#### PHASE I ENVIRONMENTAL SITE ASSESSMENT

Manchester-By-The-Sea Apartments School Street (Manchester parcel 43-0-18) Manchester-By-The-Sea, Massachusetts

September 22, 2020

Project No. 20.119.01

#### PREPARED FOR:

SLV School Street, LLC 257 Hillside Avenue Needham, Massachusetts 02494

#### PREPARED BY:

Miller Engineering & Testing, Inc. 100 Sheffield Road, P.O. Box 4776 Manchester, NH 03108-4776



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Via email: <u>gengler@s-e-b.com</u>

September 22, 2020 Mr. Geoffrey Engler SLV School Street, LLC 257 Hillside Avenue Needham, Massachusetts 02494

RE: Phase I Environmental Site Assessment Proposed Manchester-By-The-Sea Apartments School Street Manchester-By-The-Sea, Massachusetts

Project 20.119.01

Dear Mr. Engler:

The attached Phase I Environmental Site Assessment is our report of findings for the land parcel at 0 School Street in Manchester-By-The-Sea, Massachusetts. We performed this Phase I Environmental Site Assessment to assess the environmental conditions at the Site for evidence of Recognized Environmental Conditions from current or past uses of the land.

Based on our examination of historical and regulatory documents, and a site reconnaissance, it is our opinion that further inquiries and investigations into the environmental conditions of the Site are not warranted.

Thank you for this opportunity to provide environmental services to SLV School Street, LLC. Please contact us at (603) 668-6016) or <u>kmilender@millerengandtesting.com</u> if you have questions or require additional information.

Very truly yours, MILLER ENGINEERING & TESTING, INC.

Kenneth W. Milender, P.G., P.E. Senior Project Manager

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Appendix D:	Historical Topographic Maps
Appendix E:	Supplemental Documentation
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#### **1.0 INTRODUCTION**

This report presents out findings of a Phase I Environmental Site Assessment (hereafter referred to in this report as "Phase I ESA") performed by Miller Engineering & Testing, Inc. for one land parcel in the town of Manchester-By-The-Sea, Essex County, Massachusetts, as identified by the Manchester Assessors Department as Lot 43-0-18 (street address 0 School Street). This parcel will be referred to as "Site" in this report. Figure 1 is a location map that depicts the Site on a 7.5-minute topographic quadrangle.

#### 1.1 Purpose

The purpose of this Phase I ESA was to assess the environmental condition of the Site by performing "all appropriate inquiry" into the previous ownership and uses of the Site consistent with good commercial or customary practice, taking into account commonly known and reasonably ascertainable information. The goal of the assessment was to identify Recognized Environmental Conditions ("RECs") in connection with the Site. We use the following definitions from ASTM E 1527-13; there are different types of RECs:

*Recognized Environmental Conditions ("RECs"):* The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property that are: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions do not constitute RECs. The term REC includes Controlled RECs and Historical RECs.

- *Controlled RECs ("CRECs")* refers to a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.
- *Historical RECs ("HRECs"*) refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

By performing a Phase I ESA of a parcel of real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products, a user satisfies one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability.

#### 1.2 Scope-of-Work

This Phase I ESA was performed in general accordance with the requirements of the ASTM International Designation: E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, 2013* (ASTM E1527-13) and included the completion of the following tasks:

- 1. Review municipal records and search state and federal environmental databases for sites or conditions of environmental concern.
- 2. Review historical land use records to evaluate past use of the Site and adjoining properties.
- 3. Perform a site reconnaissance to visually and/or physically observe current conditions of the Site and the general land use of surrounding properties.
- 4. Conduct interviews with readily available past and present owners, operators, and occupants of the Site.
- 1.3 Significant Assumptions

We have assumed that the federal, state, and local records that we reviewed are generally complete and current, and that all the individuals we contacted and/or interviewed have responded in good faith. We are entitled to rely on all information gathered during the preparation of this Phase I ESA. We have made no other significant assumptions during the performance of this Phase I ESA.

#### 1.4 Limitations, Exceptions, Deviations and Data Gaps

Along with the limitations set forth in various sections of the ASTM E 1527-13, the accuracy and completeness of this report is limited by the following:

- 1. Access Limitations: None.
- 2. Physical Obstructions to Observations: None.
- 3. Outstanding Information Requests: None.
- 4. Historical Data Source Failure: None.
- 5. Exceptions: None.
- 6. Deviations: None.
- 7. Data Gaps: None. The Town of Manchester offices were closed during the conduct of this Phase I ESA due to the current Covid-19 emergency. We have contacted the appropriate town agencies by electronic mail without a physical review of documents (unless provided through town agency contacts). It is our opinion that this does not constitute a data gap.

Our findings are based solely on the information reported in this document. Should additional information become available in the future, we should review this information and the findings presented herein could be modified based on the new information. Information obtained from state and local agencies is not necessarily all-inclusive and files may have been reviewed and purged by officials prior to review by the public.

#### 1.5 Special Terms and Conditions

This Phase I ESA was conducted in accordance with our executed Agreement dated August 31, 2020 (Proposal Reference No. 224-20). Authorization was provided in writing by SLV School Street, LLC (Mr. Geoffrey Engler) as described above, and Mr. Engler coordinated Site access, who also provided an explanation of the Site and the facilities to be assessed.

#### 1.6 User Reliance

This Phase I ESA has been prepared solely for the benefit of our client, SLV School Street, LLC. We have issued this Phase I ESA report to our client and we grant the right to rely on the report contents. Except as specifically set forth in our proposal to the client to perform this work, no third party shall have the right to rely on our opinions rendered in connection with the services without written consent from Miller Engineering & Testing, Inc., which may be conditioned on the third party's agreement to be bound to acceptable conditions and limitations similar to this Agreement. Please note that our consent to provide a right-to-rely on the Phase I ESA report is subject to the client's approval and agreement to the terms and conditions associated with our performance of this Phase I ESA.

# 2.0 SITE DESCRIPTION

The Site consists of one individual land parcel with roadway frontage on School Street and Old School Street in Manchester-By-The-Sea, Massachusetts.

Manchester Tax Map/Parcel No.	Street Address	Area (acres)	Area (square feet)	Latitude/ Longitude
Parcel 43-0-18	0 School Street	23.72	1 033 743	42° 35' 35.16'' N/ 70° 46' 5.60'' W

#### 2.1 Site and Vicinity Characteristics

The Site is located at 0 School Street on the north side of the Town of Manchester-By-The-Sea, Massachusetts. The Site is abutted by wooded parcels, wetlands, and commercial properties. Figure 2 is an Existing Conditions Plan that illustrates the Site and adjoining properties.

	and catures of the site and surrounding risperites
Site and Vicinity – General Characteristics	The Site is in an area of undeveloped woodlands and wetlands. Abutters and properties on the east side of School Street (away from the Site) are mixed commercial and retail developments (such as Utopia Farm Stand at 1 Atwater Avenue and Family Medicine Associates, LLC at 195 School Street). The abutting property across School Street to the east (197 School Street) is owned and operated as Manchester's compost center. The abutting property to the east (parcel 43-0-24, 156 School Street) is owned by Vista DeLomas, LLC and appears to be a small open area at top of a low hill with an unknown use.
Current Use of the Site	The Site is currently undeveloped woodland with a dense mix of
	deciduous and pine trees.
Site Building Information	There are no buildings on the Site, and the Site has no history of development
Additional Site Structures, Roads, and Other Improvements	None.
Flood Plain Information	The Site is depicted on FEMA Map 25009C0432G (effective date of July 16, 2014). The Site is outside the special flood hazard zone and identified as Zone X ("Areas of Minimal Flood Hazard").
Private and Public Water Supply Wells	There are no public or private water supply wells on the property. The surrounding developed properties are provided with water and sewer services with private, on-site wells and septic systems.

Other general information pertaining to the physical characteristics of the Site and the surrounding area (wetland areas, surface water bodies, flood zones, soil maps, public and private water supply wells, local geology, topography, etc.) is included as Appendix A.

# 2.2 Current Use of the Site

The Site consists of approximately 23.72 acres of undeveloped woodland. We understand that Parcel 43-0-18 is being proposed for development into multi-story residential apartment buildings with ancillary amenities.

- 2.3 Current Uses of Adjoining Properties
  - 1. West: The adjoining two property to the west (Manchester parcels 43-0-30 and 61-0-18) are two undeveloped lots with dense woodlands (Parcel 43-0-30) and a large wetland area (Parcel 61-0-18) owned by the Town of Manchester and used as conservation areas. Old School Street runs along part of the Site western boundary.
  - 2. North: Three properties abut the Site to the north (Manchester parcels 43-0-15 and 43-0-44, owned by Town of Manchester, and 43-0-16, owned by Trustees of Reservations) are undeveloped lots with a large wetland area used as conservation areas.
  - 3. East: The easterly Site property boundary is School Street and several smaller privately owned parcels and Town of Manchester lands; all are undeveloped woodlands. One abutting parcel to the southeast (parcel 43-0-24) appears to be a wooded parcel with a small open area at top of a low hill, we were not able to determine the current use.
  - 4. South: The adjoining properties to the south are a number of smaller privately owned parcels and Town of Manchester lands; all are undeveloped woodlands. Massachusetts State Highway Route 128 also passes along the southerly property boundary.

#### 2.4 Physical Setting

Based on our review of the Site and surrounding conditions, we present this summary of the baseline environmental conditions at the Site.

# 2.4.1 Topography

Examination of the Salem and Marblehead North, Massachusetts United States Geological Survey 7.5-minute topographic quadrangle maps indicate that the Site terrain consists of a series of low hills that each generally slope downward from the central portions of the Site to the west, north, and east (Figure 1). The highest elevation (approximately 152 feet above Mean Sea Level, or MSL) is located at the central part of the Site, the lowest elevation (approximately 50 feet MSL) is at the perimeter of the Site at the west, north, and northeast sides, for a maximum relief of approximately 100 feet. Each of the low hills appear to be high bedrock knobs.

# 2.4.2 Soils

Examination of the regional soil survey mapping<sup>1</sup> indicates that most of the Site soils have been mapped as the Chatfield-Hollis-Rock Outcrop Complex on steep slopes. The lower elevation areas along the Site's west side have been mapped as Udorthents (well drained, granular soils that have been disturbed by sand and gravel extraction).

<sup>&</sup>lt;sup>1</sup> Soil Survey of Essex County, Massachusetts downloaded from www.websoilsurvey.sc.egov.usda.gov.

# 2.4.3 Geologic Conditions

Regional surficial geology mapping<sup>2</sup> indicates that the higher elevation portions of the Site property are formed of glacial till deposits on shallow bedrock. Lower elevation portions of the Site along its westerly side have been mapped as thicker glacial till (with deeper bedrock), which changes to coarse-grained stratified drift deposits along the western property boundary and below Old School Street.

Regional bedrock geology maps indicate that the Site is underlain by rocks of the Cape Ann Granite Formation of biotite granite<sup>3</sup>. Bedrock outcrops were commonly observed on the Site.

#### 2.4.4 Surface Water Bodies and Floodplains

A narrow wetland area extends through the central portion of the Site (Figure 2). Wetlands were observed on abutting properties to the west and north. Sawmill Brook rises in the wetland areas west of the Site, flows through the wetlands north of the Site, and continues to the east and south.

# 2.4.5 Hydrogeology

Groundwater seeps and other discharges were not observed at the Site. We infer that groundwater flows radially outward from the higher elevations to the west, north, and east of the Site, based on observations of the Site terrain.

# 2.4.6 Radon Potential

Radon gas test results, reported to the Commonwealth of Massachusetts, indicate that the average radon concentration in Manchester is 4.5 picocuries per liter, which places the Site in EPA radon occurrence Zone 1. Based on our cursory review of the local geological conditions, it is our opinion that a radon system for the residential development at this Site could be necessary if the proposed development includes underground habitable (basement) spaces.

 <sup>&</sup>lt;sup>2</sup> Stone, B.D., Stone, J.R., and DiGiacomo-Cohen, M.L., 2007, Surficial geologic map of the Salem Depot - Newburyport East - Wilmington - Rockport 16-quadrangle area in northeast Massachusetts: U.S. Geological Survey, Open-File Report OF-2006-1260-B, scale 1:24,000.
 <sup>3</sup> Dennen, W.H., 1991, Bedrock geologic map of the Marblehead North quadrangle, Essex County, Massachusetts: U.S. Geological Survey, Geologic Quadrangle Map GQ-1693, scale 1:24,000.

# 3.0 USER-PROVIDED INFORMATION

An ASTM Phase I ESA User Questionnaire, included as Appendix B, was completed by Mr. Geoffrey Engler of SLV School Street, LLC (the "User") as part of this assessment; the pertinent information is summarized below.

3.1 Title Records

No title records in connection with the Site were provided by SLV School Street, LLC.

3.2 Environmental Liens or Activity and Use Limitations

The User has provided no information that indicates the Site has an environmental clean-up lien.

3.3 Specialized Knowledge

SLV School Street, LLC has no specialized knowledge in connection with the Site.

3.4 Commonly Known or Reasonably Ascertainable Information

The User is not aware of any environmental issues associated with the Site.

3.5 Valuation Reduction for Environmental Issues

The user is unaware of any environmental issues associated with the Site; valuation reduction due to environmental issues is not applicable to the Site.

3.6 Owner, Site Manager, and Occupant Information

No information about RECs in connection with the Site was provided by an owner, property manager, or occupant.

3.7 Reason for Performing Phase I ESA

This Phase I ESA was performed as environmental due diligence to support financing for Site development by SLV School Street, LLC.

3.8 Previous Environmental Reports

We are not aware of any earlier environmental reports regarding the Site.

# 4.0 SITE HISTORY

To provide reasonably ascertainable information regarding the current and historical land uses of the Site and surrounding properties, we subcontracted Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut to provide us with a series of aerial photographs, satellite imagery, topographic maps, and other historical sources of information, from which we were able to assemble a brief review of the historical land uses at the Site and in the Site vicinity.

#### 4.1 Aerial Photographs

Historical aerial photographs and satellite imagery were obtained for the years 1938, 1952, 1960, 1969, 1978, 1986, 1995, 2008, 2012, and 2016 (Appendix C), as well as Google Earth® images from 2019. A summary of our examination of the images is presented in Tables 2 and 3.

Table 2 – Historical Use of the Site					
Years	<b>Property Use and Observed Details</b>	<b>Reference Sources</b>			
1888 to 1960	The Site has no history of development or specific land use. The 1938 and 1952 photographs indicate that some minor sand and gravel removal might have begun. The alignment for Route 128 was being cleared in 1952; Ms. Beth Welin of Manchester Historical Museum confirmed Route 128 was constructed through this area of Manchester in 1953.	Historical Topographic Maps Historical Aerial Photographs			
1960 to 1986	The westerly portion of the Site appears to have been operated as a sand and gravel pit from the 1960s to the 1980s. During that period, the Site had direct access to School Street; however, it appears that the primary access was from Old School Street. The 1969 photograph appeared to depict the maximum extent of the sand and gravel workings. By the time of the 1986 photograph, it appears that the Site was no longer used to provide sand and gravel but might have been in use for disposal at that time. The maps and aerial photographs did not depict any equipment or facilities (temporary or permanent) during the time the Site was used as a sand and gravel operation.	Historical Topographic Maps Historical Aerial Photographs			
1986 to present		Town of Manchester Assessor Historical Topographic Maps Historical Aerial Photographs			

Table 2 – Historical Use of the Site

Table 3 – Historical Uses at Adjoining Properties						
	Years	Property Use and Observed Details	<b>Reference Sources</b>			
WEST	1888 to 1952	The abutting and nearby properties to the west of the Site have not been developed during the period of this assessment.				
	1952 to 2018	Route 128 was constructed in 1952 and 1953. The construction included re- routing School Street to the east of the Site and downgrading School Street to a low-traffic, dead-end road with its new name (Old School Street).				
NORTH	1888 - 2018	The adjoining properties north of the Site have been undeveloped woodland and wetlands during the period of this assessment.				
	1888 to 1952	The adjoining properties to the east of the Site are chiefly wetlands and undeveloped wooded land.				
EAST	1952 to 1995	School Street was re-routed to the east side of the Site (its present alignment) in 1952. This new alignment allowed for construction of Atwater Avenue. Development of the town compost station (197 School Street) and the retail farm stand at 1 Atwater Avenue were evident in the 1969 photograph.	Historical Topographic Maps Historical Aerial Photographs			
	1995 to 2019	Other nearby developments were constructed during the 1990s (Atwater Avenue) and 2000s (Family Medicine Associates, LLC at 195 School Street). One abutting parcel to the southeast appears to be a wooded parcel with an access driveway from School Street to a small open area at the top of a low hill, we were not able to identify the current use.				
HLUOS	1888 to 1952	The abutting and nearby properties to the south of the Site have not been developed during the period of time of this assessment.				
	1952 to 2019	Route 128 was constructed in 1952 and 1953 around the south end of the Site property. The properties around the south side of the Site remain undeveloped woodlands and wetlands.				

#### Table 3 – Historical Uses at Adjoining Properties

# 4.1 Topographic Maps

Historical U.S. Geological Survey topographic maps were obtained for the years 1888, 1893, 1917, 1919, 1945, 1956, 1970, 1977, 1985, and 2018 (Appendix D). Note that the level of detail on the Site and adjoining properties are limited by the scale of the maps. A summary of general observations of the Site and adjoining properties from the historical topographic maps is presented in Tables 2 and 3.

#### 4.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps are typically available only for urban areas, and we confirmed that the coverage for Manchester did not include the Site property or the Site vicinity.

#### 4.3 City Directories

City Directory Reports are typically available only for developed areas; we confirmed that the coverage for Manchester did not include the Site property or the Site vicinity.

#### 4.4 Summary of Site History

The Site property has no known history of development. Route 128 was constructed around the south side of the Site property in 1952 and 1953. That construction included re-routing School Street to the east side of the Site and downgrading School Street on the west side into a dead-end road that was renamed Old School Street. The Site property was apparently used for small-scale extraction of limited amounts of sand and gravel during the 1960s through the 1980s. Since that time, the Site has revegetated into its current wooded condition. The abutting and surrounding land parcels are generally undeveloped woodlands and wetlands.

#### 5.0 ENVIRONMENTAL RECORDS REVIEW

We subcontracted Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut to perform a search of federal and state databases containing known and suspected sites of environmental contamination in the vicinity of the Site.

5.1 Standard Environmental Record Sources

The number of listed sites identified within the approximate minimum search distances from the federal and state environmental database listings were in conformance to ASTM E 1527-13, as is summarized in the following table; the EDR data report is included as Appendix A.

Database Record	ASTM Search Radii (mile)	Total Sites Found	On Site	On Adjoining Site	
Federal NPL List	1	0	0	0	
Federal Delisted NPL List	0.5	0	0	0	
Federal CERCLIS List	0.5	0	0	0	
Federal CERC-NFRAP List	0.5	0	0	0	
Federal RCRA CORRACTS Facilities List	1	0	0	0	
Federal RCRA Non-CORRACTS TSD Facilities List	0.5	0	0	0	
Federal RCRA Generators List	0.25	2	0	0	
Federal Institutional/Engineering Controls Registries	0.5	0	0	0	
Federal ERNS List	Site Only	0	0	-	
State-Equivalent NPL List	1	0	0	0	
State-Equivalent CERCLIS List (NH SHWS)	1	3	0	0	
NH Landfill and/or Solid Waste Disposal Site List (NH SWF/LF	0.5	0	0	0	
NH SWRCY (Recycling)	0.5	0	0	0	
NH ALLSITES	0.5	8	0	0	
NH Leaking UST List (NH LUST)	0.5	5	0	0	
NH Registered UST List (NH UST)	0.25	1	0	0	
NH Registered AST List (NH AST)	0.25	0	0	0	
State Institutional/Engineering Controls Registries	Site Only	0	0	-	
State Voluntary Cleanup Sites	0.5	0	0	0	
State Brownfield Sites	0.5	0	0	0	
NH ALLSITES	0.5	8	0	0	
RCRA NonGen	0.25	6	0	0	
EDR Hist. Dry Cleaner	0.125	0	0	0	
EDR Hist. Auto	0.125	0	0	0	
Note: Specific databases and acronyms are defined in the EDR Radius Report (Appendix A).					

#### 5.2 State and Federal Database Findings

The Site property is currently undeveloped woodland located in a moderately developed neighborhood of commercial activities with a limited number of potential sources of contaminants. The EDR database search revealed the following regulated sites in the vicinity of the Site.

SITE NAME	ADDRESS	DATABASE		
Beverly Hospital	195 School Street	HW GEN, RCRA-VSQG, FINDS, ECHO		
Hall & Emslie, Inc	10 Atwater Avenue	HW GEN, RCRA-VSQG		
Residence	3 Currier Road	SHWS, RELEASE		
Residence	156 Pine Street	SHWS, INST CONTROL, RELEASE, ENF		
At Summer Street	50 Brook Street	SHWS, RELEASE		
Massachusetts Dept. of Public Works	Pine Street	SHWS, RELEASE		

A more detailed summary of the known sites, identified on the environmental databases, is attached in Appendix A. The environmental databases did not identify the Site or any of the abutting properties as sites of known releases of petroleum products or hazardous materials.

5.3 Local Regulatory Agency File Review

Because of the current Covid-19 emergency, the Manchester town offices were available only for electronic mail requests for information during the conduct of this Phase I ESA.

#### Fire Department (Patrice Rotondo (Executive Assistant)/Jason Cleary (Chief)

We contacted Ms. Rotondo and requested information in connection with the Site, including records of underground or aboveground storage tanks, hazardous waste storage, and/or petroleum or hazardous materials spills. The Manchester Fire Department has no information pertaining to the Site.

#### Assessor Department

We obtained documents regarding ownership of the Site properties from the Town of Manchester-By-The-Sea Assessor Department website. According to the current assessor records, the Site Parcel 43-0-18 (street address 0 School Street) is currently owned by the Brown Family Trust.

