



Town of Reading Meeting Posting with Agenda

Board - Committee - Commission - Council:

Ad Hoc Symonds Way Exploratory Committee

Date: 2022-12-12

Time: 6:00 PM

Building: Reading Town Hall

Location: Select Board Meeting Room

Address: 16 Lowell Street

Agenda:

Purpose: General Business

Meeting Called By: Fidel Maltez

Notices and agendas are to be posted 48 hours in advance of the meetings excluding Saturdays, Sundays and Legal Holidays. Please keep in mind the Town Clerk's hours of operation and make necessary arrangements to be sure your posting is made in an adequate amount of time. A listing of topics that the chair reasonably anticipates will be discussed at the meeting must be on the agenda.

All Meeting Postings must be submitted in typed format; handwritten notices will not be accepted.

Topics of Discussion:

This meeting will be held in-person at the Town Hall Select Board Meeting Room, and remotely via Zoom:

Join Zoom Meeting

<https://us06web.zoom.us/j/84802052819>

Meeting ID: 848 0205 2819

One tap mobile

+16465588656,,84802052819# US (New York)

+16465189805,,84802052819# US (New York)

Dial by your location

+1 646 558 8656 US (New York)

+1 646 518 9805 US (New York)

Meeting ID: 848 0205 2819

Find your local number: <https://us06web.zoom.us/u/kcQNIbkuUB>

AGENDA:

6:00	Call to order
6:05	Committee to Elect Chair and Vice-Chair
6:15	Discuss Symonds Way Committee Process
6:25	Discuss Next Meeting Dates
	New Business

This Agenda has been prepared in advance and represents a listing of topics that the chair reasonably anticipates will be discussed at the meeting. However the agenda does not necessarily include all matters which may be taken up at this meeting.

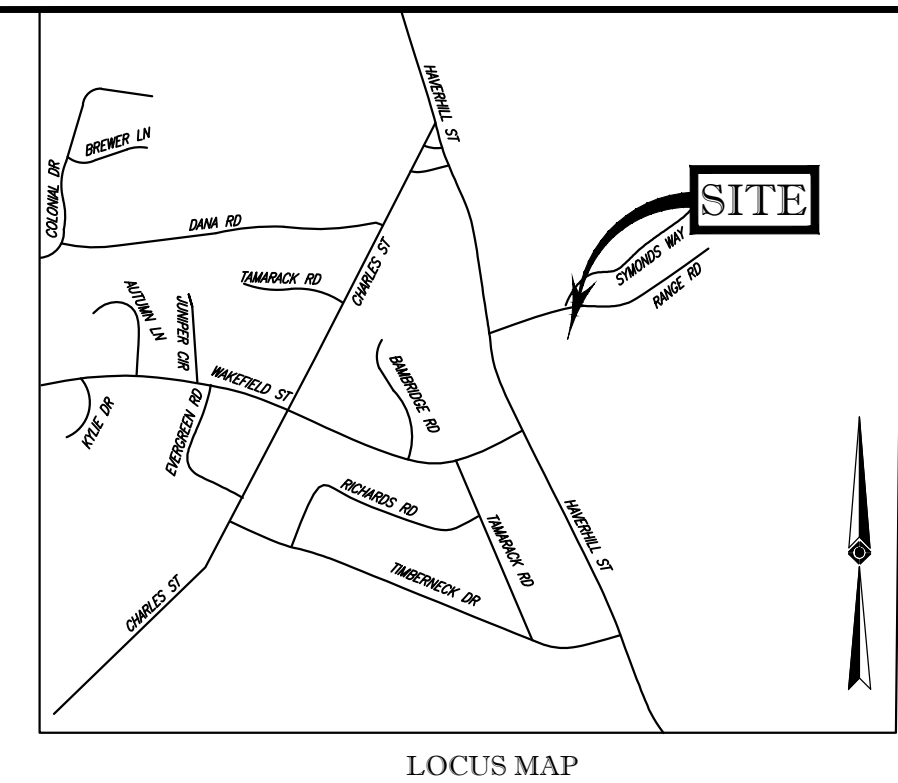
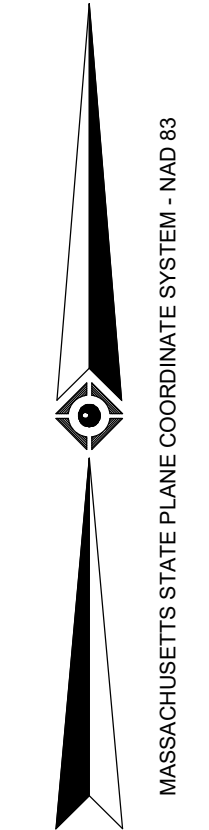
FOR REGISTRY USE ONLY

Haverhill Street
Public-50 Wide

SYMONDS WAY
30' Wide (Per Ref #4)

SYMONDS WAY
30' Wide (Per Ref #4)

ACCESS & UTILITY EASEMENT
(A.K.A RANGE ROAD PER REF #5)



LEGEND

	DELINEATION FLAG
	POINT OF BEGINNING

- NOTES:
- PROPERTY KNOWN AS LOT 133 AS SHOWN ON THE TOWN OF READING, MIDDLESEX COUNTY, COMMONWEALTH OF MASSACHUSETTS, MAP NO. 35.
 - EXISTING LOT 133 AREA = 646.023 SQUARE FEET OR 14.831 ACRES. PROPOSED PARCEL A AREA = 431,844 SQUARE FEET OR 9.914 ACRES. PROPOSED PARCEL B AREA = 214,179 SQUARE FEET OR 4.917 ACRES.
 - THE LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN SHOWN. BEFORE ANY SITE EVALUATION, PREPARATION OF DESIGN DOCUMENTS OR EXCAVATION IS TO BEGIN, THE LOCATION OF UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE PROPER UTILITY COMPANIES.
 - THIS PLAN IS BASED ON INFORMATION PROVIDED BY CLIENT, A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
 - THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN. IT IS STRONGLY RECOMMENDED THAT A COMPLETE TITLE SEARCH BE PROVIDED TO THE SURVEYOR FOR REVIEW PRIOR TO THE PLACEMENT OF OR ALTERATION TO IMPROVEMENTS ON THE PROPERTY.
 - EXISTING FIRM: BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), ZONE X SHADED (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD. PER REF. #2).
 - THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
 - THE DELINEATION LINE WAS PLACED IN THE FIELD BY WESTON & SAMPSON ON 03/23/2022, AND FIELD LOCATED BY CONTROL POINT ASSOCIATES, INC. ON 03/31/2022.
 - THE PURPOSE OF THIS PLAN IS TO SUBDIVIDE LOT 133, MAP 35 INTO TWO PARCELS; SHOWN HEREON AS PROPOSED PARCEL "A" & PROPOSED PARCEL "B".
 - TOPOGRAPHIC CONTOURS ARE SHOWN HEREON PER MASSGIS 2013-2014 SANDY LIDAR DATA SET (DATA ACQUISITION FALL 2013 & SPRING 2014) PROVIDED BY WESTON & SAMPSON ENGINEERS, INC., AND REPRESENTS APPROXIMATE SURFACE ELEVATIONS AT A 2 FOOT INTERVAL ON THE NAVD88 VERTICAL DATUM. CONTOURS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY, AND ARE NOT INTENDED FOR USE IN SITE ENGINEERING DESIGN.

- REFERENCES:
- THE TAX ASSESSOR'S MAP OF READING, MIDDLESEX COUNTY, MAP 35, LOT 133.
 - MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, TOWN OF NORTH READING, TOWN OF READING, MIDDLESEX COUNTY, PANEL 312 OF 656," MAP NUMBER 25017C03I2E, EFFECTIVE JUNE 4, 2010.
 - MAP ENTITLED "PLAN OF LAND IN REDDING, MASS. OWNED BY: READING RIFLE & REVOLVER CLUB, INC. P.O. BOX 212 READING, MA. 01867 PREPARED BY GARRIT CONSULTING LAND SURVEYOR - SITE PLANNING, DATED OCT. 9, 1991 AND FILED IN MIDDLESEX REGISTRY OF DEEDS SOUTHERN DISTRICT, PLAN NO. 49-(1-3) OF 1996 RECD BOOK 25987 PAGE 226.
 - MAP ENTITLED "TOWN OF READING MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS STREET ACCEPTABLE PLAN SYMONDS WAY" PREPARED BY ENGINEERING DIVISION, DATED MARCH 1985, RECORDED IN THE MIDDLESEX REGISTRY OF DEEDS SOUTHERN DISTRICT AS PLAN NO.922 OF 2003.
 - ELECTRONIC CAD FILE CONTAINING LIDAR CONTOURS PROVIDED BY CLIENT, SEE NOTE #10.

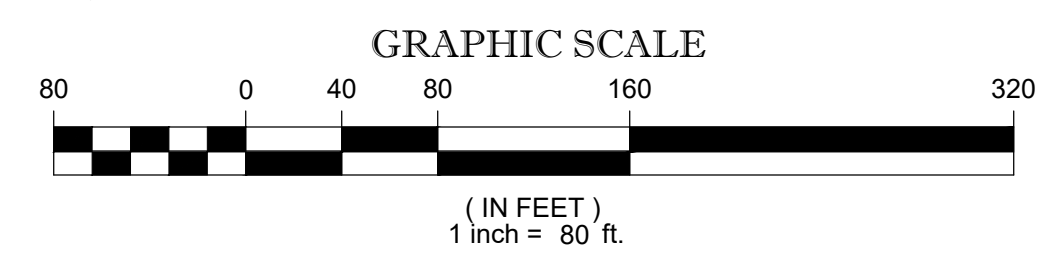
APPROVAL UNDER THE SUBDIVISION CONTROL LAW NOT REQUIRED
TOWN OF READING SELECT BOARD

CHAIRMAN	TOWN OF READING
SELECT BOARD	TOWN OF READING
SELECT BOARD	TOWN OF READING
SELECT BOARD	TOWN OF READING

DATE _____
THE SELECT BOARD'S ENDORSEMENT OF THE PLAN AS NOT REQUIRING APPROVAL UNDER THE SUBDIVISION CONTROL LAW IS NOT A DETERMINATION AS TO THE CONFORMANCE WITH THE TOWN OF READING ZONING BYLAW AND REGULATIONS.



CONTROL POINT ASSOCIATES, INC. ALL RIGHTS RESERVED. ORIGINAL PROJECT OR COPY. THIS PLAN IS THE PROPERTY OF CONTROL POINT ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CONTROL POINT ASSOCIATES, INC. IS PROHIBITED.



THIS IS TO CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS. NO NEW RIGHT OF WAY LINES ARE BEING CREATED AND THOSE SHOWN ARE EXISTING AND ARE NOT BEING CHANGED OR ALTERED.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL

GERRY L. HOLDRIGHT, PLS
MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211

FIELD DATE 03-30-2022	APPROVAL NOT REQUIRED PLAN OF LAND WESTON & SAMPSON			
FIELD BOOK NO. 22	HAVERHILL STREET LOT 133, MAP 35			
FIELD BOOK PG. 22-08 MA	TOWN OF READING, MIDDLESEX COUNTY COMMONWEALTH OF MASSACHUSETTS			
FIELD CREW C.W./Z.C.	WARREN, NJ 908-668-0099 MT LAUREL, NJ 609-857-2099 ALBANY, NY 518-217-5010 ROCHESTER, NY 585-250-1764 PHILADELPHIA, PA 800-668-1819 CHALFONTE, PA 215-712-9898 HAUPPAUGE, NY 631-580-2645 MANHATTAN, NY 646-780-0411			
DRAWN D.L.R.	CONTROL POINT ASSOCIATES, INC. 352 TURNPIKE ROAD SOUTHBROOK, MA 01772 508.948.3000 • 508.948.3003 FAX WWW.CPASURVEY.COM			
APPROVED B.A.V.	DATE 6-22-2022	SCALE 1" = 80'	FILE NO. 03-220120-00	DWG. NO. 1 OF 1

Town of Reading
Weston & Sampson Project No. ENG22-0249

September 23, 2022

Town of Reading
c/o James Pearson, PE
Weston & Sampson
55 Walkers Brook Drive, Suite 100
Reading, MA 01867

RE: **Geotechnical Feasibility Study
Symonds Way Parcel Development
Reading, MA**

INTRODUCTION

Weston & Sampson Engineers, Inc. (Weston & Sampson) is pleased to present this report summarizing our geotechnical feasibility study for the proposed Symonds Way Parcel Development project in Reading, Massachusetts. The parcel is currently owned by the Town of Reading (the Town).

The approximately 16-acre, undeveloped parcel includes wetland and upland (dry) areas. We understand that the Town is seeking to divide the wetland and dry areas into two separate parcels and to engage a private entity to develop the dry area after the parcels are separated. The purpose of our geotechnical study was to complete explorations in the dry area and to identify preliminary geotechnical considerations for potential future site development in this area of the parcel. The dry area of the site is hereon referred to as “the site.”

EXISTING CONDITIONS

The parcel is bounded by Symonds Way to the north, wetlands and wooded areas to the east and south, and Haverhill Street to the west, as shown in *Figure 1 – Locust Map*. The site is located along Symonds Way and occupies approximately 4.5-acres of the parcel. The wetland borders the site to the east, south, and west, as shown in *Figure 2 – Site Plan*. Based on historical aerial imagery, the site was cleared of most vegetation sometime between approximately 1938 and 1955. It is not evident if any excavations, filling, or other activities occurred at the site based on the imagery.

The site is currently mostly wooded. Boulders up to approximately 5 ft. in largest dimension and debris materials including concrete slabs, pre-cast concrete manhole structures, and car frames were observed on the ground surface throughout the site. Photos of the site are included in *Attachment A – Site Photos*. Information on subsurface utilities at the site was not available at the time of this report.

Topographic survey information was also not available at the time of this report. Based on our site observations, however, the ground surface at the site is undulating with several areas of soil berms.

