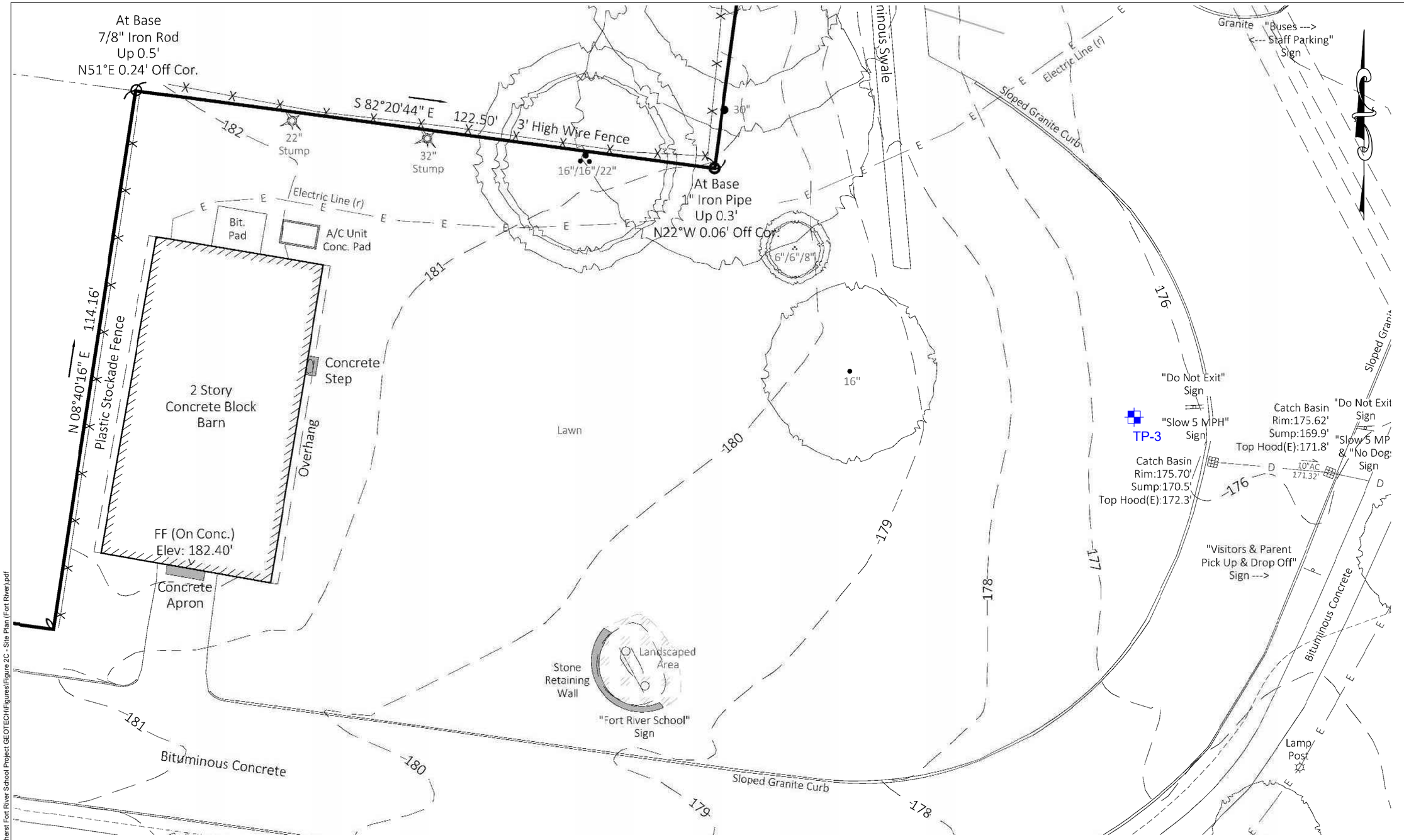
REV. DATE:

AMHERST ELEMENTARY SCHOOL
PROJECT - FORT RIVER SCHOOL
AMHERST, MASSACHUSETTS

SITE PLAN

PROJECT NO.
J2936-04-01

FIGURE NO.
1B



LEGEND:

APPROXIMATE TEST PIT LOCATION PERFORMED BY AMHERST DPW ON 12/28/2021, OBSERVED BY OTO

NOTES:

1. BASE MAP PROVIDED TO OTO IN ELECTRONIC FORMAT. ORIGINAL DRAWING TITLED "PLAN OF LAND LOCATED IN AMHERST, MASSACHUSETTS " SHEET 8 OF 10, DATED FEBRUARY 14, 2019 BY THE BERKSHIRE DEGISN GROUP, INC.
2. SAMPLE LOCATIONS ARE SHOWN ACCORDING TO TAPED MEASUREMENTS TAKEN FROM EXISTING SITE FEATURES
3. ALL DATA IS TO BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHODS USED IN THE DEVELOPMENT OF THIS PLAN

SCALE IN FEET
1" = 20'

0' 10' 20' 40'

O'Reilly, Talbot & Okun
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293 Bridge Street, Suite 500 Springfield, MA 01103 413.788.6222
www.OTO-ENV.com

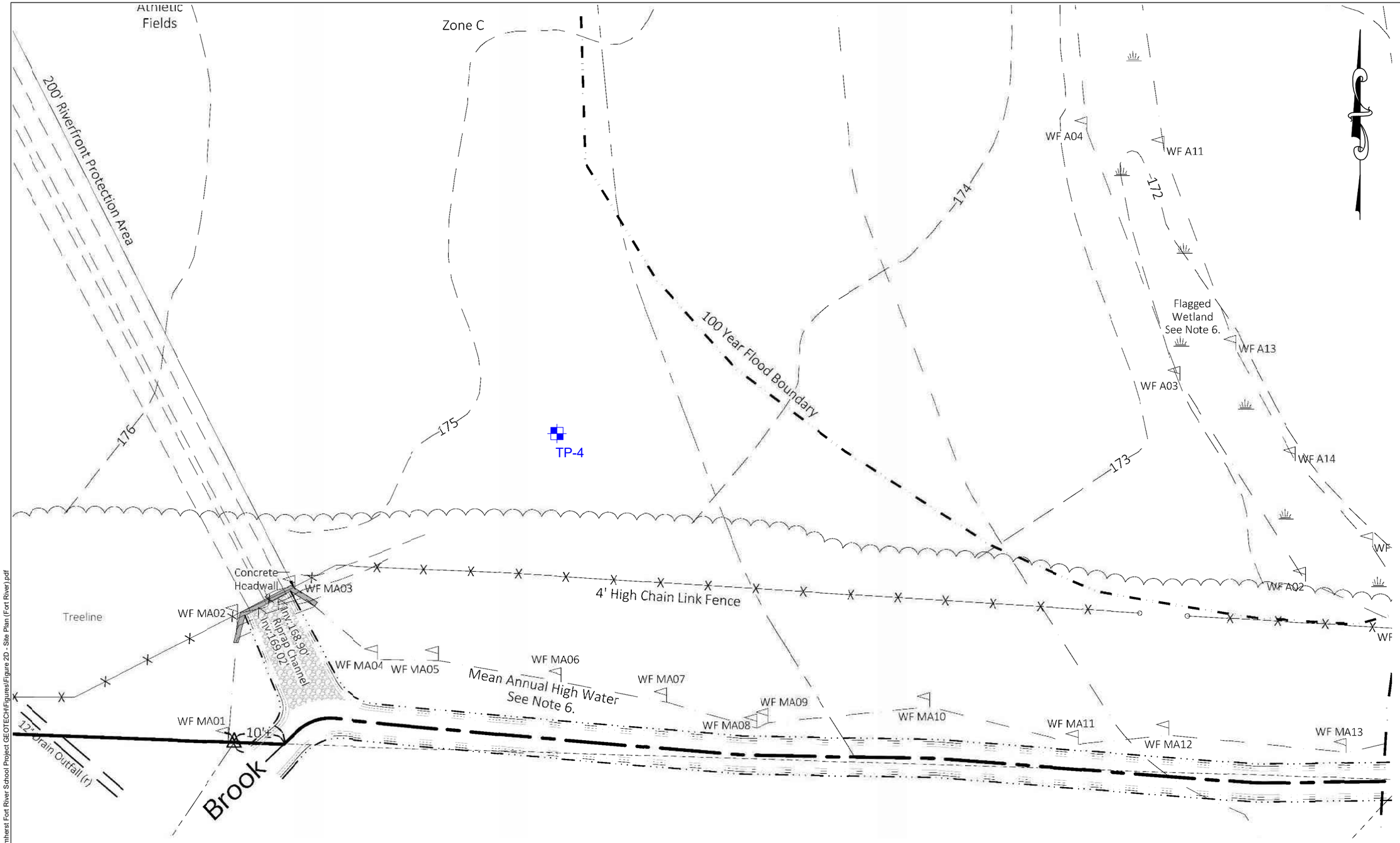
DESIGNED BY: SMM
DRAWN BY: JE
CHECKED BY: SMM
DATE: 12/31/2021
REV. DATE:

AMHERST ELEMENTARY SCHOOL
PROJECT - FORT RIVER SCHOOL
AMHERST, MASSACHUSETTS

SITE PLAN

PROJECT NO.
J2936-04-01

FIGURE NO.
1C



LEGEND:

APPROXIMATE TEST PIT LOCATION PERFORMED BY AMHERST DPW ON 12/28/2021, OBSERVED BY OTO

NOTES:

1. BASE MAP PROVIDED TO OTO IN ELECTRONIC FORMAT. ORIGINAL DRAWING TITLED "PLAN OF LAND LOCATED IN AMHERST, MASSACHUSETTS " SHEET 9 OF 10, DATED FEBRUARY 14, 2019 BY THE BERKSHIRE DEGISN GROUP, INC.
2. SAMPLE LOCATIONS ARE SHOWN ACCORDING TO TAPED MEASUREMENTS TAKEN FROM EXISTING SITE FEATURES
3. ALL DATA IS TO BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHODS USED IN THE DEVELOPMENT OF THIS PLAN

SCALE IN FEET
1" = 20'

0' 10' 20' 40'

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES
293 Bridge Street, Suite 500 Springfield, MA 01103 413.788.6222
www.OTO-ENV.com

DESIGNED BY: SMM
DRAWN BY: JE
CHECKED BY: SMM
DATE: 12/31/2021
REV. DATE:

AMHERST ELEMENTARY SCHOOL PROJECT - FORT RIVER SCHOOL
AMHERST, MASSACHUSETTS

SITE PLAN

PROJECT NO.
J2936-04-01

FIGURE NO.
1D

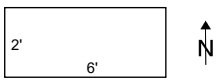
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-1

PROJECT	Fort River Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/28/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	Northeastern portion of Site	START TIME	1100	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	1200	GS ELEV. (ft)	177.0
		OTO STAFF	Steven McLaughlin	FINAL DEPTH (ft)	5.0

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
	8": Brown, fine SAND, little to some silt, trace (+) organics (roots), moist	E	--	--	1
1'					
	Brown, fine SAND, little silt, trace medium sand, trace (-) gravel, trace debris (slag), moist	E	--	--	
2'	27"				
					3
3'					
	Gray with >30% redox features (5YR 4/6) at 27-46", fine to medium SAND, trace (-) silt, water seeping into pit at 32", standing water at 37"	E	--	--	2
4'					
	Gray, varved SILT and CLAY, trace fine sand, wet	E	--	--	
5'					
	End of exploration at 5' (pit collapsing)				
6'					
7'					
8'					
9'					
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth : 32"

GW Elevation (ft): --

Elapsed Time (min): -

Remarks:
1. Soft ground surface at test pit location.
2. Standing water observed at 37", Water seeping at 32".
3. Estimated Seasonal High Groundwater at 27".
4. No infiltration test performed due to high groundwater

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-1

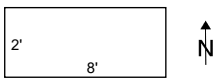
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-2

PROJECT	Fort River Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/28/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	East of existing school building	START TIME	0930	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	1030	GS ELEV. (ft)	174.5
		OTO STAFF	Steven McLaughlin	FINAL DEPTH	7' 8"

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
	6": Brown, fine SAND, little silt, trace organics (roots), wet	E	--	--	1,4
1'	Brown with 30% redox features (2.5YR 3/6) at 32", fine SAND, some silt, little medium sand, trace coarse sand, trace (-) gravel, trace (-) debris (wood) near ground surface, moist	E	--	--	
2'	Water seeping from 6 to 12" (FILL)				
3'					3
	3" thick: Dark brown, SILT, trace organics (roots)	E	--	--	
4'					
	Gray-brown with >20% redox features (10YR 5/8) throughout, fine SAND and SILT,	E	--	--	5
5'	water seeping at 4 and 5 feet				
6'					
7'	Gray, fine SAND and SILT, trace clay, water seeping at 7'	E	--	--	
8'	End of exploration at 7'-8"				
9'					
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth (ft): N/E

GW Elevation (ft): -

Elapsed Time (min): -

Remarks:
1. Soft ground surface at test pit location.
2. Water seeping in layers throughout pit.
3. Estimated Seasonal High Groundwater at 32".
4. Top 3" appears to be fill, area was a previously a playground.
5. Infiltration test performed adjacent to test pit at 4' 8" below grade.

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-2

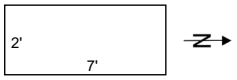
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-3

PROJECT	Fort River Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/28/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	Southwestern portion of Site	START TIME	0830	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	0900	GS ELEV. (ft)	176.5
		OTO STAFF	Steven McLaughlin	FINAL DEPTH (ft)	6'

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
	8": Brown, fine SAND, trace to little medium sand, little silt, trace organics (roots), wet (TOPSOIL)	E	--	--	1
1'	Gray with 10% redox features (5YR 4/6) at 12", fine SAND, some silt, trace to little gravel, trace coarse sand, wet (water seeping in at 8" in south side of test pit) 22"	E	--	--	3
2'					
3'					
4'	Gray, varved SILT and CLAY, trace fine sand, water seeping into test pit throughout layer	E	--	--	
5'					
6'					2
	End of exploration at 6'				
7'					
8'					
9'					
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth: 8"

GW Elevation (ft): -

Elapsed Time (min): -

Remarks:
1. Wet and very soft ground surface at test pit location.
2. Significant water seeping into pit at 5'-10".
3. Estimated Seasonal High Groundwater at 12".
4. No infiltration test performed due to high groundwater

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-3

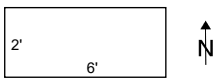
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-4

PROJECT	Fort River Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/28/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	South of existing school building, in ball field	START TIME	1300	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	1400	GS ELEV. (ft)	174.5
		OTO STAFF	Steven McLaughlin	FINAL DEPTH (ft)	7.5

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
	9": Brown, fine SAND, little silt, trace (+) organics (roots), wet	E	--	--	1
1'					
2'	Brown with ~10% redox features (5YR 4/6) at 4', fine SAND, some silt, trace medium sand, trace coarse sand, trace (-) gravel, moist	E	--	--	
	Water seeping at 32" in south side of test pit				
3'					
4'					3
	4' 9"				
5'	Gray with 20% redox features (5YR 5/8) between 4'9" and 6', fine SAND and SILT, moist	E	--	--	
6'					4
7'	Gray with > 30% redox features (7.5YR 5/8) throughout, fine to medium SAND, trace (+) silt, various layers of varved SILT and CLAY throughout layer, water seeping at 7', damp throughout	E	--	--	
8'	End of exploration at 7.5'				
9'					
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth (ft): N/E

GW Elevation (ft): -

Elapsed Time (min): -

Remarks:

1. Wet and very soft ground surface at test pit location.
2. Water seeping at 20", 32" and 7'
3. Estimated Seasonal High Groundwater at 4'
4. Infiltration test performed adjacent to test pit at 5' 8" below grade.

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-4

Photograph 1 – TP-1

Photograph 2 – TP-1

Photograph 3 – TP-2

Photograph 4 – TP-2

Photograph 5 – TP-3

Photograph 6 – TP-3

Photograph 7 – TP-4

Photograph 8 – TP-4

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

J2936-04-01
January 7, 2022

Mr. Timothy Cooper
DiNisco Design, Inc.
99 Chauncy Street, Suite 901
Boston, Massachusetts 02111

Re: Wildwood Elementary School Stormwater Investigations
71 Strong Street
Amherst, Massachusetts

Dear Mr. Cooper:

O'Reilly Talbot & Okun Associates, Inc. (OTO) is pleased to provide this letter report summarizing our preliminary investigations for the design of stormwater infiltration systems at the Wildwood Elementary School. The Site is located at 71 Strong Street in Amherst, Massachusetts. This report is subject to the attached limitations.

SUBSURFACE EXPLORATIONS

Subsurface explorations consisted of four test pits (TP-A through TP-D), which were performed on December 29, 2021. The test pits were performed by the town of Amherst Department of Public Works using a Terex HR16 mini-excavator, equipped with a $\frac{1}{4}$ cubic yard bucket. The test pits extended to a depth of between 4 and 8.5 feet below existing ground surface. Infiltration (hydraulic conductivity) tests were performed adjacent to test pits TP-B and TP-C, at a depth of between 3.5 and 3.66 feet below ground surface.

An OTO geotechnical engineer and licensed soil evaluator observed and logged the explorations and performed the hydraulic conductivity tests. The test pit logs are attached. The locations of the explorations are shown on the attached Site Plan (Figure 1).

SUBSURFACE CONDITIONS

We understand that a portion of the Site was filled in the past to establish current Site grades. The test pit data indicates that the area south and east of the existing school was previously filled. The ground surface at each test pit location was covered with grass over between 10 and 24 inches of topsoil. Reworked soils or fill, consisting of fine sand with little to some amounts of silt and various amounts of medium sand and gravel, was encountered beneath the surficial topsoil layer. Test pit TP-D terminated with this layer at 4.5 feet due to shallow groundwater and the pit sidewalls collapsing.

Either fine to medium sand with various amounts of silt and gravel, or fine sand with little amounts of silt was observed beneath the reworked soil/fill soil layer in test pits TP-B and TP-C. Glacial till was encountered at a depth of approximately 2 feet in test pit TP-A, indicating the northwest portion of the Site had not been previously filled. The glacial till consisted of very dense fine sand with little to some amounts of silt, little gravel, and trace amounts of medium and coarse sand. Excavation within this layer was difficult with a

toothed bucket, and the test pit was terminated at a depth of 4 feet upon the very dense soil conditions.

Groundwater/ Estimated Seasonal High Groundwater

Groundwater and groundwater seeps were observed entering test pits TP-A, TP-C, and TP-D, between a depth of 2 and 5 feet below existing ground surface. These observations indicate that groundwater is leaching out of the hillsides to the northwest, north and northeast of the existing school building. No groundwater was observed in test pit TP-B.

The Estimated Seasonal High Groundwater Table (ESHGWT) was determined based upon observations made in the test pits. In test pits TP-A, TP-B and TP-C, redoximorphic features were observed within the native soils at a depth of between 2 and 6 feet below ground surface. No indications of a high groundwater table were observed in test pit TP-D. This is likely due to the presence of fill soils. Additional information is provided on the test pit logs.

HYDRAULIC CONDUCTIVITY TESTING RESULTS

In-Situ hydraulic conductivity (or permeability) tests were performed adjacent to test pits TP-B and TP-C. Tests were not performed at test pits TP-A and TP-D due to shallow groundwater or very dense soil conditions. The hydraulic conductivity tests were performed with a Guelph permeameter which uses a constant head testing methodology. The results of each test are provided in the table below.

Table 1
Hydraulic Conductivity Test Results

Infiltration Test Location	Test Depth (feet)	Soil Conditions	K Value (feet/day)
TP-B	4.66	Brown, fine sand, little to some silt, trace to little medium sand and gravel, moist	0.06
TP-C	5.66	Brown, fine to medium sand, little silt, trace gravel, moist	1.4

CONCLUSIONS

Based upon our observations and testing conditions are not favorable for the subsurface disposal of storm water. Groundwater appears to be present within five feet below the existing ground surface in the test pits, and groundwater is likely seeping out of the hillside to the northeast, north and west of the existing school building. In addition, the natural soils at the Site consist of a very dense, well graded mixture of sand, gravel, silt and clay. Field testing indicates a hydraulic conductivity value (infiltration rate) for the near surface Site soils is approximately 1.5 feet per day of less, which is not favorable for stormwater infiltration.

We appreciate the opportunity to be of service on this project. If you have any questions, please contact the undersigned.

Sincerely yours
O'Reilly, Talbot & Okun Associates, Inc.

Stephen McLaughlin
Project Manager

Michael J. Talbot, P.E.
Principal

Attachments: Limitations, Site Plans, Test Pit Logs, Photographs

LIMITATIONS

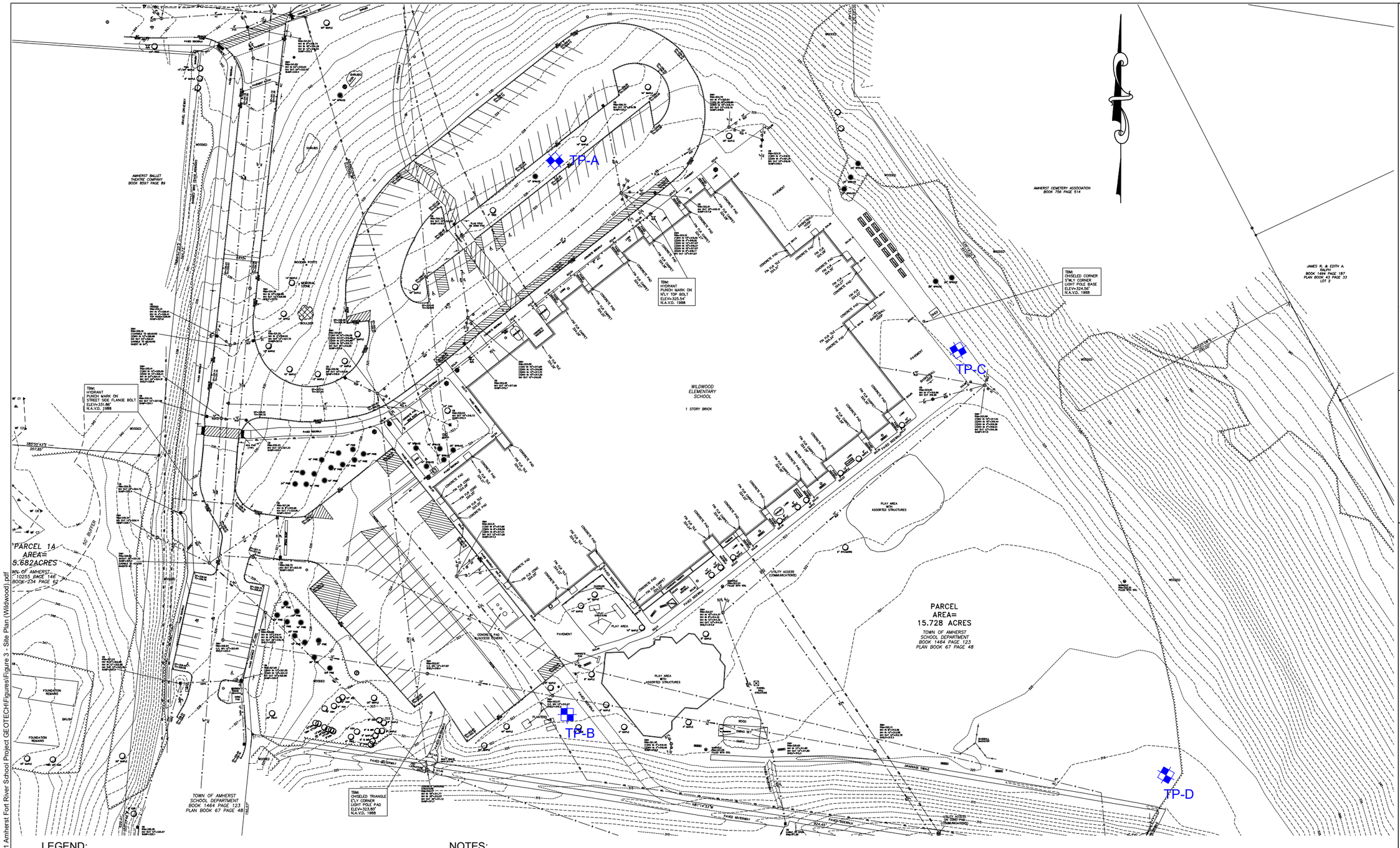
1. The observations presented in this report were made under the conditions described herein. The conclusions presented in this report were based solely upon the services described in the report and not on scientific tasks or procedures beyond the scope of the project or the time and budgetary constraints imposed by the client. The work described in this report was carried out in accordance with the Statement of Terms and Conditions attached to our proposal.

2. The analysis and recommendations submitted in this report are based in part upon the data obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until construction. If variations then appear evident, it may be necessary to reevaluate the recommendations of this report.

3. The generalized soil profile described in the text is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more erratic. For specific information, refer to the boring logs.

4. In the event that any changes in the nature, design or location of the proposed structures are planned, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing by O'Reilly, Talbot & Okun Associates Inc. It is recommended that we be retained to provide a general review of final plans and specifications.

5. Our report was prepared for the exclusive benefit of our client. Reliance upon the report and its conclusions is not made to third parties or future property owners.



LEGEND:

APPROXIMATE TEST PIT LOCATION PERFORMED BY AMHERST DPW ON 12/29/2021, OBSERVED BY OTO

NOTES:

1. BASE MAP PROVIDED TO OTO IN ELECTRONIC FORMAT. ORIGINAL DRAWING TITLED "PLAN OF LAND LOCATED IN AMHERST, MASSACHUSETTS " SHEET 1 OF 2, DATED JUNE 27, 2016 BY HERITAGE SURVEYS, INC
2. SAMPLE LOCATIONS ARE SHOWN ACCORDING TO RELATIVE LOCATION TO EXISTING SITE FEATURES
3. ALL DATA IS TO BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHODS USED IN THE DEVELOPMENT OF THIS PLAN

SCALE IN FEET
1" = 80'

0' 40' 80' 160'

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES
293 Bridge Street, Suite 500 Springfield, MA 01103 413.788.6222
www.OTO-ENV.com

DESIGNED BY: SMM
DRAWN BY: JE
CHECKED BY:
DATE: 12/31/2021
REV. DATE:

AMHERST ELEMENTARY SCHOOL
PROJECT - WILDWOOD SCHOOL
AMHERST, MASSACHUSETTS

SITE PLAN

PROJECT NO.
J2936-04-01

FIGURE NO.
1

O:\J2900\2936 DiNisco Design, Inc\04-01 Amherst Fort River School Project GEOTECH\Figures\Figure 3 - Site Plan (Wildwood).pdf

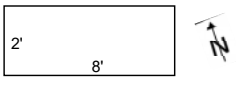
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-A

PROJECT	Wildwood Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/29/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	North of existing school building	START TIME	1300	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	1400	GS ELEV. (ft)	326.5
		OTO STAFF	Steven McLaughlin	FINAL DEPTH (ft)	4.0

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
1'	Dark brown, fine SAND, little silt, little organics (roots) in top 3", trace gravel, moist (TOPSOIL)	E	1	1.5'	
2'	6": Brown, with ~10% redox features (2.5YR 4/8) throughout, fine SAND, little to some medium sand, trace to little silt, little gravel, damp (water seeps throughout layer)	E	--	--	
3'	Brown-gray, fine SAND, little to some silt, little gravel, trace (+) medium sand, trace coarse sand, moist	D-V	>15 5	6" 8-10"	
4'	End of exploration at 4' upon very dense soil conditions				
5'					
6'					
7'					
8'					
9'					
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth : -

GW Elevation (ft): -

Elapsed Time (min): -

Remarks:
1. Water seeping throughout soil layer at 2'-2.5'.
2. Soil layer beginning at 2.5' very dense, difficult excavating.
3. Unable to auger hole/perform infiltration test in dense soil layer
3. Estimated Seasonal High Groundwater at 2'

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-A

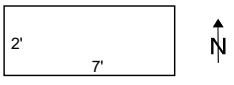
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-B

PROJECT	Wildwood Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/29/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	Southwest of existing school building	START TIME	0815	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	0930	GS ELEV. (ft)	322.0
		OTO STAFF	Steven McLaughlin	FINAL DEPTH (ft)	8.5

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
1'	10": Brown, fine SAND, little silt, little organics (roots), dry	E	--	--	
2'					
3'	Brown, fine SAND, little to some medium sand, little to some silt, little gravel, trace coarse sand, moist (Reworked Soils/Fill)	M	>15 ~5	6" 12"	
4'					
5'					
6'					
7'	Brown with >20% redox features (2.5 YR 4/8) throughout layer, fine SAND, little silt, moist	E	--	--	
8'					
9'	End of exploration at 8.5'				
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth (ft): -

GW Elevation (ft): -

Elapsed Time (min): -

Remarks:
1. Test Pit adjacent to steep down gradient slope.
2. Equipment operator indicted that portion of Site filled, possible fill soils to 6'.
3. Estimated Seasonal High Groundwater at 6'.
4. Infiltration test performed adjacent to test pit at 3'-6" below grade.

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-B

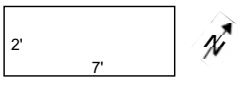
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-C

PROJECT	Wildwood Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/29/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	Northeast of existing school building	START TIME	1100	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	1200	GS ELEV. (ft)	324.5
		OTO STAFF	Steven McLaughlin	FINAL DEPTH (ft)	7.0

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
1'	12": Dark brown, fine SAND, little silt, trace (+) organics (roots) in top 3", moist (TOPSOIL)	E	--	--	
	Dark brown, fine SAND, some silt, little medium sand, trace coarse sand, trace to little gravel, trace (-) debris (asphalt), moist (FILL)	E-M	~2	6"	
2'	Brown with >20% redox features (2.5YR 3/6) at 2'-4", fine to medium SAND, little to some silt, little gravel, trace (+) coarse sand, moist	M	~5	6"	
3'					
	Water seep at 3.5'				1
4'					
	Brown with >10% redox features (2.5YR 3/6) to 4.5', fine to medium SAND, trace to little silt, little to some gravel, trace (+) coarse sand, water seep at 3.5', 4.5', 5'	M-D	~10 ~5	6" 8-12"	
5'					
6'					
7'					
	End of exploration at 7', upon numerous cobbles and dense soil				
8'					
9'					
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth: -

GW Elevation (ft): -

Elapsed Time (min): -

Remarks:
1. Water seeping at 3.5', 4.5', and 5'.
2. Estimated Seasonal High Groundwater at 2'-4"
3. Infiltration test performed adjacent to test pit at 3'-8" below grade.

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-C

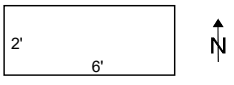
O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

LOG OF TEST PIT TP-D

PROJECT	Wildwood Elementary School			CONTRACTOR	Amherst DPW
JOB NO.	2936-04-01	DATE	12/29/2021	OPERATOR	Bob
LOCATION	Amherst, MA	WEATHER	Cloudy	BACKHOE	Terex HR16
TEST PIT LOCATION	Southeastern portion of Site	START TIME	1000	CAPACITY (cy)	1/4 yd^3
		FINISH TIME	1030	GS ELEV. (ft)	319.0
		OTO STAFF	Steven McLaughlin	FINAL DEPTH (ft)	4.5

DEPTH (ft)	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDERS/ COBBLES COUNT	BOULDERS/ COBBLES SIZE	REMARKS
1'	12": Brown, fine SAND, some silt, little organics (roots), moist	E	--	--	1
2'	Brown, fine SAND, little to some silt, little medium sand, trace coarse sand, little gravel, water entering pit at 3'-8" (Reworked Soils/Fill)	M	~15	6"	3
3'					
4'	Water entering pit at 3'-8", soils very loose and saturated	E	--	--	2
5'	End of exploration at 4.5' (hole collapsing)				
6'					
7'					
8'					
9'					
10'					
11'					

TEST PIT PLAN



EXCAVATION EFFORT

Easy	E
Moderate	M
Difficult	D
Very Difficult	V

BOULDER/COBBLE CLASS

Type	Size
Cobble	3" - 6"
Small	6" - 18"
Medium	18" - 36"
Large	36" and Larger

PROPORTIONS USED

Term	Relative Quantity
and	35% - 50%
some	20% - 35%
little	10% - 20%
trace	10% or less

GROUNDWATER CONDITIONS

GW Depth (ft): 3.66
GW Elevation (ft): -
Elapsed Time (min): -

Remarks:
1. Standing water at ground surface.
2. Water entering pit at 3'8".
3. Equipment operator indicted that portion of Site filled, possible fill soils throughout pit
4. No indications of estimated high ground water table, soils possibly filled.
5. No infiltration test performed due to high groundwater

PROJECT NO.

2936-04-01

LOG OF TEST PIT

TP-D

Photograph 1 – TP-A

Photograph 2 – TP-A

Photograph 3 – TP-B

Photograph 4 – TP-C

Photograph 5 – TP-C

Photograph 6 – TP-D

Photograph 7 – TP-D

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

January 21, 2022
J2936-05-01

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Fort River Elementary School
70 S. East Street
Amherst, Massachusetts

PREPARED FOR:
Mr. Timothy Cooper, Associate
DiNisco Design, Inc.
99 Chauncy Street, Suite 901
Boston, Massachusetts 02111

PREPARED BY:
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street, Suite 500
Springfield, MA 01103

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

J2936-05-01
January 21, 2022

DiNisco Design, Inc.
99 Chauncy Street, Suite 901
Boston, Massachusetts 02111

Attn: Mr. Timothy Cooper, Associate

Subject: Phase I Environmental Site Assessment (ESA)
Fort River Elementary School
70 S. East Street
Amherst, Massachusetts

Dear Mr. Cooper:

Attached is our Phase I Environmental Site Assessment (ESA) report for the above-referenced property. Our Phase I ESA was performed in general accordance with ASTM Standard Practice E1527-13 (the "all appropriate inquiry" standard).

We appreciate the opportunity to assist you on this project. Should you have any questions regarding the report, please do not hesitate to call us.

Very truly yours,
O'Reilly, Talbot & Okun Associates, Inc.

Jonathan Hermanson
Staff Scientist

Bruce Nicklesen
Associate, LSP

Christine Arruda
Associate

O:\J2900\2936 DiNisco Design, Inc\05-01 Amherst Fort River School Project PHASE I ESAs\Fort River Elementary School

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FIGURES

APPENDICES

1.0 SUMMARY

O'Reilly, Talbot & Okun Associates, Inc. (OTO) has conducted a Phase I Environmental Site Assessment (ESA) for Fort River Elementary School at 70 S. East Street in Amherst, Massachusetts (the "Site" or "subject property"). Our assessment consisted of a records review, a reconnaissance, interviews, review of User provided information and preparation of this report. The subject property covers approximately 11.5-acres and is improved with a single-story school building, restroom building, storage facility, recreation fields, vegetable garden, and paved surfaces. The eastern portion of the subject property is covered with dense forested floodplain. Based on the services and limitations summarized herein, this Phase I ESA has identified the following Historical Recognized Environmental Conditions (HRECs), Business Environmental Risk (BER), and data gaps in connection with the subject property:

1. HREC: The former Amherst Manufactured Gas Plant (MGP), at 36 Pelham Road, abuts the property to the northeast. The disposal site boundary associated with the former Amherst MGP has been identified along Fort River and is approximated to cross into the subject property at the eastern property boundary.

2. HREC: A 10,000-gallon, No. 2 fuel oil, UST was used to power the heating system for the property building. In 2012, the UST was removed and the soils surrounding the UST were tested. Soil analytical results were below RCS-1 reportable concentrations indicating a reportable release had not occurred from the UST. Tank removal and soil testing addresses this HREC to the satisfaction of the applicable regulatory authority. Therefore, no further action is recommended for this HREC.

3. BER: Asbestos containing building materials (ACM) are present throughout the building and may need to be abated based on their condition. The quantity and condition of (ACM) was not evaluated as a part of this Phase I ESA, but its presence was noted in Asbestos Hazard Emergency Response Act reports for the subject property.

4. Data Gap: As indicated in the attached User Questionnaire, the results of a land title records search were not available at the time of this report, a potentially significant data gap within the scope of this ESA. This data gap is mitigated by the Massachusetts Department of Environmental Protection (MassDEP) Site list which allows us to search the subject property and surrounding area for Activity Use Limitations (AULs). One AUL is listed on the MassDEP Site list in the vicinity of the subject property. This AUL is on Pelham Road at the Town sewage pumping station and is not likely to affect the environmental condition of the subject property.

5. Data Gap: Access was not provided to the exterior storage facility in the southwest portion of the subject property.

No other RECs or significant data gaps in connection with the subject property were identified by this assessment. As with many parcels, such as the subject property, the possible presence of undiscovered releases of oils or hazardous materials is a possibility that cannot be ruled out. As referred to in ASTM E1527-13 Standard Practice for Phase I

ESAs, no ESA can wholly eliminate uncertainty regarding environmental matters in connection with a parcel of real estate.

2.0 INTRODUCTION

2.1 PURPOSE

A Phase I Environmental Site Assessment (ESA) was performed of the subject property, identified as 70 S. East Street in Amherst, Massachusetts. The Phase I ESA was performed in general accordance with ASTM Standard Practice E1527-13 (the "all appropriate inquiry" standard, or the Standard) and our proposal to DiNisco Design, Inc. (DiNisco) (report "User") dated December 13, 2021. The purpose of our Phase I ESA was to evaluate the history and current conditions of the subject property to identify Recognized Environmental Conditions (RECs)[1], historical Recognized Environmental Conditions (HRECs)[2], controlled Recognized Environmental Conditions (CRECs)[3], or significant data gaps[4].

2.2 SCOPE OF SERVICES

The following tasks were undertaken:

1. A review of User provided information, physical setting resources, historical records, and government records as described in the Standard.
2. A reconnaissance following the procedures outlined in the Standard.
3. An interview with the subject property key site manager and local officials as described in the Standard.
4. Evaluation and preparation of this Phase I ESA report.

2.3 SIGNIFICANT ASSUMPTIONS

OTO performed the environmental record searches in accordance with current ASTM and industry practice. The data, findings, and conclusions presented in this Phase I ESA are based upon a search, review, and analysis of the documents and interviews as well as observations made during the reconnaissance.

Conclusions reached regarding the conditions of the subject property do not represent a warranty that all areas within the property are of a similar quality as may be inferred from

[1] Recognized Environmental Condition (REC): (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A de minimis condition (as defined) is not a recognized environmental condition.
[2] Historical RECs: a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.
[3] Controlled RECs: recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).
[4] Significant Data Gap: a data gap that affects the ability of the environmental professional to identify a recognized environmental condition.

observable conditions and available history. As stated in the ASTM standard, no ESA can wholly eliminate uncertainty regarding potential environmental conditions in connection with a property. OTO's evaluation and analysis are intended to reduce, not eliminate, the potential for conditions that result in environmental risk for the end user of this report.

2.4 LIMITATIONS, EXCEPTIONS, TERMS & CONDITIONS

Our report was performed subject to limitations and exceptions outlined in the Standard, identified herein, and as attached in Appendix A. The contractual Terms and Conditions governing the agreement between OTO and DiNisco (Client and report User) under which this report was prepared, are attached in Appendix A. During the site reconnaissance, OTO was not able to observe the interior of the storage facility on the southwestern portion of the subject property.

2.5 USER RELIANCE

This report documents the Phase I ESA of the subject property performed by OTO at the request of DiNisco in general accordance with ASTM Standard E1527-13. The findings, opinions, and conclusions of this report are for the confidential and exclusive use of DiNisco. Reliance on this report for any use or by parties other than those specifically stated is prohibited without the express written consent of OTO. Such use is at the sole risk of the user.

3.0 PROPERTY DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

A Locus Map based on the current United States Geological Survey (USGS) topographic map of the Belchertown, Mount Holyoke, Mount Toby, and Shutesbury, Massachusetts Quadrangles (7.5 minute) is attached as Figure 1. A Site Sketch is attached as Figure 2.

According to the Town of Amherst Assessors Office, the subject property consisting of approximately 11.5 acres is identified as Map-Lot ID number 15A-47. The property is owned by the Town of Amherst School Department. A copy of the current property record card is attached in Appendix B.

3.2 PROPERTY AND VICINITY GENERAL CHARACTERISTICS

The subject property is surrounded by commercial and residential developments to the north, south, and west. East of the subject property is agricultural land. The eastern boundary of the subject property is the Fort River. Both east and west of Fort River are designated floodplain areas that are developed with public walking paths.

Surface topography at the subject property drops from approximately 180 feet on the western property boundary to 170 feet on the eastern property boundary at the Fort River. State/federal identified wetlands are mapped in the northeast portion of the subject property and southeast of the subject property along the Fort River. The surrounding area slopes gently to the east toward the Fort River and groundwater is inferred to flow in that direction. No groundwater elevation surveys were performed as part of this assessment.

3.3 CURRENT USE OF THE PROPERTY

The property was observed to be in use by the owner as an elementary school. The school consists of class, art, and technology rooms; and spaces used as a gymnasium, library, offices, cafeteria, and kitchen. The exterior of the school consisted of recreational playing fields, parking and paved areas, wooded areas, a storage facility, and a vegetable garden. No students or faculty were present during the time of the subject property visit.

3.4 CURRENT USES OF ADJOINING PROPERTIES

Abutting properties include commercial and residential properties to the north; commercial and residential properties, an undeveloped lot, the Saul Conservation Area, and farmland to the south; residential property to the west; and forested and farmland to the east.

3.5 DESCRIPTIONS OF STRUCTURES, ROADS, AND IMPROVEMENTS

The subject single-story building has a concrete floor slab, flat roof, and one subgrade area for the building's mechanical systems. Based on available documentation, the building is approximately 108,000 square feet and was constructed between 1972 and 1976. Paved, recreational, and vegetated areas were observed to surround the building.

3.6 CURRENT POTABLE WATER SOURCE AND SEWAGE DISPOSAL

According to the owner's agent, the subject property is connected to municipal water and sewage disposal services.

3.7 CURRENT BUILDING HEATING AND COOLING SYSTEMS

A sub-grade mechanical room contains an electric powered heating and air-conditioning system, an electrical hot water heating system, and 125-gallon diesel above ground storage tank used to power a backup generator (used in case of an emergency). Potable water is heated by electric hot water heaters.

3.8 HISTORIC HEATING SYSTEM

Prior to at least 2012, a 10,000-gallon UST was used to power the property building's heating system. The UST was removed in 2012 with oversight by New England Environmental. Six soil samples from the tank area were submitted to an analytical laboratory. As reported in New England Environmental' s UST Removal Report, "no TPHs or EPHs detected above laboratory method detection limits."[5] The historic presence of this UST constitutes as an HREC. The UST removal report is included in Appendix E.

4.0 USER PROVIDED INFORMATION

A User Questionnaire was completed by Mr. Rupert Roy-Clark, Amherst Public Schools Facilities Manager, on January 19, 2022. A copy of the Questionnaire is attached in

[5] New England Environmental, Inc., 2012. *Underground Storage Tank Removal Report*. August 28, 2012.

Appendix C. The Questionnaire indicates that the User is unaware of past chemical releases, environmental cleanups, or obvious indicators that point to the presence or likely presence of releases at the subject property.

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORDS SOURCES

The Standard Environmental Records Sources identified in the ASTM Standard were reviewed for the subject property and vicinity using a database search provided by Environmental Risk Information Services (ERIS). The radii searched in these databases meets or exceeds the radii required in the ASTM Standard. A copy of the ERIS report is attached in Appendix D.

On-Property: The search identified the subject property in the Facility Index System (FINDS) maintained by the U.S. Environmental Protection Agency (EPA), the Integrated Compliance Information System (ICIS), and as an asbestos project site. The subject property is listed on the FINDS and ICIS lists due to air emissions compliance regulation. The phone number listed on the EPA website as the compliance contact was no longer in service.

Off-Property: A total of 148 releases and/or regulatory data listings were identified within the referenced search radii. The identified release locations in the ERIS report were reviewed based on distance and direction from the subject property, the age of the release, remedial measures conducted, and their regulatory status. Using the website links within the ERIS report, we reviewed available reports and maps in Massachusetts Department of Environmental Protection (MassDEP) files for the releases potentially cross gradient or up-gradient of the subject property based on topography and the inferred groundwater flow direction.

A number of spills and releases at residential and gas station sites occurred cross gradient and up-gradient of and within 1,000 feet of the subject property. Each of these spills and releases have been closed except for releases related to historical activities at 36 Pelham Road (Release Tracking Number or RTN 1-4253) and a release at 40 Belchertown Road (RTN 1-21093) related to the removal of a gasoline underground storage tank (UST).

The 40 Belchertown Road release is located approximately 350 feet to the south of the subject property. Groundwater monitoring is ongoing, however, groundwater samples collected in December 2020 and March 2021 indicated only a low detection of methyl tert-butyl ether. Based on the location and the detected chemical concentrations it is unlikely to impact the soil or groundwater at the subject property.

The 36 Pelham Road release abuts the subject property to the northeast. ERIS lists this location as a spill, release, oil and hazardous material, and asbestos listing. MassDEP assigned RTN 1-14253 to the release related to historical use of the property as the former Amherst Manufactured Gas Plant (MGP). Manufactured gas plants began operating in the United States in the mid 1800's to produce gas, initially for street lighting but later as a source of fuel. The Amherst MGP plant operated from approximately 1910 to 1935. Polycyclic aromatic hydrocarbons were detected in Fort River sediments for approximately

0.75 miles along the Fort River from Pelham Road toward Belchertown Road. This 0.75 mile stretch of the Fort River forms the eastern boundary of the Site. Based on groundwater monitoring along Fort River, the disposal site boundary is drawn to include the eastern property boundary of the subject property.[6] The Amherst MGP has a Temporary Solution under the Massachusetts Contingency Plan (MCP) with ongoing remediation to collect coal tar at the location of the former Plant, which is northeast of the subject property. While impacted sediments have been detected in the Fort River, along the eastern property boundary, this is considered an HREC, since the release condition is being performed to the apparent satisfaction of the MassDEP by an identified Responsible Party.

With the exception of the former Amherst MGP facility, based on our review of data presented in the ERIS report, no state-listed oil or hazardous material releases are likely to have impacted Site soil or groundwater.

Potential Vapor Intrusion Impacts

Environmental impacts due to activities at the former Amherst MGP are likely the only potential source of vapor intrusion impacts at the subject property. However, based on the location of the former Amherst MGP (positioned side and downgradient of the subject property) vapor intrusion risk is considered unlikely at the Site.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

MassDEP Well Search Database

OTO reviewed the MassDEP well database on January 17, 2021, for records of well installations along Main Street, Belchertown Road, College Street, South East Street, North East Street, and Pelham Road in Amherst. No records were found pertaining to the subject property address. Database records indicate numerous monitoring wells have been installed along Belchertown Road, Pelham Road, and College Street. Seven (7) of the listed monitoring wells are within 500 feet of the subject property and relate to the spills and releases identified in the previous section. Specific address information is not available for many of the wells listed along the nearby streets.

MassDEP Phase I Site Assessment Map

The MassDEP on-line Phase I Site Assessment Map of the subject property vicinity is provided in Appendix E. Protected open space, floodplains, freshwater wetlands, and estimated rate wetland wildlife habitats are mapped at the subject property.

The Massachusetts Contingency Plan (MCP) has established reporting classifications for potential releases to soil and groundwater. Groundwater located within Current or Potential Drinking Water Source Areas is classified as RCGW-1.

Current Drinking Water Source Areas are defined as areas:

[6] Tighe & Bond, September 2021. *Post Temporary Solution Status and Remedial Monitoring Report*. September 1, 2021.

- Within a Zone II or Interim Wellhead Protection Area for a public water supply;
- Within the Zone A of a Class A surface water body used as a public water supply; or
- Within 500 feet of a private water supply well.

Potential Drinking Water Source Areas are defined as areas:

- 500 feet or more from a public water supply line;
- Within an area designated by a municipality specifically for the protection of groundwater quality; or
- Within a Potentially Productive Aquifer (PPA) that has not been excluded as a Non-Potential Drinking Water Source Area (NPDWSA).

Based on our review of available information, the subject property is not likely within 500 feet of a private water supply well. As discussed in Section 7.2, representatives of the Amherst Health Department indicated that the Site and vicinity are served by public water supplies and that they were not aware of private water supply wells within 500 feet of the Site. Based on this information, Site groundwater is likely classified as RCGW-2.

Soils at the subject property are classified as RCS-1 due to the abutting residences and surrounding land uses. Applicable soil and groundwater classifications should be revisited by a Massachusetts Licensed Site Professional (LSP) in the future if exceedances of any reporting standard are detected.

5.3 PHYSICAL SETTING SOURCES

United States Geological Survey (USGS) topographic maps of the area were used to prepare the Locus Map (Figure 1). The USGS maps of the property vicinity are the only physical setting source required to be reviewed by the ASTM Standard. Other physical setting sources were reviewed including aerial imagery and GIS mapping. Information from these sources is provided in the appropriate sections of this report.

5.4 HISTORICAL PROPERTY USE INFORMATION

Historical background information for the Site was gathered using ASTM E1527-13 standard historical sources. OTO reviewed the Historical Topographic Maps, City Directory, Fire Insurance Maps, and Historical Aerial Images provided by ERIS and attached in Appendix D. In addition, information from our interviews and property record information were incorporated into the historical use review of this report.

The following key information was available in our review of the historical sources:

- Surrounding Area: Main Street, Belchertown Road, and East Street are depicted as far back as 1886. The surrounding area is depicted as semi-rural agricultural and residential in topographic, fire insurance, and historic aerial resources. The same resources depict the surrounding areas becoming more developed over the years into the current mainly commercial and residential uses. Some agricultural fields are depicted to the east and northeast of the subject property in present aerial photography.

- Subject Property: Topographic maps from 1886 and 1890 depict the subject property as undeveloped. A 1916 Sanborn Fire Insurance Map shows three structures on the west side of the property. A 1964 aerial photograph shows the subject property as developed for agricultural use. A pond is visible in the northern portion of the subject property, and country roads are visible transecting the property. Buildings are visible on the northern and southern portions of the property with access to South East Street.

  The subject property was developed between 1970 and 1975 with the school building that is currently present. Except for the building with South East Street access, depicted in the 1964 photograph, none of the other buildings previously depicted are present in the 1975 photograph. The school building and building in the southern portion of the subject property are both depicted in the most recent 2015 photograph as they are in the 1975 photograph. Topographic maps confirm the presence of the school building as early as 1979.

  The outdoor areas of the subject property are depicted in the 1975 photograph as developed parking areas and recreational fields. Cleared and undeveloped land is present on the eastern portion of the property. In the 1981 photograph, the northeastern portion of the property is depicted as wooded, and the southeastern portion of the property remains cleared. The 1998 photograph depicts the entirety of the eastern portion of the subject property, abutting Fort River, as wooded undeveloped land.

  Prior businesses at the subject property are not listed in the city directory under the current address. Previous owners of the subject property include members of the Heath family as listed on the Property Record Card.

- Adjoining Properties: Adjoining properties were historically residential, field areas, and woodlands. Commercial properties including gas stations were developed to the north and south (cross-gradient) of the subject property as late as the 1970s.

6.0 RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

On December 30, 2021, the Phase I reconnaissance was performed by Mr. Jonathan Hermanson, an OTO Scientist. Our reconnaissance was performed following guidelines presented in Section 9.0 of ASTM Standard E1527-13. Photographs taken during the visit are included as Appendix F.

At the time of the visit, the weather was clear, and the temperature was approximately 35 degrees Fahrenheit. Given the season, dormant vegetation limited our ability to assess potential stressed vegetation. OTO observed subject property building exteriors, and interiors, and the roof of the building.

6.2 SITE SETTING AND OBSERVATIONS

6.2.1 Hazardous Substances and Petroleum Products

Historical property uses used petroleum for heating and the maintenance of the building and its mechanical systems. Currently, fuel stored in a 125-gallon is used to power an emergency use generator. No other substances and petroleum products in connection with identified uses were identified during the subject property reconnaissance.

6.2.2 Storage Tanks

One 125-gallon steel diesel above ground storage tank (AST) was observed in the mechanical room. The AST looked to be in good shape, and no odors, corrosion, or pitting was observed.

Rupert Roy-Clark, the director of facilities, showed OTO the location of the former 10,000-gallon UST. The UST was removed in 2012 with oversight by New England Environmental. Six soil samples from the tank area were submitted to an analytical laboratory. As reported in New England Environmental' s UST Removal Report, "no TPHs or EPHs detected above laboratory method detection limits." The historic presence of this UST constitutes as an HREC.

6.2.3 Odors

No strong, pungent, or noxious odors were observed during our reconnaissance.

6.2.4 Pools of Liquid

Other than water pooled in outdoor recreational areas from a recent rain event, no other pools of standing water or liquids were observed.

6.2.5 Drums

No totes or intermediate bulk containers were observed at the subject property or immediately abutting the property. Eight (8) 55-gallon steel and plastic drums were observed on the north end of the subject property. The drums were filled with sand to stabilize a tent used for outdoor events at the property.

6.2.6 Hazardous Substances and Petroleum Products Containers

Paint containers that are five gallons or less were observed in the basement of 193 Chestnut Street. The concrete floor below the containers was in good condition and it was not stained. Containers with capacities 5-gallons or less are considered de minimis.

6.2.7 Unidentified Substance Containers

No unidentified substance containers suspected to contain hazardous substances or petroleum products were observed at the Site.

6.2.8 PCBs

One pad-mounted electrical transformer was observed near the southwest corner of subject building. No petroleum staining was observed on the concrete pad.

Transformers have historically contained PCBs. Without explicit knowledge that the observed transformer does not contain PCBs, their presence cannot be ruled out. Except for the above-mentioned transformer, no other electrical or hydraulic equipment known or likely to contain PCBs were observed during our reconnaissance.

Evaluation of fluorescent light ballasts, caulk, paint, or other materials that may contain PCBs, and are located inside and/or are part of the building structure is outside the scope of this assessment.

6.2.9 Interior Observations, Stains, Drains, Corrosion or Sumps

No significant stains or corrosion were observed within the building.

6.2.10 Pits, Ponds or Lagoons

No pits, ponds, or lagoons were observed on-Site or immediately adjoining the Site.

6.2.11 Stained Soil or Pavement

No stained soil or pavement indicative of a reportable release of oil was observed on-Site or immediately adjoining the Site. Floor drains were observed in bathrooms, the kitchen, and in mechanical areas of the building. The drainage destination for the observed drains is unknown.

6.2.12 Stressed Vegetation

No vegetation stressed from past chemical exposure from a reportable release of oil or hazardous substances was identified.

6.2.13 Solid Waste

No solid waste was observed outside of designate waste disposal areas. Dumpsters were observed near the subject building to the south of the recreational area bathrooms.

6.2.14 Wastewater

The subject property buildings are serviced by the municipal sanitary sewer system. No wastewater was observed at the Site. Catch basins were observed in the courtyard and paved areas.

6.2.15 Wells

No wells were identified (including dry wells, irrigation wells, injection wells, monitoring wells, abandoned wells or other wells).

6.2.16 Septic Systems

No septic systems were identified.

7.0 INTERVIEWS

7.1 INTERVIEWS WITH OWNERS/OCCUPANTS/SITE MANAGER

OTO interviewed the subject property director of facilities, Mr. Rupert Roy-Clark, of Amherst Public Schools, during the December 30, 2021, reconnaissance. Information provided in the interview was incorporated into appropriate sections of this report.

7.2 INTERVIEWS WITH LOCAL GOVERNMENT AGENCIES

The Amherst Fire Department was contacted on January 11, 2022. OTO requested the Fire Department provide public records pertaining to above and underground storage tanks (AST and UST), chemical storage, or emergency responses at the subject property. Michael Roy, Fire Prevention Officer, responded on January 12, 2021, indicating the removal of the 10,000-gallon fuel oil UST and quarterly building inspection reports as the only records related to the subject property on-file. Officer Roy provided a copy of the UST removal report which is attached in Appendix E.

On January 11, 2022, Amherst Board of Health representative Ed Smith, Health and Building Inspector, was interviewed regarding the subject property. Mr. Smith indicated that the Board of Health had no records related to the subject property. He also provided an email indicating that he found no items on file related to complaints, odors, sanitary issues, or storage of hazardous materials or chemical releases. He checked the Town of Amherst private wells in the state registry of wells and found none within 500 feet of the property and found no records of such wells in the Amherst Town files.

8.0 FINDINGS

A Phase I Environmental Site Assessment was conducted by OTO. Our assessment consisted of a records review, reconnaissance, interviews, review of User provided information, and preparation of this report.

The subject property covers approximately 11.5-acres and is improved with a single-story school building, restroom building, storage facility, recreational fields, vegetable garden, and paved surfaces. The eastern portion of the subject property is covered with dense forested floodplain. Based on the services and limitations summarized herein, this Phase I ESA has identified two Historic Recognized Environmental Conditions (HRECs), and one Business Environmental Risk (BER).

The subject property has a history of use as farmland and as a school building with associated recreational areas. The property was observed to be in use by the owner, as an elementary school. The property building consists of class, art, and technology rooms; and spaces used as a gymnasium, library, offices, cafeteria, and kitchen. The exterior of

the school consisted of recreational playing fields, parking and paved areas, a vegetable garden, and wooded area.

Abutting properties include commercial and residential properties to the north; commercial and residential properties, an undeveloped lot, the Saul Conservation Area, and farmland to the south; residential property to the west; and forested and farmland to the east.

The attached User Questionnaire indicates that the User is unaware of past chemical releases, environmental cleanups, or obvious indicators that point to the presence or likely presence of releases at the subject property.

A review of environmental records related to upgradient release sites showed the location of the former Amherst Manufactured Gas Plant (MGP) at 36 Pelham Road, abutting the subject property to the northeast. Historical records on MassDEP's Reportable Release File Viewer show the MGP disposal site boundary along Fort River which forms the eastern property boundary of the Site.

Based on our review of information, no previously reported state-listed oil or hazardous material releases are likely to have impacted Site soil or groundwater or present a potential source of vapor intrusion.

Environmental impacts due to activities at the former Amherst MGP are likely the only potential source of vapor intrusion impacts at the subject property. However, based on the location of the former Amherst MGP (positioned side and downgradient of the subject property) vapor intrusion risk is considered unlikely at the Site.

9.0 OPINION AND CONCLUSIONS

O'Reilly, Talbot & Okun Associates, Inc. (OTO) have performed a Phase I Environmental Site Assessment (ESA) of the subject property in general conformance with the scope and limitations of ASTM Standard E1527-13. Exceptions to, or deletions from this practice are described in Sections 2.4 and 10.0 of this report. Our assessment has identified the following Historic Recognized Environmental Conditions (HRECs), Business Environmental Risk (BER), and data gaps in connection with the subject property.

1. HREC: The former Amherst Manufactured Gas Plant (MGP), at 36 Pelham Road, abuts the property to the northeast. The disposal site boundary associated with the former Amherst MGP has been identified along Fort River and is approximated to cross into the subject property at the eastern property boundary.

2. HREC: A 10,000-gallon, No. 2 fuel oil, UST was used to power the heating system for the property building. In 2012, the UST was removed and the soils surrounding the UST were tested. Soil analytical results were below RCS-1 reportable concentrations indicating a reportable release had not occurred from the UST. Tank removal and soil testing addresses this HREC to the satisfaction of the applicable regulatory authority. Therefore, no further action is recommended for this HREC.

3. BER: Asbestos containing building materials (ACM) are present throughout the building and may need to be abated based on their condition. The quantity and condition of (ACM) was not evaluated as a part of this Phase I ESA, but its presence was noted in Asbestos Hazard Emergency Response Act reports for the subject property.

4. Data Gap: As indicated in the attached User Questionnaire, the results of a land title records search were not available at the time of this report, a potentially significant data gap within the scope of this ESA. This data gap is mitigated by the Massachusetts Department of Environmental Protection (MassDEP) Site list which allows us to search the subject property and surrounding area for Activity Use Limitations (AULs). One AUL is listed on the MassDEP Site list in the vicinity of the subject property. This AUL is on Pelham Road at the Town sewage pumping station and is not likely to affect the environmental condition of the subject property.

5. Data Gap: Access was not provided to the exterior storage facility in the southwest portion of the subject property.

No Recognized Environmental Conditions or other significant data gaps in connection with the subject property were identified by this assessment. As with many parcels, such as the subject property, the possible presence of undiscovered releases of oils or hazardous materials is a possibility that cannot be ruled out. As referred to in ASTM E1527-13 Standard Practice for Phase I ESAs, no ESA can wholly eliminate uncertainty regarding environmental matters in connection with a parcel of real estate.

10.0 DEVIATIONS

As indicated in the User Questionnaire, attached in Appendix C, the results and review of land title records were not available at the time of this report.

OTO interviewed the facility manager, Mr. Rupert Roy-Clark, of Amherst Public Schools, during the reconnaissance on December 30, 2021. OTO was not provided with contact information to interview past or present occupants, past owners, or past operators of the subject property.

Access was not provided to the exterior storage facility in the southwest portion of the subject property.

We are not aware of other significant deletions from the ASTM E1527-13 practice used to prepare this report. Historical records, databases, and other information reviewed or provided as part of this assessment may contain data gaps or data failures.

11.0 ADDITIONAL SERVICES

No additional services outside of the ASTM E1527-13 Standard Practices were performed in completing this report.

12.0 REFERENCES

MassDEP waste Site and Reportable Releases lookup, Amherst, Massachusetts, https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?TownName=AMHERST, reviewed online at on January 17, 2022.

MassDEP Online Priority Resource (21E) Map, available online at http://maps.massgis.state.ma.us/images/dep/mcp/mcp.htm, 11.5-acre parcel, 70 S. East Street, Amherst, Massachusetts, reviewed on January 16, 2022.

Environmental Risk Information Service (ERIS) Database Report, requested for 70 S. East Street, Amherst, Massachusetts on December 17, 2021.

ERIS – Historic Aerial Photographs, requested for 70 S. East Street, Amherst, Massachusetts on December 17, 2021.

ERIS – Historic City Directories, requested for 70 S. East Street, Amherst, Massachusetts on December 17, 2021.

ERIS – Sanborn Fire Insurance Map Research Results, requested for 70 S. East Street, Amherst, Massachusetts on December 17, 2021.

ERIS – Historic Topographic Map Report, requested for 70 S. East Street, Amherst, Massachusetts on December 17, 2021.

Tighe & Bond, 2021. *Post-Temporary Solution Status and Remedial Monitoring Report.* September 1, 2021.

13.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

Jonathan Hermanson declares that, to the best of his professional knowledge and belief, he meets the definition of Environmental Professional as defined in Part 312.10 of 40 CFR. OTO has the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. OTO has developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Jonathan Hermanson, an Environmental Scientist at OTO has over five years of experience in the consulting field. Since joining OTO, Mr. Hermanson has focused on conducting field work, data evaluation, environmental Site assessments, remediation activities, and assisting on human health risk assessment projects. Mr. Hermanson earned Bachelor of Science Degrees in Chemistry and Environmental Science from Tulane University in 2016.

Geologist Bruce Nickelsen is an Associate at OTO and has been conducting environmental assessments and managing remediation projects since 1986. His work frequently includes hydrogeological and remedial characterizations. He also has conducted many pre-transaction environmental assessments on commercial, industrial and residential properties. Mr. Nickelsen has been a Licensed Site Professional (LSP) in Massachusetts since the inception of the privatized system in 1994. He received his

Bachelors degree in Geology from Dartmouth College in 1979 and a Masters degree in Geology from SUNY Binghamton in 1983.

Christine Arruda, an Associate at OTO, is a Certified Indoor Environmental Consultant (CIEC), Massachusetts Licensed Asbestos Inspector, and AARST-NRPP Radon Measurement Professional. She has over 15 years of experience in the environmental consulting field. Ms. Arruda has focused on conducting field work, data evaluation, asbestos inspection services, indoor air quality assessments, and reporting activities at select sites in Connecticut, New Hampshire, and Massachusetts. She holds an A.S. from Charter Oak State College.

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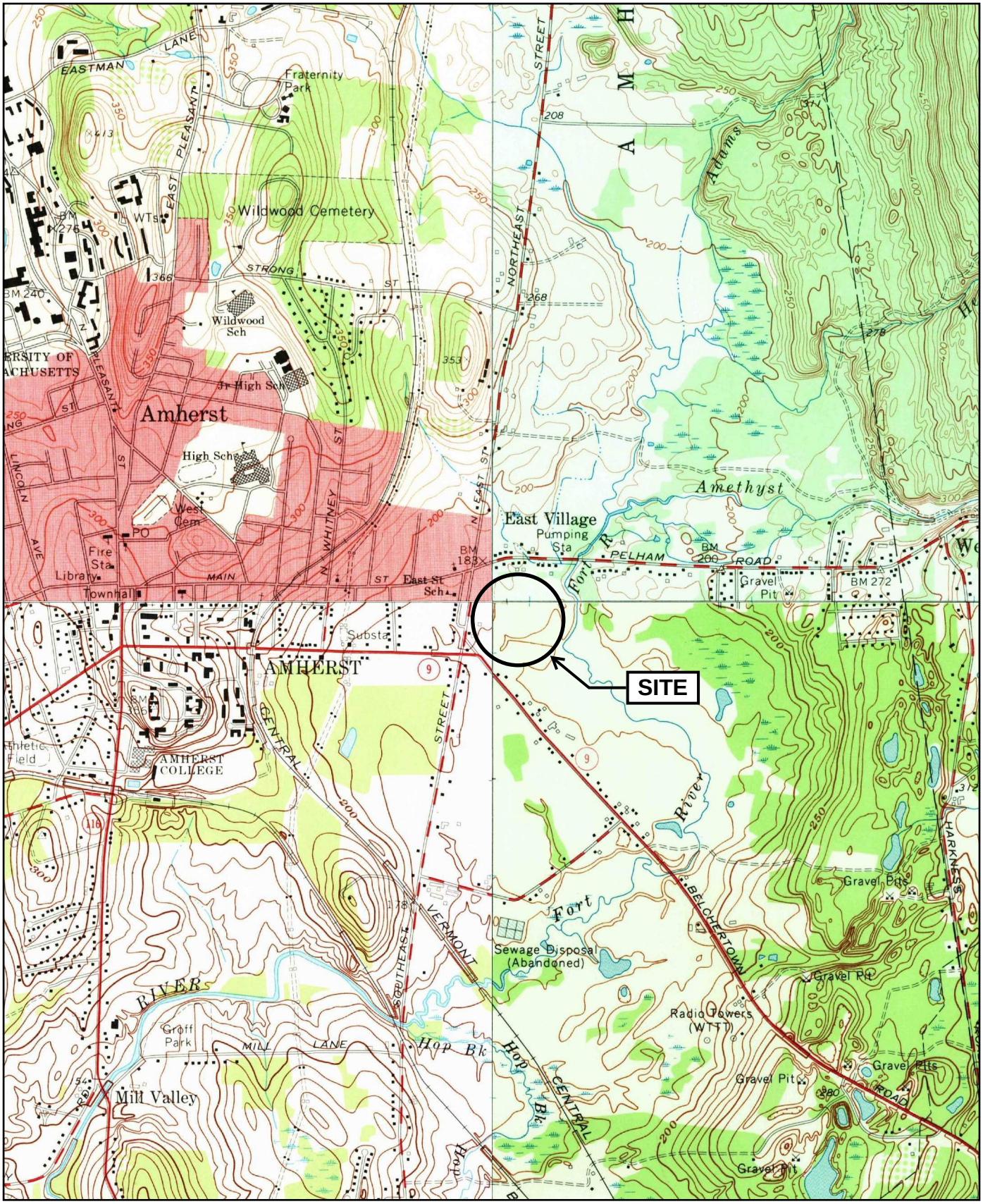
FIGURES



1:24,000 SCALE NATIONAL GEODETIC VERTICAL DATUM 1929 10 FOOT CONTOUR INTERVAL

FILE: O:\J2900\2936 DiNisco Design, Inc\05-01 Amherst Fort River School Project PHASE I ESAs\Fort River Elementary School\Figures\Figure 1 - Site Locus (24k scale).pdf

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES
293 Bridge Street, Suite 500 Springfield, MA 01103 413.788.6222
www.OTO-ENV.com

MAIN STREET RETAINING WALL

250 MAIN STREET
WINDSOR LOCKS, CONNECTICUT

SITE LOCUS

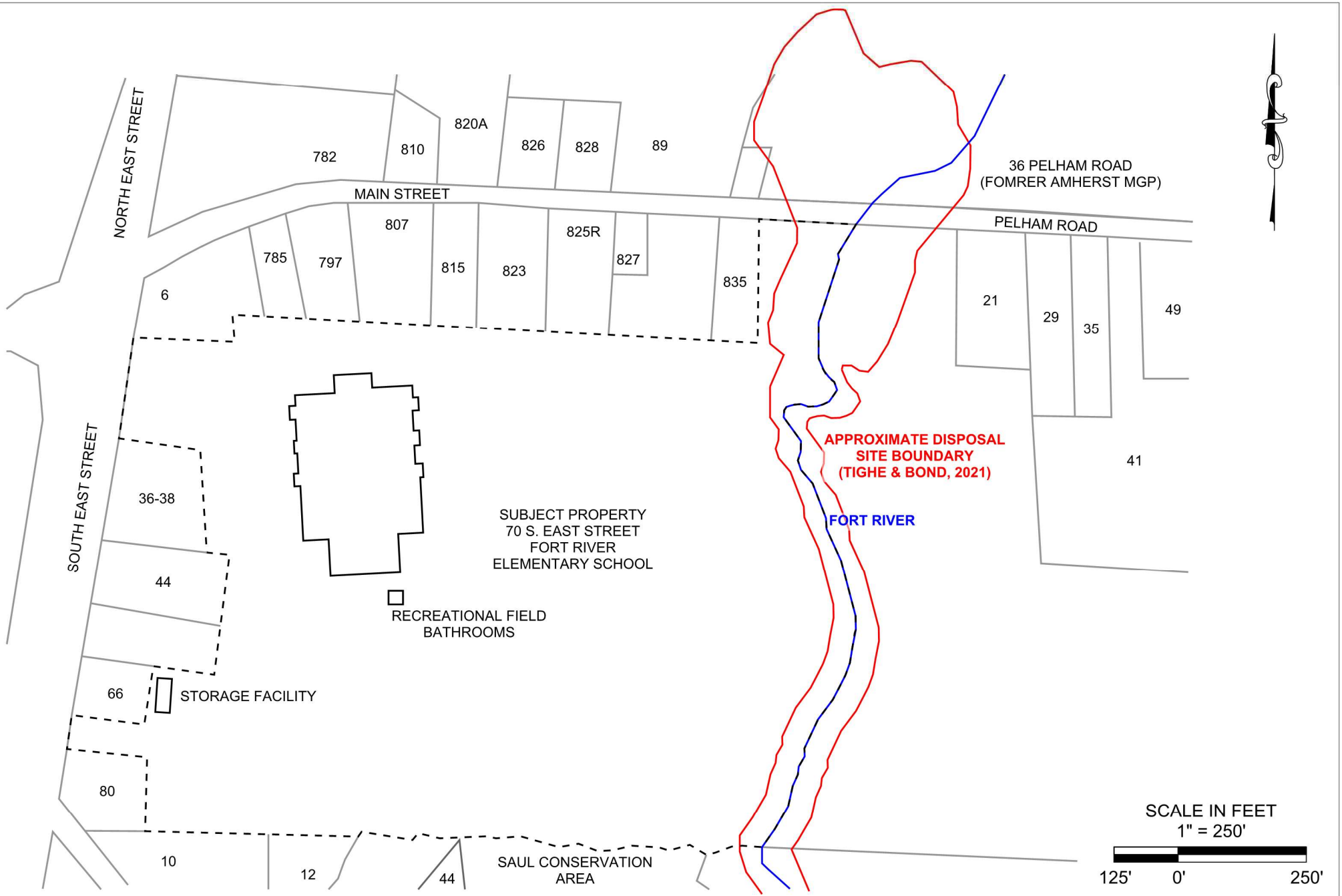
Topographic Map Quadrants:
BELCHERTOWN, MA (1964)
HOLYOKE, MA (1964)
MT. HOLYOKE, MA (1964)
MT. TOBY, MA (1971)

Map Version: 1964 and 1971
Current As Of: 1984

Date: JANUARY 2022

PROJECT No.
J2936-05-01

FIGURE No.
1



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DESIGNED BY: JSH
DRAWN BY: JSH
CHECKED BY: CDA
DATE: 01/17/2022
REV. DATE:

FORT RIVER ELEMENTARY SCHOOL

70 S. EAST STREET
AMHERST, MASSACHUSETTS

SITE SKETCH

PROJECT No.
J2936-05-01

FIGURE No.
2

APPENDIX A

LIMITATIONS

LIMITATIONS

1. Our report does not present scientific certainties, but rather our professional opinions on the data obtained through our assessment. Our report was prepared for the exclusive benefit of our client and its mortgage lender. Reliance upon the report and its conclusions is not made to third parties or future property owners. We would be pleased to discuss extension of reliance to third parties through execution of a written contract with such parties.
2. The observations presented in this report were made under the conditions described herein. The conclusions presented in this report were based solely upon the services described in the report and not on scientific tasks or procedures beyond the scope of the project or the time and budgetary constraints imposed by the client. The work described in this report was carried out in accordance with the contract Terms and Conditions.
3. In preparing the report, O'Reilly, Talbot, Okun & Associates, Inc. relied on certain information provided by state and local officials and other parties referenced herein, and on information contained in prior reports. Although there may have been some degree of overlap in the information provided by these sources, O'Reilly, Talbot, Okun & Associates, Inc. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this assessment.
4. Observations were made of the subject property and of the structures as indicated within the report. Where access to portions of the property, areas or to structures was unavailable or limited, we render no opinion as to the presence of hazardous materials or oil, or to the presence of indirect information relating to hazardous materials or oil in that portion of the property. In addition, we render no opinion as to the presence of hazardous materials or oil, where direct observations of portions of the property were obstructed by objects or coverings on or over these surfaces.
5. Unless otherwise specified in the Report, we did not perform testing or analyses to evaluate background conditions or determine the presence or concentration of asbestos at or in the environment at the subject property.
6. The purpose of this Report was to assess the physical characteristics of the subject property with respect to the presence of hazardous material or oil in soil or groundwater. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

TERMS & CONDITIONS OF ENGAGEMENT

THESE TERMS AND CONDITIONS AND THE "PROPOSAL" DATED DECEMBER 13, 2021 SUBMITTED BY O'REILLY, TALBOT & OKUN ASSOCIATES, INC. ("CONSULTANT") TO DINISCO DESIGN, INC. ("CLIENT"), MAKE UP THE "AGREEMENT" BETWEEN CLIENT AND THE CONSULTANT.

1. SERVICES AND STANDARD OF CARE: THE SERVICES REFERENCED IN OUR PROPOSAL DATED DECEMBER 13, 2021 BY CONSULTANT UNDER THIS AGREEMENT WILL BE CONDUCTED IN A MANNER CONSISTENT WITH THAT LEVEL OF CARE AND SKILL ORDINARILY EXERCISED BY MEMBERS OF THE PROFESSION CURRENTLY PRACTICING IN THE SAME LOCALITY UNDER SIMILAR CONDITIONS. NO OTHER REPRESENTATION, EXPRESSED, OR IMPLIED, AND NO WARRANTY OR GUARANTY IS INCLUDED OR INTENDED IN THIS AGREEMENT, OR IN ANY REPORT, OPINION, DOCUMENT, OR OTHERWISE.

2. GOVERNING LAW, SEVERABILITY AND DISPUTE RESOLUTION: THIS AGREEMENT SHALL BE GOVERNED AND ENFORCEABLE IN ACCORDANCE WITH THE LAWS OF MASSACHUSETTS. ANY ELEMENT OF THIS AGREEMENT LATER HELD TO VIOLATE A LAW OR REGULATION SHALL BE DEEMED VOID, AND ALL REMAINING PROVISIONS SHALL CONTINUE IN FORCE. TO RESOLVE CONFLICTS THAT ARISE IN CONNECTION WITH THE CONSULTANT'S SERVICES, THE CLIENT AND THE CONSULTANT AGREE THAT DISPUTES BETWEEN THEM ARISING OUT OR RELATED TO THIS AGREEMENT SHALL BE SUBMITTED TO NONBINDING MEDIATION.

3. ASSIGNMENT: NEITHER PARTY TO THIS AGREEMENT SHALL ASSIGN ITS DUTIES AND OBLIGATIONS HEREUNDER WITHOUT PRIOR WRITTEN CONSENT OF THE OTHER PARTY, EXCEPT THAT CONSULTANT MAY USE THE SERVICES OF PERSONS AND ENTITIES NOT IN ITS EMPLOY, WHEN IT IS NECESSARY OR CONSULTANT DEEMS APPROPRIATE. SUCH PERSONS AND ENTITIES MAY INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO; SURVEYORS, SPECIALTY CONSULTANTS, DRILLING CONTRACTORS, AND TESTING LABORATORIES.

4. TERMINATION: CLIENT MAY TERMINATE THIS AGREEMENT WITHOUT PENALTY UPON SEVEN (7) CALENDAR DAYS WRITTEN NOTICE TO CONSULTANT, PROVIDED, THAT CLIENT SHALL BE OBLIGATED PURSUANT TO THE TERMS HEREOF FOR ALL SERVICES PERFORMED AND OBLIGATIONS INCURRED BY CONSULTANT ON CLIENT'S BEHALF AS OF THE EFFECTIVE DATE OF TERMINATION. SUCH SERVICES SHALL INCLUDE THOSE RENDERED UP TO THE DATE OF TERMINATION, AS WELL AS THOSE REASONABLE COSTS ASSOCIATED WITH THE TERMINATION ITSELF, SUCH AS DEMOBILIZATION. CONSULTANT MAY TERMINATE THIS AGREEMENT UPON SEVEN (7) CALENDAR DAYS WRITTEN NOTICE TO CLIENT OF NON-PAYMENT OF INVOICES WITHIN THE FORTY-FIVE (45) DAY PERIOD DESCRIBED IN ARTICLE 5 OF THIS AGREEMENT. IN THE EVENT OF TERMINATION FOR NON-PAYMENT OF INVOICES, CLIENT WILL BE RESPONSIBLE FOR ALL REASONABLE TERMINATION COSTS INCURRED BY CONSULTANT.

5. PAYMENT: PAYMENT IS DUE UPON INVOICE PRESENTATION AND NO LATER THAN FORTY-FIVE (45) DAYS FROM INVOICE DATE. THE UNPAID BALANCE AFTER 45 DAYS FROM THE INVOICE DATE WILL BE SUBJECT TO A FINANCE CHARGE OF 1-1/2 PERCENT PER MONTH, OR THE MAXIMUM LAWFUL ANNUAL INTEREST RATE, WHICHEVER IS LESS. ANY OBJECTION TO AN INVOICES OR PORTION THEREOF MUST BE MADE BY THE CLIENT, IN WRITING, WITHIN 14 DAYS OF INVOICE PRESENTATION OR THE OBJECTION WILL BE WAIVED. THE UNPAID BALANCE AFTER 90 DAYS OF INVOICE

PRESENTATION WILL BE SUBJECT TO COLLECTION CHARGES WHICH MAY INCLUDE REASONABLE ATTORNEY'S FEES, COURT COSTS, CONSULTANT EXPENSE AND PROFESSIONAL TIME AT STANDARD RATES SPENT IN CONNECTION WITH A COLLECTION ACTION. CONSULTANT HAS THE OPTION TO SUSPEND WORK ACTIVITIES UNDER THIS AGREEMENT FOR NONPAYMENT OR LATE PAYEMENT OF INVOICES SEVEN (7) CALENDAR DAYS AFTER PROVIDING NOTICE TO CLIENT. SUCH SUSPENSION MAY CONTINUE AT THE CONSULTANT'S DISCRETION, WITHOUT CONSEQUENCE, UNTIL PAYMENT IN FULL FOR OUTSTANDING INVOICES IS RECEIVED.

6. ESCALATION: IF THE SERVICES DESCRIBED IN THE PROPOSAL REQUIRE LONGER THAN 12 MONTHS TO COMPLETE, THEN THE CONSULTANT SHALL HAVE THE OPTION TO INCREASE THE PROJECT FEE SO AS TO COMPENSATE FOR ITS INCREASED COSTS DURING THE TERM OF THE PROJECT ON OR AFTER THE PROPOSAL'S ANNIVERSARY DATE. THE INCREASE IN FEE WILL BE AFFECTED BY THE SUBSTITUTION OF THE CONSULTANT'S THEN CURRENT STANDARD FEE SCHEDULE IN PLACE OF THE FEE SCHEDULE ORIGINALLY INCLUDED WITH THE PROPOSAL. ONLY THE PREVIOUSLY UNBILLED PORTION OF THE FEE WILL BE MODIFIED BY THE ESCALATION. THE CONSULTANT'S OPTION UNDER THIS SECTION MAY BE EXERCISED ON EACH SUBSEQUENT ANNIVERSARY OF THE PROPOSAL DATE UNTIL THE APPLICABLE SERVICES ARE COMPLETED.

7. RIGHT OF ENTRY: CLIENT SHALL PROVIDE TO CONSULTANT, AND ITS SUBCONTRACTORS, ACCESS TO ANY SITE NECESSARY TO PERFORM THE SCOPE OF SERVICES INCLUDED HEREUNDER. CLIENT UNDERSTANDS THAT CERTAIN TASKS, SUCH AS FIELD EXPLORATIONS, MAY CAUSE DAMAGE. THE CONSULTANT SHALL BE RESPONSIBLE FOR SUCH DAMAGE TO THE EXTENT CAUSED BY OUR NEGLIGENT ACTS.

8. UNDERGROUND STRUCTURES: IF SUBSURFACE EXPLORATIONS ARE PERFORMED, CONSULTANT WILL CONTACT THE APPROPRIATE GOVERNMENT AND/OR PRIVATE AGENCY WHICH LOCATES SUBSURFACE UTILITIES. CLIENT WILL PROVIDE CONSULTANT WITH ALL PLANS AND OTHER INFORMATION IN CLIENT'S POSSESSION OR CONTROL CONCERNING SITE UNDERGROUND STRUCTURES. ON SITES NOT OWNED BY CLIENT, WE WILL REQUEST UTILITY LOCATIONS AND OTHER PLANS FROM THE SITE OWNER OR OTHER PERSON(S) DESIGNATED BY CLIENT. CLIENT AGREES TO ACCEPT THE RISKS OF DAMAGE AND LOSS ASSOCIATED WITH REPAIR OR RESTORATION OF ANY IMPROVEMENTS NOT LOCATED ON PLANS AND OR IDENTIFIED IN INFORMATION PROVIDED TO CONSULTANT.

9. SAMPLES/MANIFEST: UNLESS OTHERWISE REQUESTED IN WRITING, CONSULTANT MAY DISPOSE OF ALL SOIL, ROCK, WATER AND ALL OTHER SAMPLES THIRTY (30) DAYS AFTER CONSULTANT SUBMITS ITS FINAL REPORT FOR THE SERVICES DESCRIBED IN THIS AGREEMENT. UNLESS OTHERWISE INDICATED, COSTS ASSOCIATED WITH TESTING, STORAGE AND DISPOSAL OF ANY SAMPLES WHICH COULD BE CONSIDERED HAZARDOUS UNDER STATE OR FEDERAL LAW OR REGULATIONS HAVE NOT BEEN INCLUDED IN COST ESTIMATES PROVIDED TO CLIENT. ARRANGEMENTS FOR TRANSPORT, TREATMENT, STORAGE, AND DISPOSAL (INCLUDING SAMPLES NOT SO REMOVED), WILL BE MADE BY CLIENT, AT CLIENT'S EXPENSE.

10. FIELD OBSERVATION SERVICES: CONSULTANT'S SERVICES WILL NOT INCLUDE THE DIRECTION OR SUPERVISION OF A CONTRACTOR OR SUBCONTRACTOR OTHER THAN

THOSE CONTRACTED DIRECTLY BY CONSULTANT. OUR SERVICES DO NOT INCLUDE RESPONSIBILITY FOR HEALTH AND SAFETY PRACTICES PERFORMED BY OTHERS ON THE SITE.

11. JOBSITE SAFETY: NEITHER THE PROFESSIONAL ACTIVITIES OF THE CONSULTANT, NOR THE PRESENCE OF THE CONSULTANT OR ITS EMPLOYEES AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL IMPOSE ANY DUTY ON THE CONSULTANT, NOR RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE CONSULTANT AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE CLIENT AGREES THAT THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOBSITE AND WORKER SAFETY AND WARRANTS THAT THIS INTENT SHALL BE CARRIED OUT IN THE CLIENT'S CONTRACT WITH THE GENERAL CONTRACTOR. THE CLIENT ALSO AGREES THAT THE GENERAL CONTRACTOR SHALL DEFEND AND INDEMNIFY THE CLIENT, THE CONSULTANT AND THE CONSULTANT'S SUBCONSULTANTS. THE CLIENT ALSO AGREES THAT THE CONSULTAN AND THE CONSULTANT'S SUBCONSULTANTS SHALL BE MADE ADDITIONAL INSUREDS UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE.

12. OWNERSHIP OF DOCUMENTS: ALL REPORTS, BORING LOGS, FIELD DATA, FIELD NOTES, LABORATORY TEST DATA, CALCULATIONS, ESTIMATES, AND OTHER DOCUMENTS PREPARED BY CONSULTANT AS INSTRUMENTS OF SERVICE SHALL REMAIN THE SOLE PROPERTY OF CONSULTANT. CONSULTANT SHALL RETAIN RECORDS FOR A PERIOD OF THREE YEARS. AT CLIENT'S REQUEST, CONSULTANT WILL PROVIDE REASONABLE ACCESS OR COPIES OF SUCH DOCUMENTS. REPRODUCTION COSTS WILL BE AT CLIENT'S EXPENSE.

13. DISCLOSURE OF INFORMATION: CLIENT WILL INFORM CONSULTANT OF ALL INFORMATION IN CLIENT'S POSSESSION OR CONTROL RELEVANT TO THE PERFORMANCE OF CONSULTANT'S SERVICES. THIS INFORMATION INCLUDES, BUT IS NOT LIMITED TO ALL PRIOR SITE REPORTS, WASTE DISPOSAL MANIFESTS, PERMITS, AND ANALYTICAL DATA. CLIENT WILL INDEMNIFY, DEFEND, AND HOLD CONSULTANT HARMLESS OF AND FROM ALL LOSS OR DAMAGE RESULTING FROM ANY CLAIM THAT ARISES, IN WHOLE OR IN PART, AS A RESULT OF INFORMATION CLIENT FAILS TO DISCLOSE TO CONSULTANT.

14. THIRD PARTY RIGHTS: UNLESS OTHERWISE SPECIFIED IN THE AGREEMENT, THE AGREEMENT SHALL NOT CREATE ANY RIGHTS OR BENEFITS TO PARTIES OTHER THAN CLIENT AND CONSULTANT.

15. LIMITATION OF PROFESSIONAL LIABILITY: CLIENT AGREES TO LIMIT CONSULTANT'S LIABILITY TO CLIENT AND ALL THIRD PARTIES ARISING FROM CONSULTANT'S PROFESSIONAL ACTS, ERRORS, AND OMISSIONS, SUCH THAT THE AGGREGATE LIABILITY OF CONSULTANT AND ITS EMPLOYEES, AND PERSONS OR ENTITIES ACTING ON CONSULTANT'S BEHALF SHALL NOT EXCEED $100,000.00 OR CONSULTANT'S TOTAL FEE FOR SERVICES UNDER THIS AGREEMENT, WHICHEVER IS GREATER. THIS

TOTAL LIMIT OF PROFESSIONAL LIABILITY INCLUDES BUT IS NOT LIMITED TO THE SUM OF CLAIMS ARISING FROM BREACH OF CONTRACT, STRICT LIABILITY, AS WELL AS INDIRECT AND CONSEQUENTIAL DAMAGES. CONSULTANT MAY, UPON CLIENT'S WRITTEN REQUEST, AGREE TO INCREASE THE ABOVE LIMIT OF CONSULTANT'S PROFESSIONAL LIABILITY IN CONSIDERATION OF PAYMENT BY CLIENT OF ADDITIONAL MONETARY AND OTHER CONSIDERATION.

16. CERTIFICATIONS, GUARANTEES AND WARRANTEES: CONSULTANT CANNOT AND DOES NOT OFFER CERTIFICATIONS, GUARANTEES OR WARRANTEES REGARDING ITS SERVICES. THE CONSULTANT OFFERS PROFESSIONAL OPINIONS REGARDING THE STATUS OF ENGINEERING AND SCIENTIFIC MATTERS BASED UPON AVAILABLE LIMITED INFORMATION.

17. CONSEQUENTIAL DAMAGES: NOTWITHSTANDING ANY OTHER PROVISION OF THIS AGREEMENT, AND TO THE FULLEST EXTENT PERMITTED BY LAW, NEITHER THE CLIENT NOR THE CONSULTANT, THEIR RESPECTIVE OFFICERS, DIRECTORS, PARTNERS, EMPLOYEES, CONTRACTORS OR SUBCONSULTANTS SHALL BE LIABLE TO THE OTHER OR SHALL MAKE ANY CLAIM FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR CONNECTED IN ANY WAY TO THE PROJECT OR TO THIS AGREEMENT. THIS MUTUAL WAIVER OF CONSEQUENTIAL DAMAGES SHALL INCLUDE, BUT IS NOT LIMITED TO, LOSS OF USE, LOSS OF PROFIT, LOSS OF BUSINESS, LOSS OF INCOME, LOSS OF REPUTATION OR ANY OTHER CONSEQUENTIAL DAMAGES THAT EITHER PARTY MAY HAVE INCURRED FROM ANY CAUSE OF ACTION INCLUDING NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT AND BREACH OF STRICT OR IMPLIED WARRANTY. BOTH THE CLIENT AND THE CONSULTANT SHALL REQUIRE SIMILAR WAIVERS OF CONSEQUENTIAL DAMAGES PROTECTING ALL THE ENTITIES OR PERSONS NAMED HEREIN IN ALL CONTRACTS AND SUBCONTRACTS WITH OTHERS INVOLVED IN THIS PROJECT.

18. PROFESSIONAL SERVICES BY CONSULTANT EMPLOYEES HOLDING LICENSE(S) AND/OR REGISTRATION(S): IN CONDUCTING CERTAIN PROFESSIONAL SERVICES, CONSULTANT EMPLOYEES MAY ACT IN THEIR CAPACITY AS LICENSED AND/OR REGISTERED PROFESSIONALS AND/OR PROFESSIONAL ENGINEERS, IN ACCORDANCE APPLICABLE LAWS AND LICENSING/REGISTRATION REQUIREMENTS. CLIENT ACKNOWLEDGES THAT IN PERFORMING THESE SERVICES, THE CONSULTANT, THROUGH ITS LICENSED AND/OR REGISTERED PROFESSIONALS, IS BOUND BY LICENSE AND/OR REGISTRATION REQUIREMENTS AND/OR STATE LAW TO MEET APPLICABLE REQUIREMENTS. CLIENT FURTHER ACKNOWLEDGES THAT THE CONSULTANT'S DUTY TO COMPLY WITH PROFESSIONAL LICENSING/REGISTRATION REQUIREMENTS AND STATE LAW MAY IN SOME INSTANCES CONFLICT WITH CLIENT INTERESTS; IN THESE CASES, THE CONSULTANT WILL SEEK TO COMPLY WITH PROFESSIONAL REQUIREMENTS AND THE LAW.

19. THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) CONDUCTS RANDOM AND TARGETED COMPLIANCE AUDITS OF RESPONSE ACTIONS UNDER THE MCP, AND IN ADDITION INTENDS TO AUDIT ALL RESPONSE ACTIONS WHICH INCLUDE ACTIVITY AND USE LIMITATIONS (AULS). CLIENT ACKNOWLEDGES THAT CLIENT IS RESPONSIBLE FOR ALL COSTS ARISING OUT OF CONSULTANT'S ACTIONS TO COMPLY WITH DEP REQUESTS DURING AN AUDIT, INCLUDING CONSULTANT'S FEES FOR TIME AND MATERIALS USED IN PREPARING RESPONSES. THESE COSTS ARE NOT INCLUDED IN CONSULTANT'S CURRENT BUDGET FOR THIS PROPOSAL, UNLESS THE PROPOSAL SPECIFICALLY STATES OTHERWISE.

APPENDIX B

PROPERTY RECORD INFORMATION

Property Location 70 SOUTH EAST ST | Map ID 15A/ / 47/ / | Bldg Name | State Use 9034
Vision ID 347 | Account # | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 1 | Print Date 7/22/2021 3:33:37 PM

CURRENT OWNER

TOWN OF AMHERST - SCHOOL DEP

TOWN HALL

AMHERST MA 01002

TOPO	UTILITIES	STRT / ROAD	LOCATION
	2 Public Water		
	3 Public Sewer		

SUPPLEMENTAL DATA

Alt Prcl ID	FORT RIVER SCHOOL	Precinct	
Calc Front	461.5	Vote At	
		Tenant	
		Parent	
BIDIN		PRC Creat	
BIDOUT			
GIS ID	F_386611_2963175	Assoc PID#	

CURRENT ASSESSMENT

Type Desc	ASH Co	Appraised	Assessed
EXEMPT	9030	29,865,500	29,865,500
EXM LAND	9030	478,400	478,400
Total		30,343,900	30,343,900

601

AMHERST, MA

VISION

RECORD OF OWNERSHIP

RECORD OF OWNERSHIP	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
TOWN OF AMHERST - SCHOOL DEPT	1638	0169	06-07-1972			1	
AMHERST, TOWN OF	1610	0477	11-02-1971			0	
HEATH, WEYMOUTH B & JEAN L	1599	0532	07-09-1971			0	
HEATH, WEYMOUTH	DOC#	0	01-01-1969			0	
HEATH, JOY C	1079	0103				0	

PREVIOUS ASSESSMENTS (HISTORY)

FY	ASH C	Assessed	FY	ASH C	Assessed	FY	ASH C	Assessed
2021	9030	29,865,500	2020	9030	29,864,400	2019	9030	27,187,100
	9030	478,400		9030	478,400		9030	478,400
				9030	1,100		9030	1,100
	Total	30,343,900		Total	30,343,900		Total	27,666,600

EXEMPTIONS

Year	Ex Cod	Ex Type	Amount
		Total	0.00

OTHER ASSESSMENTS

OAS C	OAS Descriptio	OAS#	Amount	Com Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	PRC Sub Div	Tracing #	Batch
EA				

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	29,805,000
Appraised Xf (B) Value (Bldg)	59,400
Appraised Ob (B) Value (Bldg)	1,100
Appraised Land Value (Bldg)	478,400
Special Land Value	0
Total Appraised Parcel Value	30,343,900
Valuation Method	C
Total Appraised Parcel Value	30,343,900

NOTES

DONATED REST ROOM
FACILITIES FOR PUBLIC
PLAYGROUND
FORT RIVER SCHOOL

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments
ELE20-0171	08-29-2019	EL	Electric	0		0		TEMP WIRING CHILLER,GFC
ELE17-0407	11-23-2016	EL	Electric	0		0		DOOR OPENER
BLD16-046	10-28-2015	RE	Remodel	58,560		0		FIRE ALARM VOICE EVALUA
ELE16-0347	10-23-2015	EL	Electric	0		0		INSTL FIRE ALARM, FORT RI
ELE15-0874	04-01-2015	EL	Electric	0		0		OUTDOOR FIXTURES
ELE14-0122	08-20-2013	EL	Electric	0		0		ELECTRICFY ENTRY DOOR
ELE12-0111	08-18-2011	EL	Electric	0		0		WIRE NEW BOILERS

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result
03-05-1984	A				

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nhbd Adj	Notes	Location Adjustment		Adj Unit Pric	Land Value
1	9034	Municpal C	RN2		20,000	SF	6.76	1.00000	5	1.00	EA	1.000	SCHOOL SITE		0		135,200
1	9034	Municpal C	RN2		67,120	SF	3.6	1.15000	0	1.00	EA	1.000			0		277,900
1	9034	Municpal C	RN2		9.460	AC	10,000	1.15000	0	1.00	EA	1.000			0		65,300
		Total Card Land Units			11.46	AC	Parcel Total Land Area:			11.46						Total Land Value	478,400

Property Location 70 SOUTH EAST ST | Map ID 15A/ / 47/ / | Bldg Name | State Use 9034
Vision ID 347 | Account # | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 1 | Print Date 7/22/2021 3:33:38 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	74	School/Public
Model	94	Commercial
Grade	11	B
Stories:	1	
Occupancy	0.00	
Exterior Wall 1	20	Brick/Masonry
Exterior Wall 2		
Roof Structure	01	Flat
Roof Cover	02	Rolled Compos
Interior Wall 1	05	Drywall/Sheet
Interior Wall 2		
Interior Floor 1	04	Concr Abv Grad
Interior Floor 2		
Heating Fuel	02	Oil
Heating Type	05	Hot Water
AC Type	01	None
Bldg Use	9034	Municpal C
Total Rooms		
Total Bedrms	00	
Total Baths	9	
Foundation		
Heat/AC	02	Heat/Ac Split
Frame Type	03	Masonry
Baths/Plumbing	03	Above Average
Ceiling/Wall	03	Sus-Ceil/Mn Wl
Rooms/Prtns	03	Above Average
Wall Height	12.00	
% Comn Wall	0.00	
1st Floor Use:	9034	

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd	Description

MIXED USE

Code	Description	Percentage
9034	Municpal C	100
		0
		0

COST / MARKET VALUATION

RCN	40,828,806
Year Built	1976
Effective Year Built	
Depreciation Code	A
Remodel Rating	
Year Remodeled	
Depreciation %	27
Functional Obsol	0
External Obsol	0
Trend Factor	1
Condition	
Condition %	
Percent Good	73
RCNLD	29,805,000
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	

BAS
(108,000 sf)

OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Code	Description	L/B	Units	Unit Price	Yr Blt	Cond. Cd	% Good	Grade	Grade Adj	Appr. Value
SPR2	Sprinklers wet	B	108,00	1.10	1990		50		0.00	59,400
SHD1	Shed Frame	L	225	8.00	1976		60		0.00	1,100

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Lease Area	Floor Area	Eff Area	Unit Cost	RCN
BAS	First Floor	108,000	108,000	108,000	378.04	40,828,806
		108,000	108,000	108,000		40,828,806

APPENDIX C

USER QUESTIONNAIRE & PROVIDED INFORMATION

ASTM E1527-13
User Questionnaire

Site Name and Address: Fort River Elementary School
70 South East Street, Amherst MA 01002
Owner: Town of Amherst, School Department

Occupant: Fort River Elementary School

Form Completed By: Rupert Ray-Clark, Facilities Director

Date: 1/19/22

Representing: Amherst Public Schools

In order to qualify for one of the landowner liability protections (LLPs) offered by the Small Business Liability Relief and Brownfield Revitalization Act of 2001 (the "Brownfields Amendments"), the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29., 312.30 and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The User should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

(1.) Did a search of recorded land title records (or judicial records where appropriate[1]) identify any environmental liens filed or recorded against the Property under federal, tribal, state or local law? If "yes", please list all that apply.

Unknown

(2.) Did a search of recorded land title records (or judicial records where appropriate[1]) identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Property and/or have been filed or recorded against the Property under federal, tribal, state or local law? If "yes", please list all that apply.

Unknown

[1] In certain jurisdictions, federal, tribal, state, or local statues, or regulations specify that environmental liens and Activity and Use Limitations (AULs) be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(3.) Do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining property so that you would have specialized knowledge of the chemical and processes used by this type of business? If "yes", please explain. I have been the Facilities Director since January 2019 For the property in question

(4.) a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? unknown

b) If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property?

N/A

(5.) Are you aware of commonly known or reasonably ascertainable information about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example: I have provided D. Nisco & O.T.O. with all the paperwork for removal of the UST.

☐Do you know of past uses of the property? If "yes", please list. NO

☐Do you know of specific chemicals that are or once were present at the property? If "yes", what kind of chemicals? NO, other than heating fuel oil

☐Do you know of spills or other chemical releases that have taken place at the property? If "yes", please list. NO

☐Do you know of any environmental cleanups that have taken place at the property? If "yes", please list.

No

(6.) Based on your knowledge and experience related to the Property are there any obvious indicators that point to the presence or likely presence of releases at the Property? If "yes", please explain. Yes. This property is an abutter to Fort River, downstream of the former Amherst Manufactured Gas Plant, Pelham Road Amherst, with historical release of coal tar. REF: Release Tracking Number RTN 1-14253

In addition, certain information should be collected, if available, and provided to the environmental professional conducting the Phase I Environmental Site Assessment. This information is intended to assist the environmental professional, but is not necessarily required to qualify for one of the LLPs. The information includes:

(1.) The reason why the Phase I is being performed;

Potential site for school building Add/Remd/New building

(2.) The type of property and type of property transaction, for example, sale, purchase, exchange, etc.;

Property currently owned by Town of Amherst School Department. If selected as site for future building, will remain property of School Department. If not, will likely be transferred to a different town department.

(3.) The complete and correct address for the Property (a map or other documentation showing the property location and boundaries is helpful);

70 South East Street, Amherst MA. Parcel 15A-47

See attached

(4.) The scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services or whether any considerations beyond the requirements of practice E1527 are to be considered);

unknown

(5.) Identification of all parties who will rely on the Phase I report;

unknown

(6.) Name and contact information of the Site property owner or key site manager.

Rupert Roy-Clark, Facilities Director
Amherst Public Schools
170 Chestnut St., Amherst MA 01002

(7.) Any special terms and conditions which must be agreed upon by the environmental professional; and

unknown

(8.) Any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the property and its environmental condition).

ATHERA REPORTS – provided previously
UNDERGROUND STORAGE TANK Removal paperwork – Provided previously
Tighe & Bond Phase IV Completion and Temporary Solution
Sheded, March 9, 2021 – Attached

APPENDIX D

DATABASE REPORTS

DATABASE REPORT

Project Property:	*Fort River Elementary School* *70 South East Street* *Amherst MA 01002*
Project No:	*2936-05-01*
Report Type:	*Database Report*
Order No:	*21121700085*
Requested by:	*O'Reilly, Talbot & Okun Associates, Inc.*
Date Completed:	*December 21, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
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Executive Summary

Property Information:

Project Property:		*Fort River Elementary School* *70 South East Street Amherst MA 01002*
Project No:		*2936-05-01*
Coordinates:		
	Latitude:	*42.37478576*
	Longitude:	*-72.49771398*
	UTM Northing:	*4,694,422.69*
	UTM Easting:	*706,019.00*
	UTM Zone:	*UTM Zone 18T*
Elevation:		*173 FT*

Order Information:

Order No:	*21121700085*
Date Requested:	*December 17, 2021*
Requested by:	*O'Reilly, Talbot & Okun Associates, Inc.*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	**1**	0	-	-	**1**
RCRA VSQG	Y	0.25	0	**2**	**2**	-	-	**4**
RCRA NON GEN	Y	0.25	0	**4**	0	-	-	**4**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RELEASE	Y	1	0	**12**	**5**	**9**	**25**	**51**
DELISTED REL	Y	1	0	0	0	**1**	0	**1**
SWF/LF	Y	0.5	0	0	0	0	-	0
LST	Y	0.5	0	**4**	**4**	**6**	-	**14**
LUST	Y	0.5	0	**4**	**3**	**6**	-	**13**
LAST	Y	0.5	0	**1**	**1**	0	-	**2**
DELISTED LST	Y	0.5	0	0	0	0	-	0
HIST LUST	Y	0.5	0	**1**	**1**	**1**	-	**3**
HIST LAST	Y	0.5	0	**1**	0	0	-	**1**
UST	Y	0.25	0	**3**	**2**	-	-	**5**
AST	Y	0.25	0	0	**9**	-	-	**9**
DELISTED STORAGE TANK	Y	0.25	0	0	0	-	-	0
AUL	Y	0.5	0	0	**1**	0	-	**1**
BROWNFIELDS COV	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							
Additional Environmental Records								
Federal								
FINDS/FRS	Y	PO	**3**	-	-	-	-	**3**
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	**1**	-	-	-	-	**1**
FED DRYCLEANERS	Y	0.25	0	**1**	0	-	-	**1**
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
SPILLS	Y	0.125	0	**10**	-	-	-	**10**
HIS SPILLS	Y	0.125	0	**2**	-	-	-	**2**
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANER	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
OIL & HAZ MAT	Y	0.25	0	**1**	0	-	-	**1**
GEN	Y	0.125	0	**5**	-	-	-	**5**
TIER 2	Y	0.125	0	0	-	-	-	0
ASBESTOS PROJECT	Y	0.125	**5**	**20**	-	-	-	**25**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Tribal	*No Tribal additional environmental record sources available for this State.*							
County	*No County additional environmental record sources available for this State.*							
	Total:		*9*	*72*	*28*	*23*	*25*	*157*

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	FORT RIVER ELEMENTARY	70 SOUTH EAST STREET AMHERST MA 01002 **Registry ID:** *110022236089*	E	0.00 / 0.00	0	42
1	FINDS/FRS	FORT RIVER SCHOOL	70 EAST ST S AMHERST MA 010020000 **Registry ID:** *110043895470*	E	0.00 / 0.00	0	42
1	FINDS/FRS	FORT RIVER SCHOOL	70 SOUTHEAST ST AMHERST MA 01002-2493 **Registry ID:** *110024361750*	E	0.00 / 0.00	0	43
1	ICIS	FORT RIVER ELEMENTARY	70 SOUTH EAST STREET AMHERST MA 01002 **Registry ID:** *110022236089*	E	0.00 / 0.00	0	43
1	ASBESTOS PROJECT	FORT RIVER SCHOOL-AMHERST/PELHAM REG. SCHL	70 SOUTHEAST STREET AMHERST MA	E	0.00 / 0.00	0	44
1	ASBESTOS PROJECT	FORT RIVER SCHOOL-AMHERST/PELHAM	70 SOUTH EAST STREET AMHERST MA	E	0.00 / 0.00	0	44
1	ASBESTOS PROJECT	FORT RIVER ELEMENTARY SCHOOL	70 SOUTHEAST STREET AMHERST MA	E	0.00 / 0.00	0	44
1	ASBESTOS PROJECT	FORT RIVER SCHOOL-AMHERST/PELHM REGS. SCHL	70 SOUTH EAST STREET AMHERST MA	E	0.00 / 0.00	0	45
1	ASBESTOS PROJECT	FORT RIVER SCHOOL	70 SOUTH EAST STREET AMHERST MA	E	0.00 / 0.00	0	45

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	UST	W S PICKERING & SON INC	835 MAIN ST AMHERST MA	NE	0.01 / 37.04	1	45
			Facility ID: 175 ***Tank ID | Status | Status Date:*** 1 | Tank Removed | 5/29/1987, 2 | Tank Removed | 5/29/1987, 3 | Tank Removed | 1/18/1995				
3	ASBESTOS PROJECT	TRUDY SMITH	785 MAIN STREET AMHERST MA	NW	0.04 / 212.97	8	47
4	ASBESTOS PROJECT	JEWISH COMMUNITY OF AMHERST	742 MAIN ST. AMHERST MA	WNW	0.04 / 235.09	15	47
4	ASBESTOS PROJECT	JEWISH COMMUNITY OF AMHERST	742 MAIN STREET AMHERST MA	WNW	0.04 / 235.09	15	47
4	ASBESTOS PROJECT	Jewish Community Of Amherst	742 Main Street AMHERST MA	WNW	0.04 / 235.09	15	47
5	RELEASE	SOUTH EAST STREET	389 COLLEGE ST AMHERST MA	WSW	0.05 / 250.55	5	48
			RTN: 1-0013161 ***Current Status:*** RAO				
5	RELEASE	CUMBERLAND FARMS INC	389 COLLEGE ST AMHERST MA	WSW	0.05 / 250.55	5	49
			RTN: 1-0015534 ***Current Status:*** RAO				
5	RCRA VSQG	CUMBERLAND FARMS INC 2463	389 COLLEGE ST AMHERST MA 01002	WSW	0.05 / 250.55	5	50
			EPA Handler ID: MAC300003795				
5	SPILLS	SOUTH EAST STREET	389 COLLEGE ST AMHERST MA	WSW	0.05 / 250.55	5	52
5	SPILLS	CUMBERLAND FARMS INC	389 COLLEGE ST AMHERST MA	WSW	0.05 / 250.55	5	53
5	GEN	CUMBERLAND FARMS INC 2463	389 COLLEGE ST AMHERST MA 01002	WSW	0.05 / 250.55	5	55
6	ASBESTOS PROJECT	ANDREW DESIERVO	10 NORTH EAST STREET AMHERST MA	NW	0.05 / 260.99	12	55

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
7	RCRA SQG	EVERSOURCE ENERGY AMHERST MANUFACTURED G	854 MAIN ST AMHERST MA 01002 ***EPA Handler ID:*** MAC300008612	NNE	0.05 / 275.29	4	55
7	GEN	EVERSOURCE ENERGY AMHERST MANUFACTURED G	854 MAIN ST AMHERST MA 01002	NNE	0.05 / 275.29	4	61
8	ASBESTOS PROJECT	EAST STREET SCHOOL	31 SOUTH EAST STREET AMHERST MA	W	0.05 / 279.23	11	61
9	UST	CUMBERLAND FARMS #2463	35 BELCHERTOWN RD AMHERST MA ***Facility ID:*** 182 ***Tank ID | Status | Status Date:*** 5 | Tank Removed | 9/8/1987, 4 | Tank Removed | 1/30/1992, 1 | Tank Removed | 1/30/1992, 8 | In Use | , 2 | Tank Removed | 1/30/1992, 3 | Tank Removed | 1/30/1992, 6 | In Use | , 7 | In Use |	SW	0.06 / 332.28	4	62
9	HIS SPILLS	TEXACO STATION	35 BELCHERTOWN ROAD AMHERST MA ***Spill ID | Case Closed:*** W92-0039 | YES	SW	0.06 / 332.28	4	65
9	HIS SPILLS		35 BELCHERTOWN RD AMHERST MA ***Spill ID | Case Closed:*** W89-0456 | YES	SW	0.06 / 332.28	4	66
9	HIST LUST	TEXACO STATION	35 BELCHERTOWN RD AMHERST MA ***Spill ID | Case Closed:*** W87-0441 | YES	SW	0.06 / 332.28	4	66
9	LUST	TEXACO	35 BELCHERTOWN RD AMHERST MA ***RTN:*** 1-0000377	SW	0.06 / 332.28	4	66
9	RELEASE	NO LOCATION AID	35 BELCHERTOWN RD/15 RESEARCH DR AMHERST MA ***RTN:*** 1-0017664 ***Current Status:*** RAO	SW	0.06 / 332.28	4	68
9	RCRA NON GEN	TEXACO SERVICE STA	35 BELCHERTOWN RD AMHERST MA 01002 ***EPA Handler ID:*** MAD087450714	SW	0.06 / 332.28	4	70
9	LST	TEXACO	35 BELCHERTOWN RD AMHERST MA 1002 ***Site No | Current Date | Status Desc:*** 1-0000377 | 2/18/1998 | Response Action Outcome	SW	0.06 / 332.28	4	71
9	SPILLS	TEXACO	35 BELCHERTOWN RD AMHERST MA 01002	SW	0.06 / 332.28	4	72

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
9	SPILLS	NO LOCATION AID	35 BELCHERTOWN RD/15 RESEARCH DR AMHERST MA	SW	0.06 / 332.28	4	73
9	RELEASE	TEXACO	35 BELCHERTOWN RD AMHERST MA ***RTN:*** 1-0000377 ***Current Status:*** RAO	SW	0.06 / 332.28	4	76
10	UST	SUNOCO GASOLINE STATION 134	40 BELCHERTOWN RD AMHERST MA ***Facility ID:*** 194 ***Tank ID | Status | Status Date:*** 3 | Tank Removed | 8/23/1991, 4 | Tank Removed | 8/23/1991, 7 | Tank Removed | 5/18/2020, 8 | Tank Removed | 12/11/2007, 2 | Tank Removed | 8/1/1991, 6 | Tank Removed | 5/18/2020, 1 | Tank Removed | 8/23/1991, 5 | Tank Removed | 5/18/2020	SW	0.07 / 355.00	1	77
10	LUST	SUNOCO INC	40 BELCHERTOWN RD AMHERST MA ***RTN:*** 1-0016863	SW	0.07 / 355.00	1	81
10	RCRA NON GEN	SUNOCO SERVICE STA	40 BELCHERTOWN RD AMHERST MA 01002 ***EPA Handler ID:*** MAD000637827	SW	0.07 / 355.00	1	83
10	RCRA NON GEN	BARNEYS ENTERPRISES INC	40 BELCHERTOWN RD AMHERST MA 01002 ***EPA Handler ID:*** MAD985279330	SW	0.07 / 355.00	1	84
10	RCRA NON GEN	BELCHERTOWN ROAD SUNOCO	40 BELCHERTOWN RD AMHERST MA 01002 ***EPA Handler ID:*** MAD139378038	SW	0.07 / 355.00	1	86
10	LST	SUNOCO INC	40 BELCHERTOWN RD AMHERST MA ***Site No | Current Date | Status Desc:*** 1-0016863 | 12/18/2008 | Response Action Outcome	SW	0.07 / 355.00	1	87
10	SPILLS	SUNOCO INC	40 BELCHERTOWN RD AMHERST MA	SW	0.07 / 355.00	1	88
10	RELEASE	SUNOCO INC	40 BELCHERTOWN RD AMHERST MA ***RTN:*** 1-0016863 ***Current Status:*** RAO	SW	0.07 / 355.00	1	90
10	GEN	BARNEYS ENTERPRISES INC	40 BELCHERTOWN RD AMHERST MA 01002	SW	0.07 / 355.00	1	92
10	RELEASE	N/A	40 BELCHERTOWN ROAD AMHERST MA ***RTN:*** 1-0021093 ***Current Status:*** TIERII	SW	0.07 / 355.00	1	92
10	LUST	N/A	40 BELCHERTOWN ROAD AMHERST MA ***RTN:*** 1-0021093	SW	0.07 / 355.00	1	94

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
11	RELEASE	NO LOCATION AID	360 COLLEGE ST AMHERST MA ***RTN:*** 1-0017189 ***Current Status:*** PSNC	WSW	0.08 / 414.52	6	96
11	SPILLS	NO LOCATION AID	360 COLLEGE ST AMHERST MA	WSW	0.08 / 414.52	6	102
12	RCRA VSQG	COLLEGE DRY CLEANERS	358 COLLEGE ST AMHERST MA 01002 ***EPA Handler ID:*** MAD982545261	WSW	0.08 / 418.38	6	108
12	GEN	COLLEGE DRY CLEANERS	358 COLLEGE ST AMHERST MA 01002	WSW	0.08 / 418.38	6	110
12	FED DRYCLEANERS	COLLEGE DRY CLEANERS	358 COLLEGE ST AMHERST MA 01002 ***FRS Facility ID:*** 110003481492	WSW	0.08 / 418.38	6	110
13	GEN	AUTO EXPRESS	118 EAST ST S AMHERST MA 01002	SW	0.08 / 419.71	6	110
14	LUST	CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA ***RTN:*** 1-0013120	WSW	0.08 / 432.88	6	110
14	LST	CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA ***Site No | Current Date | Status Desc:*** 1-0013120 | 4/14/2000 | Response Action Outcome	WSW	0.08 / 432.88	6	112
14	SPILLS	CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA	WSW	0.08 / 432.88	6	113
14	RELEASE	CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA ***RTN:*** 1-0013120 ***Current Status:*** RAO	WSW	0.08 / 432.88	6	115
15	HIST LAST	RENTAL PROPERTY	30 N. EAST STREET AMHERST MA ***Spill ID | Case Closed:*** W90-0596 | YES	NW	0.08 / 442.26	13	116
16	ASBESTOS PROJECT	EAST STREET SCHOOL	31 SOUTHEAST STREET AMHERST MA	W	0.09 / 452.18	11	117
17	ASBESTOS PROJECT	RESIDENTIAL STRUCTURE	118 SOUTH EAST ST. AMHERST MA	SW	0.09 / 478.70	7	117
17	ASBESTOS PROJECT	RESIDENTIAL STRUCTURE	118 SOUTH EAST ST. AMHERST MA	SW	0.09 / 478.70	7	117

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
18	RELEASE	RENTAL PROPERTY	30 NORTHEAST ST AMHERST MA ***RTN:*** 1-0010352 ***Current Status:*** RAO	NW	0.09 / 485.84	15	117
19	SPILLS	RENTAL PROPERTY	30 NORTHEAST ST AMHERST MA	NW	0.10 / 503.39	13	119
20	RELEASE	FORMER AMHERST GAS WORKS	36 PELHAM RD AMHERST MA ***RTN:*** 1-0014253 ***Current Status:*** TMPS	ENE	0.10 / 508.01	11	122
20	SPILLS	FORMER AMHERST GAS WORKS	36 PELHAM RD AMHERST MA	ENE	0.10 / 508.01	11	136
20	OIL & HAZ MAT	FORMER AMHERST GAS WORKS	36 PELHAM RD AMHERST MA	ENE	0.10 / 508.01	11	149
20	ASBESTOS PROJECT	RESIDENTIAL	36 PELHAM ROAD AMHERST MA	ENE	0.10 / 508.01	11	150
20	ASBESTOS PROJECT	36 PELHAM ROAD	36 PELHAM ROAD AMHERST MA	ENE	0.10 / 508.01	11	150
20	ASBESTOS PROJECT	RESIDENTIAL	36 PELHAM ROAD AMHERST MA	ENE	0.10 / 508.01	11	150
21	ASBESTOS PROJECT	RENS USED CARS-REYNOLD GLADU	48 BELCHERTOWN ROAD AMHERST MA	SSW	0.10 / 512.25	1	150
21	ASBESTOS PROJECT	RENS USED CARS-REYNOLD GLADU	48 BELCHERTOWN ROAD AMHERST MA	SSW	0.10 / 512.25	1	151
22	ASBESTOS PROJECT	PAUL SHUMWAY	328 COLLEGE STREET AMHERST MA	WSW	0.11 / 555.48	7	151
23	RELEASE	MULTI-FAMILY HOME	45 NORTHEAST ST AMHERST MA ***RTN:*** 1-0014159 ***Current Status:*** RAO	NNW	0.11 / 590.80	14	151

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
24	ASBESTOS PROJECT	RESIDENCE	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	8	153
24	ASBESTOS PROJECT	RESIDENTIAL	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	8	153
24	ASBESTOS PROJECT	RESIDENCE	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	8	153
24	ASBESTOS PROJECT	RESIDENCE	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	8	153
25	LST	MULTI-FAMILY HOME	45 NORTHEAST ST AMHERST MA	NW	0.12 / 636.20	16	154
			***Site No*	*Current Date*	*Status Desc:*** 1-0014159	1/23/2002	Response Action Outcome				
25	SPILLS	MULTI-FAMILY HOME	45 NORTHEAST ST AMHERST MA	NW	0.12 / 636.20	16	155
26	ASBESTOS PROJECT	RESIDENTIAL	710 MAIN STREET AMHERST MA	WNW	0.12 / 640.15	15	157
27	LAST	SUMMERLIN FLOORING	322 COLLEGE STREET (ROUTE 9) AMHERST MA ***RTN:*** 1-0018112	WSW	0.12 / 646.48	8	157
27	RELEASE	SUMMERLIN FLOORING	322 COLLEGE STREET (ROUTE 9) AMHERST MA ***RTN:*** 1-0018112 ***Current Status:*** RAO	WSW	0.12 / 646.48	8	159
28	LST	RENTAL PROPERTY UST REMOVAL	711 MAIN STREET AMHERST MA 01002-0000	WNW	0.13 / 678.99	16	161
			***Site No*	*Current Date*	*Status Desc:*** 1-0020140	1/16/2017	Permanent Solution with No Conditions				
28	LUST	RENTAL PROPERTY UST REMOVAL	711 MAIN STREET AMHERST MA ***RTN:*** 1-0020140	WNW	0.13 / 678.99	16	162
28	RELEASE	RENTAL PROPERTY UST REMOVAL	711 MAIN STREET AMHERST MA ***RTN:*** 1-0020140 ***Current Status:*** PSNC	WNW	0.13 / 678.99	16	164
29	RELEASE	SALEM PLACE	MAIN ST SALEM ST AMHERST MA ***RTN:*** 1-0000253 ***Current Status:*** DEPNFA	W	0.18 / 929.00	18	166

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
30	AST	MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No:*** OSFM-00034 ***License Status:*** Active	W	0.19 / 980.15	12	167
30	AST	MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No:*** OSFM-00035 ***License Status:*** Active	W	0.19 / 980.15	12	167
30	AST	MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No:*** OSFM-00036 ***License Status:*** Active	W	0.19 / 980.15	12	168
30	AST	MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No:*** OSFM-00037 ***License Status:*** Active	W	0.19 / 980.15	12	168
30	AST	MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No:*** OSFM-00038 ***License Status:*** Active	W	0.19 / 980.15	12	168
30	AST	MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No:*** OSFM-00039 ***License Status:*** Active	W	0.19 / 980.15	12	168
30	AST	MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No:*** OSFM-02961 ***License Status:*** Active	W	0.19 / 980.15	12	169
31	AST	ALBANY STREET TERMINALS LLC	60 Shumway St Amherst MA 01002 ***License No:*** OSFM-01622 ***License Status:*** Active	W	0.21 / 1,086.86	13	169
31	AST	ALBANY STREET TERMINALS LLC	60 Shumway St Amherst MA 01002 ***License No:*** OSFM-01623 ***License Status:*** Active	W	0.21 / 1,086.86	13	169
31	UST	NATIONAL HEATING COMPANY INC	60 SHUMWAY ST AMHERST MA ***Facility ID:*** 169 ***Tank ID | Status | Status Date:*** 1 | Tank Removed | 7/1/1999	W	0.21 / 1,086.86	13	170
31	RCRA VSQG	SURNER HEATING CO INC	60 SHUMWAY ST AMHERST MA 01002 ***EPA Handler ID:*** MAD019164326	W	0.21 / 1,086.86	13	171
32	UST	AMHERST TIRE CENTER INC	292 COLLEGE ST AMHERST MA ***Facility ID:*** 184 ***Tank ID | Status | Status Date:*** 1 | Tank Removed | 12/30/1990, 2 | Tank Removed | 12/30/1990, 3 | Tank Removed | 12/30/1990	WSW	0.23 / 1,208.59	13	172
32	HIST LUST	AMHERST TIRE CENTER	292 COLLEGE STREET AMHERST MA	WSW	0.23 / 1,208.59	13	174

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Spill ID*	*Case Closed:*** W90-0628 | YES			
32	AUL	AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA	WSW	0.23 / 1,208.59	13	174
32	LUST	AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA ***RTN:*** 1-0000852	WSW	0.23 / 1,208.59	13	179
32	LST	AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA 1002 ***Site No* | *Current Date* | *Status Desc:*** 1-0000852 | 2/15/2002 | Response Action Outcome	WSW	0.23 / 1,208.59	13	184
32	RELEASE	AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA ***RTN:*** 1-0000852 ***Current Status:*** RAO	WSW	0.23 / 1,208.59	13	186
32	RCRA VSQG	CITY TIRE COMPANY INC DBA AMHERST TIRE CENTER	292 COLLEGE STREET AMHERST MA 01002 ***EPA Handler ID:*** MAR000570051	WSW	0.23 / 1,208.59	13	191
33	LUST	NO LOCATION AID	655 MAIN ST AMHERST MA ***RTN:*** 1-0013884	W	0.23 / 1,209.76	22	192
33	LST	NO LOCATION AID	655 MAIN ST AMHERST MA 01002-0000 ***Site No* | *Current Date* | *Status Desc:*** 1-0013884 | 6/4/2001 | Response Action Outcome	W	0.23 / 1,209.76	22	194
33	RELEASE	NO LOCATION AID	655 MAIN ST AMHERST MA ***RTN:*** 1-0013884 ***Current Status:*** RAO	W	0.23 / 1,209.76	22	195
34	LAST	THORNTON RENTAL PROPERTY	101 PELHAM RD AMHERST MA ***RTN:*** 1-0016540	ENE	0.23 / 1,227.32	24	196
34	LST	THORNTON RENTAL PROPERTY	101 PELHAM RD AMHERST MA 01002-0000 ***Site No* | *Current Date* | *Status Desc:*** 1-0016540 | 7/5/2007 | Response Action Outcome	ENE	0.23 / 1,227.32	24	199
34	RELEASE	THORNTON RENTAL PROPERTY	101 PELHAM RD AMHERST MA ***RTN:*** 1-0016540 ***Current Status:*** RAO	ENE	0.23 / 1,227.32	24	200
35	LUST	4-6 UNIT APARTMENT BUILDING	622 MAIN ST AMHERST MA ***RTN:*** 1-0011551	W	0.33 / 1,733.10	23	202
35	LST	4-6 UNIT APARTMENT BUILDING	622 MAIN ST AMHERST MA 01002-0000	W	0.33 / 1,733.10	23	204

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Site No*	*Current Date*	*Status Desc:*** 1-0011551 | 11/6/1996 | Response Action Outcome			
35	RELEASE	4-6 UNIT APARTMENT BUILDING	622 MAIN ST AMHERST MA ***RTN:*** 1-0011551 ***Current Status:*** RAO	W	0.33 / 1,733.10	23	205
36	LST	FMR AMHERST AREA WORK CENTER	246 COLLEGE ST AND S WHITNEY ST AMHERST MA 01002-0000 ***Site No* | *Current Date* | *Status Desc:*** 1-0010661 | 12/14/1995 | Response Action Outcome	W	0.34 / 1,821.46	16	206
37	HIST LUST	WMECO	246 COLLEGE ST AMHERST MA ***Spill ID* | *Case Closed:*** W88-0106 | YES	W	0.35 / 1,822.59	16	207
37	LUST	WESTERN MASS ELECTRIC	246 COLLEGE ST AMHERST MA ***RTN:*** 1-0000451	W	0.35 / 1,822.59	16	208
37	RELEASE	FRMR WMECO WORK CENTER	246 COLLEGE ST AMHERST MA ***RTN:*** 1-0013797 ***Current Status:*** RAO	W	0.35 / 1,822.59	16	208
37	LST	WESTERN MASS ELECTRIC	246 COLLEGE ST AMHERST MA 1002 ***Site No* | *Current Date* | *Status Desc:*** 1-0000451 | 7/23/1993 | DEP No Further Action	W	0.35 / 1,822.59	16	209
37	RELEASE	WESTERN MASS ELECTRIC	246 COLLEGE ST AMHERST MA ***RTN:*** 1-0000451 ***Current Status:*** DEPNFA	W	0.35 / 1,822.59	16	210
38	LUST	GETTY	41 SOUTH WHITNEY ST AMHERST MA ***RTN:*** 1-0000263	W	0.41 / 2,154.08	31	211
38	LUST	BOYDEN & PERRON	41 SOUTH WHITNEY ST AMHERST MA ***RTN:*** 1-0015331	W	0.41 / 2,154.08	31	212
38	LST	GETTY	41 SOUTH WHITNEY ST AMHERST MA 01002-0000 ***Site No* | *Current Date* | *Status Desc:*** 1-0000263 | 3/11/1996 | Response Action Outcome	W	0.41 / 2,154.08	31	213
38	LST	BOYDEN & PERRON	41 SOUTH WHITNEY ST AMHERST MA ***Site No* | *Current Date* | *Status Desc:*** 1-0015331 | 8/2/2004 | Response Action Outcome	W	0.41 / 2,154.08	31	214
38	RELEASE	BOYDEN & PERRON	41 SOUTH WHITNEY ST AMHERST MA ***RTN:*** 1-0015331 ***Current Status:*** RAO	W	0.41 / 2,154.08	31	215
38	RELEASE	GETTY	41 SOUTH WHITNEY ST AMHERST MA	W	0.41 / 2,154.08	31	216

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			RTN: 1-0000263 ***Current Status:*** RAO				
39	LUST	NO LOCATION AID	213 COLLEGE ST AMHERST MA ***RTN:*** 1-0015065	W	0.41 / 2,158.01	26	217
39	RELEASE	FRMR UNIVERSITY MOTORS	213 COLLEGE ST AMHERST MA ***RTN:*** 1-0011983 ***Current Status:*** RAO	W	0.41 / 2,158.01	26	223
39	RELEASE	UNIVERSITY MOTORS INC	213 COLLEGE ST AMHERST MA ***RTN:*** 1-0011877 ***Current Status:*** RAONR	W	0.41 / 2,158.01	26	226
39	LST	NO LOCATION AID	213 COLLEGE ST AMHERST MA	W	0.41 / 2,158.01	26	227
			Site No | Current Date | Status Desc: 1-0015065 | 4/23/2012 | Response Action Outcome				
39	RELEASE	NO LOCATION AID	213 COLLEGE ST AMHERST MA ***RTN:*** 1-0015065 ***Current Status:*** PSNC	W	0.41 / 2,158.01	26	229
39	DELISTED REL	FORT HILL AUTO BODY	213 COLLEGE STREET AMHERST MA	W	0.41 / 2,158.01	26	234
40	LUST	FMR AMHERST AREA WORK CENTER	246 COLLEGE ST AND S WHITNEY ST AMHERST MA ***RTN:*** 1-0010661	W	0.41 / 2,167.05	25	235
40	RELEASE	FMR AMHERST AREA WORK CENTER	246 COLLEGE ST AND S WHITNEY ST AMHERST MA ***RTN:*** 1-0010661 ***Current Status:*** RAO	W	0.41 / 2,167.05	25	236
41	RELEASE	MULTI-FAMILY RESIDENCE	165-167 COLLEGE STREET AMHERST MA ***RTN:*** 1-0020991 ***Current Status:*** PSNC	W	0.54 / 2,829.15	48	237
42	RELEASE	NO LOCATION AID	150 COLLEGE STREET AMHERST MA ***RTN:*** 1-0021440	W	0.56 / 2,947.81	54	240
43	RELEASE	NO LOCATION AID	293 BELCHERTOWN RD AMHERST MA ***RTN:*** 1-0011088 ***Current Status:*** RAO	SSE	0.57 / 2,984.49	-2	240
44	RELEASE	STEAM PLANT	151 COLLEGE ST AMHERST MA ***RTN:*** 1-0013847 ***Current Status:*** RAO	W	0.57 / 3,033.55	58	244
45	RELEASE	CLASSIC CHEVROLET	40 DICKINSON ST AMHERST MA	W	0.64 / 3,362.23	81	248

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			RTN: 1-0015758 ***Current Status:*** RAO				
46	RELEASE	AMHERST COLLEGE GASOLINE AST AREA	100 EAST DRIVE AMHERST MA ***RTN:*** 1-0020077 ***Current Status:*** PSNC	WSW	0.66 / 3,480.82	53	253
47	RELEASE	AMHERST/PELHAM REGIONAL HIGH SCHOOL	21 MATTOON ST AMHERST MA ***RTN:*** 1-0011909 ***Current Status:*** RAO	WNW	0.69 / 3,647.22	131	254
48	RELEASE	MERRILL SCIENCE BUILDING	21 MERRILL SCIENCE DR AMHERST MA ***RTN:*** 1-0019032 ***Current Status:*** RAO	WSW	0.75 / 3,944.09	98	256
49	RELEASE	DEHER RESIDENCE	22 SEELYE ST AMHERST MA ***RTN:*** 1-0012910 ***Current Status:*** RAO	W	0.77 / 4,048.80	112	258
50	RELEASE	DETHIER RESIDENCE	331 STRONG STREET AMHERST MA ***RTN:*** 1-0018325 ***Current Status:*** RAO	NNW	0.80 / 4,228.90	126	260
51	RELEASE	POLE # 3	107 ALPINE DRIVE AMHERST MA ***RTN:*** 1-0018528 ***Current Status:*** RAO	E	0.82 / 4,354.15	92	262
52	RELEASE	AMHERST POLICE STATION	111 MAIN STREET AMHERST MA ***RTN:*** 1-0019727 ***Current Status:*** PSNC	W	0.85 / 4,511.22	112	263
53	RELEASE	AMHERST COLLEGE PLIMPTON HOUSE	22 LESSEY ST AMHERST MA ***RTN:*** 1-0010489 ***Current Status:*** RAO	W	0.87 / 4,591.32	112	264
54	RELEASE	ROLLING GREEN APARTMENTS	1A ROLLING GREEN DR AMHERST MA ***RTN:*** 1-0014490 ***Current Status:*** RAO	SE	0.90 / 4,751.96	37	266
55	RELEASE	EDS GETTY	203 TRIANGLE ST AMHERST MA ***RTN:*** 1-0000895 ***Current Status:*** RAO	WNW	0.91 / 4,788.50	111	267
55	RELEASE	FORMER GETTY STATION	203 TRIANGLE ST AMHERST MA ***RTN:*** 1-0010840 ***Current Status:*** RAO	WNW	0.91 / 4,788.50	111	269
56	RELEASE	POLE #4	33 KELLOGG AVE AMHERST MA ***RTN:*** 1-0015809 ***Current Status:*** RAO	W	0.91 / 4,800.13	118	271
57	RELEASE	LORD JEFFERY INN	30 BOLTWOOD AVENUE AMHERST MA	W	0.92 / 4,881.79	123	273

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			RTN: 1-0018042 ***Current Status:*** RAO				
57	RELEASE	LORD JEFFREY INN	30 BOLTWOOD AVE AMHERST MA ***RTN:*** 1-0011214 ***Current Status:*** RAO	W	0.92 / 4,881.79	123	274
58	RELEASE	NO LOCATION AID	40-50 MAIN ST AMHERST MA ***RTN:*** 1-0014556 ***Current Status:*** RAO	W	0.95 / 4,994.51	129	275
59	RELEASE	MARKET BUILDING	34 MAIN ST AMHERST MA ***RTN:*** 1-0010985 ***Current Status:*** RAO	W	0.95 / 5,002.03	132	278
60	RELEASE	AJ HASTINGS	45 SOUTH PLEASANT ST AMHERST MA ***RTN:*** 1-0010552 ***Current Status:*** RAO	W	0.98 / 5,160.94	141	280
61	RELEASE	NO LOCATION AID	15 NORTH PLEASANT ST AMHERST MA ***RTN:*** 1-0014430 ***Current Status:*** RAO	W	0.98 / 5,197.71	142	284
62	RELEASE	AMHERST COLLEGE	200 SOUTH PLEASANT ST AMHERST MA ***RTN:*** 1-0012073 ***Current Status:*** RAO	W	0.99 / 5,215.83	136	287
63	RELEASE	AMHERST FIRE DEPT	68 NORTH PLEASANT ST AMHERST MA ***RTN:*** 1-0011010 ***Current Status:*** RAO	W	1.00 / 5,260.53	127	288
64	RELEASE	COMMERCIAL PROPERTY	103 NORTH PLEASANT STREET AMHERST MA ***RTN:*** 1-0018965 ***Current Status:*** PSC	W	1.00 / 5,282.94	121	290

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Nov 17, 2021 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
EVERSOURCE ENERGY AMHERST MANUFACTURED G	854 MAIN ST AMHERST MA 01002 ***EPA Handler ID**: MAC300008612*	NNE	0.05 / 275.29	7

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Nov 17, 2021 has found that there are 4 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CUMBERLAND FARMS INC 2463	389 COLLEGE ST AMHERST MA 01002 ***EPA Handler ID**: MAC300003795*	WSW	0.05 / 250.55	5
COLLEGE DRY CLEANERS	358 COLLEGE ST AMHERST MA 01002 ***EPA Handler ID**: MAD982545261*	WSW	0.08 / 418.38	12
SURNER HEATING CO INC	60 SHUMWAY ST AMHERST MA 01002 ***EPA Handler ID**: MAD019164326*	W	0.21 / 1,086.86	31
CITY TIRE COMPANY INC DBA AMHERST TIRE CENTER	292 COLLEGE STREET AMHERST MA 01002 ***EPA Handler ID**: MAR000570051*	WSW	0.23 / 1,208.59	32

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Aug 30, 2021 has found that there are 4 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEXACO SERVICE STA	35 BELCHERTOWN RD AMHERST MA 01002 ***EPA Handler ID**: MAD087450714*	SW	0.06 / 332.28	9
BELCHERTOWN ROAD SUNOCO	40 BELCHERTOWN RD AMHERST MA 01002	SW	0.07 / 355.00	10

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***EPA Handler ID**: MAD139378038*			
SUNOCO SERVICE STA	40 BELCHERTOWN RD AMHERST MA 01002 ***EPA Handler ID**: MAD000637827*	SW	0.07 / 355.00	10
BARNEYS ENTERPRISES INC	40 BELCHERTOWN RD AMHERST MA 01002 ***EPA Handler ID**: MAD985279330*	SW	0.07 / 355.00	10

State

RELEASE - Waste Site Cleanup Notifications/Reportable Releases

A search of the RELEASE database, dated Nov 25, 2021 has found that there are 52 RELEASE site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOUTH EAST STREET	389 COLLEGE ST AMHERST MA ***RTN**: 1-0013161* ***Current Status**: RAO*	WSW	0.05 / 250.55	5
CUMBERLAND FARMS INC	389 COLLEGE ST AMHERST MA ***RTN**: 1-0015534* ***Current Status**: RAO*	WSW	0.05 / 250.55	5
NO LOCATION AID	35 BELCHERTOWN RD/15 RESEARCH DR AMHERST MA ***RTN**: 1-0017664* ***Current Status**: RAO*	SW	0.06 / 332.28	9
TEXACO	35 BELCHERTOWN RD AMHERST MA ***RTN**: 1-0000377* ***Current Status**: RAO*	SW	0.06 / 332.28	9
SUNOCO INC	40 BELCHERTOWN RD AMHERST MA ***RTN**: 1-0016863* ***Current Status**: RAO*	SW	0.07 / 355.00	10
N/A	40 BELCHERTOWN ROAD AMHERST MA ***RTN**: 1-0021093* ***Current Status**: TIERII*	SW	0.07 / 355.00	10
NO LOCATION AID	360 COLLEGE ST AMHERST MA ***RTN**: 1-0017189* ***Current Status**: PSNC*	WSW	0.08 / 414.52	11
CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA ***RTN**: 1-0013120* ***Current Status**: RAO*	WSW	0.08 / 432.88	14

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
RENTAL PROPERTY	30 NORTHEAST ST AMHERST MA ***RTN**: 1-0010352* ***Current Status**: RAO*	NW	0.09 / 485.84	18
FORMER AMHERST GAS WORKS	36 PELHAM RD AMHERST MA ***RTN**: 1-0014253* ***Current Status**: TMPS*	ENE	0.10 / 508.01	20
MULTI-FAMILY HOME	45 NORTHEAST ST AMHERST MA ***RTN**: 1-0014159* ***Current Status**: RAO*	NNW	0.11 / 590.80	23
SUMMERLIN FLOORING	322 COLLEGE STREET (ROUTE 9) AMHERST MA ***RTN**: 1-0018112* ***Current Status**: RAO*	WSW	0.12 / 646.48	27
RENTAL PROPERTY UST REMOVAL	711 MAIN STREET AMHERST MA ***RTN**: 1-0020140* ***Current Status**: PSNC*	WNW	0.13 / 678.99	28
SALEM PLACE	MAIN ST SALEM ST AMHERST MA ***RTN**: 1-0000253* ***Current Status**: DEPNFA*	W	0.18 / 929.00	29
AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA ***RTN**: 1-0000852* ***Current Status**: RAO*	WSW	0.23 / 1,208.59	32
NO LOCATION AID	655 MAIN ST AMHERST MA ***RTN**: 1-0013884* ***Current Status**: RAO*	W	0.23 / 1,209.76	33
THORNTON RENTAL PROPERTY	101 PELHAM RD AMHERST MA ***RTN**: 1-0016540* ***Current Status**: RAO*	ENE	0.23 / 1,227.32	34
4-6 UNIT APARTMENT BUILDING	622 MAIN ST AMHERST MA ***RTN**: 1-0011551* ***Current Status**: RAO*	W	0.33 / 1,733.10	35
FRMR WMECO WORK CENTER	246 COLLEGE ST AMHERST MA ***RTN**: 1-0013797* ***Current Status**: RAO*	W	0.35 / 1,822.59	37
WESTERN MASS ELECTRIC	246 COLLEGE ST AMHERST MA	W	0.35 / 1,822.59	37

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***RTN**: 1-0000451* ***Current Status**: DEPNFA*			
BOYDEN & PERRON	41 SOUTH WHITNEY ST AMHERST MA	W	0.41 / 2,154.08	38
	***RTN**: 1-0015331* ***Current Status**: RAO*			
GETTY	41 SOUTH WHITNEY ST AMHERST MA	W	0.41 / 2,154.08	38
	***RTN**: 1-0000263* ***Current Status**: RAO*			
FRMR UNIVERSITY MOTORS	213 COLLEGE ST AMHERST MA	W	0.41 / 2,158.01	39
	***RTN**: 1-0011983* ***Current Status**: RAO*			
UNIVERSITY MOTORS INC	213 COLLEGE ST AMHERST MA	W	0.41 / 2,158.01	39
	***RTN**: 1-0011877* ***Current Status**: RAONR*			
NO LOCATION AID	213 COLLEGE ST AMHERST MA	W	0.41 / 2,158.01	39
	***RTN**: 1-0015065* ***Current Status**: PSNC*			
FMR AMHERST AREA WORK CENTER	246 COLLEGE ST AND S WHITNEY ST AMHERST MA ***RTN**: 1-0010661* ***Current Status**: RAO*	W	0.41 / 2,167.05	40
MULTI-FAMILY RESIDENCE	165-167 COLLEGE STREET AMHERST MA	W	0.54 / 2,829.15	41
	***RTN**: 1-0020991* ***Current Status**: PSNC*			
NO LOCATION AID	150 COLLEGE STREET AMHERST MA	W	0.56 / 2,947.81	42
	***RTN**: 1-0021440*			
STEAM PLANT	151 COLLEGE ST AMHERST MA	W	0.57 / 3,033.55	44
	***RTN**: 1-0013847* ***Current Status**: RAO*			
CLASSIC CHEVROLET	40 DICKINSON ST AMHERST MA	W	0.64 / 3,362.23	45
	***RTN**: 1-0015758* ***Current Status**: RAO*			
AMHERST COLLEGE GASOLINE AST AREA	100 EAST DRIVE AMHERST MA	WSW	0.66 / 3,480.82	46
	***RTN**: 1-0020077* ***Current Status**: PSNC*			
AMHERST/PELHAM REGIONAL HIGH SCHOOL	21 MATTOON ST AMHERST MA	WNW	0.69 / 3,647.22	47

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***RTN**: 1-0011909* ***Current Status**: RAO*			
MERRILL SCIENCE BUILDING	21 MERRILL SCIENCE DR AMHERST MA	WSW	0.75 / 3,944.09	48
	***RTN**: 1-0019032* ***Current Status**: RAO*			
DEHER RESIDENCE	22 SEELYE ST AMHERST MA	W	0.77 / 4,048.80	49
	***RTN**: 1-0012910* ***Current Status**: RAO*			
DETHIER RESIDENCE	331 STRONG STREET AMHERST MA	NNW	0.80 / 4,228.90	50
	***RTN**: 1-0018325* ***Current Status**: RAO*			
POLE # 3	107 ALPINE DRIVE AMHERST MA	E	0.82 / 4,354.15	51
	***RTN**: 1-0018528* ***Current Status**: RAO*			
AMHERST POLICE STATION	111 MAIN STREET AMHERST MA	W	0.85 / 4,511.22	52
	***RTN**: 1-0019727* ***Current Status**: PSNC*			
AMHERST COLLEGE PLIMPTON HOUSE	22 LESSEY ST AMHERST MA	W	0.87 / 4,591.32	53
	***RTN**: 1-0010489* ***Current Status**: RAO*			
ROLLING GREEN APARTMENTS	1A ROLLING GREEN DR AMHERST MA	SE	0.90 / 4,751.96	54
	***RTN**: 1-0014490* ***Current Status**: RAO*			
EDS GETTY	203 TRIANGLE ST AMHERST MA	WNW	0.91 / 4,788.50	55
	***RTN**: 1-0000895* ***Current Status**: RAO*			
FORMER GETTY STATION	203 TRIANGLE ST AMHERST MA	WNW	0.91 / 4,788.50	55
	***RTN**: 1-0010840* ***Current Status**: RAO*			
POLE #4	33 KELLOGG AVE AMHERST MA	W	0.91 / 4,800.13	56
	***RTN**: 1-0015809* ***Current Status**: RAO*			
LORD JEFFERY INN	30 BOLTWOOD AVENUE AMHERST MA	W	0.92 / 4,881.79	57
	***RTN**: 1-0018042* ***Current Status**: RAO*			
LORD JEFFREY INN	30 BOLTWOOD AVE AMHERST MA	W	0.92 / 4,881.79	57

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***RTN**: 1-0011214* ***Current Status**: RAO*			
NO LOCATION AID	40-50 MAIN ST AMHERST MA	W	0.95 / 4,994.51	58
	***RTN**: 1-0014556* ***Current Status**: RAO*			
MARKET BUILDING	34 MAIN ST AMHERST MA	W	0.95 / 5,002.03	59
	***RTN**: 1-0010985* ***Current Status**: RAO*			
AJ HASTINGS	45 SOUTH PLEASANT ST AMHERST MA	W	0.98 / 5,160.94	60
	***RTN**: 1-0010552* ***Current Status**: RAO*			
NO LOCATION AID	15 NORTH PLEASANT ST AMHERST MA	W	0.98 / 5,197.71	61
	***RTN**: 1-0014430* ***Current Status**: RAO*			
AMHERST COLLEGE	200 SOUTH PLEASANT ST AMHERST MA	W	0.99 / 5,215.83	62
	***RTN**: 1-0012073* ***Current Status**: RAO*			
AMHERST FIRE DEPT	68 NORTH PLEASANT ST AMHERST MA	W	1.00 / 5,260.53	63
	***RTN**: 1-0011010* ***Current Status**: RAO*			
COMMERCIAL PROPERTY	103 NORTH PLEASANT STREET AMHERST MA	W	1.00 / 5,282.94	64
	***RTN**: 1-0018965* ***Current Status**: PSC*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
NO LOCATION AID	293 BELCHERTOWN RD AMHERST MA	SSE	0.57 / 2,984.49	43
	***RTN**: 1-0011088* ***Current Status**: RAO*			

DELISTED REL - Delisted Waste Site Cleanup Notification Sites

A search of the DELISTED REL database, dated Nov 25, 2021 has found that there are 1 DELISTED REL site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORT HILL AUTO BODY	213 COLLEGE STREET AMHERST MA	W	0.41 / 2,158.01	39

LST - Tank Related Leaks and Spills

A search of the LST database, dated Sep 8, 2017 has found that there are 14 LST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEXACO	35 BELCHERTOWN RD AMHERST MA 1002	SW	0.06 / 332.28	9
	***Site No | Current Date | Status Desc**: 1-0000377 | 2/18/1998 | Response Action Outcome*			
SUNOCO INC	40 BELCHERTOWN RD AMHERST MA	SW	0.07 / 355.00	10
	***Site No | Current Date | Status Desc**: 1-0016863 | 12/18/2008 | Response Action Outcome*			
CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA	WSW	0.08 / 432.88	14
	***Site No | Current Date | Status Desc**: 1-0013120 | 4/14/2000 | Response Action Outcome*			
MULTI-FAMILY HOME	45 NORTHEAST ST AMHERST MA	NW	0.12 / 636.20	25
	***Site No | Current Date | Status Desc**: 1-0014159 | 1/23/2002 | Response Action Outcome*			
RENTAL PROPERTY UST REMOVAL	711 MAIN STREET AMHERST MA 01002-0000	WNW	0.13 / 678.99	28
	***Site No | Current Date | Status Desc**: 1-0020140 | 1/16/2017 | Permanent Solution with No Conditions*			
AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA 1002	WSW	0.23 / 1,208.59	32
	***Site No | Current Date | Status Desc**: 1-0000852 | 2/15/2002 | Response Action Outcome*			
NO LOCATION AID	655 MAIN ST AMHERST MA 01002-0000	W	0.23 / 1,209.76	33
	***Site No | Current Date | Status Desc**: 1-0013884 | 6/4/2001 | Response Action Outcome*			
THORNTON RENTAL PROPERTY	101 PELHAM RD AMHERST MA 01002-0000	ENE	0.23 / 1,227.32	34
	***Site No | Current Date | Status Desc**: 1-0016540 | 7/5/2007 | Response Action Outcome*			
4-6 UNIT APARTMENT BUILDING	622 MAIN ST AMHERST MA 01002-0000	W	0.33 / 1,733.10	35
	***Site No | Current Date | Status Desc**: 1-0011551 | 11/6/1996 | Response Action Outcome*			
FMR AMHERST AREA WORK CENTER	246 COLLEGE ST AND S WHITNEY ST AMHERST MA 01002-0000	W	0.34 / 1,821.46	36
	***Site No | Current Date | Status Desc**: 1-0010661 | 12/14/1995 | Response Action Outcome*			
WESTERN MASS ELECTRIC	246 COLLEGE ST AMHERST MA 1002	W	0.35 / 1,822.59	37
	***Site No | Current Date | Status Desc**: 1-0000451 | 7/23/1993 | DEP No Further Action*			
GETTY	41 SOUTH WHITNEY ST AMHERST MA 01002-0000	W	0.41 / 2,154.08	38
	***Site No | Current Date | Status Desc**: 1-0000263 | 3/11/1996 | Response Action Outcome*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BOYDEN & PERRON	41 SOUTH WHITNEY ST AMHERST MA	W	0.41 / 2,154.08	38
	***Site No | Current Date | Status Desc**: 1-0015331 | 8/2/2004 | Response Action Outcome*			
NO LOCATION AID	213 COLLEGE ST AMHERST MA	W	0.41 / 2,158.01	39
	***Site No | Current Date | Status Desc**: 1-0015065 | 4/23/2012 | Response Action Outcome*			

LUST - Leaking Underground Storage Tanks (LUST)

A search of the LUST database, dated Nov 25, 2021 has found that there are 13 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEXACO	35 BELCHERTOWN RD AMHERST MA	SW	0.06 / 332.28	9
	***RTN**: 1-0000377*			
N/A	40 BELCHERTOWN ROAD AMHERST MA	SW	0.07 / 355.00	10
	***RTN**: 1-0021093*			
SUNOCO INC	40 BELCHERTOWN RD AMHERST MA	SW	0.07 / 355.00	10
	***RTN**: 1-0016863*			
CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA	WSW	0.08 / 432.88	14
	***RTN**: 1-0013120*			
RENTAL PROPERTY UST REMOVAL	711 MAIN STREET AMHERST MA	WNW	0.13 / 678.99	28
	***RTN**: 1-0020140*			
AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA	WSW	0.23 / 1,208.59	32
	***RTN**: 1-0000852*			
NO LOCATION AID	655 MAIN ST AMHERST MA	W	0.23 / 1,209.76	33
	***RTN**: 1-0013884*			
4-6 UNIT APARTMENT BUILDING	622 MAIN ST AMHERST MA	W	0.33 / 1,733.10	35
	***RTN**: 1-0011551*			
WESTERN MASS ELECTRIC	246 COLLEGE ST AMHERST MA	W	0.35 / 1,822.59	37
	***RTN**: 1-0000451*			
BOYDEN & PERRON	41 SOUTH WHITNEY ST AMHERST MA	W	0.41 / 2,154.08	38

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***RTN**: 1-0015331*			
GETTY	41 SOUTH WHITNEY ST AMHERST MA	W	0.41 / 2,154.08	38
	***RTN**: 1-0000263*			
NO LOCATION AID	213 COLLEGE ST AMHERST MA	W	0.41 / 2,158.01	39
	***RTN**: 1-0015065*			
FMR AMHERST AREA WORK CENTER	246 COLLEGE ST AND S WHITNEY ST AMHERST MA ***RTN**: 1-0010661*	W	0.41 / 2,167.05	40

LAST - Leaking Aboveground Storage Tanks (LAST)

A search of the LAST database, dated Nov 25, 2021 has found that there are 2 LAST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SUMMERLIN FLOORING	322 COLLEGE STREET (ROUTE 9) AMHERST MA	WSW	0.12 / 646.48	27
	***RTN**: 1-0018112*			
THORNTON RENTAL PROPERTY	101 PELHAM RD AMHERST MA	ENE	0.23 / 1,227.32	34
	***RTN**: 1-0016540*			

HIST LUST - Historic Leaking Underground Storage Tanks that occurred prior to October 1st 1993

A search of the HIST LUST database, dated Prior to Oct 1, 1993 has found that there are 3 HIST LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEXACO STATION	35 BELCHERTOWN RD AMHERST MA	SW	0.06 / 332.28	9
	***Spill ID**	**Case Closed**: W87-0441	YES*		
AMHERST TIRE CENTER	292 COLLEGE STREET AMHERST MA	WSW	0.23 / 1,208.59	32
	***Spill ID**	**Case Closed**: W90-0628	YES*		
WMECO	246 COLLEGE ST AMHERST MA	W	0.35 / 1,822.59	37
	***Spill ID**	**Case Closed**: W88-0106	YES*		

HIST LAST - Historic Leaking Aboveground Storage Tanks that occurred prior to October 1st 1993

A search of the HIST LAST database, dated Prior to Oct 1, 1993 has found that there are 1 HIST LAST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
RENTAL PROPERTY	30 N. EAST STREET AMHERST MA	NW	0.08 / 442.26	15
	Spill ID* | *Case Closed: *W90-0596* | *YES*			

UST - Underground Storage Tanks (UST)