Information from the assessor's records is included throughout the pertinent sections of this Phase I ESA. A copy of the current assessor's card and tax map is included in Appendix E.

#### Health Department (Ellen Lufkin, Administrative Assistant)

We contacted the Manchester Health Department; the department has no records on the Site property.

# Building Department (Paul Orlando, Building Inspector)

We contacted the Manchester Building Department and received no response.

#### Department of Public Works (Ruth Fitzgerald (Assistant to Director)

The Manchester DPW has no records regarding the Site property.

#### Town Engineer (Nathan Desrosiers)

Mr. Desrosiers reported that his office has no records regarding the Site.

#### 5.4 Summary of Environmental Records

Based on our review of federal and state environmental databases, as well as information available at local government agencies, we offer the following summary:

- The Site was not identified as a contaminated or impacted site in any of the federal or state databases reviewed as part of this Phase I ESA.
- No adjoining property relative to the Site was identified in any of the federal or state database reviewed as part of this Phase I ESA.
- Based on the locations of the off-site, nearby, identified releases or potential release sites, it is our opinion that the off-site regulated sites do not pose a potential environmental concern to the Site.

#### 6.0 SITE RECONNAISSANCE

Mr. Kenneth W. Milender of this office performed a visual reconnaissance of the Site on July 17, 2020 in order to assess the environmental conditions at the Site and the adjoining properties for potential RECs. Appendix F is a photograph log that illustrates the existing physical conditions at the Site and surrounding properties. Figure 2 is the Existing Conditions Plan prepared by Allen & Major Associates, Inc. that was used as a guide to our Site observations. Figure 3 is a Google Earth® image that depicts the Site and vicinity in April 2018.

#### 6.1 Methodology and Limiting Conditions

During our reconnaissance, we looked for evidence indicating the past or present use of petroleum and/or hazardous materials, as well as their storage or disposal. We also examined the Site for areas of disturbed or discolored soil, suspect equipment that could contain hazardous substances, areas of distressed vegetation, sanitary and areas that could have been used as wastewater discharge areas, storage tanks, septic systems, waste management/disposal areas, lagoons, pits, and sumps.

Adjoining properties were observed from the perimeter of the Site or from areas with public access. We did not directly enter adjoining/abutting properties.

# 6.2 General Site Setting

Lot 43-0-18 (street address 0 School Street) is currently undeveloped woodlands with minor wetlands. There are no developed features on the Site.

#### 6.3 Exterior Observations

#### 6.3.1 Hazardous Substances and Petroleum Products

We did not observe indications of active storage of hazardous materials or petroleum products at the Site.

#### 6.3.2 Storage Tanks

We reviewed the Site for indications that large quantities of petroleum products and/or hazardous materials were stored in storage tanks at the Site.

#### Underground Storage Tanks

We observed no evidence, such as fill or vent pipes or access ways that indicated the presence of heating oil or gasoline USTs at the Site during the reconnaissance. We did not observe stained ground or other evidence of a release from a storage tank at the Site.

#### Aboveground Storage Tanks

No ASTs were observed on the Site during the reconnaissance, and there was no visual evidence of heating oil ASTs at the Site.

#### 6.3.3 Odors

We did not detect any strong, pungent, or noxious odors on the Site.

# 6.3.4 Pools of Liquid

We observed stagnant, standing water in a wetland area in the northerly portion of the Site property. We did not observe sheens on the water at the Site property.

#### 6.3.5 Drums

We did not observe any drums or other containers of liquids.

#### 6.3.6 Unidentified Substance Containers

We did not observe any containers of unidentified substances.

#### 6.3.7 Polychlorinated Biphenyls (PCBs)

We did not observe electrical transformers, or any other electrical or hydraulic equipment known to contain, or likely to contain, PCBs. We did observe poles and electrical wiring that indicates that the northerly portion of the Site did have electrical service.

#### 6.3.8 Pits, Ponds, or Lagoons

The northerly portion of the Site contains a small, natural wetland area. No sheens were observed on the water. We did not observe any debris in the wetland area.

#### 6.3.9 Stained Soil or Pavement

We did not observe stained soil or stained pavement during this reconnaissance.

#### 6.3.10 Stressed Vegetation

No stressed vegetation, indicative of a release of petroleum or hazardous substances, was observed on the Site during the reconnaissance.

#### 6.3.11 Solid Waste

We observed an area of fill materials in the north side of the Site. The fills consisted chiefly of boulders and blocks of bedrock, in a layer possibly up to 5 feet thick. We also observed automobile parts, a heating oil tank (empty), fragments of concrete slabs and asphalt pavements, and concrete blocks. Electric power was supplied to the Site by an overhead line that was observed on the ground but still connected to a pole on-site (pole #1-56/2). The fills appeared to resemble debris and construction wastes from small-scale roadway improvement projects.

#### 6.3.12 Wastewater

We did not observe evidence of sanitary wastewater discharges at the Site (there is no on-site sewage disposal).

#### 6.3.13 Stormwater

We did not observe evidence of stormwater discharges at the Site (there is no on-site stormwater disposal).

# 6.3.14 Wells

We did not observe any drinking water or monitoring wells at the Site.

# 6.3.15 Septic Systems

We did not observe an evidence of a former septic system at the Site.

6.4 Reconnaissance Summary

We identified no RECs in connection with the Site, or in the Site vicinity, during our visual reconnaissance.

#### 7.0 INTERVIEWS

We interviewed persons who are familiar with the Site for information regarding potential RECs in connection with the Site.

7.1 Past and Present Site Owners

Mr. Rus Brown of Brown Family Trust was interviewed for his knowledge of the Site. Mr. Brown's direct knowledge of the Site extends back to 1974, when his father and uncle purchased the property. At that time, he remembers that the sand and gravel operation was small and sporadic, and chiefly used for small, local construction projects. Most of the sand and gravel that was mined from the Site occurred prior to Brown family ownership. Mr. Brown does not remember any dumping or large-scale disposal operations at the Site.

#### 7.2 Site Manager

There are no on-site operators or managers at the Site.

#### 7.3 Site Occupants

There are no Site occupants at the Site.

#### 7.4 Others

No additional interviews were conducted.

# 8.0 EVALUATION

We have evaluated the results of our reconnaissance, review of environmental databases, and historical information for this Phase I ESA, and we offer the following summary of our findings and our professional environmental opinion.

#### 8.1 Findings

Based on our assessment of readily available information and our observations at the Site, we find that:

- 1. The Site consists of one land parcel (Manchester land parcel 43-0-18) of approximately 23.72 acres with a street address of 0 School Street, currently owned by The Brown Family Trust. The lot is chiefly undeveloped woodland. The Site has not been developed or used for agricultural use from at least 1947.
- 2. The westerly side of the Site property appears to have been used as a source of sand and gravel during the 1960s and 1970s. The resulting gravel pit has naturally revegetated since at least the 1980s.
- 3. The Site is situated in a neighborhood of undeveloped woodlands and wetlands with commercial land uses to the east along School Street and Atwater Avenue. We do not anticipate adverse impacts to the environmental conditions of the Site from releases at abutting or nearby properties.
- 4. There were no visual indications of releases of petroleum products and/or hazardous materials at the Site.
- 5. There was a small concentrated area of solid waste, which resembled construction and demolition waste, along the northerly portion of the Site property.
- 6. The Site is not listed as being under state or federal oversight for releases of petroleum or hazardous materials, or for other Recognized Environmental Conditions. The records that were available for our review did not indicate that the Site is the subject of environmental investigations or enforcement actions.

#### 8.2 Opinions

Based on the information obtained during this assessment, it is our opinion that additional environmental inquiries and investigations at the Site are not warranted.

#### 9.0 ADDITIONAL SERVICES AND NON-SCOPE CONSIDERATIONS

#### 9.1 Additional Services

SLV School Street, LLC did request additional services (radon, lead-based paint, mold, and hazardous building materials) beyond the standard scope-of-services prescribed by ASTM E 1527-13. Because the Site is undeveloped, only radon was addressed in this Phase I ESA.

#### 9.2 Non-Scope Considerations

This Phase I ESA did not identify or evaluate the following environmental considerations that are outside the scope of the standard practice defined by ASTM E 1527-13:

- 1. Lead in drinking water.
- 2. Wetlands.
- 3. Regulatory compliance.
- 4. Cultural and historic resources.
- 5. Industrial hygiene.
- 6. Health and safety.
- 7. Ecological resources.
- 8. Endangered species.
- 9. Indoor air quality.
- 10. High-voltage power lines.
- 11. Biological agents.

#### **10.0 REFERENCES**

- 1. ASTM International Designation: E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, 2013.*
- 2. The EDR Radius Map<sup>™</sup> Report with GeoCheck<sup>®</sup>.
- 3. Topographic Maps, as listed.
- 4. Aerial Photographs, as listed.
- 5. Records reviewed from municipal offices.
- 6. Records reviewed from state files.

#### 11.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

#### Primary Assessor and Report Author

The undersigned performed this Phase I ESA in general accordance with the requirements of ASTM E 1527-13. Any work performed for this Phase I ESA by an individual who is not considered an environmental professional was completed under the responsible charge of the environmental professional listed below.

Kenneth W. Milender, P.G., P.E. Senior Project Manager/Primary Author

I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in §312.10 of 40 CFR 312.

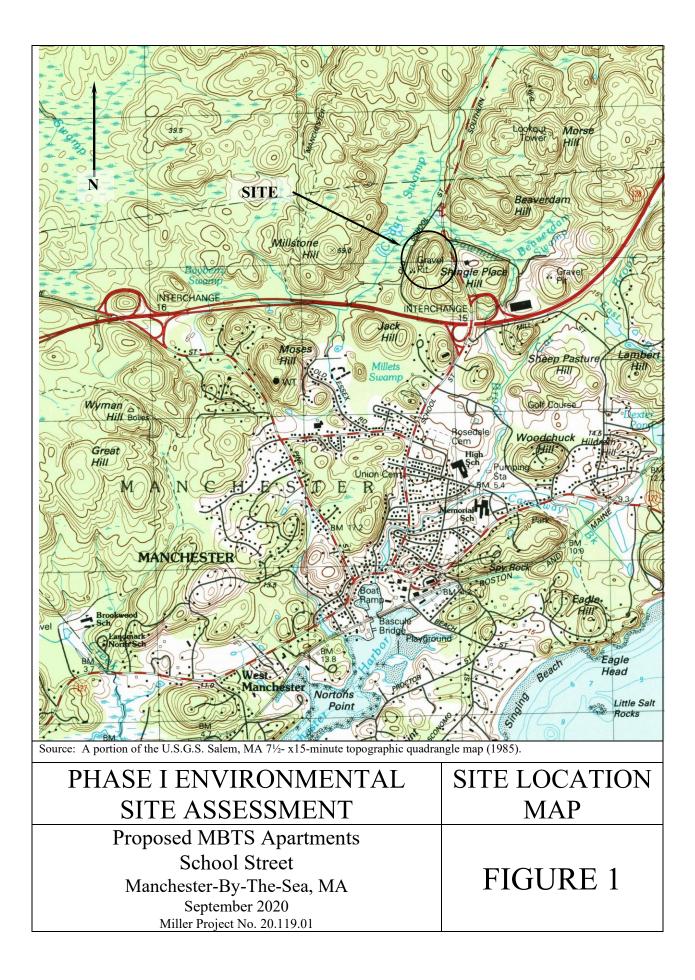
I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

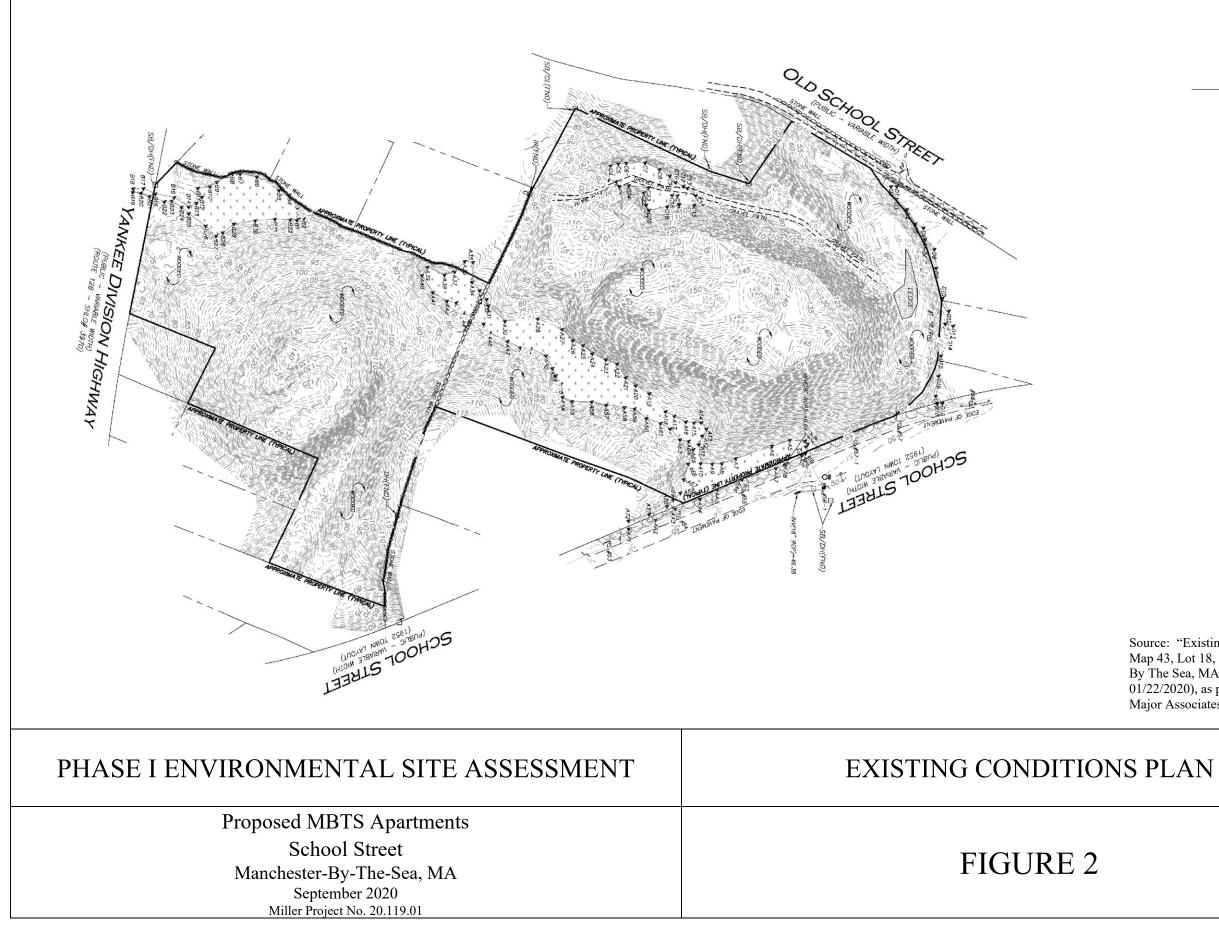
# FIGURES

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

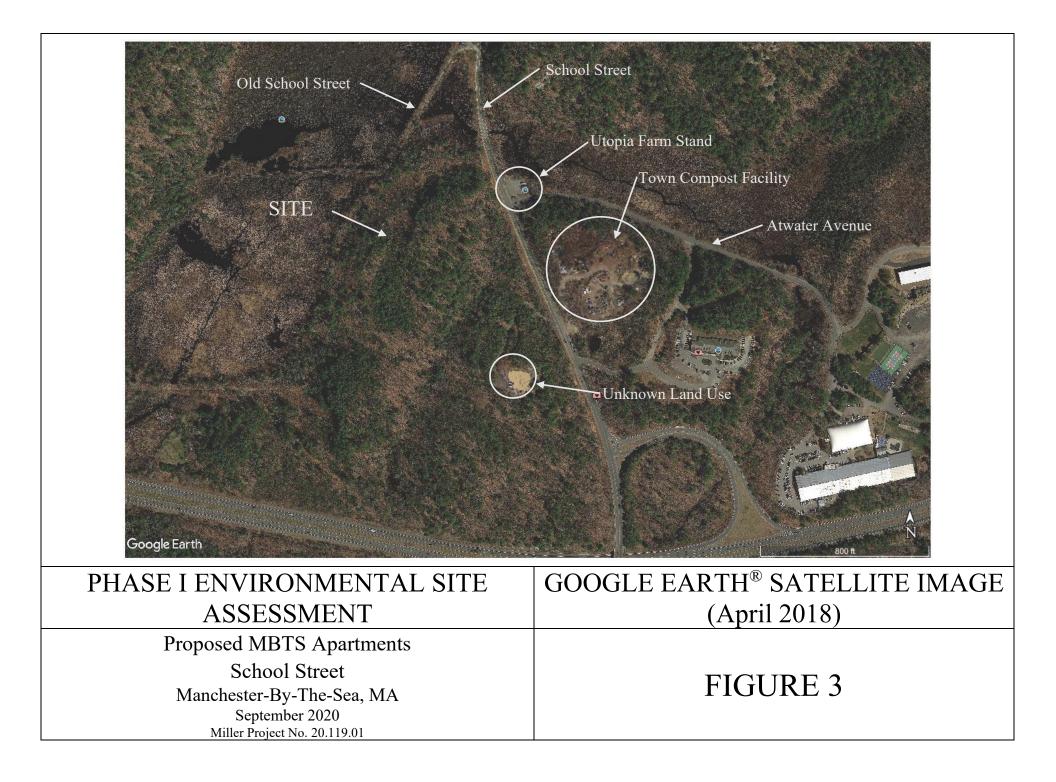
MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts

- Figure 1: Site Location Map
- Figure 2: Existing Conditions Plan
- Figure 3: Google Earth® Satellite Image (April 2018)





Source: "Existing Conditions, Assessors Map 43, Lot 18, School Street, Manchester By The Sea, MA" Sheet V-101 (dated 01/22/2020), as prepared by Allen & Major Associates, Inc. of Woburn, MA.



#### **APPENDICES**

#### PHASE I ENVIRONMENTAL SITE ASSESSMENT

MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts

- Appendix A: EDR Radius Map Report
- Appendix B: Phase I ESA User Questionnaire
- Appendix C: EDR Aerial Photograph Decade Package
- Appendix D: Historical Topographic Maps
- Appendix E: Supplemental Documentation
- Appendix F: Photograph Log

# **APPENDIX A**

# EDR Radius Map Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts SCHOOL ST SCHOOL ST MANCHESTER, MA 01944

Inquiry Number: 6180174.2s September 03, 2020

# The EDR Radius Map<sup>™</sup> Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

FORM-LBF-BCS

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#### **GEOCHECK ADDENDUM**

**GeoCheck - Not Requested** 

*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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# **EXECUTIVE SUMMARY**

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### ADDRESS

SCHOOL ST MANCHESTER, MA 01944

#### COORDINATES

Latitude (North):	42.5931010 - 42° 35' 35.16"
Longitude (West):	70.7682230 - 70° 46' 5.60''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	354921.7
UTM Y (Meters):	4716932.0
Elevation:	86 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: Version Date: 5644856 MARBLEHEAD NORTH, MA 2012

Southeast Map: 5642632 GLOUCESTER, MA Version Date: 2012

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from:	20140712
Source:	USDA

#### Target Property Address: SCHOOL ST MANCHESTER, MA 01944

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BEVERLY HOSPITAL	195 SCHOOL ST	HW GEN	Lower	99, 0.019, NE
A2	BEVERLY HOSPITAL	195 SCHOOL ST	RCRA-VSQG, FINDS, ECHO	Lower	99, 0.019, NE
B3	HALL & EMSLIE INC	10 ATWATER AVE	HW GEN	Lower	233, 0.044, NE
B4	HALL & EMSLIE INC	10 ATWATER AVE	RCRA-VSQG	Lower	233, 0.044, NE
5	RESIDENCE	3 CURRIER RD	SHWS, RELEASE	Lower	3562, 0.675, SSW
6	RESIDENCE	156 PINE ST	SHWS, INST CONTROL, RELEASE, ENF	Lower	4301, 0.815, WSW
7	AT SUMMER ST	50 BROOK ST	SHWS, RELEASE	Lower	4699, 0.890, South
8	MA DPW	PINE ST	SHWS, RELEASE	Lower	5060, 0.958, WSW

# **EXECUTIVE SUMMARY**

#### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

#### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	- Federal Superfund Liens

#### Federal Delisted NPL site list

Delisted NPL\_\_\_\_\_ National Priority List Deletions

#### Federal CERCLIS list

FEDERAL FACILITY\_\_\_\_\_\_ Federal Facility Site Information listing SEMS\_\_\_\_\_\_ Superfund Enterprise Management System

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE...... Superfund Enterprise Management System Archive

#### Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### Federal RCRA generators list

RCRA-LQG\_\_\_\_\_RCRA - Large Quantity Generators RCRA-SQG\_\_\_\_\_RCRA - Small Quantity Generators

#### Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
US ENG CONTROLS	Engineering Controls Sites List
	Institutional Controls Sites List

## Federal ERNS list

ERNS..... Emergency Response Notification System

# State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facility Database/Transfer Stations

## State and tribal leaking storage tank lists

LUST	Leaking Underground Storage Tank Listing
LAST	Leaking Aboveground Storage Tank Sites
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

#### State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
UST	_ Summary Listing of all the Tanks Registered in the State of Massachusetts
AST	Aboveground Storage Tank Database
INDIAN UST	. Underground Storage Tanks on Indian Land

## State and tribal institutional control / engineering control registries

INST CONTROL..... Sites With Activity and Use Limitation

## State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

## State and tribal Brownfields sites

BROWNFIELDS..... Completed Brownfields Covenants Listing

## ADDITIONAL ENVIRONMENTAL RECORDS

# Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

#### Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

## Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contaminated Sites Listing

#### Local Land Records

LIENS\_\_\_\_\_ Liens Information Listing

LIENS 2\_\_\_\_\_ CERCLA Lien Information

# Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Historical Spill List
RELEASE	Reportable Releases Database
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	. SPILLS 80 data from FirstSearch

# Other Ascertainable Records

RCRA NonGen / NLR	. RCRA - Non Generators / No Longer Regulated
	Formerly Used Defense Sites
	Department of Defense Sites
	State Coalition for Remediation of Drycleaners Listing
	. Financial Assurance Information
EPA WATCH LIST	
2020 COR ACTION	. 2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
	_ Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
	Potentially Responsible Parties
	PCB Activity Database System
	Integrated Compliance Information System
FTTS	- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
MLTS	_ Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
	Coal Combustion Residues Surface Impoundments List
	. PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
	Aerometric Information Retrieval System Facility Subsystem
US MINES	
ABANDONED MINES	
FINDS	. Facility Index System/Facility Registry System
	- Hazardous Waste Compliance Docket Listing
	Enforcement & Compliance History Information
	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
AIRS	
ASBESTOS	
	Regulated Drycleaning Facilities
ENF	
Financial Assurance	- Financial Assurance Information Listing

GWDP	Ground Water Discharge Permits
	Mercury Product Recyling Drop-Off Locations Listing
NPDES	NPDES Permit Listing
TIER 2	Tier 2 Information Listing
TSD	TSD Facility
UIC	Underground Injection Control Listing
MINES MRDS	Mineral Resources Data System

#### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR MGP	EDR Proprietary Manufactured Gas Plants
	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

#### EDR RECOVERED GOVERNMENT ARCHIVES

#### Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

# STANDARD ENVIRONMENTAL RECORDS

#### Federal RCRA generators list

RCRA-VSQG: RCRAInfo 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/23/2020 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEVERLY HOSPITAL	195 SCHOOL ST	NE 0 - 1/8 (0.019 mi.)	A2	8

EPA ID:: MAR000504233

HALL & EMSLIE INC	10 ATWATER AVE	NE 0 - 1/8 (0.044 mi.)	B4	12
EPA ID:: MAV000011177				

## State- and tribal - equivalent CERCLIS

SHWS: Contains information on releases of oil and hazardous materials that have been reported to DEP.