PROPOSED CONDITIONS

We understand there have not been any plans completed showing potential site development. We assume, however, that development could include commercial, retail, or residential buildings up to approximately 3-stories in height, paved parking and access roads, and subsurface utilities. We also assume proposed buildings could have below-grade levels up to approximately 8 ft. deep.

SUBSURFACE CONDITIONS

Geological Setting

Information from the United States Geological Survey (USGS) "Surficial Material Map of the Reading Quadrangle" (2018) compiled by Byron D. Stone, Janet R. Stone, and Mary L. DiGiacomo-Cohen indicates the site is underlain by Coarse Deposits composed of sand and gravel.

According to the 1983 "Bedrock Geologic Map of Massachusetts" by E-an Zen, bedrock at the site consists of Diorite and gabbro or quartzite, schist, calc-silicate quartzite and amphibolite.

Subsurface Explorations

Subsurface conditions at the site were explored on July 7 and 8, 2022 by advancing four (4) borings (B-101 through B-104) and seven (7) test pits (TP-101 through TP-107) at the approximate locations shown in **Figure 2**. Weston & Sampson geotechnical engineering staff monitored exploration activities, located explorations using a handheld GPS unit, and prepared logs for each exploration.

The borings were completed each to a depth of 21 ft. by New England Boring Contractors (NEBC) of Derry, New Hampshire using an ATV-mounted drill rig and rotary wash drilling methods with 4-inch joint casing. Standard penetration tests (SPTs) were conducted continuously to a depth of 6 ft. and at 5 ft. intervals thereafter in each boring by driving a 24-inch long by 1-3/8-inch. inside diameter (2-inch outside diameter) split spoon sampler with blows from a 140-pound. automatic hammer falling 30-inches. per blow. Hammer blows per 6-inches of sampler penetration (for 24-inches) were recorded. The blow counts for the middle 12-inches are combined and designated as the SPT N-Value, which is correlated to soil density and consistencies and engineering soil properties.

The test pits were completed to depths ranging from 4.5 to 5.5 ft. by NEBC using a 9-ton Kubota KX080-4 rubber track excavator equipped with a 36-inch wide toothed bucket.

Subsurface Conditions

Subsurface conditions encountered in the explorations below surficial topsoil/forest mat generally consisted of fill over native sand. The native soils encountered in the explorations were generally consistent with the mapped surficial geology.

Descriptions of the subsurface conditions encountered in the explorations are included in the borings logs in **Attachment B** and in the test pit logs in **Attachment C**. The major strata encountered in the explorations are described below. Variations may occur and should be expected outside and between exploration locations.

Surficial Material – Approximately 2 to 24-inches of organic topsoil/forest mat were encountered at the ground surface in each exploration.

Undocumented Fill – Approximately 4 ft. of very loose to medium dense undocumented fill was encountered below the topsoil in B-104, TP-102, and TP-107. The fill was generally comprised of fine to coarse sand with varying percentages of gravel, non-plastic fines, cobbles, organics (roots), and debris (brick, bottles, metal).

Native Sand – Loose to dense native sand deposits were encountered below the topsoil/forest mat or fill in each exploration. These deposits were generally comprised of fine to coarse sand with trace to some gravel, trace to some non-plastic fines, up to trace roots, and up to common cobbles. A layer of gravel with nested cobbles and boulders (up to 18-inches in largest dimension) was encountered in TP-105 and TP-107.

Roller bit grinding in the sand layer was noted while advancing the borings, further indicating the presence of cobbles and/or boulders in this layer.

The presence of roots in the sand layer was most concentrated in the upper 2 ft. of this layer and generally decreased with increasing depth. Native soils with concentrated roots below topsoil/forest mat are generally characterized as subsoil.

Groundwater – Groundwater levels could not be estimated in the borings due to the drilling method (rotary wash), which introduces water into the borehole. Groundwater was encountered in TP-104 at a depth of approximately 4 ft. We anticipate that groundwater levels will fluctuate with season, variations in precipitation, construction in the area, and other factors. Perched groundwater conditions could exist close to the ground surface, especially during and after extended periods of wet weather.

PRELIMINARY GEOTECHNICAL CONSIDERATIONS

General

Based on the subsurface conditions encountered in our explorations, the primary geotechnical considerations for the proposed site development include the presence of existing topsoil/forest mat, subsoil, and undocumented fill. Based on our review of historical aerial imagery, the presence of berm areas, and the presence of surface debris and buried fill, the site has likely been subjected to dumping, excavating, and filling in the past. Fill is likely present in areas not explored by our explorations. Additionally, the thickness and composition of the fill could differ from those measured and observed in our explorations.

Existing topsoil/forest mat, subsoil, and fill are considered unsuitable for support of foundations, slabs, or other rigid features due to risk of differential settlement from variations in consistency and compaction of the fill and compression of organic soils. Additionally, the Massachusetts State Building Code does not allow for support of foundations on undocumented fill. Topsoil/forest mat, subsoil, and fill should be removed from below foundations, slabs, and other rigid features as described below.

Unsuitable Material Removal

Topsoil/forest mat, subsoil, and fill were encountered to depths up to approximately 4 ft. in our explorations. As

discussed above, fill may extend deeper in areas not explored. Vegetation, topsoil/forest mat, subsoil, and fill should be completely removed from within the zone-of-influence (ZOI) beneath foundations, slabs, and other rigid structures and replaced with compacted Structural Fill. The ZOI is defined by planes extending horizontally away from the bottom outside edges of footings, slabs, and other proposed structures by 2 ft. and then down and away at a 1H:1V slope to the top of the native, inorganic sand deposits.

All vegetation and topsoil should be removed from below proposed pavement areas. Based on our feasibility-level explorations, subsoil and inorganic fill can potentially remain below proposed pavement areas. The suitability of these materials to support flexible pavements should be evaluated further during final design. Portions of the fill encountered in our explorations, however, contained organics and roots that would likely require removal to provide a stable subgrade below pavements.

Foundations for Proposed Structures

Based on the subsurface conditions encountered in our explorations, proposed structures meeting the assumptions previously discussed can be supported on conventional shallow spread foundations bearing in undisturbed, medium dense (or denser) native inorganic sand or on properly constructed Structural Fill over the native sand. As discussed above, all existing topsoil/forest mat, subsoil, and fill should be removed from below the ZOI of proposed foundations and replaced with compacted Structural Fill.

An allowable bearing pressure of 3,000 pounds per square foot (psf) can be used for preliminary design of spread footings supported as discussed above. Additional recommendations for design and construction of foundations can be provided in a design-level geotechnical report.

Imported Fill and Re-Use of Excavated Soils

Imported Structural Fill is recommended for use within the ZOI beneath foundations, slabs, and other rigid structures and within the top 3 ft. in pavement areas. Structural Fill should consist of well graded sand and gravel with a maximum particle size of 3-inches and no more than 10 percent fines (such as MADOT M1.03.0-Type B Gravel Borrow or M2.01.7 Dense Graded Crushed Stone).

Common Borrow is recommended for use up to 3 ft. below pavement areas and within landscaped areas outside the ZOI of foundations. Common Borrow should consist of inorganic granular soils with a maximum particle size of 6-inches, less than 20 percent fines, and free of contamination (including metals, VOCs, SVOCS, etc.).

Based on subsurface conditions encountered in our explorations, re-use of excavated native, inorganic sand as Common Borrow appears feasible. Portions of the native sand possess a relatively high fines content; therefore, compaction of these materials could be difficult, particularly when its moisture content is greater than approximately 3 percent of optimum, as determined by ASTM Specification D1557. On-site materials may also require screening to remove particles greater than 6-inches before re-use as Common Borrow. Re-use of organic topsoil/forest mat, subsoil, and fill is not recommended.

All fill should be placed in maximum 10-inch thick maximum loose lifts with each lift compacted to at least 95 percent of their maximum dry density as determined by ASTM Specification D1557.

Additional Explorations and Analyses

The purpose of our feasibility study was to complete explorations to investigate subsurface conditions and to identify preliminary geotechnical considerations at the subject site for potential site development. Additional explorations and geotechnical analyses will be required to develop final geotechnical recommendations for foundation, earthwork, and pavement design. It is recommended that a geotechnical engineer develop the subsurface exploration program for final geotechnical recommendations based on the proposed structures, pavement, and utilities.

LIMITATIONS

We have prepared this preliminary feasibility study for use by the Town of Reading for the subject project and this site only. The data and report can be used for preliminary cost estimating and/or alternative analysis but is not considered sufficient for design or bidding and should not be construed as a warranty of subsurface conditions. Additional geotechnical explorations and analyses are required for final design.

Subsurface conditions indicate soil conditions only at specific locations and only to the depths penetrated. They do not necessarily reflect subsurface conditions that may exist between exploration locations. If subsurface conditions differing from those described are noted during excavation and construction, reevaluation will be necessary.

Site development plans and design details were not developed at the time this report was prepared. We therefore made assumptions to the type of development that could be proposed for the site. If our assumptions differ from any eventual proposed development, the preliminary geotechnical considerations contained in this report may not be applicable.

Within the limitations of scope, schedule, and budget, our services have been executed in accordance with generally accepted practices in this area at the time this report was prepared. No warranty or other conditions, expressed or implied, is given. For additional information about the use of this report, see the Geoprofessional Business Association, Inc. (GBA) documents included in **Attachment D**.

It has been a pleasure assisting you with this project and we look forward to our continued involvement. Please call if you have any questions.

Very truly yours,

WESTON & SAMPSON, INC.



Hector D. Flores, PE
Project Manager



Thomas J. Strike, PE
Team Leader

HDF:TJS

Attachments:

Figure 1 – Locus Map

Figure 2 – Site Plan

Attachment A – Site Photos

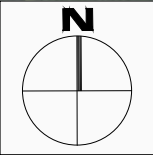
Attachment B – Boring Logs

Attachment C – Test Pit Logs

Attachment D – Important Information about This Geotechnical-Engineering Report

P:\MA\Reading MA\Symonds Way Parcel-Subdivision\03 Design Services\05 Geotechnical\Report\Symonds Way - Geotechnical Feasibility Report FINAL - 2022.09.08.doc

FIGURES



SYMONDS WAY

DRY AREA

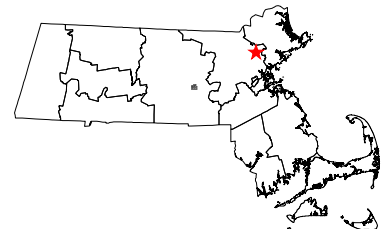
WET AREA

SITE LOCATION
 LAT: 42.54066°N
 LONG: 71.08648°W

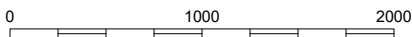


**FIGURE 1
 LOCUS MAP
 SYMONDS WAY PARCEL DEVELOPMENT**

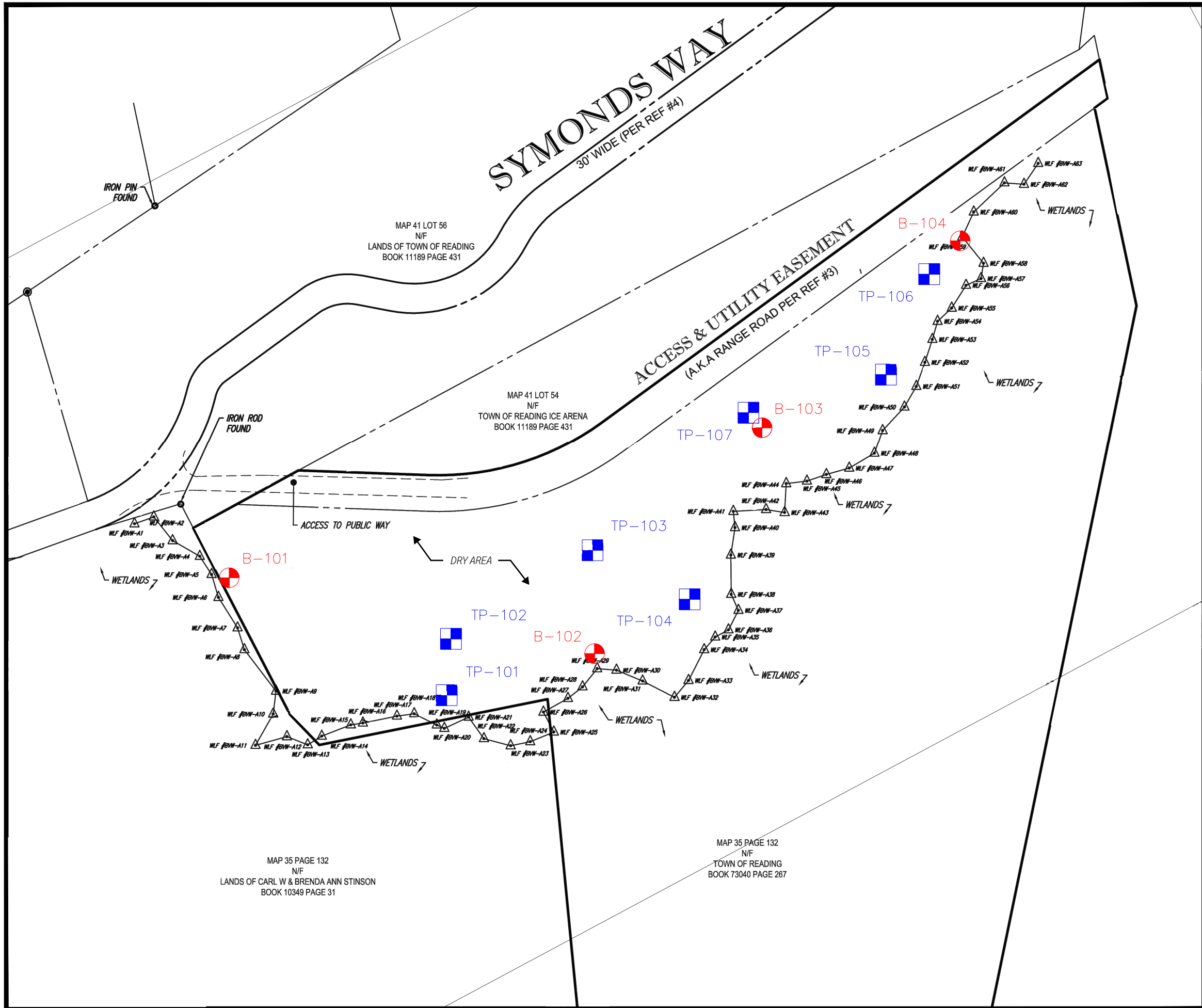
SYMONDS WAY
 READING, MA
 MIDDLESEX COUNTY
 AERIAL PHOTO, CIRCA 2022



SCALE IN FEET



P:\MA\Reading MA\Symonds Way Parcel-Subdivision\03 Design Services\05 Geotechnical\CAD\Fig. 2- Site Plan_9.12.22.dwg



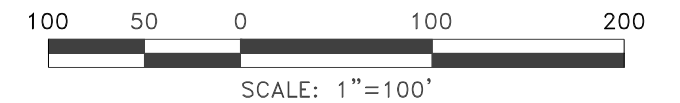
NOTES

1. THIS PLAN WAS PREPARED USING A MAY 6, 2022 DRAWING TITLED, "BOUNDARY & WETLAND LOCATION SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, INC.
2. BORING AND TEST PIT LOCATIONS SHOWN WERE LOCATED USING A HANDHELD GPS UNIT.
3. BORINGS AND TEST PITS WERE COMPLETED BY NEW ENGLAND BORING CONTRACTORS, INC. OF DERRY, NEW HAMPSHIRE AND OBSERVED BY WESTON & SAMPSON ENGINEERS ON JULY 7 & 8, 2022.