A search of the UST database, dated Nov 3, 2021 has found that there are 5 UST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
W S PICKERING & SON INC	835 MAIN ST AMHERST MA	NE	0.01 / 37.04	2
	Facility ID: *175* ***Tank ID* | *Status* | *Status Date***: *1* | *Tank Removed* | *5/29/1987, 2* | *Tank Removed* | *5/29/1987, 3* | *Tank Removed* | *1/18/1995*			
CUMBERLAND FARMS #2463	35 BELCHERTOWN RD AMHERST MA	SW	0.06 / 332.28	9
	Facility ID: *182* ***Tank ID* | *Status* | *Status Date***: *5* | *Tank Removed* | *9/8/1987, 4* | *Tank Removed* | *1/30/1992, 1* | *Tank Removed* | *1/30/1992, 8* | *In Use* | *, 2* | *Tank Removed* | *1/30/1992, 3* | *Tank Removed* | *1/30/1992, 6* | *In Use* | *, 7* | *In Use* |			
SUNOCO GASOLINE STATION 134	40 BELCHERTOWN RD AMHERST MA	SW	0.07 / 355.00	10
	Facility ID: *194* ***Tank ID* | *Status* | *Status Date***: *3* | *Tank Removed* | *8/23/1991, 4* | *Tank Removed* | *8/23/1991, 7* | *Tank Removed* | *5/18/2020, 8* | *Tank Removed* | *12/11/2007, 2* | *Tank Removed* | *8/1/1991, 6* | *Tank Removed* | *5/18/2020, 1* | *Tank Removed* | *8/23/1991, 5* | *Tank Removed* | *5/18/2020*			
NATIONAL HEATING COMPANY INC	60 SHUMWAY ST AMHERST MA	W	0.21 / 1,086.86	31
	Facility ID: *169* ***Tank ID* | *Status* | *Status Date***: *1* | *Tank Removed* | *7/1/1999*			
AMHERST TIRE CENTER INC	292 COLLEGE ST AMHERST MA	WSW	0.23 / 1,208.59	32
	Facility ID: *184* ***Tank ID* | *Status* | *Status Date***: *1* | *Tank Removed* | *12/30/1990, 2* | *Tank Removed* | *12/30/1990, 3* | *Tank Removed* | *12/30/1990*			

AST - Aboveground Storage Tanks

A search of the AST database, dated Nov 8, 2021 has found that there are 9 AST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002	W	0.19 / 980.15	30
	License No: *OSFM-02961* ***License Status***: *Active*			
MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002	W	0.19 / 980.15	30
	License No: *OSFM-00039* ***License Status***: *Active*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No**: OSFM-00038* ***License Status**: Active*	W	0.19 / 980.15	30
MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No**: OSFM-00037* ***License Status**: Active*	W	0.19 / 980.15	30
MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No**: OSFM-00036* ***License Status**: Active*	W	0.19 / 980.15	30
MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No**: OSFM-00035* ***License Status**: Active*	W	0.19 / 980.15	30
MONTAGUE CITY ROAD TERMINALS LLC	60 Shumay St Amherst MA 01002 ***License No**: OSFM-00034* ***License Status**: Active*	W	0.19 / 980.15	30
ALBANY STREET TERMINALS LLC	60 Shumway St Amherst MA 01002 ***License No**: OSFM-01623* ***License Status**: Active*	W	0.21 / 1,086.86	31
ALBANY STREET TERMINALS LLC	60 Shumway St Amherst MA 01002 ***License No**: OSFM-01622* ***License Status**: Active*	W	0.21 / 1,086.86	31

AUL - Sites with Activity and Use Limitations

A search of the AUL database, dated Nov 25, 2021 has found that there are 1 AUL site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMHERST TIRE CENTER	292 COLLEGE ST AMHERST MA	WSW	0.23 / 1,208.59	32

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 3 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORT RIVER ELEMENTARY	70 SOUTH EAST STREET AMHERST MA 01002 ***Registry ID**: 110022236089*	E	0.00 / 0.00	1
FORT RIVER SCHOOL	70 EAST ST S AMHERST MA 010020000 ***Registry ID**: 110043895470*	E	0.00 / 0.00	1
FORT RIVER SCHOOL	70 SOUTHEAST ST AMHERST MA 01002-2493 ***Registry ID**: 110024361750*	E	0.00 / 0.00	1

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Jun 14, 2021 has found that there are 1 ICIS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORT RIVER ELEMENTARY	70 SOUTH EAST STREET AMHERST MA 01002 ***Registry ID**: 110022236089*	E	0.00 / 0.00	1

FED DRYCLEANERS - Drycleaner Facilities

A search of the FED DRYCLEANERS database, dated May 5, 2021 has found that there are 1 FED DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLLEGE DRY CLEANERS	358 COLLEGE ST AMHERST MA 01002 ***FRS Facility ID**: 110003481492*	WSW	0.08 / 418.38	12

State

SPILLS - Oil Spill Program

A search of the SPILLS database, dated Nov 27, 2017 has found that there are 10 SPILLS site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CUMBERLAND FARMS INC	389 COLLEGE ST AMHERST MA	WSW	0.05 / 250.55	5
SOUTH EAST STREET	389 COLLEGE ST AMHERST MA	WSW	0.05 / 250.55	5
NO LOCATION AID	35 BELCHERTOWN RD/15 RESEARCH DR AMHERST MA	SW	0.06 / 332.28	9

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEXACO	35 BELCHERTOWN RD AMHERST MA 01002	SW	0.06 / 332.28	9
SUNOCO INC	40 BELCHERTOWN RD AMHERST MA	SW	0.07 / 355.00	10
NO LOCATION AID	360 COLLEGE ST AMHERST MA	WSW	0.08 / 414.52	11
CUMBERLAND FARMS	385 COLLEGE ST AMHERST MA	WSW	0.08 / 432.88	14
RENTAL PROPERTY	30 NORTHEAST ST AMHERST MA	NW	0.10 / 503.39	19
FORMER AMHERST GAS WORKS	36 PELHAM RD AMHERST MA	ENE	0.10 / 508.01	20
MULTI-FAMILY HOME	45 NORTHEAST ST AMHERST MA	NW	0.12 / 636.20	25

HIS SPILLS - Historic Spills that occurred prior to October 1st 1993

A search of the HIS SPILLS database, dated Prior to Oct 1, 1993 has found that there are 2 HIS SPILLS site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEXACO STATION	35 BELCHERTOWN ROAD AMHERST MA	SW	0.06 / 332.28	9
	Spill ID **|** ***Case Closed****: W92-0039*	*YES*		
	35 BELCHERTOWN RD AMHERST MA	SW	0.06 / 332.28	9
	Spill ID **|** ***Case Closed****: W89-0456*	*YES*		

OIL & HAZ MAT - Tier Classified Oil and/or Hazardous Material Sites

A search of the OIL & HAZ MAT database, dated Dec 22, 2020 has found that there are 1 OIL & HAZ MAT site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER AMHERST GAS WORKS	36 PELHAM RD AMHERST MA	ENE	0.10 / 508.01	20

GEN - Hazardous Waste and Waste Oil Generators

A search of the GEN database, dated Nov 23, 2021 has found that there are 5 GEN site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CUMBERLAND FARMS INC 2463	389 COLLEGE ST AMHERST MA 01002	WSW	0.05 / 250.55	5
EVERSOURCE ENERGY AMHERST MANUFACTURED G	854 MAIN ST AMHERST MA 01002	NNE	0.05 / 275.29	7
BARNEYS ENTERPRISES INC	40 BELCHERTOWN RD AMHERST MA 01002	SW	0.07 / 355.00	10
COLLEGE DRY CLEANERS	358 COLLEGE ST AMHERST MA 01002	WSW	0.08 / 418.38	12
AUTO EXPRESS	118 EAST ST S AMHERST MA 01002	SW	0.08 / 419.71	13

ASBESTOS PROJECT - Asbestos Projects

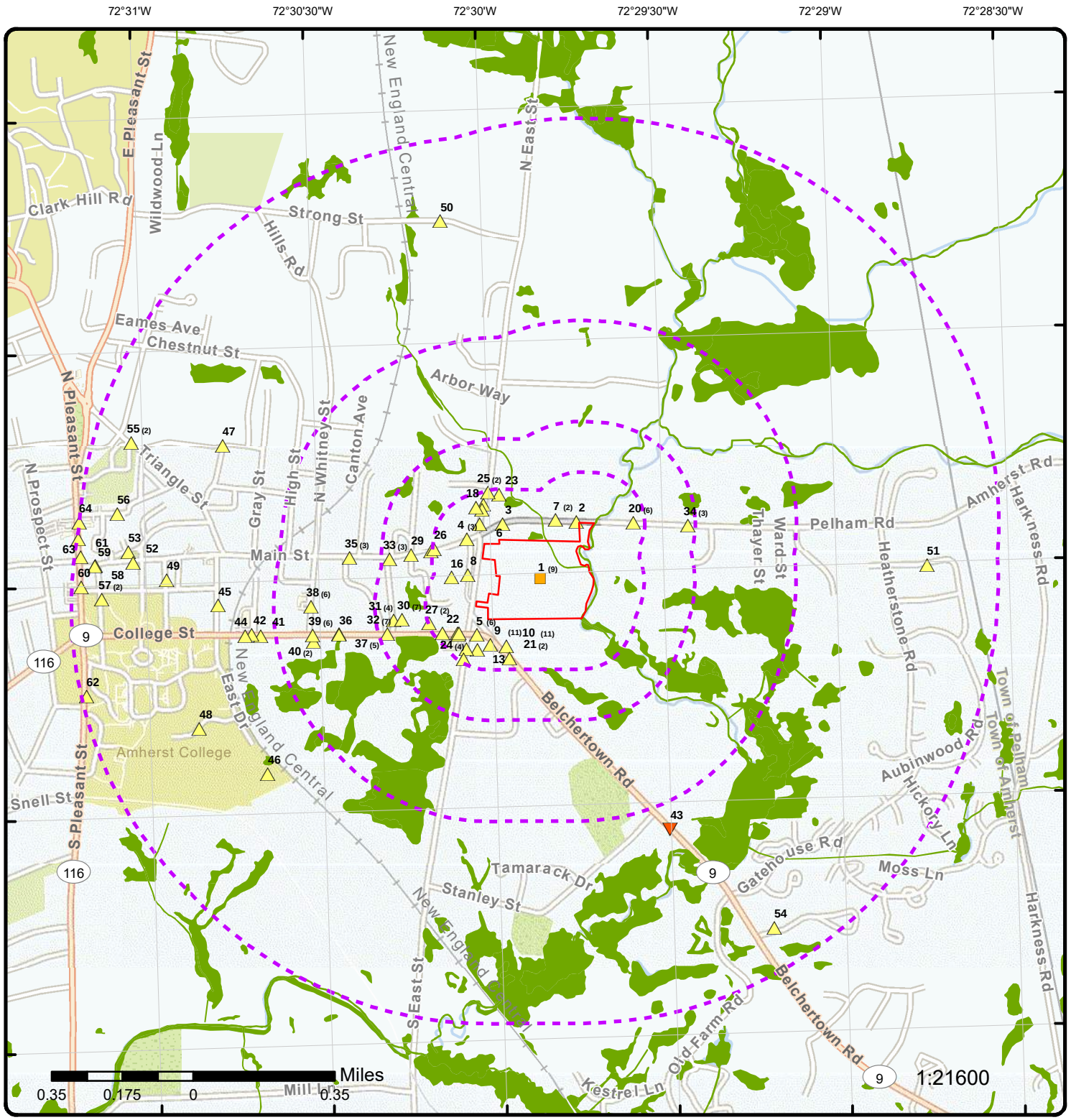
A search of the ASBESTOS PROJECT database, dated Sep 15, 2021 has found that there are 25 ASBESTOS PROJECT site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TRUDY SMITH	785 MAIN STREET AMHERST MA	NW	0.04 / 212.97	3
Jewish Community Of Amherst	742 Main Street AMHERST MA	WNW	0.04 / 235.09	4
JEWISH COMMUNITY OF AMHERST	742 MAIN STREET AMHERST MA	WNW	0.04 / 235.09	4
JEWISH COMMUNITY OF AMHERST	742 MAIN ST. AMHERST MA	WNW	0.04 / 235.09	4
ANDREW DESIERVO	10 NORTH EAST STREET AMHERST MA	NW	0.05 / 260.99	6

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
EAST STREET SCHOOL	31 SOUTH EAST STREET AMHERST MA	W	0.05 / 279.23	8
EAST STREET SCHOOL	31 SOUTHEAST STREET AMHERST MA	W	0.09 / 452.18	16
RESIDENTIAL STRUCTURE	118 SOUTH EAST ST. AMHERST MA	SW	0.09 / 478.70	17
RESIDENTIAL STRUCTURE	118 SOUTH EAST ST. AMHERST MA	SW	0.09 / 478.70	17
RESIDENTIAL	36 PELHAM ROAD AMHERST MA	ENE	0.10 / 508.01	20
36 PELHAM ROAD	36 PELHAM ROAD AMHERST MA	ENE	0.10 / 508.01	20
RESIDENTIAL	36 PELHAM ROAD AMHERST MA	ENE	0.10 / 508.01	20
RENS USED CARS-REYNOLD GLADU	48 BELCHERTOWN ROAD AMHERST MA	SSW	0.10 / 512.25	21
RENS USED CARS-REYNOLD GLADU	48 BELCHERTOWN ROAD AMHERST MA	SSW	0.10 / 512.25	21
PAUL SHUMWAY	328 COLLEGE STREET AMHERST MA	WSW	0.11 / 555.48	22
RESIDENCE	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	24
RESIDENCE	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	24
RESIDENTIAL	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	24

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
RESIDENCE	133 SOUTH EAST ST AMHERST MA	SW	0.12 / 607.30	24
RESIDENTIAL	710 MAIN STREET AMHERST MA	WNW	0.12 / 640.15	26

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORT RIVER SCHOOL	70 SOUTH EAST STREET AMHERST MA	E	0.00 / 0.00	1
FORT RIVER SCHOOL-AMHERST/PELHM REGS. SCHL	70 SOUTH EAST STREET AMHERST MA	E	0.00 / 0.00	1
FORT RIVER ELEMENTARY SCHOOL	70 SOUTHEAST STREET AMHERST MA	E	0.00 / 0.00	1
FORT RIVER SCHOOL-AMHERST/PELHAM REG. SCHL	70 SOUTHEAST STREET AMHERST MA	E	0.00 / 0.00	1
FORT RIVER SCHOOL-AMHERST/PELHAM	70 SOUTH EAST STREET AMHERST MA	E	0.00 / 0.00	1

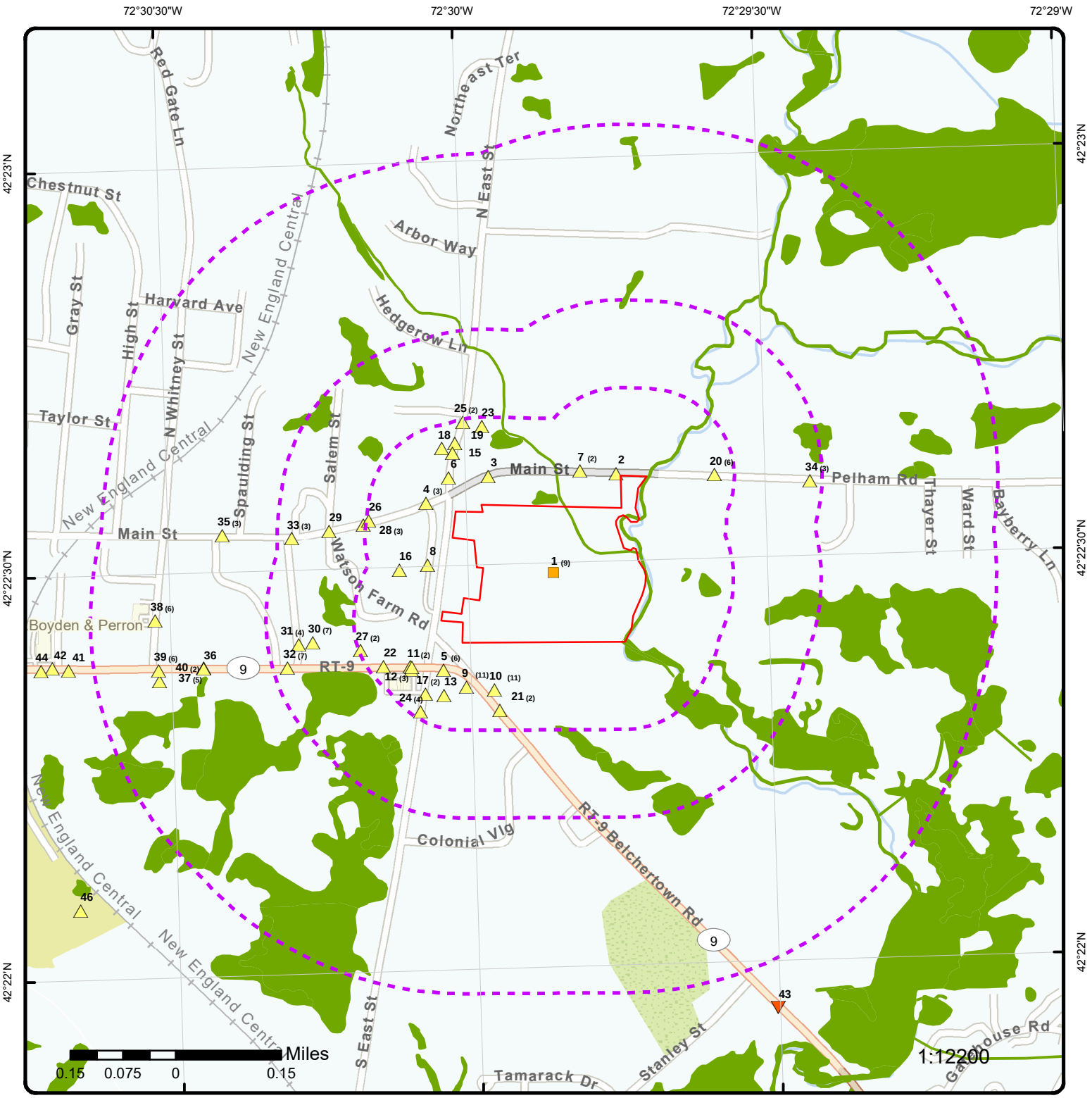


Map: 1.0 Mile Radius

Order Number: 21121700085

Address: 70 South East Street, Amherst, MA

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

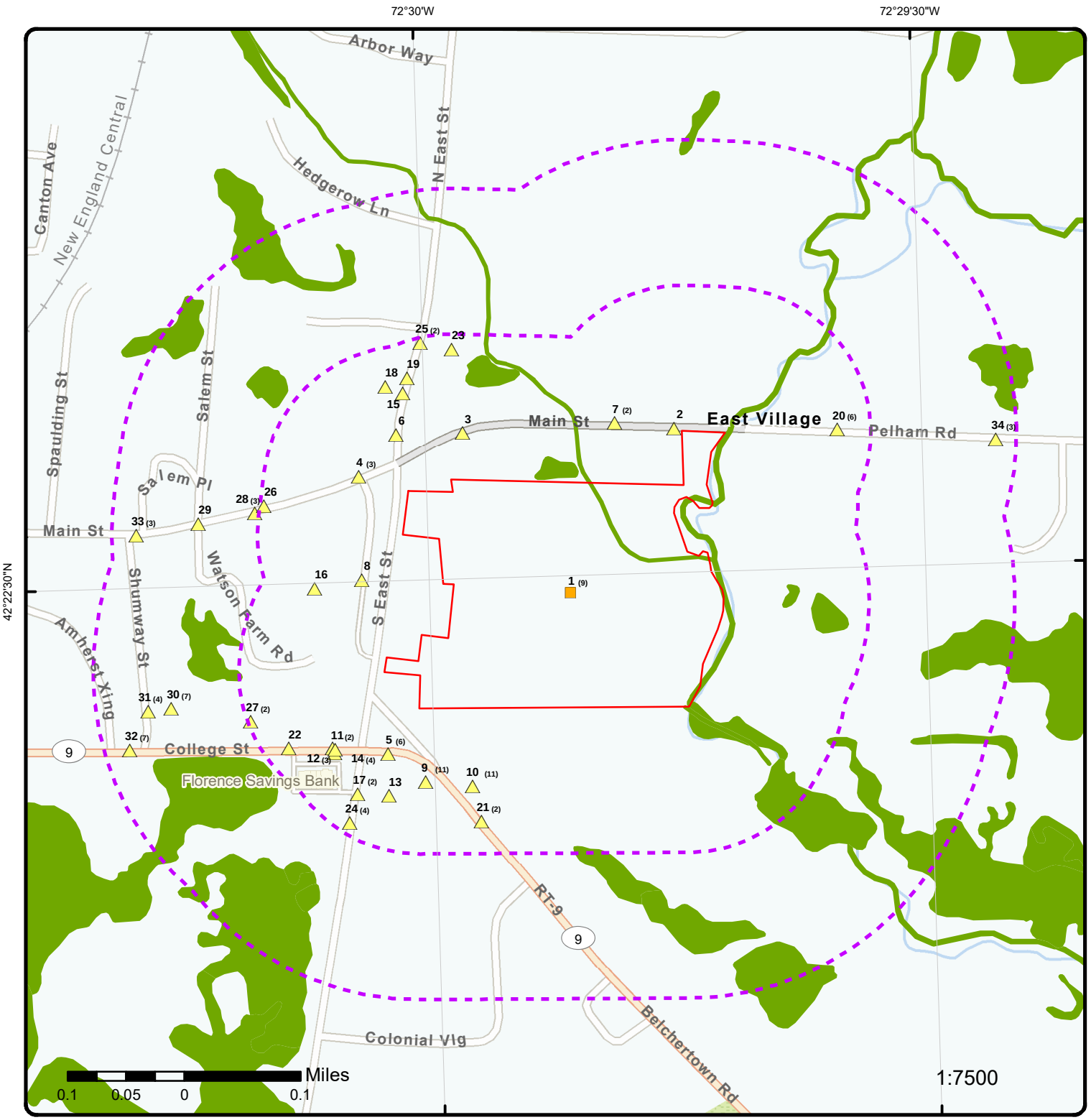


Map: 0.5 Mile Radius

Order Number: 21121700085

Address: 70 South East Street, Amherst, MA

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

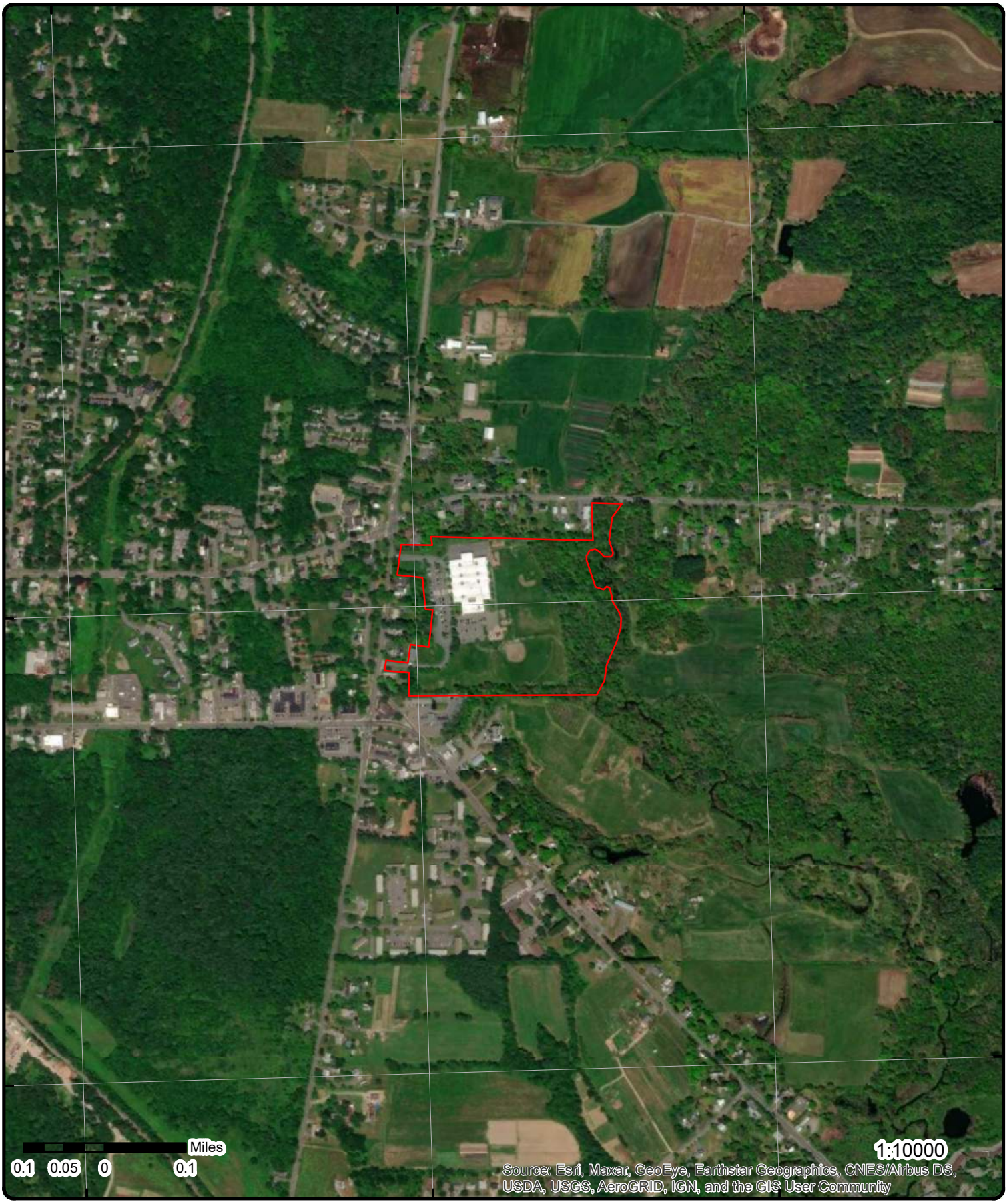


Map: 0.25 Mile Radius

Order Number: 21121700085

Address: 70 South East Street, Amherst, MA

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

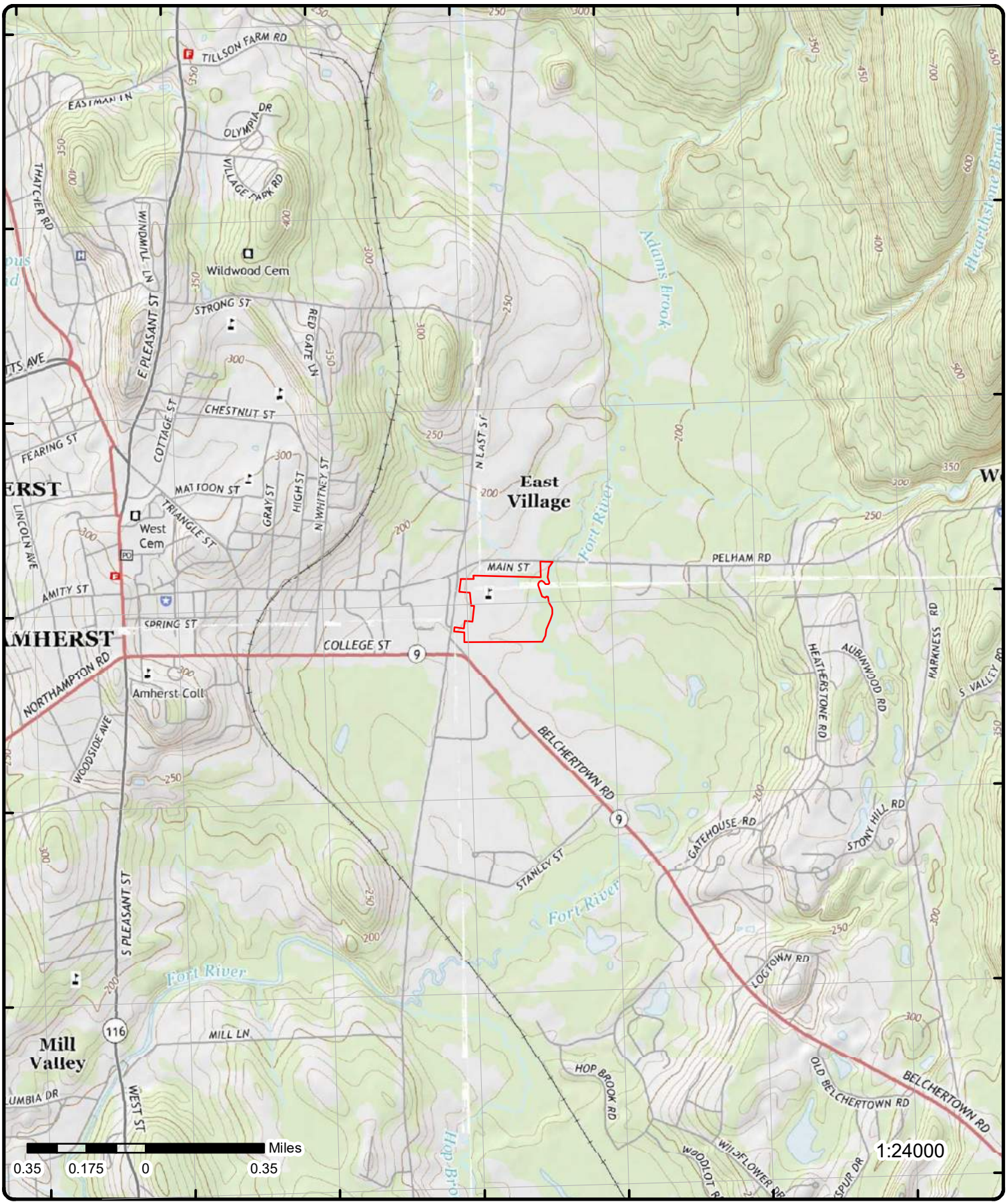


Aerial **Year: 2017**

Order Number: 21121700085

Address: 70 South East Street, Amherst, MA

Source: ESRI World Imagery



Topographic Map

Year: 2015

Order Number: 21121700085

Address: 70 South East Street, MA

Quadrangle(s): Mount Toby, MA; Belchertown, MA; Mount Holyoke, MA; Shutesbury, MA

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 9	E	0.00 / 0.00	172.34 / 0	FORT RIVER ELEMENTARY 70 SOUTH EAST STREET AMHERST MA 01002	FINDS/FRS

Registry ID:	110022236089
FIPS Code:	
HUC Code:	01080201
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	24-MAY-05
Update Date:	03-MAY-15
Interest Types:	ENFORCEMENT/COMPLIANCE ACTIVITY
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	01
Census Block Code:	250158205001007
EPA Region Code:	01
County Name:	HAMPSHIRE
US/Mexico Border Ind:	
Latitude:	42.37534
Longitude:	-72.50069
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110022236089
Program Acronyms:	

ICIS:1400005352

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 9	E	0.00 / 0.00	172.34 / 0	FORT RIVER SCHOOL 70 EAST ST S AMHERST MA 010020000	FINDS/FRS

Registry ID:	110043895470
FIPS Code:	25015
HUC Code:	01080201
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	29-SEP-11
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 01
Census Block Code: 250158205001007
EPA Region Code: 01
County Name: HAMPSHIRE
US/Mexico Border Ind:
Latitude: 42.37534
Longitude: -72.50069
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110043895470
Program Acronyms:

MA-EPICS:50200

1	3 of 9	E	0.00 / 0.00	172.34 / 0	**FORT RIVER SCHOOL** **70 SOUTHEAST ST** **AMHERST MA 01002-2493**	FINDS/FRS

Registry ID: 110024361750
FIPS Code: 25015
HUC Code: 01080201
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 24-JAN-06
Update Date: 01-JUN-17
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN, AIR MINOR, STATE MASTER
SIC Codes: 8211
SIC Code Descriptions: ELEMENTARY AND SECONDARY SCHOOLS
NAICS Codes: 611110
NAICS Code Descriptions: ELEMENTARY AND SECONDARY SCHOOLS.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 01
Census Block Code: 250158204001027
EPA Region Code: 01
County Name: HAMPSHIRE
US/Mexico Border Ind:
Latitude: 42.38237
Longitude: -72.53178
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110024361750
Program Acronyms:

AIR:MA0000002504200237, AIRS/AFS:2504200237, EIS:3958311, MA-EPICS:280966

1	4 of 9	E	0.00 / 0.00	172.34 / 0	**FORT RIVER ELEMENTARY** **70 SOUTH EAST STREET**	ICIS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					AMHERST MA 01002	

EPA Region:
Registry ID: 110022236089
Pgm Sys ID: 1400005352
Pgm Sys Acrnm: ICIS
Permit Type:
Federal Facility ID:
Tribal Land Code:
County: HAMPSHIRE
Latitude83: 42.37534
Longitude83: -72.50068999999999

Details

Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY
Pgm Report Url: no data yet
Active Status:
HUC8 Code: 01080201
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110022236089
Program Url:
Federal Agency Name:
Huc 12:
Federal Land Ind:
Fed Facility Code:
FIPS Code:
Public Ind: Y
Accuracy Value: 30
Ref Point Desc: CENTER OF A FACILITY OR STATION

1	5 of 9	E	0.00 / 0.00	172.34 / 0	FORT RIVER SCHOOL- AMHERST/PELHAM REG. SCHL 70 SOUTHEAST STREET AMHERST MA	ASBESTOS PROJECT

Project ID: 100080754
Form Type: ANF-001
Project Type: Renv
Owner Name: AMHERST/PELHAM REGIONAL SCHOOL DISTRICT
Owner address: 170 CHESTNUT STREET
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: CHRISTOPHER J. COOPEE
Site Supervisor ID: AS070247
Project Start Dt: 11/26/2008
Project End Dt: 11/29/2008

1	6 of 9	E	0.00 / 0.00	172.34 / 0	FORT RIVER SCHOOL- AMHERST/PELHAM 70 SOUTH EAST STREET AMHERST MA	ASBESTOS PROJECT

Project ID: 100081755
Form Type: ANF-001
Project Type: Renv
Owner Name: AMHERST/PELHAM REGIONAL SCHOOL DISTRICT
Owner address: 170 CHESTNUT STREET
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: CHRISTOPHER J. COOPEE
Site Supervisor ID: AS070247
Project Start Dt: 12/29/2008
Project End Dt: 1/3/2009

1	7 of 9	E	0.00 / 0.00	172.34 / 0	FORT RIVER ELEMENTARY SCHOOL 70 SOUTHEAST STREET AMHERST MA	ASBESTOS PROJECT

Project ID: 100074588
Form Type: ANF-001
Project Type: Renv
Owner Name: AMHERST-PELHAM REGIONAL SCHOOLS
Owner address: 170 CHESTNUT STREET
Project Start Dt: 7/18/2008
Project End Dt: 7/18/2008

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: Gregory A Lindsay
Site Supervisor ID: AS070173

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	8 of 9	E	0.00 / 0.00	172.34 / 0	FORT RIVER SCHOOL- AMHERST/PELHM REGS. SCHL 70 SOUTH EAST STREET AMHERST MA	ASBESTOS PROJECT

Project ID: 100086165
Form Type: ANF-001
Project Type: Renv
Project Start Dt: 4/21/2009
Project End Dt: 4/21/2009
Owner Name: AMHERST/PELHAM REGIONAL SCHOOL DISTRICT
Owner address: 170 CHESTNUT STREET
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: FRANK TILLI
Site Supervisor ID: AS071647

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	9 of 9	E	0.00 / 0.00	172.34 / 0	FORT RIVER SCHOOL 70 SOUTH EAST STREET AMHERST MA	ASBESTOS PROJECT

Project ID: 100123131
Form Type: ANF-001
Project Type: Renv
Project Start Dt: 7/22/2011
Project End Dt: 8/4/2011
Owner Name: AMHERST PUBLIC SCHOOLS
Owner address: 170 CHESTNUT STREET
DLS Contractor: ECONOMIC ENVIRO TECHS
DLS Contractor ID: AC000459
Site Supervisor: HENRY MOSES
Site Supervisor ID: AS031082

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	NE	0.01 / 37.04	173.70 / 1	W S PICKERING & SON INC 835 MAIN ST AMHERST MA	UST

Facility ID: 175
Owner ID: 7357
Facility Status: CLOSED
Facility Type: Commercial
Facility Name: W S PICKERING & SON INC
Fac Addr 1: 835 MAIN ST
Facility Address 2:
Facility City: AMHERST
Fac Zip: 01002
Facility Lat: 42.37641
Facility Long: -72.49588
Facility Contact:
Facility Phone:
Fac Name (Web): W S PICKERING & SON INC
Fac Address (Web): 835 MAIN ST
Fac City (Web): AMHERST
Facility ZIP(Web): 01002
Fac Status (Web): CLOSED
Fac Name (Map):
Address (Map):
City (Map):
Source: UST facility data from the MassDEP UST Program (FOIA request); Closed Facilities from the searchable UST database made available by the MassDEP UST Program

Facility Information Details

Contact Addr 1:
Contact Addr 2:
Contact City:
Contact State:
Contact ZIP:
Contact Phone:
Contact Email:
Update Date: 11/10/2005
Update By:

Searchable UST Facility Details

Last Inspection Dt:		***Owner Name:***	W S PICKERING & SON INC
Next Insp Due Date:		***Owner Contact Name:***	
Last Cert Compl Dt:		***Operator Name:***	W S PICKERING & SON INC
Next Cert Compl Due:		***Oper Contact Name:***	

Owner Infomation

Owner Name:	W S PICKERING & SON INC	***Contact Name:***	
Owner Addr 1:	835 MAIN ST	***Contact Addr 1:***	
Owner Addr 2:		***Contact Addr 2:***	
Owner City Town:	PELHAM	***Contact City Town:***	
Owner State:	MA	***Contact State:***	
Owner ZIP:	01002	***Contact ZIP:***	
Orginization Type:		***Contact Phone:***	
FR Type:	Commercial Insurance	***Contact E Mail:***	
Business:			

Tanks Information

Tank ID:	1	***Submersible Sump:***	NO
Install Date:	5/9/1971	***Submer Sump Instl:***	
Status:	Tank Removed	***Turbine Sump:***	NO
Status Date:	5/29/1987	***Turb Sump Sensor:***	NO
Use Type:		***Intermediate Sump:***	NO
Content:	Gasoline	***Interm Sump Sensor:***	NO
Capacity:	500	***Spl Buck Installed:***	
No of Compartment:		***Spill Bucket Sens:***	NO
Latitude:		***Overf Prot Instled:***	
Longitude:		***Overfill Prot Type:***	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:			
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	2	***Submersible Sump:***	NO
Install Date:	5/9/1971	***Submer Sump Instl:***	
Status:	Tank Removed	***Turbine Sump:***	NO
Status Date:	5/29/1987	***Turb Sump Sensor:***	NO
Use Type:		***Intermediate Sump:***	NO
Content:	Gasoline	***Interm Sump Sensor:***	NO
Capacity:	500	***Spl Buck Installed:***	
No of Compartment:		***Spill Bucket Sens:***	NO
Latitude:		***Overf Prot Instled:***	
Longitude:		***Overfill Prot Type:***	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:			
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	3	***Submersible Sump:***	NO
Install Date:	6/1/1987	***Submer Sump Instl:***	
Status:	Tank Removed	***Turbine Sump:***	NO
Status Date:	1/18/1995	***Turb Sump Sensor:***	NO
Use Type:		***Intermediate Sump:***	NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Content:	Gasoline		**Interm Sump Sensor:**	NO	
Capacity:	1000		**Spl Buck Installed:**		
No of Compartment:			**Spill Bucket Sens:**	NO	
Latitude:			**Overf Prot Instled:**		
Longitude:			**Overfill Prot Type:**		
Auto Line Lk Dtect:					
Pipe Install Date:					
Pipe Type:					
Pipe Construct:					
Pipe Leak Detect:					
Pipe Leak Install:					
Tank Construct:					
Tank Leak Detect:					
Tank Corrosion Type:					
Leak Corrosion Type:					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 1	NW	0.04 / 212.97	180.93 / 8	TRUDY SMITH 785 MAIN STREET AMHERST MA	ASBESTOS PROJECT

Project ID:	100201124	**Project Start Dt:**	6/26/2014
Form Type:	ANF-001	**Project End Dt:**	9/24/2013
Project Type:	Renv		
Owner Name:	TRUDY SMITH		
Owner address:	785 MAIN STREET		
DLS Contractor:	TOP NOTCH ABATEMENT		
DLS Contractor ID:	AC000820		
Site Supervisor:	RUSS ORCUTT		
Site Supervisor ID:	AS070983		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 3	WNW	0.04 / 235.09	187.41 / 15	JEWISH COMMUNITY OF AMHERST 742 MAIN ST. AMHERST MA	ASBESTOS PROJECT

Project ID:	559418	**Project Start Dt:**	1/29/2003
Form Type:	ANF-001	**Project End Dt:**	1/29/2003
Project Type:	RENOVATION		
Owner Name:	JEWISH COMMUNITY OF AMHERST		
Owner address:	742 MAIN ST.		
DLS Contractor:	ABIDE INC		
DLS Contractor ID:	AC000254		
Site Supervisor:	JAMES S LOWELL		
Site Supervisor ID:	AS071533		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of 3	WNW	0.04 / 235.09	187.41 / 15	JEWISH COMMUNITY OF AMHERST 742 MAIN STREET AMHERST MA	ASBESTOS PROJECT

Project ID:	100279636	**Project Start Dt:**	1/22/2018
Form Type:	ANF-001	**Project End Dt:**	1/22/2018
Project Type:	Renv		
Owner Name:	JEWISH COMMUNITY OF AMHERST		
Owner address:	742 MAIN STREET		
DLS Contractor:	ABIDE INC		
DLS Contractor ID:	AC000254		
Site Supervisor:	LARRY A. HOLLAND		
Site Supervisor ID:	AS070101		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	3 of 3	WNW	0.04 / 235.09	187.41 / 15	Jewish Community Of Amherst 742 Main Street	ASBESTOS PROJECT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					AMHERST MA	

Project ID: 558475
Form Type: ANF-001
Project Type: Renovation
Owner Name: Jewish Community Of Amherst
Owner address: 742 Main Street
DLS Contractor: MERCURY TECHNICAL SERVICES INCORPORATED
DLS Contractor ID: AC000380
Site Supervisor: MONA L LEHR
Site Supervisor ID: AS072898
Project Start Dt: 1/23/2003
Project End Dt: 1/23/2003

5	1 of 6	WSW	0.05 / 250.55	177.78 / 5	SOUTH EAST STREET 389 COLLEGE ST AMHERST MA	RELEASE

RTN: 1-0013161
Compliance Date: 02/15/2000
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/19/1999
Source:
Reporting Category: 120 DY
Site (EEA Data): SOUTH EAST STREET
Rel Add(EEA Data): 389 COLLEGE ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013161
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013161
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: B1
Chemical Type: Hazardous Material
Location Type:
Site Name (BWSC): SOUTH EAST STREET
Address (BWSC): 389 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: BERYLLIUM
Amount: 1.1
Units: MG/KG

Chemical: ARSENIC
Amount: 30
Units: MG/KG

Action Information (BWSC)

Status: REPORT
Date: 19-Oct-1999
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Action: RNF

Status: RAORCD
Date: 15-Feb-2000
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Action: RAO

Status: ISSUED
Date: 29-Oct-1999
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: B1
Action: NOR

RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Status: REPORT
Action: REL
Date: 19-Oct-1999
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release (BWSC) Detail

Prim ID:
Category: 120 DY
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: B1
Current Date: 15-Feb-2000
OHM: Hazardous Material
OFC Notification: 19-Oct-1999
Phase Desc:
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Other Rela:

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5 | **2 of 6** | **WSW** | **0.05 / 250.55** | **177.78 / 5** | **CUMBERLAND FARMS INC**
389 COLLEGE ST
AMHERST MA | **RELEASE**

RTN: 1-0015534
Phase:
Compliance Date: 01/11/2005
RAO Class: A1
Compliance Status: RAO
Chemical Type: Oil
Compl Status Desc: Response Action Outcome
Location Type:
Notification Date: 01/11/2005
Site Name (BWSC): CUMBERLAND FARMS INC
Source:
Address (BWSC): 389 COLLEGE ST
Reporting Category: TWO HR
Town (BWSC): AMHERST
Site (EEA Data): CUMBERLAND FARMS INC
Zip Code (BWSC):
Rel Add(EEA Data): 389 COLLEGE ST
OFC Town (BWSC): AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015534
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015534
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 20
Units: GAL

Action Information (BWSC)

Status: APORAL
Action: IRA
Date: 09-Nov-2004
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT
Action: RNF
Date: 11-Jan-2005
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD **Action:** RAO
Date: 11-Jan-2005
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED **Action:** NOR
Date: 10-Nov-2004
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** REL
Date: 09-Nov-2004
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A1
Current Date: 11-Jan-2005 **OHM:** Oil
OFC Notification: 11-Jan-2005
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	3 of 6	WSW	0.05 / 250.55	177.78 / 5	CUMBERLAND FARMS INC 2463 389 COLLEGE ST AMHERST MA 01002	RCRA VSQG

EPA Handler ID: MAC300003795
Gen Status Universe: VSG
Contact Name: MATHEW D YOUNG
Contact Address: 165 , FLANDERS RD , CUMBERLAND FARMS INC , WESTBOROUGH , MA, 01581 , US
Contact Phone No and Ext: 508-270-1400 x4477
Contact Email: MYOUNG@CUMBERLANDFARMS.COM
Contact Country: US
County Name: HAMPSHIRE
EPA Region: 01
Land Type: Private
Receive Date: 20210901
Location Latitude: 42.372288
Location Longitude: -72.500108

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20050907
Handler Name:	CUMBERLAND FARMS INC 2463
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	MA01
Waste Code Description:	WASTE OIL
Hazardous Waste Code:	MA98
Waste Code Description:	OFF SPECIFICATION USED OIL FUEL THAT IS SHIPPED USING A HW MANIFEST

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20210901
Handler Name:	CUMBERLAND FARMS INC 2463
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE
Hazardous Waste Code:	MA01
Waste Code Description:	WASTE OIL
Hazardous Waste Code:	MA98
Waste Code Description:	OFF SPECIFICATION USED OIL FUEL THAT IS SHIPPED USING A HW MANIFEST

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	CUMBERLAND FARMS, INC.
Name:	CUMBERLAND FARMS INC	***Street 2:***	777 DEDHAM ST.
Date Became Current:	19970121	***City:***	CANTON
Date Ended Current:		***State:***	MA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	02021-0000
Owner/Operator Ind:	Current Operator	**Street No:**	165
Type:	Private	**Street 1:**	FLANDERS RD
Name:	CUMBERLAND FARMS INC	**Street 2:**	CUMBERLAND FARMS INC
Date Became Current:	19970121	**City:**	WESTBOROUGH
Date Ended Current:		**State:**	MA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	01581
Owner/Operator Ind:	Current Owner	**Street No:**	165
Type:	Private	**Street 1:**	FLANDERS RD
Name:	CUMBERLAND FARMS INC	**Street 2:**	CUMBERLAND FARMS INC
Date Became Current:	19970121	**City:**	WESTBOROUGH
Date Ended Current:		**State:**	MA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	01581
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	CUMBERLAND FARMS, INC.
Name:	CUMBERLAND FARMS INC	**Street 2:**	777 DEDHAM ST.
Date Became Current:	19970121	**City:**	CANTON
Date Ended Current:		**State:**	MA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	02021-0000

Historical Handler Details

Receive Dt:	20050907
Generator Code Description:	Very Small Quantity Generator
Handler Name:	CUMBERLAND FARMS INC 2463

5	*4 of 6*	*WSW*	*0.05 / 250.55*	*177.78 / 5*	***SOUTH EAST STREET*** ***389 COLLEGE ST*** ***AMHERST MA***	***SPILLS***

RTN:	1-0013161
Primary ID:	
Compliance Status:	
Current Status:	RAO
Current Status Desc:	Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date:	2/15/2000
RAO Class:	B1
RAO Class Desc:	Remedial actions have not been conducted because a level of No Significant Risk exists
Chemical Type:	
Release Type:	RAO
Location Type:	
Category:	120 DY
Initial Status Date:	10/19/2000
Notification Date:	10/19/1999
Source:	
Additional Files URL:	http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0013161
Phase:	
Phase Desc:	
Office Town:	AMHERST

Actions

Action:	NOR
Status:	ISSUED
RAO Class:	B1
Date:	10/29/1999
Status Description:	Correspondence Issued

Action: REL
Status: REPORT
RAO Class: B1
Date: 10/19/1999
Status Description: Reportable Release under MGL 21E

Action: RNF
Status: REPORT
RAO Class: B1
Date: 10/19/1999
Status Description: Reportable Release under MGL 21E

Action: RAO
Status: RAORCD
RAO Class: B1
Date: 2/15/2000
Status Description: RAO Statement Received (retired)

Chemical Information

Chemical: ARSENIC
Amount: 30
Unit: MG/KG

Chemical: BERYLLIUM
Amount: 1.1
Unit: MG/KG

LSP Information

LSP: N/A
Name: MARIANO, CHRISTOPHER G

Response Action Information

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 02/15/2000
RAO Class: B1
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/19/1999
RAO Class:
Activity Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/19/1999
RAO Class:
Activity Use Limitation:

RAO Information

Class: B1
Method: N
GW Category: 2
Soil Category: 1

5	*5 of 6*	*WSW*	*0.05 / 250.55*	*177.78 / 5*	***CUMBERLAND FARMS INC 389 COLLEGE ST***	***SPILLS***

RTN: 1-0015534
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 1/11/2005
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated
Chemical Type:
Release Type: RAO
Location Type:
Category: TWO HR
Initial Status Date: 1/11/2006
Notification Date: 1/11/2005
Source:
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0015534
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: NOR
Status: ISSUED
RAO Class: A1
Date: 11/10/2004
Status Description: Correspondence Issued

Action: RNF
Status: REPORT
RAO Class: A1
Date: 1/11/2005
Status Description: Reportable Release under MGL 21E

Action: REL
Status: REPORT
RAO Class: A1
Date: 11/9/2004
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: APORAL
RAO Class: A1
Date: 11/9/2004
Status Description: Oral Approval of Plan or Action

Action: RAO
Status: RAORCD
RAO Class: A1
Date: 1/11/2005
Status Description: RAO Statement Received (retired)

Chemical Information

Chemical: GASOLINE
Amount: 20
Unit: GAL

LSP Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LSP: 4813
Name: SHEEHAN, KEVIN C

Response Action Information

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 11/09/2004
RAO Class:
Activity Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 01/11/2005
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 01/11/2005
RAO Class: A1
Activity Use Limitation: NONE

Response Action Type: IRA Immediate Response Action
Status: APORAL Oral Approval of Plan or Action
Submittal Date: 11/09/2004
RAO Class:
Activity Use Limitation:

RAO Information

Class: A1
Method: N
GW Category:
Soil Category: 2

5	6 of 6	WSW	0.05 / 250.55	177.78 / 5	CUMBERLAND FARMS INC 2463 389 COLLEGE ST AMHERST MA 01002	GEN

EPA ID No: MAC300003795
2nd Name:
Phone: 800-225-9702

6	1 of 1	NW	0.05 / 260.99	184.53 / 12	ANDREW DESIERVO 10 NORTH EAST STREET AMHERST MA	ASBESTOS PROJECT

Project ID: 100257538
Form Type: ANF-001
Project Type: Renv
Project Start Dt: 1/9/2017
Project End Dt: 1/9/2017
Owner Name: ANDREW DESIERVO
Owner address: 10 NORTH EAST STREET
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: JOHN LADOUCEUR
Site Supervisor ID: AS070612

7	1 of 2	NNE	0.05 / 275.29	176.40 / 4	EVERSOURCE ENERGY AMHERST MANUFACTURED G 854 MAIN ST AMHERST MA 01002	RCRA SQG

EPA Handler ID: MAC300008612
Gen Status Universe: Small Quantity Generator
Contact Name: RUTHANNE CALABRESE
Contact Address: EVERSOURCE ENERGY ENVIRONMENTA , PO BOX 270 , HARTFORD , CT, 06141-0270 , US
Contact Phone No and Ext: 860-665-6181
Contact Email: RUTHANNE.CALABRESE@EVERSOURCE.COM
Contact Country: US
County Name: HAMPSHIRE
EPA Region: 01
Land Type: Private
Receive Date: 20150625
Location Latitude: 42.376933
Location Longitude: -72.496833

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20070801
Handler Name: EVERSOURCE ENERGY AMHERST MANUFACTURED G
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: K141
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

Hazardous Waste Code: K142
Waste Code Description: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

Hazardous Waste Code: K143
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLS, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K144

Waste Code Description: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K145
Waste Code Description: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K147
Waste Code Description: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

Hazardous Waste Code: K148
Waste Code Description: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

Hazardous Waste Code: U018
Waste Code Description: BENZ[A]ANTHRACENE

Hazardous Waste Code: U022
Waste Code Description: BENZO[A]PYRENE

Hazardous Waste Code: U050
Waste Code Description: CHRYSENE

Hazardous Waste Code: U120
Waste Code Description: FLUORANTHENE

Hazardous Waste Code: U137
Waste Code Description: INDENO[1,2,3-CD]PYRENE

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20101215
Handler Name: EVERSOURCE ENERGY AMHERST MANUFACTURED G
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: K141
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

Hazardous Waste Code: K142
Waste Code Description: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

Hazardous Waste Code: K143
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLS, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K144
Waste Code Description: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS

PRODUCED FROM COAL.

Hazardous Waste Code: K145
Waste Code Description: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K147
Waste Code Description: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

Hazardous Waste Code: K148
Waste Code Description: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

Hazardous Waste Code: U018
Waste Code Description: BENZ[A]ANTHRACENE

Hazardous Waste Code: U022
Waste Code Description: BENZO[A]PYRENE

Hazardous Waste Code: U050
Waste Code Description: CHRYSENE

Hazardous Waste Code: U120
Waste Code Description: FLUORANTHENE

Hazardous Waste Code: U137
Waste Code Description: INDENO[1,2,3-CD]PYRENE

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20120927
Handler Name: EVERSOURCE ENERGY AMHERST MANUFACTURED G
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: K141
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

Hazardous Waste Code: K142
Waste Code Description: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

Hazardous Waste Code: K143
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLS, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K144
Waste Code Description: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K145
Waste Code Description: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K147
Waste Code Description: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

Hazardous Waste Code: K148
Waste Code Description: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

Hazardous Waste Code: U018
Waste Code Description: BENZ[A]ANTHRACENE

Hazardous Waste Code: U022
Waste Code Description: BENZO[A]PYRENE

Hazardous Waste Code: U050
Waste Code Description: CHRYSENE

Hazardous Waste Code: U120
Waste Code Description: FLUORANTHENE

Hazardous Waste Code: U137
Waste Code Description: INDENO[1,2,3-CD]PYRENE

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20150625
Handler Name: EVERSOURCE ENERGY AMHERST MANUFACTURED G
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: K141
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

Hazardous Waste Code: K142
Waste Code Description: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

Hazardous Waste Code: K143
Waste Code Description: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLS, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K144
Waste Code Description: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K145
Waste Code Description: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF

COKE BY-PRODUCTS PRODUCED FROM COAL.

Hazardous Waste Code: K147
Waste Code Description: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

Hazardous Waste Code: K148
Waste Code Description: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

Hazardous Waste Code: U018
Waste Code Description: BENZ[A]ANTHRACENE

Hazardous Waste Code: U022
Waste Code Description: BENZO[A]PYRENE

Hazardous Waste Code: U050
Waste Code Description: CHRYSENE

Hazardous Waste Code: U120
Waste Code Description: FLUORANTHENE

Hazardous Waste Code: U137
Waste Code Description: INDENO[1,2,3-CD]PYRENE

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	107 SELDEN ST
Name:	WESTERN MASSACHUSETTS ELECTRIC CO	***Street 2:***	
Date Became Current:	20020306	***City:***	BERLIN
Date Ended Current:		***State:***	CT
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	06037-0000

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	107 SELDEN ST
Name:	MR. FREDERICK LUDDY	***Street 2:***	
Date Became Current:	19761105	***City:***	BERLIN
Date Ended Current:		***State:***	CT
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	06037-0000

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	C/O WASTE MANAGEMENT
Name:	WESTERN MASSACHUSETTS ELECTRIC CO	***Street 2:***	PO BOX 270
Date Became Current:	20020306	***City:***	HARTFORD
Date Ended Current:		***State:***	CT
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	06141-0270

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	EVERSOURCE ENERGY ENVIRONMENTA
Name:	MR. JOSHUA S GOLDSTEIN	***Street 2:***	PO BOX 270
Date Became Current:	20070115	***City:***	HARTFORD
Date Ended Current:		***State:***	CT
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	06141-0270

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	C/O WASTE MANAGEMENT - 3333 BU
Name:	WESTERN MASSACHUSETTS ELECTRIC CO	**Street 2:**	PO BOX 270
Date Became Current:	20020306	**City:**	HARTFORD
Date Ended Current:		**State:**	CT
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	06141-0270

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	EVERSOURCE ENERGY ENVIRONMENTA
Name:	WESTERN MASSACHUSETTS ELECTRIC CO	**Street 2:**	PO BOX 270
Date Became Current:	20020306	**City:**	HARTFORD
Date Ended Current:		**State:**	CT
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	06141-0270

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	C/O WASTE MANAGEMENT
Name:	MR. JOSHUA S GOLDSTEIN	**Street 2:**	PO BOX 270
Date Became Current:	20070115	**City:**	HARTFORD
Date Ended Current:		**State:**	CT
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	06141-0270

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	C/O WASTE MANAGEMENT - 3333 BU
Name:	MR. JOSHUA S GOLDSTEIN	**Street 2:**	PO BOX 270
Date Became Current:	20070115	**City:**	HARTFORD
Date Ended Current:		**State:**	CT
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	06141-0270

Historical Handler Details

Receive Dt:	20120927
Generator Code Description:	Small Quantity Generator
Handler Name:	EVERSOURCE ENERGY AMHERST MANUFACTURED G

Receive Dt:	20101215
Generator Code Description:	Small Quantity Generator
Handler Name:	EVERSOURCE ENERGY AMHERST MANUFACTURED G

Receive Dt:	20070801
Generator Code Description:	Small Quantity Generator
Handler Name:	EVERSOURCE ENERGY AMHERST MANUFACTURED G

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7 | ***2 of 2*** | ***NNE*** | ***0.05 / 275.29*** | ***176.40 / 4*** | ***EVERSOURCE ENERGY AMHERST MANUFACTURED G 854 MAIN ST AMHERST MA 01002*** | ***GEN***

EPA ID No:	MAC300008612
2nd Name:	
Phone:	860-665-6181

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8 | ***1 of 1*** | ***W*** | ***0.05 / 279.23*** | ***183.98 / 11*** | ***EAST STREET SCHOOL 31 SOUTH EAST STREET AMHERST MA*** | ***ASBESTOS PROJECT***

Project ID:	765131	**Project Start Dt:**	4/21/2003
Form Type:	ANF-001	**Project End Dt:**	4/24/2003
Project Type:	RENOVATION		
Owner Name:	TOWN OF AMHERST		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner address: 170 CHESTNUT STREET
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor:
Site Supervisor ID:

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9 | **1 of 11** | **SW** | **0.06 / 332.28** | **176.30 / 4** | **CUMBERLAND FARMS #2463**
35 BELCHERTOWN RD
AMHERST MA | **UST**

Facility ID: 182
Owner ID: 1602
Facility Status: OPEN
Facility Type: Retail Motor Vehicle Fuel Dispensing
Facility Name: CUMBERLAND FARMS #2463
Fac Addr 1: 35 BELCHERTOWN RD
Facility Address 2:
Facility City: AMHERST
Fac Zip: 01002
Facility Lat: 42.37227
Facility Long: -72.50009
Source: UST facility data from the MassDEP UST Program (FOIA request); Open Facilities from the searchable UST database made available by the MassDEP UST Program; MassDEP Underground Storage Tanks datalayer with the Point Development Tool (PDT) dated April 2016

Facility Contact: Martin Hilfinger
Facility Phone: 4132568332
Fac Name (Web): CUMBERLAND FARMS #2463
Fac Address (Web): 35 BELCHERTOWN RD
Fac City (Web): AMHERST
Facility ZIP(Web): 01002
Fac Status (Web): OPEN
Fac Name (Map): CUMBERLAND FARMS INC
Address (Map): 35 BELCHERTOWN RD
City (Map): AMHERST

Facility Information Details

Contact Addr 1: 165 Flanders Road
Contact Addr 2:
Contact City: Westborough
Contact State: MA
Contact ZIP: 01581

Contact Phone: 5082704444
Contact Email: mhilfinger@cumberlandfarms.com
Update Date: 10/27/2020
Update By: Martin Hilfinger

Searchable UST Facility Details

Last Inspection Dt: 3/31/2021
Next Insp Due Date: 4/15/2024
Last Cert Compl Dt: 9/24/2019
Next Cert Compl Due: 10/15/2022

Owner Name: CUMBERLAND FARMS INC
Owner Contact Name: Martin Hilfinger
Operator Name: CUMBERLAND FARMS INC
Oper Contact Name: Martin Hilfinger

Owner Infomation

Owner Name: CUMBERLAND FARMS INC
Owner Addr 1: 165 Flanders Road
Owner Addr 2:
Owner City Town: Westborough
Owner State: MA
Owner ZIP: 01581
Orginization Type: Private
FR Type: Commercial Insurance
Business: Corporation or non-profit corporation

Contact Name: Martin Hilfinger
Contact Addr 1: 165 Flanders Road
Contact Addr 2:
Contact City Town: Westborough
Contact State: MA
Contact ZIP: 01581
Contact Phone: 5082704444
Contact E Mail: mhilfinger@cumberlandfarms.com

Tanks Information

Tank ID: 5
Install Date: 1/1/1971
Status: Tank Removed
Status Date: 9/8/1987
Use Type:
Content: Bulk Heating or Fuel Oil (#2,#4,#6)
Capacity: 550
No of Compartment:

Submersible Sump: NO
Submer Sump Instl:
Turbine Sump: NO
Turb Sump Sensor: NO
Intermediate Sump: NO
Interm Sump Sensor: NO
Spl Buck Installed:
Spill Bucket Sens: NO

Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:	Manual Tank Gauging (1,000G or less capacity tank)		
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	4	**Submersible Sump:**	NO
Install Date:	1/1/1971	**Submer Sump Instl:**	
Status:	Tank Removed	**Turbine Sump:**	NO
Status Date:	1/30/1992	**Turb Sump Sensor:**	NO
Use Type:		**Intermediate Sump:**	NO
Content:	Waste Oil	**Interm Sump Sensor:**	NO
Capacity:	1000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:	Manual Tank Gauging (1,000G or less capacity tank)		
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	1	**Submersible Sump:**	NO
Install Date:	1/1/1971	**Submer Sump Instl:**	
Status:	Tank Removed	**Turbine Sump:**	NO
Status Date:	1/30/1992	**Turb Sump Sensor:**	NO
Use Type:	Motor Vehicle	**Intermediate Sump:**	NO
Content:	Gasoline	**Interm Sump Sensor:**	NO
Capacity:	8000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:	Manual Tank Gauging (1,000G or more capacity tank)		
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	8	**Submersible Sump:**	YES
Install Date:	6/16/1999	**Submer Sump Instl:**	
Status:	In Use	**Turbine Sump:**	YES
Status Date:		**Turb Sump Sensor:**	YES
Use Type:	Motor Vehicle	**Intermediate Sump:**	NO
Content:	Gasoline	**Interm Sump Sensor:**	NO
Capacity:	8000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:	42.37254	**Overf Prot Instled:**	
Longitude:	-72.50038	**Overfill Prot Type:**	Automatic shut-off valve
Auto Line Lk Dtect:			
Pipe Install Date:	6/16/1999		
Pipe Type:	Pressurized piping system with mechanical automatic line leak detection		
Pipe Construct:	Double-walled non-corrodible material (No corrosion protection required)		

Pipe Leak Detect: Continuous Interstitial Space Monitoring
Pipe Leak Install:
Tank Construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Tank Leak Detect: Continuous Interstitial Monitoring
Tank Corrosion Type:
Leak Corrosion Type:

Tank ID: 2
Install Date: 1/1/1971
Status: Tank Removed
Status Date: 1/30/1992
Use Type: Motor Vehicle
Content: Gasoline
Capacity: 8000
No of Compartment:
Latitude:
Longitude:
Auto Line Lk Dtect:
Pipe Install Date:
Pipe Type:
Pipe Construct:
Pipe Leak Detect:
Pipe Leak Install:
Tank Construct:
Tank Leak Detect: Manual Tank Gauging (1,000G or more capacity tank)
Tank Corrosion Type:
Leak Corrosion Type:
Submersible Sump: NO
Submer Sump Instl:
Turbine Sump: NO
Turb Sump Sensor: NO
Intermediate Sump: NO
Interm Sump Sensor: NO
Spl Buck Installed:
Spill Bucket Sens: NO
Overf Prot Instled:
Overfill Prot Type:

Tank ID: 3
Install Date: 1/1/1971
Status: Tank Removed
Status Date: 1/30/1992
Use Type: Motor Vehicle
Content: Gasoline
Capacity: 8000
No of Compartment:
Latitude:
Longitude:
Auto Line Lk Dtect:
Pipe Install Date:
Pipe Type:
Pipe Construct:
Pipe Leak Detect:
Pipe Leak Install:
Tank Construct:
Tank Leak Detect: Manual Tank Gauging (1,000G or more capacity tank)
Tank Corrosion Type:
Leak Corrosion Type:
Submersible Sump: NO
Submer Sump Instl:
Turbine Sump: NO
Turb Sump Sensor: NO
Intermediate Sump: NO
Interm Sump Sensor: NO
Spl Buck Installed:
Spill Bucket Sens: NO
Overf Prot Instled:
Overfill Prot Type:

Tank ID: 6
Install Date: 6/16/1999
Status: In Use
Status Date:
Use Type: Motor Vehicle
Content: Gasoline
Capacity: 12000
No of Compartment:
Latitude: 42.37259
Longitude: -72.50035
Auto Line Lk Dtect:
Pipe Install Date: 6/16/1999
Pipe Type: Pressurized piping system with mechanical automatic line leak detection
Pipe Construct: Double-walled non-corrodible material (No corrosion protection required)
Pipe Leak Detect: Continuous Interstitial Space Monitoring
Pipe Leak Install:
Tank Construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Tank Leak Detect: Continuous Interstitial Monitoring
Tank Corrosion Type:
Leak Corrosion Type:
Submersible Sump: YES
Submer Sump Instl:
Turbine Sump: YES
Turb Sump Sensor: YES
Intermediate Sump: NO
Interm Sump Sensor: NO
Spl Buck Installed:
Spill Bucket Sens: NO
Overf Prot Instled:
Overfill Prot Type: Automatic shut-off valve

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID:	7	**Submersible Sump:**	YES
Install Date:	6/16/1999	**Submer Sump Instl:**	
Status:	In Use	**Turbine Sump:**	YES
Status Date:		**Turb Sump Sensor:**	YES
Use Type:	Motor Vehicle	**Intermediate Sump:**	NO
Content:	Gasoline	**Interm Sump Sensor:**	NO
Capacity:	12000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:	42.37256	**Overf Prot Instled:**	
Longitude:	-72.50036	**Overfill Prot Type:**	Automatic shut-off valve
Auto Line Lk Dtect:			

Pipe Install Date:	6/16/1999
Pipe Type:	Pressurized piping system with mechanical automatic line leak detection
Pipe Construct:	Double-walled non-corrodible material (No corrosion protection required)
Pipe Leak Detect:	Continuous Interstitial Space Monitoring
Pipe Leak Install:	
Tank Construct:	Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Tank Leak Detect:	Continuous Interstitial Monitoring
Tank Corrosion Type:	
Leak Corrosion Type:	

MassGIS Data : MassDEP UST (as of April 2016)

Fac ID:	136850	**Region:**	1
UST ID:	182	**Region Desc:**	Western Region - Springfield
Root ID:	175390	**Point X:**	0.0
Ro Acct:	0	**Point Y:**	0.0

DEP Location Documentation (as of April 2016)

Automation Date:	01-Dec-2006	**Location Type:**	Center of a facility
Primary Loc Dt:		**Location Method:**	Interpolation - Photo
Secondary Loc Dt:		**Point X:**	0.0
Tertiary Loc Dt:		**Point Y:**	0.0

Location Base Map:	Digital orthophoto base map (DOQ)
Location Accuracy Estimate:	Estimated horizontal accuracy is +/-16 - +/-100 feet
Primary Location Source:	MassGIS 1:5,000 digital orthophotography
Secondary Location Source:	Pictometry Community Oblique
Tertiary Location Source:	Website Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	2 of 11	SW	0.06 / 332.28	176.30 / 4	TEXACO STATION 35 BELCHERTOWN ROAD AMHERST MA	HIS SPILLS

Spill ID:	W92-0039	**Repo Units Spilled:**	GALLONS
Site ID:	1-0377	**Act. Qty Spilled:**	UNKNOWN
Case Closed:	YES	**Act. Units Spilled:**	GALLONS
LUST:	YES	**Spill Date:**	1/30/1992
Incident:	OTHER RELEASE >	**Spill Time:**	
Other Incident:	STM W/O APPROV	**Rport Date:**	1/30/1992
Source:	OTHER SOURCE >	**Rport Time:**	11:15AM
Other Source:	STATION OPERATI	**Notifier:**	PAUL LALONDE- AMHERST FIRE
Petro/Hazardous:	PETROLEUM	**Notifier Phone:**	
Virgin/Waste:	VIRGIN	**First IR Form:**	1/30/1992
Material:	GASOLINE	**Staff Lead:**	FISH, B
Other Material:		**Category:**	
Enviro Impact:	SOIL	**Days For Case:**	236
Other Env. Impact:		**Report pre by:**	
Contaminated Soil:		**Contractor:**	NOT USED
PCB Ranges:	NONE	**Referral Divisions:**	SA

Reported Qty Spilled:	UNKNOWN
CAS NO for Haz Waste:	
SPL Info. 1st Entered:	8/10/1994
SPL Info. Last Entered:	8/10/1994

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	3 of 11	SW	0.06 / 332.28	176.30 / 4	35 BELCHERTOWN RD AMHERST MA	HIS SPILLS

Spill ID:	W89-0456	**Repo Units Spilled:**	GALLONS
Site ID:	0000	**Act. Qty Spilled:**	UNKNOWN
Case Closed:	YES	**Act. Units Spilled:**	GALLONS
LUST:	NO	**Spill Date:**	
Incident:	----------	**Spill Time:**	
Other Incident:		**Rport Date:**	
Source:	DRUM	**Rport Time:**	10:15AM
Other Source:		**Notifier:**	L YETTER
Petro/Hazardous:	PETROLEUM	**Notifier Phone:**	
Virgin/Waste:	VIRGIN	**First IR Form:**	
Material:	GASOLINE	**Staff Lead:**	GIDDINGS, P
Other Material:		**Category:**	
Enviro Impact:		**Days For Case:**	1
Other Env. Impact:		**Report pre by:**	
Contaminated Soil:		**Contractor:**	NOT USED
PCB Ranges:	NONE	**Referral Divisions:**	NO
Reported Qty Spilled:	UNKNOWN		
CAS NO for Haz Waste:			
SPL Info. 1st Entered:			
SPL Info. Last Entered:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	4 of 11	SW	0.06 / 332.28	176.30 / 4	TEXACO STATION 35 BELCHERTOWN RD AMHERST MA	HIST LUST

Spill ID:	W87-0441	**Repo Units Spilled:**	_____
Site ID:	1-0377	**Act. Qty Spilled:**	NONE
Case Closed:	YES	**Act. Units Spilled:**	_____
LUST:		**Spill Date:**	7/21/1987
Incident:	LEAK	**Spill Time:**	
Other Incident:		**Rport Date:**	7/31/1987
Source:	U.S.T.	**Rport Time:**	:
Other Source:		**Notifier:**	
Petro/Hazardous:	PETROLEUM	**Notifier Phone:**	
Virgin/Waste:	VIRGIN	**First IR Form:**	7/31/1987
Material:	GASOLINE	**Staff Lead:**	SLOWICK, D
Other Material:		**Category:**	
Enviro Impact:	SOIL	**Days For Case:**	850
Other Env. Impact:		**Report pre by:**	
Contaminated Soil:		**Contractor:**	NOT USED
PCB Ranges:		**Referral Divisions:**	SA
Reported Qty Spilled:	NONE		
CAS # for Haz Waste:			
SPL Info. 1st Entered:	9/16/1987		
SPL Info. Last Entered:	8/10/1994		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	5 of 11	SW	0.06 / 332.28	176.30 / 4	TEXACO 35 BELCHERTOWN RD AMHERST MA	LUST

RTN:	1-0000377	**Phase:**	
Compliance Status:	RAO	**Location Type(s):**	GASSTATION
Compl Status Desc:	Response Action Outcome	**Site Name (BWSC):**	TEXACO
Compliance Date:	02/18/1998	**Address (BWSC):**	35 BELCHERTOWN RD
Notification Date:	08/19/1987	**Town (BWSC):**	AMHERST
RAO Class:	A2	**Zip Code (BWSC):**	01002
Chemical Type:		**OFC Town (BWSC):**	AMHERST
Reporting Category:	NONE	**Source(s):**	UST
Site Name (EEA Data Portal):	TEXACO		

Release Add (EEA Data Portal): 35 BELCHERTOWN RD
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000377
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000377
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID: ***Category:*** NONE
Current Status: RAO ***Phase:***
Current Status Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 18-Feb-1998 ***OHM:***
OFC Notification: 19-Aug-1987
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: UNKNOWN
Amount:
Units:

Action Information

Status: NON ***Action:*** C&E
Date: 13-Feb-1992
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TCTRNS ***Action:*** REL
Date: 19-Aug-1987
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 19-Aug-1987
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: WAVACC ***Action:*** TREGS
Date: 26-Feb-1993
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NAFNVD ***Action:*** AUDCOM
Date: 10-Aug-1990
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: WAVREC ***Action:*** TREGS
Date: 30-Nov-1992
Action Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: WAVSIG **Action:** TREGS
Date: 19-Feb-1993
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 18-Feb-1998
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	6 of 11	SW	0.06 / 332.28	176.30 / 4	NO LOCATION AID 35 BELCHERTOWN RD/15 RESEARCH DR AMHERST MA	RELEASE

RTN: 1-0017664 **Phase:**
Compliance Date: 02/09/2010 **RAO Class:** A1
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** COMMERCIAL
Notification Date: 11/20/2009 **Site Name (BWSC):** NO LOCATION AID
Source: VEHICLE **Address (BWSC):** 35 BELCHERTOWN RD/15 RESEARCH DR
Reporting Category: TWO HR **Town (BWSC):** AMHERST
Site (EEA Data): NO LOCATION AID **Zip Code (BWSC):**
Rel Add(EEA Data): 35 BELCHERTOWN RD/15 RESEARCH DR **OFC Town (BWSC):** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0017664
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0017664
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: DIESEL FUEL
Amount: 6.5
Units: GAL

Action Information (BWSC)

Status: FOLOFF **Action:** RLFA
Date: 25-Jan-2010
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TSAUD **Action:** RAO
Date: 29-Apr-2010
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: CSRCVD **Action:** IRA

Date: 22-Jan-2010
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: CSRCVD **Action:** IRA
Date: 09-Feb-2010
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDD1A **Action:** RLFA
Date: 20-Nov-2009
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD **Action:** RAO
Date: 09-Feb-2010
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD **Action:** RAO-P
Date: 22-Jan-2010
Action Description: Partial RAO for this RTN
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF **Action:** RLFA
Date: 29-Apr-2010
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** RNF
Date: 14-Dec-2009
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** REL
Date: 20-Nov-2009
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED **Action:** NOR
Date: 24-Nov-2009
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release

has been eliminated.

Release (BWSC) Detail

Prim ID:		***Category:***	TWO HR
Current Status:	RAO	***Phase:***	
Current St Desc:	Response Action Outcome	***RAO Class:***	A1
Current Date:	09-Feb-2010	***OHM:***	Oil
OFC Notification:	20-Nov-2009		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.		
Other Rela:			

9	*7 of 11*	*SW*	*0.06 / 332.28*	*176.30 / 4*	***TEXACO SERVICE STA 35 BELCHERTOWN RD AMHERST MA 01002***	***RCRA NON GEN***

EPA Handler ID:	MAD087450714
Gen Status Universe:	No Report
Contact Name:	J-F LOVE
Contact Address:	303 FELLOWSHIP RD CS-18 , , MOORESTOWN , NJ, 08057 , US
Contact Phone No and Ext:	609-866-3233
Contact Email:	
Contact Country:	US
County Name:	HAMPSHIRE
EPA Region:	01
Land Type:	Private
Receive Date:	19860421
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Aug 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19860421
Handler Name:	TEXACO SERVICE STA
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	303 FELLOWSHIP RD CS-18
Name:	TEXACO SERVICE STA	***Street 2:***	
Date Became Current:	19911208	***City:***	MOORESTOWN
Date Ended Current:		***State:***	NJ
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	08057

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	303 FELLOWSHIP RD CS-18
Name:	STAR ENTERPRISES	***Street 2:***	
Date Became Current:	20041016	***City:***	MOORESTOWN
Date Ended Current:		***State:***	NJ
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	08057

9	8 of 11	SW	0.06 / 332.28	176.30 / 4	TEXACO 35 BELCHERTOWN RD AMHERST MA 1002	LST

Site No:	1-0000377	***Initial Status Dt:***	2/26/1998
Source:	UST	***Official Notifi Dt:***	8/19/1987
Release Type:	RAO	***Current Date:***	2/18/1998
Chemical Type:		***ROA Class:***	A2
Category:	NONE	***Phase:***	

ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Phase Desc:

Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000377
Location Type: GASSTATION

Chemicals Information

Chemical: UNKNOWN
Amount:
Units:

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 08/19/1987
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 02/18/1998
RAO Class: A2

RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation: NONE

RAO Detail

Class: A2
Method: 3
GW Category: 2
Soil Category: 3
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

9	9 of 11	SW	0.06 / 332.28	176.30 / 4	TEXACO 35 BELCHERTOWN RD AMHERST MA 01002	SPILLS

RTN: 1-0000377
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 2/18/1998
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background
Chemical Type:
Release Type: RAO
Location Type: GASSTATION
Category: NONE
Initial Status Date: 2/26/1998
Notification Date: 8/19/1987
Source: UST
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000377
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: RAO
Status: RAORCD
RAO Class: A2
Date: 2/18/1998
Status Description: RAO Statement Received (retired)

Action: TREGS
Status: WAVACC
RAO Class: A2
Date: 2/26/1993
Status Description: WAVACC

Action: TREGS
Status: WAVSIG
RAO Class: A2
Date: 2/19/1993
Status Description: WAVSIG

Action: REL
Status: TCTRNS
RAO Class: A2
Date: 8/19/1987
Status Description: Valid Transition Site (Retired)

Action: C&E

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: NON
RAO Class: A2
Date: 2/13/1992
Status Description: NON

Action: AUDCOM
Status: NAFNVD
RAO Class: A2
Date: 8/10/1990
Status Description: NAFNVD

Action: TREGS
Status: WAVREC
RAO Class: A2
Date: 11/30/1992
Status Description: WAVREC

Action: NOR
Status: ISSUED
RAO Class: A2
Date: 8/19/1987
Status Description: Correspondence Issued

Chemical Information

Chemical: UNKNOWN
Amount:
Unit:

Response Action Information

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 08/19/1987
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 02/18/1998
RAO Class: A2
Activity Use Limitation: NONE

RAO Information

Class: A2
Method: 3
GW Category: 2
Soil Category: 3

Location Information

Location: GASSTATION

Source Information

Source: UST

9	10 of 11	SW	0.06 / 332.28	176.30 / 4	NO LOCATION AID 35 BELCHERTOWN RD/15 RESEARCH DR AMHERST MA	SPILLS

RTN: 1-0017664
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 2/9/2010
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated
Chemical Type:
Release Type: RAO
Location Type: COMMERCIAL
Category: TWO HR
Initial Status Date: 11/20/2010
Notification Date: 11/20/2009
Source: VEHICLE
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0017664
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: NOR
Status: ISSUED
RAO Class: A1
Date: 11/24/2009
Status Description: Correspondence Issued

Action: RAO-P
Status: RAORCD
RAO Class: A1
Date: 1/22/2010
Status Description: RAO Statement Received (retired)

Action: IRA
Status: CSRCVD
RAO Class: A1
Date: 2/9/2010
Status Description: Completion Statement Received

Action: RAO
Status: RAORCD
RAO Class: A1
Date: 2/9/2010
Status Description: RAO Statement Received (retired)

Action: RNF
Status: REPORT
RAO Class: A1
Date: 12/14/2009
Status Description: Reportable Release under MGL 21E

Action: RLFA
Status: FOLOFF
RAO Class: A1
Date: 1/25/2010
Status Description: Follow-up Office Response

Action: REL
Status: REPORT
RAO Class: A1
Date: 11/20/2009
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: CSRCVD
RAO Class: A1
Date: 1/22/2010
Status Description: Completion Statement Received

Action: RAO
Status: TSAUD
RAO Class: A1
Date: 4/29/2010
Status Description: Level I - Technical Screen Audit

Action: RLFA
Status: FOLOFF
RAO Class: A1
Date: 4/29/2010
Status Description: Follow-up Office Response

Action: RLFA
Status: FLDD1A
RAO Class: A1
Date: 11/20/2009
Status Description: Initial Compliance Field Response - Announced

Chemical Information

Chemical: DIESEL FUEL
Amount: 6.5
Unit: GAL

LSP Information

LSP: N/A
Name: WITTEN, LYONS

Response Action Information

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 02/09/2010
RAO Class:
Activity Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/14/2009
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 04/29/2010
RAO Class: A1
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 11/20/2009
RAO Class:
Activity Use Limitation:

Response Action Type: RAO-P Partial RAO for this RTN
Status: RAORCD RAO Statement Received
Submittal Date: 01/22/2010
RAO Class: A1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Activity Use Limitation:

RAO Information

Class: A1
Method: 1
GW Category: N
Soil Category: 1

Class: A1
Method: 1
GW Category: N
Soil Category: 2

Location Information

Location: COMMERCIAL

Source Information

Source: VEHICLE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	11 of 11	SW	0.06 / 332.28	176.30 / 4	TEXACO 35 BELCHERTOWN RD AMHERST MA	RELEASE

RTN: 1-0000377
Compliance Date: 02/18/1998
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 08/19/1987
Source: UST
Reporting Category: NONE
Site (EEA Data): TEXACO
Rel Add(EEA Data): 35 BELCHERTOWN RD
Town (EEA Data): AMHERST
Phase:
RAO Class: A2
Chemical Type:
Location Type: GASSTATION
Site Name (BWSC): TEXACO
Address (BWSC): 35 BELCHERTOWN RD
Town (BWSC): AMHERST
Zip Code (BWSC): 01002
OFC Town (BWSC): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000377
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000377
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: WAVACC
Date: 26-Feb-1993
Action: TREGS
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NON
Date: 13-Feb-1992
Action: C&E
Action Description:
Status Description:

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: WAVREC **Action:** TREGS
Date: 30-Nov-1992
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: WAVSIG **Action:** TREGS
Date: 19-Feb-1993
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 19-Aug-1987
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 18-Feb-1998
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TCTRNS **Action:** REL
Date: 19-Aug-1987
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NAFNVD **Action:** AUDCOM
Date: 10-Aug-1990
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: **Category:** NONE
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 18-Feb-1998 **OHM:**
OFC Notification: 19-Aug-1987
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of 11	SW	0.07 / 355.00	173.93 / 1	SUNOCO GASOLINE STATION 134 40 BELCHERTOWN RD AMHERST MA	UST

Facility ID: 194 **Facility Contact:** Michael V Behn
Owner ID: 86 **Facility Phone:**
Facility Status: CLOSED **Fac Name (Web):** SUNOCO GASOLINE STATION 134
Facility Type: Retail Motor Vehicle Fuel Dispensing **Fac Address (Web):** 40 BELCHERTOWN RD
Facility Name: SUNOCO GASOLINE STATION 134 **Fac City (Web):** AMHERST
Fac Addr 1: 40 BELCHERTOWN RD **Facility ZIP(Web):** 01002
Facility Address 2: **Fac Status (Web):** CLOSED

Facility City:	AMHERST	**Fac Name (Map):**	SANDRI INC
Fac Zip:	01002	**Address (Map):**	40 BELCHERTOWN RD
Facility Lat:	42.37248	**City (Map):**	AMHERST
Facility Long:	-72.49925		

Source: UST facility data from the MassDEP UST Program (FOIA request); Closed Facilities from the searchable UST database made available by the MassDEP UST Program; MassDEP Underground Storage Tanks datalayer with the Point Development Tool (PDT) dated April 2016

Facility Information Details

Contact Addr 1:	400 Chapman St.	**Contact Phone:**	4132231200
Contact Addr 2:		**Contact Email:**	mbehn@sandri.com
Contact City:	Greenfield	**Update Date:**	4/1/2021
Contact State:	MA	**Update By:**	Michael V Behn
Contact ZIP:	01301-1736		

Searchable UST Facility Details

Last Inspection Dt:	5/31/2018	**Owner Name:**	A R SANDRI INC
Next Insp Due Date:		**Owner Contact Name:**	Michael V Behn
Last Cert Compl Dt:	2/8/2016	**Operator Name:**	A R SANDRI INC
Next Cert Compl Due:		**Oper Contact Name:**	Michael V Behn

Owner Infomation

Owner Name:	A R SANDRI INC	**Contact Name:**	Michael V Behn
Owner Addr 1:	400 CHAPMAN ST	**Contact Addr 1:**	400 Chapman St.
Owner Addr 2:		**Contact Addr 2:**	
Owner City Town:	GREENFIELD	**Contact City Town:**	Greenfield
Owner State:	MA	**Contact State:**	MA
Owner ZIP:	01301	**Contact ZIP:**	01301-1736
Orginization Type:	Private	**Contact Phone:**	4132231200
FR Type:		**Contact E Mail:**	mbehn@sandri.com

Business: Corporation or non-profit corporation

Tanks Information

Tank ID:	3	**Submersible Sump:**	NO
Install Date:	5/1/1972	**Submer Sump Instl:**	
Status:	Tank Removed	**Turbine Sump:**	NO
Status Date:	8/23/1991	**Turb Sump Sensor:**	NO
Use Type:		**Intermediate Sump:**	NO
Content:	Gasoline	**Interm Sump Sensor:**	NO
Capacity:	6000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:	Annual Automatic Line Leak Detection Test		
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:			
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	4	**Submersible Sump:**	NO
Install Date:	5/1/1972	**Submer Sump Instl:**	
Status:	Tank Removed	**Turbine Sump:**	NO
Status Date:	8/23/1991	**Turb Sump Sensor:**	NO
Use Type:		**Intermediate Sump:**	NO
Content:	Gasoline	**Interm Sump Sensor:**	NO

Capacity:	6000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:	Annual Automatic Line Leak Detection Test		
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:			
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	7	**Submersible Sump:**	YES
Install Date:	7/1/1991	**Submer Sump Instl:**	01-Jul-1991
Status:	Tank Removed	**Turbine Sump:**	YES
Status Date:	5/18/2020	**Turb Sump Sensor:**	YES
Use Type:	Motor Vehicle	**Intermediate Sump:**	YES
Content:	Gasoline	**Interm Sump Sensor:**	YES
Capacity:	8000	**Spl Buck Installed:**	7/1/1991
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	7/1/1991
Longitude:		**Overfill Prot Type:**	Automatic shut-off valve
Auto Line Lk Dtect:	7/1/1991		
Pipe Install Date:	7/1/1991		
Pipe Type:	Pressurized piping system with mechanical automatic line leak detection		
Pipe Construct:	Double-walled non-corrodible material (No corrosion protection required)		
Pipe Leak Detect:	Continuous Interstitial Space Monitoring		
Pipe Leak Install:	7/1/1991		
Tank Construct:	Double-walled metal tank (cathodic protection required)		
Tank Leak Detect:	Continuous Interstitial Monitoring		
Tank Corrosion Type:	Manufactured Sacrificial Anode (Galvanic) System		
Leak Corrosion Type:			

Tank ID:	8	**Submersible Sump:**	NO
Install Date:		**Submer Sump Instl:**	
Status:	Tank Removed	**Turbine Sump:**	NO
Status Date:	12/11/2007	**Turb Sump Sensor:**	NO
Use Type:		**Intermediate Sump:**	NO
Content:	Waste Oil	**Interm Sump Sensor:**	NO
Capacity:	1000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:			
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	2	**Submersible Sump:**	NO
Install Date:	5/1/1972	**Submer Sump Instl:**	
Status:	Tank Removed	**Turbine Sump:**	NO
Status Date:	8/1/1991	**Turb Sump Sensor:**	NO
Use Type:		**Intermediate Sump:**	NO
Content:	Gasoline	**Interm Sump Sensor:**	NO
Capacity:	6000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			

Pipe Type:
Pipe Construct:
Pipe Leak Detect: Annual Automatic Line Leak Detection Test
Pipe Leak Install:
Tank Construct:
Tank Leak Detect:
Tank Corrosion Type:
Leak Corrosion Type:

Tank ID: 6
Install Date: 7/1/1991
Status: Tank Removed
Status Date: 5/18/2020
Use Type: Motor Vehicle
Content: Gasoline
Capacity: 8000
No of Compartment:
Latitude:
Longitude:
Auto Line Lk Dtect: 7/1/1991
Submersible Sump: YES
Submer Sump Instl: 01-Jul-1991
Turbine Sump: YES
Turb Sump Sensor: YES
Intermediate Sump: YES
Interm Sump Sensor: YES
Spl Buck Installed: 7/1/1991
Spill Bucket Sens: NO
Overf Prot Instled: 7/1/1991
Overfill Prot Type: Automatic shut-off valve
Pipe Install Date: 7/1/1991
Pipe Type: Pressurized piping system with mechanical automatic line leak detection
Pipe Construct: Double-walled non-corrodible material (No corrosion protection required)
Pipe Leak Detect: Continuous Interstitial Space Monitoring
Pipe Leak Install: 7/1/1991
Tank Construct: Double-walled metal tank (cathodic protection required)
Tank Leak Detect: Continuous Interstitial Monitoring
Tank Corrosion Type: Manufactured Sacrificial Anode (Galvanic) System
Leak Corrosion Type:

Tank ID: 1
Install Date: 5/1/1972
Status: Tank Removed
Status Date: 8/23/1991
Use Type:
Content: Waste Oil
Capacity: 1000
No of Compartment:
Latitude:
Longitude:
Auto Line Lk Dtect:
Submersible Sump: NO
Submer Sump Instl:
Turbine Sump: NO
Turb Sump Sensor: NO
Intermediate Sump: NO
Interm Sump Sensor: NO
Spl Buck Installed:
Spill Bucket Sens: NO
Overf Prot Instled:
Overfill Prot Type:
Pipe Install Date:
Pipe Type:
Pipe Construct:
Pipe Leak Detect:
Pipe Leak Install:
Tank Construct:
Tank Leak Detect:
Tank Corrosion Type:
Leak Corrosion Type:

Tank ID: 5
Install Date: 7/1/1991
Status: Tank Removed
Status Date: 5/18/2020
Use Type: Motor Vehicle
Content: Gasoline
Capacity: 8000
No of Compartment:
Latitude:
Longitude:
Auto Line Lk Dtect: 7/1/1991
Submersible Sump: YES
Submer Sump Instl: 01-Jul-1991
Turbine Sump: YES
Turb Sump Sensor: NO
Intermediate Sump: NO
Interm Sump Sensor: NO
Spl Buck Installed: 7/1/1991
Spill Bucket Sens: NO
Overf Prot Instled: 7/1/1991
Overfill Prot Type: Automatic shut-off valve
Pipe Install Date: 7/1/1991
Pipe Type: Pressurized piping system with mechanical automatic line leak detection
Pipe Construct: Double-walled non-corrodible material (No corrosion protection required)
Pipe Leak Detect: Continuous Interstitial Space Monitoring
Pipe Leak Install: 7/1/1991
Tank Construct: Double-walled metal tank (cathodic protection required)
Tank Leak Detect: Continuous Interstitial Monitoring

Tank Corrosion Type: Manufactured Sacrificial Anode (Galvanic) System
Leak Corrosion Type:

MassGIS Data : MassDEP UST (as of April 2016)

Fac ID:	135860	***Region:***	1
UST ID:	194	***Region Desc:***	Western Region - Springfield
Root ID:	174409	***Point X:***	0.0
Ro Acct:	0	***Point Y:***	0.0

DEP Location Documentation (as of April 2016)

Automation Date:	01-Dec-2006	***Location Type:***	Center of a facility
Primary Loc Dt:		***Location Method:***	Interpolation - Photo
Secondary Loc Dt:		***Point X:***	0.0
Tertiary Loc Dt:		***Point Y:***	0.0

Location Base Map: Digital orthophoto base map (DOQ)
Location Accuracy Estimate: Estimated horizontal accuracy is +/-16 - +/-100 feet
Primary Location Source: MassGIS 1:5,000 digital orthophotography
Secondary Location Source: Pictometry Community Oblique
Tertiary Location Source:

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10 | ***2 of 11*** | ***SW*** | ***0.07 / 355.00*** | ***173.93 / 1*** | ***SUNOCO INC***
40 BELCHERTOWN RD
AMHERST MA | ***LUST***

RTN:	1-0016863	***Phase:***	
Compliance Status:	RAO	***Location Type(s):***	COMMERCIAL
Compl Status Desc:	Response Action Outcome	***Site Name (BWSC):***	SUNOCO INC
Compliance Date:	12/18/2008	***Address (BWSC):***	40 BELCHERTOWN RD
Notification Date:	12/11/2007	***Town (BWSC):***	AMHERST
RAO Class:	A2	***Zip Code (BWSC):***	
Chemical Type:	Oil	***OFC Town (BWSC):***	AMHERST
Reporting Category:	72 HR	***Source(s):***	UST

Site Name (EEA Data Portal): SUNOCO INC
Release Add (EEA Data Portal): 40 BELCHERTOWN RD
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0016863
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0016863
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:		***Category:***	72 HR
Current Status:	RAO	***Phase:***	
Current Status Desc:	Response Action Outcome	***RAO Class:***	A2
Current Date:	18-Dec-2008	***OHM:***	Oil
OFC Notification:	11-Dec-2007		

Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: GASOLINE
Amount: 355
Units: PPM

Chemical: WASTE OIL
Amount: 355

Units: PPM

Action Information

Status: PLANWR ***Action:*** IRA
Date: 14-Feb-2008
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 18-Dec-2008
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: IHEVAL ***Action:*** IRA
Date: 14-Feb-2008
Action Description: Immediate Response Action
Status Description: Imminent Hazard Evaluation Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 11-Dec-2007
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***Action:*** IRA
Date: 11-Dec-2007
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 12-Dec-2007
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***Action:*** RAO
Date: 22-Dec-2008
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***Action:*** RNFE
Date: 24-Jan-2008
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 14-Feb-2008
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 02-Mar-2009
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

10	3 of 11	SW	0.07 / 355.00	173.93 / 1	SUNOCO SERVICE STA 40 BELCHERTOWN RD AMHERST MA 01002	RCRA NON GEN

EPA Handler ID: MAD000637827
Gen Status Universe: No Report
Contact Name: ROBERT LAUBINGER
Contact Address: 40 BELCHERTOWN RD , , AMHERST , MA, 01002 , US
Contact Phone No and Ext: 617-875-1371
Contact Email:
Contact Country: US
County Name: HAMPSHIRE
EPA Region: 01
Land Type: Private
Receive Date: 19800818
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Aug 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800818
Handler Name: SUNOCO SERVICE STA
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: SUN OIL CO OF PENNSYLVANIA
Date Became Current: 20041016
Date Ended Current:
Street No:
Street 1: 40 BELCHERTOWN RD
Street 2:
City: AMHERST
State: MA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone: **Country:** US
Source Type: Notification **Zip Code:** 01002

10	4 of 11	SW	0.07 / 355.00	173.93 / 1	BARNEYS ENTERPRISES INC 40 BELCHERTOWN RD AMHERST MA 01002	RCRA NON GEN

EPA Handler ID: MAD985279330
Gen Status Universe: No Report
Contact Name: RICHARD BARNES
Contact Address: PO BOX 760 , , GREENFIELD , MA, 01302 , US
Contact Phone No and Ext: 413-772-2121
Contact Email:
Contact Country: US
County Name: HAMPSHIRE
EPA Region: 01
Land Type: Private
Receive Date: 19900510
Location Latitude: 42.372216
Location Longitude: -72.499523

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Aug, 2021.

Violation Details

Found Violation: Yes
Citation: SR - 221(1)
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19950217
Scheduled Compliance Date: 19950327
Return to Compliance: Not Resolvable
Actual Return to Compl: 20000217
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950313
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 340(1)(k)
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19950217
Scheduled Compliance Date: 19950327
Return to Compliance: Not Resolvable
Actual Return to Compl: 20000217
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950313
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 19950217
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20000217
Evaluation Agency: State

Evaluation Start Date: 19950217
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20000217
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900510
Handler Name: BARNEYS ENTERPRISES INC
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: BARNEYS ENTERPRISES INC
Street No:
Street 1: PO BOX 760
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current:	19950217	**City:**	GREENFIELD
Date Ended Current:		**State:**	MA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	01302
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 760
Name:	A R SANDRI INC	**Street 2:**	
Date Became Current:	20041016	**City:**	GREENFIELD
Date Ended Current:		**State:**	MA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	01302

10	5 of 11	SW	0.07 / 355.00	173.93 / 1	BELCHERTOWN ROAD SUNOCO 40 BELCHERTOWN RD AMHERST MA 01002	RCRA NON GEN

EPA Handler ID:	MAD139378038
Gen Status Universe:	No Report
Contact Name:	MAXWELL SCOON
Contact Address:	40 BELCHERTOWN RD , , AMHERST , MA, 01002 , US
Contact Phone No and Ext:	413-253-9394
Contact Email:	
Contact Country:	US
County Name:	HAMPSHIRE
EPA Region:	01
Land Type:	Private
Receive Date:	19870112
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Aug 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19870112
Handler Name:	BELCHERTOWN ROAD SUNOCO
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	40 BELCHERTOWN RD
Name:	MAXWELL SCOON	***Street 2:***	
Date Became Current:	20041016	***City:***	AMHERST
Date Ended Current:		***State:***	MA
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	01002

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	40 BELCHERTOWN RD
Name:	BELCHERTOWN ROAD SUNOCO	***Street 2:***	
Date Became Current:	19900301	***City:***	AMHERST
Date Ended Current:	19910603	***State:***	MA
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	01002

10	*6 of 11*	*SW*	*0.07 / 355.00*	*173.93 / 1*	***SUNOCO INC 40 BELCHERTOWN RD AMHERST MA***	***LST***

Site No:	1-0016863	***Initial Status Dt:***	12/11/2008
Source:	UST	***Official Notifi Dt:***	12/11/2007
Release Type:	RAO	***Current Date:***	12/18/2008
Chemical Type:	Oil	***ROA Class:***	A2
Category:	72 HR	***Phase:***	

ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Phase Desc:

Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

Status Desc: Response Action Outcome

Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0016863

Location Type: COMMERCIAL

Chemicals Information

Chemical: WASTE OIL
Amount: 355
Units: PPM

Chemical: GASOLINE
Amount: 355
Units: PPM

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/11/2007
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 03/02/2009
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Submittal Date: 02/14/2008
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: 4014
LSP Name: BRANCO, DOLORES M

RAO Detail

Class: A2
Method: 2
GW Category: 2
Soil Category: 2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

10	7 of 11	SW	0.07 / 355.00	173.93 / 1	SUNOCO INC 40 BELCHERTOWN RD AMHERST MA	SPILLS

RTN: 1-0016863
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 12/18/2008
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background
Chemical Type:
Release Type: RAO
Location Type: COMMERCIAL
Category: 72 HR
Initial Status Date: 12/11/2008
Notification Date: 12/11/2007
Source: UST
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0016863
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: RNFE
Status: RECPT
RAO Class: A2
Date: 1/24/2008
Status Description: Transmittal, Notice, or Notification Received

Action: REL
Status: REPORT
RAO Class: A2
Date: 12/11/2007
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: APORAL
RAO Class: A2
Date: 12/11/2007
Status Description: Oral Approval of Plan or Action

Action: IRA
Status: IHEVAL
RAO Class: A2
Date: 2/14/2008
Status Description: Imminent Hazard Evaluation Received

Action: RAO
Status: FEEREC
RAO Class: A2
Date: 12/22/2008
Status Description: Fee Received

Action: NOR
Status: ISSUED
RAO Class: A2
Date: 12/12/2007
Status Description: Correspondence Issued

Action: IRA
Status: CSRCVD
RAO Class: A2
Date: 2/14/2008
Status Description: Completion Statement Received

Action: RAO
Status: TSAUD
RAO Class: A2
Date: 3/2/2009
Status Description: Level I - Technical Screen Audit

Action: RAO
Status: RAORCD
RAO Class: A2
Date: 12/18/2008
Status Description: RAO Statement Received (retired)

Action: IRA
Status: PLANWR
RAO Class: A2
Date: 2/14/2008
Status Description: Written Plan Received

Chemical Information

Chemical: GASOLINE
Amount: 355
Unit: PPM

Chemical: WASTE OIL
Amount: 355
Unit: PPM

LSP Information

LSP: 4014
Name: BRANCO, DOLORES M

Response Action Information

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 03/02/2009
RAO Class: A2
Activity Use Limitation:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 02/14/2008
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/11/2007
RAO Class:
Activity Use Limitation:

RAO Information

Class: A2
Method: 2
GW Category: 2
Soil Category: 2

Location Information

Location: COMMERCIAL

Source Information

Source: UST

10	8 of 11	SW	0.07 / 355.00	173.93 / 1	SUNOCO INC 40 BELCHERTOWN RD AMHERST MA	RELEASE

RTN: 1-0016863
Compliance Date: 12/18/2008
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 12/11/2007
Source: UST
Reporting Category: 72 HR
Site (EEA Data): SUNOCO INC
Rel Add(EEA Data): 40 BELCHERTOWN RD
Town (EEA Data): AMHERST
Phase Desc:
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: COMMERCIAL
Site Name (BWSC): SUNOCO INC
Address (BWSC): 40 BELCHERTOWN RD
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0016863
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0016863
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 355
Units: PPM

Chemical: WASTE OIL
Amount: 355
Units: PPM

Action Information (BWSC)

Status: CSRCVD
Date: 14-Feb-2008
Action: IRA

Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 12-Dec-2007
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 18-Dec-2008
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC **Action:** RAO
Date: 22-Dec-2008
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 11-Dec-2007
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 11-Dec-2007
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 14-Feb-2008
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 02-Mar-2009
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** RNFE
Date: 24-Jan-2008
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: IHEVAL **Action:** IRA
Date: 14-Feb-2008
Action Description: Immediate Response Action
Status Description: Imminent Hazard Evaluation Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release (BWSC) Detail

Prim ID:		***Category:***	72 HR
Current Status:	RAO	***Phase:***	
Current St Desc:	Response Action Outcome	***RAO Class:***	A2
Current Date:	18-Dec-2008	***OHM:***	Oil
OFC Notification:	11-Dec-2007		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Other Rela:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	*9 of 11*	*SW*	*0.07 / 355.00*	*173.93 / 1*	***BARNEYS ENTERPRISES INC*** ***40 BELCHERTOWN RD*** ***AMHERST MA 01002***	***GEN***

EPA ID No:	MAD985279330
2nd Name:	
Phone:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	*10 of 11*	*SW*	*0.07 / 355.00*	*173.93 / 1*	***N/A*** ***40 BELCHERTOWN ROAD*** ***AMHERST MA***	***RELEASE***

RTN:	1-0021093	***Phase:***	PHASE II
Compliance Date:	05/21/2021	***RAO Class:***	
Compliance Status:	TIER 2	***Chemical Type:***	
Compl Status Desc:	Tier 2	***Location Type:***	COMMERCIAL
Notification Date:	05/18/2020	***Site Name (BWSC):***	N/A
Source:	TANK, UST, USTOTHER	***Address (BWSC):***	40 BELCHERTOWN ROAD
Reporting Category:	72 HR	***Town (BWSC):***	AMHERST
Site (EEA Data):	N/A	***Zip Code (BWSC):***	
Rel Add(EEA Data):	40 BELCHERTOWN ROAD	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:	Comprehensive Site Assessment		
RAO Class Desc:			
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0021093		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0021093		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Action Information (BWSC)

Status:	NON	***Action:***	C&E
Date:	01-Dec-2020		
Action Description:			
Status Description:			
RAO Class:			
RAO Class Desc:			

Status:	ISSUED	***Action:***	NOR
Date:	22-May-2020		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		
RAO Class:			
RAO Class Desc:			

Status:	TIERII	***Action:***	TCLASS
Date:	21-May-2021		
Action Description:	Tier Classification		
Status Description:	Tier 2 Classification		
RAO Class:			
RAO Class Desc:			

Status:	STRCVD	***Action:***	IRA
Date:	02-Dec-2020		

Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: RECPT **Action:** BOL
Date: 03-Jun-2020
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: PLANWR **Action:** IRA
Date: 07-Jul-2020
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: FLDD1U **Action:** RLFA
Date: 20-May-2020
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: CSRCVD **Action:** IRA
Date: 28-Apr-2021
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: SOW **Action:** PHASII
Date: 19-Jul-2021
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class:
RAO Class Desc:

Status: SHPFAC **Action:** BOL
Date: 25-Jun-2020
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: APORAL **Action:** IRA
Date: 18-May-2020
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: CSRCVD **Action:** IRA
Date: 27-Apr-2021
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: IHEVAL **Action:** IRA
Date: 07-Jul-2020
Action Description: Immediate Response Action
Status Description: Imminent Hazard Evaluation Received
RAO Class:
RAO Class Desc:

Status: CSRCVD **Action:** PHASEI

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 21-May-2021
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: REPORT **Action:** REL
Date: 18-May-2020
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: RECPT **Action:** TCLASS
Date: 21-May-2021
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: RECPT **Action:** RNFE
Date: 02-Jun-2020
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: TIERII **Phase:** PHASE II
Current St Desc: Tier 2 Classification **RAO Class:**
Current Date: 21-May-2021 **OHM:**
OFC Notification: 18-May-2020
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Other Rela:

10	11 of 11	SW	0.07 / 355.00	173.93 / 1	N/A 40 BELCHERTOWN ROAD AMHERST MA	LUST

RTN: 1-0021093 **Phase:** PHASE II
Compliance Status: TIER 2 **Location Type(s):** COMMERCIAL
Compl Status Desc: Tier 2 **Site Name (BWSC):** N/A
Compliance Date: 05/21/2021 **Address (BWSC):** 40 BELCHERTOWN ROAD
Notification Date: 05/18/2020 **Town (BWSC):** AMHERST
RAO Class: **Zip Code (BWSC):**
Chemical Type: **OFC Town (BWSC):** AMHERST
Reporting Category: 72 HR **Source(s):** TANK, UST, USTOTHER
Site Name (EEA Data Portal): N/A
Release Add (EEA Data Portal): 40 BELCHERTOWN ROAD
City/Town (EEA Data Portal): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0021093
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0021093
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: TIERII **Phase:** PHASE II
Current Status Desc: Tier 2 Classification **RAO Class:**
Current Date: 21-May-2021 **OHM:**

OFC Notification: 18-May-2020
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Other Rela:

Action Information

Status: IHEVAL ***Action:*** IRA
Date: 07-Jul-2020
Action Description: Immediate Response Action
Status Description: Imminent Hazard Evaluation Received
RAO Class:
RAO Class Desc:

Status: ISSUED ***Action:*** NOR
Date: 22-May-2020
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: FLDD1U ***Action:*** RLFA
Date: 20-May-2020
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: RECPT ***Action:*** TCLASS
Date: 21-May-2021
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: RECPT ***Action:*** BOL
Date: 03-Jun-2020
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: REPORT ***Action:*** REL
Date: 18-May-2020
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: APORAL ***Action:*** IRA
Date: 18-May-2020
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: CSRCVD ***Action:*** IRA
Date: 27-Apr-2021
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 02-Dec-2020
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc:

Status: RECPT **Action:** RNFE
Date: 02-Jun-2020
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: TIERII **Action:** TCLASS
Date: 21-May-2021
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:

Status: SHPFAC **Action:** BOL
Date: 25-Jun-2020
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: NON **Action:** C&E
Date: 01-Dec-2020
Action Description:
Status Description:
RAO Class:
RAO Class Desc:

Status: CSRCVD **Action:** IRA
Date: 28-Apr-2021
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: PLANWR **Action:** IRA
Date: 07-Jul-2020
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: CSRCVD **Action:** PHASEI
Date: 21-May-2021
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: SOW **Action:** PHASII
Date: 19-Jul-2021
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class:
RAO Class Desc:

11	1 of 2	WSW	0.08 / 414.52	178.98 / 6	NO LOCATION AID 360 COLLEGE ST AMHERST MA	RELEASE

RTN: 1-0017189
Compliance Date: 05/03/2016
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 10/20/2008
Source: UNKNOWN
Phase:
RAO Class: PN
Chemical Type: Hazardous Material
Location Type: COMMERCIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 360 COLLEGE ST

Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 360 COLLEGE ST
Town (EEA Data): AMHERST
Phase Desc:
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0017189
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0017189
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TETRACHLOROETHYLENE
Amount: 9.62
Units: UG/G

Action Information (BWSC)

Status: ASSESS
Date: 05-Mar-2010
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD
Date: 05-Aug-2011
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ABCRCD
Date: 01-May-2015
Action: PHASIV
Action Description: Phase 4
Status Description: As-Built Construction Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR
Date: 30-Oct-2012
Action: PHASIV
Action Description: Phase 4
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD
Date: 02-Nov-2011
Action: PHSIII
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD
Date: 29-Nov-2016
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD
Date: 05-Jan-2010
Action: TCLASS
Action Description: Tier Classification
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** PHASEV
Date: 03-May-2016
Action Description: Phase 5
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT **Action:** PHASEV
Date: 02-Nov-2015
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** PHASIV
Date: 01-May-2015
Action Description: Phase 4
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **Action:** PHASIV
Date: 01-May-2015
Action Description: Phase 4
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FOLOFF **Action:** RLFA
Date: 14-Apr-2010
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** RNF
Date: 20-Oct-2008
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NAFNVD **Action:** AUDCOM
Date: 08-Dec-2017
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APWRIT **Action:** IRA
Date: 05-Mar-2010
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** IRA
Date: 09-Jul-2010
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** IRA
Date: 11-Jul-2011
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN

RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***Action:*** IRA
Date: 05-May-2010
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***Action:*** PHASII
Date: 02-Nov-2011
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** PHASIV
Date: 01-May-2015
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** PHASIV
Date: 12-Dec-2014
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***Action:*** PHASIV
Date: 21-Jan-2015
Action Description: Phase 4
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: AUDMOU ***Action:*** RAO
Date: 08-Dec-2017
Action Description: Response Action Outcome -RAO
Status Description: Record an Audit Memorandum
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: INTLET ***Action:*** C&E
Date: 12-Oct-2011
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR ***Action:*** IRA
Date: 04-May-2010
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: WORKST ***Action:*** PHASEV
Date: 01-May-2015
Action Description: Phase 5
Status Description: Work Started
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD ***Action:*** RAO
Date: 03-May-2016
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions

RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 05-Mar-2010
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 20-Oct-2008
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FOLOFF **Action:** RLFA
Date: 22-Mar-2010
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: INTLET **Action:** C&E
Date: 10-Aug-2011
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** IRA
Date: 19-Jul-2012
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDRAN **Action:** RLFA
Date: 16-Nov-2017
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TIERII **Action:** TCLASS
Date: 26-Oct-2009
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: INTLET **Action:** C&E
Date: 06-Jan-2010
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** PHASEI
Date: 26-Oct-2009
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **Action:** PHASEI
Date: 05-Jan-2010
Action Description: Phase 1

Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** PHASEV
Date: 02-Nov-2015
Action Description: Phase 5
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FOLOFF **Action:** RLFA
Date: 05-Aug-2011
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TCEXT **Action:** TCLASS
Date: 12-Sep-2014
Action Description: Tier Classification
Status Description: Tier Classification Extension
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NOA **Action:** AUDCOM
Date: 25-Oct-2017
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NOA **Action:** AUDCOM
Date: 08-Dec-2017
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ALSENT **Action:** NOR
Date: 12-Aug-2009
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANMD **Action:** PHASIV
Date: 12-Dec-2014
Action Description: Phase 4
Status Description: Modified Revised or Updated Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **Action:** TCLASS
Date: 26-Oct-2009
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** IRA
Date: 06-Jan-2012
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** IRA
Date: 07-Jan-2011

Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED
Action: NOR
Date: 07-Nov-2008
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID:
Category: TWO HR
Current Status: PSNC
Phase:
Current St Desc: Permanent Solution with No Conditions
RAO Class: PN
Current Date: 03-May-2016
OHM: Hazardous Material
OFC Notification: 20-Oct-2008
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

11	2 of 2	WSW	0.08 / 414.52	178.98 / 6	NO LOCATION AID 360 COLLEGE ST AMHERST MA	SPILLS

RTN: 1-0017189
Primary ID:
Compliance Status:
Current Status: PSNC
Current Status Desc: Permanent Solution with No Conditions
Current Date: 5/3/2016
RAO Class:
RAO Class Desc:
Chemical Type:
Release Type: PSNC
Location Type: COMMERCIAL
Category: TWO HR
Initial Status Date: 10/20/2009
Notification Date: 10/20/2008
Source: UNKNOWN
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0017189
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: AUDCOM
Status: NAFNVD
RAO Class:
Date: 12/8/2017
Status Description: NAFNVD

Action: IRA
Status: APWRIT
RAO Class:
Date: 3/5/2010
Status Description: Written Approval of Plan

Action: IRA
Status: TSAUD
RAO Class:
Date: 5/5/2010
Status Description: Level I - Technical Screen Audit

Action: PHASEI
Status: TSAUD
RAO Class:
Date: 1/5/2010
Status Description: Level I - Technical Screen Audit

Action: PHASIV
Status: CSRCVD
RAO Class:
Date: 5/1/2015
Status Description: Completion Statement Received

Action: PHASIV
Status: PLANMD
RAO Class:
Date: 12/12/2014
Status Description: Modified Revised or Updated Plan Received

Action: PHASIV
Status: TSAUD
RAO Class:
Date: 5/1/2015
Status Description: Level I - Technical Screen Audit

Action: PHASII
Status: CSRCVD
RAO Class:
Date: 11/2/2011
Status Description: Completion Statement Received

Action: IRA
Status: STRCVD
RAO Class:
Date: 1/7/2011
Status Description: Status or Interim Report Received

Action: PHSIII
Status: CSRCVD
RAO Class:
Date: 11/2/2011
Status Description: Completion Statement Received

Action: C&E
Status: INTLET
RAO Class:
Date: 1/6/2010
Status Description: INTLET

Action: RAO
Status: TSAUD
RAO Class:
Date: 11/29/2016
Status Description: Level I - Technical Screen Audit

Action: IRA
Status: STRCVD
RAO Class:
Date: 1/6/2012
Status Description: Status or Interim Report Received

Action: PHASIV
Status: PLANWR
RAO Class:
Date: 10/30/2012
Status Description: Written Plan Received

Action: PHASEV
Status: STRCVD

RAO Class:
Date: 11/2/2015
Status Description: Status or Interim Report Received

Action: RAO
Status: AUDMOU
RAO Class:
Date: 12/8/2017
Status Description: Record an Audit Memorandum

Action: C&E
Status: INTLET
RAO Class:
Date: 8/10/2011
Status Description: INTLET

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 4/14/2010
Status Description: Follow-up Office Response

Action: C&E
Status: INTLET
RAO Class:
Date: 10/12/2011
Status Description: INTLET

Action: IRA
Status: PLANWR
RAO Class:
Date: 5/4/2010
Status Description: Written Plan Received

Action: PHASEI
Status: CSRCVD
RAO Class:
Date: 10/26/2009
Status Description: Completion Statement Received

Action: TCLASS
Status: TIERII
RAO Class:
Date: 10/26/2009
Status Description: Tier 2 Classification

Action: IRA
Status: STRCVD
RAO Class:
Date: 7/9/2010
Status Description: Status or Interim Report Received

Action: PHASEV
Status: RMRINT
RAO Class:
Date: 11/2/2015
Status Description: RMR Interim Report Received

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 8/5/2011
Status Description: Follow-up Office Response

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 5/1/2015
Status Description: Status or Interim Report Received

Action: NOR
Status: ISSUED
RAO Class:
Date: 11/7/2008
Status Description: Correspondence Issued

Action: RNF
Status: REPORT
RAO Class:
Date: 10/20/2008
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: CSRCVD
RAO Class:
Date: 7/19/2012
Status Description: Completion Statement Received

Action: PHASIV
Status: ABCRCD
RAO Class:
Date: 5/1/2015
Status Description: As-Built Construction Report Received

Action: TCLASS
Status: TSAUD
RAO Class:
Date: 1/5/2010
Status Description: Level I - Technical Screen Audit

Action: PHASEV
Status: CSRCVD
RAO Class:
Date: 5/3/2016
Status Description: Completion Statement Received

Action: RLFA
Status: FLDRAN
RAO Class:
Date: 11/16/2017
Status Description: Compliance Field Response - Announced

Action: AUDCOM
Status: NOA
RAO Class:
Date: 12/8/2017
Status Description: NOA

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 12/12/2014
Status Description: Status or Interim Report Received

Action: REL
Status: REPORT
RAO Class:
Date: 3/5/2010
Status Description: Reportable Release under MGL 21E

Action: AUDCOM
Status: NOA
RAO Class:
Date: 10/25/2017
Status Description: NOA

Action: NOR
Status: ALSENT

RAO Class:
Date: 8/12/2009
Status Description: Anniversary Letter Sent

Action: REL
Status: REPORT
RAO Class:
Date: 10/20/2008
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: TSAUD
RAO Class:
Date: 8/5/2011
Status Description: Level I - Technical Screen Audit

Action: TCLASS
Status: RECPT
RAO Class:
Date: 10/26/2009
Status Description: Transmittal, Notice, or Notification Received

Action: TCLASS
Status: TCEXT
RAO Class:
Date: 9/12/2014
Status Description: Tier Classification Extension

Action: IRA
Status: STRCVD
RAO Class:
Date: 7/11/2011
Status Description: Status or Interim Report Received

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 3/22/2010
Status Description: Follow-up Office Response

Action: PHASIV
Status: TSAUD
RAO Class:
Date: 1/21/2015
Status Description: Level I - Technical Screen Audit

Action: PHASEV
Status: WORKST
RAO Class:
Date: 5/1/2015
Status Description: Work Started

Action: RAO
Status: PSNRCD
RAO Class:
Date: 5/3/2016
Status Description: Permanent Solution with No Conditions

Action: IRA
Status: ASSESS
RAO Class:
Date: 3/5/2010
Status Description: IRA Assessment Only

Chemical Information

Chemical: TETRACHLOROETHYLENE
Amount: 9.62

Unit: UG/G

LSP Information

LSP: 9857
Name: RIDDLE, ALEXANDRA N

Response Action Information

Response Action Type: PHASEI Phase 1
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 01/05/2010
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 03/05/2010
RAO Class:
Activity Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 07/19/2012
RAO Class:
Activity Use Limitation:

Response Action Type: PHASEV Phase 5
Status: CSRCVD Completion Statement Received
Submittal Date: 05/03/2016
RAO Class:
Activity Use Limitation:

Response Action Type: PHASII Phase 2
Status: CSRCVD Completion Statement Received
Submittal Date: 11/02/2011
RAO Class:
Activity Use Limitation:

Response Action Type: PHASIV Phase 4
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 05/01/2015
RAO Class:
Activity Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: TCEXT
Submittal Date: 09/12/2014
RAO Class:
Activity Use Limitation:

Response Action Type: PHSIII Phase 3
Status: CSRCVD Completion Statement Received
Submittal Date: 11/02/2011
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 11/29/2016
RAO Class: PN
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/20/2008
RAO Class:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Activity Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/20/2008
RAO Class:
Activity Use Limitation:

RAO Information

Class: PN
Method: 3
GW Category: 2
Soil Category: 1

Tier Classification Details

RTN Total: 331
NRS II: 215
NRS III: 66
NRS IV: 30
NRS V: 20
NRS VI: 0
Zone 2: N
Imminent Hazard: N

Location Information

Location: COMMERCIAL

Source Information

Source: UNKNOWN

12	*1 of 3*	*WSW*	*0.08 / 418.38*	*178.98 / 6*	***COLLEGE DRY CLEANERS*** ***358 COLLEGE ST*** ***AMHERST MA 01002***	***RCRA VSQG***

EPA Handler ID: MAD982545261
Gen Status Universe: VSG
Contact Name: DAVID-K LEE
Contact Address: 358 COLLEGE ST , , AMHERST , MA, 01002 , US
Contact Phone No and Ext: 413-253-5523
Contact Email:
Contact Country: US
County Name: HAMPSHIRE
EPA Region: 01
Land Type: Private
Receive Date: 19880107
Location Latitude: 42.372935
Location Longitude: -72.501705

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Nov, 2021.

Evaluation Details

Evaluation Start Date: 19931222
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19910307
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19880107
Handler Name: COLLEGE DRY CLEANERS
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: COLLEGE DRY CLEANERS
Date Became Current: 19910321
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1: 358 COLLEGE ST
Street 2:
City: AMHERST
State: MA
Country: US
Zip Code: 01002

Owner/Operator Ind: Current Owner
Type: Private
Name: DAVID K LEE
Date Became Current: 20041016
Date Ended Current:
Phone:
Street No:
Street 1: 358 COLLEGE ST
Street 2:
City: AMHERST
State: MA
Country: US

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source Type:	Notification			**Zip Code:**	01002	
12	2 of 3	WSW	0.08 / 418.38	178.98 / 6	COLLEGE DRY CLEANERS 358 COLLEGE ST AMHERST MA 01002	GEN

EPA ID No: MAD982545261
2nd Name:
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	3 of 3	WSW	0.08 / 418.38	178.98 / 6	COLLEGE DRY CLEANERS 358 COLLEGE ST AMHERST MA 01002	FED DRYCLEANERS

FRS Facility ID: 110003481492
NPDES IDs:
NAICS Codes: 81232
SIC Codes:
Latitude: 42.37291
Longitude: -72.501823

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	1 of 1	SW	0.08 / 419.71	178.35 / 6	AUTO EXPRESS 118 EAST ST S AMHERST MA 01002	GEN

EPA ID No: MV4132530056
2nd Name:
Phone: 413-253-0056

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of 4	WSW	0.08 / 432.88	178.98 / 6	CUMBERLAND FARMS 385 COLLEGE ST AMHERST MA	LUST

RTN: 1-0013120
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 04/14/2000
Notification Date: 09/22/1999
RAO Class: A2
Chemical Type: Oil
Reporting Category: 72 HR
Phase: PHASE II
Location Type(s): COMMERCIAL
Site Name (BWSC): CUMBERLAND FARMS
Address (BWSC): 385 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
Source(s): UST
Site Name (EEA Data Portal): CUMBERLAND FARMS
Release Add (EEA Data Portal): 385 COLLEGE ST
City/Town (EEA Data Portal): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013120
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013120
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 14-Apr-2000
OFC Notification: 22-Sep-1999
Category: 72 HR
Phase: PHASE II
RAO Class: A2
OHM: Oil
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: GASOLINE
Amount: 100
Units: PPMV

Action Information

Status: APORAL ***Action:*** IRA
Date: 22-Sep-1999
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 22-Nov-1999
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** PHASEI
Date: 10-Apr-2000
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 23-Sep-1999
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***Action:*** RAO
Date: 14-Apr-2000
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 14-Apr-2000
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 22-Sep-1999
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 14-Oct-1999
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	2 of 4	WSW	0.08 / 432.88	178.98 / 6	CUMBERLAND FARMS 385 COLLEGE ST AMHERST MA	LST

Site No: 1-0013120
Source: UST
Release Type: RAO
Chemical Type: Oil
Category: 72 HR
Initial Status Dt: 9/22/2000
Official Notifi Dt: 9/22/1999
Current Date: 4/14/2000
ROA Class: A2
Phase: PHASE II
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc: Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined.
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0013120
Location Type: COMMERCIAL

Chemicals Information

Chemical: GASOLINE
Amount: 100
Units: PPMV

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 09/22/1999
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 04/10/2000
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 11/22/1999
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/14/1999
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: FEEREC Fee Received - TFS Use Only
Submittal Date: 04/14/2000
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation:

Licensed Site Professional

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LSP No: N/A
LSP Name: MARIANO, CHRISTOPHER G

RAO Detail

Class: A2
Method: 2
GW Category: 3
Soil Category: 2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	3 of 4	WSW	0.08 / 432.88	178.98 / 6	CUMBERLAND FARMS 385 COLLEGE ST AMHERST MA	SPILLS

RTN: 1-0013120
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 4/14/2000
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background
Chemical Type:
Release Type: RAO
Location Type: COMMERCIAL
Category: 72 HR
Initial Status Date: 9/22/2000
Notification Date: 9/22/1999
Source: UST
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0013120
Phase: PHASE II
Phase Desc: Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined
Office Town: AMHERST

Actions

Action: NOR
Status: ISSUED
RAO Class: A2
Date: 9/23/1999
Status Description: Correspondence Issued

Action: PHASEI
Status: CSRCVD
RAO Class: A2
Date: 4/10/2000
Status Description: Completion Statement Received

Action: RAO
Status: RAORCD
RAO Class: A2
Date: 4/14/2000
Status Description: RAO Statement Received (retired)

Action: RNF
Status: REPORT
RAO Class: A2
Date: 10/14/1999
Status Description: Reportable Release under MGL 21E

Action: IRA

Status: APORAL
RAO Class: A2
Date: 9/22/1999
Status Description: Oral Approval of Plan or Action

Action: IRA
Status: CSRCVD
RAO Class: A2
Date: 11/22/1999
Status Description: Completion Statement Received

Action: REL
Status: REPORT
RAO Class: A2
Date: 9/22/1999
Status Description: Reportable Release under MGL 21E

Action: RAO
Status: FEEREC
RAO Class: A2
Date: 4/14/2000
Status Description: Fee Received

Chemical Information

Chemical: GASOLINE
Amount: 100
Unit: PPMV

LSP Information

LSP: N/A
Name: MARIANO, CHRISTOPHER G

Response Action Information

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/14/1999
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: FEEREC Fee Received - TFS Use Only
Submittal Date: 04/14/2000
RAO Class: A2
Activity Use Limitation:

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 04/10/2000
RAO Class:
Activity Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 11/22/1999
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 09/22/1999
RAO Class:
Activity Use Limitation:

RAO Information

Class: A2
Method: 2
GW Category: 3
Soil Category: 2

Location Information

Location: COMMERCIAL

Source Information

Source: UST

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14 | ***4 of 4*** | ***WSW*** | ***0.08 / 432.88*** | ***178.98 / 6*** | ***CUMBERLAND FARMS 385 COLLEGE ST AMHERST MA*** | ***RELEASE***

RTN: 1-0013120
Compliance Date: 04/14/2000
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 09/22/1999
Source: UST
Reporting Category: 72 HR
Site (EEA Data): CUMBERLAND FARMS
Rel Add(EEA Data): 385 COLLEGE ST
Town (EEA Data): AMHERST
Phase: PHASE II
RAO Class: A2
Chemical Type: Oil
Location Type: COMMERCIAL
Site Name (BWSC): CUMBERLAND FARMS
Address (BWSC): 385 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013120
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013120
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 100
Units: PPMV

Action Information (BWSC)

Status: REPORT
Action: RNF
Date: 14-Oct-1999
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL
Action: IRA
Date: 22-Sep-1999
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD
Action: IRA
Date: 22-Nov-1999
Action Description: Immediate Response Action

Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 22-Sep-1999
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC **Action:** RAO
Date: 14-Apr-2000
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 14-Apr-2000
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 23-Sep-1999
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** PHASEI
Date: 10-Apr-2000
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: RAO **Phase:** PHASE II
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 14-Apr-2000 **OHM:** Oil
OFC Notification: 22-Sep-1999
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

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15 | **1 of 1** | **NW** | **0.08 / 442.26** | **185.92 / 13** | **RENTAL PROPERTY 30 N. EAST STREET AMHERST MA** | **HIST LAST**

Spill ID: W90-0596 **Repo Units Spilled:** ----------
Site ID: 0000 **Act. Qty Spilled:** UNKNOWN
Case Closed: YES **Act. Units Spilled:** ----------
LUST: NO **Spill Date:**
Incident: LEAK **Spill Time:**
Other Incident: **Rport Date:**
Source: ABOVE-GRND TANK **Rport Time:** 02:00PM
Other Source: **Notifier:** MR. VIDMAR
Petro/Hazardous: PETROLEUM **Notifier Phone:**
Virgin/Waste: VIRGIN **First IR Form:**
Material: #2 FUEL OIL **Staff Lead:** CARPENTER, C
Other Material: **Category:**
Enviro Impact: SOIL **Days For Case:** 6

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Other Env. Impact:
Contaminated Soil:
PCB Ranges: NONE
Reported Qty Spilled: UNKNOWN
CAS NO for Haz Waste:
SPL Info. 1st Entered:
SPL Info. Last Entered:
Report pre by:
Contractor: NOT USED
Referral Divisions: NO

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16 | *1 of 1* | *W* | *0.09 / 452.18* | *183.89 / 11* | *EAST STREET SCHOOL 31 SOUTHEAST STREET AMHERST MA* | *ASBESTOS PROJECT*

Project ID: 764939
Form Type: ANF-001
Project Type: DISPOSAL
Owner Name: TOWN OF AMHERST
Owner address: 170 CHESTNUT STREET
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: CHRISTOPHER J. COOPEE
Site Supervisor ID: AS070247
Project Start Dt: 11/6/2002
Project End Dt: 11/6/2002

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17 | *1 of 2* | *SW* | *0.09 / 478.70* | *179.70 / 7* | *RESIDENTIAL STRUCTURE 118 SOUTH EAST ST. AMHERST MA* | *ASBESTOS PROJECT*

Project ID: 100028924
Form Type: ANF-001
Project Type: Dem
Owner Name: AMIR MIKHEHI
Owner address: 43 BELCHERTOWN RD.
DLS Contractor: BAYSTATE CONTRACTING SERVICES INC
DLS Contractor ID: AC000021
Site Supervisor: JEFFREY M SCHIFF
Site Supervisor ID: AS070047
Project Start Dt: 3/6/2006
Project End Dt: 3/10/2006

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17 | *2 of 2* | *SW* | *0.09 / 478.70* | *179.70 / 7* | *RESIDENTIAL STRUCTURE 118 SOUTH EAST ST. AMHERST MA* | *ASBESTOS PROJECT*

Project ID: 100028926
Form Type: AQ-06
Project Type:
Owner Name: AMIR MIKHEHI
Owner address: 43 BELCHERTOWN RD.
DLS Contractor:
DLS Contractor ID:
Site Supervisor:
Site Supervisor ID:
Project Start Dt: 3/8/2006
Project End Dt: 3/31/2006

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18 | *1 of 1* | *NW* | *0.09 / 485.84* | *187.28 / 15* | *RENTAL PROPERTY 30 NORTHEAST ST AMHERST MA* | *RELEASE*

RTN: 1-0010352
Compliance Date: 10/24/1994
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 05/23/1994
Source: AST
Reporting Category: TWO HR
Site (EEA Data): RENTAL PROPERTY
Phase:
RAO Class: A1
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): RENTAL PROPERTY
Address (BWSC): 30 NORTHEAST ST
Town (BWSC): AMHERST
Zip Code (BWSC):

Rel Add(EEA Data): 30 NORTHEAST ST **OFC Town (BWSC):** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010352
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010352
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 100
Units: GAL

Chemical: #2 FUEL OIL
Amount:
Units:

Action Information (BWSC)

Status: REPORT **Action:** REL
Date: 23-May-1994
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF **Action:** RLFA
Date: 04-Aug-1994
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED **Action:** NOR
Date: 13-Jun-1994
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: PLANWR **Action:** IRA
Date: 11-Aug-1994
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD **Action:** RAO
Date: 24-Oct-1994
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF **Action:** RLFA
Date: 22-Jun-1994
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL **Action:** IRA
Date: 26-Jul-1994
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FEEREC **Action:** RAO
Date: 06-Mar-1995
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** RNF
Date: 28-Jul-1994
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLFLD **Action:** RLFA
Date: 26-Jul-1994
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL **Action:** IRA
Date: 04-Aug-1994
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A1
Current Date: 24-Oct-1994 **OHM:** Oil
OFC Notification: 23-May-1994
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	1 of 1	NW	0.10 / 503.39	185.93 / 13	RENTAL PROPERTY 30 NORTHEAST ST AMHERST MA	SPILLS

RTN: 1-0010352
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 10/24/1994

RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated
Chemical Type:
Release Type: RAO
Location Type: RESIDNTIAL
Category: TWO HR
Initial Status Date: 5/23/1995
Notification Date: 5/23/1994
Source: AST
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0010352
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: RLFA
Status: FOLFLD
RAO Class: A1
Date: 7/26/1994
Status Description: Follow-up or Other Field Response

Action: IRA
Status: APORAL
RAO Class: A1
Date: 8/4/1994
Status Description: Oral Approval of Plan or Action

Action: IRA
Status: APORAL
RAO Class: A1
Date: 7/26/1994
Status Description: Oral Approval of Plan or Action

Action: RAO
Status: FEEREC
RAO Class: A1
Date: 3/6/1995
Status Description: Fee Received

Action: RNF
Status: REPORT
RAO Class: A1
Date: 7/28/1994
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: PLANWR
RAO Class: A1
Date: 8/11/1994
Status Description: Written Plan Received

Action: RAO
Status: RAORCD
RAO Class: A1
Date: 10/24/1994
Status Description: RAO Statement Received (retired)

Action: RLFA
Status: FOLOFF
RAO Class: A1
Date: 8/4/1994
Status Description: Follow-up Office Response

Action: RLFA
Status: FOLOFF
RAO Class: A1

Date: 6/22/1994
Status Description: Follow-up Office Response

Action: NOR
Status: ISSUED
RAO Class: A1
Date: 6/13/1994
Status Description: Correspondence Issued

Action: REL
Status: REPORT
RAO Class: A1
Date: 5/23/1994
Status Description: Reportable Release under MGL 21E

Chemical Information

Chemical: #2 FUEL OIL
Amount:
Unit:

Chemical: #2 FUEL OIL
Amount: 100
Unit: GAL

LSP Information

LSP: N/A
Name: HATCH, PAUL B

Response Action Information

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 05/23/1994
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: FEEREC Fee Received - TFS Use Only
Submittal Date: 03/06/1995
RAO Class: A1
Activity Use Limitation: NONE

Response Action Type: IRA Immediate Response Action
Status: PLANWR Written Plan Received
Submittal Date: 08/11/1994
RAO Class:
Activity Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 07/28/1994
RAO Class:
Activity Use Limitation:

RAO Information

Class: A1
Method: N
GW Category:
Soil Category:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Information

Location: RESIDNTIAL

Source Information

Source: AST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of 6	ENE	0.10 / 508.01	183.10 / 11	FORMER AMHERST GAS WORKS 36 PELHAM RD AMHERST MA	RELEASE

RTN:	1-0014253	***Phase:***	
Compliance Date:	03/05/2021	***RAO Class:***	TF
Compliance Status:	TMPS	***Chemical Type:***	Hazardous Material
Compl Status Desc:	Temporary Solution	***Location Type:***	COMMERCIAL, RESIDNTIAL
Notification Date:	03/06/2002	***Site Name (BWSC):***	FORMER AMHERST GAS WORKS
Source:	UNKNOWN	***Address (BWSC):***	36 PELHAM RD
Reporting Category:	TWO HR	***Town (BWSC):***	AMHERST
Site (EEA Data):	FORMER AMHERST GAS WORKS	***Zip Code (BWSC):***	
Rel Add(EEA Data):	36 PELHAM RD	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:			
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0014253		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0014253		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical:	CHRYSENE
Amount:	8600
Units:	PPB
Chemical:	INDENO(1,2,3-CD)PYRENE
Amount:	3000
Units:	PPB
Chemical:	2-METHYLNAPHTHALENE
Amount:	5800
Units:	PPB
Chemical:	UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount:	
Units:	
Chemical:	COAL TAR
Amount:	4
Units:	INCH

Action Information (BWSC)

Status:	NOA	***Action:***	AUDCOM
Date:	18-Jun-2013		
Action Description:			
Status Description:			
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		
Status:	RFI	***Action:***	AUDCOM
Date:	18-Jun-2013		
Action Description:			
Status Description:			

RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: CSRCVD **Action:** IRA
Date: 05-Dec-2006
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: PLANWR **Action:** IRA
Date: 04-Apr-2003
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 05-Jan-2012
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 02-Jul-2020
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 02-Jan-2020
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 04-Jan-2015
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 05-Jan-2012
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 06-Jan-2014
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 27-Jun-2016
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 28-Jun-2019
Action Description: Phase 4

Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: T2EXT **Action:** TCLASS
Date: 09-Jan-2008
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: T2EXT **Action:** TCLASS
Date: 14-Jan-2014
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TCEXT **Action:** TCLASS
Date: 07-Jan-2020
Action Description: Tier Classification
Status Description: Tier Classification Extension
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TCEXT **Action:** TCLASS
Date: 09-Jan-2015
Action Description: Tier Classification
Status Description: Tier Classification Extension
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: APORAL **Action:** IRA
Date: 07-Feb-2003
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** IRA
Date: 02-Jun-2004
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: ISSUED **Action:** NOR
Date: 06-Mar-2002
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: REVRCD **Action:** PHASII
Date: 01-Feb-2010
Action Description: Phase 2
Status Description: Revised Statement or Transmittal Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 02-Jan-2020
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 30-Jun-2010

Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 05-Jul-2011
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 30-Jun-2015
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 02-Jul-2020
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 07-Jul-2008
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSFREV **Action:** RAO
Date: 05-Mar-2021
Action Description: Response Action Outcome -RAO
Status Description: Revised Temporary Solution Permanent Solution Feasible
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: NDMDRC **Action:** RAO-P
Date: 10-Jan-2008
Action Description: Partial RAO for this RTN
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: REPORT **Action:** REL
Date: 08-Feb-2005
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: FLDRAN **Action:** RLFA
Date: 19-Jun-2013
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: REPORT **Action:** RNF
Date: 26-Apr-2002
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: T2EXT **Action:** TCLASS

Date: 10-Jan-2012
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TCEXT **Action:** TCLASS
Date: 08-Jan-2018
Action Description: Tier Classification
Status Description: Tier Classification Extension
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: SHPFAC **Action:** BOL
Date: 28-Jan-2014
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: INTLET **Action:** C&E
Date: 10-Feb-2011
Action Description:
Status Description:
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: INTLET **Action:** C&E
Date: 09-Mar-2005
Action Description:
Status Description:
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: ALSENT **Action:** NOR
Date: 25-Nov-2002
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: SOW **Action:** PHASII
Date: 08-Dec-2003
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: ABCRCD **Action:** PHASIV
Date: 07-Jan-2008
Action Description: Phase 4
Status Description: As-Built Construction Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: CSRCVD **Action:** PHASIV
Date: 05-Mar-2021
Action Description: Phase 4
Status Description: Completion Statement Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINI **Action:** PHASIV
Date: 06-Feb-2008
Action Description: Phase 4
Status Description: RMR Initial Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status:	RMRINT	**Action:**	PHASIV
Date:	28-Jun-2019		
Action Description:	Phase 4		
Status Description:	RMR Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	**Action:**	PHASIV
Date:	05-Jan-2016		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	**Action:**	PHASIV
Date:	05-Jan-2017		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	**Action:**	PHASIV
Date:	06-Feb-2008		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	**Action:**	PHASIV
Date:	30-Jun-2010		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	**Action:**	PHASIV
Date:	16-Jul-2018		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	PLANWR	**Action:**	RAM
Date:	17-May-2013		
Action Description:	Release Abatement Measure		
Status Description:	Written Plan Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	TSAUD	**Action:**	RAO
Date:	29-Jul-2021		
Action Description:	Response Action Outcome -RAO		
Status Description:	Level I - Technical Screen Audit		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	PSNRCD	**Action:**	RAO-P
Date:	10-Feb-2015		
Action Description:	Partial RAO for this RTN		
Status Description:	Permanent Solution with No Conditions		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	RMRINT	**Action:**	RAO-P
Date:	05-Jan-2016		
Action Description:	Partial RAO for this RTN		
Status Description:	RMR Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status: RMRINT **Action:** RAO-P
Date: 27-Jun-2016
Action Description: Partial RAO for this RTN
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: INTLET **Action:** C&E
Date: 07-Feb-2013
Action Description:
Status Description:
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: INTLET **Action:** C&E
Date: 04-Mar-2008
Action Description:
Status Description:
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: INTLET **Action:** C&E
Date: 05-Mar-2009
Action Description:
Status Description:
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: CSRCVD **Action:** IRA
Date: 06-Apr-2005
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 06-Jan-2009
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 29-Jun-2012
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 04-Jan-2021
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** RAO-P
Date: 30-Jun-2015
Action Description: Partial RAO for this RTN
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSAUD **Action:** RAO-P
Date: 02-Jul-2015
Action Description: Partial RAO for this RTN
Status Description: Level I - Technical Screen Audit
RAO Class: TF

RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: REPORT **Action:** REL
Date: 03-Jan-2002
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: T2EXT **Action:** TCLASS
Date: 05-Jan-2011
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: INTLET **Action:** C&E
Date: 19-Feb-2010
Action Description:
Status Description:
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: IHEVAL **Action:** IRA
Date: 06-Apr-2005
Action Description: Immediate Response Action
Status Description: Imminent Hazard Evaluation Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSAUD **Action:** IRA
Date: 04-Jan-2005
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: ALSENT **Action:** NOR
Date: 17-Jan-2003
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: SOW **Action:** PHASII
Date: 21-Aug-2007
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: PLANWR **Action:** PHASIV
Date: 15-Feb-2006
Action Description: Phase 4
Status Description: Written Plan Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 27-Jun-2013
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 02-Jan-2013
Action Description: Phase 4
Status Description: Status or Interim Report Received

RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 04-Jan-2011
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 10-Jul-2009
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: CSRCVD **Action:** PHSIII
Date: 06-Jun-2005
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: CSRCVD **Action:** RAM
Date: 06-Feb-2014
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** RAO-P
Date: 04-Jan-2015
Action Description: Partial RAO for this RTN
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: REPORT **Action:** REL
Date: 07-Feb-2003
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** IRA
Date: 06-Jun-2005
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** IRA
Date: 30-Nov-2004
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: CSRCVD **Action:** PHASEI
Date: 05-Mar-2003
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSAUD **Action:** PHASII
Date: 21-Jul-2005
Action Description: Phase 2

Status Description: Level I - Technical Screen Audit
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 04-Jan-2021
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 06-Jan-2010
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 08-Jan-2018
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 23-Jun-2014
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 29-Jun-2012
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 05-Jul-2011
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** RAM
Date: 24-Sep-2013
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RAORCD **Action:** RAO-P
Date: 10-Feb-2015
Action Description: Partial RAO for this RTN
Status Description: RAO Statement Received (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** RAO-P
Date: 30-Jun-2017
Action Description: Partial RAO for this RTN
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** RAO-P
Date: 16-Jul-2018

Action Description: Partial RAO for this RTN
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: FOLOFF **Action:** RLFA
Date: 23-Aug-2013
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RECPT **Action:** TCLASS
Date: 05-Mar-2003
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: T2EXT **Action:** TCLASS
Date: 14-Jan-2013
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: T2EXT **Action:** TCLASS
Date: 21-Jan-2009
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TIERII **Action:** TCLASS
Date: 05-Mar-2003
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RECPT **Action:** BOL
Date: 15-Nov-2013
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: INTLET **Action:** C&E
Date: 18-Jun-2013
Action Description:
Status Description:
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: APWRIT **Action:** IRA
Date: 07-Feb-2003
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** IRA
Date: 02-Dec-2005
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSAUD **Action:** IRA

Date: 12-May-2005
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSAUD **Action:** IRA
Date: 06-Jun-2003
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSAUD **Action:** PHASEI
Date: 04-Jan-2005
Action Description: Phase 1
Status Description: Level I - Technical Screen Audit
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 06-Jan-2014
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** PHASIV
Date: 30-Jun-2017
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TSAUD **Action:** PHSIII
Date: 21-Jul-2005
Action Description: Phase 3
Status Description: Level I - Technical Screen Audit
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RAORCD **Action:** RAO-P
Date: 29-Feb-2008
Action Description: Partial RAO for this RTN
Status Description: RAO Statement Received (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** RAO-P
Date: 05-Jan-2017
Action Description: Partial RAO for this RTN
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: FOLOFF **Action:** RLFA
Date: 20-Apr-2006
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: TCEXT **Action:** TCLASS
Date: 15-Jan-2016
Action Description: Tier Classification
Status Description: Tier Classification Extension
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: APWRIT **Action:** IRA
Date: 11-Feb-2005
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: ASSESS **Action:** IRA
Date: 08-Feb-2005
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** IRA
Date: 03-Jun-2003
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** IRA
Date: 06-Jun-2006
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: STRCVD **Action:** IRA
Date: 26-Nov-2003
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: CSRCVD **Action:** PHASII
Date: 06-Jun-2005
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 02-Jan-2013
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 04-Jan-2011
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 04-Jan-2019
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: RMRINT **Action:** PHASIV
Date: 06-Jan-2010
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status:	RMRINT	***Action:***	PHASIV
Date:	23-Jun-2014		
Action Description:	Phase 4		
Status Description:	RMR Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	RMRINT	***Action:***	PHASIV
Date:	07-Jul-2008		
Action Description:	Phase 4		
Status Description:	RMR Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	RMRINT	***Action:***	PHASIV
Date:	10-Jul-2009		
Action Description:	Phase 4		
Status Description:	RMR Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	***Action:***	PHASIV
Date:	04-Jan-2019		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	***Action:***	PHASIV
Date:	06-Jan-2009		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	STRCVD	***Action:***	PHASIV
Date:	27-Jun-2013		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	REVRCD	***Action:***	PHSIII
Date:	01-Feb-2010		
Action Description:	Phase 3		
Status Description:	Revised Statement or Transmittal Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	RMRINT	***Action:***	RAO-P
Date:	08-Jan-2018		
Action Description:	Partial RAO for this RTN		
Status Description:	RMR Interim Report Received		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	REPORT	***Action:***	REL
Date:	06-Mar-2002		
Action Description:	Release Disposition		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	TF		
RAO Class Desc:	Temporary Solution Permanent Solution Feasible		

Status:	FLDRUN	***Action:***	RLFA
Date:	08-Nov-2005		
Action Description:	Site Visit or Office Follow-up		
Status Description:	Compliance Field Response - Unannounced		
RAO Class:	TF		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: FOLOFF **Action:** RLFA
Date: 29-Mar-2006
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: FOLOFF **Action:** RLFA
Date: 02-Apr-2013
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: FOLOFF **Action:** RLFA
Date: 01-May-2007
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Status: T2EXT **Action:** TCLASS
Date: 13-Jan-2010
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: TF
RAO Class Desc: Temporary Solution Permanent Solution Feasible

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: TMPS **Phase:**
Current St Desc: Temporary Solution **RAO Class:** TF
Current Date: 05-Mar-2021 **OHM:** Hazardous Material
OFC Notification: 06-Mar-2002
Phase Desc:
RAO Class Desc: Temporary Solution Permanent Solution Feasible
Other Rela:

20	2 of 6	ENE	0.10 / 508.01	183.10 / 11	FORMER AMHERST GAS WORKS 36 PELHAM RD AMHERST MA	SPILLS

RTN: 1-0014253
Primary ID:
Compliance Status:
Current Status: TIERII
Current Status Desc: Site has been classified as Tier 2
Current Date: 3/5/2003
RAO Class:
RAO Class Desc:
Chemical Type:
Release Type: TIER 2
Location Type: COMMERCIAL,RESIDNTIAL
Category: TWO HR
Initial Status Date: 3/6/2003
Notification Date: 3/6/2002
Source: UNKNOWN
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0014253
Phase: PHASE IV
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan. The cleanup plan is implemented in Phase IV
Office Town: AMHERST

Actions

Action: BOL
Status: RECPT
RAO Class:
Date: 11/15/2013
Status Description: Transmittal, Notice, or Notification Received

Action: REL
Status: REPORT
RAO Class:
Date: 1/3/2002
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: ASSESS
RAO Class:
Date: 2/8/2005
Status Description: IRA Assessment Only

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 6/23/2014
Status Description: RMR Interim Report Received

Action: PHASII
Status: SOW
RAO Class:
Date: 8/21/2007
Status Description: Scope of Work Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/5/2012
Status Description: Status or Interim Report Received

Action: RAO-P
Status: RMRINT
RAO Class:
Date: 6/30/2017
Status Description: RMR Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 2/6/2008
Status Description: Status or Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 6/29/2012
Status Description: Status or Interim Report Received

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 1/6/2010
Status Description: RMR Interim Report Received

Action: PHSIII
Status: REVRCD
RAO Class:
Date: 2/1/2010
Status Description: Revised Statement or Transmittal Received

Action: AUDCOM

Status: NOA
RAO Class:
Date: 6/18/2013
Status Description: NOA

Action: RAO-P
Status: RMRINT
RAO Class:
Date: 1/5/2016
Status Description: RMR Interim Report Received

Action: AUDCOM
Status: RFI
RAO Class:
Date: 6/18/2013
Status Description: RFI

Action: IRA
Status: STRCVD
RAO Class:
Date: 11/30/2004
Status Description: Status or Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 6/30/2015
Status Description: Status or Interim Report Received

Action: C&E
Status: INTLET
RAO Class:
Date: 2/7/2013
Status Description: INTLET

Action: C&E
Status: INTLET
RAO Class:
Date: 2/10/2011
Status Description: INTLET

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 7/5/2011
Status Description: Status or Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/2/2013
Status Description: Status or Interim Report Received

Action: RAO-P
Status: TSAUD
RAO Class:
Date: 7/2/2015
Status Description: Level I - Technical Screen Audit

Action: REL
Status: REPORT
RAO Class:
Date: 2/7/2003
Status Description: Reportable Release under MGL 21E

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/5/2016

Status Description: Status or Interim Report Received

Action: RAM
Status: STRCVD
RAO Class:
Date: 9/24/2013
Status Description: Status or Interim Report Received

Action: IRA
Status: STRCVD
RAO Class:
Date: 12/2/2005
Status Description: Status or Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 6/23/2014
Status Description: Status or Interim Report Received

Action: RLFA
Status: FLDRAN
RAO Class:
Date: 6/19/2013
Status Description: Compliance Field Response - Announced

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 4/2/2013
Status Description: Follow-up Office Response

Action: TCLASS
Status: T2EXT
RAO Class:
Date: 1/5/2011
Status Description: Tier 2 Extension (retired)

Action: C&E
Status: INTLET
RAO Class:
Date: 3/9/2005
Status Description: INTLET

Action: PHSIII
Status: TSAUD
RAO Class:
Date: 7/21/2005
Status Description: Level I - Technical Screen Audit

Action: C&E
Status: INTLET
RAO Class:
Date: 3/5/2009
Status Description: INTLET

Action: NOR
Status: ALSENT
RAO Class:
Date: 11/25/2002
Status Description: Anniversary Letter Sent

Action: RAO-P
Status: NDMDRC
RAO Class:
Date: 1/10/2008
Status Description: Notice of Delay in Meeting RA Deadline Received

Action: PHASII

Status: TSAUD
RAO Class:
Date: 7/21/2005
Status Description: Level I - Technical Screen Audit

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/6/2010
Status Description: Status or Interim Report Received

Action: RAM
Status: PLANWR
RAO Class:
Date: 5/17/2013
Status Description: Written Plan Received

Action: REL
Status: REPORT
RAO Class:
Date: 2/8/2005
Status Description: Reportable Release under MGL 21E

Action: REL
Status: REPORT
RAO Class:
Date: 3/6/2002
Status Description: Reportable Release under MGL 21E

Action: PHASIV
Status: RMRINI
RAO Class:
Date: 2/6/2008
Status Description: RMR Initial Report Received

Action: IRA
Status: APORAL
RAO Class:
Date: 2/7/2003
Status Description: Oral Approval of Plan or Action

Action: IRA
Status: TSAUD
RAO Class:
Date: 1/4/2005
Status Description: Level I - Technical Screen Audit

Action: TCLASS
Status: T2EXT
RAO Class:
Date: 1/14/2013
Status Description: Tier 2 Extension (retired)

Action: TCLASS
Status: TCEXT
RAO Class:
Date: 1/9/2015
Status Description: Tier Classification Extension

Action: BOL
Status: SHPFAC
RAO Class:
Date: 1/28/2014
Status Description: Remediation was Shipped to a Facility

Action: PHASEI
Status: TSAUD
RAO Class:
Date: 1/4/2005

Status Description: Level I - Technical Screen Audit

Action: TCLASS
Status: TIERII
RAO Class:
Date: 3/5/2003
Status Description: Tier 2 Classification

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/5/2017
Status Description: Status or Interim Report Received

Action: RAM
Status: CSRCVD
RAO Class:
Date: 2/6/2014
Status Description: Completion Statement Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 7/7/2008
Status Description: Status or Interim Report Received

Action: RAO-P
Status: RMRINT
RAO Class:
Date: 6/27/2016
Status Description: RMR Interim Report Received

Action: NOR
Status: ISSUED
RAO Class:
Date: 3/6/2002
Status Description: Correspondence Issued

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 1/5/2012
Status Description: RMR Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 6/30/2010
Status Description: Status or Interim Report Received

Action: RAO-P
Status: RAORCD
RAO Class:
Date: 2/10/2015
Status Description: RAO Statement Received (retired)

Action: IRA
Status: IHEVAL
RAO Class:
Date: 4/6/2005
Status Description: Imminent Hazard Evaluation Received

Action: IRA
Status: STRCVD
RAO Class:
Date: 6/2/2004
Status Description: Status or Interim Report Received

Action: PHASIV

Status: RMRINT
RAO Class:
Date: 7/7/2008
Status Description: RMR Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 6/27/2016
Status Description: Status or Interim Report Received

Action: RAO-P
Status: RAORCD
RAO Class:
Date: 2/29/2008
Status Description: RAO Statement Received (retired)

Action: IRA
Status: APWRIT
RAO Class:
Date: 2/7/2003
Status Description: Written Approval of Plan

Action: IRA
Status: CSRCVD
RAO Class:
Date: 12/5/2006
Status Description: Completion Statement Received

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 6/27/2013
Status Description: RMR Interim Report Received