A review of the SHWS list, as provided by EDR, and dated 06/24/2020 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>RESIDENCE</b> Release Tracking Number: 3-0031336 Current Status: RAO	3 CURRIER RD	SSW 1/2 - 1 (0.675 mi.)	5	13
RESIDENCE Release Tracking Number: 3-0027520 Current Status: PSC	156 PINE ST	WSW 1/2 - 1 (0.815 mi.)	6	14
AT SUMMER ST Release Tracking Number: 3-0014131 Current Status: DPS	50 BROOK ST	S 1/2 - 1 (0.890 mi.)	7	22
MA DPW Release Tracking Number: 3-0013104 Current Status: RAO	PINE ST	WSW 1/2 - 1 (0.958 mi.)	8	23

## ADDITIONAL ENVIRONMENTAL RECORDS

## Other Ascertainable Records

HW GEN: Permanent generator identification numbers for all Massachusetts generators of hazardous waste and waste oil that have registered with or notified MassDEP of their hazardous waste activities.

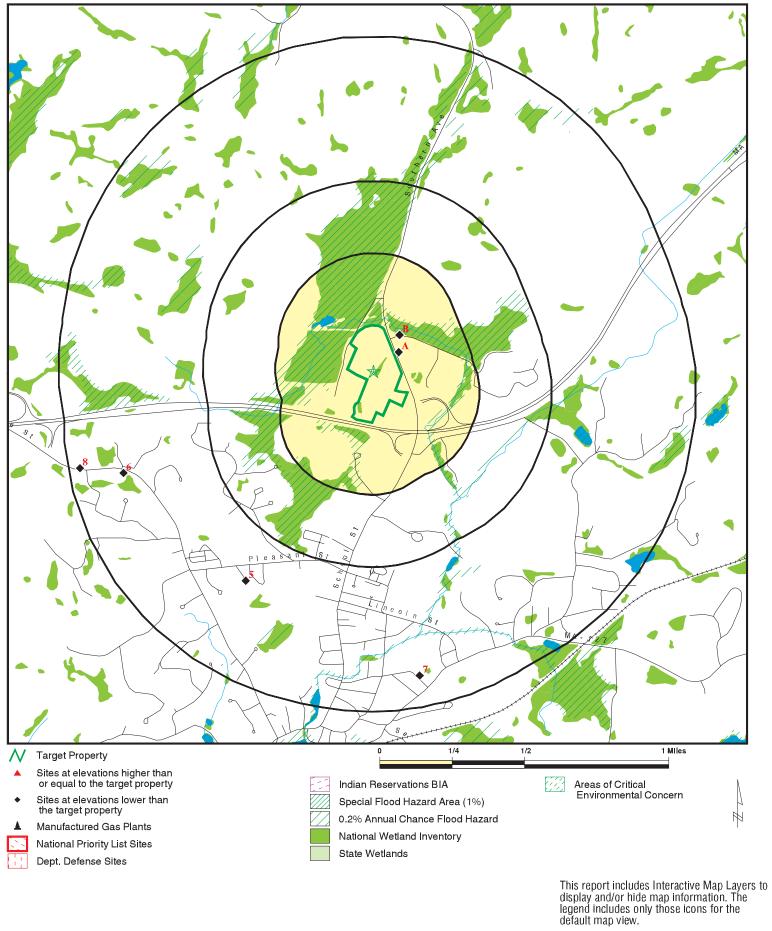
A review of the HW GEN list, as provided by EDR, and dated 03/13/2020 has revealed that there are 2 HW GEN sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEVERLY HOSPITAL EPA Id: MAR000504233	195 SCHOOL ST	NE 0 - 1/8 (0.019 mi.)	A1	8
HALL & EMSLIE INC State Generator Status: VQG-MA EPA Id: MAV000011177	10 ATWATER AVE	NE 0 - 1/8 (0.044 mi.)	B3	11

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

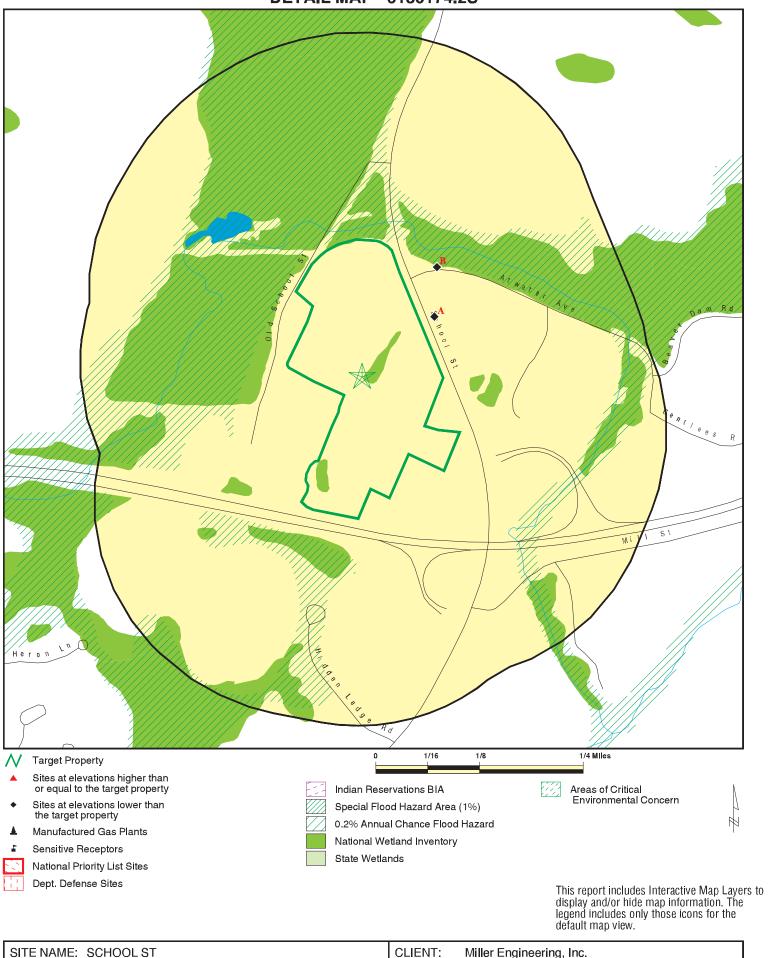
Site Name	Database(s)
NO LOCATION AID	SHWS, RELEASE
NO LOCATION AID	SHWS, RELEASE
NO LOCATION AID	SHWS, RELEASE
UTILITY POLE NO 1	SHWS, RELEASE

# **OVERVIEW MAP - 6180174.2S**



SITE NAME: SCHOOL ST	CLIENT: Miller Engineering, Inc.
ADDRESS: SCHOOL ST	CONTACT: Kenneth Milender
MANCHESTER MA 01944	INQUIRY #: 6180174.2s
LAT/LONG: 42.593101 / 70.768223	DATE: September 03, 2020 3:52 pm

**DETAIL MAP - 6180174.2S** 



DDRESS:	SCHOOL ST SCHOOL ST MANCHESTER MA 01944 42.593101 / 70.768223	CONTACT: INQUIRY #:	Miller Engineering, Inc. Kenneth Milender 6180174.2s September 03, 2020 3:53 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC		ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR		facilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato								
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 2	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 2
Federal institutional cor engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equive	alent CERCLI	S						
SHWS	1.000		0	0	0	4	NR	4
State and tribal landfill a solid waste disposal sit								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank	lists						
LUST LAST INDIAN LUST	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
State and tribal register		nk lists	-	-	-			-
FEMA UST	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institution control / engineering control / engin		es						
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntar	y cleanup sit	es						
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfic	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	NTAL RECORD	s						
		_						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
US HIST CDL US CDL PFAS	TP TP 0.500		NR NR 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS LIENS 2	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Records of Emergency	Release Repo	orts						
HMIRS SPILLS RELEASE SPILLS 90 SPILLS 80	TP TP TP TP TP		NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR NR	NR NR NR NR	0 0 0 0
Other Ascertainable Rec	cords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST	0.250 1.000 1.000 0.500 TP TP		0 0 0 NR NR	0 0 0 NR NR	NR 0 0 NR NR	NR 0 NR NR NR	NR NR NR NR NR	0 0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
	0.050							
2020 COR ACTION TSCA	0.250 TP		0 NR	0 NR	NR NR	NR NR	NR NR	0 0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	õ
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA LEAD SMELTERS	0.500 TP		0 NR	0 NR	0 NR	NR NR	NR NR	0 0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	õ
UXO	1.000		0	0	0	0	NR	Õ
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GWDP	TP		NR	NR	NR	NR	NR	0
HW GEN	0.250		2	0	NR	NR	NR	2
MERCURY	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
TSD UIC	0.500 TP					NR	NR	0
MINES MRDS	TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
			INIX	INIX	ININ	INIT		0
EDR HIGH RISK HISTORIC	AL RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS RGA LUST	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
- Totals		0	4	0	0	4	0	8

# NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
A1 NE < 1/8 0.019 mi. 99 ft.	BEVERLY HOSPITAL 195 SCHOOL ST MANCHESTER, MA 01944 Site 1 of 2 in cluster A		HW GEN	S112554363 N/A
Relative: Lower Actual: 62 ft.	HW GEN: Name: Address: City,State,Zip: EPA Id: RCRA Generator Status: State Generator Status:	BEVERLY HOSPITAL 195 SCHOOL ST MANCHESTER, MA 01944 MAR000504233 VSQG Not reported		
A2 NE < 1/8 0.019 mi. 99 ft.	BEVERLY HOSPITAL 195 SCHOOL ST MANCHESTER, MA 01944 Site 2 of 2 in cluster A		RCRA-VSQG FINDS ECHO	1005905259 MAR000504233
Relative: Lower Actual: 62 ft.	RCRA-VSQG: Date form received by agency Facility name: Facility address: EPA ID: Contact: Contact: Contact address:	BEVERLY HOSPITAL 195 SCHOOL ST MANCHESTER, MA 01944 MAR000504233 MAUREEN FREDETTE 195 SCHOOL ST		
	Contact country: Contact telephone: Contact email: EPA Region: Land type: Classification: Description:	MANCHESTER BY THE SEA, MA 01944 US 978-774-4400 Not reported 01 Private Conditionally Exempt Small Quantity Generator Handler: generates 100 kg or less of hazardous wa month, and accumulates 1000 kg or less of hazardous was month, and accumulates 1000 kg or less of hazardous was month, and accumulates at any time: 1 kg or less o waste; or 100 kg or less of any residue or contamin other debris resulting from the cleanup of a spill, int land or water, of acutely hazardous waste; or gener of any residue or contaminated soil, waste or other from the cleanup of a spill, into or on any land or wa hazardous waste during any calendar month, and a time: 1 kg or less of acutely hazardous waste; or 10 any residue or contaminated soil, waste or other de the cleanup of a spill, into or on any land or water, of hazardous waste	bus waste at any time; te per calendar f acutely hazardous ated soil, waste or o or on any rates 100 kg or less debris resulting ater, of acutely accumulates at any 00 kg or less of bris resulting from	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension:	BEVERLY HOSPITAL 195 SCHOOL ST MANCHESTER BY THE SEA, MA 01944 US Not reported Not reported Not reported Not reported Not reported		

Database(s)

EDR ID Number EPA ID Number

# **BEVERLY HOSPITAL (Continued)**

Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	Private Operator 2002-02-19 00:00:00. Not reported
Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator Type: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	BEVERLY HOSPITAL 195 SCHOOL ST MANCHESTER BY THE SEA, MA 01944 US Not reported Not reported Not reported Not reported Private Owner 1900-01-01 00:00:00. Not reported
Handler Activities Summary: U.S. importer of hazardous wa Mixed waste (haz. and radioad Recycler of hazardous waste: Transporter of hazardous was Treater, storer or disposer of H Underground injection activity: On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to burnet Used oil Specification marketer	ctive): No No te: No HW: No No No No No No No No

No

No

SR - 30.314(1)

Hazardous Waste Summary:

Used oil transfer facility:

Used oil transporter:

Waste code:	D011
Waste name:	SILVER

Facility Has Received Notices of Violations:

Regulation violated:	SR - 30.340(1)(j)
Area of violation:	Generators - General
Date violation determined:	2002-12-16 00:00:00.0
Date achieved compliance:	2003-04-24 00:00:00.0
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	2003-01-30 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:

# TC6180174.2s Page 9

#### 1005905259

Database(s)

EDR ID Number EPA ID Number

#### **BEVERLY HOSPITAL (Continued)**

Area of violation: Generators - Manifest Date violation determined: 2002-12-16 00:00:00.0 2003-04-24 00:00:00.0 Date achieved compliance: Violation lead agency: State Enforcement action: WRITTEN INFORMAL Enforcement action date: 2003-01-30 00:00:00.0 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Not reported Final penalty amount: Not reported Paid penalty amount: Regulation violated: SR - 30.682 Area of violation: Generators - General Date violation determined: 2002-12-16 00:00:00.0 2003-04-24 00:00:00.0 Date achieved compliance: Violation lead agency: State Enforcement action: WRITTEN INFORMAL Enforcement action date: 2003-01-30 00:00:00.0 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: SR - 30.685(1) Area of violation: Generators - General Date violation determined: 2002-12-16 00:00:00.0 2003-04-24 00:00:00.0 Date achieved compliance: Violation lead agency: State Enforcement action: WRITTEN INFORMAL Enforcement action date: 2003-01-30 00:00:00.0 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: SR - 30.353(3) Area of violation: Generators - General Date violation determined: 2002-12-16 00:00:00.0 2003-04-24 00:00:00.0 Date achieved compliance: Violation lead agency: State WRITTEN INFORMAL Enforcement action: Enforcement action date: 2003-01-30 00:00:00.0 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date:

2003-04-24 00:00:00.0

**B**3

NE

< 1/8 0.044 mi.

233 ft.

Relative: Lower

Actual:

EPA Id:

RCRA Generator Status:

State Generator Status:

52 ft.

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

#### **BEVERLY HOSPITAL (Continued)**

Evaluation: COMPLIANCE SCHEDULE EVALUATION Area of violation: Not reported Not reported Date achieved compliance: Evaluation lead agency: State 2002-12-16 00:00:00.0 Evaluation date: COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: Generators - General 2003-04-24 00:00:00.0 Date achieved compliance: Evaluation lead agency: State Evaluation date: 2002-12-16 00:00:00.0 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: Generators - Manifest Date achieved compliance: 2003-04-24 00:00:00.0 Evaluation lead agency: State FINDS: Registry ID: 110063921350 Click Here: Environmental Interest/Information System: RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. MA-EPICS - Massachussetts Environmental Protection Integrated Computer System Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report. ECHO: 1005905259 Envid: Registry ID: 110063921350 DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110063921350 Name: **BEVERLY HOSPITAL** 195 SCHOOL ST Address: MANCHESTER, MA 01944 City,State,Zip: HALL & EMSLIE INC HW GEN **10 ATWATER AVE** MANCHESTER, MA 01944 Site 1 of 2 in cluster B HW GEN: HALL & EMSLIE INC Name: Address: **10 ATWATER AVE** City,State,Zip: MANCHESTER, MA 01944-1287

MAV000011177

VSQG

VQG-MA

N/A

S113410062

Database(s)

EDR ID Number EPA ID Number

B4 NE < 1/8 0.044 mi.	HALL & EMSLIE INC 10 ATWATER AVE MANCHESTER, MA 01944	RCRA-VSQG	1024885074 MAV000011177
233 ft.	Site 2 of 2 in cluster B		
233 ft. Relative: Lower Actual: 52 ft.	RCRA-VSQG: Date form received by agency: 1 Facility name: Facility address: EPA ID: Mailing address: Contact: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description: M Contact email: Contact	ALL & EMSLIE INC 0 ATWATER AVE MANCHESTER, MA 01944-1287 MAV000011177 NTWATER AVE MANCHESTER, MA 01944-1287 Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported	
		ne cleanup of a spill, into or on any land or water, of acutely azardous waste	
	Handler Activities Summary: U.S. importer of hazardous wast Mixed waste (haz. and radioactiv Recycler of hazardous waste: Transporter of hazardous waste: Treater, storer or disposer of HW Underground injection activity: On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil fuel marketer to burner: Used oil refiner: Used oil fuel marketer to burner: Used oil fuel marketer to burner: Used oil fuel marketer to burner: Used oil transfer facility: Used oil transporter:	te: No ve): No No : No V: No No No No No No No No No No No No No N	
	Violation Status: N	lo violations found	

Database(s)

EDR ID Number EPA ID Number

5 SSW 1/2-1 0.675 mi. 3562 ft.	RESIDENCE 3 CURRIER RD MANCHESTER BY THE SEA, MA 01944		SHWS RELEASE	S113411708 N/A
Relative: Lower Actual: 77 ft.	SHWS: Name: Address: City,State,Zip: Facility ID: Source Type: Release Town: Notification Date: Category: Associated ID: Current Status: Status Date: Phase: Response Action Outcome: Oil Or Haz Material:	RESIDENCE 3 CURRIER RD MANCHESTER BY THE SEA, MA 01944-0000 3-0031336 Not reported MANCHESTER 01/16/2013 120 DY Not reported RAO 01/24/2013 Not reported A2 Oil and Hazardous Material		
	Release: Name: Address: City,State,Zip: Release Tracking Number/Current Status: Primary ID: Official City: Notification: Category: Status Date: Phase: Response Action Outcome: Oil / Haz Material Type:	RESIDENCE 3 CURRIER RD MANCHESTER BY THE SEA, MA 01944-0000 3-0031336 / RAO Not reported MANCHESTER 01/16/2013 120 DY 01/24/2013 Not reported A2 - A permanent solution has been achieved. been reduced to background. Oil and Hazardous Material	Contaminatio	n has not
	Click here to access the MA DEP site for th Actions: Action Type: Action Status: Action Date: Response Action Outcome: Action Status: Action Date: Response Action Outcome: Action Type: Action Status: Action Status: Action Date: Response Action Outcome:	his facility: RNFE Transmittal, Notice, or Notification Received 1/16/2013 A permanent solution has been achieved. Cont reduced to background. Release Disposition Reportable Release under MGL 21E 1/16/2013 A permanent solution has been achieved. Cont reduced to background. RNF Reportable Release under MGL 21E 1/16/2013 A permanent solution has been achieved. Cont reduced to background.	amination has	s not been

EDR ID Number Database(s) EPA ID Number

## S113411708

# **RESIDENCE** (Continued)

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	1/24/2013
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

# Chemicals:

Chemical:	ACENAPHTHENE
Quantity:	10.5 milligrams per kilogram
Chemical:	2-METHYLNAPHTHALENE
Quantity:	7.94 milligrams per kilogram
Chemical:	ACENAPHTHYLENE
Quantity:	11.4 milligrams per kilogram
Chemical:	NAPHTHALENE
Quantity:	7.9 milligrams per kilogram
Chemical:	C9 THRU C18 ALIPHATIC HYDROCARBONS
Quantity:	3810 milligrams per kilogram
Chemical:	C11 THRU C22 AROMATIC HYDROCARBONS
Quantity:	2672 milligrams per kilogram
-	

6 WSW 1/2-1 0.815 mi. 4301 ft.	RESIDENCE 156 PINE ST MANCHESTER, MA 01944		SHWS INST CONTROL RELEASE ENF	S110526298 N/A
Relative: Lower Actual: 60 ft.	SHWS: Name: Address: City,State,Zip: Facility ID: Source Type: Release Town: Notification Date: Category: Associated ID: Current Status: Status Date: Phase: Response Action Outcome: Oil Or Haz Material:	RESIDENCE 156 PINE ST MANCHESTER, MA 01944-0000 3-0027520 UNKNOWN MANCHESTER 02/22/2008 TWO HR Not reported PSC 02/29/2016 Not reported PA Hazardous Material		
	INST CONTROL: Name: Address: City,State,Zip: Release Tracking Number: Action Type: Action Stat: Action Date: Response Action Outcome: Name: Address: City,State,Zip: Release Tracking Number: Action Type:	RESIDENCE 156 PINE ST MANCHESTER, MA 01944-0000 3-0027520 AUL FEEREC 03/04/2016 PA - PA RESIDENCE 156 PINE ST MANCHESTER, MA 01944-0000 3-0027520 AUL		