LEGEND

- B-#
DESIGNATION AND APPROXIMATE LOCATION OF BORING
- TP-#
DESIGNATION AND APPROXIMATE LOCATION OF TEST PIT

GRAPHIC SCALE



ORIENTATION



TITLE

SITE PLAN

PROJECT

SYMONDS WAY PARCEL DEVELOPMENT

SYMONDS WAY
READING, MA 01867

FIGURE

DATE	8/2022
DRWN BY	NMK
CHKD BY	HDF
PRJ. NO.	ENG22-0249
REV. NO.	-

FIGURE 2

ATTACHMENT A
SITE PHOTOS



Photo 1: Surface boulders up to approximately 5 feet in diameter were observed north and west of TP-103 and East of B-101 in the dry area.



Photo 2: Concrete slabs scattered around TP-103 and B-102.



Photo 3: Precast concrete manhole structures between TP-105 and TP-106 close to the road.



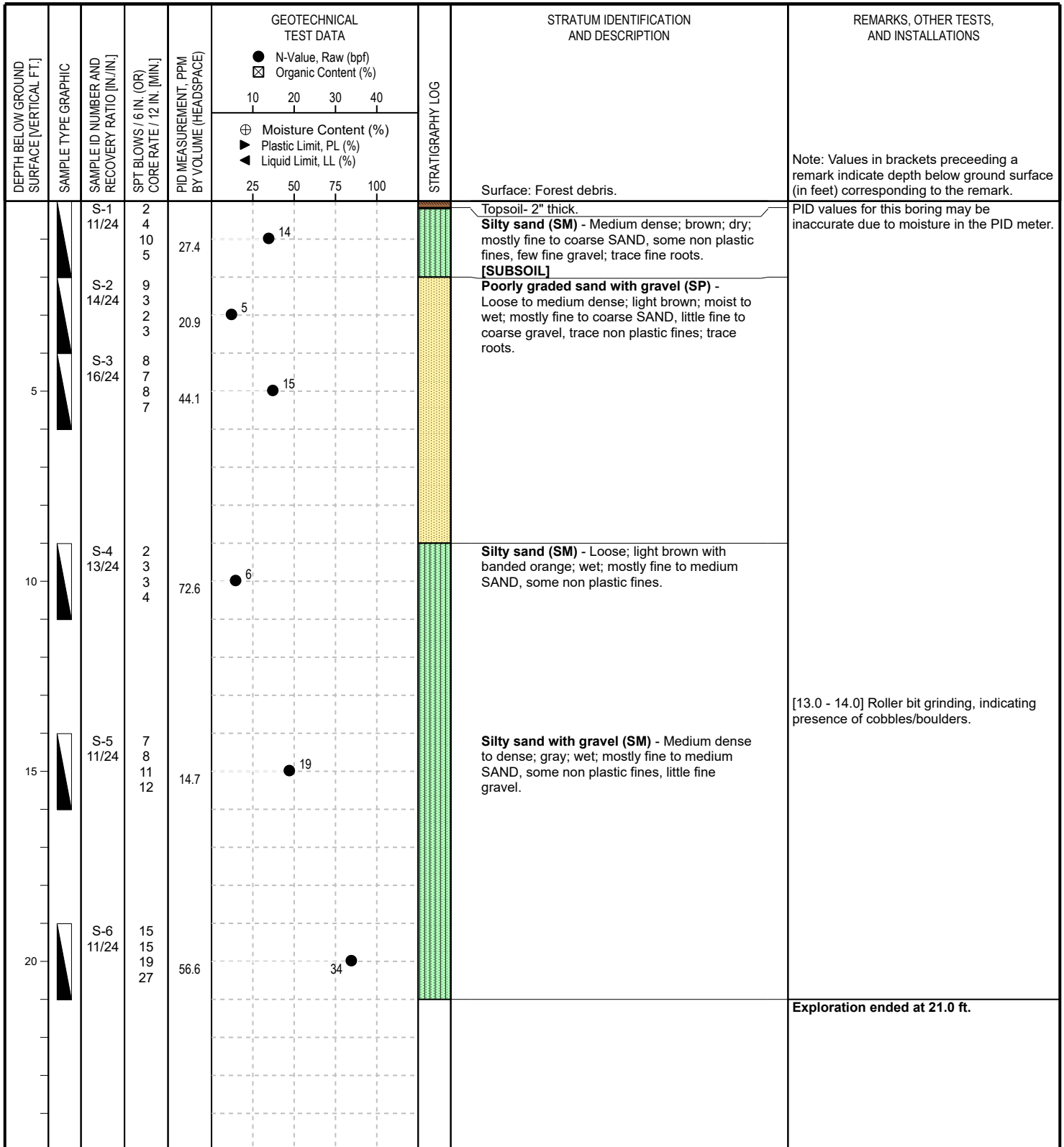
Photo 4: Car frames at the southwest corner of the site between B-101 and TP-101 in the delineated wetland area.



Photo 5: Concrete post tension slabs between TP- 103 and TP-107.

*ATTACHMENT B
BORING LOGS*

CONTRACTOR: NE Boring Contractors, Inc.	BORING LOCATION: See Attached Figure	DATE START: July 8, 2022
FOREMAN: Walter Hoeckele	ADVANCE METHOD: Rotary Wash Drilling	DATE FINISH: July 8, 2022
LOGGED BY: N. King	AUGER DIAMETER: N/A	GROUND EL: Not Available
CHECKED BY: H. Flores, PE	SUPPORT CASING: Driven Flush-Joint Casing (4" ID)	FINAL DEPTH: 21.0 ft.
EQUIPMENT: All-Terrain Drill Rig	CORING METHOD: N/A	GRID COORDS: N:3022239.0520 / E:767637.3630
SPT HAMMER: Automatic (140-lb.)	BACKFILL MATERIAL: Drill Cuttings	GRID SYSTEM: N/A



Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.

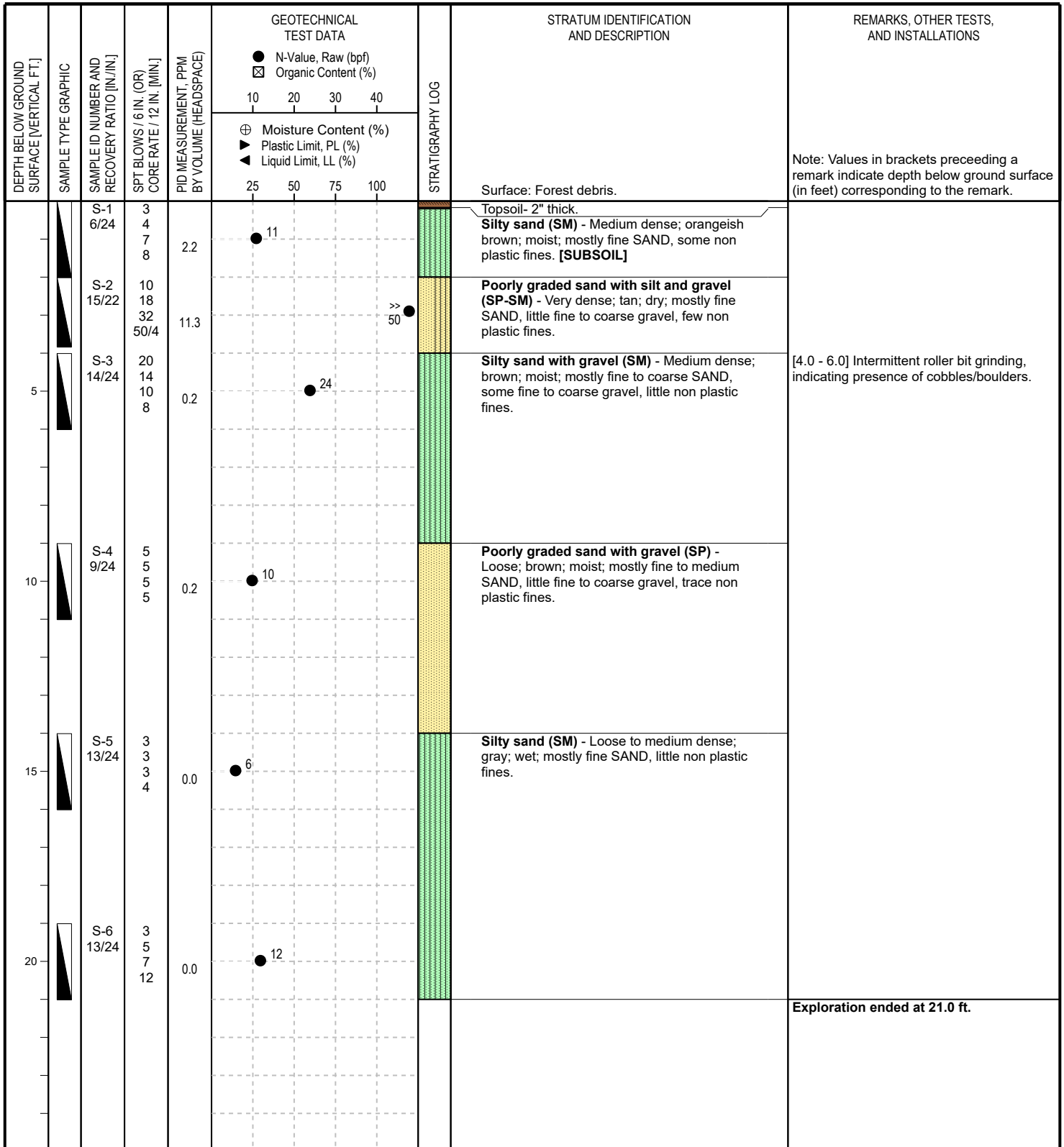
PID values for this boring may be inaccurate due to moisture in the PID meter.

[13.0 - 14.0] Roller bit grinding, indicating presence of cobbles/boulders.

CONTRACTOR: NE Boring Contractors, Inc.	BORING LOCATION: See Attached Figure	DATE START: July 8, 2022
FOREMAN: Walter Hoeckele	ADVANCE METHOD: Rotary Wash Drilling	DATE FINISH: July 8, 2022
LOGGED BY: N.King	AUGER DIAMETER: N/A	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	SUPPORT CASING: Driven Flush-Joint Casing (4" ID)	FINAL DEPTH: 21.0 ft.
EQUIPMENT: All-Terrain Drill Rig	CORING METHOD: N/A	GRID COORDS: N:3022167.2980 / E:768020.9490
SPT HAMMER: Automatic (140-lb.)	BACKFILL MATERIAL: Drill Cuttings	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA				STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	REMARKS, OTHER TESTS, AND INSTALLATIONS
					● N-Value, Raw (bpf)	☒ Organic Content (%)	⊕ Moisture Content (%)	▼ Plastic Limit, PL (%)			
					10	20	30	40		Surface: Forest debris.	
					25	50	75	100		Topsoil- 12" thick.	
		S-1 12/24	2 3 3 4	95.3					6		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark. PID values for this boring may be inaccurate due to moisture in the PID meter.
		S-2 16/24	8 9 12 12	55.0					21	Poorly graded sand (SP) - Medium dense; dark brown; moist; mostly fine to coarse SAND, few fine to coarse gravel, trace non plastic fines.	
		S-3 21/24	12 12 11 10	25.2					23	Silty sand (SM) - Medium dense to loose; gray; moist; mostly fine SAND, little non plastic fines.	
5											
		S-4 17/24	2 3 3 5	32.5					6		
10											
		S-5 0/24	7 7 7 6							14	No Recovery
15											
		S-6 10/24	22 24 20 20	27.6						44	Well graded sand with silt and gravel (SW-SM) - Dense; dark gray; moist; mostly fine to coarse SAND, some fine to coarse gravel, few non plastic fines.
20											[18.5 - 19.0] Roller bit grinding, indicating presence of cobbles/boulders.
											Exploration ended at 21.0 ft.