Action: PHSIII
Status: CSRCVD
RAO Class:
Date: 6/6/2005
Status Description: Completion Statement Received

Action: TCLASS
Status: TCEXT
RAO Class:
Date: 1/15/2016
Status Description: Tier Classification Extension

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/6/2009
Status Description: Status or Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/4/2011
Status Description: Status or Interim Report Received

Action: IRA
Status: STRCVD
RAO Class:
Date: 6/6/2006
Status Description: Status or Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 6/27/2013

Status Description: Status or Interim Report Received

Action: IRA
Status: PLANWR
RAO Class:
Date: 4/4/2003
Status Description: Written Plan Received

Action: IRA
Status: STRCVD
RAO Class:
Date: 11/26/2003
Status Description: Status or Interim Report Received

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 6/29/2012
Status Description: RMR Interim Report Received

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 7/10/2009
Status Description: RMR Interim Report Received

Action: IRA
Status: APWRIT
RAO Class:
Date: 2/11/2005
Status Description: Written Approval of Plan

Action: TCLASS
Status: T2EXT
RAO Class:
Date: 1/9/2008
Status Description: Tier 2 Extension (retired)

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 6/30/2010
Status Description: RMR Interim Report Received

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 4/20/2006
Status Description: Follow-up Office Response

Action: RNF
Status: REPORT
RAO Class:
Date: 4/26/2002
Status Description: Reportable Release under MGL 21E

Action: TCLASS
Status: TCEXT
RAO Class:
Date: 1/8/2018
Status Description: Tier Classification Extension

Action: PHASEI
Status: CSRCVD
RAO Class:
Date: 3/5/2003
Status Description: Completion Statement Received

Action: PHASIV

Status: RMRINT
RAO Class:
Date: 1/2/2013
Status Description: RMR Interim Report Received

Action: TCLASS
Status: T2EXT
RAO Class:
Date: 1/21/2009
Status Description: Tier 2 Extension (retired)

Action: RLFA
Status: FLDRUN
RAO Class:
Date: 11/8/2005
Status Description: Compliance Field Response - Unannounced

Action: PHASII
Status: SOW
RAO Class:
Date: 12/8/2003
Status Description: Scope of Work Received

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 1/6/2009
Status Description: RMR Interim Report Received

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 1/6/2014
Status Description: RMR Interim Report Received

Action: RAO
Status: RMRINT
RAO Class:
Date: 1/8/2018
Status Description: RMR Interim Report Received

Action: TCLASS
Status: T2EXT
RAO Class:
Date: 1/14/2014
Status Description: Tier 2 Extension (retired)

Action: PHASIV
Status: PLANWR
RAO Class:
Date: 2/15/2006
Status Description: Written Plan Received

Action: TCLASS
Status: RECPT
RAO Class:
Date: 3/5/2003
Status Description: Transmittal, Notice, or Notification Received

Action: TCLASS
Status: T2EXT
RAO Class:
Date: 1/10/2012
Status Description: Tier 2 Extension (retired)

Action: IRA
Status: STRCVD
RAO Class:
Date: 6/3/2003

Status Description: Status or Interim Report Received

Action: IRA
Status: TSAUD
RAO Class:
Date: 6/6/2003
Status Description: Level I - Technical Screen Audit

Action: PHASII
Status: CSRCVD
RAO Class:
Date: 6/6/2005
Status Description: Completion Statement Received

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 7/5/2011
Status Description: RMR Interim Report Received

Action: IRA
Status: CSRCVD
RAO Class:
Date: 4/6/2005
Status Description: Completion Statement Received

Action: IRA
Status: STRCVD
RAO Class:
Date: 6/6/2005
Status Description: Status or Interim Report Received

Action: RAO-P
Status: RMRINT
RAO Class:
Date: 1/5/2017
Status Description: RMR Interim Report Received

Action: TCLASS
Status: T2EXT
RAO Class:
Date: 1/13/2010
Status Description: Tier 2 Extension (retired)

Action: RAO-P
Status: PSNRCD
RAO Class:
Date: 2/10/2015
Status Description: Permanent Solution with No Conditions

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 3/29/2006
Status Description: Follow-up Office Response

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 8/23/2013
Status Description: Follow-up Office Response

Action: NOR
Status: ALSENT
RAO Class:
Date: 1/17/2003
Status Description: Anniversary Letter Sent

Action: PHASIV

Status: STRCVD
RAO Class:
Date: 1/8/2018
Status Description: Status or Interim Report Received

Action: PHASIV
Status: ABCRCD
RAO Class:
Date: 1/7/2008
Status Description: As-Built Construction Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 7/10/2009
Status Description: Status or Interim Report Received

Action: C&E
Status: INTLET
RAO Class:
Date: 6/18/2013
Status Description: INTLET

Action: IRA
Status: TSAUD
RAO Class:
Date: 5/12/2005
Status Description: Level I - Technical Screen Audit

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 6/30/2017
Status Description: Status or Interim Report Received

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 5/1/2007
Status Description: Follow-up Office Response

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/4/2015
Status Description: Status or Interim Report Received

Action: PHASII
Status: REVRCD
RAO Class:
Date: 2/1/2010
Status Description: Revised Statement or Transmittal Received

Action: RAO-P
Status: RMRINT
RAO Class:
Date: 1/4/2015
Status Description: RMR Interim Report Received

Action: C&E
Status: INTLET
RAO Class:
Date: 2/19/2010
Status Description: INTLET

Action: C&E
Status: INTLET
RAO Class:
Date: 3/4/2008

Status Description: INTLET

Action: PHASIV
Status: RMRINT
RAO Class:
Date: 1/4/2011
Status Description: RMR Interim Report Received

Action: PHASIV
Status: STRCVD
RAO Class:
Date: 1/6/2014
Status Description: Status or Interim Report Received

Action: RAO-P
Status: RMRINT
RAO Class:
Date: 6/30/2015
Status Description: RMR Interim Report Received

Chemical Information

Chemical: COAL TAR
Amount: 4
Unit: INCH

Chemical: CHRYSENE
Amount: 8600
Unit: PPB

Chemical: 2-METHYLNAPHTHALENE
Amount: 5800
Unit: PPB

Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 3000
Unit: PPB

Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount:
Unit:

LSP Information

LSP: 6829
Name: ADAMIK, JAMES T

LSP: 7770
Name: KLAGES, KURT E

Response Action Information

Response Action Type: PHASII Phase 2
Status: REVRCD Revised Statement or Transmittal Received
Submittal Date: 02/01/2010
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 02/08/2005
RAO Class:
Activity Use Limitation:

Response Action Type: RNF Release Notification Form Received

Status: REPORT Reportable Release or Threat of Release
Submittal Date: 04/26/2002
RAO Class:
Activity Use Limitation:

Response Action Type: RAM Release Abatement Measure
Status: CSRCVD Completion Statement Received
Submittal Date: 02/06/2014
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 02/07/2003
RAO Class:
Activity Use Limitation:

Response Action Type: PHSIII Phase 3
Status: REVRCD Revised Statement or Transmittal Received
Submittal Date: 02/01/2010
RAO Class:
Activity Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: STRCVD Status or Interim Report Received
Submittal Date: 06/06/2006
RAO Class:
Activity Use Limitation:

Response Action Type: RAO-P Partial RAO for this RTN
Status: RMRINT RMR Interim Report Received
Submittal Date: 06/30/2017
RAO Class: C2
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 01/03/2002
RAO Class:
Activity Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: STRCVD Status or Interim Report Received
Submittal Date: 12/02/2005
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 03/06/2002
RAO Class:
Activity Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: TCEXT
Submittal Date: 01/15/2016
RAO Class:
Activity Use Limitation:

Response Action Type: PHASIV Phase 4
Status: STRCVD Status or Interim Report Received
Submittal Date: 06/30/2017
RAO Class:
Activity Use Limitation:

Response Action Type: RAO-P Partial RAO for this RTN
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 07/02/2015
RAO Class: PN

Activity Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 12/05/2006
RAO Class:
Activity Use Limitation:

Response Action Type: PHASEI Phase 1
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 01/04/2005
RAO Class:
Activity Use Limitation:

RAO Information

Class: C2
Method: 3
GW Category: 2
Soil Category: 1

Class: PN
Method: 1
GW Category: 1
Soil Category: 1

Tier Classification Details

RTN Total: 277
NRS II: 55
NRS III: 137
NRS IV: 10
NRS V: 75
NRS VI: 0
Zone 2: N
Imminent Hazard: N

Location Information

Location: RESIDNTIAL

Location: COMMERCIAL

Source Information

Source: UNKNOWN

20	*3 of 6*	*ENE*	*0.10 / 508.01*	*183.10 / 11*	*FORMER AMHERST GAS WORKS* *36 PELHAM RD* *AMHERST MA*	*OIL & HAZ MAT*

RTN: 1-0014253
Status: TIERII
Region - Office Location: Western Region - Springfield
Site Info: https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=1-0014253

Location Documentation Table

Primary Source Material Code: MS_SITE
Prim Source Mat Code Desc: Detailed Site plan or map
Secondary Source Mat Code: AP_DOQ
Sec Source Mat Code Desc: MassGIS 1:5,000 digital orthophotography

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tertiary Source Mat Code:
Tertiary Source Mat Code Desc:
Location Type Code: CL
Location Type Desc: Center of property lot or parcel associated with a facility/site address
Location Method Code: MAP
Location Method Desc: Interpolation - Map
Location Accuracy Est Code: 100
Location Accuracy Est Desc: Estimated horizontal accuracy is +/-16 - +/-100 feet
Location Base Map Code: DOQ
Location Base Map Desc: Digital orthophoto base map (DOQ)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	4 of 6	ENE	0.10 / 508.01	183.10 / 11	RESIDENTIAL 36 PELHAM ROAD AMHERST MA	ASBESTOS PROJECT

Project ID: 100208279
Form Type: ANF-001
Project Type: Renv
Project Start Dt: 10/7/2014
Project End Dt: 10/9/2014
Owner Name: JUDITH LUDDY
Owner address: 36 PELHAM ROAD
DLS Contractor: A & E ENVIRONMENTAL INC
DLS Contractor ID: AC000326
Site Supervisor: JOSE M DIPRE-ROJAS
Site Supervisor ID: AS901282

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	5 of 6	ENE	0.10 / 508.01	183.10 / 11	36 PELHAM ROAD 36 PELHAM ROAD AMHERST MA	ASBESTOS PROJECT

Project ID: 100208634
Form Type: ANF-001
Project Type: Renv
Project Start Dt: 10/15/2014
Project End Dt: 10/16/2014
Owner Name: FRED LUDDY
Owner address: 36 PELHAM ROAD
DLS Contractor: ULTIMATE ABATEMENT INC
DLS Contractor ID: AC000476
Site Supervisor: GEOVANNI BARBOSA
Site Supervisor ID: AS071471

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	6 of 6	ENE	0.10 / 508.01	183.10 / 11	RESIDENTIAL 36 PELHAM ROAD AMHERST MA	ASBESTOS PROJECT

Project ID: 100208279R1
Form Type: ANF-001
Project Type: Renv
Project Start Dt: 10/7/2014
Project End Dt: 10/9/2014
Owner Name: JUDITH LUDDY
Owner address: 36 PELHAM ROAD
DLS Contractor: A & E ENVIRONMENTAL INC
DLS Contractor ID: AC000326
Site Supervisor: JOSE M DIPRE-ROJAS
Site Supervisor ID: AS901282

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	1 of 2	SSW	0.10 / 512.25	173.56 / 1	RENS USED CARS-REYNOLD GLADU 48 BELCHERTOWN ROAD AMHERST MA	ASBESTOS PROJECT

Project ID: 100213878
Form Type: ANF-001
Project Type: Renv
Project Start Dt: 1/23/2015
Project End Dt: 1/23/2015
Owner Name: REYNOLD GLADU
Owner address: 48 BELCHERTOWN ROAD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: DAN BUTTS
Site Supervisor ID: AS073674

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21 | **2 of 2** | **SSW** | **0.10 / 512.25** | **173.56 / 1** | **RENS USED CARS-REYNOLD GLADU**
48 BELCHERTOWN ROAD
AMHERST MA | **ASBESTOS PROJECT**

Project ID: 100213878R1
Form Type: ANF-001
Project Type: Renv
Owner Name: REYNOLD GLADU
Owner address: 48 BELCHERTOWN ROAD
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: DAN BUTTS
Site Supervisor ID: AS073674
Project Start Dt: 1/28/2015
Project End Dt: 1/28/2015

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22 | **1 of 1** | **WSW** | **0.11 / 555.48** | **179.37 / 7** | **PAUL SHUMWAY**
328 COLLEGE STREET
AMHERST MA | **ASBESTOS PROJECT**

Project ID: 100338472
Form Type: ANF-001
Project Type: Renv
Owner Name: PAUL SHUMWAY
Owner address: 293 AMHERST ROAD
DLS Contractor: ABIDE INC
DLS Contractor ID: AC000254
Site Supervisor: LARRY A. HOLLAND
Site Supervisor ID: AS070101
Project Start Dt: 12/22/2020
Project End Dt: 12/23/2020

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23 | **1 of 1** | **NNW** | **0.11 / 590.80** | **186.60 / 14** | **MULTI-FAMILY HOME**
45 NORTHEAST ST
AMHERST MA | **RELEASE**

RTN: 1-0014159
Compliance Date: 01/23/2002
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/25/2001
Source: UST
Reporting Category: 72 HR
Site (EEA Data): MULTI-FAMILY HOME
Rel Add(EEA Data): 45 NORTHEAST ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0014159
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0014159
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: A2
Chemical Type:
Location Type: RESIDNTIAL
Site Name (BWSC): MULTI-FAMILY HOME
Address (BWSC): 45 NORTHEAST ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: #2 FUEL
Amount: 230
Units: PPM

Action Information (BWSC)

Status: RAORCD ***Action:*** RAO
Date: 23-Jan-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 23-Jan-2002
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 25-Oct-2001
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***Action:*** IRA
Date: 25-Oct-2001
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO
Date: 21-Jun-2004
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR ***Action:*** IRA
Date: 23-Jan-2002
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 02-Nov-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORMD ***Action:*** IRA
Date: 14-Nov-2001
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 23-Jan-2002
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Prim ID: **Category:** 72 HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 23-Jan-2002 **OHM:**
OFC Notification: 25-Oct-2001
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

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24 *1 of 4* **SW** *0.12 / 607.30* *180.27 / 8* **RESIDENCE**
133 SOUTH EAST ST
AMHERST MA
ASBESTOS PROJECT

Project ID: 100311533R2 **Project Start Dt:** 7/31/2019
Form Type: ANF-001 **Project End Dt:** 8/5/2019
Project Type: Repr,Renv
Owner Name: AMIR MIKHCHI
Owner address: 43 BELCHERTOWN ROAD
DLS Contractor: ASSOCIATED CONTRACTORS WRECKERS INC
DLS Contractor ID: AC000898
Site Supervisor: JAMES BEAUDRY
Site Supervisor ID: AS074322

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24 *2 of 4* **SW** *0.12 / 607.30* *180.27 / 8* **RESIDENTIAL**
133 SOUTH EAST ST
AMHERST MA
ASBESTOS PROJECT

Project ID: 100313420 **Project Start Dt:** 8/19/2019
Form Type: AQ-06 **Project End Dt:** 2/28/2020
Project Type:
Owner Name: AMIR MIKHCHI
Owner address: 43 BELCHERTOWN RD
DLS Contractor:
DLS Contractor ID:
Site Supervisor:
Site Supervisor ID:

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24 *3 of 4* **SW** *0.12 / 607.30* *180.27 / 8* **RESIDENCE**
133 SOUTH EAST ST
AMHERST MA
ASBESTOS PROJECT

Project ID: 100311533 **Project Start Dt:** 7/22/2019
Form Type: ANF-001 **Project End Dt:** 8/5/2019
Project Type: Repr,Renv
Owner Name: AMIR MIKHCHI
Owner address: 43 BELCHERTOWN ROAD
DLS Contractor: ASSOCIATED CONTRACTORS WRECKERS INC
DLS Contractor ID: AC000898
Site Supervisor: JAMES BEAUDRY
Site Supervisor ID: AS074322

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24 *4 of 4* **SW** *0.12 / 607.30* *180.27 / 8* **RESIDENCE**
133 SOUTH EAST ST
AMHERST MA
ASBESTOS PROJECT

Project ID: 100311533R1 **Project Start Dt:** 8/5/2019
Form Type: ANF-001 **Project End Dt:** 8/9/2019
Project Type: Repr,Renv
Owner Name: AMIR MIKHCHI
Owner address: 43 BELCHERTOWN ROAD
DLS Contractor: ASSOCIATED CONTRACTORS WRECKERS INC
DLS Contractor ID: AC000898
Site Supervisor: JAMES BEAUDRY

Site Supervisor ID: AS074322

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25 | **1 of 2** | **NW** | **0.12 / 636.20** | **188.77 / 16** | **MULTI-FAMILY HOME**
45 NORTHEAST ST
AMHERST MA | **LST**

Site No: 1-0014159
Source: UST
Release Type: RAO
Chemical Type:
Category: 72 HR
Initial Status Dt: 10/25/2002
Official Notifi Dt: 10/25/2001
Current Date: 1/23/2002
ROA Class: A2
Phase:

ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Phase Desc:

Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0014159
Location Type: RESIDNTIAL

Chemicals Information

Chemical: #2 FUEL
Amount: 230
Units: PPM

Response Action

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 06/21/2004
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation: NONE

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 01/23/2002
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 01/23/2002
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/25/2001
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: 9996
LSP Name: GERMANO, MARK A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Detail

Class: A2
Method: 1
GW Category: 1
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	2 of 2	NW	0.12 / 636.20	188.77 / 16	MULTI-FAMILY HOME 45 NORTHEAST ST AMHERST MA	SPILLS

RTN: 1-0014159
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 1/23/2002
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background
Chemical Type:
Release Type: RAO
Location Type: RESIDNTIAL
Category: 72 HR
Initial Status Date: 10/25/2002
Notification Date: 10/25/2001
Source: UST
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0014159
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: IRA
Status: CSRCVD
RAO Class: A2
Date: 1/23/2002
Status Description: Completion Statement Received

Action: RAO
Status: RAORCD
RAO Class: A2
Date: 1/23/2002
Status Description: RAO Statement Received (retired)

Action: IRA
Status: PLANWR
RAO Class: A2
Date: 1/23/2002
Status Description: Written Plan Received

Action: RNF
Status: REPORT
RAO Class: A2
Date: 1/23/2002
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: APORMD
RAO Class: A2
Date: 11/14/2001
Status Description: Oral Approval of a Modified Plan

Action: NOR
Status: ISSUED
RAO Class: A2
Date: 11/2/2001
Status Description: Correspondence Issued

Action: REL
Status: REPORT
RAO Class: A2
Date: 10/25/2001
Status Description: Reportable Release under MGL 21E

Action: RAO
Status: TSAUD
RAO Class: A2
Date: 6/21/2004
Status Description: Level I - Technical Screen Audit

Action: IRA
Status: APORAL
RAO Class: A2
Date: 10/25/2001
Status Description: Oral Approval of Plan or Action

Chemical Information

Chemical: #2 FUEL
Amount: 230
Unit: PPM

LSP Information

LSP: 9996
Name: GERMANO, MARK A

Response Action Information

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 01/23/2002
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 06/21/2004
RAO Class: A2
Activity Use Limitation: NONE

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 01/23/2002
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/25/2001
RAO Class:
Activity Use Limitation:

RAO Information

Class: A2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method: 1
GW Category: 1
Soil Category: 1

Location Information

Location: RESIDNTIAL

Source Information

Source: UST

26	1 of 1	WNW	0.12 / 640.15	187.97 / 15	RESIDENTIAL 710 MAIN STREET AMHERST MA	ASBESTOS PROJECT

Project ID: 100246685
Form Type: ANF-001
Project Type: Renv
Owner Name: TRACY WALKER
Owner address: 121 GULF ROAD
DLS Contractor: TOP NOTCH ABATEMENT
DLS Contractor ID: AC000820
Site Supervisor: RUSS ORCUTT
Site Supervisor ID: AS070983
Project Start Dt: 7/27/2016
Project End Dt: 8/1/2016

27	1 of 2	WSW	0.12 / 646.48	180.20 / 8	SUMMERLIN FLOORING 322 COLLEGE STREET (ROUTE 9) AMHERST MA	LAST

RTN: 1-0018112
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 05/10/2011
Notification Date: 02/07/2011
RAO Class: A2
Chemical Type: Oil
Reporting Category: TWO HR
Site Name (EEA Data Portal): SUMMERLIN FLOORING
Release Add (EEA Data Portal): 322 COLLEGE STREET (ROUTE 9)
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0018112
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0018112
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): COMMERCIAL
Site Name (BWSC): SUMMERLIN FLOORING
Address (BWSC): 322 COLLEGE STREET (ROUTE 9)
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
Source(s): AST

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 10-May-2011
OFC Notification: 07-Feb-2011
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: TWO HR
Phase:
RAO Class: A2
OHM: Oil

Chemical Information

Chemical: #2 FUEL OIL

Amount: 225
Units: GAL

Action Information

Status: ISSUED ***Action:*** NOR
Date: 10-Feb-2011
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 10-May-2011
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 07-Feb-2011
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN ***Action:*** RLFA
Date: 15-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 17-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 10-May-2011
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN ***Action:*** RLFA
Date: 07-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN ***Action:*** RLFA
Date: 08-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***Action:*** BOL
Date: 14-Feb-2011
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: SHPFAC **Action:** BOL
Date: 10-May-2011
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 16-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 07-Feb-2011
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORMD **Action:** IRA
Date: 17-Feb-2011
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 15-Aug-2011
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1A **Action:** RLFA
Date: 07-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
27	2 of 2	WSW	0.12 / 646.48	180.20 / 8	SUMMERLIN FLOORING 322 COLLEGE STREET (ROUTE 9) AMHERST MA	RELEASE

RTN: 1-0018112 **Phase:**
Compliance Date: 05/10/2011 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** COMMERCIAL
Notification Date: 02/07/2011 **Site Name (BWSC):** SUMMERLIN FLOORING
Source: AST **Address (BWSC):** 322 COLLEGE STREET (ROUTE 9)
Reporting Category: TWO HR **Town (BWSC):** AMHERST
Site (EEA Data): SUMMERLIN FLOORING **Zip Code (BWSC):**
Rel Add(EEA Data): 322 COLLEGE STREET (ROUTE 9) **OFC Town (BWSC):** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0018112
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0018112
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 225

Units: GAL

Action Information (BWSC)

Status: APORAL ***Action:*** IRA
Date: 07-Feb-2011
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN ***Action:*** RLFA
Date: 15-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORMD ***Action:*** IRA
Date: 17-Feb-2011
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO
Date: 15-Aug-2011
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1A ***Action:*** RLFA
Date: 07-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN ***Action:*** RLFA
Date: 08-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 17-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 07-Feb-2011
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***Action:*** BOL
Date: 14-Feb-2011
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA

Date: 10-May-2011
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 10-May-2011
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 10-Feb-2011
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 07-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: SHPFAC **Action:** BOL
Date: 10-May-2011
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 16-Feb-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: TWO HR
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 10-May-2011
OHM: Oil
OFC Notification: 07-Feb-2011
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

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28 | ***1 of 3*** | ***WNW*** | ***0.13 / 678.99*** | ***188.18 / 16*** | ***RENTAL PROPERTY UST REMOVAL***
711 MAIN STREET
AMHERST MA 01002-0000 | ***LST***

Site No: 1-0020140
Source: UST,USTOTHER
Release Type: PSNC
Chemical Type:
Category: 72 HR
ROA Class Desc: Permanent Solution with No Conditions
Phase Desc:
Release Type Desc: Permanent Solution with No Conditions
Status Desc: Permanent Solution with No Conditions
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0020140
Initial Status Dt: 12/2/2017
Official Notifi Dt: 12/2/2016
Current Date: 1/16/2017
ROA Class: PN
Phase:

Location Type: PRIVPROP,RESIDNTIAL

Chemicals Information

Chemical:
Amount:
Units:

Response Action

Response Action Type: IRA Immediate Response Action
Status: APORAL Oral Approval of Plan or Action
Submittal Date: 12/02/2016
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/02/2016
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 05/31/2017
RAO Class: PN
RAO Description: Permanent Solution with No Conditions
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/03/2016
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: 6442
LSP Name: WEISS, ALAN E

RAO Detail

Class: PN
Method: 1
GW Category: N
Soil Category: 1
RAO Description: Permanent Solution with No Conditions

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
28	2 of 3	WNW	0.13 / 678.99	188.18 / 16	RENTAL PROPERTY UST REMOVAL 711 MAIN STREET AMHERST MA	LUST

RTN: 1-0020140
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Compliance Date: 01/16/2017
Notification Date: 12/02/2016
RAO Class: PN
Chemical Type:

Phase:
Location Type(s): PRIVPROP, RESIDNTIAL
Site Name (BWSC): RENTAL PROPERTY UST REMOVAL
Address (BWSC): 711 MAIN STREET
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST

Reporting Category: 72 HR
Source(s): UST, USTOTHER
Site Name (EEA Data Portal): RENTAL PROPERTY UST REMOVAL
Release Add (EEA Data Portal): 711 MAIN STREET
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0020140
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0020140
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:
Category: 72 HR
Current Status: PSNC
Phase:
Current Status Desc: Permanent Solution with No Conditions
RAO Class: PN
Current Date: 16-Jan-2017
OHM:
OFC Notification: 02-Dec-2016
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

Action Information

Status: TSAUD
Action: RAO
Date: 31-May-2017
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDD1A
Action: RLFA
Date: 02-Dec-2016
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDRAN
Action: RLFA
Date: 14-Dec-2016
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SHPFAC
Action: BOL
Date: 16-Jan-2017
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT
Action: RNFE
Date: 16-Jan-2017
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL
Action: IRA
Date: 03-Dec-2016
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT
Action: BOL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 10-Dec-2016
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED **Action:** NOR
Date: 06-Dec-2016
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL **Action:** IRA
Date: 02-Dec-2016
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 02-Dec-2016
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD **Action:** RAO
Date: 16-Jan-2017
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 03-Dec-2016
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
28	3 of 3	WNW	0.13 / 678.99	188.18 / 16	RENTAL PROPERTY UST REMOVAL 711 MAIN STREET AMHERST MA	RELEASE

RTN: 1-0020140
Compliance Date: 01/16/2017
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 12/02/2016
Source: UST, USTOTHER
Reporting Category: 72 HR
Site (EEA Data): RENTAL PROPERTY UST REMOVAL
Rel Add(EEA Data): 711 MAIN STREET
Town (EEA Data): AMHERST
Phase:
RAO Class: PN
Chemical Type:
Location Type: PRIVPROP, RESIDNTIAL
Site Name (BWSC): RENTAL PROPERTY UST REMOVAL
Address (BWSC): 711 MAIN STREET
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0020140
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0020140
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Action Information (BWSC)

Status: PSNRCD **Action:** RAO
Date: 16-Jan-2017

Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **Action:** RAO
Date: 31-May-2017
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 03-Dec-2016
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL **Action:** IRA
Date: 03-Dec-2016
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 02-Dec-2016
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **Action:** RNFE
Date: 16-Jan-2017
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **Action:** BOL
Date: 10-Dec-2016
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SHPFAC **Action:** BOL
Date: 16-Jan-2017
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDRAN **Action:** RLFA
Date: 14-Dec-2016
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED **Action:** NOR
Date: 06-Dec-2016
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDD1A **Action:** RLFA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 02-Dec-2016
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL **Action:** IRA
Date: 02-Dec-2016
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID:
Category: 72 HR
Current Status: PSNC
Phase:
Current St Desc: Permanent Solution with No Conditions
RAO Class: PN
Current Date: 16-Jan-2017
OHM:
OFC Notification: 02-Dec-2016
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

29	1 of 1	W	0.18 / 929.00	190.95 / 18	SALEM PLACE MAIN ST SALEM ST AMHERST MA	RELEASE

RTN: 1-0000253
Compliance Date: 07/23/1993
Compliance Status: DEPNFA
Compl Status Desc: DEP No Further Action
Notification Date: 07/15/1987
Source: UNCONTAIN
Reporting Category: NONE
Site (EEA Data): SALEM PLACE
Rel Add(EEA Data): MAIN ST SALEM ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000253
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000253
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class:
Chemical Type:
Location Type: OPENSPACE
Site Name (BWSC): SALEM PLACE
Address (BWSC): MAIN ST SALEM ST
Town (BWSC): AMHERST
Zip Code (BWSC): 01002
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: DEPNFA **Action:** TREGS
Date: 23-Jul-1993
Action Description:
Status Description: No Further Action - DEP
RAO Class:
RAO Class Desc:

Status: TCTRNS **Action:** REL
Date: 15-Jul-1987
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc:

Status: REMSIT
Date: 23-Jul-1993
Action Description:
Status Description:
RAO Class:
RAO Class Desc:
Action: TREGS

Status: WAVREC
Date: 03-Feb-1990
Action Description:
Status Description:
RAO Class:
RAO Class Desc:
Action: TREGS

Status: WAVDN
Date: 03-Feb-1990
Action Description:
Status Description:
RAO Class:
RAO Class Desc:
Action: TREGS

Release (BWSC) Detail

Prim ID:
Current Status: DEPNFA
Current St Desc: DEP No Further Action
Current Date: 23-Jul-1993
OFC Notification: 15-Jul-1987
Phase Desc:
RAO Class Desc:
Other Rela:
Category: NONE
Phase:
RAO Class:
OHM:

30	*1 of 7*	*W*	*0.19 / 980.15*	*184.60 / 12*	***MONTAGUE CITY ROAD TERMINALS LLC 60 Shumay St Amherst MA 01002***	***AST***

License No: OSFM-00034
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/1/2021
Gross Capacity: 21033
Unit: GALLONS

30	*2 of 7*	*W*	*0.19 / 980.15*	*184.60 / 12*	***MONTAGUE CITY ROAD TERMINALS LLC 60 Shumay St Amherst MA 01002***	***AST***

License No: OSFM-00035
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/1/2021
Gross Capacity: 21033
Unit: GALLONS

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30 | ***3 of 7*** | ***W*** | ***0.19 / 980.15*** | ***184.60 / 12*** | ***MONTAGUE CITY ROAD TERMINALS LLC 60 Shumay St Amherst MA 01002*** | ***AST***

License No: OSFM-00036
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/1/2021
Gross Capacity: 21033
Unit: GALLONS

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30 | ***4 of 7*** | ***W*** | ***0.19 / 980.15*** | ***184.60 / 12*** | ***MONTAGUE CITY ROAD TERMINALS LLC 60 Shumay St Amherst MA 01002*** | ***AST***

License No: OSFM-00037
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/1/2021
Gross Capacity: 21033
Unit: GALLONS

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30 | ***5 of 7*** | ***W*** | ***0.19 / 980.15*** | ***184.60 / 12*** | ***MONTAGUE CITY ROAD TERMINALS LLC 60 Shumay St Amherst MA 01002*** | ***AST***

License No: OSFM-00038
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/1/2021
Gross Capacity: 21033
Unit: GALLONS

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30 | ***6 of 7*** | ***W*** | ***0.19 / 980.15*** | ***184.60 / 12*** | ***MONTAGUE CITY ROAD TERMINALS LLC 60 Shumay St Amherst MA 01002*** | ***AST***

License No: OSFM-00039
Owner Name: Steve Beauregard, General Manager

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/1/2021
Gross Capacity: 21033
Unit: GALLONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	7 of 7	W	0.19 / 980.15	184.60 / 12	MONTAGUE CITY ROAD TERMINALS LLC 60 Shumay St Amherst MA 01002	AST

License No: OSFM-02961
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 5/28/2020
Expire Date: 5/28/2025
Gross Capacity: 30000
Unit: GALLONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	1 of 4	W	0.21 / 1,086.86	186.00 / 13	ALBANY STREET TERMINALS LLC 60 Shumway St Amherst MA 01002	AST

License No: OSFM-01622
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/2/2021
Gross Capacity: 1008000
Unit: GALLONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	2 of 4	W	0.21 / 1,086.86	186.00 / 13	ALBANY STREET TERMINALS LLC 60 Shumway St Amherst MA 01002	AST

License No: OSFM-01623
Owner Name: Steve Beauregard, General Manager
Owner Addr 2:
Owner Addr 3:
Owner State: MA

Detail(s)

License Status: Active
License Type: AST Use Permit
Last Insp Date: 10/7/2016
Expire Date: 12/2/2021
Gross Capacity: 1474200
Unit: GALLONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	3 of 4	W	0.21 / 1,086.86	186.00 / 13	NATIONAL HEATING COMPANY INC 60 SHUMWAY ST AMHERST MA	UST

Facility ID: 169
Owner ID: 651
Facility Status: CLOSED
Facility Type:
Facility Name: NATIONAL HEATING COMPANY INC
Fac Addr 1: 60 SHUMWAY ST
Facility Address 2:
Facility City: AMHERST
Fac Zip: 01002
Facility Lat: 42.37348
Facility Long: -72.5045
Source: UST facility data from the MassDEP UST Program (FOIA request); Closed Facilities from the searchable UST database made available by the MassDEP UST Program

Facility Contact: Ben Surner
Facility Phone:
Fac Name (Web): NATIONAL HEATING COMPANY INC
Fac Address (Web): 60 SHUMWAY ST
Fac City (Web): AMHERST
Facility ZIP(Web): 01002
Fac Status (Web): CLOSED
Fac Name (Map):
Address (Map):
City (Map):

Facility Information Details

Contact Addr 1: 983 Page Blvd
Contact Addr 2:
Contact City: Springfield
Contact State: MA
Contact ZIP: 01104

Contact Phone: 4132373565
Contact Email: ben@bensurner.com
Update Date: 2/6/2009
Update By:

Searchable UST Facility Details

Last Inspection Dt:
Next Insp Due Date:
Last Cert Compl Dt:
Next Cert Compl Due:

Owner Name: BEN SURNER JR
Owner Contact Name: Ben Surner
Operator Name: BEN SURNER JR
Oper Contact Name: Ben Surner

Owner Infomation

Owner Name: BEN SURNER JR
Owner Addr 1: 3640 MAIN ST
Owner Addr 2: PO BOX 70057
Owner City Town: SPRINGFIELD
Owner State: MA
Owner ZIP: 01107
Orginization Type: Private
FR Type:
Business: Sole proprietor

Contact Name: Ben Surner
Contact Addr 1: 983 Page Blvd
Contact Addr 2:
Contact City Town: Springfield
Contact State: MA
Contact ZIP: 01104
Contact Phone: 4132373565
Contact E Mail: ben@bensurner.com

Tanks Information

Tank ID: 1
Install Date: 5/7/1970
Status: Tank Removed
Status Date: 7/1/1999
Use Type:
Content: Bulk Heating or Fuel Oil (#2,#4,#6)
Capacity: 1000
No of Compartment:
Latitude:
Longitude:
Auto Line Lk Dtect:
Pipe Install Date:
Pipe Type:
Pipe Construct: Single-walled metal (Corrosion protection required)
Pipe Leak Detect:
Pipe Leak Install:

Submersible Sump: NO
Submer Sump Instl:
Turbine Sump: NO
Turb Sump Sensor: NO
Intermediate Sump: NO
Interm Sump Sensor: NO
Spl Buck Installed:
Spill Bucket Sens: NO
Overf Prot Instled:
Overfill Prot Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Construct: Single-walled metal tank (cathodic protection required)
Tank Leak Detect:
Tank Corrosion Type:
Leak Corrosion Type:

31	4 of 4	W	0.21 / 1,086.86	186.00 / 13	SURNER HEATING CO INC 60 SHUMWAY ST AMHERST MA 01002	RCRA VSQG

EPA Handler ID: MAD019164326
Gen Status Universe: VSG
Contact Name: BRUCE D MONTAGUE
Contact Address: 60 , SHUMWAY ST , , AMHERST , MA, 01002 , US
Contact Phone No and Ext: 413-253-5999
Contact Email: BMONTAGUE@SURNERHEAT.COM
Contact Country: US
County Name: HAMPSHIRE
EPA Region: 01
Land Type: Private
Receive Date: 20200408
Location Latitude: 42.37432
Location Longitude: -72.504925

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19861126
Handler Name: NATL HEATING CO INC
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20200408
Handler Name: SURNER HEATING CO INC
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: NATIONAL HEATING CO INC
Date Became Current: 20041016
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1: 60 SHUMWAY ST
Street 2:
City: AMHERST
State: MA
Country: US
Zip Code: 01002

Owner/Operator Ind: Current Owner
Type: Private
Name: SURNER HEATING CO INC
Date Became Current: 20200320
Date Ended Current:
Phone:
Source Type: Notification
Street No: 60
Street 1: SHUMWAY ST
Street 2:
City: AMHERST
State: MA
Country: US
Zip Code: 01002

Owner/Operator Ind: Current Operator
Type: Private
Name: SURNER HEATING CO INC
Date Became Current: 20200320
Date Ended Current:
Phone:
Source Type: Notification
Street No: 60
Street 1: SHUMWAY ST
Street 2:
City: AMHERST
State: MA
Country: US
Zip Code: 01002

Owner/Operator Ind: Current Operator
Type: Private
Name: NATL HEATING CO INC
Date Became Current: 19911208
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1: 60 SHUMWAY ST
Street 2:
City: AMHERST
State: MA
Country: US
Zip Code: 01002

Historical Handler Details

Receive Dt: 19861126
Generator Code Description: Not a Generator, Verified
Handler Name: NATL HEATING CO INC

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32 | ***1 of 7*** | ***WSW*** | ***0.23 / 1,208.59*** | ***185.61 / 13*** | ***AMHERST TIRE CENTER INC***
292 COLLEGE ST
AMHERST MA | ***UST***

Facility ID: 184
Owner ID: 299
Facility Status: CLOSED
Facility Type: Non-Retail Motor Vehicle Fuel Dispensing
Facility Name: AMHERST TIRE CENTER INC
Fac Addr 1: 292 COLLEGE ST
Facility Address 2:
Facility City: AMHERST
Fac Zip: 01002
Facility Contact:
Facility Phone:
Fac Name (Web): AMHERST TIRE CENTER INC
Fac Address (Web): 292 COLLEGE ST
Fac City (Web): AMHERST
Facility ZIP(Web): 01002
Fac Status (Web): CLOSED
Fac Name (Map):
Address (Map):

Facility Lat: 42.37325 ***City (Map):***
Facility Long: -72.50516
Source: UST facility data from the MassDEP UST Program (FOIA request); Closed Facilities from the searchable UST database made available by the MassDEP UST Program

Facility Information Details

Contact Addr 1: ***Contact Phone:***
Contact Addr 2: ***Contact Email:***
Contact City: ***Update Date:*** 2/9/2009
Contact State: ***Update By:***
Contact ZIP:

Searchable UST Facility Details

Last Inspection Dt: ***Owner Name:*** AMHERST TIRE CENTER INC
Next Insp Due Date: ***Owner Contact Name:***
Last Cert Compl Dt: ***Operator Name:*** AMHERST TIRE CENTER INC
Next Cert Compl Due: ***Oper Contact Name:***

Owner Infomation

Owner Name: AMHERST TIRE CENTER INC ***Contact Name:***
Owner Addr 1: 292 COLLEGE ST ***Contact Addr 1:***
Owner Addr 2: ***Contact Addr 2:***
Owner City Town: PELHAM ***Contact City Town:***
Owner State: MA ***Contact State:***
Owner ZIP: 01002 ***Contact ZIP:***
Orginization Type: Private ***Contact Phone:***
FR Type: ***Contact E Mail:***
Business:

Tanks Information

Tank ID: 1 ***Submersible Sump:*** NO
Install Date: 3/6/1976 ***Submer Sump Instl:***
Status: Tank Removed ***Turbine Sump:*** NO
Status Date: 12/30/1990 ***Turb Sump Sensor:*** NO
Use Type: ***Intermediate Sump:*** NO
Content: Gasoline ***Interm Sump Sensor:*** NO
Capacity: 6700 ***Spl Buck Installed:***
No of Compartment: ***Spill Bucket Sens:*** NO
Latitude: ***Overf Prot Instled:***
Longitude: ***Overfill Prot Type:***
Auto Line Lk Dtect:
Pipe Install Date:
Pipe Type:
Pipe Construct:
Pipe Leak Detect:
Pipe Leak Install:
Tank Construct:
Tank Leak Detect:
Tank Corrosion Type:
Leak Corrosion Type:

Tank ID: 2 ***Submersible Sump:*** NO
Install Date: 3/6/1976 ***Submer Sump Instl:***
Status: Tank Removed ***Turbine Sump:*** NO
Status Date: 12/30/1990 ***Turb Sump Sensor:*** NO
Use Type: ***Intermediate Sump:*** NO
Content: Gasoline ***Interm Sump Sensor:*** NO
Capacity: 4000 ***Spl Buck Installed:***
No of Compartment: ***Spill Bucket Sens:*** NO
Latitude: ***Overf Prot Instled:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:			
Tank Corrosion Type:			
Leak Corrosion Type:			

Tank ID:	3	**Submersible Sump:**	NO
Install Date:	3/6/1976	**Submer Sump Instl:**	
Status:	Tank Removed	**Turbine Sump:**	NO
Status Date:	12/30/1990	**Turb Sump Sensor:**	NO
Use Type:		**Intermediate Sump:**	NO
Content:	Gasoline	**Interm Sump Sensor:**	NO
Capacity:	5000	**Spl Buck Installed:**	
No of Compartment:		**Spill Bucket Sens:**	NO
Latitude:		**Overf Prot Instled:**	
Longitude:		**Overfill Prot Type:**	
Auto Line Lk Dtect:			
Pipe Install Date:			
Pipe Type:			
Pipe Construct:			
Pipe Leak Detect:			
Pipe Leak Install:			
Tank Construct:			
Tank Leak Detect:			
Tank Corrosion Type:			
Leak Corrosion Type:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	2 of 7	WSW	0.23 / 1,208.59	185.61 / 13	AMHERST TIRE CENTER 292 COLLEGE STREET AMHERST MA	HIST LUST

Spill ID:	W90-0628	**Repo Units Spilled:**	----------
Site ID:	1-0852	**Act. Qty Spilled:**	----------
Case Closed:	YES	**Act. Units Spilled:**	----------
LUST:	YES	**Spill Date:**	10/5/1990
Incident:	TANK REMOVAL	**Spill Time:**	
Other Incident:		**Rport Date:**	10/5/1990
Source:	U.S.T.	**Rport Time:**	10:00AM
Other Source:		**Notifier:**	PAUL LALONDE - AMHERST FIRE DEPARTMENT
Petro/Hazardous:	PETROLEUM	**Notifier Phone:**	
Virgin/Waste:	VIRGIN	**First IR Form:**	10/5/1990
Material:	GASOLINE	**Staff Lead:**	SLOWICK, D
Other Material:		**Category:**	
Enviro Impact:	SOIL	**Days For Case:**	13
Other Env. Impact:		**Report pre by:**	
Contaminated Soil:		**Contractor:**	NOT USED
PCB Ranges:	NONE	**Referral Divisions:**	SA
Reported Qty Spilled:	UNKNOWN		
CAS # for Haz Waste:			
SPL Info. 1st Entered:			
SPL Info. Last Entered:	11/6/1990		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	3 of 7	WSW	0.23 / 1,208.59	185.61 / 13	AMHERST TIRE CENTER 292 COLLEGE ST AMHERST MA	AUL

RTN:	1-0000852	**Phase:**	PHASE IV
Compliance Status:	RAO	**Location Type(s):**	COMMERCIAL, FORMER, GASSTATION
Compl Status Desc:	Response Action Outcome	**Site Name (BWSC):**	AMHERST TIRE CENTER

Compliance Date: 02/15/2002
Notification Date: 01/15/1991
RAO Class: B2
Chemical Type: Oil
Reporting Category: NONE
Address (BWSC): 292 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC): 01002
OFC Town (BWSC): AMHERST
Source(s): UST
Site Name (EEA Data Portal): AMHERST TIRE CENTER
Release Add (EEA Data Portal): 292 COLLEGE ST
City/Town (EEA Data Portal): AMHERST
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000852
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000852
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 15-Feb-2002
OFC Notification: 15-Jan-1991
Category: NONE
Phase: PHASE IV
RAO Class: B2
OHM: Oil
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Other Rela:

Chemical Information

Chemical: PETROLEUM
Amount:
Units:

Action Information

Status: NAFNON
Date: 15-Jun-2010
Action: AUDCOM
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI
Date: 20-May-2003
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FOLOFF
Date: 15-Sep-2010
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD
Date: 10-Mar-2003
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is

contingent upon one or more AULs that have been implemented.

Status: CSRCVD ***Action:*** PHASEI
Date: 01-Aug-1996
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FEEREC ***Action:*** RAO
Date: 19-Feb-2002
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TIERII ***Action:*** TCLASS
Date: 17-Dec-1997
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI ***Action:*** AUL
Date: 12-Oct-2006
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: INTLET ***Action:*** C&E
Date: 24-Jun-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: INTLET ***Action:*** C&E
Date: 20-Oct-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD ***Action:*** RAO
Date: 23-Dec-2002
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 27-May-2010
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: STMRET ***Action:*** TREGS
Date: 23-Dec-1997
Action Description:

Status Description: Submittal Retracted
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 18-Apr-2019
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 17-Sep-2013
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RECPT **Action:** AUL
Date: 15-Feb-2002
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RFI **Action:** C&E
Date: 07-May-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD **Action:** PHSIII
Date: 15-Feb-2002
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 09-Apr-2019
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 04-Jun-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NOA **Action:** AUDCOM
Date: 07-May-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI **Action:** AUL
Date: 15-Jun-2010
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RAORCD **Action:** RAO
Date: 15-Feb-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RECPT **Action:** TCLASS
Date: 17-Dec-1997
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RAOEQ **Action:** TREGS
Date: 01-Aug-1996
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFVIO **Action:** AUDCOM
Date: 20-May-2003
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TCTRNS **Action:** REL
Date: 15-Jan-1991
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 28-Apr-2003
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI **Action:** AUL
Date: 17-Sep-2013
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NON **Action:** C&E
Date: 27-Jul-2001
Action Description:
Status Description:
RAO Class: B2

RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 10-Sep-2013
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 04-Oct-2006
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD ***Action:*** AUDCOM
Date: 12-Oct-2006
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI ***Action:*** AUL
Date: 18-Apr-2019
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD ***Action:*** AUL
Date: 23-Dec-2002
Action Description: Activity and Use Limitation
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD ***Action:*** PHASII
Date: 15-Feb-2002
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FEECRD ***Action:*** RAO
Date: 23-Jul-2003
Action Description: Response Action Outcome -RAO
Status Description: Fee Not Required - Fee Credited
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

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RTN: 1-0000852 ***Phase:*** PHASE IV
Compliance Status: RAO ***Location Type(s):*** COMMERCIAL, FORMER, GASSTATION
Compl Status Desc: Response Action Outcome ***Site Name (BWSC):*** AMHERST TIRE CENTER
Compliance Date: 02/15/2002 ***Address (BWSC):*** 292 COLLEGE ST
Notification Date: 01/15/1991 ***Town (BWSC):*** AMHERST
RAO Class: B2 ***Zip Code (BWSC):*** 01002

Chemical Type: Oil
OFC Town (BWSC): AMHERST
Reporting Category: NONE
Source(s): UST
Site Name (EEA Data Portal): AMHERST TIRE CENTER
Release Add (EEA Data Portal): 292 COLLEGE ST
City/Town (EEA Data Portal): AMHERST
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000852
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000852
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:
Category: NONE
Current Status: RAO
Phase: PHASE IV
Current Status Desc: Response Action Outcome
RAO Class: B2
Current Date: 15-Feb-2002
OHM: Oil
OFC Notification: 15-Jan-1991
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Other Rela:

Chemical Information

Chemical: PETROLEUM
Amount:
Units:

Action Information

Status: NAFVIO
Action: AUDCOM
Date: 20-May-2003
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FEECRD
Action: RAO
Date: 23-Jul-2003
Action Description: Response Action Outcome -RAO
Status Description: Fee Not Required - Fee Credited
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD
Action: AUDCOM
Date: 18-Apr-2019
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD
Action: AUDCOM
Date: 12-Oct-2006
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RECPT
Action: AUL

Date: 15-Feb-2002
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD **Action:** AUL
Date: 23-Dec-2002
Action Description: Activity and Use Limitation
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FEEREC **Action:** RAO
Date: 19-Feb-2002
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RECPT **Action:** TCLASS
Date: 17-Dec-1997
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TIERII **Action:** TCLASS
Date: 17-Dec-1997
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI **Action:** AUL
Date: 20-May-2003
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD **Action:** PHASEI
Date: 01-Aug-1996
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD **Action:** PHSIII
Date: 15-Feb-2002
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TCTRNS **Action:** REL
Date: 15-Jan-1991
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is

contingent upon one or more AULs that have been implemented.

Status: SNAUDI ***Action:*** AUL
Date: 17-Sep-2013
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: INTLET ***Action:*** C&E
Date: 24-Jun-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NON ***Action:*** C&E
Date: 27-Jul-2001
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RAORCD ***Action:*** RAO
Date: 15-Feb-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 09-Apr-2019
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 04-Jun-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FOLOFF ***Action:*** RLFA
Date: 15-Sep-2010
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: STMRET ***Action:*** TREGS
Date: 23-Dec-1997
Action Description:
Status Description: Submittal Retracted
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI ***Action:*** AUL
Date: 18-Apr-2019
Action Description: Activity and Use Limitation

Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI **Action:** AUL
Date: 12-Oct-2006
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD **Action:** PHASII
Date: 15-Feb-2002
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD **Action:** RAO
Date: 23-Dec-2002
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 28-Apr-2003
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NOA **Action:** AUDCOM
Date: 07-May-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: INTLET **Action:** C&E
Date: 20-Oct-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RFI **Action:** C&E
Date: 07-May-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 10-Sep-2013
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: FLDRUN **Action:** RLFA
Date: 04-Oct-2006
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 17-Sep-2013
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD **Action:** AUL
Date: 10-Mar-2003
Action Description: Activity and Use Limitation
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 27-May-2010
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNON **Action:** AUDCOM
Date: 15-Jun-2010
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI **Action:** AUL
Date: 15-Jun-2010
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RAOEQ **Action:** TREGS
Date: 01-Aug-1996
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Site No: 1-0000852 **Initial Status Dt:** 8/2/1996
Source: UST **Official Notifi Dt:** 1/15/1991
Release Type: RAO **Current Date:** 2/15/2002
Chemical Type: Oil **ROA Class:** B2
Category: NONE **Phase:** PHASE IV
ROA Class Desc: Site assessment indicates that 'no significant risk' exists. No remedial work was necessary. Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more Activity and use Limitations (AULs) that have been implemented.
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan. The cleanup plan is

implemented in Phase IV.

Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

Status Desc: Response Action Outcome

Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000852

Location Type: COMMERCIAL,FORMER,GASSTATION

Chemicals Information

Chemical: PETROLEUM

Amount:

Units:

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 01/15/1991
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: FEECRD Fee Not Required - Fee Credited - TFS Use Only
Submittal Date: 07/23/2003
RAO Class: B2
RAO Description: Site assessment indicates that 'no significant risk' exists. No remedial work was necessary. Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more Activity and use Limitations (AULs) that have been implemented.
Activity and Use Limitation: NOTICE

Response Action Type: PHASII Phase 2
Status: CSRCVD Completion Statement Received
Submittal Date: 02/15/2002
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: AUL Activity and Use Limitation
Status: SNAUDI Level II - Audit Inspection
Submittal Date: 09/17/2013
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHSIII Phase 3
Status: CSRCVD Completion Statement Received
Submittal Date: 02/15/2002
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: TIERII Tier 2 Classification
Submittal Date: 12/17/1997
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 08/01/1996
RAO Class:
RAO Description:
Activity and Use Limitation:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Detail

Class:	B2
Method:	1
GW Category:	2
Soil Category:	2
RAO Description:	Site assessment indicates that 'no significant risk' exists. No remedial work was necessary. Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more Activity and use Limitations (AULs) that have been implemented.

Tier Classification Detail

Imminent Hazard:	NO
Zone2:	NO
Numerical Rank Scoresheet Totals:	121
Numerical Rank Scoresheet II:	35
Numerical Rank Scoresheet III:	71
Numerical Rank Scoresheet IV:	15
Numerical Rank Scoresheet V:	0
Numerical Rank Scoresheet VI:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	6 of 7	WSW	0.23 / 1,208.59	185.61 / 13	AMHERST TIRE CENTER 292 COLLEGE ST AMHERST MA	RELEASE

RTN:	1-0000852	***Phase:***	PHASE IV
Compliance Date:	02/15/2002	***RAO Class:***	B2
Compliance Status:	RAO	***Chemical Type:***	Oil
Compl Status Desc:	Response Action Outcome	***Location Type:***	COMMERCIAL, FORMER, GASSTATION
Notification Date:	01/15/1991	***Site Name (BWSC):***	AMHERST TIRE CENTER
Source:	UST	***Address (BWSC):***	292 COLLEGE ST
Reporting Category:	NONE	***Town (BWSC):***	AMHERST
Site (EEA Data):	AMHERST TIRE CENTER	***Zip Code (BWSC):***	01002
Rel Add(EEA Data):	292 COLLEGE ST	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:	Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan		
RAO Class Desc:	Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.		
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000852		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000852		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical:	PETROLEUM
Amount:	
Units:	

Action Information (BWSC)

Status:	NAFNON	***Action:***	AUDCOM
Date:	15-Jun-2010		
Action Description:			
Status Description:			
RAO Class:	B2		
RAO Class Desc:	Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.		
Status:	NAFNVD	***Action:***	AUDCOM
Date:	17-Sep-2013		
Action Description:			
Status Description:			

RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI ***Action:*** AUL
Date: 15-Jun-2010
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD ***Action:*** PHSIII
Date: 15-Feb-2002
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FEECRD ***Action:*** RAO
Date: 23-Jul-2003
Action Description: Response Action Outcome -RAO
Status Description: Fee Not Required - Fee Credited
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TCTRNS ***Action:*** REL
Date: 15-Jan-1991
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 09-Apr-2019
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 27-May-2010
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FOLOFF ***Action:*** RLFA
Date: 15-Sep-2010
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RECPT ***Action:*** AUL
Date: 15-Feb-2002
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI ***Action:*** AUL

Date: 20-May-2003
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 28-Apr-2003
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 04-Oct-2006
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 18-Apr-2019
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NOA **Action:** AUDCOM
Date: 07-May-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: STMRET **Action:** TREGS
Date: 23-Dec-1997
Action Description:
Status Description: Submittal Retracted
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI **Action:** AUL
Date: 12-Oct-2006
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD **Action:** AUL
Date: 23-Dec-2002
Action Description: Activity and Use Limitation
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: INTLET **Action:** C&E
Date: 24-Jun-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is

contingent upon one or more AULs that have been implemented.

Status: NON ***Action:*** C&E
Date: 27-Jul-2001
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FEEREC ***Action:*** RAO
Date: 19-Feb-2002
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 04-Jun-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RECPT ***Action:*** TCLASS
Date: 17-Dec-1997
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: INTLET ***Action:*** C&E
Date: 20-Oct-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD ***Action:*** PHASEI
Date: 01-Aug-1996
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFVIO ***Action:*** AUDCOM
Date: 20-May-2003
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI ***Action:*** AUL
Date: 17-Sep-2013
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD ***Action:*** AUL
Date: 10-Mar-2003
Action Description: Activity and Use Limitation

Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RFI **Action:** C&E
Date: 07-May-1997
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: CSRCVD **Action:** PHASII
Date: 15-Feb-2002
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: TSAUD **Action:** RAO
Date: 23-Dec-2002
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 12-Oct-2006
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RAORCD **Action:** RAO
Date: 15-Feb-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: FLDRUN **Action:** RLFA
Date: 10-Sep-2013
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: RAOEQ **Action:** TREGS
Date: 01-Aug-1996
Action Description:
Status Description:
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status: SNAUDI **Action:** AUL
Date: 18-Apr-2019
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: B2
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Status:	TIERII	**Action:**	TCLASS
Date:	17-Dec-1997		
Action Description:	Tier Classification		
Status Description:	Tier 2 Classification		
RAO Class:	B2		
RAO Class Desc:	Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.		

Release (BWSC) Detail

Prim ID:		**Category:**	NONE
Current Status:	RAO	**Phase:**	PHASE IV
Current St Desc:	Response Action Outcome	**RAO Class:**	B2
Current Date:	15-Feb-2002	**OHM:**	Oil
OFC Notification:	15-Jan-1991		
Phase Desc:	Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan		
RAO Class Desc:	Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.		
Other Rela:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	7 of 7	WSW	0.23 / 1,208.59	185.61 / 13	CITY TIRE COMPANY INC DBA AMHERST TIRE CENTER 292 COLLEGE STREET AMHERST MA 01002	RCRA VSQG

EPA Handler ID:	MAR000570051
Gen Status Universe:	VSG
Contact Name:	RICHARD FOURNIER
Contact Address:	292 , COLLEGE STREET , , AMHERST , MA, 01002 , US
Contact Phone No and Ext:	413-256-8365
Contact Email:	AMHERSTTIRECENTER@GMAIL.COM
Contact Country:	US
County Name:	HAMPSHIRE
EPA Region:	01
Land Type:	Private
Receive Date:	20191025
Location Latitude:	42.373054
Location Longitude:	-72.509807

Violation/Evaluation Summary

Note:	NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No: 1
Receive Date: 20191025
Handler Name: CITY TIRE COMPANY INC DBA AMHERST TIRE CENTER
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: MA01
Waste Code Description: WASTE OIL

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: PETER GREENEBRG
Date Became Current: 19570601
Date Ended Current:
Phone: 413-737-1419
Source Type: Notification

Street No: 116
Street 1: WHEELMEADOW DRIVE
Street 2:
City: LONGMEADOW
State: MA
Country: US
Zip Code: 01106

Owner/Operator Ind: Current Operator
Type: Private
Name: PETER GREENEBRG
Date Became Current: 19570601
Date Ended Current:
Phone: 413-737-1419
Source Type: Notification

Street No: 116
Street 1: WHEELMEADOW DRIVE
Street 2:
City: LONGMEADOW
State: MA
Country: US
Zip Code: 01106

33	1 of 3	W	0.23 / 1,209.76	194.24 / 22	NO LOCATION AID 655 MAIN ST AMHERST MA	LUST

RTN: 1-0013884
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 06/04/2001
Notification Date: 04/13/2001
RAO Class: A2
Chemical Type: Oil
Reporting Category: 72 HR
Site Name (EEA Data Portal): NO LOCATION AID
Release Add (EEA Data Portal): 655 MAIN ST
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013884
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013884
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): RESIDNTIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 655 MAIN ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
Source(s): UST

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 04-Jun-2001
OFC Notification: 13-Apr-2001
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Category: 72 HR
Phase:
RAO Class: A2
OHM: Oil

Chemical Information

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Amount: 6.1
Units: MG/L

Chemical: #2 FUEL OIL
Amount: 104
Units: PPM

Action Information

Status: ISSUED ***Action:*** NOR
Date: 17-Apr-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1U ***Action:*** RLFA
Date: 13-Apr-2001
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO
Date: 21-Aug-2002
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 04-Jun-2001
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 04-Jun-2001
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***Action:*** IRA
Date: 13-Apr-2001
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 13-Apr-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 13-Apr-2001
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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33 | **2 of 3** | **W** | **0.23 / 1,209.76** | **194.24 / 22** | **NO LOCATION AID**
655 MAIN ST
AMHERST MA 01002-0000 | **LST**

Site No: 1-0013884
Source: UST
Release Type: RAO
Chemical Type: Oil
Category: 72 HR
Initial Status Dt: 4/13/2002
Official Notifi Dt: 4/13/2001
Current Date: 6/4/2001
ROA Class: A2
Phase:

ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Phase Desc:

Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

Status Desc: Response Action Outcome

Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0013884

Location Type: RESIDNTIAL

Chemicals Information

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Amount: 6.1
Units: MG/L

Chemical: #2 FUEL OIL
Amount: 104
Units: PPM

Response Action

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 08/21/2002
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 06/04/2001
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 04/13/2001
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: APORAL Oral Approval of Plan or Action
Submittal Date: 04/13/2001
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: N/A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LSP Name: SPENCER, JAMES C

RAO Detail

Class: A2
Method: 1
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

33	3 of 3	W	0.23 / 1,209.76	194.24 / 22	NO LOCATION AID 655 MAIN ST AMHERST MA	RELEASE

RTN: 1-0013884
Compliance Date: 06/04/2001
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 04/13/2001
Source: UST
Reporting Category: 72 HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 655 MAIN ST
Town (EEA Data): AMHERST
Phase Desc:
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 655 MAIN ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013884
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013884
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Amount: 6.1
Units: MG/L

Chemical: #2 FUEL OIL
Amount: 104
Units: PPM

Action Information (BWSC)

Status: REPORT
Action: RNF
Date: 04-Jun-2001
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Action: REL
Date: 13-Apr-2001
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD
Action: RAO
Date: 04-Jun-2001
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 13-Apr-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 17-Apr-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 21-Aug-2002
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1U **Action:** RLFA
Date: 13-Apr-2001
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 13-Apr-2001
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 04-Jun-2001 **OHM:** Oil
OFC Notification: 13-Apr-2001
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	1 of 3	ENE	0.23 / 1,227.32	196.37 / 24	THORNTON RENTAL PROPERTY 101 PELHAM RD AMHERST MA	LAST

RTN: 1-0016540 **Phase:**
Compliance Status: RAO **Location Type(s):** RESIDNTIAL
Compl Status Desc: Response Action Outcome **Site Name (BWSC):** THORNTON RENTAL PROPERTY
Compliance Date: 07/05/2007 **Address (BWSC):** 101 PELHAM RD
Notification Date: 03/06/2007 **Town (BWSC):** AMHERST
RAO Class: A2 **Zip Code (BWSC):** 010020000
Chemical Type: **OFC Town (BWSC):** AMHERST
Reporting Category: 72 HR **Source(s):** AST, LINE, PIPE, UNKNOWN
Site Name (EEA Data Portal): THORNTON RENTAL PROPERTY
Release Add (EEA Data Portal): 101 PELHAM RD
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0016540
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0016540
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: RAO ***Phase:***
Current Status Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 05-Jul-2007 ***OHM:***
OFC Notification: 06-Mar-2007
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: #2 FUEL
Amount: 0.5
Units: INCH

Action Information

Status: LESS ***Action:*** REL
Date: 06-Mar-2007
Action Description: Release Disposition
Status Description: Release or TOR Less than Reporting Requirement
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 26-Mar-2007
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 05-Jul-2007
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** IRA
Date: 12-Apr-2007
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO
Date: 15-Jul-2007
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***Action:*** IRA
Date: 07-Mar-2007
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1A ***Action:*** RLFA
Date: 06-Mar-2007
Action Description: Site Visit or Office Follow-up

Status Description: Initial Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 10-Apr-2007
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 10-Apr-2007
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 12-Apr-2007
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 27-Mar-2007
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 07-Mar-2007
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 12-Mar-2007
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 22-Mar-2007
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 05-Jul-2007
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORMD **Action:** IRA
Date: 22-Mar-2007
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 08-Mar-2007

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	2 of 3	ENE	0.23 / 1,227.32	196.37 / 24	THORNTON RENTAL PROPERTY 101 PELHAM RD AMHERST MA 01002-0000	LST

Site No: 1-0016540
Source: AST,LINE,PIPE,UNKNOWN
Release Type: RAO
Chemical Type:
Category: 72 HR
Initial Status Dt: 3/6/2008
Official Notifi Dt: 3/6/2007
Current Date: 7/5/2007
ROA Class: A2
Phase:
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc:
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0016540
Location Type: RESIDNTIAL

Chemicals Information

Chemical: #2 FUEL
Amount: 0.5
Units: INCH

Response Action

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 07/15/2007
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation: NONE

Response Action Type: REL Potential Release or Threat of Release
Status: LESS Release or Threat of Release LESS than reporting requirement
Submittal Date: 03/06/2007
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 03/07/2007
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 03/26/2007
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 07/05/2007
RAO Class:
RAO Description:

Activity and Use Limitation:

Licensed Site Professional

LSP No: N/A
LSP Name: WITTEN, LYONS

RAO Detail

Class: A2
Method: 1
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	3 of 3	ENE	0.23 / 1,227.32	196.37 / 24	THORNTON RENTAL PROPERTY 101 PELHAM RD AMHERST MA	RELEASE

RTN: 1-0016540
Compliance Date: 07/05/2007
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 03/06/2007
Source: AST, LINE, PIPE, UNKNOWN
Reporting Category: 72 HR
Site (EEA Data): THORNTON RENTAL PROPERTY
Rel Add(EEA Data): 101 PELHAM RD
Town (EEA Data): AMHERST
Phase:
RAO Class: A2
Chemical Type:
Location Type: RESIDNTIAL
Site Name (BWSC): THORNTON RENTAL PROPERTY
Address (BWSC): 101 PELHAM RD
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0016540
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0016540
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL
Amount: 0.5
Units: INCH

Action Information (BWSC)

Status: CSRCVD
Action: IRA
Date: 05-Jul-2007
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL
Action: IRA
Date: 07-Mar-2007
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD
Action: IRA
Date: 12-Apr-2007
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** IRA
Date: 12-Apr-2007
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 12-Mar-2007
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 08-Mar-2007
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 27-Mar-2007
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 10-Apr-2007
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 22-Mar-2007
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1A **Action:** RLFA
Date: 06-Mar-2007
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 15-Jul-2007
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LESS **Action:** REL
Date: 06-Mar-2007
Action Description: Release Disposition
Status Description: Release or TOR Less than Reporting Requirement
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 07-Mar-2007
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** RNF
Date: 26-Mar-2007
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORMD **Action:** IRA
Date: 22-Mar-2007
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 10-Apr-2007
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 05-Jul-2007
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 72 HR
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 05-Jul-2007
OHM:
OFC Notification: 06-Mar-2007
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	1 of 3	W	0.33 / 1,733.10	195.99 / 23	4-6 UNIT APARTMENT BUILDING 622 MAIN ST AMHERST MA	LUST

RTN: 1-0011551
Phase:
Compliance Status: RAO
Location Type(s): RESIDNTIAL
Compl Status Desc: Response Action Outcome
Site Name (BWSC): 4-6 UNIT APARTMENT BUILDING
Compliance Date: 11/06/1996
Address (BWSC): 622 MAIN ST
Notification Date: 10/11/1996
Town (BWSC): AMHERST
RAO Class: A1
Zip Code (BWSC): 010020000
Chemical Type: Oil
OFC Town (BWSC): AMHERST
Reporting Category: 72 HR
Source(s): UST
Site Name (EEA Data Portal): 4-6 UNIT APARTMENT BUILDING
Release Add (EEA Data Portal): 622 MAIN ST
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011551
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011551
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: RAO **Phase:**
Current Status Desc: Response Action Outcome **RAO Class:** A1
Current Date: 06-Nov-1996 **OHM:** Oil
OFC Notification: 11-Oct-1996
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Chemical Information

Chemical: #2 FUEL OIL
Amount: 110
Units: PPMV

Action Information

Status: ISSUED **Action:** NOR
Date: 28-Oct-1996
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** REL
Date: 11-Oct-1996
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRAN **Action:** RLFA
Date: 16-Oct-1996
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** RNF
Date: 06-Nov-1996
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL **Action:** IRA
Date: 11-Oct-1996
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD **Action:** RAO
Date: 06-Nov-1996
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	2 of 3	W	0.33 / 1,733.10	195.99 / 23	4-6 UNIT APARTMENT BUILDING 622 MAIN ST AMHERST MA 01002-0000	LST

Site No: 1-0011551
Source: UST
Release Type: RAO
Chemical Type: Oil
Category: 72 HR
Initial Status Dt: 10/11/1997
Official Notifi Dt: 10/11/1996
Current Date: 11/6/1996
ROA Class: A1
Phase:
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Phase Desc:
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL:
Location Type: RESIDNTIAL

Chemicals Information

Chemical: #2 FUEL OIL
Amount: 110
Units: PPMV

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 10/11/1996
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 11/06/1996
RAO Class: A1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity and Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: APORAL Oral Approval of Plan or Action
Submittal Date: 10/11/1996
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 11/06/1996
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: 6442
LSP Name: WEISS, ALAN E

RAO Detail

Class: A1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method: 1
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

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35 | **3 of 3** | **W** | **0.33 / 1,733.10** | **195.99 / 23** | **4-6 UNIT APARTMENT BUILDING**
622 MAIN ST
AMHERST MA | **RELEASE**

RTN: 1-0011551
Compliance Date: 11/06/1996
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/11/1996
Source: UST
Reporting Category: 72 HR
Site (EEA Data): 4-6 UNIT APARTMENT BUILDING
Rel Add(EEA Data): 622 MAIN ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011551
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011551
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A1
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): 4-6 UNIT APARTMENT BUILDING
Address (BWSC): 622 MAIN ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 110
Units: PPMV

Action Information (BWSC)

Status: FLDRAN
Action: RLFA
Date: 16-Oct-1996
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD
Action: RAO
Date: 06-Nov-1996
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT
Action: RNF
Date: 06-Nov-1996
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT
Action: REL
Date: 11-Oct-1996
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release

has been eliminated.

Status: APORAL **Action:** IRA
Date: 11-Oct-1996
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED **Action:** NOR
Date: 28-Oct-1996
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A1
Current Date: 06-Nov-1996 **OHM:** Oil
OFC Notification: 11-Oct-1996
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

36	1 of 1	W	0.34 / 1,821.46	188.57 / 16	FMR AMHERST AREA WORK CENTER 246 COLLEGE ST AND S WHITNEY ST AMHERST MA 01002-0000	LST

Site No: 1-0010661 **Initial Status Dt:** 12/15/1995
Source: UST **Official Notifi Dt:** 12/15/1994
Release Type: RAO **Current Date:** 12/14/1995
Chemical Type: Oil **ROA Class:** A2
Category: TWO HR **Phase:**
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc:
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0010661
Location Type: INDUSTRIAL

Chemicals Information

Chemical: TPH
Amount: 6196
Units: PPMV

Chemical: OIL
Amount:
Units:

Response Action

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received

Submittal Date: 02/14/1995
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: FEEREC Fee Received - TFS Use Only
Submittal Date: 12/20/1995
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 02/24/1995
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/15/1994
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: 4813
LSP Name: SHEEHAN, KEVIN C

LSP No: N/A
LSP Name: JOHNSON, EVAN T

RAO Detail

Class: A2
Method: 1
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

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37 | ***1 of 5*** | ***W*** | ***0.35 / 1,822.59*** | ***188.57 / 16*** | ***WMECO 246 COLLEGE ST AMHERST MA*** | ***HIST LUST***

Spill ID: W88-0106
Site ID: 0000
Case Closed: YES
LUST:
Incident: LEAK
Other Incident:
Source: U.S.T.
Other Source:
Petro/Hazardous: PETROLEUM
Virgin/Waste: VIRGIN
Material: GASOLINE
Other Material:
Enviro Impact: SOIL
Other Env. Impact:
Contaminated Soil:
PCB Ranges:
Reported Qty Spilled: NONE
CAS # for Haz Waste:

Repo Units Spilled: _____
Act. Qty Spilled: NONE
Act. Units Spilled: _____
Spill Date:
Spill Time:
Rport Date:
Rport Time: 01:30PM
Notifier:
Notifier Phone:
First IR Form:
Staff Lead: TERENZI, R
Category:
Days For Case: 942
Report pre by:
Contractor: NOT USED
Referral Divisions: NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SPL Info. 1st Entered:
SPL Info. Last Entered:

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37 | **2 of 5** | **W** | **0.35 / 1,822.59** | **188.57 / 16** | **WESTERN MASS ELECTRIC**
246 COLLEGE ST
AMHERST MA | **LUST**

RTN: 1-0000451
Compliance Status: DEPNFA
Compl Status Desc: DEP No Further Action
Compliance Date: 07/23/1993
Notification Date: 07/15/1988
RAO Class:
Chemical Type:
Reporting Category: NONE
Site Name (EEA Data Portal): WESTERN MASS ELECTRIC
Release Add (EEA Data Portal): 246 COLLEGE ST
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000451
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000451
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): UTILITY
Site Name (BWSC): WESTERN MASS ELECTRIC
Address (BWSC): 246 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC): 01002
OFC Town (BWSC): AMHERST
Source(s): UST

Release (BWSC) Detail

Prim ID:
Current Status: DEPNFA
Current Status Desc: DEP No Further Action
Current Date: 23-Jul-1993
OFC Notification: 15-Jul-1988
Phase Desc:
RAO Class Desc:
Other Rela:

Category: NONE
Phase:
RAO Class:
OHM:

Chemical Information

Chemical: UNKNOWN
Amount:
Units:

Action Information

Status: TCTRNS
Date: 15-Jul-1988
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:

Action: REL

Status: DEPNFA
Date: 23-Jul-1993
Action Description:
Status Description: No Further Action - DEP
RAO Class:
RAO Class Desc:

Action: TREGS

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37 | **3 of 5** | **W** | **0.35 / 1,822.59** | **188.57 / 16** | **FRMR WMECO WORK CENTER**
246 COLLEGE ST
AMHERST MA | **RELEASE**

RTN: 1-0013797

Phase:

Compliance Date: 02/08/2001
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 02/08/2001
Source:
Reporting Category: 120 DY
Site (EEA Data): FRMR WMECO WORK CENTER
Rel Add(EEA Data): 246 COLLEGE ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class: A2
Chemical Type:
Location Type:
Site Name (BWSC): FRMR WMECO WORK CENTER
Address (BWSC): 246 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013797
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013797
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: NAPTHALENE
Amount: 5.7
Units: MG/KG

Action Information (BWSC)

Status: REPORT
Action: REL
Date: 08-Feb-2001
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Action: RNF
Date: 08-Feb-2001
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED
Action: NOR
Date: 08-Feb-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD
Action: RAO
Date: 08-Feb-2001
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 120 DY
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 08-Feb-2001
OHM:
OFC Notification: 08-Feb-2001
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

37	4 of 5	W	0.35 /	188.57 /	WESTERN MASS ELECTRIC	LST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			1,822.59	16	246 COLLEGE ST AMHERST MA 1002	

Site No: 1-0000451
Source: UST
Release Type: DEPNFA
Chemical Type:
Category: NONE
ROA Class Desc:
Phase Desc:
Release Type Desc: DEP No Further Action means that response actions were conducted and DEP determined that no further action was needed for the site.
Status Desc: DEP No Further Action
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000451
Location Type: UTILITY

Initial Status Dt: 10/1/1993
Official Notifi Dt: 7/15/1988
Current Date: 7/23/1993
ROA Class:
Phase:

Chemicals Information

Chemical: UNKNOWN
Amount:
Units:

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 07/15/1988
RAO Class:
RAO Description:
Activity and Use Limitation:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
37	5 of 5	W	0.35 / 1,822.59	188.57 / 16	WESTERN MASS ELECTRIC 246 COLLEGE ST AMHERST MA	RELEASE

RTN: 1-0000451
Compliance Date: 07/23/1993
Compliance Status: DEPNFA
Compl Status Desc: DEP No Further Action
Notification Date: 07/15/1988
Source: UST
Reporting Category: NONE
Site (EEA Data): WESTERN MASS ELECTRIC
Rel Add(EEA Data): 246 COLLEGE ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000451
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000451
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class:
Chemical Type:
Location Type: UTILITY
Site Name (BWSC): WESTERN MASS ELECTRIC
Address (BWSC): 246 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC): 01002
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: DEPNFA
Date: 23-Jul-1993
Action Description:
Status Description: No Further Action - DEP

Action: TREGS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class:
RAO Class Desc:

Status: TCTRNS
Date: 15-Jul-1988
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:
Action: REL

Release (BWSC) Detail

Prim ID:
Current Status: DEPNFA
Current St Desc: DEP No Further Action
Current Date: 23-Jul-1993
OFC Notification: 15-Jul-1988
Phase Desc:
RAO Class Desc:
Other Rela:
Category: NONE
Phase:
RAO Class:
OHM:

38	1 of 6	W	0.41 / 2,154.08	203.33 / 31	GETTY 41 SOUTH WHITNEY ST AMHERST MA	LUST

RTN: 1-0000263
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 03/11/1996
Notification Date: 07/15/1987
RAO Class: A2
Chemical Type:
Reporting Category: NONE
Site Name (EEA Data Portal): GETTY
Release Add (EEA Data Portal): 41 SOUTH WHITNEY ST
City/Town (EEA Data Portal): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000263
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000263
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE II
Location Type(s): GASSTATION
Site Name (BWSC): GETTY
Address (BWSC): 41 SOUTH WHITNEY ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
Source(s): UST

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 11-Mar-1996
OFC Notification: 15-Jul-1987
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: NONE
Phase: PHASE II
RAO Class: A2
OHM:

Chemical Information

Chemical: UNKNOWN
Amount:
Units:

Action Information

Status: RECPT
Action: TCLASS

Date: 02-Aug-1995
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TCTRNS **Action:** REL
Date: 15-Jul-1987
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** PHASEI
Date: 02-Aug-1995
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **Action:** TCLASS
Date: 03-Aug-1995
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 11-Mar-1996
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LSPFA **Action:** TREGS
Date: 02-Aug-1995
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	2 of 6	W	0.41 / 2,154.08	203.33 / 31	BOYDEN & PERRON 41 SOUTH WHITNEY ST AMHERST MA	LUST

RTN: 1-0015331
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 08/02/2004
Notification Date: 06/10/2004
RAO Class: A2
Chemical Type: Oil
Reporting Category: 72 HR
Site Name (EEA Data Portal): BOYDEN & PERRON
Release Add (EEA Data Portal): 41 SOUTH WHITNEY ST
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015331
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015331
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): COMMERCIAL
Site Name (BWSC): BOYDEN & PERRON
Address (BWSC): 41 SOUTH WHITNEY ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
Source(s): UST

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Category: 72 HR
Phase:

Current Status Desc: Response Action Outcome
RAO Class: A2
Current Date: 02-Aug-2004
OHM: Oil
OFC Notification: 10-Jun-2004
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: #2 FUEL OIL
Amount: 548
Units: PPMV

Action Information

Status: RAORCD
Action: RAO
Date: 02-Aug-2004
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Action: RNF
Date: 14-Jun-2004
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Action: REL
Date: 10-Jun-2004
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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38 | ***3 of 6*** | ***W*** | ***0.41 / 2,154.08*** | ***203.33 / 31*** | ***GETTY***
41 SOUTH WHITNEY ST
AMHERST MA 01002-0000 | ***LST***

Site No: 1-0000263
Initial Status Dt: 8/2/1995
Source: UST
Official Notifi Dt: 7/15/1987
Release Type: RAO
Current Date: 3/11/1996
Chemical Type:
ROA Class: A2
Category: NONE
Phase: PHASE II
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc: Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined.
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000263
Location Type: GASSTATION

Chemicals Information

Chemical: UNKNOWN
Amount:
Units:

Response Action

Response Action Type: TCLASS Tier Classification
Status: TIERII Tier 2 Classification
Submittal Date: 08/03/1995
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 03/11/1996
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation: NONE

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 08/02/1995
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 07/15/1987
RAO Class:
RAO Description:
Activity and Use Limitation:

RAO Detail

Class: A2
Method: 1
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Tier Classification Detail

Imminent Hazard: NO
Zone2: NO
Numerical Rank Scoresheet Totals: 117
Numerical Rank Scoresheet II: 35
Numerical Rank Scoresheet III: 62
Numerical Rank Scoresheet IV: 20
Numerical Rank Scoresheet V: 0
Numerical Rank Scoresheet VI: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	4 of 6	W	0.41 / 2,154.08	203.33 / 31	BOYDEN & PERRON 41 SOUTH WHITNEY ST AMHERST MA	LST

Site No: 1-0015331
Source: UST
Release Type: RAO
Chemical Type: Oil
Category: 72 HR
Initial Status Dt: 6/10/2005
Official Notifi Dt: 6/10/2004
Current Date: 8/2/2004
ROA Class: A2
Phase:
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc:
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0015331
Location Type: COMMERCIAL

Chemicals Information

Chemical: #2 FUEL OIL
Amount: 548
Units: PPMV

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 06/10/2004
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 08/02/2004
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 06/14/2004
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: N/A
LSP Name: WITTEN, LYONS

RAO Detail

Class: A2
Method: 1
GW Category:
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	5 of 6	W	0.41 / 2,154.08	203.33 / 31	BOYDEN & PERRON 41 SOUTH WHITNEY ST AMHERST MA	RELEASE

RTN: 1-0015331
Compliance Date: 08/02/2004
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 06/10/2004
Source: UST
Reporting Category: 72 HR
Site (EEA Data): BOYDEN & PERRON
Rel Add(EEA Data): 41 SOUTH WHITNEY ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015331

Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: COMMERCIAL
Site Name (BWSC): BOYDEN & PERRON
Address (BWSC): 41 SOUTH WHITNEY ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015331
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 548
Units: PPMV

Action Information (BWSC)

Status: REPORT **Action:** RNF
Date: 14-Jun-2004
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 10-Jun-2004
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 02-Aug-2004
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 72 HR
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 02-Aug-2004
OHM: Oil
OFC Notification: 10-Jun-2004
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	6 of 6	W	0.41 / 2,154.08	203.33 / 31	GETTY 41 SOUTH WHITNEY ST AMHERST MA	RELEASE

RTN: 1-0000263
Phase: PHASE II
Compliance Date: 03/11/1996
RAO Class: A2
Compliance Status: RAO
Chemical Type:
Compl Status Desc: Response Action Outcome
Location Type: GASSTATION
Notification Date: 07/15/1987
Site Name (BWSC): GETTY
Source: UST
Address (BWSC): 41 SOUTH WHITNEY ST
Reporting Category: NONE
Town (BWSC): AMHERST
Site (EEA Data): GETTY
Zip Code (BWSC): 010020000
Rel Add(EEA Data): 41 SOUTH WHITNEY ST
OFC Town (BWSC): AMHERST
Town (EEA Data): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000263
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000263
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: RECPT ***Action:*** TCLASS
Date: 02-Aug-1995
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 11-Mar-1996
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** PHASEI
Date: 02-Aug-1995
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LSPFA ***Action:*** TREGS
Date: 02-Aug-1995
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TCTRNS ***Action:*** REL
Date: 15-Jul-1987
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII ***Action:*** TCLASS
Date: 03-Aug-1995
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** NONE
Current Status: RAO ***Phase:*** PHASE II
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 11-Mar-1996 ***OHM:***
OFC Notification: 15-Jul-1987
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

39	1 of 6	W	0.41 / 2,158.01	198.34 / 26	NO LOCATION AID 213 COLLEGE ST AMHERST MA	LUST

RTN:	1-0015065	**Phase:**	PHASE IV
Compliance Status:	PSNC	**Location Type(s):**	
Compl Status Desc:	Permanent Solution with No Conditions	**Site Name (BWSC):**	NO LOCATION AID
Compliance Date:	06/04/2020	**Address (BWSC):**	213 COLLEGE ST
Notification Date:	11/20/2003	**Town (BWSC):**	AMHERST
RAO Class:	PN	**Zip Code (BWSC):**	
Chemical Type:	Oil	**OFC Town (BWSC):**	AMHERST
Reporting Category:	120 DY	**Source(s):**	PIPE, UNKNOWN, UST

Site Name (EEA Data Portal): NO LOCATION AID
Release Add (EEA Data Portal): 213 COLLEGE ST
City/Town (EEA Data Portal): AMHERST
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015065
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015065
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:		**Category:**	120 DY
Current Status:	PSNC	**Phase:**	PHASE IV
Current Status Desc:	Permanent Solution with No Conditions	**RAO Class:**	PN
Current Date:	04-Jun-2020	**OHM:**	Oil
OFC Notification:	20-Nov-2003		

Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

Chemical Information

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 7400
Units: UG/L

Action Information

Status:	NAFNVD	**Action:**	AUDCOM
Date:	07-Sep-2012		
Action Description:			
Status Description:			
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	ALSENT	**Action:**	NOR
Date:	19-Oct-2004		
Action Description:	Notice of Responsibility		
Status Description:	Anniversary Letter Sent		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	CSRCVD	**Action:**	PHASEI
Date:	20-Nov-2004		
Action Description:	Phase 1		
Status Description:	Completion Statement Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	STRCVD	**Action:**	RAM
Date:	12-Jan-2009		
Action Description:	Release Abatement Measure		
Status Description:	Status or Interim Report Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	TSAUD	**Action:**	RAO

Date: 20-Aug-2020
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TIERII **Action:** TCLASS
Date: 20-Nov-2004
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED **Action:** NOR
Date: 02-Dec-2003
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR **Action:** PHASIV
Date: 06-Oct-2009
Action Description: Phase 4
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** PHASIV
Date: 02-Apr-2010
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** RAM
Date: 02-Oct-2006
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NON **Action:** C&E
Date: 28-Feb-2012
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** RAM
Date: 08-Oct-2009
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ACTAUD **Action:** RAO
Date: 07-Sep-2012
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RAORCD **Action:** RAO
Date: 23-Apr-2012
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TCEXT **Action:** TCLASS
Date: 14-Mar-2018
Action Description: Tier Classification
Status Description: Tier Classification Extension
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NOA **Action:** AUDCOM
Date: 18-Jul-2012
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINI **Action:** PHASIV
Date: 02-Apr-2010
Action Description: Phase 4
Status Description: RMR Initial Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** PHASIV
Date: 07-Oct-2010
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR **Action:** RAM
Date: 14-Mar-2018
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **Action:** RAM
Date: 28-Oct-2009
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDRAN **Action:** RLFA
Date: 08-Aug-2012
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** RNF
Date: 20-Nov-2003
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** PHASIV
Date: 12-May-2011
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** PHSIII
Date: 21-May-2007
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status:	FEEREC	***Action:***	RAM
Date:	20-Nov-2003		
Action Description:	Release Abatement Measure		
Status Description:	Fee Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	T2EXT	***Action:***	TCLASS
Date:	28-Mar-2012		
Action Description:	Tier Classification		
Status Description:	Tier 2 Extension (retired)		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	T2EXT	***Action:***	TCLASS
Date:	07-Oct-2010		
Action Description:	Tier Classification		
Status Description:	Tier 2 Extension (retired)		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	SOW	***Action:***	PHASII
Date:	20-Nov-2004		
Action Description:	Phase 2		
Status Description:	Scope of Work Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	RMRINT	***Action:***	PHASIV
Date:	07-Oct-2010		
Action Description:	Phase 4		
Status Description:	RMR Interim Report Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	STRCVD	***Action:***	RAM
Date:	20-Nov-2004		
Action Description:	Release Abatement Measure		
Status Description:	Status or Interim Report Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	REPORT	***Action:***	REL
Date:	20-Nov-2003		
Action Description:	Release Disposition		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	INTLET	***Action:***	C&E
Date:	07-Mar-2007		
Action Description:			
Status Description:			
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	CSRCVD	***Action:***	RAM
Date:	12-Sep-2018		
Action Description:	Release Abatement Measure		
Status Description:	Completion Statement Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	PLANWR	***Action:***	RAM
Date:	20-Nov-2003		
Action Description:	Release Abatement Measure		
Status Description:	Written Plan Received		
RAO Class:	PN		

RAO Class Desc: Permanent Solution with No Conditions

Status: INTLET ***Action:*** C&E
Date: 25-Nov-2009
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***Action:*** PHASII
Date: 21-May-2007
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASIV
Date: 12-May-2011
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** RAM
Date: 13-Mar-2006
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** RAM
Date: 17-May-2007
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD ***Action:*** RAO
Date: 04-Jun-2020
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***Action:*** RAO
Date: 06-Jun-2012
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***Action:*** RAO
Date: 05-Sep-2019
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSEVAL ***Action:*** RAO
Date: 14-Mar-2018
Action Description: Response Action Outcome -RAO
Status Description: Periodic Review Opinion Evaluating Temporary Solution
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT ***Action:*** TCLASS
Date: 20-Nov-2004
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: T2EXT **Action:** TCLASS
Date: 19-Oct-2009
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	2 of 6	W	0.41 / 2,158.01	198.34 / 26	FRMR UNIVERSITY MOTORS 213 COLLEGE ST AMHERST MA	RELEASE

RTN: 1-0011983
Compliance Date: 03/23/1998
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 08/27/1997
Source: UNKNOWN
Reporting Category: 120 DY
Site (EEA Data): FRMR UNIVERSITY MOTORS
Rel Add(EEA Data): 213 COLLEGE ST
Town (EEA Data): AMHERST
Phase Desc:
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: COMMERCIAL
Site Name (BWSC): FRMR UNIVERSITY MOTORS
Address (BWSC): 213 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011983
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011983
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: OIL
Amount:
Units:

Action Information (BWSC)

Status: RAORCD **Action:** RAO
Date: 23-Mar-1998
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD **Action:** RLFA
Date: 04-Sep-1997
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LNKVTC **Action:** TCLASS
Date: 28-Mar-2000
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **Action:** TCLASS
Date: 23-Mar-1998
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 29-Jan-2003
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 27-Aug-1997
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 08-Dec-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** TCLASS
Date: 23-Mar-1998
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** RAM
Date: 27-Aug-1997
Action Description: Release Abatement Measure
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 03-Dec-1999
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 17-May-2000
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NON **Action:** C&E
Date: 16-Dec-1997
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 10-Sep-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 03-Jan-2000
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1U ***Action:*** RLFA
Date: 02-Dec-1999
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN ***Action:*** RLFA
Date: 25-Nov-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN ***Action:*** RLFA
Date: 19-Dec-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD ***Action:*** RLFA
Date: 10-Sep-1997
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 30-Sep-1997
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 01-Dec-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 10-Sep-1997
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** RAM
Date: 23-Mar-1998
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN ***Action:*** RLFA
Date: 04-Sep-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 01-Oct-1997
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: 1-0011983
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 23-Mar-1998
OFC Notification: 27-Aug-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 120 DY
Phase:
RAO Class: A2
OHM: Oil

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39 | **3 of 6** | **W** | **0.41 / 2,158.01** | **198.34 / 26** | **UNIVERSITY MOTORS INC**
213 COLLEGE ST
AMHERST MA | **RELEASE**

RTN: 1-0011877
Compliance Date: 03/28/2000
Compliance Status: RTN CLOSED
Compl Status Desc: Release Tracking Number Closed
Notification Date: 06/16/1997
Source: UNKNOWN
Reporting Category: 120 DY
Site (EEA Data): UNIVERSITY MOTORS INC
Rel Add(EEA Data): 213 COLLEGE ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011877
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011877
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class:
Chemical Type: Oil and Hazardous Material
Location Type: COMMERCIAL
Site Name (BWSC): UNIVERSITY MOTORS INC
Address (BWSC): 213 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: TPH
Amount: 18000
Units: MG/KG

Chemical: BTEX
Amount: 18870
Units: MG/KG

Chemical: LEAD
Amount: 9.3
Units: MG/L

Action Information (BWSC)

Status: REPORT
Date: 16-Jun-1997
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:
Action: REL

Status: RECPT
Date: 23-Mar-1998
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:
Action: TCLASS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: RTCLSS **Action:** RAONR
Date: 28-Mar-2000
Action Description: RAO Not Required
Status Description: Linked to a Tier Classified Site
RAO Class:
RAO Class Desc:

Status: REPORT **Action:** REL
Date: 24-Mar-2000
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: LNKVTC **Action:** TCLASS
Date: 28-Mar-2000
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class:
RAO Class Desc:

Status: TIERII **Action:** TCLASS
Date: 23-Mar-1998
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: **Category:** 120 DY
Current Status: RAONR **Phase:**
Current St Desc: RAO Not Required **RAO Class:**
Current Date: 28-Mar-2000 **OHM:** Oil and Hazardous Material
OFC Notification: 16-Jun-1997
Phase Desc:
RAO Class Desc:
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	4 of 6	W	0.41 / 2,158.01	198.34 / 26	NO LOCATION AID 213 COLLEGE ST AMHERST MA	LST

Site No: 1-0015065 **Initial Status Dt:** 11/20/2004
Source: PIPE,UNKNOWN,UST **Official Notifi Dt:** 11/20/2003
Release Type: RAO **Current Date:** 4/23/2012
Chemical Type: Oil **ROA Class:** C1
Category: 120 DY **Phase:** PHASE IV
ROA Class Desc: A temporary cleanup. Although the site does not present a 'substantial hazard', it has not reached a level of no significant risk. The site must be evaluated every five years to determine whether a Class A or Class B RAO is possible. All sites are expected eventually to receive a Class A or B RAO.
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan. The cleanup plan is implemented in Phase IV.
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0015065
Location Type:

Chemicals Information

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 7400
Units: UG/L

Response Action

Response Action Type: PHASII Phase 2
Status: CSRCVD Completion Statement Received
Submittal Date: 05/21/2007
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 11/20/2003
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 11/20/2004
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: ACTAUD Level III-Comprehensive Audit
Submittal Date: 09/07/2012
RAO Class: C1
RAO Description: A temporary cleanup. Although the site does not present a 'substantial hazard', it has not reached a level of no significant risk. The site must be evaluated every five years to determine whether a Class A or Class B RAO is possible. All sites are expected eventually to receive a Class A or B RAO.
Activity and Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: T2EXT Tier 2 Extension
Submittal Date: 03/28/2012
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAM Release Abatement Measure
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 10/28/2009
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHASIV Phase 4
Status: RMRINT RMR Interim Report Received
Submittal Date: 05/12/2011
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHSIII Phase 3
Status: CSRCVD Completion Statement Received
Submittal Date: 05/21/2007
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 11/20/2003
RAO Class:
RAO Description:
Activity and Use Limitation:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Licensed Site Professional

LSP No:	1217
LSP Name:	LANDYN, JOSEPH A
LSP No:	4913
LSP Name:	MCKENNA, JACK M
LSP No:	9000
LSP Name:	NICKELSEN, BRUCE

RAO Detail

Class:	C1
Method:	3
GW Category:	2
Soil Category:	2
RAO Description:	A temporary cleanup. Although the site does not present a 'substantial hazard', it has not reached a level of no significant risk. The site must be evaluated every five years to determine whether a Class A or Class B RAO is possible. All sites are expected eventually to receive a Class A or B RAO.

Tier Classification Detail

Imminent Hazard:	NO
Zone2:	NO
Numerical Rank Scoresheet Totals:	202
Numerical Rank Scoresheet II:	115
Numerical Rank Scoresheet III:	67
Numerical Rank Scoresheet IV:	20
Numerical Rank Scoresheet V:	0
Numerical Rank Scoresheet VI:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	5 of 6	W	0.41 / 2,158.01	198.34 / 26	NO LOCATION AID 213 COLLEGE ST AMHERST MA	RELEASE

RTN:	1-0015065	***Phase:***	PHASE IV
Compliance Date:	06/04/2020	***RAO Class:***	PN
Compliance Status:	PSNC	***Chemical Type:***	Oil
Compl Status Desc:	Permanent Solution with No Conditions	***Location Type:***	
Notification Date:	11/20/2003	***Site Name (BWSC):***	NO LOCATION AID
Source:	PIPE, UNKNOWN, UST	***Address (BWSC):***	213 COLLEGE ST
Reporting Category:	120 DY	***Town (BWSC):***	AMHERST
Site (EEA Data):	NO LOCATION AID	***Zip Code (BWSC):***	
Rel Add(EEA Data):	213 COLLEGE ST	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		

Phase Desc:	Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc:	Permanent Solution with No Conditions
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015065
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015065
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount:	7400
Units:	UG/L

Action Information (BWSC)

Status:	NAFNVD	***Action:***	AUDCOM

Date: 07-Sep-2012
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** PHASIV
Date: 07-Oct-2010
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD **Action:** RAO
Date: 04-Jun-2020
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: T2EXT **Action:** TCLASS
Date: 28-Mar-2012
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: T2EXT **Action:** TCLASS
Date: 07-Oct-2010
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NOA **Action:** AUDCOM
Date: 18-Jul-2012
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT **Action:** PHASIV
Date: 12-May-2011
Action Description: Phase 4
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FEEREC **Action:** RAM
Date: 20-Nov-2003
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR **Action:** RAM
Date: 14-Mar-2018
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** RAM
Date: 12-Jan-2009
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status:	STRCVD	**Action:**	RAM
Date:	17-May-2007		
Action Description:	Release Abatement Measure		
Status Description:	Status or Interim Report Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	FLDRAN	**Action:**	RLFA
Date:	08-Aug-2012		
Action Description:	Site Visit or Office Follow-up		
Status Description:	Compliance Field Response - Announced		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	TCEXT	**Action:**	TCLASS
Date:	14-Mar-2018		
Action Description:	Tier Classification		
Status Description:	Tier Classification Extension		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	CSRCVD	**Action:**	RAM
Date:	08-Oct-2009		
Action Description:	Release Abatement Measure		
Status Description:	Completion Statement Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	TSAUD	**Action:**	RAO
Date:	06-Jun-2012		
Action Description:	Response Action Outcome -RAO		
Status Description:	Level I - Technical Screen Audit		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	T2EXT	**Action:**	TCLASS
Date:	19-Oct-2009		
Action Description:	Tier Classification		
Status Description:	Tier 2 Extension (retired)		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	INTLET	**Action:**	C&E
Date:	25-Nov-2009		
Action Description:			
Status Description:			
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	ISSUED	**Action:**	NOR
Date:	02-Dec-2003		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	RMRINT	**Action:**	PHASIV
Date:	07-Oct-2010		
Action Description:	Phase 4		
Status Description:	RMR Interim Report Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	STRCVD	**Action:**	PHASIV
Date:	02-Apr-2010		
Action Description:	Phase 4		
Status Description:	Status or Interim Report Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status: STRCVD **Action:** PHASIV
Date: 12-May-2011
Action Description: Phase 4
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **Action:** RAM
Date: 20-Nov-2004
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ALSENT **Action:** NOR
Date: 19-Oct-2004
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSEVAL **Action:** RAO
Date: 14-Mar-2018
Action Description: Response Action Outcome -RAO
Status Description: Periodic Review Opinion Evaluating Temporary Solution
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 20-Nov-2003
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** RNF
Date: 20-Nov-2003
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NON **Action:** C&E
Date: 28-Feb-2012
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** PHASEI
Date: 20-Nov-2004
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** PHASII
Date: 21-May-2007
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** PHSIII
Date: 21-May-2007
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: PN

RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***Action:*** RAO
Date: 20-Aug-2020
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT ***Action:*** TCLASS
Date: 20-Nov-2004
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TIERII ***Action:*** TCLASS
Date: 20-Nov-2004
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***Action:*** RAM
Date: 12-Sep-2018
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** RAM
Date: 13-Mar-2006
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RAORCD ***Action:*** RAO
Date: 23-Apr-2012
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***Action:*** RAO
Date: 05-Sep-2019
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: INTLET ***Action:*** C&E
Date: 07-Mar-2007
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SOW ***Action:*** PHASII
Date: 20-Nov-2004
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR ***Action:*** PHASIV
Date: 06-Oct-2009
Action Description: Phase 4
Status Description: Written Plan Received

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINI **Action:** PHASIV
Date: 02-Apr-2010
Action Description: Phase 4
Status Description: RMR Initial Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **Action:** RAM
Date: 02-Oct-2006
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR **Action:** RAM
Date: 20-Nov-2003
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **Action:** RAM
Date: 28-Oct-2009
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ACTAUD **Action:** RAO
Date: 07-Sep-2012
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID: **Category:** 120 DY
Current Status: PSNC **Phase:** PHASE IV
Current St Desc: Permanent Solution with No Conditions **RAO Class:** PN
Current Date: 04-Jun-2020 **OHM:** Oil
OFC Notification: 20-Nov-2003
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	6 of 6	W	0.41 / 2,158.01	198.34 / 26	FORT HILL AUTO BODY 213 COLLEGE STREET AMHERST MA	DELISTED REL

Delisted Waste Site Cleanup Notification Sites

RTN: 1-0020753 **Location:** COMMERCIAL
OFC Notification: 1/5/2019 **Curr Status Desc:** Unclassified
Prim ID: **Source:** LINE
Category: TWO HR **Phase:**
Current Date: 1/5/2019 **Record Date:** 25-FEB-2019
OHM: **RAO Class:**
Current Status: UNCLSS **Original Source:** REL
Phase Desc:
RAO Class Desc:
Info URL:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Docs URL:						
40	1 of 2	W	0.41 / 2,167.05	197.27 / 25	FMR AMHERST AREA WORK CENTER 246 COLLEGE ST AND S WHITNEY ST AMHERST MA	LUST

RTN: 1-0010661
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 12/14/1995
Notification Date: 12/15/1994
RAO Class: A2
Chemical Type: Oil
Reporting Category: TWO HR
Phase:
Location Type(s): INDUSTRIAL
Site Name (BWSC): FMR AMHERST AREA WORK CENTER
Address (BWSC): 246 COLLEGE ST AND S WHITNEY ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
Source(s): UST
Site Name (EEA Data Portal): FMR AMHERST AREA WORK CENTER
Release Add (EEA Data Portal): 246 COLLEGE ST AND S WHITNEY ST
City/Town (EEA Data Portal): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010661
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010661
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 14-Dec-1995
OFC Notification: 15-Dec-1994
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: TWO HR
Phase:
RAO Class: A2
OHM: Oil

Chemical Information

Chemical: OIL
Amount:
Units:

Chemical: TPH
Amount: 6196
Units: PPMV

Action Information

Status: APORAL
Date: 15-Dec-1994
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Action: IRA

Status: RAORCD
Date: 14-Dec-1995
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Action: RAO

Status: REPORT
Action: REL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 15-Dec-1994
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 19-Dec-1994
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** RNF
Date: 24-Feb-1995
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** IRA
Date: 14-Feb-1995
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC **Action:** RAO
Date: 20-Dec-1995
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
40	2 of 2	W	0.41 / 2,167.05	197.27 / 25	FMR AMHERST AREA WORK CENTER 246 COLLEGE ST AND S WHITNEY ST AMHERST MA	RELEASE

RTN: 1-0010661
Compliance Date: 12/14/1995
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 12/15/1994
Source: UST
Reporting Category: TWO HR
Site (EEA Data): FMR AMHERST AREA WORK CENTER
Rel Add(EEA Data): 246 COLLEGE ST AND S WHITNEY ST
Town (EEA Data): AMHERST
Phase Desc:
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: INDUSTRIAL
Site Name (BWSC): FMR AMHERST AREA WORK CENTER
Address (BWSC): 246 COLLEGE ST AND S WHITNEY ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010661
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010661
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: OIL
Amount:
Units:

Chemical: TPH
Amount: 6196
Units: PPMV

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Information (BWSC)

Status:	ISSUED	***Action:***	NOR
Date:	19-Dec-1994		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	RAORCD	***Action:***	RAO
Date:	14-Dec-1995		
Action Description:	Response Action Outcome -RAO		
Status Description:	RAO Statement Received (retired)		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	RNF
Date:	24-Feb-1995		
Action Description:	Release Notification Form Received		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	CSRCVD	***Action:***	IRA
Date:	14-Feb-1995		
Action Description:	Immediate Response Action		
Status Description:	Completion Statement Received		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	FEEREC	***Action:***	RAO
Date:	20-Dec-1995		
Action Description:	Response Action Outcome -RAO		
Status Description:	Fee Received		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	REL
Date:	15-Dec-1994		
Action Description:	Release Disposition		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	APORAL	***Action:***	IRA
Date:	15-Dec-1994		
Action Description:	Immediate Response Action		
Status Description:	Oral Approval of Plan or Action		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Release (BWSC) Detail

Prim ID:		***Category:***	TWO HR
Current Status:	RAO	***Phase:***	
Current St Desc:	Response Action Outcome	***RAO Class:***	A2
Current Date:	14-Dec-1995	***OHM:***	Oil
OFC Notification:	15-Dec-1994		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Other Rela:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	*1 of 1*	*W*	*0.54 / 2,829.15*	*221.06 / 48*	***MULTI-FAMILY RESIDENCE 165-167 COLLEGE STREET AMHERST MA***	***RELEASE***

RTN:	1-0020991	***Phase:***	
Compliance Date:	01/23/2020	***RAO Class:***	PN
Compliance Status:	PSNC	***Chemical Type:***	
Compl Status Desc:	Permanent Solution with No Conditions	***Location Type:***	PRIVPROP, RESIDNTIAL
Notification Date:	11/17/2019	***Site Name (BWSC):***	MULTI-FAMILY RESIDENCE
Source:	AST	***Address (BWSC):***	165-167 COLLEGE STREET
Reporting Category:	TWO HR	***Town (BWSC):***	AMHERST
Site (EEA Data):	MULTI-FAMILY RESIDENCE	***Zip Code (BWSC):***	
Rel Add(EEA Data):	165-167 COLLEGE STREET	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:			
RAO Class Desc:	Permanent Solution with No Conditions		
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0020991		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0020991		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Action Information (BWSC)

Status:	APORMD	***Action:***	IRA
Date:	21-Nov-2019		
Action Description:	Immediate Response Action		
Status Description:	Oral Approval of a Modified Plan		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	CSRCVD	***Action:***	IRA
Date:	23-Jan-2020		
Action Description:	Immediate Response Action		
Status Description:	Completion Statement Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	PSNRCD	***Action:***	RAO
Date:	23-Jan-2020		
Action Description:	Response Action Outcome -RAO		
Status Description:	Permanent Solution with No Conditions		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	RECPT	***Action:***	BOL
Date:	23-Nov-2019		
Action Description:	Bill of Lading		
Status Description:	Transmittal, Notice, or Notification Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	ISSUED	***Action:***	NOR
Date:	19-Nov-2019		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	REPORT	***Action:***	REL
Date:	18-Nov-2019		
Action Description:	Release Disposition		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	RECPT	***Action:***	BOL
Date:	26-Nov-2019		
Action Description:	Bill of Lading		
Status Description:	Transmittal, Notice, or Notification Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	FOLFLD	***Action:***	RLFA
Date:	18-Nov-2019		
Action Description:	Site Visit or Office Follow-up		
Status Description:	Follow-up or Other Field Response		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	APORAL	***Action:***	IRA
Date:	18-Nov-2019		
Action Description:	Immediate Response Action		
Status Description:	Oral Approval of Plan or Action		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	TSAUD	***Action:***	RAO
Date:	29-Apr-2020		
Action Description:	Response Action Outcome -RAO		
Status Description:	Level I - Technical Screen Audit		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	RECPT	***Action:***	RNFE
Date:	08-Jan-2020		
Action Description:	Release Notification		
Status Description:	Transmittal, Notice, or Notification Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	SHPTMP	***Action:***	BOL
Date:	08-Jan-2020		
Action Description:	Bill of Lading		
Status Description:	Remediation was Shipped to a Temporary Location		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	LESS	***Action:***	REL
Date:	17-Nov-2019		
Action Description:	Release Disposition		
Status Description:	Release or TOR Less than Reporting Requirement		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	FLDD1A	***Action:***	RLFA
Date:	17-Nov-2019		
Action Description:	Site Visit or Office Follow-up		
Status Description:	Initial Compliance Field Response - Announced		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	FLDRAN	***Action:***	RLFA
Date:	18-Nov-2019		
Action Description:	Site Visit or Office Follow-up		
Status Description:	Compliance Field Response - Announced		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Release (BWSC) Detail

Prim ID:		***Category:***	TWO HR
Current Status:	PSNC	***Phase:***	
Current St Desc:	Permanent Solution with No Conditions	***RAO Class:***	PN
Current Date:	23-Jan-2020	***OHM:***	
OFC Notification:	17-Nov-2019		
Phase Desc:			
RAO Class Desc:	Permanent Solution with No Conditions		
Other Rela:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	1 of 1	W	0.56 / 2,947.81	226.73 / 54	NO LOCATION AID 150 COLLEGE STREET AMHERST MA	RELEASE

RTN: 1-0021440
Compliance Date: 10/21/2021
Compliance Status: UNCLASSIFIED
Compl Status Desc: Unclassified
Notification Date: 10/21/2021
Source:
Reporting Category: 120 DY
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 150 COLLEGE STREET
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Phase:
RAO Class:
Chemical Type:
Location Type:
Site Name (BWSC):
Address (BWSC):
Town (BWSC):
Zip Code (BWSC):
OFC Town (BWSC):
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0021440
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0021440
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	1 of 1	SSE	0.57 / 2,984.49	170.58 / -2	NO LOCATION AID 293 BELCHERTOWN RD AMHERST MA	RELEASE

RTN: 1-0011088
Compliance Date: 06/13/1997
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/12/1995
Source:
Reporting Category: 120 DY
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 293 BELCHERTOWN RD
Town (EEA Data): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Phase: PHASE II
RAO Class: A3
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 293 BELCHERTOWN RD
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011088
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011088
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 8870
Units: PPM

Chemical: #2 FUEL OIL
Amount: 316
Units: PPM

Chemical: PETROLEUM
Amount:
Units:

Action Information (BWSC)

Status: NAFNVD
Date: 10-Apr-2008
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action: AUDCOM

Status: SNAUDI **Action:** AUL
Date: 10-Apr-2008
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT **Action:** REL
Date: 12-Oct-1995
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 18-Sep-2014
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NOA **Action:** AUDCOM
Date: 28-Nov-1997
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ACTAUD **Action:** RAO
Date: 28-Nov-1997
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN **Action:** RLFA
Date: 15-Sep-2014
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FOLOFF **Action:** RLFA
Date: 06-Nov-1996
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ACTAUD **Action:** TCLASS
Date: 28-Nov-1997
Action Description: Tier Classification
Status Description: Level III - Comprehensive Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ACTAUD **Action:** AUL
Date: 28-Nov-1997
Action Description: Activity and Use Limitation
Status Description: Level III - Comprehensive Audit
RAO Class: A3

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI ***Action:*** AUL
Date: 09-Aug-2004
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ACTAUD ***Action:*** PHASEI
Date: 28-Nov-1997
Action Description: Phase 1
Status Description: Level III - Comprehensive Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: PLANWR ***Action:*** RAM
Date: 09-Oct-1996
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FOLFLD ***Action:*** RLFA
Date: 12-Oct-1995
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT ***Action:*** TCLASS
Date: 06-Mar-1997
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RFI ***Action:*** C&E
Date: 28-Nov-1997
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ACTAUD ***Action:*** RAM
Date: 28-Nov-1997
Action Description: Release Abatement Measure
Status Description: Level III - Comprehensive Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RAORCD ***Action:*** RAO
Date: 13-Jun-1997
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 06-Aug-2004

Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 09-Aug-2004
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: INTLET **Action:** C&E
Date: 29-Dec-1997
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRAN **Action:** RLFA
Date: 17-Dec-1997
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FEEREC **Action:** RAM
Date: 10-Oct-1996
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN **Action:** RLFA
Date: 08-Apr-2008
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI **Action:** AUL
Date: 18-Sep-2014
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ISSUED **Action:** NOR
Date: 18-Oct-1995
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD **Action:** PHASEI
Date: 06-Mar-1997
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT **Action:** RNF
Date: 12-Oct-1995
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 29-Dec-1997
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFVIO **Action:** AUDCOM
Date: 29-Dec-1997
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT **Action:** AUL
Date: 13-Jun-1997
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TIERII **Action:** TCLASS
Date: 06-Mar-1997
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 13-Jun-1997
OFC Notification: 12-Oct-1995
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:
Category: 120 DY
Phase: PHASE II
RAO Class: A3
OHM: Oil

44	1 of 1	W	0.57 / 3,033.55	230.50 / 58	STEAM PLANT 151 COLLEGE ST AMHERST MA	RELEASE

RTN: 1-0013847
Compliance Date: 03/21/2002
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 03/24/2001
Source: UST
Reporting Category: 72 HR
Site (EEA Data): STEAM PLANT
Rel Add(EEA Data): 151 COLLEGE ST
Town (EEA Data): AMHERST
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type:
Site Name (BWSC): STEAM PLANT
Address (BWSC): 151 COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013847
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013847
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #6 FUEL OIL
Amount:
Units:

Action Information (BWSC)

Status: APORAL ***Action:*** IRA
Date: 24-Mar-2001
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 21-Mar-2002
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***Action:*** IRA
Date: 16-Jan-2001
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO
Date: 10-Jun-2005
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 24-Mar-2001
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN ***Action:*** RLFA
Date: 13-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 26-Mar-2001
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD ***Action:*** IRA
Date: 17-May-2001
Action Description: Immediate Response Action

Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD **Action:** IRA
Date: 19-Jun-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 22-Jan-2002
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 11-Jul-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 20-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 12-Jul-2001
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: SNAUDI **Action:** IRA
Date: 09-Jan-2001
Action Description: Immediate Response Action
Status Description: Level II - Audit Inspection
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 03-Jul-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ALSENT **Action:** NOR
Date: 14-Jan-2002
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 13-Jul-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** RNF
Date: 02-Apr-2001

Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 13-Jan-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 08-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD **Action:** IRA
Date: 28-Jun-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 27-Sep-1999
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 28-Mar-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 21-Mar-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 15-Sep-1999
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APWRIT **Action:** IRA
Date: 06-Jul-2001
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 13-Apr-2001
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:		***Category:***	72 HR
Current Status:	RAO	***Phase:***	
Current St Desc:	Response Action Outcome	***RAO Class:***	A2
Current Date:	21-Mar-2002	***OHM:***	Oil
OFC Notification:	24-Mar-2001		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Other Rela:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
45	1 of 1	W	0.64 / 3,362.23	253.69 / 81	CLASSIC CHEVROLET 40 DICKINSON ST AMHERST MA	RELEASE

RTN:	1-0015758	***Phase:***	PHASE II
Compliance Date:	11/11/2009	***RAO Class:***	A2
Compliance Status:	RAO	***Chemical Type:***	Oil and Hazardous Material
Compl Status Desc:	Response Action Outcome	***Location Type:***	
Notification Date:	05/10/2005	***Site Name (BWSC):***	CLASSIC CHEVROLET
Source:	UST	***Address (BWSC):***	40 DICKINSON ST
Reporting Category:	120 DY	***Town (BWSC):***	AMHERST
Site (EEA Data):	CLASSIC CHEVROLET	***Zip Code (BWSC):***	
Rel Add(EEA Data):	40 DICKINSON ST	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:	Comprehensive Site Assessment		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015758		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015758		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical:	BENZO[A]ANTHRACENE
Amount:	4160
Units:	PPM
Chemical:	SILVER
Amount:	0.0175
Units:	PPM
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount:	279
Units:	PPM
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount:	4.07
Units:	PPM

Action Information (BWSC)

Status:	PLANWR	***Action:***	RAM
Date:	11-Mar-2009		
Action Description:	Release Abatement Measure		
Status Description:	Written Plan Received		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Status:	RAORCD	***Action:***	RAO
Date:	11-Nov-2009		
Action Description:	Response Action Outcome -RAO		
Status Description:	RAO Statement Received (retired)		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status: REPORT **Action:** RNF
Date: 10-May-2005
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ALSENT **Action:** NOR
Date: 14-Mar-2006
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 17-May-2005
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** RAM
Date: 11-Nov-2009
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ACO **Action:** C&E
Date: 16-Jul-2008
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** RAM
Date: 24-Aug-2007
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** RAM
Date: 31-Aug-2006
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAM
Date: 09-Jul-2009
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REVRCD **Action:** RAO
Date: 18-Nov-2010
Action Description: Response Action Outcome -RAO
Status Description: Revised Statement or Transmittal Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 30-Jul-2012
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **Action:** TCLASS
Date: 17-May-2006
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NOA **Action:** AUDCOM
Date: 18-May-2010
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: AMEND **Action:** C&E
Date: 22-Sep-2009
Action Description:
Status Description: Amendment Received or Issued (LLE or HLE)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NDMDRC **Action:** PHASII
Date: 16-May-2008
Action Description: Phase 2
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 24-Dec-2009
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FNON **Action:** C&E
Date: 31-May-2006
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: SOW **Action:** PHASII
Date: 17-May-2006
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ACTAUD **Action:** RAO
Date: 15-Jun-2010
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 17-Nov-2010
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: AFUCS **Action:** AUDCOM
Date: 16-Nov-2010
Action Description:
Status Description:

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RFI **Action:** AUDCOM
Date: 18-May-2010
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEECRD **Action:** RAM
Date: 30-Jun-2009
Action Description: Release Abatement Measure
Status Description: Fee Not Required - Fee Credited
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** RAM
Date: 29-Jun-2009
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NDMDRC **Action:** PHASII
Date: 17-May-2006
Action Description: Phase 2
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC **Action:** RAM
Date: 07-May-2009
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** RAM
Date: 28-Apr-2006
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NDMDRC **Action:** RAO
Date: 05-Nov-2010
Action Description: Response Action Outcome -RAO
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 01-May-2006
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NAFNON **Action:** AUDCOM
Date: 15-Jun-2010
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** PHASEI
Date: 17-May-2006
Action Description: Phase 1

Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 27-May-2010
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 06-Nov-2008
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** TCLASS
Date: 17-May-2006
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NON **Action:** C&E
Date: 30-Jul-2007
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RMRINI **Action:** RAM
Date: 31-Aug-2006
Action Description: Release Abatement Measure
Status Description: RMR Initial Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 10-May-2005
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 04-May-2006
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 09-May-2006
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN **Action:** RLFA
Date: 30-May-2006
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** RNF
Date: 26-May-2006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 11-Nov-2009
OFC Notification: 10-May-2005
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 120 DY
Phase: PHASE II
RAO Class: A2
OHM: Oil and Hazardous Material

46	1 of 1	WSW	0.66 / 3,480.82	225.49 / 53	AMHERST COLLEGE GASOLINE AST AREA 100 EAST DRIVE AMHERST MA	RELEASE

RTN: 1-0020077
Compliance Date: 11/09/2016
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 09/13/2016
Source: AST, HOSE, OHMDELIVER, TANKER
Reporting Category: TWO HR
Site (EEA Data): AMHERST COLLEGE GASOLINE AST AREA
Rel Add(EEA Data): 100 EAST DRIVE
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0020077
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0020077
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: PN
Chemical Type:
Location Type: COMMERCIAL, PRIVPROP, ROADWAY
Site Name (BWSC): AMHERST COLLEGE GASOLINE AST AREA
Address (BWSC): 100 EAST DRIVE
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Action Information (BWSC)

Status: REPORT
Date: 20-Sep-2016
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
Action: REL

Status: PSNRCD
Date: 09-Nov-2016
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
Action: RAO

Status: REPORT
Date: 13-Sep-2016
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
Action: REL

Status: APORAL
Date: 13-Sep-2016
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
Action: IRA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED **Action:** NOR
Date: 14-Sep-2016
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **Action:** RNFE
Date: 22-Sep-2016
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL **Action:** IRA
Date: 20-Sep-2016
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **Action:** RAO
Date: 28-Mar-2017
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDD1A **Action:** RLFA
Date: 13-Sep-2016
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: PSNC **Phase:**
Current St Desc: Permanent Solution with No Conditions **RAO Class:** PN
Current Date: 09-Nov-2016 **OHM:**
OFC Notification: 13-Sep-2016
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
47	1 of 1	WNW	0.69 / 3,647.22	303.65 / 131	AMHERST/PELHAM REGIONAL HIGH SCHOOL 21 MATTOON ST AMHERST MA	RELEASE

RTN: 1-0011909 **Phase:**
Compliance Date: 07/16/1998 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** MUNICIPAL, SCHOOL
Notification Date: 07/11/1997 **Site Name (BWSC):** AMHERST/PELHAM REGIONAL HIGH SCHOOL
Source: UST **Address (BWSC):** 21 MATTOON ST
Reporting Category: 120 DY **Town (BWSC):** AMHERST
Site (EEA Data): AMHERST/PELHAM REGIONAL HIGH SCHOOL **Zip Code (BWSC):**
Rel Add(EEA Data): 21 MATTOON ST **OFC Town (BWSC):** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011909
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011909
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount:
Units:

Chemical: #6 FUEL OIL
Amount:
Units:

Action Information (BWSC)

Status: RAORCD ***Action:*** RAO
Date: 16-Jul-1998
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NOA ***Action:*** AUDCOM
Date: 06-Mar-2000
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RFI ***Action:*** AUDCOM
Date: 06-Mar-2000
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** RAM
Date: 28-Aug-1997
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***Action:*** RAM
Date: 27-Aug-1997
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***Action:*** RAO
Date: 17-Jul-1998
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 21-Jul-1997
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 24-Jul-1997
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 11-Jul-1997
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NAFVIO **Action:** AUDCOM
Date: 02-May-2000
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** RAM
Date: 11-Jul-1997
Action Description: Release Abatement Measure
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN **Action:** RLFA
Date: 31-Mar-2000
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 120 DY
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 16-Jul-1998
OHM: Oil
OFC Notification: 11-Jul-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	1 of 1	WSW	0.75 / 3,944.09	270.72 / 98	MERRILL SCIENCE BUILDING 21 MERRILL SCIENCE DR AMHERST MA	RELEASE

RTN: 1-0019032
Phase:
Compliance Date: 10/04/2013
RAO Class: A2
Compliance Status: RAO
Chemical Type:
Compl Status Desc: Response Action Outcome
Location Type: SCHOOL
Notification Date: 03/11/2013
Site Name (BWSC): MERRILL SCIENCE BUILDING
Source: UNKNOWN
Address (BWSC): 21 MERRILL SCIENCE DR
Reporting Category: TWO HR
Town (BWSC): AMHERST
Site (EEA Data): MERRILL SCIENCE BUILDING
Zip Code (BWSC): 010020000
Rel Add(EEA Data): 21 MERRILL SCIENCE DR
OFC Town (BWSC): AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0019032
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0019032
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: PCBS
Amount: 13.4
Units: PPM

Action Information (BWSC)

Status: SHPFAC ***Action:*** BOL
Date: 04-Sep-2013
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR ***Action:*** RAM
Date: 18-Jul-2013
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 04-Oct-2013
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 02-May-2013
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***Action:*** BOL
Date: 04-Aug-2013
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 12-Mar-2013
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO
Date: 18-Nov-2013
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***Action:*** RAM
Date: 23-Jul-2013
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 11-Mar-2013
Action Description: Release Disposition

Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** RNFE
Date: 02-May-2013
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC **Action:** RAO
Date: 07-Oct-2013
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 11-Mar-2013
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 04-Oct-2013 **OHM:**
OFC Notification: 11-Mar-2013
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	1 of 1	W	0.77 / 4,048.80	284.45 / 112	DEHER RESIDENCE 22 SEELYE ST AMHERST MA	RELEASE

RTN: 1-0012910 **Phase:**
Compliance Date: 09/20/1999 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** RESIDNTIAL
Notification Date: 04/28/1999 **Site Name (BWSC):** DEHER RESIDENCE
Source: UST **Address (BWSC):** 22 SEELYE ST
Reporting Category: 72 HR **Town (BWSC):** AMHERST
Site (EEA Data): DEHER RESIDENCE **Zip Code (BWSC):**
Rel Add(EEA Data): 22 SEELYE ST **OFC Town (BWSC):** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0012910
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0012910
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 173
Units: PPMV

Action Information (BWSC)

Status: FEEREC **Action:** RAO
Date: 21-Sep-1999
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 20-Sep-1999
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 30-Apr-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 08-Jun-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** IRA
Date: 20-Sep-1999
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 28-Jun-1999
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD **Action:** RLFA
Date: 06-May-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 07-May-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 22-Jun-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 06-May-1999
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 28-Apr-1999
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** RNF
Date: 28-Jun-1999
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 13-May-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 07-May-1999
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1A **Action:** RLFA
Date: 29-Apr-1999
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD **Action:** RLFA
Date: 12-May-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 72 HR
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 20-Sep-1999
OHM: Oil
OFC Notification: 28-Apr-1999
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

50	1 of 1	NNW	0.80 / 4,228.90	298.55 / 126	DETHIER RESIDENCE 331 STRONG STREET AMHERST MA	RELEASE

RTN: 1-0018325
Phase:
Compliance Date: 10/25/2011
RAO Class: A2
Compliance Status: RAO
Chemical Type: Oil
Compl Status Desc: Response Action Outcome
Location Type: PRIVPROP, RESIDNTIAL
Notification Date: 06/27/2011
Site Name (BWSC): DETHIER RESIDENCE
Source: UST
Address (BWSC): 331 STRONG STREET
Reporting Category: 72 HR
Town (BWSC): AMHERST
Site (EEA Data): DETHIER RESIDENCE
Zip Code (BWSC): 010020000
Rel Add(EEA Data): 331 STRONG STREET
OFC Town (BWSC): AMHERST

Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0018325
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0018325
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 190
Units: PPMV

Action Information (BWSC)

Status: APORAL **Action:** IRA
Date: 27-Jun-2011
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 25-Oct-2011
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 20-Dec-2011
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 19-Aug-2011
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** RNFE
Date: 16-Aug-2011
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 27-Jun-2011
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 30-Jun-2011
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 25-Oct-2011
OFC Notification: 27-Jun-2011
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 72 HR
Phase:
RAO Class: A2
OHM: Oil

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51 | **1 of 1** | **E** | **0.82 / 4,354.15** | **264.99 / 92** | **POLE # 3**
107 ALPINE DRIVE
AMHERST MA | **RELEASE**

RTN: 1-0018528
Compliance Date: 12/21/2011
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 11/03/2011
Source: TRANSFORM
Reporting Category: TWO HR
Site (EEA Data): POLE # 3
Rel Add(EEA Data): 107 ALPINE DRIVE
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0018528
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0018528
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: A2
Chemical Type:
Location Type: ROADWAY
Site Name (BWSC): POLE # 3
Address (BWSC): 107 ALPINE DRIVE
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: MODEF
Amount: 15
Units: GAL

Action Information (BWSC)

Status: APORAL
Date: 03-Nov-2011
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Action: IRA

Status: RAORCD
Date: 21-Dec-2011
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Action: RAO

Status: RECPT
Date: 21-Dec-2011
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Action: RNFE

Status: TSAUD
Date: 13-Feb-2012
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Action: RAO

Status: ISSUED **Action:** NOR
Date: 08-Nov-2011
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 03-Nov-2011
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 21-Dec-2011
OFC Notification: 03-Nov-2011
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: TWO HR
Phase:
RAO Class: A2
OHM:

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52 | **1 of 1** | **W** | **0.85 / 4,511.22** | **284.66 / 112** | **AMHERST POLICE STATION**
111 MAIN STREET
AMHERST MA | **RELEASE**

RTN: 1-0019727
Compliance Date: 07/29/2015
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 06/02/2015
Source: UST, USTOTHER
Reporting Category: 72 HR
Site (EEA Data): AMHERST POLICE STATION
Rel Add(EEA Data): 111 MAIN STREET
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0019727
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0019727
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: PN
Chemical Type: Oil
Location Type: COMMERCIAL, MUNICIPAL
Site Name (BWSC): AMHERST POLICE STATION
Address (BWSC): 111 MAIN STREET
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 400
Units: PPMV

Action Information (BWSC)

Status: CSRCVD **Action:** IRA
Date: 29-Jul-2015
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD **Action:** RAO
Date: 29-Jul-2015
Action Description: Response Action Outcome -RAO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **Action:** REL
Date: 02-Jun-2015
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **Action:** BOL
Date: 23-Jun-2015
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SHPFAC **Action:** BOL
Date: 27-Jul-2015
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL **Action:** IRA
Date: 02-Jun-2015
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED **Action:** NOR
Date: 02-Jun-2015
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **Action:** RAO
Date: 21-Dec-2015
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **Action:** RNFE
Date: 29-Jul-2015
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: PSNC **Phase:**
Current St Desc: Permanent Solution with No Conditions **RAO Class:** PN
Current Date: 29-Jul-2015 **OHM:** Oil
OFC Notification: 02-Jun-2015
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

53	1 of 1	W	0.87 / 4,591.32	285.05 / 112	AMHERST COLLEGE PLIMPTON HOUSE 22 LESSEY ST	RELEASE

AMHERST MA

RTN:	1-0010489	***Phase:***	
Compliance Date:	09/29/1994	***RAO Class:***	A2
Compliance Status:	RAO	***Chemical Type:***	Oil
Compl Status Desc:	Response Action Outcome	***Location Type:***	SCHOOL
Notification Date:	08/30/1994	***Site Name (BWSC):***	AMHERST COLLEGE PLIMPTON HOUSE
Source:	UST	***Address (BWSC):***	22 LESSEY ST
Reporting Category:	TWO HR	***Town (BWSC):***	AMHERST
Site (EEA Data):	AMHERST COLLEGE PLIMPTON HOUSE	***Zip Code (BWSC):***	01002
Rel Add(EEA Data):	22 LESSEY ST	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010489		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010489		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical:	#2 FUEL OIL
Amount:	
Units:	

Chemical:	#2 FUEL OIL
Amount:	10
Units:	GAL

Action Information (BWSC)

Status:	APORAL	***Action:***	IRA
Date:	30-Aug-1994		
Action Description:	Immediate Response Action		
Status Description:	Oral Approval of Plan or Action		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	ISSUED	***Action:***	NOR
Date:	02-Sep-1994		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	REL
Date:	30-Aug-1994		
Action Description:	Release Disposition		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	RAORCD	***Action:***	RAO
Date:	29-Sep-1994		
Action Description:	Response Action Outcome -RAO		
Status Description:	RAO Statement Received (retired)		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	RNF
Date:	29-Sep-1994		
Action Description:	Release Notification Form Received		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release (BWSC) Detail

Prim ID:		***Category:***	TWO HR
Current Status:	RAO	***Phase:***	
Current St Desc:	Response Action Outcome	***RAO Class:***	A2
Current Date:	29-Sep-1994	***OHM:***	Oil
OFC Notification:	30-Aug-1994		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Other Rela:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
54	1 of 1	SE	0.90 / 4,751.96	209.97 / 37	ROLLING GREEN APARTMENTS 1A ROLLING GREEN DR AMHERST MA	RELEASE

RTN:	1-0014490	***Phase:***	
Compliance Date:	09/17/2002	***RAO Class:***	A2
Compliance Status:	RAO	***Chemical Type:***	Oil
Compl Status Desc:	Response Action Outcome	***Location Type:***	COMMERCIAL, RESIDNTIAL
Notification Date:	07/19/2002	***Site Name (BWSC):***	ROLLING GREEN APARTMENTS
Source:	VEHICLE	***Address (BWSC):***	1A ROLLING GREEN DR
Reporting Category:	TWO HR	***Town (BWSC):***	AMHERST
Site (EEA Data):	ROLLING GREEN APARTMENTS	***Zip Code (BWSC):***	
Rel Add(EEA Data):	1A ROLLING GREEN DR	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0014490		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0014490		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical:	WASTE OIL
Amount:	
Units:	

Action Information (BWSC)

Status:	CSRCVD	***Action:***	IRA
Date:	17-Sep-2002		
Action Description:	Immediate Response Action		
Status Description:	Completion Statement Received		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	REL
Date:	19-Jul-2002		
Action Description:	Release Disposition		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	RNF
Date:	17-Sep-2002		
Action Description:	Release Notification Form Received		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	RAORCD	***Action:***	RAO
Date:	17-Sep-2002		
Action Description:	Response Action Outcome -RAO		
Status Description:	RAO Statement Received (retired)		

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 19-Jul-2002
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 17-Sep-2002
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 22-Jul-2002
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 17-Sep-2002 **OHM:** Oil
OFC Notification: 19-Jul-2002
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	1 of 2	WNW	0.91 / 4,788.50	283.73 / 111	EDS GETTY 203 TRIANGLE ST AMHERST MA	RELEASE

RTN: 1-0000895 **Phase:**
Compliance Date: 05/28/1996 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:**
Compl Status Desc: Response Action Outcome **Location Type:**
Notification Date: 04/09/1991 **Site Name (BWSC):** EDS GETTY
Source: **Address (BWSC):** 203 TRIANGLE ST
Reporting Category: NONE **Town (BWSC):** AMHERST
Site (EEA Data): EDS GETTY **Zip Code (BWSC):** 01002
Rel Add(EEA Data): 203 TRIANGLE ST **OFC Town (BWSC):** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000895
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000895
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: PLANWR **Action:** RAM

Date: 31-Oct-1994
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 28-May-1996
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** RAM
Date: 04-Aug-1995
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 09-Apr-1991
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC **Action:** RAM
Date: 04-Nov-1994
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** RAM
Date: 18-Jan-1996
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** RAM
Date: 31-Mar-1995
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APWRIT **Action:** RAM
Date: 07-Nov-1994
Action Description: Release Abatement Measure
Status Description: Written Approval of Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TCTRNS **Action:** REL
Date: 09-Apr-1991
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** RAM
Date: 14-Mar-1995
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: LSPFA **Action:** TREGS
Date: 31-Oct-1994
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** RAM
Date: 23-Oct-1995
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 28-May-1996
OFC Notification: 09-Apr-1991
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: NONE
Phase:
RAO Class: A2
OHM:

55	2 of 2	WNW	0.91 / 4,788.50	283.73 / 111	FORMER GETTY STATION 203 TRIANGLE ST AMHERST MA	RELEASE

RTN: 1-0010840
Compliance Date: 05/28/1996
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 04/28/1995
Source: UST
Reporting Category: 72 HR
Site (EEA Data): FORMER GETTY STATION
Rel Add(EEA Data): 203 TRIANGLE ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010840
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010840
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class:
Chemical Type: Oil
Location Type: COMMERCIAL
Site Name (BWSC): FORMER GETTY STATION
Address (BWSC): 203 TRIANGLE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 1000
Units: PPMV

Chemical: GASOLINE
Amount: 1000
Units: PPM

Action Information (BWSC)

Status: CSRCVD **Action:** IRA
Date: 23-Oct-1995
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: TRANS **Action:** RAONR
Date: 23-Oct-1995
Action Description: RAO Not Required
Status Description: Linked to a Transition Site (retired)
RAO Class:
RAO Class Desc:

Status: ISSUED **Action:** NOR
Date: 02-May-1995
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: FOLOFF **Action:** RLFA
Date: 28-Apr-1995
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: NON **Action:** C&E
Date: 13-Oct-1995
Action Description:
Status Description:
RAO Class:
RAO Class Desc:

Status: APORAL **Action:** IRA
Date: 28-Apr-1995
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: FOLOFF **Action:** RLFA
Date: 24-Oct-1995
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: REPORT **Action:** RNF
Date: 27-Jun-1995
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: PLANWR **Action:** IRA
Date: 27-Jun-1995
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: STRCVD **Action:** IRA
Date: 23-Oct-1995
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: RAORCD **Action:** RAO
Date: 28-May-1996
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class:
RAO Class Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: REPORT ***Action:*** REL
Date: 28-Apr-1995
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: FOLOFF ***Action:*** RLFA
Date: 27-Jun-1995
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:***
Current Date: 28-May-1996 ***OHM:*** Oil
OFC Notification: 28-Apr-1995
Phase Desc:
RAO Class Desc:
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
56	1 of 1	W	0.91 / 4,800.13	290.64 / 118	POLE #4 33 KELLOGG AVE AMHERST MA	RELEASE

RTN: 1-0015809 ***Phase:***
Compliance Date: 08/24/2005 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:***
Compl Status Desc: Response Action Outcome ***Location Type:*** RESIDNTIAL, ROADWAY
Notification Date: 06/26/2005 ***Site Name (BWSC):*** POLE #4
Source: TRANSFORM ***Address (BWSC):*** 33 KELLOGG AVE
Reporting Category: TWO HR ***Town (BWSC):*** AMHERST
Site (EEA Data): POLE #4 ***Zip Code (BWSC):***
Rel Add(EEA Data): 33 KELLOGG AVE ***OFC Town (BWSC):*** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015809
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015809
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TRANSFORMER OIL NON PCB
Amount: 25
Units: GAL

Action Information (BWSC)

Status: REPORT ***Action:*** RNF
Date: 11-Jul-2005
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL ***Action:*** IRA

Date: 26-Jun-2005
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD **Action:** RAO
Date: 24-Aug-2005
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** REL
Date: 26-Jun-2005
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED **Action:** NOR
Date: 28-Jun-2005
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TSAUD **Action:** RAO
Date: 19-Sep-2005
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDD1U **Action:** RLFA
Date: 26-Jun-2005
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF **Action:** RLFA
Date: 26-Jun-2005
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A1
Current Date: 24-Aug-2005 **OHM:**
OFC Notification: 26-Jun-2005
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
57	1 of 2	W	0.92 / 4,881.79	295.83 / 123	LORD JEFFERY INN 30 BOLTWOOD AVENUE AMHERST MA	RELEASE

RTN: 1-0018042
Compliance Date: 02/10/2011
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 11/24/2010
Source: PIPE, UNKNOWN
Reporting Category: 120 DY
Site (EEA Data): LORD JEFFERY INN
Rel Add(EEA Data): 30 BOLTWOOD AVENUE
Town (EEA Data): AMHERST
Phase Desc:

Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: COMMERCIAL, RESIDNTIAL
Site Name (BWSC): LORD JEFFERY INN
Address (BWSC): 30 BOLTWOOD AVENUE
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0018042
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0018042
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Amount: 3100
Units: MG/KG

Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Amount: 4800
Units: MG/KG

Action Information (BWSC)

Status: CSRCVD
Action: RAM
Date: 10-Feb-2011
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC
Action: RAM
Date: 29-Nov-2010
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR
Action: RAM
Date: 24-Nov-2010
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED
Action: NOR
Date: 13-Jan-2011
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD
Action: RAO
Date: 27-May-2011
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: RAORCD **Action:** RAO
Date: 10-Feb-2011
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 24-Nov-2010
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** RNFE
Date: 24-Nov-2010
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 120 DY
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 10-Feb-2011
OHM: Oil
OFC Notification: 24-Nov-2010
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
57	2 of 2	W	0.92 / 4,881.79	295.83 / 123	LORD JEFFREY INN 30 BOLTWOOD AVE AMHERST MA	RELEASE

RTN: 1-0011214
Phase:
Compliance Date: 03/22/1996
RAO Class: A1
Compliance Status: RAO
Chemical Type: Oil
Compl Status Desc: Response Action Outcome
Location Type: COMMERCIAL, RESIDNTIAL
Notification Date: 01/23/1996
Site Name (BWSC): LORD JEFFREY INN
Source: PIPE
Address (BWSC): 30 BOLTWOOD AVE
Reporting Category: TWO HR
Town (BWSC): AMHERST
Site (EEA Data): LORD JEFFREY INN
Zip Code (BWSC):
Rel Add(EEA Data): 30 BOLTWOOD AVE
OFC Town (BWSC): AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011214
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011214
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 60
Units: GAL

Action Information (BWSC)

Status: RAORCD **Action:** RAO
Date: 22-Mar-1996

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLFLD **Action:** RLFA
Date: 23-Jan-1996
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** RNF
Date: 22-Mar-1996
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED **Action:** NOR
Date: 29-Jan-1996
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** REL
Date: 23-Jan-1996
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID:
Category: TWO HR
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A1
Current Date: 22-Mar-1996
OHM: Oil
OFC Notification: 23-Jan-1996
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
58	1 of 1	W	0.95 / 4,994.51	301.81 / 129	NO LOCATION AID 40-50 MAIN ST AMHERST MA	RELEASE

RTN: 1-0014556
Phase: PHASE II
Compliance Date: 09/12/2005
RAO Class: A2
Compliance Status: RAO
Chemical Type:
Compl Status Desc: Response Action Outcome
Location Type:
Notification Date: 09/05/2002
Site Name (BWSC): NO LOCATION AID
Source:
Address (BWSC): 40-50 MAIN ST
Reporting Category: 120 DY
Town (BWSC): AMHERST
Site (EEA Data): NO LOCATION AID
Zip Code (BWSC):
Rel Add(EEA Data): 40-50 MAIN ST
OFC Town (BWSC): AMHERST
Town (EEA Data): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0014556

Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0014556
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: EPH
Amount:
Units:

Chemical: VPH
Amount:
Units:

Action Information (BWSC)

Status: RAORCD ***Action:*** RAO
Date: 12-Sep-2005
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 06-May-2003
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 05-Sep-2002
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APWRIT ***Action:*** IRA
Date: 08-May-2003
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** IRA
Date: 12-Sep-2005
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 05-Sep-2002
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ALSENT ***Action:*** NOR
Date: 12-Aug-2003
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII ***Action:*** TCLASS
Date: 11-Sep-2003

Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 10-Jun-2004
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** PHASEI
Date: 11-Sep-2003
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 06-May-2003
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 16-Oct-2003
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** IRA
Date: 20-Oct-2003
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: SOW **Action:** PHASII
Date: 11-Sep-2003
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 21-Sep-2006
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 18-Jul-2003
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 28-Feb-2005
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 10-Sep-2002
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** PHASEI
Date: 01-Dec-2004
Action Description: Phase 1
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** TCLASS
Date: 11-Sep-2003
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 120 DY
Current Status: RAO
Phase: PHASE II
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 12-Sep-2005
OHM:
OFC Notification: 05-Sep-2002
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

59	1 of 1	W	0.95 / 5,002.03	304.10 / 132	MARKET BUILDING 34 MAIN ST AMHERST MA	RELEASE

RTN: 1-0010985
Compliance Date: 11/01/2002
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 08/03/1995
Source: UST
Reporting Category: 72 HR
Site (EEA Data): MARKET BUILDING
Rel Add(EEA Data): 34 MAIN ST
Town (EEA Data): AMHERST
Phase: PHASE II
RAO Class: A2
Chemical Type: Oil
Location Type: COMMERCIAL
Site Name (BWSC): MARKET BUILDING
Address (BWSC): 34 MAIN ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010985
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010985
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 120
Units: PPMV

Chemical: TPH
Amount: 4800
Units: MG/KG

Action Information (BWSC)

Status: NON **Action:** C&E

Date: 01-Aug-2000
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 29-Sep-1995
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 04-Jun-1996
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** PHASEI
Date: 09-Aug-1996
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: INTLET **Action:** C&E
Date: 16-Jul-2002
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** RAO
Date: 31-Oct-2003
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 08-Aug-1995
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** RNF
Date: 29-Sep-1995
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 04-Dec-1995
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 01-Nov-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: REPORT **Action:** REL
Date: 03-Aug-1995
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: T2EXT **Action:** TCLASS
Date: 26-Jun-2002
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **Action:** TCLASS
Date: 09-Aug-1996
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 03-Aug-1995
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APWRIT **Action:** IRA
Date: 04-Oct-1995
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** TCLASS
Date: 09-Aug-1996
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 72 HR
Current Status: RAO
Phase: PHASE II
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 01-Nov-2002
OHM: Oil
OFC Notification: 03-Aug-1995
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
60	1 of 1	W	0.98 / 5,160.94	313.13 / 141	AJ HASTINGS 45 SOUTH PLEASANT ST AMHERST MA	RELEASE

RTN: 1-0010552
Phase:
Compliance Date: 02/07/1995
RAO Class: A3
Compliance Status: RAO
Chemical Type: Oil
Compl Status Desc: Response Action Outcome
Location Type: COMMERCIAL
Notification Date: 10/12/1994
Site Name (BWSC): AJ HASTINGS
Source: UST
Address (BWSC): 45 SOUTH PLEASANT ST
Reporting Category: 72 HR
Town (BWSC): AMHERST
Site (EEA Data): AJ HASTINGS
Zip Code (BWSC): 01002
Rel Add(EEA Data): 45 SOUTH PLEASANT ST
OFC Town (BWSC): AMHERST
Town (EEA Data): AMHERST

Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010552
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010552
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount:
Units:

Chemical: #2 FUEL OIL
Amount: 115
Units: PPMV

Action Information (BWSC)

Status: NOA **Action:** AUDCOM
Date: 06-Aug-1999
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RAORCD **Action:** RAO
Date: 07-Feb-1995
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT **Action:** REL
Date: 12-Oct-1994
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN **Action:** RLFA
Date: 16-Nov-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FOLOFF **Action:** RLFA
Date: 10-Jan-1995
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FOLOFF **Action:** RLFA
Date: 12-Oct-1994
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 01-Apr-2008
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI **Action:** AUL
Date: 07-Dec-2015
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: APORAL **Action:** IRA
Date: 12-Oct-1994
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD **Action:** AUDCOM
Date: 18-Nov-2011
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT **Action:** AUL
Date: 07-Feb-1995
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI **Action:** AUL
Date: 01-Apr-2008
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD **Action:** AUL
Date: 01-Mar-2004
Action Description: Activity and Use Limitation
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD **Action:** IRA
Date: 10-Nov-1994
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NON **Action:** C&E
Date: 04-Oct-2002
Action Description:
Status Description:

RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ISSUED ***Action:*** NOR
Date: 14-Oct-1994
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 19-Mar-2008
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 28-Oct-1999
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: AMEND ***Action:*** AUL
Date: 02-Apr-2003
Action Description: Activity and Use Limitation
Status Description: Amendment Received or Issued (LLE or HLE)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: PLANWR ***Action:*** IRA
Date: 10-Nov-1994
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD ***Action:*** AUDCOM
Date: 03-Aug-2001
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD ***Action:*** AUDCOM
Date: 07-Dec-2015
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN ***Action:*** RLFA
Date: 07-Dec-2015
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI ***Action:*** AUL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 18-Nov-2011
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: APWRIT **Action:** IRA
Date: 17-Nov-1994
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT **Action:** RNF
Date: 22-Oct-1994
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A3
Current Date: 07-Feb-1995 **OHM:** Oil
OFC Notification: 12-Oct-1994
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

61	1 of 1	W	0.98 / 5,197.71	314.30 / 142	NO LOCATION AID 15 NORTH PLEASANT ST AMHERST MA	RELEASE

RTN: 1-0014430 **Phase:** PHASE II
Compliance Date: 06/10/2005 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** COMMERCIAL
Notification Date: 06/05/2002 **Site Name (BWSC):** NO LOCATION AID
Source: UST **Address (BWSC):** 15 NORTH PLEASANT ST
Reporting Category: 72 HR **Town (BWSC):** AMHERST
Site (EEA Data): NO LOCATION AID **Zip Code (BWSC):**
Rel Add(EEA Data): 15 NORTH PLEASANT ST **OFC Town (BWSC):** AMHERST
Town (EEA Data): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0014430
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0014430
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 100
Units: PPM

Action Information (BWSC)

Status: PLANMD **Action:** IRA

Date: 03-Feb-2003
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 25-Sep-2002
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 02-Nov-2004
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **Action:** IRA
Date: 31-Jan-2003
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **Action:** TCLASS
Date: 11-Jun-2003
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 30-Jan-2003
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** REL
Date: 05-Jun-2002
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **Action:** RNF
Date: 25-Sep-2002
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **Action:** IRA
Date: 05-Jun-2002
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORMD **Action:** IRA
Date: 01-May-2003
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 31-Mar-2003
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ALSENT **Action:** NOR
Date: 07-Apr-2003
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: SOW **Action:** PHASII
Date: 11-Jun-2003
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 08-Mar-2004
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **Action:** PHASEI
Date: 11-Jun-2003
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **Action:** RAO
Date: 10-Jun-2005
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 24-Oct-2002
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF **Action:** RLFA
Date: 01-May-2003
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **Action:** TCLASS
Date: 11-Jun-2003
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **Action:** IRA
Date: 25-Sep-2002
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **Action:** NOR
Date: 05-Jun-2002
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **Action:** IRA
Date: 20-May-2005
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Category: 72 HR
Current Status: RAO
Phase: PHASE II
Current St Desc: Response Action Outcome
RAO Class: A2
Current Date: 10-Jun-2005
OHM: Oil
OFC Notification: 05-Jun-2002
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

62	1 of 1	W	0.99 / 5,215.83	308.51 / 136	AMHERST COLLEGE 200 SOUTH PLEASANT ST AMHERST MA	RELEASE

RTN: 1-0012073
Phase:
Compliance Date: 01/05/1998
RAO Class: A1
Compliance Status: RAO
Chemical Type: Oil
Compl Status Desc: Response Action Outcome
Location Type: SCHOOL
Notification Date: 10/30/1997
Site Name (BWSC): AMHERST COLLEGE
Source: TRANSFORM
Address (BWSC): 200 SOUTH PLEASANT ST
Reporting Category: TWO HR
Town (BWSC): AMHERST
Site (EEA Data): AMHERST COLLEGE
Zip Code (BWSC): 010020000
Rel Add(EEA Data): 200 SOUTH PLEASANT ST
OFC Town (BWSC): AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0012073
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0012073
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TRANSFORMER OIL
Amount: 475
Units: GAL

Action Information (BWSC)

Status: FLDD1A **Action:** RLFA
Date: 30-Oct-1997
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** RNF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 05-Jan-1998
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT **Action:** REL
Date: 30-Oct-1997
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLFLD **Action:** RLFA
Date: 30-Oct-1997
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL **Action:** IRA
Date: 30-Oct-1997
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED **Action:** NOR
Date: 31-Oct-1997
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD **Action:** RAO
Date: 05-Jan-1998
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: RAO **Phase:**
Current St Desc: Response Action Outcome **RAO Class:** A1
Current Date: 05-Jan-1998 **OHM:** Oil
OFC Notification: 30-Oct-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

63	1 of 1	W	1.00 / 5,260.53	299.36 / 127	AMHERST FIRE DEPT 68 NORTH PLEASANT ST AMHERST MA	RELEASE

RTN: 1-0011010 **Phase:**
Compliance Date: 09/28/1995 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** MUNICIPAL

Notification Date: 09/28/1995
Source: UST
Reporting Category: 72 HR
Site (EEA Data): AMHERST FIRE DEPT
Rel Add(EEA Data): 68 NORTH PLEASANT ST
Town (EEA Data): AMHERST
Phase Desc:
Site Name (BWSC): AMHERST FIRE DEPT
Address (BWSC): 68 NORTH PLEASANT ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0011010
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0011010
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 2500
Units: PPMV

Action Information (BWSC)

Status: FOLOFF
Action: RLFA
Date: 23-Aug-1995
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED
Action: NOR
Date: 23-Aug-1995
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD
Action: RAO
Date: 28-Sep-1995
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Action: RNF
Date: 28-Sep-1995
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Action: REL
Date: 22-Aug-1995
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL
Action: IRA
Date: 25-Aug-1995
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF
Action: RLFA
Date: 22-Aug-1995
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 28-Sep-1995
OFC Notification: 28-Sep-1995
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 72 HR
Phase:
RAO Class: A2
OHM: Oil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
64	1 of 1	W	1.00 / 5,282.94	294.04 / 121	COMMERCIAL PROPERTY 103 NORTH PLEASANT STREET AMHERST MA	RELEASE

RTN: 1-0018965
Compliance Date: 01/09/2017
Compliance Status: PSC
Compl Status Desc: Permanent Solution with Conditions
Notification Date: 01/08/2013
Source: TANK, UNKNOWN, UST
Reporting Category: 72 HR
Site (EEA Data): COMMERCIAL PROPERTY
Rel Add(EEA Data): 103 NORTH PLEASANT STREET
Town (EEA Data): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: Permanent Solution with Conditions and no AUL
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0018965
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0018965
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE II
RAO Class: PC
Chemical Type:
Location Type: COMMERCIAL, PRIVPROP
Site Name (BWSC): COMMERCIAL PROPERTY
Address (BWSC): 103 NORTH PLEASANT STREET
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: LNAPL (FUEL OIL
Amount: 1
Units: INCH

Action Information (BWSC)

Status: PSCRCD
Date: 09-Jan-2017
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with Conditions and no AUL
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL
Action: RAO

Status: SHPFAC
Date: 07-Jun-2013
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL
Action: BOL

Status: CSRCVD
Date: 20-Dec-2013
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL
Action: IRA

Status: SOW
Action: PHASII

Date: 23-Dec-2013
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: FLDD1A **Action:** RLFA
Date: 23-Jan-2013
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: FLDRAN **Action:** RLFA
Date: 10-Aug-2017
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: NAFNON **Action:** AUDCOM
Date: 17-Aug-2017
Action Description:
Status Description:
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: APORAL **Action:** IRA
Date: 08-Jan-2013
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: PLANMD **Action:** IRA
Date: 13-May-2013
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: STRCVD **Action:** IRA
Date: 08-Nov-2013
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: CSRCVD **Action:** PHASEI
Date: 20-Dec-2013
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: FOLOFF **Action:** RLFA
Date: 03-Apr-2014
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: AFUCS **Action:** AUDCOM
Date: 22-Dec-2017
Action Description:
Status Description:
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: PLANWR **Action:** IRA
Date: 26-Feb-2013
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: ACTAUD **Action:** RAO
Date: 17-Aug-2017
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: AUDMOU **Action:** RAO
Date: 17-Aug-2017
Action Description: Response Action Outcome -RAO
Status Description: Record an Audit Memorandum
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: TSAUD **Action:** RAO
Date: 31-May-2017
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: REPORT **Action:** REL
Date: 08-Jan-2013
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: FOLOFF **Action:** RLFA
Date: 22-Mar-2013
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: RECPT **Action:** TCLASS
Date: 20-Dec-2013
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: TIERII **Action:** TCLASS
Date: 20-Dec-2013
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: NOA **Action:** AUDCOM
Date: 02-Aug-2017
Action Description:
Status Description:
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: RECPT **Action:** BOL
Date: 02-May-2013
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: STRCVD **Action:** IRA
Date: 13-May-2013
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: CSRCVD **Action:** PHASEI
Date: 23-Dec-2013
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: FLDRAN **Action:** RLFA
Date: 08-May-2013
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: ISSUED **Action:** NOR
Date: 10-Jan-2013
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: TSAUD **Action:** TCLASS
Date: 03-Apr-2014
Action Description: Tier Classification
Status Description: Level I - Technical Screen Audit
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: PLANMD **Action:** IRA
Date: 15-Apr-2013
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: ALSENT **Action:** NOR
Date: 08-Nov-2013
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: SOW **Action:** PHASII
Date: 20-Dec-2013
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: PSCREV **Action:** RAO
Date: 22-Dec-2017
Action Description: Response Action Outcome -RAO
Status Description: Revised Permanent Solution with Conditions and no AUL
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: FOLOFF **Action:** RLFA
Date: 07-Jun-2013
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: PC

RAO Class Desc: Permanent Solution with Conditions and no AUL

Status: REPORT ***Action:*** RNF
Date: 30-Jan-2013
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PC
RAO Class Desc: Permanent Solution with Conditions and no AUL

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: PSC ***Phase:*** PHASE II
Current St Desc: Permanent Solution with Conditions ***RAO Class:*** PC
Current Date: 09-Jan-2017 ***OHM:***
OFC Notification: 08-Jan-2013
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: Permanent Solution with Conditions and no AUL
Other Rela:

Unplottable Summary

Total: 28 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ASBESTOS PROJECT	VALENTINE HALL	COLLEGE STREET	AMHERST MA		885529819
ASBESTOS PROJECT	UNIVERSITY OF MASS	SOUTH COLLEGE	AMHERST MA		885274254
ASBESTOS PROJECT	UNIVERSITY OF MASSACHUSETTS AMHERST	SOUTH COLLEGE	AMHERST MA		885337634
AUL	SEWAGE PUMP STATION	PELHAM RD	AMHERST MA		809196291
HIS SPILLS	CUMBERLAND FARMS	COLLEGE STREET ***Spill ID*	*Case Closed:*** W92-0592 | YES	AMHERST MA		809157196
HIS SPILLS	AMHERST TIRE CENTER	COLLEGE STREET ***Spill ID*	*Case Closed:*** W89-0559 | YES	AMHERST MA		809161735
HIST LUST	AMHERST HIGHWAY DEPARTMENT	PELHAM ROAD - SEWER PUMP STAT. ***Spill ID*	*Case Closed:*** W90-0654 | YES	AMHERST MA		809174353
LAST	AMHERST COLLEGE POWER PLANT	COLLEGE ST ***RTN:*** 1-0013105	AMHERST MA		809200109
LST	SEWAGE PUMP STATION	PELHAM RD ***Site No*	*Current Date*	*Status Desc:*** 1-0000892 | 8/3/1999 | Response Action Outcome	AMHERST MA	1002	817848822
LST	AMHERST COLLEGE POWER PLANT	COLLEGE ST ***Site No*	*Current Date*	*Status Desc:*** 1-0013105 | 3/21/2002 | Response Action Outcome	AMHERST MA		817848233
LUST	AMHERST COLLEGE POWER PLANT	COLLEGE ST ***RTN:*** 1-0013105	AMHERST MA		809204577

LUST	SEWAGE PUMP STATION	PELHAM RD ***RTN:*** 1-0000892	AMHERST MA	809205129
RELEASE	TRIANGLEPRAY & E PLEASANT	TRIANGLE ST ***RTN:*** 1-0000649 ***Current Status:*** RAO	AMHERST MA	809221974
RELEASE	JONES PATTERSON	EAST PLEASANT ST ***RTN:*** 1-0000331 ***Current Status:*** PENNDS	AMHERST MA	809222687
RELEASE	KAISER PERMANENTE	BELCHERTOWN RD ***RTN:*** 1-0000338 ***Current Status:*** DEPNDS	AMHERST MA	809222691
RELEASE	ACROSS FROM TOWN HALL OFF MAIN ST	BOLTWOOD AVE ***RTN:*** 1-0013943 ***Current Status:*** RAO	AMHERST MA	809226787
RELEASE	SOUTH POINT APARTMENTS	EAST HADLEY RD ***RTN:*** 1-0016212 ***Current Status:*** RAO	AMHERST MA	809225018
RELEASE	PARCEL ID 11D-264	OFF TRIANGLE ST ***RTN:*** 1-0015012 ***Current Status:*** RAO	AMHERST MA	858496095
RELEASE	AMHERST AUTO PARTS	BELCHERTOWN RD ***RTN:*** 1-0000792 ***Current Status:*** ADQREG	AMHERST MA	809227042
RELEASE	AMHERST COLLEGE POWER PLANT	COLLEGE ST ***RTN:*** 1-0013105 ***Current Status:*** RAO	AMHERST MA	858494940
RELEASE	SOUTH OF SPRING NEXT TO PARKING	SPRING ST ***RTN:*** 1-0010103 ***Current Status:*** RAO	AMHERST MA	858498385
RELEASE	SEWAGE PUMP STATION	PELHAM RD ***RTN:*** 1-0000892 ***Current Status:*** RAO	AMHERST MA	858503823
RELEASE	F L ROBERTS	RTE 9 399 NORTHAMPTON ST ***RTN:*** 1-0000687 ***Current Status:*** PSNC	AMHERST MA	858505316

RELEASE	FORT RIVER SCHOOL	EAST ST N ***RTN:*** 1-0000014 ***Current Status:*** DEPNFA	AMHERST MA		809223412
SPILLS	AMHERST AUTO PARTS	BELCHERTOWN RD	AMHERST MA	01002-0000	835066792
SPILLS	AMHERST COLLEGE POWER PLANT	COLLEGE ST	AMHERST MA		835052517
SPILLS	KAISER PERMANENTE	BELCHERTOWN RD	AMHERST MA	01002	835049536
SPILLS	SEWAGE PUMP STATION	PELHAM RD	AMHERST MA	01002	835034376

Unplottable Report

Site: ***VALENTINE HALL***
COLLEGE STREET AMHERST MA

ASBESTOS PROJECT

Project ID:	100127448	***Project Start Dt:***	6/15/2011
Form Type:	AQ-06	***Project End Dt:***	8/15/2011
Project Type:			
Owner Name:	TRUSTEES OF AMHERST COLLEGE		
Owner address:	6 EAST LANE		
DLS Contractor:			
DLS Contractor ID:			
Site Supervisor:			
Site Supervisor ID:			

Site: ***UNIVERSITY OF MASS***
SOUTH COLLEGE AMHERST MA

ASBESTOS PROJECT

Project ID:	100128993	***Project Start Dt:***	7/6/2011
Form Type:	ANF-001	***Project End Dt:***	8/6/2011
Project Type:	Rpr		
Owner Name:	UNIVERSITY OF MASSACHUSSETTS		
Owner address:			
DLS Contractor:	NON LICENSED REMOVAL		
DLS Contractor ID:	AC000000		
Site Supervisor:	NON LICENSED REMOVAL NON LICENSED REMOVAL		
Site Supervisor ID:	AS000000		

Site: ***UNIVERSITY OF MASSACHUSETTS AMHERST***
SOUTH COLLEGE AMHERST MA

ASBESTOS PROJECT

Project ID:	100113931	***Project Start Dt:***	10/7/2010
Form Type:	AQ-06	***Project End Dt:***	11/19/2010
Project Type:			
Owner Name:	UNIVERSITY OF MASSACHUSETTS AMHERST		
Owner address:	360 CAMPUS CENTER WAY, PHYSICAL PLANT BUILDING		
DLS Contractor:			
DLS Contractor ID:			
Site Supervisor:			
Site Supervisor ID:			

Site: ***SEWAGE PUMP STATION***
PELHAM RD AMHERST MA

AUL

RTN:	1-0000892	***Phase:***	PHASE II
Compliance Status:	RAO	***Location Type(s):***	MUNICIPAL
Compl Status Desc:	Response Action Outcome	***Site Name (BWSC):***	SEWAGE PUMP STATION
Compliance Date:	08/03/1999	***Address (BWSC):***	PELHAM RD
Notification Date:	07/15/1991	***Town (BWSC):***	AMHERST
RAO Class:	A1	***Zip Code (BWSC):***	01002
Chemical Type:	Oil	***OFC Town (BWSC):***	AMHERST
Reporting Category:	NONE	***Source(s):***	UST
Site Name (EEA Data Portal):	SEWAGE PUMP STATION		
Release Add (EEA Data Portal):	PELHAM RD		
City/Town (EEA Data Portal):	AMHERST		
Phase Desc:	Comprehensive Site Assessment		
RAO Class Desc:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.		

Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000892
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000892
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 03-Aug-1999
OFC Notification: 15-Jul-1991
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:
Category: NONE
Phase: PHASE II
RAO Class: A1
OHM: Oil

Chemical Information

Chemical: PETROLEUM
Amount:
Units:

Action Information

Status: NAFNVD
Date: 25-Oct-2004
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action: AUDCOM

Status: FLDRUN
Date: 19-Mar-2008
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action: RLFA

Status: FLDRUN
Date: 09-Jun-2000
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action: RLFA

Status: AFUPLN
Date: 01-Mar-2002
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action: AUDCOM

Status: ACTAUD
Date: 31-Dec-2001
Action Description: Phase 1
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action: PHASEI

Status: FLDRUN
Date: 18-Oct-2004
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
Action: RLFA

RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RECPT ***Action:*** TCLASS
Date: 07-Aug-1997
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RECPT ***Action:*** AUL
Date: 03-Aug-1999
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 29-Dec-2011
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SOW ***Action:*** PHASII
Date: 24-Dec-1997
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 01-Apr-2008
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 25-Oct-2004
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***Action:*** RAO
Date: 03-Aug-1999
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TCTRNS ***Action:*** REL
Date: 15-Jul-1991
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** TCLASS
Date: 31-Dec-2001
Action Description: Tier Classification

Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** AUL
Date: 31-Dec-2001
Action Description: Activity and Use Limitation
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** RAO
Date: 31-Dec-2001
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TIERII ***Action:*** TCLASS
Date: 07-Aug-1997
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNON ***Action:*** AUDCOM
Date: 31-Dec-2001
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 07-Dec-2015
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 29-Dec-2011
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: CSRCVD ***Action:*** PHASEI
Date: 07-Aug-1997
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NOA ***Action:*** AUDCOM
Date: 31-Oct-2001
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RFI ***Action:*** AUDCOM
Date: 31-Oct-2001

Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 07-Dec-2015
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 29-Dec-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 03-Dec-2015
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Site: ***CUMBERLAND FARMS***
COLLEGE STREET AMHERST MA

HIS SPILLS

Spill ID: W92-0592
Site ID: 0000
Case Closed: YES
LUST: NO
Incident: M.V. ACCIDENT
Other Incident:
Source: OTHER SOURCE >
Other Source: PUMP
Petro/Hazardous: PETROLEUM
Virgin/Waste: VIRGIN
Material: GASOLINE
Other Material:
Enviro Impact:
Other Env. Impact:
Contaminated Soil:
PCB Ranges: NONE
Reported Qty Spilled: UNKNOWN
CAS NO for Haz Waste:
SPL Info. 1st Entered:
SPL Info. Last Entered:

Repo Units Spilled: GALLONS
Act. Qty Spilled: LESS THAN 1
Act. Units Spilled: GALLONS
Spill Date:
Spill Time: 02:00
Rport Date:
Rport Time: 02:30AM
Notifier: EMILE TAYEH, CF
Notifier Phone:
First IR Form:
Staff Lead: SLOWICK, D
Category:
Days For Case: 1
Report pre by:
Contractor: NOT USED
Referral Divisions: NO

Site: ***AMHERST TIRE CENTER***
COLLEGE STREET AMHERST MA

HIS SPILLS

Spill ID: W89-0559
Site ID: 0000
Case Closed: YES
LUST: NO
Incident: ----------
Other Incident:
Source: ----------
Other Source:
Petro/Hazardous: HAZARDOUS
Virgin/Waste: ------
Material: OTHER MATERIAL -->

Repo Units Spilled: ----------
Act. Qty Spilled: UNKNOWN
Act. Units Spilled: ----------
Spill Date:
Spill Time:
Rport Date:
Rport Time: 12:18PM
Notifier: BRUCE BENNETT
Notifier Phone:
First IR Form:
Staff Lead: GOFF, C

Other Material:	ZEP FLOOR CLEANER	***Category:***	
Enviro Impact:		***Days For Case:***	1
Other Env. Impact:		***Report pre by:***	
Contaminated Soil:		***Contractor:***	NOT USED
PCB Ranges:	----------	***Referral Divisions:***	NO
Reported Qty Spilled:	UNKNOWN		
CAS NO for Haz Waste:			
SPL Info. 1st Entered:			
SPL Info. Last Entered:			

Site: ***AMHERST HIGHWAY DEPARTMENT***
PELHAM ROAD - SEWER PUMP STAT. AMHERST MA

HIST LUST

Spill ID:	W90-0654	***Repo Units Spilled:***	----------
Site ID:	1-0892	***Act. Qty Spilled:***	UNKNOWN
Case Closed:	YES	***Act. Units Spilled:***	----------
LUST:	YES	***Spill Date:***	10/18/1990
Incident:	TANK REMOVAL	***Spill Time:***	10:00AM
Other Incident:		***Rport Date:***	10/18/1990
Source:	U.S.T.	***Rport Time:***	10:30AM
Other Source:		***Notifier:***	GEORGE BOWLER - AMHERST FIRE DEPARTMENT
Petro/Hazardous:	PETROLEUM	***Notifier Phone:***	
Virgin/Waste:	VIRGIN	***First IR Form:***	10/18/1990
Material:	#2 FUEL OIL	***Staff Lead:***	FISH, B
Other Material:		***Category:***	
Enviro Impact:	SOIL	***Days For Case:***	49
Other Env. Impact:		***Report pre by:***	
Contaminated Soil:		***Contractor:***	NOT USED
PCB Ranges:	NONE	***Referral Divisions:***	SA
Reported Qty Spilled:	UNKNOWN		
CAS # for Haz Waste:			
SPL Info. 1st Entered:	6/14/1991		
SPL Info. Last Entered:	6/14/1991		

Site: ***AMHERST COLLEGE POWER PLANT***
COLLEGE ST AMHERST MA

LAST

RTN:	1-0013105	***Phase:***	PHASE II
Compliance Status:	RAO	***Location Type(s):***	SCHOOL
Compl Status Desc:	Response Action Outcome	***Site Name (BWSC):***	AMHERST COLLEGE POWER PLANT
Compliance Date:	03/21/2002	***Address (BWSC):***	COLLEGE ST
Notification Date:	09/15/1999	***Town (BWSC):***	AMHERST
RAO Class:		***Zip Code (BWSC):***	
Chemical Type:	Oil	***OFC Town (BWSC):***	AMHERST
Reporting Category:	72 HR	***Source(s):***	AST, HISTORICAL, UST
Site Name (EEA Data Portal):	AMHERST COLLEGE POWER PLANT		
Release Add (EEA Data Portal):	COLLEGE ST		
City/Town (EEA Data Portal):	AMHERST		
Phase Desc:	Comprehensive Site Assessment		
RAO Class Desc:			
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013105		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013105		
Source File:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Release (BWSC) Detail

Prim ID:		***Category:***	72 HR
Current Status:	RAO	***Phase:***	PHASE II
Current Status Desc:	Response Action Outcome	***RAO Class:***	
Current Date:	21-Mar-2002	***OHM:***	Oil
OFC Notification:	15-Sep-1999		
Phase Desc:	Comprehensive Site Assessment		
RAO Class Desc:			
Other Rela:			

Chemical Information

Chemical: #2 FUEL OIL
Amount: 17
Units: INCH

Action Information

Status: APORAL ***Action:*** IRA
Date: 15-Sep-1999
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: APWRIT ***Action:*** IRA
Date: 06-Jul-2001
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class:
RAO Class Desc:

Status: PLANMD ***Action:*** IRA
Date: 19-Jun-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Status: CSRCVD ***Action:*** PHASEI
Date: 19-Sep-2000
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 08-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: REPORT ***Action:*** RNF
Date: 22-Sep-1999
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 13-Jan-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 16-Jan-2001
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 11-Jul-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received

RAO Class:
RAO Class Desc:

Status: RECPT ***Action:*** TCLASS
Date: 19-Sep-2000
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: TIERII ***Action:*** TCLASS
Date: 19-Sep-2000
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:

Status: PLANWR ***Action:*** IRA
Date: 12-Jul-2001
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 13-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 20-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: FOLOFF ***Action:*** RLFA
Date: 26-Mar-2001
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: FOLOFF ***Action:*** RLFA
Date: 01-Nov-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: ISSUED ***Action:*** NOR
Date: 16-Sep-1999
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: RAORCD ***Action:*** RAO
Date: 21-Mar-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class:
RAO Class Desc:

Status: CSRCVD ***Action:*** IRA
Date: 21-Mar-2002
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:

RAO Class Desc:

Status: REPORT ***Action:*** REL
Date: 15-Sep-1999
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 03-Jul-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: SNAUDI ***Action:*** IRA
Date: 09-Jan-2001
Action Description: Immediate Response Action
Status Description: Level II - Audit Inspection
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 22-Jan-2002
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: PLANMD ***Action:*** IRA
Date: 28-Jun-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Status: PLANWR ***Action:*** IRA
Date: 27-Sep-1999
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: TSAUD ***Action:*** RAO
Date: 10-Jun-2005
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: FLDRAN ***Action:*** RLFA
Date: 13-Jul-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class:
RAO Class Desc:

Status: PLANMD ***Action:*** IRA
Date: 17-May-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Site: ***SEWAGE PUMP STATION***
PELHAM RD AMHERST MA 1002 LST

Site No: 1-0000892 ***Initial Status Dt:*** 8/2/1997
Source: UST ***Official Notifi Dt:*** 7/15/1991

Release Type: RAO
Chemical Type: Oil
Category: NONE
Current Date: 8/3/1999
ROA Class: A1
Phase: PHASE II
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Phase Desc: Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined.
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000892
Location Type: MUNICIPAL

Chemicals Information

Chemical: PETROLEUM
Amount:
Units:

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 07/15/1991
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: ACTAUD Level III-Comprehensive Audit
Submittal Date: 12/31/2001
RAO Class: A1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity and Use Limitation: NOTICE

Response Action Type: AUL Activity and Use Limitation
Status: SNAUDI Level II - Audit Inspection
Submittal Date: 12/07/2015
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: ACTAUD Level III-Comprehensive Audit
Submittal Date: 12/31/2001
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHASEI Phase 1
Status: ACTAUD Level III-Comprehensive Audit
Submittal Date: 12/31/2001
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHASII Phase 2
Status: SOW Scope of Work Received
Submittal Date: 12/24/1997
RAO Class:
RAO Description:
Activity and Use Limitation:

RAO Detail

Class: A1
Method: 3

GW Category: 3
Soil Category: 2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Tier Classification Detail

Imminent Hazard: NO
Zone2: NO
Numerical Rank Scoresheet Totals: 287
Numerical Rank Scoresheet II: 55
Numerical Rank Scoresheet III: 112
Numerical Rank Scoresheet IV: 40
Numerical Rank Scoresheet V: 80
Numerical Rank Scoresheet VI: 0

Site: ***AMHERST COLLEGE POWER PLANT***
COLLEGE ST AMHERST MA

LST

Site No:	1-0013105	***Initial Status Dt:***	9/15/2000
Source:	AST,HISTORICAL,UST	***Official Notifi Dt:***	9/15/1999
Release Type:	RAO	***Current Date:***	3/21/2002
Chemical Type:	Oil	***ROA Class:***	
Category:	72 HR	***Phase:***	PHASE II

ROA Class Desc:
Phase Desc: Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined.
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0013105
Location Type: SCHOOL

Chemicals Information

Chemical: #2 FUEL OIL
Amount: 17
Units: INCH

Response Action

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 06/10/2005
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 09/15/1999
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 09/19/2000
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 09/22/1999
RAO Class:

RAO Description:
Activity and Use Limitation:

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 03/21/2002
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: TIERII Tier 2 Classification
Submittal Date: 09/19/2000
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: N/A
LSP Name: OBRIEN, TIMOTHY J

RAO Detail

Class: A2
Method: 1
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Tier Classification Detail

Imminent Hazard: NO
Zone2: NO
Numerical Rank Scoresheet Totals: 316
Numerical Rank Scoresheet II: 145
Numerical Rank Scoresheet III: 141
Numerical Rank Scoresheet IV: 30
Numerical Rank Scoresheet V: 0
Numerical Rank Scoresheet VI: 0

Site: ***AMHERST COLLEGE POWER PLANT***
COLLEGE ST AMHERST MA

LUST

RTN: 1-0013105
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 03/21/2002
Notification Date: 09/15/1999
RAO Class:
Chemical Type: Oil
Reporting Category: 72 HR
Phase: PHASE II
Location Type(s): SCHOOL
Site Name (BWSC): AMHERST COLLEGE POWER PLANT
Address (BWSC): COLLEGE ST
Town (BWSC): AMHERST
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
Source(s): AST, HISTORICAL, UST
Site Name (EEA Data Portal): AMHERST COLLEGE POWER PLANT
Release Add (EEA Data Portal): COLLEGE ST
City/Town (EEA Data Portal): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013105
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013105
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:
Category: 72 HR

Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 21-Mar-2002
OFC Notification: 15-Sep-1999
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Other Rela:
Phase: PHASE II
RAO Class:
OHM: Oil

Chemical Information

Chemical: #2 FUEL OIL
Amount: 17
Units: INCH

Action Information

Status: PLANMD
Date: 28-Jun-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:
Action: IRA

Status: STRCVD
Date: 16-Jan-2001
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
Action: IRA

Status: RAORCD
Date: 21-Mar-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class:
RAO Class Desc:
Action: RAO

Status: FLDRUN
Date: 08-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:
Action: RLFA

Status: FLDRUN
Date: 20-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:
Action: RLFA

Status: STRCVD
Date: 22-Jan-2002
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
Action: IRA

Status: TIERII
Date: 19-Sep-2000
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:
Action: TCLASS

Status: CSRCVD
Date: 21-Mar-2002
Action Description: Immediate Response Action
Status Description: Completion Statement Received
Action: IRA

RAO Class:
RAO Class Desc:

Status: PLANMD ***Action:*** IRA
Date: 19-Jun-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Status: SNAUDI ***Action:*** IRA
Date: 09-Jan-2001
Action Description: Immediate Response Action
Status Description: Level II - Audit Inspection
RAO Class:
RAO Class Desc:

Status: TSAUD ***Action:*** RAO
Date: 10-Jun-2005
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: REPORT ***Action:*** RNF
Date: 22-Sep-1999
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: PLANMD ***Action:*** IRA
Date: 17-May-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Status: PLANWR ***Action:*** IRA
Date: 27-Sep-1999
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: FOLOFF ***Action:*** RLFA
Date: 26-Mar-2001
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: FOLOFF ***Action:*** RLFA
Date: 01-Nov-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: RECPT ***Action:*** TCLASS
Date: 19-Sep-2000
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: APORAL ***Action:*** IRA
Date: 15-Sep-1999
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:

RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 13-Jan-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: PLANWR ***Action:*** IRA
Date: 12-Jul-2001
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 11-Jul-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: CSRCVD ***Action:*** PHASEI
Date: 19-Sep-2000
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: FLDRAN ***Action:*** RLFA
Date: 13-Jul-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class:
RAO Class Desc:

Status: APWRIT ***Action:*** IRA
Date: 06-Jul-2001
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class:
RAO Class Desc:

Status: ISSUED ***Action:*** NOR
Date: 16-Sep-1999
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: REPORT ***Action:*** REL
Date: 15-Sep-1999
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 13-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 03-Jul-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Site: ***SEWAGE PUMP STATION***
PELHAM RD AMHERST MA

LUST

RTN:	1-0000892	***Phase:***	PHASE II
Compliance Status:	RAO	***Location Type(s):***	MUNICIPAL
Compl Status Desc:	Response Action Outcome	***Site Name (BWSC):***	SEWAGE PUMP STATION
Compliance Date:	08/03/1999	***Address (BWSC):***	PELHAM RD
Notification Date:	07/15/1991	***Town (BWSC):***	AMHERST
RAO Class:	A1	***Zip Code (BWSC):***	01002
Chemical Type:	Oil	***OFC Town (BWSC):***	AMHERST
Reporting Category:	NONE	***Source(s):***	UST

Site Name (EEA Data Portal): SEWAGE PUMP STATION
Release Add (EEA Data Portal): PELHAM RD
City/Town (EEA Data Portal): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000892
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000892
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:		***Category:***	NONE
Current Status:	RAO	***Phase:***	PHASE II
Current Status Desc:	Response Action Outcome	***RAO Class:***	A1
Current Date:	03-Aug-1999	***OHM:***	Oil
OFC Notification:	15-Jul-1991		

Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Chemical Information

Chemical: PETROLEUM
Amount:
Units:

Action Information

Status:	RAORCD	***Action:***	RAO
Date:	03-Aug-1999		

Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status:	RECPT	***Action:***	TCLASS
Date:	07-Aug-1997		

Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status:	NAFNON	***Action:***	AUDCOM
Date:	31-Dec-2001		

Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status:	NAFNVD	***Action:***	AUDCOM

Date: 25-Oct-2004
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NOA ***Action:*** AUDCOM
Date: 31-Oct-2001
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SOW ***Action:*** PHASII
Date: 24-Dec-1997
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TCTRNS ***Action:*** REL
Date: 15-Jul-1991
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** AUL
Date: 31-Dec-2001
Action Description: Activity and Use Limitation
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 07-Dec-2015
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** RAO
Date: 31-Dec-2001
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 25-Oct-2004
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 19-Mar-2008
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 07-Dec-2015
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RECPT ***Action:*** AUL
Date: 03-Aug-1999
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 09-Jun-2000
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 03-Dec-2015
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** TCLASS
Date: 31-Dec-2001
Action Description: Tier Classification
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TIERII ***Action:*** TCLASS
Date: 07-Aug-1997
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 29-Dec-2011
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RFI ***Action:*** AUDCOM
Date: 31-Oct-2001
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 29-Dec-2011
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** PHASEI
Date: 31-Dec-2001
Action Description: Phase 1
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 18-Oct-2004
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 29-Dec-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: AFUPLN ***Action:*** AUDCOM
Date: 01-Mar-2002
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 01-Apr-2008
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: CSRCVD ***Action:*** PHASEI
Date: 07-Aug-1997
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Site: ***TRIANGLEPRAY & E PLEASANT***
TRIANGLE ST AMHERST MA

RELEASE

RTN: 1-0000649
Compliance Date: 11/28/1994
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/15/1989
Source:
Reporting Category: NONE
Site (EEA Data): TRIANGLEPRAY & E PLEASANT
Rel Add(EEA Data): TRIANGLE ST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000649
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000649
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A1
Chemical Type: Oil
Location Type: INDUSTRIAL
Site Name (BWSC): TRIANGLEPRAY & E PLEASANT
Address (BWSC): TRIANGLE ST
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST

Chemical Information (BWSC)

Chemical: WASTE OIL
Amount:
Units:

Action Information (BWSC)

Status: ACO ***Action:*** C&E
Date: 15-Jan-1993
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***Action:*** RAO
Date: 28-Nov-1994
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TCTRNS ***Action:*** REL
Date: 15-Oct-1989
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** NONE
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 28-Nov-1994 ***OHM:*** Oil
OFC Notification: 15-Oct-1989
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Site: ***JONES PATTERSON***
EAST PLEASANT ST AMHERST MA

RELEASE

RTN: 1-0000331 ***Phase:***
Compliance Date: 01/25/1996 ***RAO Class:***
Compliance Status: PENNDS ***Chemical Type:***
Compl Status Desc: Pending Not a Disposal Site ***Location Type:***
Notification Date: 01/15/1989 ***Site Name (BWSC):*** JONES PATTERSON
Source: ***Address (BWSC):*** EAST PLEASANT ST
Reporting Category: NONE ***Town (BWSC):*** AMHERST
Site (EEA Data): JONES PATTERSON ***Zip Code (BWSC):*** 01002
Rel Add(EEA Data): EAST PLEASANT ST ***OFC Town (BWSC):*** AMHERST
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000331
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000331
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:

Units:

Action Information (BWSC)

Status: TCTRNS
Date: 15-Jan-1989
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:
Action: REL

Status: PENNDS
Date: 25-Jan-1996
Action Description:
Status Description:
RAO Class:
RAO Class Desc:
Action: TREGS

Release (BWSC) Detail

Prim ID:
Current Status: PENNDS
Current St Desc: Pending Not a Disposal Site
Current Date: 25-Jan-1996
OFC Notification: 15-Jan-1989
Phase Desc:
RAO Class Desc:
Other Rela:
Category: NONE
Phase:
RAO Class:
OHM:

Site: ***KAISER PERMANENTE***
BELCHERTOWN RD AMHERST MA

RELEASE

RTN: 1-0000338
Compliance Date: 07/23/1993
Compliance Status: DEPNDS
Compl Status Desc: DEP Not a Disposal Site
Notification Date: 01/15/1989
Source:
Reporting Category: NONE
Site (EEA Data): KAISER PERMANENTE
Rel Add(EEA Data): BELCHERTOWN RD
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Phase:
RAO Class:
Chemical Type:
Location Type:
Site Name (BWSC): KAISER PERMANENTE
Address (BWSC): BELCHERTOWN RD
Town (BWSC): AMHERST
Zip Code (BWSC): 01002
OFC Town (BWSC): AMHERST

Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000338
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000338
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: TCTRNS
Date: 15-Jan-1989
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:
Action: REL

Status: DEPNDS
Date: 23-Jul-1993
Action Description:
Action: TREGS

Status Description: Not a Disposal Site - DEP
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID:		***Category:***	NONE
Current Status:	DEPNDS	***Phase:***	
Current St Desc:	DEP Not a Disposal Site	***RAO Class:***	
Current Date:	23-Jul-1993	***OHM:***	
OFC Notification:	15-Jan-1989		
Phase Desc:			
RAO Class Desc:			
Other Rela:			

Site: ***ACROSS FROM TOWN HALL OFF MAIN ST***
BOLTWOOD AVE AMHERST MA

RELEASE

RTN:	1-0013943	***Phase:***	
Compliance Date:	09/28/2001	***RAO Class:***	A2
Compliance Status:	RAO	***Chemical Type:***	Oil and Hazardous Material
Compl Status Desc:	Response Action Outcome	***Location Type:***	MUNICIPAL
Notification Date:	05/23/2001	***Site Name (BWSC):***	ACROSS FROM TOWN HALL OFF MAIN ST
Source:	UNKNOWN	***Address (BWSC):***	BOLTWOOD AVE
Reporting Category:	120 DY	***Town (BWSC):***	AMHERST
Site (EEA Data):	ACROSS FROM TOWN HALL OFF MAIN ST	***Zip Code (BWSC):***	010020000
Rel Add(EEA Data):	BOLTWOOD AVE	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:			
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013943		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013943		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical:	C19 THRU C36 ALIPHATIC HYDROCARBONS
Amount:	8000
Units:	MG/L
Chemical:	C11 THRU C22 AROMATIC HYDROCARBONS
Amount:	9600
Units:	MG/L
Chemical:	FLUORENE
Amount:	5.8
Units:	MG/L
Chemical:	PHENANTHRENE
Amount:	7.8
Units:	MG/L
Chemical:	C9 THRU C18 ALIPHATIC HYDROCARBONS
Amount:	23000
Units:	MG/L
Chemical:	FLUORANTHENE
Amount:	1.7
Units:	MG/L
Chemical:	PYRENE
Amount:	3.8
Units:	MG/L

Action Information (BWSC)

Status:	CSRCVD	***Action:***	URAM

Date: 28-Sep-2001
Action Description: Utility-related Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***Action:*** RAO
Date: 31-Jan-2003
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***Action:*** NOR
Date: 09-Jun-2001
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 28-Sep-2001
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LESS ***Action:*** REL
Date: 23-May-2001
Action Description: Release Disposition
Status Description: Release or TOR Less than Reporting Requirement
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD ***Action:*** RLFA
Date: 31-May-2001
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 06-Jul-2001
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 28-Sep-2001 ***OHM:*** Oil and Hazardous Material
OFC Notification: 23-May-2001
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Site: ***SOUTH POINT APARTMENTS***
EAST HADLEY RD AMHERST MA

RELEASE

RTN: 1-0016212 ***Phase:***
Compliance Date: 07/31/2006 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** RESIDNTIAL
Notification Date: 06/08/2006 ***Site Name (BWSC):*** SOUTH POINT APARTMENTS
Source: TRANSFORM ***Address (BWSC):*** EAST HADLEY RD
Reporting Category: TWO HR ***Town (BWSC):*** AMHERST

Site (EEA Data): SOUTH POINT APARTMENTS
Rel Add(EEA Data): EAST HADLEY RD
Town (EEA Data): AMHERST
Phase Desc:
Zip Code (BWSC):
OFC Town (BWSC): AMHERST
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0016212
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0016212
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: MINERAL OIL
Amount: 70
Units: GAL

Action Information (BWSC)

Status: REPORT
Action: RNF
Date: 20-Jul-2006
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT
Action: REL
Date: 08-Jun-2006
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL
Action: IRA
Date: 08-Jun-2006
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED
Action: NOR
Date: 13-Jun-2006
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD
Action: RAO
Date: 31-Jul-2006
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID:
Category: TWO HR
Current Status: RAO
Phase:
Current St Desc: Response Action Outcome
RAO Class: A1
Current Date: 31-Jul-2006
OHM: Oil
OFC Notification: 08-Jun-2006
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Other Rela:

Site: ***PARCEL ID 11D-264***
OFF TRIANGLE ST AMHERST MA

RELEASE

RTN:	1-0015012	***Phase:***	
Compliance Date:	11/17/2003	***RAO Class:***	A2
Compliance Status:	RAO	***Chemical Type:***	Oil
Compl Status Desc:	Response Action Outcome	***Location Type:***	MUNICIPAL
Notification Date:	09/17/2003	***Site Name (BWSC):***	PARCEL ID 11D-264
Source:	UST	***Address (BWSC):***	OFF TRIANGLE ST
Reporting Category:	72 HR	***Town (BWSC):***	AMHERST
Site (EEA Data):	PARCEL ID 11D-264	***Zip Code (BWSC):***	
Rel Add(EEA Data):	OFF TRIANGLE ST	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		

Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0015012
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0015012
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 130
Units: PPM

Action Information (BWSC)

Status:	APORAL	***Action:***	IRA
Date:	23-Sep-2003		
Action Description:	Immediate Response Action		
Status Description:	Oral Approval of Plan or Action		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	ISSUED	***Action:***	NOR
Date:	23-Sep-2003		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	RAORCD	***Action:***	RAO
Date:	17-Nov-2003		
Action Description:	Response Action Outcome -RAO		
Status Description:	RAO Statement Received (retired)		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	APORAL	***Action:***	IRA
Date:	17-Sep-2003		
Action Description:	Immediate Response Action		
Status Description:	Oral Approval of Plan or Action		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	RNF
Date:	14-Nov-2003		
Action Description:	Release Notification Form Received		
Status Description:	Reportable Release under MGL 21E		
RAO Class:	A2		
RAO Class Desc:	A permanent solution has been achieved. Contamination has not been reduced to background.		

Status:	REPORT	***Action:***	REL
Date:	17-Sep-2003		
Action Description:	Release Disposition		

Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 17-Nov-2003
OFC Notification: 17-Sep-2003
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 72 HR
Phase:
RAO Class: A2
OHM: Oil

Site: ***AMHERST AUTO PARTS***
BELCHERTOWN RD AMHERST MA

RELEASE

RTN: 1-0000792
Compliance Date: 08/07/1996
Compliance Status: ADEQUATE REG
Compl Status Desc: Adequately Regulated
Notification Date: 07/15/1990
Source:
Reporting Category: NONE
Site (EEA Data): AMHERST AUTO PARTS
Rel Add(EEA Data): BELCHERTOWN RD
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Phase:
RAO Class:
Chemical Type: Oil
Location Type: JUNKYARD
Site Name (BWSC): AMHERST AUTO PARTS
Address (BWSC): BELCHERTOWN RD
Town (BWSC): AMHERST
Zip Code (BWSC): 010020000
OFC Town (BWSC): AMHERST
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000792
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000792
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: WASTE OIL
Amount:
Units:

Action Information (BWSC)

Status: TCTRNS
Date: 15-Jul-1990
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:
Action: REL

Status: ADQREG
Date: 07-Aug-1996
Action Description: RAO Not Required
Status Description: Adequately Regulated
RAO Class:
RAO Class Desc:
Action: RAONR

Release (BWSC) Detail

Prim ID:
Current Status: ADQREG
Current St Desc: Adequately Regulated
Current Date: 07-Aug-1996
OFC Notification: 15-Jul-1990
Phase Desc:
RAO Class Desc:
Other Rela:
Category: NONE
Phase:
RAO Class:
OHM: Oil

Site: ***AMHERST COLLEGE POWER PLANT***
COLLEGE ST AMHERST MA

RELEASE

RTN:	1-0013105	***Phase:***	PHASE II
Compliance Date:	03/21/2002	***RAO Class:***	
Compliance Status:	RAO	***Chemical Type:***	Oil
Compl Status Desc:	Response Action Outcome	***Location Type:***	SCHOOL
Notification Date:	09/15/1999	***Site Name (BWSC):***	AMHERST COLLEGE POWER PLANT
Source:	AST, HISTORICAL, UST	***Address (BWSC):***	COLLEGE ST
Reporting Category:	72 HR	***Town (BWSC):***	AMHERST
Site (EEA Data):	AMHERST COLLEGE POWER PLANT	***Zip Code (BWSC):***	
Rel Add(EEA Data):	COLLEGE ST	***OFC Town (BWSC):***	AMHERST
Town (EEA Data):	AMHERST		
Phase Desc:	Comprehensive Site Assessment		
RAO Class Desc:			
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0013105		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0013105		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical:	#2 FUEL OIL
Amount:	17
Units:	INCH

Action Information (BWSC)

Status:	STRCVD	***Action:***	IRA
Date:	16-Jan-2001		
Action Description:	Immediate Response Action		
Status Description:	Status or Interim Report Received		
RAO Class:			
RAO Class Desc:			

Status:	FLDRAN	***Action:***	RLFA
Date:	13-Jul-2001		
Action Description:	Site Visit or Office Follow-up		
Status Description:	Compliance Field Response - Announced		
RAO Class:			
RAO Class Desc:			

Status:	RECPT	***Action:***	TCLASS
Date:	19-Sep-2000		
Action Description:	Tier Classification		
Status Description:	Transmittal, Notice, or Notification Received		
RAO Class:			
RAO Class Desc:			

Status:	APWRIT	***Action:***	IRA
Date:	06-Jul-2001		
Action Description:	Immediate Response Action		
Status Description:	Written Approval of Plan		
RAO Class:			
RAO Class Desc:			

Status:	PLANMD	***Action:***	IRA
Date:	28-Jun-2001		
Action Description:	Immediate Response Action		
Status Description:	Modified Revised or Updated Plan Received		
RAO Class:			
RAO Class Desc:			

Status:	ISSUED	***Action:***	NOR
Date:	16-Sep-1999		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		

RAO Class:
RAO Class Desc:

Status: TSAUD ***Action:*** RAO
Date: 10-Jun-2005
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 13-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: FOLOFF ***Action:*** RLFA
Date: 26-Mar-2001
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: REPORT ***Action:*** RNF
Date: 22-Sep-1999
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: TIERII ***Action:*** TCLASS
Date: 19-Sep-2000
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:

Status: PLANMD ***Action:*** IRA
Date: 19-Jun-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 13-Jan-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 22-Jan-2002
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: FOLOFF ***Action:*** RLFA
Date: 01-Nov-1999
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: CSRCVD ***Action:*** IRA
Date: 21-Mar-2002
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:

RAO Class Desc:

Status: PLANMD ***Action:*** IRA
Date: 17-May-2001
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Status: PLANWR ***Action:*** IRA
Date: 27-Sep-1999
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: CSRCVD ***Action:*** PHASEI
Date: 19-Sep-2000
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: RAORCD ***Action:*** RAO
Date: 21-Mar-2002
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 20-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 03-Jul-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: APORAL ***Action:*** IRA
Date: 15-Sep-1999
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: SNAUDI ***Action:*** IRA
Date: 09-Jan-2001
Action Description: Immediate Response Action
Status Description: Level II - Audit Inspection
RAO Class:
RAO Class Desc:

Status: FLDRUN ***Action:*** RLFA
Date: 08-Jun-2001
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: REPORT ***Action:*** REL
Date: 15-Sep-1999
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: PLANWR ***Action:*** IRA
Date: 12-Jul-2001
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***Action:*** IRA
Date: 11-Jul-2000
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: RAO ***Phase:*** PHASE II
Current St Desc: Response Action Outcome ***RAO Class:***
Current Date: 21-Mar-2002 ***OHM:*** Oil
OFC Notification: 15-Sep-1999
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Other Rela:

Site: ***SOUTH OF SPRING NEXT TO PARKING***
SPRING ST AMHERST MA

RELEASE

RTN: 1-0010103 ***Phase:*** PHASE II
Compliance Date: 10/06/1995 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** SCHOOL
Notification Date: 12/06/1993 ***Site Name (BWSC):*** SOUTH OF SPRING NEXT TO PARKING
Source: UST ***Address (BWSC):*** SPRING ST
Reporting Category: TWO HR ***Town (BWSC):*** AMHERST
Site (EEA Data): SOUTH OF SPRING NEXT TO PARKING ***Zip Code (BWSC):*** 01002
Rel Add(EEA Data): SPRING ST ***OFC Town (BWSC):*** AMHERST
Town (EEA Data): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0010103
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0010103
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount:
Units:

Chemical: #2 FUEL OIL
Amount: 1000
Units: PPM

Action Information (BWSC)

Status: ISSUED ***Action:*** NOR
Date: 13-Dec-1993
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***Action:*** IRA
Date: 19-Jul-1994
Action Description: Immediate Response Action

Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD ***Action:*** RLFA
Date: 06-Dec-1993
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 07-Dec-1993
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 07-Feb-1994
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII ***Action:*** TCLASS
Date: 06-Dec-1994
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD ***Action:*** RLFA
Date: 10-Dec-1993
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***Action:*** TCLASS
Date: 06-Dec-1994
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***Action:*** PHASEI
Date: 06-Dec-1994
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** REL
Date: 06-Dec-1993
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 06-Dec-1993
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR ***Action:*** IRA
Date: 17-Feb-1994
Action Description: Immediate Response Action
Status Description: Written Plan Received

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***Action:*** IRA
Date: 31-Oct-1994
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***Action:*** IRA
Date: 06-Dec-1993
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***Action:*** RLFA
Date: 22-Dec-1993
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***Action:*** RNF
Date: 04-Jan-1994
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***Action:*** RAO
Date: 06-Oct-1995
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:*** PHASE II
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 06-Oct-1995 ***OHM:*** Oil
OFC Notification: 06-Dec-1993
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Site: ***SEWAGE PUMP STATION***
PELHAM RD AMHERST MA RELEASE

RTN: 1-0000892 ***Phase:*** PHASE II
Compliance Date: 08/03/1999 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** MUNICIPAL
Notification Date: 07/15/1991 ***Site Name (BWSC):*** SEWAGE PUMP STATION
Source: UST ***Address (BWSC):*** PELHAM RD
Reporting Category: NONE ***Town (BWSC):*** AMHERST
Site (EEA Data): SEWAGE PUMP STATION ***Zip Code (BWSC):*** 01002
Rel Add(EEA Data): PELHAM RD ***OFC Town (BWSC):*** AMHERST
Town (EEA Data): AMHERST
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000892
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000892
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: PETROLEUM
Amount:
Units:

Action Information (BWSC)

Status: SOW ***Action:*** PHASII
Date: 24-Dec-1997
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 09-Jun-2000
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 03-Dec-2015
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** TCLASS
Date: 31-Dec-2001
Action Description: Tier Classification
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TIERII ***Action:*** TCLASS
Date: 07-Aug-1997
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 01-Apr-2008
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** PHASEI
Date: 31-Dec-2001
Action Description: Phase 1
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 29-Dec-2011
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1

RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 18-Oct-2004
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 25-Oct-2004
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 07-Dec-2015
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNVD ***Action:*** AUDCOM
Date: 29-Dec-2011
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NOA ***Action:*** AUDCOM
Date: 31-Oct-2001
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RFI ***Action:*** AUDCOM
Date: 31-Oct-2001
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 07-Dec-2015
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RECPT ***Action:*** TCLASS
Date: 07-Aug-1997
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: AFUPLN ***Action:*** AUDCOM
Date: 01-Mar-2002
Action Description:
Status Description:

RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***Action:*** RAO
Date: 03-Aug-1999
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 19-Mar-2008
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: SNAUDI ***Action:*** AUL
Date: 25-Oct-2004
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: CSRCVD ***Action:*** PHASEI
Date: 07-Aug-1997
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** RAO
Date: 31-Dec-2001
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: TCTRNS ***Action:*** REL
Date: 15-Jul-1991
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDRUN ***Action:*** RLFA
Date: 29-Dec-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RECPT ***Action:*** AUL
Date: 03-Aug-1999
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NAFNON ***Action:*** AUDCOM
Date: 31-Dec-2001
Action Description:

Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ACTAUD ***Action:*** AUL
Date: 31-Dec-2001
Action Description: Activity and Use Limitation
Status Description: Level III - Comprehensive Audit
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** NONE
Current Status: RAO ***Phase:*** PHASE II
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 03-Aug-1999 ***OHM:*** Oil
OFC Notification: 15-Jul-1991
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Site: ***F L ROBERTS***
RTE 9 399 NORTHAMPTON ST AMHERST MA RELEASE

RTN: 1-0000687 ***Phase:*** PHASE V
Compliance Date: 06/01/2015 ***RAO Class:*** PN
Compliance Status: PSNC ***Chemical Type:***
Compl Status Desc: Permanent Solution with No Conditions ***Location Type:*** GASSTATION
Notification Date: 01/15/1990 ***Site Name (BWSC):*** F L ROBERTS
Source: UST ***Address (BWSC):*** RTE 9 399 NORTHAMPTON ST
Reporting Category: NONE ***Town (BWSC):*** AMHERST
Site (EEA Data): F L ROBERTS ***Zip Code (BWSC):*** 01002
Rel Add(EEA Data): RTE 9 399 NORTHAMPTON ST ***OFC Town (BWSC):*** AMHERST
Town (EEA Data): AMHERST
Phase Desc: Operation, Maintenance and/or Monitoring
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000687
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000687
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: IMRCD ***Action:*** PHASEV
Date: 31-Jan-2005
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 26-Feb-2003
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV

Date: 10-Apr-2008
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 09-Oct-2014
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 14-Oct-2008
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 14-Apr-2009
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SNAUDI ***Action:*** PHASEV
Date: 27-Feb-2004
Action Description: Phase 5
Status Description: Level II - Audit Inspection
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***Action:*** PHASII
Date: 08-Apr-1999
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***Action:*** RAM
Date: 27-Oct-2014
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT ***Action:*** TCLASS
Date: 01-Aug-1996
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NAFNVD ***Action:*** AUDCOM
Date: 27-Feb-2004
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT ***Action:*** BOL
Date: 23-Oct-2014
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 30-Apr-2003

Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 28-Jun-2002
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 11-Oct-2013
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 12-Oct-2010
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 15-Oct-2007
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 15-Oct-2012
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 15-Oct-2007
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** PHASEV
Date: 05-Apr-2013
Action Description: Phase 5
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** PHASEV
Date: 22-Apr-2015
Action Description: Phase 5
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR ***Action:*** PHASIV
Date: 02-Nov-1999
Action Description: Phase 4
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR ***Action:*** RAM
Date: 28-Aug-2014
Action Description: Release Abatement Measure

Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: T2EXT ***Action:*** TCLASS
Date: 09-Apr-2002
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TIERII ***Action:*** TCLASS
Date: 02-Aug-1996
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***Action:*** PHASEI
Date: 01-Aug-1996
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 05-Apr-2013
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 10-Apr-2014
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 17-Apr-2012
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 15-Apr-2010
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 30-Apr-2007
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 12-Oct-2010
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 15-Oct-2012
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received

RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 28-Dec-2005
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***Action:*** RAO
Date: 09-Nov-2015
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 02-May-2005
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REMOPS ***Action:*** PHASEV
Date: 17-Sep-2003
Action Description: Phase 5
Status Description: Remedy Operation Status (ROS) Submittal Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 15-Apr-2010
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 22-Apr-2015
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD ***Action:*** RAO
Date: 01-Jun-2015
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NAFNVD ***Action:*** AUDCOM
Date: 11-Jan-2011
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 29-Apr-2002
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 04-Dec-2002
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN

RAO Class Desc: Permanent Solution with No Conditions

Status: REMOPS ***Action:*** PHASEV
Date: 18-Dec-2003
Action Description: Phase 5
Status Description: Remedy Operation Status (ROS) Submittal Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 11-Apr-2011
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 20-Sep-2006
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** PHASEV
Date: 09-Oct-2014
Action Description: Phase 5
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** PHASEV
Date: 11-Oct-2013
Action Description: Phase 5
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDRUN ***Action:*** RLFA
Date: 24-Feb-2004
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: LSPFA ***Action:*** TREGS
Date: 01-Aug-1996
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 30-Jul-2004
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 23-Dec-2002
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 15-Oct-2009
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 15-Oct-2009
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SNAUDI ***Action:*** PHASEV
Date: 11-Jan-2011
Action Description: Phase 5
Status Description: Level II - Audit Inspection
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ABCRCD ***Action:*** PHASIV
Date: 09-Apr-2002
Action Description: Phase 4
Status Description: As-Built Construction Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***Action:*** PHSIII
Date: 08-Apr-1999
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TCTRNS ***Action:*** REL
Date: 15-Jan-1990
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FLDRUN ***Action:*** RLFA
Date: 06-Jan-2011
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 20-Dec-2004
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REMOPS ***Action:*** PHASEV
Date: 28-Jun-2002
Action Description: Phase 5
Status Description: Remedy Operation Status (ROS) Submittal Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REMOPS ***Action:*** PHASEV
Date: 23-Dec-2002
Action Description: Phase 5
Status Description: Remedy Operation Status (ROS) Submittal Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 14-Apr-2009
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 20-Sep-2006
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 10-Apr-2008
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 17-Apr-2012
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 14-Oct-2008
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ROSSTR ***Action:*** PHASEV
Date: 11-Nov-2011
Action Description: Phase 5
Status Description: Remedy Operation Status Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SHPFAC ***Action:*** BOL
Date: 27-Oct-2014
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 12-Mar-2004
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: IMRCD ***Action:*** PHASEV
Date: 08-Sep-2004
Action Description: Phase 5
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 11-Apr-2011
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RMRINT ***Action:*** PHASEV
Date: 11-Nov-2011
Action Description: Phase 5
Status Description: RMR Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD ***Action:*** PHASEV

Date: 10-Apr-2014
Action Description: Phase 5
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID:
Current Status: PSNC
Current St Desc: Permanent Solution with No Conditions
Current Date: 01-Jun-2015
OFC Notification: 15-Jan-1990
Phase Desc: Operation, Maintenance and/or Monitoring
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:
Category: NONE
Phase: PHASE V
RAO Class: PN
OHM:

Site: ***FORT RIVER SCHOOL***
EAST ST N AMHERST MA

RELEASE

RTN: 1-0000014
Compliance Date: 07/23/1993
Compliance Status: DEPNFA
Compl Status Desc: DEP No Further Action
Notification Date: 04/15/1989
Source:
Reporting Category: NONE
Site (EEA Data): FORT RIVER SCHOOL
Rel Add(EEA Data): EAST ST N
Town (EEA Data): AMHERST
Phase Desc:
RAO Class Desc:
Phase:
RAO Class:
Chemical Type:
Location Type:
Site Name (BWSC): FORT RIVER SCHOOL
Address (BWSC): EAST ST N
Town (BWSC): AMHERST
Zip Code (BWSC): 01002
OFC Town (BWSC): AMHERST
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/1-0000014
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=1-0000014
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: TCTRNS
Date: 15-Apr-1989
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:
Action: REL

Status: DEPNFA
Date: 23-Jul-1993
Action Description:
Status Description: No Further Action - DEP
RAO Class:
RAO Class Desc:
Action: TREGS

Release (BWSC) Detail

Prim ID:
Current Status: DEPNFA
Current St Desc: DEP No Further Action
Current Date: 23-Jul-1993
OFC Notification: 15-Apr-1989
Phase Desc:
Category: NONE
Phase:
RAO Class:
OHM:

RAO Class Desc:
Other Rela:

Site: ***AMHERST AUTO PARTS***
BELCHERTOWN RD AMHERST MA 01002-0000

SPILLS

RTN:	1-0000792
Primary ID:	
Compliance Status:	
Current Status:	ADQREG
Current Status Desc:	Adequately Regulated: A site/release where response actions are deemed adequately regulated under another DEP program or by another government agency
Current Date:	8/7/1996
RAO Class:	
RAO Class Desc:	
Chemical Type:	
Release Type:	ADEQUATE REG
Location Type:	JUNKYARD
Category:	NONE
Initial Status Date:	8/2/1996
Notification Date:	7/15/1990
Source:	
Additional Files URL:	http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000792
Phase:	
Phase Desc:	
Office Town:	AMHERST

Actions

Action:	RAONR
Status:	ADQREG
RAO Class:	
Date:	8/7/1996
Status Description:	Adequately Regulated
Action:	REL
Status:	TCTRNS
RAO Class:	
Date:	7/15/1990
Status Description:	Valid Transition Site (Retired)

Chemical Information

Chemical:	WASTE OIL
Amount:	
Unit:	

Response Action Information

Response Action Type:	REL Potential Release or Threat of Release
Status:	TCTRNS Tier Classified Transition Sites
Submittal Date:	07/15/1990
RAO Class:	
Activity Use Limitation:	
Response Action Type:	RAONR RAO Not Required
Status:	ADQREG Adequately Regulated
Submittal Date:	08/07/1996
RAO Class:	
Activity Use Limitation:	

Location Information

Location:	JUNKYARD

Site: ***AMHERST COLLEGE POWER PLANT***

RTN:	1-0013105
Primary ID:	
Compliance Status:	
Current Status:	RAO
Current Status Desc:	Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date:	3/21/2002
RAO Class:	
RAO Class Desc:	
Chemical Type:	
Release Type:	RAO
Location Type:	SCHOOL
Category:	72 HR
Initial Status Date:	9/15/2000
Notification Date:	9/15/1999
Source:	HISTORICAL,UST,AST
Additional Files URL:	http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0013105
Phase:	PHASE II
Phase Desc:	Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined
Office Town:	AMHERST

Actions

Action:	RLFA
Status:	FLDRUN
RAO Class:	
Date:	7/3/2001
Status Description:	Compliance Field Response - Unannounced
Action:	RAO
Status:	RAORCD
RAO Class:	
Date:	3/21/2002
Status Description:	RAO Statement Received (retired)
Action:	IRA
Status:	PLANMD
RAO Class:	
Date:	6/19/2001
Status Description:	Modified Revised or Updated Plan Received
Action:	IRA
Status:	STRCVD
RAO Class:	
Date:	1/16/2001
Status Description:	Status or Interim Report Received
Action:	IRA
Status:	PLANWR
RAO Class:	
Date:	9/27/1999
Status Description:	Written Plan Received
Action:	PHASEI
Status:	CSRCVD
RAO Class:	
Date:	9/19/2000
Status Description:	Completion Statement Received
Action:	NOR
Status:	ISSUED
RAO Class:	
Date:	9/16/1999
Status Description:	Correspondence Issued
Action:	RLFA

Status: FLDRUN
RAO Class:
Date: 6/20/2001
Status Description: Compliance Field Response - Unannounced

Action: IRA
Status: PLANMD
RAO Class:
Date: 5/17/2001
Status Description: Modified Revised or Updated Plan Received

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 11/1/1999
Status Description: Follow-up Office Response

Action: IRA
Status: PLANWR
RAO Class:
Date: 7/12/2001
Status Description: Written Plan Received

Action: TCLASS
Status: RECPT
RAO Class:
Date: 9/19/2000
Status Description: Transmittal, Notice, or Notification Received

Action: IRA
Status: PLANMD
RAO Class:
Date: 6/28/2001
Status Description: Modified Revised or Updated Plan Received

Action: REL
Status: REPORT
RAO Class:
Date: 9/15/1999
Status Description: Reportable Release under MGL 21E

Action: IRA
Status: STRCVD
RAO Class:
Date: 1/22/2002
Status Description: Status or Interim Report Received

Action: IRA
Status: SNAUDI
RAO Class:
Date: 1/9/2001
Status Description: Level II - Audit Inspection

Action: RNF
Status: REPORT
RAO Class:
Date: 9/22/1999
Status Description: Reportable Release under MGL 21E

Action: RAO
Status: TSAUD
RAO Class:
Date: 6/10/2005
Status Description: Level I - Technical Screen Audit

Action: RLFA
Status: FLDRUN
RAO Class:
Date: 6/8/2001
Status Description: Compliance Field Response - Unannounced

Action: TCLASS
Status: TIERII
RAO Class:
Date: 9/19/2000
Status Description: Tier 2 Classification

Action: IRA
Status: APWRIT
RAO Class:
Date: 7/6/2001
Status Description: Written Approval of Plan

Action: IRA
Status: APORAL
RAO Class:
Date: 9/15/1999
Status Description: Oral Approval of Plan or Action

Action: RLFA
Status: FOLOFF
RAO Class:
Date: 3/26/2001
Status Description: Follow-up Office Response

Action: IRA
Status: STRCVD
RAO Class:
Date: 1/13/2000
Status Description: Status or Interim Report Received

Action: RLFA
Status: FLDRUN
RAO Class:
Date: 6/13/2001
Status Description: Compliance Field Response - Unannounced

Action: RLFA
Status: FLDRAN
RAO Class:
Date: 7/13/2001
Status Description: Compliance Field Response - Announced

Action: IRA
Status: CSRCVD
RAO Class:
Date: 3/21/2002
Status Description: Completion Statement Received

Action: IRA
Status: STRCVD
RAO Class:
Date: 7/11/2000
Status Description: Status or Interim Report Received

Chemical Information

Chemical: #2 FUEL OIL
Amount: 17
Unit: INCH

LSP Information

LSP: N/A
Name: OBRIEN, TIMOTHY J

Response Action Information

Response Action Type: IRA Immediate Response Action

Status: CSRCVD Completion Statement Received
Submittal Date: 03/21/2002
RAO Class:
Activity Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 09/15/1999
RAO Class:
Activity Use Limitation:

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 09/19/2000
RAO Class:
Activity Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: TIERII Tier 2 Classification
Submittal Date: 09/19/2000
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: TSAUD Level I - Technical Screen Audit
Submittal Date: 06/10/2005
RAO Class:
Activity Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 09/22/1999
RAO Class:
Activity Use Limitation:

RAO Information

Class: A2
Method: 1
GW Category: 2
Soil Category: 1

Tier Classification Details

RTN Total: 316
NRS II: 145
NRS III: 141
NRS IV: 30
NRS V: 0
NRS VI: 0
Zone 2: N
Imminent Hazard: N

Location Information

Location: SCHOOL

Source Information

Source: AST

Source: UST

Source: HISTORICAL

Site: ***KAISER PERMANENTE***
BELCHERTOWN RD AMHERST MA 01002

SPILLS

RTN: 1-0000338
Primary ID:
Compliance Status:
Current Status: DEPNDS
Current Status Desc: DEP Not a Disposal Site means that DEP has determined that these locations did not need to be reported and are not disposal sites
Current Date: 7/23/1993
RAO Class:
RAO Class Desc:
Chemical Type:
Release Type: DEPNDS
Location Type:
Category: NONE
Initial Status Date: 10/1/1993
Notification Date: 1/15/1989
Source:
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000338
Phase:
Phase Desc:
Office Town: AMHERST

Actions

Action: REL
Status: TCTRNS
RAO Class:
Date: 1/15/1989
Status Description: Valid Transition Site (Retired)

Action: TREGS
Status: DEPNDS
RAO Class:
Date: 7/23/1993
Status Description: Not a Disposal Site - DEP

Chemical Information

Chemical: UNKNOWN
Amount:
Unit:

Response Action Information

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 01/15/1989
RAO Class:
Activity Use Limitation:

Site: ***SEWAGE PUMP STATION***
PELHAM RD AMHERST MA 01002

SPILLS

RTN: 1-0000892
Primary ID:
Compliance Status:
Current Status: RAO
Current Status Desc: Response Action Outcome: A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated
Current Date: 8/3/1999
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated
Chemical Type:
Release Type: RAO
Location Type: MUNICIPAL
Category: NONE

Initial Status Date: 8/2/1997
Notification Date: 7/15/1991
Source: UST
Additional Files URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=1-0000892
Phase: PHASE II
Phase Desc: Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined
Office Town: AMHERST

Actions

Action: RLFA
Status: FLDRUN
RAO Class: A1
Date: 12/3/2015
Status Description: Compliance Field Response - Unannounced

Action: RLFA
Status: FLDRUN
RAO Class: A1
Date: 6/9/2000
Status Description: Compliance Field Response - Unannounced

Action: AUDCOM
Status: NAFNVD
RAO Class: A1
Date: 12/29/2011
Status Description: NAFNVD

Action: AUDCOM
Status: NAFNVD
RAO Class: A1
Date: 10/25/2004
Status Description: NAFNVD

Action: AUDCOM
Status: AFUPLN
RAO Class: A1
Date: 3/1/2002
Status Description: AFUPLN

Action: RLFA
Status: FLDRUN
RAO Class: A1
Date: 3/19/2008
Status Description: Compliance Field Response - Unannounced

Action: RLFA
Status: FLDRUN
RAO Class: A1
Date: 10/18/2004
Status Description: Compliance Field Response - Unannounced

Action: AUL
Status: SNAUDI
RAO Class: A1
Date: 12/29/2011
Status Description: Level II - Audit Inspection

Action: AUDCOM
Status: NAFNVD
RAO Class: A1
Date: 4/1/2008
Status Description: NAFNVD

Action: AUDCOM
Status: RFI
RAO Class: A1
Date: 10/31/2001
Status Description: RFI

Action: AUL
Status: SNAUDI
RAO Class: A1
Date: 10/25/2004
Status Description: Level II - Audit Inspection

Action: AUDCOM
Status: NAFNVD
RAO Class: A1
Date: 12/7/2015
Status Description: NAFNVD

Action: PHASII
Status: SOW
RAO Class: A1
Date: 12/24/1997
Status Description: Scope of Work Received

Action: RAO
Status: ACTAUD
RAO Class: A1
Date: 12/31/2001
Status Description: Level III - Comprehensive Audit

Action: RLFA
Status: FLDRUN
RAO Class: A1
Date: 12/29/2011
Status Description: Compliance Field Response - Unannounced

Action: AUL
Status: ACTAUD
RAO Class: A1
Date: 12/31/2001
Status Description: Level III - Comprehensive Audit

Action: PHASEI
Status: CSRCVD
RAO Class: A1
Date: 8/7/1997
Status Description: Completion Statement Received

Action: AUL
Status: RECPT
RAO Class: A1
Date: 8/3/1999
Status Description: Transmittal, Notice, or Notification Received

Action: AUL
Status: SNAUDI
RAO Class: A1
Date: 12/7/2015
Status Description: Level II - Audit Inspection

Action: TCLASS
Status: ACTAUD
RAO Class: A1
Date: 12/31/2001
Status Description: Level III - Comprehensive Audit

Action: RAO
Status: RAORCD
RAO Class: A1
Date: 8/3/1999
Status Description: RAO Statement Received (retired)

Action: REL
Status: TCTRNS
RAO Class: A1
Date: 7/15/1991

Status Description: Valid Transition Site (Retired)

Action: PHASEI
Status: ACTAUD
RAO Class: A1
Date: 12/31/2001
Status Description: Level III - Comprehensive Audit

Action: AUDCOM
Status: NAFNON
RAO Class: A1
Date: 12/31/2001
Status Description: NAFNON

Action: TCLASS
Status: RECPT
RAO Class: A1
Date: 8/7/1997
Status Description: Transmittal, Notice, or Notification Received

Action: AUDCOM
Status: NOA
RAO Class: A1
Date: 10/31/2001
Status Description: NOA

Action: TCLASS
Status: TIERII
RAO Class: A1
Date: 8/7/1997
Status Description: Tier 2 Classification

Chemical Information

Chemical: PETROLEUM
Amount:
Unit:

Response Action Information

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 07/15/1991
RAO Class:
Activity Use Limitation:

Response Action Type: AUL Activity and Use Limitation
Status: SNAUDI Level II - Audit Inspection
Submittal Date: 12/07/2015
RAO Class:
Activity Use Limitation:

Response Action Type: PHASEI Phase 1
Status: ACTAUD Level III-Comprehensive Audit
Submittal Date: 12/31/2001
RAO Class:
Activity Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: ACTAUD Level III-Comprehensive Audit
Submittal Date: 12/31/2001
RAO Class: A1
Activity Use Limitation: NOTICE

Response Action Type: PHASII Phase 2
Status: SOW Scope of Work Received
Submittal Date: 12/24/1997
RAO Class:
Activity Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: ACTAUD Level III-Comprehensive Audit
Submittal Date: 12/31/2001
RAO Class:
Activity Use Limitation:

RAO Information

Class: A1
Method: 3
GW Category: 3
Soil Category: 2

Tier Classification Details

RTN Total: 287
NRS II: 55
NRS III: 112
NRS IV: 40
NRS V: 80
NRS VI: 0
Zone 2: N
Imminent Hazard: N

Location Information

Location: MUNICIPAL

Source Information

Source: UST

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Oct 20, 2021

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Oct 20, 2021

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Oct 20, 2021

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Oct 20, 2021

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Oct 20, 2021

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 17, 2021

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Nov 17, 2021

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Nov 17, 2021

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Nov 17, 2021

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 17, 2021

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Aug 30, 2021

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Nov 17, 2021

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jul 26, 2021

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Oct 20, 2021

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 28, 2021

State

Waste Site Cleanup Notifications/Reportable Releases: RELEASE

This database contains information on all releases of oil and hazardous materials that have been reported to the Massachusetts Department of Environmental Protection (MassDEP).

Government Publication Date: Nov 25, 2021

Delisted Waste Site Cleanup Notification Sites: DELISTED REL

List of sites which no longer appear on the Waste Site Cleanup Notifications Site List published by the Massachusetts Department of Environmental Protection (MassDEP). Sites no longer appear on the public site list when, after investigation, it is determined that the release was below reporting thresholds, or that the site is not classified as a 21E site.

Government Publication Date: Nov 25, 2021

Solid Waste Facilities: SWF/LF

The Solid Waste Facility Master List provides information on landfills/dumping grounds, handling/transfer facilities, and combustion facilities. These solid waste operations in Massachusetts require site assignment and permitting by MassDEP's Bureau of Waste Prevention under 310 CMR 16.000 & 19.000.

Government Publication Date: Jan 14, 2020

Tank Related Leaks and Spills: LST

Records of Tank Related Leaks and Spills made available by the Massachussetts Department of Environmental Protection (DEP). When a release occurs from a storage tank or system, the owner/operator must notify the DEP. This database contains a listing of releases and spills from tanks and/or tank systems both above and underground.

Government Publication Date: Sep 8, 2017

Leaking Underground Storage Tanks (LUST): LUST

Sites that are within the Waste Site Cleanup Notifications/Reportable Releases Database that have a UST listed as source.

Government Publication Date: Nov 25, 2021

Leaking Aboveground Storage Tanks (LAST): LAST

Sites that are within the Waste Site Cleanup Notifications/Reportable Releases Database that have a AST listed as source.

Government Publication Date: Nov 25, 2021

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites that were removed from the Massachusetts Department of Environmental Protection (DEP) above and underground tank system.

Government Publication Date: Nov 25, 2021

Historic Leaking Underground Storage Tanks that occurred prior to October 1st 1993: HIST LUST

List of leaking underground storage tank incidents from the Spills Database used by the Waste Site Cleanup program at the Massachusetts Department of Environmental Protection for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the databases described above. Note that these files are considered a permanent version of the Spills Database and are unlikely to be updated.

Government Publication Date: Prior to Oct 1, 1993

Historic Leaking Aboveground Storage Tanks that occurred prior to October 1st 1993: HIST LAST

List of leaking aboveground storage tank incidents from the Spills Database used by the Waste Site Cleanup program at the Massachusetts Department of Environmental Protection for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the databases described above. Note that these files are considered a permanent version of the Spills Database and are unlikely to be updated.

Government Publication Date: Prior to Oct 1, 1993

Underground Storage Tanks (UST): UST

The Underground Storage Tank (UST) Program is a major component of the Massachusetts groundwater resource protection effort. This is a listing of all underground storage tanks registered in Massachusetts.

Government Publication Date: Nov 3, 2021

Aboveground Storage Tanks: AST

List of Aboveground Storage Tanks registered with the MA Department of Fire Services. Addresses provided by DFS are owner addresses, which may or may not coincide with the physical location of the tanks.

Government Publication Date: Nov 8, 2021

Delisted Storage Tanks: DELISTED STORAGE TANK

This database contains a list of storage tank sites that were removed from the Massachusetts Department of Environmental Protection storage tank database.

Government Publication Date: Nov 3, 2021

Sites with Activity and Use Limitations: AUL

The approximate location of oil or hazardous material release/disposal sites where an AUL has been filed. An AUL provides notice of the presence of oil and/or hazardous material contamination remaining at the location after a cleanup has been conducted pursuant to Chapter 21E and the MCP. The AUL is a legal document that identifies activities and uses of the property that may and may not occur, as well as the property owner's obligation and maintenance conditions that must be followed to ensure the safe use of the property. The complete AUL is filed at the County Registry of Deeds office for the respective City/Town.

Government Publication Date: Nov 25, 2021

Completed Brownfields Covenants: BROWNFIELDS COV

List of sites with Completed Brownfields Covenants made available by the Massachusetts Department of Environmental Protection (MassDEP). Under Massachusetts law, M.G.L. c. 21E provides the Attorney General's Office with the authority to enter into Brownfields Covenant Not to Sue Agreements for brownfields sites not addressed by the automatic liability protections.

Government Publication Date: Jun 5, 2017

Massachusetts Brownfield Tracking: BROWNFIELDS

List of reported releases at properties that meet the unofficial definition of a Brownfield site in Massachusetts, described as a real property whose redevelopment may be complicated by actual or perceived contamination by oil or hazardous materials. These properties are typically abandoned or for sale or lease and have been used for commercial or industrial purposes. Although the presence of contamination - or the fear of potential contamination - and the desire to redevelop/re-use a property is all it takes to be considered a candidate for brownfield incentives, a property's inclusion on this list does not automatically qualify it as a "Brownfield" site under other regulations, including Massachusetts Department of Energy Resources (DOER) regulations.

Government Publication Date: Dec 31, 2018

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

Leaking Underground Storage Tanks (LUSTs) in Region 1. There are no LUST records in Massachusetts at this time.

Government Publication Date: Oct 14, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

Underground Storage Tanks (USTs) on Tribal/Indian Lands in Region. There are no UST records in Massachusetts at this time.

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Sep 17, 2021

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Oct 20, 2021

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Jun 14, 2021

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2021

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: May 26, 2021

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 2, 2021

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Oct 25, 2021

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Oil Spill Program: SPILLS

The Massachusetts' Energy and Environmental Affairs' Department of Environmental Protection (DEP) manages The Bureau of Waste Site Cleanup and is responsible with ensuring immediate and effective response to environmental emergencies, such as oil spills, as well as timely assessment and cleanup of oil and hazardous waste disposal sites by parties responsible for them.

Government Publication Date: Nov 27, 2017

Historic Spills that occurred prior to October 1st 1993: HIS SPILLS

List of spill incidents from the Spills Database used by the Waste Site Cleanup program at the Massachusetts Department of Environmental Protection for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the databases described above. Note that these files are considered a permanent version of the Spills Database and are unlikely to be updated.

Government Publication Date: Prior to Oct 1, 1993

Dry Cleaners: DRYCLEANERS

List of dry cleaners made available by the Massachusetts Department of Environmental Protection (MassDEP).

Government Publication Date: Oct 8, 2021

Delisted Dry Cleaners: DELISTED DRYCLEANER

Sites which one appeared on - and have since been removed from - the list of dry cleaners made available by the Massachusetts Department of Environmental Protection (MassDEP).

Government Publication Date: Oct 8, 2021

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

A list of releases reported to the Massachusetts Department of Environmental Protection (MassDEP) where the chemical is in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 25, 2021

Tier Classified Oil and/or Hazardous Material Sites: OIL & HAZ MAT

List of approximate locations of oil and/or hazardous material disposal sites that have been (1) reported and (2) Tier Classified under M.G.L. Chapter 21E and the Massachusetts Contingency Plan (MCP). This listing has been made available by Massachusetts Department of Environmental Protection (MassDEP).

Government Publication Date: Dec 22, 2020

Hazardous Waste and Waste Oil Generators: GEN

List of permanent generator identification numbers for Massachusetts generators of hazardous waste and waste oil that have registered with or notified the Massachusetts Department of Environmental Protection (MassDEP) of their hazardous waste activities as defined in 310 CMR 30.00, the Massachusetts Hazardous Waste Regulations.

Government Publication Date: Nov 23, 2021

Tier 2 Report: TIER 2

A list oF facilities in Massachusetts that store hazardous chemicals and are required to report them under the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986. This list is made available by the Massachusetts Emergency Management Agency (MEMA).

Government Publication Date: Sep 10, 2018

Asbestos Projects: ASBESTOS PROJECT

A list of asbestos projects made available by the Massachusetts Department of Environmental Protection (MASSDEP). Includes asbestos notifications for any project involving asbestos abatement, removal, or disposal, and construction and demolition (C&D) notifications for any C&D project, except in a residential building with fewer than 20 units.

Government Publication Date: Sep 15, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX E

RESEARCH DOCUMENTATION

MassDEP - Bureau of Waste Site Cleanup

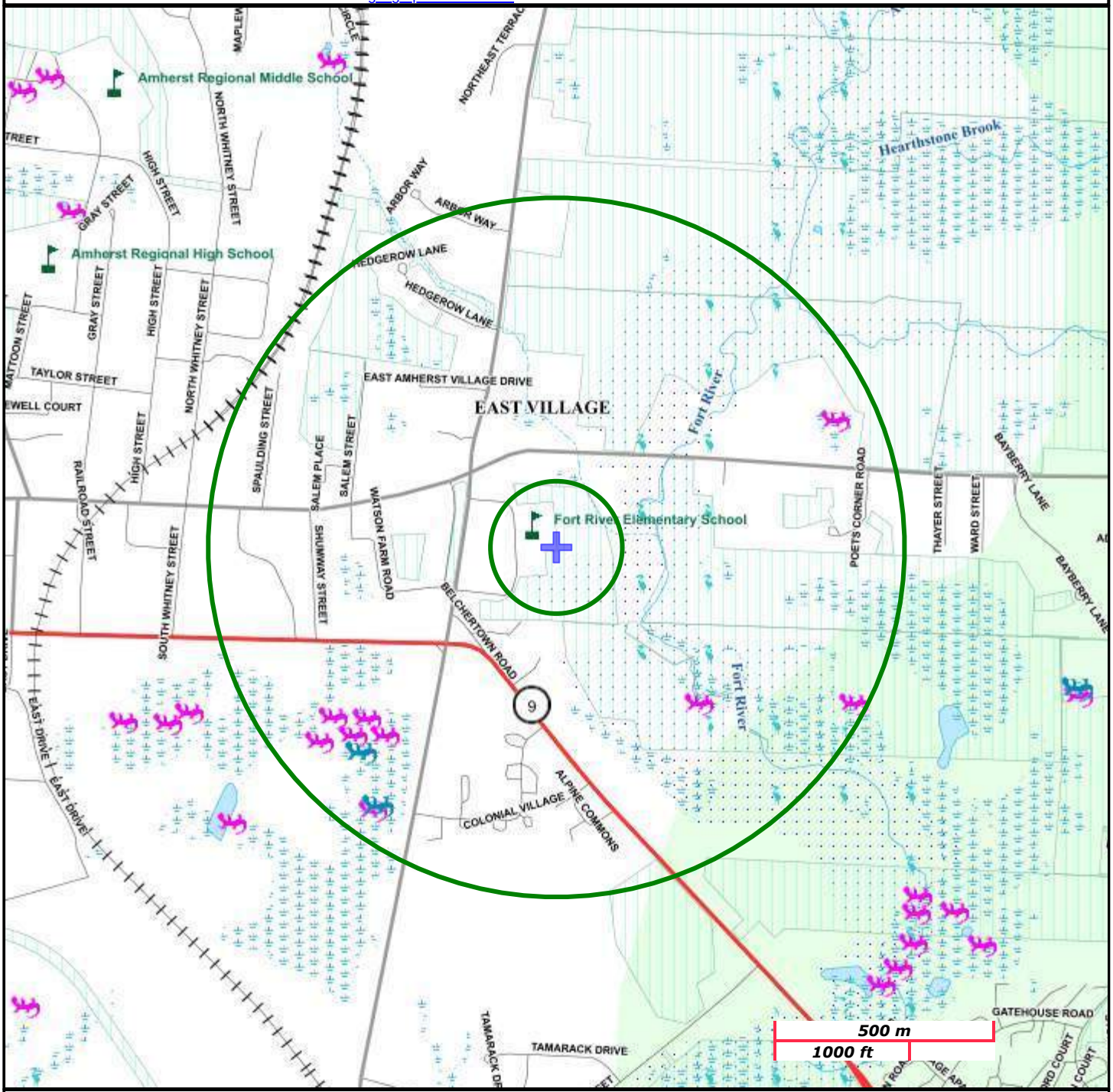
Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:
FORT RIVER ELEMENTARY SCHOOL
70 S. EAST STREET AMHERST, MA

NAD83 UTM Meters:
4694433mN , 705988mE (Zone: 18)
January 16, 2022

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: https://www.mass.gov/orgs/massgis-bureau-of-geographic-information.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail
Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct
Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam
Aquifers: Medium Yield, High Yield, EPA Sole Source
Non Potential Drinking Water Source Area: Medium, High (Yield)
PWS Protection Areas: Zone II, IWPA, Zone A
Hydrography: Open Water, PWS Reservoir, Tidal Flat
Wetlands: Freshwater, Saltwater, Cranberry Bog
FEMA 100yr Floodplain; Protected Open Space; ACEC
Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential
Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

E5042-015
September 1, 2021

Mr. David Slowick
Bureau of Waste Site Cleanup
Department of Environmental Protection
436 Dwight Street
Springfield, MA 01103

Re: **Post-Temporary Solution Status and Remedial Monitoring Report**
Former Amherst Manufactured Gas Plant
Pelham Road, Amherst, Massachusetts
RTN 1-14253

Dear Mr. Slowick:

On behalf of NSTAR Electric Company d/b/a/ Eversource Energy (Eversource), Tighe & Bond has prepared this Post-Temporary Solution Status and Remedial Monitoring Report (RMR) for the operation of the dense non-aqueous phase liquid (DNAPL) recovery systems as described in the Phase IV – As-Built Construction Report Part I (dated January 7, 2008) and the Temporary Solution Statement (dated March 5, 2021) at the former Amherst Manufactured Gas Plant (MGP) on Pelham Road in Amherst, Massachusetts (the Site). This report has been prepared in accordance with the Massachusetts Contingency Plan (MCP) at 310 CMR 40.0898, and summarizes the reporting period from December 9, 2020 to August 2, 2021. Following submittal of the Temporary Solution Statement on March 5, 2021, deadlines to submit status reports were adjusted to September and March, rather than January and July. The Comprehensive Response Action (CRA) transmittal form (BWSC-108) and RMR transmittal form (BWSC-108A) have been submitted to the Massachusetts Department of Environmental Protection (MassDEP) concurrently with this report using eDEP. A copy of the BWSC-108 and BWSC-108A forms is provided in Appendix A. For reference, a Site Location map (Figure 1), Massachusetts Bureau of Geographic Information (MassGIS) Priority Resources map (Figure 2), Orthophotograph Site Plan (Figure 3) and Orthophotograph Site Plan - Northern Area (Figure 4) are provided in Appendix B.

As described in the Phase IV – As-Built Construction Report and Temporary Solution Statement, the system recovers coal tar DNAPL. The recovery equipment are located in two recovery sheds: one is located west of Fort River at 854 Main Street (Shed #1), and the other is located east of Fort River at 17 Pelham Road (Shed #2), as shown in Figure 5 in Appendix A. Additionally, a manually–activated DNAPL recovery system was deployed in monitoring wells MW-3 and MW-28, and recovery well RW-1 in 2009, in MW-13, MW-20, MW-22, MW-24 and piezometer PZ-7 in 2012, and in RW-2 in 2017. The DNAPL recovery systems began operation on July 25, 2007, and comprise the first part of the CRA. Upon completion of DNAPL recovery activities, the second part of the CRA may include excavation and restoration of selected areas to achieve a Permanent Solution with Conditions. Monitoring of the systems was performed approximately weekly during this reporting period. Based on monitoring data collected during this period, the CRA has operated as described in the Phase IV – As-Built Construction Report and Temporary Solution Statement. No significant modifications were made during this reporting period to the DNAPL recovery systems. Quarterly gauging during this reporting period was conducted on April 23, 2021. The results of quarterly gauging conducted on August 20, 2021 will be included in the next report.

The systems at Shed #1 recovered DNAPL for 165 out of 236 days during this reporting period. The non-recovery periods were from January 29 to February 17, March 3 to 11, March

24 to April 2, May 7 to 13, June 16 to 24, and July 12 to August 2, 2021 when DNAPL levels were low in RW-4 and the equipment was deactivated to allow DNAPL rebound. The systems at Shed #2 recovered DNAPL for 221 out of 236 days during this reporting period. The non-recovery periods were from January 6 to 13, and June 16 to 24, 2021 when recovery drums were full and required replacement. Full 55-gallon drums of recovered coal tar DNAPL were removed by a licensed hazardous waste transporter on January 13 and June 24, 2021. Copies of the manifests are provided in Appendix C.

During this reporting period, the recovery systems extracted 176.5 gallons of DNAPL. Since the beginning of recovery operations in May 2003, the total volume of DNAPL recovered is approximately 10,619 gallons. A summary of quarterly water levels and DNAPL thicknesses are provided in Table 1 in Appendix D. Groundwater levels and DNAPL thicknesses at wells with discernible DNAPL are provided in Plots 1 through 14 in Appendix E. The overall decreasing trend of DNAPL thicknesses across the Site demonstrates the effectiveness of the DNAPL recovery systems.

The recovery of DNAPL continues to be an effective approach to control and remove the primary contaminant source from the environment. It is anticipated that the DNAPL recovery systems will continue to operate during 2021. As the Site-wide DNAPL recovery curve (Plot 15 in Appendix E) approaches its asymptote, the second part of the CRA will be initiated. In addition to the total volume of DNAPL removed, the annual recovery of DNAPL is also presented. As shown in Plot 15, the annual volume removed has been decreasing since 2011 and was approximately 280 gallons for the year ending on July 28, 2021, compared to 296 gallons for the year ending on July 31, 2020.

In summary, the DNAPL recovery systems are performing as expected. The next status report and RMR will be submitted to MassDEP in March 2022.

If you have any questions or require additional information, please contact Saskia Oosting at (781) 441-8566 or Matthew Wagner at (413) 572-3258.

Very truly yours,

TIGHE & BOND, INC.

Matthew G. Wagner, LSP
Senior Environmental Scientist

Enclosures

Appendix A	BWSC-108 and BWSC-108A Transmittal Forms
Appendix B	Figures
Appendix C	Hazardous Waste Manifests
Appendix D	Summary Table
Appendix E	Plots
Appendix F	Subsurface Investigation Limitations

CC (by email): Saskia Oosting, P.G., LSP, Eversource

Amherst Select Board Chair
Amherst Town Hall
4 Boltwood Avenue
Amherst, MA 01002

Amherst Health Department
Town of Amherst
Bangs Center
70 Boltwood Walk
Amherst, MA 01002

Amherst Conservation Commission
Town of Amherst
4 Boltwood Avenue
Amherst, MA 01002

Mr. Fredrick L. Luddy
36 Pelham Road
Amherst, MA 01002

Mr. Bernard Brennan
89 North East Street
Amherst, MA 01002

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Tighe&Bond

APPENDIX A

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 108

Release Tracking Number
1 - 14253

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

A. SITE LOCATION:

1. Site Name: FORMER AMHERST GAS WORKS

2. Street Address: 36 PELHAM RD

3. City/Town: AMHERST 4. ZIP Code:

☑ 5. Check here if the disposal site that is the source of the release is Tier Classified. Check the current Tier Classification Category:

☐ a. Tier I ☐ b. Tier ID ☑ c. Tier II

B. THIS FORM IS BEING USED TO: (check all that apply)

☐ 1. Submit a **Phase I Completion Statement,** pursuant to 310 CMR 40.0484.

☐ 2. Submit a **Revised Phase I Completion Statement,** pursuant to 310 CMR 40.0484.

☐ 3. Submit a **Phase II Scope of Work,** pursuant to 310 CMR 40.0834.

☐ 4. Submit an **interim Phase II Report.** This report does not satisfy the response action deadline requirements in 310 CMR 40.0500.

☐ 5. Submit a **final Phase II Report and Completion Statement,** pursuant to 310 CMR 40.0836.

☐ 6. Submit a **Revised Phase II Report and Completion Statement,** pursuant to 310 CMR 40.0836.

☐ 7. Submit a **Phase III Remedial Action Plan and Completion Statement,** pursuant to 310 CMR 40.0862.

☐ 8. Submit a **Revised Phase III Remedial Action Plan and Completion Statement,** pursuant to 310 CMR 40.0862.

☐ 9. Submit a **Phase IV Remedy Implementation Plan,** pursuant to 310 CMR 40.0874.

☐ 10. Submit a **Modified Phase IV Remedy Implementation Plan,** pursuant to 310 CMR 40.0874.

☐ 11. Submit an **As-Built Construction Report,** pursuant to 310 CMR 40.0875.

☐ 12. Submit a **Phase IV Status Report,** pursuant to 310 CMR 40.0877.

☐ 13. Submit a **Phase IV Completion Statement,** pursuant to 310 CMR 40.0878 and 40.0879.

Specify the outcome of Phase IV activities: (check one)

☐ a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Permanent or Temporary Solution.

☐ b. The requirements of a Permanent Solution have been met. A completed Permanent Solution Statement and Report (BWSC104) will be submitted to DEP.

☐ c. The requirements of a Temporary Solution have been met. A completed Temporary Solution Statement and Report (BWSC104) will be submitted to DEP.

B. THIS FORM IS BEING USED TO (cont.): (check all that apply)

☐ 14. Submit a **Revised Phase IV Completion Statement,** pursuant to 310 CMR 40.0878 and 40.0879.

☐ 15. Submit a **Phase V Status Report,** pursuant to 310 CMR 40.0892.

☑ 16. Submit a **Remedial Monitoring Report.** (This report can only be submitted through eDEP.)

a. Type of Report: (check one) ☐ i. Initial Report ☑ ii. Interim Report ☐ iii. Final Report

b. Frequency of Submittal: (check all that apply)

☐ i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.

☐ ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.

☑ iii. A Remedial Monitoring Report(s) submitted every six months, concurrent with a Status Report.

☐ iv. A Remedial Monitoring Report(s) submitted annually, concurrent with a Status Report.

c. Status of Site: (check one) ☐ i. Phase IV ☐ ii. Phase V ☐ iii. Remedy Operation Status ☑ iv. Temporary Solution

d. Number of Remedial Systems and/or Monitoring Programs: 1

A separate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

☐ 17. Submit a **Remedy Operation Status,** pursuant to 310 CMR 40.0893.

☐ 18. Submit a **Status Report to maintain a Remedy Operation Status,** pursuant to 310 CMR 40.0893(2).

☐ 19. Submit a **Transfer and/or a Modification of Persons Maintaining a Remedy Operation Status (ROS),** pursuant to 310 CMR 40.0893(5) (check one, or both, if applicable).

☐ a. Submit a Transfer of Persons Maintaining an ROS (the transferee should be the person listed in Section D, "Person Undertaking Response Actions").

☐ b. Submit a Modification of Persons Maintaining an ROS (the primary representative should be the person listed in Section D, "Person Undertaking Response Actions").

c. Number of Persons Maintaining an ROS not including the primary representative: _____

☐ 20. Submit a **Termination of a Remedy Operation Status,** pursuant to 310 CMR 40.0893(6).(check one)

☐ a. Submit a notice indicating ROS performance standards have not been met. A plan and timetable pursuant to 310 CMR 40.0893(6)(b) for resuming the ROS are attached.

☐ b. Submit a notice of Termination of ROS.

☐ 21. Submit a **Phase V Completion Statement,** pursuant to 310 CMR 40.0894.

Specify the outcome of Phase V activities: (check one)

☐ a. The requirements of a Permanent Solution have been met. A completed Permanent Solution Statement and Report (BWSC104) will be submitted to DEP.

☐ b. The requirements for a Temporary Solution have been met. A completed Temporary Solution Statement and Report (BWSC104) will be submitted to DEP.

☐ 22. Submit a **Revised Phase V Completion Statement,** pursuant to 310 CMR 40.0894.

☑ 23. Submit a **Temporary Solution Status Report,** pursuant to 310 CMR 40.0898.

☐ 24. Submit a **Plan for the Application of Remedial Additives** near a sensitive receptor, pursuant to 310 CMR 40.0046(3).

a. Status of Site: (check one)

☐ i. Phase IV ☐ ii. Phase V ☐ iii. Remedy Operation Status ☐ iv. Temporary Solution

C. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> *if Section B indicates that a* ***Phase I, Phase II, Phase III, Phase IV or Phase V Completion Statement*** *and/or a* ***Termination of a Remedy Operation Status*** *is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B indicates that a* ***Phase II Scope of Work*** *or a* ***Phase IV Remedy Implementation Plan*** *is being submitted,* the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B indicates that an* ***As-Built Construction Report,*** *a* ***Remedy Operation Status,*** *a* ***Phase IV, Phase V or Temporary Solution Status Report,*** *a* ***Status Report to Maintain a Remedy Operation Status,*** *a* ***Transfer or Modification of Persons Maintaining a Remedy Operation Status*** *and/or a* ***Remedial Monitoring Report*** *is being submitted,* the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP#: 3546

2. First Name: MATTHEW G 3. Last Name: WAGNER

4. Telephone: 4135723258 5. Ext.: 6. Email:

7. Signature:

8. Date: (mm/dd/yyyy)

9. LSP Stamp:

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

D. PERSON UNDERTAKING RESPONSE ACTIONS:

1. Check all that apply: ☑ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions

2. Name of Organization: NSTAR ELECTRIC COMPANY D/B/A EVERSOURCE ENERGY

3. Contact First Name: SASKIA 4. Last Name: OOSTING

5. Street: 247 STATION DR SE270 6. Title: SEN. ENV. SPECIALIST-REMEDIATION

7. City/Town: WESTWOOD 8. State: MA 9. ZIP Code: 020902396

10. Telephone: 7814418566 11. Ext: 12. Email: saskia.oosting@eversource.com

E. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RESPONSE ACTIONS: ☐ Check here to change relationship

☑ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☑ e. Other RP or PRP Specify: NON-SPECIFIED PRP

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Undertaking Response Actions Specify Relationship:

F. REQUIRED ATTACHMENT AND SUBMITTALS:

☐ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☐ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.

☐ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase III Remedial Action Plan.

☐ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase IV Remedy Implementation Plan.

☐ 5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.

☐ 6. If submitting a Transfer of a Remedy Operation Status (as per 310 CMR 40.0893(5)), check here to certify that a statement detailing the compliance history for the person making this submittal (transferee) is attached.

☐ 7. If submitting a Modification of a Remedy Operation Status (as per 310 CMR 40.0893(5)), check here to certify that a statement detailing the compliance history for each new person making this submittal is attached.

☐ 8. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to: BWSC.eDEP@state.ma.us.

☑ 9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:

1. I, _____, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

>*if Section B indicates that this is a* **Modification of a Remedy Operation Status (ROS),** I attest under the pains and penalties of perjury that I am fully authorized to act on behalf of all persons performing response actions under the ROS as stated in 310 CMR 40.0893(5)(d) to receive oral and written correspondence from MassDEP with respect to performance of response actions under the ROS, and to receive a statement of fee amount as per 4.03(3).

I understand that any material received by the Primary Representative from MassDEP shall be deemed received by all the persons performing response actions under the ROS, and I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate or incomplete information.

2. By: _____ (Signature)

3. Title: SEN. ENV. SPECIALIST-REMEDIATION

4. For: NSTAR ELECTRIC COMPANY D/B/A EVERSOURCE ENERGY (Name of person or entity recorded in Section D)

5. Date: _____ (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. Email: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO $10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup
CRA REMEDIAL MONITORING REPORT
Pursuant to 310 CMR 40.0800 (SUBPART H)
Remedial System or Monitoring Program: 1 of: 1

BWSC108 -A

Release Tracking Number
1 - 14253

A. DESCRIPTION OF ACTIVE OPERATION AND MAINTENANCE ACTIVITY:

1. Type of Active Operation and Maintenance Activity: (check all that apply)

☑ a. Active Remedial System: (check all that apply)

☑ i. NAPL Recovery ☐ ii. Soil Vapor Extraction/Bioventing ☐ iii. Vapor-phase Carbon Adsorption
☐ iv. Groundwater Recovery ☐ v. Dual/Multi-phase Extraction ☐ vi. Aqueous-phase Carbon Adsorption
☐ vii. Air Stripping ☐ viii. Sparging/Biosparging ☐ ix. Cat/Thermal Oxidation
☐ x. Other Describe:

☐ b. Active Exposure Pathway Elimination Measure
Active Exposure Pathway Mitigation System to address (check one): ☐ i. Indoor Air ☐ ii. Drinking Water

☐ c. Application of Remedial Additives: (check all that apply)
☐ i. To the Subsurface ☐ ii. To Groundwater (Injection) ☐ iii. To the Surface

☐ d. Active Remedial Monitoring Program Without the Application of Remedial Additives: (check all that apply; Sections C, D and E are not required; attach supporting information, data, maps and/or sketches needed by checking Section G5)
☐ i. Reactive Wall ☐ ii. Natural Attenuation ☐ iii. Other Describe:

2. Mode of Operation: (check one)
☐ a. Continuous ☑ b. Intermittent ☐ c. Pulsed ☐ d. One-time Event Only ☐ e. Other:

3. System Effluent/Discharge: (check all that apply)
☐ a. Sanitary Sewer/POTW
☐ b. Groundwater Re-infiltration/Re-injection: (check one) ☐ i. Downgradient ☐ ii. Upgradient
☐ c. Vapor-phase Discharge to Ambient Air: (check one) ☐ i. Off-gas Controls ☐ ii. No Off-gas Controls
☐ d. Drinking Water Supply
☐ e. Surface Water (including Storm Drains)
☑ f. Other Describe: NO DISCHARGE

B. MONITORING FREQUENCY:

1. Reporting period that is the subject of this submittal: From: 12/9/2020 (mm/dd/yyyy) To: 8/2/2021 (mm/dd/yyyy)

2. Number of monitoring events during the reporting period: (check one)
☐ a. System Startup: (if applicable)
☐ i. Days 1, 3, 6, and then weekly thereafter, for the first month.
☐ ii. Other Describe:

☑ b. Post-system Startup (after first month) or Monitoring Program:
☐ i. Monthly
☐ ii. Quarterly
☐ iii. Annually
☑ iv. Other Describe: WEEKLY

☑ 3. Check here to certify that the number of required monitoring events were conducted during the reporting period.

C. EFFLUENT/DISCHARGE REGULATION: (check one to indicate how the effluent/discharge limits were established)

☐ 1. NPDES: (check one) ☐ a. Remediation General Permit ☐ b. Individual Permit
☐ c. Emergency Exclusion Effective Date of Permit: (mm/dd/yyyy)

☐ 2. MCP Performance Standard MCP Citations(s):

☐ 3. DEP Approval Letter Date of Letter: (mm/dd/yyyy)

☑ 4. Other Describe: NOT APPLICABLE

D. WASTEWATER TREATMENT PLANT OPERATOR: (check one)

☐ 1. Required due to Remedial Wastewater Treatment Plant in place for more than 30 days.

a. Name: _____ b. Grade: _____

c. License No: _____ d. License Exp. Date: _____ (mm/dd/yyyy)

☐ 2. Not Required

☑ 3. Not Applicable

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (check all that apply)

☑ 1. The Active Remedial System was functional one or more days during the Reporting Period.

a. Days System was Fully Functional: 158 b. GW Recovered (gals): _____

c. NAPL Recovered (gals): 176.5 d. GW Discharged (gals): _____

e. Avg. Soil Gas Recovery Rate (scfm): _____ f. Avg. Sparging Rate (scfm): _____

☐ 2. Remedial Additives: (check all that apply)

☐ a. No Remedial Additives applied during the Reporting Period.

☐ b. Enhanced Bioremediation Additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Nitrogen/Phosphorus:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Microorganisms:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

☐ c. Chemical oxidation/reduction additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Permanganates:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Persulfates:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (cont.)

☐ d. Other additives applied: (total quantity applied at the site for the current reporting period)

Name of Additive	Date	Quantity	Units	Name of Additive	Date	Quantity	Units

☐ e. Check here if any additional Remedial Additives were applied. Attach list of additional additives and include Name of Additive, Date Applied, Quantity Applied and Units (in gals. or lbs.)

F. SHUTDOWNS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM: (check all that apply)

☑ 1. The Active Remedial System had unscheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Unscheduled Shutdowns: 2 b. Total Number of Days of Unscheduled Shutdowns: 15

c. Reason(s) for Unscheduled Shutdowns: FULL DRUMS - WAITING ON DISPOSAL CONTRACTOR

☐ 2. The Active Remedial System had scheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Scheduled Shutdowns: _____ b. Total Number of Days of Scheduled Shutdowns: _____

c. Reason(s) for Scheduled Shutdowns: _____

☐ 3. The Active Remedial System or Active Remedial Monitoring Program was permanently shutdown/discontinued during the Reporting Period.

a. Date of Final System or Monitoring Program Shutdown: _____ (mm/dd/yyyy)

☐ b. No Further Effluent Discharges.

☐ c. No Further Application of Remedial Additives planned; sufficient monitoring completed to demonstrate compliance with 310 CMR 40.0046.

☐ d. No Further Submittals Planned.

☐ e. Other: Describe: _____

G. SUMMARY STATEMENTS: (check all that apply for the current reporting period)

☑ 1. All Active Remedial System checks and effluent analyses required by the approved plan and/or permit were performed when applicable.

☑ 2. There were no significant problems or prolonged (>25% of reporting period) unscheduled shutdowns of the Active Remedial System.

☑ 3. The Active Remedial System or Active Remedial Monitoring Program operated in conformance with the MCP, and all applicable approval conditions and/or permits.

4. Indicate any Operational Problems or Notes:

☐ 5. Check here if additional/supporting Information, data, maps, and/or sketches are attached to the form.

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APPENDIX B

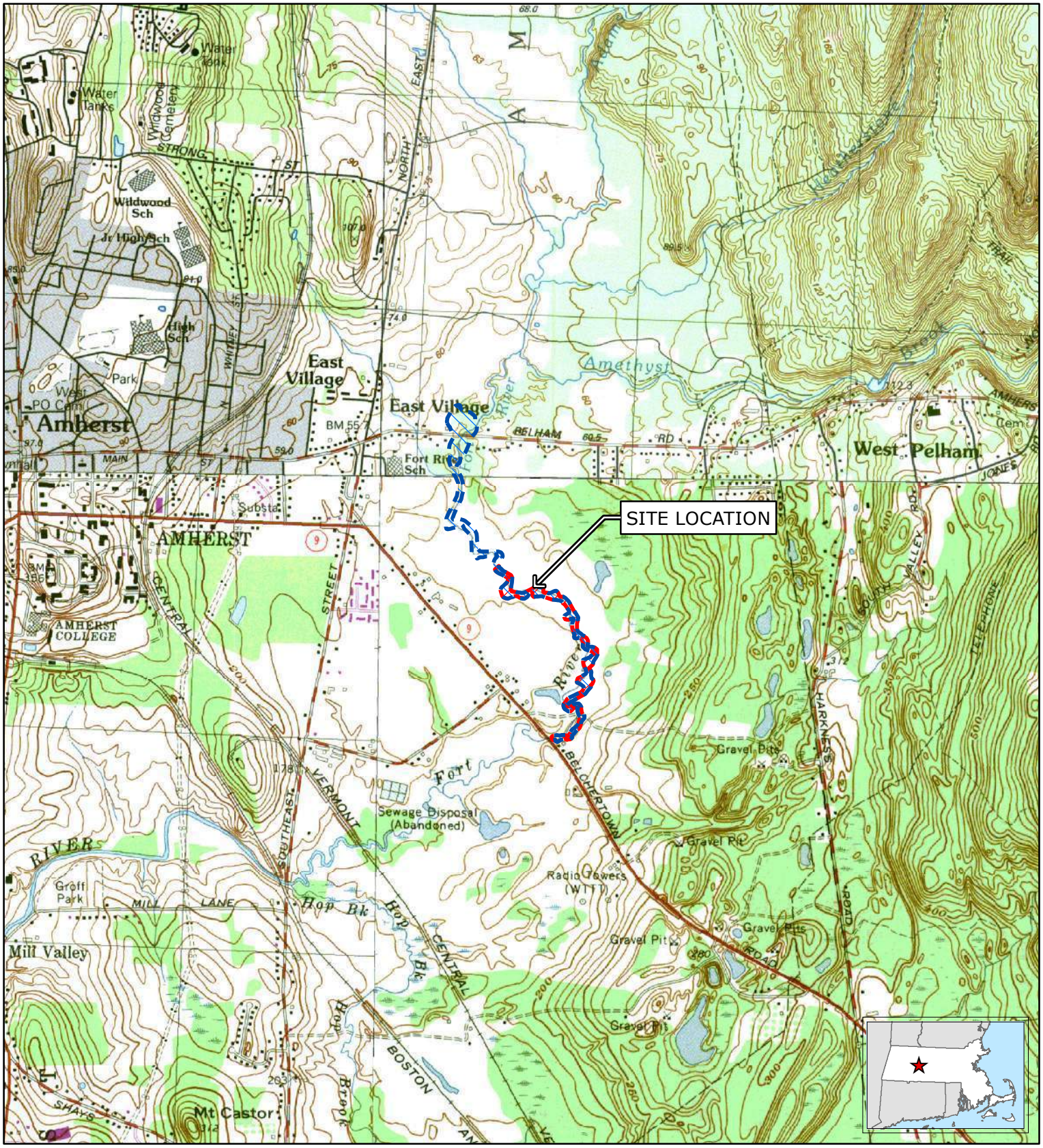


FIGURE 1
SITE LOCATION

Former Amherst Manufactured Gas Plant
Pelham Road
Amherst, Massachusetts
RTN 1-14253

August 2021

1:24,000
0 1,000 2,000
Feet

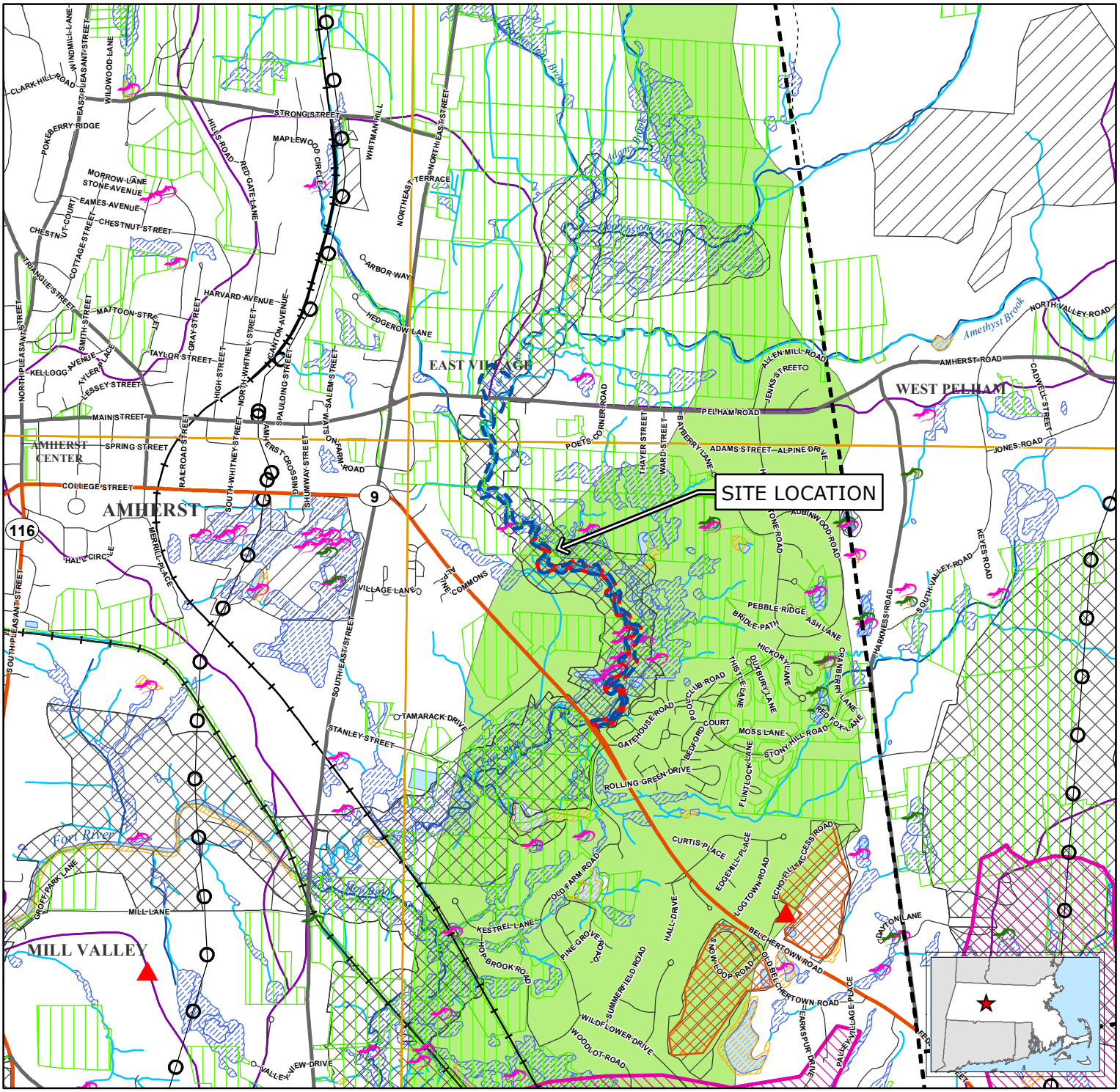
N

Tighe&Bond

Based on USGS Topographic Map for Belchertown, MA Revised 1979. Contour Interval Equals 3-meters.

V:\Projects\N\N0990\Maps\Updated_20210205\FormerAmherstManufacturedGasPlant_AmherstMA_Fig1.mxd [Exported By: kjw, 8/19/2021, 9:07:21 AM]

E-5042



Legend

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- Non-Landfill Solid Waste Sites
- Proposed Well
- Emergency Surface Water
- Community Public Water Supply - Surface Water
- Community Public Water Supply - Groundwater
- Non-Community Non-Transient Public Water Supply
- Non-Community Transient Public Water Supply
- Limited Access Highway
- Multi-Lane Highway, NOT Limited Access
- Other Numbered Highway
- Major Road - Collector
- Minor Street or Road
- Aquaducts
- Hydrologic Connections
- Stream/Intermittent Stream
- Powerline
- Pipeline
- Track or Trail
- Trains
- Public Surface Water Supply Protection Area (Zone A)
- DEP Approved Wellhead Protection Area (Zone I)
- DEP Approved Wellhead Protection Area (Zone II)
- DEP Interim Wellhead Protection Area (IWPA)
- Protected and Recreational Open Space
- Solid Waste Landfill
- Area of Critical Environmental Concern (ACEC)
- NHESP Priority Habitats for Rare Species
- NHESP Estimated Habitats for Rare Wildlife
- EPA Designated Sole Source Aquifer
- Major Drainage Basin
- Sub Drainage Basin
- MassDEP Open Water
- MassDEP Inland Wetlands
- MassDEP Coastal Wetlands
- MassDEP Not Interpreted Wetlands
- Public Surface Water Supply (PSWS)
- Water Bodies
- Non-Potential Drinking Water Source Area - High Yield
- Non-Potential Drinking Water Source Area - Medium Yield
- Potentially Productive Medium Yield Aquifer
- Potentially Productive High Yield Aquifer
- County Boundary
- Town Boundary
- USGS Quadrangle Sheet Boundary

1:24,000

0 1,000 2,000

Feet

N

FIGURE 2
PRIORITY RESOURCES

Former Amherst Manufactured Gas Plant
Pelham Road
Amherst, Massachusetts
RTN 1-14253

Data source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology
Data valid as of August 2021.

August 2021

Tighe&Bond

V:\Projects\N\N0990\Maps\Updated_20210205\FormerAmherstManufacturedGasPlant_AmherstMA_Fig2.mxd [Exported By: kjw, 8/19/2021, 9:17:54 AM]

E-5042

Former Amherst Manufactured Gas Plant

Legend

- Sediment Sample Location
- Boring Location
- DART
- TOX
- Monitoring Well
- Disposal Site Boundary and Limits of Temporary Solution
- Disposal Site Boundary for PPA Area of Site and Limits of Partial Permanent Solution
- Parcel Boundary
- Potentially Productive Medium Yield Aquifer
- Partial Class C-2 RAO Boundary

1:2,400

0 100 200 400

Feet

Based on MassGIS Color Orthophotography (2019)

FIGURE 3 - Orthophoto Site Plan

Former Amherst Manufactured Gas Plant
Pelham Road, Amherst, Massachusetts
RTN 1-14253

February 2021

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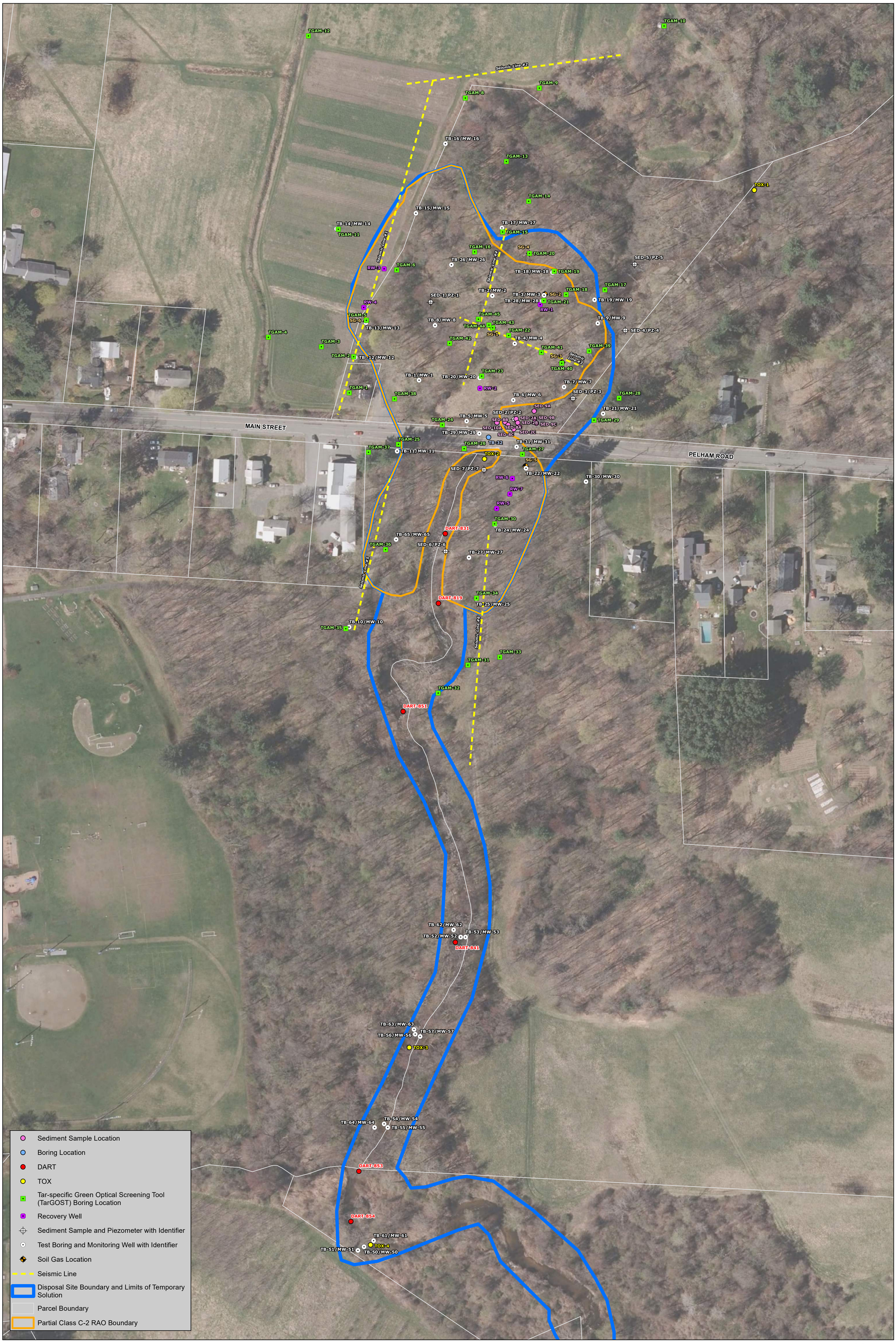
V:\Projects\N\N0990\Maps\Updated_20210205\FormerAmherstManufacturedGasPlant_AmherstMA_Fig3.mxd



1 inch = 75 feet

0 75 150

Feet

Based on MassGIS Color Orthophotography (2019)

FIGURE 4 - Orthophotograph Site Plan (Northern Area)

Former Amherst Manufactured Gas Plant
Pelham Road, Amherst, Massachusetts
RTN 1-14253

February 2021

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V:\Projects\N\N0990\Maps\Updated_20210205\FormerAmherstManufacturedGasPlant_AmherstMA_Fig4_AllData_20210302.mxd

N

SED-4/PZ-4
SED-5/PZ-5
WETLAND BOUNDARIES (TYP)
MW-19
MW-9
FORT RIVER
MW-21
PELHAM ROAD
MW-30
SED-3/PZ-3
MW-7
MW-18
MW-3
RW-1
MW-28
SED-9C
SED-9B
SED-9A
SED-2C
SED-2B
MW-6
SED-2A
SED-8A
SED-10A
MW-4
MW-17
MW-2
MW-20
RW-2
TB-32
MW-5
MW-29
MW-31
17 PELHAM ROAD
8'x8' REMEDIATION SHED #2
TO HOUSE DNAPL
COLLECTION SYSTEMS
MW-22
RW-6
RW-7
SED-8C
SED-8B
RW-5
SED-7
PZ-7
MW-24
MW-25
MW-27
MW-16
MW-26
PZ-1/SED-1
MW-8
SED-6/PZ-6
FORT RIVER
MW-15
MW-1
MW-11
854 MAIN STREET
8'x8' REMEDIATION SHED #1
TO HOUSE DNAPL
COLLECTION SYSTEMS
MW-65
SECURITY FENCE (TYP)
RW-3
RW-4
MW-13
MW-12
MW-10
MW-14
AMHERST SANITARY SEWER PUMP STATION
MAIN STREET

LEGEND

MW-4	MONITORING WELL
PZ-4	PIEZOMETER AND SEDIMENT SAMPLE
RW-4	6-INCH DNAPL RECOVERY WELL
SED-8A	SEDIMENT SAMPLE LOCATION
----------	CONDUIT FROM RECOVERY WELL TO REMEDIATION SHED
— - — - —	PROPERTY LINE

FIGURE 5

SITE PLAN

FORMER AMHERST MANUFACTURED GAS PLANT
PELHAM ROAD
AMHERST, MASSACHUSETTS
RTN 1-14253

DATE: 8/2021
SCALE: 1"=100'±
BY: MGW

Tighe&Bond
www.tighebond.com

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APPENDIX C

Please print or type.

4258-7

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
MAC300008612	1	8005365063	0211383 3 JJK

GENERATOR

5. Generator's Name and Mailing Address
Eversource Energy
247 Station Drive, SE270
Westwood MA 02090
Att: Saskia Oosting

Generator's Phone: 781 441 8566

Generator's Site Address (if different than mailing address)
Eversource Energy-former Manufactured Gas Plant
17 Pelham Rd
Amherst MA 01002

6. Transporter 1 Company Name
Strategic Environmental Services, Inc.

U.S. EPA ID Number
MAC301023

7. Transporter 2 Company Name
Republic Env Sys. (Trans Group) LLC

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Petro-Chem Processing Group
421 Lycaste St
Detroit MI 48214

U.S. EPA ID Number
MID 806152988

Facility's Phone: 313 824-5840

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, Hazardous waste, liquid, n.o.s., (Naphthalene, Toluene), 9, PGIII	002	DM	0110	G	U239	U220	U165
						U137	U120	U050
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
K142, K141, D010, D009) CN#110775 1)(I.E.T) 1608337-01 Coal Tar Liquid ERG#171 (Also: U022, K148, K147, K145, K144, K143, (2x55)

53C6387 Job# 19-0378

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: SASKIA OOSTING AGENT FOR EVERSOURCE Signature: Saskia E Oosting Month: 01 Day: 13 Year: 21 — 1331

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mark Lynch Signature: Mark Lynch Month: 01 Day: 13 Year: 21

Transporter 2 Printed/Typed Name: CHARLES ELLS Signature: Charles Ells Month: 1 Day: 18 Year: 21

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☑ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Signature: Month: 01 Day: 13 Year: 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
MAC300006612	1	800 535 5053	022045512 JJK

GENERATOR

5. Generator's Name and Mailing Address
Eversource Energy
247 Station Drive, SE270
Westwood MA 02090
Att: Saskia Oosting
Generator's Phone: 781 441 8566

Generator's Site Address (if different than mailing address)
Eversource Energy-former Manufactured Gas Plant
854 Main Street
Amherst MA 01002

6. Transporter 1 Company Name
Strategic Environmental Services, Inc.
U.S. EPA ID Number: MAC300102423

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Petro-Chem Processing Group
421 Lycaste St
Detroit MI 48214
Facility's Phone: 313 824-5840
U.S. EPA ID Number: MID980615293

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, Hazardous waste, liquid, n.o.s., (Naphthalene, Toluene), 9, PGIII	001	DM	55	G	U238 U220 U165 U137 U120 U050
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1)(I,E,T) 1608374-01 Coal Tar Liquid 1 x55gl ERG#171 (Also: U022, K148, K147, K145, K144, K143, K142, K141, D010, D009) INFOTRAC 110775

Job# 18-0379

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: SASKIA OOSTING AGENT FOR EVERSOURCE
Signature:
Month: 06 Day: 24 Year: 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Francis P Amaro Sr
Signature:
Month: 06 Day: 24 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
HM1			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: 6 Day: 24 Year: 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COPY

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
MAC300008612	1	800 535 5053	022045511 JJK

GENERATOR

5. Generator's Name and Mailing Address
Eversource Energy
247 Station Drive, SE270
Westwood MA 02090
Attn: Saskia Gosting
Generator's Phone: 781 441 8566

Generator's Site Address (if different than mailing address)
Eversource Energy-former Manufactured Gas Plant
17 Pelham Rd
Amherst MA 01002

6. Transporter 1 Company Name: Strategic Environmental Services, Inc.
U.S. EPA ID Number: MAC300102423

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Petro-Chem Processing Group
421 Lycaste St
Detroit MI 48214
Facility's Phone: 313 824-5540
U.S. EPA ID Number: MID980615298

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, Hazardous waste, liquid, n.o.s., (Naphthalene, Toluene), 9, PGIII	002	DM	110	G	U239 U220 U165 U137 U120 U050
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
*(I,E,T) 16508337-01 Coal Tar Liquid 2 X55g ERG#171 (Also: U022, K148, K147, K145, K144, K143, K142, K141, D010, D009) INFOTRAC CN#110776

Job# 19-0378

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: SASKIA GOSTING AGENT FOR EVERSOURCE
Signature
Month 06 Day 24 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Francis P Amore Sr
Signature
Month 06 Day 24 Year 21

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Gino Nickerson
Signature
Month 06 Day 24 Year 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

Tighe&Bond

APPENDIX D

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		7/10/2007			10/18/2007			1/8/2008		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	168.31	NA[4]	0.00	168.28	NA	0.00	169.21	NA	0.00
MW-2	175.24	169.70	NA	0.00	169.63	NA	0.00	170.63	NA	0.00
MW-3	174.41	169.91	NA	0.00	169.77	NA	***(T)***	170.70	NA	***(1.5)***
MW-4	175.15	169.10	NA	0.00	169.01	NA	0.00	169.72	NA	0.00
MW-5	175.43	167.77	NA	0.00	167.78	NA	0.00	168.30	NA	0.00
MW-6	175.51	168.23	NA	0.00	168.10	NA	0.00	168.54	NA	0.00
MW-7	173.80	168.60	NA	0.00	168.45	NA	0.00	168.94	NA	0.00
MW-8	172.91	168.91	NA	0.00	168.85	NA	0.00	169.95	NA	0.00
MW-9	173.74	169.42	NA	0.00	169.30	NA	0.00	169.79	NA	0.00
MW-10	171.23	166.20	NA	0.00	166.10	NA	0.00	166.50	NA	0.00
MW-11	174.22	167.42	NA	0.00	167.35	NA	0.00	Buried under a snowbank		
MW-12	172.34	168.48	NA	0.00	168.41	NA	0.00	169.41	NA	0.00
MW-13	173.22	169.16	NA	***(57)***	169.06	NA	***(77)***	170.22	NA	***(77)***
MW-14	175.60	169.73	NA	0.00	169.66	NA	0.00	171.35	NA	0.00
MW-15	174.09	170.01	NA	0.00	169.96	NA	0.00	171.49	NA	0.00
MW-16	174.31	Damaged			170.68	NA	0.00	172.59	NA	0.00
MW-17	175.06	170.10	NA	0.00	170.05	NA	0.00	171.28	NA	0.00
MW-18	174.39	169.78	NA	0.00	169.70	NA	0.00	170.65	NA	0.00
MW-19	172.87	169.55	NA	0.00	169.45	NA	0.00	170.07	NA	0.00
MW-20	175.41	168.59	NA	***(9)***	168.52	NA	***(12)***	169.27	NA	***(10)***
MW-21	174.10	171.67	NA	0.00	168.46	NA	0.00	168.86	NA	0.00
MW-22	173.41	167.60	NA	***(15)***	167.66	NA	***(16.5)***	168.03	NA	***(15)***
MW-24	172.28	Damaged			167.19	NA	***(49)***	167.66	NA	***(48)***
MW-25	171.61	166.68	NA	0.00	166.55	NA	0.00	166.98	NA	0.00
MW-26	174.01	169.81	NA	0.00	169.77	NA	0.00	171.12	NA	0.00
MW-27	171.09	167.08	NA	0.00	166.95	NA	0.00	167.36	NA	0.00
MW-28	174.06	169.59	NA	***(9)***	169.51	NA	***(10)***	170.45	NA	***(10.5)***
MW-29	177.22	167.76	NA	0.00	167.68	NA	0.00	168.12	NA	***(0.5)***
MW-30	172.28	167.82	NA	0.00	167.70	NA	0.00	168.09	NA	0.00
MW-31	177.16	167.81	NA	0.00	167.66	NA	***(2)***	168.05	NA	***(2)***
RW-1	174.46	169.62	NA	***(34)***	169.52	NA	***(6.75)***	170.44	NA	***(7)***
RW-2	175.31	168.49	NA	***(56)***	168.42	NA	***(55)***	169.18	NA	***(54)***
RW-3	173.76	169.44	NA	0.00	169.39	NA	0.00	Buried under snowcover		
RW-4	173.20	168.92	NA	***(105)***	168.90	NA	***(105)***	170.15	NA	***(106)***
RW-5	172.28	167.32	NA	***(90)***	167.20	NA	***(85.5)***	167.65	NA	***(84)***
RW-6	173.08	167.71	NA	***(56)***	168.03	NA	***(57.75)***	167.94	NA	***(51)***
RW-7	171.83	167.70	NA	0.00	167.60	NA	0.00	167.94	NA	0.00
PZ-1	170.89[2]	172.10	172.10	0.00	171.96	No Free Water	0.00	172.13	Frozen	0.00
PZ-2	166.33[3]	167.98	167.98	0.00	167.82	167.74	0.00	168.21	168.16	0.00
PZ-3	167.34[3]	168.47	168.44	0.00	168.31	168.26	0.00	168.69	168.64	0.00
PZ-5	168.73[3]	169.50	169.51	0.00	169.38	169.35	0.00	169.90	169.88	0.00
PZ-6	167.03[3]	166.88	166.56	0.00	166.77	169.79	0.00	167.14	167.11	0.00
PZ-7	166.96[3]	166.92	167.02	0.00	166.82	166.86	0.00	167.19	167.23	0.00

[1] - mean sea level

[2] - Bottom of potential Vernal Pool

[3] - Bottom of Fort River

[4] - Not Applicable

[5] - Not Measured

[6] - Piezometer reinstalled on 8-1-08

[7] - The Fort River bed at the base of the piezometer was dry; elsewhere, water was observed

(T)=Trace (0.005)

TABLE 1
Water Level and DNAPL Thicknesses for Groundwater and Surface Water
Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		4/9/2008			7/2/2008			10/2/2008		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.99	NA	0.00	169.27	NA	0.00	169.30	NA	0.00
MW-2	175.24	171.20	NA	0.00	170.50	NA	0.00	170.55	NA	0.00
MW-3	174.41	171.45	NA	***(1.5)***	170.66	NA	***(1.5)***	170.66	NA	***(2)***
MW-4	175.15	170.28	NA	0.00	169.68	NA	0.00	169.72	NA	0.00
MW-5	175.43	168.93	NA	0.00	168.30	NA	0.00	168.32	NA	0.00
MW-6	175.51	169.05	NA	0.00	168.50	NA	0.00	168.55	NA	0.00
MW-7	173.80	169.41	NA	0.00	168.98	NA	0.00	168.98	NA	0.00
MW-8	172.91	170.73	NA	0.00	169.95	NA	0.00	170.13	NA	0.00
MW-9	173.74	170.26	NA	0.00	169.78	NA	0.00	169.85	NA	0.00
MW-10	171.23	167.05	NA	0.00	166.50	NA	0.00	166.59	NA	0.00
MW-11	174.22	168.31	NA	0.00	167.81	NA	0.00	167.75	NA	0.00
MW-12	172.34	169.35	NA	0.00	169.51	NA	0.00	169.45	NA	0.00
MW-13	173.22	NM[5]	NA	***(70)***	170.34	NA	***(71)***	170.01	NA	***(99)***
MW-14	175.60	172.01	NA	0.00	171.25	NA	0.00	171.17	NA	0.00
MW-15	174.09	172.08	NA	***(T)***	170.96	NA	0.00	171.30	NA	0.00
MW-16	174.31	173.01	NA	0.00	172.17	NA	0.00	172.15	NA	0.00
MW-17	175.06	171.83	NA	0.00	171.05	NA	0.00	171.15	NA	0.00
MW-18	174.39	171.15	NA	0.00	170.48	NA	0.00	170.55	NA	0.00
MW-19	172.87	170.51	NA	0.00	169.97	NA	0.00	170.06	NA	0.00
MW-20	175.41	169.99	NA	***(10)***	169.31	NA	***(8.5)***	169.29	NA	***(8)***
MW-21	174.10	169.21	NA	0.00	168.97	NA	0.00	168.97	NA	0.00
MW-22	173.41	168.57	NA	***(12)***	168.02	NA	***(10)***	168.11	NA	***(10)***
MW-24	172.28	168.11	NA	***(36)***	168.01	NA	***(36)***	167.62	NA	***(33)***
MW-25	171.61	167.55	NA	0.00	166.93	NA	0.00	167.02	NA	0.00
MW-26	174.01	171.74	NA	0.00	170.94	NA	0.00	171.00	NA	0.00
MW-27	171.09	167.87	NA	0.00	167.33	NA	0.00	167.38	NA	0.00
MW-28	174.06	170.96	NA	***(11)***	170.29	NA	***(11)***	170.36	NA	***(12)***
MW-29	177.22	168.39	NA	***(T)***	168.03	NA	0.00	168.12	NA	***(T)***
MW-30	172.28	168.66	NA	0.00	168.11	NA	0.00	168.16	NA	0.00
MW-31	177.16	168.53	NA	***(2)***	168.00	NA	***(1.5)***	168.12	NA	***(1)***
RW-1	174.46	170.97	NA	***(6.25)***	170.28	NA	***(7)***	169.52	NA	***(6)***
RW-2	175.31	169.92	NA	***(52.5)***	169.23	NA	***(49)***	169.23	NA	***(43.5)***
RW-3	173.76	171.51	NA	0.00	170.69	NA	0.00	170.69	NA	0.00
RW-4	173.20	170.99	NA	***(105)***	170.14	NA	***(104)***	170.13	NA	***(104)***
RW-5	172.28	168.19	NA	***(77)***	167.64	NA	***(35)***	167.71	NA	***(45.5)***
RW-6	173.08	168.45	NA	***(54)***	167.92	NA	***(47.5)***	168.11	NA	***(54.25)***
RW-7	171.83	168.43	NA	0.00	167.94	NA	0.00	167.98	NA	0.00
PZ-1	170.89	172.27	172.27	0.00	172.14	172.19	0.00	172.53	172.27	0.00
PZ-2	166.33	168.67	168.56	0.00	168.16	168.06	0.00	167.25	168.16	0.00
PZ-3	167.34	169.13	169.08	0.00	168.70	168.65	0.00	168.99	168.97	0.00
PZ-5	168.73	170.37	170.37	0.00	169.74	169.80	0.00	169.90	169.87	0.00
PZ-6[6]	167.03	Destroyed by high flow			Destroyed by high flow			167.24	167.11	0.00
PZ-7[6]	166.96	Destroyed by high flow			Destroyed by high flow			167.23	167.22	***(16)***

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		1/27/2009			4/22/2009			7/14/2009		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.12	NA	0.00	169.48	NA	0.00	169.00	NA	0.00
MW-2	175.24	170.45	NA	0.00	170.92	NA	0.00	170.34	NA	0.00
MW-3	174.41	170.76	NA	***(1.50)***	171.19	NA	***(1.00)***	170.52	NA	***(1.00)***
MW-4	175.15	169.67	NA	0.00	170.05	NA	0.00	169.50	NA	0.00
MW-5	175.43	168.35	NA	0.00	168.74	NA	0.00	168.18	NA	0.00
MW-6	175.51	168.60	NA	0.00	169.04	NA	0.00	168.43	NA	0.00
MW-7	173.80	168.96	NA	0.00	169.41	NA	0.00	168.77	NA	0.00
MW-8	172.91	170.01	NA	0.00	170.41	NA	0.00	169.91	NA	0.00
MW-9	173.74	169.88	NA	0.00	170.24	NA	0.00	169.66	NA	0.00
MW-10	171.23	166.97	NA	0.00	167.03	NA	0.00	166.43	NA	0.00
MW-11	174.22	Buried under a snowbank			168.05	NA	0.00	167.68	NA	0.00
MW-12	172.34	169.36	NA	0.00	169.78	NA	0.00	169.30	NA	0.00
MW-13	173.22	170.01	NA	***(60.75)***	170.46	NA	***(62.50)***	170.05	NA	***(65.00)***
MW-14	175.60	Frozen			171.39	NA	0.00	170.89	NA	0.00
MW-15	174.09	171.09	NA	0.00	171.68	NA	0.00	171.04	NA	0.00
MW-16	174.31	171.95	NA	0.00	172.67	NA	0.00	171.73	NA	0.00
MW-17	175.06	170.99	NA	0.00	171.53	NA	0.00	170.83	NA	0.00
MW-18	174.39	170.46	NA	0.00	170.95	NA	0.00	170.28	NA	0.00
MW-19	172.87	170.07	NA	0.00	170.45	NA	0.00	169.84	NA	0.00
MW-20	175.41	169.25	NA	***(9.00)***	169.61	NA	***(9.00)***	169.11	NA	***(9.25)***
MW-21	174.10	168.99	NA	0.00	169.41	NA	0.00	168.84	NA	0.00
MW-22	173.41	168.16	NA	***(10.25)***	168.56	NA	***(9.50)***	167.96	NA	***(7.50)***
MW-24	172.28	167.72	NA	***(32.00)***	169.33	NA	***(30.00)***	167.48	NA	***(30.75)***
MW-25	171.61	167.26	NA	0.00	167.47	NA	0.00	166.81	NA	0.00
MW-26	174.01	170.78	NA	0.00	171.31	NA	0.00	170.67	NA	0.00
MW-27	171.09	167.53	NA	0.00	167.83	NA	0.00	167.23	NA	0.00
MW-28	174.06	170.29	NA	***(10.00)***	170.74	NA	***(10.00)***	170.10	NA	***(9.00)***
MW-29	177.22	No access			168.58	NA	0.00	167.95	NA	0.00
MW-30	172.28	Buried under a snowbank			168.61	NA	0.00	168.01	NA	0.00
MW-31	177.16	No access			168.61	NA	***(1.00)***	167.97	NA	***(2.00)***
RW-1	174.46	170.31	NA	***(6.75)***	170.85	NA	***(8.00)***	170.11	NA	***(5.00)***
RW-2	175.31	169.18	NA	***(40.00)***	169.30	NA	***(22.75)***	169.04	NA	***(9.50)***
RW-3	173.76	Buried under a snowcover			171.02	NA	0.00	170.44	NA	0.00
RW-4	173.20	169.92	NA	***(102.00)***	170.42	NA	***(101.00)***	169.94	NA	***(98.75)***
RW-5	172.28	167.78	NA	***(33.00)***	168.17	NA	***(17.00)***	167.55	NA	***(10.50)***
RW-6	173.08	167.94	NA	***(47.50)***	168.41	NA	***(14.00)***	167.87	NA	***(52.50)***
RW-7	171.83	167.99	NA	0.00	168.30	NA	0.00	167.90	NA	0.00
PZ-1	170.89	Frozen			171.97	172.31	0.00	172.15	172.24	0.00
PZ-2	166.33	Frozen			168.82	168.69	0.00	168.86	168.04	0.00
PZ-3	167.34	Frozen			169.33	169.54	0.00	169.10	168.87	0.00
PZ-5	168.73	Frozen			170.21	170.44	0.00	169.90	169.74	0.00
PZ-6	167.03	Frozen			167.57	167.54	T	167.04	167.05	0.00
PZ-7	166.96	Frozen			167.73	167.78	**(17.00)**	167.10	167.09	**(16.50)**

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		10/1/2009			1/12/2010			4/8/2010		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	168.41	NA	0.00	169.10	NA	0.00	169.80	NA	0.00
MW-2	175.24	169.77	NA	0.00	170.29	NA	0.00	170.99	NA	0.00
MW-3	174.41	170.02	NA	***(1.50)***	170.58	NA	***(2.00)***	171.33	NA	***(1.00)***
MW-4	175.15	169.12	NA	0.00	169.53	NA	0.00	170.09	NA	0.00
MW-5	175.43	167.85	NA	0.00	168.23	NA	0.00	168.70	NA	0.00
MW-6	175.51	168.19	NA	0.00	168.49	NA	0.00	168.89	NA	0.00
MW-7	173.80	168.56	NA	0.00	168.83	NA	0.00	169.26	NA	0.00
MW-8	172.91	169.25	NA	0.00	169.93	NA	0.00	170.76	NA	0.00
MW-9	173.74	169.14	NA	0.00	169.70	NA	0.00	170.08	NA	0.00
MW-10	171.23	166.29	NA	0.00	166.49	NA	0.00	166.95	NA	0.00
MW-11	174.22	167.39	NA	0.00	167.73	NA	0.00	168.15	NA	0.00
MW-12	172.34	168.61	NA	0.00	169.31	NA	0.00	170.07	NA	0.00
MW-13	173.22	169.25	NA	***(62.00)***	169.96	NA	***(66.00)***	170.91	NA	***(59.00)***
MW-14	175.60	169.89	NA	0.00	170.83	NA	0.00	171.78	NA	0.00
MW-15	174.09	170.17	NA	0.00	170.96	NA	0.00	171.86	NA	0.00
MW-16	174.31	170.85	NA	0.00	171.78	NA	0.00	172.75	NA	0.00
MW-17	175.06	170.20	NA	0.00	170.80	NA	0.00	171.55	NA	0.00
MW-18	174.39	169.81	NA	0.00	170.27	NA	0.00	170.90	NA	0.00
MW-19	172.87	169.56	NA	0.00	169.89	NA	0.00	170.28	NA	0.00
MW-20	175.41	168.64	NA	***(9.00)***	169.15	NA	***(8.75)***	169.78	NA	***(8.25)***
MW-21	174.10	168.61	NA	0.00	168.83	NA	0.00	169.29	NA	0.00
MW-22	173.41	167.73	NA	***(8.00)***	168.00	NA	***(8.50)***	168.41	NA	***(8.00)***
MW-24	172.28	167.29	NA	***(31.00)***	167.53	NA	***(30.00)***	167.93	NA	***(24.50)***
MW-25	171.61	166.62	NA	0.00	166.88	NA	0.00	167.33	NA	0.00
MW-26	174.01	169.94	NA	0.00	170.67	NA	0.00	171.50	NA	0.00
MW-27	171.09	167.05	NA	0.00	167.30	NA	0.00	167.66	NA	0.00
MW-28	174.06	169.65	NA	***(9.00)***	170.11	NA	***(9.50)***	170.73	NA	***(9.00)***
MW-29	177.22	167.99	NA	***(1.00)***	168.19	NA	0.00	168.39	NA	0.00
MW-30	172.28	167.80	NA	0.00	168.07	NA	0.00	168.48	NA	0.00
MW-31	177.16	167.77	NA	***(1.50)***	168.03	NA	***(1.50)***	168.37	NA	***(1.00)***
RW-1	174.46	169.65	NA	***(5.00)***	170.11	NA	***(4.50)***	170.73	NA	***(1.50)***
RW-2	175.31	168.53	NA	***(38.00)***	169.04	NA	***(25.00)***	169.73	NA	***(9.00)***
RW-3	173.76	166.59	NA	0.00	170.33	NA	0.00	171.28	NA	0.00
RW-4	173.20	169.20	NA	***(100.00)***	169.91	NA	***(78.00)***	170.78	NA	***(98.00)***
RW-5	172.28	167.34	NA	***(9.00)***	167.61	NA	***(8.00)***	168.00	NA	***(8.00)***
RW-6	173.08	167.61	NA	***(43.50)***	167.88	NA	***(47.00)***	168.27	NA	***(44.00)***
RW-7	171.83	167.68	NA	0.00	167.93	NA	0.00	168.21	NA	0.00
PZ-1	170.89	172.12	172.14	0.00	Frozen			172.14	172.14	0.00
PZ-2	166.33	168.88	167.84	0.00	Frozen			168.59	168.41	0.00
PZ-3	167.34	168.72	168.70	0.00	Frozen			169.77	169.43	0.00
PZ-5	168.73	169.75	169.50	0.00	Frozen			170.05	170.20	0.00
PZ-6	167.03	166.87	Dry[7]	0.00	Frozen			167.35	167.33	0.00
PZ-7	166.96	166.89	166.91	***15.00***	Frozen			167.49	167.46	**(12.00)**

TABLE 1
Water Level and DNAPL Thicknesses for Groundwater and Surface Water
Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		7/14/2010			10/21/2010			1/11/2011		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	168.27	NA	0.00	168.09	NA	0.00	168.95	NA	0.00
MW-2	175.24	169.61	NA	0.00	170.18	NA	0.00	170.19	NA	0.00
MW-3	174.41	170.03	NA	***(0.50)***	170.38	NA	***(0.50)***	170.54	NA	***(0.50)***
MW-4	175.15	169.02	NA	0.00	169.40	NA	0.00	169.45	NA	0.00
MW-5	175.43	167.60	NA	0.00	168.03	NA	0.00	168.18	NA	0.00
MW-6	175.51	168.17	NA	0.00	168.32	NA	0.00	168.48	NA	0.00
MW-7	173.80	168.53	NA	0.00	168.66	NA	0.00	168.76	NA	0.00
MW-8	172.91	169.10	NA	0.00	169.79	NA	0.00	169.81	NA	0.00
MW-9	173.74	169.36	NA	0.00	169.51	NA	0.00	169.60	NA	0.00
MW-10	171.23	166.23	NA	0.00	166.45	NA	0.00	166.63	NA	0.00
MW-11	174.22	167.37	NA	0.00	167.54	NA	0.00	Under Snow & Ice Pile		
MW-12	172.34	167.28	NA	0.00	169.11	NA	0.00	169.11	NA	0.00
MW-13	173.22	169.04	NA	***(42.00)***	169.83	NA	***(60.00)***	169.81	NA	***(63.00)***
MW-14	175.60	169.68	NA	0.00	170.67	NA	0.00	170.63	NA	0.00
MW-15	174.09	169.91	NA	***(T)***	170.82	NA	0.00	170.76	NA	0.00
MW-16	174.31	170.71	NA	0.00	171.67	NA	0.00	171.64	NA	0.00
MW-17	175.06	170.08	NA	0.00	170.70	NA	0.00	170.67	NA	0.00
MW-18	174.39	169.62	NA	0.00	170.15	NA	0.00	170.16	NA	0.00
MW-19	172.87	169.49	NA	0.00	169.72	NA	0.00	169.79	NA	0.00
MW-20	175.41	168.54	NA	***(9.00)***	168.99	NA	***(8.50)***	169.07	NA	***(8.00)***
MW-21	174.10	166.52	NA	0.00	168.65	NA	0.00	168.79	NA	0.00
MW-22	173.41	167.68	NA	***(7.00)***	167.82	NA	***(8.00)***	168.01	NA	***(7.75)***
MW-24	172.28	167.00	NA	***(31.50)***	168.10	NA	***(29.00)***	167.60	NA	***(29.50)***
MW-25	171.61	166.53	NA	0.00	166.72	NA	0.00	166.97	NA	0.00
MW-26	174.01	169.81	NA	0.00	170.54	NA	0.00	170.52	NA	0.00
MW-27	171.09	166.99	NA	0.00	167.12	NA	0.00	167.45	NA	0.00
MW-28	174.06	169.52	NA	***(8.125)***	169.96	NA	***(9.500)***	170.00	NA	***(8.00)***
MW-29	177.22	167.65	NA	0.00	167.79	NA	***(T)***	168.29	NA	0.00
MW-30	172.28	167.76	NA	0.00	167.90	NA	0.00	168.04	NA	0.00
MW-31	177.16	167.70	NA	***(0.50)***	167.85	NA	***(0.50)***	168.03	NA	***(T)***
RW-1	174.46	169.52	NA	***(3.50)***	169.97	NA	***(4.00)***	170.01	NA	***(1.00)***
RW-2	175.31	167.48	NA	***(9.00)***	168.93	NA	***(21.00)***	168.99	NA	***(33.00)***
RW-3	173.76	169.37	NA	T	170.22	NA	0.00	Under snowcover		
RW-4	173.20	168.97	NA	***(82.00)***[8]	169.77	NA	***(94.00)***	169.62	NA	***(91.00)***
RW-5	172.28	167.29	NA	***(15.00)***	167.44	NA	***(31.00)***	167.65	NA	***(6.50)***
RW-6	173.08	167.84	NA	***(40.00)***	167.71	NA	***(48.00)***	167.86	NA	***(41.00)***
RW-7	171.83	167.59	NA	0.00	167.79	NA	0.00	167.85	NA	0.00
PZ-1	170.89	171.99	No Free Water	0.00	172.09	172.09	0.00	Frozen		
PZ-2	166.33	167.89	167.84	0.00[9]	167.94	167.81	0.00	Frozen		
PZ-3	167.34	168.81	168.81	0.00[10]	168.91	168.86	0.00	Frozen		
PZ-5	168.73	169.53	169.45	0.00	169.65	169.60	0.00	Frozen		
PZ-6	167.03	167.82	167.92	0.00	166.89	166.98	0.00	Frozen		
PZ-7	166.96	166.83	166.83	***(11.00)***	166.94	166.92	***(12.00)***	Frozen		

[8] - Measured while recovery pump was activated
[9] - No access to wellpoint - Wellpoint filled with sand
[10] - No access to wellpoint - Casing bent at top of wellpoint

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		4/14/2011			7/20/2011			10/19/2011		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	170.17	NA	0.00	168.43	NA	0.00	169.70	NA	0.00
MW-2	175.24	171.39	NA	0.00	169.70	NA	0.00	170.84	NA	0.00
MW-3	174.41	171.78	NA	***(1.50)***	170.10	NA	***(1.00)***	171.04	NA	***(3.00)***
MW-4	175.15	170.44	NA	0.00	169.06	NA	0.00	169.98	NA	0.00
MW-5	175.43	169.20	NA	0.00	167.79	NA	0.00	168.78	NA	0.00
MW-6	175.51	169.38	NA	0.00	168.12	NA	0.00	168.97	NA	0.00
MW-7	173.80	169.62	NA	0.00	168.54	NA	0.00	170.24	NA	0.00
MW-8	172.91	171.05	NA	0.00	169.21	NA	0.00	170.66	NA	0.00
MW-9	173.74	170.46	NA	0.00	169.42	NA	0.00	169.98	NA	0.00
MW-10	171.23	167.43	NA	0.00	166.29	NA	0.00	166.89	NA	0.00
MW-11	174.22	168.53	NA	0.00	167.53	NA	0.00	168.14	NA	0.00
MW-12	172.34	170.66	NA	0.00	168.61	NA	0.00	170.56	NA	0.00
MW-13	173.22	171.09	NA	***(64.50)***	168.92	NA	***(58.00)***	170.71	NA	***(57.75)***
MW-14	175.60	172.25	NA	0.00	169.90	NA	0.00	171.75	NA	0.00
MW-15	174.09	172.31	NA	***(2.00)***	170.12	NA	0.00	171.80	NA	0.00
MW-16	174.31	173.33	NA	0.00	170.87	NA	0.00	172.65	NA	0.00
MW-17	175.06	172.03	NA	0.00	170.15	NA	0.00	171.45	NA	0.00
MW-18	174.39	171.32	NA	0.00	169.75	NA	0.00	170.76	NA	0.00
MW-19	172.87	170.72	NA	0.00	169.57	NA	0.00	170.19	NA	0.00
MW-20	175.41	170.13	NA	***(8.00)***	168.61	NA	***(8.00)***	169.73	NA	***(7.50)***
MW-21	174.10	169.64	NA	0.00	168.58	NA	0.00	169.19	NA	0.00
MW-22	173.41	168.91	NA	***(7.00)***	167.66	NA	***(6.75)***	168.55	NA	***(6.75)***
MW-24	172.28	168.42	NA	***(27.00)***	167.25	NA	***(30.00)***	168.03	NA	***(29.75)***
MW-25	171.61	167.77	NA	0.00	166.59	NA	0.00	167.36	NA	0.00
MW-26	174.01	171.90	NA	0.00	169.91	NA	0.00	171.40	NA	0.00
MW-27	171.09	168.13	NA	**(0.25)**	167.03	NA	0.00	167.76	NA	0.00
MW-28	174.06	171.15	NA	***(9.50)***	169.90	NA	***(11.00)***	170.61	NA	***(8.00)***
MW-29	177.22	168.94	NA	0.00	167.61	NA	0.00	168.58	NA	0.00
MW-30	172.28	Under ice, snow and soil pile			167.75	NA	0.00	168.56	NA	0.00
MW-31	177.16	168.92	NA	***(1.5)***	167.67	NA	***(1.5)***	168.56	NA	***(1.25)***
RW-1	174.46	171.13	NA	***(4.00)***	169.57	NA	***(4.00)***	170.62	NA	***(3.50)***
RW-2	175.31	170.03	NA	***(35.00)***	168.52	NA	***(23.00)***	169.68	NA	***(9.50)***
RW-3	173.76	171.72	NA	0.00	169.60	NA	0.00	171.23	NA	0.00
RW-4	173.20	171.25	NA	***(88.00)***	169.13	NA	***(90.50)***	170.78	NA	***(65.00)***
RW-5	172.28	168.48	NA	***(8.00)***	167.26	NA	***(9.00)***	167.99	NA	***(17.00)***
RW-6	173.08	168.81	NA	***(22.00)***	167.54	NA	***(50.75)***	168.41	NA	***(51.00)***
RW-7	171.83	168.77	NA	0.00	167.58	NA	0.00	138.37	NA	0.00
PZ-1	170.89	172.27	172.25	0.00	No Free Water			172.56	172.28	0.00
PZ-2	166.33	168.96	168.91	0.00	167.77	167.70	0.00	168.74	168.71	0.00
PZ-3	167.34	169.94	169.88	0.00	Destroyed			Destroyed		
PZ-5	168.73	170.30	170.60	0.00	170.00	169.55	0.00	169.95	170.03	0.00
PZ-6	167.03	167.65	167.70	**(2.00)**	166.89	166.90	**(Trace)**	167.50	167.40	0.00
PZ-7	166.96	168.08	168.06	***(13.00)***	166.79	166.76	***(14.50)***	167.75	167.78	***(16.00)***

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		1/18/2012			4/3/2012			7/10/2012		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.67	NA	0.00	169.06	NA	0.00	168.48	NA	0.00
MW-2	175.24	170.80	NA	0.00	170.28	NA	0.00	169.78	NA	0.00
MW-3	174.41	171.04	NA	***(1.50)***	170.45	NA	***(2.00)***	170.14	NA	***(2.00)***
MW-4	175.15	169.96	NA	0.00	169.66	NA	0.00	169.15	NA	0.00
MW-5	175.43	168.79	NA	0.00	168.48	NA	0.00	168.11	NA	0.00
MW-6	175.51	168.98	NA	0.00	168.69	NA	0.00	168.38	NA	0.00
MW-7	173.80	169.25	NA	0.00	168.91	NA	0.00	168.58	NA	0.00
MW-8	172.91	170.56	NA	0.00	169.96	NA	0.00	169.32	NA	0.00
MW-9	173.74	170.00	NA	0.00	169.75	NA	0.00	169.45	NA	0.00
MW-10	171.23	167.04	NA	0.00	166.66	NA	0.00	166.35	NA	0.00
MW-11	174.22	168.17	NA	0.00	167.87	NA	0.00	167.52	NA	0.00
MW-12	172.34	169.96	NA	0.00	169.31	NA	0.00	168.72	NA	0.00
MW-13	173.22	170.68	NA	***(50.50)***	169.83	NA	***(47.00)***	169.15	NA	***(42.00)***
MW-14	175.60	171.60	NA	0.00	170.70	NA	0.00	169.97	NA	0.00
MW-15	174.09	171.67	NA	0.00	170.91	NA	0.00	170.22	NA	0.00
MW-16	174.31	172.65	NA	0.00	171.77	NA	0.00	170.92	NA	0.00
MW-17	175.06	171.40	NA	0.00	170.76	NA	0.00	170.21	NA	0.00
MW-18	174.39	170.75	NA	0.00	170.25	NA	0.00	169.81	NA	0.00
MW-19	172.87	170.22	NA	0.00	169.91	NA	0.00	169.62	NA	0.00
MW-20	175.41	169.50	NA	***(7.00)***	169.27	NA	***(7.00)***	168.66	NA	***(4.00)***
MW-21	174.10	169.16	NA	0.00	168.94	NA	0.00	168.63	NA	0.00
MW-22	173.41	169.43	NA	***(7.00)***	168.12	NA	***(7.00)***	167.95	NA	***(5.00)***
MW-24	172.28	167.95	NA	***(29.00)***	167.66	NA	***(30.00)***	167.33	NA	***(30.00)***
MW-25	171.61	167.37	NA	0.00	167.09	NA	0.00	166.72	NA	0.00
MW-26	174.01	171.31	NA	0.00	170.61	NA	0.00	169.97	NA	0.00
MW-27	171.09	167.78	NA	0.00	167.53	NA	0.00	167.23	NA	0.00
MW-28	174.06	170.38	NA	***(8.50)***	170.13	NA	***(10.00)***	169.54	NA	***(8.50)***
MW-29	177.22	168.94	NA	0.00	168.26	NA	0.00	168.08	NA	0.00
MW-30	172.28	168.56	NA	0.00	168.30	NA	0.00	167.98	NA	0.00
MW-31	177.16	168.59	NA	***(1.00)***	168.32	NA	***(1.50)***	168.07	NA	***(1.00)***
RW-1	174.46	170.56	NA	***(7.50)***	170.10	NA	***(10.00)***	169.52	NA	***(4.00)***
RW-2	175.31	169.40	NA	***(8.50)***	168.84	NA	***(11.00)***	169.46	NA	***(26.00)***
RW-3	173.76	171.06	NA	0.00	170.29	NA	0.00	169.62	NA	0.00
RW-4	173.20	170.53	NA	***(72.00)***	169.88	NA	***(26.00)***	168.97	NA	***(69.25)***
RW-5	172.28	168.12	NA	***(5.75)***	167.83	NA	***(8.00)***	167.50	NA	***(16.00)***
RW-6	173.08	168.43	NA	***(51.00)***	167.72	NA	***(15.00)***	167.82	NA	***(47.00)***
RW-7	171.83	168.24	NA	0.00	167.94	NA	0.00	167.9	NA	0.00
PZ-1	170.89	Frozen			171.71	No Free Water	0.00	171.77	No Free Water	0.00
PZ-2	166.33	168.75	168.71	0.00	168.51	168.46	0.00	168.26	168.21	0.00
PZ-5	168.73	170.10	170.05	0.00	170.13	169.75	0.00	169.58	169.56	0.00
PZ-6	167.03	167.72	Frozen	0.00	167.30	Dry	0.00	166.93	Dry	0.00
PZ-7	166.96	167.67	167.76	***(15.00)***	167.51	167.53	***16.00***	167.38	167.32	***(16.00)***