Database(s)

EDR ID Number EPA ID Number

## **RESIDENCE** (Continued)

ESIDENCE (Continued)		
Action Stat: Action Date: Response Action Outcome:	LEGNOT 03/14/2016 PA - PA	
Name: Address: City,State,Zip: Release Tracking Number: Action Type: Action Stat: Action Date: Response Action Outcome:	RESIDENCI 156 PINE S MANCHEST 3-0027520 AUL RECPT 02/29/2016 PA - PA	
Name: Address: City,State,Zip: Release Tracking Number: Action Type: Action Stat: Action Date: Response Action Outcome:	3-0027520 AUL SNAUDI 05/15/2019	
Release:		
Name: Address: City,State,Zip: Release Tracking Number/Cu Primary ID: Official City: Notification: Category: Status Date: Phase: Response Action Outcome: Oil / Haz Material Type:		Not reported MANCHESTER 02/22/2008 TWO HR 02/29/2016 Not reported PA - PA Hazardous Material
Click here to access the MA E	DEP site for th	is facility:
Actions: Action Type: Action Status: Action Date: Response Action Outcome:		Immediate Response Action Imminent Hazard Evaluation Received 11/17/2008 PA
Action Type: Action Status: Action Date: Response Action Outcome:		Phase 2 Scope of Work Received 11/5/2009 PA
Action Type: Action Status: Action Date: Response Action Outcome:		A Notice sent to a Potentially Responsible Party (PRP) ALSENT 12/10/2008 PA
Action Type: Action Status:		Immediate Response Action Completion Statement Received

#### S110526298

Database(s)

EDR ID Number EPA ID Number

#### **RESIDENCE** (Continued)

Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome: PA RLFA FOLOFF 2/12/2010 PA

2/12/2010

Release Disposition Reportable Release under MGL 21E 2/22/2008 PA

Immediate Response Action IRA Assessment Only 2/22/2008 PA

Tier Classification Tier 1C Classification 2/23/2009 PA

Phase 1 Completion Statement Received 2/23/2009 PA

Tier Classification Transmittal, Notice, or Notification Received 2/23/2009 PA

RLFA FOLOFF 2/25/2008 PA

Tier Classification Legal Notice Published 2/28/2014 PA

RLFA FOLOFF 2/29/2008 PA

Activity and Use Limitation Transmittal, Notice, or Notification Received 2/29/2016 PA

Phase 4 Completion Statement Received 2/29/2016 PA

#### S110526298

Database(s) EPA

EDR ID Number EPA ID Number

S110526298

#### **RESIDENCE** (Continued)

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Phase 4 As-Built Construction Report Received 2/29/2016 PA

Response Action Outcome - RAO PSARCD 2/29/2016 PA

Immediate Response Action Status or Interim Report Received 2/9/2009 PA

Activity and Use Limitation Legal Notice Published 3/14/2016 PA

RLFA FOLOFF 3/15/2008 PA

RNF Reportable Release under MGL 21E 3/24/2008 PA

Release Disposition Reportable Release under MGL 21E 3/3/2008 PA

A Notice sent to a Potentially Responsible Party (PRP) A MassDEP piece of correspondence was issued (approvals, NORs, etc. 3/4/2008 PA

Activity and Use Limitation Fee Received - FMCRA Use Only 3/4/2016 PA

RLFA FLDRUN 4/10/2019 PA

A Notice sent to a Potentially Responsible Party (PRP) A MassDEP piece of correspondence was issued (approvals, NORs, etc. 4/11/2008 PA

RLFA FOLOFF

Database(s)

EDR ID Number EPA ID Number

#### **RESIDENCE** (Continued)

Action Date: 4/14/2008 Response Action Outcome: PA Action Type: RLFA FOLOFF Action Status: Action Date: 4/17/2008 Response Action Outcome: PA Action Type: Phase 4 Action Status: Written Plan Received 4/17/2012 Action Date: Response Action Outcome: PA Action Type: **Tier Classification** Action Status: Permit Extension Received Action Date: 4/2/2014 Response Action Outcome: PA Action Type: RLFA FLDD1U Action Status: Action Date: 4/3/2008 **Response Action Outcome:** PA Action Type: RLFA FOLOFF Action Status: Action Date: 4/30/2008 **Response Action Outcome:** PA Action Type: RLFA FOLOFF Action Status: Action Date: 4/4/2008 Response Action Outcome: PA Action Type: **Tier Classification** Permit Effective Date Action Status: Action Date: 4/7/2009 Response Action Outcome: PA Action Type: Phase 3 **Completion Statement Received** Action Status: 4/8/2011 Action Date: Response Action Outcome: PA Phase 2 Action Type: Action Status: **Completion Statement Received** Action Date: 4/8/2011 Response Action Outcome: PA Action Type: RLFA Action Status: FOLOFF Action Date: 5/1/2008 **Response Action Outcome:** PA Action Type: An activity type that is related to an Audit NAFNVD Action Status: Action Date: 5/15/2019 **Response Action Outcome:** PA

#### S110526298

Database(s)

EDR ID Number EPA ID Number

S110526298

#### **RESIDENCE** (Continued)

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

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Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Activity and Use Limitation Level II - Audit Inspection 5/15/2019 PA

Immediate Response Action Written Plan Received 6/10/2008 PA

RNF Reportable Release under MGL 21E 6/10/2008 PA

Immediate Response Action Imminent Hazard Evaluation Received 6/10/2008 PA

Compliance and Enforcement Action Interim Deadline Letter Issued 6/30/2008 PA

Immediate Response Action Written Approval of Plan 6/30/2008 PA

Immediate Response Action Modified Revised or Updated Plan Received 6/4/2009 PA

Compliance and Enforcement Action Interim Deadline Letter Issued 7/1/2008 PA

Immediate Response Action Written Denial of Plan 7/1/2008 PA

Immediate Response Action Imminent Hazard Evaluation Received 7/31/2008 PA

Immediate Response Action Written Plan Received 7/31/2008 PA

Immediate Response Action Status or Interim Report Received

Database(s)

EDR ID Number EPA ID Number

#### **RESIDENCE** (Continued)

Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Chemicals:

Chemical: Quantity: Location Type: Source:

8/11/2008 PA

Immediate Response Action Imminent Hazard Evaluation Received 8/11/2008 PA

Immediate Response Action Modified Revised or Updated Plan Received 8/29/2008 PA

Immediate Response Action Status or Interim Report Received 8/5/2009 PA

RLFA FOLOFF 9/9/2008 PA

BWS20 APPROV Not reported PA

BWS03 APPROV Not reported PA

LEAD 1700 milligrams per kilogram CHROMIUM 2000 micrograms per gallon CHROMIUM 2000 milligrams per kilogram LINDANE 0.085 milligrams per kilogram DIELDRIN 0.41 milligrams per kilogram LEAD 1800 parts per million ARSENIC 65 milligrams per kilogram CADMIUM 2.4 milligrams per kilogram LEAD 1800 milligrams per kilogram BENZO[A]PYRENE 3.2 milligrams per kilogram RESIDNTIAL UNKNOWN

# S110526298

Database(s)

EDR ID Number EPA ID Number

#### **RESIDENCE** (Continued)

ENFORCEMENT:

EMS\$:

**BROWN & BROWN, LLC** Name: Address: 156 PINE ST City,State,Zip: MANCHESTER, MA 01944-0000 Region: NERO **DEP Region:** NERO DEP Program: Зr DEP Bureau: BWSC Program: BWSC Program Id: 3-0027520 High Or Low Level Enforcement: LLE FMF #: 0 Comptroller Billing Name: Not reported Town Where Violation Occurred: Not reported Date Executed: 07/01/2008 ENF #: Faux Enf- 0333 Document Type: IDL AG Ref (Y/N): Not reported Doc Archived (Y/N): Not reported EJ Community (Y/N): Not reported **Regional Comment:** Not reported Final Payment Due Date: Not reported ACOP \$: Not reported PAN \$: Not reported EMS (Y/N): Not reported EMS\$: Not reported SEP (Y/N): Not reported SEP \$: Not reported Demand \$: Not reported Suspended \$: Not reported Ownership: Commercially Owned MANCHESTER-BY-THE-SEA, TOWN OF Name: Address: 156 PINE ST MANCHESTER, MA 01944-0000 City,State,Zip: Region: NERO **DEP Region:** NERO DEP Program: Зr DEP Bureau: BWSC BWSC Program: Program Id: 3-0027520 High Or Low Level Enforcement: LLE FMF #: 0 Comptroller Billing Name: Not reported Town Where Violation Occurred: Not reported Date Executed: 06/30/2008 ENF #: Faux Enf- 1215 Document Type: IDL AG Ref (Y/N): Not reported Doc Archived (Y/N): Not reported EJ Community (Y/N): Not reported **Regional Comment:** Not reported Not reported Final Payment Due Date: ACOP \$: Not reported PAN \$: Not reported EMS (Y/N): Not reported

Not reported

#### S110526298

#### Map ID Direction Distance Elevation Site

7 South

1/2-1

Lower

36 ft.

0.890 mi.

**RESIDENCE** (Continued)

SEP (Y/N):

Demand \$:

Ownership:

Suspended \$:

MANCHESTER, MA 01944

SEP \$:

AT SUMMER ST

**50 BROOK ST** 

MAP FINDINGS

Not reported

Not reported

Not reported

Not reported

Municipally Owned

Database(s)

EDR ID Number **EPA ID Number** 

# S110526298 SHWS S110526137 RELEASE N/A

4699 ft. **Relative:** SHWS: AT SUMMER ST Name: Address: 50 BROOK ST Actual: City,State,Zip: MANCHESTER, MA 01944-0000 Facility ID: 3-0014131 Source Type: Not reported Release Town: MANCHESTER Notification Date: 11/07/1996 Category: 120 DY Associated ID: Not reported Current Status: DPS 08/27/1996 Status Date: Phase: Not reported Response Action Outcome: Not reported Oil Or Haz Material: Oil and Hazardous Material Release: Name: AT SUMMER ST Address: 50 BROOK ST City,State,Zip: MANCHESTER, MA 01944-0000 Release Tracking Number/Current Status: 3-0014131 / DPS Primary ID: Not reported Official City: MANCHESTER Notification: 11/07/1996 Category: 120 DY Status Date: 08/27/1996 Phase: Not reported Response Action Outcome: Oil / Haz Material Type: Oil and Hazardous Material Click here to access the MA DEP site for this facility: Actions: Action Type: Action Status: Action Date: 11/7/1996 Response Action Outcome: Not reported

> Action Type: Action Status: Action Date: **Response Action Outcome:**

Action Type: Action Status: **Release Disposition** Reportable Release under MGL 21E

RNF Reportable Release under MGL 21E 11/7/1996 Not reported

**Downgradient Property Status** Transmittal, Notice, or Notification Received

Database(s)

EDR ID Number EPA ID Number

#### S110526137

#### AT SUMMER ST (Continued)

Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Chemicals:

Chemical: Quantity: Chemical: Quantity:

8/27/1996 Not reported

Downgradient Property Status Fee Received - FMCRA Use Only 8/28/1996 Not reported

ETHYLBENZENE 5.5 milligrams per liter TOLUENE 21 milligrams per kilogram TPH 0.026 milligrams per liter BENZENE 2 milligrams per liter CHLOROBENZENE 3.6 milligrams per kilogram **XYLENĚS** 28 milligrams per liter TPH 1.2 milligrams per kilogram BENZENE 19 milligrams per kilogram **XYLENES** 320 milligrams per kilogram TOLUENE 9.5 milligrams per liter ETHYLBENZENE 54 milligrams per kilogram

# 8 WSW 1/2-1 0.958 mi.

5060 ft. Relative:

Actual: 63 ft.

MA DPW PINE ST MANCHESTER, MA 01944

City,State,Zip:

Source Type: Release Town:

Notification Date:

Associated ID:

**Current Status:** 

**Response Action Outcome:** 

Oil Or Haz Material:

Status Date:

Phase:

Name:

Address:

City,State,Zip:

Facility ID:

Category:

SHWS:

Name: Address: MA DPW PINE ST MANCHESTER, MA 01944-0000 3-0013104 UNKNOWN MANCHESTER 11/01/1995 TWO HR Not reported RAO 09/13/1999 PHASE II R1 Oil and Hazardous Material MA DPW PINE ST

MANCHESTER, MA 01944-0000

SHWS S110684354 RELEASE N/A

Database(s)

EDR ID Number EPA ID Number

#### S110684354

#### MA DPW (Continued)

- Facility ID: Source Type: Release Town: Notification Date: Category: Associated ID: Current Status: Status Date: Phase: Response Action Outcome: Oil Or Haz Material:
- 3-0013104 WASTEPILE MANCHESTER 11/01/1995 TWO HR Not reported RAO 09/13/1999 PHASE II B1 Oil and Hazardous Material

Release:MA DPWName:MA DPWAddress:PINE STCity,State,Zip:MANCHESTER, MARelease Tracking Number/Current Status:3-0013104 / RAOPrimary ID:Not reportedOfficial City:MANCHESTERNotification:11/01/1995Category:TWO HRStatus Date:09/13/1999Phase:PHASE II

MA DPW PINE ST MANCHESTER, MA 01944-0000 s: 3-0013104 / RAO Not reported MANCHESTER 11/01/1995 TWO HR 09/13/1999 PHASE II B1 - Remedial actions have not been conducted because a level of No Significant Risk exists. Oil and Hazardous Material

Response Action Outcome:

Oil / Haz Material Type:

Click here to access the MA DEP site for this facility:

Actions:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Phase 2 Notice of Delay in Meeting RA Deadline Received 1/14/1999 Remedial actions have not been conducted because a level of No Significant Risk exists.

Tier Classification Transmittal, Notice, or Notification Received 1/17/1997 Remedial actions have not been conducted because a level of No Significant Risk exists.

Tier Classification Tier 2 Classification 1/17/1997 Remedial actions have not been conducted because a level of No Significant Risk exists.

Phase 1 Completion Statement Received 1/17/1997 Remedial actions have not been conducted because a level of No Significant Risk exists.

Tier Classification Legal Notice Published

EDR ID Number Database(s) EPA ID Number

S110684354

#### MA DPW (Continued)

Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome: 1/24/1997

Remedial actions have not been conducted because a level of No Significant Risk exists.

Utility-related Abatement Measure Completion Statement Received 10/1/1999 Remedial actions have not been conducted because a level of No Significant Risk exists.

Immediate Response Action IRA Assessment Only 11/1/1995 Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Disposition Reportable Release under MGL 21E 11/1/1995 Remedial actions have not been conducted because a level of No Significant Risk exists.

A Notice sent to a Potentially Responsible Party (PRP) A MassDEP piece of correspondence was issued (approvals, NORs, etc. 11/27/1995 Remedial actions have not been conducted because a level of No Significant Risk exists.

RNF Reportable Release under MGL 21E 12/28/1995 Remedial actions have not been conducted because a level of No Significant Risk exists.

A Notice sent to a Potentially Responsible Party (PRP) A MassDEP piece of correspondence was issued (approvals, NORs, etc. 12/6/1996 Remedial actions have not been conducted because a level of No Significant Risk exists.

RNF Reportable Release under MGL 21E 2/29/1996 Remedial actions have not been conducted because a level of No Significant Risk exists.

Phase 2 Scope of Work Received 4/3/1998 Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Disposition Reportable Release under MGL 21E 4/8/1996 Remedial actions have not been conducted because a level of No Significant Risk exists.

EDR ID Number Database(s) EPA ID Number

#### S110684354

#### MA DPW (Continued)

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Action Type: Action Status: Action Date: Response Action Outcome:

Chemicals: Chemical: Quantity: Location Type: Source: Source:

RLFA FOLOFF 7/28/1999 Remedial actions have not been conducted because a level of No Significant Risk exists.

Utility-related Abatement Measure Notice of Intent to Conduct a URAM 7/28/1999 Remedial actions have not been conducted because a level of No Significant Risk exists.

Utility-related Abatement Measure Notification of URAM Received 8/3/1999 Remedial actions have not been conducted because a level of No Significant Risk exists.

Response Action Outcome - RAO RAO Statement Received 9/13/1999 Remedial actions have not been conducted because a level of No Significant Risk exists.

2-BUTANONE 0.79 micrograms per gallon LEAD 31700 parts per million BENZO[A]PYRENE 3.1 micrograms per gallon TPH 25000 milligrams per kilogram LEAD 805 milligrams per kilogram UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL 2280 milligrams per kilogram **BENZ[A]ANTHRACENE** 3.8 micrograms per gallon BENZO[B]FLUORANTHENE 3 micrograms per gallon COMMERCIAL UNKNOWN WASTEPILE

Count: 4 records.

#### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MANCHESTER MANCHESTER MANCHESTER	S110684355	NO LOCATION AID NO LOCATION AID NO LOCATION AID		01944	SHWS, RELEASE SHWS, RELEASE SHWS, RELEASE
MANCHESTER BY THE SE	S117405649	UTILITY POLE NO 1	WALKER ROAD ADJ 26	01944	SHWS, RELEASE

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To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22 Source: EPA Telephone: N/A Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC) Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22 Source: EPA Telephone: N/A Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22 Source: EPA Telephone: N/A Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Quarterly

#### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019 Date Data Arrived at EDR: 04/05/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 39 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 07/02/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Varies

#### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates 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 the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The 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 potential NPL site.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57

Source: Environmental Protection Agency Telephone: (888) 372-7341 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

#### Federal RCRA generators list

## RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57

Source: Environmental Protection Agency Telephone: (888) 372-7341 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: (888) 372-7341 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators) RCRAInfo 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: (888) 372-7341 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

#### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/15/2020Source: Department of the NavyDate Data Arrived at EDR: 05/19/2020Telephone: 843-820-7326Date Made Active in Reports: 06/18/2020Last EDR Contact: 08/04/2020Number of Days to Update: 30Next Scheduled EDR Contact: 11/23/2020Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

#### US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020SDate Data Arrived at EDR: 02/20/2020TDate Made Active in Reports: 05/15/2020LNumber of Days to Update: 85N

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 08/24/2020 Next Scheduled EDR Contact: 12/07/2020 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2020 Date Data Arrived at EDR: 03/24/2020 Date Made Active in Reports: 06/18/2020 Number of Days to Update: 86 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

#### State- and tribal - equivalent CERCLIS

SHWS: Site Transition List

Contains information on releases of oil and hazardous materials that have been reported to DEP.

Date of Government Version: 06/24/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/25/2020	Telephone: 617-292-5990
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 06/25/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

#### State and tribal landfill and/or solid waste disposal site lists

#### SWF/LF: Solid Waste Facility Database/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/14/2020 Date Data Arrived at EDR: 04/03/2020 Date Made Active in Reports: 06/18/2020 Number of Days to Update: 76 Source: Department of Environmental Protection Telephone: 617-292-5989 Last EDR Contact: 07/02/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Annually

## LF PROFILES: Landfill Profiles Listing

This spreadsheet describes landfills that have actively accepted waste or have closed under MassDEP Solid Waste Regulations first adopted in 1971 (310 CMR 16.00 and 310 CMR 19.00). The list does not include landfills that closed before 1971 (and which never had a MassDEP permit or approval), or for which agency data is incomplete.

Date of Government Version: 07/01/2015 Date Data Arrived at EDR: 10/27/2015 Date Made Active in Reports: 12/14/2015 Number of Days to Update: 48 Source: Department of Environmental Protection Telephone: 617-292-5868 Last EDR Contact: 07/02/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Varies

#### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Listing

Sites within the Leaking Underground Storage Tank Listing that have a UST listed as its source.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 06/25/2020 Date Made Active in Reports: 06/26/2020	Source: Department of Environmental Protection Telephone: 617-292-5990 Last EDR Contact: 06/25/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites	
Sites within the Releases Database that have	e a AST listed as its source.
Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 06/25/2020 Date Made Active in Reports: 06/26/2020 Number of Days to Update: 1	Source: Department of Environmental Protection Telephone: 617-292-5500 Last EDR Contact: 06/25/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Quarterly
INDIAN LUST R8: Leaking Underground Storage LUSTs on Indian land in Colorado, Montana,	Tanks on Indian Land North Dakota, South Dakota, Utah and Wyoming.
Date of Government Version: 04/14/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies
INDIAN LUST R9: Leaking Underground Storage LUSTs on Indian land in Arizona, California,	
Date of Government Version: 04/08/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies
INDIAN LUST R7: Leaking Underground Storage LUSTs on Indian land in Iowa, Kansas, and I	
Date of Government Version: 04/15/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies
INDIAN LUST R6: Leaking Underground Storage LUSTs on Indian land in New Mexico and Ok	
Date of Government Version: 04/08/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies
INDIAN LUST R1: Leaking Underground Storage A listing of leaking underground storage tank	
Date of Government Version: 04/29/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies
INDIAN LUST R10: Leaking Underground Storage LUSTs on Indian land in Alaska, Idaho, Oreg	
Date of Government Version: 04/14/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.		
Date of Government Version: 04/14/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84	Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies	
INDIAN LUST R4: Leaking Underground Storage T LUSTs on Indian land in Florida, Mississippi ar		
Date of Government Version: 04/14/2020 Date Data Arrived at EDR: 05/26/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 78	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies	
State and tribal registered storage tank lists		
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground stora	age tanks.	
Date of Government Version: 02/01/2020 Date Data Arrived at EDR: 03/19/2020 Date Made Active in Reports: 06/09/2020 Number of Days to Update: 82	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 07/06/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Varies	
UST: Summary Listing of all the Tanks Registered in the State of Massachusetts Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.		
Date of Government Version: 07/02/2020 Date Data Arrived at EDR: 07/08/2020 Date Made Active in Reports: 07/27/2020 Number of Days to Update: 19	Source: Department of Fire Services, Office of the Public Safety Telephone: 617-556-1035 Last EDR Contact: 07/08/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Quarterly	
AST: Aboveground Storage Tank Database Registered Aboveground Storage Tanks.		
Date of Government Version: 02/18/2020 Date Data Arrived at EDR: 04/14/2020 Date Made Active in Reports: 07/01/2020 Number of Days to Update: 78	Source: Department of Public Safety Telephone: 617-556-1035 Last EDR Contact: 07/17/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: No Update Planned	
AST 2: Aboveground Storage Tanks Aboveground storage tanks		
Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 06/25/2020 Date Made Active in Reports: 06/26/2020 Number of Days to Update: 1	Source: Department of Fire Services Telephone: 978-567-3181 Last EDR Contact: 06/24/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Varies	

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

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Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

#### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84 Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84 Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/23/2020 Next Scheduled EDR Contact: 11/01/2020 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 84 Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020 Date Data Arrived at EDR: 05/26/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 78 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/24/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

INST CONTROL: Sites With Activity and Use Limitation

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 06/24/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/25/2020	Telephone: 617-292-5990
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 06/25/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

#### State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

#### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source
Date Data Arrived at EDR: 09/29/2015	Teleph
Date Made Active in Reports: 02/18/2016	Last E
Number of Days to Update: 142	Next S

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/17/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Varies

#### State and tribal Brownfields sites

#### BROWNFIELDS: Completed Brownfields Covenants Listing

Under Massachusetts law, M.G.L. c. 21E is the statute that governs the cleanup of releases of oil and/or hazardous material to the environment. The Brownfields Act of 1998 amended M.G.L. c. 21E by establishing significant liability relief and financial incentives to spur the redevelopment of brownfields, while ensuring that the Commonwealth's environmental standards are met. Most brownfields are redeveloped with the benefit of liability protections that operate automatically under M.G.L. c. 21E.