CONTRACTOR: NE Boring Contractors, Inc.	BORING LOCATION: See Attached Figure	DATE START: July 8, 2022
FOREMAN: Walter Hoeckele	ADVANCE METHOD: Rotary Wash Drilling	DATE FINISH: July 8, 2022
LOGGED BY: N.King	AUGER DIAMETER: N/A	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	SUPPORT CASING: Driven Flush-Joint Casing (4" ID)	FINAL DEPTH: 21.0 ft.
EQUIPMENT: All-Terrain Drill Rig	CORING METHOD: N/A	GRID COORDS: N:3022398.4420 / E:768188.2640
SPT HAMMER: Automatic (140-lb.)	BACKFILL MATERIAL: Drill Cuttings	GRID SYSTEM: N/A



GUIDE TO SUBSURFACE EXPLORATION LOGS



INDEX SHEET 1 GENERAL INFORMATION

GENERAL NOTES AND USE OF LOGS

- 1.) Explorations were made by ordinary and conventional methods and with care adequate for Weston & Sampson's study and/or design purposes. The exploration logs are part of a specific report prepared by Weston & Sampson for the referenced project and client, and are an integral part of that report. Information and interpretations are subject to the explanations and limitations stated in the report. Weston & Sampson is not responsible for any interpretations, assumptions, projections, or interpolations made by others.
- 2.) Exploration logs represent general conditions observed at the point of exploration on the date(s) stated. Boundary lines separating soil and rock layers (strata) represent approximate boundaries only and are shown as solid lines where observed and dashed lines where inferred based on drilling action. Actual transitions may be gradual and changes may occur over time.
- 3.) Soil and rock descriptions are based on visual-manual examination of recovered samples, direct observation in test pits (when permissible), and laboratory testing (when conducted).
- 4.) Water level observations were made at the times and under the conditions stated. Fluctuations should be expected to vary with seasons and other factors. Use of fluids during drilling may affect water level observations. The absence of water level observations does not necessarily mean the exploration was dry or that subsurface water will not be encountered during construction.
- 5.) Standard split spoon samplers may not recover particles with any dimension larger than 1-3/8 inches. Reported gravel conditions or poor sample recovery may not reflect actual in-situ conditions.
- 6.) Sections of this guide provide a general overview of Weston & Sampson's practices and procedures for *identifying* and *describing* soil and rock. These procedures are predominantly based on ASTM D2488, *Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)*, the International Society of Rock Mechanics (ISRM) standards, and the *Engineering Geology Field Manual* published by the Bureau of Reclamation. Not all aspects of this guide relating to description and identification procedures of soil and rock may be applicable in all circumstances.

SAMPLER GRAPHICS

- Split Spoon (Standard)
2" OD, 1-3/8" ID
- Split Spoon (Oversize)
3" OD, 2-3/8" ID
- Shelby or Piston Tube
3" OD, 2-7/8" ID
- Double-Tube Rock Core Barrel
2" Core Diameter
- Direct Push with Acetate Liner
Various Liner Sizes
- Auger Sample
(from cuttings or hand auger)
- Grab Sample
(manual, from discrete point)
- Composite Sample
(multiple grab samples)

WELL GRAPHICS

- Cement concrete seal around casing or riser pipe
- Bentonite seal around casing or riser pipe
- Cement grout seal around casing or riser pipe
- Soil backfill around riser pipe or beneath screen
- Gravel backfill around screen or riser pipe
- Sand backfill around screen or riser pipe (filter sand)
- Solid-wall riser; Sch. 40 PVC, 1" ID unless noted otherwise
- Slotted screen; Sch. 40 PVC, 1" ID with machined slots

CAVING / SEEPAGE TERMS

The following caving and/or seepage terms may appear on a test pit log.

Caving Term	Criteria
Minor.....	less than 1 cubic ft.
Moderate.....	1 to 3 cubic ft.
Severe.....	greater than 3 cubic ft.

Seepage Term	Criteria
Slow.....	less than 1 gpm
Moderate.....	1 to 3 gpm
Fast.....	greater than 3 gpm

KEY TO WATER LEVELS

- Observed in exploration during advancement.
- Measured in exploration at completion, prior to backfilling or well installation.
- Measured in exploration after the stated stabilization period, prior to backfilling, or in well installation if noted.

DEFINITIONS OF COMMON TERMS

Sample Recovery Ratio - The length of material recovered in a drive or push type sampler over the length of sampler penetration, in inches (e.g. 18/24).

Standard Penetration Test (SPT) - An in-situ test where a standard split-spoon sampler is driven a distance of 12 or 18 inches (after an initial 6-inch seating interval) using a 140-lb. hammer falling 30 inches for each blow.

SPT Blows - The number of hammer blows required to drive a split-spoon sampler each consecutive 6-inch interval during a *Standard Penetration Test*. If no discernable advancement of a split spoon sampler is made after 50 consecutive hammer blows, 50/X indicates *sampler refusal* and is the number of blows required to drive the sampler X inches.

SPT N-Value (N) - The uncorrected blow count representation of a soil's penetration resistance over a 12-inch interval after an initial 6-in. seating interval, reported in blows per foot (bpf). The N-value is correlated to soil engineering properties.

Auger Refusal - No discernable advancement of the auger over a period of 5 minutes with full rig down pressure applied.

Casing Refusal (Driven) - Casing penetration of less than 6 inches after a minimum 50 blows of a drop hammer weighing 300 lbs. or a minimum 100 blows of a drop hammer weighing 140 lbs.

PID Measurement - A measurement (electronic reading) taken in the field using a photoionization detector (PID) to detect the presence of volatile organic compounds in a soil sample. Values are reported as benzene equivalent units in parts per million (ppm) unless noted otherwise.

Rock Quality Designation (RQD) - A qualitative index measure of the degree of jointing and fracture of a rock core taken from a borehole. The RQD is defined as the sum length of solid core pieces 4 inches or longer divided by the run (cored) length, expressed as a percentage. Higher RQD values may indicate fewer joints and fractures in the rock mass.

Fill (Made Ground) - A deposit of soil and/or artificial waste materials that has been placed or altered by human processes.

LABORATORY TESTS AND FIELD MEASUREMENTS

MC.....	Moisture Content	IC.....	1D Incremental Consolidation
OC.....	Organic Content	VS.....	Laboratory Vane Shear
PL.....	Plastic Limit	US.....	Unconfined Compression
LL.....	Liquid Limit	TC.....	Triaxial Compression
GC.....	Gravel Content	PP.....	Pocket (Hand) Penetrometer
SC.....	Sand Content	TV.....	Torvane (Hand Vane)
FC.....	Fines Content	PID.....	Photoionization Detector
DS.....	Direct Shear	FID.....	Flame Ionization Detector

BORING ADVANCEMENT METHODS

Hollow-Stem Auger Drilling - Utilizes continuous flight auger sections with hollow stems to advance the borehole. Drill rods and a plug are inserted into the auger stem to prevent the entrance of soil cuttings into the augers.

Rotary Wash Drilling - Utilizes downward pressure and rotary action applied to a non-coring bit while washing the cuttings to the surface using a circulating fluid injected down the drill rods. The borehole is supported with either steel casing or the drilling fluid. Where a casing is used, the borehole is advanced sequentially by driving the casing to the desired depth and then cleaning out the casing. The process of driving and cleaning the casing is commonly referred to as the 'drive-and-wash' technique.

Continuous Sampling - Includes a variety of methods and procedures during which the borehole is advanced via continuous recovery of soil samples. *Direct Push* sampling is a common method that uses static downward pressure combined with percussive energy to drive a steel mandrel into the ground at continuous intervals while recovering soil samples in disposable acetate liners.

Rock Coring - Utilizes downward pressure and rotary action applied to a core barrel equipped with a diamond-set or tungsten carbide coring bit. During conventional coring, the entire barrel is retrieved from the hole upon completion of a core run. Wireline coring allows for removal of the inner barrel assembly containing the actual core while the drill rods and outer barrel remain in the hole. Various types and sizes of core barrels and bits are used.

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INDEX SHEET 2 SOIL DESCRIPTION

SOIL CONSTITUENTS

Naturally occurring soils consist of one or more of the following matrix constituents defined in terms of particle size.

Constituent	U.S. Sieve Size	Observed Size (in.)
Gravel (Coarse)	3/4 in. - 3 in.	3/4 - 3
Gravel (Fine)	No. 4 - 3/4 in.	1/5 - 3/4
Sand (Coarse)	No. 10 - No. 40	1/16 - 1/5
Sand (Medium)	No. 40 - No. 10	1/64 - 1/16
Sand (Fine)	No. 200 - No. 40	1/300 - 1/64
Fines (Silt or Clay)	Smaller than No. 200	Less than 1/300

SOIL IDENTIFICATION

Soil identification refers to the grouping of soils with similar physical characteristics into a category defined by a **group name** and corresponding **group symbol** based on estimation of the matrix soil constituents to the nearest 5% and simple manual tests. Proportions of cobbles, boulders, and other non-matrix soil materials are not considered during this procedure but are included in the overall soil description if observed or thought to be present. Refer to the following descriptions and tables adapted from ASTM D2488.

Coarse-Grained Soil - Coarse-grained soils contain fewer than 50% fines and are identified based on the following table.

Primary Constituent	Fines Percent	Type of Fines and Gradation	Group Symbol	Group Name ⁽¹⁾
GRAVEL	≤ 5%	well graded	GW	Well graded gravel
		poorly graded	GP	Poorly graded gravel
	10%	clayey well graded fines	GW-GC	Well graded gravel with clay fines
		poorly graded silty well graded fines	GP-GC	Poorly graded gravel with clay fines
SAND	15% to 45%	clay fines	GC	Clayey gravel
		silt fines	GM	Silty gravel
	≤ 5%	well graded	SW	Well graded sand
		poorly graded	SP	Poorly graded sand
% sand ≥ % gravel	10%	clayey well graded fines	SW-SC	Well graded sand with clay fines
		poorly graded silty well graded fines	SP-SC	Poorly graded sand with clay fines
	15% to 45%	clay fines	SW-SM	Well graded sand with silt
		silt fines	SP-SM	Poorly graded sand with silt
% sand ≥ % gravel	15% to 45%	clay fines	SC	Clayey sand
		silt fines	SM	Silty sand

⁽¹⁾ If soil is a gravel and contains 15% or more sand, add "with sand" to the group name. If soil is a sand and contains 15% of more gravel, add "with gravel" to the group name.

Inorganic Fine-Grained Soil - Fine-grained soils contain 50% or more fines and are identified based on the following table.

Plasticity Criteria	Dry Strength	Coarse Fraction S = Sand, G = Gravel	Group Symbol	Group Name ⁽¹⁾
Medium	Medium to high	< 15% S + G	CL	Lean clay
		≥ 30% % S ≥ % G	CL	Sandy lean clay
		S + G % S < % G	CL	Gravelly lean clay
Non-plastic	None to low	< 15% S + G	ML	Silt
		≥ 30% % S ≥ % G	ML	Sandy silt
		S + G % S < % G	ML	Gravelly silt
High	High to very high	< 15% S + G	CH	Fat clay
		≥ 30% % S ≥ % G	CH	Sandy fat clay
		S + G % S < % G	CH	Gravelly fat clay
Low to Medium	Low to medium	< 15% S + G	MH	Elastic silt
		≥ 30% % S ≥ % G	MH	Sandy elastic silt
		S + G % S < % G	MH	Gravelly elastic silt

⁽¹⁾ If soil contains 15% to 25% sand or gravel, add "with sand" or "with gravel" to the group name.

Organic Fine-Grained Soil - Fine-grained soils that contain enough organic particles to influence the soil properties are identified as Organic Soil and assigned the group symbol **OL** or **OH**.

Highly Organic Soil (Peat) - Soils composed primarily of plant remains in various stages of decomposition are identified as Peat and given the group symbol **PT**. Peat usually has an organic odor, a dark brown to black color, and a texture ranging from fibrous (original plant structure intact or mostly intact) to amorphous (plant structure decomposed to fine particles).

SOIL DESCRIPTION

Soils are described in the following general sequence. Deviations may occur in some instances.

Identification Components

(1) Group Name and Group Symbol

Description Components

- (2) Consistency (Fine-Grained) or Apparent Density (Coarse-Grained)
- (3) Color (*note, the term "to" may be used to indicate a gradational change*)
- (4) Soil Moisture
- (5) Matrix Soil Constituents (Gravel, Sand, Fines)
 - ↳ Proportion (*by weight*), particle size, plasticity of fines, angularity, etc.
- (6) Non-Matrix Soil Materials and Proportions (*by volume*)
- (7) Other Descriptive Information (Unusual Odor, Structure, Texture, etc.)
- (8) [Geologic Formation Name or Soil Survey Unit]

SPT N-VALUE CORRELATIONS

Consistency	SPT N-Value	Apparent Density	SPT N-Value
Very soft	0 - 2	Very loose	0 - 5
Soft	2 - 4	Loose	5 - 10
Medium stiff	4 - 8	Medium dense	10 - 30
Stiff	8 - 15	Dense	30 - 50
Very stiff	15 - 30	Very dense	> 50
Hard	> 30		

SOIL MOISTURE

Dry..... Apparent absence of moisture; dry to the touch.
Moist..... Damp but no visible water.
Wet..... Visible free water; saturated.

PROPORTIONS / PERCENTAGES

Proportions of gravel, sand, and fines (excluding cobbles, boulders, and other constituents) are stated in the following terms indicating a range of percentages by weight (to nearest 5%) of the minus 3-in. soil fraction and add up to 100%.

Proportions of cobbles, boulders, and other non-matrix soil materials including artificial debris, roots, plant fibers, etc. are stated in the following terms indicating a range of percentages by volume (to the nearest 5%) of the total soil.