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		10/12/2012			1/9/2013			4/16/2013		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	168.89	NA	0.00	169.07	NA	0.00	169.51	NA	0.00
MW-2	175.24	170.22	NA	0.00	170.30	NA	0.00	170.76	NA	0.00
MW-3	174.41	170.39	NA	***(1.00)***	170.58	NA	***(1.00)***	171.20	NA	***(0.88)***
MW-4	175.15	169.46	NA	0.00	169.53	NA	0.00	169.91	NA	0.00
MW-5	175.43	168.27	NA	0.00	168.40	NA	0.00	168.69	NA	0.00
MW-6	175.51	168.53	NA	0.00	168.59	NA	0.00	168.89	NA	0.00
MW-7	173.80	168.74	NA	0.00	168.85	NA	0.00	169.17	NA	0.00
MW-8	172.91	169.83	NA	0.00	170.03	NA	0.00	170.46	NA	0.00
MW-9	173.74	169.59	NA	0.00	169.63	NA	0.00	169.89	NA	0.00
MW-10	171.23	166.53	NA	0.00	166.67	NA	0.00	166.93	NA	0.00
MW-11	174.22	167.62	NA	0.00	167.24	NA	0.00	168.14	NA	0.00
MW-12	172.34	169.24	NA	0.00	169.39	NA	0.00	169.83	NA	0.00
MW-13	173.22	169.79	NA	***(6.00)***	169.46	NA	***(10.50)***	170.42	NA	***(25.00)***
MW-14	175.60	170.77	NA	0.00	171.00	NA	0.00	171.49	NA	0.00
MW-15	174.09	170.92	NA	0.00	171.10	NA	0.00	171.61	NA	0.00
MW-16	174.31	171.79	NA	0.00	172.00	NA	0.00	172.60	NA	0.00
MW-17	175.06	170.75	NA	0.00	170.87	NA	0.00	171.35	NA	0.00
MW-18	174.39	170.20	NA	0.00	170.25	NA	0.00	170.66	NA	0.00
MW-19	172.87	169.79	NA	0.00	169.85	NA	0.00	170.09	NA	0.00
MW-20	175.41	169.06	NA	***(2.00)***	168.31	NA	***(1.50)***	169.58	NA	***(2.00)***
MW-21	174.10	168.78	NA	0.00	168.86	NA	0.00	169.15	NA	0.00
MW-22	173.41	168.08	NA	***(0.50)***	168.16	NA	***(2.50)***	168.33	NA	***(2.88)***
MW-24	172.28	167.45	NA	***(28.00)***	167.62	NA	***(30.00)***	167.93	NA	***(29.00)***
MW-25	171.61	166.90	NA	0.00	166.99	NA	0.00	167.29	NA	0.00
MW-26	174.01	170.60	NA	0.00	170.75	NA	0.00	171.25	NA	0.00
MW-27	171.09	167.35	NA	0.00	167.42	NA	0.00	167.72	NA	0.00
MW-28	174.06	166.99	NA	***(10.50)***	170.09	NA	***(9.12)***	170.33	NA	***(8.38)***
MW-29	177.22	168.80	NA	0.00	168.31	NA	0.00	168.56	NA	***(Trace)***
MW-30	172.28	168.13	NA	0.00	168.20	NA	0.00	168.48	NA	0.00
MW-31	177.16	168.17	NA	***(0.25)***	168.24	NA	***(0.12)***	168.48	NA	***(1.38)***
RW-1	174.46	170.05	NA	***(2.50)***	170.12	NA	***(2.75)***	170.48	NA	***(3.25)***
RW-2	175.31	169.05	NA	***(10.00)***	169.13	NA	***(18.00)***	169.52	NA	***(12.38)***
RW-3	173.76	170.32	NA	0.00	170.52	NA	0.00	170.99	NA	0.00
RW-4	173.20	169.97	NA	***(60.50)***	170.07	NA	***(9.50)***	170.53	NA	***(29.75)***
RW-5	172.28	167.92	NA	***(6.50)***	167.71	NA	***(12.50)***	168.06	NA	***(1.50)***
RW-6	173.08	168.05	NA	***(50.75)***	168.03	NA	***(51.88)***	168.83	NA	***(43.00)***
RW-7	171.83	168.01	NA	0.00	168.07	NA	0.00	168.35	NA	0.00
PZ-1	170.89	172.23	172.23	0.00	171.67	Frozen	0.00	172.18	172.18	0.00
PZ-2	166.33	168.41	168.39	0.00	Frozen	168.44	0.00	168.68	168.63	0.00
PZ-5	168.73	169.70	169.73	0.00	Frozen	169.71	0.00	169.95	169.95	0.00
PZ-6	167.03	167.17	Dry	0.00	Frozen			167.42	167.33	0.00
PZ-7	166.96	167.32	167.42	***(4.00)***	Frozen			167.57	167.65	***(2.00)***

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		7/9/2013			10/23/2013			1/15/2014		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.68	NA	0.00	168.93	NA	0.00	170.32	NA	0.00
MW-2	175.24	170.79	NA	0.00	170.07	NA	0.00	171.77	NA	0.00
MW-3	174.41	171.08	NA	***(T)***	170.37	NA	***(T)***	172.16	NA	0.00
MW-4	175.15	169.98	NA	0.00	169.46	NA	0.00	170.90	NA	0.00
MW-5	175.43	168.78	NA	0.00	168.30	NA	0.00	169.61	NA	0.00
MW-6	175.51	168.96	NA	0.00	168.51	NA	0.00	169.83	NA	0.00
MW-7	173.80	169.24	NA	0.00	168.76	NA	0.00	169.88	NA	0.00
MW-8	172.91	170.61	NA	0.00	169.76	NA	0.00	171.89	NA	0.00
MW-9	173.74	169.99	NA	0.00	169.60	NA	0.00	170.61	NA	0.00
MW-10	171.23	166.98	NA	0.00	166.62	NA	0.00	168.04	NA	0.00
MW-11	174.22	168.20	NA	0.00	167.86	NA	0.00	169.01	NA	0.00
MW-12	172.34	170.02	NA	0.00	169.24	NA	0.00	171.49	NA	0.00
MW-13	173.22	170.67	NA	***(0.88)***	169.11	NA	***(8.75)***	171.17	NA	***(14.25)***
MW-14	175.60	171.75	NA	0.00	170.42	NA	0.00	172.87	NA	0.00
MW-15	174.09	171.70	NA	0.00	170.58	NA	***(T)***	172.79	NA	0.00
MW-16	174.31	172.61	NA	0.00	171.40	NA	0.00	173.67	NA	0.00
MW-17	175.06	171.41	NA	0.00	170.55	NA	0.00	172.33	NA	0.00
MW-18	174.39	171.73	NA	0.00	170.08	NA	0.00	171.58	NA	0.00
MW-19	172.87	170.18	NA	0.00	169.77	NA	0.00	170.87	NA	0.00
MW-20	175.41	169.50	NA	***(T)***	169.08	NA	***(T)***	170.75	NA	***(T)***
MW-21	174.10	169.28	NA	0.00	168.76	NA	0.00	166.99	NA	0.00
MW-22	173.41	168.45	NA	***(1.50)***	168.04	NA	***(1.50)***	169.41	NA	***(1.50)***
MW-24	172.28	167.97	NA	***(29.25)***	167.49	NA	***(20.50)***	168.66	NA	***(17.50)***
MW-25	171.61	167.43	NA	0.00	166.90	NA	0.00	168.41	NA	0.00
MW-26	174.01	171.16	NA	0.00	170.37	NA	0.00	172.42	NA	0.00
MW-27	171.09	167.79	NA	0.00	167.39	NA	0.00	168.78	NA	0.00
MW-28	174.06	170.50	NA	***(8.38)***	169.59	NA	***(9.38)***	171.46	NA	***(8.50)***
MW-29	177.22	168.58	NA	0.00	168.82	NA	0.00	Need Repairs	NA	-
MW-30	172.28	168.52	NA	0.00	168.14	NA	0.00	169.56	NA	0.00
MW-31	177.16	168.57	NA	0.00	168.74	NA	0.00	170.01	NA	0.00
RW-1	174.46	170.68	NA	***(3.00)***	169.94	NA	***(3.38)***	171.54	NA	***(3.00)***
RW-2	175.31	169.67	NA	***(16.00)***	169.05	NA	***(15.50)***	170.71	NA	***(15.75)***
RW-3	173.76	171.16	NA	0.00	170.07	NA	0.00	172.39	NA	0.00
RW-4	173.20	170.73	NA	***(45.00)***	169.70	NA	***(38.00)***	172.34	NA	***(19.50)***
RW-5	172.28	168.15	NA	***(21.25)***	167.65	NA	***(12.25)***	169.07	NA	***(13.38)***
RW-6	173.08	168.43	NA	***(24.38)***	167.93	NA	***(39.38)***	169.33	NA	***(42.12)***
RW-7	171.83	168.33	NA	0.00	167.97	NA	0.00	169.32	NA	0.00
PZ-1	170.89	172.33	172.36	0.00	172.12	172.04	0.00	172.08	172.57	0.00
PZ-2	166.33	168.74	168.68	0.00	168.35	168.35	0.00	High Flows		
PZ-5	168.73	170.08	170.01	0.00	169.79	169.69	0.00	Under Water		
PZ-6	167.03	167.48	167.51	0.00	167.14	Dry	0.00	Under Water		
PZ-7	166.96	167.72	167.42	***(T)***	167.34	167.28	***(T)***	168.46	168.42	0.00

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		4/8/2014			7/10/2014			10/22/2014		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	170.39	NA	0.00	169.05	NA	0.00	168.76	NA	0.00
MW-2	175.24	171.66	NA	0.00	170.47	NA	0.00	170.08	NA	0.00
MW-3	174.41	172.24	NA	***(T)***	170.99	NA	***(0.88)***	170.58	NA	***(T)***
MW-4	175.15	170.70	NA	0.00	169.71	NA	0.00	169.39	NA	0.00
MW-5	175.43	169.45	NA	0.00	168.52	NA	0.00	168.20	NA	0.00
MW-6	175.51	169.70	NA	0.00	168.84	NA	0.00	168.44	NA	0.00
MW-7	173.80	169.95	NA	0.00	169.17	NA	0.00	168.73	NA	0.00
MW-8	172.91	171.64	NA	0.00	170.07	NA	0.00	169.68	NA	0.00
MW-9	173.74	170.64	NA	0.00	169.95	NA	0.00	169.60	NA	0.00
MW-10	171.23	168.00	NA	0.00	166.80	NA	0.00	166.62	NA	0.00
MW-11	174.22	168.83	NA	0.00	167.94	NA	0.00	167.71	NA	0.00
MW-12	172.34	167.76	NA	0.00	169.34	NA	0.00	169.01	NA	0.00
MW-13	173.22	171.88	NA	***(5.25)***	169.67	NA	***(1.50)***	169.04	NA	***(2.38)***
MW-14	175.60	172.92	NA	0.00	170.92	NA	0.00	170.40	NA	0.00
MW-15	174.09	172.78	NA	0.00	171.08	NA	0.00	170.54	NA	0.00
MW-16	174.31	173.83	NA	0.00	172.09	NA	0.00	171.49	NA	0.00
MW-17	175.06	172.28	NA	0.00	171.05	NA	0.00	170.55	NA	0.00
MW-18	174.39	171.50	NA	0.00	170.55	NA	0.00	107.05	NA	0.00
MW-19	172.87	170.92	NA	0.00	170.05	NA	0.00	169.57	NA	0.00
MW-20	175.41	170.33	NA	***(T)***	169.33	NA	***(T)***	168.91	NA	***(T)***
MW-21	174.10	169.95	NA	0.00	169.14	NA	0.00	168.71	NA	0.00
MW-22	173.41	169.08	NA	***(2.25)***	168.37	NA	***(T)***	168.12	NA	***(0.75)***
MW-24	172.28	168.66	NA	***(11.75)***	167.85	NA	***(9.38)***	168.49	NA	***(8.625)***
MW-25	171.61	168.27	NA	0.00	167.15	NA	0.00	166.84	NA	0.00
MW-26	174.01	172.34	NA	0.00	170.86	NA	0.00	170.34	NA	0.00
MW-27	171.09	168.61	NA	0.00	167.65	NA	0.00	167.31	NA	0.00
MW-28	174.06	171.25	NA	***(9.00)***	170.21	NA	***(7.50)***	169.88	NA	***(9.50)***
MW-29	177.22	Need Repairs	NA	-	168.25	NA	0.00	168.55	NA	0.00
MW-30	172.28	169.30	NA	0.00	168.47	NA	0.00	168.09	NA	0.00
MW-31	177.16	169.75	NA	0.00	168.45	NA	0.00	168.02	NA	0.00
RW-1	174.46	171.32	NA	***(1.00)***	170.35	NA	***(T)***	169.90	NA	***(1.88)***
RW-2	175.31	170.46	NA	***(18.00)***	169.22	NA	***(10.00)***	168.92	NA	***(13.25)***
RW-3	173.76	172.33	NA	0.00	170.40	NA	0.00	170.01	NA	0.00
RW-4	173.20	171.88	NA	***(41.25)***	169.98	NA	***(35.25)***	169.61	NA	***(22.00)***
RW-5	172.28	168.89	NA	***(17.00)***	167.92	NA	***(10.50)***	167.62	NA	***(16.62)***
RW-6	173.08	169.14	NA	***(39.75)***	168.29	NA	***(47.75)***	167.95	NA	***(41.25)***
RW-7	171.83	169.00	NA	0.00	168.24	NA	0.00	167.92	NA	0.00
PZ-1	170.89	172.32	172.35	0.00	172.32	172.37	0.00	172.26	172.30	0.00
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Blocked	170.71	0.00	Blocked	170.00	0.00	Blocked	169.71	0.00
PZ-6	167.03	168.47	168.47	0.00	167.66	167.61	0.00	167.47	Dry	0.00
PZ-7	166.96	168.46	168.51	0.00	167.63	167.59	0.00	167.22	167.30	0.00

TABLE 1
Water Level and DNAPL Thicknesses for Groundwater and Surface Water
Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date								
		1/14/2015			4/22/2015			7/14/2015		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.28	NA	0.00	170.18	NA	0.00	169.07	NA	0.00
MW-2	175.24	170.51	NA	0.00	171.36	NA	0.00	170.41	NA	0.00
MW-3	174.41	171.16	NA	0.00	171.99	NA	0.00	171.08	NA	***(T)***
MW-4	175.15	169.77	NA	0.00	170.47	NA	0.00	169.62	NA	0.00
MW-5	175.43	168.65	NA	0.00	169.18	NA	0.00	168.40	NA	0.00
MW-6	175.51	168.89	NA	0.00	169.35	NA	0.00	168.62	NA	0.00
MW-7	173.80	169.12	NA	0.00	169.60	NA	0.00	168.95	NA	0.00
MW-8	172.91	170.23	NA	0.00	171.19	NA	0.00	170.04	NA	0.00
MW-9	173.74	169.86	NA	0.00	170.30	NA	0.00	169.73	NA	0.00
MW-10	171.23	166.87	NA	0.00	167.65	NA	0.00	166.74	NA	0.00
MW-11	174.22	Under Snow & Ice Pile			168.66	NA	0.00	167.86	NA	0.00
MW-12	172.34	169.64	NA	0.00	168.20	NA	0.00	169.40	NA	0.00
MW-13	173.22	169.38	NA	***(10.50)***	171.00	NA	***(2.50)***	169.54	NA	***(1.00)***
MW-14	175.60	171.10	NA	0.00	172.33	NA	0.00	171.01	NA	0.00
MW-15	174.09	171.18	NA	0.00	172.30	NA	0.00	171.18	NA	0.00
MW-16	174.31	172.17	NA	0.00	173.45	NA	0.00	172.09	NA	0.00
MW-17	175.06	171.03	NA	0.00	171.95	NA	0.00	170.95	NA	0.00
MW-18	174.39	170.44	NA	0.00	171.21	NA	0.00	170.33	NA	0.00
MW-19	172.87	170.01	NA	0.00	170.54	NA	0.00	169.89	NA	0.00
MW-20	175.41	169.41	NA	***(0.25)***	170.16	NA	***(0.13)***	169.21	NA	***(T)***
MW-21	174.10	169.11	NA	0.00	169.90	NA	0.00	168.96	NA	0.00
MW-22	173.41	168.49	NA	***(1.00)***	168.88	NA	***(0.50)***	168.20	NA	***(1.00)***
MW-24	172.28	168.12	NA	***(11.50)***	167.83	NA	***(13.25)***	167.62	NA	***(4.50)***
MW-25	171.61	167.51	NA	0.00	167.82	NA	0.00	166.96	NA	0.00
MW-26	174.01	170.91	NA	0.00	171.90	NA	0.00	170.86	NA	0.00
MW-27	171.09	168.03	NA	0.00	168.15	NA	0.00	167.46	NA	0.00
MW-28	174.06	170.38	NA	***(9.25)***	171.02	NA	***(8.50)***	170.17	NA	***(8.00)***
MW-29	177.22	169.36	NA	0.00	168.85	NA	0.00	168.23	NA	0.00
MW-30	172.28	168.57	NA	0.00	169.01	NA	0.00	168.29	NA	0.00
MW-31	177.16	168.54	NA	0.00	168.94	NA	0.00	168.24	NA	0.00
RW-1	174.46	170.37	NA	***(1.50)***	171.17	NA	***(2.50)***	170.26	NA	***(T)***
RW-2	175.31	169.41	NA	***(29.25)***	170.19	NA	***(35.13)***	169.21	NA	***(18.00)***
RW-3	173.76	170.60	NA	0.00	171.86	NA	0.00	170.54	NA	0.00
RW-4	173.20	170.13	NA	***(48.00)***	171.38	NA	***(30.63)***	170.11	NA	***(33.00)***
RW-5	172.28	168.21	NA	***(11.75)***	168.91	NA	***(14.75)***	167.80	NA	***(12.00)***
RW-6	173.08	168.51	NA	***(30.00)***	168.86	NA	***(35.88)***	167.90	NA	***(48.00)***
RW-7	171.83	168.38	NA	0.00	168.77	NA	0.00	168.29	NA	0.00
PZ-1	170.89	Frozen			172.34	172.35	0.00	172.41	172.31	0.00
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Frozen			Blocked	170.65	0.00	Blocked	170.06	0.00
PZ-6	167.03	Frozen			167.78	168.05	0.00	167.57	Dry	0.00
PZ-7	166.96	Frozen			168.01	168.02	0.00	167.32	167.46	0.00

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 10/23/2015			Water Level and DNAPL Collection Date 1/7/2016			Water Level and DNAPL Collection Date 4/14/2016		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	168.55	NA	0.00	169.41	NA	0.00	169.72	NA	0.00
MW-2	175.24	169.91	NA	0.00	170.55	NA	0.00	170.96	NA	0.00
MW-3	174.41	170.58	NA	***(T)***	171.12	NA	***(T)***	171.66	NA	***(T)***
MW-4	175.15	169.25	NA	0.00	169.70	NA	0.00	170.08	NA	0.00
MW-5	175.43	168.10	NA	0.00	168.49	NA	0.00	168.83	NA	0.00
MW-6	175.51	168.39	NA	0.00	168.61	NA	0.00	169.05	NA	0.00
MW-7	173.80	168.70	NA	0.00	168.92	NA	0.00	169.33	NA	0.00
MW-8	172.91	169.42	NA	0.00	170.37	NA	0.00	170.70	NA	0.00
MW-9	173.74	169.51	NA	0.00	169.71	NA	0.00	170.01	NA	0.00
MW-10	171.23	166.54	NA	0.00	166.93	NA	0.00	167.17	NA	0.00
MW-11	174.22	167.64	NA	0.00	Under Snow & Ice Pile			168.26	NA	0.00
MW-12	172.34	168.78	NA	0.00	169.75	NA	0.00	170.08	NA	0.00
MW-13	173.22	169.27	NA	***(1.88)***	170.23	NA	***(3.50)***	170.05	NA	***(1.25)***
MW-14	175.60	170.04	NA	0.00	172.44	NA	0.00	171.83	NA	0.00
MW-15	174.09	170.12	NA	0.00	171.34	NA	0.00	171.74	NA	0.00
MW-16	174.31	171.21	NA	0.00	172.47	NA	0.00	172.91	NA	0.00
MW-17	175.06	167.32	NA	0.00	171.14	NA	0.00	171.58	NA	0.00
MW-18	174.39	169.87	NA	0.00	170.43	NA	0.00	170.85	NA	0.00
MW-19	172.87	169.65	NA	0.00	169.89	NA	0.00	170.20	NA	0.00
MW-20	175.41	168.81	NA	***(T)***	169.60	NA	***(T)***	169.66	NA	***(T)***
MW-21	174.10	168.63	NA	0.00	168.94	NA	0.00	169.22	NA	0.00
MW-22	173.41	167.74	NA	***(1.13)***	167.68	NA	***(3.50)***	168.41	NA	***(1.75)***
MW-24	172.28	167.33	NA	***(10.00)***	167.45	NA	***(8.00)***	168.08	NA	***(7.50)***
MW-25	171.61	166.74	NA	0.00	167.00	NA	0.00	167.44	NA	0.00
MW-26	174.01	170.07	NA	0.00	171.09	NA	0.00	171.46	NA	0.00
MW-27	171.09	167.23	NA	0.00	167.45	NA	0.00	167.84	NA	0.00
MW-28	174.06	169.83	NA	***(9.38)***	170.23	NA	***(8.50)***	170.63	NA	***(9.00)***
MW-29	177.22	168.01	NA	0.00	168.19	NA	0.00	168.58	NA	0.00
MW-30	172.28	168.04	NA	0.00	168.27	NA	0.00	168.67	NA	0.00
MW-31	177.16	168.03	NA	0.00	168.21	NA	0.00	168.65	NA	0.00
RW-1	174.46	169.76	NA	***(T)***	170.34	NA	***(1.00)***	170.69	NA	***(3.00)***
RW-2	175.31	169.42	NA	***(21.63)***	169.14	NA	***(35.00)***	169.71	NA	***(12.50)***
RW-3	173.76	169.73	NA	0.00	171.13	NA	0.00	171.24	NA	0.00
RW-4	173.20	169.28	NA	***(22.00)***	170.51	NA	***(47.38)***	170.72	NA	***(22.00)***
RW-5	172.28	167.56	NA	***(9.00)***	167.75	NA	***(6.50)***	168.17	NA	***(9.75)***
RW-6	173.08	167.88	NA	***(41.00)***	168.18	NA	***(42.00)***	168.47	NA	***(47.38)***
RW-7	171.83	167.90	NA	0.00	168.07	NA	0.00	1683.40	NA	0.00
PZ-1	170.89	172.21	No Free Water	0.00	Frozen			172.36	172.37	0.00
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Blocked	169.84	0.00	Frozen			Damaged		
PZ-6	167.03	167.49	Dry	0.00	Frozen			167.80	167.86	0.00
PZ-7	166.96	167.13	167.26	0.00	Frozen			167.72	167.79	***(T)***

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 7/14/2016			Water Level and DNAPL Collection Date 10/6/2016			Water Level and DNAPL Collection Date 1/11/2017		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	168.23	NA	0.00	168.35	NA	0.00	169.12	NA	0.00
MW-2	175.24	169.56	NA	0.00	169.67	NA	0.00	170.43	NA	0.00
MW-3	174.41	170.24	NA	***(T)***	170.24	NA	***(T)***	170.99	NA	***(T)***
MW-4	175.15	169.04	NA	0.00	169.11	NA	0.00	169.62	NA	0.00
MW-5	175.43	167.92	NA	0.00	167.94	NA	0.00	168.42	NA	0.00
MW-6	175.51	168.28	NA	0.00	168.32	NA	0.00	168.67	NA	0.00
MW-7	173.80	168.56	NA	0.00	168.58	NA	0.00	168.94	NA	0.00
MW-8	172.91	169.05	NA	0.00	169.15	NA	0.00	170.06	NA	0.00
MW-9	173.74	169.35	NA	0.00	169.39	NA	0.00	169.74	NA	0.00
MW-10	171.23	166.43	NA	0.00	166.43	NA	0.00	166.93	NA	0.00
MW-11	174.22	168.46	NA	0.00	167.40	NA	0.00	Under Snow & Ice Pile		
MW-12	172.34	168.49	NA	0.00	168.47	NA	0.00	169.42	NA	0.00
MW-13	173.22	168.79	NA	***(T)***	168.86	NA	***(0.50)***	169.79	NA	***(5.38)***
MW-14	175.60	169.66	NA	0.00	169.71	NA	0.00	171.06	NA	0.00
MW-15	174.09	169.76	NA	0.00	169.86	NA	0.00	171.04	NA	0.00
MW-16	174.31	170.79	NA	0.00	170.70	NA	0.00	172.28	NA	0.00
MW-17	175.06	169.97	NA	0.00	170.08	NA	0.00	171.00	NA	0.00
MW-18	174.39	169.59	NA	0.00	169.67	NA	0.00	170.38	NA	0.00
MW-19	172.87	169.46	NA	0.00	169.50	NA	0.00	169.90	NA	0.00
MW-20	175.41	168.54	NA	***(T)***	168.58	NA	***(T)***	169.51	NA	***(T)***
MW-21	174.10	Lock seized, no access			168.54	NA	0.00	168.95	NA	0.00
MW-22	173.41	167.74	NA	***(1.00)***	167.74	NA	***(T)***	168.08	NA	***(1.5)***
MW-24	172.28	166.99	NA	***(5.50)***	167.28	NA	***(4.50)***	167.74	NA	***(12.50)***
MW-25	171.61	166.57	NA	0.00	166.62	NA	0.00	167.01	NA	0.00
MW-26	174.01	169.67	NA	0.00	169.77	NA	0.00	170.80	NA	0.00
MW-27	171.09	167.10	NA	0.00	167.18	NA	0.00	167.51	NA	0.00
MW-28	174.06	169.38	NA	***(9.00)***	169.50	NA	***(9.38)***	170.11	NA	***(9.25)***
MW-29	177.22	167.86	NA	0.00	167.89	NA	0.00	168.13	NA	0.00
MW-30	172.28	167.89	NA	0.00	167.90	NA	0.00	168.28	NA	0.00
MW-31	177.16	167.90	NA	0.00	167.96	NA	0.00	168.23	NA	0.00
RW-1	174.46	169.52	NA	***(T)***	169.61	NA	***(0.88)***	170.29	NA	***(3.25)***
RW-2	175.31	168.42	NA	***(15.00)***	168.52	NA	***(5.00)***	169.20	NA	***(11.13)***
RW-3	173.76	169.42	NA	0.00	169.41	NA	0.00	170.54	NA	0.00
RW-4	173.20	168.95	NA	***(16.00)***	169.01	NA	***(20.50)***	170.09	NA	***(29.25)***
RW-5	172.28	167.44	NA	***(12.00)***	167.42	NA	***(1.00)***	167.80	NA	***(1.00)***
RW-6	173.08	167.83	NA	***(44.25)***	167.79	NA	***(34.50)***	168.09	NA	***(27.75)***
RW-7	171.83	167.74	NA	0.00	167.75	NA	0.00	168.02	NA	0.00
PZ-1	170.89	No Free Water			No Free Water			Frozen		
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Damaged			Damaged			Damaged		
PZ-6	167.03	167.20	Dry	0.00	167.18	Dry	0.00	Frozen		
PZ-7	166.96	167.07	Dry	0.00	167.03	Dry	0.00	Frozen		

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 4/12/2017			Water Level and DNAPL Collection Date 7/14/2017			Water Level and DNAPL Collection Date 10/13/2017		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.90	NA	0.00	168.79	NA	0.00	168.48	NA	0.00
MW-2	175.24	171.11	NA	0.00	170.07	NA	0.00	169.84	NA	0.00
MW-3	174.41	171.87	NA	***(T)***	170.74	NA	***(T)***	170.35	NA	***(T)***
MW-4	175.15	170.18	NA	0.00	169.40	NA	0.00	169.20	NA	0.00
MW-5	175.43	168.90	NA	0.00	168.23	NA	0.00	168.09	NA	0.00
MW-6	175.51	168.99	NA	0.00	168.54	NA	0.00	168.41	NA	0.00
MW-7	173.80	169.30	NA	0.00	168.80	NA	0.00	168.67	NA	0.00
MW-8	172.91	171.04	NA	0.00	169.63	NA	0.00	169.34	NA	0.00
MW-9	173.74	170.02	NA	0.00	169.63	NA	0.00	169.44	NA	0.00
MW-10	171.23	167.38	NA	0.00	166.80	NA	0.00	166.55	NA	0.00
MW-11	174.22	168.32	NA	0.00	167.77	NA	0.00	167.54	NA	0.00
MW-12	172.34	170.38	NA	0.00	169.01	NA	0.00	168.71	NA	0.00
MW-13	173.22	171.04	NA	***(7.25)***	169.54	NA	***(2.88)***	169.19	NA	***(4.25)***
MW-14	175.60	172.08	NA	0.00	170.40	NA	0.00	169.97	NA	0.00
MW-15	174.09	172.01	NA	0.00	170.48	NA	0.00	170.14	NA	0.00
MW-16	174.31	173.23	NA	0.00	171.57	NA	0.00	171.16	NA	0.00
MW-17	175.06	171.73	NA	0.00	170.54	NA	0.00	170.26	NA	0.00
MW-18	174.39	170.93	NA	0.00	170.06	NA	0.00	169.80	NA	0.00
MW-19	172.87	170.23	NA	0.00	169.74	NA	0.00	169.56	NA	0.00
MW-20	175.41	169.96	NA	0.00	168.96	NA	***(T)***	168.75	NA	***(T)***
MW-21	174.10	168.46	NA	0.00	168.79	NA	0.00	168.64	NA	0.00
MW-22	173.41	168.56	NA	***(1.00)***	167.99	NA	***(2.50)***	167.93	NA	***(T)***
MW-24	172.28	168.04	NA	***(14.25)***	167.58	NA	***(17.50)***	167.29	NA	***(19.00)***
MW-25	171.61	167.45	NA	0.00	166.88	NA	0.00	167.76	NA	0.00
MW-26	174.01	171.72	NA	0.00	170.33	NA	0.00	170.02	NA	0.00
MW-27	171.09	167.83	NA	0.00	167.38	NA	0.00	167.16	NA	0.00
MW-28	174.06	170.75	NA	***(8.75)***	169.86	NA	***(9.12)***	169.59	NA	***(9.38)***
MW-29	177.22	168.55	NA	0.00	168.13	NA	0.00	168.00	NA	0.00
MW-30	172.28	167.75	NA	0.00	168.15	NA	0.00	167.99	NA	0.00
MW-31	177.16	168.58	NA	0.00	168.18	NA	0.00	168.05	NA	0.00
RW-1	174.46	170.87	NA	0.00	169.97	NA	***(1.12)***	169.73	NA	***(1.00)***
RW-2	175.31	169.95	NA	***(12.62)***	168.84	NA	***(15.50)***	168.00	NA	***(17.75)***
RW-3	173.76	171.53	NA	0.00	170.02	NA	0.00	169.61	NA	0.00
RW-4	173.20	171.09	NA	***(25.50)***	169.59	NA	***(19.50)***	169.18	NA	***(10.38)***
RW-5	172.28	168.20	NA	***(1.25)***	167.67	NA	***(1.00)***	168.38	NA	***(1.00)***
RW-6	173.08	168.45	NA	***(43.13)***	168.01	NA	***(47.38)***	167.86	NA	***(32.88)***
RW-7	171.83	168.49	NA	0.00	168.09	NA	0.00	167.92	NA	0.00
PZ-1	170.89	172.21	172.20	0.00	172.15	172.19	0.00	172.10	172.18	0.00
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Damaged			Damaged			Damaged		
PZ-6	167.03	167.80	167.75	0.00	167.43	167.70	0.00	167.22	167.27	0.00
PZ-7	166.96	167.67	167.72	***(T)***	167.32	167.38	0.00	167.17	Dry	0.00

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 1/18/2018			Water Level and DNAPL Collection Date 4/13/2018			Water Level and DNAPL Collection Date 7/20/2018		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	170.13	NA	0.00	170.00	NA	0.00	168.88	NA	0.00
MW-2	175.24	171.30	NA	0.00	170.59	NA	0.00	169.82	NA	0.00
MW-3	174.41	171.64	NA	***(0.5)***	171.37	NA	0.00	170.45	NA	0.00
MW-4	175.15	170.34	NA	0.00	169.75	NA	0.00	169.52	NA	0.00
MW-5	175.43	169.02	NA	0.00	168.23	NA	0.00	168.19	NA	0.00
MW-6	175.51	169.15	NA	0.00	168.82	NA	0.00	168.32	NA	0.00
MW-7	173.80	169.51	NA	0.00	169.14	NA	0.00	168.64	NA	0.00
MW-8	172.91	171.21	NA	0.00	170.34	NA	0.00	169.75	NA	0.00
MW-9	173.74	170.21	NA	0.00	169.88	NA	0.00	169.59	NA	0.00
MW-10	171.23	168.60	NA	0.00	166.85	NA	0.00	166.66	NA	0.00
MW-11	174.22	Under snow and ice pile			168.00	NA	0.00	167.63	NA	0.00
MW-12	172.34	170.48	NA	0.00	169.48	NA	0.00	169.19	NA	0.00
MW-13	173.22	171.09	NA	***(7.00)***	170.38	NA	***(9.50)***	169.79	NA	***(1.00)***
MW-14	175.60	172.23	NA	0.00	171.13	NA	0.00	170.54	NA	0.00
MW-15	174.09	172.18	NA	0.00	171.46	NA	0.00	170.42	NA	0.00
MW-16	174.31	173.13	NA	0.00	172.43	NA	0.00	171.76	NA	0.00
MW-17	175.06	171.87	NA	0.00	171.03	NA	0.00	170.55	NA	0.00
MW-18	174.39	171.09	NA	0.00	170.53	NA	0.00	170.03	NA	0.00
MW-19	172.87	170.37	NA	0.00	169.90	NA	0.00	169.60	NA	0.00
MW-20	175.41	170.25	NA	***(T)***	169.46	NA	0.00	168.83	NA	0.00
MW-21	174.10	169.50	NA	0.00	168.84	NA	0.00	168.86	NA	0.00
MW-22	173.41	168.66	NA	***(0.25)***	168.41	NA	***(T)***	167.87	NA	***(T)***
MW-24	172.28	168.33	NA	***(21.50)***	167.95	NA	***(23.00)***	167.79	NA	***(13.00)***
MW-25	171.61	167.90	NA	0.00	167.23	NA	0.00	166.94	NA	0.00
MW-26	174.01	171.83	NA	0.00	171.02	NA	0.00	170.48	NA	0.00
MW-27	171.09	168.19	NA	0.00	167.55	NA	0.00	167.32	NA	0.00
MW-28	174.06	170.17	NA	***(11.50)***	170.38	NA	***(8.50)***	169.84	NA	***(7.50)***
MW-29	177.22	168.71	NA	0.00	168.22	NA	0.00	168.12	NA	0.00
MW-30	172.28	Unable to locate			168.44	NA	0.00	168.06	NA	0.00
MW-31	177.16	168.78	NA	0.00	168.33	NA	0.00	168.21	NA	0.00
RW-1	174.46	171.02	NA	***(T)***	170.52	NA	***(4.00)***	170.19	NA	***(5.00)***
RW-2	175.31	170.17	NA	***(38.50)***	169.46	NA	***(14.00)***	169.30	NA	***(T)***
RW-3	173.76	171.75	NA	0.00	170.92	NA	0.00	170.29	NA	0.00
RW-4	173.20	171.22	NA	***(11.50)***	170.43	NA	***(41.00)***	169.88	NA	***(17.00)***
RW-5	172.28	168.50	NA	***(6.00)***	167.92	NA	***(5.50)***	167.75	NA	***(T)***
RW-6	173.08	168.72	NA	***(31.50)***	168.39	NA	***(45.50)***	168.09	NA	***(34.00)***
RW-7	171.83	168.67	NA	0.00	168.37	NA	0.00	168.22	NA	0.00
PZ-1	170.89	Frozen			171.68	172.18	0.00	172.37	172.31	0.00
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Damaged			Damaged			Damaged		
PZ-6	167.03	Frozen			167.93	167.93	0.00	167.63	167.59	0.00
PZ-7	166.96	Frozen			167.26	167.30	0.00	167.19	167.22	0.00

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 10/19/2018			Water Level and DNAPL Collection Date 1/17/2019			Water Level and DNAPL Collection Date 4/19/2019		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.29	NA	0.00	169.08	NA	0.00	170.71	NA	0.00
MW-2	175.24	170.67	NA	0.00	170.63	NA	0.00	170.55	NA	0.00
MW-3	174.41	171.08	NA	0.00	171.16	NA	0.00	171.87	NA	0.00
MW-4	175.15	169.50	NA	0.00	169.83	NA	0.00	170.13	NA	0.00
MW-5	175.43	168.07	NA	0.00	168.40	NA	0.00	168.98	NA	0.00
MW-6	175.51	168.49	NA	0.00	168.37	NA	0.00	168.41	NA	0.00
MW-7	173.80	168.80	NA	0.00	168.97	NA	0.00	169.22	NA	0.00
MW-8	172.91	170.67	NA	0.00	170.42	NA	0.00	171.00	NA	0.00
MW-9	173.74	169.75	NA	0.00	169.79	NA	0.00	169.75	NA	0.00
MW-10	171.23	167.43	NA	0.00	167.35	NA	0.00	167.73	NA	0.00
MW-11	174.22	168.00	NA	0.00	167.92	NA	0.00	168.59	NA	0.00
MW-12	172.34	170.00	NA	0.00	169.77	NA	0.00	170.64	NA	0.00
MW-13	173.22	170.54	NA	***(5.00)***	170.21	NA	***(3.00)***	170.96	NA	***(7.00)***
MW-14	175.60	171.50	NA	0.00	171.04	NA	0.00	172.13	NA	0.00
MW-15	174.09	171.59	NA	0.00	172.46	NA	0.00	172.34	NA	0.00
MW-16	174.31	172.51	NA	0.00	172.26	NA	0.00	173.18	NA	0.00
MW-17	175.06	171.37	NA	0.00	170.95	NA	0.00	171.87	NA	0.00
MW-18	174.39	170.49	NA	0.00	170.41	NA	0.00	170.41	NA	0.00
MW-19	172.87	169.77	NA	0.00	169.98	NA	0.00	169.85	NA	0.00
MW-20	175.41	169.66	NA	0.00	169.16	NA	0.00	170.04	NA	0.00
MW-21	174.10	169.09	NA	0.00	168.67	NA	0.00	169.26	NA	0.00
MW-22	173.41	168.74	NA	***(T)***	168.37	NA	***(T)***	168.41	NA	***(T)***
MW-24	172.28	167.91	NA	***(13.00)***	167.66	NA	***(8.50)***	168.12[12]	NA	***(14.00)***
MW-25	171.61	167.15	NA	0.00	167.06	NA	0.00	167.27	NA	0.00
MW-26	174.01	171.00	NA	0.00	170.85	NA	0.00	171.77	NA	0.00
MW-27	171.09	167.63	NA	0.00	167.46	NA	0.00	167.80	NA	0.00
MW-28	174.06	170.38	NA	***(11.00)***	170.21	NA	***(9.00)***	170.63	NA	***(10.00)***
MW-29	177.22	168.20	NA	0.00	172.35[11]	NA	0.00	168.60	NA	0.00
MW-30	172.28	163.41[11]	NA	0.00	168.27	NA	0.00	168.73	NA	0.00
MW-31	177.16	168.17	NA	0.00	168.21	NA	0.00	168.67	NA	0.00
RW-1	174.46	170.69	NA	***(5.00)***	170.52	NA	***(8.00)***	171.10	NA	***(13.00)***
RW-2	175.31	169.67	NA	***(10.50)***	169.55	NA	***(4.50)***	170.21	NA	***(4.00)***
RW-3	173.76	171.12	NA	0.00	170.83	NA	0.00	171.96	NA	0.00
RW-4	173.20	170.72	NA	***(32.00)***	170.43	NA	***(38.00)***	171.51	NA	***(14.00)***
RW-5	172.28	168.21	NA	***(T)***	169.75	NA	0.00	168.33	NA	***(T)***
RW-6	173.08	168.51	NA	***(40.00)***	168.43	NA	***(35.00)***	168.76	NA	***(38.00)***
RW-7	171.83	168.51	NA	0.00	168.26	NA	0.00	168.63	NA	0.00
PZ-1	170.89	172.10	172.18	0.00	Frozen			172.31	172.27	0.00
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Damaged			Damaged			Damaged		
PZ-6	167.03	167.95	167.95	0.00	167.68	167.68	0.00	168.22	168.22	0.00
PZ-7	166.96	167.67	167.65	0.00	Frozen			167.88	167.92	0.00

[11] - Groundwater elevation is suspected to be in error

[12] - Initial groundwater elevation of 171.49 is in error; used the mean of weekly measuements from 4/12/2019 and 4/26/2019

TABLE 1

Water Level and DNAPL Thicknesses for Groundwater and Surface Water

Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 7/26/2019			Water Level and DNAPL Collection Date 10/23/2019			Water Level and DNAPL Collection Date 1/17/2020		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	168.71	NA	0.00	168.54	NA	0.00	169.29	NA	0.00
MW-2	175.24	169.76	NA	0.00	170.51	NA	0.00	170.80	NA	0.00
MW-3	174.41	170.66	NA	0.00	170.49	NA	0.00	171.66	NA	0.00
MW-4	175.15	169.13	NA	0.00	169.25	NA	0.00	169.92	NA	0.00
MW-5	175.43	167.73	NA	0.00	167.94	NA	0.00	168.36	NA	0.00
MW-6	175.51	167.20	NA	0.00	167.41	NA	0.00	168.49	NA	0.00
MW-7	173.80	168.51	NA	0.00	168.68	NA	0.00	169.09	NA	0.00
MW-8	172.91	169.29	NA	0.00	169.46	NA	0.00	170.50	NA	0.00
MW-9	173.74	169.29	NA	0.00	169.63	NA	0.00	169.88	NA	0.00
MW-10	171.23	166.52	NA	0.00	166.81	NA	0.00	166.85	NA	0.00
MW-11	174.22	167.67	NA	0.00	167.71	NA	0.00	168.09	NA	0.00
MW-12	172.34	168.69	NA	0.00	168.81	NA	0.00	169.69	NA	0.00
MW-13	173.22	169.29	NA	***(2.00)***	169.42	NA	***(1.00)***	170.46	NA	***(T)***
MW-14	175.60	170.04	NA	0.00	169.79	NA	0.00	171.67	NA	0.00
MW-15	174.09	170.21	NA	0.00	170.13	NA	0.00	171.42	NA	0.00
MW-16	174.31	171.26	NA	0.00	171.51	NA	0.00	172.97	NA	0.00
MW-17	175.06	170.24	NA	0.00	170.49	NA	0.00	171.41	NA	0.00
MW-18	174.39	169.58	NA	0.00	169.83	NA	0.00	170.66	NA	0.00
MW-19	172.87	169.19	NA	0.00	169.69	NA	0.00	169.94	NA	0.00
MW-20	175.41	168.46	NA	0.00	168.71	NA	0.00	169.50	NA	0.00
MW-21	174.10	167.26	NA	0.00	167.55	NA	0.00	168.34	NA	0.00
MW-22	173.41	167.74	NA	***(T)***	167.08	NA	***(T)***	168.12	NA	***(T)***
MW-24	172.28	167.41	NA	***(6.00)***	167.08	NA	***(9.00)***	167.99	NA	***(4.00)***
MW-25	171.61	166.27	NA	0.00	166.48	NA	0.00	166.94	NA	0.00
MW-26	174.01	170.02	NA	0.00	170.06	NA	0.00	170.35	NA	0.00
MW-27	171.09	167.09	NA	0.00	167.34	NA	0.00	167.46	NA	0.00
MW-28	174.06	169.54	NA	***(11.00)***	169.84	NA	***(8.50)***	170.54	NA	***(4.50)***
MW-29	177.22	167.81	NA	0.00	167.93	NA	0.00	168.10	NA	0.00
MW-30	172.28	167.60	NA	0.00	167.64	NA	0.00	167.81	NA	0.00
MW-31	177.16	167.96	NA	0.00	168.00	NA	0.00	168.04	NA	0.00
RW-1	174.46	169.94	NA	***(T)***	170.06	NA	***(2.00)***	170.56	NA	***(T)***
RW-2	175.31	168.71	NA	***(3.00)***	167.05	NA	***(5.00)***	169.55	NA	***(3.50)***
RW-3	173.76	170.00	NA	***(T)***	170.42	NA	***(T)***	170.71	NA	0.00
RW-4	173.20	169.47	NA	***(7.00)***	169.51	NA	***(8.00)***	170.76	NA	***17.00***
RW-5	172.28	167.58	NA	0.00	167.46	NA	***(T)***	168.00	NA	0.00
RW-6	173.08	167.97	NA	***(12.00)***	168.09	NA	***(45.50)***	168.30	NA	***(22.00)***
RW-7	171.83	167.92	NA	0.00	167.72	NA	0.00	168.30	NA	0.00
PZ-1	170.89	172.31	172.22	0.00	172.39	172.35	0.00	Frozen		
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Damaged			Damaged			Damaged		
PZ-6	167.03	167.63	Dry	0.00	167.80	Dry	0.00	166.13	166.13	0.00
PZ-7	166.96	167.22	167.22	0.00	167.67	167.63	0.00	Frozen		

TABLE 1
Water Level and DNAPL Thicknesses for Groundwater and Surface Water
Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 4/10/2020			Water Level and DNAPL Collection Date 7/17/2020			Water Level and DNAPL Collection Date 11/5/2020		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	170.38	NA	0.00	168.08	NA	0.00	168.79	NA	0.00
MW-2	175.24	170.76	NA	0.00	169.59	NA	0.00	170.01	NA	0.00
MW-3	174.41	171.95	NA	0.00	170.37	NA	0.00	170.74	NA	0.00
MW-4	175.15	169.92	NA	0.00	168.92	NA	0.00	169.42	NA	0.00
MW-5	175.43	168.57	NA	0.00	167.82	NA	0.00	167.86	NA	0.00
MW-6	175.51	168.95	NA	0.00	167.16	NA	0.00	168.20	NA	0.00
MW-7	173.80	169.47	NA	0.00	168.32	NA	0.00	168.72	NA	0.00
MW-8	172.91	170.38	NA	0.00	169.00	NA	0.00	169.84	NA	0.00
MW-9	173.74	169.79	NA	0.00	169.29	NA	0.00	169.42	NA	0.00
MW-10	171.23	167.56	NA	0.00	166.31	NA	0.00	166.77	NA	0.00
MW-11	174.22	168.13	NA	0.00	167.21	NA	0.00	167.75	NA	0.00
MW-12	172.34	170.06	NA	0.00	168.23	NA	0.00	169.19	NA	0.00
MW-13	173.22	170.67	NA	***(1.50)***	168.67	NA	***(3.50)***	169.84	NA	***(5.50)***
MW-14	175.60	171.96	NA	0.00	169.58	NA	0.00	170.71	NA	0.00
MW-15	174.09	171.75	NA	0.00	169.63	NA	0.00	170.75	NA	0.00
MW-16	174.31	172.97	NA	0.00	170.76	NA	0.00	171.97	NA	0.00
MW-17	175.06	171.66	NA	0.00	169.99	NA	0.00	170.66	NA	0.00
MW-18	174.39	170.83	NA	0.00	169.53	NA	0.00	170.03	NA	0.00
MW-19	172.87	170.19	NA	0.00	169.19	NA	0.00	169.44	NA	0.00
MW-20	175.41	169.58	NA	0.00	168.50	NA	0.00	168.96	NA	0.00
MW-21	174.10	168.92	NA	0.00	166.97	NA	0.00	168.59	NA	0.00
MW-22	173.41	168.58	NA	***(T)***	167.74	NA	***(T)***	168.08	NA	***(T)***
MW-24	172.28	168.24	NA	***(4.00)***	167.24	NA	***(9.00)***	167.58	NA	***(8.50)***
MW-25	171.61	166.27	NA	0.00	166.48	NA	0.00	166.44	NA	0.00
MW-26	174.01	171.48	NA	0.00	169.60	NA	0.00	170.40	NA	0.00
MW-27	171.09	167.67	NA	0.00	167.26	NA	0.00	167.30	NA	0.00
MW-28	174.06	170.17	NA	***(2.50)***	169.38	NA	***(5.00)***	169.88	NA	***(11.50)***
MW-29	177.22	168.51	NA	0.00	167.64	NA	0.00	168.03	NA	0.00
MW-30	172.28	168.69	NA	0.00	167.56	NA	0.00	167.98	NA	0.00
MW-31	177.16	168.67	NA	0.00	167.79	NA	0.00	168.07	NA	0.00
RW-1	174.46	170.94	NA	***(1.00)***	169.60	NA	***(1.50)***	170.19	NA	***(10.00)***
RW-2	175.31	169.84	NA	***(4.50)***	168.46	NA	***(5.50)***	169.05	NA	***(10.50)***
RW-3	173.76	171.46	NA	0.00	169.79	NA	0.00	NM	NA	0.00
RW-4	173.20	170.97	NA	***(15.00)***	168.97	NA	***(23.00)***	169.97	NA	***(14.00)***
RW-5	172.28	168.13	NA	0.00	167.42	NA	0.00	167.83	NA	***(T)***
RW-6	173.08	168.64	NA	***(43.00)***	167.89	NA	***(31.00)***	168.01	NA	***(35.00)***
RW-7	171.83	168.59	NA	0.00	167.84	NA	0.00	167.97	NA	0.00
PZ-1	170.89	172.47	172.43	0.00	171.93	172.22	0.00	172.22	172.18	0.00
PZ-2	166.33	Damaged			Damaged			Damaged		
PZ-5	168.73	Damaged			Damaged			Damaged		
PZ-6	167.03	168.22	168.22	0.00	167.80	167.80	0.00	167.72	167.72	0.00
PZ-7	166.96	167.84	167.84	0.00	167.30	167.30	0.00	167.34	167.34	0.00

TABLE 1

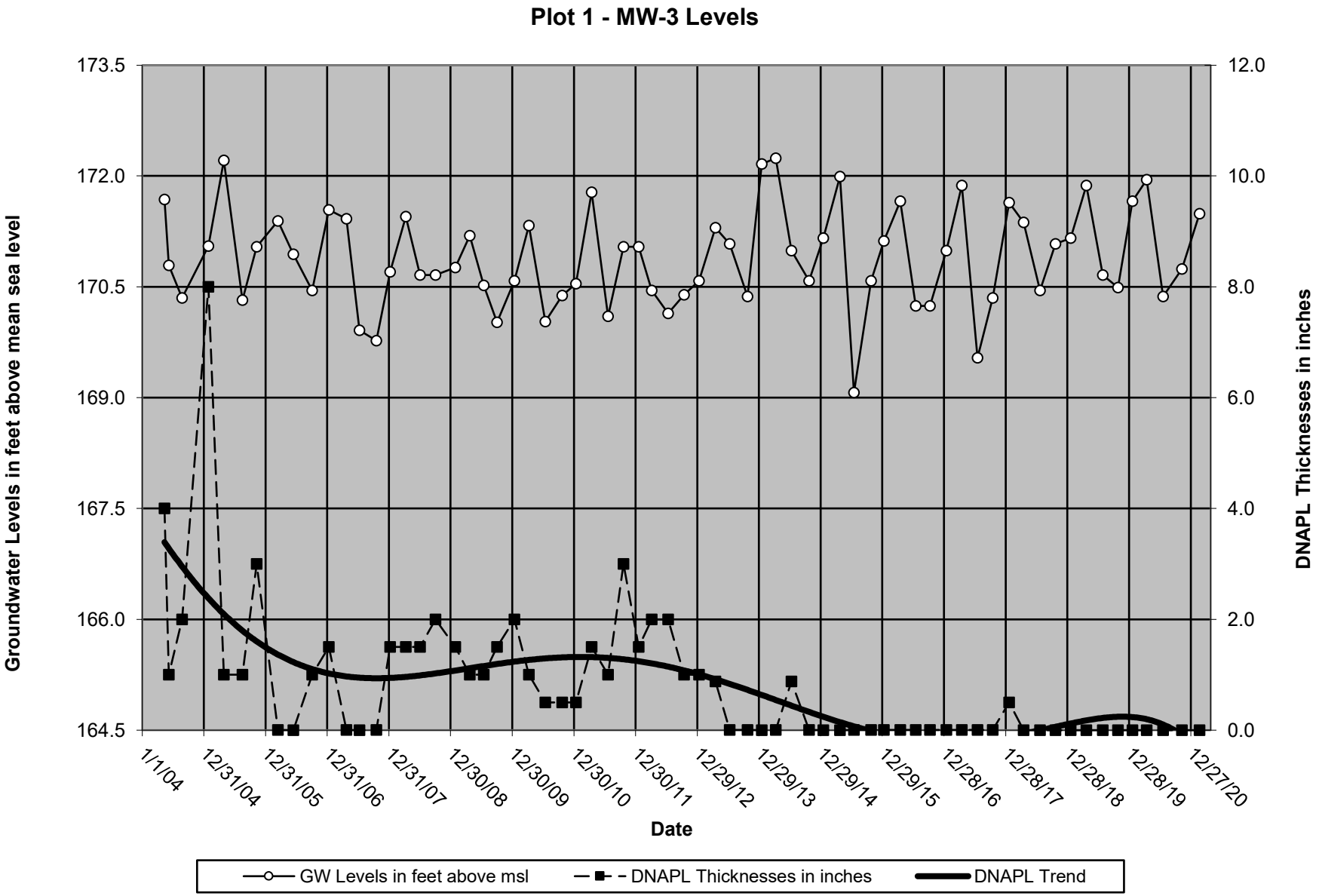
Water Level and DNAPL Thicknesses for Groundwater and Surface Water

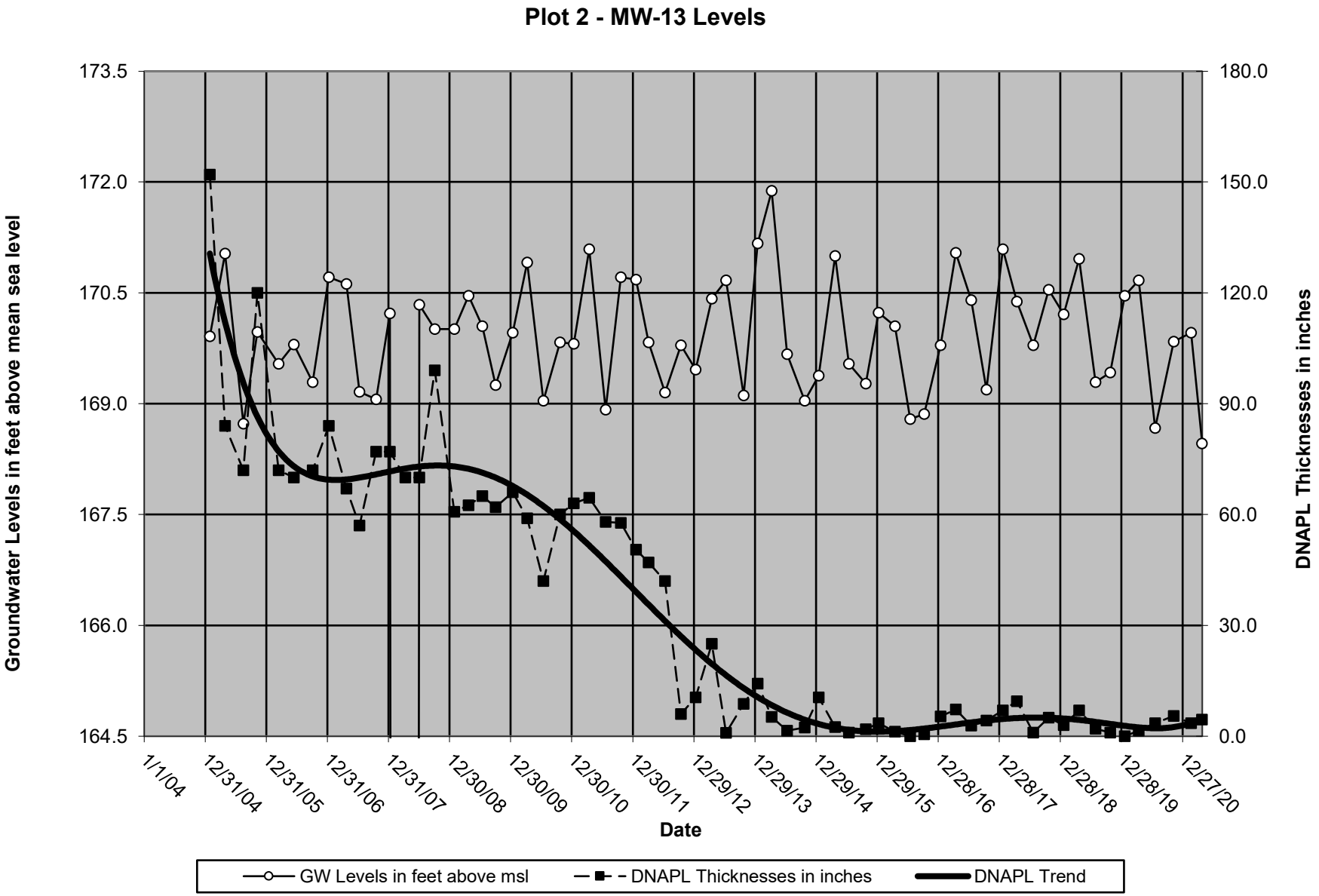
Former Amherst MGP, Pelham Road, Amherst, MA

Exploration Information		Water Level and DNAPL Collection Date 2/17/2021			Water Level and DNAPL Collection Date 4/23/2021		
Exploration Location ID	Surface Elevation in feet above msl[1]	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches	GW Elevation in feet above msl	Surface Water Elevation in feet above msl	DNAPL Thickness in inches
MW-1	174.11	169.17	NA	0.00	169.29	NA	0.00
MW-2	175.24	170.76	NA	0.00	170.59	NA	0.00
MW-3	174.41	171.49	NA	0.00	Could not access - yellowjackets		
MW-4	175.15	169.88	NA	0.00	169.75	NA	0.00
MW-5	175.43	168.57	NA	0.00	168.40	NA	0.00
MW-6	175.51	168.82	NA	0.00	168.70	NA	0.00
MW-7	173.80	169.34	NA	0.00	169.01	NA	0.00
MW-8	172.91	170.21	NA	0.00	170.13	NA	0.00
MW-9	173.74	170.00	NA	0.00	169.92	NA	0.00
MW-10	171.23	167.23	NA	0.00	167.06	NA	0.00
MW-11	174.22	166.54	NA	0.00	167.63	NA	0.00
MW-12	172.34	169.31	NA	0.00	169.48	NA	0.00
MW-13	173.22	169.96	NA	***(3.50)***	168.46	NA	***(4.50)***
MW-14	175.60	171.04	NA	0.00	171.17	NA	0.00
MW-15	174.09	170.96	NA	0.00	170.88	NA	0.00
MW-16	174.31	172.43	NA	0.00	172.55	NA	0.00
MW-17	175.06	171.33	NA	0.00	171.16	NA	0.00
MW-18	174.39	170.70	NA	0.00	170.45	NA	0.00
MW-19	172.87	170.31	NA	0.00	169.90	NA	0.00
MW-20	175.41	169.50	NA	0.00	169.33	NA	0.00
MW-21	174.10	168.17	NA	0.00	167.97	NA	0.00
MW-22	173.41	168.54	NA	***(T)***	168.24	NA	***(T)***
MW-24	172.28	168.16	NA	***(9.00)***	167.87	NA	***(8.50)***
MW-25	171.61	167.31	NA	0.00	166.77	NA	0.00
MW-26	174.01	170.94	NA	0.00	171.02	NA	0.00
MW-27	171.09	167.84	NA	0.00	167.05	NA	0.00
MW-28	174.06	170.54	NA	***(7.50)***	170.42	NA	***(4.50)***
MW-29	177.22	168.06	NA	0.00	168.43	NA	0.00
MW-30	172.28	168.64	NA	0.00	167.77	NA	0.00
MW-31	177.16	168.07	NA	0.00	168.07	NA	0.00
RW-1	174.46	171.60	NA	***(3.00)***	170.56	NA	***(5.50)***
RW-2	175.31	169.55	NA	***(8.50)***	169.30	NA	***(5.00)***
RW-3	173.76	170.42	NA	0.00	170.67	NA	0.00
RW-4	173.20	170.13	NA	***(16.00)***	170.18	NA	***(16.50)***
RW-5	172.28	167.88	NA	0.00	168.04	NA	0.00
RW-6	173.08	168.09	NA	***(33.50)***	168.39	NA	***(29.00)***
RW-7	171.83	168.13	NA	0.00	168.26	NA	0.00
PZ-1	170.89	172.35	172.56	0.00	172.22	172.27	0.00
PZ-2	166.33	Damaged			Damaged		
PZ-5	168.73	Damaged			Damaged		
PZ-6	167.03	Under Ice			167.93	168.01	0.00
PZ-7	166.96	167.59	167.63	0.00	167.55	167.67	0.00

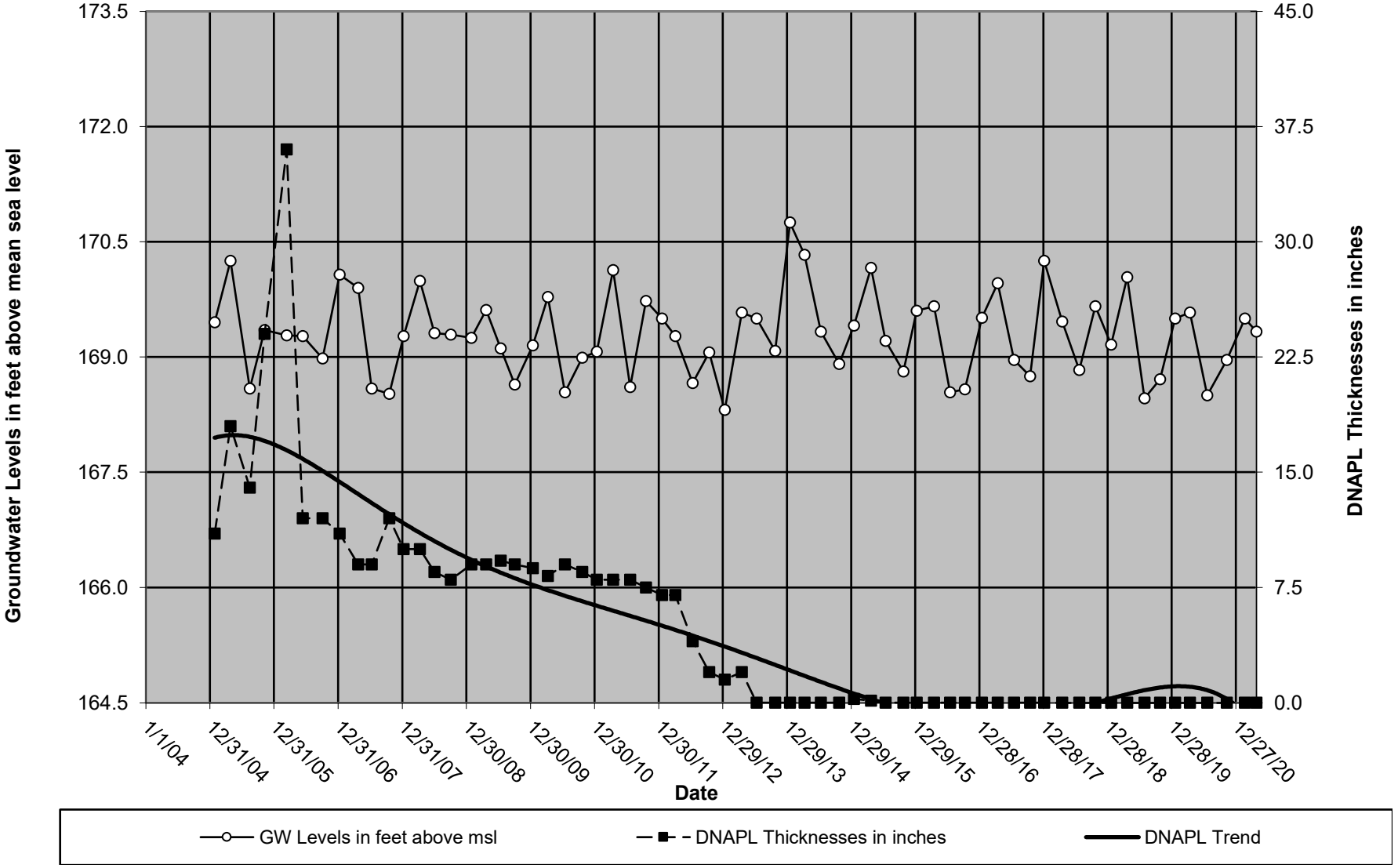
Tighe&Bond

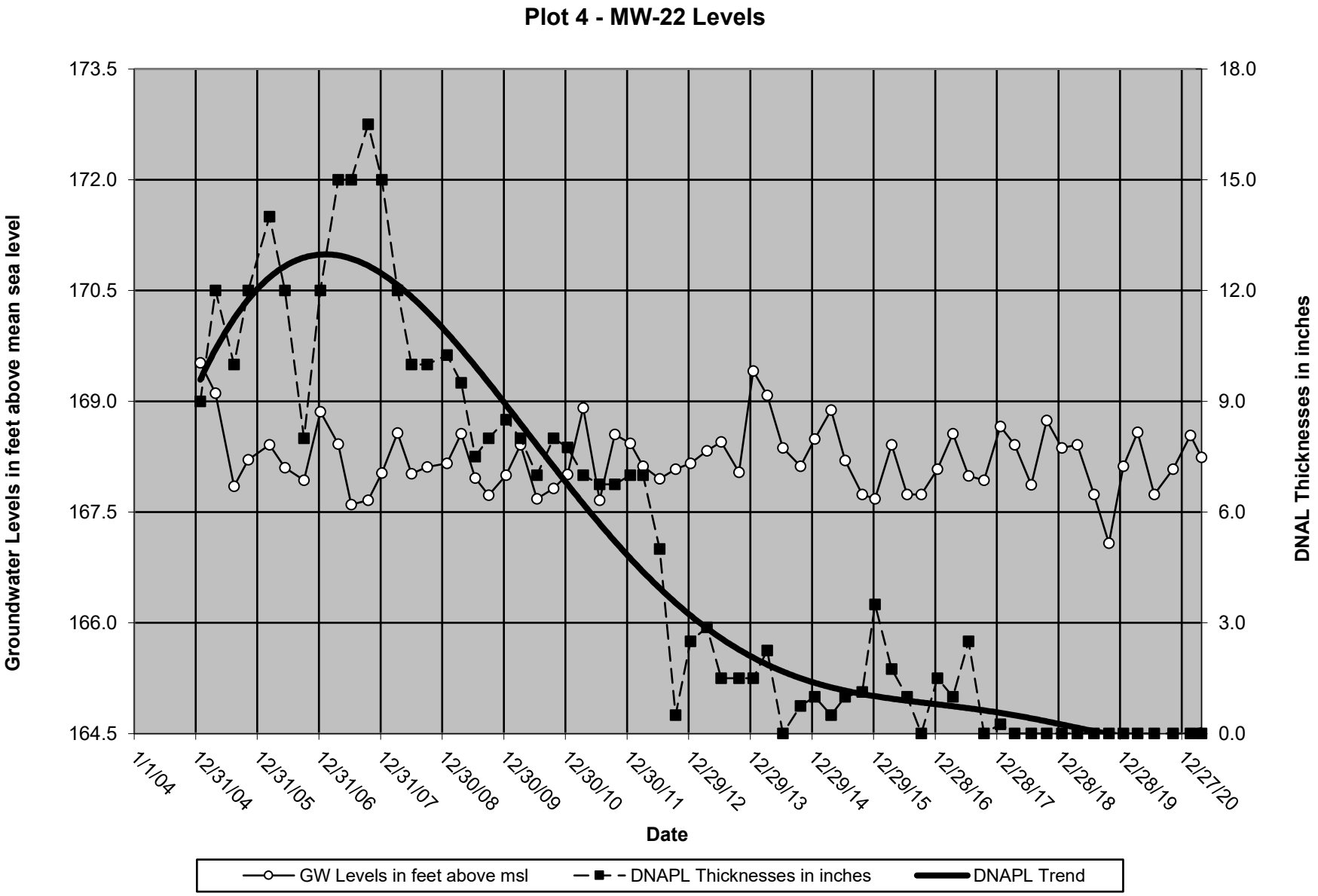
APPENDIX E

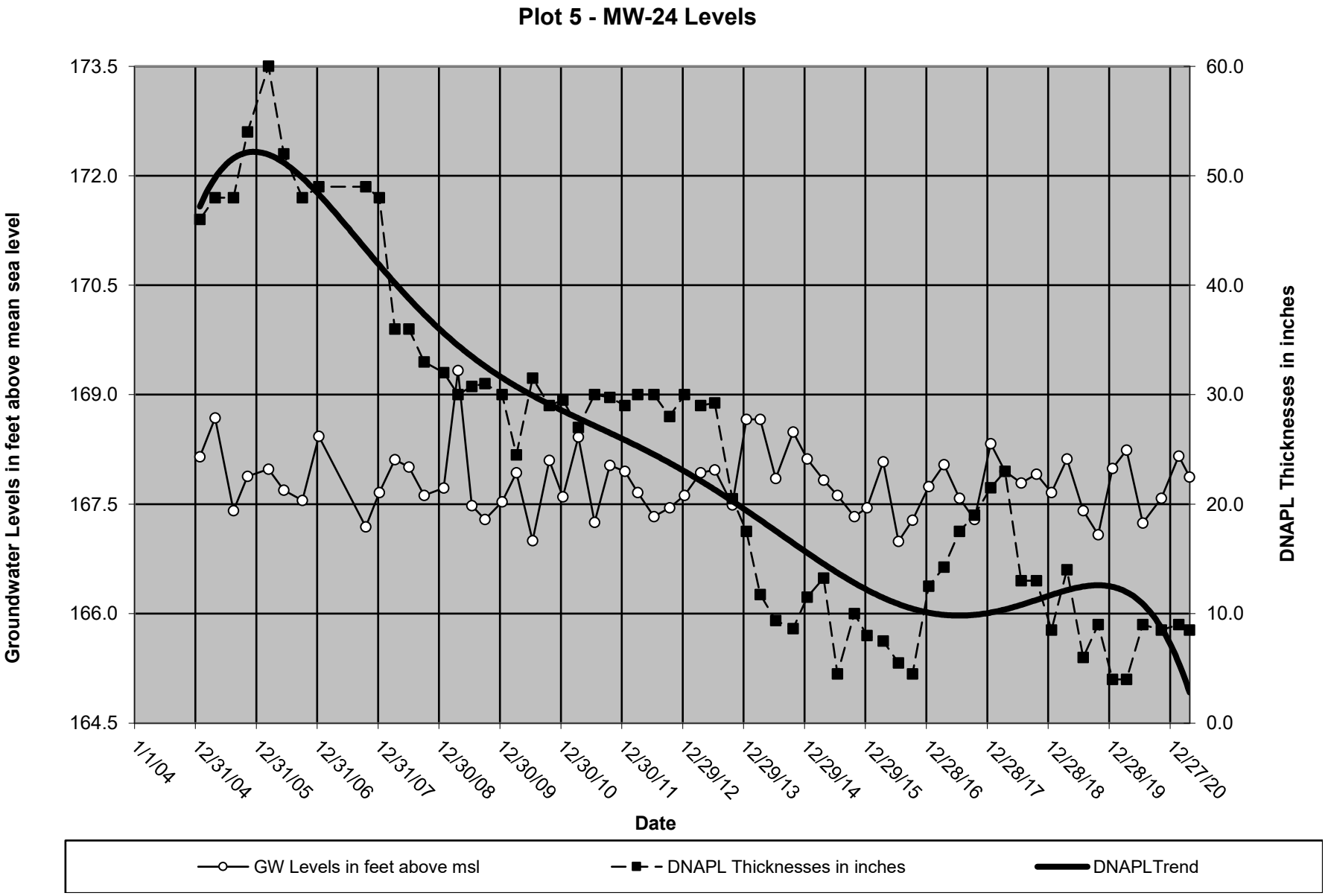

Plot 1 - MW-3 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend

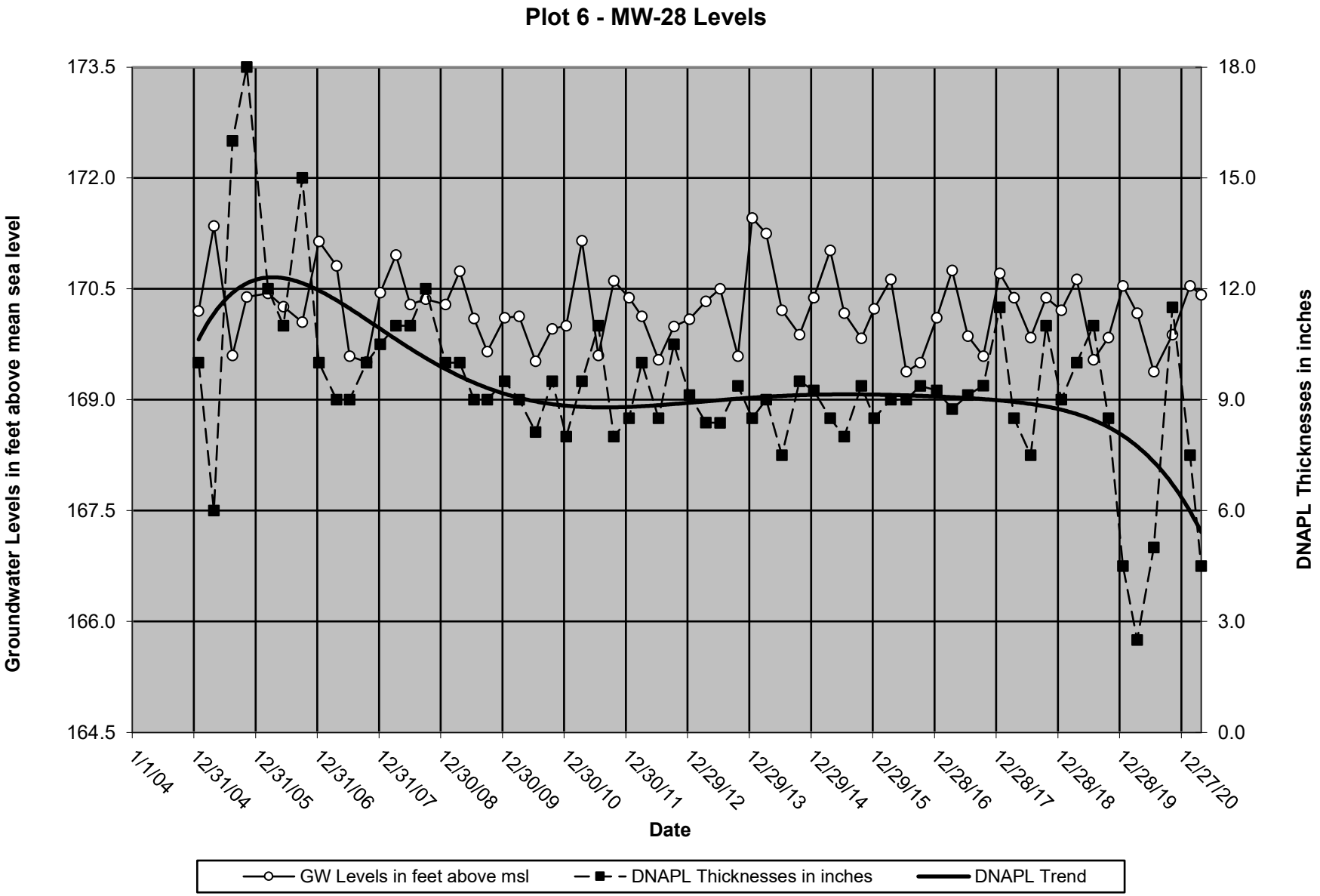

Plot 2 - MW-13 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
180.0
150.0
120.0
90.0
60.0
30.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend

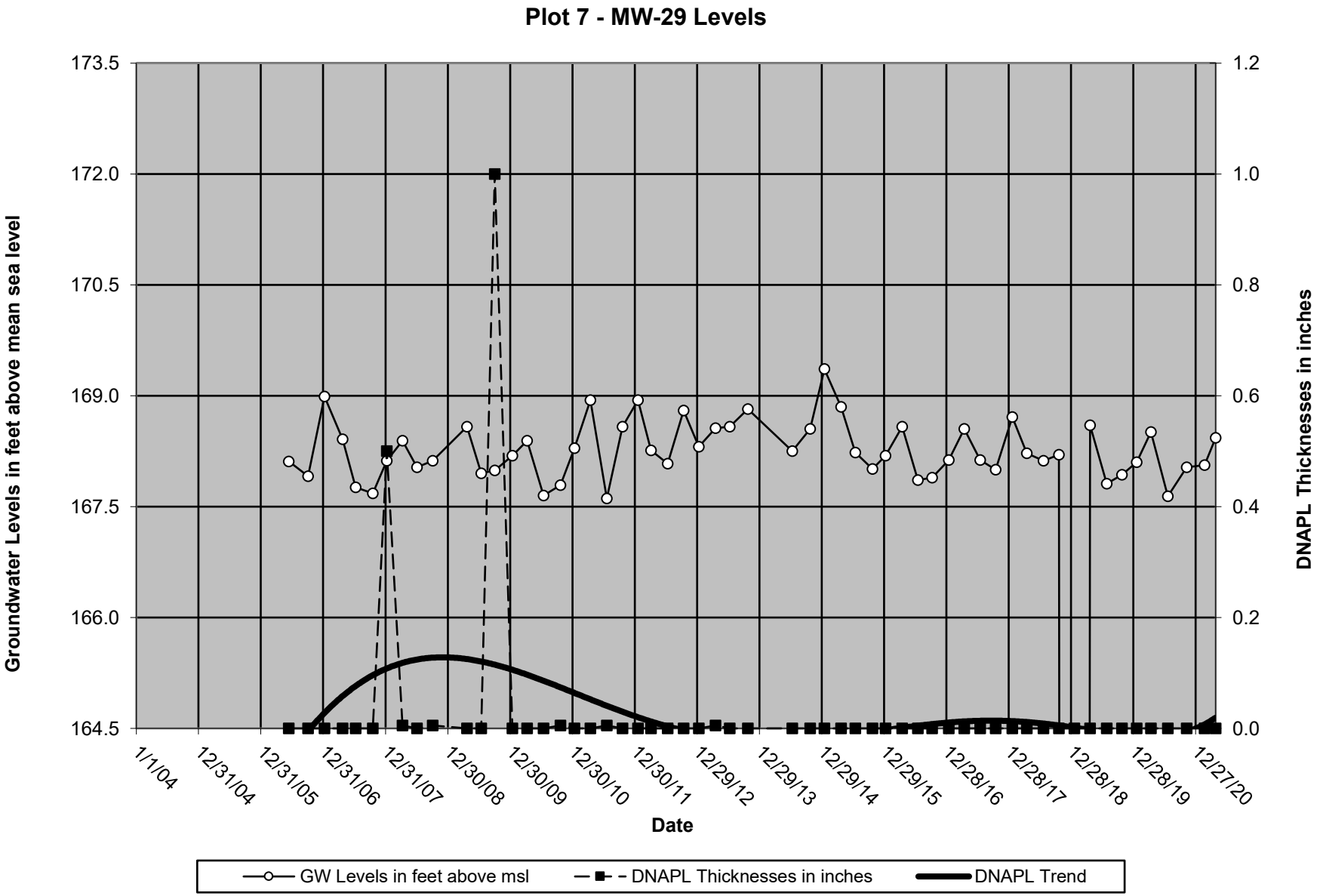
Plot 3 - MW-20 Levels

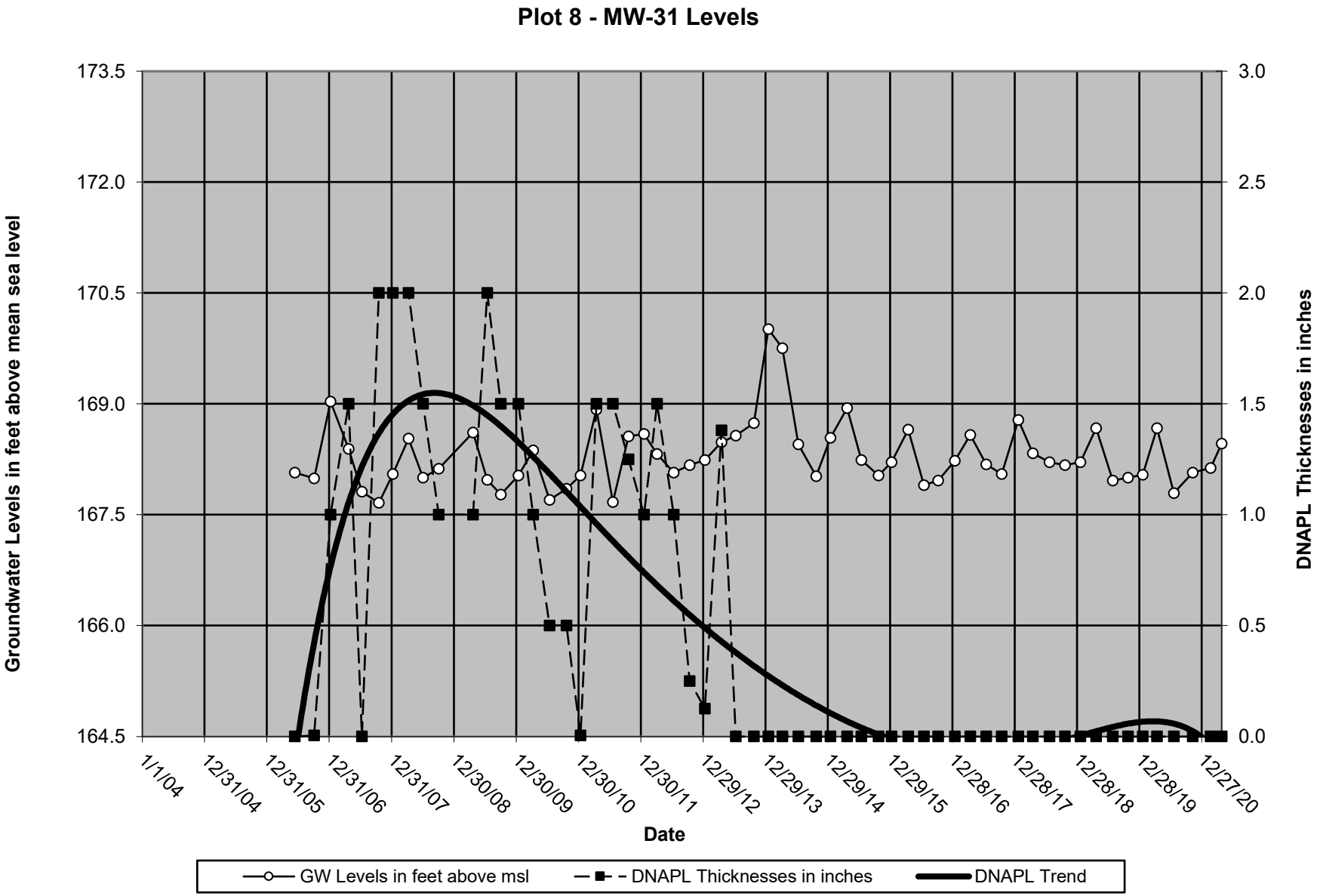


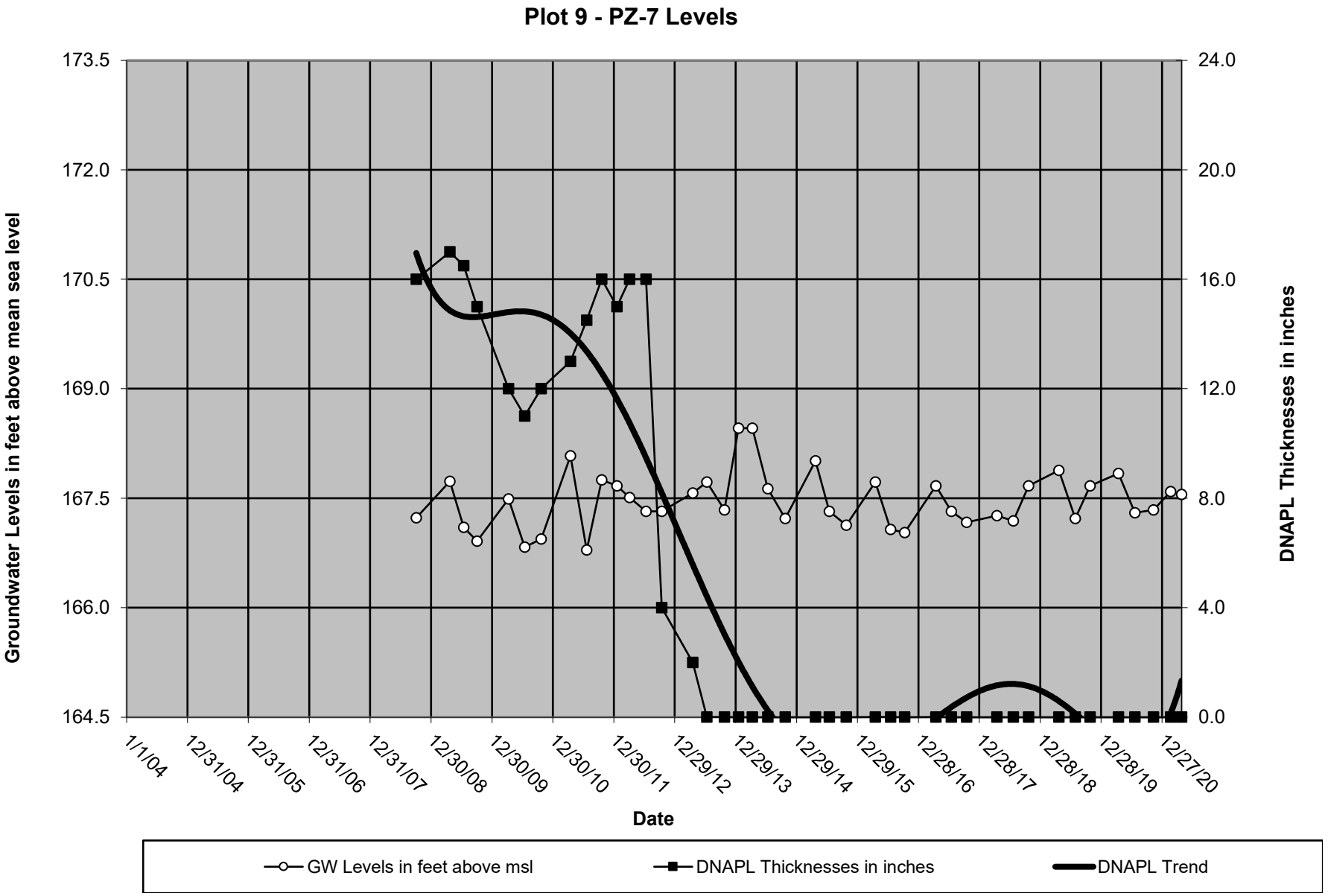

Plot 4 - MW-22 Levels
Groundwater Levels in feet above mean sea level
DNAL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
18.0
15.0
12.0
9.0
6.0
3.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend

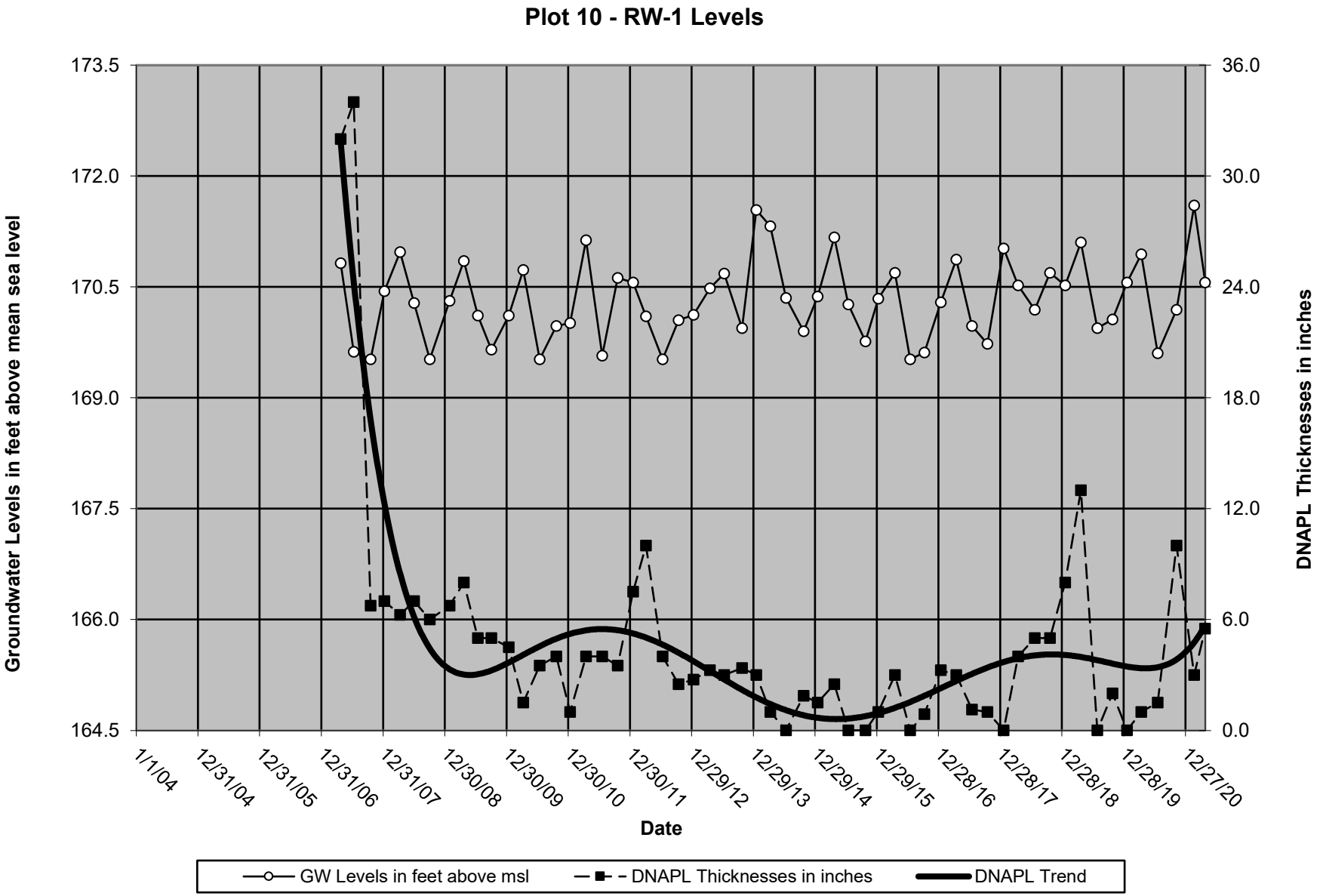

Plot 5 - MW-24 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPLTrend

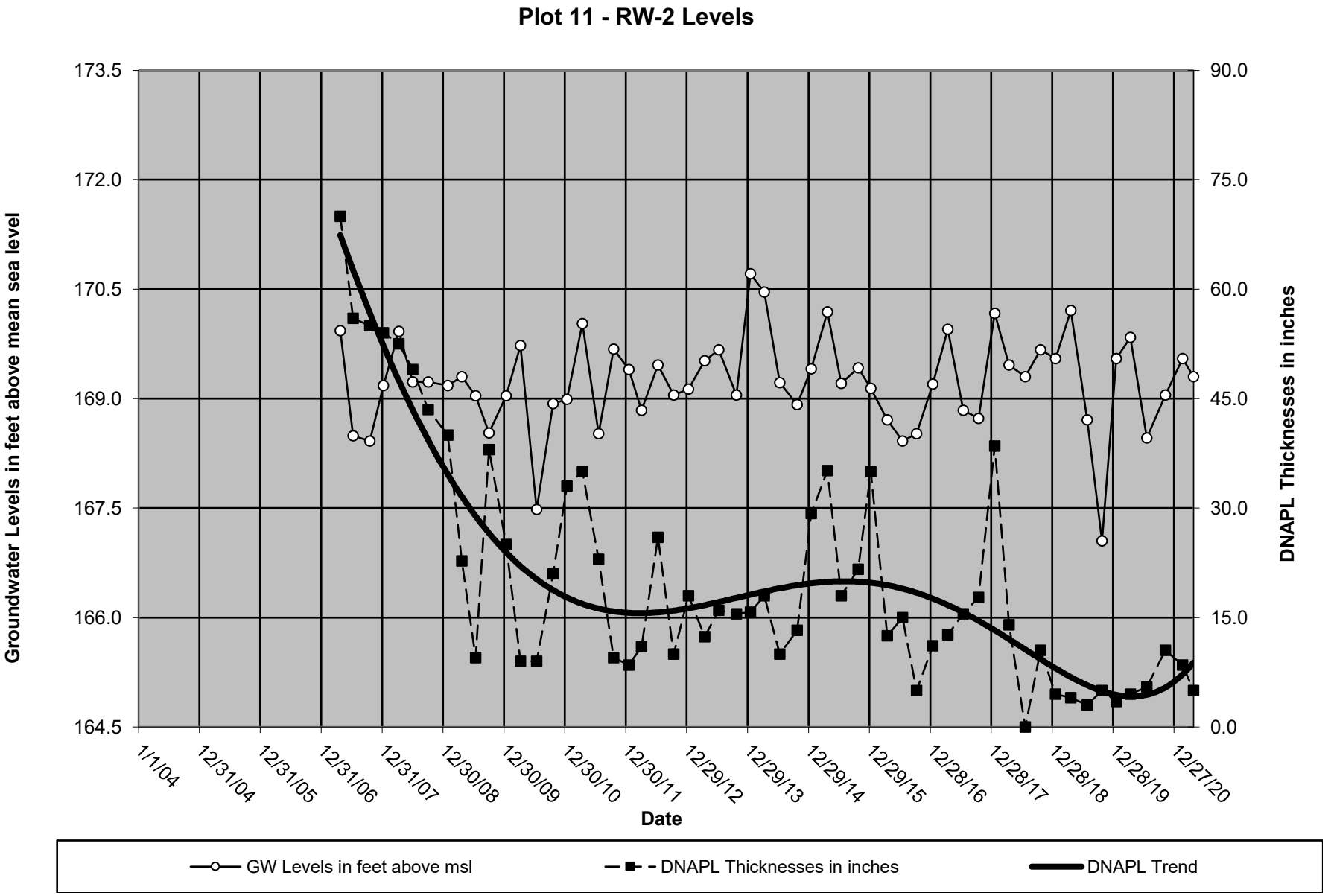

Plot 6 - MW-28 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
18.0
15.0
12.0
9.0
6.0
3.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend

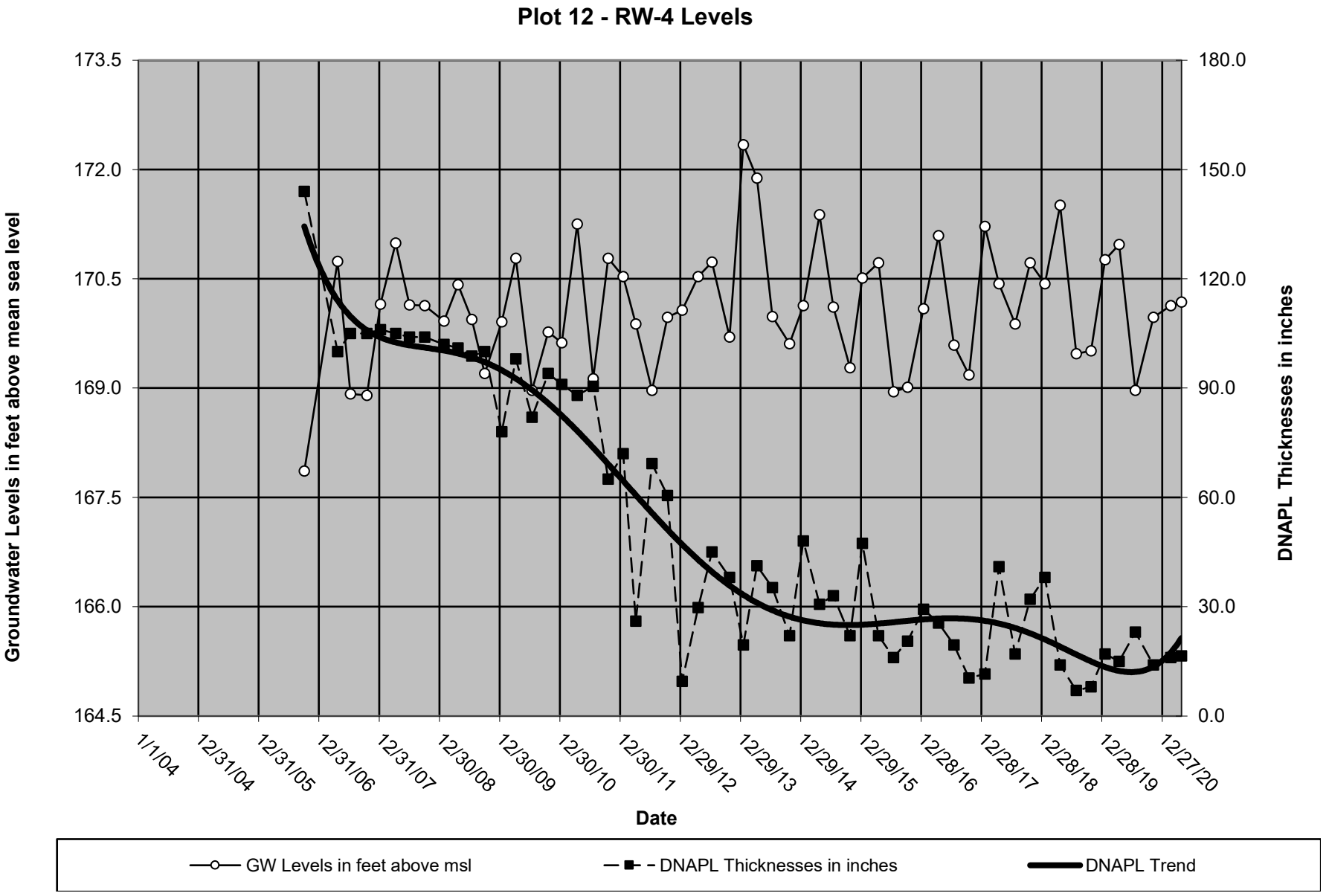

Plot 7 - MW-29 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend

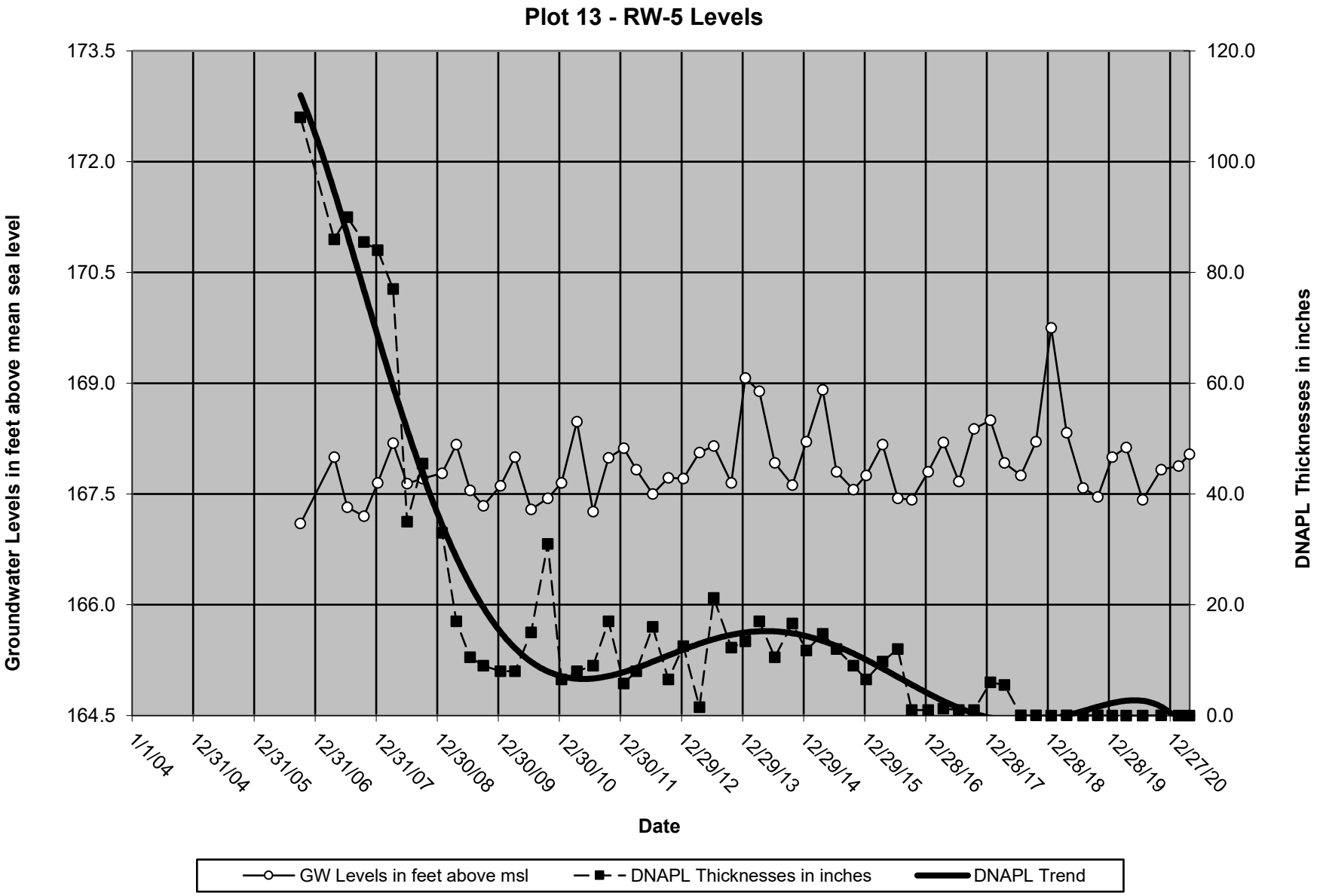

Plot 8 - MW-31 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend

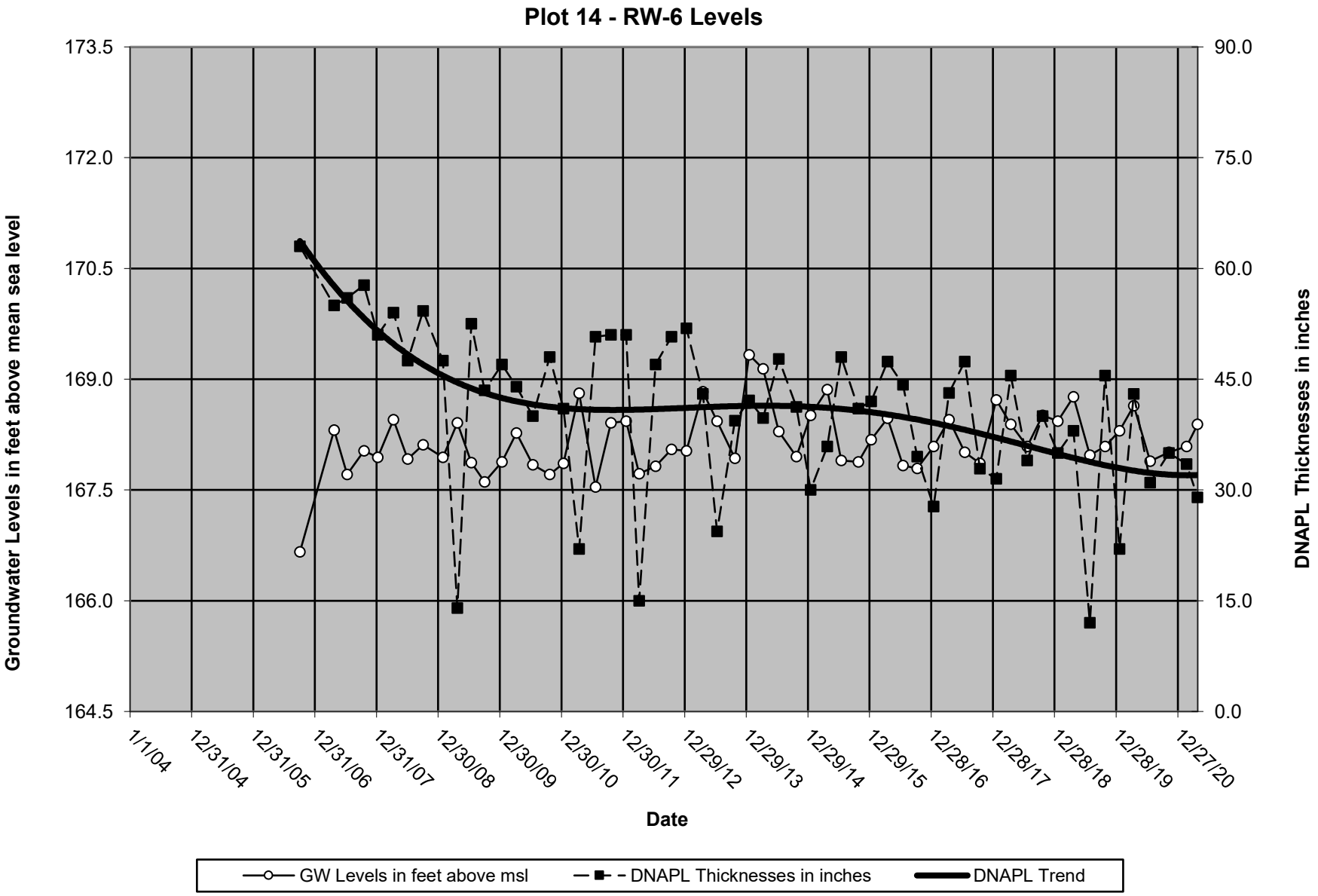

Plot 9 - PZ-7 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
24.0
20.0
16.0
12.0
8.0
4.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend

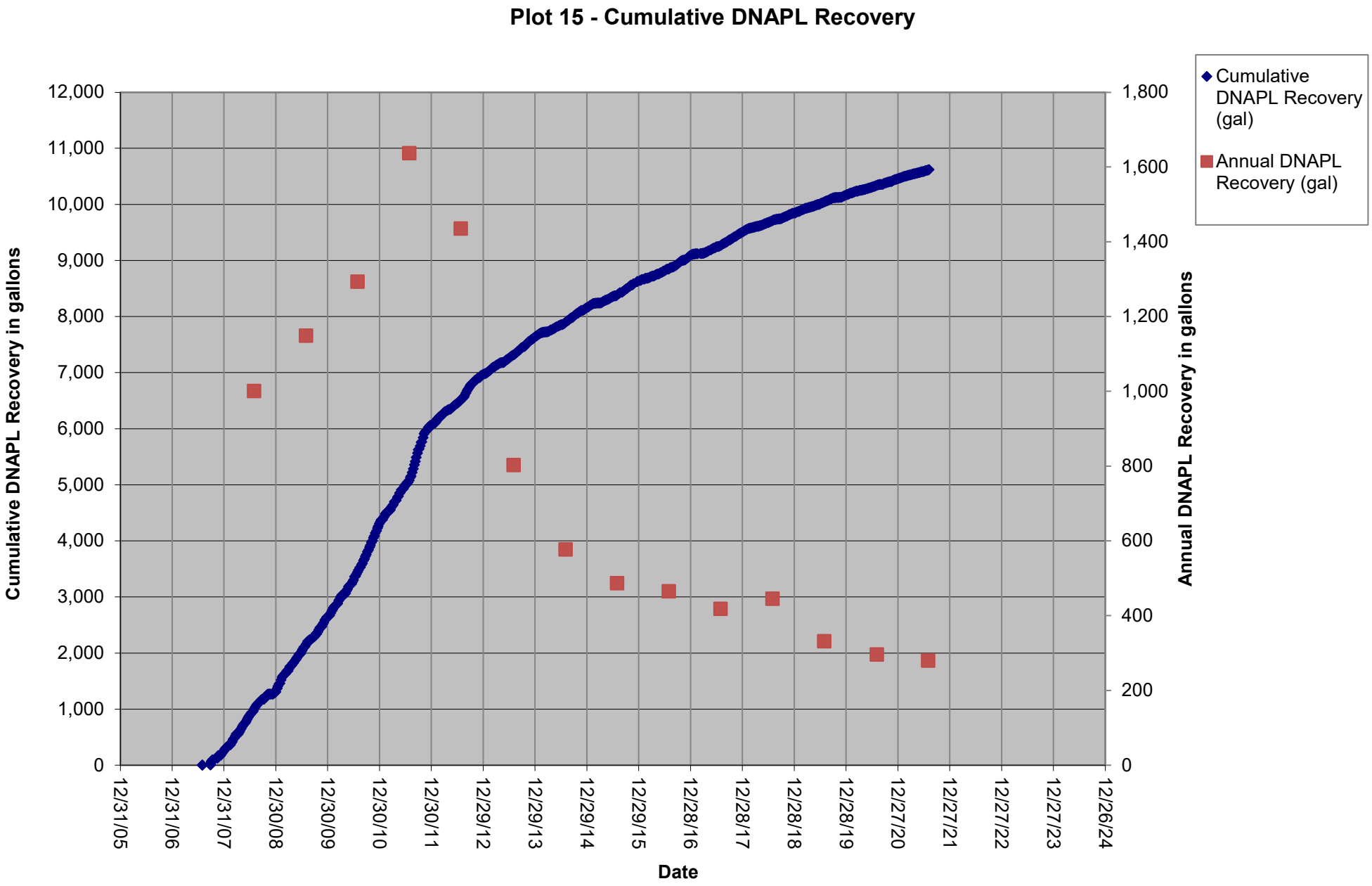

Plot 10 - RW-1 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
36.0
30.0
24.0
18.0
12.0
6.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend


Plot 11 - RW-2 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
90.0
75.0
60.0
45.0
30.0
15.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend


Plot 12 - RW-4 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
180.0
150.0
120.0
90.0
60.0
30.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend


Plot 13 - RW-5 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend


Plot 14 - RW-6 Levels
Groundwater Levels in feet above mean sea level
DNAPL Thicknesses in inches
173.5
172.0
170.5
169.0
167.5
166.0
164.5
90.0
75.0
60.0
45.0
30.0
15.0
0.0
1/1/04
12/31/04
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
Date
GW Levels in feet above msl
DNAPL Thicknesses in inches
DNAPL Trend


Plot 15 - Cumulative DNAPL Recovery
Cumulative DNAPL Recovery in gallons
Annual DNAPL Recovery in gallons
Date
Cumulative DNAPL Recovery (gal)
Annual DNAPL Recovery (gal)
0
1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
9,000
10,000
11,000
12,000
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
12/31/05
12/31/06
12/31/07
12/30/08
12/30/09
12/30/10
12/30/11
12/29/12
12/29/13
12/29/14
12/29/15
12/28/16
12/28/17
12/28/18
12/28/19
12/27/20
12/27/21
12/27/22
12/27/23
12/26/24

Tighe&Bond

APPENDIX F

1. This report has been prepared on behalf of and for the exclusive use of the Client and is subject to and issued in accordance with the Agreement and the provisions thereof. Documents provided on this project shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party without the prior written consent of Tighe & Bond. Reuse of documents by Client or others without Tighe & Bond's written permission and mutual agreement shall be at the user's sole risk, without liability on Tighe & Bond's part and Client agrees to indemnify and hold Tighe & Bond harmless from all claims, damages, and expenses, including attorney's fees, arising out of such unauthorized use or reuse.

2. Tighe & Bond acknowledges and agrees that, subject to the Limitations set forth herein and prior written approval by Tighe & Bond, this report may be provided to specific financial institutions, attorneys, title insurers, lessees and/or governmental agencies identified by Client at or about the time of issuance of the report in connection with the conveyance, mortgaging, leasing, or similar transaction involving the real property which is the subject matter of a report and any work product. Use of this report for any purpose by any persons, firm, entity, or governmental agency shall be deemed acceptance of the restrictions and conditions contained therein, these Limitations and the provisions of Tighe & Bond's Agreement with Client. No warranty, express or implied, is made by way of Tighe & Bond's performance of services or providing an environmental site assessment, including but not limited to any warranty with the contents of a report or with any and all work product.

3. Tighe & Bond performed the subsurface investigation in accordance with our Agreement (including any stated scope and schedule limitations) and used the degree of care and skill ordinarily exercised under similar circumstances by members of the profession practicing in the same or similar locality. The objective of a subsurface investigation is to evaluate the presence or absence of contamination. Where access was denied or conditions obscured, Tighe & Bond provides no opinion or report on such areas. The subsurface investigation may not identify all contaminated media as our scope may be limited to certain locations within a site or due to geologic variability, contamination variability, seasonal conditions, obstructions such as buildings, utilities, or other site features and/or other unknown conditions. Tighe & Bond performed the subsurface investigation using reasonable methods to access and identify the presence of contaminated media. Therefore, additional contaminated media may be present at the site and may be discovered during development and site work, so an appropriate cost contingency should be carried by the Client based on their risk tolerance. Tighe & Bond also makes no opinion or report of contamination that may have migrated off site unless off-site investigations are specifically including in the scope of services.

4. Findings, observations, and conclusions presented in this report, including but not limited to the extent of any subsurface explorations or other tests performed by Tighe & Bond, are limited by the scope of services outlined in the Agreement, which may establish schedule and/or budgetary constraints for an environmental assessment or phase thereof. Furthermore, while it is anticipated that each assessment will be performed in accordance with generally accepted professional practices and applicable standards (such as ASTM, etc.) and applicable state and Federal regulations, as may be further described in the report and/or the Agreement, Tighe & Bond does not assume responsibility for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of its services.

5. In preparing this report, Tighe & Bond, Inc. may have relied on certain information provided by governmental agencies or personnel as well as information and/or representations provided by other persons, firms, or entities, and on information in the files of governmental agencies made available to Tighe & Bond at the time of the site assessment. To the extent that such information, representations, or files may be inaccurate, missing, incomplete or not provided to Tighe & Bond, Tighe & Bond is not responsible. Although there may be some degree of overlap in the information provided by these various sources, Tighe & Bond does not assume responsibility for independently verifying the accuracy, authenticity, or completeness of any and all information reviewed by or received from others during the course of the site assessment.

6. The assessment presented is based solely upon information obtained or received prior to issuance of the report. If additional environmental or other relevant information is developed at a later date, Client agrees to bring such information to the attention of Tighe & Bond promptly. Upon evaluation of such information, Tighe & Bond reserves the right to recommend modification of this report and its conclusions. In addition, dense forested areas on the site created some visual and access limitations during the site reconnaissance.

7. Emerging contaminants, including per- and poly-fluorinated alkyl substances (PFAS), are hazardous materials or mixtures (including naturally occurring or manmade chemical, microbial, or radiological substances) that are characterized by having a perceived or real threat to human health, public safety, or the environment for which there are no published health standards or guidelines and there is insufficient or limited available toxicological information or toxicity information that is evolving or being re-evaluated; or there is not significant new source, pathway, or detection limit information. The state of these compounds is constantly being updated and therefore, Tighe & Bond cannot be held liable for not including these compounds in the list of analytes that are analyzed when our services are performed. Unless otherwise specified, Tighe & Bond will only analyze for compounds ordinarily included under similar circumstances by members of the profession practicing in the same or similar locality. Tighe & Bond will not be liable for not including these or any other compounds in the list of target analytes if information regarding their use is not made available by current or former operators/owners at the facility being evaluated. We will also not be liable for not analyzing for the presence of an emerging contaminant, even if that compound is detected at a later date.

8. Tighe & Bond makes no guarantee or warranty that this report (if provided to a regulatory agency) will pass a regulatory audit/review. The Licensed Site Professional (LSP), Licensed Environmental Professional (LEP), Professional Geologist (PG), Professional Engineer (PE) or other relevant professional licensure and the applicable regulatory reviewing agency may have differences of opinion on aspects of (and approaches to) the assessment, remediation, risk evaluation or closure and the regulatory agency may request additional information, sampling data, analysis and/or remediation. Such differences of opinion will not be interpreted to imply that Tighe & Bond's services were not performed competently and in accordance with the standard of care. If additional investigations, response action evaluations, or discussions are needed following a regulatory audit/review, Tighe & Bond can provide these services under a separate Agreement.

9. If an Opinion of Probable Construction Costs (OPCC) is provided, Tighe & Bond has no control over the cost or availability of labor, equipment or materials, or over market conditions or the contractor's method of pricing, and that the opinion of probable costs is made on the basis of Tighe & Bond's professional judgment and experience is based on currently available information. Tighe & Bond makes no guarantee nor warranty, expressed or implied, that the actual costs of the construction work will not vary from the OPCC.

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100% Recyclable

Department retains original application and issues duplicate as Permit

Commonwealth of Massachusetts

Department of Fire Services – Board of Fire Prevention

-H 14869

APPLICATION and PERMIT

Fee: _____

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Tank Owner

Tank Owner Name (please print) Town of Amherst X _____ (Signature (if applying for permit))

Address 70 South East St (Street) Amherst (City) MA (State) (Zip)

Removal Contractor

Company Name Lemon Environmental Services, Inc (Print)

Address 70 North Chicopee St (Print) Chicopee, MA. 01020

Signature (if applying for permit) _____

X IFCI Certified Other _____

Contamination Assessment

Co. or Individual New England Environmental Inc William Lyons Walters (Print)

Address 15 Research Drive Amherst MA 01002 (Print)

Signature (if applying for permit) _____

☐ IFCI Certified ■ LSP # _____ Other _____

Tank Information

Tank Location 70 South East St (Street Address) Amherst (City)

Tank Capacity (gallons) 10,000 UST Substance Last Stored #2 Fuel Oil

Tank Dimensions (diameter x length) _____

Remarks: Recertifying tank Containment Solutions

Disposal Information

Firm transporting waste _____ State tic. # _____

Hazardous waste manifest# _____ E.P.A. # _____

Approved tank disposal yard _____ Tank yard # _____

Type of inert gas _____ Tank yard addnss _____

Approvals

City or Town Amherst MA FDID# 15008 Permit* 20130094

Date of issue 8/13/2012 Date of expiration _____

Dig safe approval number: _____ Dig Safe Toll Free Tel. Number • 800-322-4834

Signature / Title of Officer granting permit _____ Fire Inspector

After removal(s) send Form FP-290R signed by Focal Fire Dept. to UST Regulatory Compliance Unit. One Ashburton Place, Room 1310, Boston, MA 02108-1618.

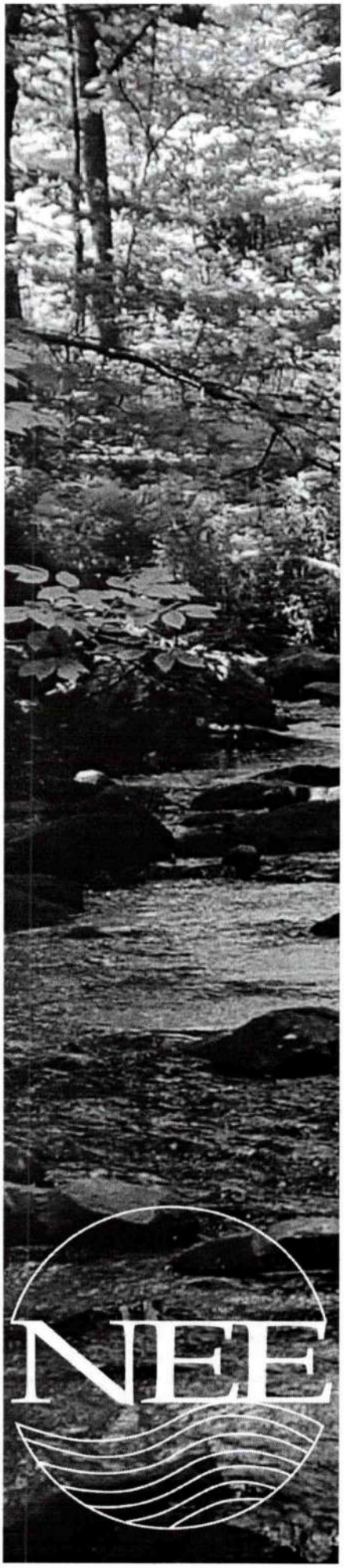
P-292 (revised 9/96)

AMHERST FIRE DEPARTMENT
Inspection/Site Visit Report

Address: 70 So. Eagle St Fall River Mass	**Date:** 5/13/12
Project: Remove (1) 10,000 gal UST	
Attendees: Roy AFD, Pierlx AP Lemelin Environmental, N.E Environmental LSP	

Reference	Description	Action
Tank	(1) double walled fiberglass	
	Tank found in clean fill,	
	Sitting in water 1/2 the way	
	up tank	
Visual	Inspection → tank Appears to be	OK
	extracted with no obvious damage	
	No oil visable on ground water,	
	No oder of oil present	
Soil	→ Samples taken by NE Environmental	
	for testing	
Tank	→ Removed from ground And placed	OK
	on trailor without damage	

Report by	Title	Date
[signature]	Fire Inspector	5/21/12



NEE environmental consulting

Underground Storage Tank Removal Report

Fort River Elementary School
70 South East Street
Amherst, Massachusetts

Submitted; **August 28, 2012**

Prepared for:
Mr. Ron Bohonowicz, Director of Facilities and Maintenance
Amherst Regional Public Schools
170 Chestnut Street
Amherst, MA 01002

NEE Project No. 12-4102-H

New England Environmental, Inc.
Environmental Consulting
15 Research Drive
Amherst, MA 01002
(p) 413.256.0202
(f) 413.256.1092
www.neeinc.com

August 28, 2012

Mr. Ron Bohonowicz, Director of Facilities and Maintenance
Amherst Regional Public Schools
170 Chestnut Street
Amherst, MA 01002

RE: Underground Storage Tank Removal Report
Fort River Elementary School
70 South East Street
Amherst, Massachusetts

Dear Mr. Bohonowicz:

New England Environmental, Inc. (NEE) is pleased to submit this closure report regarding our oversight of removal of an underground storage tank (UST) from the above referenced property. Our work was conducted in accordance with the Massachusetts Oil and Hazardous Materials Release Prevention and Response Act (Massachusetts General Law, chapter 21E) and the Massachusetts Contingency Plan (MCP, 310 CMR 40.0000). A summary of our oversight activities is presented below. This work was completed under the Terms and Conditions of our contract (Attachment 1).

1.0 INTRODUCTION

NEE has prepared the following closure report documenting our observation of the removal of a 10,000-gallon fiberglass No. 2 fuel/heating oil UST formerly located at the Fort River Elementary School, 70 South East Street in Amherst, Massachusetts (Site). The Site is an elementary school and the UST was reportedly installed in 1995 at the southwest corner of the building, adjacent to the boiler room. The school heating system was recently converted to natural gas and the tank has been empty awaiting removal. It is our understanding that the UST will be tested for integrity and re-used elsewhere.

1.1 UST Removal

On August 13, 2012, the fiberglass UST was removed by Lemelin Environmental Services, Inc. of Chicopee, Massachusetts. Town of Amherst Fire Inspector, Mr. Mike Roy, was also on-site to observe the removal. No stained or discolored soil was observed on the base or sidewalls of the excavation and no petroleum odors were evident. Groundwater was encountered in the excavation at approximately nine feet below grade and no sheen or free-floating oil was observed on the groundwater. The soil in the excavation consisted of sand and silt fill to a depth of approximately eight feet below grade followed by fine gravel and clay from eight feet to a maximum depth of ten feet below grade.

Prior to removal of the tank, we observed oil in the two blue containment sleeves for the fill and vent piping and it appeared that there had been a minor leak in the piping that was captured by the containment sleeves. The oil in the containment sleeves was evacuated prior to removing the sleeves.

1.2 Soil Sample Collection

Upon removal of the tank, NEE collected six soil samples from the base and sidewalls of the tank excavation to be screened in the field for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). Two soil samples were collected from the base (North Base 10' and South Base 10') and a sample was collected from each of the four sidewalls (North-7', South-7', East-7' and West-7'). PID screening results are presented on the attached Table 1. The PID screening indicated elevated levels of VOCs in the soil samples collected from the sidewall samples and the South Base 10' sample ranging from 5 parts per million (ppm) to 31 ppm. It is likely that the elevated PID readings were due to the minor leakage observed in the containment sleeves for the fill and vent piping and was not due to the tank.

1.3 Laboratory Analysis

NEE submitted the six post-excavation soil samples described above to Spectrum Analytical, Inc. of Agawam, Massachusetts under chain-of-custody to be analyzed for Total and Extractable Petroleum Hydrocarbons (TPH/EPHs) according to MassDEP methodology. Laboratory analytical results are presented in Attachment 2. The samples were representative of the soil under the tank as required by the Board of Fire Prevention Regulations [527 CMR 9.00]. The purpose of the confirmatory samples is to demonstrate that the soil is not contaminated and therefore that the tank did not leak, as initially evidenced by the PID field screening results. As indicated in Table 1, there were no TPHs or EPHs detected above laboratory method detection limits.

2.0 SUMMARY

As the accompanying photographs show, this heating oil underground storage tank (UST) was in good condition upon its removal from the ground. There were no visible holes, staining, or other signs of leakage on the tank. The confirmatory soil analytical results indicate that no petroleum carbon fraction or target analytes were detected by the laboratory analyses. These results indicate that the soil under the tank is not contaminated and NEE concludes that this heating oil UST did not leak. No additional assessment or remediation is recommended at this time.

If you have any questions or comments, please contact our office.

Sincerely,
NEW ENGLAND ENVIRONMENTAL, INC.

Joel Harris
Project Manager

Wm. Lyons Witten, P.G., L.S.P
Division Manager, Hydrogeologist

Attachments: Figures
Tables
Photographs
Attachment 1: Terms & Conditions
Attachment 2: Laboratory Analytical Data Sheets

FIGURES

Figure 1: Locus Map
Fort River Elementary School
70 South East St
Amherst, MA

Data Source: MassGIS, Commonwealth of Massachusetts Executive Office of Environmental Affairs
USGS Mt. Holyoke, Mass Quadrangle

NEE Job # 12-4102

Latitude 42° 22' 32" N
Longitude 72° 29' 55" W

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES
15 Research Drive • Amherst, MA 01002
(413) 256-0202 • Fax: (413) 256-1092

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August 14, 2012

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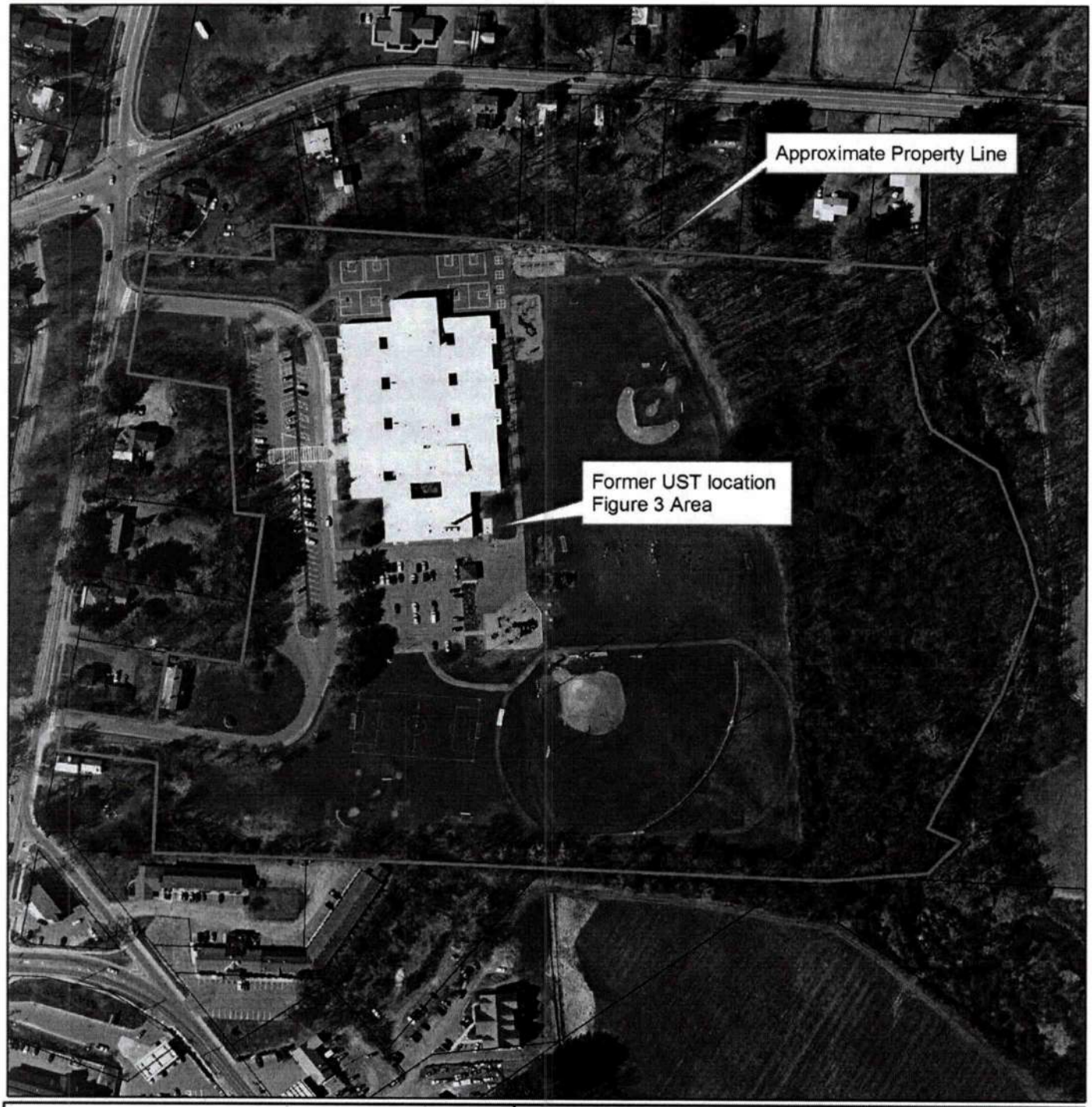

Figure 2: Ortho
Fort River Elementary School
70 South East St
Amherst, MA

Data Source: MassGIS, Commonwealth of Massachusetts Executive Office of Environmental Affairs Locus Map 2009

NEE Job # 12-4102

Latitude 42° 22' 32" N
Longitude 72° 29' 55" W

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August 14, 2012

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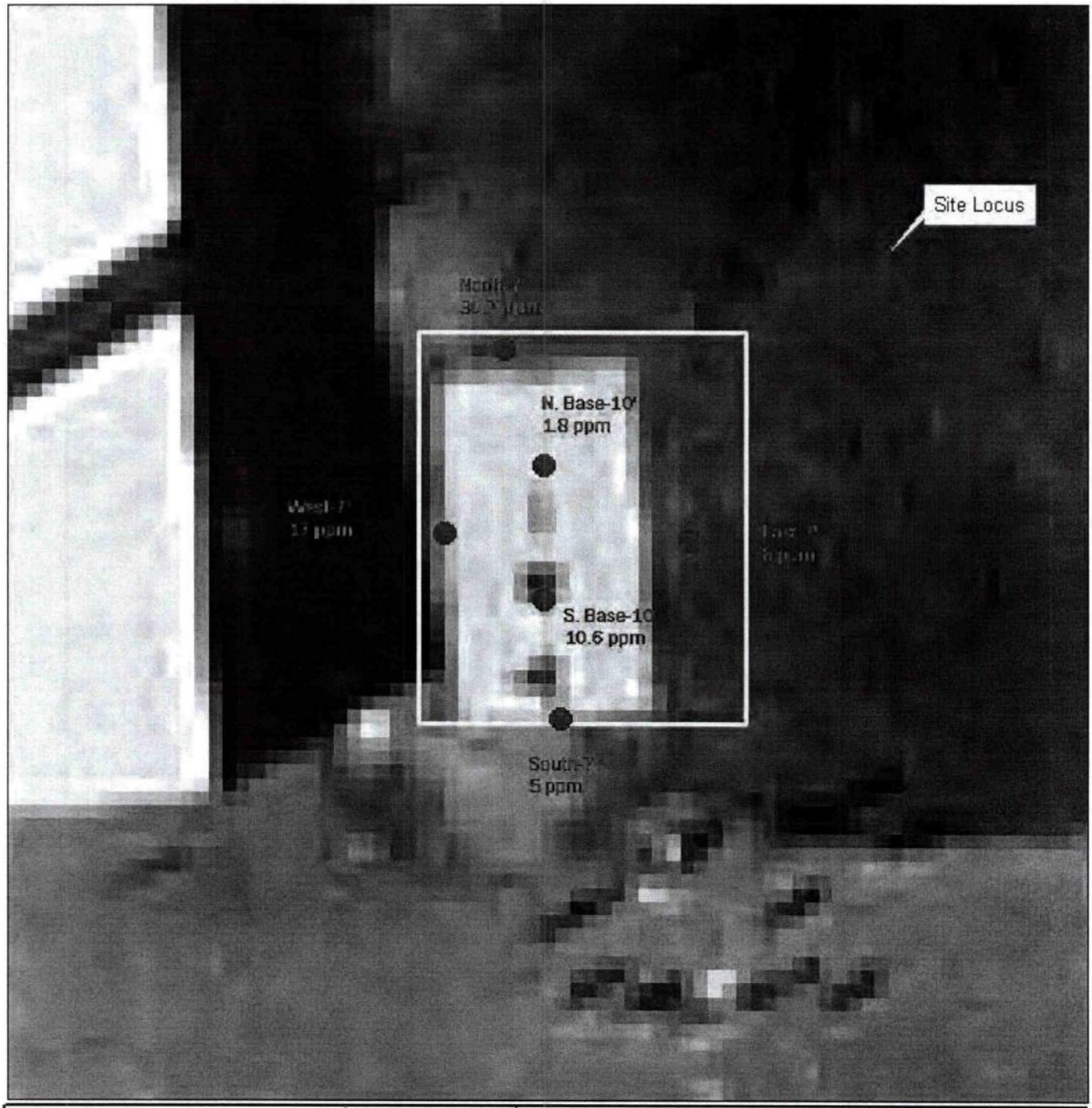

Figure 3: Site Plan
Fort River Elementary School
70 South East St
Amherst, MA

Data Source: MassGIS, Commonwealth of Massachusetts Executive Office of Environmental Affairs Locus Map 2009

NEE Job # 12-4102

Latitude 42° 22' 32" N
Longitude 72° 29' 55" W

NEW ENGLAND ENVIRONMENTAL, INC.
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August 14, 2012

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TABLES

Table 1 Soil Analytical Results

Table 1
Laboratory Results - Soil
Fort River Elementary School
Amherst, MA

Sample I.D.:	North-7'	South-7'	East-7'	West-7'	North Base-10'	South Base-10'	MassDEP	MassDEP
Depth:	7'	7'	7'	7'	10'	10'	RCS-1	RCS-2
Sampling Date:	8/13/12	8/13/12	8/13/12	8/13/12	8/13/12	8/13/12		
Field Screening (PID) Results (ppm)	30.7	5.0	8.0	17.0	1.8	10.6	**>100**	
TPH (mg/kg)EPA Method 418.1	<31.1	<39.1	<35.3	<30.2	<37.2	<30.2	1,000	3,000
EPH Aliphatics & Aromatics(mg/Kg)								
C9-C18 Aliphatics	<10.4	<13.0	<11.8	<10.1	<12.4	<10.1	1,000	3,000
C19-C36 Aliphatics	<10.4	<13.0	<11.8	<10.1	<12.4	<10.1	3,000	5,000
C11-C22 Aromatics	<10.4	<13.0	<11.8	<10.1	<12.4	<10.1	1,000	3,000
EPH Target Analytes (mg/Kg)								
Napthalene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	4	40
2-Methylnapthalene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	0.7	80
Acenaphthylene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	1	10
Acenaphthene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	4	3,000
Fluorene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	1000	3,000
Phenanthrene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	10	1,000
Anthracene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	1,000	3,000
Fluoranthrene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	1,000	3,000
Pyrene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	1,000	3,000
Benzo (a) anthracene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	7	40
Chrysene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	70	400
Benzo (b) fluoranthene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	7	40
Benzo (k) fluoranthene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	70	400
Benzo (a) pyrene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	2	4
Indeno (1,2,3,-cd) pyrene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	7	40
Dibenzo (a,h) anthracene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	0.7	4
Benzo (g,h,i) perylene	<0.345	<0.433	<0.392	<0.336	<0.413	<0.335	1,000	3,000

Notes:

1 - Laboratory Analytical results compared to: 310 CMR 40.1600

2 - Red (& bold) = Exceeds Method 1 Cleanup Standard

3 - Blue = Parameter detected above laboratory Method Detection Limit

4 - Red = Exceeds Reportable Concentration

PHOTOGRAPHS

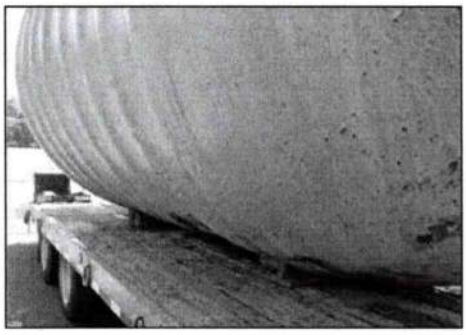
Tank Removal Photographs

1

2

3

4



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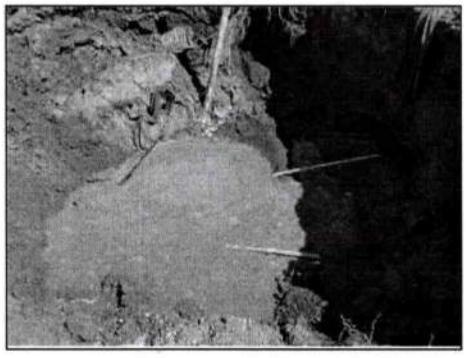

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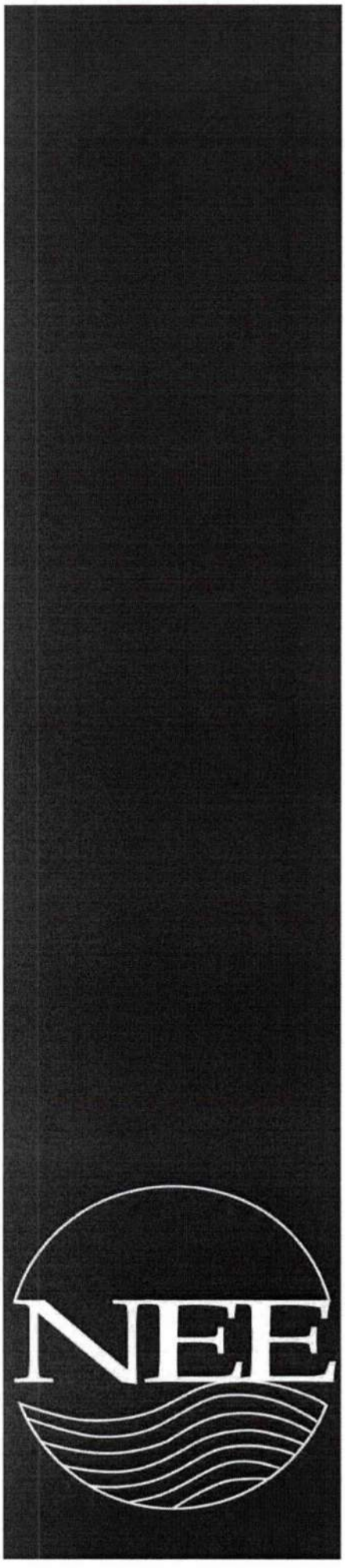
ATTACHMENT 1

NEE Terms & Conditions



New England Environmental, Inc.
Environmental Consulting
15 Research Drive
Amherst, MA 01002
(p) 413.256.0202
(f) 413.256.1092
www.neeinc.com

ATTACHMENT 1: TERMS & CONDITIONS

These Terms and Conditions and the Proposal dated May 7, 2012 prepared and submitted by New England Environmental, Inc. (NEE) to Town of Amherst (Client), constitute the "Agreement" between NEE and the Client.

1. Services and Reliance: The services rendered in our proposal will be performed for the sole use of the Client, client's legal counsel(s), and client's regulatory agencies for this environmental site assessment/remediation project. Any reuse or reliance on this work by third parties is prohibited and shall only be done with the prior written consent of NEE.
2. Standard of Care: Services performed by NEE under this agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, expresses or implied, and no warrantee or guaranty is included or intended in this Agreement, or in any report, opinion, document, or otherwise. NEE is not responsible for the accuracy and veracity of information provided to us by outside parties with respect to the project Site and adjacent properties.
3. Termination: Client may terminate this Agreement without penalty upon seven (7) calendar days written notice to NEE, provided that Client shall be obligated pursuant to the terms hereof for all services performed and obligations incurred by NEE on Client's behalf as of the effective date of termination. Such services shall include those rendered up to the date of termination, as well as those reasonable costs associated with the termination itself, such as demobilization.

   Prior to the final execution of this proposal, NEE reserves the right to take those measures necessary to evaluate the credit history of the client and subsequently, cancel or modify this proposal as deemed necessary. NEE reserves the right to stop work on all projects for a client in the event that one or more of the client's accounts is in arrears in excess of 30 days. If NEE has stopped work on a project for this reason, we will not be held responsible for consequences, financial or otherwise associated with project delays or final completion thereof. NEE may terminate this Agreement upon seven (7) calendar days written notice to Client of non-payment of invoices within the thirty (30 day period described in article 6 of this Agreement. In the event of termination for non-payment of invoices Client will be responsible for all reasonable termination costs incurred by NEE.
4. Payment: Invoices for services will be submitted monthly. By the signing of this proposal, it is agreed and understood that payment will be made upon receipt of the invoice. It is further understood that any balances on this account remaining unpaid for a period of 30 days will incur a service charge of 1-1/2% per month (expressed as an annual percentage rate, the charge is 18%). It is further agreed that if said account is turned over for collection, reasonable attorney's fees and costs of collection shall be added to the unpaid balances, whether or not legal action is instituted. The parties to this contract specifically agree that NEE has no obligation to release drawings or other documents until the final bill for services associated with the production of those documents has been paid.
5. Assignment: Neither party to this Agreement shall assign its duties and obligations hereunder without prior written consent of the other party, except that NEE may use the services of persons and entities not in its employ, when it is necessary or NEE deems appropriate. Such persons may include, but are not necessarily limited to: surveyors, specialty consultants or engineers, drilling contractors, and testing laboratories.
6. Governing Law; Severability: This Agreement shall be governed and enforceable in accordance with the laws of Massachusetts. Any element of this Agreement later held to violate a law or regulation shall be deemed void, and all remaining provisions shall continue in force.
7. Regulatory Compliance: Based upon the work under this Agreement, NEE may present opinions with respect to the environmental conditions of the Site. The actual determination of compliance of present or former operators of the Site with federal or state regulations can only be made by the appropriate regulatory agencies.
8. Right of Entry: Client shall provide to NEE, and its subcontractors, access to any Site necessary to perform the Scope of Work included hereunder. Client understands that certain tasks, such as field explorations, may cause damage. NEE shall be responsible for such damages to the extent caused by our negligent acts.

9. Underground Structures: If subsurface explorations are performed, NEE will contact the appropriate government or private agency which locates subsurface utilities. Client will provide NEE with all plans and other information in Client's possession or control concerning Site underground structures. On Sites not owned by Client, NEE will request utility locations and other plans from the Site owner or other person(s) designated by the Client. Client/owner agrees to accept the risk of damage and loss associated with repair or restoration of any improvements not located on plans and/or identified in information provided to NEE.

10. Chemical Conditions: Chemical analyses may be performed for certain parameters during this assessment. However, additional chemical constituents not searched for during the study may be present in soil and/or groundwater at the Site. Chemical conditions reported by NEE reflect conditions only at the locations tested at the time of testing and within the limitations of the methods used. Such conditions can vary rapidly from area to area and from time to time.

11. Samples & Contaminated Media: Contaminated media generated as part of assessment or remedial activities are the sole responsibility of the Client. NEE can assist with the proper transportation and disposal of contaminated materials, at the Clients expense. NEE will pay for the transportation and disposal of contaminated materials only if expressly stated in our Scope of Services. Unless expressly requested in writing by the Client, NEE will not retain samples from the Site for long-term storage. Samples for laboratory analyses will be retained and stored for the interim period during transport to the laboratory.

12. Field Observation Services: NEE's services will not include the direction or supervision of a contractor or subcontractor other than those contracted directly by NEE. Our services do not include responsibility for Health & Safety practices performed by others on the Site.

13. Ownership of Documents: All reports, boring logs, field data, field notes, photographs, laboratory test data, calculations, estimates, and other documents prepared by NEE as instruments of service shall remain the sole property of NEE. NEE shall retain such records for a minimum of three (3) years. At Client's request, NEE will provide reasonable access or copies of such documents. Reproduction costs will be at the Client's expense.

14. Disclosure of Information: Client will inform NEE of all information in Client's possession or control relevant to the performance of NEE's services. This information includes, but is not limited to, all prior Site reports, Site plans or maps, waste disposal manifests, permits, and analytical data. Client will indemnify, defend, and hold NEE harmless of and from all loss or damage resulting from any claim that arises, in whole or in part, as a result of information Client fails to disclose to NEE.

15. Licensed Site Professional Services: In conducting certain environmental services, NEE employees may act in their capacity as Registered Licensed Site Professionals (LSPs), in accordance with the Massachusetts Contingency Plan (MCP). Opinions rendered by a LSP on this project are the product of Response Action Performance Standards (RAPS), the level of diligence reasonably necessary to obtain the quantity and quality of information adequate to assess a site and evaluate remedial action alternatives, to design and implement specific remedial actions to achieve a level of No Significant Risk for any foreseeable period of time, and where feasible, to reduce to the extent possible the level of oil and /or hazardous materials in the environment to background levels. Client acknowledges that in performing these services NEE, through its LSPs, is bound by state law to meet the requirements of the MCP. Client further acknowledges that NEE's duty to comply with state law may in some instances conflict with Client interests; in these cases NEE will seek to comply with the law.

    LSP Opinions are not a guarantee of acceptance by a regulatory authority. The Massachusetts DEP may conduct a random or targeted compliance audit of response actions under the MCP at any disposal site, and in addition intends to audit all response actions which include Activity and Use Limitations (AULs). Client acknowledges that Client is responsible for all costs arising out of NEE's actions to comply with DEP requests during an Audit, including NEE's fees for time and materials used in preparing responses. These costs are not included in NEE's current budget for this proposal, unless specifically mentioned.

16. Limitation of Professional Liability: The owner/client agrees to limit the liability of New England Environmental, Inc., to the owner/client and to all construction contractors and subcontractors on the project arising from New England Environmental, Inc.'s negligent acts, errors and omissions such that the total aggregate liability of New England Environmental, Inc. will not exceed the contract amount or $25,000, whichever is greater.

ATTACHMENT 2

Laboratory Analytical Data Sheets

Report Date:
17-Aug-12 15:31

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

New England Environmental, Inc.
15 Research Drive
Amherst, MA 01002
Attn: Lyons Witten

Project: Fort River School - Amherst, MA
Project #: 12-4102

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB54456-01	North - 7'	Soil	13-Aug-12 11:00	14-Aug-12 13:00
SB54456-02	South - 7'	Soil	13-Aug-12 11:05	14-Aug-12 13:00
SB54456-03	East - 7'	Soil	13-Aug-12 11:10	14-Aug-12 13:00
SB54456-04	West - 7'	Soil	13-Aug-12 11:15	14-Aug-12 13:00
SB54456-05	North Base 10'	Soil	13-Aug-12 11:20	14-Aug-12 13:00
SB54456-06	South Base 10'	Soil	13-Aug-12 11:25	14-Aug-12 13:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.
Please note that this report contains 16 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrices	Soil			
Containers	✓ Satisfactory			
Aqueous Preservative	✓ N/A	pH≤2	pH>2	pH adjusted to <2 in lab
Temperature	Received on ice	Received at 4 ± 2 °C	✓ Other: 1.8°C	

Were all QA/QC procedures followed as required by the EPH method? *Yes*
Were any significant modifications made to the EPH method as specified in Section 11.3? *No*
Were all performance/acceptance standards for required QA/QC procedures achieved? *Yes*

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Nicole Leja
Laboratory Director

MassDEP Analytical Protocol Certification Form

Laboratory Name: Spectrum Analytical, Inc.			**Project #:** 12-4102		
Project Location: Fort River School - Amherst, MA			**RTN:**		
This form provides certifications for the following data set:			SB54456-01 through SB54456-06		
Matrices: Soil					
CAM Protocol					
8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	✓ MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B

	Affirmative responses to questions A through F are required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	✓ Yes	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	✓ Yes	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	✓ Yes	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	✓ Yes	No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	✓ Yes Yes	No No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?	✓ Yes	No
	Responses to questions G, H and I below are required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	Yes	✓ No
	***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	✓ Yes	No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	✓ Yes	No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 8/17/2012

CASE NARRATIVE:

The samples were received 1.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

The laboratory has set in-house acceptance limits of 20% for ICV standards. These limits are stricter criteria than MA DEP CAM for organic test methods; therefore, the end user should evaluate the narrated deviations based on the program requirements he or she is sampling under.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

MADEP EPH 5/2004 R

Calibration:

1208017

Analyte quantified by quadratic equation type calibration.