Date of Government Version: 04/05/2017 Date Data Arrived at EDR: 08/03/2017 Date Made Active in Reports: 10/10/2017 Number of Days to Update: 68 Source: Office of the Attorney General Telephone: 617-963-2423 Last EDR Contact: 07/31/2020 Next Scheduled EDR Contact: 11/09/2020 Data Release Frequency: Annually

#### BROWNFIELDS 2: Potential Brownfields Listing

A listing of potential brownfields site locations in the state.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 07/31/2019 Date Made Active in Reports: 09/25/2019 Number of Days to Update: 56 Source: Department of Environmental Protection Telephone: 617-556-1007 Last EDR Contact: 07/31/2020 Next Scheduled EDR Contact: 11/09/2020 Data Release Frequency: Varies

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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 takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020 Date Data Arrived at EDR: 06/02/2020 Date Made Active in Reports: 06/09/2020 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 06/02/2020 Next Scheduled EDR Contact: 09/28/2020 Data Release Frequency: Semi-Annually

#### Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/21/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Varies

#### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004	Source: Environmental Protection Agency
Date Made Active in Reports: 09/17/2004	Telephone: 800-424-9346 Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/14/2020
Number of Days to Update: 137	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: No Update Planned

#### IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Serivces, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/31/2020
Number of Days to Update: 176	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020 Date Data Arrived at EDR: 03/19/2020 Date Made Active in Reports: 06/09/2020 Number of Days to Update: 82 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 08/19/2020 Next Scheduled EDR Contact: 12/07/2020 Data Release Frequency: No Update Planned

#### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site 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. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020 Date Data Arrived at EDR: 03/19/2020 Date Made Active in Reports: 06/09/2020 Number of Days to Update: 82 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 08/19/2020 Next Scheduled EDR Contact: 12/07/2020 Data Release Frequency: Quarterly

PFAS: PFAS Contaminated Sites Listing

Detection of Per- and Polyfluoroalkyl Substances (PFAS) in drinking water.

Date of Government Version: 03/26/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/31/2020	Telephone: 617-292-6770
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Varies

#### Local Land Records

LIENS: Liens Information Listing

A listing of environmental liens.

Date of Government Version: 03/07/2018 Date Data Arrived at EDR: 03/09/2018 Date Made Active in Reports: 06/21/2018 Number of Days to Update: 104 Source: Department of Environmental Protection Telephone: 617-292-5628 Last EDR Contact: 08/11/2020 Next Scheduled EDR Contact: 11/30/2020 Data Release Frequency: Varies

#### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Semi-Annually

#### **Records of Emergency Release Reports**

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

#### MA SPILLS: Historical Spill List

The Spills Database was the release notification tracking system 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 Reportable Releases or Sites Transition List databases.

Date of Government Version: 09/30/1993 Date Data Arrived at EDR: 12/03/2003 Date Made Active in Reports: 12/31/2003 Number of Days to Update: 28 Source: Department of Environmental Protection Telephone: 617-292-5720 Last EDR Contact: 12/03/2003 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### **RELEASE:** Reportable Releases

Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 06/24/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/25/2020	Telephone: 617-292-5990
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 06/25/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

#### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/08/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/10/1998	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/05/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### Other Ascertainable Records

#### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: (888) 372-7341 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/13/2020 Date Data Arrived at EDR: 05/18/2020 Date Made Active in Reports: 08/12/2020 Number of Days to Update: 86 Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 08/13/2020 Next Scheduled EDR Contact: 11/30/2020 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Semi-Annually

#### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019 Number of Days to Update: 574 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/06/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: N/A

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 08/05/2020 Next Scheduled EDR Contact: 11/23/2020 Data Release Frequency: Varies

#### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/24/2020 Date Made Active in Reports: 06/18/2020 Number of Days to Update: 86 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 07/31/2020 Next Scheduled EDR Contact: 11/16/2020 Data Release Frequency: Quarterly

#### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 08/06/2020 Next Scheduled EDR Contact: 11/16/2020 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 198 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 06/17/2020 Next Scheduled EDR Contact: 09/28/2020 Data Release Frequency: Every 4 Years

#### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-566-0250
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 08/14/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Annually

#### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 03/01/2020 Date Data Arrived at EDR: 04/21/2020 Date Made Active in Reports: 07/15/2020 Number of Days to Update: 85 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 07/21/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 09/14/2020 Data Release Frequency: Annually

#### RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/31/2020 Date Data Arrived at EDR: 05/13/2020 Date Made Active in Reports: 08/03/2020 Number of Days to Update: 82 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 07/15/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

#### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

#### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019 Date Data Arrived at EDR: 10/11/2019 Date Made Active in Reports: 12/20/2019 Number of Days to Update: 70 Source: EPA Telephone: 202-566-0500 Last EDR Contact: 07/13/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25 Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 07/20/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 06/05/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019 Number of Days to Update: 251 Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 08/31/2020 Next Scheduled EDR Contact: 12/14/2020 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/06/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/16/2020 Data Release Frequency: Varies

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019 Number of Days to Update: 84 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 06/24/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing

EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.
Date of Government Version: 10/19/2006 Source: Environmental Protection Agency
Talacharas, 202,524,2504

Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020 Date Data Arrived at EDR: 01/28/2020	Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 07/27/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

#### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

periodically by United States District Courts after settlement by parties to intigation matters.		
Date of Government Version: 06/30/2020 Date Data Arrived at EDR: 07/15/2020 Date Made Active in Reports: 07/21/2020 Number of Days to Update: 6	Source: Department of Justice, Consent Decree Library Telephone: Varies Last EDR Contact: 07/06/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Varies	
BRS: Biennial Reporting System The Biennial Reporting System is a national system administered by the EPA that collects data on the gene and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Gener and Treatment, Storage, and Disposal Facilities.		
Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017 Number of Days to Update: 218	Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Biennially	
INDIAN RESERV: Indian Reservations This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.		
Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017 Number of Days to Update: 546	Source: USGS Telephone: 202-208-3710 Last EDR Contact: 07/07/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Semi-Annually	
FUSRAP: Formerly Utilized Sites Remedial Action Program DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operat		
Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018 Number of Days to Update: 3	Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 07/28/2020 Next Scheduled EDR Contact: 11/16/2020 Data Release Frequency: Varies	
Uranium ore was mined by private companies shut down, large piles of the sand-like materia the ore. Levels of human exposure to radioad	s for federal government use in national defense programs. When the mills al (mill tailings) remain after uranium has been extracted from ctive materials from the piles are low; however, in some cases tailings re potential health hazards of the tailings were recognized.	
	<ul> <li>Date of Government Version: 06/30/2020</li> <li>Date Data Arrived at EDR: 07/15/2020</li> <li>Date Made Active in Reports: 07/21/2020</li> <li>Number of Days to Update: 6</li> <li>RS: Biennial Reporting System</li> <li>The Biennial Reporting System is a national s and management of hazardous waste. BRS of and Treatment, Storage, and Disposal Faciliti</li> <li>Date of Government Version: 12/31/2015</li> <li>Date Data Arrived at EDR: 02/22/2017</li> <li>Date Made Active in Reports: 09/28/2017</li> <li>Number of Days to Update: 218</li> <li>IDIAN RESERV: Indian Reservations</li> <li>This map layer portrays Indian administered I than 640 acres.</li> <li>Date of Government Version: 12/31/2014</li> <li>Date Data Arrived at EDR: 07/14/2015</li> <li>Date Made Active in Reports: 01/10/2017</li> <li>Number of Days to Update: 546</li> <li>JSRAP: Formerly Utilized Sites Remedial Action DOE established the Formerly Utilized Sites Fradioactive contamination remained from Mar Date of Government Version: 08/08/2017</li> <li>Date Data Arrived at EDR: 09/11/2018</li> <li>Date Made Active in Reports: 09/14/2018</li> <li>Number of Days to Update: 3</li> </ul>	

Date of Government Version: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020 Number of Days to Update: 74

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 08/21/2020 Next Scheduled EDR Contact: 11/30/2020 Data Release Frequency: Varies

#### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020 Date Data Arrived at EDR: 08/03/2020 Date Made Active in Reports: 08/25/2020 Number of Days to Update: 22 Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 08/03/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Varies

#### LEAD SMELTER 2: Lead Smelter Sites

Number of Days to Update: 78

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36	Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned	
US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS) The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.		
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually	
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.		
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually	
MINES VIOLATIONS: MSHA Violation Assessment Data Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.		
Date of Government Version: 05/28/2020 Date Data Arrived at EDR: 05/28/2020 Date Made Active in Reports: 08/13/2020 Number of Days to Update: 77	Source: DOL, Mine Safety & Health Admi Telephone: 202-693-9424 Last EDR Contact: 08/26/2020 Next Scheduled EDR Contact: 12/14/2020 Data Release Frequency: Quarterly	
US MINES: Mines Master Index File Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.		
Date of Government Version: 05/01/2020 Date Data Arrived at EDR: 05/21/2020 Date Made Active in Reports: 08/13/2020 Number of Days to Update: 84	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 08/25/2020 Next Scheduled EDR Contact: 12/07/2020 Data Release Frequency: Semi-Annually	
US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.		
Date of Government Version: 05/06/2020 Date Data Arrived at EDR: 05/27/2020 Date Made Active in Reports: 08/13/2020	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 08/28/2020	

Next Scheduled EDR Contact: 12/07/2020

Data Release Frequency: Varies

#### US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97 Source: USGS Telephone: 703-648-7709 Last EDR Contact: 08/28/2020 Next Scheduled EDR Contact: 12/07/2020 Data Release Frequency: Varies

#### ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by 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 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.

Date of Government Version: 03/05/2020 Date Data Arrived at EDR: 03/06/2020 Date Made Active in Reports: 05/29/2020 Number of Days to Update: 84 Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/01/2020 Next Scheduled EDR Contact: 12/21/2020 Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020 Date Data Arrived at EDR: 03/03/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 86 Source: EPA Telephone: (617) 918-1111 Last EDR Contact: 08/26/2020 Next Scheduled EDR Contact: 12/14/2020 Data Release Frequency: Quarterly

#### ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/02/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

#### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 74 Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018 Number of Days to Update: 71	Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 08/19/2020 Next Scheduled EDR Contact: 12/07/2020 Data Release Frequency: Varies
FUELS PROGRAM: EPA Fuels Program Register This listing includes facilities that are register Programs. All companies now are required to	ed under the Part 80 (Code of Federal Regulations) EPA Fuels
Date of Government Version: 05/18/2020 Date Data Arrived at EDR: 05/19/2020 Date Made Active in Reports: 08/03/2020 Number of Days to Update: 76	Source: EPA Telephone: 800-385-6164 Last EDR Contact: 08/17/2020 Next Scheduled EDR Contact: 11/30/2020 Data Release Frequency: Quarterly
AIRS: Permitted Facilities Listing A listing of Air Quality permit applications.	
Date of Government Version: 04/10/2020 Date Data Arrived at EDR: 04/14/2020 Date Made Active in Reports: 07/01/2020 Number of Days to Update: 78	Source: Department of Environmental Protection Telephone: 617-292-5789 Last EDR Contact: 07/08/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Varies
ASBESTOS: Asbestos Notification Listing Asbestos sites	
Date of Government Version: 05/08/2020 Date Data Arrived at EDR: 05/08/2020 Date Made Active in Reports: 07/22/2020 Number of Days to Update: 75	Source: Department of Environmental Protection Telephone: 617-292-5982 Last EDR Contact: 08/11/2020 Next Scheduled EDR Contact: 11/30/2020 Data Release Frequency: Varies
DRYCLEANERS: Regulated Drycleaning Facilities A listing of Department of Environmental Pro under the Environmental Results Program.	s tection regulated drycleaning facilities that use perchloroethylene
Date of Government Version: 07/02/2020 Date Data Arrived at EDR: 07/08/2020 Date Made Active in Reports: 07/28/2020 Number of Days to Update: 20	Source: Department of Environmental Protection Telephone: 617-292-5633 Last EDR Contact: 07/08/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Varies
ENFORCEMENT: Enforcement Action Cases A listing of enforcement action cases tracked Waste and Hazardous Waste.	by Department of Environmental Protection programs, including Solid
Date of Government Version: 04/17/2020 Date Data Arrived at EDR: 04/20/2020 Date Made Active in Reports: 07/07/2020 Number of Days to Update: 78	Source: Department of Environmental Quality Telephone: 617-292-5979 Last EDR Contact: 07/21/2020 Next Scheduled EDR Contact: 11/09/2020 Data Release Frequency: Varies

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/01/2010 Date Data Arrived at EDR: 12/23/2010 Date Made Active in Reports: 02/03/2011 Number of Days to Update: 42 Source: Department of Environmental Protection Telephone: 617-292-5970 Last EDR Contact: 09/01/2020 Next Scheduled EDR Contact: 12/21/2020 Data Release Frequency: Varies

#### Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 07/02/2020	Source: Office of State Fire Marshal
Date Data Arrived at EDR: 07/08/2020	Telephone: 978-567-3100
Date Made Active in Reports: 07/27/2020	Last EDR Contact: 07/08/2020
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Varies

#### Financial Assurance 3: Financial Assurance Information listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 01/16/2018 Date Data Arrived at EDR: 04/17/2018 Date Made Active in Reports: 06/15/2018 Number of Days to Update: 59 Source: Department of Environmental Protection Telephone: 617-292-5970 Last EDR Contact: 07/14/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Varies

#### GWDP: Ground Water Discharge Permits

The Ground Water Discharge Permits datalayer (formerly known as Groundwater Discharge Points) is a statewide point dataset containing approximate locations of permitted discharges to groundwater.

Date of Government Version: 04/01/2020	Source: MassGIS
Date Data Arrived at EDR: 04/28/2020	Telephone: 617-556-1150
Date Made Active in Reports: 07/14/2020	Last EDR Contact: 07/31/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Varies

#### HW GEN: List of Massachusetts Hazardous Waste Generators

Permanent generator identification numbers for all Massachusetts generators of hazardous waste and waste oil that have registered with or notified MassDEP of their hazardous waste activities.

Date of Government Version: 03/13/2020	Source: Department of Environmental Protection	
Date Data Arrived at EDR: 03/24/2020	Telephone: 617-292-5500	
Date Made Active in Reports: 06/03/2020	Last EDR Contact: 06/23/2020	
Number of Days to Update: 71	Next Scheduled EDR Contact: 10/05/2020	
	Data Release Frequency: Semi-Annually	

#### MERCURY: Mercury Product Recyling Drop-Off Locations Listing

A listing of locations, collecting and recycling for mercury-added products. Mercury is toxic to the human nervous system, as well as fish and animals. Mercury can enter the body either through skin absorption or through inhalation of mercury vapors. At room temperature, small beads of mercury will vaporize.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 31

Source: Department of Environmental Protection Telephone: 617-292-5632 Last EDR Contact: 08/11/2020 Next Scheduled EDR Contact: 11/30/2020 Data Release Frequency: Varies

N	NPDES: NPDES Permit Listing Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.			
	Date of Government Version: 01/07/2020 Date Data Arrived at EDR: 02/11/2020 Date Made Active in Reports: 04/21/2020 Number of Days to Update: 70	Source: Department of Environmental Protection Telephone: 508-767-2781 Last EDR Contact: 08/14/2020 Next Scheduled EDR Contact: 11/23/2020 Data Release Frequency: Varies		
Т	IER 2: Tier 2 Information Listing A listing of facilities which store or manufacture	e hazardous materials and submit a chemical inventory report		
	Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/25/2019 Date Made Active in Reports: 07/16/2019 Number of Days to Update: 82	Source: Massachusetts Emergency Management Agency Telephone: 508-820-2019 Last EDR Contact: 08/13/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Annually		
Т	SD: TSD Facility List of Licensed Hazardous Waste Treatment,	Storage Disposal Facilities (TSDFs) in Massachusetts.		
	Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/31/2020 Date Made Active in Reports: 06/18/2020 Number of Days to Update: 79	Source: Department of Environmental Protection Telephone: 617-292-5580 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Varies		
U	IC: Underground Injection Control Listing A list of UIC registration data and their location	s		
	Date of Government Version: 09/26/2019 Date Data Arrived at EDR: 09/27/2019 Date Made Active in Reports: 12/02/2019 Number of Days to Update: 66	Source: Department of Environmental Protection Telephone: 617-566-1172 Last EDR Contact: 08/04/2020 Next Scheduled EDR Contact: 11/23/2020 Data Release Frequency: Varies		
Ρ	CS INACTIVE: Listing of Inactive PCS Permits An inactive permit is a facility that has shut dow	vn or is no longer discharging.		
	Date of Government Version: 11/05/2014 Date Data Arrived at EDR: 01/06/2015 Date Made Active in Reports: 05/06/2015 Number of Days to Update: 120	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Semi-Annually		
Ρ	CS ENF: Enforcement data No description is available for this data			
	Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015 Number of Days to Update: 29	Source: EPA Telephone: 202-564-2497 Last EDR Contact: 07/01/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Varies		
N	IINES MRDS: Mineral Resources Data System Mineral Resources Data System			
	Date of Government Version: 04/06/2018 Date Data Arrived at EDR: 10/21/2019 Date Made Active in Reports: 10/24/2019 Number of Days to Update: 3	Source: USGS Telephone: 703-648-6533 Last EDR Contact: 08/28/2020 Next Scheduled EDR Contact: 12/07/2020 Data Release Frequency: Varies		

#### PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/29/2011 Number of Days to Update: 55 Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 06/08/2020 Next Scheduled EDR Contact: 09/21/2020 Data Release Frequency: Semi-Annually

#### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR RECOVERED GOVERNMENT ARCHIVES

#### **Exclusive Recovered Govt. Archives**

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013 Number of Days to Update: 176 Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/12/2020	Source
Date Data Arrived at EDR: 05/12/2020	Telepł
Date Made Active in Reports: 07/27/2020	Last E
Number of Days to Update: 76	Next S
	Data F

Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 08/10/2020 Next Scheduled EDR Contact: 11/23/2020 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019 Number of Days to Update: 36

Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/29/2020	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2020	Last EDR Contact: 07/31/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/19/2019 Date Made Active in Reports: 09/10/2019 Number of Days to Update: 53	Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Annually
RI MANIFEST: Manifest information Hazardous waste manifest information	
Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 10/02/2019 Date Made Active in Reports: 12/10/2019 Number of Days to Update: 69	Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 08/11/2020 Next Scheduled EDR Contact: 11/30/2020 Data Release Frequency: Annually
VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.	
Date of Government Version: 10/28/2019 Date Data Arrived at EDR: 10/29/2019 Date Made Active in Reports: 01/09/2020 Number of Days to Update: 72	Source: Department of Environmental Conservation Telephone: 802-241-3443 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Annually
WI MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019 Number of Days to Update: 76	Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 09/02/2020 Next Scheduled EDR Contact: 12/21/2020 Data Release Frequency: Annually
Oil/Gas Pipelines Source: Endeavor Business Media Petroleum Bundle (Crude Oil, Refined Products, I	Petrochemicals, Gas Liquids (LPG/NGL), and Specialty

Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

#### Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes Source: National Institutes of Health Telephone: 301-594-6248 Information on Medicare and Medicaid certified nursing homes in the United States. Public Schools Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states. Private Schools Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: MassDEP Telephone: 617-292-5907

Areas of Critical Environmental Concern Datalayer: The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### STREET AND ADDRESS INFORMATION

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### **APPENDIX B**

Phase I ESA User Questionnaire

PHASE I ENVIRONMENTAL SITE ASSESSMENT MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts

### User Questionnaire ASTM E 1527-13 Phase I Environmental Site Assessment

In order to qualify for one of Landowner Liability Protections (LLP) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user of this Phase I Environmental Site Assessment must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Site Name: 0 School Street (Manchester Parcel 43-0-18), Manchester-By-The-Sea, Massachusetts

Miller Project No. 20.119.01

Environmental Professional: Kenneth W. Milender

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

Yes\_\_\_\_\_ No\_\_X\_\_\_ (if Yes, provide additional information on attachment)

2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)

Are you aware of any 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 in a registry under federal, tribal, state or local law?

Yes\_\_\_\_\_ No\_\_X\_\_\_ (if Yes, provide additional information on attachment)

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)

As the user of this ESA 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 chemicals and processes used by this type of business?

Yes\_\_\_\_\_ No\_\_X\_\_\_ (if Yes, provide additional information on attachment)

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? 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?

Yes\_X\_\_\_ No\_\_\_\_ (if No, provide additional information on attachment)

- **5.** Commonly known or reasonably ascertainable information about the property (40 CFR 312.30) 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, as a user,
  - a) Do you know the past uses of the property? Yes X No
  - b) Do you know of specific chemicals that are present or once were present at the property?