Mostly 50% - 100%	Numerous 40% - 50%
Some 30% - 45%	Common 25% - 35%
Little 15% - 25%	Occasional 10% - 20%
Few 5% - 10%	Trace Less than 5%
Trace Less than 5%	

PLASTICITY (FINES ONLY)

Non-plastic..... Dry specimen ball falls apart easily. Cannot be rolled into thread at any moisture content.
Low..... Dry specimen ball easily crushed with fingers. Can be rolled into 1/8-in. thread with some difficulty.
Medium..... Difficult to crush dry specimen ball with fingers. Easily rolled into 1/8-in. thread.
High..... Cannot crush dry specimen ball with fingers. Easily rolled and re-rolled into 1/8-in. thread.

COBBLES AND BOULDERS

Cobbles - Particles of rock that will pass a 12-in. square opening and be retained on a 3-in. sieve.

Boulders - Particles of rock that will not pass a 12-in. square opening.

Note: Where the percentage (by volume) of cobbles and/or boulders cannot be accurately or reliably estimated, the terms "with cobbles", "with boulders", or "with cobbles and boulders" may be used to indicate observed or inferred presence.

GUIDE TO SUBSURFACE EXPLORATION LOGS



INDEX SHEET 3 ROCK DESCRIPTION

ROCK DEFINITION

Where reported on an exploration log, *rock* is defined as any naturally formed aggregate of mineral matter occurring in larges masses or fragments. This definition of rock should not be taken as a replacement for any definitions relating to rock and/or rock excavation defined in construction documents. Intensely weathered or decomposed rock that is friable and can be reduced to gravel size particles or smaller by normal hand pressure is identified and described as soil. Poorly indurated formational materials which display both rock-like and soil-like properties are identified and described as rock followed by the soil description. In such cases, the term "poorly indurated" or "weakly cemented" is added to the rock name (e.g. weakly cemented sandstone).

ROCK IDENTIFICATION

Rock is identified by a combination of *rock type* (igneous, metamorphic, or sedimentary) followed by the the *rock name* (e.g. granite, schist, sandstone).

ROCK DESCRIPTION

Rock descriptions are presented in the following general sequence. The detail of description is dictated by the complexity and objectives of the project.

Identification Components

(1) Rock Type and Name

Description Components

- (2) Rock Grain Size (*for clastic sedimentary rock*)
- (3) Crystal Size (*for igneous and metamorphic rock*)
- (4) Bedding Spacing (*for sedimentary rock*)
- (5) Color
- (6) Hardness and Weathering Descriptors
- (7) Fracture Density
- (8) [Geologic Formation Name]

ROCK QUALITY DESIGNATION

$$RQD (\%) = \frac{\sum \text{Length of intact core pieces} \geq 4 \text{ inches}}{\text{Total length of core run (inches)}} \times 100$$

The RQD should correlate with the fracture density in most cases. Higher RDQ values generally indicate fewer joints and fractures.

GRAIN / CRYSTAL SIZE

Grain Size for Clastic Sedimentary Rock

The names of clastic sedimentary rocks are generally based on their predominant clast or grain size (e.g. fine sandstone, medium sandstone, coarse gravel conglomerate, cobble conglomerate, siltstone, claystone).

Crystal Size for Igneous and Metamorphic Rock

Grain Size Description	Average Crystal Size (in.)
Very coarse grained (pegmatitic)	Greater than or equal to 3/8
Coarse-grained	Between 3/16 and 3/8
Medium-grained	Between 1/32 and 3/16
Fine-grained	Between 1/250 and 1/32
Aphanitic	Less than or equal to 1/250

BEDDING SPACING

Bedding Description	Thickness / Spacing
Massive	Less than 10 ft.
Very thickly bedded	3 ft. to 10 ft.
Thickly bedded	1 ft. to 3 ft.
Moderately bedded	4 in. to 1 ft.
Thinly bedded	1 in. to 4 in.
Very thinly bedded	1/4 in. to 1 in.
Laminated	Less than 1/4 in.

Note: Bedding is generally only applicable to sedimentary or bedded volcanic rocks.

HARDNESS

Hardness	Criteria
Extremely hard	Cannot be scratched with a pocketknife or sharp pick. Can only be chipped with repeated heavy hammer blows.
Very hard	Cannot be scratched with a pocketknife or sharp pick with difficulty. Breaks with repeated heavy hammer blows.
Hard	Can be scratched with with a pocketknife or sharp pick with difficulty. Breaks with heavy hammer blows.
Moderately hard	Can be scratched with a pocketknife or sharp pick with light or moderate pressure. Breaks with moderate hammer blows.
Moderately soft	Can be grooved 1/16 in. deep with a pocketknife or sharp pick with moderate or heavy pressure. Breaks with light hammer blow or heavy manual pressure.
Soft	Can be grooved or gouged easily with a pocketknife or sharp pick. Breaks with light to moderate manual pressure.
Very soft	Can be readily indented, grooved, or gouged with fingernail, or carved with a pocketknife. Breaks with light manual pressure.

WEATHERING (INTACT ROCK)

Weathering Description	Discoloration and/or Oxidation	General Characteristics
Fresh	Body of rock and fracture surfaces are not discolored or oxidized.	Rock texture unchanged. Hammer rings when crystalline rocks are struck.
Slightly weathered	Discoloration or oxidation limited to surface of, or short distance from, fractures. Most surfaces exhibit minor to complete discoloration.	Rock texture preserved. Hammer rings when crystalline rocks are struck. Body of rock not weakened.
Moderately weathered	Discoloration or oxidation extends usually throughout. Fe-Mg minerals appear rusty. All fracture surfaces are discolored or oxidized.	Rock texture generally preserved. Hammer does not ring when rock is struck. Body of rock slightly weakened.
Intensely weathered	Discoloration or oxidation throughout. Feldspar and Fe-Mg minerals altered to clay to some extent. All fracture surfaces are discolored or oxidized and friable.	Rock texture altered by chemical disintegration. Can usually be broken with moderate to heavy manual pressure or by light hammer blow . Body of rock is significantly weakened.
Decomposed	Discoloration or oxidation throughout but resistant minerals such as quartz may be unaltered. All feldspar and Fe-Mg minerals are completely altered to clay.	Resembles a soil; partial or complete remnant rock structure may be preserved. Can be granulated by hand. Resistant minerals may present as stringers or dikes.

FRACTURE DENSITY

Description	Observed Fracture Density
Unfractured	No fractures
Very slightly fractured	Core lengths greater than 3 ft.
Slightly fractured	Core lengths mostly from 1 ft. to 3 ft.
Moderately fractured	Core lengths mostly from 4 in. to 1 ft.
Intensely fractured	Core lengths mostly from 1 in. to 4 in.
Very intensely fractured	Mostly chips and fragments

Note: Fracture density is based on the fracture spacing in recovered core, measured along the core axis (excluding mechanical breaks).

*ATTACHMENT C
TEST PIT LOGS*

CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 7.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022121 ± / E:767867 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Forest Mat - 12" thick. 3'-diameter boulder near ground surface		
	G	0.0		Silty sand with gravel (SM) - Brown and dark brown; dry; mostly fine to medium SAND, little fine to coarse gravel, little non plastic fines; occasional cobbles; trace roots down to the bottom of the test pit.		
5					-5	Exploration ended at 5.5 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.0 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022180 ± / E:767872 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Forest Mat - 6" thick. 1.5'-diameter boulder near ground surface		
	G	0.0		Silty sand with gravel (SM) - Brown; moist; some fine to medium SAND, some fine to coarse gravel, little non plastic fines; trace cobbles; trace roots; trace debris (bricks, bottles, metal strips). [FILL]		
5	G	0.0		Poorly graded sand (SP) - Light brown; moist; mostly fine to medium SAND, trace non plastic fines; loose soil consistency estimated based on excavation.	-5	
						Exploration ended at 5.0 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N,King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 4.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022274 ± / E:768019 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 9" thick.		
	G	0.0		Silty sand with gravel (SM) - Tan to light brown; dry; some fine to coarse SAND, some fine to coarse gravel, little non plastic fines; transition of color noted at 1.5 feet with orange staining.		
	G	0.0		Poorly graded sand with gravel (SP) - Brown; dry; mostly fine to coarse SAND, some fine to coarse gravel, trace non plastic fines.		
5					-5	Exploration ended at 4.5 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: Slow Seepage at 4.0 ft.	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 4.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022225 ± / E:768117 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 2' thick; numerous root up to 0.5" in diameter.		
	G	0.0		Poorly graded sand with gravel (SP) - Brown to tan; moist; mostly fine to medium SAND, some fine to coarse gravel, few non plastic fines; trace roots.		
	G	1.5		Well graded sand with gravel (SW) - Brown; wet; mostly fine to coarse SAND, some fine to coarse gravel, trace non plastic fines.		
5					-5	Exploration ended at 4.5 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.0 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022452 ± / E:768310 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 9" thick.		
	G			Poorly graded sand with gravel (SP) - Light brown; dry; mostly fine to medium SAND, some fine to coarse gravel, trace non plastic fines; common cobbles; trace roots.		
		0.5		Poorly graded gravel with sand (GP) - Dry; mostly coarse GRAVEL, some fine to coarse sand; nestled cobbles and boulders up to 18" in diameter.		
5					-5	Exploration ended at 5.0 ft.





CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022551 ± / E:768350 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 6" thick.		
	G	0.0		Silty sand with gravel (SM) - Brown; dry; some fine to medium SAND, some fine to medium gravel, little non plastic fines; trace roots.		
	G	0.0		Silty sand (SM) - Light brown; dry; mostly fine to medium SAND, some non plastic fines; trace roots.		
5	G	0.0		Poorly graded sand with gravel (SP) - Brown; dry; mostly fine to coarse SAND, little fine to coarse gravel, trace non plastic fines.	-5	
						Exploration ended at 5.5 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.0 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022414 ± / E:768174 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
	G	1.5		Silty sand with gravel (SM) - Dark brown; moist; mostly fine to medium SAND, some non plastic fines, little fine to medium gravel; common cobbles; common brick; trace electrical wire; common roots. [FILL]		
	G	0.5		Poorly graded gravel with sand (GP) - Tan; dry; mostly fine to coarse GRAVEL, some fine to coarse sand, trace non plastic fines.		
5					-5	Exploration ended at 5.0 ft.



GUIDE TO SUBSURFACE EXPLORATION LOGS



INDEX SHEET 1 GENERAL INFORMATION

GENERAL NOTES AND USE OF LOGS

- 1.) Explorations were made by ordinary and conventional methods and with care adequate for Weston & Sampson's study and/or design purposes. The exploration logs are part of a specific report prepared by Weston & Sampson for the referenced project and client, and are an integral part of that report. Information and interpretations are subject to the explanations and limitations stated in the report. Weston & Sampson is not responsible for any interpretations, assumptions, projections, or interpolations made by others.
- 2.) Exploration logs represent general conditions observed at the point of exploration on the date(s) stated. Boundary lines separating soil and rock layers (strata) represent approximate boundaries only and are shown as solid lines where observed and dashed lines where inferred based on drilling action. Actual transitions may be gradual and changes may occur over time.
- 3.) Soil and rock descriptions are based on visual-manual examination of recovered samples, direct observation in test pits (when permissible), and laboratory testing (when conducted).
- 4.) Water level observations were made at the times and under the conditions stated. Fluctuations should be expected to vary with seasons and other factors. Use of fluids during drilling may affect water level observations. The absence of water level observations does not necessarily mean the exploration was dry or that subsurface water will not be encountered during construction.
- 5.) Standard split spoon samplers may not recover particles with any dimension larger than 1-3/8 inches. Reported gravel conditions or poor sample recovery may not reflect actual in-situ conditions.
- 6.) Sections of this guide provide a general overview of Weston & Sampson's practices and procedures for *identifying* and *describing* soil and rock. These procedures are predominantly based on ASTM D2488, *Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)*, the International Society of Rock Mechanics (ISRM) standards, and the *Engineering Geology Field Manual* published by the Bureau of Reclamation. Not all aspects of this guide relating to description and identification procedures of soil and rock may be applicable in all circumstances.

SAMPLER GRAPHICS

- Split Spoon (Standard)
2" OD, 1-3/8" ID
- Split Spoon (Oversize)
3" OD, 2-3/8" ID
- Shelby or Piston Tube
3" OD, 2-7/8" ID
- Double-Tube Rock Core Barrel
2" Core Diameter
- Direct Push with Acetate Liner
Various Liner Sizes
- Auger Sample
(from cuttings or hand auger)
- Grab Sample
(manual, from discrete point)
- Composite Sample
(multiple grab samples)

WELL GRAPHICS

- Cement concrete seal around casing or riser pipe
- Bentonite seal around casing or riser pipe
- Cement grout seal around casing or riser pipe
- Soil backfill around riser pipe or beneath screen
- Gravel backfill around screen or riser pipe
- Sand backfill around screen or riser pipe (filter sand)
- Solid-wall riser; Sch. 40 PVC, 1" ID unless noted otherwise
- Slotted screen; Sch. 40 PVC, 1" ID with machined slots

CAVING / SEEPAGE TERMS

The following caving and/or seepage terms may appear on a test pit log.

Caving Term	Criteria
Minor.....	less than 1 cubic ft.
Moderate.....	1 to 3 cubic ft.
Severe.....	greater than 3 cubic ft.

Seepage Term	Criteria
Slow.....	less than 1 gpm
Moderate.....	1 to 3 gpm
Fast.....	greater than 3 gpm

KEY TO WATER LEVELS

- Observed in exploration during advancement.
- Measured in exploration at completion, prior to backfilling or well installation.
- Measured in exploration after the stated stabilization period, prior to backfilling, or in well installation if noted.

DEFINITIONS OF COMMON TERMS

Sample Recovery Ratio - The length of material recovered in a drive or push type sampler over the length of sampler penetration, in inches (e.g. 18/24).

Standard Penetration Test (SPT) - An in-situ test where a standard split-spoon sampler is driven a distance of 12 or 18 inches (after an initial 6-inch seating interval) using a 140-lb. hammer falling 30 inches for each blow.