Benzo (b) fluoranthene

This affected the following samples:

S209499-ICV2

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
North - 7' SB54456-01	12-4102	Soil	13-Aug-12 11:00	14-Aug-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
EPH Aliphatic/Aromatic Ranges Prepared by method SW846 3545A													
	C9-C18 Aliphatic Hydrocarbons	< 10.4		mg/kg dry	10.4	1.52	1	MADEP EPH 5/2004 R	15-Aug-12	17-Aug-12	MP	1219540	
	C19-C36 Aliphatic Hydrocarbons	< 10.4		mg/kg dry	10.4	5.06	1	"	"	"	"	"	
	C11-C22 Aromatic Hydrocarbons	< 10.4		mg/kg dry	10.4	3.75	1	"	"	"	"	"	
	Unadjusted C11-C22 Aromatic Hydrocarbons	< 10.4		mg/kg dry	10.4	3.75	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 31.1		mg/kg dry	31.1	10.3	1	"	"	"	"	"	
	Unadjusted Total Petroleum Hydrocarbons	< 31.1		mg/kg dry	31.1	10.3	1	"	"	"	"	"	
EPH Target PAH Analytes Prepared by method SW846 3545A													
91-20-3	Naphthalene	< 0.345		mg/kg dry	0.345	0.180	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 0.345		mg/kg dry	0.345	0.180	1	"	"	"	"	"	
208-96-8	Acenaphthylene	< 0.345		mg/kg dry	0.345	0.202	1	"	"	"	"	"	
83-32-9	Acenaphthene	< 0.345		mg/kg dry	0.345	0.201	1	"	"	"	"	"	
86-73-7	Fluorene	< 0.345		mg/kg dry	0.345	0.204	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 0.345		mg/kg dry	0.345	0.235	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.345		mg/kg dry	0.345	0.255	1	"	"	"	"	"	
206-44-0	Fluoranthene	< 0.345		mg/kg dry	0.345	0.231	1	"	"	"	"	"	
129-00-0	Pyrene	< 0.345		mg/kg dry	0.345	0.249	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	< 0.345		mg/kg dry	0.345	0.250	1	"	"	"	"	"	
218-01-9	Chrysene	< 0.345		mg/kg dry	0.345	0.268	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	< 0.345		mg/kg dry	0.345	0.307	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	< 0.345		mg/kg dry	0.345	0.287	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	< 0.345		mg/kg dry	0.345	0.232	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.345		mg/kg dry	0.345	0.306	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	< 0.345		mg/kg dry	0.345	0.250	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	< 0.345		mg/kg dry	0.345	0.258	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*61*			*40-140 %*			"	"	"	"	"	
84-15-1	*Ortho-Terphenyl*	*69*			*40-140 %*			"	"	"	"	"	
321-60-8	*2-Fluorobiphenyl*	*71*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.2**		%			1	SM2540 G Mod.	15-Aug-12	16-Aug-12	DT	1219576	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
South - 7'	12-4102	Soil	13-Aug-12 11:05	14-Aug-12
SB54456-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
EPH Aliphatic/Aromatic Ranges Prepared by method SW846 3545A													
	C9-C18 Aliphatic Hydrocarbons	< 13.0		mg/kg dry	13.0	1.91	1	MADEP EPH 5/2004 R	15-Aug-12	17-Aug-12	MP	1219540	
	C19-C36 Aliphatic Hydrocarbons	< 13.0		mg/kg dry	13.0	6.37	1	"	"	"	"	"	
	C11-C22 Aromatic Hydrocarbons	< 13.0		mg/kg dry	13.0	4.71	1	"	"	"	"	"	
	Unadjusted C11-C22 Aromatic Hydrocarbons	< 13.0		mg/kg dry	13.0	4.71	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 39.1		mg/kg dry	39.1	13.0	1	"	"	"	"	"	
	Unadjusted Total Petroleum Hydrocarbons	< 39.1		mg/kg dry	39.1	13.0	1	"	"	"	"	"	
EPH Target PAH Analytes Prepared by method SW846 3545A													
91-20-3	Naphthalene	< 0.433		mg/kg dry	0.433	0.227	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 0.433		mg/kg dry	0.433	0.227	1	"	"	"	"	"	
208-96-8	Acenaphthylene	< 0.433		mg/kg dry	0.433	0.254	1	"	"	"	"	"	
83-32-9	Acenaphthene	< 0.433		mg/kg dry	0.433	0.253	1	"	"	"	"	"	
86-73-7	Fluorene	< 0.433		mg/kg dry	0.433	0.256	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 0.433		mg/kg dry	0.433	0.295	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.433		mg/kg dry	0.433	0.321	1	"	"	"	"	"	
206-44-0	Fluoranthene	< 0.433		mg/kg dry	0.433	0.291	1	"	"	"	"	"	
129-00-0	Pyrene	< 0.433		mg/kg dry	0.433	0.313	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	< 0.433		mg/kg dry	0.433	0.314	1	"	"	"	"	"	
218-01-9	Chrysene	< 0.433		mg/kg dry	0.433	0.337	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	< 0.433		mg/kg dry	0.433	0.386	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	< 0.433		mg/kg dry	0.433	0.361	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	< 0.433		mg/kg dry	0.433	0.291	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.433		mg/kg dry	0.433	0.385	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	< 0.433		mg/kg dry	0.433	0.314	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	< 0.433		mg/kg dry	0.433	0.325	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*63*			*40-140 %*			"	"	"	"	"	
84-15-1	*Ortho-Terphenyl*	*66*			*40-140 %*			"	"	"	"	"	
321-60-8	*2-Fluorobiphenyl*	*79*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**76.6**		%			1	SM2540 G Mod.	15-Aug-12	16-Aug-12	DT	1219576	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East - 7' SB54456-03	12-4102	Soil	13-Aug-12 11:10	14-Aug-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
EPH Aliphatic/Aromatic Ranges Prepared by method SW846 3545A													
	C9-C18 Aliphatic Hydrocarbons	< 11.8		mg/kg dry	11.8	1.73	1	MADEP EPH 5/2004 R	15-Aug-12	17-Aug-12	MP	1219540	
	C19-C36 Aliphatic Hydrocarbons	< 11.8		mg/kg dry	11.8	5.76	1	"	"	"	"	"	
	C11-C22 Aromatic Hydrocarbons	< 11.8		mg/kg dry	11.8	4.26	1	"	"	"	"	"	
	Unadjusted C11-C22 Aromatic Hydrocarbons	< 11.8		mg/kg dry	11.8	4.26	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 35.3		mg/kg dry	35.3	11.8	1	"	"	"	"	"	
	Unadjusted Total Petroleum Hydrocarbons	< 35.3		mg/kg dry	35.3	11.8	1	"	"	"	"	"	
EPH Target PAH Analytes Prepared by method SW846 3545A													
91-20-3	Naphthalene	< 0.392		mg/kg dry	0.392	0.205	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 0.392		mg/kg dry	0.392	0.205	1	"	"	"	"	"	
208-96-8	Acenaphthylene	< 0.392		mg/kg dry	0.392	0.230	1	"	"	"	"	"	
83-32-9	Acenaphthene	< 0.392		mg/kg dry	0.392	0.229	1	"	"	"	"	"	
86-73-7	Fluorene	< 0.392		mg/kg dry	0.392	0.232	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 0.392		mg/kg dry	0.392	0.267	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.392		mg/kg dry	0.392	0.291	1	"	"	"	"	"	
206-44-0	Fluoranthene	< 0.392		mg/kg dry	0.392	0.263	1	"	"	"	"	"	
129-00-0	Pyrene	< 0.392		mg/kg dry	0.392	0.283	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	< 0.392		mg/kg dry	0.392	0.284	1	"	"	"	"	"	
218-01-9	Chrysene	< 0.392		mg/kg dry	0.392	0.305	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	< 0.392		mg/kg dry	0.392	0.350	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	< 0.392		mg/kg dry	0.392	0.327	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	< 0.392		mg/kg dry	0.392	0.264	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.392		mg/kg dry	0.392	0.349	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	< 0.392		mg/kg dry	0.392	0.284	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	< 0.392		mg/kg dry	0.392	0.294	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*63*			*40-140 %*			"	"	"	"	"	
84-15-1	*Ortho-Terphenyl*	*59*			*40-140 %*			"	"	"	"	"	
321-60-8	*2-Fluorobiphenyl*	*63*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**83.6**		%			1	SM2540 G Mod.	15-Aug-12	16-Aug-12	DT	1219576	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West - 7'	12-4102	Soil	13-Aug-12 11:15	14-Aug-12
SB54456-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
EPH Aliphatic/Aromatic Ranges Prepared by method SW846 3545A													
	C9-C18 Aliphatic Hydrocarbons	< 10.1		mg/kg dry	10.1	1.48	1	MADEP EPH 5/2004 R	15-Aug-12	17-Aug-12	MP	1219540	
	C19-C36 Aliphatic Hydrocarbons	< 10.1		mg/kg dry	10.1	4.93	1	"	"	"	"	"	
	C11-C22 Aromatic Hydrocarbons	< 10.1		mg/kg dry	10.1	3.65	1	"	"	"	"	"	
	Unadjusted C11-C22 Aromatic Hydrocarbons	< 10.1		mg/kg dry	10.1	3.65	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 30.2		mg/kg dry	30.2	10.1	1	"	"	"	"	"	
	Unadjusted Total Petroleum Hydrocarbons	< 30.2		mg/kg dry	30.2	10.1	1	"	"	"	"	"	
EPH Target PAH Analytes Prepared by method SW846 3545A													
91-20-3	Naphthalene	< 0.336		mg/kg dry	0.336	0.176	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 0.336		mg/kg dry	0.336	0.175	1	"	"	"	"	"	
208-96-8	Acenaphthylene	< 0.336		mg/kg dry	0.336	0.196	1	"	"	"	"	"	
83-32-9	Acenaphthene	< 0.336		mg/kg dry	0.336	0.196	1	"	"	"	"	"	
86-73-7	Fluorene	< 0.336		mg/kg dry	0.336	0.198	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 0.336		mg/kg dry	0.336	0.229	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.336		mg/kg dry	0.336	0.249	1	"	"	"	"	"	
206-44-0	Fluoranthene	< 0.336		mg/kg dry	0.336	0.225	1	"	"	"	"	"	
129-00-0	Pyrene	< 0.336		mg/kg dry	0.336	0.242	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	< 0.336		mg/kg dry	0.336	0.243	1	"	"	"	"	"	
218-01-9	Chrysene	< 0.336		mg/kg dry	0.336	0.261	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	< 0.336		mg/kg dry	0.336	0.299	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	< 0.336		mg/kg dry	0.336	0.280	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	< 0.336		mg/kg dry	0.336	0.226	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.336		mg/kg dry	0.336	0.298	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	< 0.336		mg/kg dry	0.336	0.243	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	< 0.336		mg/kg dry	0.336	0.251	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*67*			*40-140 %*			"	"	"	"	"	
84-15-1	*Ortho-Terphenyl*	*73*			*40-140 %*			"	"	"	"	"	
321-60-8	*2-Fluorobiphenyl*	*81*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.2**		%			1	SM2540 G Mod.	15-Aug-12	16-Aug-12	DT	1219576	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
North Base 10'	12-4102	Soil	13-Aug-12 11:20	14-Aug-12
SB54456-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
EPH Aliphatic/Aromatic Ranges Prepared by method SW846 3545A													
	C9-C18 Aliphatic Hydrocarbons	< 12.4		mg/kg dry	12.4	1.82	1	MADEP EPH 5/2004 R	15-Aug-12	17-Aug-12	MP	1219540	
	C19-C36 Aliphatic Hydrocarbons	< 12.4		mg/kg dry	12.4	6.07	1	"	"	"	"	"	
	C11-C22 Aromatic Hydrocarbons	< 12.4		mg/kg dry	12.4	4.49	1	"	"	"	"	"	
	Unadjusted C11-C22 Aromatic Hydrocarbons	< 12.4		mg/kg dry	12.4	4.49	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 37.2		mg/kg dry	37.2	12.4	1	"	"	"	"	"	
	Unadjusted Total Petroleum Hydrocarbons	< 37.2		mg/kg dry	37.2	12.4	1	"	"	"	"	"	
EPH Target PAH Analytes Prepared by method SW846 3545A													
91-20-3	Naphthalene	< 0.413		mg/kg dry	0.413	0.216	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 0.413		mg/kg dry	0.413	0.216	1	"	"	"	"	"	
208-96-8	Acenaphthylene	< 0.413		mg/kg dry	0.413	0.242	1	"	"	"	"	"	
83-32-9	Acenaphthene	< 0.413		mg/kg dry	0.413	0.241	1	"	"	"	"	"	
86-73-7	Fluorene	< 0.413		mg/kg dry	0.413	0.244	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 0.413		mg/kg dry	0.413	0.281	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.413		mg/kg dry	0.413	0.306	1	"	"	"	"	"	
206-44-0	Fluoranthene	< 0.413		mg/kg dry	0.413	0.277	1	"	"	"	"	"	
129-00-0	Pyrene	< 0.413		mg/kg dry	0.413	0.298	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	< 0.413		mg/kg dry	0.413	0.299	1	"	"	"	"	"	
218-01-9	Chrysene	< 0.413		mg/kg dry	0.413	0.321	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	< 0.413		mg/kg dry	0.413	0.368	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	< 0.413		mg/kg dry	0.413	0.344	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	< 0.413		mg/kg dry	0.413	0.278	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.413		mg/kg dry	0.413	0.367	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	< 0.413		mg/kg dry	0.413	0.299	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	< 0.413		mg/kg dry	0.413	0.310	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*50*			*40-140 %*			"	"	"	"	"	
84-15-1	*Ortho-Terphenyl*	*65*			*40-140 %*			"	"	"	"	"	
321-60-8	*2-Fluorobiphenyl*	*79*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**77.2**		%			1	SM2540 G Mod.	15-Aug-12	16-Aug-12	DT	1219576	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
South Base 10' SB54456-06	12-4102	Soil	13-Aug-12 11:25	14-Aug-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons													
EPH Aliphatic/Aromatic Ranges Prepared by method SW846 3545A													
	C9-C18 Aliphatic Hydrocarbons	< 10.1		mg/kg dry	10.1	1.48	1	MADEP EPH 5/2004 R	15-Aug-12	17-Aug-12	MP	1219540	
	C19-C36 Aliphatic Hydrocarbons	< 10.1		mg/kg dry	10.1	4.92	1	"	"	"	"	"	
	C11-C22 Aromatic Hydrocarbons	< 10.1		mg/kg dry	10.1	3.64	1	"	"	"	"	"	
	Unadjusted C11-C22 Aromatic Hydrocarbons	< 10.1		mg/kg dry	10.1	3.64	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 30.2		mg/kg dry	30.2	10.0	1	"	"	"	"	"	
	Unadjusted Total Petroleum Hydrocarbons	< 30.2		mg/kg dry	30.2	10.0	1	"	"	"	"	"	
EPH Target PAH Analytes Prepared by method SW846 3545A													
91-20-3	Naphthalene	< 0.335		mg/kg dry	0.335	0.175	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 0.335		mg/kg dry	0.335	0.175	1	"	"	"	"	"	
208-96-8	Acenaphthylene	< 0.335		mg/kg dry	0.335	0.196	1	"	"	"	"	"	
83-32-9	Acenaphthene	< 0.335		mg/kg dry	0.335	0.196	1	"	"	"	"	"	
86-73-7	Fluorene	< 0.335		mg/kg dry	0.335	0.198	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 0.335		mg/kg dry	0.335	0.228	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.335		mg/kg dry	0.335	0.248	1	"	"	"	"	"	
206-44-0	Fluoranthene	< 0.335		mg/kg dry	0.335	0.225	1	"	"	"	"	"	
129-00-0	Pyrene	< 0.335		mg/kg dry	0.335	0.242	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	< 0.335		mg/kg dry	0.335	0.243	1	"	"	"	"	"	
218-01-9	Chrysene	< 0.335		mg/kg dry	0.335	0.261	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	< 0.335		mg/kg dry	0.335	0.299	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	< 0.335		mg/kg dry	0.335	0.279	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	< 0.335		mg/kg dry	0.335	0.225	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.335		mg/kg dry	0.335	0.298	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	< 0.335		mg/kg dry	0.335	0.243	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	< 0.335		mg/kg dry	0.335	0.251	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*66*			*40-140 %*			"	"	"	"	"	
84-15-1	*Ortho-Terphenyl*	*73*			*40-140 %*			"	"	"	"	"	
321-60-8	*2-Fluorobiphenyl*	*74*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.6**		%			1	SM2540 G Mod.	15-Aug-12	16-Aug-12	DT	1219576	

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1219540 - SW846 3545A										
Blank (1219540-BLK1)						Prepared: 15-Aug-12 Analyzed: 16-Aug-12				
C9-C18 Aliphatic Hydrocarbons	< 10.0		mg/kg wet	10.0						
C19-C36 Aliphatic Hydrocarbons	< 10.0		mg/kg wet	10.0						
C11-C22 Aromatic Hydrocarbons	< 10.0		mg/kg wet	10.0						
Unadjusted C11-C22 Aromatic Hydrocarbons	< 10.0		mg/kg wet	10.0						
Total Petroleum Hydrocarbons	< 30.0		mg/kg wet	30.0						
Unadjusted Total Petroleum Hydrocarbons	< 30.0		mg/kg wet	30.0						
Naphthalene	< 0.333		mg/kg wet	0.333						
2-Methylnaphthalene	< 0.333		mg/kg wet	0.333						
Acenaphthylene	< 0.333		mg/kg wet	0.333						
Acenaphthene	< 0.333		mg/kg wet	0.333						
Fluorene	< 0.333		mg/kg wet	0.333						
Phenanthrene	< 0.333		mg/kg wet	0.333						
Anthracene	< 0.333		mg/kg wet	0.333						
Fluoranthene	< 0.333		mg/kg wet	0.333						
Pyrene	< 0.333		mg/kg wet	0.333						
Benzo (a) anthracene	< 0.333		mg/kg wet	0.333						
Chrysene	< 0.333		mg/kg wet	0.333						
Benzo (b) fluoranthene	< 0.333		mg/kg wet	0.333						
Benzo (k) fluoranthene	< 0.333		mg/kg wet	0.333						
Benzo (a) pyrene	< 0.333		mg/kg wet	0.333						
Indeno (1,2,3-cd) pyrene	< 0.333		mg/kg wet	0.333						
Dibenzo (a,h) anthracene	< 0.333		mg/kg wet	0.333						
Benzo (g,h,i) perylene	< 0.333		mg/kg wet	0.333						
n-Nonane (C9)	< 0.333		mg/kg wet	0.333						
n-Decane	< 0.333		mg/kg wet	0.333						
n-Dodecane	< 0.333		mg/kg wet	0.333						
n-Tetradecane	< 0.333		mg/kg wet	0.333						
n-Hexadecane	< 0.333		mg/kg wet	0.333						
n-Octadecane	< 0.333		mg/kg wet	0.333						
n-Nonadecane	< 0.333		mg/kg wet	0.333						
n-Eicosane	< 0.333		mg/kg wet	0.333						
n-Docosane	< 0.333		mg/kg wet	0.333						
n-Tetracosane	< 0.333		mg/kg wet	0.333						
n-Hexacosane	< 0.333		mg/kg wet	0.333						
n-Octacosane	< 0.333		mg/kg wet	0.333						
n-Triacontane	< 0.333		mg/kg wet	0.333						
n-Hexatriacontane	< 0.333		mg/kg wet	0.333						
Naphthalene (aliphatic fraction)	**0.00**		mg/kg wet							
2-Methylnaphthalene (aliphatic fraction)	**0.00**		mg/kg wet							
Surrogate: 1-Chlorooctadecane	*3.06*		mg/kg wet		*3.33*		*92*	*40-140*		
Surrogate: Ortho-Terphenyl	*2.79*		mg/kg wet		*3.33*		*84*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*2.11*		mg/kg wet		*2.67*		*79*	*40-140*		
LCS (1219540-BS1)						Prepared: 15-Aug-12 Analyzed: 16-Aug-12				
C9-C18 Aliphatic Hydrocarbons	**33.1**		mg/kg wet	10.0	40.0		83	40-140		
C19-C36 Aliphatic Hydrocarbons	**51.6**		mg/kg wet	10.0	53.3		97	40-140		
C11-C22 Aromatic Hydrocarbons	**88.0**		mg/kg wet	10.0	113		78	40-140		
Naphthalene	**4.19**		mg/kg wet	0.333	6.67		63	40-140		
2-Methylnaphthalene	**4.28**		mg/kg wet	0.333	6.67		64	40-140		
Acenaphthylene	**4.65**		mg/kg wet	0.333	6.67		70	40-140		
Acenaphthene	**4.82**		mg/kg wet	0.333	6.67		72	40-140		
Fluorene	**5.08**		mg/kg wet	0.333	6.67		76	40-140		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1219540 - SW846 3545A										
LCS (1219540-BS1)						Prepared: 15-Aug-12 Analyzed: 16-Aug-12				
Phenanthrene	**5.44**		mg/kg wet	0.333	6.67		82	40-140		
Anthracene	**4.50**		mg/kg wet	0.333	6.67		68	40-140		
Fluoranthene	**5.67**		mg/kg wet	0.333	6.67		85	40-140		
Pyrene	**5.61**		mg/kg wet	0.333	6.67		84	40-140		
Benzo (a) anthracene	**6.31**		mg/kg wet	0.333	6.67		95	40-140		
Chrysene	**5.93**		mg/kg wet	0.333	6.67		89	40-140		
Benzo (b) fluoranthene	**7.61**		mg/kg wet	0.333	6.67		114	40-140		
Benzo (k) fluoranthene	**5.77**		mg/kg wet	0.333	6.67		87	40-140		
Benzo (a) pyrene	**6.13**		mg/kg wet	0.333	6.67		92	40-140		
Indeno (1,2,3-cd) pyrene	**7.22**		mg/kg wet	0.333	6.67		108	40-140		
Dibenzo (a,h) anthracene	**7.50**		mg/kg wet	0.333	6.67		112	40-140		
Benzo (g,h,i) perylene	**6.83**		mg/kg wet	0.333	6.67		102	40-140		
n-Nonane (C9)	**2.21**		mg/kg wet	0.333	6.67		33	30-140		
n-Decane	**3.10**		mg/kg wet	0.333	6.67		46	40-140		
n-Dodecane	**3.77**		mg/kg wet	0.333	6.67		56	40-140		
n-Tetradecane	**4.13**		mg/kg wet	0.333	6.67		62	40-140		
n-Hexadecane	**4.61**		mg/kg wet	0.333	6.67		69	40-140		
n-Octadecane	**4.92**		mg/kg wet	0.333	6.67		74	40-140		
n-Nonadecane	**5.05**		mg/kg wet	0.333	6.67		76	40-140		
n-Eicosane	**5.16**		mg/kg wet	0.333	6.67		77	40-140		
n-Docosane	**5.29**		mg/kg wet	0.333	6.67		79	40-140		
n-Tetracosane	**5.16**		mg/kg wet	0.333	6.67		77	40-140		
n-Hexacosane	**5.37**		mg/kg wet	0.333	6.67		80	40-140		
n-Octacosane	**5.43**		mg/kg wet	0.333	6.67		81	40-140		
n-Triacontane	**5.32**		mg/kg wet	0.333	6.67		80	40-140		
n-Hexatriacontane	**5.31**		mg/kg wet	0.333	6.67		80	40-140		
Naphthalene (aliphatic fraction)	**0.00**		mg/kg wet					0-200		
2-Methylnaphthalene (aliphatic fraction)	**0.00**		mg/kg wet					0-200		
Surrogate: 1-Chlorooctadecane	*2.74*		mg/kg wet		*3.33*		*82*	*40-140*		
Surrogate: Ortho-Terphenyl	*2.80*		mg/kg wet		*3.33*		*84*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*1.91*		mg/kg wet		*2.67*		*72*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
LCS (1219540-BS2)						Prepared: 15-Aug-12 Analyzed: 16-Aug-12				
C9-C18 Aliphatic Hydrocarbons	**27.2**		mg/kg wet	10.0	40.0		68	40-140		
C19-C36 Aliphatic Hydrocarbons	**40.3**		mg/kg wet	10.0	53.3		75	40-140		
C11-C22 Aromatic Hydrocarbons	**81.3**		mg/kg wet	10.0	113		72	40-140		
Naphthalene	**4.22**		mg/kg wet	0.333	6.67		63	40-140		
2-Methylnaphthalene	**4.48**		mg/kg wet	0.333	6.67		67	40-140		
Acenaphthylene	**5.10**		mg/kg wet	0.333	6.67		76	40-140		
Acenaphthene	**5.37**		mg/kg wet	0.333	6.67		80	40-140		
Fluorene	**5.91**		mg/kg wet	0.333	6.67		89	40-140		
Phenanthrene	**6.59**		mg/kg wet	0.333	6.67		99	40-140		
Anthracene	**6.18**		mg/kg wet	0.333	6.67		93	40-140		
Fluoranthene	**6.71**		mg/kg wet	0.333	6.67		101	40-140		
Pyrene	**6.45**		mg/kg wet	0.333	6.67		97	40-140		
Benzo (a) anthracene	**6.60**		mg/kg wet	0.333	6.67		99	40-140		
Chrysene	**7.06**		mg/kg wet	0.333	6.67		106	40-140		
Benzo (b) fluoranthene	**6.49**		mg/kg wet	0.333	6.67		97	40-140		
Benzo (k) fluoranthene	**6.98**		mg/kg wet	0.333	6.67		105	40-140		
Benzo (a) pyrene	**6.22**		mg/kg wet	0.333	6.67		93	40-140		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1219540 - SW846 3545A										
LCS (1219540-BS2)					Prepared: 15-Aug-12 Analyzed: 16-Aug-12					
Indeno (1,2,3-cd) pyrene	**6.52**		mg/kg wet	0.333	6.67		98	40-140		
Dibenzo (a,h) anthracene	**6.33**		mg/kg wet	0.333	6.67		95	40-140		
Benzo (g,h,i) perylene	**6.37**		mg/kg wet	0.333	6.67		96	40-140		
n-Nonane (C9)	**3.35**		mg/kg wet	0.333	6.67		50	30-140		
n-Decane	**3.80**		mg/kg wet	0.333	6.67		57	40-140		
n-Dodecane	**4.12**		mg/kg wet	0.333	6.67		62	40-140		
n-Tetradecane	**4.61**		mg/kg wet	0.333	6.67		69	40-140		
n-Hexadecane	**5.09**		mg/kg wet	0.333	6.67		76	40-140		
n-Octadecane	**5.36**		mg/kg wet	0.333	6.67		80	40-140		
n-Nonadecane	**5.37**		mg/kg wet	0.333	6.67		80	40-140		
n-Eicosane	**5.46**		mg/kg wet	0.333	6.67		82	40-140		
n-Docosane	**5.38**		mg/kg wet	0.333	6.67		81	40-140		
n-Tetracosane	**5.32**		mg/kg wet	0.333	6.67		80	40-140		
n-Hexacosane	**5.27**		mg/kg wet	0.333	6.67		79	40-140		
n-Octacosane	**5.32**		mg/kg wet	0.333	6.67		80	40-140		
n-Triacontane	**5.13**		mg/kg wet	0.333	6.67		77	40-140		
n-Hexatriacontane	**5.11**		mg/kg wet	0.333	6.67		77	40-140		
Naphthalene (aliphatic fraction)	**0.00**		mg/kg wet					0-200		
2-Methylnaphthalene (aliphatic fraction)	**0.00**		mg/kg wet					0-200		
Surrogate: 1-Chlorooctadecane	*2.59*		mg/kg wet		*3.33*		*78*	*40-140*		
Surrogate: Ortho-Terphenyl	*3.11*		mg/kg wet		*3.33*		*93*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*2.01*		mg/kg wet		*2.67*		*75*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		
LCS Dup (1219540-BSD1)					Prepared: 15-Aug-12 Analyzed: 16-Aug-12					
C9-C18 Aliphatic Hydrocarbons	**27.2**		mg/kg wet	10.0	40.0		68	40-140	19	25
C19-C36 Aliphatic Hydrocarbons	**45.5**		mg/kg wet	10.0	53.3		85	40-140	13	25
C11-C22 Aromatic Hydrocarbons	**84.0**		mg/kg wet	10.0	113		74	40-140	5	25
Naphthalene	**4.15**		mg/kg wet	0.333	6.67		62	40-140	0.9	25
2-Methylnaphthalene	**4.21**		mg/kg wet	0.333	6.67		63	40-140	2	25
Acenaphthylene	**4.57**		mg/kg wet	0.333	6.67		68	40-140	2	25
Acenaphthene	**4.78**		mg/kg wet	0.333	6.67		72	40-140	0.9	25
Fluorene	**4.98**		mg/kg wet	0.333	6.67		75	40-140	2	25
Phenanthrene	**5.24**		mg/kg wet	0.333	6.67		79	40-140	4	25
Anthracene	**4.55**		mg/kg wet	0.333	6.67		68	40-140	1	25
Fluoranthene	**5.46**		mg/kg wet	0.333	6.67		82	40-140	4	25
Pyrene	**5.34**		mg/kg wet	0.333	6.67		80	40-140	5	25
Benzo (a) anthracene	**6.15**		mg/kg wet	0.333	6.67		92	40-140	3	25
Chrysene	**5.81**		mg/kg wet	0.333	6.67		87	40-140	2	25
Benzo (b) fluoranthene	**7.43**		mg/kg wet	0.333	6.67		111	40-140	2	25
Benzo (k) fluoranthene	**5.49**		mg/kg wet	0.333	6.67		82	40-140	5	25
Benzo (a) pyrene	**5.86**		mg/kg wet	0.333	6.67		88	40-140	4	25
Indeno (1,2,3-cd) pyrene	**6.76**		mg/kg wet	0.333	6.67		101	40-140	7	25
Dibenzo (a,h) anthracene	**7.09**		mg/kg wet	0.333	6.67		106	40-140	6	25
Benzo (g,h,i) perylene	**6.36**		mg/kg wet	0.333	6.67		95	40-140	7	25
n-Nonane (C9)	**2.03**		mg/kg wet	0.333	6.67		31	30-140	8	25
n-Decane	**2.80**		mg/kg wet	0.333	6.67		42	40-140	10	25
n-Dodecane	**3.16**		mg/kg wet	0.333	6.67		47	40-140	18	25
n-Tetradecane	**3.56**		mg/kg wet	0.333	6.67		53	40-140	15	25
n-Hexadecane	**4.02**		mg/kg wet	0.333	6.67		60	40-140	14	25
n-Octadecane	**4.26**		mg/kg wet	0.333	6.67		64	40-140	14	25

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1219540 - SW846 3545A										
LCS Dup (1219540-BSD1)					Prepared: 15-Aug-12 Analyzed: 16-Aug-12					
n-Nonadecane	**4.39**		mg/kg wet	0.333	6.67		66	40-140	14	25
n-Eicosane	**4.49**		mg/kg wet	0.333	6.67		67	40-140	14	25
n-Docosane	**4.59**		mg/kg wet	0.333	6.67		69	40-140	14	25
n-Tetracosane	**4.58**		mg/kg wet	0.333	6.67		69	40-140	12	25
n-Hexacosane	**4.84**		mg/kg wet	0.333	6.67		73	40-140	10	25
n-Octacosane	**5.01**		mg/kg wet	0.333	6.67		75	40-140	8	25
n-Triacontane	**4.95**		mg/kg wet	0.333	6.67		74	40-140	7	25
n-Hexatriacontane	**5.00**		mg/kg wet	0.333	6.67		75	40-140	6	25
Naphthalene (aliphatic fraction)	**0.00**		mg/kg wet					0-200		200
2-Methylnaphthalene (aliphatic fraction)	**0.00**		mg/kg wet					0-200		200
Surrogate: 1-Chlorooctadecane	*2.30*		mg/kg wet		*3.33*		*69*	*40-140*		
Surrogate: Ortho-Terphenyl	*2.73*		mg/kg wet		*3.33*		*82*	*40-140*		
Surrogate: 2-Fluorobiphenyl	*1.61*		mg/kg wet		*2.67*		*61*	*40-140*		
Naphthalene Breakthrough	0.00		%					0-5		
2-Methylnaphthalene Breakthrough	0.00		%					0-5		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S209964					
Calibration Check (S209964-CCV1)					
C9-C18 Aliphatic Hydrocarbons	2.557144E+08	2.224351E+08	9.0		25
C19-C36 Aliphatic Hydrocarbons	5.59904E+08	2.558748E+08	1.2		25
Unadjusted C11-C22 Aromatic Hydrocarbons	22.17512	20.51955	11.8		25
Naphthalene	7.258543	8.093898	11.5		25
2-Methylnaphthalene	4.76615	5.311852	11.4		25
Acenaphthylene	6.810231	7.651347	12.4		25
Acenaphthene	4.210833	4.72346	12.2		25
Fluorene	4.827248	5.357309	11.0		25
Phenanthrene	6.943465	7.413964	6.8		25
Anthracene	7.088063	7.58638	7.0		25
Fluoranthene	7.06524	7.173007	1.5		25
Pyrene	7.361301	7.601011	3.3		25
Benzo (a) anthracene	5.507767	5.996315	8.9		25
Chrysene	6.052463	5.953003	-1.6		25
Benzo (b) fluoranthene	3.652889	4.610249		#	25
Benzo (k) fluoranthene	5.942598	6.013172	1.2		25
Benzo (a) pyrene	4.48997	5.015591	11.7		25
Indeno (1,2,3-cd) pyrene	4.643774	5.540196	19.3		25
Dibenzo (a,h) anthracene	3.722184	4.617605	24.1		25
Benzo (g,h,i) perylene	4.131872	4.862703	17.7		25
n-Nonane (C9)	224649.8	207570	-7.6		30
n-Decane	217347.9	206752.8	-4.9		25
n-Dodecane	209433.4	206382.4	-1.5		25
n-Tetradecane	220227.4	207603.2	-5.7		25
n-Hexadecane	223904.5	205664.8	-8.1		25
n-Octadecane	225935.8	201295.2	-10.9		25
n-Nonadecane	224179.8	197861.4	-11.7		25
n-Eicosane	219525	193155.8	-12.0		25
n-Docosane	214310.3	190295.9	-11.2		25
n-Tetracosane	210165.5	184659.4	-12.1		25
n-Hexacosane	206434.6	185232.9	-10.3		25
n-Octacosane	197716.6	180720	-8.6		25
n-Triacontane	200499.8	179814	-10.3		25
n-Hexatriacontane	191686.8	173494.1	-9.5		25

Notes and Definitions

dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A Matrix Spike and Matrix Spike Duplicate (MS/MSD) for MADEP EPH CAM may not have been analyzed with the samples in this work order. According to the method these spikes are performed only when requested by the client. If requested the spike recoveries are included in the batch QC data.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

1 SB54456

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 8/17/12
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To:
New England Environmental, Inc.
15 Research Drive
Amherst, MA 01002
Telephone #: 413-256-0202
Project Mgr. Lyons Witten

Invoice To: samw
P.O. No.: _____ RQN: _____

Project No.: 12-4102
Site Name: Fort River School
Location: Amherst State: MA
Sampler(s): JAH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☒ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

						Containers:				Analyses:	
Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	EPH	
54456-01	North-7'	8/13/12	11:00 AM	G	SO		1			X	
02	South-7'		11:05 AM				1			X	
03	East-7'		11:10 AM				1			X	
04	West-7'		11:15 AM				1			X	
05	North Base 10'		11:20 AM				1			X	
06	South Base 10'		11:25 AM				1			X	

Relinquished by:	Received by:	Date:	Time:	Temp°C
J Harris	T. Bender	8/14/12	10:25	—
T. Bender	Canyack	8/14/12	13:00	1.8

☐ EDD Format _____
☒ E-mail to lwitten@neeinc.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

1 SB54456

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
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- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To:
New England Environmental, Inc.
15 Research Drive
Amherst, MA 01002
Telephone #: 413-256-0202
Project Mgr. Lyons Witten

Invoice To: samw
P.O. No.: _____ RQN: _____

Project No.: 12-4102
Site Name: Fort River School
Location: Amherst State: MA
Sampler(s): JAH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=_____ 11=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☒ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: EPH
54456-01	North-7'	8/13/12	11:00 AM	G	SO		1			X
02	South-7'		11:05 AM				1			X
03	East-7'		11:10 AM				1			X
04	West-7'		11:15 AM				1			X
05	North Base 10'		11:20 AM				1			X
06	South Base 10'		11:25 AM				1			X

Relinquished by:	Received by:	Date:	Time:	Temp°C
J Harris	T. Bender	8/14/12	10:25	—
T. Bender	Canyack	8/14/12	13:00	1.8

☐ EDD Format _____
☒ E-mail to lwitten@neeinc.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

New England Environmental
Environmental Consulting
15 Research Drive
Amherst MA 01002
(p) 413.658.2056
(f) 413. 256. 1092

www.neeinc.com

ERIS

HISTORICAL AERIALS

Project Property: Fort River Elementary School
70 South East Street
Amherst MA 01002

Project No: 2936-05-01

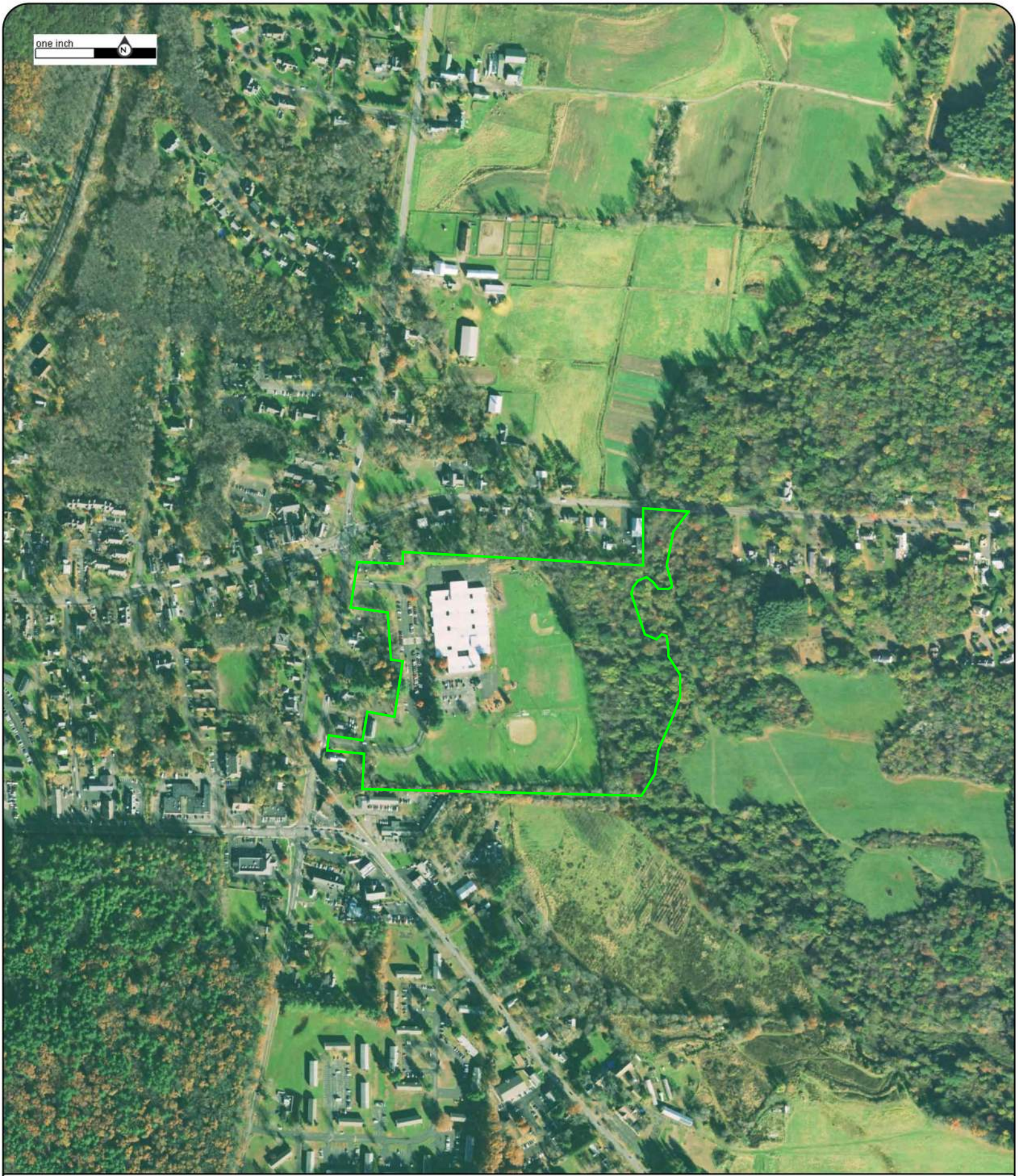
Requested By: O'Reilly, Talbot & Okun Associates, Inc.

Order No: 21121700085

Date Completed: December 20,2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2018	United States Departments of Agriculture	1" = 500'	
2016	United States Departments of Agriculture	1" = 500'	
2014	United States Departments of Agriculture	1" = 500'	
2012	United States Departments of Agriculture	1" = 500'	
2010	United States Departments of Agriculture	1" = 500'	
2008	United States Departments of Agriculture	1" = 500'	
2006	United States Departments of Agriculture	1" = 500'	
2004	United States Departments of Agriculture	1" = 500'	
1998	United States Geologial Survey	1" = 500'	Adjacent Frame Unavailable
1981	United States Geologial Survey	1" = 500'	
1975	United States Geologial Survey	1" = 500'	Best Copy Available
1970	United States Geologial Survey	1" = 500'	
1962	United States Geologial Survey	1" = 500'	Best Copy Available

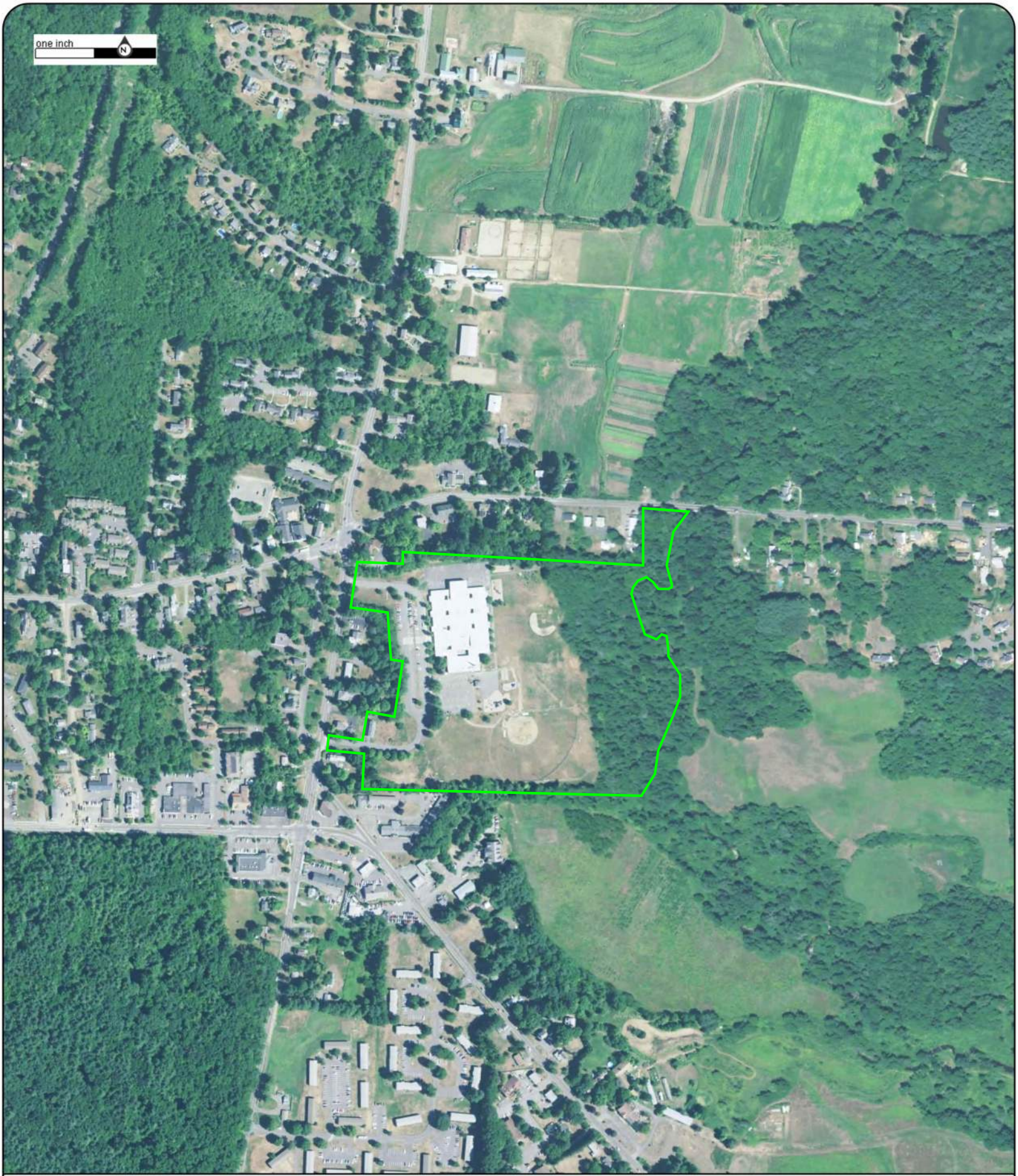


Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

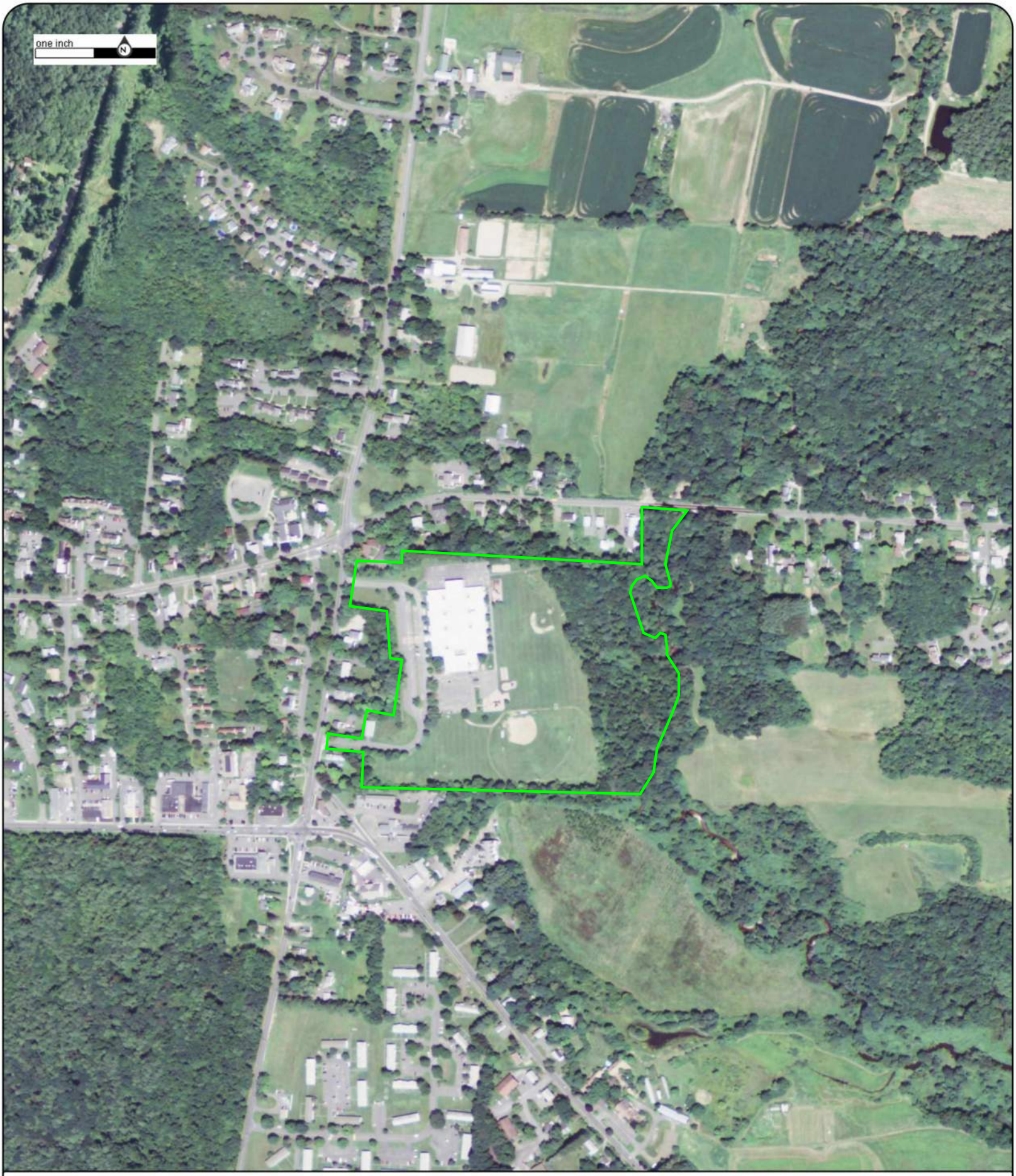


Year: 2016
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

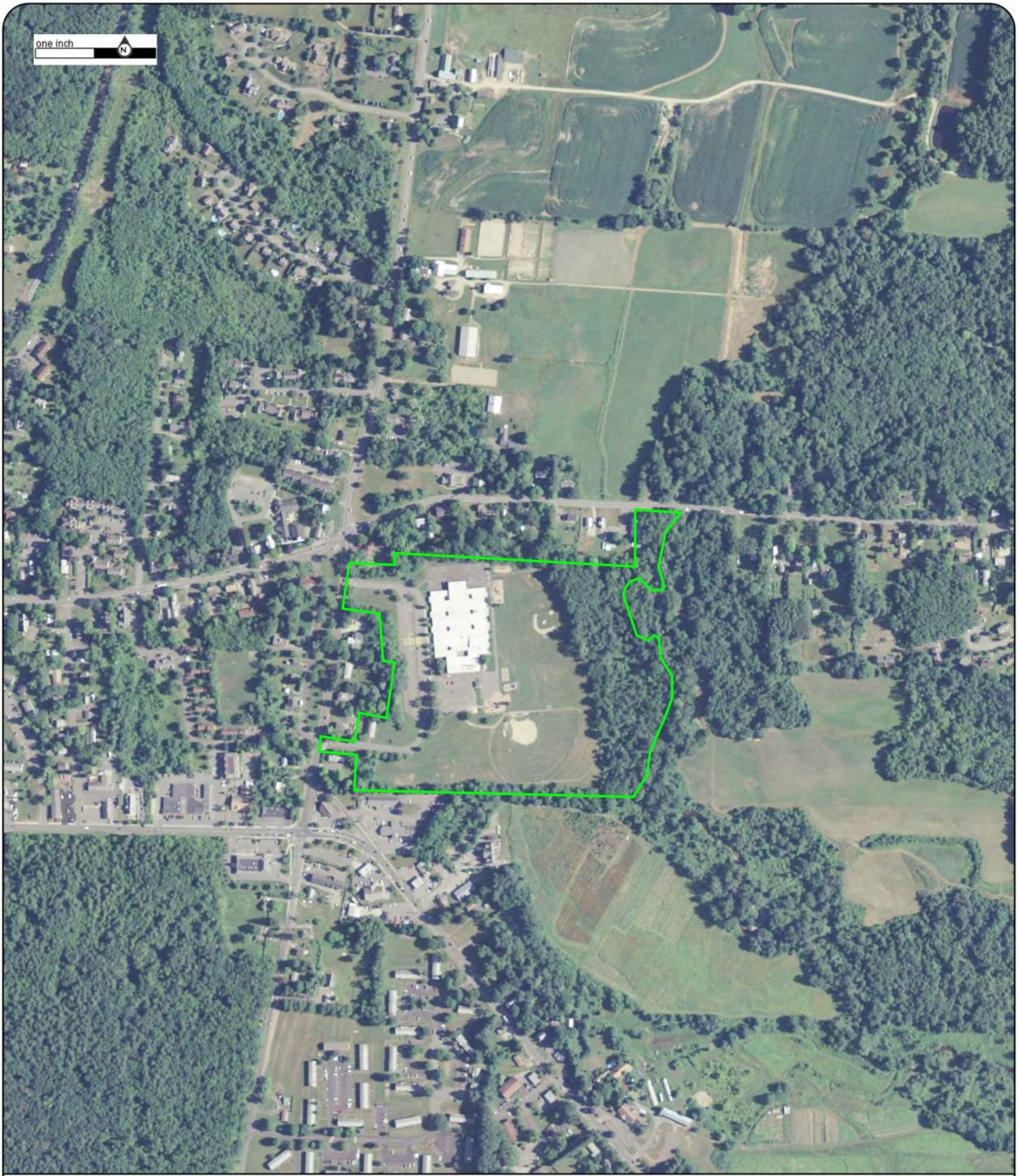


Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

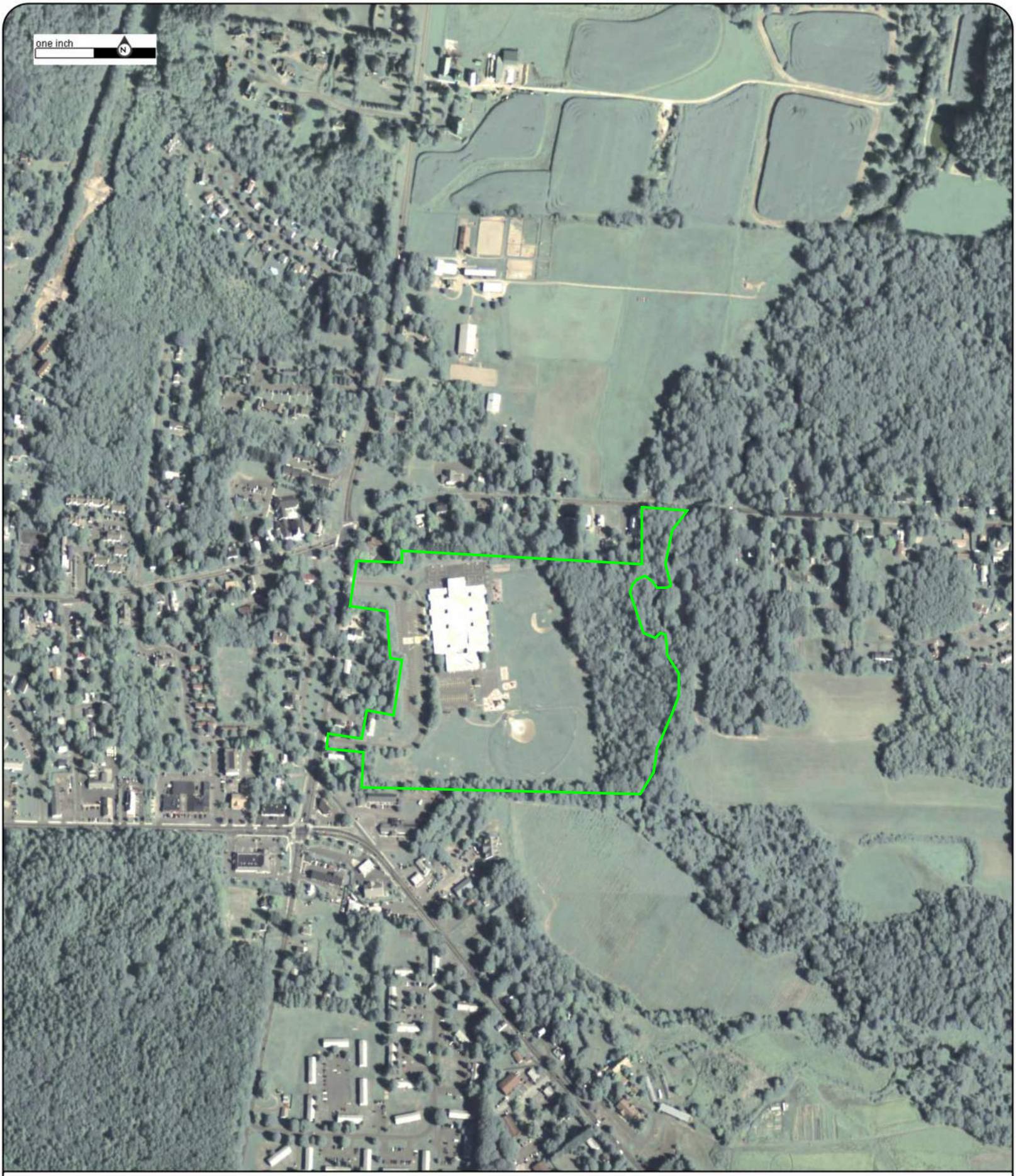


Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

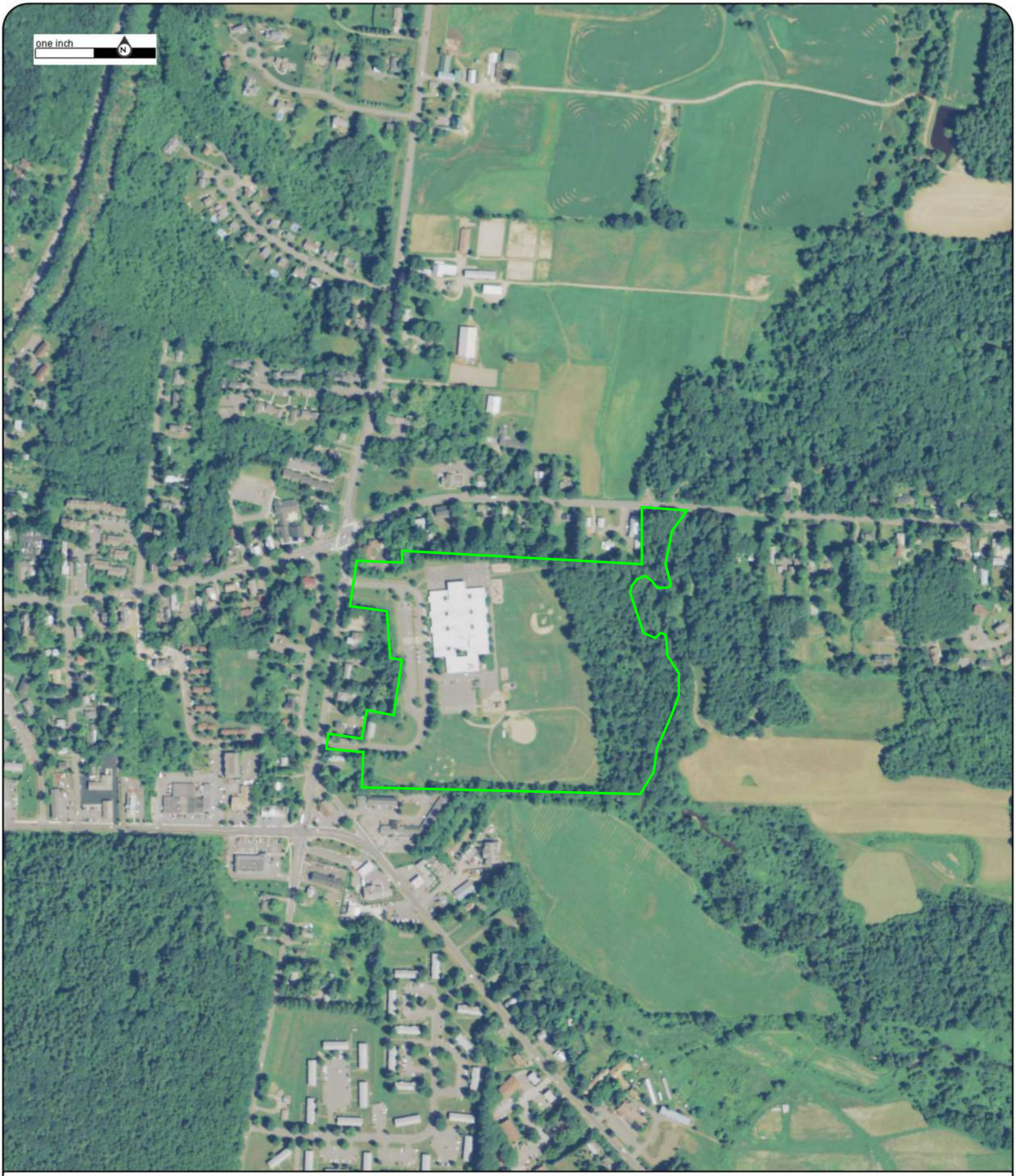


Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

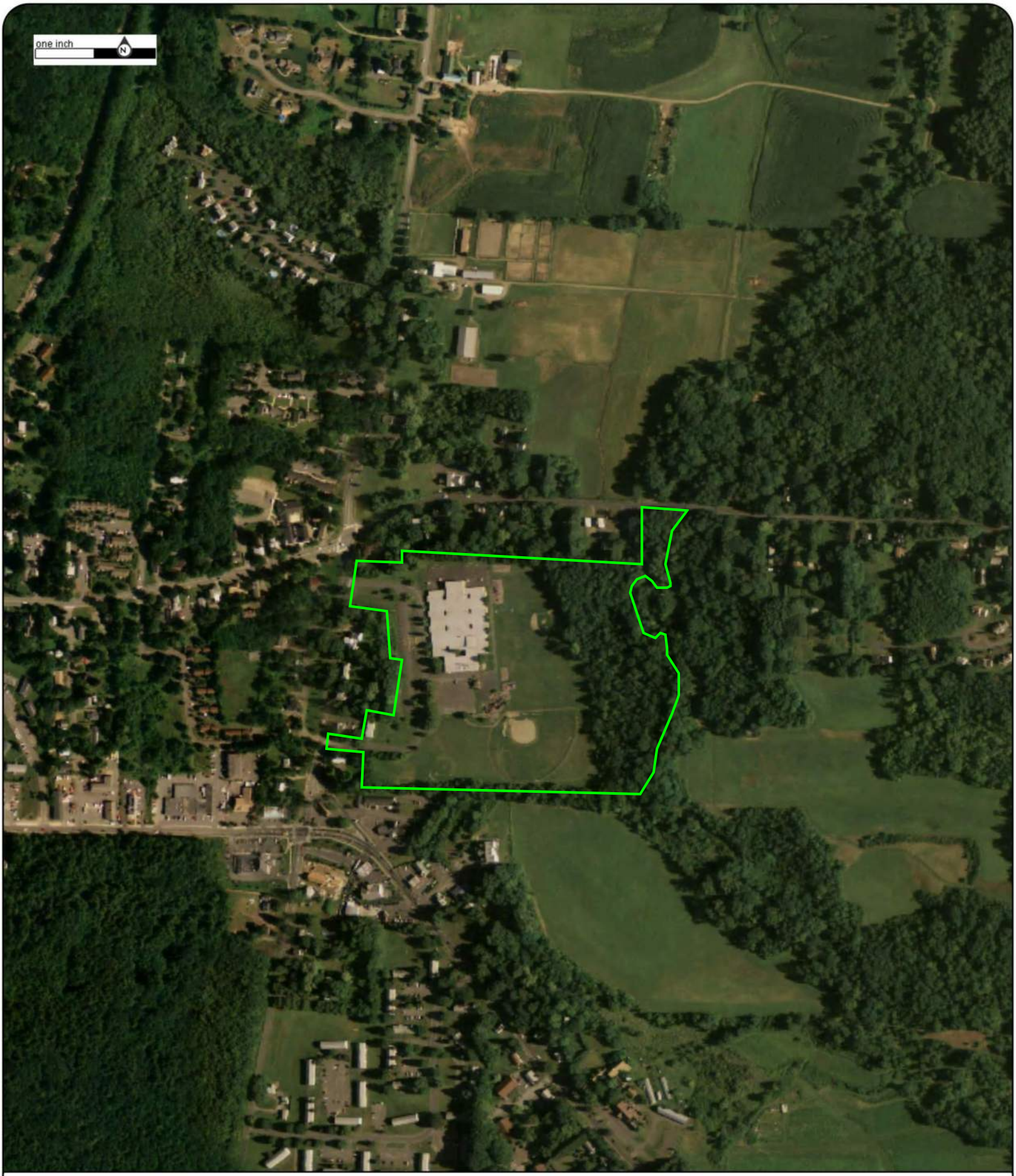


Year: 2008
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

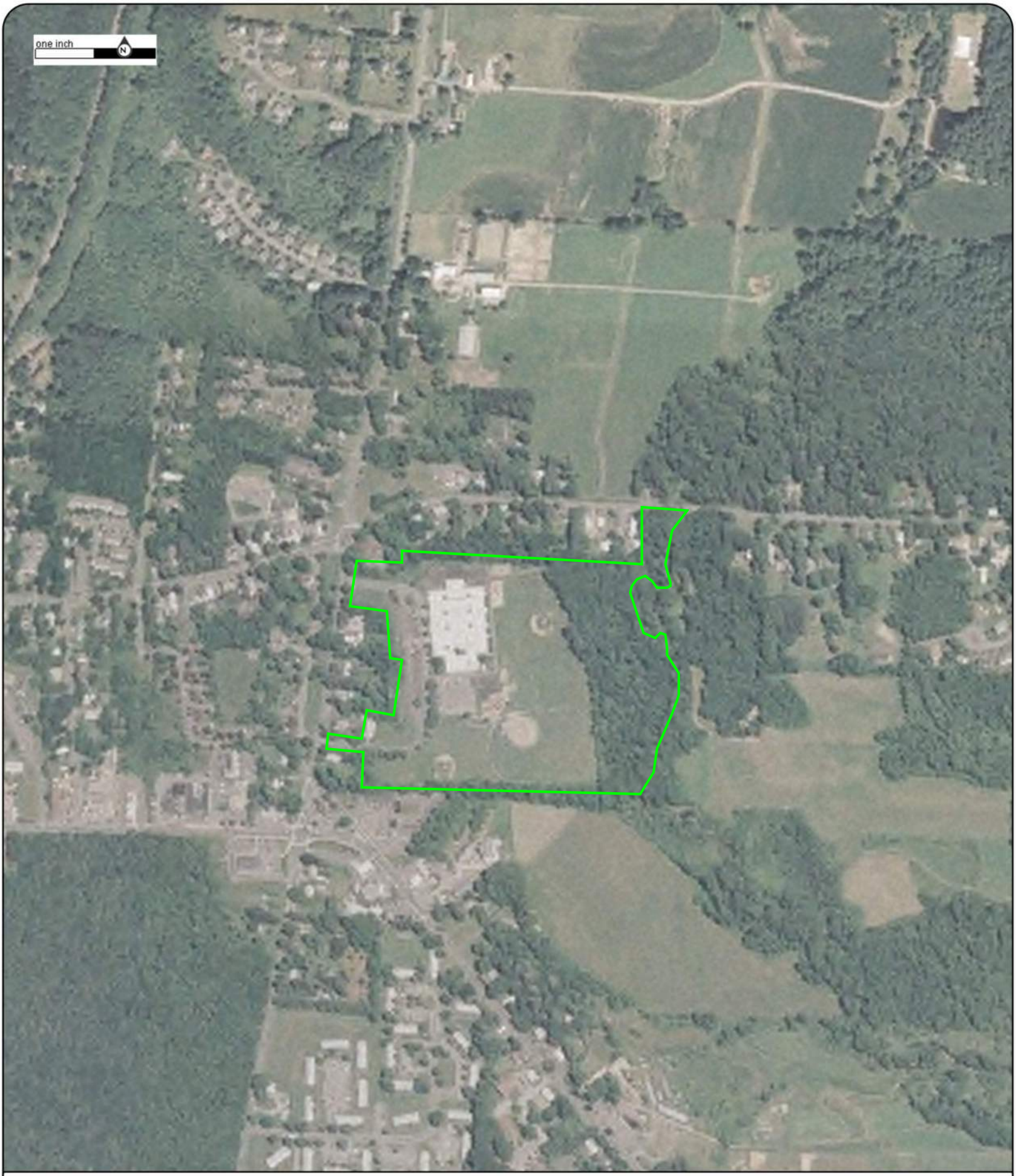


Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS



Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

one inch

Year: 1998
Source: USGS
Scale: 1" = 500'
Comment: Adjacent Frame Unavailable

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

Year: 1981
Source: USGS
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

Year: 1975
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

Year: 1970
Source: USGS
Scale: 1" = 500'
Comment:

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

Year: 1962
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 70 South East Street, Amherst, MA
Approx Center: -72.49771398,42.37478576

Order No: 21121700085

ERIS

ERIS

FIRE INSURANCE MAPS

Project Property:	Fort River Elementary School 70 South East Street Amherst MA 01002
Project No:	2936-05-01
Requested By:	O'Reilly, Talbot & Okun Associates, Inc.
Order No:	21121700085
Date Completed:	December 19, 2021

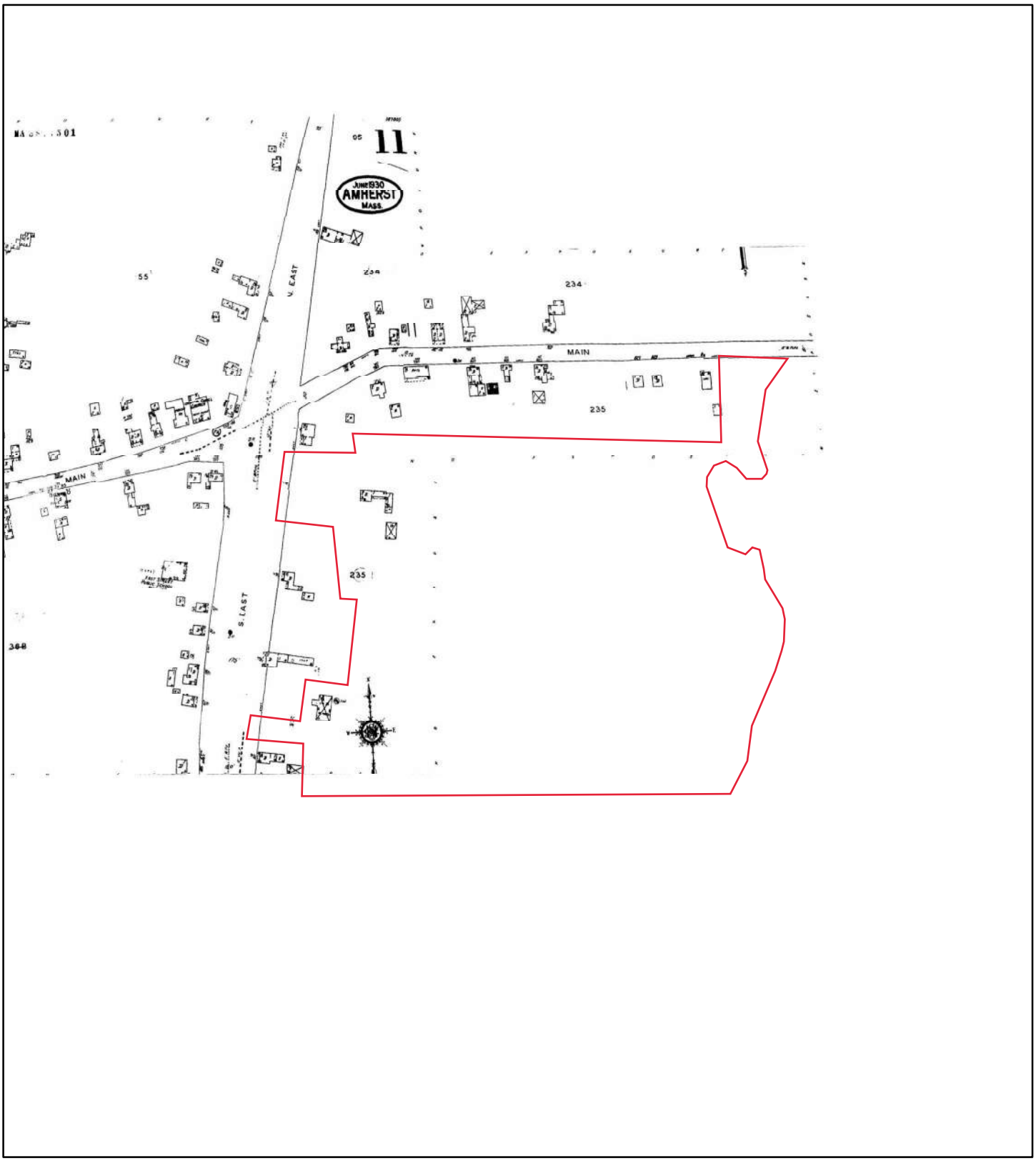
Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjuction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1950	Amherst	Massachusetts		11
1930	Amherst	Massachusetts		11
1916	Amherst	Massachusetts		10, 7
1910	Amherst	Massachusetts		15

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

Fire Insurance Map



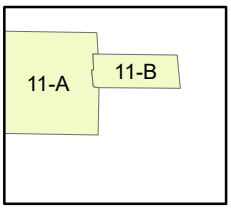
1950

Address: 70 South East Street Amherst MA 01002

N

0 180 360 720 1,080 1,440

Feet

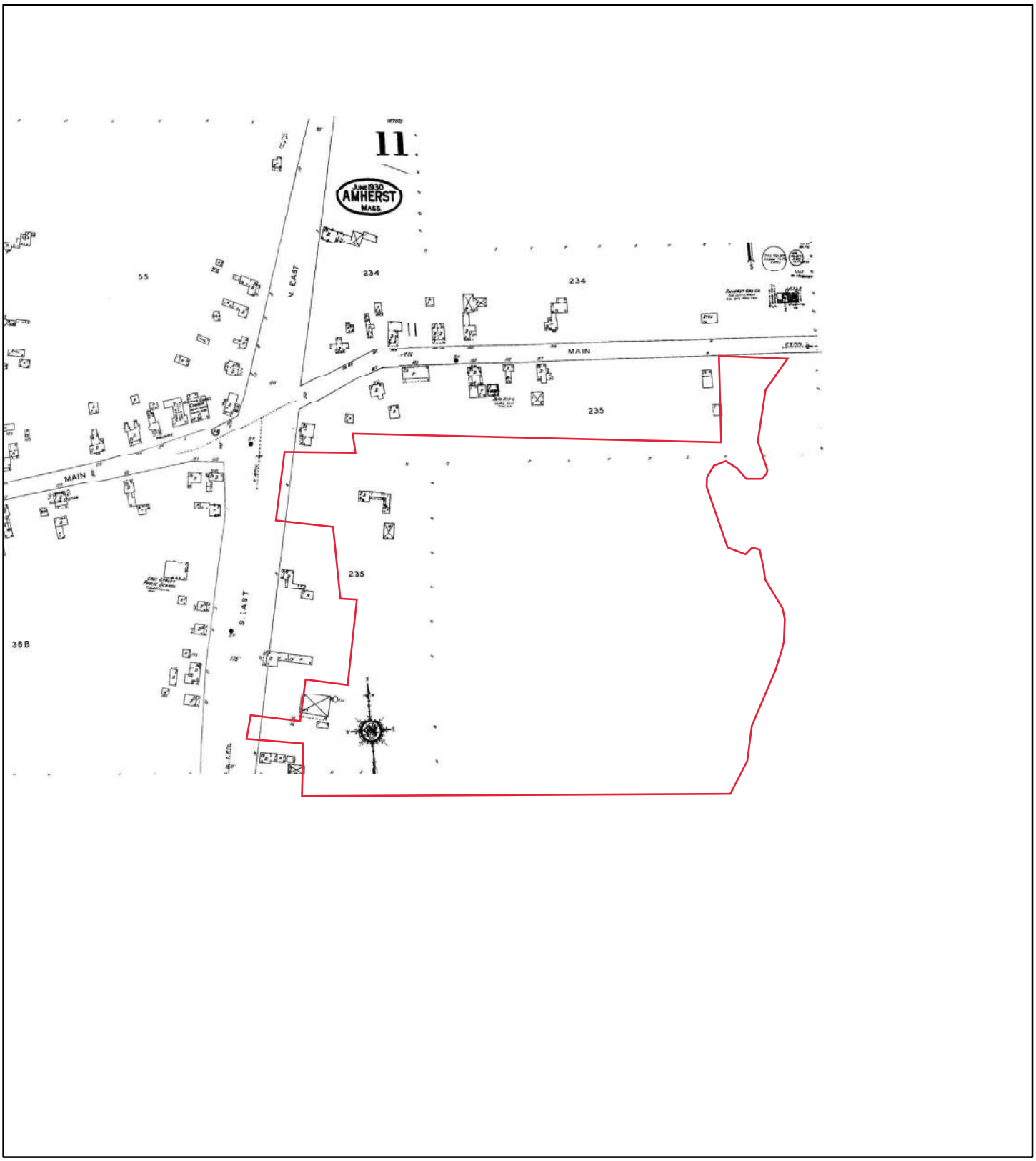


Map sheet(s):
Volume NA: 11;

Order Number 21121700085

ERIS

Fire Insurance Map

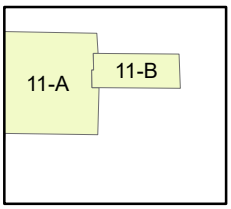


1930

Address: 70 South East Street Amherst MA 01002

0 180 360 720 1,080 1,440

Feet

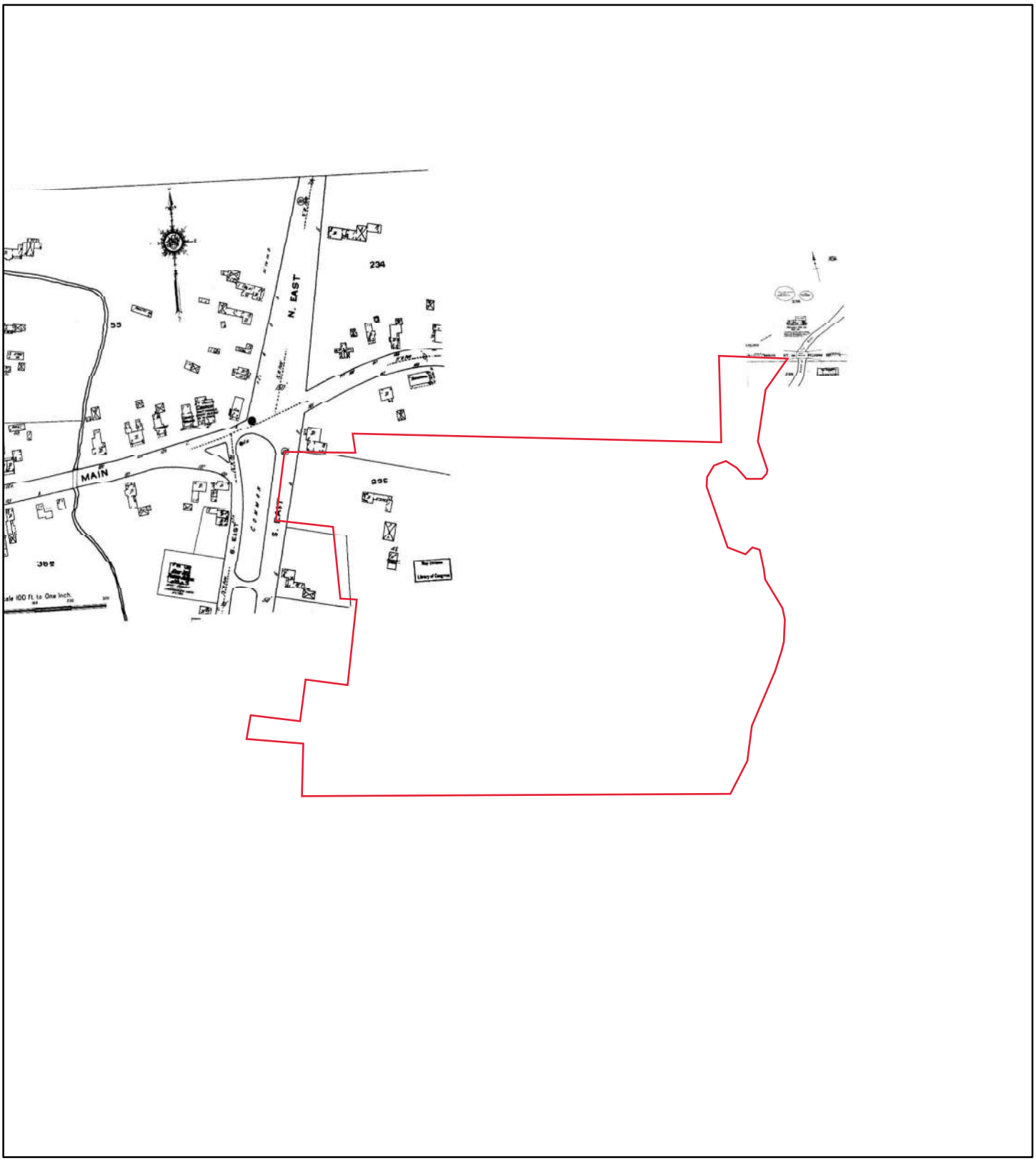


Map sheet(s):
Volume NA: 11;

Order Number 21121700085

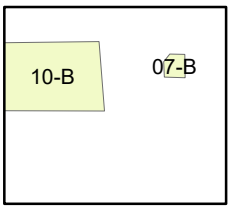
ERIS

Fire Insurance Map



1916

Address: 70 South East Street Amherst MA 01002



Map sheet(s):
Volume NA: 10,7;

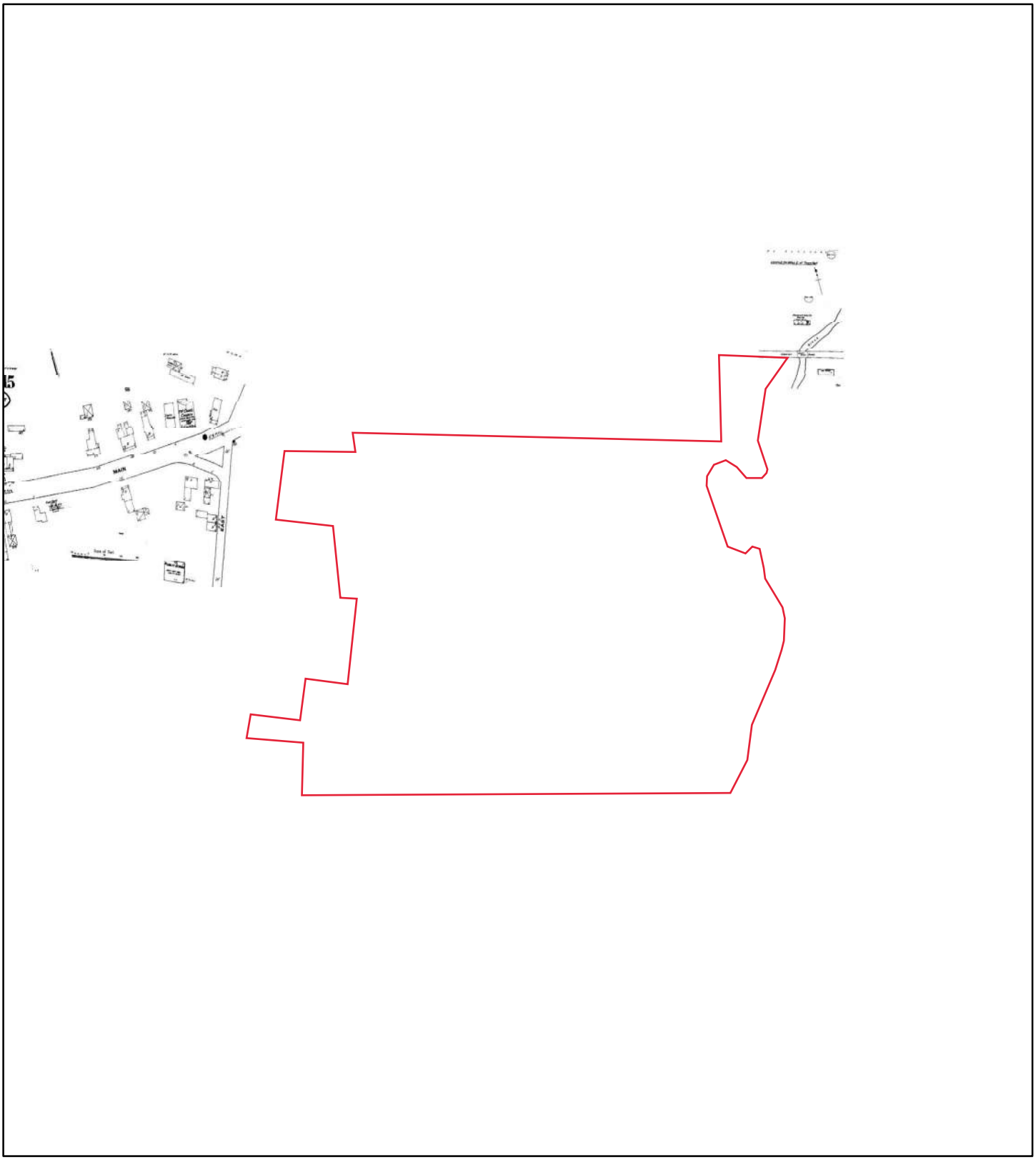
N

0 180 360 720 1,080 1,440
Feet

Order Number 21121700085

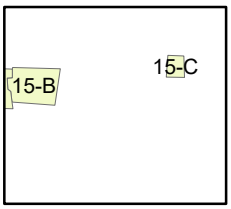
ERIS

Fire Insurance Map



1910

Address: 70 South East Street Amherst MA 01002



Map sheet(s):
Volume NA: 15;

N

0 180 360 720 1,080 1,440
Feet

Order Number 21121700085

ERIS

TOPOGRAPHIC MAPS

Project Property:	Fort River Elementary School 70 South East Street Amherst MA 01002
Project No:	2936-05-01
Requested By:	O'Reilly, Talbot & Okun Associates, Inc.
Order No:	21121700085
Date Completed:	December 19, 2021

Environmental Risk Information Services
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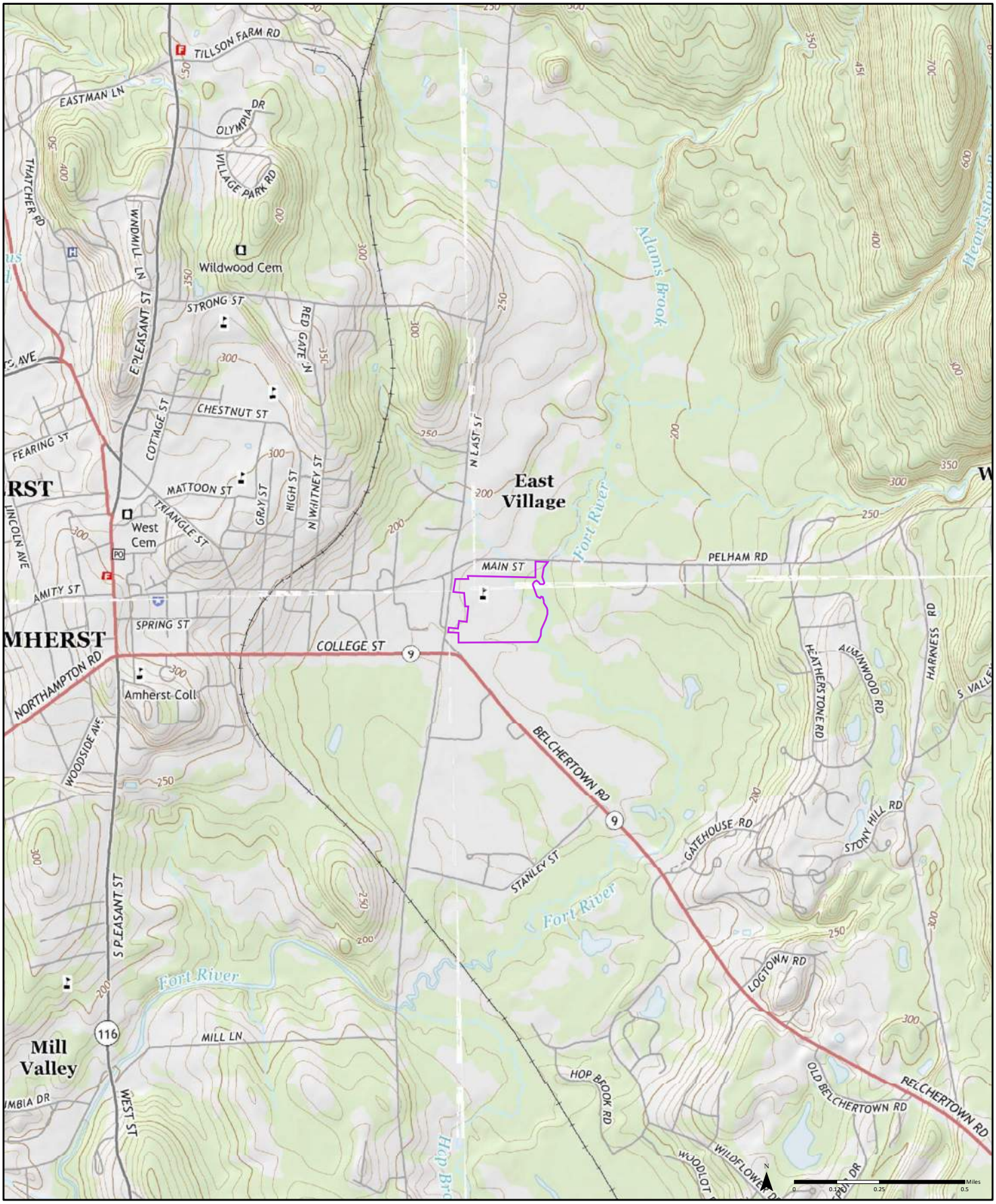
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1979	7.5
1975	7.5
1971	7.5
1964	7.5
1955	7.5
1950	7.5
1949	7.5
1948	7.5
1947	7.5
1944	7.5
1943	7.5
1942	7.5
1941	7.5
1935	7.5
1895	15
1893	15
1891	15
1890	15
1886	15

Topographic Map Symbology for the maps may be available in the following documents:
Pre-1947
Page 223 of 1918 Topographic Instructions
Page 130 of 1928 Topographic Instructions
1947-2009
Topographic Map Symbols
2009-present
US Topo Map Symbols

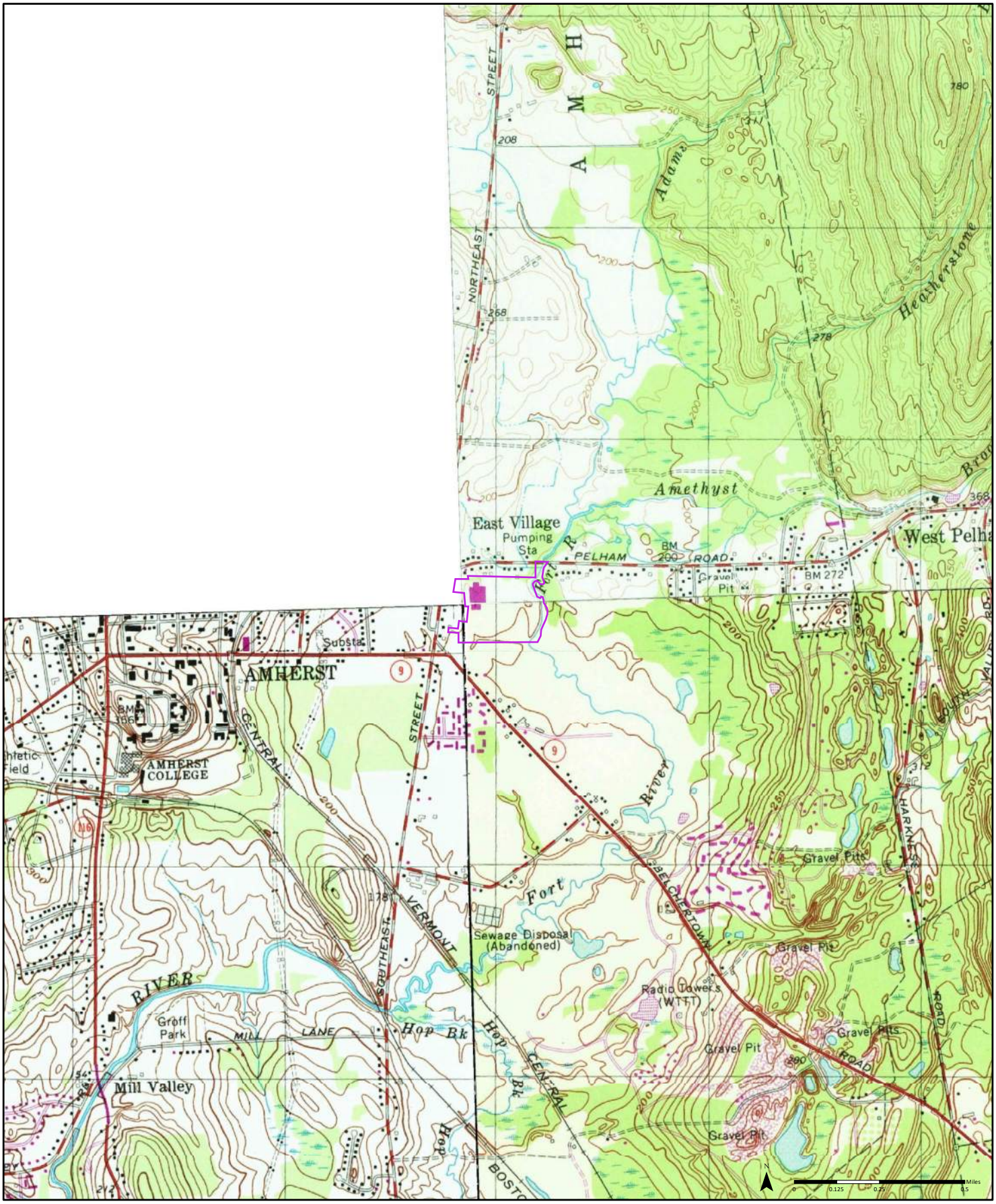


2015

Quadrangle(s): Mount Holyoke, MA; Shutesbury, MA; Belchertown, MA; Mount Toby, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map



1979

(1) *Aerial Photo Year: 1975*
Photo Revision Year: 1979

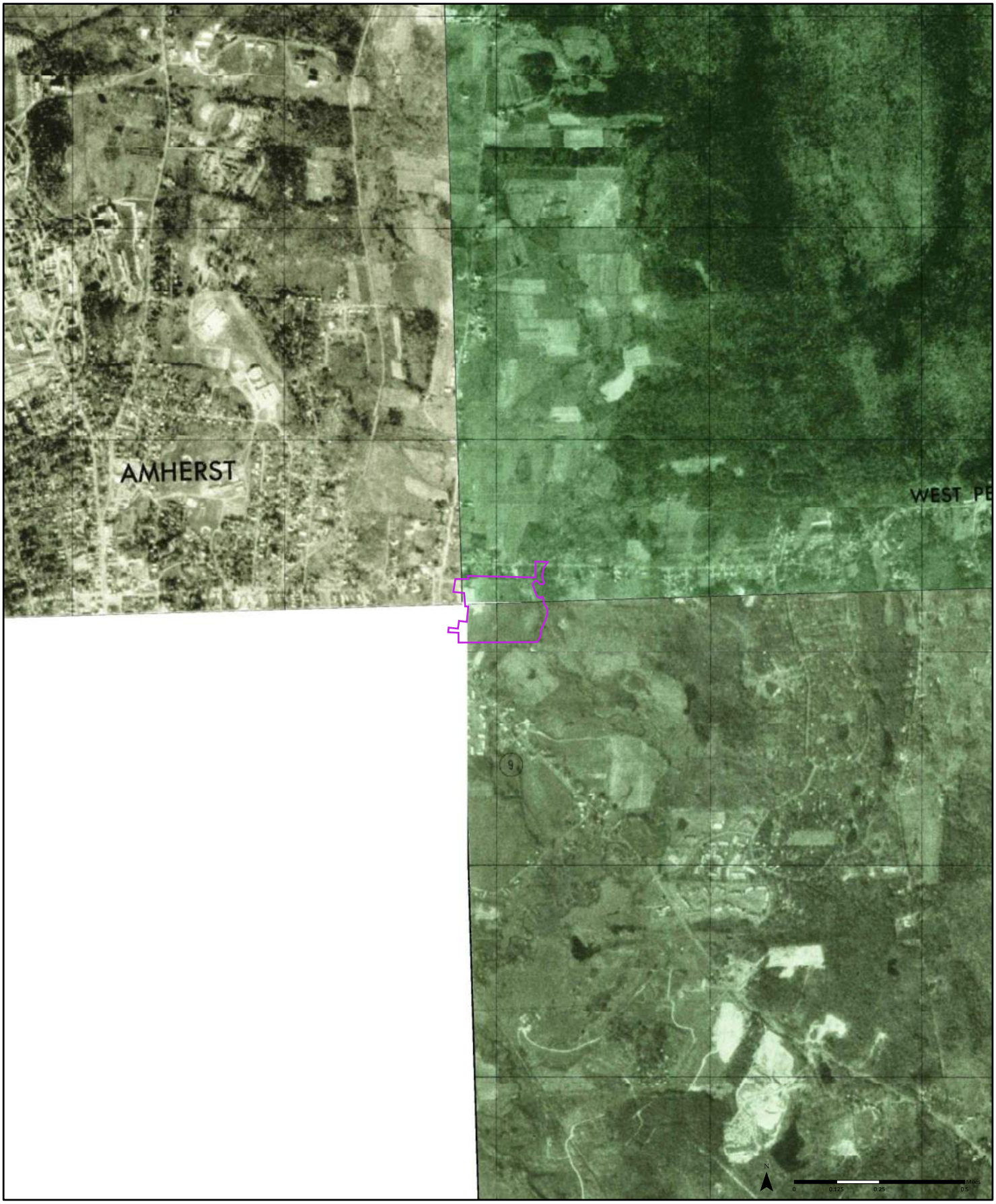
(2) *Aerial Photo Year: 1976*
Photo Revision Year: 1979

(3) *Aerial Photo Year: 1975*
Photo Revision Year: 1979

Quadrangle(s): Belchertown, MA(1); Mt Holyoke, MA(2); Shutesbury, MA(3)

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

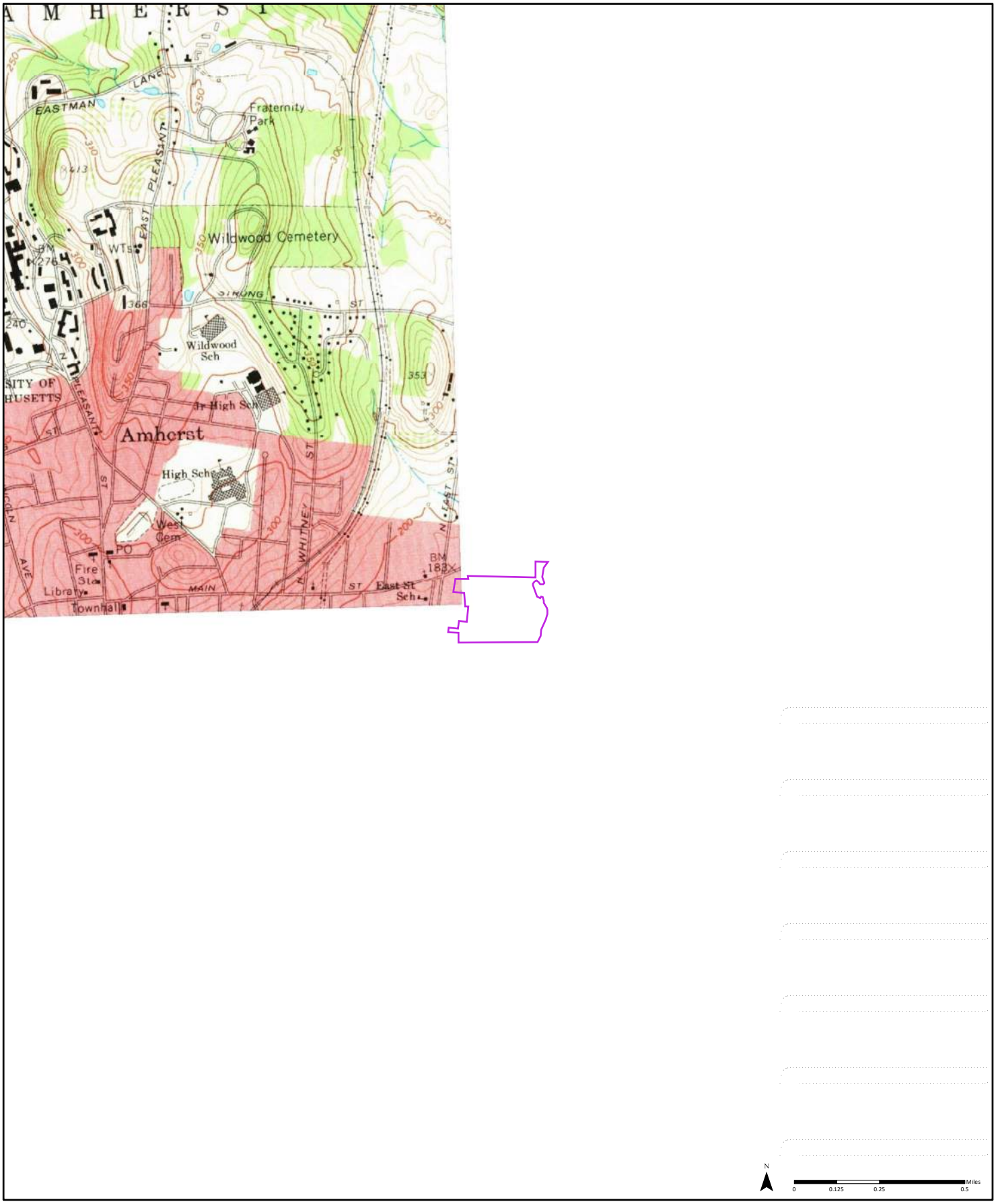


1975 (1) *Aerial Photo Year: 1975* (2) *Aerial Photo Year: 1975* (3) *Aerial Photo Year: 1975*

Quadrangle(s): Shutesbury, MA(1); Mt Toby, MA(2); Belchertown, MA(3) Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

ERIS

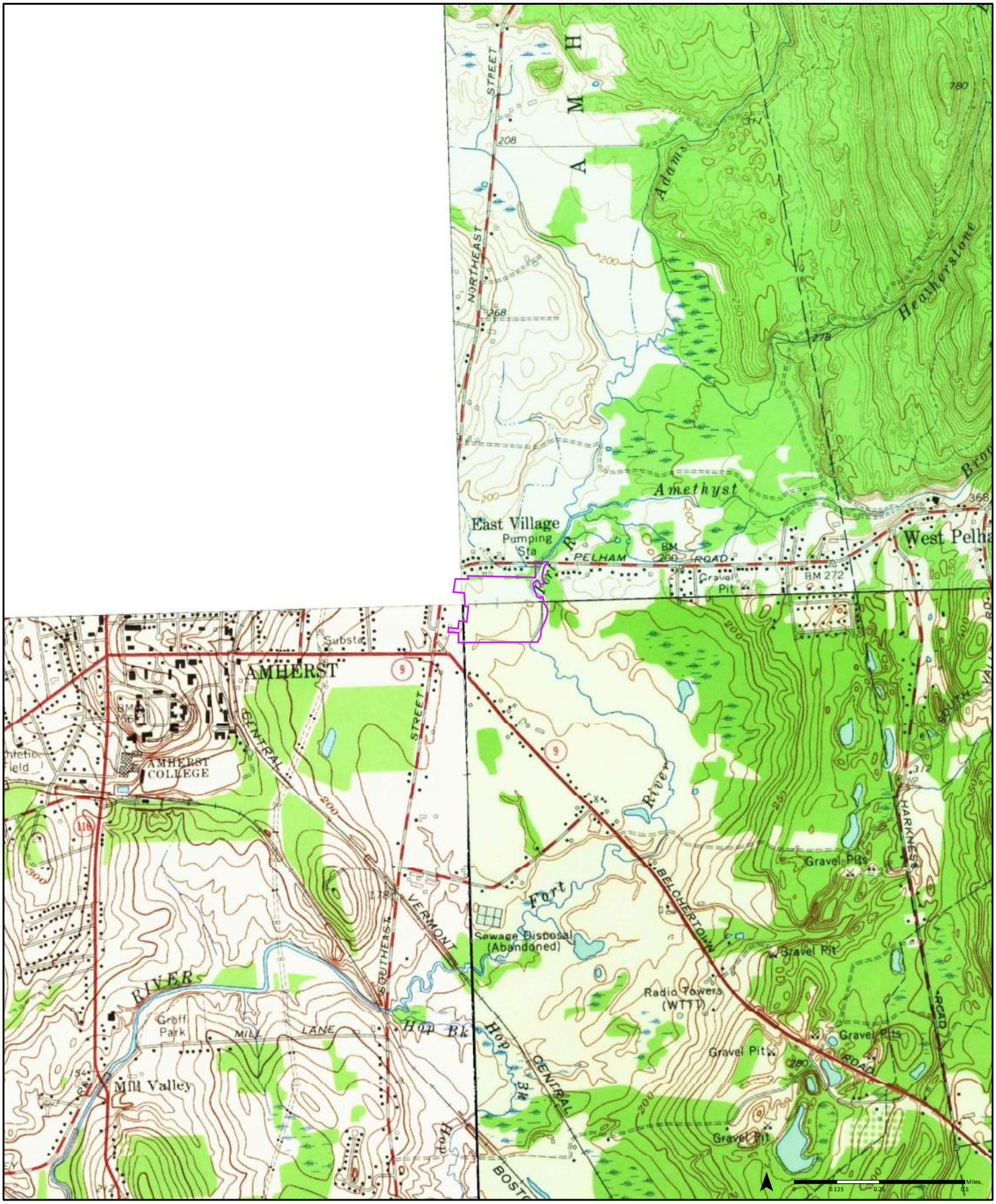


1971 [1] *Aerial Photo Year: 1970*

Quadrangle(s): Mt Toby, MA[1]

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

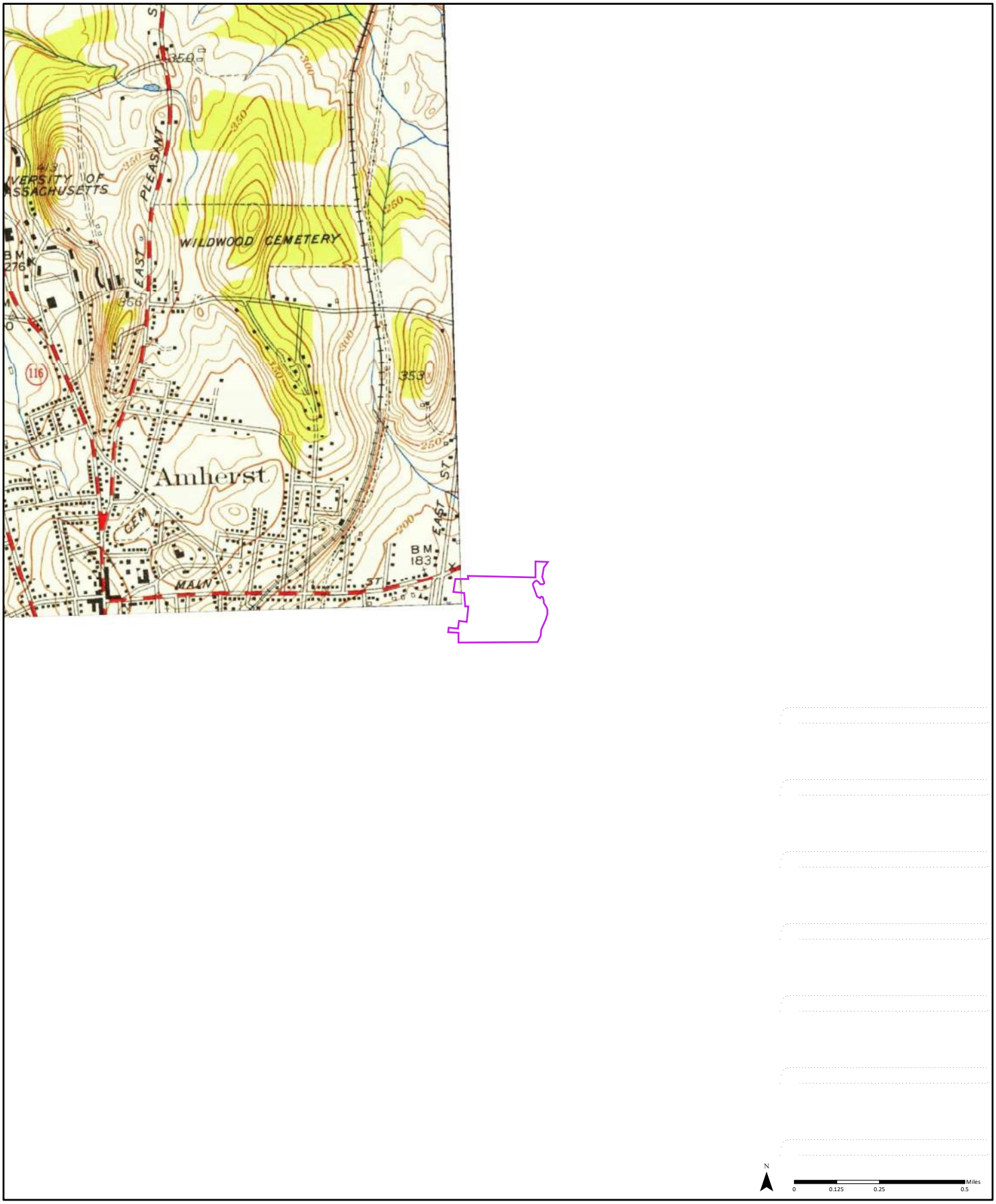


1964

Quadrangle(s): Belchertown, MA; Mt Holyoke, MA; Shutesbury, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

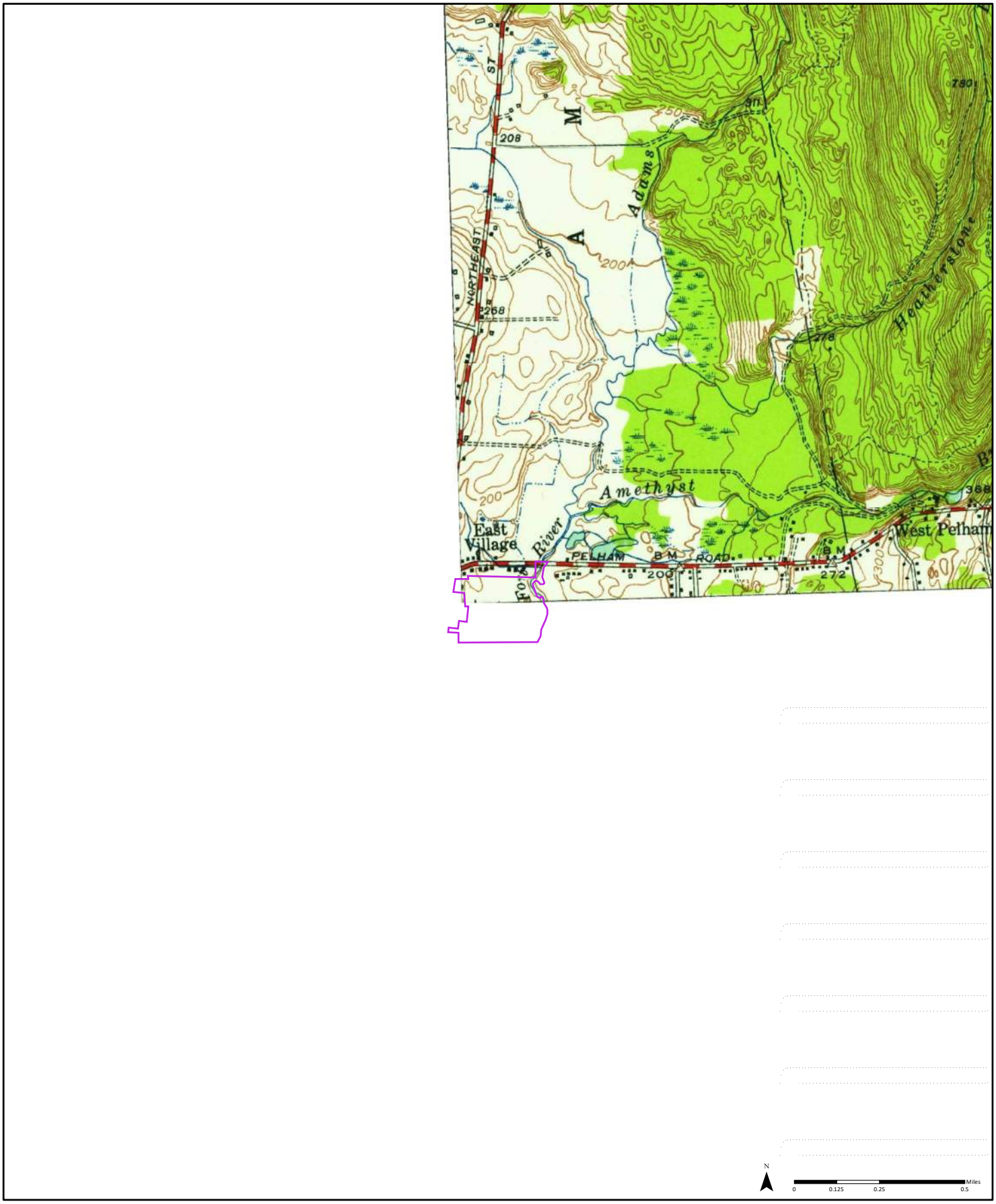


1955

Quadrangle(s): Mt Toby, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

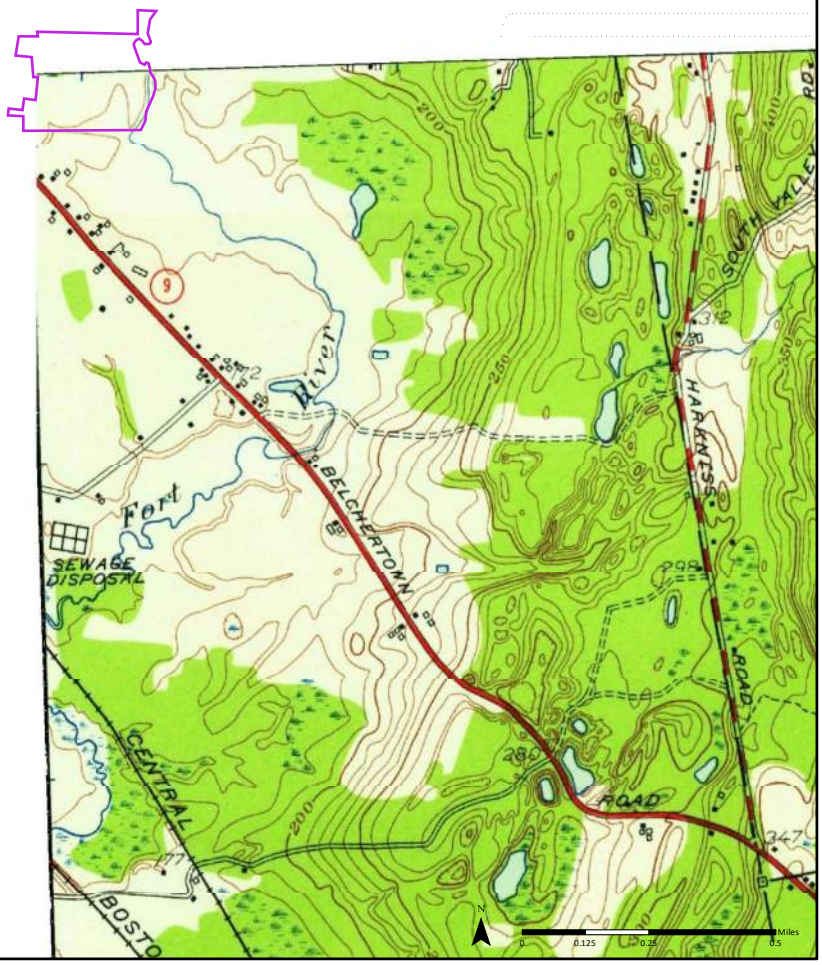


1950

Quadrangle(s): Shutesbury, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

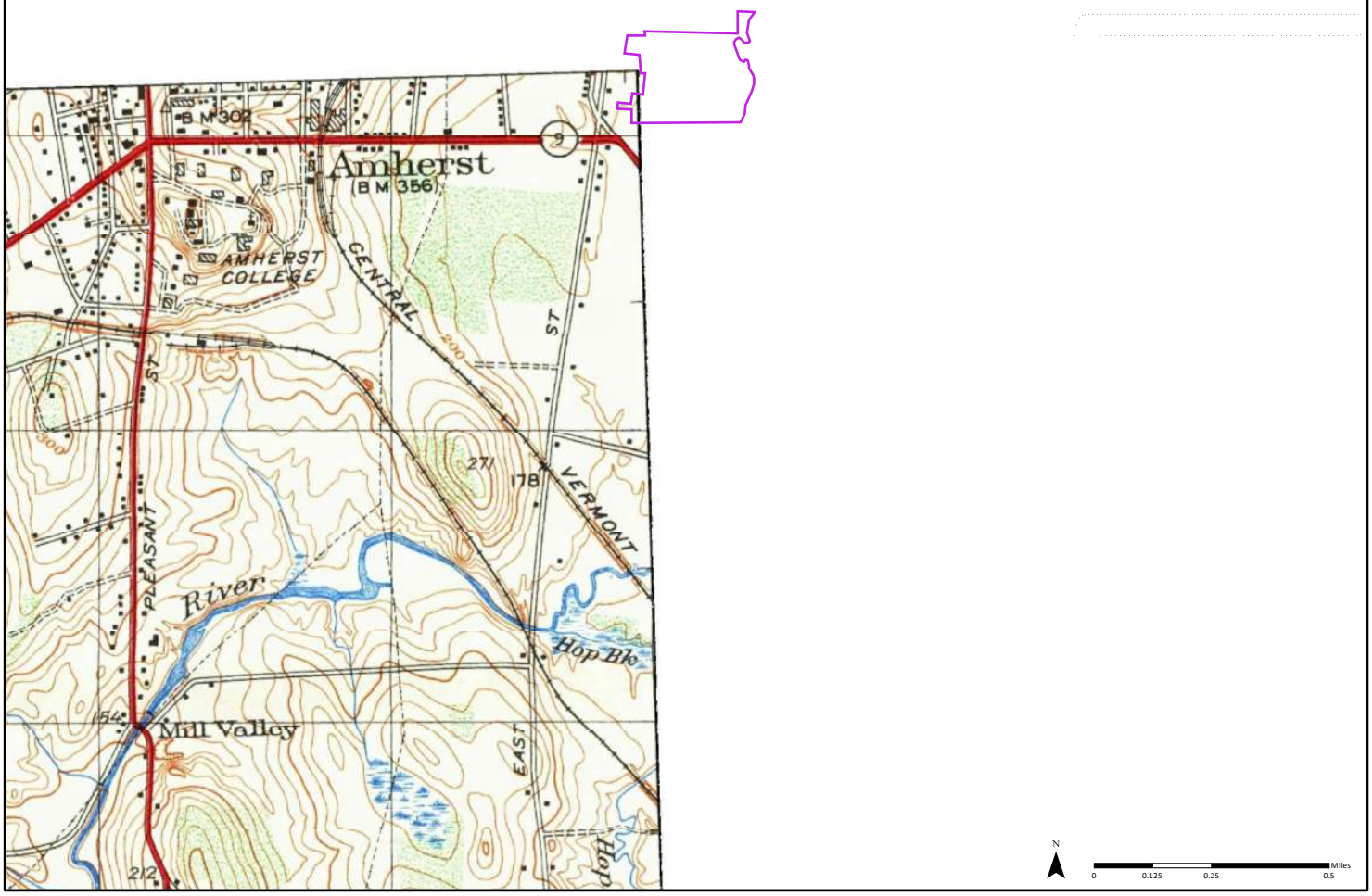


1949

Quadrangle(s): Belchertown, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

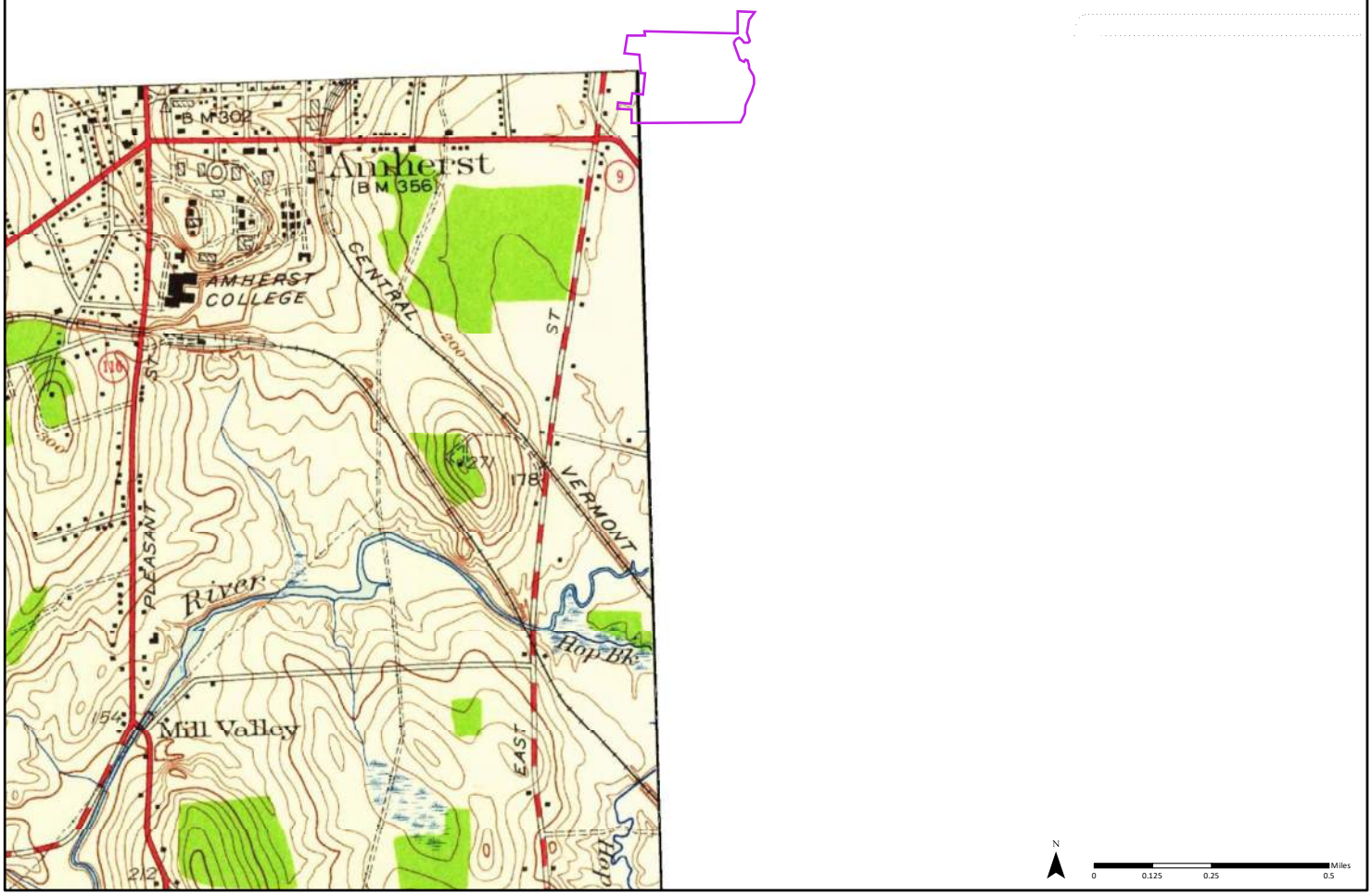


1948

Quadrangle(s): Mt Holyoke, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

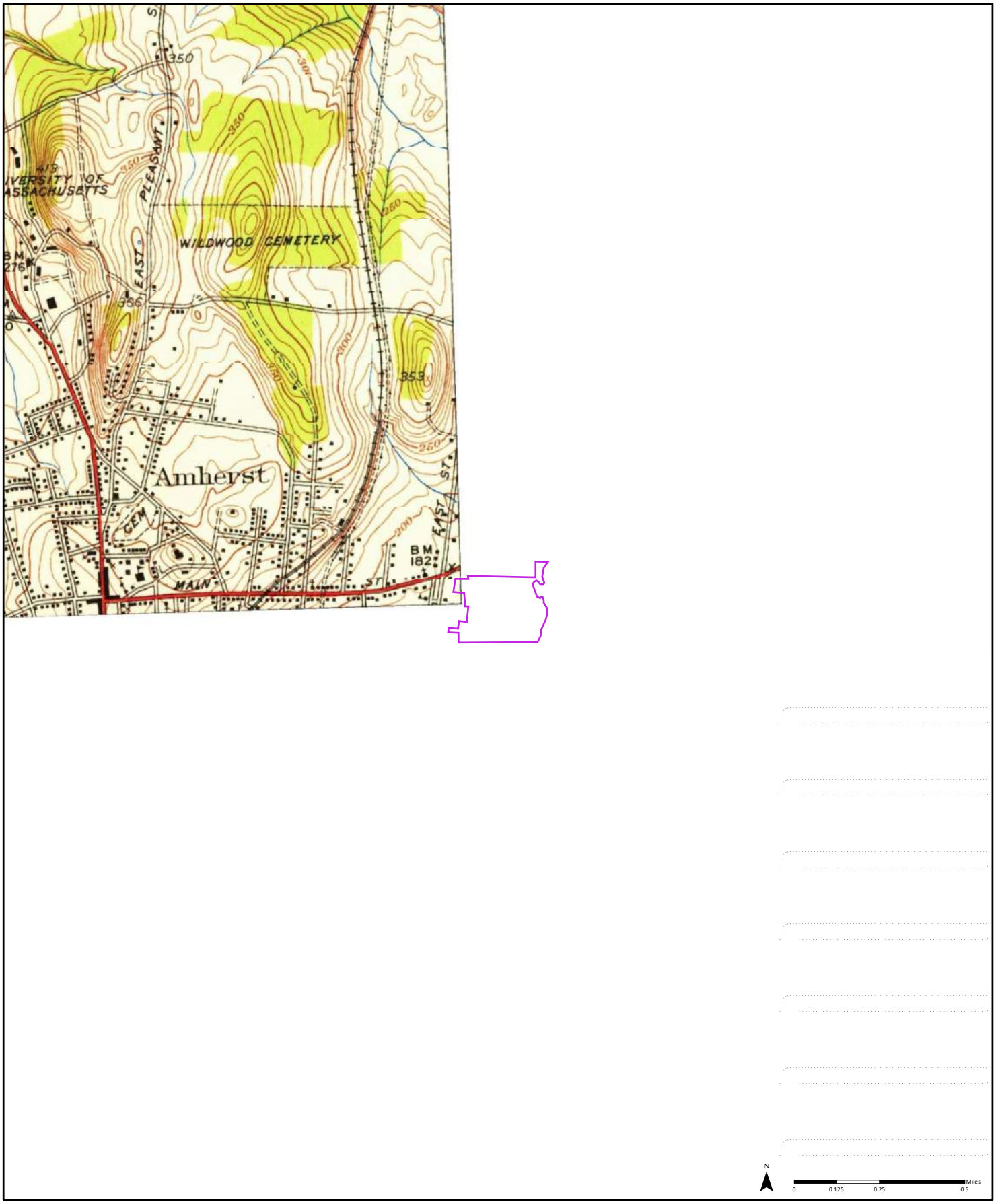


1947

Quadrangle(s): Mt Holyoke, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

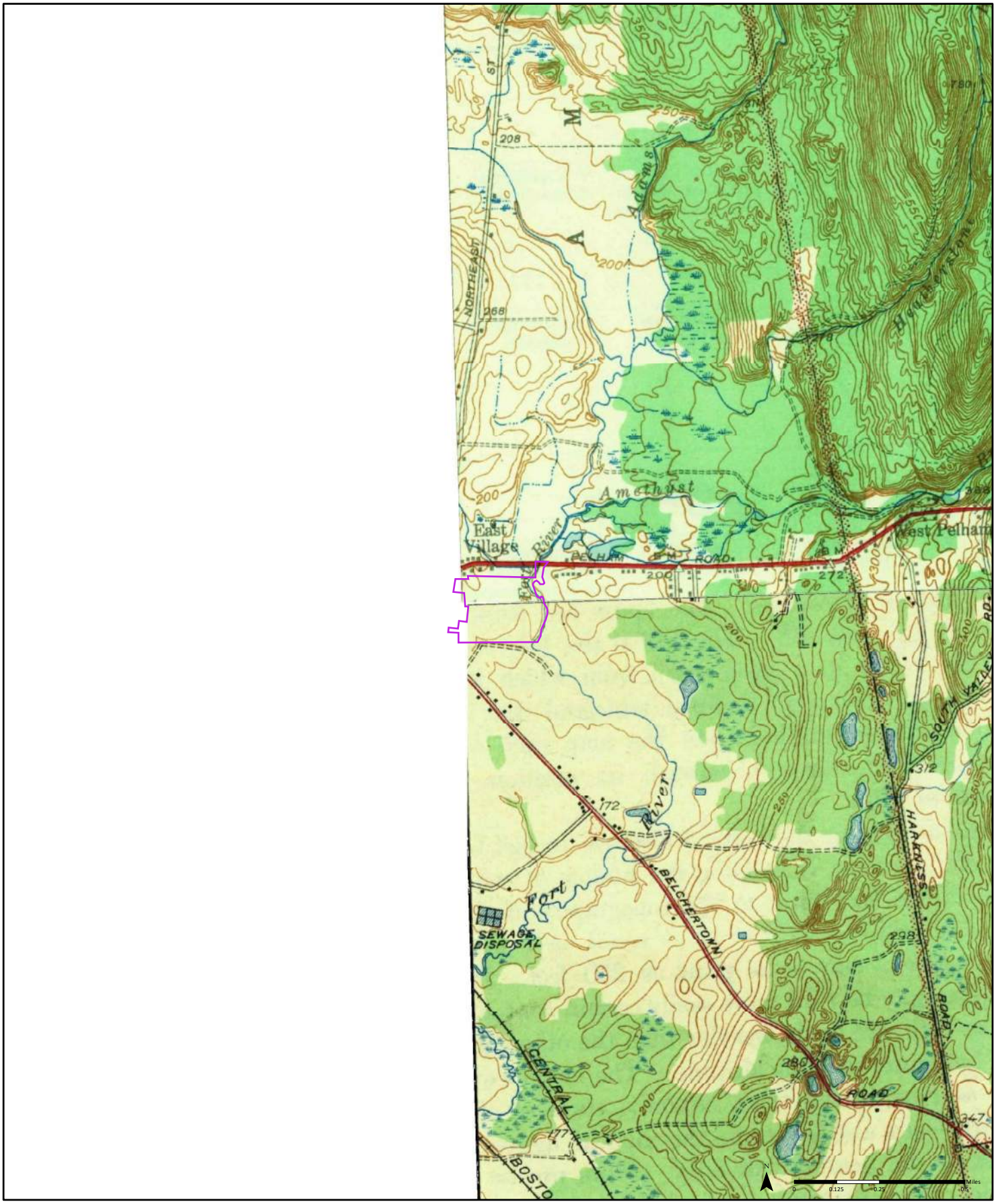


1944

Quadrangle(s): Mt Toby, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

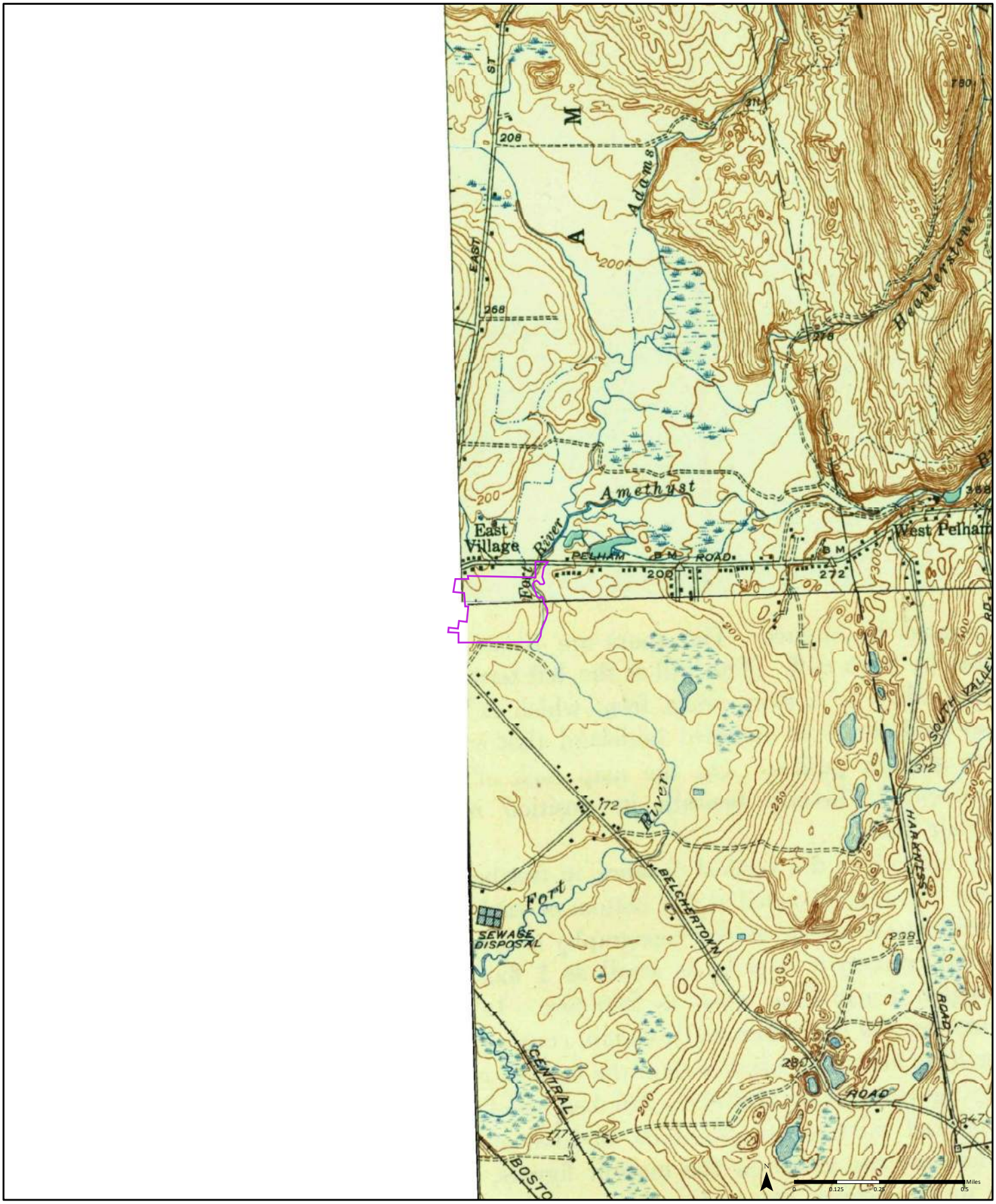


1943

Quadrangle(s): Belchertown, MA; Shutesbury, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

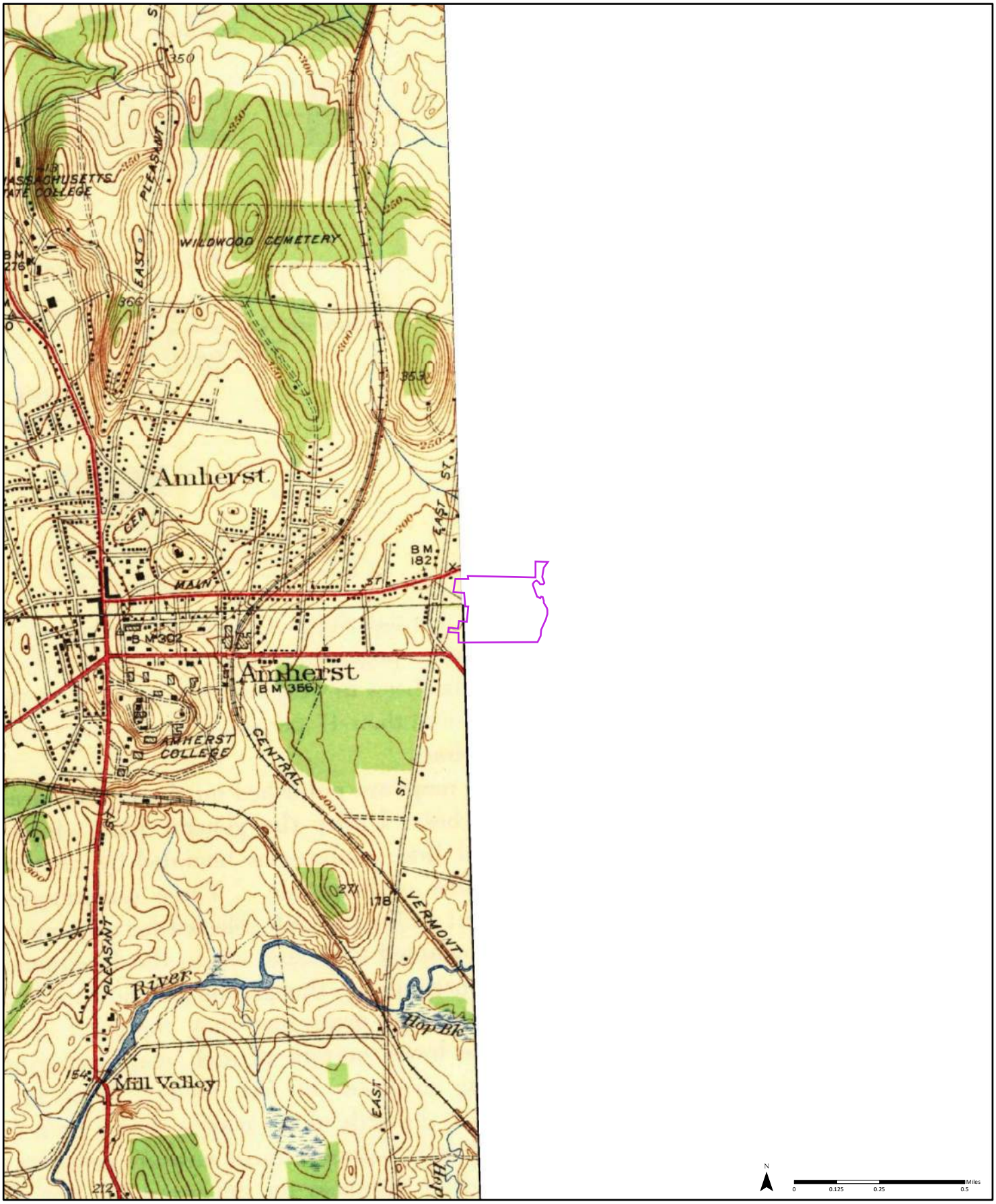


1942

Quadrangle(s): Shutesbury, MA; Belchertown, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

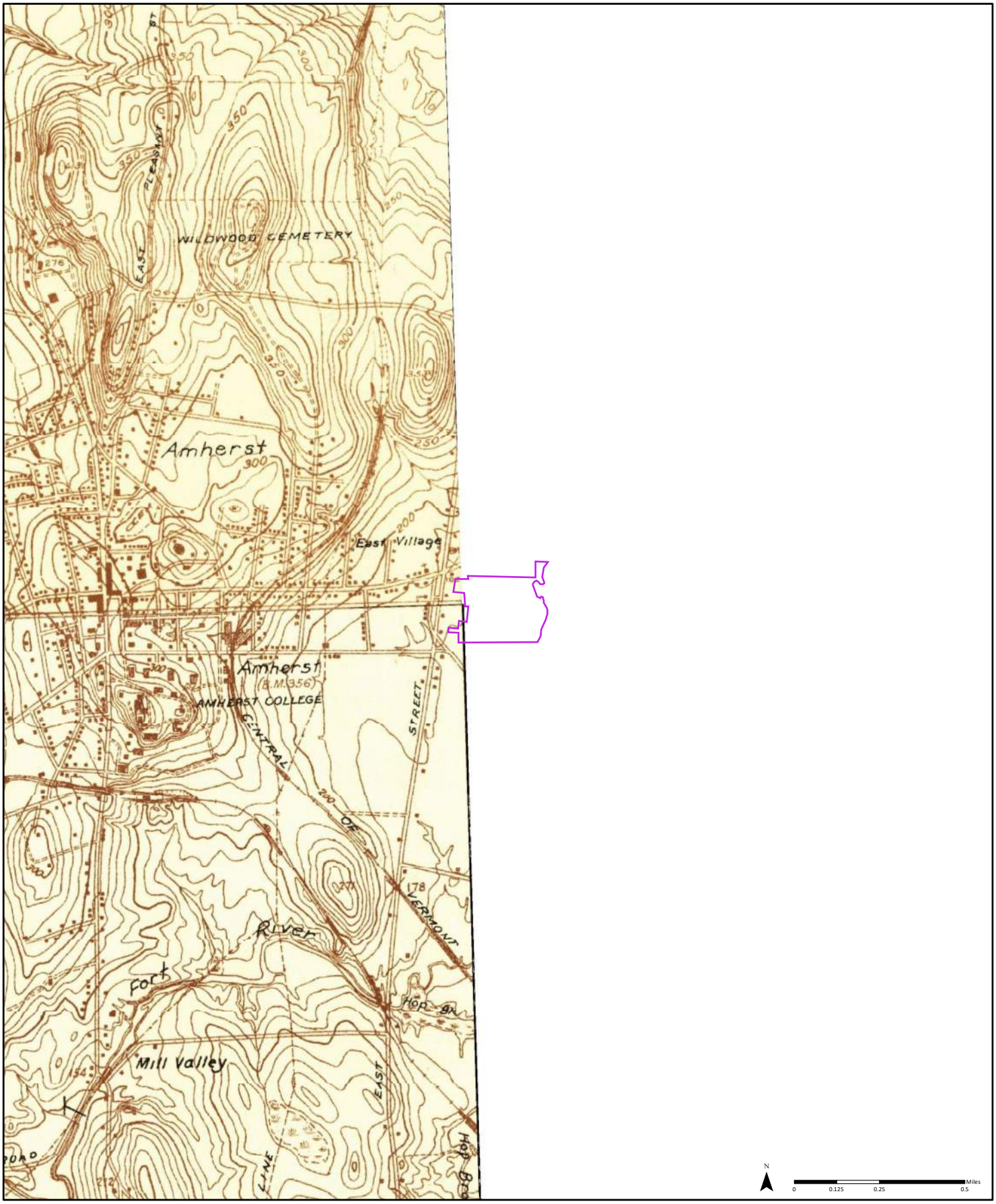


1941

Quadrangle(s): Mt Holyoke, MA; Mt Toby, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

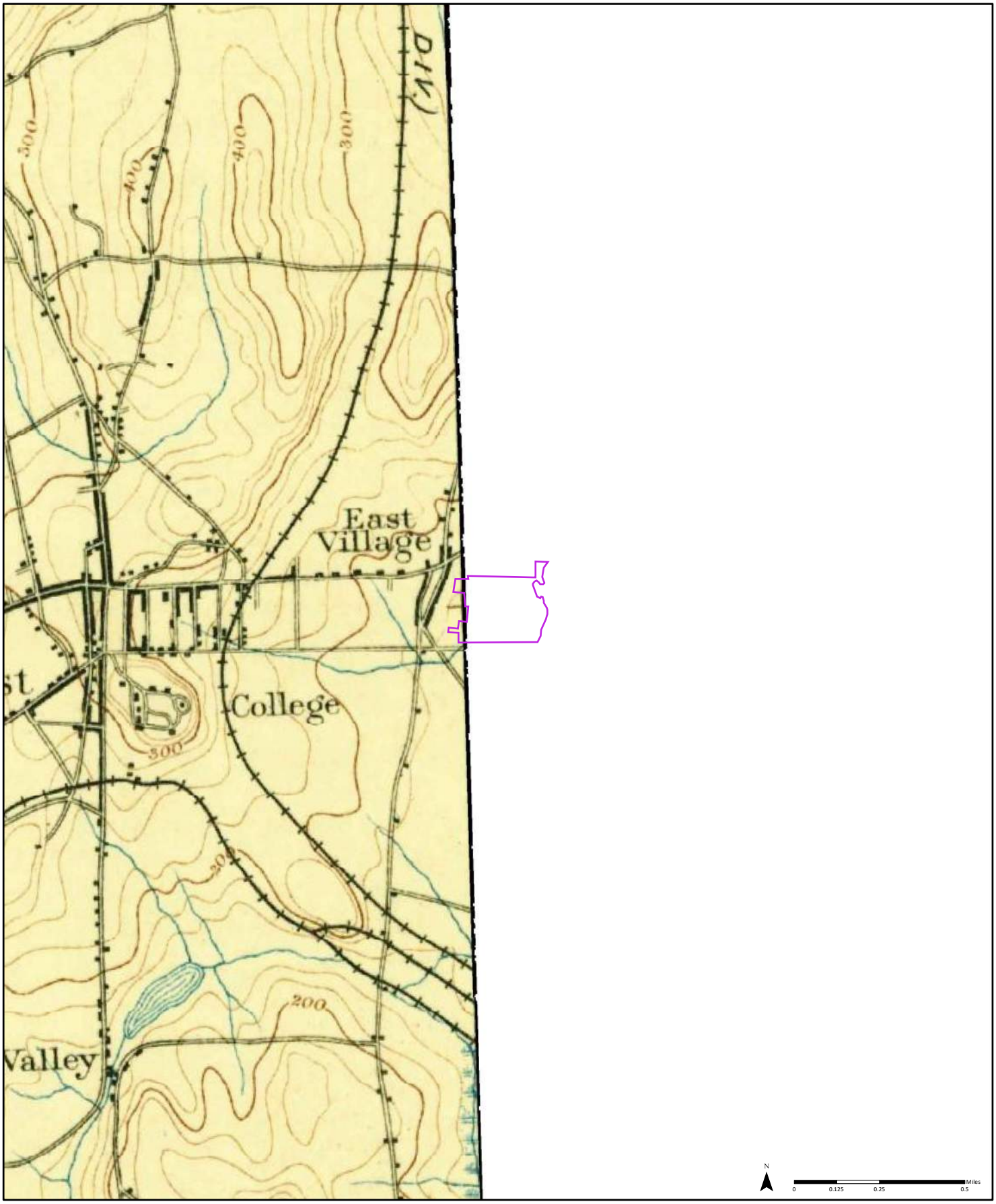


1935

Quadrangle(s): Mt Holyoke, MA; Mount Toby, MA

Order No. 21121700085

Source: USGS 7.5 Minute Topographic Map

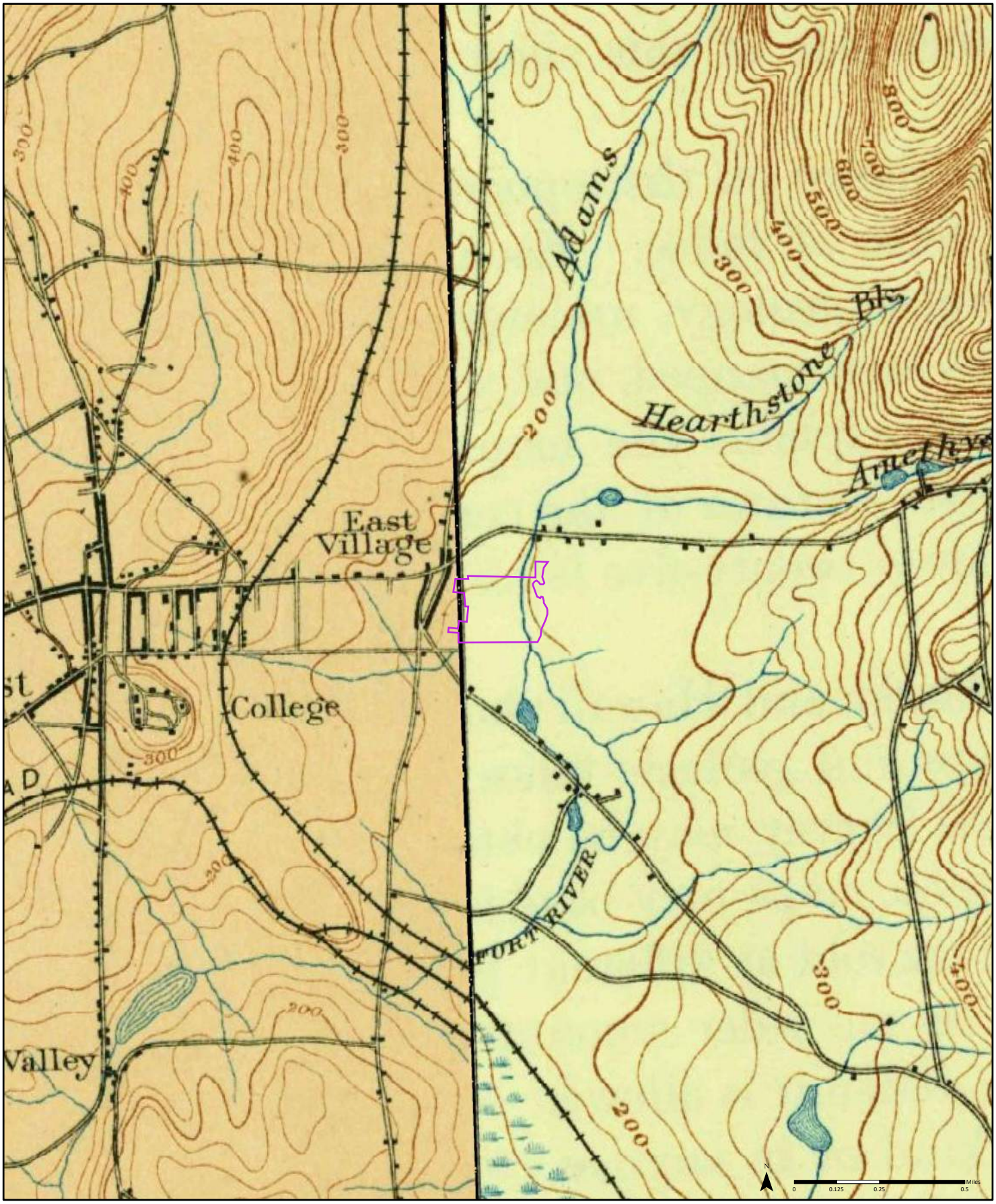


1895

Quadrangle(s): Northampton, MA

Order No. 21121700085

Source: USGS 15 Minute Topographic Map

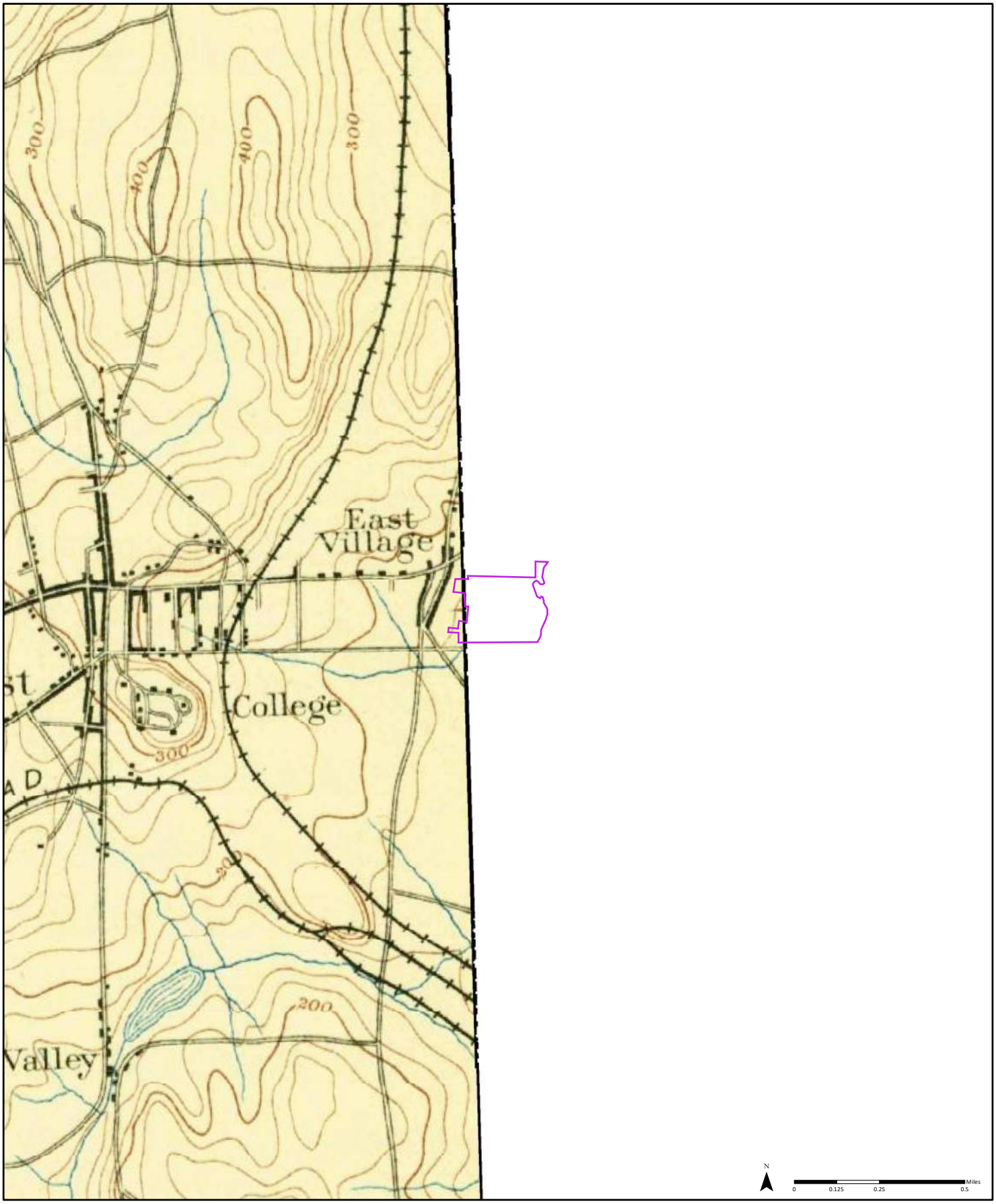


1893

Quadrangle(s): Northampton, MA; Belchertown, MA

Order No. 21121700085

Source: USGS 15 Minute Topographic Map

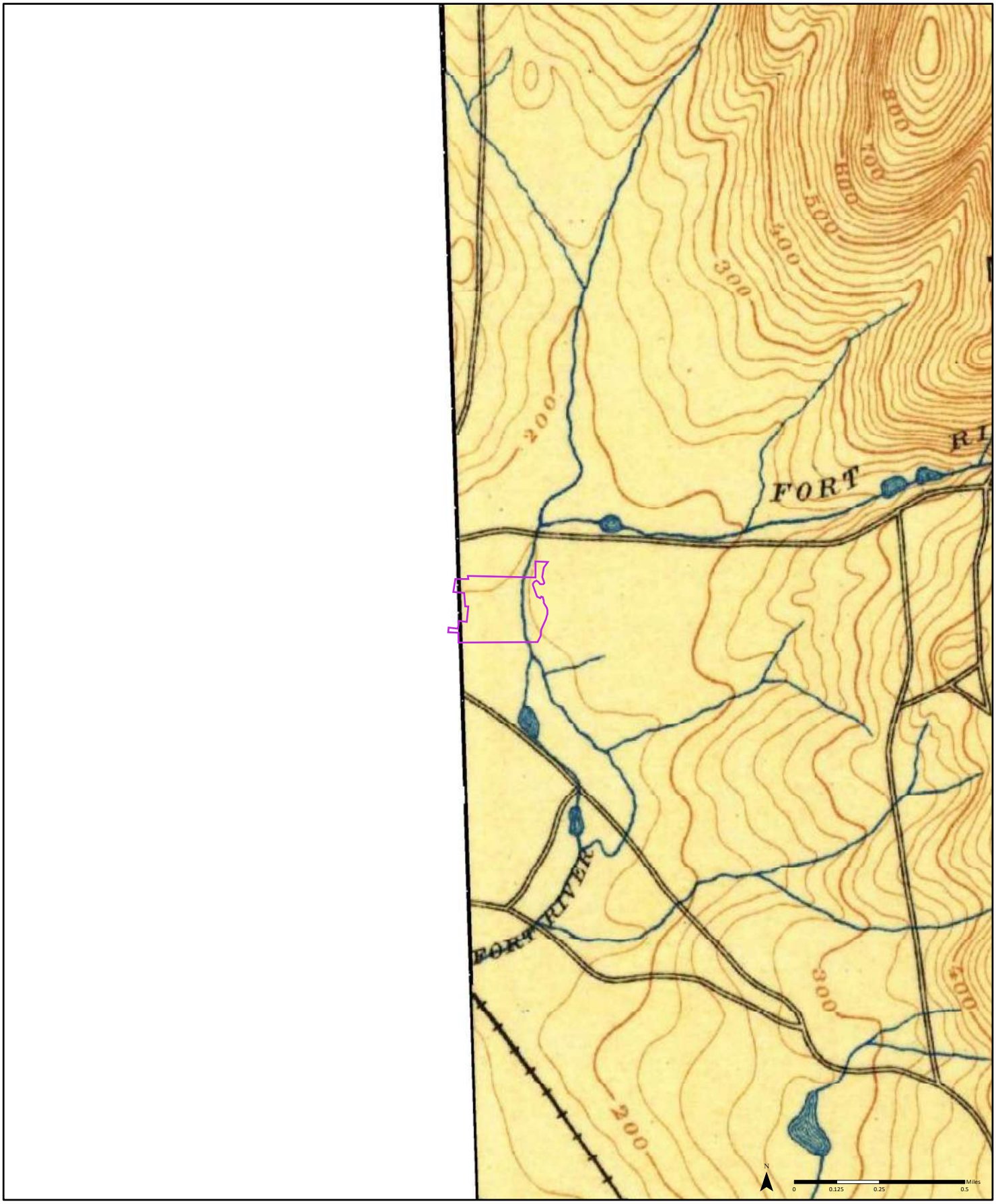


1891

Quadrangle(s): Northampton, MA

Order No. 21121700085

Source: USGS 15 Minute Topographic Map

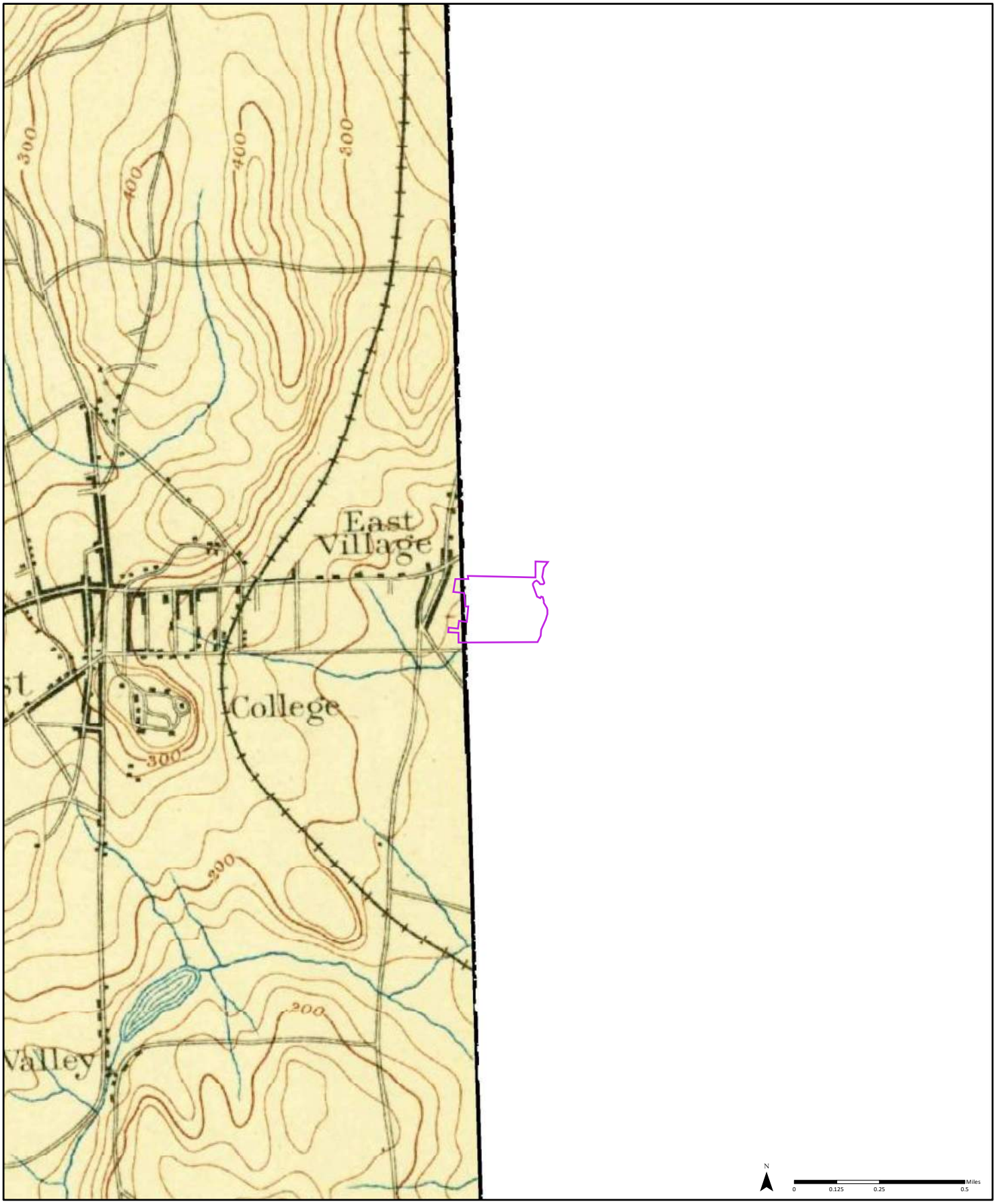


1890

Quadrangle(s): Belchertown, MA

Order No. 21121700085

Source: USGS 15 Minute Topographic Map



1886

Quadrangle(s): Northampton, MA

Order No. 21121700085

Source: USGS 15 Minute Topographic Map

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		21121700085p
Date Completed:		December 19, 2021
Project Number:		2936-05-01
Project Property:		Fort River Elementary School 70 South East Street Amherst MA 01002
Coordinates:		
	Latitude:	42.37478576
	Longitude:	-72.49771398
	UTM Northing:	4694422.69094 Meters
	UTM Easting:	706019.004858 Meters
	UTM Zone:	UTM Zone 18T
	Elevation:	172.57 ft
	Slope Direction:	E

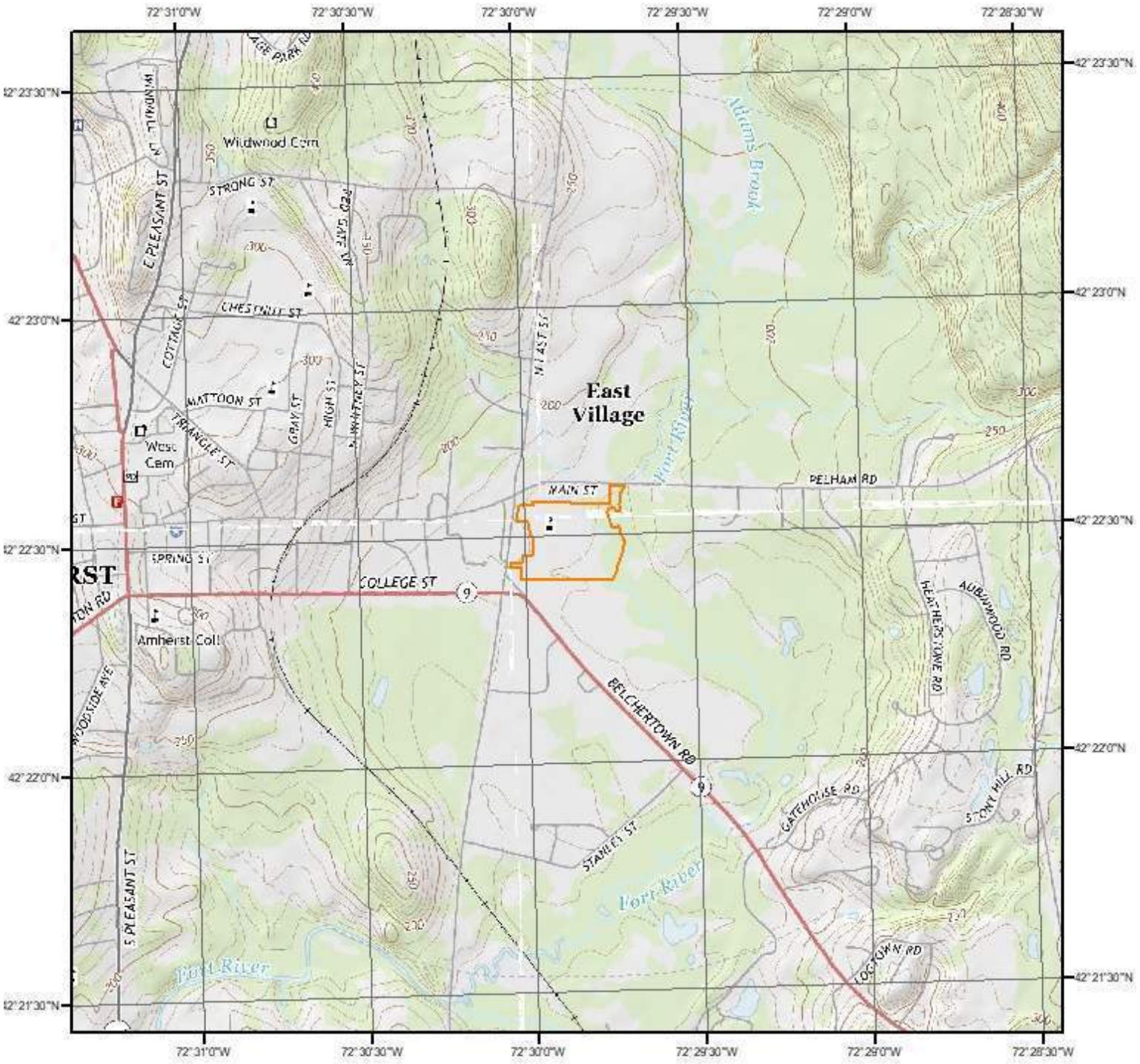
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2015)

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Belchertown,MA; Mount Holyoke,MA; Mount Toby,MA; Shutesbury,MA

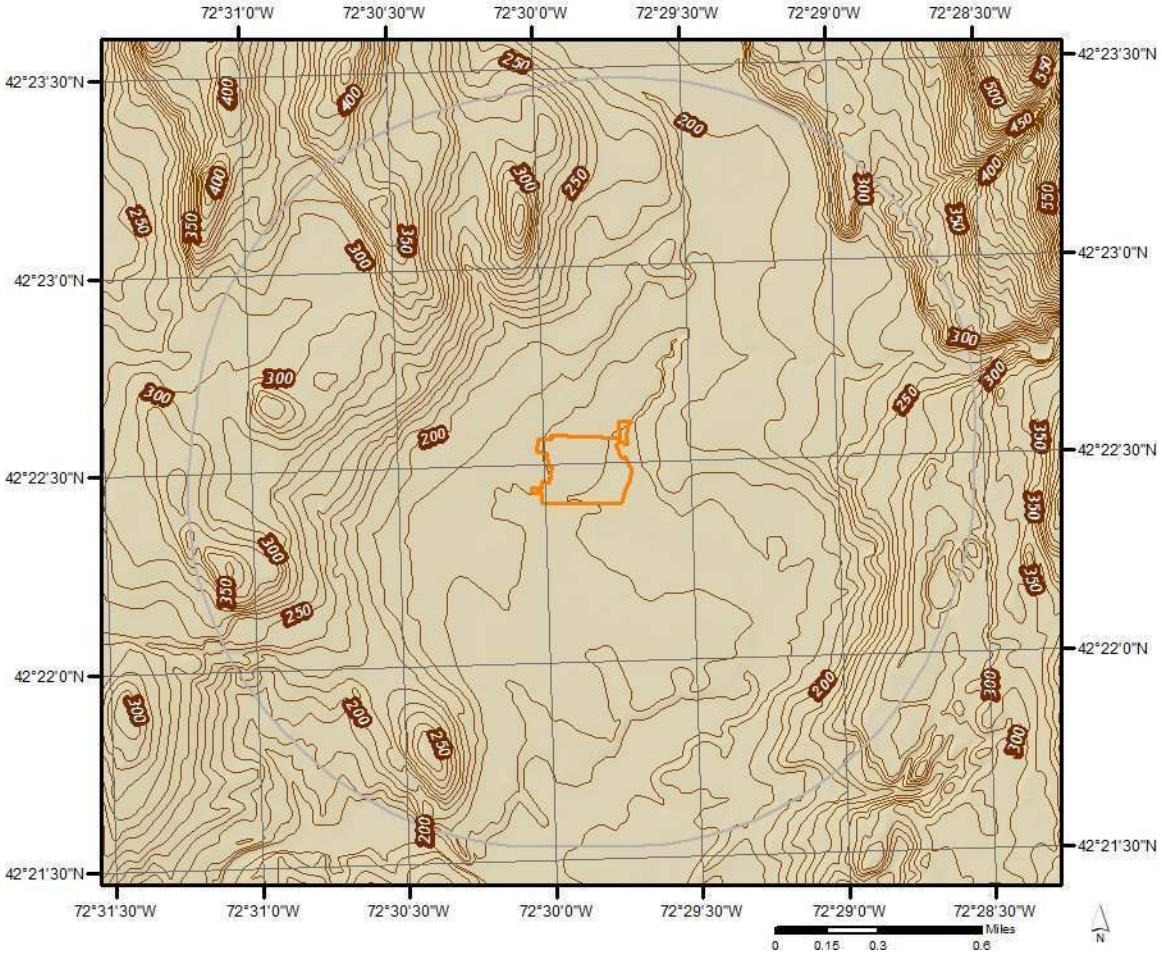
Source: USGS 7.5 Minute Topographic Map

Topographic Information

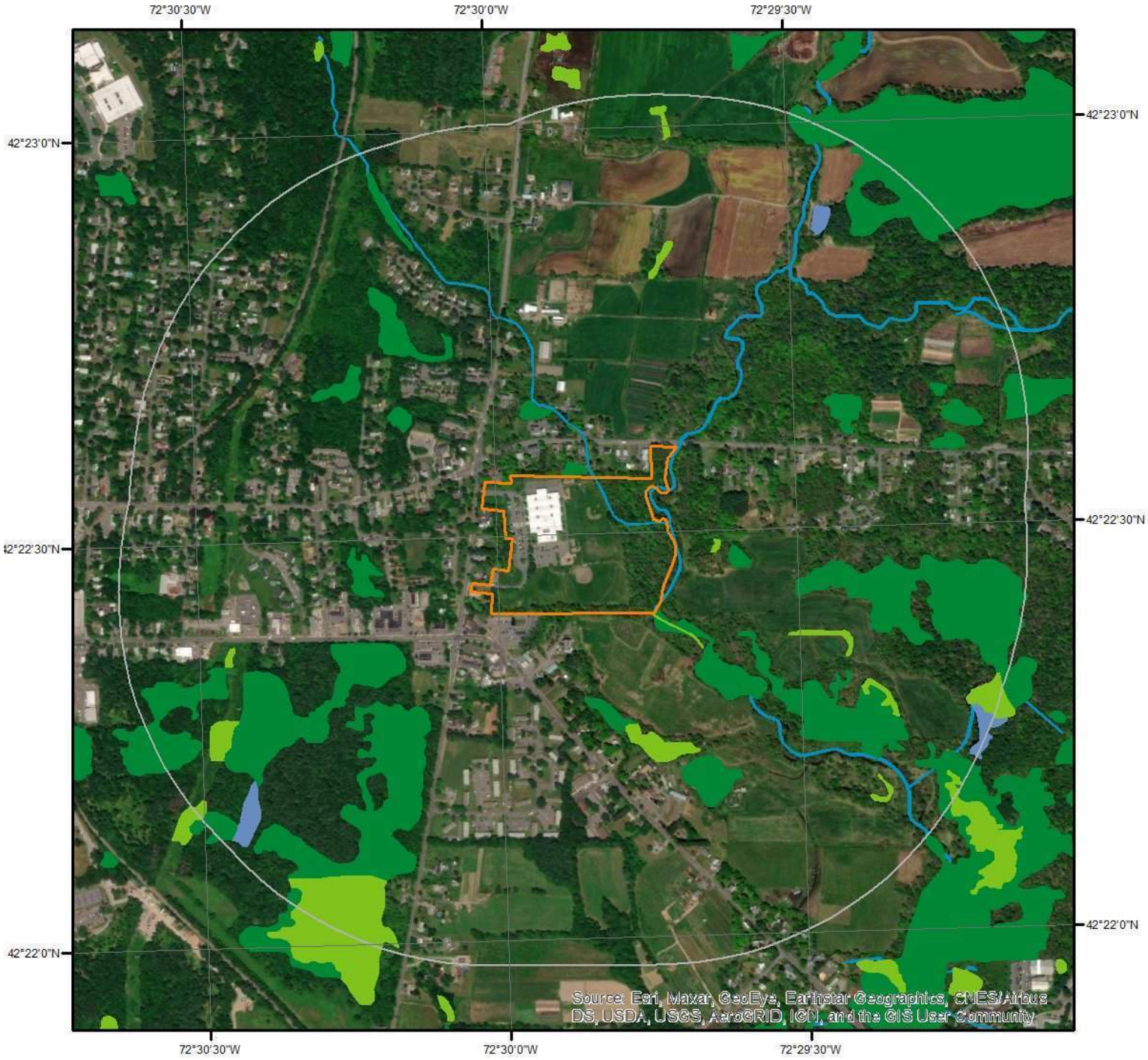
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	172.57 ft
Slope Direction:	E



Hydrologic Information



Wetland

Miles
0 0.075 0.15 0.3

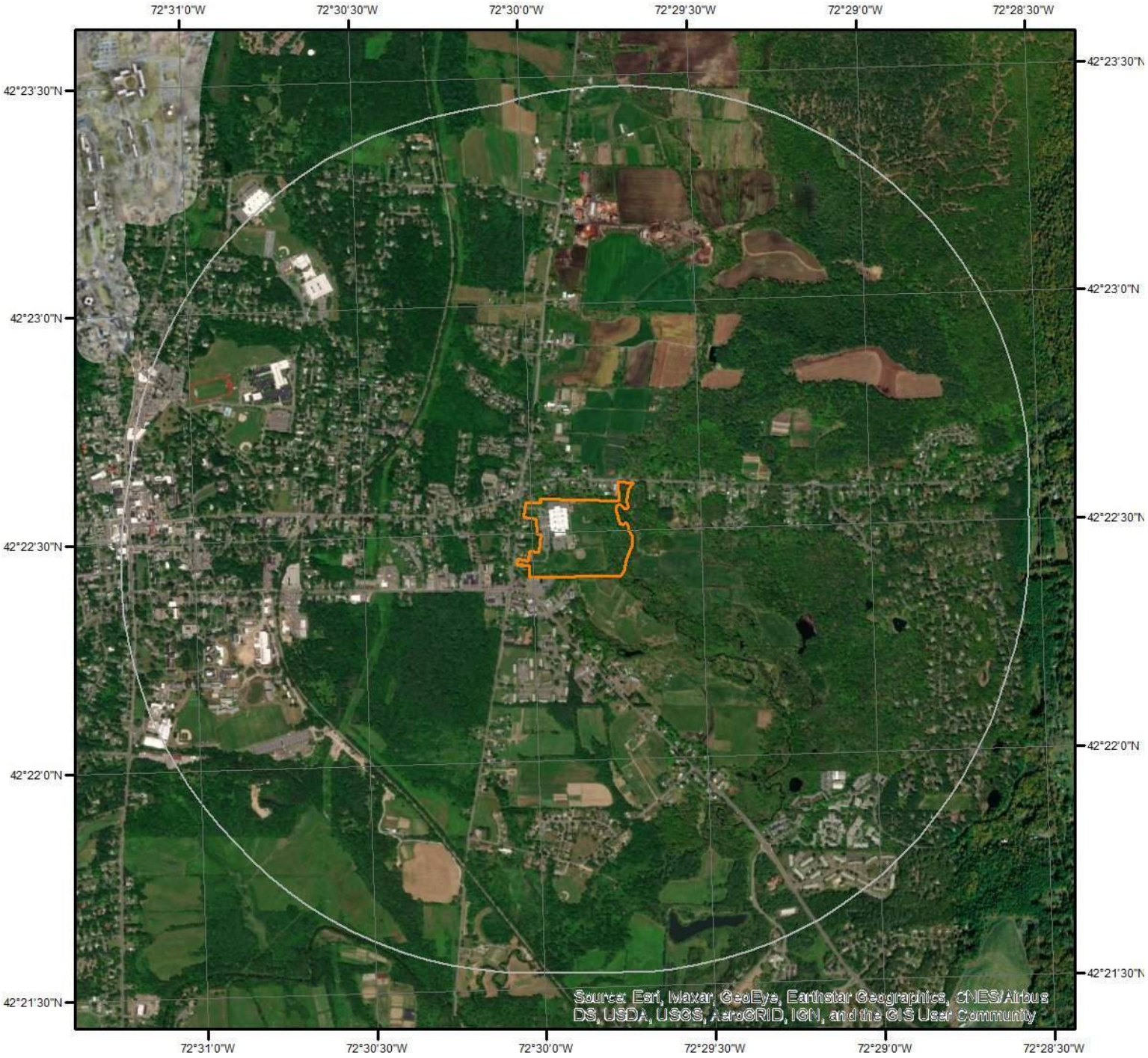
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information



Flood Hazard Zones

Miles
0 0.2 0.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N

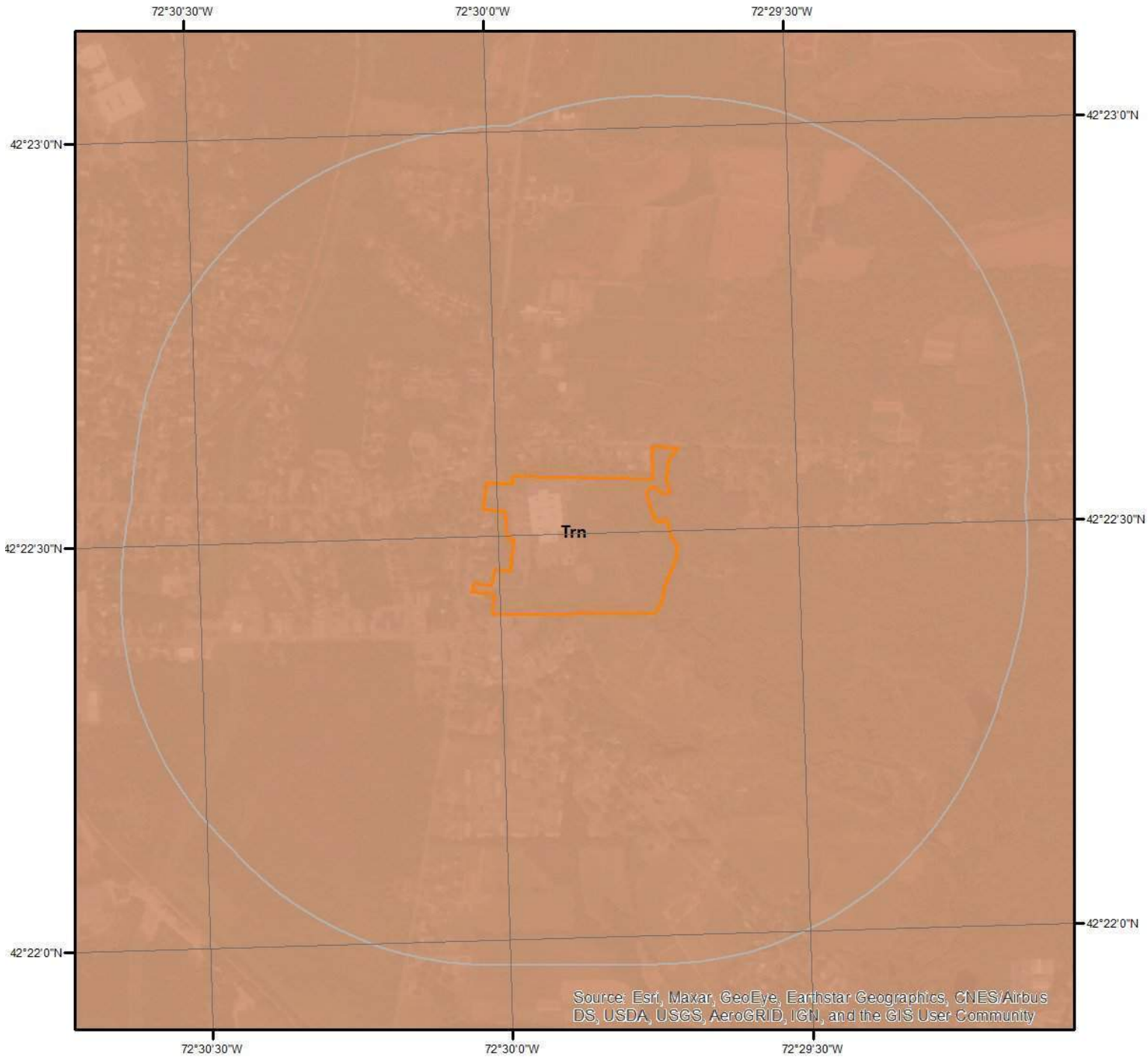
ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

No records found for the project property or surrounding properties.