Yes\_\_\_\_ No\_X\_\_\_

c) Do you know of spills or other chemical releases that have taken place at the property?

Yes\_\_\_\_ No\_\_X\_\_\_

d) Do you know of any environmental cleanups that have taken place at the property?

Yes\_\_\_\_ No\_X\_\_\_

(If Yes for any of these questions, provide additional information on attachment)

6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31) As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

Yes\_\_\_\_\_ No\_X\_\_\_\_ (if Yes, provide additional information on attachment)

### User:

The following user was interviewed to complete this questionnaire:

Name: Mr. Geoffrey Engler

Title: Owner

Firm: <u>SLV School Street, LLC</u>

Relationship to Site: <u>Prospective Purchaser</u>

### **Interviewer:**

The following Miller staff completed the interview:

Name: Kenneth W. Milender Date: 09/14/2020

### **APPENDIX C**

EDR Aerial Photograph Decade Package

PHASE I ENVIRONMENTAL SITE ASSESSMENT MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts

## **MBTS Apartments**

School Street Manchester, MA 01944

Inquiry Number: 6120693.1 July 14, 2020

# The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

# EDR Aerial Photo Decade Package

### Site Name:

#### Client Name:

MBTS Apartments School Street Manchester, MA 01944 EDR Inquiry # 6120693.1

### Miller Engineering, Inc. 100 Sheffield Road Manchester, NH 03108 Contact: Ken Milender



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search	Results:			
Year	Scale	Details	Source	
2016	1"=500'	Flight Year: 2016	USDA/NAIP	
2012	1"=500'	Flight Year: 2012	USDA/NAIP	
2008	1"=500'	Flight Year: 2008	USDA/NAIP	
1995	1"=500'	Acquisition Date: March 29, 1995	USGS/DOQQ	
1986	1"=500'	Flight Date: April 01, 1986	USDA	
1978	1"=500'	Flight Date: April 23, 1978	USGS	
1969	1"=500'	Flight Date: April 09, 1969	USGS	
1960	1"=500'	Flight Date: May 19, 1960	USGS	
1952	1"=500'	Flight Date: August 26, 1952	USDA	
1938	1"=500'	Flight Date: November 10, 1938	USGS	

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

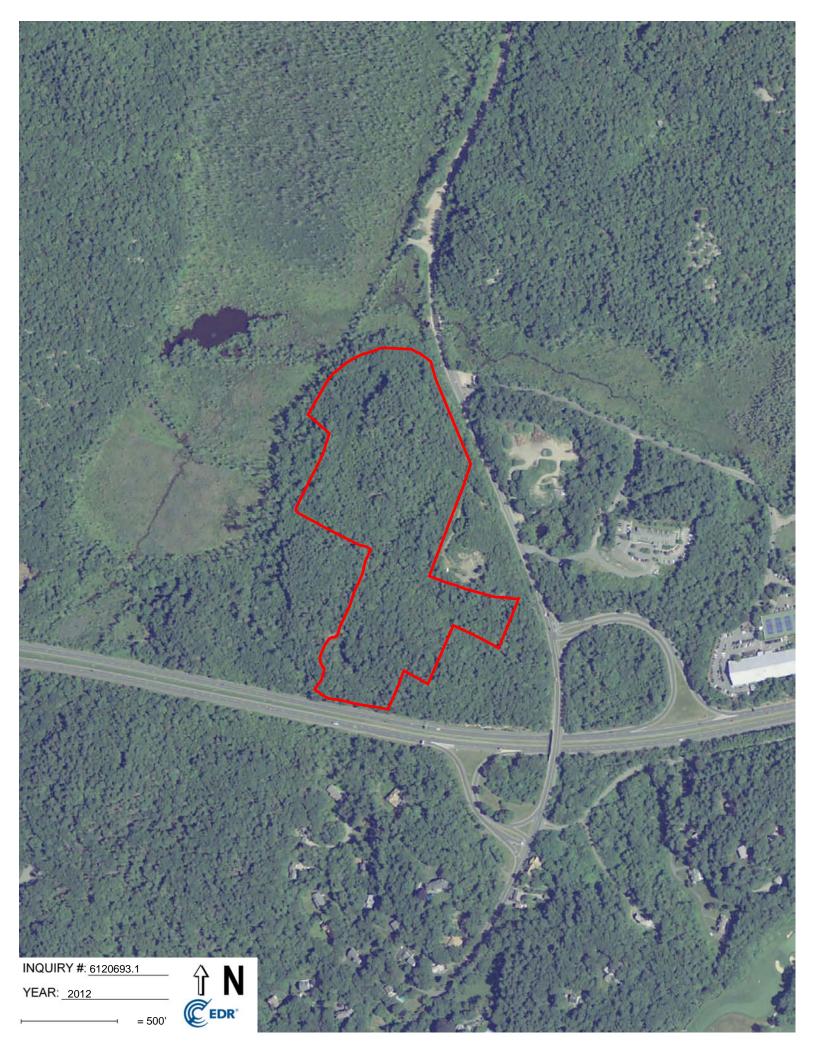
#### **Disclaimer - Copyright and Trademark Notice**

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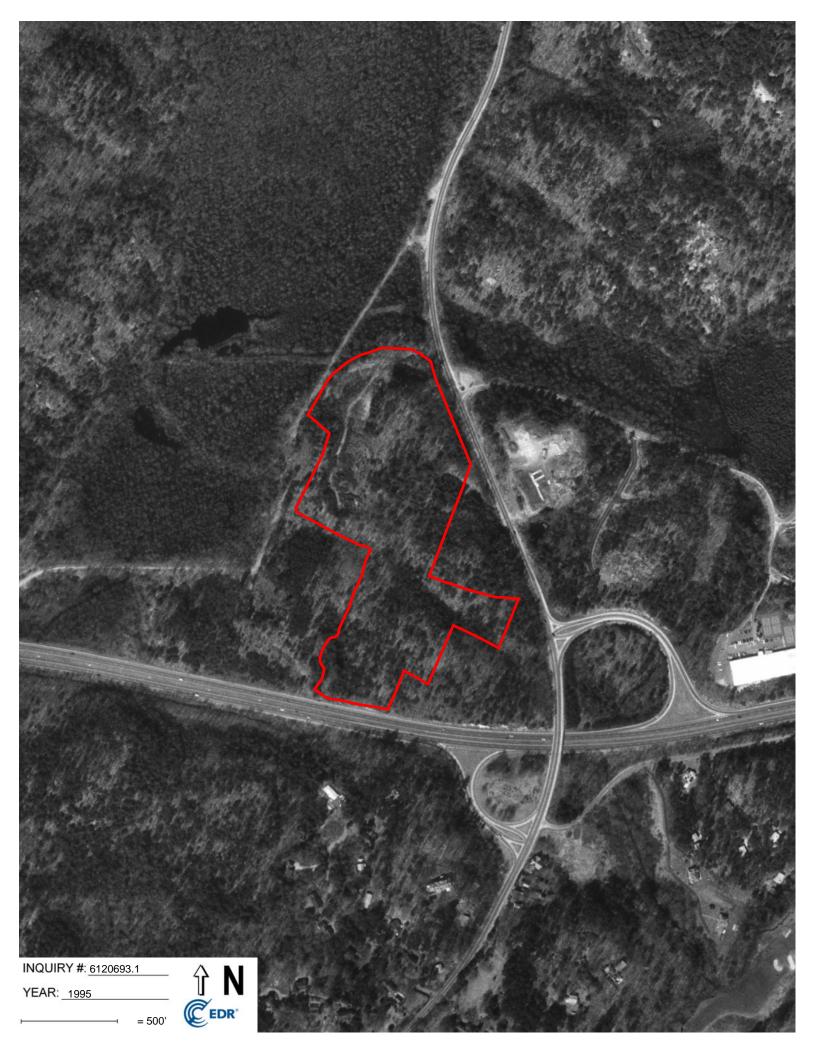
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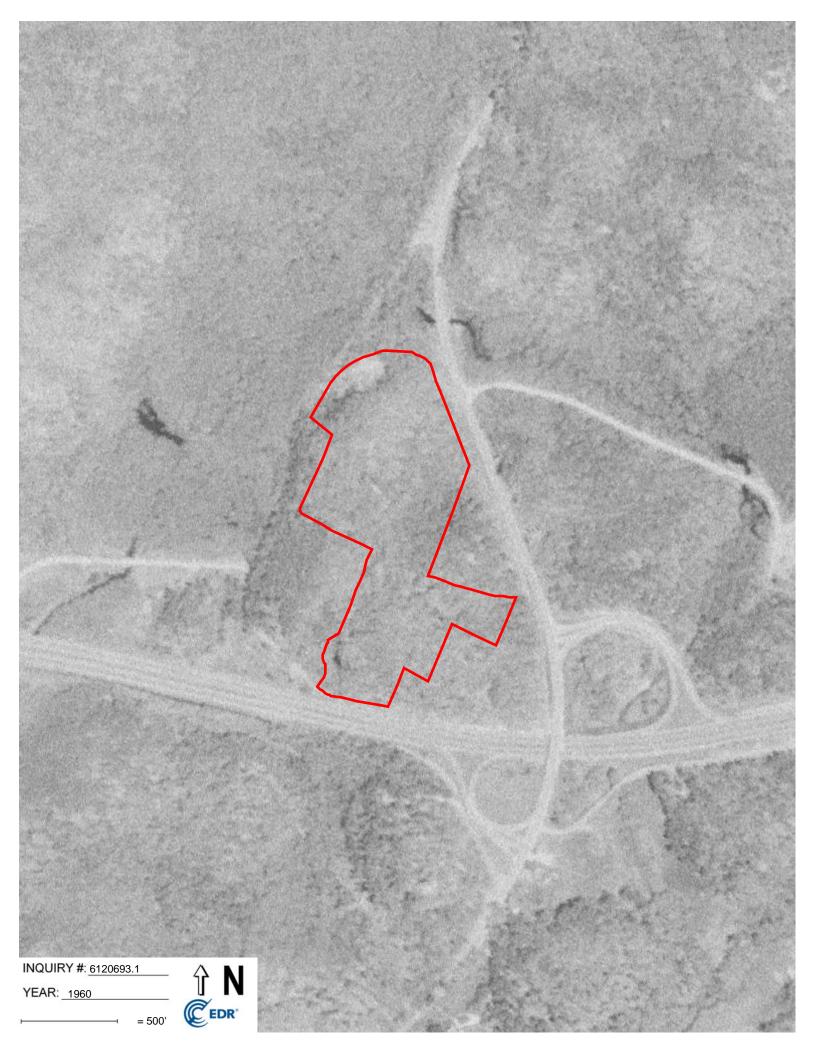


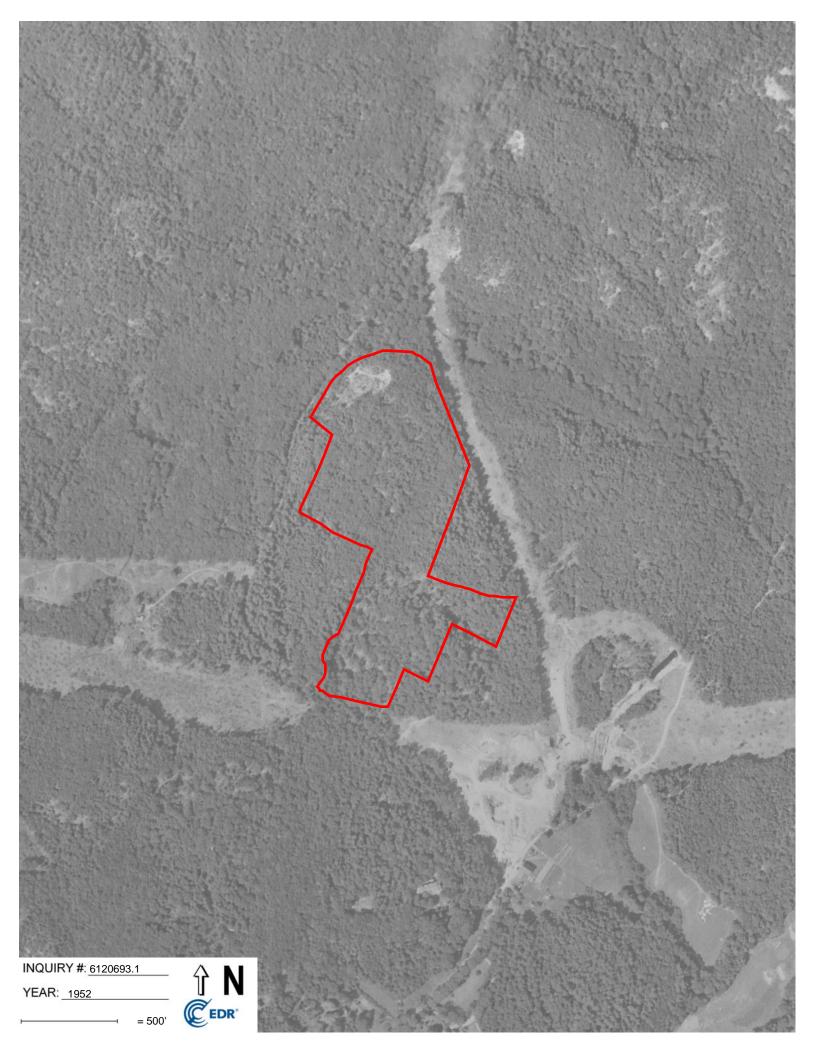










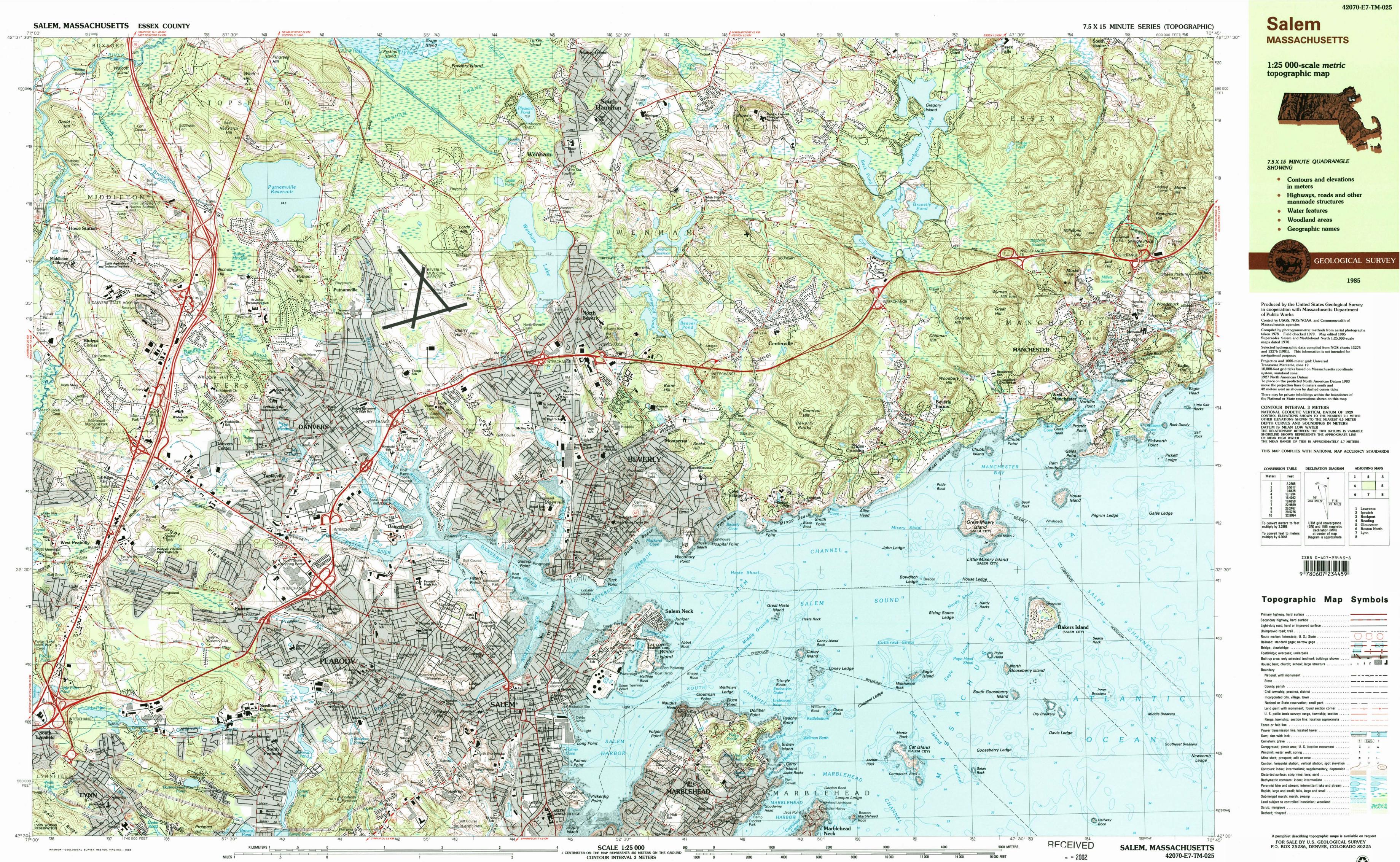


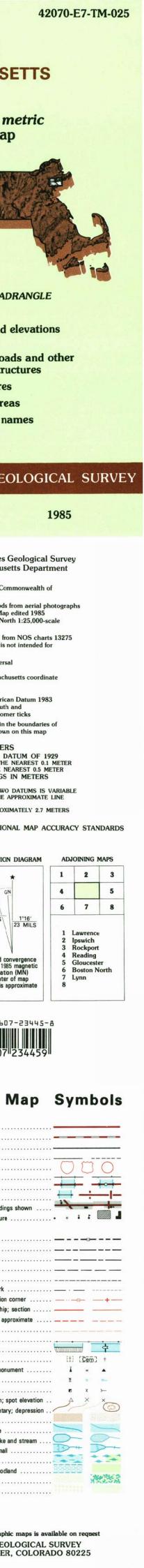


# **APPENDIX D**

# Historical Topographic Maps

PHASE I ENVIRONMENTAL SITE ASSESSMENT MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts





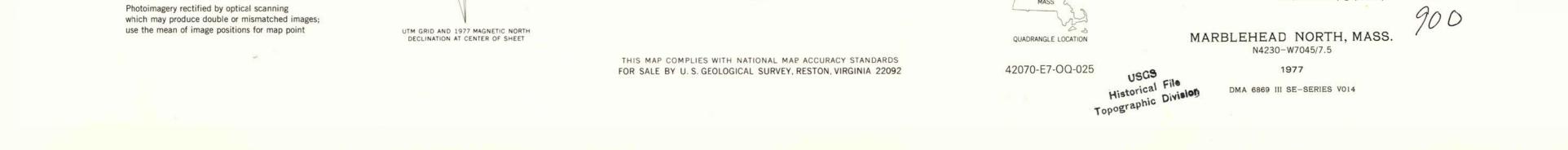
Topographi	ic Map S	1
ropograpii	io map o	

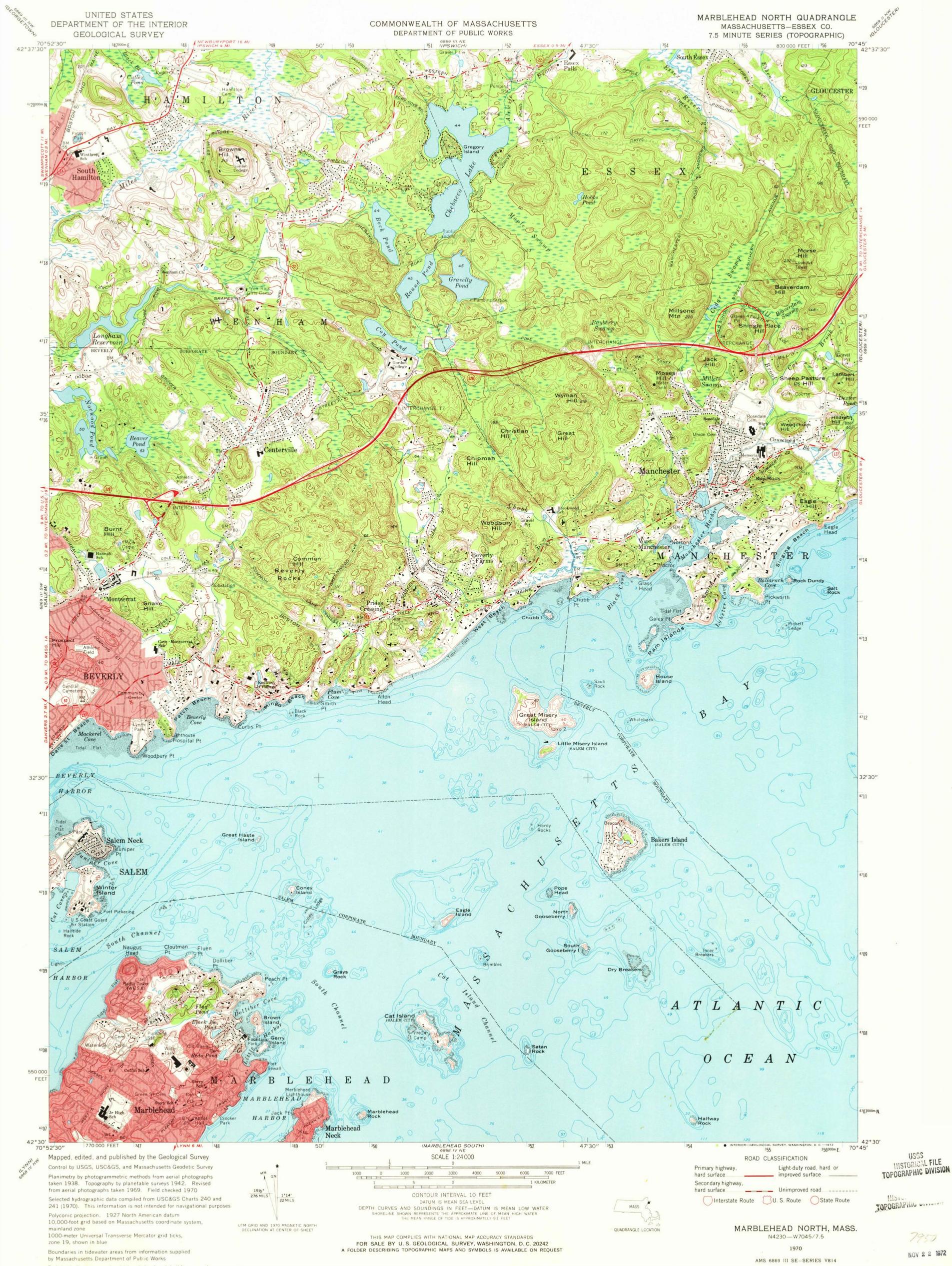
Primary highway, hard surface	-
Secondary highway, hard surface	
ight-duty road, hard or improved surface	
Jnimproved road; trail	
Route marker: Interstate; U. S.; State	$\bigcirc$
Railroad: standard gage; narrow gage	
Bridge; drawbridge	
Footbridge; overpass; underpass	+++
Built-up area: only selected landmark buildings shown	
House; barn; church; school; large structure	• •
Boundary:	
National, with monument	
State	
County, parish	
Civil township, precinct, district	
Incorporated city, village, town	
National or State reservation; small park	
Land grant with monument; found section corner	
U. S. public lands survey: range, township; section	
Range, township; section line: location approximate	
Fence or field line	
Power transmission line, located tower	
Dam; dam with lock	annun
Cemetery; grave	(f)
Campground; picnic area; U. S. location monument	X
Windmill; water well; spring	ž
Mine shaft; prospect; adit or cave	
Control: horizontal station; vertical station; spot elevation	A
Contours: index; intermediate; supplementary; depression	~
Distorted surface: strip mine, lava; sand	1055356
Bathymetric contours: index; intermediate	
Perennial lake and stream; intermittent lake and stream $\ldots$ .	
Rapids, large and small; falls, large and small	20
Submerged marsh; marsh, swamp	
and subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	