SPT Blows - The number of hammer blows required to drive a split-spoon sampler each consecutive 6-inch interval during a *Standard Penetration Test*. If no discernable advancement of a split spoon sampler is made after 50 consecutive hammer blows, 50/X indicates *sampler refusal* and is the number of blows required to drive the sampler X inches.

SPT N-Value (N) - The uncorrected blow count representation of a soil's penetration resistance over a 12-inch interval after an initial 6-in. seating interval, reported in blows per foot (bpf). The N-value is correlated to soil engineering properties.

Auger Refusal - No discernable advancement of the auger over a period of 5 minutes with full rig down pressure applied.

Casing Refusal (Driven) - Casing penetration of less than 6 inches after a minimum 50 blows of a drop hammer weighing 300 lbs. or a minimum 100 blows of a drop hammer weighing 140 lbs.

PID Measurement - A measurement (electronic reading) taken in the field using a photoionization detector (PID) to detect the presence of volatile organic compounds in a soil sample. Values are reported as benzene equivalent units in parts per million (ppm) unless noted otherwise.

Rock Quality Designation (RQD) - A qualitative index measure of the degree of jointing and fracture of a rock core taken from a borehole. The RQD is defined as the sum length of solid core pieces 4 inches or longer divided by the run (cored) length, expressed as a percentage. Higher RQD values may indicate fewer joints and fractures in the rock mass.

Fill (Made Ground) - A deposit of soil and/or artificial waste materials that has been placed or altered by human processes.

LABORATORY TESTS AND FIELD MEASUREMENTS

MC.....	Moisture Content	IC.....	1D Incremental Consolidation
OC.....	Organic Content	VS.....	Laboratory Vane Shear
PL.....	Plastic Limit	US.....	Unconfined Compression
LL.....	Liquid Limit	TC.....	Triaxial Compression
GC.....	Gravel Content	PP.....	Pocket (Hand) Penetrometer
SC.....	Sand Content	TV.....	Torvane (Hand Vane)
FC.....	Fines Content	PID.....	Photoionization Detector
DS.....	Direct Shear	FID.....	Flame Ionization Detector

BORING ADVANCEMENT METHODS

Hollow-Stem Auger Drilling - Utilizes continuous flight auger sections with hollow stems to advance the borehole. Drill rods and a plug are inserted into the auger stem to prevent the entrance of soil cuttings into the augers.

Rotary Wash Drilling - Utilizes downward pressure and rotary action applied to a non-coring bit while washing the cuttings to the surface using a circulating fluid injected down the drill rods. The borehole is supported with either steel casing or the drilling fluid. Where a casing is used, the borehole is advanced sequentially by driving the casing to the desired depth and then cleaning out the casing. The process of driving and cleaning the casing is commonly referred to as the 'drive-and-wash' technique.

Continuous Sampling - Includes a variety of methods and procedures during which the borehole is advanced via continuous recovery of soil samples. *Direct Push* sampling is a common method that uses static downward pressure combined with percussive energy to drive a steel mandrel into the ground at continuous intervals while recovering soil samples in disposable acetate liners.

Rock Coring - Utilizes downward pressure and rotary action applied to a core barrel equipped with a diamond-set or tungsten carbide coring bit. During conventional coring, the entire barrel is retrieved from the hole upon completion of a core run. Wireline coring allows for removal of the inner barrel assembly containing the actual core while the the drill rods and outer barrel remain in the hole. Various types and sizes of core barrels and bits are used.

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INDEX SHEET 2 SOIL DESCRIPTION

SOIL CONSTITUENTS

Naturally occurring soils consist of one or more of the following matrix constituents defined in terms of particle size.

Constituent	U.S. Sieve Size	Observed Size (in.)
Gravel (Coarse)	3/4 in. - 3 in.	3/4 - 3
Gravel (Fine)	No. 4 - 3/4 in.	1/5 - 3/4
Sand (Coarse)	No. 10 - No. 40	1/16 - 1/5
Sand (Medium)	No. 40 - No. 10	1/64 - 1/16
Sand (Fine)	No. 200 - No. 40	1/300 - 1/64
Fines (Silt or Clay)	Smaller than No. 200	Less than 1/300

SOIL IDENTIFICATION

Soil identification refers to the grouping of soils with similar physical characteristics into a category defined by a **group name** and corresponding **group symbol** based on estimation of the matrix soil constituents to the nearest 5% and simple manual tests. Proportions of cobbles, boulders, and other non-matrix soil materials are not considered during this procedure but are included in the overall soil description if observed or thought to be present. Refer to the following descriptions and tables adapted from ASTM D2488.

Coarse-Grained Soil - Coarse-grained soils contain fewer than 50% fines and are identified based on the following table.

Primary Constituent	Fines Percent	Type of Fines and Gradation	Group Symbol	Group Name ⁽¹⁾
GRAVEL	≤ 5%	well graded	GW	Well graded gravel
		poorly graded	GP	Poorly graded gravel
	10%	clayey well graded	GW-GC	Well graded gravel with clay fines
		poorly graded	GP-GC	Poorly graded gravel with clay fines
15% to 45%	clayey silty well graded	GW-GM	Well graded gravel with silty fines	
	poorly graded	GP-GM	Poorly graded gravel with silty fines	
SAND	≤ 5%	clay fines	GC	Clayey gravel
		silt fines	GM	Silty gravel
	10%	well graded	SW	Well graded sand
		poorly graded	SP	Poorly graded sand
	15% to 45%	clayey well graded	SW-SC	Well graded sand with clay fines
		poorly graded	SP-SC	Poorly graded sand with clay fines
	15% to 45%	clayey silty well graded	SW-SM	Well graded sand with silty fines
		poorly graded	SP-SM	Poorly graded sand with silty fines
	15% to 45%	clay fines	SC	Clayey sand
		silt fines	SM	Silty sand

⁽¹⁾ If soil is a gravel and contains 15% or more sand, add "with sand" to the group name. If soil is a sand and contains 15% of more gravel, add "with gravel" to the group name.

Inorganic Fine-Grained Soil - Fine-grained soils contain 50% or more fines and are identified based on the following table.

Plasticity Criteria	Dry Strength	Coarse Fraction S = Sand, G = Gravel	Group Symbol	Group Name ⁽¹⁾
Medium	Medium to high	< 15% S + G	CL	Lean clay
		≥ 30% % S ≥ % G	CL	Sandy lean clay
		S + G % S < % G	CL	Gravelly lean clay
Non-plastic	None to low	< 15% S + G	ML	Silt
		≥ 30% % S ≥ % G	ML	Sandy silt
		S + G % S < % G	ML	Gravelly silt
High	High to very high	< 15% S + G	CH	Fat clay
		≥ 30% % S ≥ % G	CH	Sandy fat clay
		S + G % S < % G	CH	Gravelly fat clay
Low to Medium	Low to medium	< 15% S + G	MH	Elastic silt
		≥ 30% % S ≥ % G	MH	Sandy elastic silt
		S + G % S < % G	MH	Gravelly elastic silt

⁽¹⁾ If soil contains 15% to 25% sand or gravel, add "with sand" or "with gravel" to the group name.

Organic Fine-Grained Soil - Fine-grained soils that contain enough organic particles to influence the soil properties are identified as Organic Soil and assigned the group symbol **OL** or **OH**.

Highly Organic Soil (Peat) - Soils composed primarily of plant remains in various stages of decomposition are identified as Peat and given the group symbol **PT**. Peat usually has an organic odor, a dark brown to black color, and a texture ranging from fibrous (original plant structure intact or mostly intact) to amorphous (plant structure decomposed to fine particles).

SOIL DESCRIPTION

Soils are described in the following general sequence. Deviations may occur in some instances.

Identification Components

(1) Group Name and Group Symbol

Description Components

- (2) Consistency (Fine-Grained) or Apparent Density (Coarse-Grained)
- (3) Color (*note, the term "to" may be used to indicate a gradational change*)
- (4) Soil Moisture
- (5) Matrix Soil Constituents (Gravel, Sand, Fines)
 - ↳ Proportion (*by weight*), particle size, plasticity of fines, angularity, etc.
- (6) Non-Matrix Soil Materials and Proportions (*by volume*)
- (7) Other Descriptive Information (Unusual Odor, Structure, Texture, etc.)
- (8) [Geologic Formation Name or Soil Survey Unit]

SPT N-VALUE CORRELATIONS

Consistency	SPT N-Value	Apparent Density	SPT N-Value
Very soft	0 - 2	Very loose	0 - 5
Soft	2 - 4	Loose	5 - 10
Medium stiff	4 - 8	Medium dense	10 - 30
Stiff	8 - 15	Dense	30 - 50
Very stiff	15 - 30	Very dense	> 50
Hard	> 30		

SOIL MOISTURE

Dry..... Apparent absence of moisture; dry to the touch.
Moist..... Damp but no visible water.
Wet..... Visible free water; saturated.

PROPORTIONS / PERCENTAGES

Proportions of gravel, sand, and fines (excluding cobbles, boulders, and other constituents) are stated in the following terms indicating a range of percentages by weight (to nearest 5%) of the minus 3-in. soil fraction and add up to 100%.

Proportions of cobbles, boulders, and other non-matrix soil materials including artificial debris, roots, plant fibers, etc. are stated in the following terms indicating a range of percentages by volume (to the nearest 5%) of the total soil.

Mostly 50% - 100%	Numerous 40% - 50%
Some 30% - 45%	Common 25% - 35%
Little 15% - 25%	Occasional 10% - 20%
Few 5% - 10%	Trace Less than 5%
Trace Less than 5%	

PLASTICITY (FINES ONLY)

Non-plastic..... Dry specimen ball falls apart easily. Cannot be rolled into thread at any moisture content.
Low..... Dry specimen ball easily crushed with fingers. Can be rolled into 1/8-in. thread with some difficulty.
Medium..... Difficult to crush dry specimen ball with fingers. Easily rolled into 1/8-in. thread.
High..... Cannot crush dry specimen ball with fingers. Easily rolled and re-rolled into 1/8-in. thread.

COBBLES AND BOULDERS

Cobbles - Particles of rock that will pass a 12-in. square opening and be retained on a 3-in. sieve.

Boulders - Particles of rock that will not pass a 12-in. square opening.

Note: Where the percentage (by volume) of cobbles and/or boulders cannot be accurately or reliably estimated, the terms "with cobbles", "with boulders", or "with cobbles and boulders" may be used to indicate observed or inferred presence.

GUIDE TO SUBSURFACE EXPLORATION LOGS



INDEX SHEET 3 ROCK DESCRIPTION

ROCK DEFINITION

Where reported on an exploration log, *rock* is defined as any naturally formed aggregate of mineral matter occurring in larges masses or fragments. This definition of rock should not be taken as a replacement for any definitions relating to rock and/or rock excavation defined in construction documents. Intensely weathered or decomposed rock that is friable and can be reduced to gravel size particles or smaller by normal hand pressure is identified and described as soil. Poorly indurated formational materials which display both rock-like and soil-like properties are identified and described as rock followed by the soil description. In such cases, the term "poorly indurated" or "weakly cemented" is added to the rock name (e.g. weakly cemented sandstone).

ROCK IDENTIFICATION

Rock is identified by a combination of *rock type* (igneous, metamorphic, or sedimentary) followed by the the *rock name* (e.g. granite, schist, sandstone).

ROCK DESCRIPTION

Rock descriptions are presented in the following general sequence. The detail of description is dictated by the complexity and objectives of the project.

Identification Components

(1) Rock Type and Name

Description Components

- (2) Rock Grain Size (*for clastic sedimentary rock*)
- (3) Crystal Size (*for igneous and metamorphic rock*)
- (4) Bedding Spacing (*for sedimentary rock*)
- (5) Color
- (6) Hardness and Weathering Descriptors
- (7) Fracture Density
- (8) [Geologic Formation Name]

ROCK QUALITY DESIGNATION

$$RQD (\%) = \frac{\sum \text{Length of intact core pieces} \geq 4 \text{ inches}}{\text{Total length of core run (inches)}} \times 100$$

The RQD should correlate with the fracture density in most cases. Higher RDQ values generally indicate fewer joints and fractures.

GRAIN / CRYSTAL SIZE

Grain Size for Clastic Sedimentary Rock

The names of clastic sedimentary rocks are generally based on their predominant clast or grain size (e.g. fine sandstone, medium sandstone, coarse gravel conglomerate, cobble conglomerate, siltstone, claystone).

Crystal Size for Igneous and Metamorphic Rock

Grain Size Description	Average Crystal Size (in.)
Very coarse grained (pegmatitic)	Greater than or equal to 3/8
Coarse-grained	Between 3/16 and 3/8
Medium-grained	Between 1/32 and 3/16
Fine-grained	Between 1/250 and 1/32
Aphanitic	Less than or equal to 1/250

BEDDING SPACING

Bedding Description	Thickness / Spacing
Massive	Less than 10 ft.
Very thickly bedded	3 ft. to 10 ft.
Thickly bedded	1 ft. to 3 ft.
Moderately bedded	4 in. to 1 ft.
Thinly bedded	1 in. to 4 in.
Very thinly bedded	1/4 in. to 1 in.
Laminated	Less than 1/4 in.

Note: Bedding is generally only applicable to sedimentary or bedded volcanic rocks.

HARDNESS

Hardness	Criteria
Extremely hard	Cannot be scratched with a pocketknife or sharp pick. Can only be chipped with repeated heavy hammer blows.
Very hard	Cannot be scratched with a pocketknife or sharp pick with difficulty. Breaks with repeated heavy hammer blows.
Hard	Can be scratched with with a pocketknife or sharp pick with difficulty. Breaks with heavy hammer blows.
Moderately hard	Can be scratched with a pocketknife or sharp pick with light or moderate pressure. Breaks with moderate hammer blows.
Moderately soft	Can be grooved 1/16 in. deep with a pocketknife or sharp pick with moderate or heavy pressure. Breaks with light hammer blow or heavy manual pressure.
Soft	Can be grooved or gouged easily with a pocketknife or sharp pick. Breaks with light to moderate manual pressure.
Very soft	Can be readily indented, grooved, or gouged with fingernail, or carved with a pocketknife. Breaks with light manual pressure.