Geologic Information



0 0.2 0.4 Miles

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

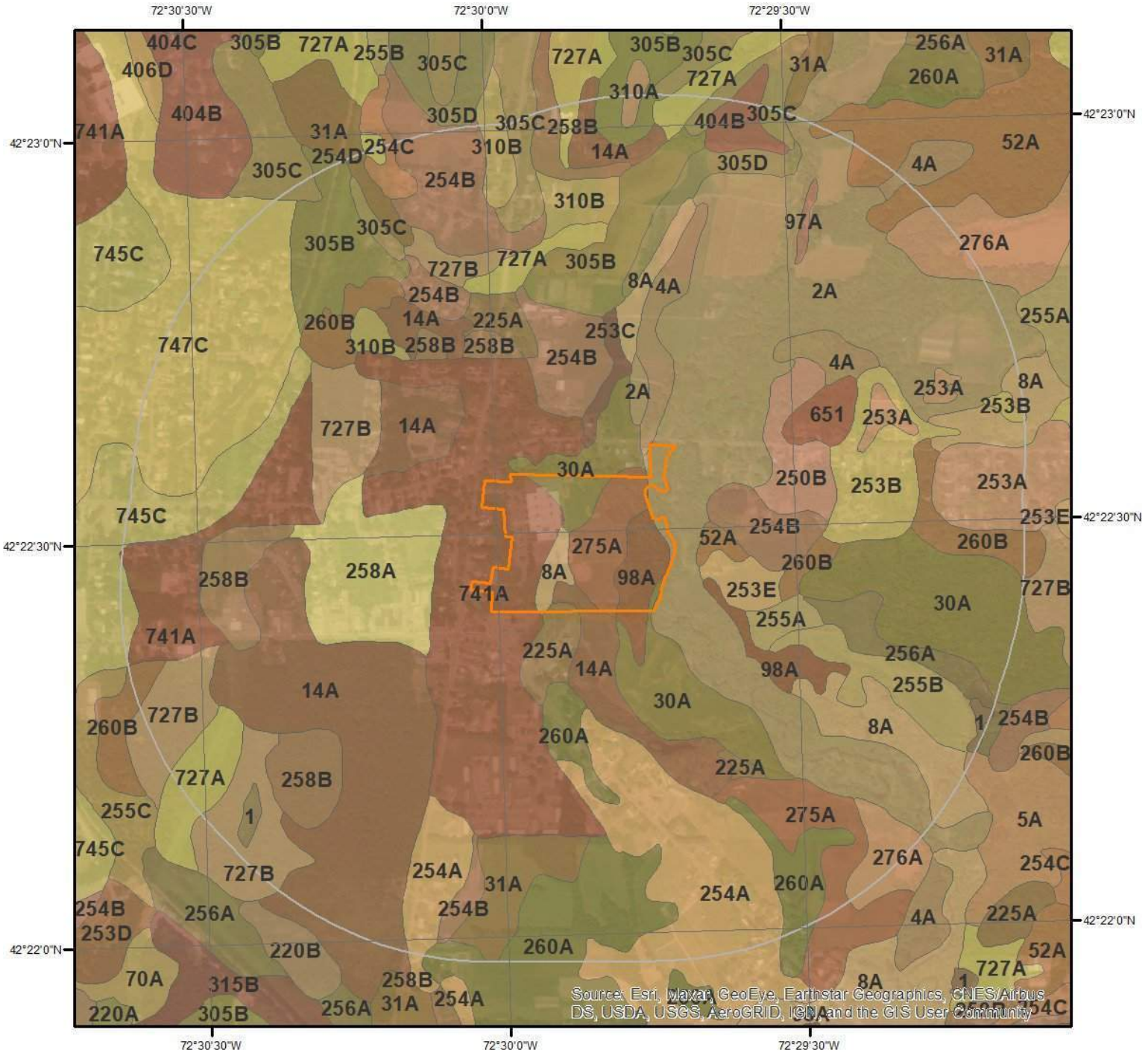
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Trn

Unit Name:	New Haven Arkose
Unit Age:	Upper Triassic
Primary Rock Type:	arkose
Secondary Rock Type:	siltstone
Unit Description:	New Haven Arkose - Red, pink, and gray coarse-grained, locally conglomeratic arkose interbedded with brick-red shaley siltstone and fine-grained arkosic sandstone; boundary between Lower Jurassic (Jn) and Upper Triassic (TRn) parts is arbitrarily drawn through clastic rocks of similar lithology below gray mudstone containing Lower Jurassic palynofloral zone; TRn is continuous with and lithically similar to TRs near Northampton.Assigned to Newark Supergroup (Robinson and Luttrell, 1985).

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 1 (0.11%)

Map Unit Name:	Water

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1 - Water

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Map Unit 14A (5.21%)

Map Unit Name:	Scitico silt loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Scitico(85%)

horizon H1(0cm to 25cm)	Silt loam
horizon H2(25cm to 56cm)	Silt loam
horizon H3(56cm to 91cm)	Silty clay
horizon H4(91cm to 165cm)	Silty clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 14A - Scitico silt loam, 0 to 3 percent slopes

Component: Scitico (85%)
The Scitico component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on depressions. The parent material consists of hard silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, June, October, November, December. Organic matter content in the surface horizon is about 5 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Raynham (5%)
Generated brief soil descriptions are created for major soil components. The Raynham soil is a minor component.

Component: Boxford (5%)
Generated brief soil descriptions are created for major soil components. The Boxford soil is a minor component.

Component: Maybid (5%)
Generated brief soil descriptions are created for major soil components. The Maybid soil is a minor component.

Soil Information

Map Unit 225A (0.52%)

Map Unit Name:	Belgrade silt loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	31cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Belgrade(85%)

horizon H1(0cm to 25cm)	Silt loam
horizon H2(25cm to 130cm)	Very fine sandy loam
horizon H3(130cm to 152cm)	Loamy very fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 225A - Belgrade silt loam, 0 to 3 percent slopes

Component: Belgrade (85%)
The Belgrade component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on glaciolacustrine terraces. The parent material consists of coarse-silty glaciolacustrine deposits. Depth to a root restrictive layer, , inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Raynham (15%)
Generated brief soil descriptions are created for major soil components. The Raynham soil is a minor component.

Map Unit 250B (0.54%)

Map Unit Name:	Pollux fine sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Pollux(80%)

horizon H1(0cm to 10cm)	Fine sandy loam
horizon H2(10cm to 76cm)	Fine sandy loam
horizon H3(76cm to 152cm)	Stratified very fine sand to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 250B - Pollux fine sandy loam, 3 to 8 percent slopes

Component: Pollux (80%)
The Pollux component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on outwash plains. The parent material consists of friable coarse-loamy glaciofluvial deposits over hard silty glaciolacustrine deposits derived from granite and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Amostown (10%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Amostown soil is a minor component.

Component: Enosburg (10%)
Generated brief soil descriptions are created for major soil components. The Enosburg soil is a minor component.

Map Unit 253A (1.96%)

Map Unit Name:	Hinckley loamy sand, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hinckley(80%)

horizon H1(0cm to 20cm)	Loamy sand
horizon H2(20cm to 33cm)	Loamy sand
horizon H3(33cm to 73cm)	Gravelly sand
horizon H4(73cm to 152cm)	Stratified g to coarse sand to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 253A - Hinckley loamy sand, 0 to 3 percent slopes

Component: Hinckley (85%)
The Hinckley component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on kame terraces on valleys. The parent material consists of sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 95 percent. Below this thin organic horizon the organic matter content is about 6 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Component: Merrimac (5%)
Generated brief soil descriptions are created for major soil components. The Merrimac soil is a minor component.

Component: Windsor (5%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Component: Sudbury (5%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Map Unit 253B (0.85%)

Map Unit Name:	Hinckley loamy sand, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hinckley(80%)

horizon H1(0cm to 20cm)	Loamy sand
horizon H2(20cm to 33cm)	Loamy sand
horizon H3(33cm to 73cm)	Gravelly sand

horizon H4(73cm to 152cm)	Stratified g to coarse sand to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 253B - Hinckley loamy sand, 3 to 8 percent slopes

Component: Hinckley (85%)
The Hinckley component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on kame terraces on valleys. The parent material consists of sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 95 percent. Below this thin organic horizon the organic matter content is about 6 percent. This component is in the F144AY022MA Dry Outwash ecological site. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Component: Windsor (8%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Component: Sudbury (5%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Component: Agawam (2%)
Generated brief soil descriptions are created for major soil components. The Agawam soil is a minor component.

Map Unit 253C (0.14%)

Map Unit Name:	Hinckley loamy sand, 8 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hinckley(80%)

horizon H1(0cm to 20cm)	Loamy sand
horizon H2(20cm to 33cm)	Loamy sand
horizon H3(33cm to 73cm)	Gravelly sand
horizon H4(73cm to 152cm)	Stratified g to coarse sand to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 253C - Hinckley loamy sand, 8 to 15 percent slopes

Component: Hinckley (85%)
The Hinckley component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on kame terraces on valleys. The parent material consists of sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 95 percent. Below this thin organic horizon the organic matter content is about 6 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Merrimac (5%)
Generated brief soil descriptions are created for major soil components. The Merrimac soil is a minor component.

Component: Windsor (5%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Component: Sudbury (5%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Map Unit 253E (0.24%)

Map Unit Name:	Hinckley loamy sand, 25 to 35 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hinckley(80%)

horizon H1(0cm to 20cm)	Loamy sand
horizon H2(20cm to 33cm)	Loamy sand
horizon H3(33cm to 73cm)	Gravelly sand
horizon H4(73cm to 152cm)	Stratified g to coarse sand to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 253E - Hinckley loamy sand, 25 to 35 percent slopes

Component: Hinckley (85%)
The Hinckley component makes up 85 percent of the map unit. Slopes are 25 to 35 percent. This component is on kame terraces on valleys. The parent material consists of sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 95 percent. Below this thin organic horizon the organic matter content is about 6 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Windsor (10%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Component: Merrimac (3%)
Generated brief soil descriptions are created for major soil components. The Merrimac soil is a minor component.

Component: Sudbury (2%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Map Unit 254A (3.64%)

Map Unit Name:	Merrimac fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Merrimac(85%)

horizon Ap(0cm to 25cm)	Fine sandy loam
horizon Bw1(25cm to 56cm)	Fine sandy loam
horizon Bw2(56cm to 66cm)	Stratified gravel to gravelly loamy sand

horizon 2C(66cm to 165cm)	Stratified gravel to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 254A - Merrimac fine sandy loam, 0 to 3 percent slopes

Component: Merrimac (85%)
The Merrimac component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash terraces on outwash plains. The parent material consists of loamy glaciofluvial deposits derived from granite, schist, and gneiss over sandy and gravelly glaciofluvial deposits derived from granite, schist, and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Sudbury (5%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Component: Hinckley (5%)
Generated brief soil descriptions are created for major soil components. The Hinckley soil is a minor component.

Component: Agawam (3%)
Generated brief soil descriptions are created for major soil components. The Agawam soil is a minor component.

Component: Windsor (2%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Map Unit 254B (2.26%)

Map Unit Name:	Merrimac fine sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Merrimac(85%)

horizon Ap(0cm to 25cm)	Fine sandy loam
horizon Bw1(25cm to 56cm)	Fine sandy loam
horizon Bw2(56cm to 66cm)	Stratified gravel to gravelly loamy sand
horizon 2C(66cm to 165cm)	Stratified gravel to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 254B - Merrimac fine sandy loam, 3 to 8 percent slopes

Component: Merrimac (85%)
The Merrimac component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on outwash terraces on outwash plains. The parent material consists of loamy glaciofluvial deposits derived from granite, schist, and gneiss over sandy and gravelly glaciofluvial deposits derived from granite, schist, and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. This component is in the F145XY008MA Dry Outwash ecological site. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Sudbury (5%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Component: Hinckley (5%)
Generated brief soil descriptions are created for major soil components. The Hinckley soil is a minor component.

Component: Windsor (3%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Component: Agawam (2%)
Generated brief soil descriptions are created for major soil components. The Agawam soil is a minor component.

Map Unit 254C (0.2%)

Map Unit Name:	Merrimac fine sandy loam, 8 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Merrimac(85%)

horizon Ap(0cm to 25cm)	Fine sandy loam
horizon Bw1(25cm to 56cm)	Fine sandy loam
horizon Bw2(56cm to 66cm)	Stratified gravel to gravelly loamy sand
horizon 2C(66cm to 165cm)	Stratified gravel to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 254C - Merrimac fine sandy loam, 8 to 15 percent slopes

Component: Merrimac (85%)
The Merrimac component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on outwash terraces on outwash plains. The parent material consists of loamy glaciofluvial deposits derived from granite, schist, and gneiss over sandy and gravelly glaciofluvial deposits derived from granite, schist, and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. This component is in the F145XY008MA Dry Outwash ecological site. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Hinckley (5%)
Generated brief soil descriptions are created for major soil components. The Hinckley soil is a minor component.

Component: Sudbury (5%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Component: Windsor (5%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Map Unit 254D (0.04%)

Map Unit Name:	Merrimac fine sandy loam, 15 to 25 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Soil Information

Major components are printed below

Merrimac(85%)

horizon H1(0cm to 41cm)	Gravelly fine sandy loam
horizon H2(41cm to 61cm)	Gravelly sandy loam
horizon H3(61cm to 152cm)	Stratified sand to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 254D - Merrimac fine sandy loam, 15 to 25 percent slopes

Component: Merrimac (80%)
The Merrimac component makes up 80 percent of the map unit. Slopes are 15 to 25 percent. This component is on outwash terraces on outwash plains. The parent material consists of loamy glaciofluvial deposits derived from granite, schist, and gneiss over sandy and gravelly glaciofluvial deposits derived from granite, schist, and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Hinckley (10%)
Generated brief soil descriptions are created for major soil components. The Hinckley soil is a minor component.

Component: Agawam (5%)
Generated brief soil descriptions are created for major soil components. The Agawam soil is a minor component.

Component: Windsor (5%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Map Unit 255A (0.17%)

Map Unit Name:	Windsor loamy sand, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Windsor(85%)

horizon O(0cm to 3cm)	Moderately decomposed plant material
horizon A(3cm to 8cm)	Loamy sand
horizon Bw(8cm to 64cm)	Loamy sand
horizon C(64cm to 165cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 255A - Windsor loamy sand, 0 to 3 percent slopes

Component: Windsor (85%)
The Windsor, loamy sand component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash plains on valleys. The parent material consists of loose sandy glaciofluvial deposits derived from granite and/or loose sandy glaciofluvial deposits derived from schist and/or loose sandy glaciofluvial deposits derived from gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 95 percent. Below this thin organic horizon the organic matter content is about 4 percent. Nonirrigated land capability classification is 2s.

Soil Information

This soil does not meet hydric criteria.

Component: Deerfield (10%)
Generated brief soil descriptions are created for major soil components. The Deerfield, loamy sand soil is a minor component.

Component: Hinckley (5%)
Generated brief soil descriptions are created for major soil components. The Hinckley, loamy sand soil is a minor component.

Map Unit 255B (0.62%)

Map Unit Name:	Windsor loamy sand, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Windsor(85%)

horizon O(0cm to 3cm)	Moderately decomposed plant material
horizon A(3cm to 8cm)	Loamy sand
horizon Bw(8cm to 64cm)	Loamy sand
horizon C(64cm to 165cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 255B - Windsor loamy sand, 3 to 8 percent slopes

Component: Windsor (85%)
The Windsor, loamy sand component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on outwash terraces on valleys. The parent material consists of loose sandy glaciofluvial deposits derived from granite and/or loose sandy glaciofluvial deposits derived from schist and/or loose sandy glaciofluvial deposits derived from gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 95 percent. Below this thin organic horizon the organic matter content is about 4 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Hinckley (10%)
Generated brief soil descriptions are created for major soil components. The Hinckley, loamy sand soil is a minor component.

Component: Deerfield (5%)
Generated brief soil descriptions are created for major soil components. The Deerfield, loamy sand soil is a minor component.

Map Unit 256A (0.43%)

Map Unit Name:	Deerfield loamy fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Deerfield(85%)

horizon H1(0cm to 23cm)	Loamy fine sand
horizon H2(23cm to 152cm)	Fine sand

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 256A - Deerfield loamy fine sand, 0 to 3 percent slopes

Component: Deerfield (85%)
The Deerfield component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash plains on lowlands. The parent material consists of sandy outwash derived from granite, gneiss, and/or quartzite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 25 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 3 percent. This component is in the F144AY027MA Moist Sandy Outwash ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Windsor (7%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Component: Wareham (5%)
Generated brief soil descriptions are created for major soil components. The Wareham soil is a minor component.

Component: Sudbury (2%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Component: Ninigret (1%)
Generated brief soil descriptions are created for major soil components. The Ninigret soil is a minor component.

Map Unit 258A (1.32%)

Map Unit Name:	Amostown fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Amostown(75%)

horizon H1(0cm to 18cm)	Fine sandy loam
horizon H2(18cm to 81cm)	Fine sandy loam
horizon H3(81cm to 152cm)	Stratified very fine sand to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 258A - Amostown fine sandy loam, 0 to 3 percent slopes

Component: Amostown (75%)
The Amostown component makes up 75 percent of the map unit. Slopes are 0 to 3 percent. This component is on deltas, terraces, outwash plains. The parent material consists of friable sandy glaciofluvial deposits over silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Pollux (15%)
Generated brief soil descriptions are created for major soil components. The Pollux soil is a minor component.

Component: Agawam (10%)
Generated brief soil descriptions are created for major soil components. The Agawam soil is a minor component.

Soil Information

Map Unit 258B (1.52%)

Map Unit Name:	Amostown fine sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Amostown(75%)

horizon H1(0cm to 18cm)	Fine sandy loam
horizon H2(18cm to 81cm)	Fine sandy loam
horizon H3(81cm to 152cm)	Stratified very fine sand to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 258B - Amostown fine sandy loam, 3 to 8 percent slopes

Component: Amostown (75%)
The Amostown component makes up 75 percent of the map unit. Slopes are 0 to 3 percent. This component is on terraces, outwash plains, deltas. The parent material consists of friable sandy glaciofluvial deposits over silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Pollux (15%)
Generated brief soil descriptions are created for major soil components. The Pollux soil is a minor component.

Component: Agawam (10%)
Generated brief soil descriptions are created for major soil components. The Agawam soil is a minor component.

Map Unit 260A (3.07%)

Map Unit Name:	Sudbury fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Sudbury(85%)

horizon H1(0cm to 25cm)	Fine sandy loam
horizon H2(25cm to 41cm)	Fine sandy loam
horizon H3(41cm to 71cm)	Gravelly loamy sand
horizon H4(71cm to 152cm)	Stratified gravelly sand to very gravelly loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 260A - Sudbury fine sandy loam, 0 to 3 percent slopes

Component: Sudbury (85%)

Soil Information

The Sudbury component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash plains. The parent material consists of friable loamy eolian deposits over loose sandy glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hinckley (5%)
Generated brief soil descriptions are created for major soil components. The Hinckley soil is a minor component.

Component: Merrimac (5%)
Generated brief soil descriptions are created for major soil components. The Merrimac soil is a minor component.

Component: Walpole (5%)
Generated brief soil descriptions are created for major soil components. The Walpole soil is a minor component.

Map Unit 260B (1.12%)

Map Unit Name:	Sudbury fine sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Sudbury(85%)

horizon H1(0cm to 25cm)	Fine sandy loam
horizon H2(25cm to 41cm)	Fine sandy loam
horizon H3(41cm to 71cm)	Gravelly loamy sand
horizon H4(71cm to 152cm)	Stratified gravelly sand to very gravelly loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 260B - Sudbury fine sandy loam, 3 to 8 percent slopes

Component: Sudbury (85%)
The Sudbury component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on outwash plains. The parent material consists of friable loamy eolian deposits over loose sandy glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Walpole (5%)
Generated brief soil descriptions are created for major soil components. The Walpole soil is a minor component.

Component: Hinckley (5%)
Generated brief soil descriptions are created for major soil components. The Hinckley soil is a minor component.

Component: Merrimac (5%)
Generated brief soil descriptions are created for major soil components. The Merrimac soil is a minor component.

Map Unit 275A (1.45%)

Map Unit Name:	Agawam fine sandy loam, 0 to 3 percent slopes

Soil Information

Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Agawam(85%)

horizon Ap(0cm to 28cm)	Fine sandy loam
horizon Bw1(28cm to 41cm)	Fine sandy loam
horizon Bw2(41cm to 66cm)	Fine sandy loam
horizon 2C1(66cm to 100cm)	Loamy fine sand
horizon 2C2(100cm to 140cm)	Loamy fine sand
horizon 2C3(140cm to 165cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 275A - Agawam fine sandy loam, 0 to 3 percent slopes

Component: Agawam (85%)
The Agawam component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash terraces on valleys. The parent material consists of coarse-loamy eolian deposits over sandy and gravelly glaciofluvial deposits derived from gneiss, granite, schist, and/or phyllite. Depth to a root restrictive layer, strongly contrasting textural stratification, is 15 to 35 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Ninigret (5%)
Generated brief soil descriptions are created for major soil components. The Ninigret soil is a minor component.

Component: Windsor (4%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Component: Walpole (3%)
Generated brief soil descriptions are created for major soil components. The Walpole soil is a minor component.

Component: Hinckley (3%)
Generated brief soil descriptions are created for major soil components. The Hinckley soil is a minor component.

Map Unit 276A (1.58%)

Map Unit Name:	Ninigret fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Ninigret(85%)

horizon H1(0cm to 25cm)	Fine sandy loam
horizon H2(25cm to 79cm)	Fine sandy loam
horizon H3(79cm to 152cm)	Stratified very gravelly coarse sand to loamy fine sand

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: 276A - Ninigret fine sandy loam, 0 to 3 percent slopes

Component: Ninigret (85%)
The Ninigret component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash terraces on valleys. The parent material consists of coarse-loamy eolian deposits over sandy and gravelly glaciofluvial deposits derived from gneiss, granite, schist, and/or phyllite. Depth to a root restrictive layer, strongly contrasting textural stratification, is 18 to 38 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 26 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Agawam (5%)
Generated brief soil descriptions are created for major soil components. The Agawam soil is a minor component.

Component: Deerfield (5%)
Generated brief soil descriptions are created for major soil components. The Deerfield soil is a minor component.

Component: Windsor (5%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Map Unit 2A (7.39%)

Map Unit Name:	Pootatuck fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	23cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Pootatuck(85%)

horizon H1(0cm to 25cm)	Fine sandy loam
horizon H2(25cm to 86cm)	Fine sandy loam
horizon H3(86cm to 152cm)	Stratified sand to loamy fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 2A - Pootatuck fine sandy loam, 0 to 3 percent slopes

Component: Pootatuck (85%)
The Pootatuck component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains. The parent material consists of loamy alluvium over sandy and gravelly alluvium derived from granite and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Rippowam (15%)
Generated brief soil descriptions are created for major soil components. The Rippowam soil is a minor component.

Map Unit 305B (3.44%)

Map Unit Name:	Paxton fine sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Paxton(80%)

horizon Ap(0cm to 20cm)	Fine sandy loam
horizon Bw1(20cm to 38cm)	Fine sandy loam
horizon Bw2(38cm to 66cm)	Fine sandy loam
horizon Cd(66cm to 165cm)	Gravelly fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 305B - Paxton fine sandy loam, 3 to 8 percent slopes

Component: Paxton (80%)
The Paxton component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on hills on uplands. The parent material consists of coarse-loamy lodgment till derived from gneiss, granite, and/or schist. Depth to a root restrictive layer, densic material, is 18 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 5 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Woodbridge (9%)
Generated brief soil descriptions are created for major soil components. The Woodbridge soil is a minor component.

Component: Ridgebury (6%)
Generated brief soil descriptions are created for major soil components. The Ridgebury soil is a minor component.

Component: Charlton (5%)
Generated brief soil descriptions are created for major soil components. The Charlton soil is a minor component.

Map Unit 305C (3.58%)

Map Unit Name:	Paxton fine sandy loam, 8 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Paxton(85%)

horizon H1(0cm to 8cm)	Fine sandy loam
horizon H2(8cm to 66cm)	Fine sandy loam
horizon H3(66cm to 152cm)	Fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 305C - Paxton fine sandy loam, 8 to 15 percent slopes

Component: Paxton (85%)
The Paxton component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills on uplands. The parent material consists of coarse-loamy lodgment till derived from gneiss, granite, and/or schist. Depth to a root restrictive layer, densic material, is 20 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 3e. This soil does not meet

hydric criteria.

Component: Charlton (7%)
Generated brief soil descriptions are created for major soil components. The Charlton soil is a minor component.

Component: Woodbridge (6%)
Generated brief soil descriptions are created for major soil components. The Woodbridge soil is a minor component.

Component: Ridgebury (2%)
Generated brief soil descriptions are created for major soil components. The Ridgebury soil is a minor component.

Map Unit 305D (1.11%)

Map Unit Name:	Paxton fine sandy loam, 15 to 25 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Paxton(85%)

horizon H1(0cm to 8cm)	Fine sandy loam
horizon H2(8cm to 66cm)	Fine sandy loam
horizon H3(66cm to 152cm)	Fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 305D - Paxton fine sandy loam, 15 to 25 percent slopes

Component: Paxton (85%)
The Paxton component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hills on uplands. The parent material consists of coarse-loamy lodgment till derived from gneiss, granite, and/or schist. Depth to a root restrictive layer, densic material, is 20 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Charlton (8%)
Generated brief soil descriptions are created for major soil components. The Charlton soil is a minor component.

Component: Woodbridge (6%)
Generated brief soil descriptions are created for major soil components. The Woodbridge soil is a minor component.

Component: Ridgebury (1%)
Generated brief soil descriptions are created for major soil components. The Ridgebury soil is a minor component.

Map Unit 30A (3.03%)

Map Unit Name:	Raynham silt loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	39cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Raynham(85%)

horizon H1(0cm to 25cm)	Silt loam
horizon H2(25cm to 94cm)	Silt loam
horizon H3(94cm to 152cm)	Stratified loamy fine sand to fine sandy loam to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 30A - Raynham silt loam, 0 to 3 percent slopes

Component: Raynham (85%)
The Raynham component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on depressions. The parent material consists of silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 15 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 7 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent.

Component: Belgrade (5%)
Generated brief soil descriptions are created for major soil components. The Belgrade soil is a minor component.

Component: Maybid (5%)
Generated brief soil descriptions are created for major soil components. The Maybid soil is a minor component.

Component: Scitico (5%)
Generated brief soil descriptions are created for major soil components. The Scitico soil is a minor component.

Map Unit 310A (0.08%)

Map Unit Name:	Woodbridge fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Woodbridge(85%)

horizon H1(0cm to 18cm)	Gravelly fine sandy loam
horizon H2(18cm to 64cm)	Gravelly fine sandy loam
horizon H3(64cm to 152cm)	Gravelly fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 310A - Woodbridge fine sandy loam, 0 to 3 percent slopes

Component: Woodbridge (85%)
The Woodbridge component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on hills on uplands. The parent material consists of coarse-loamy lodgment till derived from gneiss, granite, and/or schist. Depth to a root restrictive layer, densic material, is 20 to 39 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Paxton (7%)
Generated brief soil descriptions are created for major soil components. The Paxton soil is a minor component.

Soil Information

Component: Ridgebury (6%)
Generated brief soil descriptions are created for major soil components. The Ridgebury soil is a minor component.

Component: Sutton (1%)
Generated brief soil descriptions are created for major soil components. The Sutton soil is a minor component.

Component: Whitman (1%)
Generated brief soil descriptions are created for major soil components. The Whitman, extremely stony soil is a minor component.

Map Unit 310B (0.63%)

Map Unit Name:	Woodbridge fine sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Woodbridge(82%)

horizon Ap(0cm to 18cm)	Fine sandy loam
horizon Bw1(18cm to 46cm)	Fine sandy loam
horizon Bw2(46cm to 76cm)	Fine sandy loam
horizon Cd(76cm to 165cm)	Gravelly fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 310B - Woodbridge fine sandy loam, 3 to 8 percent slopes

Component: Woodbridge (82%)
The Woodbridge, fine sandy loam component makes up 82 percent of the map unit. Slopes are 3 to 8 percent. This component is on hills on uplands. The parent material consists of coarse-loamy lodgment till derived from gneiss, granite, and/or schist. Depth to a root restrictive layer, densic material, is 20 to 39 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 7 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Paxton (10%)
Generated brief soil descriptions are created for major soil components. The Paxton soil is a minor component.

Component: Ridgebury (8%)
Generated brief soil descriptions are created for major soil components. The Ridgebury soil is a minor component.

Map Unit 31A (3.76%)

Map Unit Name:	Walpole sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	5cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Walpole(80%)

horizon Oe(0cm to 3cm)	Mucky peat
horizon A(3cm to 18cm)	Sandy loam
horizon Bg(18cm to 53cm)	Sandy loam

horizon BC(53cm to 63cm)	Gravelly sandy loam
horizon C(63cm to 165cm)	Very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 31A - Walpole sandy loam, 0 to 3 percent slopes

Component: Walpole (80%)
The Walpole component makes up 80 percent of the map unit. Slopes are 0 to 3 percent. This component is on depressions on outwash plains. The parent material consists of sandy glaciofluvial deposits derived from igneous, metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 2 inches (depth from the mineral surface is 1 inches) during January, February, March, April, May, June, October, November, December. Organic matter content in the surface horizon is about 80 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Sudbury (10%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Component: Scarboro (10%)
Generated brief soil descriptions are created for major soil components. The Scarboro soil is a minor component.

Map Unit 404B (0.26%)

Map Unit Name:	Charlton fine sandy loam, 3 to 8 percent slopes, stony
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Charlton(85%)

horizon H1(0cm to 18cm)	Fine sandy loam
horizon H2(18cm to 33cm)	Fine sandy loam
horizon H3(33cm to 56cm)	Gravelly fine sandy loam
horizon H4(56cm to 152cm)	Gravelly sandy loam

Map Unit 4A (0.83%)

Map Unit Name:	Rippowam fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	23cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Rippowam(85%)

horizon H1(0cm to 13cm)	Fine sandy loam
horizon H2(13cm to 61cm)	Fine sandy loam
horizon H3(61cm to 152cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: 4A - Rippowam fine sandy loam, 0 to 3 percent slopes

Component: Rippowam (85%)
The Rippowam component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on alluvial flats. The parent material consists of loamy alluvium over sandy and gravelly alluvium derived from granite and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Component: Pootatuck (5%)
Generated brief soil descriptions are created for major soil components. The Pootatuck soil is a minor component.

Component: Saco (5%)
Generated brief soil descriptions are created for major soil components. The Saco soil is a minor component.

Component: Limerick (5%)
Generated brief soil descriptions are created for major soil components. The Limerick soil is a minor component.

Map Unit 52A (3.45%)

Map Unit Name:	Freetown muck, 0 to 1 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Freetown(85%)	
horizon Oe(0cm to 5cm)	Mucky peat
horizon Oa(5cm to 200cm)	Muck

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 52A - Freetown muck, central lowland, 0 to 1 percent slopes

Component: Freetown (85%)
The Freetown component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions on alluvial plains, depressions on uplands. The parent material consists of highly decomposed organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is rarely flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 82 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Component: Whitman (5%)
Generated brief soil descriptions are created for major soil components. The Whitman soil is a minor component.

Component: Scarboro (5%)
Generated brief soil descriptions are created for major soil components. The Scarboro soil is a minor component.

Component: Swansea (5%)
Generated brief soil descriptions are created for major soil components. The Swansea soil is a minor component.

Map Unit 5A (0.92%)

Map Unit Name:	Saco silt loam, 0 to 3 percent slopes

Soil Information

Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	8cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Saco(85%)

horizon H1(0cm to 30cm)	Silt loam
horizon H2(30cm to 112cm)	Silt loam
horizon H3(112cm to 152cm)	Stratified fine sand to very fine sand to very fine sandy loam to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 5A - Saco silt loam, 0 to 3 percent slopes

Component: Saco (85%)
The Saco component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial flats. The parent material consists of coarse-silty alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, September, October, November, December. Organic matter content in the surface horizon is about 7 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Limerick (10%)
Generated brief soil descriptions are created for major soil components. The Limerick soil is a minor component.

Component: Swansea (5%)
Generated brief soil descriptions are created for major soil components. The Swansea soil is a minor component.

Map Unit 651 (0.25%)

Map Unit Name:	Udorthents, smoothed

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 651 - Udorthents, smoothed

Component: Udorthents (100%)
The Udorthents component makes up 100 percent of the map unit. Slopes are 0 to 15 percent. This component is on leveled land, cuts (road, railroad, etc.). The parent material consists of loamy alluvium and/or sandy glaciofluvial deposits and/or loamy glaciolacustrine deposits and/or loamy marine deposits and/or loamy basal till and/or loamy lodgment till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Nonirrigated land capability classification is 6s.

Map Unit 727A (1.5%)

Map Unit Name:	Enosburg fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Soil Information

Major components are printed below

Enosburg(80%)

horizon H1(0cm to 23cm)	Fine sandy loam
horizon H2(23cm to 64cm)	Loamy sand
horizon H3(64cm to 152cm)	Stratified loamy sand to silty clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 727A - Enosburg fine sandy loam, 0 to 3 percent slopes

Component: Enosburg (80%)
The Enosburg component makes up 80 percent of the map unit. Slopes are 0 to 3 percent. This component is on terraces. The parent material consists of loose sandy glaciofluvial deposits over silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Component: Maybid (10%)
Generated brief soil descriptions are created for major soil components. The Maybid soil is a minor component.

Component: Amostown (5%)
Generated brief soil descriptions are created for major soil components. The Amostown soil is a minor component.

Component: Raynham (5%)
Generated brief soil descriptions are created for major soil components. The Raynham soil is a minor component.

Map Unit 727B (2.78%)

Map Unit Name:	Enosburg fine sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Enosburg(80%)

horizon H1(0cm to 23cm)	Fine sandy loam
horizon H2(23cm to 64cm)	Loamy sand
horizon H3(64cm to 152cm)	Stratified loamy sand to silty clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 727B - Enosburg fine sandy loam, 3 to 8 percent slopes

Component: Enosburg (80%)
The Enosburg component makes up 80 percent of the map unit. Slopes are 3 to 8 percent. This component is on terraces. The parent material consists of loose sandy glaciofluvial deposits over silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Component: Maybid (10%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Maybid soil is a minor component.

Component: Raynham (5%)
Generated brief soil descriptions are created for major soil components. The Raynham soil is a minor component.

Component: Amostown (5%)
Generated brief soil descriptions are created for major soil components. The Amostown soil is a minor component.

Map Unit 741A (5.37%)

Map Unit Name:	Amostown-Windsor silty substratum-Urban land complex, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	null
Major components are printed below	
Amostown(35%)	
horizon H1(0cm to 18cm)	Fine sandy loam
horizon H2(18cm to 81cm)	Fine sandy loam
horizon H3(81cm to 152cm)	Stratified very fine sand to silt loam
Windsor(25%)	
horizon H1(0cm to 20cm)	Loamy sand
horizon H2(20cm to 53cm)	Loamy sand
horizon H3(53cm to 114cm)	Sand
horizon H4(114cm to 152cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 741A - Amostown-Windsor silty substratum-Urban land complex, 0 to 3 percent slopes

Component: Amostown (35%)
The Amostown component makes up 35 percent of the map unit. Slopes are 0 to 3 percent. This component is on terraces, deltas, outwash plains. The parent material consists of friable sandy glaciofluvial deposits over silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Windsor (25%)
The Windsor, silty substratum component makes up 25 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash plains. The parent material consists of loose sandy glaciofluvial deposits over silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Component: Urban land (25%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Enosburg (10%)
Generated brief soil descriptions are created for major soil components. The Enosburg soil is a minor component.

Component: Maybid (5%)
Generated brief soil descriptions are created for major soil components. The Maybid soil is a minor component.

Soil Information

Map Unit 745C (5.08%)

Map Unit Name:	Hinckley-Merrimac-Urban land complex, 3 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hinckley(30%)	
horizon H1(0cm to 20cm)	Loamy sand
horizon H2(20cm to 33cm)	Loamy sand
horizon H3(33cm to 73cm)	Gravelly sand
horizon H4(73cm to 152cm)	Stratified g to coarse sand to very gravelly sand
Merrimac(25%)	
horizon H1(0cm to 41cm)	Gravelly fine sandy loam
horizon H2(41cm to 61cm)	Gravelly sandy loam
horizon H3(61cm to 152cm)	Stratified sand to very gravelly sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 745C - Hinckley-Merrimac-Urban land complex, 3 to 15 percent slopes

Component: Hinckley (30%)
The Hinckley component makes up 30 percent of the map unit. Slopes are 3 to 15 percent. This component is on kame terraces on valleys. The parent material consists of sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Merrimac (25%)
The Merrimac component makes up 25 percent of the map unit. Slopes are 3 to 15 percent. This component is on outwash terraces on outwash plains. The parent material consists of loamy glaciofluvial deposits derived from granite, schist, and gneiss over sandy and gravelly glaciofluvial deposits derived from granite, schist, and gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Urban land (25%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Sudbury (10%)
Generated brief soil descriptions are created for major soil components. The Sudbury soil is a minor component.

Component: Windsor (10%)
Generated brief soil descriptions are created for major soil components. The Windsor soil is a minor component.

Map Unit 747C (27.44%)

Map Unit Name:	Paxton-Charlton-Urban land complex, 3 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	8cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Soil Information

Major components are printed below

Paxton(40%)

horizon H1(0cm to 8cm)	Fine sandy loam
horizon H2(8cm to 66cm)	Fine sandy loam
horizon H3(66cm to 152cm)	Fine sandy loam

Charlton(20%)

horizon H1(0cm to 18cm)	Fine sandy loam
horizon H2(18cm to 56cm)	Fine sandy loam
horizon H2(18cm to 56cm)	Gravelly fine sandy loam
horizon H3(56cm to 152cm)	Gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 747C - Paxton-Charlton-Urban land complex, 3 to 15 percent slopes

Component: Paxton (40%)
The Paxton component makes up 40 percent of the map unit. Slopes are 3 to 15 percent. This component is on hills on glaciated uplands. The parent material consists of coarse-loamy lodgment till derived from gneiss, granite, and/or schist. Depth to a root restrictive layer, densic material, is 18 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Charlton (20%)
The Charlton component makes up 20 percent of the map unit. Slopes are 3 to 15 percent. This component is on hills on glaciated uplands. The parent material consists of coarse-loamy melt-out till derived from granite, gneiss, and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 8 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Urban land (20%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Woodbridge (9%)
Generated brief soil descriptions are created for major soil components. The Woodbridge soil is a minor component.

Component: Ridgebury (6%)
Generated brief soil descriptions are created for major soil components. The Ridgebury soil is a minor component.

Component: Whitman (5%)
Generated brief soil descriptions are created for major soil components. The Whitman soil is a minor component.

Map Unit 8A (1.46%)

Map Unit Name:	Limerick silt loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	23cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Limerick(85%)

horizon H1(0cm to 30cm)	Silt loam
horizon H2(30cm to 51cm)	Very fine sandy loam
horizon H3(51cm to 152cm)	Silt loam

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 8A - Limerick silt loam, 0 to 3 percent slopes

Component: Limerick (85%)
The Limerick component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on alluvial flats. The parent material consists of silty alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Component: Winooski (10%)
Generated brief soil descriptions are created for major soil components. The Winooski soil is a minor component.

Component: Saco (5%)
Generated brief soil descriptions are created for major soil components. The Saco soil is a minor component.

Map Unit 97A (0.05%)

Map Unit Name:	Suncook loamy fine sand, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	153cm
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Suncook(85%)

horizon H1(0cm to 25cm)	Loamy fine sand
horizon H2(25cm to 152cm)	Loamy fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 97A - Suncook loamy fine sand, 0 to 3 percent slopes

Component: Suncook (85%)
The Suncook component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of sandy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 60 inches during January, February, March, April. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Component: Pootatuck (5%)
Generated brief soil descriptions are created for major soil components. The Pootatuck soil is a minor component.

Component: Winooski (5%)
Generated brief soil descriptions are created for major soil components. The Winooski soil is a minor component.

Component: Hadley (5%)
Generated brief soil descriptions are created for major soil components. The Hadley soil is a minor component.

Map Unit 98A (0.59%)

Map Unit Name:	Winooski silt loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null

Soil Information

Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Winooski(85%)

horizon H1(0cm to 43cm)	Silt loam
horizon H2(43cm to 152cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 98A - Winooski silt loam, 0 to 3 percent slopes

Component: Winooski (85%)
The Winooski component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains. The parent material consists of silty alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hadley (10%)
Generated brief soil descriptions are created for major soil components. The Hadley soil is a minor component.

Component: Limerick (5%)
Generated brief soil descriptions are created for major soil components. The Limerick soil is a minor component.

Wells and Additional Sources

Wells & Additional Sources

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
1	USGS-422236072294301	53.00	NE
11	USGS-422232072304001	2727.24	W
20	USGS-422211072310601	4835.40	WSW
26	USGS-422248072311001	5240.89	WNW

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Supplies

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Driller Program

Map Key	Well ID	Distance (ft)	Direction
2	658795	271.58	SSW
3	255153	332.28	SW
3	255369	332.28	SW
3	255373	332.28	SW
3	255370	332.28	SW
3	255344	332.28	SW
4	655991	383.24	SSW
5	255367	1208.59	WSW
6	632458	1320.06	NW
7	158407	1408.33	SSE
7	158406	1408.33	SSE
8	255179	2158.01	WSW
8	120019	2158.01	WSW
8	254920	2158.01	WSW

Wells and Additional Sources Summary

9	960	2572.06	SSE
10	158408	2726.46	SSE
12	661223	2742.57	NNW
13	128311	3362.23	W
14	665976	3430.45	WSW
15	255332	4075.11	SE
16	158411	4177.38	SSE
16	158409	4177.38	SSE
17	111477	4692.47	N
18	262694	4696.87	NNW
19	255363	4774.12	W
21	140234	4880.75	E
22	13901	4994.52	W
23	255366	5002.05	W
24	618026	5152.69	W
25	14995	5197.72	W
25	103690	5197.72	W

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NE	0.01	53.00	174.45	FED USGS

Organiz Identifier:	USGS-MA	Formation Type:	
Organiz Name:	USGS Massachusetts Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	HAMPSHIRE
Construction Date:		Latitude:	42.3767567
Source Map Scale:		Longitude:	-72.494809
Monitoring Loc Name:	PELHAM RES SYS		
Monitoring Loc Identifier:	USGS-422236072294301		
Monitoring Loc Type:	Lake, Reservoir, Impoundment		
Monitoring Loc Desc:			
HUC Eight Digit Code:	01080201		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.52	2,727.24	243.54	FED USGS

Organiz Identifier:	USGS-MA	Formation Type:	
Organiz Name:	USGS Massachusetts Water Science Center	Aquifer Name:	
Well Depth:	35	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	35	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	HAMPSHIRE

Construction Date:		Latitude:	42.3756455
Source Map Scale:	25000	Longitude:	-72.5106427
Monitoring Loc Name:	MA-AIB 7		
Monitoring Loc Identifier:	USGS-422232072304001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	01080201		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	255.00		
Vertical Measure Unit:	feet		
Vertical Accuracy:	05		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	WSW	0.92	4,835.40	330.81	FED USGS

Organiz Identifier:	USGS-MA	Formation Type:	
Organiz Name:	USGS Massachusetts Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	HAMPSHIRE
Construction Date:		Latitude:	42.3698122
Source Map Scale:		Longitude:	-72.5178651
Monitoring Loc Name:	PRECIPITATION AT AMHERST, MASS		
Monitoring Loc Identifier:	USGS-422211072310601		
Monitoring Loc Type:	Atmosphere		
Monitoring Loc Desc:			
HUC Eight Digit Code:	01080201		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	
Vertical Measure Unit:	
Vertical Accuracy:	
Vertical Accuracy Unit:	
Vertical Collection Mthd:	
Vert Coord Refer System:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	WNW	0.99	5,240.89	281.94	FED USGS

Organiz Identifier:	USGS-MA	Formation Type:	
Organiz Name:	USGS Massachusetts Water Science Center	Aquifer Name:	
Well Depth:	33	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	33	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	HAMPSHIRE
Construction Date:		Latitude:	42.3800898
Source Map Scale:	25000	Longitude:	-72.5189762
Monitoring Loc Name:	MA-AIW 10		
Monitoring Loc Identifier:	USGS-422248072311001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	01080201		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	285.00		
Vertical Measure Unit:	feet		
Vertical Accuracy:	05		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Well Driller Program

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	SSW	0.05	271.58	173.19	WELL

Well ID:	658795	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	40
Work Performed:	Decommission	Street Name:	BELCHERTOWN
Date Complete:	10/5/2017	Town:	AMHERST
Dates:	10/5/2017 12:00:00 AM	Latitude:	42.372640
Total Depth:	20.00	Longitude:	-72.499080

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.06	332.28	176.30	WELL

Well ID:	255153	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	35
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	2/21/1992	Town:	AMHERST
Dates:	2/21/1992 12:00:00 AM	Latitude:	0.000000
Total Depth:	11.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.06	332.28	176.30	WELL

Well ID:	255369	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	35
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	7/11/1996	Town:	AMHERST
Dates:	7/11/1996 12:00:00 AM	Latitude:	0.000000
Total Depth:	9.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.06	332.28	176.30	WELL

Well ID:	255373	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	35
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	10/8/1996	Town:	AMHERST
Dates:	10/8/1996 12:00:00 AM	Latitude:	0.000000
Total Depth:	8.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.06	332.28	176.30	WELL

Well ID:	255370	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	35
Work Performed:	New Well	Street Name:	Belchertown Road

Date Complete:	7/11/1996	Town:	AMHERST
Dates:	7/11/1996 12:00:00 AM	Latitude:	0.000000
Total Depth:	11.50	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.06	332.28	176.30	WELL

Well ID:	255344	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	35
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	4/7/1994	Town:	AMHERST
Dates:	4/7/1994 12:00:00 AM	Latitude:	0.000000
Total Depth:	11.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SSW	0.07	383.24	175.81	WELL

Well ID:	655991	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	389
Work Performed:	Decommission	Street Name:	COLLEGE ST
Date Complete:	12/15/2016	Town:	AMHERST
Dates:	12/15/2016 12:00:00 AM	Latitude:	42.372350
Total Depth:	7.03	Longitude:	-72.500020

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	WSW	0.23	1,208.59	185.61	WELL

Well ID:	255367	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	292
Work Performed:	New Well	Street Name:	College Street
Date Complete:	6/21/1996	Town:	AMHERST
Dates:	6/21/1996 12:00:00 AM	Latitude:	0.000000
Total Depth:	15.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.25	1,320.06	205.16	WELL

Well ID:	632458	Depth to Bedrock:	5.00
Well Type:	Domestic	Street No:	00
Work Performed:	New Well	Street Name:	MOUNTAIN ROAD
Date Complete:	9/26/2013	Town:	CHARLEMONT
Dates:	9/26/2013 12:00:00 AM	Latitude:	42.378710
Total Depth:	180.00	Longitude:	-72.503740

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SSE	0.27	1,408.33	171.83	WELL

Well ID:	158407	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	132
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	7/30/2008	Town:	AMHERST
Dates:	7/30/2008 12:00:00 AM	Latitude:	0.000000
Total Depth:	14.50	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SSE	0.27	1,408.33	171.83	WELL

Well ID:	158406	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	132
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	7/29/2008	Town:	AMHERST
Dates:	7/29/2008 12:00:00 AM	Latitude:	0.000000
Total Depth:	9.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	WSW	0.41	2,158.01	198.34	WELL

Well ID:	255179	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	213
Work Performed:	New Well	Street Name:	College Street
Date Complete:	4/30/1993	Town:	AMHERST
Dates:	4/30/1993 12:00:00 AM	Latitude:	0.000000
Total Depth:	12.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	WSW	0.41	2,158.01	198.34	WELL

Well ID:	120019	Depth to Bedrock:	0.00
Well Type:	Monitoring	Street No:	213
Work Performed:	New Well	Street Name:	College Street
Date Complete:	6/13/2003	Town:	AMHERST
Dates:	6/13/2003 12:00:00 AM	Latitude:	0.000000
Total Depth:	15.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	WSW	0.41	2,158.01	198.34	WELL

Wells and Additional Sources Detail Report

Well ID:	254920	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	213
Work Performed:	New Well	Street Name:	College Street
Date Complete:	12/19/1997	Town:	AMHERST
Dates:	12/19/1997 12:00:00 AM	Latitude:	0.000000
Total Depth:	12.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SSE	0.49	2,572.06	171.08	WELL

Well ID:	960	Depth to Bedrock:	92.00
Well Type:	Irrigation	Street No:	260
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	4/17/2000	Town:	AMHERST
Dates:	4/17/2000 12:00:00 AM	Latitude:	0.000000
Total Depth:	400.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSE	0.52	2,726.46	170.16	WELL

Well ID:	158408	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	270
Work Performed:	New Well	Street Name:	Belchertown Road
Date Complete:	7/22/2008	Town:	AMHERST
Dates:	7/22/2008 12:00:00 AM	Latitude:	0.000000
Total Depth:	15.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.52	2,742.57	289.78	WELL

Well ID:	661223	Depth to Bedrock:	43.00
Well Type:	Domestic	Street No:	210
Work Performed:	New Well	Street Name:	North East Street
Date Complete:	8/27/2018	Town:	AMHERST
Dates:	8/1/2018 12:00:00 AM	Latitude:	42.383720
Total Depth:	540.00	Longitude:	72.500670

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	W	0.64	3,362.23	253.69	WELL

Well ID:	128311	Depth to Bedrock:	0.00
Well Type:	Monitoring	Street No:	40
Work Performed:	New Well	Street Name:	Dickinson Street
Date Complete:	10/22/2004	Town:	AMHERST

Dates:	10/21/2004 12:00:00 AM	Latitude:	0.000000
Total Depth:	15.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	WSW	0.65	3,430.45	239.25	WELL

Well ID:	665976	Depth to Bedrock:	32.00
Well Type:	Closed Loop	Street No:	59
Work Performed:	New Well	Street Name:	East Drive
Date Complete:	6/16/2020	Town:	AMHERST
Dates:	6/10/2020 12:00:00 AM	Latitude:	42.000000
Total Depth:	800.00	Longitude:	-73.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	SE	0.77	4,075.11	194.22	WELL

Well ID:	255332	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	90
Work Performed:	New Well	Street Name:	Gatehouse Road
Date Complete:	1/27/1993	Town:	AMHERST
Dates:	1/27/1993 12:00:00 AM	Latitude:	0.000000
Total Depth:	10.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SSE	0.79	4,177.38	179.70	WELL

Well ID:	158411	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	20
Work Performed:	New Well	Street Name:	Gatehouse Road
Date Complete:	7/22/2008	Town:	AMHERST
Dates:	7/22/2008 12:00:00 AM	Latitude:	0.000000
Total Depth:	18.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SSE	0.79	4,177.38	179.70	WELL

Well ID:	158409	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	20
Work Performed:	New Well	Street Name:	Gatehouse Road
Date Complete:	7/28/2008	Town:	AMHERST
Dates:	7/28/2008 12:00:00 AM	Latitude:	0.000000
Total Depth:	5.50	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	N	0.89	4,692.47	254.06	WELL

Well ID:	111477	Depth to Bedrock:	42.00
Well Type:	Domestic	Street No:	361
Work Performed:	Replacement	Street Name:	North East Street
Date Complete:	1/3/2003	Town:	AMHERST
Dates:	1/10/2003 12:00:00 AM	Latitude:	0.000000
Total Depth:	485.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NNW	0.89	4,696.87	335.27	WELL

Well ID:	262694	Depth to Bedrock:	10.00
Well Type:	Domestic	Street No:	161
Work Performed:	New Well	Street Name:	Red Gate Lane
Date Complete:	5/1/1966	Town:	AMHERST
Dates:	1/1/0001 12:00:00 AM	Latitude:	0.000000
Total Depth:	245.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	W	0.90	4,774.12	291.84	WELL

Well ID:	255363	Depth to Bedrock:	144.00
Well Type:	Domestic	Street No:	73
Work Performed:	New Well	Street Name:	Main Street
Date Complete:	9/23/1995	Town:	AMHERST
Dates:	9/23/1995 12:00:00 AM	Latitude:	0.000000
Total Depth:	305.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	E	0.92	4,880.75	280.01	WELL

Well ID:	140234	Depth to Bedrock:	11.00
Well Type:	Domestic	Street No:	Lot 14-3
Work Performed:	New Well	Street Name:	Amherst road
Date Complete:	12/29/2005	Town:	PELHAM
Dates:	12/30/2005 12:00:00 AM	Latitude:	0
Total Depth:	725.00	Longitude:	0

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	W	0.95	4,994.52	301.81	WELL

Well ID:	13901	Depth to Bedrock:	0.00
Well Type:	Monitoring	Street No:	40-50

Work Performed:		Street Name:	Main Street
Date Complete:	5/10/2002	Town:	AMHERST
Dates:	5/10/2002 12:00:00 AM	Latitude:	0.000000
Total Depth:	15.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	W	0.95	5,002.05	304.10	WELL

Well ID:	255366	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	34
Work Performed:	New Well	Street Name:	Main Street
Date Complete:	3/4/1996	Town:	AMHERST
Dates:	3/4/1996 12:00:00 AM	Latitude:	0.000000
Total Depth:	18.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	W	0.98	5,152.69	294.17	WELL

Well ID:	618026	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	102
Work Performed:	New Well	Street Name:	NORTH PLEASANT
Date Complete:	1/2/2013	Town:	AMHERST
Dates:	1/2/2013 12:00:00 AM	Latitude:	42.377280
Total Depth:	16.00	Longitude:	-72.519380

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	W	0.98	5,197.72	314.30	WELL

Well ID:	14995	Depth to Bedrock:	0
Well Type:	Monitoring	Street No:	15
Work Performed:		Street Name:	North Pleasant Street
Date Complete:	7/1/2002	Town:	AMHERST
Dates:	7/1/2002 12:00:00 AM	Latitude:	0.000000
Total Depth:	14.00	Longitude:	0.000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	W	0.98	5,197.72	314.30	WELL

Well ID:	103690	Depth to Bedrock:	0.00
Well Type:	Monitoring	Street No:	15
Work Performed:	New Well	Street Name:	North Pleasant Street
Date Complete:	1/24/2003	Town:	AMHERST
Dates:	1/24/2003 12:00:00 AM	Latitude:	0.000000
Total Depth:	14.00	Longitude:	0.000000

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *HAMPSHIRE* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *HAMPSHIRE* County

No Measures/Homes:	54
Geometric Mean:	2.6
Arithmetic Mean:	2.6
Median:	1.6
Standard Deviation:	1.8
Maximum:	14.1
% >4 pCi/L:	19
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the State/EPA Residential Radon Survey of Massachusetts conducted during 1988. Data represent 2-7 day charcoal canister tests.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

As of MA state regulatory agencies, FracTracker Alliance - state of Massachusetts confirmed not to have

any active (drilled but not plugged) oil and gas wells.

Public Water Supplies **PWS**

The Public Water Supply (PWS) datalayer made available by the Massachusetts Department of Environmental Protection (DEP) Office of Geographic Information (GIS) Program, in cooperation with DEP Drinking Water Program (DWP). Provides information regarding locations of groundwater supply sources.

Well Driller Program **WELL**

A list of well records made available in the Massachusetts Department of Environmental Protection's Well Drilling Search.

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CITY DIRECTORY

Project Property:	*Fort River Elementary School* *70 South East Street* *Amherst, MA 01002*
Project No:	*2936-05-01*
Requested By:	*O'Reilly, Talbot & Okun Associates, Inc.*
Order No:	*21121700085*
Date Completed:	*December 22, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

December 22, 2021
RE: CITY DIRECTORY RESEARCH
Fort River Elementary School
70 South East Street Amherst, MA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

1-100 of South East Street
650-900 of Main Street

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
1998	DIGITAL BUSINESS DIRECTORY	
1960	A	
1960	B	
1954	A	
1954	MANNINGS	
1948	MANNINGS	
1940	MANNINGS	
1933	MANNINGS	
1928	MANNINGS	

2020 MAIN STREET

SOURCE: DIGITAL BUSINESS DIRECTORY

650 **PERRY, FRED L DDS**...*Dentists*
664 **COHEN, RALPH L MD**...*Physicians & Surgeons*
664 **DAVIS, JUDITH**...*Psychologists*
664 **LEVY, DEBORAH J**...*Social Workers-clinical*
664 **LUKENS, JEAN**...*Psychotherapists*
664 **PORTER, JANE E**...*Psychotherapists*
664 **SMITH, COLBORN W**...*Psychologists*
664 **SOCIAL ENVIRONMENTAL**...*Research Service*
707 **DORSEY MEMORIAL**...*Monuments*
742 **JEWISH COMMUNITY OF AMHERST**...*Synagogues Jewish*
754 **AMHERST GLASS**...*Glass-auto Plate & Window & Etc*
800 **BALCONY BOOKING**...*Entertainment Bureaus*
800 **BALCONY BOOKING**...*Entertainers*
800 **BODIES IN BALANCE MASSAGE**...*Massage Therapists*
800 **HAYLEY MERMELSTEIN**...*Health Services*
800 **HERSH, GERALD E**...*Tax Return Preparation & Filing*
800 **LEARNING SKILLS-CORRECT READ**...*Reading Improvement Instruction*
835 **FANCY FINGERS NAIL & SKIN CARE**...*Manicuring*
835 **FANCY FINGERS NAIL & SKIN CARE**...*Skin Treatments*
835 **STYLES BY DEBORAH**...*Barbers*
835 **STYLES BY DEBORAH**...*Beauty Salons*
835 **STYLES BY DEBORAH**...*Health Spas*
835 **W S PICKERING & SON INC**...*Plumbing Contractors*
835 **W S PICKERING & SON INC**...*Heating Contractors*
835 **W S PICKERING & SON INC**...*Furnacesheating (whls)*

2020 SOUTH EAST STREET

SOURCE: DIGITAL BUSINESS DIRECTORY

6 **BACON WILSON PC**...*Music Instructionvocal*
6 **BACON WILSON PC**...*Attorneys*
6 **PENNYFARTHING INVESTMENT**...*Financial Advisory Services*
6 **PENNYFARTHING INVESTMENT**...*Investments*
58 **ROSE, MELANIE S**...*Social Workers*
70 **CAPACIDAD**...*Nonprofit Organizations*
70 **CAPACIDAD**...*Child Care Service*
70 **FORT RIVER ELEMENTARY SCHOOL**...*Schools*
70 **FORT RIVER ELEMENTARY SCHOOL**...*Schoolsuniversities & Colleges Academic*

650 **PERRY, FRED L DDS**...*Dentists*
664 **COHEN, RALPH L MD**...*Physicians & Surgeons*
664 **DAVIS, JUDITH**...*Psychologists*
664 **LUKENS, JEAN**...*Psychotherapists*
664 **PORTER, JANE E**...*Psychotherapists*
664 **SAYER, VEARLE A**...*Nurses-practitioners*
664 **SMITH, COLBORN W**...*Psychologists*
664 **SOCIAL ENVIRONMENTAL**...*Research Service*
664 **SOCIAL ENVIRONMENTAL RESEARCH**...*Research Service*
707 **DORSEY MEMORIAL**...*Monuments*
742 **JEWISH COMMUNITY OF AMHERST**...*Synagogues Jewish*
742 **JEWISH COMMUNITY OF AMHERST**...*Synagogues Jewish*
754 **AMHERST GLASS**...*Glass-auto Plate & Window & Etc*
800 **BALCONY BOOKING**...*Entertainers*
800 **BODIES IN BALANCE MASSAGE**...*Massage Therapists*
800 **GOTTA GO TAXI**...*Taxicabs & Transportation Service*
800 **HERSH, GERALD E**...*Tax Return Preparation & Filing*
800 **LEARNING SKILLS-CORRECT READ**...*Reading Improvement Instruction*
835 **FANCY FINGERS NAIL & SKIN CARE**...*Manicuring*
835 **FANCY FINGERS NAIL & SKIN CARE**...*Skin Treatments*
835 **STYLES BY DEBORAH**...*Barbers*
835 **STYLES BY DEBORAH**...*Beauty Salons*
835 **W S PICKERING & SON INC**...*Plumbing Contractors*
835 **W S PICKERING & SON INC**...*Heating Contractors*

6 **BACON WILSON PC**...*Attorneys*
6 **METEVIA JR, PAUL K CPA**...*Accountants*
6 **PENNYFARTHING INVESTMENT**...*Financial Advisory Services*
70 **CAPACIDAD**...*Child Care Service*
70 **FORT RIVER ELEMENTARY SCHOOL**...*Schools*

650 **AMHERST DENTAL GROUP**...*Dentists*
650 **BAGDASAROV, ARSEN DDS**...*Dentists*
650 **EISMAN, JEFFREY DDS**...*Dentists*
650 **HILL, TONY DDS**...*Dentists*
650 **PERRY, FRED L DDS**...*Dentists*
650 **STIEFEL, DANIEL DDS**...*Dentists*
650 **WELDON, SHARI L DDS**...*Dentists*
664 **BROWN, BRUCE MCDOU**...*Marriage & Family Counselors*
664 **COHEN, RALPH L MD**...*Physicians & Surgeons*
664 **DAVIS, JUDITH**...*Psychologists*
664 **LUKENS, JEAN**...*Psychotherapists*
664 **PORTER, JANE E**...*Psychotherapists*
664 **SMITH, COLBORN W**...*Psychologists*
707 **DORSEY MEMORIAL**...*Monuments*
742 **JEWISH COMMUNITY OF AMHERST**...*Synagogues Jewish*
754 **AMHERST GLASS**...*Glass-auto Plate & Window & Etc*
800 **GOTTA GO TAXI**...*Taxicabs & Transportation Service*
800 **LEARNING SKILLS-CORRECT READ**...*Reading Improvement Instruction*
800 **VALARDI HAIR**...*Beauty Salons*
835 **FANCY FINGERS NAIL & SKIN CARE**...*Manicuring*
835 **W S PICKERING & SON INC**...*Plumbing Contractors*

6 **BACON WILSON PC**...*Attorneys*
6 **KAPLAN, DAVID R**...*Attorneys*
70 **FORT RIVER ELEMENTARY SCHOOL**...*Schools*

2008 MAIN STREET
SOURCE: DIGITAL BUSINESS DIRECTORY

650 **AMHERST DENTAL GROUP**...*Dentists*
664 **CENTER FOR INTEGRATIVE HEALING**...*Mental Health Services*
664 **JAMES W COOKSY LICSW**...*Medical Doctor's Office*
664 **JANICE P LUZZI**...*Health Practitioner's Office*
664 **NEAL TERRI**...*Beauty Shop*
664 **PIONEER SENIOR SVC INC**...*Senior Citizens Service*
664 **PSYCHOLOGICAL & CAREER ASSOC**...*Psychotherapists*
664 **RALPH L COHEN MD**...*Physicians & Surgeons*
664 **RHONDA YUDIN**...*Health Practitioner's Office*
664 **RICHARD TROUSDELL**...*Health Practitioner's Office*
664 **SARAH HAWRYLAK**...*Psychotherapists*
664 **SHIATSU STUDIO**...*Massage Therapists*
664 **TERRI NEAL**...*Massage*
665 **JEAN LUKENS**...*Health Practitioner's Office*
707 **AMHERST MEMORIAL**...*Monuments*
707 **DORSEY MEMORIAL**...*Monuments*
742 **JEWISH COMMUNITY OF AMHERST**...*Synagogues*
754 **AMHERST GLASS**...*Screens-door & Window*
800 **FUTURES HEALTHCORE**...*Nurses & Nurses' Registries*
800 **LEARNING SKILLS-CORRECT READ**...*Reading Improvement Instruction*
800 **VALARDI HAIR**...*Beauty Salons*
810 **LADY THEES DRESS MAKING SHOP**...*Dressmakers*
826 **AMHERST PIANO CO**...*Pianos-tuning Repairing & Refinishing*
826 **SIFF SID**...*Repair Services*
835 **FANCY FINGERS NAIL & SKIN CARE**...*Manicuring*
835 **W S PICKERING & SON INC**...*Plumbing Contractors*

2008 SOUTH EAST STREET
SOURCE: DIGITAL BUSINESS DIRECTORY

6 **DECKER & METEVIA**...*Accountants*
6 **MONSEIN MONSEIN & MAC CONNELL**...*Attorneys*
70 **CAPACIDAD**...*Child Care Service*
70 **FORT RIVER ELEMENTARY SCHOOL**...*Schools*

650 **AMHERST DENTAL GROUP**...*Specialized Dental Practitioners*
650 **EISMAN JEFFREY DDS**...*Specialized Dental Practitioners*
650 **PERRY FRED L DDS**...*Specialized Dental Practitioners*
650 **REIFENSTAHL DEAN C DDS**...*Specialized Dental Practitioners*
650 **WELDON SHARI L DDS**...*Specialized Dental Practitioners*
664 **BANKS DONALD L**...
664 **BROWN BRUCE**...
664 **CLASSIC TOUCH SYSTEMS**...
664 **COHEN RALPH L MD**...*Internal Medicine Practitioners*
664 **CONSCIOUS RELATIONSHIP SPECS**...
664 **FANCY FINGERS NAIL & SKINCARE**...*Beauty Schools*
664 **GOSSELIN MARGARET**...
664 **JEFFREYS PAMELA**...
664 **LESLIE EDUCATIONAL ALTRNTVS**...
664 **PIONEER SENIOR SVC INC**...*General Counseling Services*
664 **PORTER JANE E**...
664 **PSYCHOLOGICAL & CAREER ASSOC**...
664 **RYAN JOHN V**...
664 **SHIATSU STUDIO**...
664 **SLOVIN THEODORE**...
664 **SMITH COLBORN W**...
664 **SPRING ASSOCIATES INC**...
664 **WALL MARY FRANCE**...
707 **AMHERST MEMORIAL**...
707 **DORSEY MEMORIALS**...*Building Stone*
742 **JEWISH COMMUNITY OF AMHERST**...
754 **AMHERST GLASS**...
800 **LEARNING SKILLS INC**...
800 **NEW ENGLAND ENVIRONMENTAL**...
800 **NEW ENGLAND WETLAND PLANTS INC**...
800 **THOMPSON LISA D**...
800 **VALARDI HAIR**...
810 **LADY THEE'S DRESS MAKING SHOP**...
826 **AMHERST PIANO CO**...*Recreational Vehicle Repair Services*
835 **W S PICKERING & SON INC**...*Plumbing Contractors*

6 **DECKER & METEVIA**...*Auditing Services*
6 **MAC CONNELL PETER W ATTY**...
6 **METEVIA JR PAUL K CPA**...*Auditing Services*
6 **MONSEIN MONSEIN & MAC CONNELL**...
70 **FORT RIVER ELEMENTARY SCHOOL**...*Public Elementary And Secondary Schools*

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650 **AMHERST DENTAL GROUP**...*Offices And Clinics Of Dentists*
664 **AMHERST PSYCHOTHERAPY ASSOCS**...*Offices Of Health Practitioner*
664 **ASCHER PAMELA PSYCHOTHRPST**...*Offices Of Health Practitioner*
664 **BANKS DONALD L PSYCHOLGST**...*Specialty Outpatient Clinics Nec*
664 **BROWN BRUCE MCDOUGALL PSYCHOTHRPST**...*Offices Of Health Practitioner*
664 **CANCER COUNSELING CENTER**...*Offices Of Health Practitioner*
664 **CENTER FOR INTEGRATIVE HEALING**...*Offices Of Health Practitioner*
664 **DAVIS JUDITH PSYCHOTHRPST**...*Specialty Outpatient Clinics Nec*
664 **DS ENVIRONMENTAL INC**...*Engineering Services*
664 **FERBER BETSY PSYCHOTHRPST**...*Offices Of Health Practitioner*
664 **GNIX USA INC**...*Durable Goods, Nec*
664 **GORFINE TETTY E PSYCHOTHRPST**...*Offices Of Health Practitioner*
664 **GOSSELIN MARGARET PSYCHOLGST**...*Offices Of Health Practitioner*
664 **LIFECOURSE COUNSELING CENTER**...*Offices Of Health Practitioner*
664 **LUKENS JEFFREY L PSYCHOLGST**...*Offices Of Health Practitioner*
664 **MASSAGE THERAPY FOR HEALTH FITNESS & TONE**...*Miscellaneous Personal Services*
664 **PIONEER SENIOR SERVICES INC**...
664 **PORTER JANE E PSYCHOTHRPST**...*Offices Of Health Practitioner*
664 **PSYCHOLOGICAL & CAREER ASSOCIATES**...*Specialty Outpatient Clinics Nec*
664 **SHIATSU STUDIO**...*Miscellaneous Personal Services*
664 **SLE RESOURCES**...*Business Consulting, Nec*
664 **SLOVIN THEODORE PSYCHOLGST**...*Specialty Outpatient Clinics Nec*
664 **SMITH COLBORN W PSYCHOLGST**...*Offices Of Health Practitioner*
664 **STRASSNER SALES INC**...*Industrial Supplies*
707 **DORSEY MEMORIALS**...*Miscellaneous Retail Stores, Nec*
742 **JEWISH COMMUNITY OF AMHERST**...*Religious Organizations*
742 **JEWISH COMMUNITY OF AMHERST RELIGIOUS SCHOOL**...*Elementary And Secondary Schools*
754 **AMHERST GLASS ALSO ANTIQUES**...*Used Merchandise Stores*
800 **FANCY FINGERS NAIL & SKINCARE SALON**...*Beauty Shops*
800 **NEW ENGLAND ENVIRONMENTAL INC**...*Civic And Social Associations*
800 **NEW ENGLAND WETLAND PLANTS INC**...*Retail Nurseries And Garden Stores*
800 **ORCHARD TRAILER SALES**...*Trucking, Except Local*
800 **VICKERS AMY & ASSOCIATES INC**...*Air Water And Solid Waste Management*
810 **LADY THEES DRESS MAKING SHOP**...*Women's Clothing Stores*
835 **PICKERING W S & SON INC PLUMBRS**...*Household Appliance Stores*

70 **AMHERST TOWN OF SCHOOLS ADMINISTRATION FORT RN**...*Elementary And Secondary Schools*
70 **AMHERST TOWN OF SCHOOLS REGIONAL HIGH SCHL ALTRNTV SR HIGH**...*Elementary And Secondary Schools*

Main—continued

785 McKenzie Llewellyn ◎
Hall Alphonso R
786 Ely Arthur R
792 Hawley George W
Pratt Charles S
797 Roberts Perry E
Bosworth Robert E
Rakis Anna Mrs
Lee Kathleen C Mrs
800 McKemmie T L plumber ◎
802 Anderson Carl
807 Tidlund F E Jr ◎
Read James
810 Parnell Richard D
Taub Harvey A
815 Howard Alice M ◎
820 Pickering Arthur B ◎
823 Vacant
826 Bradley Herbert E
827 Hammel Henry C ◎
829 Vacant
831 Pickering W S & Son plumbers
Pickering William S ◎
850 Pelham rd begins

630 Newell R D Jr Funeral Home
Rule Clarence M
635 Magrath Harold A ◎
636 Spaulding st begins
640 Holland James L
Honkonen R E
Beam John E
641 Slocombe Robert A ◎
647 Vlach Francis A ◎
Babb Clarence R
650 Scarborough H F elec ◎
Vacant
655 Rowell H George ◎
659 Shumway st begins
664 Smith Edith S Mrs ◎
665 Drake Charles E ◎
675 Getchell Conrad E ◎
Kimball Gladys
681 Hardy Margaret H Mrs
689 Cleveland Earl B
Vandette Edward J Jr
Vacant
694 Pierce Rose C Mrs
Levers Paul S
695 Gaylord Harold E ◎
Dalton Fred A
Basara Russell
697 Barry Edgar L
699 Dorsey T L monuments
702 Adams Grace J Mrs
Cote Norman
Austin James H
704 Mientka C B Mrs
709 Landry Paul J ◎
710 Landry William J ◎
711 Landry's Market grocers
713 Landry's Package Store
722 McKenna John A ◎
727 Miazza Louis J ◎
Heimburg Walker
734 Crutch Howard L
Goodhind Albert
738 Cook Ralph M J Rev
742 Second Congregational Church
743 Sheridan John D ◎
747 Nowokunski R V
Tanner Matt M
754 Randy's Store
Crowley Joseph R ◎
767 S East st begins
770 N East st begins
782 Cox Michael M ◎

South East (South Amherst)—continued
—Cornish G S landscape gardener ◎
Library Bdg
—Munson Memorial Library Bdg
—Munson Memorial Library
— South Congregational Church
—South Amherst Nursery School & Kindergarten Assn
—Kenseth Arnold M Rev
—Singleton Philip A◎
—Goman Earle W ◎
—Gardens The florists
—MacLeod Norman G ◎
—Billings Osmond J Rev ◎
—Shumway W O market gardener ◎
— Whitcomb Ernest E ◎
—Thornton Nelson D ◎
—Holt George H ◎
—Cowles Winfred P◎
— Cowles Homer W
—Shumway W O 2d◎
—Hawthorne M C Mrs ◎
— South Amherst Cemetery
—Shumway Clifford B ◎
—Cook Herbert F 2d◎
—Tietjen Richard D ◎
—Smith Truman C ◎
— Potwine la ends
—Dittfach John H ◎
—Langford Joseph W Jr ◎
—Fowlston Charles E ◎
—King Donald J ◎
—Hayes Ernest L ◎
—Weir Gertrude B Mrs ◎
—Atkins William C ◎
—Dimock Everett T◎
—Buker Errol L ◎
— Tiffany Lila M ◎
—Moreau Leo Jr ◎
—Miller Robert V ◎
—Atkins Naomi H Mrs ◎
— Glatz Frederick ◎
—Tidlund Eunice A Mrs ◎
—Atkins Howard W ◎
—Tiffany Clifford A◎
—Hutchings Herbert C ◎
—Trussell William D◎
—Kentfield Mary C Mrs ◎
—Mosakewicz Josephine Mrs ◎
—Aitola Arne R ◎
—Lyman F Brainard◎
— Barrett Donald B◎
— Garrow Theodore ◎
— Mechanic st (SA) begins
—Gray Rodney E ◎
—Kershlis Joseph P ◎
—Slaby Katherine Mrs ◎
— Malikowski John ◎

SOUTH PLEASANT fr 1 Main S to West (Right odd)
1 Jeffery Amherst Music Shop
5 Adams Henry Co drugs
7 McCrory McLellan Stores Corp dept store
21 Joe's Diner
25 Amherst Savings Bank Bdg
Amherst Savings Bank
29 Cramer G F Jr lwyr
Rogers J L dentist
Kirley T A archt
Connelly Mary A Mrs
Olson Ida Mrs
Christianson Donald
31 Winn Jewelers
Daily Hampshire Gazette
35 Russell's Package Store
37 Williams Block
Amherst Taxi Inc
Brown B G lwyr
Sullivan T E dentist
Aberlin Hedy
Phillips Rilla M
39 Mathews Shoe Store
43 Amherst Martinizing Co
45 Mercantile Buildings of Amherst
Hastings A J Inc news dlrs
47 Osmun K L Jewelers
49 Ford P T lwyr
Gourley Charles R
Dowd Michael J
Allen Elizabeth Mae
51 A'Herns dry goods

SOUTH EAST (South Amherst) fr S East S to Orchard rd
— Wood Henry G
43 East Street School
— S East st ends
—Mientka Mary Mrs◎
— Mill la ends
— Vacant
—Hanczaryk Edwin M ◎
—Rock Frank S ◎
—Killion Thomas J
—Phillips Charles L ◎
—Russell Donald J ◎
—Bailey John S ◎
—Craig G Armour ◎
—Main Harold C ◎
—Thayer Charles H◎
—Tenney Walter H ◎
—Wentworth James W ◎
—Clark Gerald W ◎
—Wentworth Harold T ◎
—Lannon Richard L ◎
—Bassett Roger F ◎
—Doran Hazel B Mrs ◎
—Miller Donald W ◎
—Wojtowicz Edward◎
—Baker Milford R ◎
—Smyth J Robert Jr◎
—Stoughton Arline M Mrs ◎
—Thompson C A Jr ◎
—Thompson Charles A ◎
—Summerlin John A ◎
—Kamins Patrick D ◎
—Martell Joseph A ◎
—Main Howard B ◎
— Middle st (SA) begins
—Kaniecki Edward J ◎
— Bratianu George A
— Station rd (SA) begins
—Ford Paul T ◎
—Webb Gregory W ◎

Main—continued

785 McKenzie Llewellyn ◎
Hall Alphonso R
786 Ely Arthur R
792 Hawley George W
Pratt Charles S
797 Roberts Perry E
Bosworth Robert E
Rakis Anna Mrs
Lee Kathleen C Mrs
800 McKemmie T L plumber ◎
802 Anderson Carl
807 Tidlund F E Jr ◎
Read James
810 Parnell Richard D
Taub Harvey A
815 Howard Alice M ◎
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823 Vacant
826 Bradley Herbert E
827 Hammel Henry C ◎
829 Vacant
831 Pickering W S & Son plumbers
Pickering William S ◎
850 Pelham rd begins

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Rule Clarence M
635 Magrath Harold A ◎
636 Spaulding st begins
640 Holland James L
Honkonen R E
Beam John E
641 Slocombe Robert A ◎
647 Vlach Francis A ◎
Babb Clarence R
650 Scarborough H F elec ◎
Vacant
655 Rowell H George ◎
659 Shumway st begins
664 Smith Edith S Mrs ◎
665 Drake Charles E ◎
675 Getchell Conrad E ◎
Kimball Gladys
681 Hardy Margaret H Mrs
689 Cleveland Earl B
Vandette Edward J Jr
Vacant
694 Pierce Rose C Mrs
Levers Paul S
695 Gaylord Harold E ◎
Dalton Fred A
Basara Russell
697 Barry Edgar L
699 Dorsey T L monuments
702 Adams Grace J Mrs
Cote Norman
Austin James H
704 Mientka C B Mrs
709 Landry Paul J ◎
710 Landry William J ◎
711 Landry's Market grocers
713 Landry's Package Store
722 McKenna John A ◎
727 Miazza Louis J ◎
Heimburg Walker
734 Crutch Howard L
Goodhind Albert
738 Cook Ralph M J Rev
742 Second Congregational Church
743 Sheridan John D ◎
747 Nowokunski R V
Tanner Matt M
754 Randy's Store
Crowley Joseph R ◎
767 S East st begins
770 N East st begins
782 Cox Michael M ◎

South East (South Amherst)—continued
—Cornish G S landscape gardener ◎
Library Bdg
—Munson Memorial Library Bdg
—Munson Memorial Library
— South Congregational Church
—South Amherst Nursery School & Kindergarten Assn
—Kenseth Arnold M Rev
—Singleton Philip A◎
—Goman Earle W ◎
—Gardens The florists
—MacLeod Norman G ◎
—Billings Osmond J Rev ◎
—Shumway W O market gardener ◎
— Whitcomb Ernest E ◎
—Thornton Nelson D ◎
—Holt George H ◎
—Cowles Winfred P◎
— Cowles Homer W
—Shumway W O 2d◎
—Hawthorne M C Mrs ◎
— South Amherst Cemetery
—Shumway Clifford B ◎
—Cook Herbert F 2d◎
—Tietjen Richard D ◎
—Smith Truman C ◎
— Potwine la ends
—Dittfach John H ◎
—Langford Joseph W Jr ◎
—Fowlston Charles E ◎
—King Donald J ◎
—Hayes Ernest L ◎
—Weir Gertrude B Mrs ◎
—Atkins William C ◎
—Dimock Everett T◎
—Buker Errol L ◎
— Tiffany Lila M ◎
—Moreau Leo Jr ◎
—Miller Robert V ◎
—Atkins Naomi H Mrs ◎
— Glatz Frederick ◎
—Tidlund Eunice A Mrs ◎
—Atkins Howard W ◎
—Tiffany Clifford A◎
—Hutchings Herbert C ◎
—Trussell William D◎
—Kentfield Mary C Mrs ◎
—Mosakewicz Josephine Mrs ◎
—Aitola Arne R ◎
—Lyman F Brainard◎
— Barrett Donald B◎
— Garrow Theodore ◎
— Mechanic st (SA) begins
—Gray Rodney E ◎
—Kershlis Joseph P ◎
—Slaby Katherine Mrs ◎
— Malikowski John ◎

SOUTH PLEASANT fr 1 Main S to West (Right odd)
1 Jeffery Amherst Music Shop
5 Adams Henry Co drugs
7 McCrory McLellan Stores Corp dept store
21 Joe's Diner
25 Amherst Savings Bank Bdg
Amherst Savings Bank
29 Cramer G F Jr lwyr
Rogers J L dentist
Kirley T A archt
Connelly Mary A Mrs
Olson Ida Mrs
Christianson Donald
31 Winn Jewelers
Daily Hampshire Gazette
35 Russell's Package Store
37 Williams Block
Amherst Taxi Inc
Brown B G lwyr
Sullivan T E dentist
Aberlin Hedy
Phillips Rilla M
39 Mathews Shoe Store
43 Amherst Martinizing Co
45 Mercantile Buildings of Amherst
Hastings A J Inc news dlrs
47 Osmun K L Jewelers
49 Ford P T lwyr
Gourley Charles R
Dowd Michael J
Allen Elizabeth Mae
51 A'Herns dry goods

SOUTH EAST (South Amherst) fr S East S to Orchard rd
— Wood Henry G
43 East Street School
— S East st ends
—Mientka Mary Mrs◎
— Mill la ends
— Vacant
—Hanczaryk Edwin M ◎
—Rock Frank S ◎
—Killion Thomas J
—Phillips Charles L ◎
—Russell Donald J ◎
—Bailey John S ◎
—Craig G Armour ◎
—Main Harold C ◎
—Thayer Charles H◎
—Tenney Walter H ◎
—Wentworth James W ◎
—Clark Gerald W ◎
—Wentworth Harold T ◎
—Lannon Richard L ◎
—Bassett Roger F ◎
—Doran Hazel B Mrs ◎
—Miller Donald W ◎
—Wojtowicz Edward◎
—Baker Milford R ◎
—Smyth J Robert Jr◎
—Stoughton Arline M Mrs ◎
—Thompson C A Jr ◎
—Thompson Charles A ◎
—Summerlin John A ◎
—Kamins Patrick D ◎
—Martell Joseph A ◎
—Main Howard B ◎
— Middle st (SA) begins
—Kaniecki Edward J ◎
— Bratianu George A
— Station rd (SA) begins
—Ford Paul T ◎
—Webb Gregory W ◎

South East (continued)

Right

East Street School
47 Lawton M Aldrich (4)
51 August J Wildner (2)
59 Mrs Grace L Gooding (4)
David Renwick (2)
Samuel H Jefferson (3)
59 Harvey Gentles (4)
67 Herbert L Ball (6)
85 Raymond S Powers (4)
89 John J Gwozdz (4)
Paradise Beauty Shop
— **College crosses**
123 Frank H Lambson (3)
133 Edward Paradise (2)
143 George F Greene (3)
Jack M Guyette (5)
Joseph S Wesoloskie (4)
— **CVRy crosses**
— **Tuttle rd (private)**
Off Miner W Tuttle (5)
Fort Hill Farms
Adelbert S Palmer (4)
— **B&MRR crosses**
Teofil Mientka (3)
— **Continues as S East (SA)**

SOUTH EAST STREET
From 747 Main (EA) to Mill la.
H-12

Left

6 Vacant
18 Vacant
18 Weymouth B Heath (4)
38 Herman T Dunklee (2)
Edwin K Wentworth (2)
58 Frank S Robinson (4)
58 Edward C Lamson (3)
58 Robert L Fay (2)
66 Walter G Lyman (2)
80 Alexander M Smith (5)
— **Belchertown rd begins**
— **College crosses**
118 James G Millar (5)
126 Joseph A Zawaski (2)
140 Malcolm W Turner (4)
148 Howard M Cady (2)
Francis Bielunis (4)
Arvo A Larsa (3)
John J Cashman (4)
Miner W Tuttle, Jr (4)
John Stampfli (2)
— **Stanley ends**
Ralph S Palmer (4)
Ernest G Tetreault (3)
Fort Hill Farms, dairy
— **CVRy crosses**
Mrs Catherine Basara (4)
— **B&MRR crosses**
William M Deteau (2)
— **Continues as S East (SA)**

— **Triangle begins**
360 Amherst Woman's Club
Duke H Schirmer (2)
Leonta G Horrigan (1)
Mrs Sarah C Piatt (1)
390 Mrs Susan H Skillings (1)
— **Gray begins**
446 Roland C Pierce (5)
Edward A Janse (3)
462 Helen C Harrington
462 Michael Garvey (5)
— **CVRy crosses**
502 Mrs Carrie B Hawley (2)
Chester J Wilga (2)
— **High begins**
534 Hamilton I Newell Inc, printers
536 Earl S Gott (2)
Jean A Pellissier (2)
Arthur D Goodhind (2)
Frederick W Meakim (3)
558 Floyd S Jones (2)
576 George W Kidder (5)
— **North Whitney begins**
596 Amherst Grange Hall
George W Thelin (7)
604 Leslie E Rowell (3)
616 Michael E Mahar (4)
622 Matthias Loven (4)
James H Austin (3)
Gordon T Pierce (3)
William E McGrath (3)
630 Charles D Meakins (6)
— **Spaulding begins**
640 Mrs Martha G Carkhuff (2)
Harry A Dow (2)
Harry Lauder (2)
650 Henry F Scarborough (5)
Donald E Thornton, landscaping
650 Donald E Thornton (14)
664 Mrs Edith S Smith (1)
— **Salem begins**
694 Clarence R Whitcomb (4)
Albert Whitcomb (6)
702 Mrs Grace J Adams (2)
Chester Pelis (3)
George E Hanson (2)
704 Mrs Caroline N Mientka (3)
710 William J Landry (2)
722 Mrs Catherine M Pollet (3)
Frank D Kikoski (1)
734 Murray M Goodhind (5)
Millis S Phillips (3)
738 Rev J Thomas Leamon (2)
742 Parish House, Second Cong Church
Second Congregational Church
752 Ned A Kellogg (2)
754 Randy's Store, groceries
— **N East av begins**
782 Michael M Cox (2)
786 Charles E Battistoni
792 Robert E Bosworth (10)
Mrs Ethel Moody (5)
796 Chester P Mientka (6)
800 Mrs Bertha H Lauder (2)
802 John W Lamont (3)
810 Arthur B Pickering (3)
810 William F Freshour (3)
826 Herbert E Bradley (3)
— **Continues as Pelham av**

Right
61 C & C Package Store Inc
63 Thomas Percy
Nelson I Garrow
67 Central Restaurant
69 Garland W Warren, clothing
73 David N Gordon (2)
73 William Stebbins
Charles G Barrett, physician
Charles G Barrett (1)
79 Amherst Cleansers & Dyers
85 Clifton J Magliola, chiropodist
87 C Richard Tillson, clothing
89 National Shoe Repair Co
91 rear Guilford E Gay (4)
rear Ermano Graiff (4)
rear Edward J Dowd (3)
99 Masonic Temple
109 Mrs Mary E Lojkin (1)
109 Andrew R Booth (6)
Andrew R Booth, optometrist
133 Mrs Mary R Pappas (1)
Newton Y Robinson (1)
— **Churchill begins**
165 First Congregational Church
— **Seelye begins**
229 Eugene M Holden, physician
Eugene M Holden (8)
— **Webster begins**
257 William K Harris (8)
285 Donald C Canning (3)
Edward P Daley (3)
Mrs Kathleen Powers (1)
Peter F Patnaude (4)
Frederick R Glennon (2)
Joseph Pluta (5)
321 Amherst Oil Co
— **Dickinson begins**
351 Mrs Adrienne M Turcotte (1)
351 Albert B Nelson
Robert H Chestnut (2)
Coleman E Herbert (2)
Mrs Lena M Nightingale (1)
353 Charles E Day (3)
363 Patterson's Service Station, gasoline and oil
365 Valmore Mercier, barber
367 Charles Cook (3)
375 Sheehan Block
Helen J Cummings (2)
375 Vacant
377 Randy's Store, grocery
381-383 Elder Jones Lumber Corp
381 Kimball & Cary Co, fuel and range oils
403 Amherst Grain & Coal Co
— **Kelly sq begins**
425 CV Ry Station
427 Ry Exp Agency Inc
— **Railroad begins**
437 Frank Rehorka, shoe repairing
Frank Rehorka (3)
439 Willis B Fay (1)
Daniel P Griffin (2)
441 Theodore J Greenwood (4)
— **CVRy crosses**
487 Jeremiah J Sullivan (4)
— **Sunrise av ends**
513 Alden L Johnson (4)
513 Edward J Bruce (4)
531 Leon A Hanks (3)
Florine E Newell (1)
Leon A Hanks, tires
Hanks Oil Co
553 John F Martin (3)
William Homer Watts (2)
571 William Haller, Jr (4)
— **S Whitney begins**
591 Florence L Sears (2)
599 Harvey G Strong (2)
613 Joseph Czerwonka (4)
Amherst Tree Service
613 Charles Pelham (4)
623 Eugene Moran (6)
625 Harry L O'Neil (5)
629 Walter E Webster (3)
James A Lowell (2)
635 Harold A Magrath (2)
Harold A Magrath, trucking
641 Robert A Slocombe (2)
647 Edward W Boudway (4)
647 Mrs Doris A Crichfield (3)
655 H George Rowell (6)
— **Shumway begins**
655 Charles E Drake (6)
675 Conrad E Getchell (3)
Herbert G Spindler (3)
681 Abbie Shaughnessy (3)
589 Bernard T Aldrich (6)
689 Walter L Guyotte (5)
589 Earl N Mason (2)
695 Louis J Kaleta (5)
695 Fred A Dalton (2)
697 John S Kaleta (2)

Main (continued)

697 Russell Basara (5)
697 Wesley H Rauch (3)
699 Thomas L Dorsey
Thomas L Dorsey, monuments
709 Paul J Landry (2)
711 Landry's Market
713 Landry's Package Store
727 Louis J Miazgo (4)
743 Diether G Markess
747 Howard L Crutch (5)
Leon O Barron (3)
— **S East begins**
785 Mrs Mary C Whitcomb (3)
Mrs Eva M Powers (1)
797 Eugene L'Heureux (8)
Vacant
Vacant
Vacant
807 Sanford L Payson (6)
Fritz E J Tidlund, Jr (4)
815 Alice M Howard (2)
823 Nathaniel M Sage, Jr (2)
827 Henry C Hammel (4)
829 William S Pickering (2)
829 John D Alexander (3)
829 Vacant
W S Pickering & Sons, plumbing and heating
— **Continues as Pelham rd**

South East (continued)

Right

East Street School
47 Lawton M Aldrich (4)
51 August J Wildner (2)
59 Mrs Grace L Gooding (4)
David Renwick (2)
Samuel H Jefferson (3)
59 Harvey Gentles (4)
67 Herbert L Ball (6)
85 Raymond S Powers (4)
89 John J Gwozdz (4)
Paradise Beauty Shop
— **College crosses**
123 Frank H Lambson (3)
133 Edward Paradise (2)
143 George F Greene (3)
Jack M Guyette (5)
Joseph S Wesoloskie (4)
— **CVRy crosses**
— **Tuttle rd (private)**
Off Miner W Tuttle (5)
Fort Hill Farms
Adelbert S Palmer (4)
— **B&MRR crosses**
Teofil Mientka (3)
— **Continues as S East (SA)**

SOUTH EAST STREET
From 747 Main (EA) to Mill la.
H-12

Left

6 Vacant
18 Vacant
18 Weymouth B Heath (4)
38 Herman T Dunklee (2)
Edwin K Wentworth (2)
58 Frank S Robinson (4)
58 Edward C Lamson (3)
58 Robert L Fay (2)
66 Walter G Lyman (2)
80 Alexander M Smith (5)
— **Belchertown rd begins**
— **College crosses**
118 James G Millar (5)
126 Joseph A Zawaski (2)
140 Malcolm W Turner (4)
148 Howard M Cady (2)
Francis Bielunis (4)
Arvo A Larsa (3)
John J Cashman (4)
Miner W Tuttle, Jr (4)
John Stampfli (2)
— **Stanley ends**
Ralph S Palmer (4)
Ernest G Tetreault (3)
Fort Hill Farms, dairy
— **CVRy crosses**
Mrs Catherine Basara (4)
— **B&MRR crosses**
William M Deteau (2)
— **Continues as S East (SA)**

Main (continued)
50 W E Aubuchon Co, hardware
— **Cook pl begins**
56 Beauty-Bar, beauty parlor
58 The Majestic Tailor
60 Mrs Mary E Holmes
60 Minnie E Thornton
60 Mary F Armstrong
60 MrsFlorence B Harlow
60 Leo Robinson
60 Paul H Struthers
60 The Tilley Camera Shop
— **Lessey begins**
258 Alfred L Hampson, sum res
258 The Evergreens
258 Dickinson Memorial House
289 Rev Hervey C Parke
— **Triangle begins**
360 Amherst Woman's Club
360 Mrs Harry A Burrows
360 Leonta G Horrigan
360 William O'Donnell
390 Mrs Susan H Skillings
— **Gray begins**
446 Roland C Pierce
446 Edward A Janse
462 Helen C Harrington
— **CV Ry crosses**
502 Herbert H Hawley
— **High begins**
534 Hamilton I Newell, Inc, printer
534 Amherst Journal
536 Mrs Claribel Baker
536 Thomas Cahill
536 Harold E Gaylord
536 Frederick W Meakim
558 Floyd S Jones
576 Vacant
— **North Whitney begins**
598 Wesley Methodist Church
598 Rev James H Laird
604 Leslie E Rowell
616 Michael E Mahar
622 Samuel Thomas
622 Mathias Loven
622 Arnold B Watson
622 August N Tidlund
622 George W Thornton
630 Alyn St C Ball
— **Spaulding begins**
640 James Boone
640 LaRue S Milne
640 John Fitzgerald
650 Henry P Scarborough
664 Philip H Smith
— **Salem begins**
694 Clarence R Whitcomb
694 Edwin K Wentworth
694 Clarence R Whitcomb, garage
702 William Hawthorne
702 Mrs Grace F Adams
702 Mrs Effie M Struthers
704 Mrs Caroline B Muentkay
710 William J Landry
732 Stanley C Moore
734 Murray M Goodhind
734 Alexander Zashey
738 Rev Charles D Paul
742 Parish House—Second Cong Church
742 Second Cong Church
752 Ned A Kellogg
754 Ned A Kellogg, grocer
— **N East av begins**
782 Michael M Cox
786 Martin Taraska
792 Robert E Bosworth
792 Ivan Moody
800 Chester P Wientka
802 John W Lamont
810 Anthony Serinoski
826 Herbert E Bradley
— **Continues as Pelham rd**
Right
61 C & C Package Store
63 Vacant
63 Anthony P Matusko
65 Grandonico's Restaurant
71 Vacant
73 John E Janse
73 E Richard Post, optometrist
73 Charles G Barrett, physician
73 Charles G Barrett
79 Amherst Cleansers & Dyers
85 Clifton J Magliola, chiropodist
91 rear Guilford E Gay
91 rear Ermano Graiff
91 rear Mrs Louise A Howland
87 C Richard Tillson, clothing
89 National Shoe Repair Co
99 Masonic Building Assoc, Inc
109 Andrew R Booth
109 Andrew R Booth, optometrist
133 Mrs Mary Pappas
133 Philip A Dickey
133 Vacant
133 Vacant
133 William F Robertson
— **Church begins**
165 First Congregational Church
— **Seelye begins**
229 Eugene M Holden, physician
229 Eugene M Holden
— **Webster begins**
257 Mrs M Constance Rawson
285 Donald C Canning
285 Edward P Daley
285 James B Powers
285 Peter F Patnaude
285 Frederick R Glennon
285 Joseph Pluta
321 Amherst Oil Co
— **Dickinson begins**
351 Frank T Turcotte
351 Ethel Sheldon
351 John A Page
351 Patrick L Joy
351 Mrs Lena M Nightingale
353 Donald H Campbell
363 Patterson's Service Station, gasoline and oil
373 Joe Jelski's Barber Shop
373 Charles Cook
375 Sheehan Block
375 Helen J Cumming
375 Joseph C Jelski
377 Hank's Grocery Store
381 Vacant
383 Vacant
401 Elder Jones Lumber Corp
403 Amherst Grain Co, flour and grain
425 CV Ry Sta
Kelley Square
427 Ry Exp Agency
— **Railroad begins**
437 Frank Rehorka, shoe repairing
437 Frank Rehorka
439 Willis B Fay
439 Daniel P Griffin, carp cont
439 Daniel P Griffin
441 Theodore J Greenwood
— **CV Ry crosses**
487 Jeremiah J Sullivan
— **Sunrise av ends**
— **Sunset av begins**
513 Thomas Moore
513 Edward J Bruce
531 Leon A Hanks
531 George H Cadwell
531 Leon A Hanks, tires
531 William G Hanks Oil Co
553 Mrs Katherine M Crowley
553 Mrs Mary Lambert
553 Vacant
571 William W Gibson
— **S Whitney begins**
591 Harry H Sears
599 H Flyod Martin
599 Janet M Renwick
613 Wellington A Sauer
613 Arnold B Freitas
623 Leonard G Blodgett
625 Harry L O'Neil
639 Walter E Webster
629 James A Lowell
635 Harold A Magrath
641 Robert A Slocombe
647 Edward W Boudway
647 Myron H Atwood
655 James E Deady
— **Shumway begins**
665 Charles E Drake
675 Conrad E Getchell
675 J Henry Korson
681 Abbie Shaughnessy
689 Donald S Irwin
689 Charles H Williams
695 Alexander Gervickas
695 Russell Bassara
697 Alexander Gervickas
699 Thomas L Dorsey
699 Thomas L Dorsey, monuments
709 Paul J Landry
711-713 Landry's Cash Market
727 Louis J Miezga
743 Horace W Hewlett
747 Howard L Crutch
747 Mrs Annie W Wentworth
— **S East begins**
785 George W Whitcomb
785 Mrs Clara B Dickinson
797 John M Tasker
797 Mrs Clara M Bateman
797 Nelson I Garrow
797 Sylvanus C Crump
807 Sanford L Payson
807 Mrs Mary Mientka
815 Alice M Howard
823 Harry E Barlow
— **Continues as Pelham rd**

MAPLE STREET
From between 434 and 444 N Pleasant westerly
Left
No houses
Right
13 Francis M Britt

MARKET HILL ROAD (Amherst)
From Cushman to Town Line
Left
Robert C Francis
Harold T Whittemore
Max Stosz
The John F Jewitt Co, radios
John F Jewitt
Ernest LeClair
Charles W Smith
Right
Eugene M Battistoni
Eugene Battistoni
Paul Battistoni
— **Flat Hills rd ends**
Vacant

MATTOON STREET (Amherst)
From 47 Triangle northeasterly
Left
No houses
Right
— **Taylor begins**
3 Mrs Edith D Newell

McCLELLAN STREET (Amherst)
From 274 N Pleasant west to 245 Lincoln av
Left
10 W Hastings Lyon
16 Robert Adair
20 Mrs Annie A Connor
24 Henry E Wilson
30 Earl W Plebut
36 Mrs Nora Reddy
42 John Goodhind
42 Fritz Tidlund
46 Stanley Jackson
50 Mrs Mittie Anderson
54 Doris Smith

SOUTH EAST STREET (Amherst)
From 823 Main (E A) to Mill Lane

Left
6 Homestead Farms office
18 Benton P Cummings
38 Herman T Dunklee
38 Luther L Tener
58 Frederick K LaBroad
58 Edward J Mientha
58 Lawrence M Aldrich
80 Alexander M Smith
— **Belchertown rd begins**
118 James G Millan
126 Joseph A Zawaski
140 Benjamin R Turner
148 Howard M Cady
Frank M Bielunis
John J Cashman
Mrs Frances J Palliser
John Stampfli
— **Stanley ends**
Milton R Wedge
Fort Hill Farms dairy
— **CV Ry crosses**
Mrs Catherine Basara
— **B&MRR crosses**
William M Deteau

Right
East Street School
47 C Henry Aldrich
51 August J Wildner
59 Mrs Grace L Gooding
59 Ralph E Newport
61 Reginald C Thornton
61 George N Jenks
67 George H Scarborough
89 John Basara
— **College crosses**
123 Frank H Lambson
143 George F Greene
Vacant
Sumner D Laraway
— **CV Ry crosses**
Off Miner W Tuttle
Fort Hill Farm
Adelbert S Palmer
Teofil Mientka

536 Mrs Gertrude M White
536 Mrs Agnes Matrishon
536 John D Peterson
536 Mrs Ruth M Adams
558 Floyd S Jones
576 Matilda K Orr
— **Whitney begins**
598 Wesley Methodist Church
598 Rev Arthur Hopkinson Jr
604 Leslie E Rowell
616 Michael E Mahar
622 Walter B Haynes
622 Vacant
622 Mathias Loven
622 William Kzcowski
630 Alyn St C Ball
— **Spaulding begins**
640 Jennie M Allen
640 Eugene W Williams
640 Louis J Bush
650 Albert W Staples
650 Mrs Anna M Gilman
664 Philip H Smith
— **Salem begins**
694 Vacant
694 George A Knight
702 William Hawthorne
702 Wilbur Hawthorne
702 Vacant
704 Mrs Cora Goodale
722 Warren N Logan
722 Logan's, vegetables
732 Vacant
732 William J Lynch
732 Vacant
734 Vacant
738 Albert R Chapman
742 Parish House—Second Cong Church
742 Second Cong Church
754 Ned A Kellogg, grocer

Main (Amherst) (continued)
752 Ned A Kellogg
— **N East av begins**
782 George W Thornton
784 John B Moulton
786 Martin Taraska
792 William H Parent
792 Genero D Cuzzone
800 Harold B Herbert
802 John W Lamont
810 Anthony Serinoski
826 Herbert E Bradley
Right
61 Judge Block
61 National Shoe Repair Co
61 National Cleansers
63 Vincent Grandonico
63 Morris H Powers
65 Grandonico's Restaurant
73 Charles G Barrett, physician
73 Charles G Barrett
79 Amherst Cleansers & Dyers
85 Beauty-Bar, beauty parlor
91 Nelson P Major
91 rear Herbert L Turner
87 C Richard Tillson, clothing
89 Amherst Taxi Co
99 Masonic Building Asso, Inc
109 Caroline A Marsh
133 Mrs Mary Pappas
133 Mrs Mary Pappas, rooms
— **Churchill begins**
165 First Congregational Church
— **Seelye begins**
229 Wolfert G Webber, physician
229 Wolfert G Webber
— **Webster begins**
257 Mrs M Constance Rawson
285 William B Roberts
285 James B Powers
285 Charles B Ward
285 Carl E Meyer
285 Patrick M Tuomey
285 William E Palmer
— **Dickinson begins**
321 Main St Garage
321 Amherst Oil Co
351 Frank T Turcotte
351 Kenneth C Livermore
351 John Fotos
351 Patrick L Joy
351 Claude H Major
353 Ralph M Holmes
363 Patterson's Service Station, gasoline and oil
373 Economy Barber Shop
373 Vacant
375 Sheehan Block
375 William Reed
375 Helen J Cummings
375 Arthur Z Bolter
377 The Great A & P Tea Co, grocers
381 Vacant
383 Mrs Mildred A Hanks, conf
383 Harold L Hanks
401 C R Elder & Son, lumber, paints and oils
403 Amherst Grain Co, flour and grain
405 Wright Apartments
Hollis Bernard
Anthony P Matusko
James P Coyne
Douglas H Wright
409 Vacant
425 C V Ry Sta
427 Ry Exp Agency
— **Railroad begins**
437 Frank Rehorka, shoe repairing
437 Frank Rehorka
439 Willis B Fay
439 Theodore A Greanier
441 Jeremiah J Sullivan
— **C V Ry crosses**
487 Herman E Darling, Jr
513 Lawrence E Jenks
513 Mrs Emma C Jenks
531 Leon A Hanks
531 Herbert Randolph
531 Leon A Hanks, tires and service sta
531 William G Hanks, fuel oil
— **Sunrise av begins**
553 Mrs Catherine M Crowley
553 Frank Cronk
553 Amherst Auto Service, repairing
571 Frederick E Wilson
— **S Whitney ends**
591 Harry H Sears
599 Harry L Allen
613 Mrs Annie W Wentworth
613 Daniel P Griffin
623 Leonard G Blodgett
625 Harry L O'Neil
629 Gus Palelis
629 Walter E Webster
635 Harold A Magrath
641 Robert A Slocumbe
647 Wesley L Jansen
647 Myron H Atwood
655 James E Deady
— **Shumway begins**
665 Mrs Ida McKemmie
665 Arthur Crutch
675 Conrad E Getchell
675 Mrs Esther M Carpenter
681 Abbie Shaughnessy
689 Victor A Pineo
689 Charles H Williams
695 Alexander Gervickas
697 Joseph A Zawaski
697 Thomas Cahill
699 Alson R Bridgman
709 Paul J Landry
711 Landry's Cash Market
713 Bray's Service Sta, gas and oils
727 James A Burt
743 David H Renwick
747 Levi H Moulton
749 Vacant
— **S East begins**
785 George W Whitcomb
797 John M Tasker
797 Mrs Mary Mientka
797 Christopher Bateman
797 Sylvanus C Crump
807 Wallace A Young
807 Brinton A Baker
815 Alice M Howard
823 Harry E Barlow

MAPLE STREET
From between 434 and 444 N Pleasant westerly
Left
No houses
Right
13 Francis Britt

MARKET HILL (Amherst)
From Cushman to Town Line
Left
William B Nanartonis
Joseph P Lovely
Ernest LeClair
Robert R Hanks
Right
Eugene M Battistoni
Eugene Battistoni
Charles E Battistoni
— **Flat Hills rd ends**
Mrs Wilda Chicoine

MATTOON STREET (Amherst)
From 47 Triangle northeasterly
Left
No houses
Right
— **Taylor begins**
57 Vacant

McCLELLAN STREET (Amherst)
From 274 N Pleasant west to 245 Lincoln av
Left
10 Mrs Mary A Sanderson
16 Henry L Pike
20 Mrs Annie A Connor
24 Henry E Wilson
30 Earl W Flebut
36 Mrs Nora Reddy
42 Frederick Clark
42 Mrs Cora Walker
46 Stanley Jackson
50 Mrs Mittie Anderson
54 Mrs Hattie Smith
68 Fred A Gravlin

NO LISTINGS IN RANGE

SOUTH EAST STREET
(Amherst)
From Main E A to Mill Lane

Left

2 Frank B Dickinson
6 Vacant
12 Robert Adair
18 Wesley L Jansen
— **Belchertown rd begins**
Colonial Beacon Oil Co
August K Petroski
30 Benjamin R Turner
Howard M Cady
A Edward Bacon
Jeremiah Cashman
Darwin E Owen
Earle D Owen, milk dealer
— **Stanley ends**
Thomas J Lampron
— **C V Ry crosses**
Stanley Basara
— **B & M R R crosses**
William M Deteau

Right

3 Mrs Minnie E Thornton
3 Robert A Thompson
3 Vacant
Public School
9 C Henry Aldrich
11 Clarence A Gooding
13 Vacant
13 William L Bridges
13 Clayton E Thornton
13 Nicholas Rossi
19 George Scarborough
— **College ends**
29 Frank H Lambson
29 George F Greene
31 George F Greene
Henry R Bilger
— **C V Ry crosses**
George L LaPlante
— **B & M R R crosses**
Teofil Mientka
— **Mill Lane ends**

NO LISTINGS IN RANGE

SOUTH EAST STREET
(Amherst)
From Main E A to Mill Lane

Left

2 Frank B. Dickinson
6 Charles H. Dickinson
12 Robert Adair
18 Alfred C. Jansen
— Belchertown rd begins
24 Anthony Stevenson
24 Frederick D. Steinbeck
30 Benjamin R. Turner
— A. Edward Bacon
— Jeremiah Cashman
— Darwin E. Owen
— Stanley street ends
— Thomas J. Lampron
— C. V. R. R. crosses
— Stanley Bazara
— B. & M. R. R. crosses
— William M. Deteau

Right

3 Herbert Goodrich
3 Mrs. Josephine Rockwell
3 Vacant
— Public school
9 Charles Stevens
11 Clarence A. Gooding
13 Frank Schmekel
13 A. Raymond Chamberlain
13 Philip O. Page
13 Ralph Brown
19 Edward A. Seymour
19 Vacant
19 Mrs. Abbie W. Dolman
— College street ends
29 George F. Greene

--- END REPORT ---

APPENDIX F

PHOTOGRAPHS

Photograph 1 – 70 S. East Street - Fort River Elementary School.

Photograph 2 – Fort River Elementary west side of building.

Photograph 3 – Fort River Elementary north side of building.

Photograph 4 – Fort River Elementary northeast side of building.

Photograph 5 – Fort River Elementary southeast side of building.

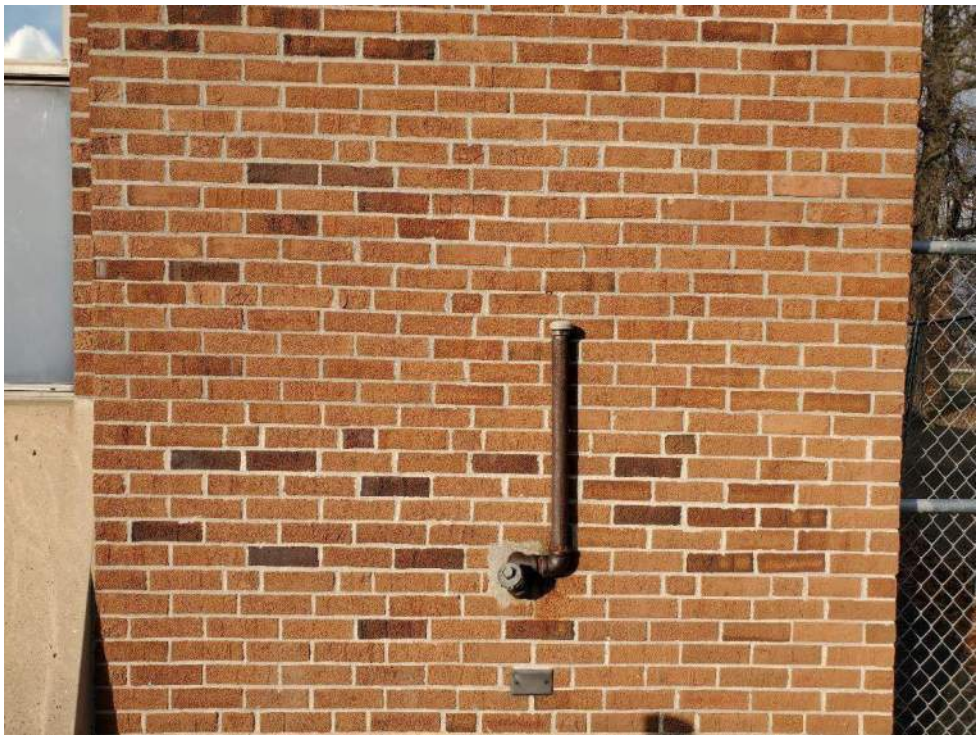
Photograph 6 – Mechanical hookups on south side of building.

Photograph 7 – Solid waste disposal south of building.

Photograph 8 – Recreational bathroom south of building.

Photograph 9 – 55-gallon drums north of building.

Photograph 10 – Sand stored in 55-gallon drum to support event tent.



Photograph 11 – Vent and fill for generator diesel tank.

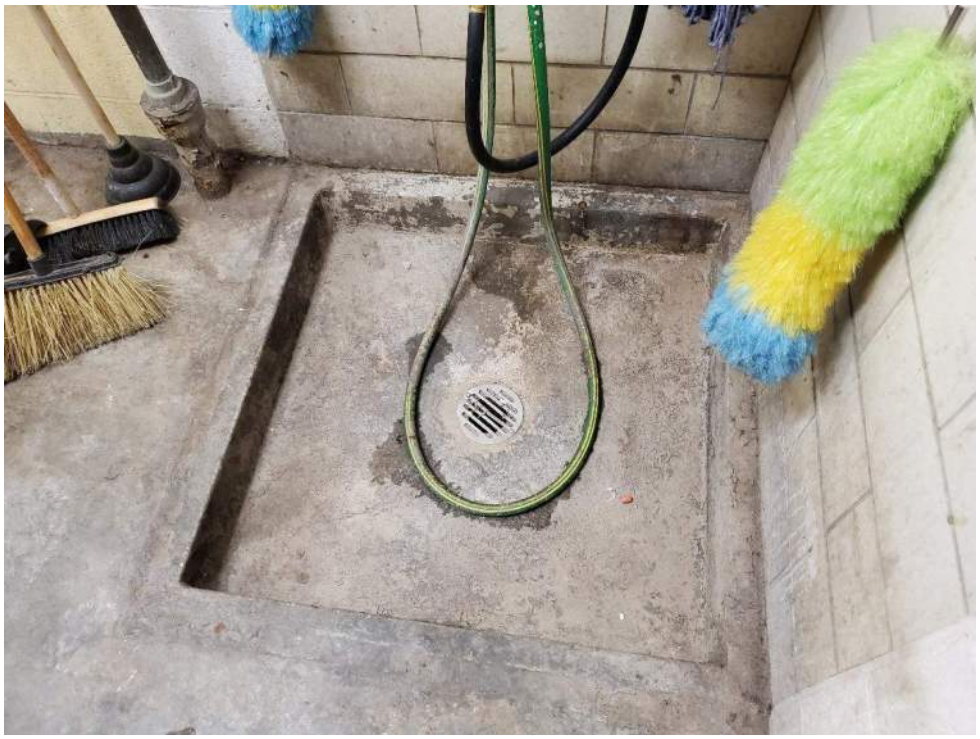
Photograph 12 – Former 10,000-gallon UST area.

Photograph 13 – Fort River Elementary south side of building.

Photograph 14 – Fort River Elementary building roof.

Photograph 15 – Quad courtyard catch basin.

Photograph 16 – Cleaning supply storage in custodial area.



Photograph 17 – Custodial staff wash area with drainage.

Photograph 18 – Typical quad classroom.

Photograph 19 – Typical bathroom floor drain.

Photograph 20 – Mezzanine air handling unit.

Photograph 21 – Mezzanine surface drain and 5-gallon bucket 2/3 full of leaking water.

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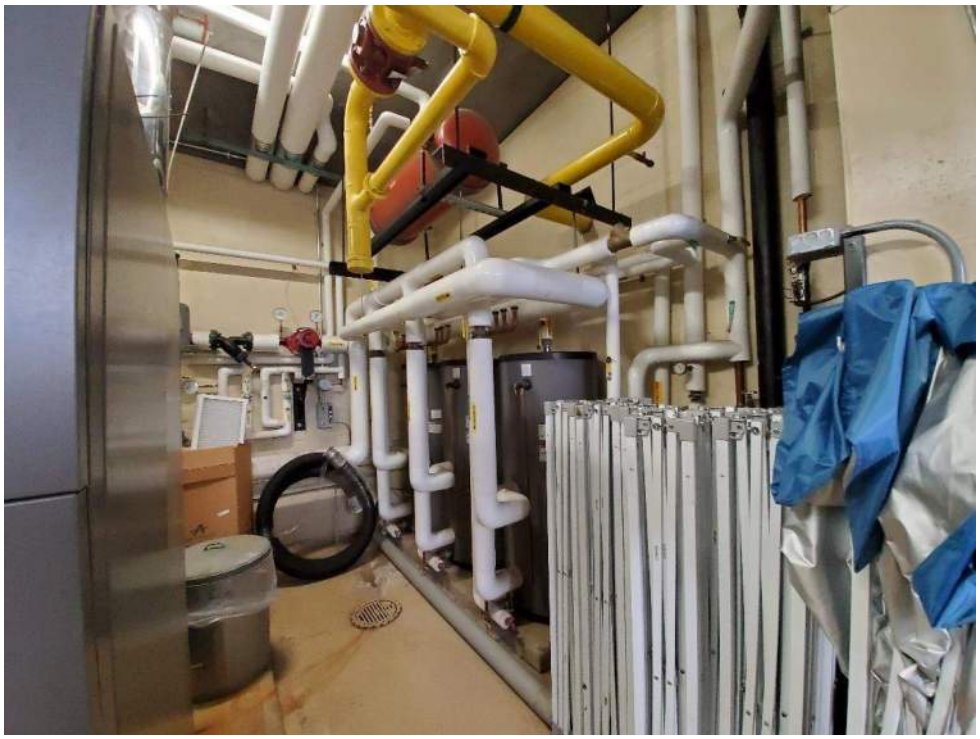
Photograph 26 – Kitchen area.

Photograph 27 – Custodial area.

Photograph 28 – Mechanical room.

Photograph 29 – 125-gallon diesel tank in mechanical area.

Photograph 30 – Mechanical room drainage with some corrosion.



Photograph 31 – Water heaters in mechanical room.

Photograph 32 – Air handling unit in mechanical room.

Photograph 33 – Transformer near southwest corner of building.

Photograph 34 – Storage facility on southwest portion of property (no access given).

Photograph 35 – Air conditioning unit, no longer in use.

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PHASE I-ENVIRONMENTAL SITE ASSESSMENT

Wildwood School
71 Strong Street
Amherst, Massachusetts

Prepared for:

Mr. Ammar Dieb
Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702-6218

Prepared by:

Lord Associates, Inc.
1506 Providence Highway, Suite 30
Norwood, Massachusetts 02062

Project # 2321

October 20, 2015

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October 20, 2015

Mr. Ammar Dieb
Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702-6218

RE: Phase I Environmental Site Assessment
Wildwood School
71 Strong Street
Amherst, Massachusetts

Dear Mr. Dieb:

Lord Associates, Inc. has completed a Phase I Environmental Site Assessment of the referenced property (the "Site"). Environmental investigations were completed with consideration to standard industry practice, the ASTM E-1527 site assessment standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", applicable regulations as defined by Chapter 21E of the Massachusetts General Laws, and the Massachusetts Contingency Plan (MCP, 310 CMR 40.0000). The purpose of this assessment was to identify "Recognized Environmental Conditions" as defined in ASTM E-1527-13, and to determine if additional investigation is warranted.

This assessment has identified one Recognized Environmental Condition (REC) in connection with the Site, as follows:

- One 10,000-gallon fuel oil UST is located on the Site. The tank is constructed of fiberglass and is approximately 17 years old.

Please refer to the attached report for specific details and findings of our assessment. We appreciate the opportunity to have provided our professional environmental consulting and analytical services.

Sincerely,
LORD ASSOCIATES, INC.

Ralph Tella, CHMM, LSP
President

Nathaniel L. Finsness
Senior Project Manager

Enc.: Phase I ESA

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Purpose

Lord Associates, Inc. (LAI) has completed a Phase I Environmental Site Assessment for the Wildwood School located at 71 Strong Street in Amherst, Massachusetts (the "Site"). The purpose of this assessment was to identify "Recognized Environmental Conditions" as defined in ASTM standard E1527-13 (the Standard), and to determine if additional investigation is warranted.

Recognized Environmental Conditions are defined as the presence or likely presence of any hazardous substances or petroleum products on the property under conditions that indicate an existing release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term Recognized Environmental Conditions is not intended to include *de minimis* conditions which generally do not present a material risk of harm to public health or the environment, and that generally would not be the subject of a notification and/or enforcement action if brought to the attention of appropriate governmental agencies.

The Phase I consisted of a Site reconnaissance and an assessment of the Site and surrounding properties for visual and/or olfactory evidence of the use, storage, and/or release of oil and/or hazardous material. The Phase I also included a review of federal, state, and local agency files regarding the history of the Site and surrounding area relative to the use, storage and/or release of oil and/or hazardous material.

Please note that an investigation for the presence of mold, asbestos and PCBs in building materials, lead-based paint, indoor air quality, or regulatory compliance is beyond the scope of work described by ASTM E 1527-13, therefore LAI did not explore those conditions.

1.2 Significant Assumptions

Factual information regarding operations, conditions, and other data provided by the Client, site contacts, third parties, and governmental agencies are assumed to be correct and complete.

1.3 Special Terms and Conditions

The Phase I ESA was conducted by LAI on behalf of the client consistent with the agreed upon Scope of Work and LAI Standard Terms and Conditions. No other special terms and conditions were established in connection with these services.

2.0 SCOPE OF SERVICES

This assessment was performed following standard industry practice and with consideration to the ASTM E-1527-13 site assessment standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The investigation included completion of the following tasks:

1. A field investigation was performed including a visual surficial inspection of the Site and abutting properties; and

2. The following agencies were contacted to inquire of past ownership, complaints, or violations concerning environmental issues at the Site and vicinity.

   - The Massachusetts Department of Environmental Protection (MADEP)
   - The Amherst Tax Assessor's Office
   - The Amherst Town Clerk's Office
   - The Amherst Health Department
   - The Amherst Building Department
   - The Amherst Water Department
   - The Amherst Conservation Commission
   - The Amherst Fire Prevention Office
   - Environmental Data Resources, Inc. (EDR)
   - Sanborn Fire Insurance Maps

3.0 SITE DESCRIPTION

3.1 Site Location and Parcel Legal Description

Information provided indicates that the Site consists of a single lot totaling approximately 14.34 acres of land located on the south side of Strong Street in Amherst, Massachusetts. A Site Location Map is included as **Figure 1**. The Site is designated as Map 11B, Lot 76 with the municipal Tax Assessor's Office. A Plot Plan is included as **Figure 2** and a Site Plan depicting pertinent Site features is included as **Figure 3**.

Information provided indicates the Site longitude and latitude are approximately -72.514000° west and 42.388300° north, respectively. Universal Transverse Mercatur (UTM) coordinates are approximately 4,695,670 meters north by 704,639 meters east.

3.2 Site and Vicinity General Characteristics

The Site is located on the south side of Strong Street in Amherst, Massachusetts. The Site is occupied by one single-story municipal elementary school. The Site and surrounding properties are serviced by municipal water and sewer. Neighboring properties include residential properties to the east and west, a cemetery to the north, and the municipal middle school to the south.

.

3.3 Current Property Use

The Site is occupied by one single-story school building which is occupied by the Wildwood elementary school.

3.4 Description of Improvements

The Site is occupied by one three-story school building, built in 1976. The building is approximately 108,000 square feet in size and comprises roughly 17% of the total surface area of the Site. The Site building is located centrally on the Site. Paved parking lots and grassed fields surround the building.

A detailed Site description is presented in **Section 4.0**.

3.4.1 Wastewater

Wastewater generated on-Site is discharged to the municipal sewer system. No information pertaining to storm water handling and/or management was encountered during this assessment. No oil/water separators or storm drains were observed in the building. One floor drain was observed in the boiler room, routed to the municipal sewer system.

3.4.2 Water Supply

Water is supplied by the Town of Amherst, which was connected at the time of initial construction, circa 1976.

3.4.3 Wells

No potable, irrigation, injection, dry, groundwater monitoring or abandoned wells were observed or identified from the interviews or records reviewed.

3.4.4 Heating/Cooling System

The school is heated by two boilers located in the southwest corner of the building. Domestic water is heated indirectly by the boilers. A propane AST is located outside the building in this area, used to fire pilots for the boilers. Natural gas is not available to the Site.

3.4.5 Solid Waste Disposal

Solid waste dumpsters were observed on the west side and south side of the Site; no staining was observed in the vicinity of the dumpsters. There were no areas of solid waste disposal, mounds or depressions, or areas apparently filled or graded by non-natural causes suggesting solid waste disposal observed.

3.4.6 Storage Tanks

One 10,000-gallon fuel oil UST is located on the Site, to the west exterior of the boiler room. Based on information reviewed, this tank was installed during initial construction, circa 1976 and is constructed of single-walled steel. No evidence of other current or historical USTs or ASTs was identified during the inspection.

3.4.7 Transformers, Hydraulic Equipment and Other Potential Evidence of the Potential Use of Polychlorinated Biphenyls

Polychlorinated Biphenyls (PCBs) can be found in hydraulic-oil filled electrical equipment (such as motors and pumps), capacitors or transformers, building materials and fluorescent light ballasts manufactured prior to July 2, 1979.

LAI observed fluorescent light fixtures throughout the Site. The age of the fixtures could not be determined. However, it is not likely that the light ballasts were manufactured prior to 1979, as the average life span for the fluorescent fixtures is less than 15 years. Additionally, any light ballast manufactured after 1979 must be labeled "No PCB". Note that electric light ballasts that contained PCBs had less than 1.5 ounces of PCB. The reportable quantity requiring notification to the MADEP of a release is one pound. Therefore the risk presented by PCB-containing ballasts is relatively low.

Sampling for building materials is beyond the scope of ASTM E-1527. No other evidence of the potential use of polychlorinated biphenyls (PCBs) was observed on the Site during the inspections.

3.5 Current Uses of Adjoining Properties

Residential properties surround the Site to the south, east and west. In addition, town offices exists to the northeast, the town ice rink to the northwest and a church to the south. No bulk fuel storage was observed on adjacent properties. The table below summarizes current abutting land usage.

Table 1
Area Land Usage

Usage	Orientation
Strong Street with Wildwood Cemetery beyond	North
Amherst Middle School	South
Residential	East
Residential	West

4.0 USER PROVIDED INFORMATION

A summary of user provided information is provided below.

4.1 User Questionnaire

A User Questionnaire was provided to the user (Client) to assist the user and LAI in gathering information from the user that may be material to identifying RECs. LAI did not receive a response to the User Questionnaire that was provided to the user. Furthermore, the user did not provide any of the information requested in the questionnaire and required by Section 6 of the ASTM Standard E 1527-13. The lack of or inability to obtain this information represents a data gap. However, based on the findings of this report, the absence of this information is not considered a *significant* data gap.

4.2 Title Records

LAI did not review the property title.

4.3 Environmental Liens, Activity and Use Limitations

The owner has no knowledge of environmental liens, and the agency check revealed no listing for an Activity and Use Limitation in connection with the Site.

4.4 Specialized Knowledge

No specialized knowledge of Recognized Environmental Conditions was provided to LAI by the owner or client.

4.5 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information regarding Recognized Environmental Conditions was provided to LAI by the owner or client.

4.6 Valuation Reduction for Environmental Issues

No information regarding the sale price of the Site in comparison to the expected value of the property was provided to LAI by the owner or client.

4.7 Owner, Maintenance Supervisor, and Occupant Information

According to the Assessor's Department, the current owner of the property is the Town of Amherst School Department.

LAI conducted an interview with Mr. Kevin Seaman, Maintenance Specialist for the School Department. Mr. Seaman provided information regarding the history of the Site and operations at the Site. According to Mr. Seaman the Site was undeveloped land prior to construction of the school in 1976.

4.8 Reason for Performing Phase I Study

A Phase I ESA is being conducted in connection with the renovation of the property.

5.0 RECORDS REVIEWS

A review of federal, state and local regulatory agency files was conducted in accordance with ASTM E-1527-13 standards to identify the use, generation, storage, treatment, disposal and/or release of oil and/or hazardous materials that may potentially impact the Site.

5.1 Municipal Offices

5.1.1 Assessor's Office

Lord Associates, Inc. visited the municipal Assessor's Office to review historical ownership information for the Site. This data was reviewed for the purposes of land use determination and should not be relied upon as a complete chain-of-title. The following table offers a summary of ownership information obtained at the assessor's office for the Site.

Table 2
Chain of Title

Grantee	Date of Acquisition	Book/Page
Town of Amherst School Department	6/15/1965	1464/123
W D Cowles Inc.	No reference	1213/346

5.1.2 Health Department

LAI made inquiries at the municipal Board of Health (BOH). No records of environmental concern were on file for the Site.

5.1.3 Building Department

A review of files was requested at the municipal Building Department to obtain information on historical building alterations. No records of environmental concern were on file for the Site.

5.1.4 Water Department

Water is supplied by the municipal Water Department; a connection date was not readily available.

5.1.5 Conservation Commission

A review of files was requested at the municipal Conservation Commission regarding environmental violations. No records of environmental concern were on file for the Site.

5.1.6 Clerk's Office

A review of files was requested at the municipal Clerk's Office regarding environmental violations. No records of environmental concern were on file for the Site.

5.1.7 Fire Prevention

LAI requested a review of information regarding the storage of hazardous materials at the Site from the municipal Fire Prevention Office. Information reviewed at the Amherst Fire Department included a permit dated September 13, 1982 for one 10,000-gallon steel UST. A second permit (#30-69) indicates that a previous permit was dated in 1969, but no specific date was available on the permit.

No records regarding update to this UST system were provided, however, Kevin Seaman of the Amherst School Department stated this UST was removed circa 1998 and replaced with one single-wall fiberglass UST of the same volume. He further stated that no evidence of soil contamination was observed at the time of UST replacement.

5.2 Sanborn/Historical Map Review

Sanborn Fire Insurance Maps were reviewed for the Site and vicinity. Sanborn Maps usually show property use and underground commercial fuel storage for the purposes of insurance companies. Sanborn Maps were not available due to the rural nature of the area.

5.3 Historical Aerial Photograph Review

Aerial photographs from 1938, 1963, 1971, 1978, 1995, 2001 and 2005 were reviewed through the Historic Aerials website (www.historicaerials.com) and a current 2013 aerial photograph was reviewed from Google Earth. The following table summarizes the aerial photographs review.

Table 3
Aerial Photographs

Aerial Year	Site Description	Area Description	
		Direction	**Description**
1938	The Site appears as agricultural land with a residential home on the southern portion of the Site.	North	Agricultural land
		South	Agricultural and residential properties
		East	Agricultural and residential properties
		West	Agricultural and residential properties
1963 1971	The Site appears as developed with a school building on the southern portion of the Site and athletic fields to the north, east and west.	North	Town offices
		South	Residential homes
		East	Residential homes
		West	Residential homes
1978 1995 2001 2005 2013	The aerial photographs differ from the previous aerial photographs in that: The Site building appears with an addition to the north and is similar to the current configuration.	North	Town offices
		South	Residential homes
		East	Residential homes
		West	Residential homes

5.4 Radius Search for Properties of Environmental Concern

A radius search was conducted of federal and state-listed sites of potential environmental concern as outlined in ASTM E-1527 guidelines. The search was performed using software developed by Environmental Risk Information Service (ERIS) report. The Site is listed on the FINDS/FRS, Historical Spill, UST and LUST database. The Site is identified on the US AIRS and FINDS databases; in compliance and with no violations. The Site is also listed with a historical spill, information in the database indicates that a release of an unknown amount of gasoline from a pipe/hose/line to soil at the Site occurred on January 8, 1990. The spill has a "case closed" regulatory status. The Response Action Outcome report (RAO) associated with the LUST is reviewed in Section 5.5.

Listed sites identified within the designated ASTM search radii are summarized in the following table. The ERIS report is included in **Appendix B.**

Table 4
Properties of Potential Environmental Concern

NPL (1 mi.)	RCRIS TSDF (1 mi.)	CERCLIS (0.5 mi.)	Landfill (0.5 mi.)	STATE SITES (0.5 mi.)	LUST & SPILLS (0.25 mile)	ERNS (Site/ Abutter	RCRIS (Site/ Abutter	UST (Site/ Abutter
NI	NI	NI	NI	FORMER HAWTHORNE RES 235 EAST PLEASANT ST SHWS LAST Higher 0.213 mi SW Kerosene release at residence 11/15/2013 1-19275/RAO	NI	NI	NI	**WILDWOOD CEMETERY** **70 STRONG ST** **UST** **Higher** **0.004 mi N**

Notes:

N=north, S=south, W=west, E=east
Elev. Diff: = Difference in elevation from Site in feet
NPL = National Priorities List
RCRIS = Resource Conservation and Recovery Information System
TSDF = Treatment Storage & Disposal Facilities
ERNS = Environmental Response Notification System
NI = None Identified
NFA – LSP Opinion of No Further Action
RAO = Closed in accordance with MADEP Regulations
TierII = Listed with MADEP due to oil or hazardous material in soil/groundwater (not closed)
DPS = Downgradient Property Status (contamination is from an upgradient source)
UST = Underground Storage Tank
LAST – Leaking AST
F = Final
AUL = Activity and Use Limitation
Miles adjusted= depicts the actual distance

5.5 Massachusetts Department of Environmental Protection Review

Those properties shown in bold in the preceding table were reviewed and are summarized as follows:

WILDWOOD CEMETERY
70 STRONG ST
North Abutter

One 550-gallon gasoline UST was removed in 1999. The tank was installed in 1987 and constructed of single-walled steel without cathodic protection or leak detection. No information of soil impact was available in EDR files. .

5.6 Previous Reports

No previous reports were made available through sources cited in this assessment.