1985

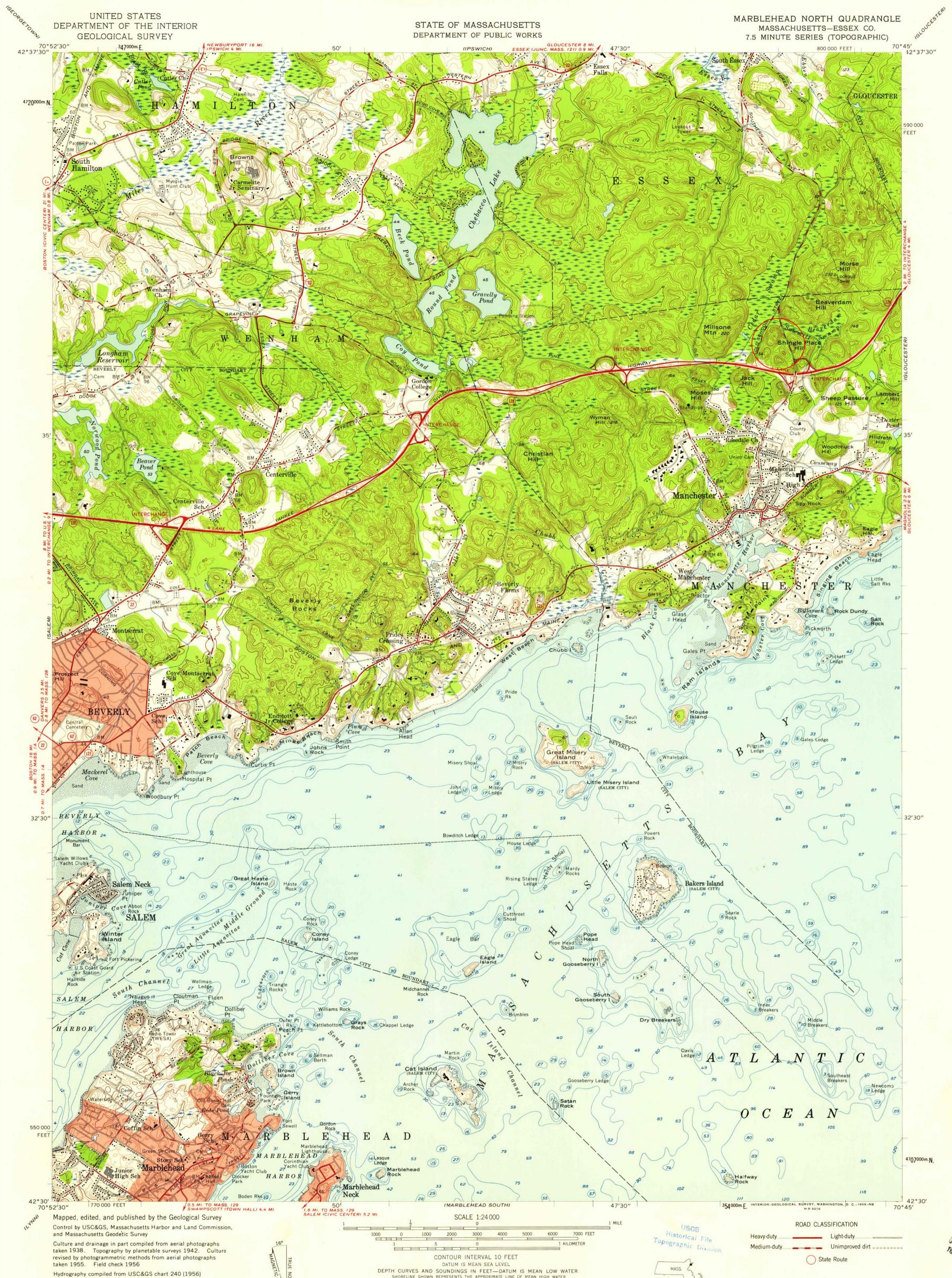
USGS NMD STORICAL MAP ARCHIVES







Red tint indicates areas in which only landmark buildings are shown



taken 1955. Field check 1956

12

APPROXIMATE MEAN

DECLINATION, 1956

NOR

Hydrography compiled from USC&GS chart 240 (1956)

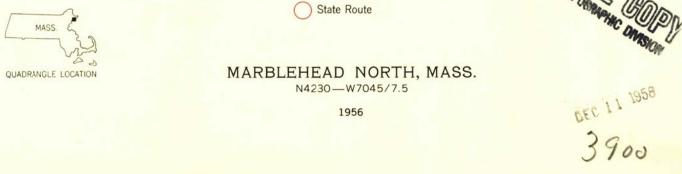
Polyconic projection. 1927 North American datum 10,000-foot grid based on Massachusetts (Mainland) coordinate system 1000-meter Universal Transverse Mercator grid ticks, zone 19, shown in blue

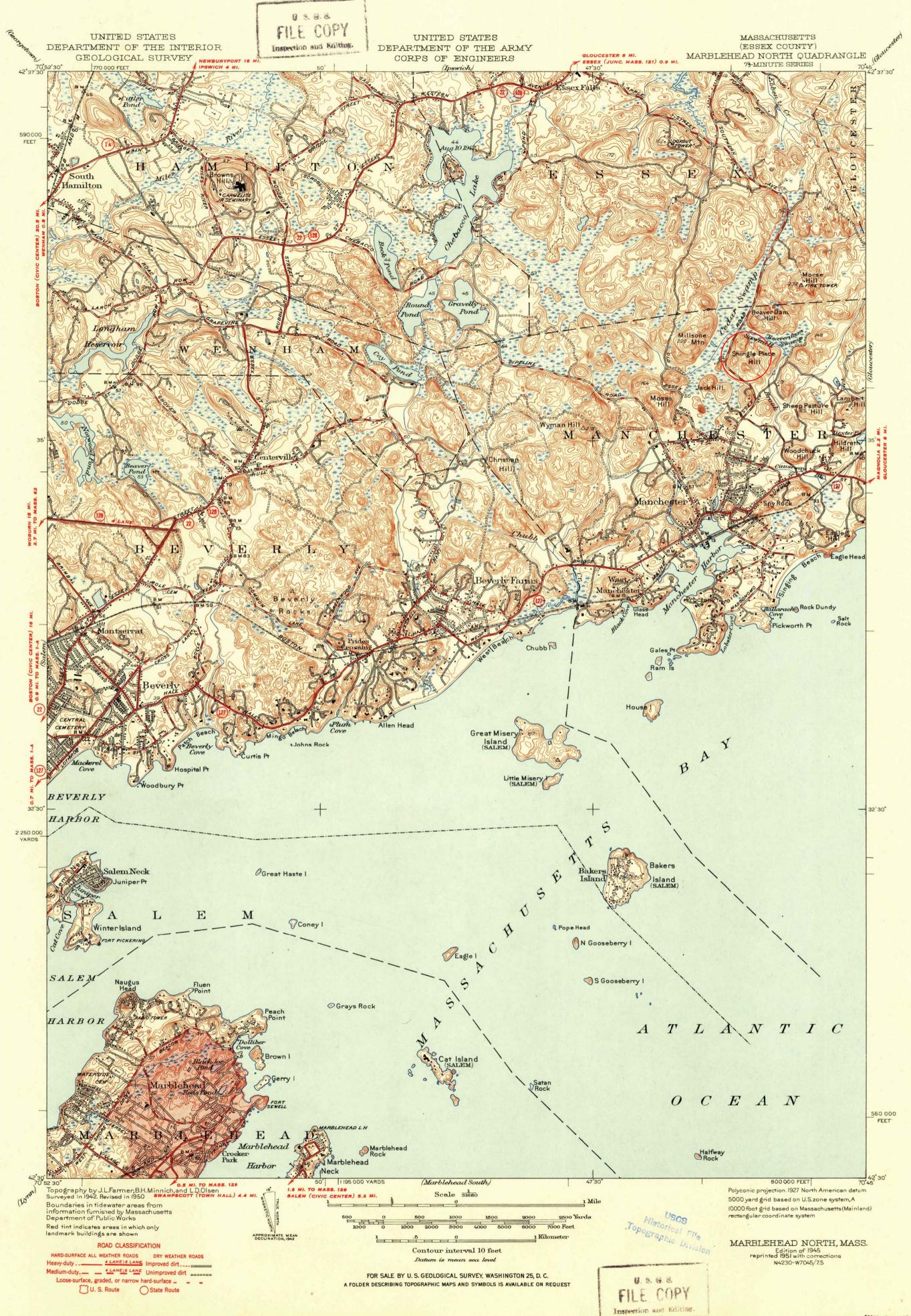
Red tint indicates areas in which only landmark buildings are shown

Boundaries in tidewater areas from information supplied by Massachusetts Department of Public Works

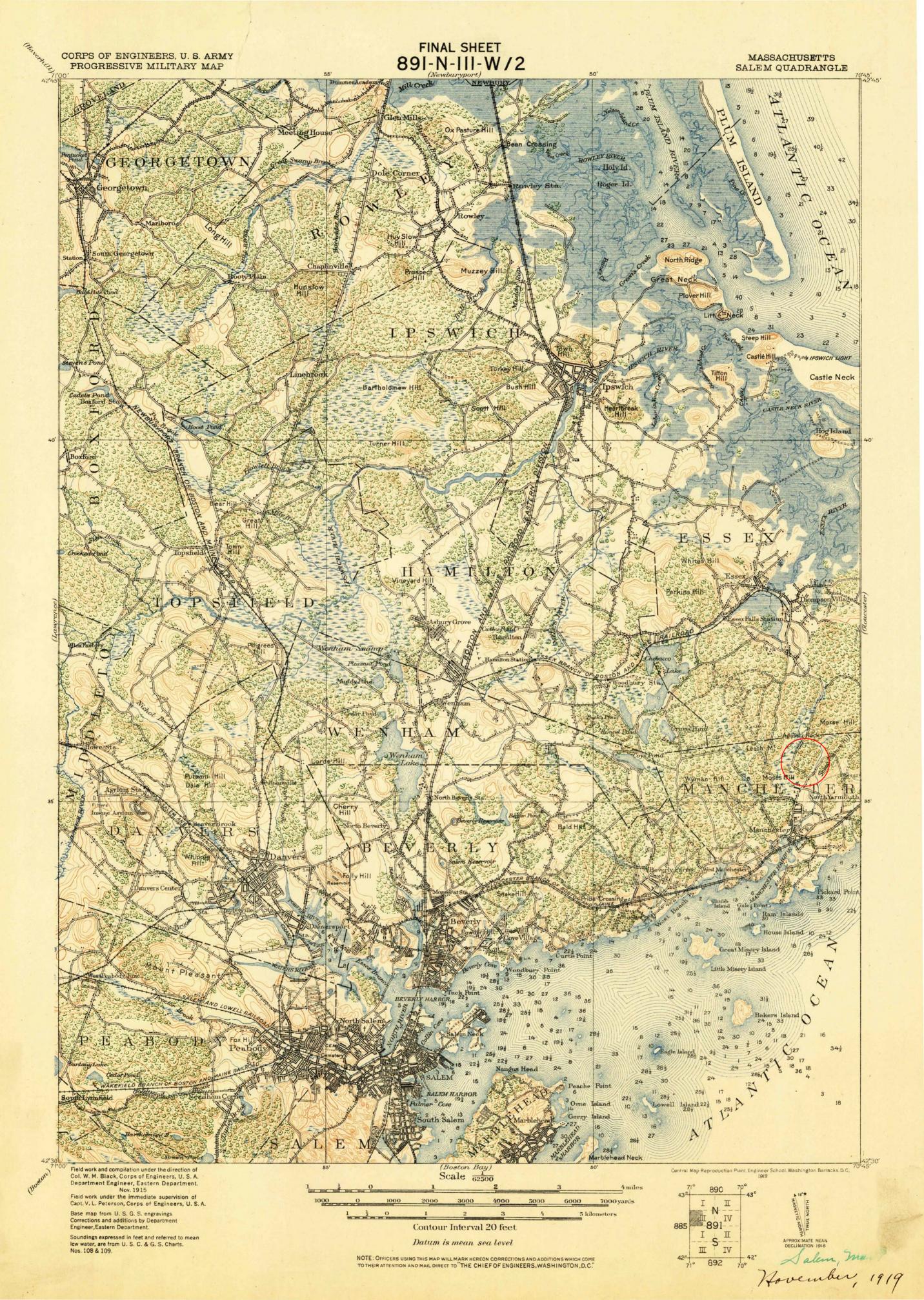
DATUM IS MEAN SEA LEVEL DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS MEAN LOW WATER SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER THE MEAN RANGE OF TIDE IS APPROXIMATELY 9 FEET

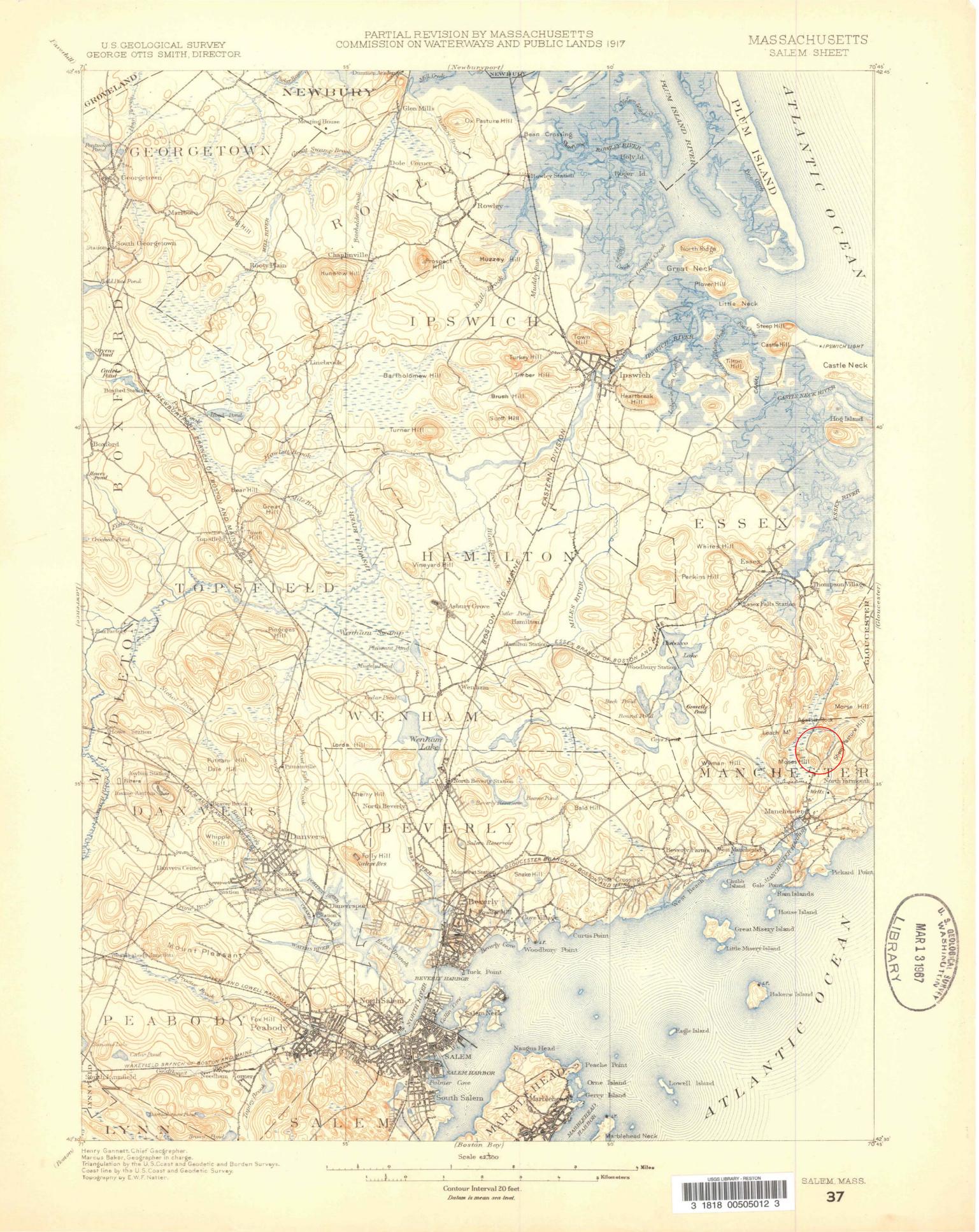
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C. A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