WEATHERING (INTACT ROCK)

Weathering Description	Discoloration and/or Oxidation	General Characteristics
Fresh	Body of rock and fracture surfaces are not discolored or oxidized.	Rock texture unchanged. Hammer rings when crystalline rocks are struck.
Slightly weathered	Discoloration or oxidation limited to surface of, or short distance from, fractures. Most surfaces exhibit minor to complete discoloration.	Rock texture preserved. Hammer rings when crystalline rocks are struck. Body of rock not weakened.
Moderately weathered	Discoloration or oxidation extends usually throughout. Fe-Mg minerals appear rusty. All fracture surfaces are discolored or oxidized.	Rock texture generally preserved. Hammer does not ring when rock is struck. Body of rock slightly weakened.
Intensely weathered	Discoloration or oxidation throughout. Feldspar and Fe-Mg minerals altered to clay to some extent. All fracture surfaces are discolored or oxidized and friable.	Rock texture altered by chemical disintegration. Can usually be broken with moderate to heavy manual pressure or by light hammer blow . Body of rock is significantly weakened.
Decomposed	Discoloration or oxidation throughout but resistant minerals such as quartz may be unaltered. All feldspar and Fe-Mg minerals are completely altered to clay.	Resembles a soil; partial or complete remnant rock structure may be preserved. Can be granulated by hand. Resistant minerals may present as stringers or dikes.

FRACTURE DENSITY

Description	Observed Fracture Density
Unfractured	No fractures
Very slightly fractured	Core lengths greater than 3 ft.
Slightly fractured	Core lengths mostly from 1 ft. to 3 ft.
Moderately fractured	Core lengths mostly from 4 in. to 1 ft.
Intensely fractured	Core lengths mostly from 1 in. to 4 in.
Very intensely fractured	Mostly chips and fragments

Note: Fracture density is based on the fracture spacing in recovered core, measured along the core axis (excluding mechanical breaks).

ATTACHMENT D
IMPORTANT INFORMATION ABOUT THIS GEOTECHNICAL-ENGINEERING REPORT

Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer

will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

Most of the “Findings” Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site’s subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

This Report’s Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals’ misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals’ plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note*

conspicuously that you’ve included the material for information purposes only. To avoid misunderstanding, you may also want to note that “informational purposes” means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled “limitations,” many of these provisions indicate where geotechnical engineers’ responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a “phase-one” or “phase-two” environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer’s services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, *proper implementation of the geotechnical engineer’s recommendations will not of itself be sufficient to prevent moisture infiltration.* **Confront the risk of moisture infiltration** by including building-envelope or mold specialists on the design team. **Geotechnical engineers are not building-envelope or mold specialists.**



Telephone: 301/565-2733

e-mail: info@geoprofessional.org www.geoprofessional.org

September 23, 2022

Fidel Maltez
Town Manager
Town of Reading
16 Lowell Street
Reading, MA 01867

Re: **Preliminary Environmental Screening
Symonds Way Parcel
0 East of Haverhill Street
Reading, Massachusetts**

Dear Mr. Maltez:

Weston & Sampson, on behalf of the Town of Reading (the Town) has prepared this letter report to discuss the findings of a preliminary environmental screening (PES) for a portion of the property located at 0 East of Haverhill Street in Reading, Massachusetts (the Site). The Site is also known as the Symonds Way Parcel. The location of the Site is shown on Figure 1 – Locus Map. The objective of this PES is to gather information that may help facilitate the future redevelopment and beneficial reuse of the Site.

As part of this PES, Weston & Sampson reviewed federal, state and local records, historical sources (including topographic maps, aerial photographs, city directories, and Sanborn fire insurance maps), and Massachusetts Department of Environmental Protection (MassDEP) files that are available through the Massachusetts Executive Office of Energy & Environmental Affairs (EEA) online Data Portal (<https://eeaonline.eea.state.ma.us/portal#!/search/wastesite>). Additionally, during the geotechnical evaluation of the Site, Weston & Sampson performed field screening of soils for evidence of contamination.

INTRODUCTION AND BACKGROUND

The Site is an approximately 4.5-acre portion of a 16-acre parcel of undeveloped land. The 16-acre parcel is identified by the Town of Reading Assessing Department as Assessor's Parcel Number (APN) 035.0-0000-0133.0. The 16-acre parcel of land is currently vacant and undeveloped. The majority of the 16-acre parcel consists of wetland areas; however, the Site has been delineated to be outside of the wetland area. We understand that the Town is proposing to separate the Site and the remainder of the 16-acre parcel into two (2) separate parcels. Although a specific plan for redevelopment or reuse has not been developed for the Site, this PES is being conducted to help facilitate future reuse or redevelopment of the Site.

Historical records indicate that the Site was first developed with an unimproved road between 1893 and 1915. The unimproved road appears to have served as access to the Reading Rifle Club property by at least 1944. By 1952, the Site was cleared of vegetation to facilitate development of the Nike B03 missile facility on an adjoining parcel to the north. The unimproved road at the Site appears to have served as an access road for the Nike B03 missile facility, which was reportedly decommissioned in 1963. The road currently serves as an access road to a firing range that adjoins the Site to the east. The Town reported that the Site was recently owned by a construction company that used the Site for construction materials staging. The Town is not aware of the exact date during which the construction company owned the Site and Weston & Sampson identified no practically reviewable records detailing their ownership of the Site.

The Site is located within a primarily residential area of Reading. Based on a review of MassDEP files, the Site is not a known Waste Site or Reportable Release Site (Release Site) under the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000).

PRELIMINARY SITE VISIT

On Tuesday June 9, 2022, Ms. Jill Murphy Ready, Project Geologist, of Weston & Sampson, conducted a site visit to observe the current use of the Site and surrounding area properties. Weston & Sampson observed that adjoining properties to the west of the Site are residential. The adjoining property to the north of the Site is developed with an ice-skating arena, recreational fields, and associated paved parking lots. The adjoining property to the east of the Site is developed with a firing range. Adjoining portions of the 16-acre parcel appear to be undeveloped woodlands and wetlands.

Weston & Sampson observed the Site consisting of undeveloped land that is overgrown with dense vegetation. Surface topography is generally flat with limited areas throughout the Site that are raised above average grade. We observed a limited area in the eastern portion of the Site in which concrete utility structures are stored. We however did not observe evidence of oil and/or hazardous materials (OHMs) at the Site.

HISTORICAL RECORDS REVIEW

Weston & Sampson reviewed several historical resources to:

- Ascertain the previous uses or occupancies of the Site and surrounding properties
- Identify whether those uses or occupancies are likely to have led to releases of OHMs to the environment.

Specifically, Weston & Sampson reviewed historical records available from various Town of Reading Departments and Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. Records provided by EDR included historical Sanborn fire insurance maps, aerial photographs, topographic maps, and city directory records. Copies of records reviewed are provided in Attachment A. Relevant municipal records are provided in Attachment B.

Town of Reading Municipal Records

Weston & Sampson submitted a Freedom of Information Act (FOIA) request with the Reading Town Clerk for files regarding the storage and use of hazardous materials and petroleum products at the Site. Ms. Laura Gemme, CMC/CMMC of the Clerk's Office contacted the Reading Building Department, Engineering Division, and Fire Department requesting such relevant records. The Reading Fire Department and Building Department reported no relevant information regarding current or historical conditions at the Site. On June 27, 2022, Mr. Peter Reinhart of the Reading Engineering Division reported that although the Division had no relevant documents related to the Site, Mr. Reinhart was aware of the following commonly known or reasonably ascertainable information regarding historical uses of the Site:

- The general location surrounding the Site was historically developed with a United States Military missile silo, former police shooting range, and a Town of Reading garage that housed the Tree and Moth Department. The general area is currently developed with a shooting range (adjoining the Site to the east) and an ice-skating rink (adjoining the Site to the north). Additionally, the Site was historically owned by a construction company that used the Site for construction materials storage. Mr. Reinhart reported no knowledge of specific types of construction materials that were stored on-site.

Sanborn Fire Insurance Maps

Weston & Sampson requested Sanborn fire insurance maps depicting the Site and surrounding area. Sanborn fire insurance map coverage was not available for the Site.

Aerial Photographs

Weston & Sampson reviewed historical aerial photographs depicting the Site and surrounding areas to evaluate changes in land use and to identify visible areas of potential environmental concern. EDR provided Weston & Sampson with aerial photographs available for the years 1938, 1952, 1955, 1965, 1969, 1978, 1980, 1985, 1995, 2008, 2012, and 2016. The Site and the adjoining parcel to the north appear to have been cleared of vegetation between 1938 and 1952. Based on EDR database records, discussed in the Standard Environmental Records Review section of this letter report, the Site and the adjoining parcels to the north and east of the Site were cleared

for the development of the Nike B03 missile facility. Structures associated with the facility appear to have been primarily located on the parcels to the north and east of the Site, and the Site appears to have been developed with an access road. The Site and adjoining parcels appear to have remained developed with the Nike B03 missile facility structures until sometime between 1985 and 1995.

Historical Topographic Maps

Weston & Sampson reviewed historical topographic maps depicting the Site and surrounding area to evaluate changes in local topography, review changes in land use, and identify property uses of environmental concern. EDR provided Weston & Sampson with topographic maps available for the years 1888, 1893, 1915, 1918, 1943, 1944, 1947, 1951, 1966, 1977, 1979, 1987, 2012, 2015, and 2018. Between 1888 and 1893, the Site and surrounding area appear to have been undeveloped. Between 1893 and 1915, an unimproved road appears to have been constructed across the Site and the surrounding area to the west of the Site appears to have been developed for residential use. Between 1943 and 1944, adjoining properties to the north and east of the Site were developed as the Reading Rifle Club property. The adjoining property to the east of the Site appears to have continued operations as a rifle club property since that time. The Site appears to have remained undeveloped in all years for which topographic map coverage was available; however, it is unclear whether historical Reading Rifle Club operations might have extended onto the Site.

Town Directories

Town directories are commercial publications containing names and addresses of area occupants. The directories may also contain information regarding business processes conducted within a community. EDR provided Weston & Sampson with Reading town directory listings available for the years 1968, 1971, 1975, 1984, 1989, 1992, 1995, 2000, 2005, 2010, and 2014. The Site was not identified in the available town directory listings. Surrounding area property uses included primarily residential uses. Weston & Sampson identified no town directory listings indicative of high-risk uses in the surrounding area.

STANDARD ENVIRONMENTAL RECORDS REVIEW

EDR, on behalf of Weston & Sampson, conducted a search of standard environmental databases maintained by federal, state, and tribal offices to identify records related to the Site and surrounding area. Weston & Sampson then reviewed the database search reports for properties with reported environmental conditions located within approximate minimum search distances, based on the ASTM International (ASTM) Standards E1527-13 and E1527-21. The detailed EDR Radius Report, including maps presenting search results and limitations of the research criteria, is included in Attachment A. Additionally, Weston & Sampson reviewed MassDEP records using the EEA online Data Portal. The Site was not identified in MassDEP records.

Weston & Sampson identified the Site and adjoining properties to the north and east of the Site in the Formerly Used Defense Sites (FUDS) database. The Site and adjoining properties to the north and east of the Site were historically operated as the Nike B03 missile site. According to EDR records, the Site and the adjoining properties to the north and east were included in a land acquisition for 95.62-acres by the United States government in 1954. The Nike B03 property included a control area and launch area that were developed with additional structures including missile silos, two barracks, officer quarters, a generator building, acid storage shed, a mess hall, an administration building, and a motor pool.

Although limited historical records were available detailing the duration of use of the Nike B03 facility, Weston & Sampson identified a December 17, 2011 article in the Reading Patch (www.patch.com) stating that the facility was developed by at least 1955 and decommissioned in 1963. The adjoining parcel to the north of the Site was developed with the Burbank Ice Arena and recreational fields beginning in 1994.

The Site is not listed as a regulated site under the Massachusetts Contingency Plan (MCP); however, MassDEP and other environmental reports indicate that contaminants have been detected in soil and/or groundwater at similar former Nike missile facilities.

FIELD INVESTIGATION

Between July 7 and July 8, 2022, Weston & Sampson performed environmental assessment activities in conjunction with a geotechnical evaluation of the Site. The assessment included field screening of soils during test pit excavations and soil boring advancements. Test pit and soil boring locations, shown on Figure 2, were selected to provide a general characterization of Site conditions. Test pit and soil boring logs associated with the assessment activities are provided as Attachment C.

On July 7, 2022, Weston & Sampson observed the excavation of seven (7) test pits, identified as TP-101 through TP-107, at locations across the Site (Figure 2). During test pit excavations, Weston & Sampson continuously field screened soils for evidence of contamination. Weston & Sampson recorded the following information on test pit logs for each test pit location: soil type, color, and depth; strata thickness; field estimation of moisture content; field instrumentation readings; apparent evidence of soil contamination; and, test pit abandonment details. Soil grab samples, collected at a minimum frequency of one (1) sample per test pit, were screened for total volatile organic compounds (TVOCs) using a PID equipped with a 10.6 electron volt (Ev) lamp in accordance with the MassDEP-approved method. On July 8, 2022, Weston & Sampson observed the advancement of four (4) soil borings, identified as B-101 through B-104, at locations across the Site (Figure 2). Weston & Sampson field screened soils for evidence of contamination using the same methods described above for the test pit excavations.