5.7 Physical Setting Sources

LAI reviewed information provided by the United States Geological Survey (USGS) in connection with physiographic conditions, soil and bedrock types. LAI also reviewed the MassGIS Resource Map for the area, and located natural resources during the Site Reconnaissance. According to the USGS Quadrangle Topographical Map, the elevation of the Site is approximately 340 feet above mean sea level. Topography of the Site vicinity is sloped down to the south. The direction of groundwater flow in the vicinity is estimated to the south.

Review of the MassGIS Bureau of Waste Site Cleanup Priority Resources Maps published by the MADEP, indicated the Site is not located in a potential aquifer area. Review of the National Wetlands Inventory from the U.S fish and Wildlife Service, indicated that no wetlands are located at the Site or adjacent properties.

The Soil Survey of Hampshire County indicates that soil in the vicinity of the Site is classified as Paxton-Charlton-Urban land complex with 3-15 percent slopes.

5.8 Historical Use Information

Research regarding historical land usage of the Site and surrounding properties was conducted using data obtained from historical maps, parties familiar with the Site, and municipal officials. Based on information gathered through the course of this assessment, the following history of the Site has been prepared:

- Historical information indicates that the Site is occupied by the Wildwood Elementary School. The building was constructed in approximately 1976 on previously undeveloped land.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

On September 29, 2015, LAI personnel conducted on-Site inspections, which consisted of a visual examination of the Site and portions of adjacent properties and interviews with Site personnel. Areas were examined for surficial indications of releases of oil and/or hazardous materials (OHM). Approximately three feet of snow covered the ground at the time of the inspection. Snow removal had taken place on most of the paved surfaces.

LAI was accompanied by Mr. Kevin Seaman, Maintenance Specialist for the School Department, during the inspection. A Site Plan depicting significant features observed is included as **Figure 3** and photographs are included in **Appendix A** of this report.

6.2 Interior Inspection

The Site is located at the south side of Strong Street in Amherst, Massachusetts. The Site is occupied by the Wildwood Elementary School, a single-story school building, which was constructed in 1976. The boiler room is located in the southwest corner of the building, housing two oil-fired boilers, a compressor, generator, evaporation tank and chillers. A Veeder-Root monitoring and leak detection system associated with the UST was observed in the boiler room. One floor drain was observed in the boiler room, leading to the municipal sewer system, according to Mr. Seaman.

The balance of the building is occupied by classrooms, offices, kitchen and dining areas, a gymnasium, and a small maintenance shop. No evidence of a significant surface release of OHM was observed through the course of our inspection. LAI did not inspect the roof.

6.3 Exterior Inspection

The Site building is located on the eastern portion of the Site. Paved parking lots and driveways exist on the south, east, and west sides of the building. Grass exists on the northern side of the building. Athletic fields exist on the western portion of the Site. One 10,000-gallon fuel oil UST is located to the west of the boiler room, installed in 1976. One 100-gallon propane AST is also located outside the boiler room, fueling the boiler pilots.

Solid waste dumpsters were observed on the west side Site; no staining was observed in the vicinity of the dumpsters.

There were no areas of solid waste disposal, mounds or depressions, or areas apparently filled or graded by non-natural causes suggesting solid waste disposal observed.

7.0 INTERVIEWS

LAI interviewed the Mr. Kevin Seaman, Maintenance Specialist for the School Department in connection with property conditions and the potential for Recognized Environmental Conditions.

Mr. Seaman accompanied our personnel during the inspection. He was interviewed and questioned of any knowledge regarding environmental conditions or releases at the Site.

8.0 SUMMARY OF FINDINGS AND CONCLUSION

8.1 Findings

Lord Associates, Inc. has completed a Phase I Environmental Site Assessment of the Site. This assessment was performed with consideration to standard industry practice and the ASTM E-1527-13 site assessment standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". Our findings are presented below:

1. Information provided indicates that the Site consists of a single lot totaling approximately 14.34 acres of land located on the south side of Strong Street in Amherst, Massachusetts. The Site is designated as Map 11B, Lot 76 with the municipal Tax Assessor's Office.

2. The Site is occupied by one single-story municipal elementary school. The Site and surrounding properties are serviced by municipal water and sewer. Neighboring properties include residential properties to the east and west, a cemetery to the north, and the municipal middle school to the south. The building is approximately 108,000 square feet in size and comprises roughly 17% of the total surface area of the Site. The Site building is located centrally on the Site. Paved parking lots and grassed fields surround the building.

3. Lord Associates, Inc. conducted an inspection of the Site consisting of a visual examination of the Site, immediate surrounding features, and abutting properties. The building is heated by fuel oil stored in one 10,000-gallon fiberglass UST to the southwest exterior of the building. This UST was installed circa 1998 and is fitted with a Veeder Root leak detection system.

4. Municipal file reviews were performed. No evidence of current or historical aboveground fuel oil tanks (ASTs) were identified during the inspection. A 10,000-gallon fuel oil UST was listed with the Fire Department, but their records had not been updated to reflect UST replacement in 1998.

5. Information listed in the EDR database report indicates that one 550-gallon gasoline UST was formerly located at the Wildwood Cemetery, located across Strong Street to the north, but this tank was removed in 1989. No other significant properties of environmental concern were identified in the vicinity of the Site.

6. Historical information indicates that the Site has been occupied by the Wildwood Elementary School since original construction in 1976. The Site was undeveloped prior to the school.

8.2 Conclusions

This assessment has identified one Recognized Environmental Condition (REC) in connection with the Site, as follows:

- One 10,000-gallon fuel oil UST is located on the Site. The tank is constructed of fiberglass and is approximately 17 years old.

Any exceptions to, or deletions from, ASTM Practice E1527 are described in **Section 9** of this report. Please note that an investigation for the presence of mold, asbestos and PCBs in building materials, lead-based paint, indoor air quality, or regulatory compliance is beyond the scope of work described by ASTM E 1527-13, therefore LAI did not explore those conditions.

9.0 RESTRICTIVE CONDITIONS

9.1 Limitations & Deviations

LAI recognizes the following limitations and/or deviations from the Standard with respect to this Phase I Environmental Site Assessment:

- LAI did not interview past owners of the Site;
- LAI did not interview owners of neighboring property;
- LAI did not review Title Records for the Site; and
- LAI did not conduct an evaluation of the purchase price of the Site compared to the fair market value.

9.2 Significance of Data Gaps

As described above, the deviations from the Standard constitute data gaps. However, it is our opinion that these data gaps do not raise reasonable concerns that would affect the ability to identify conditions indicative of a release or threatened release or Recognized Environmental Conditions (RECs) based upon other information collected during the course of the Phase I Environmental Site Assessment.

- Although the past owner and owners of neighboring property were not interviewed, site and surrounding area history does not indicate prior use involving oil and/or hazardous materials.
- In Massachusetts, all environmental liens and Activity and Use Limitations are identified on the MADEP sites database, which has been searched.
- Based on Site History, there is no reasonable indication that property value has been affected due to environmental concerns.

10.0 LIMITATIONS

No warranty, whether expressed or implied, is given with respect to this report or any opinions expressed herein. It is expressly understood that this report and the opinions expressed herein are based upon Site conditions, as they existed only at the time of assessment. Nothing in this report constitutes a legal opinion or legal service, and should not be relied upon as such.

The data reported and the findings, observations, and opinions expressed in the report are limited by the Scope of Work. The Scope of Work was performed based on budgetary, time, and other constraints imposed by the Client, and the agencies and persons reviewed.

In preparing this report, Lord Associates, Inc. has relied upon and presumed accurate certain information about the Site and adjacent properties provided by governmental agencies, the client and others identified in the report. Except as otherwise stated in the report, Lord Associates, Inc. has not attempted to verify the accuracy or completeness of any such information.

This report has been prepared on behalf of and for the exclusive use of the client, and those immediate entities involved with the proximate financing of this project, solely for use in the environmental evaluation of the Site. Any reuse or reliance on this report by any other third party shall be done only with the written consent of LAI.

11.0 SIGNATURES AND ENVIRONMENTAL PROFESSIONAL STATEMENT

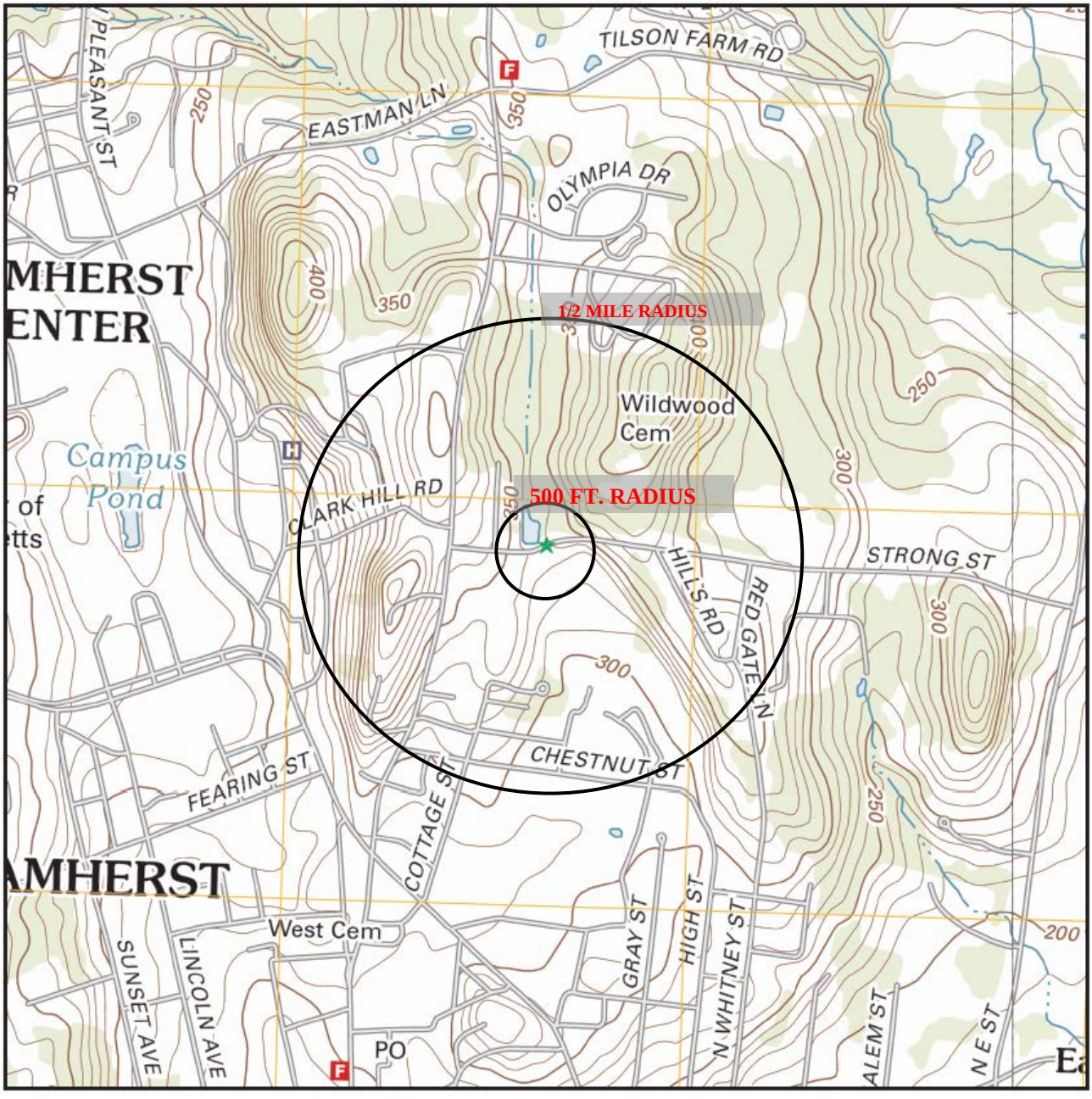
LAI declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. LAI has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. LAI has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

This report is dated this February 24, 2015 and is signed by individuals who are duly authorized to do so.

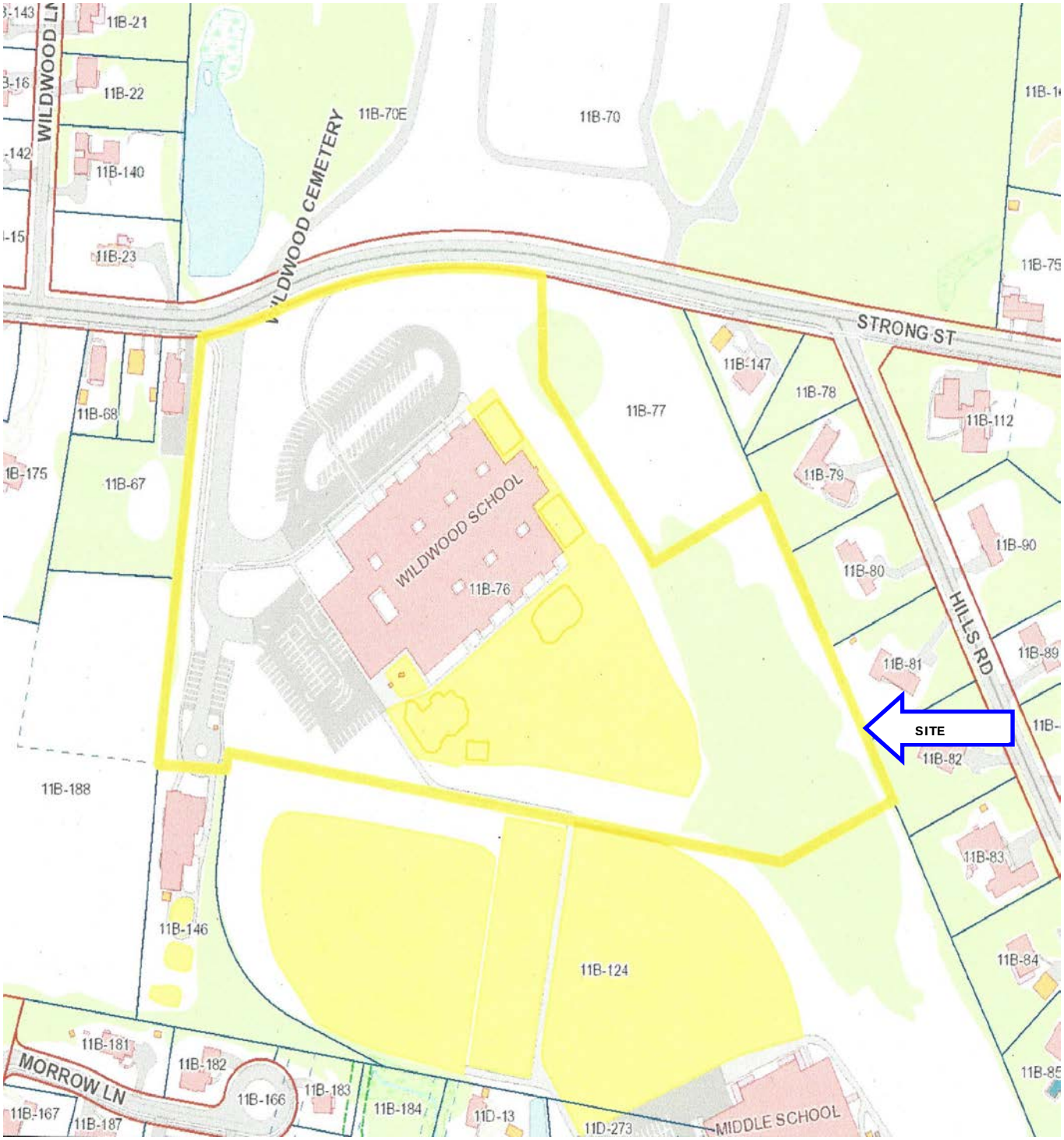
Ralph Tella, CHMM, LSP
President

Nathaniel L. Finsness
Senior Project Manager

APPENDIX A



LORD ASSOCIATES, INC. 1506 Providence Highway, Suite 30 Norwood, MA 02062-4647 (781) 255-5554	**REFERENCE:** USGS TOPOGRAPHIC MAPS CONTOUR INTERVAL: 3 METERS	NORTH	**FIGURE 1: LOCATION MAP** **71 STRONG STREET** **AMHERST, MASSACHUSETTS**



LORD ASSOCIATES, INC.

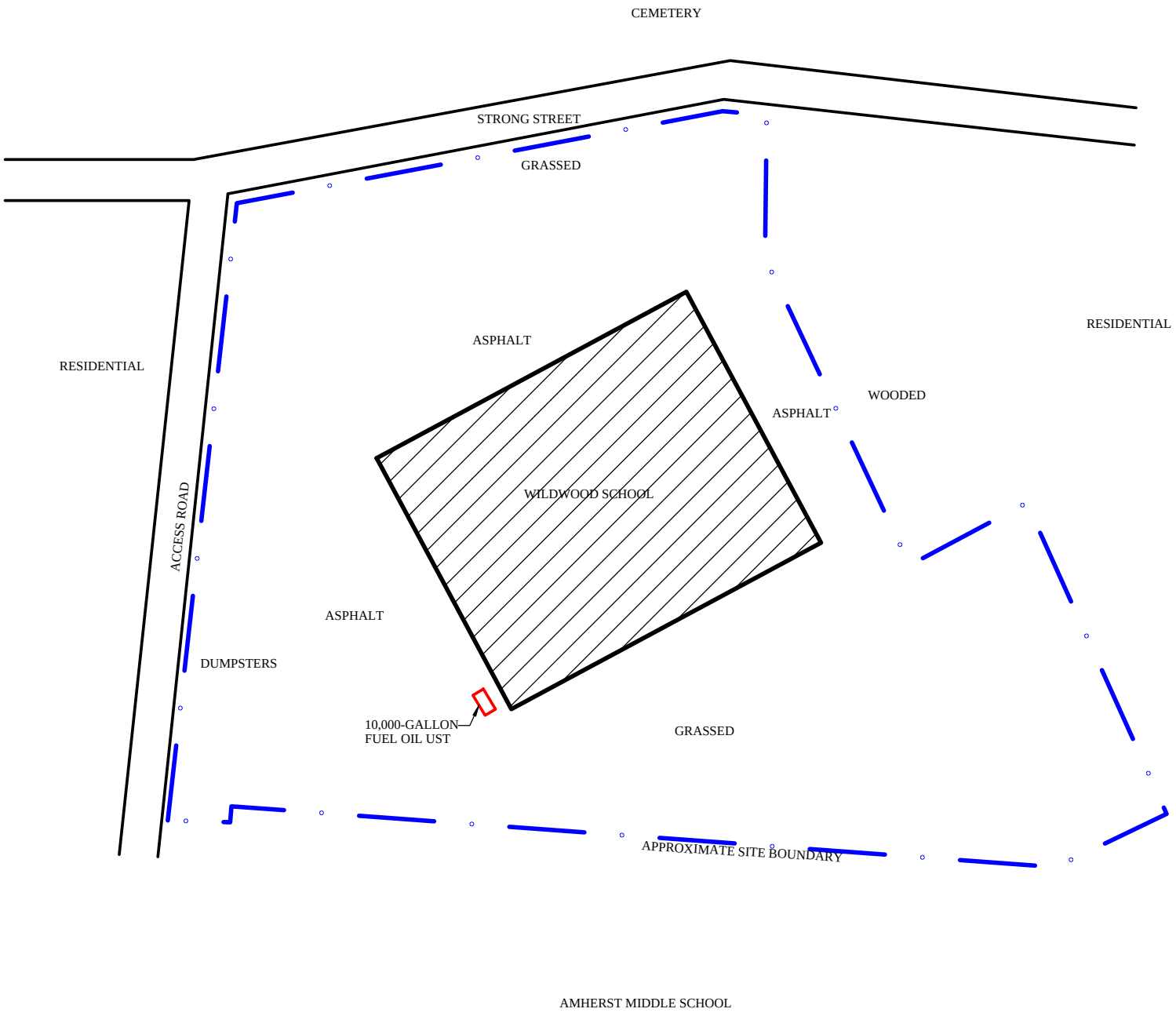
1506 Providence Highway, Suite 30
Norwood, MA 02062-4647
(781) 255-5554

REFERENCE:
AMHERST
ASSESSORS MAPS

NORTH

FIGURE 2: ASSESSOR'S MAP

71 STRONG STREET
AMHERST, MASSACHUSETTS



LORD ASSOCIATES

1506 TURNPIKE STREET SUITE 30
NORWOOD MA 02062
781-255-5554
WWW.LORDENV.COM

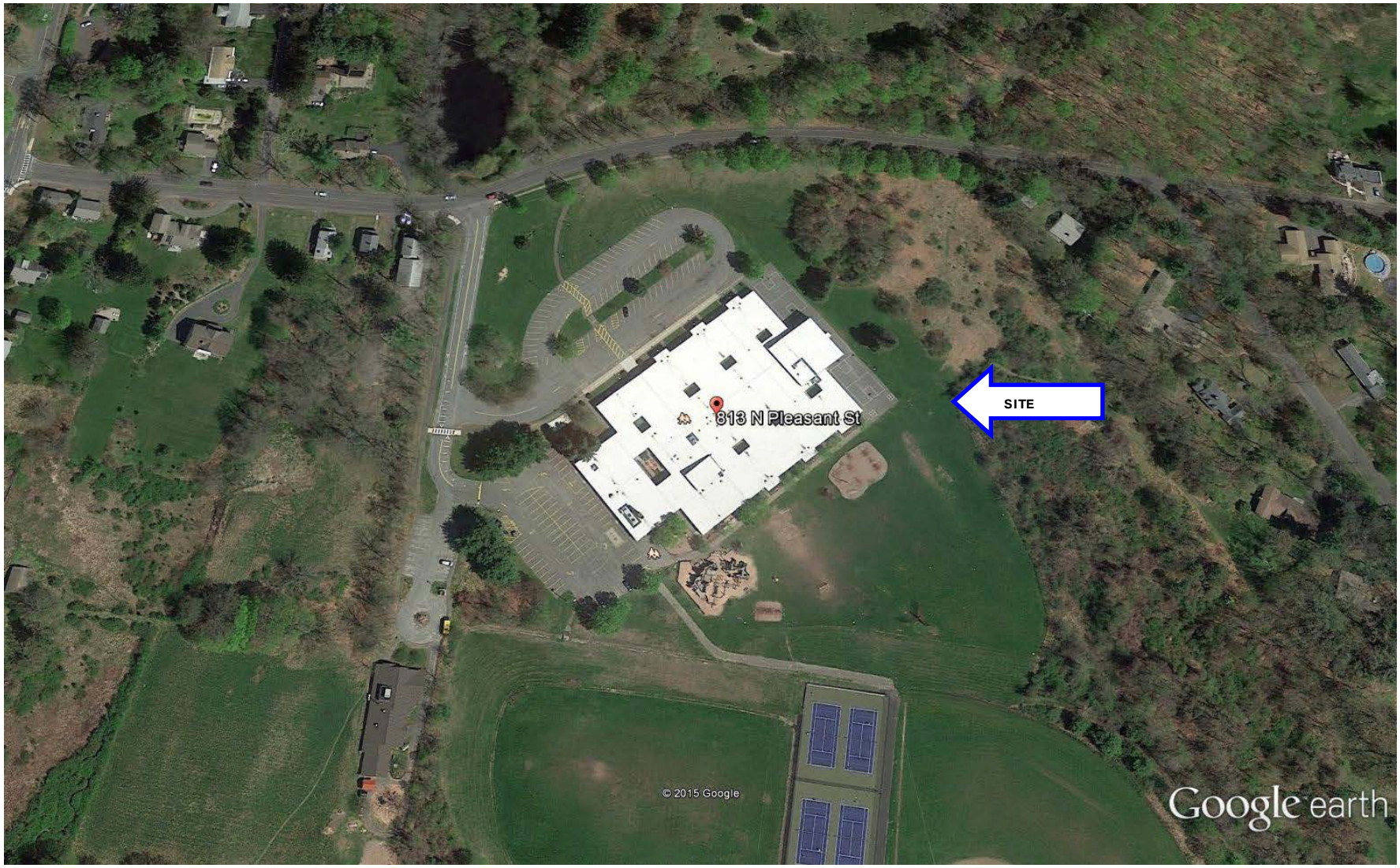
LEGEND

NORTH

FIGURE 3: SITE PLAN

WILDWOOD SCHOOL
71 STRONG STREET
AMHERST, MA

DATE: 9/30/2015	DRAWN BY: STAFF
NTS	REVISIONS:



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Norwood, MA 02062-4647
(781) 255-5554

REFERENCE:

GOOGLE MAPS

NORTH

FIGURE 4: AERIAL MAP

71 STRONG STREET
AMHERST, MASSACHUSETTS

MassDEP - Bureau of Waste Site Cleanup

Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

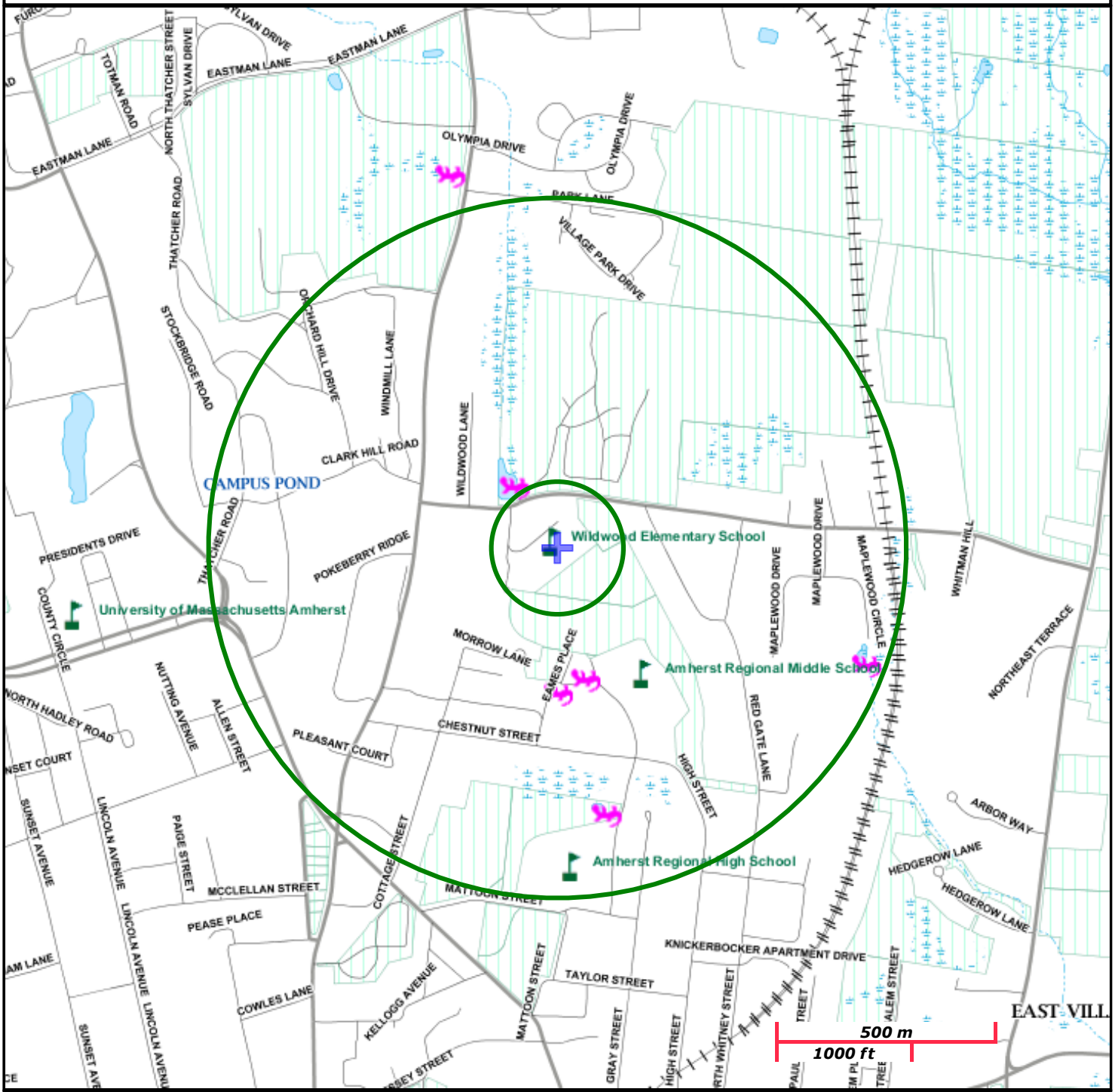
Site Information:

71 STRONG STREET AMHERST, MA

NAD83 UTM Meters:
4695783mN , 704712mE (Zone: 18)
September 30, 2015

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: http://www.mass.gov/mgis/.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential

Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

Mass. Towns Boundaries
EOT-OTC Roads
Limited Access Highway
Multi-lane Hwy, Not Limited Access
Other Numbered Hwy
Wetland Connections
Wetlands 12k Detailed
Barrier Beach System
Barrier Beach-Deep Marsh
Barrier Beach-Wooded Swamp Mixed Trees
Barrier Beach-Coastal Beach
Barrier Beach-Coastal Dune
Barrier Beach-Marsh
Barrier Beach-Salt Marsh
Barrier Beach-Wooded Swamp Coniferous
Barrier Beach-Wooded Swamp Deciduous
Bog
Coastal Bank Bluff or Sea Cliff
Coastal Beach
Coastal Dune
Cranberry Bog
Deep Marsh
Barrier Beach-Open Water
Open Water
Rocky Intertidal Shore
Salt Marsh
Shallow Marsh Meadow or Fen
Shrub Swamp
Tidal Flat
Wooded Swamp Coniferous
Wooded Swamp Deciduous
Wooded Swamp Mixed Trees

LORD ASSOCIATES, INC.

1506 Providence Highway, Suite 30
Norwood, MA 02062-4647
(781) 255-5554

REFERENCE:

MAGIS MAPS

NORTH

FIGURE 5: WETLANDS MAP

71 STRONG STREET
AMHERST, MASSACHUSETTS

Map Unit Legend

Hampshire County, Massachusetts, Central Part (MA609)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1	Water	0.5	1.2%
404B	Charlton fine sandy loam, 3 to 8 percent slopes, stony	4.4	12.1%
404C	Charlton fine sandy loam, 8 to 15 percent slopes, stony	1.8	4.8%
405C	Charlton fine sandy loam, 8 to 15 percent slopes	0.9	2.5%
406D	Charlton fine sandy loam, 15 to 25 percent slopes, very stony	2.7	7.5%
741A	Amostown-Windsor silty substratum-Urban land complex, 0 to 3 percent slopes	9.8	26.6%
747C	Paxton-Charlton-Urban land complex, 3 to 15 percent slopes	16.6	45.3%
Totals for Area of Interest		36.7	100.0%

LORD ASSOCIATES, INC.

1506 Providence Highway, Suite 30
Norwood, MA 02062-4647
(781) 255-5554

REFERENCE:

USGS MAPS

NORTH

FIGURE 6: SOIL SURVEY MAP

71 STRONG STREET
AMHERST, MASSACHUSETTS

Photo #1:	Site view from northeast

Photo #2:	View from north

Photo #3:	Southwest corner; UST under van

Photo #4:	South side of school

Photo #5:	West side of school

Photo #6:	East side of school

Photo #7:	UST pad shown

Photo #8:	Boiler room

APPENDIX C

Wildwood School
71 Strong Street
Amherst, MA 01002

Inquiry Number: 4421598.1
September 25, 2015

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

9/25/15

Site Name:
Wildwood School
71 Strong Street
Amherst, MA 01002

Client Name:
Lord Associates, Inc.
1506 Providence Highway
Norwood, MA 02062

EDR Inquiry # 4421598.1

Contact: Nat Finsness

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Lord Associates, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Wildwood School
Address: 71 Strong Street
City, State, Zip: Amherst, MA 01002
Cross Street:
P.O. # NA
Project: 2321
Certification # A490-432B-9ED0

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results
Certification # A490-432B-9ED0

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Wildwood School
71 Strong Street
Amherst, MA 01002

Inquiry Number: 4421598.3s
September 25, 2015

EDR FIRST REPORT

A Search of ASTM E1527-13 §8.2.1 Databases

Table of Contents

This report includes a search of reasonably available environmental records to assist the professional in compliance with Section 8.2.1 Standard Federal, State, and Tribal Environmental Record Source of ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13). Additional environmental records sources may be available for your property.

Target Site: 71 STRONG STREET
AMHERST, MA 01002

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)	UTMs	
Longitude:	72.514000	72.5140000 - 72° 30' 50.40''	Easting:	704639.8
Latitude:	42.388300	42.3883000 - 42° 23' 17.88''	Northing:	4695670.0
Elevation:	337 ft. above sea level		Zone:	Zone 18

Search Summary

TARGET SITE: **71 STRONG STREET**
AMHERST, MA 01002

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
Federal NPL site list										
	NPL	03/26/2015	1.000	0	0	0	0	0	0	0
	Proposed NPL	03/26/2015	1.000	0	0	0	0	0	0	0
	NPL LIENS	10/15/1991	TP	0	-	-	-	-	0	0
Federal Delisted NPL site list										
	Delisted NPL	03/26/2015	1.000	0	0	0	0	0	0	0
Federal CERCLIS list										
	FEDERAL FACILITY	03/26/2015	0.500	0	0	0	0	-	0	0
	CERCLIS	10/25/2013	0.500	0	0	0	0	-	0	0
Federal CERCLIS NFRAP site List										
	CERC-NFRAP	10/25/2013	0.500	0	0	0	0	-	0	0
Federal RCRA CORRACTS facilities list										
	CORRACTS	06/09/2015	1.000	0	0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list										
	RCRA-TSDF	06/09/2015	0.500	0	0	0	0	-	0	0
Federal RCRA generators list										
	RCRA-LQG	06/09/2015	0.250	0	0	0	-	-	0	0
	RCRA-SQG	06/09/2015	0.250	0	0	0	-	-	0	0
	RCRA-CESQG	06/09/2015	0.250	0	0	0	-	-	0	0
Federal institutional controls / engineering controls registries										
	LUCIS	05/28/2015	0.500	0	0	0	0	-	0	0
	US ENG CONTROLS	06/09/2015	0.500	0	0	0	0	-	0	0
	US INST CONTROL	06/09/2015	0.500	0	0	0	0	-	0	0
Federal ERNS list										
	ERNS	06/22/2015	TP	0	-	-	-	-	0	0
State- and tribal - equivalent CERCLIS										
	SHWS	06/30/2015	1.000	0	0	1	0	22	7	30
State and tribal landfill and/or solid waste disposal site lists										
	SWF/LF	01/29/2015	0.500	0	0	0	0	-	0	0

Search Summary

TARGET SITE: **71 STRONG STREET**
AMHERST, MA 01002

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	Orphan	TOTALS
State and tribal leaking storage tank lists										
	LAST	06/30/2015	0.500	0	0	1	0	-	0	1
	LUST	06/30/2015	0.500	0	0	0	0	-	0	0
	INDIAN LUST	02/03/2015	0.500	0	0	0	0	-	0	0
State and tribal registered storage tank lists										
	FEMA UST	01/01/2010	0.250	0	0	0	-	-	0	0
	UST	07/13/2015	0.250	0	1	0	-	-	0	1
	AST	10/22/2009	0.250	0	0	0	-	-	0	0
	INDIAN UST	02/03/2015	0.250	0	0	0	-	-	0	0
State and tribal institutional control / engineering control registries										
	INST CONTROL	06/30/2015	0.500	0	0	0	0	-	0	0
State and tribal voluntary cleanup sites										
	INDIAN VCP	09/29/2014	0.500	0	0	0	0	-	0	0
State and tribal Brownfields sites										
	BROWNFIELDS	11/01/2014	0.500	0	0	0	0	-	0	0
	- Totals --			0	1	2	0	22	7	32

Sites Sorted by Distance

TARGET PROPERTY ADDRESS:

71 STRONG STREET
AMHERST, MA 01002

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft, mi.) DIRECTION
1	WILDWOOD CEMETERY	70 STRONG ST	UST	Higher	21, 0.004, NNW
2	FORMER HAWTHORNE RES	235 EAST PLEASANT ST	SHWS, LAST	Higher	1126, 0.213, SW
3	NO LOCATION AID	99 EAST PLEASANT ST	SHWS	Lower	2732, 0.517, SSW
4	UNIV OF MASSACHUSETT	ENV HEALTH NORTH 414	SHWS	Lower	2828, 0.536, West
5	TRIANGLEPRAY & E PLE	TRIANGLE ST	SHWS	Lower	3072, 0.582, SSW
6	CONSTRUCTION SITE	650 NORTH PLEASANT S	SHWS	Lower	3381, 0.640, WNW
A7	NO LOCATION AID	168 NORTH PLEASANT S	SHWS	Lower	3616, 0.685, SSW
8	UNIV OF MASSACHUSETT	112 EASTMAN LANE	SHWS	Lower	3646, 0.690, NNW
9	GETTY PROP #6202	203 TRIANGLE ST	SHWS	Lower	3665, 0.694, South
A10	EXXON MOBIL OIL CORP	161 NORTH PLEASANT S	SHWS	Lower	3669, 0.695, SSW
11	POLE #4	33 KELLOGG AVE	SHWS	Lower	4060, 0.769, SSW
12	POLE #78/49	OFF COMMONWEALTH AVE	SHWS	Lower	4112, 0.779, West
13	COMMERCIAL PROPERTY	103 NORTH PLEASANT S	SHWS	Lower	4125, 0.781, SSW
14	UMASS CRAMPTON HALL/	256 SUNSET AVE	SHWS	Lower	4288, 0.812, WSW
B15	LERDERLE LOW RISE	NORTH PLEASANT AND G	SHWS	Lower	4303, 0.815, NW
B16	UMASS PVTA BUS DEPOT	255 GOVERNORS DR	SHWS	Lower	4308, 0.816, NW
17	RESIDENCE	237 SUNSET AVENUE	SHWS	Lower	4335, 0.821, WSW
18	POWER PLANT PUMP HOU	CAMPUS CENTER WAY SE	SHWS	Lower	4623, 0.876, West
19	NO LOCATION AID	40-50 MAIN ST	SHWS	Lower	4785, 0.906, SSW
20	CONCRETE PAD IN FRON	630 MASSACHUSETTS AV	SHWS	Lower	4836, 0.916, WSW
21	ACROSS FROM TOWN HAL	BOLTWOOD AVE	SHWS	Lower	4937, 0.935, SSW
22	FORMER POWER PLANT -	40 CAMPUS CENTER SER	SHWS	Lower	4971, 0.941, West
23	UMASS PHYSICAL PLNT	2 CAMPUS CENTERWAY	SHWS	Lower	5016, 0.950, WNW
24	LORD JEFFERY INN	30 BOLTWOOD AVENUE	SHWS	Lower	5118, 0.969, SSW

Sites Sorted by Database

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

State- and tribal - equivalent CERCLIS

SHWS: Reportable Releases Database

Site	Address	Direction / Distance	Map ID	Page
FORMER HAWTHORNE RES	***235 EAST PLEASANT ST***	***SW (0.213 mi. / 1126 ft.)***	***2***	***4***
Release Tracking Number / Current Status: 1-0019275 / RAO				
NO LOCATION AID	99 EAST PLEASANT ST	SSW (0.517 mi. / 2732 ft.)	3	5
Release Tracking Number / Current Status: 1-0014063 / RAO				
UNIV OF MASSACHUSETT	ENV HEALTH NORTH 414	W (0.536 mi. / 2828 ft.)	4	5
Release Tracking Number / Current Status: 1-0000016 / RAO				
TRIANGLEPRAY & E PLE	TRIANGLE ST	SSW (0.582 mi. / 3072 ft.)	5	5
Release Tracking Number / Current Status: 1-0000649 / RAO				
CONSTRUCTION SITE	650 NORTH PLEASANT S	WNW (0.640 mi. / 3381 ft.)	6	6
Release Tracking Number / Current Status: 1-0018665 / RAO				
NO LOCATION AID	168 NORTH PLEASANT S	SSW (0.685 mi. / 3616 ft.)	A7	6
Release Tracking Number / Current Status: 1-0013052 / RAO				
UNIV OF MASSACHUSETT	112 EASTMAN LANE	NNW (0.690 mi. / 3646 ft.)	8	7
Release Tracking Number / Current Status: 1-0019533 / UNCLSS				
GETTY PROP #6202	***203 TRIANGLE ST***	***S (0.694 mi. / 3665 ft.)***	***9***	***7***
Release Tracking Number / Current Status: 1-0000895 / RAO				
EXXON MOBIL OIL CORP	***161 NORTH PLEASANT S***	***SSW (0.695 mi. / 3669 ft.)***	***A10***	***8***
Release Tracking Number / Current Status: 1-0016838 / RAO				
POLE #4	33 KELLOGG AVE	SSW (0.769 mi. / 4060 ft.)	11	8
Release Tracking Number / Current Status: 1-0015809 / RAO				
POLE #78/49	OFF COMMONWEALTH AVE	W (0.779 mi. / 4112 ft.)	12	9
Release Tracking Number / Current Status: 1-0011619 / RAO				
COMMERCIAL PROPERTY	***103 NORTH PLEASANT S***	***SSW (0.781 mi. / 4125 ft.)***	***13***	***9***
Release Tracking Number / Current Status: 1-0018965 / TIERII				
UMASS CRAMPTON HALL/	256 SUNSET AVE	WSW (0.812 mi. / 4288 ft.)	14	10
Release Tracking Number / Current Status: 1-0018343 / RAO				
LERDERLE LOW RISE	NORTH PLEASANT AND G	NW (0.815 mi. / 4303 ft.)	B15	10
Release Tracking Number / Current Status: 1-0016269 / RAO				
UMASS PVTA BUS DEPOT	255 GOVERNORS DR	NW (0.816 mi. / 4308 ft.)	B16	11
Release Tracking Number / Current Status: 1-0016496 / RAO				
RESIDENCE	***237 SUNSET AVENUE***	***WSW (0.821 mi. / 4335 ft.)***	***17***	***11***
Release Tracking Number / Current Status: 1-0019693 / PSNC				
POWER PLANT PUMP HOU	***CAMPUS CENTER WAY SE***	***W (0.876 mi. / 4623 ft.)***	***18***	***12***
Release Tracking Number / Current Status: 1-0010724 / RAO				

Sites Sorted by Database

Site	Address	Direction / Distance	Map ID	Page
NO LOCATION AID Release Tracking Number / Current Status: 1-0014556 / RAO	40-50 MAIN ST	SSW (0.906 mi. / 4785 ft.)	19	12
CONCRETE PAD IN FRON Release Tracking Number / Current Status: 1-0010195 / RAO	630 MASSACHUSETTS AV	WSW (0.916 mi. / 4836 ft.)	20	13
ACROSS FROM TOWN HAL Release Tracking Number / Current Status: 1-0013943 / RAO	BOLTWOOD AVE	SSW (0.935 mi. / 4937 ft.)	21	13
FORMER POWER PLANT - Release Tracking Number / Current Status: 1-0018584 / TIERII	40 CAMPUS CENTER SER	W (0.941 mi. / 4971 ft.)	22	14
UMASS PHYSICAL PLNT Release Tracking Number / Current Status: 1-0000943 / RAO	***2 CAMPUS CENTERWAY***	***WNW (0.950 mi. / 5016 ft.)***	***23***	***14***
LORD JEFFERY INN Release Tracking Number / Current Status: 1-0011214 / RAO Release Tracking Number / Current Status: 1-0018042 / RAO	30 BOLTWOOD AVENUE	SSW (0.969 mi. / 5118 ft.)	24	15

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tank Sites

Site	Address	Direction / Distance	Map ID	Page
FORMER HAWTHORNE RES Release Tracking Number / Current Status: 1-0019275 / RAO	***235 EAST PLEASANT ST***	***SW (0.213 mi. / 1126 ft.)***	***2***	***4***

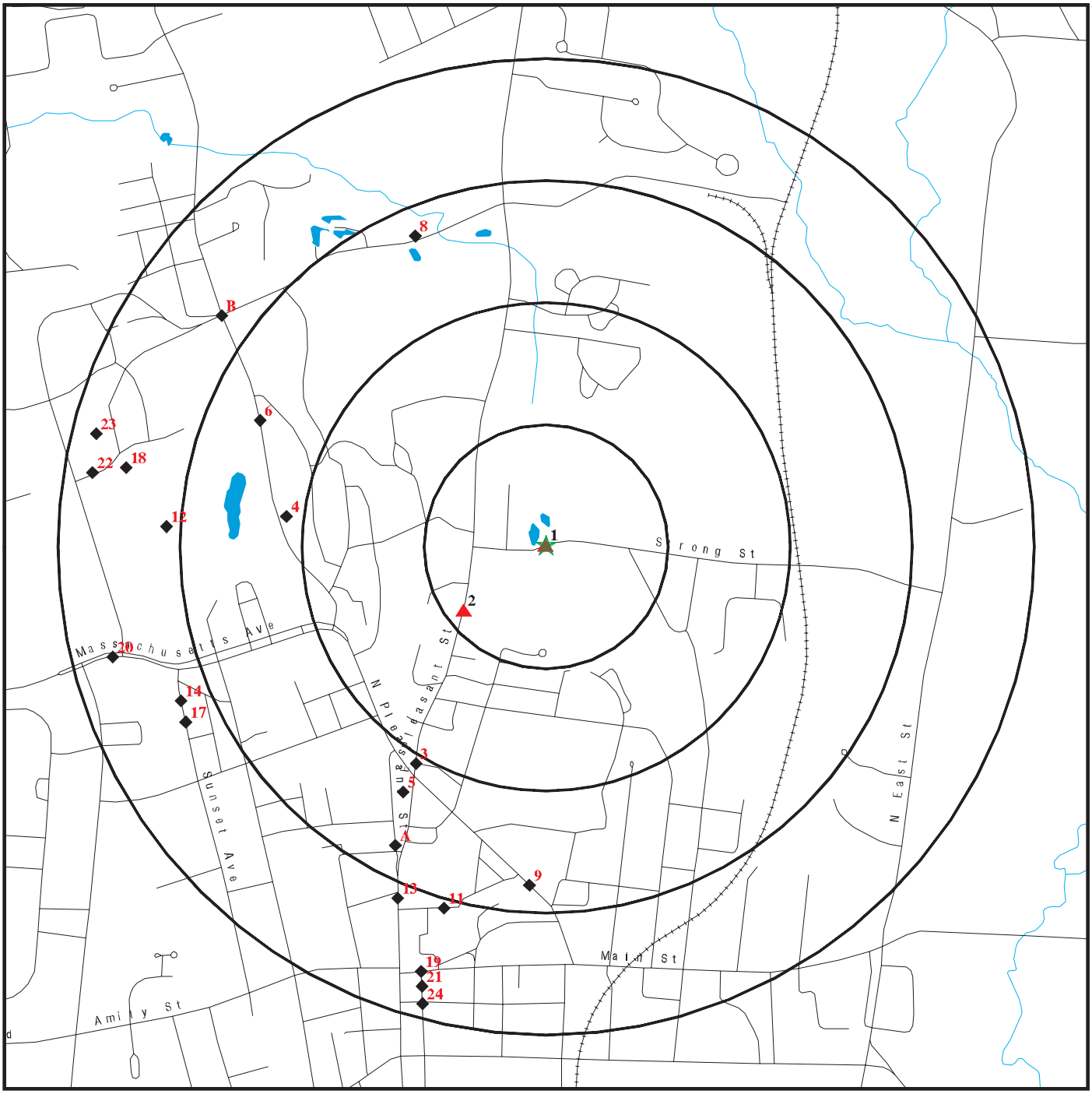
State and tribal registered storage tank lists

UST: Summary Listing of all the Tanks Registered in the State of Massachusetts

Site	Address	Direction / Distance	Map ID	Page
WILDWOOD CEMETERY Tank Status: Removed Facility Id: 166	70 STRONG ST	NNW (0.004 mi. / 21 ft.)	1	4

1.00 Mile Map

71 STRONG STREET AMHERST, MA 01002



Black Rings Represent Qtr. Mile Radius

- ★ **Target Property (Latitude: 42.3883 Longitude: 72.514)**
- ▲ **High or Equal Elevation Sites**
- ◆ **Low Elevation Sites**
- **National Priority List Sites**

EDR First Report

0.250 Mile Map

71 STRONG STREET AMHERST, MA 01002

Black Rings Represent Qtr. Mile Radius

- **Target Property (Latitude: 42.3883 Longitude: 72.514)**
- **High or Equal Elevation Sites**
- **Low Elevation Sites**
- **National Priority List Sites**

EDR First Report

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

UST

EDR ID: U003000293 **DIST/DIR:** 0.004 NNW **ELEVATION:** 338 **MAP ID:** 1

NAME: WILDWOOD CEMETERY
ADDRESS: 70 STRONG ST
AMHERST, MA 01002
HAMPSHIRE

Click here for full text details

UST
Facility Id: 166
Tank Status: Removed

SHWS, LAST

EDR ID: S114965439 **DIST/DIR:** 0.213 SW **ELEVATION:** 350 **MAP ID:** 2

NAME: FORMER HAWTHORNE RES
ADDRESS: 235 EAST PLEASANT ST
AMHERST, MA 01002

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0019275 / RAO

Click here to access the MA DEP site for this facility

LAST
Release Tracking Number / Current Status: 1-0019275 / RAO

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S105198853 **DIST/DIR:** 0.517 SSW **ELEVATION:** 290 **MAP ID:** 3

NAME: NO LOCATION AID
ADDRESS: 99 EAST PLEASANT ST
AMHERST, MA

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0014063 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S100828060 **DIST/DIR:** 0.536 West **ELEVATION:** 250 **MAP ID:** 4

NAME: UNIV OF MASSACHUSETT
ADDRESS: ENV HEALTH NORTH 414
AMHERST, MA 01002

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0000016 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S100040405 **DIST/DIR:** 0.582 SSW **ELEVATION:** 286 **MAP ID:** 5

NAME: TRIANGLEPRAY & E PLE
ADDRESS: TRIANGLE ST
AMHERST, MA 01002

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S100040405 **DIST/DIR:** 0.582 SSW **ELEVATION:** 286 **MAP ID:** 5

NAME: TRIANGLEPRAY & E PLE
ADDRESS: TRIANGLE ST
AMHERST, MA 01002

SHWS
Release Tracking Number / Current Status: 1-0000649 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S111739368 **DIST/DIR:** 0.640 WNW **ELEVATION:** 232 **MAP ID:** 6

NAME: CONSTRUCTION SITE
ADDRESS: 650 NORTH PLEASANT S
AMHERST, MA 01003

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0018665 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S104000270 **DIST/DIR:** 0.685 SSW **ELEVATION:** 282 **MAP ID:** A7

NAME: NO LOCATION AID
ADDRESS: 168 NORTH PLEASANT S
AMHERST, MA

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S104000270 **DIST/DIR:** 0.685 SSW **ELEVATION:** 282 **MAP ID:** A7

NAME: NO LOCATION AID
ADDRESS: 168 NORTH PLEASANT S
AMHERST, MA

SHWS
Release Tracking Number / Current Status: 1-0013052 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S110173717 **DIST/DIR:** 0.690 NNW **ELEVATION:** 306 **MAP ID:** 8

NAME: UNIV OF MASSACHUSETT
ADDRESS: 112 EASTMAN LANE
AMHERST, MA 01003

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0019533 / UNCLSS

Click here to access the MA DEP site for this facility

SHWS

EDR ID: U000223267 **DIST/DIR:** 0.694 South **ELEVATION:** 313 **MAP ID:** 9

NAME: GETTY PROP #6202
ADDRESS: 203 TRIANGLE ST
AMHERST, MA 01002
HAMPSHIRE

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: U000223267 **DIST/DIR:** 0.694 South **ELEVATION:** 313 **MAP ID:** 9

NAME: GETTY PROP #6202
ADDRESS: 203 TRIANGLE ST
AMHERST, MA 01002
HAMPSHIRE

SHWS
Release Tracking Number / Current Status: 1-0000895 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S101041623 **DIST/DIR:** 0.695 SSW **ELEVATION:** 282 **MAP ID:** A10

NAME: EXXON MOBIL OIL CORP
ADDRESS: 161 NORTH PLEASANT S
AMHERST, MA 01002

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0016838 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S106953840 **DIST/DIR:** 0.769 SSW **ELEVATION:** 291 **MAP ID:** 11

NAME: POLE #4
ADDRESS: 33 KELLOGG AVE
AMHERST, MA

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S106953840 **DIST/DIR:** 0.769 SSW **ELEVATION:** 291 **MAP ID:** 11

NAME: POLE #4
ADDRESS: 33 KELLOGG AVE
AMHERST, MA

SHWS
Release Tracking Number / Current Status: 1-0015809 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S101021851 **DIST/DIR:** 0.779 West **ELEVATION:** 232 **MAP ID:** 12

NAME: POLE #78/49
ADDRESS: OFF COMMONWEALTH AVE
AMHERST, MA 01002
HAMPSHIRE

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0011619 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S112288242 **DIST/DIR:** 0.781 SSW **ELEVATION:** 293 **MAP ID:** 13

NAME: COMMERCIAL PROPERTY
ADDRESS: 103 NORTH PLEASANT S
AMHERST, MA 01002

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S112288242 **DIST/DIR:** 0.781 SSW **ELEVATION:** 293 **MAP ID:** 13

NAME: COMMERCIAL PROPERTY
ADDRESS: 103 NORTH PLEASANT S
AMHERST, MA 01002

SHWS
Release Tracking Number / Current Status: 1-0018965 / TIERII

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S111085853 **DIST/DIR:** 0.812 WSW **ELEVATION:** 220 **MAP ID:** 14

NAME: UMASS CRAMPTON HALL/
ADDRESS: 256 SUNSET AVE
AMHERST, MA 01003

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0018343 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S108034399 **DIST/DIR:** 0.815 NW **ELEVATION:** 236 **MAP ID:** B15

NAME: LERDERLE LOW RISE
ADDRESS: NORTH PLEASANT AND G
AMHERST, MA

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S108034399 **DIST/DIR:** 0.815 NW **ELEVATION:** 236 **MAP ID:** B15

NAME: LERDERLE LOW RISE
ADDRESS: NORTH PLEASANT AND G
AMHERST, MA

SHWS
Release Tracking Number / Current Status: 1-0016269 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S108348225 **DIST/DIR:** 0.816 NW **ELEVATION:** 236 **MAP ID:** B16

NAME: UMASS PVTA BUS DEPOT
ADDRESS: 255 GOVERNORS DR
AMHERST, MA 01003

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0016496 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S117964657 **DIST/DIR:** 0.821 WSW **ELEVATION:** 229 **MAP ID:** 17

NAME: RESIDENCE
ADDRESS: 237 SUNSET AVENUE
AMHERST, MA

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S117964657 **DIST/DIR:** 0.821 WSW **ELEVATION:** 229 **MAP ID:** 17

NAME: RESIDENCE
ADDRESS: 237 SUNSET AVENUE
AMHERST, MA

SHWS
Release Tracking Number / Current Status: 1-0019693 / PSNC

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S102083454 **DIST/DIR:** 0.876 West **ELEVATION:** 189 **MAP ID:** 18

NAME: POWER PLANT PUMP HOU
ADDRESS: CAMPUS CENTER WAY SE
AMHERST, MA 01003

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0010724 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S106953796 **DIST/DIR:** 0.906 SSW **ELEVATION:** 301 **MAP ID:** 19

NAME: NO LOCATION AID
ADDRESS: 40-50 MAIN ST
AMHERST, MA

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S106953796 **DIST/DIR:** 0.906 SSW **ELEVATION:** 301 **MAP ID:** 19

NAME: NO LOCATION AID
ADDRESS: 40-50 MAIN ST
AMHERST, MA

SHWS
Release Tracking Number / Current Status: 1-0014556 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S103545206 **DIST/DIR:** 0.916 WSW **ELEVATION:** 175 **MAP ID:** 20

NAME: CONCRETE PAD IN FRON
ADDRESS: 630 MASSACHUSETTS AV
AMHERST, MA 01003

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0010195 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S105124777 **DIST/DIR:** 0.935 SSW **ELEVATION:** 302 **MAP ID:** 21

NAME: ACROSS FROM TOWN HAL
ADDRESS: BOLTWOOD AVE
AMHERST, MA 01002

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S105124777 **DIST/DIR:** 0.935 SSW **ELEVATION:** 302 **MAP ID:** 21

NAME: ACROSS FROM TOWN HAL
ADDRESS: BOLTWOOD AVE
AMHERST, MA 01002

SHWS
Release Tracking Number / Current Status: 1-0013943 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S111411726 **DIST/DIR:** 0.941 West **ELEVATION:** 186 **MAP ID:** 22

NAME: FORMER POWER PLANT -
ADDRESS: 40 CAMPUS CENTER SER
AMHERST, MA 01003

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0018584 / TIERII

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S100360542 **DIST/DIR:** 0.950 WNW **ELEVATION:** 196 **MAP ID:** 23

NAME: UMASS PHYSICAL PLNT
ADDRESS: 2 CAMPUS CENTERWAY
AMHERST, MA 01002

Click here for full text details

- Continued on next page -

Mapped Sites Summary

Target Property: 71 STRONG STREET
AMHERST, MA 01002

SHWS

EDR ID: S100360542 **DIST/DIR:** 0.950 WNW **ELEVATION:** 196 **MAP ID:** 23

NAME: UMASS PHYSICAL PLNT
ADDRESS: 2 CAMPUS CENTERWAY
AMHERST, MA 01002

SHWS
Release Tracking Number / Current Status: 1-0000943 / RAO

Click here to access the MA DEP site for this facility

SHWS

EDR ID: S102083773 **DIST/DIR:** 0.969 SSW **ELEVATION:** 298 **MAP ID:** 24

NAME: LORD JEFFERY INN
ADDRESS: 30 BOLTWOOD AVENUE
AMHERST, MA 01002

Click here for full text details

SHWS
Release Tracking Number / Current Status: 1-0011214 / RAO
Release Tracking Number / Current Status: 1-0018042 / RAO

Click here to access the MA DEP site for this facility

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AMHERST	S113411575	CORNER OF THATCHER AND CLARK HILL	CLARK HILL ROAD		SHWS
AMHERST	S108034425	N PLEASANT ST NEW DORM CONSTRUCTIO	EASTMAN LN	01003	SHWS
AMHERST	S109546226	PIERPONT DORMITORY	FEARING ST		SHWS
AMHERST	S110526346	UMASS SOUTHWEST RESIDENTIAL AREA	MASS AVE. AND UNIVERSITY DR.	01003	SHWS
AMHERST	S105124794	UMASS CHILLED WATER PUMPHOUSE	MASSACHUSETTS AVE		SHWS
AMHERST	S111989410	MELVILLE RESIDENCE HALL	MASSACHUSETTS AVENUE	01003	SHWS
AMHERST	S105198704	JONES PATTERSON	EAST PLEASANT ST	01002	SHWS

RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Arvl. Date	Active Date	Last EDR Contact
MA	AST	Aboveground Storage Tank Database	10/22/2009	10/28/2009	11/06/2009	07/20/2015
MA	BROWNFIELDS	Completed Brownfields Covenants Listing	11/01/2014	11/06/2014	11/10/2014	08/07/2015
MA	BROWNFIELDS 2	Potential Brownfields Listing	12/17/2014	05/06/2015	05/11/2015	08/07/2015
MA	INST CONTROL	Sites With Activity and Use Limitation	06/30/2015	07/14/2015	08/04/2015	07/14/2015
MA	LAST	Leaking Aboveground Storage Tank Sites	06/30/2015	07/14/2015	08/04/2015	07/14/2015
MA	LF PROFILES	Landfill Profiles Listing	06/26/2012	11/21/2014	12/17/2014	07/10/2015
MA	LUST	Leaking Underground Storage Tank Listing	06/30/2015	07/14/2015	08/04/2015	07/14/2015
MA	SHWS	Site Transition List	06/30/2015	07/14/2015	08/04/2015	07/14/2015
MA	SWF/LF	Solid Waste Facility Database/Transfer Stations	01/29/2015	04/09/2015	04/21/2015	07/10/2015
MA	UST	Summary Listing of all the Tanks Registered in the State of	07/13/2015	07/21/2015	08/04/2015	07/21/2015
US	BRS	Biennial Reporting System	12/31/2011	02/26/2013	04/19/2013	05/29/2015
US	CERCLIS	Comprehensive Environmental Response, Compensation, and Liab	10/25/2013	11/11/2013	02/13/2014	05/29/2015
US	CERCLIS-NFRAP	CERCLIS No Further Remedial Action Planned	10/25/2013	11/11/2013	02/13/2014	05/29/2015
US	CORRACTS	Corrective Action Report	06/09/2015	06/26/2015	09/16/2015	06/26/2015
US	Delisted NPL	National Priority List Deletions	03/26/2015	04/08/2015	06/22/2015	07/09/2015
US	ERNS	Emergency Response Notification System	06/22/2015	06/26/2015	09/16/2015	06/26/2015
US	FEDERAL FACILITY	Federal Facility Site Information listing	03/26/2015	04/08/2015	06/11/2015	07/10/2015
US	FEDLAND	Federal and Indian Lands	12/31/2005	02/06/2006	01/11/2007	07/14/2015
US	FEMA UST	Underground Storage Tank Listing	01/01/2010	02/16/2010	04/12/2010	07/10/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	02/03/2015	04/30/2015	06/22/2015	07/31/2015
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	02/03/2015	02/12/2015	03/13/2015	07/22/2015
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	09/30/2014	03/03/2015	03/13/2015	07/22/2015
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	04/30/2015	05/29/2015	06/22/2015	07/22/2015
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	03/17/2015	05/01/2015	06/22/2015	07/22/2015
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	03/30/2015	04/28/2015	06/22/2015	07/22/2015
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	04/30/2015	05/05/2015	06/22/2015	07/22/2015
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	01/08/2015	01/08/2015	02/09/2015	07/31/2015
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	02/03/2015	04/30/2015	06/22/2015	07/31/2015
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	05/06/2015	05/19/2015	06/22/2015	07/22/2015
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	09/30/2014	03/03/2015	03/13/2015	07/22/2015
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	04/30/2015	05/26/2015	06/22/2015	07/22/2015
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	03/17/2015	05/01/2015	06/22/2015	07/22/2015
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	09/23/2014	11/25/2014	01/29/2015	07/22/2015
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	04/30/2015	05/05/2015	06/22/2015	07/22/2015
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	12/14/2014	02/13/2015	03/13/2015	07/31/2015
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	09/29/2014	10/01/2014	11/06/2014	06/26/2015
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	03/20/2008	04/22/2008	05/19/2008	04/20/2009
US	LUCIS	Land Use Control Information System	05/28/2015	05/29/2015	06/11/2015	08/12/2015
US	NPL	National Priority List	03/26/2015	04/08/2015	06/22/2015	07/09/2015
US	NPL LIENS	Federal Superfund Liens	10/15/1991	02/02/1994	03/30/1994	08/15/2011
US	PRP	Potentially Responsible Parties	10/25/2013	10/17/2014	10/20/2014	05/14/2015
US	Proposed NPL	Proposed National Priority List Sites	03/26/2015	04/08/2015	06/22/2015	07/09/2015
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	06/09/2015	06/26/2015	09/16/2015	06/26/2015
US	RCRA-LQG	RCRA - Large Quantity Generators	06/09/2015	06/26/2015	09/16/2015	06/26/2015
US	RCRA-SQG	RCRA - Small Quantity Generators	06/09/2015	06/26/2015	09/16/2015	06/26/2015
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	06/09/2015	06/26/2015	09/16/2015	06/26/2015
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	07/22/2015	07/24/2015	09/02/2015	06/22/2015

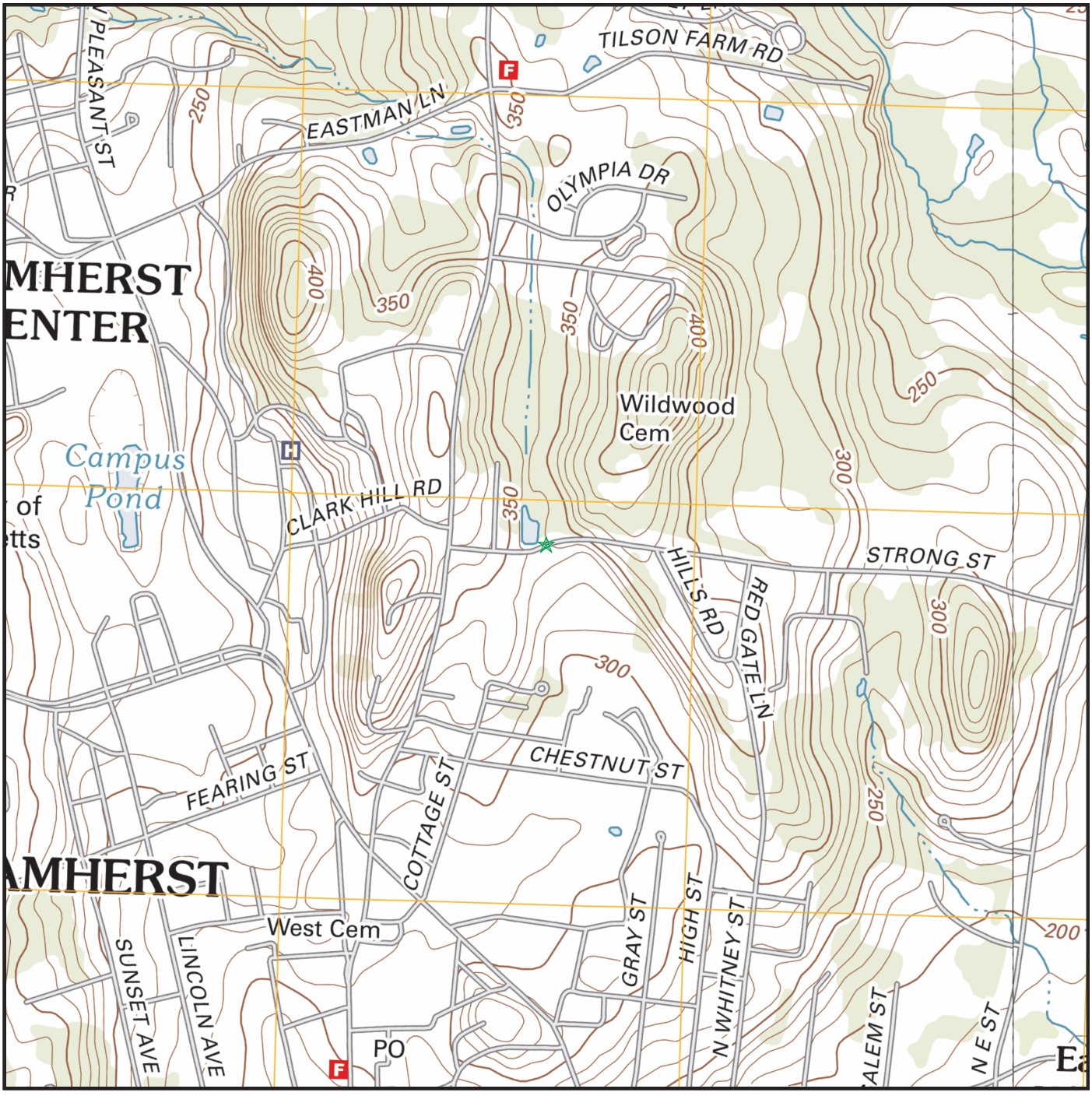
RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Gov Date	Arvl. Date	Active Date	Last EDR Contact
US	US AIRS MINOR	Air Facility System Data	07/22/2015	07/24/2015	09/02/2015	06/22/2015
US	US ENG CONTROLS	Engineering Controls Sites List	06/09/2015	06/26/2015	09/02/2015	08/31/2015
US	US INST CONTROL	Sites with Institutional Controls	06/09/2015	06/26/2015	09/02/2015	08/31/2015

STREET AND ADDRESS INFORMATION

USGS 7.5 Minute Topographic Map

71 STRONG STREET AMHERST, MA 01002



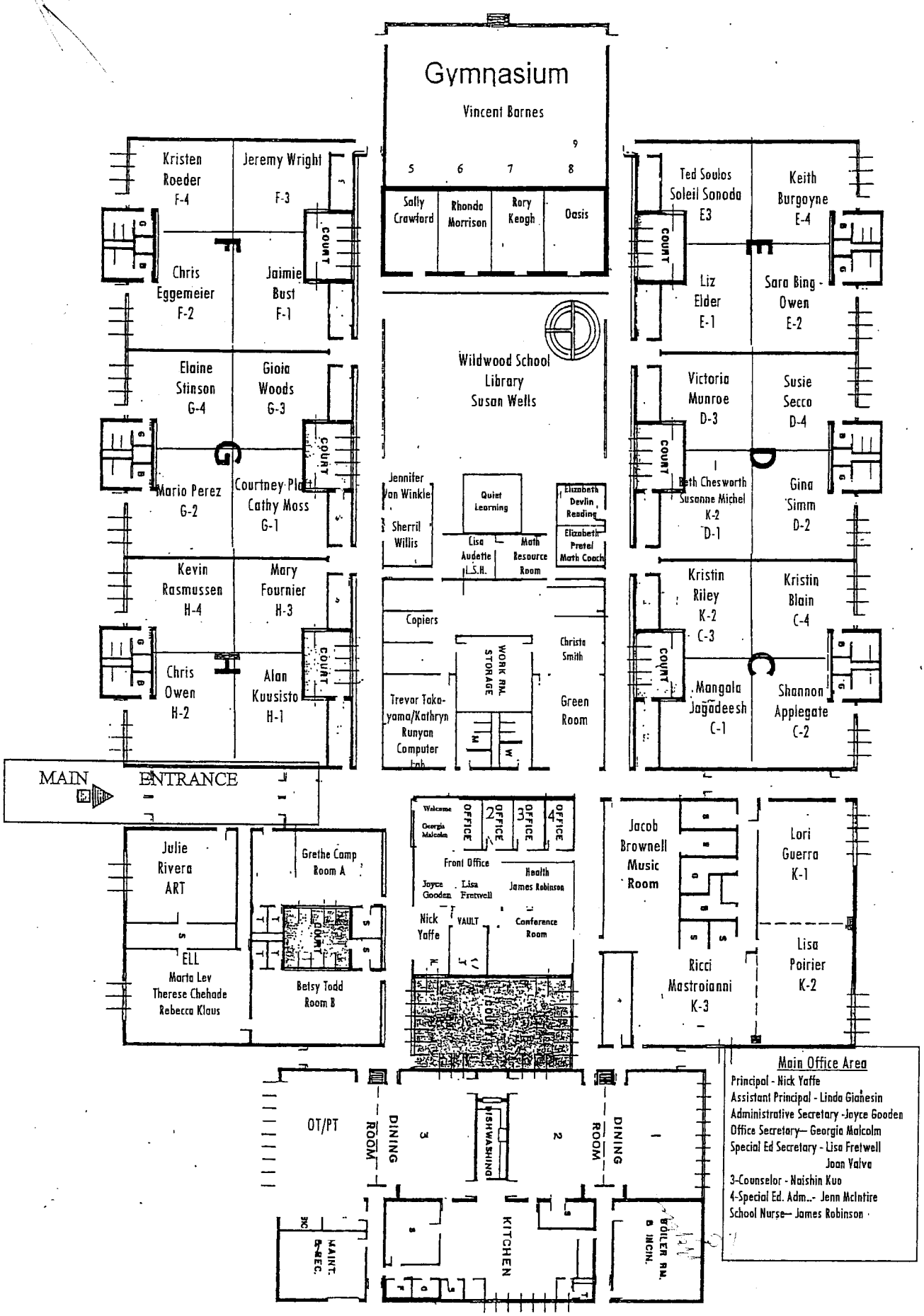
Map Image Position: TP
Map Reference Code & Name: 5642742 Mount Toby
Map State(s): MA
Version Date: 2012
Map Image Position: NE
Map Reference Code & Name: 5642718 Shutesbury
Map State(s): MA
Version Date: 2012

Map Image Position: SE
Map Reference Code & Name: 5642686 Belchertown
Map State(s): MA
Version Date: 2012

EDR First Report

APPENDIX B

WILDWOOD SCHOOL 2015-2016



Main Office Area

Principal - Nick Yaffe
Assistant Principal - Linda Giahesin
Administrative Secretary -Joyce Gooden
Office Secretary— Georgia Malcolm
Special Ed Secretary - Lisa Fretwell
Joan Valva
3-Counselor - Naishin Kuo
4-Special Ed. Adm..- Jenn McIntire
School Nurse— James Robinson

Property Location: 71 STRONG ST | MAP ID:11B/ / 76/ / | Bldg Name: | State Use:9034
Vision ID: 2205 | Account # | Bldg #: 1 of 1 | Sec #: 1 of 1 | Card 1 of 1 | Print Date:12/05/2014 11:23

CURRENT OWNER	TOPO.	UTILITIES	STRT./ROAD	LOCATION
TOWN OF AMHERST SCHOOL DEPT				
TOWN HALL				
AMHERST, MA 01002				
Additional Owners:				

SUPPLEMENTAL DATA

Other ID:	WILDWOOD SCHOOL	Precinct	
Calc Frontag	571.2	Vote At	
		Tenant	
		Parent	
BIDIN		Created	
BIDOUT			
GIS ID:	11B-76	ASSOC PID#	

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
EXEMPT	9030	25,217,800	25,217,800
EXM LAND	9030	329,400	329,400
		Total	25,547,200	25,547,200

601
Amherst, MA

VISION

RECORD OF OWNERSHIP	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.
TOWN OF AMHERST SCHOOL DEPT	1464/ 123	06/15/1965	U		0	
W D COWLES INC	1213/ 346				0	

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
2015	9030	25,217,800	2014	9030	25,217,800	2013	9030	12,358,400
2015	9030	329,400	2014	9030	329,400	2013	9030	259,400
	Total:	25,547,200		Total:	12,617,800		Total:	8,410,800

EXEMPTIONS

Year	Type	Description	Amount
		Total:	

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm. Int.

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

NBHD/ SUB	NBHD Name	Street Index Name	Tracing	Batch
SA/A				

NOTES

WILDWOOD ELEMENTARY

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	25,158,400
Appraised XF (B) Value (Bldg)	59,400
Appraised OB (L) Value (Bldg)	0
Appraised Land Value (Bldg)	329,400
Special Land Value	0
Total Appraised Parcel Value	25,547,200
Valuation Method:	C
Exemptions	0
Adjustment:	0
Net Total Appraised Parcel Value	**25,547,200**

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments
PLM14-0057	08/30/2013	PL	Plumbing	0		0		DISHWASHER & DISPO
ELE14-0123	08/20/2013	EL	Electric	0		0		ELECTRIFIED MAIN E
ELE12-0119	08/16/2011	EL	Electric	0		0		INTERCOM SYSTEM
ELE11-0133	08/18/2010	EL	Electric	0		0		REPL COOLER & FREE
ELE09-0026	07/15/2008	EL	Electric	0		0		REPL 24 LIGHTS IN GY
ELE05-570	01/10/2005	EL	Electric	0		0		REPL FIRE ALARM & F
ELE05-056	07/23/2004	EL	Electric	0		0		MISC WIRING

VISIT/ CHANGE HISTORY

Date	Type	IS	ID	Cd.	Purpose/Result
07/17/1986			A		

LAND LINE VALUATION SECTION

B #	Use Code	Use Description	Zone	D	Front	Depth	Units		Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. Idx	Adj.	Notes- Adj	Special Pricing	S Adj Fact	Adj. Unit Price	Land Value
1	9034	Municpal C	RN20				108,900	SF	1.86	1.1000	7	1.0000	1.00	CE	1.00			1.00		222,800
1	9034	Municpal C	RN23				11.84	AC	10,000.00	0.9000	0	1.0000	1.00	SA	1.00			1.00		106,600

Total Card Land Units: 14.34 AC | Parcel Total Land Area: 14.34 AC | Total Land Value: 329,400

Property Location: 71 STRONG ST | **MAP ID:** 11B/ / 76/ / | **Bldg Name:** | **State Use:** 9034

Vision ID: 2205 | **Account #** | **Bldg #:** 1 of 1 | **Sec #:** 1 of 1 | **Card** 1 of 1 | **Print Date:** 12/05/2014 11:23

CONSTRUCTION DETAIL

Element	Cd.	Ch.	Description
Style	74		School/Public
Model	94		Commercial
Grade	11		B
Stories	1		
Occupancy	0		
Exterior Wall 1	20		Brick/Masonry
Exterior Wall 2			
Roof Structure	01		Flat
Roof Cover	02		Rolled Compos
Interior Wall 1	05		Drywall/Sheet
Interior Wall 2			
Interior Floor 1	04		Concr Abv Grad
Interior Floor 2			
Heating Fuel	02		Oil
Heating Type	05		Hot Water
AC Type	01		None
Bldg Use	9034		Municpal C
Total Rooms			
Total Bedrms	00		
Total Baths	9		
Foundation			
Heat/AC	02		Heat/Ac Split
Frame Type	03		Masonry
Baths/Plumbing	03		Above Average
Ceiling/Wall	03		Sus-Ceil/Mn Wl
Rooms/Prtns	03		Above Average
Wall Height	12		
% Comn Wall	0		

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd.	Ch.	Description

MIXED USE

Code	Description	Percentage
9034	Municpal C	100

COST/MARKET VALUATION

Adj. Base Rate:	319.11
Replace Cost	34,463,556
AYB	1976
Dep Code	A
Remodel Rating	
Year Remodeled	
Dep %	27
Functional Obslnc	0
External Obslnc	0
Cost Trend Factor	
Condition	
% Complete	
Overall % Cond	73
Apprais Val	25,158,400
Dep % Ovr	0
Dep Ovr Comment	
Misc Imp Ovr	0
Misc Imp Ovr Comment	
Cost to Cure Ovr	0
Cost to Cure Ovr Comment	

BAS[108000]

OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)

Code	Description	Sub	Sub Descript	L/B	Units	Unit Price	Yr	Gde	Dp Rt	Cnd	%Cnd	Apr Value
SPR2	Sprinlklers wet			B	108,00	1.10	1987		1		50	59,400

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value
BAS	First Floor	108,000	108,000	108,000	319.11	34,463,556
	Ttl. Gross Liv/Lease Area:	108,000	108,000	108,000		34,463,556

No Photo On Record

88-82

THE COMMONWEALTH OF MASSACHUSETTS

Town of Amherst

FIRE DEPARTMENT

FIRE PREVENTION DIVISION

PERMIT FOR STORAGE OF FUEL OIL

FORM 245 HOBBS & WARREN, INC.

In accordance with provisions of Chapter 148, General Laws, and amendments thereto and Regulations made under authority thereof.

Name Wildwood Elem. School (OWNER OR OCCUPANT) — Name Industrial Combustion Inc. (INSTALLER)

Address Strong St. — Address Bloomfield, Ct.

BURNER		STORAGE	
Name	Forced Draft	Type of Tank	Steel round
Manufacturer	Ray Burner Co.	Capacity	10,000 gals. (or) Size
Model No. or Size	PAEOP-114	Location	Underground
Type	Gun	Mass. Approval No.	651

Permit issued 9/13/82 expires ....

Fee .... Paid .... By H. A. Cummings (HEAD OF FIRE DEPARTMENT)

This Permit must be Conspicuously Posted on Premises

30-69

THE COMMONWEALTH OF MASSACHUSETTS

Town of Amherst

FIRE DEPARTMENT

FIRE PREVENTION DIVISION

PERMIT FOR STORAGE OF FUEL OIL

FORM 245 HOBBS & WARREN, INC.

In accordance with provisions of Chapter 148, General Laws, and amendments thereto and Regulations made under authority thereof.

Name Amherst Elementary School (OWNER OR OCCUPANT) — Name [illegible] (INSTALLER)

Address Strong St. *Wildwood School* — Address [illegible] St. Springfield

BURNER		STORAGE	
Name	Petro	Type of Tank	Steel round
Manufacturer	[illegible] Conditioning	Capacity	10,000 gals. (or) Size
Model No. or Size	[illegible]	Location	Underground
Type	Rotary	Mass. Approval No.	173

Permit issued .... expires .... (HEAD OF FIRE DEPARTMENT)

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

January 26, 2022
J2936-06-01

AMHERST SCHOOL PROJECT
PDP/PSR PHASE
ASBESTOS & HAZARDOUS MATERIALS

Amherst, Massachusetts

PREPARED FOR:
Mr. Timothy Cooper, Associate
DiNisco Design, Inc.
99 Chauncy Street, Suite 901
Boston, Massachusetts 02111

PREPARED BY:
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street, Suite 500
Springfield, MA 01103

O'Reilly, Talbot & Okun
ENGINEERING ASSOCIATES

January 26, 2022
J2936-06-01

Mr. Timothy Cooper
DiNisco Design, Inc.
99 Chauncy Street, Suite 901
Boston, Massachusetts 02111

Re: PDP/PSR Phase
Asbestos & Hazardous Materials
Amherst School Project
Amherst, Massachusetts

Dear Mr. Cooper,

O'Reilly, Talbot & Okun Associates, Inc. is pleased to provide this report which summarizes preliminary asbestos and hazardous materials assessment activities conducted at the Wildwood and Fort River Elementary Schools to you and DiNisco Design Inc. (Client). The information contained herein is intended for use as part of the Preliminary Design Program (PDP) and Preferred Schematic Report (PSR) phase for the Amherst School Project in Amherst, Massachusetts.

Should you have any questions regarding the report, please do not hesitate to call.

Kind regards,
O'Reilly, Talbot & Okun Associates, Inc.

Robert Kirchherr, CSP
Principal

Christine Arruda, CIEC
Associate

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TABLES

INTRODUCTION

O'Reilly Talbot & Okun Associates, Inc. (OTO) has conducted a preliminary asbestos and hazardous materials assessment of the Wildwood (Wildwood) and Fort River (Fort River) Elementary Schools, located at 71 Strong Street, and 70 S. East Street, respectively, in Amherst, Massachusetts. These activities were conducted as part of the combined Preliminary Design Program (PDP) and Preferred Schematic Report (PSR) phases involved with the Amherst School Project.

The PDP/PSR Phase of the project is intended to provide the design team (lead by DiNisco Design Inc. [DiNisco, Client], and the Town of Amherst (Amherst) with information to assist in the determination of most favorable and feasible location option for combining two existing elementary school populations in to one.

The information provided in this report is subject to the Terms and Conditions as conveyed in our proposal contract with you, as well as the Limitations expressed herein and attached.

METHODOLOGY

Our PDP/PSR assessment included a general review of available records, and Site walkthroughs of both Schools. There was no bulk sampling of suspect asbestos containing materials conducted as part of this assessment.

The records review included general study of the following documents which were provided to OTO by the Client, and by the Amherst representatives:

- "Final Report for Hazardous Materials Identification Study at the Wildwood Elementary School", prepared by Universal Environmental Consultants (UEC), dated October 15, 2015;
- Asbestos Hazard Emergency Response Act (AHERA) tabulated data for both Schools (March 2020 3-year Re-Inspection reports, Winter 2020 6-Month Periodic Surveillance, and Spring 2021 6-Month Periodic Surveillance), each provided to Amherst by ATC (Atlas) Associates;
- "Evaluation of Existing Conditions" report for Wildwood School, prepared by JCJ Architecture, provided to Amherst in 2015; and
- "Section 5, Evaluation of Existing Conditions", for Fort River School, prepared by TSKP Studio, unknown date.

The available documentation did not include original AHERA inspection reports (with associated testing results, recommendations, OM Plan, etc.). Additional documentation provided to OTO included scanned copies of original blueprint designs (dated 1969, and predating construction by between 1 and 4 years) for the Fort River School by Alderman & MacNeish Architects and Engineers. However, these images were significantly pixelated, and therefore were not considered a reliable source of actual (as built) plans documenting building finishes or construction materials for the purposes of identifying potential asbestos containing materials.

Our evaluation also included general discussions with Amherst School facility personnel that included previous school construction and repair activities, asbestos testing, and asbestos abatement activities.

A walkthrough of each School was conducted on December 30, 2021, by Mr. Jonathan Hermanson (Massachusetts licensed Asbestos Inspector AI901017). Mr. Hermanson conducted a visual assessment of safely and readily accessible building finish materials to generally confirm those materials identified in the UEC report. A physical assessment and collection of bulk samples of suspect building materials, as well as the collection of measurements were not conducted as part of the PDP/PSR phase. AHERA documentation was provided to OTO subsequent to the walkthrough. However, because both Schools were reportedly designed by the same design team and generally constructed concurrently (mid 1970's) with very similar layouts and specified building materials, we have extrapolated our findings for the purposes of this report.

Summary information provided below and on the following pages is based on combined data from the documentation previously described. It should be noted that there were overlap and discrepancies identified between reports which limit the accuracy of information provided in our summaries. Therefore, our summaries provide general identification of confirmed asbestos containing materials (ACMs), presumed asbestos containing materials (PACMs), and identification of other hazardous materials commonly associated with Schools and observed during walkthrough activities. Tabulated results with approximate quantity and abatement budget estimations for asbestos and hazardous materials abatement are provided in Tables 1 (Wildwood School) and 2 (Fort River School) as attached.

GENERAL BUILDING DESCRIPTIONS

Wildwood Elementary School

The Wildwood Elementary School was reportedly constructed in 1970; however, Amherst Assessor's Database property card indicates a 1976 construction date. The building is generally rectangular in shape, and one story-masonry and steel structure (approximately 82,000 square feet) constructed on a concrete, slab-on-grade foundation. There are no known sub-grade basement or crawlspace areas. The School is currently in operation and generally contains a mix of classroom space (consisting of classroom quads), administrative offices, a gymnasium, kitchen and cafeteria, media center, restrooms, storage areas, mechanical spaces, restrooms, and common areas (hallways).

Exterior finishes on the School include a brick façade over concrete masonry unit (CMU) walls. A vapor barrier, damp proofing, or bonding (adhesion) layer, considered a PACM, may be present between the structural CMU and brick façade walls. According to available documentation, the roof is flat and finished with membrane roofing materials (installed in 2001 during a roof replacement project) over a metal roof deck. It is presumed that the roof replacement included the removal of previously existing roofing materials (reportedly built-up gravel roofing). However, because documentation for asbestos testing of roofing materials (including penetration flashing and sealants) has not been

conducted, the materials are considered PACM. Most windows are single pane, aluminum framed style with glazing and caulking compounds identified in various documentation as containing asbestos. Exterior entry / egress doors are primarily hollow metal framed, metal clad security doors of various ages.

Available documentation did not reference the type of building insulation materials which may be present. In addition, based on walkthrough findings, spray-on fireproofing was not observed to be present on structural elements or the underside of the metal roofing deck.

Interior flooring includes resilient tile flooring (of various coloring) and associated mastic, ceramic tile, or hardwood (i.e., gymnasium), cove base (in some areas), and carpeting over concrete. Although available documentation for the Wildwood School indicates approximately 250 square feet of asbestos containing resilient flooring is present within the ELL Room, there may be asbestos containing flooring or adhesive mastic located beneath this and other areas of the Scbool; therefore, we will carry a conservative estimate of 40,000 square feet of presumed asbestos containing flooring materials (PACM).

Walls are generally painted CMU or glazed block, or gypsum attached to metal framework (typically found as “partition” walls). Ceilings throughout are a primarily 2-foot by 4-foot suspended ceiling tiles. The UEC report identifies the ceiling tiles as containing asbestos. Some areas (i.e., some restrooms, boiler room) are finished with plaster, which were identified in the UEC report as not containing asbestos. Interior doors are a primarily wood or metal, some with glass panes and glazing compounds. It is unknown if these doors contain fire-resistant core materials which may contain asbestos and are considered PACM. Available documentation also identifies blackboard, whiteboard, and mirror adhesive as a PACM.

The building is primarily heated by a recirculated hot water system, supplied by natural gas fed boilers (located in the School Boiler Room) which were installed in 2017-2018 as part of a boiler replacement project. Although the boilers are “newer”, and do not have exterior asbestos containing thermal systems insulation (TSI), internal components (i.e., gaskets, refractory compounds, etc.) may contain asbestos; therefore, the boilers are considered PACM units. The boiler breech, partially insulated with asbestos containing thermal systems insulation (TSI), is still present in the boiler room. Heated potable water throughout the School is supplied by hot water tank system, also located in the boiler room. Heating distribution piping located primarily above ceilings are insulated fiberglass, and with asbestos containing TSI fittings. Classrooms contain perimeter wall unit ventilators (supplied by the recirculated hot water system) which supply heat and natural ventilation. These heaters may contain a backing (insulating) board which is considered a PACM. Ducted, supplemental forced air and ventilation from various air handling units is also provided to various areas of the School including the Gymnasium. Sheet metal ductwork, insulated with foil-faced fiberglass insulation and adhered to the duct by asbestos containing brown pin adhesive is located at the ceiling level of the Gymnasium. Cooling is provided by a Trane chiller/evaporator (located in the boiler room) and rooftop mounted condenser unit. Classroom exhaust is provided by rooftop mounted exhaust fans.

Based on review of available documentation and site walkthrough findings the following materials are currently identified as ACM or PACM within the Wildwood Elementary School are:

ACM

- Gym floor damp proofing: Approximately 3,800 square feet
- Glazing and caulking compounds on exterior and interior doors, windows, and expansion joints: throughout
- Sink Undercoating, throughout: Approximately 36 units
- Acoustical ceiling tiles: Approximately 56,000 square feet
- Brown glue pin adhesive on fiberglass insulated ductwork, Gym ceiling: Approximately 3,000 square feet
- Thermal Systems Insulation, boiler breech in Boiler Room: Approximately 100 square feet
- Thermal Systems Insulation, pipe fittings throughout School: Approximately 1,306 fittings

PACM

- Resilient Flooring and mastic, ELL Room: 40,000 sq. ft.
- Ceramic tile flooring (grout and skim), select rooms: Approximately 2,800 square feet
- Blackboard, Whiteboard, Bulletin board, and Mirror adhesive, throughout: 3,300 square feet
- Gymnasium upper dividing wall board, Gym: Approximately 510 square feet
- Unit ventilator backing insulation board, throughout: Approximately 30 units
- Interior doors, fireproof core materials, throughout: Approximately 100 doors
- Lockinvar Boiler internal components (i.e., gaskets, refractory, etc.): 2 units
- Perimeter foundation damp proofing: Approximately 3,000 square feet
- Perimeter wall damp proofing, vapor barrier, or bonding adhesive between structural CMU and brick façade: Approximately 6,000 square feet (OTO estimation)
- Roofing materials, penetration flashing and/or sealants: Approximately 82,000 square feet
- Subsurface cementitious utility conduit, duct bank, and/or utility distribution piping: Approximately 1,500 linear feet

Other Hazardous Materials

Materials which may be considered hazardous and require special handling and disposal within the School include: fluorescent lighting fixtures and bulbs, emergency lighting and exit signs, refrigerants utilized in the cooling system and kitchen refrigeration unit, backup diesel fueled generator reservoir and associated above-ground storage tank, and general universal wastes (i.e., maintenance and cleaning supplies, paints, etc.).

Lead Based Paint

A screening to identify materials finished with lead-based paint was not conducted as part of the PDP/PSR phase; however, lead-based paint is presumed to be located in various areas of the School. Disturbance of lead-based paint should be conducted in accordance with applicable federal, state, and local regulations and standards including: the OSHA Lead in Construction Standard, 29 CFR 1926.62, and the EPA Renovate, Repair and Painting (RRP) program.

Approximate quantity and abatement budget estimations for asbestos containing materials (ACM and PACM) and hazardous materials at the Wildwood Elementary School are summarized in Table 1.

Fort River Elementary School

The Fort River Elementary School was reportedly constructed in 1973; however, Amherst Assessor's Database property card indicates a 1976 construction date. The building is generally rectangular in shape, and one story-masonry and steel structure (approximately 108,000 square feet) constructed on a concrete, slab-on-grade foundation. There are no known sub-grade basement or crawlspace areas. The usage (including layout, rooms, and usage), and exterior finishes are similar to Wildwood School. However, the Fort River School was reportedly constructed in two sections, and contains an approximate 1-inch wide expansion joint running north to south. Expansion joint materials (i.e., caulk, sealant) may contain asbestos and therefore are considered PACMs.

Like Wildwood, exterior walls are constructed of CMU with a brick façade. A vapor barrier, damp proofing, or bonding (adhesion) layer, considered a PACM, may be present between the structural CMU and brick façade walls. The roof is flat and finished with membrane roofing materials (installed in 1993 during a roof replacement project) over a metal roof deck. Documents indicate that the roof replacement included the removal of previously existing roofing materials (reportedly built-up gravel roofing). However, because documentation for asbestos testing of roofing materials (including penetration flashing and sealants) has not been conducted, the materials are considered PACM. Most windows are original, single pane, aluminum framed style with glazing and caulking compounds identified in various documentation as containing asbestos. Exterior entry / egress doors are primarily hollow metal framed, metal clad security doors of various ages. Although the AHERA documentation does not reference or include windows or doors for the Fort River School, it is likely because these items are not required to be included in AHERA testing or Operations & Maintenance Programs. Because the windows and doors

are similar in nature to Wildwood and are original to the Fort River School, they are considered PACM for the purposes of our summary.

Available documentation did not reference the type of building insulation materials which may be present. Additionally, based on walkthrough findings, spray-on fireproofing was not observed to be present on structural elements or the underside of the metal roofing deck.

Interior finishes throughout are again similar to those identified in Wildwood School and include resilient tile flooring and associated mastic, ceramic tile, or hardwood (i.e., gymnasium), cove base (in some areas), and carpeting over concrete. Although documentation reports that the Fort River School contains approximately 140 square feet of asbestos containing resilient flooring is present within the ELL Room, there may be asbestos containing flooring or adhesive mastic located beneath this and other areas of the School; therefore, we will carry a conservative estimate of 40,000 square feet of presumed asbestos containing flooring materials (PACM).

Walls are painted CMU or glazed block, or fabric acoustical walls in metal framework (typically found as “partition” walls). Ceilings throughout are a primarily 2-foot by 4-foot suspended ceiling tiles. Amherst provided a summary of bulk samples which were collected from various ceiling tiles in 2021; analytical results indicate the ceiling tiles do not contain asbestos. Some areas (i.e., boiler room) are finished with plaster; the ATC AHERA report does not identify the plaster as an ACM; however, this material may not have been previously tested and therefore is considered a PACM for the purposes of this report. Interior doors are a primarily wood or metal, some with glass panes and glazing compounds. Similarly, because interior doors (wood or metal which may contain fire-resistant cores) and may not have been previously tested, the doors are considered PACM. Available documentation also identifies blackboard, whiteboard, and mirror adhesive as a PACM.

As with the Wildwood School, the building is primarily heated by a recirculated hot water system, supplied by natural gas fed boilers (located in the School Boiler Room) which were installed in 2017-2018. Internal components (i.e., gaskets, refractory) of these boilers may contain asbestos; therefore, the boiler units are considered PACM. Asbestos containing TSI on boiler breech or hot water distribution lines was not observed or identified in AHERA documentation; rather, visible distribution lines were observed to be insulated with fiberglass, and fittings covered with PVC jacket materials. Classrooms contain perimeter wall unit ventilators (supplied by the recirculated hot water system) which supply heat and natural ventilation. These heaters may contain a backing (insulating) board which is considered a PACM. Ducted, supplemental forced air and ventilation from various air handling units is also provided to various areas of the School including the Gymnasium. Sheet metal ductwork located at the ceiling level within a Gymnasium storage area contains ACM flexible fabric connectors. Cooling is provided by a Trane chiller/evaporator (located in the boiler room) and rooftop mounted condenser unit. Classroom exhaust is provided by rooftop mounted exhaust fans.

Based on review of available documentation and site walkthrough findings the following materials are currently identified as ACM or PACM within the Fort River Elementary School are:

ACM

- Ceramic tile flooring (grout and skim), select rooms: Approximately 2,800 square feet
- Sink Undercoating, throughout: Approximately 36 units
- Blackboard, Whiteboard, Bulletin board, and Mirror adhesive, throughout: 560 square feet
- Sheet metal ductwork, fabric cloth connectors (dampening cloth), Gym storage room ceiling: Approximately 10 units

PACM[1]

- Resilient Flooring and mastic, ELL Room: 40,000 sq. ft.
- Expansion joint caulk/sealant, running north to south: Approximately 392 linear feet
- Gym floor damp proofing: Approximately 3,800 square feet
- Glazing and caulking compounds on exterior and interior doors, windows, and expansion joints: approximately 300 units
- Thermal Systems Insulation, pipe fittings throughout School: Approximately 1,306 fittings
- Lockinvar Boiler internal components (i.e., gaskets, refractory, etc.): 2 units
- Gymnasium upper dividing wall board, Gym: Approximately 510 square feet
- Unit ventilator backing insulation board, throughout: Approximately 30 units
- Interior doors, fireproof core materials, throughout: Approximately 100 doors
- Perimeter foundation damp proofing: Approximately 3,000 square feet
- Perimeter wall damp proofing, vapor barrier, or bonding adhesive between structural CMU and brick façade: Approximately 6,000 square feet
- Roof materials, including penetration flashing and/or sealants: Approximately 108,000 square feet
- Subsurface cementitious utility conduit, duct bank, and/or utility distribution piping: Approximately 1,500 linear feet

Other Hazardous Materials

Materials which may be considered hazardous and require special handling and disposal within the School include: fluorescent lighting fixtures and bulbs, emergency lighting and

[1] Please Note: Various materials ACM identified at Wildwood School were not identified at Fort River. However, because both Schools were built at similar times and were designed by the same architect, and due to the limitations posed by document review and visual observations only, we are extrapolating data from Wildwood to Fort River, as a conservative measure.

exit signs, refrigerants utilized in the cooling system and kitchen refrigeration unit, backup diesel fueled generator reservoir and associated above-ground storage tank, and general universal wastes (i.e., maintenance and cleaning supplies, paints, etc.).

Lead Based Paint

A screening to identify materials finished with lead-based paint was not conducted as part of the PDP/PSR phase; however, lead-based paint is presumed to be located in various areas of the School. Disturbance of lead-based paint should be conducted in accordance with applicable federal, state, and local regulations and standards including: the OSHA Lead in Construction Standard, 29 CFR 1926.62, and the EPA Renovate, Repair and Painting (RRP) program.

Approximate quantity and abatement budget estimations for asbestos containing materials (ACM and PACM) and hazardous materials at the Fort River Elementary School are summarized in Table 2.

CONCLUSIONS

O'Reilly Talbot & Okun Associates, Inc. (OTO) has conducted a preliminary asbestos and hazardous materials assessment of the Wildwood (Wildwood) and Fort River (Fort River) Elementary Schools in Amherst, Massachusetts. These activities were conducted as part of the combined Preliminary Design Program (PDP) and Preferred Schematic Report (PSR) phases involved with the Amherst School Project.

We conducted a general review of various documents and information provided to us by the Client and the Town of Amherst. We also conducted walkthroughs of each School to assist in determining the potential similarities of building materials used for each. Both Schools were of very similar construction, layout, and building finish materials, were both designed by Alderman & MacNeish and constructed around the same time period (early 1970's). Asbestos containing building materials were commonly used in the 1970 era construction. These materials typically include miscellaneous materials including adhesives, sealants, floor coverings, ceiling tiles etc.

Based on the findings from document review and walkthrough activities, we have provided general information (including approximate quantities, locations, and abatement budget estimations) for asbestos containing materials (both confirmed and presumed ACM) and hazardous materials which may require special handing and disposal.

Our assessment was limited in nature and was not conducted to satisfy Federal (Environmental Protection Agency, EPA National Emission Standard for Hazardous Air Pollutants, NESHAP) and state (Massachusetts Department of Environmental Protection, MassDEP and Massachusetts Department of Labor Standards, MassDLS) regulations which require that, prior to renovation or demolition, building materials be tested (physical assessment with bulk sample collection where feasible). Therefore, prior to disturbance of building materials which will occur as part of the Amherst School Project, comprehensive testing should be conducted. Building materials identified as ACM or PACM would need to be properly removed and disposed of by a Massachusetts licensed,

and EPA accredited asbestos abatement contractor in accordance with federal and state regulations prior to renovation and/or demolition activities.

LIMITATIONS

1. The observations presented in this report were made under the conditions described herein. The conclusions presented in this report were based solely upon the services described in the report and not on scientific tasks or procedures beyond the scope of the project or the time and budgetary constraints imposed by the client. The work described in this report was carried out in accordance with the contract Terms and Conditions.

2. In preparing the report O'Reilly, Talbot, Okun & Associates, Inc. relied on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state or local regulatory agencies at the time of the file review. Although there may have been some degree of overlap in the information provided by these sources, O'Reilly, Talbot, Okun & Associates, Inc. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during this assessment.

3. Observations were made of the site and of the structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, we render no opinion as to the presence of asbestos containing materials, lead based paint, or hazardous, or to the presence of indirect information relating to asbestos containing, lead based paint, or hazardous materials in that portion of the site. In addition, we render no opinion as to the presence of asbestos containing, lead based paint, or hazardous materials, where direct observations of portions of the site were obstructed by objects or coverings on or over these surfaces.

4. Unless otherwise specified in the Report, we did not perform testing or analyses to determine the presence or concentration of additional potential hazardous materials, oil, or polychlorinated biphenyls (PCBs) at the site or in the environment at the site.

5. Our report was prepared for the exclusive benefit of our client. Reliance upon the report and its conclusions is not made to third parties or future property owners.

TABLES

TABLE 1
Wildwood Elementary School
ACM, PACM, Hazardous Materials Estimations

MATERIAL	LOCATION	APPROXIMATE QUANTITY	UNIT COST	ABATEMENT BUDGET ESTIMATE
ACM				
Resilient Flooring & Mastic	ELL Room	250 sq. ft.	$6.00	$1,500.00
Gym Floor Damp Proofing	Gymnasium	3,800 sq. ft.	$6.00	$22,800.00
Exterior and Interior Glazing/Caulking on Windows, Doors, and Expansion Joints	Throughout			$100,000.00
Sink Undercoating	Throughout	36 units	$200.00	$7,200.00
Accoustical Ceiling Tiles (Suspended)	Throughout	56,000 sq. ft.	$8.00	$448,000.00
Brown Glue Fiberglass Pin Adhesive	Ductwork, Gym Ceiling	1,230 sq. ft.	$10.00	$12,300.00
Thermal Systems Insulation Boiler Breech	Boiler Room	100 sq. ft.	$20.00	$2,000.00
Thermal Systems Insulation Pipe Fittings	Throughout	1,306 ln. ft.	$20.00	$26,120.00
PACM				
Resilient Flooring & Mastic	Throughout	40000 sq. ft.	$6.00	$240,000.00
Ceramic Tile Floor (Skim and Grout)	Select Rooms	2,800 sq. ft.	$8.00	$22,400.00
Blackboard, Whiteboard, Bulletin Board, and Mirror Adhesive	Throughout	3,300 sq. ft.	$8.00	$26,400.00
Gymnasium Upper Wall Divider Board	Gymnasium	510 sq. ft.	$20.00	$10,200.00
Unit Ventilator Backing Insulation Board	Throughout	30 units	$12.00	$360.00
Interior Doors (Fireproof Core Materials)	Throughout	100 units	$6.00	$600.00
Boiler Units (Internal Compoents)	Boiler Room	2 units	$4,000.00	$8,000.00
Perimeter Foundation Damp Proofing	Perimeter Foundation	3,000 sq. ft.	$6.00	$18,000.00
Perimeter Wall Damp Proofing, Vapor Barrier, or Bonding Adhesive	Perimeter Walls	6,000 sq. ft.	$6.00	$36,000.00
Roofing Materials	Roof	82,000 sq. ft.	$6.00	$492,000.00
Subsurface Cementitious Utility Conduit	Exterior Subsurface	1,500 ln. ft.	$6.00	$9,000.00
			ASBESTOS ABATEMENT SUBTOTAL	$1,482,880.00
Hazardous Materials				
Florescent Lighting Fixtures and Bulbs	Throughout			$3,500.00
Emergency Lighting, Exit Signs	Throughout			$1,000.00
Refrigerants (Chlorofluorocarbons)	Cooling System, Walk in Refrigerator (Kitchen)			$2,500.00
Deisel Generator, Deisel Fuel AST	Boiler Room			$2,000.00
Additional Universal Waste	Throughout			$1,500.00
			HAZARDOUS MATERIALS ABATEMENT SUBTOTAL	$10,500.00
			COMBINED TOTAL	$1,493,380.00
			10% CONTINGENCY	$149,338.00
			15% ABATEMENT PROJECT MONITORING	$224,007.00
			OVERALL TOTAL	$1,866,725.00

NOTES:

1. These estimates are to be considered both preliminary, and conservative in nature. Estimations will require updating if and when further assessment and bulk sample collection occur.

2. Unit Pricing and total fees used to calculate the estimated abatement cost is based on previous personal experience and discussions with area abatement contractors. The Means Construction reference manuals were also used to estimate the abatement unit costs of this project. It is also recommended that an additional 10% of the total asbestos abatement project be budgeted for asbestos industrial hygiene clearance monitoring expenses.

3. These estimates do not include excavation costs which would be necessary to expose sub-grade foundation or utility lines.

TABLE 2
Fort River Elementary School
ACM, PACM, Hazardous Materials Estimations

MATERIAL	LOCATION	APPROXIMATE QUANTITY		UNIT COST	ABATEMENT BUDGET ESTIMATE
ACM					
Resilient Flooring & Mastic	Coach's Offices A & B	140	sq. ft.	$5.00	$700.00
Ceramic Tile Floor (Skim and Grout)	Select Rooms	2,800	sq. ft.	$8.00	$22,400.00
Sink Undercoating	Throughout	36	units	$200.00	$7,200.00
Blackboard, Whiteboard, Bulletin Board, and Mirror Adhesive	Throughout	3,300	sq. ft.	$8.00	$26,400.00
Sheet Metal Ductwork, Fabric Cloth Connectors	Gymnasium Storage, Ceiling	10	units	$250.00	$2,500.00
PACM					
Resilient Flooring & Mastic	Throughout	40,000	sq. ft.	$5.00	$200,000.00
Gym Floor Damp Proofing	Gymnasium	3,800	sq. ft.	$6.00	$22,800.00
Exterior and Interior Glazing/Caulking on Windows, Doors, and Expansion Joints	Throughout				$100,000.00
Thermal Systems Insulation Pipe Fittings	Throughout	1,306	ln. ft.	$20.00	$26,120.00
Boiler Units (Internal Compoents)	Boiler Room	2	units	$4,000.00	$8,000.00
Gymnasium Upper Wall Divider Board	Gymnasium	510	sq. ft.	$20.00	$10,200.00
Unit Ventilator Backing Insulation Board	Throughout	30	units	$12.00	$360.00
Interior Doors (Fireproof Core Materials)	Throughout	100	units	$6.00	$600.00
Perimeter Foundation Damp Proofing	Perimeter Foundation	3,000	sq. ft.	$6.00	$18,000.00
Perimeter Wall Damp Proofing, Vapor Barrier, or Bonding Adhesive	Perimeter Walls	6,000	sq. ft.	$6.00	$36,000.00
Roofing Materials	Roof	108,000	sq. ft.	$6.00	$648,000.00
Subsurface Cementitious Utility Conduit	Exterior Subsurface	1,500	ln. ft.	$6.00	$9,000.00
				ASBESTOS ABATEMENT SUBTOTAL	$1,138,280.00
Hazardous Materials					
Florescent Lighting Fixtures and Bulbs	Throughout				$3,500.00
Emergency Lighting, Exit Signs	Throughout				$1,000.00
Refrigerants (Chlorofluorocarbons)	Cooling System, Walk in Refrigerator (Kitchen)				$2,500.00
Deisel Generator, Deisel Fuel AST	Boiler Room				$2,000.00
Additional Universal Waste	Throughout				$1,500.00
				HAZARDOUS MATERIALS ABATEMENT SUBTOTAL	$10,500.00
				COMBINED TOTAL	$1,148,780.00
				10% CONTINGENCY	$114,878.00
				15% ABATEMENT PROJECT MONITORING	$172,317.00
				OVERALL TOTAL	$1,435,975.00

NOTES:

1. These estimates are to be considered both preliminary, and conservative in nature. Estimations will require updating if and when further assessment and bulk sample collection occur.

2. Unit Pricing and total fees used to calculate the estimated abatement cost is based on previous personal experience and discussions with area abatement contractors. The Means Construction reference manuals were also used to estimate the abatement unit costs of this project. It is also recommended that an additional 10% of the total asbestos abatement project be budgeted for asbestos industrial hygiene clearance monitoring expenses.

3. These estimates do not include excavation costs which would be necessary to expose sub-grade foundation or utility lines.

FINAL REPORT
FOR
HAZARDOUS MATERIALS IDENTIFICATION
STUDY
AT THE
WILDWOOD ELEMENTARY SCHOOL
AMHERST, MASSACHUSETTS

PROJECT NO: 215 348.00

Survey Dates:
September 28 & 30, 2015

CONDUCTED BY:

UNIVERSAL ENVIRONMENTAL CONSULTANTS
12 Brewster Road
Framingham, MA 01702

UEC universal environmental consultants

October 6, 2015

Mr. Douglas Roberts, Principal
JCJ Architecture
38 Prospect Street
Hartford, CT 06103

Reference: Report for Hazardous Materials Identification Study
Wildwood Elementary School, Amherst, MA

Dear Mr. Roberts:

Thank you for the opportunity for Universal Environmental Consultants (UEC) to provide professional services.

Enclosed please find the report for the hazardous materials identification study at the Wildwood Elementary School, Amherst, MA.

Phase I Environmental Site Assessment Report will be submitted under a separate cover.

Please do not hesitate to call should you have any questions.

Very truly yours,

Universal Environmental Consultants

_____
Ammar M. Dieb
President

UEC:\215 348\Report.DOC

Enclosure

1.0 INTRODUCTION:

Universal Environmental Consultants (UEC) has been providing comprehensive asbestos services since 2001 and has completed projects throughout New England. We have completed projects for a variety of clients including commercial, industrial, municipal, and public and private schools. We maintain appropriate asbestos licenses and staff with a minimum of fifteen years of experience.

UEC was contracted by JCJ Architecture to conduct the following services at the Wildwood Elementary School, Amherst, Massachusetts:

- Asbestos Containing Materials (ACM) determination inspection and sampling;
- Polychlorinated Biphenyls (PCB's)-Electrical Equipment and Light Fixtures inspection;
- PCB's Caulking Inspection;
- Lead Based Paint (LBP) inspection;
- Mercury in Rubber Flooring inspection and sampling;
- Airborne Mold inspection and sampling;
- Radon sampling;

The scope of work included the inspection of accessible ACM, collection of bulk samples from materials suspected to contain asbestos, determination and quantities of types of ACM found and cost estimates for remediation. A comprehensive survey per the Environmental Protection Agency (EPA) NESHAP regulation would be required prior to any renovation or demolition activities.

Bulk samples analyses for asbestos were performed using the standard Polarized Light Microscopy (PLM) Method in accordance with EPA standard. Bulk samples were collected by a Massachusetts licensed asbestos inspector Mr. Jason Becotte (AI-034963) and analyzed by a Massachusetts licensed laboratory Asbestos Identification Laboratory, Woburn, MA.

Airborne mold samples were analyzed by an EPA approved laboratory EMSL, Woburn, MA.

Radon samples were analyzed by an EPA licensed laboratory AccuStar, Medway, MA.

Samples results are attached.

2.0 FINDINGS:

Asbestos Containing Materials (ACM):

The regulations for asbestos inspection are based on representative sampling. It would be impractical and costly to sample all materials in all areas. Therefore, representative samples of each homogenous area were collected and analyzed or assumed.

All suspect materials were grouped into homogenous areas. By definition a homogenous area is one in which the materials are evenly mixed and similar in appearance and texture throughout. A homogeneous area shall be determined to contain asbestos based on findings that the results of at least one sample collected from that area shows that asbestos is present in an amount greater than 1 percent in accordance with EPA regulations. Per the Department of Environmental Protection (DEP) any amount of asbestos found must be disposed as asbestos. No additional suspect and accessible ACM were found during this survey. However, hidden ACM may be found during the renovation and demolition activities.

Number of Samples Collected:

Seventy seven (77) bulk samples were collected from materials suspected of containing asbestos, including:

Type and Location of Suspect Material

1. 2’ x 4’ Suspended acoustical tile at kitchen
2. 2’ x 4’ Suspended acoustical tile at kitchen
3. 2’ x 4’ Suspended acoustical tile at room F-3
4. 2’ x 4’ Suspended acoustical tile at room D-3
5. Smooth ceiling plaster at hallway
6. Smooth ceiling plaster at men’s room
7. Smooth ceiling plaster at men’s room
8. Textured ceiling plaster at boiler room
9. Textured ceiling plaster at boiler room
10. Textured ceiling plaster at boiler room
11. Textured ceiling plaster at gymnasium mechanical room
12. Textured ceiling plaster at gymnasium mechanical room
13. Brown cove base glue at gymnasium
14. Brown cove base glue at gymnasium
15. Tar paper under hardwood at gymnasium
16. Tar paper under hardwood at gymnasium
17. Black damproofing under gymnasium floor
18. Black damproofing under gymnasium floor
19. Grey sink coating at office
20. Grey sink coating at room B
21. Vertical caulking between block/block at hallway
22. Vertical caulking between block/block at hallway
23. Interior window glazing caulking at hallway by room A
24. Interior window glazing caulking at office
25. Interior door glass glazing caulking at room D-3
26. Interior door glass glazing caulking at room H-3
27. Cardboard packing on vertical column behind block
28. Cardboard packing on vertical column behind block
29. Brown glue for fiberglass duct insulation at gymnasium mechanical room
30. Brown glue for fiberglass duct insulation at gymnasium mechanical room
31. 12” x 12” Old green vinyl floor tile at ELL room
32. 12” x 12” Old green vinyl floor tile at art room
33. Black mastic on old green 12” x 12” vinyl floor tile at ELL room
34. Black mastic on old green 12” x 12” vinyl floor tile at art room
35. 12” x 12” Beige vinyl floor tile at music room
36. 12” x 12” Beige vinyl floor tile at music room
37. 12” x 12” Dark blue vinyl floor tile at room H-1
38. 12” x 12” Dark blue vinyl floor tile at room H-1
39. 12” x 12” Light blue vinyl floor tile at computer lab
40. 12” x 12” Light blue vinyl floor tile at computer lab
41. 12” x 12” Grey vinyl floor tile at library office
42. 12” x 12” Grey vinyl floor tile at room B
43. 12” x 12” Purple vinyl floor tile at nurse’s room
44. 12” x 12” Purple vinyl floor tile at nurse’s room
45. 12” x 12” White vinyl floor tile at cafeteria
46. 12” x 12” White vinyl floor tile at hallway
47. 12” x 12” Blue accent vinyl floor tile at cafeteria
48. 12” x 12” Blue accent vinyl floor tile at hallway
49. 12” x 12” Yellow accent vinyl floor tile at cafeteria
50. 12” x 12” Yellow accent vinyl floor tile at hallway
51. 12” x 12” Red accent vinyl floor tile at cafeteria
52. 12” x 12” Red accent vinyl floor tile at hallway
53. 12” x 12” Green accent vinyl floor tile at cafeteria

54. 12” x 12” Green accent vinyl floor tile at hallway
55. Boiler rib packing at boiler room
56. Boiler rib packing at boiler room
57. Boiler rib packing at boiler room
58. Hard joint insulation on fiberglass pipe at boiler room
59. Hard joint insulation on fiberglass pipe at boiler room
60. Hard joint insulation on fiberglass pipe at boiler room
61. Boiler exhaust insulation at boiler room
62. Boiler exhaust insulation at boiler room
63. Boiler exhaust insulation at boiler room
64. Exterior vertical caulking
65. Exterior vertical caulking
66. Exterior unit vent caulking
67. Exterior unit vent caulking
68. Exterior door framing caulking
69. Exterior door framing caulking
70. Interior glazing caulking for exterior windows
71. Interior glazing caulking for exterior windows
72. Exterior window glazing caulking
73. Exterior window glazing caulking
74. Exterior window framing caulking
75. Exterior window framing caulking
76. Exterior window framing caulking
77. Exterior window framing caulking

Sample Results:

Type and Location of Suspect Material	**Sample Result**
1. 2’ x 4’ Suspended acoustical tile at kitchen	2% Asbestos
2. 2’ x 4’ Suspended acoustical tile at kitchen	2% Asbestos
3. 2’ x 4’ Suspended acoustical tile at room F-3	No Asbestos Detected
4. 2’ x 4’ Suspended acoustical tile at room D-3	No Asbestos Detected
5. Smooth ceiling plaster at hallway	No Asbestos Detected
6. Smooth ceiling plaster at men’s room	No Asbestos Detected
7. Smooth ceiling plaster at men’s room	No Asbestos Detected
8. Textured ceiling plaster at boiler room	No Asbestos Detected
9. Textured ceiling plaster at boiler room	No Asbestos Detected
10. Textured ceiling plaster at boiler room	No Asbestos Detected
11. Textured ceiling plaster at gymnasium mechanical room	No Asbestos Detected
12. Textured ceiling plaster at gymnasium mechanical room	No Asbestos Detected
13. Brown cove base glue at gymnasium	No Asbestos Detected
14. Brown cove base glue at gymnasium	No Asbestos Detected
15. Tan paper under hardwood at gymnasium	No Asbestos Detected
16. Tan paper under hardwood at gymnasium	No Asbestos Detected
17. Black damproofing under gymnasium floor	5% Asbestos
18. Black damproofing under gymnasium floor	5% Asbestos
19. Grey sink coating at office	5% Asbestos
20. Grey sink coating at room B	3% Asbestos
21. Vertical caulking block-block at hallway	No Asbestos Detected
22. Vertical caulking block-block at hallway	No Asbestos Detected
23. Interior window glazing caulking at hallway by room A	2% Asbestos
24. Interior window glazing caulking at office	2% Asbestos
25. Interior door glass glazing caulking at room D-3	2% Asbestos
26. Interior door glass glazing caulking at room H-3	2% Asbestos

27. Cardboard packing on vertical column behind block	No Asbestos Detected
28. Cardboard packing on vertical column behind block	No Asbestos Detected
29. Brown glue for fiberglass duct insulation at gymnasium mechanical room	20% Asbestos
30. Brown glue for fiberglass duct insulation at gymnasium mechanical room	20% Asbestos
31. 12" x 12" Old green vinyl floor tile at ELL room	2% Asbestos
32. 12" x 12" Old green vinyl floor tile at art room	2% Asbestos
33. Black mastic on old green 12" x 12" vinyl floor tile at ELL room	5% Asbestos
34. Black mastic on old green 12" x 12" vinyl floor tile at art room	5% Asbestos
35. 12" x 12" Beige vinyl floor tile at music room	No Asbestos Detected
36. 12" x 12" Beige vinyl floor tile at music room	No Asbestos Detected
37. 12" x 12" Dark blue vinyl floor tile at room H-1	No Asbestos Detected
38. 12" x 12" Dark blue vinyl floor tile at room H-1	No Asbestos Detected
39. 12" x 12" Light blue vinyl floor tile at computer lab	No Asbestos Detected
40. 12" x 12" Light blue vinyl floor tile at computer lab	No Asbestos Detected
41. 12" x 12" Grey vinyl floor tile at library office	No Asbestos Detected
42. 12" x 12" Grey vinyl floor tile at room B	No Asbestos Detected
43. 12" x 12" Purple vinyl floor tile at nurse's room	No Asbestos Detected
44. 12" x 12" Purple vinyl floor tile at nurse's room	No Asbestos Detected
45. 12" x 12" White vinyl floor tile at cafeteria	No Asbestos Detected
46. 12" x 12" White vinyl floor tile at hallway	No Asbestos Detected
47. 12" x 12" Blue accent vinyl floor tile at cafeteria	No Asbestos Detected
48. 12" x 12" Blue accent vinyl floor tile at hallway	No Asbestos Detected
49. 12" x 12" Yellow accent vinyl floor tile at cafeteria	No Asbestos Detected
50. 12" x 12" Yellow accent vinyl floor tile at hallway	No Asbestos Detected
51. 12" x 12" Red accent vinyl floor tile at cafeteria	No Asbestos Detected
52. 12" x 12" Red accent vinyl floor tile at hallway	No Asbestos Detected
53. 12" x 12" Green accent vinyl floor tile at cafeteria	No Asbestos Detected
54. 12" x 12" Green accent vinyl floor tile at hallway	No Asbestos Detected
55. Boiler rib packing at boiler room	No Asbestos Detected
56. Boiler rib packing at boiler room	No Asbestos Detected
57. Boiler rib packing at boiler room	15% Asbestos
58. Hard joint insulation on fiberglass pipe at boiler room	3% Asbestos
59. Hard joint insulation on fiberglass pipe at boiler room	5% Asbestos
60. Hard joint insulation on fiberglass pipe at boiler room	No Asbestos Detected
61. Boiler exhaust insulation at boiler room	70% Asbestos
62. Boiler exhaust insulation at boiler room	70% Asbestos
63. Boiler exhaust insulation at boiler room	70% Asbestos
64. Exterior vertical caulking	No Asbestos Detected
65. Exterior vertical caulking	No Asbestos Detected
66. Exterior unit vent caulking	No Asbestos Detected
67. Exterior unit vent caulking	No Asbestos Detected
68. Exterior door framing caulking	No Asbestos Detected
69. Exterior door framing caulking	No Asbestos Detected
70. Interior window glazing caulking for exterior windows	10% Asbestos
71. Interior window glazing caulking for exterior windows	10% Asbestos
72. Exterior window glazing caulking	2% Asbestos
73. Exterior window glazing caulking	2% Asbestos
74. Exterior window framing caulking	No Asbestos Detected
75. Exterior window framing caulking	No Asbestos Detected
76. Exterior window framing caulking	No Asbestos Detected
77. Exterior window framing caulking	No Asbestos Detected

Observations and Conclusions:

The condition of ACM is very important. ACM in good condition does not present a health issue unless it is disturbed. Therefore, it is not necessary to remediate ACM in good condition unless it will be disturbed through renovation, demolition or other activity.

Refer to the AHERA Management Plan for condition of ACM.

1. 2' x 4' Suspended acoustical tiles was found to contain asbestos.
2. Black damproofing under gymnasium floor was found to contain asbestos.
3. Grey sink coating was found to contain asbestos.
4. Interior window glazing caulking was found to contain asbestos.
5. Interior door glass glazing was found to contain asbestos.
6. Brown glue for fiberglass duct insulation at gymnasium mechanical room was found to contain asbestos.
7. 12" x 12" Old green vinyl floor tile and mastic was found to contain asbestos.
8. Boiler rib packing at boiler room was found to contain asbestos.
9. Hard joint insulation was found to contain asbestos.
10. Boiler exhaust insulation at boiler room was found to contain asbestos.
11. Exterior window glazing caulking at inside and outside of exterior windows was found to contain asbestos.
12. Glue holding blackboard was assumed to contain asbestos.
13. Panels at ceiling of gymnasium divider wall were assumed to be asbestos (transite).
14. Underground sewer pipes were assumed to contain asbestos.
15. Damproofing on exterior and foundation walls at the original building was assumed to contain asbestos. The demolition contractor will have to segregate the ACM from non-ACM building surfaces for proper disposal in an EPA approved landfill that does not recycle. A non-traditional abatement plan would have to be prepared and submitted to the DEP for approval.
16. Thru-wall flashing was assumed to contain asbestos. The demolition contractor will have to segregate the ACM from non-ACM building surfaces for proper disposal in an EPA approved landfill that does not recycle. A non-traditional abatement plan would have to be prepared and submitted to the DEP for approval.
17. Roofing was assumed to contain asbestos. However, roofing does not have to be removed by a licensed asbestos abatement contractor. Roofing material does not have to be removed by a licensed asbestos contractor. However, the General Contractor must comply with OSHA regulation during demolition and with state regulations for proper disposal. A non-traditional abatement plan would have to be prepared and submitted to the DEP for approval.
18. All other suspect materials were found not to contain asbestos. Hidden ACM may be found during renovation and demolition activities.

Polychlorinated Biphenyls (PCB's)-Electrical Equipment and Light Fixtures:
Observations and Conclusions
Visual inspection of various equipments such as light fixtures, thermostats, exit signs and switches was performed for the presence of PCB's and mercury. Ballasts in light fixtures were assumed not to contain PCB's since there were labels indicating that "No PCB's" was found. Tubes in light fixtures, thermostats, signs and switches were assumed to contain mercury. It would be very costly to test those equipments and dismantling would be required to access. Therefore, the above mentioned equipments should be disposed in an EPA approved landfill as part of the demolition project.

PCB's in Caulking:
PCB's are manmade chemicals that were widely produced and distributed across the country from the 1950s to 1977 until the production of PCB's was banned by the US Environmental Protection Agency (EPA) law which became effective in 1978. PCB's are a class of chemicals made up of more than 200 different compounds. PCB's are non-flammable, stable, and good insulators so they were widely used in a variety of products including: electrical transformers and capacitors, cable and wire coverings, sealants and caulking, and household products such as television sets and fluorescent light fixtures. Because of their chemical properties, PCB's are not very soluble in water and they do not break down easily in the environment. PCB's also do not readily evaporate into air but tend to remain as solids or thick liquids. Even though PCB's have not been produced or used in the country for more than 30 years, they are still present in the environment in the air, soil, and water and in our food. EPA requires that all construction waste including caulking be disposed as PCB's if PCB's level exceed 50 mg/kg (ppm). An abatement plan might also be required.

Observations and Conclusions:
Building materials and caulking were assumed to contain PCB's.

Lead Based Paint (LBP):
Observations and Conclusions
LBP was assumed to exit on painted surfaces. A school is not considered a regulated facility. All LBP activities performed, including waste disposal, should be in accordance with applicable Federal, State, or local laws, ordinances, codes or regulations governing evaluation and hazard reduction. In the event of discrepancies, the most protective requirements prevail. These requirements can be found in OSHA 29 CFR 1926-Construction Industry Standards, 29 CFR 1926.62-Construction Industry Lead Standards, 29 CFR 1910.1200-Hazards Communication, 40 CFR 261-EPA Regulations. According to OSHA, any amount of LBP triggers compliance.

Mercury in Rubber Flooring:
Observations and Conclusions:
No rubber flooring was found in the school.

Airborne Mold:

Airborne mold testing was performed utilizing Zefon International Incorporated's Air-O-Cell® sampling device following all manufacturer supplied recommended sampling procedures.

Air-O-Cell® is a direct read total particulate air sampling device. It works using the inertial impaction principle similar to other spore trap devices. It is designed for the rapid collection and analysis of airborne particulate including bioaerosols. The particulate includes fibers (e.g. asbestos, fiberglass, cellulose, clothing fibers) opaque particles (e.g. fly ash, combustion particles, copy toner, oil droplets, paint), and bioaerosols (e.g. mold spores, pollen, insect parts, skin cell fragments).[1]

The method involves drawing a known quantity of air through a sterile sampling cassette. Subsequent to sampling, the cassette is sealed and transferred to a microbiology laboratory under chain of custody protocol for microscopic analysis. This method counts both viable and nonviable mold spores.

AIRBORNE MOLD and PARTICULATE

Lab ID #	Location	Total Mold Counts/M^3	Pollen	Insect Fragment	Hyphal Fragments
131505776-0001	Room H-1	4,830	ND	ND	20
131505776-0002	Room F-1	5,134	ND	ND	20
131505776-0003	Main Office	2,150	ND	ND	7
131505776-0004	Room D-3	3,407	ND	ND	7
131505776-0005	Staff Workroom	2,000	ND	ND	20
131505776-0006	Outside	11,704	10	ND	7

AIRBORNE MOLD and PARTICULATE
(Subjective Scales)

Lab ID #	Location	Skin Fragment Density (SFD)	Fibrous Particulates (FP)	Total Background Particulate (TBP)
131505776-0001	Room H-1	2	1	1

[1] Zefon International Inc. <www.zefon.com>

Lab ID #	Location	Skin Fragment Density (SFD)	Fibrous Particulates (FP)	Total Background Particulate (TBP)
131505776-0002	Room F-1	1	1	1
131505776-0003	Main Office	2	1	1
131505776-0004	Room D-3	2	1	1
131505776-0005	Staff Workroom	2	1	1
131505776-0006	Outside	1	1	1

Legend:
ND - Not Detected

Observations:

There are currently no guidelines or standards promulgated by a government agency or widely recognized scientific organizations for the interpretation of airborne mold spore levels. The most commonly employed tool used to assess if mold growth is occurring and there is amplification in a structure is to evaluate the indoor levels and species as well as to compare levels and species of mold outdoors to indoors. Typically, if there were more molds indoors, and/or if species were present indoors which were not present outdoors, then growth and amplification is likely occurring and further evaluation and perhaps remediation is recommended.

The indoor airborne mold spore concentrations were lower than the outside sample. Based on comparisons with historical data from projects of similar type, building utilization, geographic location and season, the indoor airborne levels are considered low. Indoor mold spore counts in early fall summer are typically in the 5,000-10,000-spores/cubic meter range.

Breathing zone indoor and also outdoor samples indicated the presence of large quantities of several common types of mold which are not considered to be hazardous.

Pollen, insect fragments and Hyphal fragments were either not present or low in the samples. Hyphal fragment is a non-reproductive part of the mold.

Total background particulate on all samples was assessed as “1-2” on a scale of 1-5 where 1 is low and 5 is high. Skin fragment density on all samples was assessed as “1” on a scale of 1-4 where 1 is low and 4 is high. The total background levels are measured to determine airborne dust not related to airborne mold. Skin fragments are measured to determine proper housing cleaning.

Radon:

Number of Samples Collected

Six (6) air samples were collected at the following locations:

Sample Number and Location of Material

1. First floor boiler room
2. First floor custodian room H-1
3. First floor custodian room C-1
4. First floor custodian room D-3
5. First floor gymnasium storage hallway
6. First floor custodian room G-3

Sample Number and Location of Material	Sample Result
1. First floor boiler room	<0.4 pCi/L
2. First floor custodian room H-1	0.4 pCi/L
3. First floor custodian room C-1	0.4 pCi/L
4. First floor custodian room D-3	0.5 pCi/L
5. First floor gymnasium storage hallway	0.4 pCi/L
6. First floor custodian room G-3	0.5 pCi/L

Observations and Conclusions:
The measured radon concentrations of the samples were found to be lower than the EPA guideline of 4 picoCuris of radon per liter of air (pCi/L). No further action is required.

3.0 COST ESTIMATES:

The cost includes removal and disposal of all accessible ACM, other hazardous material and an allowance for removal of inaccessible or hidden ACM that may be found during renovation or demolition projects.

Location	Material	Approximate Quantity	Cost Estimate ($)
Throughout the Building	2' x 4' Suspended Acoustical Ceiling Tiles	56,000 SF	224,000.00
	Grey Sink Coating	35 Total	3,500.00
	Interior Windows	30 Total	6,000.00
	Interior Door	40 Total	6,000.00
	Hard Joint Insulation	80 Total	2,400.00
	Blackboards	60 Total	12,000.00
	Miscellaneous Hazardous Materials and Hidden ACM	Unknown	50,000.00
Two Rooms	Old Green 12" x 12" Vinyl floor tiles and mastic	2,000 SF	10,000.00
Gymnasium	Paper under Hardwood Flooring	3,800 SF	38,000.00
	Brown Glue on Fiberglass Insulated Duct	3,000 SF	15,000.00
Boiler	Boilers	2 Total	12,500.00
	Boiler Exhaust Insulation	100 SF	2,500.00
	Hard Joint insulation	100 EA	2,000.00
Exterior	Roofing Materials	Unknown	35,000.00
	Windows	150 Total	30,000.00
	Doors	30 Total	4,500.00
	Unit Vents	30 Total	3,000.00
	Transite Sewer Pipes	Unknown[1]	50,000.00
	Thru-Wall Flashing	Unknown[1]	25,000.00
	Damproofing on Foundation Walls	Unknown[1]	175,000.00
PCB's Remediation[2]			80,000.00
Estimated costs for PCB's Testing and Abatement Plans Services[2]			25,000.00
Estimated costs for NESHAP Inspection and Testing Services			7,500.00
Estimated costs for Design, Construction Monitoring and Air Sampling Services			81,500.00
		TOTAL:	**$ 900,000.00**

[1]: Part of total demolition.
[2]: Should results exceed EPA limit.

4.0 DESCRIPTION OF SURVEY METHODS AND LABORATORY ANALYSES:

Asbestos:
Asbestos samples were collected using a method that prevents fiber release. Homogeneous sample areas were determined by criteria outlined in EPA document 560/5-85-030a. Bulk material samples were analyzed using PLM and dispersion staining techniques with EPA method 600/M4-82-020.

Airborne Mold:
The samples were analyzed by an EPA approved laboratory EMSL, Woburn, MA.

Radon:
Radon samples were analyzed by an EPA licensed laboratory AccuStar, Medway, MA.

Inspected By:

Jason Becotte
Asbestos Inspector (AI-034963)

5.0 LIMITATIONS AND CONDITIONS:

This report has been completed based on visual and physical observations made and information available at the time of the site visits, as well as an interview with the Owner's representatives. This report is intended to be used as a summary of available information on existing conditions with conclusions based on a reasonable and knowledgeable review of evidence found in accordance with normally accepted industry standards, state and federal protocols, and within the scope and budget established by the client. Any additional data obtained by further review must be reviewed by UEC and the conclusions presented herein may be modified accordingly.

This report and attachments, prepared for the exclusive use of Owner for use in an environmental evaluation of the subject site, are an integral part of the inspections and opinions should not be formulated without reading the report in its entirety. No part of this report may be altered, used, copied or relied upon without prior written permission from UEC, except that this report may be conveyed in its entirety to parties associated with Owner for this subject study.

Asbestos Identification Laboratory

165 New Boston St., Ste 271
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com
Email: mikemanning@asbestosidentificationlab.com

Batch: 8921

NVLAP®
Lab Code: 200919-0

October 05, 2015

Ammar Dieb
Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702

Project Number:
Project Name: Wildwood School, Amherst, MA

Date Sampled: 2015-09-30
Work Received: 2015-10-01

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

Dear Ammar Dieb,

Asbestos Identification Laboratory has completed the analysys of the samples from your office for the above referenced project .

The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations Department of Health Certification: AAL-121

Thank you Ammar Dieb for your business.

Michael Manning
Owner/Director

October 05, 2015

Ammar Dieb
Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702

Project Number:
Project Name: Wildwood School, Amherst, MA

Date Sampled: 2015-09-30
Work Received: 2015-10-01

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1 / 95155	2x4 SAT Holes	Kitchen	gray	Mineral Wool 90 Non-Fibrous 8	**Detected** **Chrysotile 2**
2 / 95156	2x4 SAT Holes	Kitchen	gray	Mineral Wool 90 Non-Fibrous 8	**Detected** **Chrysotile 2**
3 / 95157	2x4 SAT Holes	Room F-3	gray	Mineral Wool 95 Non-Fibrous 5	None Detected
4 / 95158	2x4 SAT Holes	Room D-3	gray	Mineral Wool 95 Non-Fibrous 5	None Detected
5 / 95159	Smooth Ceiling Plaster	Hall	white	Non-Fibrous 100	None Detected
6 / 95160	Smooth Ceiling Plaster	Men's Room	white	Non-Fibrous 100	None Detected
7 / 95161	Smooth Ceiling Plaster	Men's Room	white	Non-Fibrous 100	None Detected
8 / 95162	Textured Ceiling Plaster	Boiler Room	gray	Non-Fibrous 100	None Detected
9 / 95163	Textured Ceiling Plaster	Boiler Room	white	Non-Fibrous 100	None Detected
10 / 95164	Textured Ceiling Plaster	Boiler Room	white	Non-Fibrous 100	None Detected
11 / 95165	Textured Ceiling Plaster	Gym Mechanical Room	white	Non-Fibrous 100	None Detected
12 / 95166	Textured Ceiling Plaster	Gym Mechanical Room	gray	Non-Fibrous 100	None Detected
13 / 95167	Brown Cove Base Glue	Gym	brown	Non-Fibrous 100	None Detected
14 / 95168	Brown Cove Base Glue	Gym	brown	Non-Fibrous 100	None Detected

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
15 95169	Tan Paper Under H/W	Gym	tan	Cellulose 98 Non-Fibrous 2	None Detected
16 95170	Tan Paper Under H/W	Gym	tan	Cellulose 98 Non-Fibrous 2	None Detected
17 95171	Black DP Under Gym Floor	Gym	black	Non-Fibrous 95	**Detected** **Chrysotile 5**
18 95172	Black DP Under Gym Floor	Gym	black	Non-Fibrous 95	**Detected** **Chrysotile 5**
19 95173	Grey Sink Coating	Office	gray	Non-Fibrous 95	**Detected** **Chrysotile 5**
20 95174	Grey Sink Coating	Room B	gray	Non-Fibrous 97	**Detected** **Chrysotile 3**
21 95175	Vertical Caulk Block-Block	Hallway	gray	Non-Fibrous 100	None Detected
22 95176	Vertical Caulk Block-Block	Hallway	gray	Non-Fibrous 100	None Detected
23 95177	Interior Window Glaze	Hallway by Room A	gray	Non-Fibrous 98	**Detected** **Chrysotile 2**
24 95178	Interior Window Glaze	Office	gray	Non-Fibrous 98	**Detected** **Chrysotile 2**
25 95179	Interior Door Glass Glaze	Room D-3	tan	Non-Fibrous 98	**Detected** **Chrysotile 2**
26 95180	Interior Door Glass Glaze	Room H-3	tan	Non-Fibrous 98	**Detected** **Chrysotile 2**
27 95181	Cardboard Packing	On Vertical Column Behind Block	black	Cellulose 95 Non-Fibrous 5	None Detected
28 95182	Cardboard Packing	On Vertical Column Behind Block	black	Cellulose 95 Non-Fibrous 5	None Detected
29 95183	Brown Glue for FG Duct Ins	Gym Mechanical Room	brown	Non-Fibrous 80	**Detected** **Chrysotile 20**
30 95184	Brown Glue for FG Duct Ins	Gym Mechanical Room	brown	Non-Fibrous 80	**Detected** **Chrysotile 20**
31 95185	Old Green 12x12 VFT	ELL	green	Non-Fibrous 98	**Detected** **Chrysotile 2**
32 95186	Old Green 12x12 VFT	Art	green	Non-Fibrous 98	**Detected** **Chrysotile 2**

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
33 / 95187	Black Mastic	On Sample 31	black	Non-Fibrous 95	Detected Chrysotile 5
34 / 95188	Black Mastic	On Sample 32	black	Non-Fibrous 95	Detected Chrysotile 5
35 / 95189	Beige 12x12 VFT	Music Room	tan	Non-Fibrous 100	None Detected
36 / 95190	Beige 12x12 VFT	Music Room	tan	Non-Fibrous 100	None Detected
37 / 95191	Dark Blue 12x12 VFT	Room H-1	blue	Non-Fibrous 100	None Detected
38 / 95192	Dark Blue 12x12 VFT	Room H-1	blue	Non-Fibrous 100	None Detected
39 / 95193	Light Blue 12x12 VFT	Computer Lab	gray	Non-Fibrous 100	None Detected
40 / 95194	Light Blue 12x12 VFT	Computer Lab	gray	Non-Fibrous 100	None Detected
41 / 95195	Grey 12x12 VFT	Library Office	gray	Non-Fibrous 100	None Detected
42 / 95196	Grey 12x12 VFT	Room B	gray	Non-Fibrous 100	None Detected
43 / 95197	Purple 12x12 VFT	Nurse	purple	Non-Fibrous 100	None Detected
44 / 95198	Purple 12x12 VFT	Nurse	purple	Non-Fibrous 100	None Detected
45 / 95199	White 12x12 VFT	Cafe	tan	Non-Fibrous 100	None Detected
46 / 95200	White 12x12 VFT	Hallway	tan	Non-Fibrous 100	None Detected
47 / 95201	Blue Accent 12x12 VFT	Cafe	blue	Non-Fibrous 100	None Detected
48 / 95202	Blue Accent 12x12 VFT	Hallway	blue	Non-Fibrous 100	None Detected
49 / 95203	Yellow Accent 12x12 VFT	Cafe	yellow	Non-Fibrous 100	None Detected
50 / 95204	Yellow Accent 12x12 VFT	Hallway	yellow	Non-Fibrous 100	None Detected

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
51 95205	Red Accent 12x12 VFT	Cafe	red	Non-Fibrous 100	None Detected
52 95206	Red Accent 12x12 VFT	Hallway	red	Non-Fibrous 100	None Detected
53 95207	Green Accent 12x12 VFT	Cafe	green	Non-Fibrous 100	None Detected
54 95208	Green Accent 12x12 VFT	Hallway	green	Non-Fibrous 100	None Detected
55 95209	Boiler Rib Packing	Boiler Room	gray	Fiberglass 40 Mineral Wool 40 Non-Fibrous 20	None Detected
56 95210	Boiler Rib Packing	Boiler Room	gray	Fiberglass 40 Mineral Wool 40 Non-Fibrous 20	None Detected
57 95211	Boiler Rib Packing	Boiler Room	multi	Non-Fibrous 85	**Detected** **Chrysotile 15**
58 95212	HJ on FG Pipe	Boiler Room	gray	Mineral Wool 92 Non-Fibrous 5	**Detected** **Chrysotile 3**
59 95213	HJ on FG Pipe	Boiler Room	gray	Mineral Wool 90 Non-Fibrous 5	**Detected** **Chrysotile 5**
60 95214	HJ on FG Pipe	Boiler Room	gray	Fiberglass 35 Mineral Wool 35 Non-Fibrous 30	None Detected
61 95215	Boiler Exhaust Insulation	Boiler Room	gray	Non-Fibrous 30	**Detected** **Chrysotile 70**
62 95216	Boiler Exhaust Insulation	Boiler Room	gray	Non-Fibrous 30	**Detected** **Chrysotile 70**
63 95217	Boiler Exhaust Insulation	Boiler Room	gray	Non-Fibrous 28	**Detected** **Chrysotile 70** **Amosite 2**
64 95218	Exterior Vertical Caulk	Exterior Brick-Brick	gray	Non-Fibrous 100	None Detected
65 95219	Exterior Vertical Caulk	Exterior Brick-Brick	gray	Non-Fibrous 100	None Detected
66 95220	Exterior Vent Caulk	Exterior Unit Vent Grill	gray	Non-Fibrous 100	None Detected
67 95221	Exterior Vent Caulk	Exterior Unit Vent Grill	gray	Non-Fibrous 100	None Detected
68 95222	Exterior Door Frame Caulk	Exterior Door	gray	Non-Fibrous 100	None Detected

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
69 95223	Exterior Door Frame Caulk	Exterior Door	gray	Non-Fibrous 100	None Detected
70 95224	Exterior Window Glaze	Inside of Exterior Windows	gray	Non-Fibrous 90	**Detected** **Chrysotile 10**
71 95225	Exterior Window Glaze	Inside of Exterior Windows	gray	Non-Fibrous 90	**Detected** **Chrysotile 10**
72 95226	Exterior Window Glaze	Outside of Exterior Windows	gray	Non-Fibrous 98	**Detected** **Chrysotile 2**
73 95227	Exterior Window Glaze	Outside of Exterior Windows	gray	Non-Fibrous 98	**Detected** **Chrysotile 2**
74 95228	Exterior Window Caulk	Exterior Window Frame	gray	Non-Fibrous 100	None Detected
75 95229	Exterior Window Caulk	Exterior Window Frame	gray	Non-Fibrous 100	None Detected
76 95230	Exterior Window Caulk	Exterior Window Frame	gray	Non-Fibrous 100	None Detected
77 95231	Exterior Window Caulk	Exterior Window Frame	gray	Non-Fibrous 100	None Detected

Monday 05 October

Analyzed by: Michael Thomas

End of Report

Batch: 8921

CHAIN OF CUSTODY

Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702
Tel: (508) 628-5486 - Fax: (508) 628-5488
adieb@uec-env.com

PLM
72-hour TAT

Town/City: Amherst, MA Building Name Wildwood school

Sample	Result	Description of Material	Sample Location
1		2x4 SAT Holes	Kitchen
2		"	"
3		"	Room F-3
4		"	Room D-3
5		Smooth ceiling Plaster	Hall
6		"	mens Room
7		"	mens Room
8		Textured ceiling Plaster	Boiler room
9		"	"
10		"	"
11		"	Gym mechanical room
12		"	"
13		Brown covebase glue	gym
14		"	"
15		Tan Paper under H/W	"
16		"	"
17		Black DP under gym floor	"
18		"	"
19		Grey sink coating	office
20		"	Room B

Reported By: Jason Berotte Date: 9-30-15 Due Date: ----------

Received By: [signature] Date: 10/01/15

CHAIN OF CUSTODY

PLM

72-hour TAT

Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702
Tel: (508) 628-5486 - Fax: (508) 628-5488
adieb@uec-env.com

Town/City: Amherst, MA Building Name Wildwood school

Sample	Result	Description of Material	Sample Location
21		vertical caulk Block-Block	Hallway
22		" "	Hallway
23		Interior window glaze	Hallway by room A
24		" "	office
25		Interior Door glass glaze	Room D-3
26		" "	Room H-3
27		Cardboard packing	on vertical column behind Block
28		" "	" "
29		Brown glue for FG duct Ins.	Gym mechanical room
30		" "	" "
31		old Green 12x12 VFT	ELL
32		" "	ART
33		Black mastic	on sample 31
34		" "	on sample 32
35		Beige 12x12 VFT	music room
36		" "	" "
37		Dark Blue 12x12 VFT	Room H-1
38		" "	" "
39		Light Blue 12x12 VFT	Computer lab
40		" "	" "

Reported By: Jason Beaulieu Date: 9-30-15 Due Date: ----------

Received By: ---------- Date: ----------

CHAIN OF CUSTODY

Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702
Tel: (508) 628-5486 - Fax: (508) 628-5488
adieb@uec-env.com

PLM
72-hour TAT

Town/City: Amherst, MA Building Name Wildwood School

Sample	Result	Description of Material	Sample Location
41		Grey 12x12 VFT	Library office
42		" "	Room - B
43		Purple 12x12 VFT	nurse
44		" "	"
45		White 12x12 VFT	Cafe
46		" "	Hallway
47		Blue Accent 12x12 VFT	cafe
48		" "	Hallway
49		Yellow Accent 12x12 VFT	cafe
50		" "	Hallway
51		Red Accent 12x12 VFT	Cafe
52		" "	Hallway
53		Green Accent 12x12 VFT	Cafe
54		" "	Hallway
55		Boiler Rib Packing	Boiler room
56		" "	" "
57		" "	" "
58		HJ on FG pipe	" "
59		" "	" "
60		" "	" "

Reported By: Jason Beeotte Date: 9-30-15 Due Date: ----------

Received By: ---------- Date: ----------

CHAIN OF CUSTODY

Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702
Tel: (508) 628-5486 - Fax: (508) 628-5488
adieb@uec-env.com

PLM
72-hour TAT

Town/City: Amherst MA Building Name Wildwood School

Sample	Result	Description of Material	Sample Location
61		Boiler exhaust Insulation	Boiler room
62		"	"
63		"	"
64		exterior vertical caulk	exterior Brick-brick
65		"	"
66		exterior vent caulk	exterior unit vent grill
67		"	"
68		exterior Door Frame caulk	exterior door
69		"	"
70		exterior window glaze	Inside of exterior windows
71		"	"
72		"	outside of exterior windows
73		"	"
74		exterior window caulk	exterior window Frame
75		"	"
76		"	"
77		"	"

Reported By: Jason Berotte Date: 9-30-15 Due Date: ----------

Received By: ---------- Date: ----------

OrderID: 131505776

131505776

UEC universal environmental consultants
12 Brewster Road
Framingham, MA 01702
Phone: 508.628.5486
Fax: 508.628.5488

CHAIN OF CUSTODY

BUILDING / SITE NAME: Wildwood School
TOWN / CITY: Amherst
WORK AREA:
STATE: MA

Analysis Type	Turnaround Time (x) 6-8 Hr	12 Hr	24 Hr	48 Hr	72 hr
TEM / AHERA					
TEM / Level II					
TEM / Dust					
TEM / Bulk					
TEM / Water					
PLM					
Mold				X	
Other:					

Specific Project Notes

SAMPLE ID	MATERIAL DESCRIPTION	SAMPLE LOCATION	START	STOP	TIME	L/MIN	VOLUME
1	21896663	Room H-1	1249	1259	10	15	150
2	21896651	Room F-1	1251	1301	10	15	150
3	21896689	main office	1300	1310	10	15	150
4	21896617	D-3	1302	1312	10	15	150
5	21896601	staff workroom	1311	1321	10	15	150
6	21896635	outside	1314	1324	10	15	150

SAMPLED BY: Jason Berube DATE/TIME: 9-30-15
RECEIVED BY: DATE/TIME:
RELINQUISHED BY: DATE/TIME:
RECEIVED IN LAB BY: DATE/TIME:

RECEIVED
OCT 01 2015
By M 8:30

DB

EMSL Analytical, Inc.

7 Constitution Way, Suite 107 Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

Order ID:	131505776
Customer ID:	UEC63
Customer PO:	
Project ID:	

Attn: Ammar Dieb
Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702

Phone:	(508) 628-5486
Fax:	(508) 628-5488
Collected:	09/30/2015
Received:	10/01/2015
Analyzed:	10/05/2015

Proj: Wildwood School, Amherst, MA

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	131505776-0001			131505776-0002			131505776-0003		
Client Sample ID:	1-21896663			2-21896651			3-21896689		
Volume (L):	150			150			150		
Sample Location:	Room H-1			Room F-1			Main Office		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria	-	-	-	1*	7*	0.1	1	20	0.9
Ascospores	7	200	4.1	15	330	6.4	5	100	4.7
Aspergillus/Penicillium	6	100	2.1	2	40	0.8	1	20	0.9
Basidiospores	187	4080	84.5	211	4600	89.6	78	1700	79.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	16	350	7.2	1	20	0.4	3	70	3.3
Curvularia	-	-	-	-	-	-	1	20	0.9
Epicoccum	-	-	-	1	20	0.4	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	6	100	2.1	4	90	1.8	8	200	9.3
Pithomyces	-	-	-	1	20	0.4	1	20	0.9
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Pestalotia	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	1*	7*	0.1	-	-	-
Total Fungi	**222**	**4830**	**100**	**237**	**5134**	**100**	**98**	**2150**	**100**
Hyphal Fragment	1	20	-	1	20	-	1*	7*	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	22	-	-	22	-	-	22	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Sean Ryan, Microbiolgy Technical Manager
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA-LAP, LLC --EMLAP Accredited #180179

Initial report from: 10/05/2015 11:25:19

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

EMSL Analytical, Inc.
7 Constitution Way, Suite 107 Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

Order ID: 131505776
Customer ID: UEC63
Customer PO:
Project ID:

Attn: Ammar Dieb
Universal Environmental Consultants
12 Brewster Road
Framingham, MA 01702

Phone: (508) 628-5486
Fax: (508) 628-5488
Collected: 09/30/2015
Received: 10/01/2015
Analyzed: 10/05/2015

Proj: Wildwood School, Amherst, MA

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	131505776-0004			131505776-0005			131505776-0006		
Client Sample ID:	4-21896617			5-21896601			6-21896635		
Volume (L):	150			150			150		
Sample Location:	D-3			Staff Workroom			Outside		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria	1*	7*	0.2	1	20	1	1*	7*	0.1
Ascospores	9	200	5.9	4	90	4.5	101	2200	18.8
Aspergillus/Penicillium	3	70	2.1	6	100	5	15	330	2.8
Basidiospores	121	2640	77.5	63	1400	70	414	9030	77.2
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	20	0.6	3	70	3.5	-	-	-
Curvularia	1	20	0.6	2	40	2	1*	7*	0.1
Epicoccum	-	-	-	-	-	-	2*	10*	0.1
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	20	0.6	-	-	-	2	40	0.3
Myxomycetes++	18	390	11.4	11	240	12	1	20	0.2
Pithomyces	3*	20*	0.6	2	40	2	-	-	-
Rust	-	-	-	-	-	-	1	20	0.2
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	2	40	0.3
Pestalotia	1	20	0.6	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Total Fungi	**159**	**3407**	**100**	**92**	**2000**	**100**	**540**	**11704**	**100**
Hyphal Fragment	1*	7*	-	1	20	-	1*	7*	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	2*	10*	-
Analyt. Sensitivity 600x	-	22	-	-	22	-	-	22	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Sean Ryan, Microbiolgy Technical Manager
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA-LAP, LLC --EMLAP Accredited #180179

Initial report from: 10/05/2015 11:25:19

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

AccuStar
Professional Radon Laboratory Services Since 1984

Radon in Air

NELAC NY 11769
NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

Universal Environmental Consultant
12 Brewster Road
Framingham MA 01702

Property Tested:

Wildwood Elementary
71 Stropng Street
Amherst MA 01002

Log Number	Device Number	Test Exposure Duration:		Area Tested	Result (pCi/L)
1843640	3068933	09/28/2015 10:35 am	09/30/2015 11:12 am	First Floor Boiler Room	< 0.4
1843641	3068953	09/28/2015 10:56 am	09/30/2015 11:18 am	First Floor Custodian H1	0.4
1843642	3068922	09/28/2015 10:58 am	09/30/2015 11:23 am	First Floor Custodian C1	0.4
1843643	3068943	09/28/2015 11:00 am	09/30/2015 11:21 am	First Floor Custodian D3	0.5
1843644	3068923	09/28/2015 11:01 am	09/30/2015 11:22 am	First Floor Gym Storage Hallway	0.4
1843645	3068963	09/28/2015 11:03 am	09/30/2015 11:20 am	First Floor Custodian G3	0.5

Comment: Devices placed in boiler areas do not comply with EPA 402-R-92-004 testing protocol. Universal Environmental Consultant was emailed a copy of this report.

Test Performed By: Jason Becotte

Distributed by: Universal Environmental Consultant

Date Received: 09/30/2015 Date Logged: 09/30/2015 Date Analyzed: 10/01/2015 Date Reported: 10/01/2015

Report Reviewed By: M. Thayer Report Approved By: Carolyn K. Allen

Carolyn K. Allen, President, AccuStar Labs

Disclaimer:

The uncertainty of this radon measurement is ~+/- 10 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

11 Awl Street Medway MA 02053 888-480-8812 FAX 508-533-8831