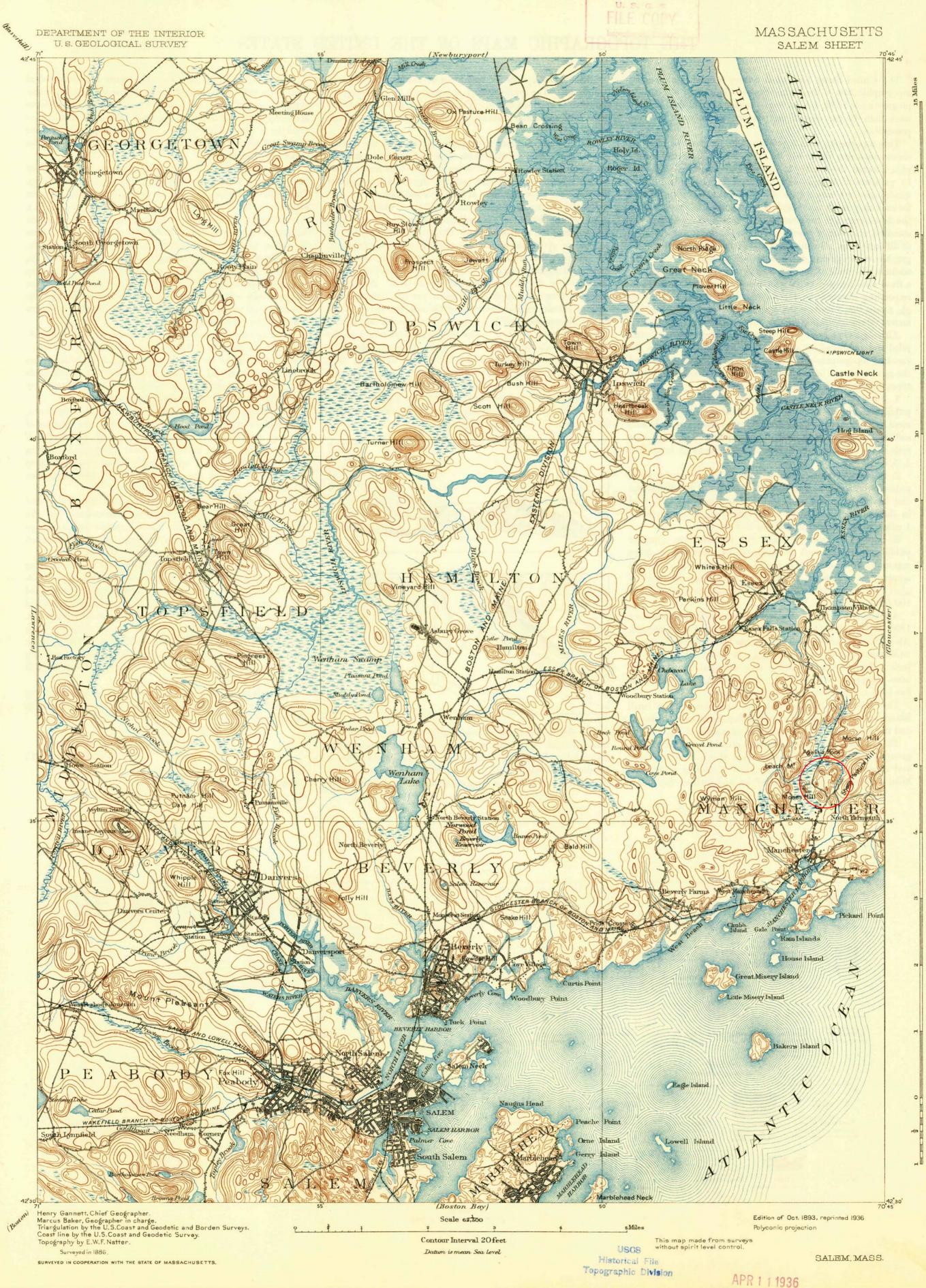




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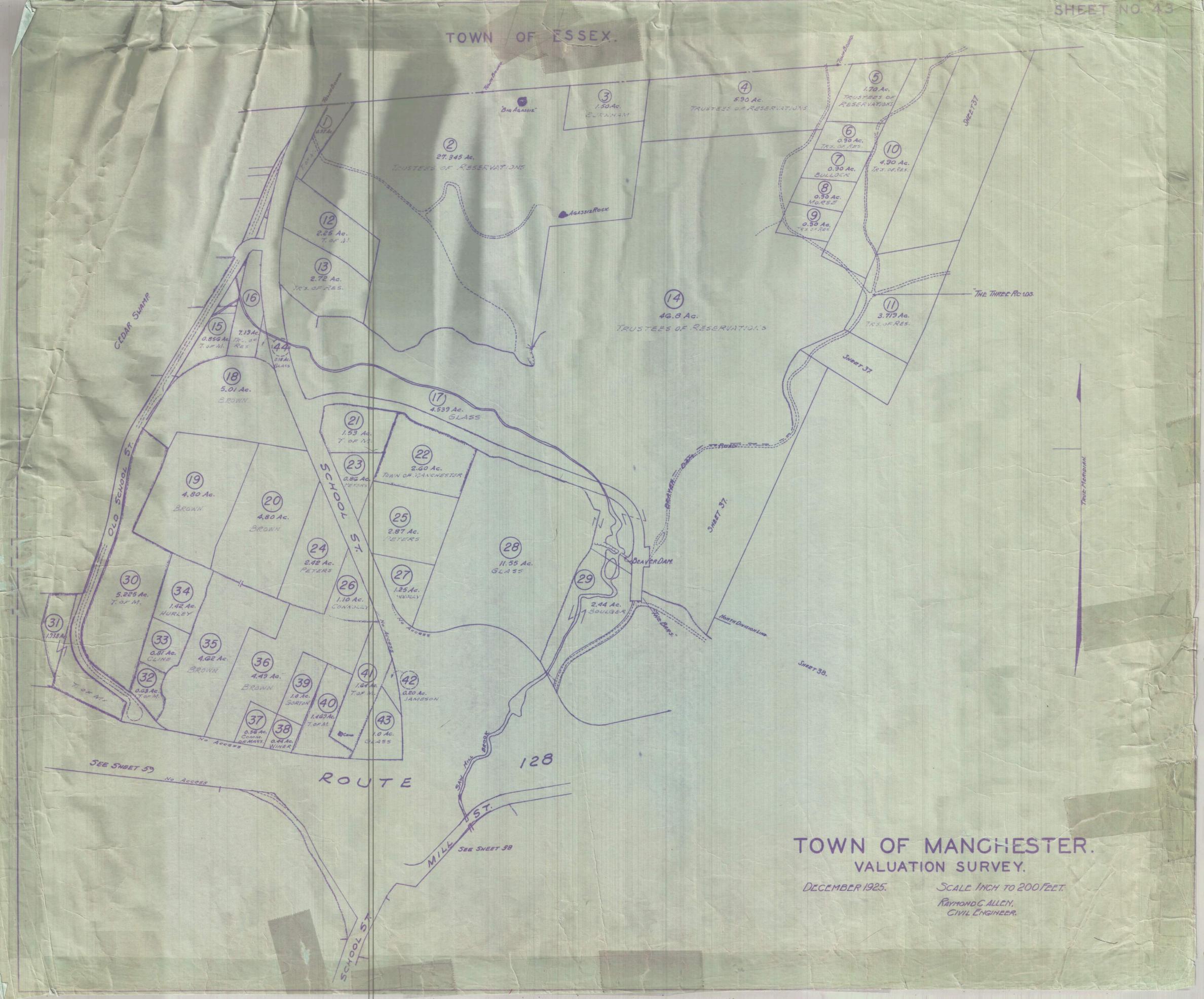
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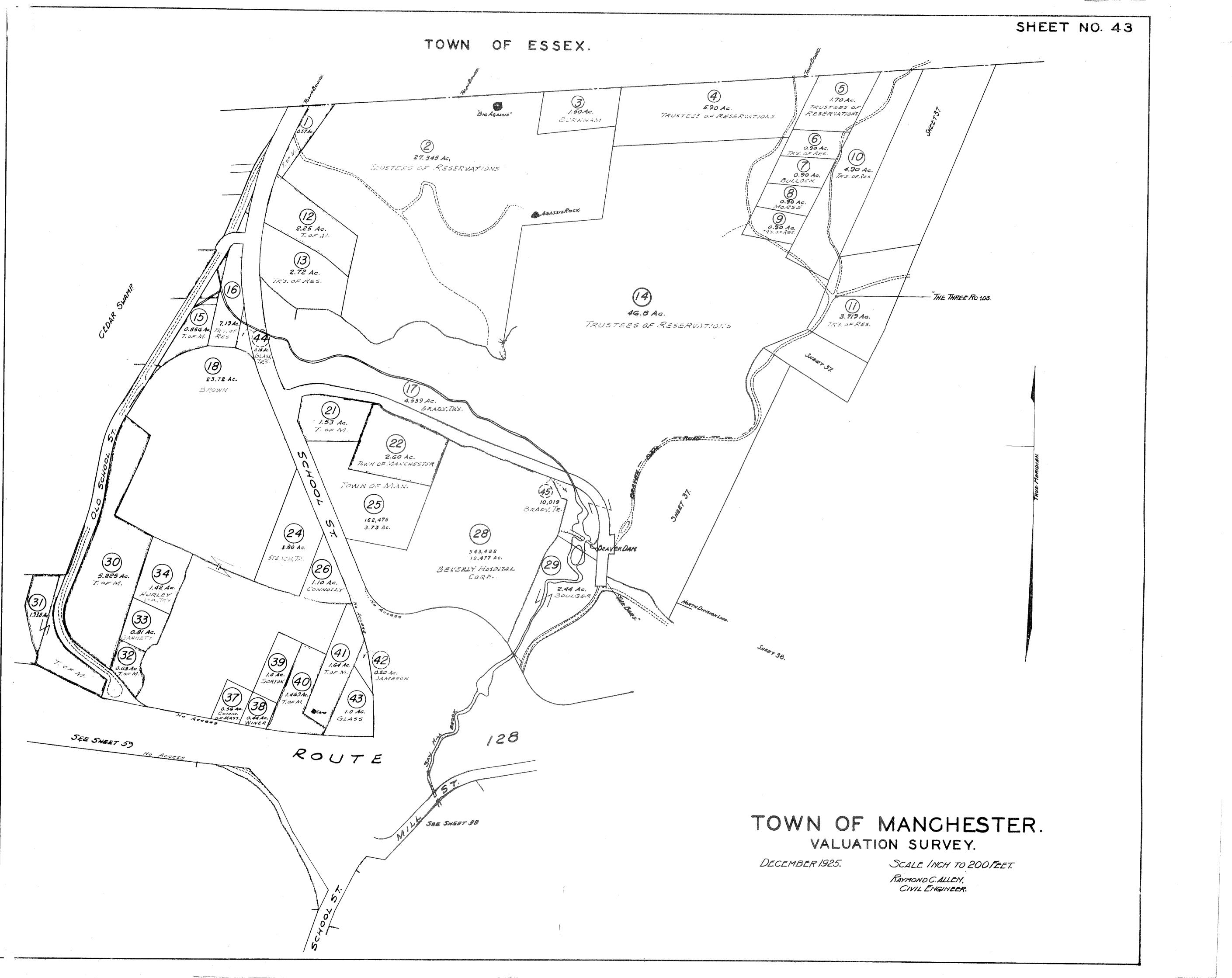


### **APPENDIX E**

Supplemental Documentation

PHASE I ENVIRONMENTAL SITE ASSESSMENT MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts







	MAP L	EGEND		MAP INFORMATION	
Area of Inte	Area of Interest (AOI)		Spoil Area	The soil surveys that comprise your AOI were mapped at	
	Area of Interest (AOI)	0	Stony Spot	1:15,800.	
Soils		0	Very Stony Spot	Warning: Soil Map may not be valid at this scale.	
	Soil Map Unit Polygons Soil Map Unit Lines	Ŷ	Wet Spot	Enlargement of maps beyond the scale of mapping can cause	
	Soil Map Unit Points	$\triangle$	Other	misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of	
_	oint Features		Special Line Features	contrasting soils that could have been shown at a more detaile scale.	
•	Blowout	Water Features			
0	Borrow Pit	~	Streams and Canals	Please rely on the bar scale on each map sheet for map measurements.	
	Clay Spat	Transport	ation		
~	Clay Spot	+++	Rails	Source of Map: Natural Resources Conservation Service Web Soil Survey URL:	
$\diamond$	Closed Depression	~	Interstate Highways	Coordinate System: Web Mercator (EPSG:3857)	
X	Gravel Pit	~	US Routes	Maps from the Web Soil Survey are based on the Web Mercate	
0 0 0	Gravelly Spot	$\sim$	Major Roads	projection, which preserves direction and shape but distorts	
0	Landfill	~	Local Roads	distance and area. A projection that preserves area, such as th Albers equal-area conic projection, should be used if more	
٨.	Lava Flow	Backgrou	ind	accurate calculations of distance or area are required.	
عليہ	Marsh or swamp	No.	Aerial Photography	This product is generated from the USDA-NRCS certified data of the version date(s) listed below.	
衆	Mine or Quarry				
0	Miscellaneous Water			Soil Survey Area: Essex County, Massachusetts, Southern Pa Survey Area Data: Version 17, Jun 9, 2020	
0	Perennial Water			Soil map units are labeled (as space allows) for map scales	
$\vee$	Rock Outcrop			1:50,000 or larger.	
+	Saline Spot			Date(s) aerial images were photographed: Dec 31, 2009—Se 12, 2016	
°.	Sandy Spot			The orthophoto or other base map on which the soil lines were	
-	Severely Eroded Spot			compiled and digitized probably differs from the background	
0	Sinkhole			imagery displayed on these maps. As a result, some mino shifting of map unit boundaries may be evident.	
3	Slide or Slip				
 ø	Sodic Spot				



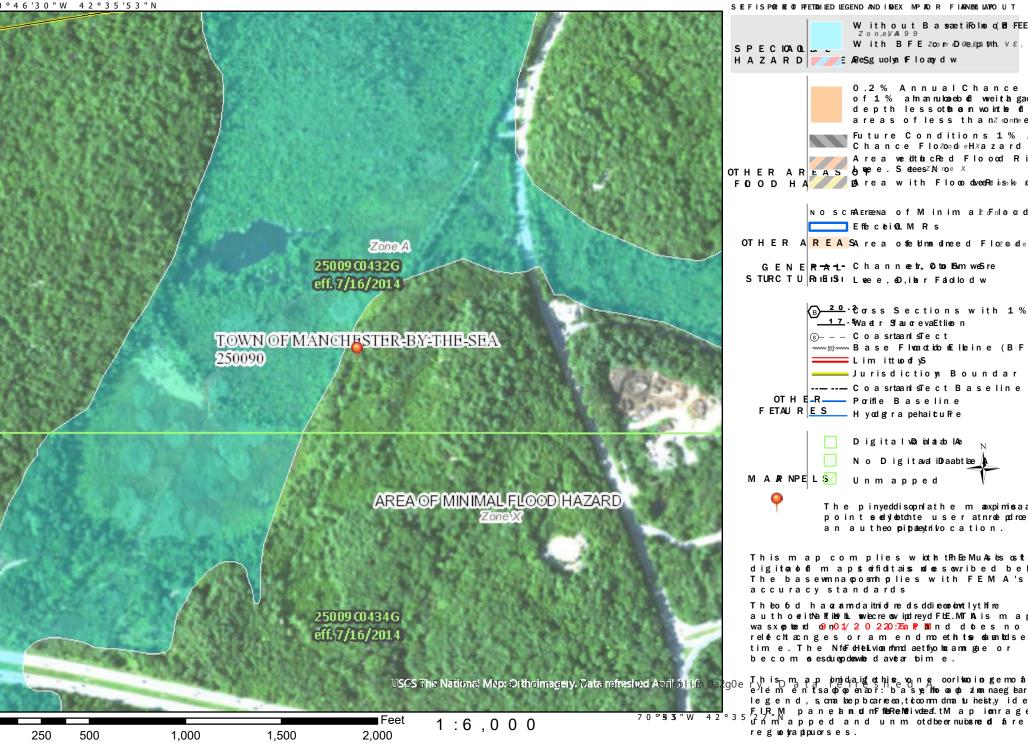
# Map Unit Legend

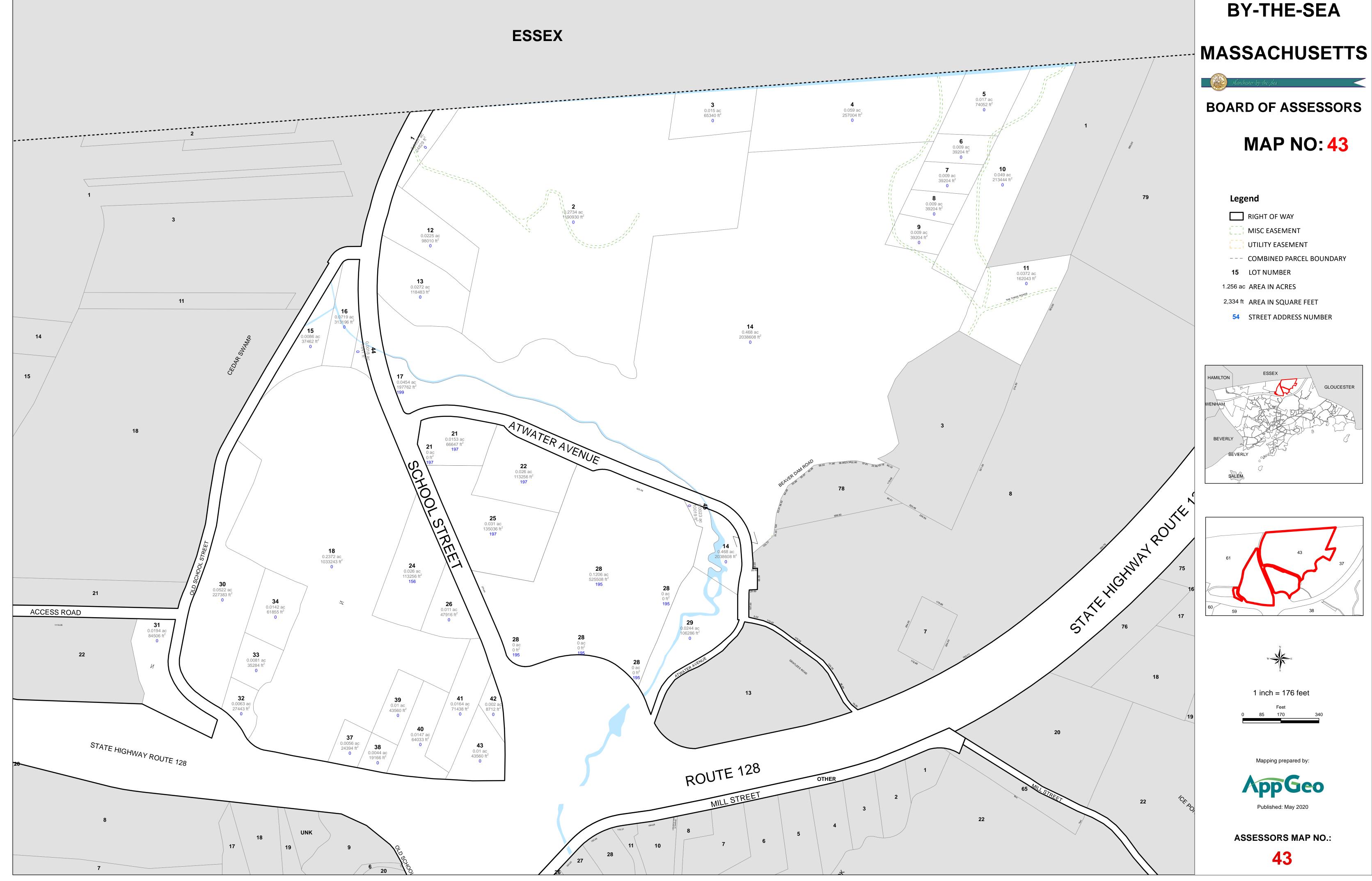
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
1	Water	0.4	0.5%	
32A	Wareham loamy sand, 0 to 3 percent slopes	1.3	1.5%	
43A	Scarboro mucky fine sandy loam, 0 to 3 percent slopes	6.8	7.5%	
51A	Swansea muck, 0 to 1 percent slopes	16.0	17.8%	
102E	Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes	54.7	61.0%	
651	Udorthents, smoothed	10.5	11.7%	
723B	Elmridge fine sandy loam, 3 to 8 percent slopes	0.0	0.0%	
Totals for Area of Interest		89.7	100.0%	

# Nation ao ld FHI o a zyaerrd FLI & Me 🛞 FEMA

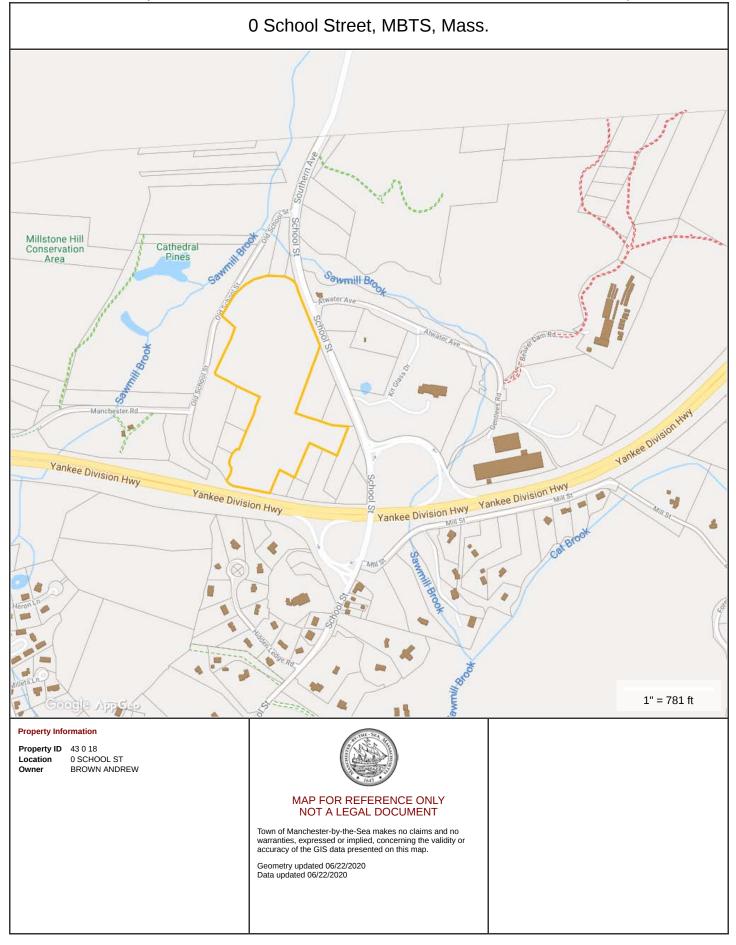
70 ° 4 6 '3 0 "W 4 2 ° 3 5 '5 3 "N

# Leaend





**MANCHESTER-**



9/8/2020		Summary			
HOME SEARCH SUMMAR	Y INTERIOR EXTERIOR SALES	MAPS ABOUT	*		
Printable Record Card   Prev	ious Assessment   Condo Info   S	ales   Zoning   Comments	WebPro		
	Card 1 of	`1			
Location SCHOOL ST	Property Account	Number	Parcel ID 43 0 18 Old Parcel ID		
	Current Property Ma	•	Old Parcer ID		
Owner BROWN ANDREW BROWN FAMILY TRUST TRUSTEE OF THE Address 16 CROOKED LN		City MANCHESTER State MA Zip 01944 Zoning LCD			
Sale Date 7/17/2019	Current Property Sale	s Information Legal Reference 37672-565			
Sale Price 10		Grantor(Seller) PAMELA J.CR	EHAN, DEAN P. BROWN		
Current Prope Year 2020 Land Area 23.720 acres		<u>Card 1 Value</u> Building Value 0 Xtra Features Value 0 Land Value 1,284,80 Total Value 1,284,80			
	Narrative Desc land mainly classified as LAND-C with a(n edroom(s), 0 total bath(s), 0 total half bath( Legal Descri	) <mark>N/A</mark> style building, built about , having s), 0 total 3/4 bath(s).	N/A exterior and N/A roof cover,		
[	Property Ima	ages			
No S	ketch	No Pict	ure		
Avai	lable	Availal	ole		

# **APPENDIX F**

Photograph Log

PHASE I ENVIRONMENTAL SITE ASSESSMENT MBTS Apartments Manchester Parcel 43-0-18 School Street Manchester-By-The-Sea, Massachusetts



Photograph 1: Southwest-facing view across the fill layer at the north end of the Site. Fill consists of boulders and blocks of stone with occasional scrap metal and debris.



Photograph 2: South-looking view of the north side of the Site at debris and refuse pile near School Street.



Photograph 3: West-looking view of the former (overgrown) access driveway from School Street.



Photograph 4: West-looking view at the lower elevations at the north end of Site; empty rusted heating oil tank in center background.



Photograph 5: North-looking view of the fill materials at the Site north end (scrap metal, tires, lumber, boulders, blocks of stone).



Photograph 6: Northerly view of the fill materials (boulders, stone blocks, concrete slab fragments with slate tile).



Photograph 7: South-facing view of the foot trail that runs through the Site property. Old School Street to the right (out of view).



Photograph 8: East-facing view across the foot trail. Old School Street behind camera.