In general, soils at the Site include approximately 12 inches of topsoil, underlain by alternating strata of poorly graded sand and silty sand. Weston & Sampson observed two (2) abandoned cars in a wetland area near TP-101 that were just south of the Site boundary. We also observed debris, including brick fragments and metal strapping, in two test pits, TP-102 and TP-107. We recorded elevated PID readings at three (3) of the four (4) soil boring locations. At two (2) of the boring locations, B-101 and B-102, the readings ranged from 14.7 ppmv to 95.3 ppmv. B-101 and B-102 are located near the wetlands. We however did not observe any visual or olfactory evidence of impacts at B-101 or B-102, such as odors or stressed vegetation.

CONCLUSIONS

Based on the information contained in this PES, Weston & Sampson concludes the following:

- The Site, along with adjoining parcels to the north and east of the Site, were historically developed as the Reading Rifle Club facility between at least 1944 and 1951. Based on topographic maps available for the surrounding area, it is unclear whether rifle club operations extended onto the Site.
- The Site was developed with an access road for the Nike B03 missile facility by at least 1955. The Nike B03 facility operated primarily on adjoining parcels to the north and east of the Site until 1963, and remained vacant until the early 1990s. By 1994, the adjoining parcel to the north of the Site was developed with the Burbank Ice Arena and recreational fields. Although the Site is not regulated under the MCP, contaminants have been detected at similar Nike missile sites in Massachusetts.
- During the field assessment, Weston & Sampson observed the following evidence of possible impacts at the Site:
 - Two (2) abandoned cars just south of TP-101
 - Elevated PID readings for soil samples collected at B-101, B-102, and B-103
 - Non-native fill materials, including some debris, were observed at two locations, TP-102 and TP-107.

RECOMMENDATIONS

Based on the above findings, Weston & Sampson recommends surficial soil sampling to evaluate potential lead impacts from the firing range. In addition, due to the presence of elevated PID readings, the Town should also consider soil and groundwater sampling to evaluate potential contamination at the Site.

If you have any questions, please contact us at (978)-532-1900.

Sincerely,

WESTON & SAMPSON ENGINEERS, INC.



Jill Murphy Ready
Project Geologist



Prasanta K. Bhunia, LSP
Vice President

Attachments/Enclosures:

- Figure 1 - Locus Map
- Figure 2 – Site Plan
- Attachment A – EDR Historical and Database Reports
- Attachment B – Municipal Records
- Attachment C – Field Documentation

FIGURES

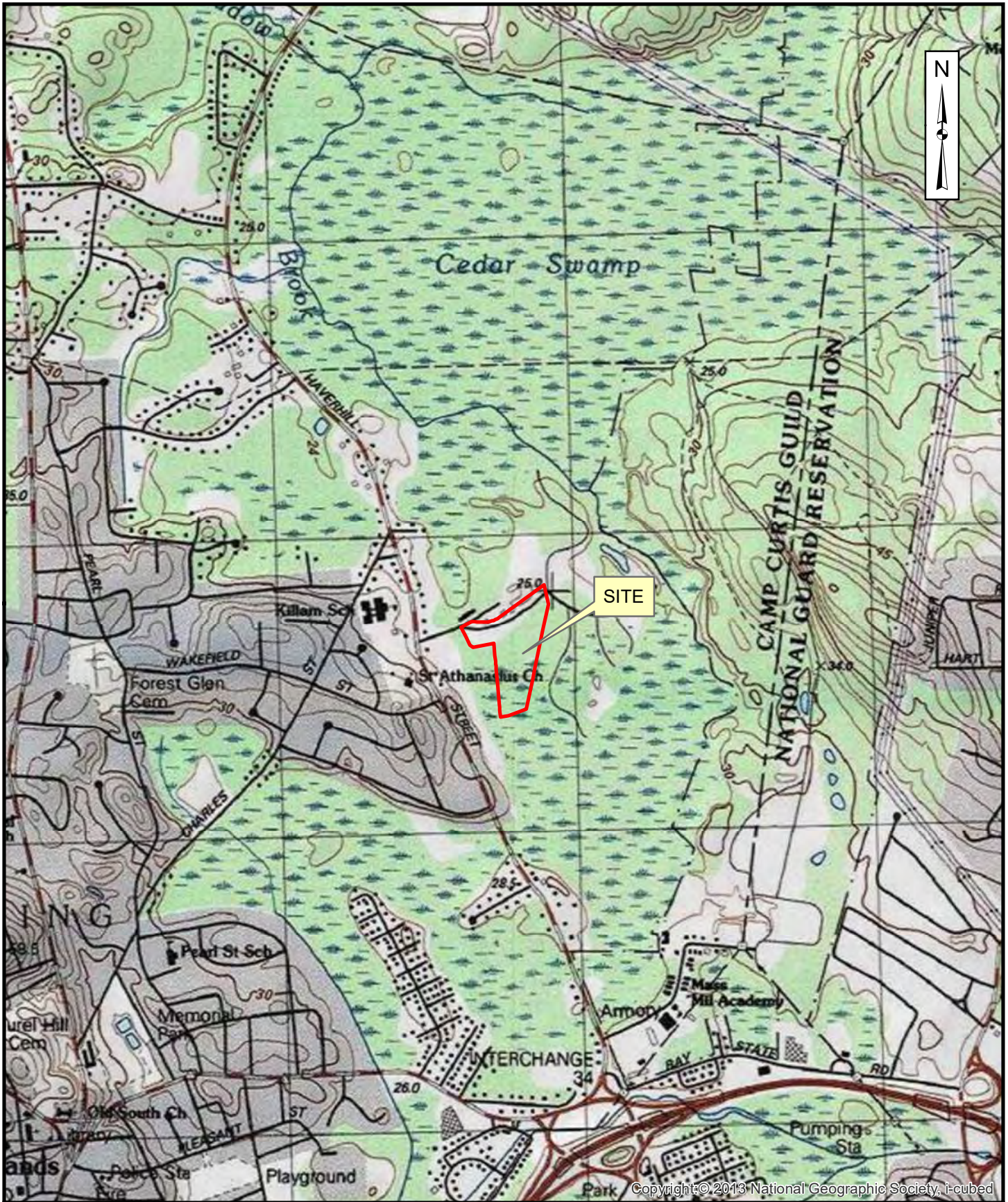
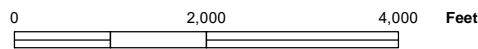


FIGURE 1
TOWN OF READING, MASSACHUSETTS
SYMONDS WAY PARCEL

LOCUS MAP



ATTACHMENT A
EDR HISTORICAL AND DATABASE REPORTS

Symonds Way
0 E of Haverhill Street
Reading, MA 01867

Inquiry Number: 7011317.3

June 09, 2022

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

06/09/22

Site Name:

Symonds Way
0 E of Haverhill Street
Reading, MA 01867
EDR Inquiry # 7011317.3

Client Name:

Weston and Sampson Engineers
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
Contact: Jill Murphy Ready



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Weston and Sampson Engineers were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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Certified Sanborn Results:

Certification # 0F48-43D1-9A30
PO # NA
Project ENG22-0249

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 0F48-43D1-9A30

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Symonds Way
0 E of Haverhill Street
Reading, MA 01867

Inquiry Number: 7011317.4

June 08, 2022

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

06/08/22

Site Name:

Symonds Way
0 E of Haverhill Street
Reading, MA 01867
EDR Inquiry # 7011317.4

Client Name:

Weston and Sampson Engineers
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
Contact: Jill Murphy Ready



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Weston and Sampson Engineers were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	42.539934 42° 32' 24" North
Project:	ENG22-0249	Longitude:	-71.084381 -71° 5' 4" West
		UTM Zone:	Zone 19 North
		UTM X Meters:	328840.19
		UTM Y Meters:	4711832.74
		Elevation:	81.00' above sea level

Maps Provided:

2018	1947
2015	1944
2012	1943
1987	1918
1979	1915
1977	1893
1966	1888
1951	

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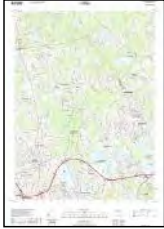
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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

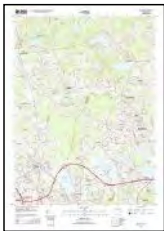
2018 Source Sheets



Reading

7.5-minute, 24000

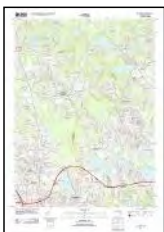
2015 Source Sheets



Reading

7.5-minute, 24000

2012 Source Sheets



Reading

7.5-minute, 24000

1987 Source Sheets



Reading

7.5-minute, 25000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1979 Source Sheets



Reading

7.5-minute, 25000
Aerial Photo Revised 1977

1977 Source Sheets



Reading

7.5-minute, 25000
Aerial Photo Revised 1977

1966 Source Sheets



Reading

7.5-minute, 24000
Aerial Photo Revised 1939

1951 Source Sheets



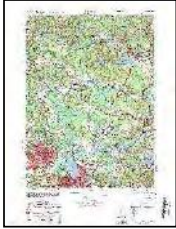
Reading

7.5-minute, 24000

Topo Sheet Key

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1947 Source Sheets



READING

7.5-minute, 25000

1944 Source Sheets



Reading

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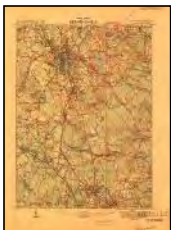
1943 Source Sheets



Lowell

30-minute, 125000

1918 Source Sheets



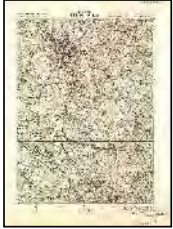
Lawrence

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Topo Sheet Key

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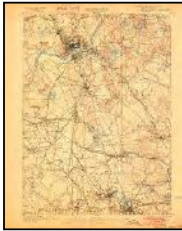
1915 Source Sheets



LAWRENCE

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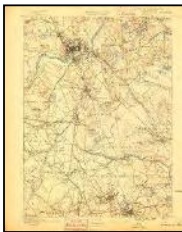
1893 Source Sheets



Lawrence

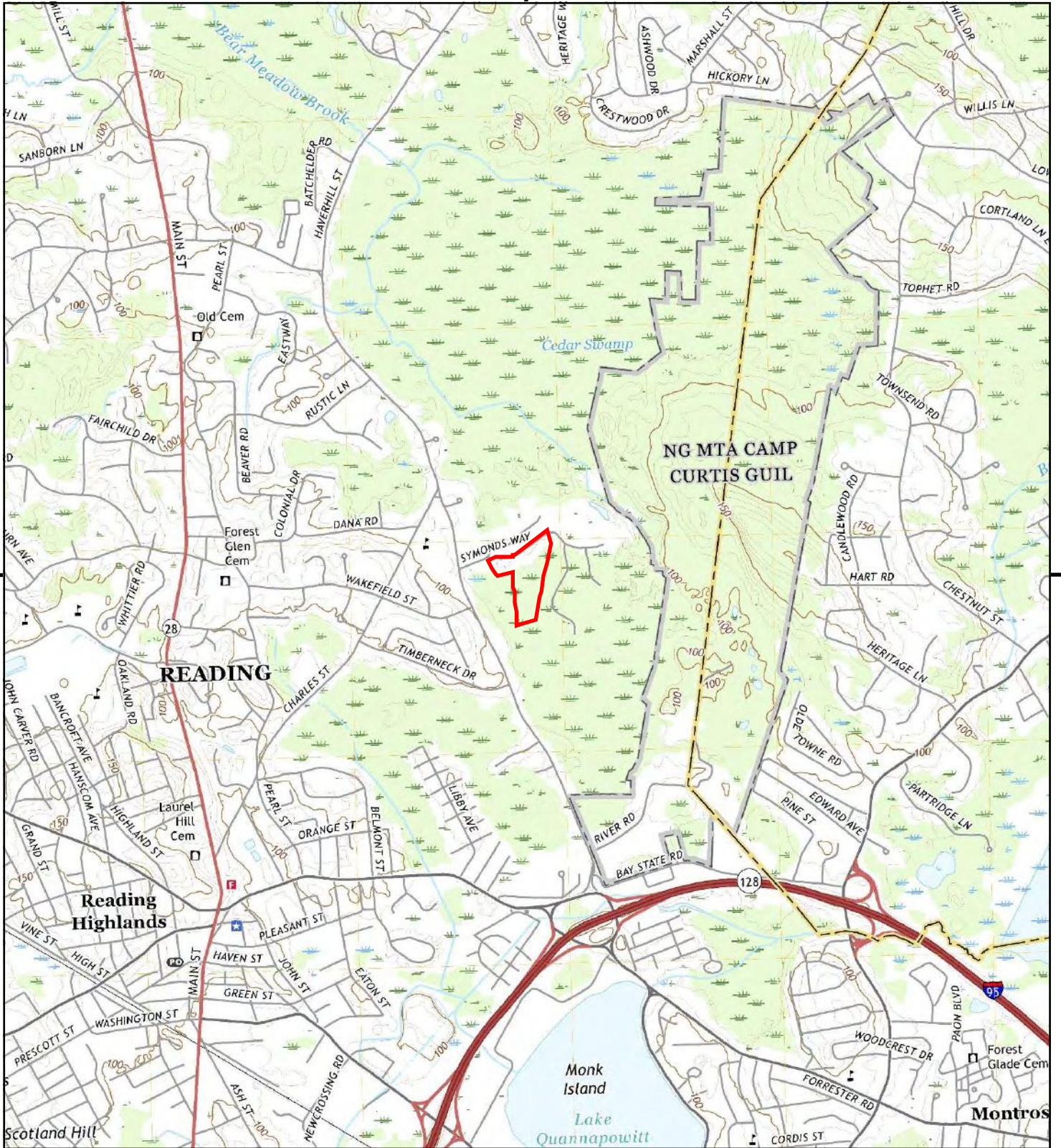
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1888 Source Sheets

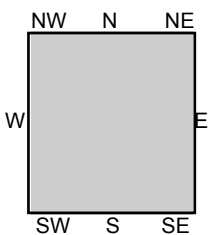


Lawrence

15-minute, 62500



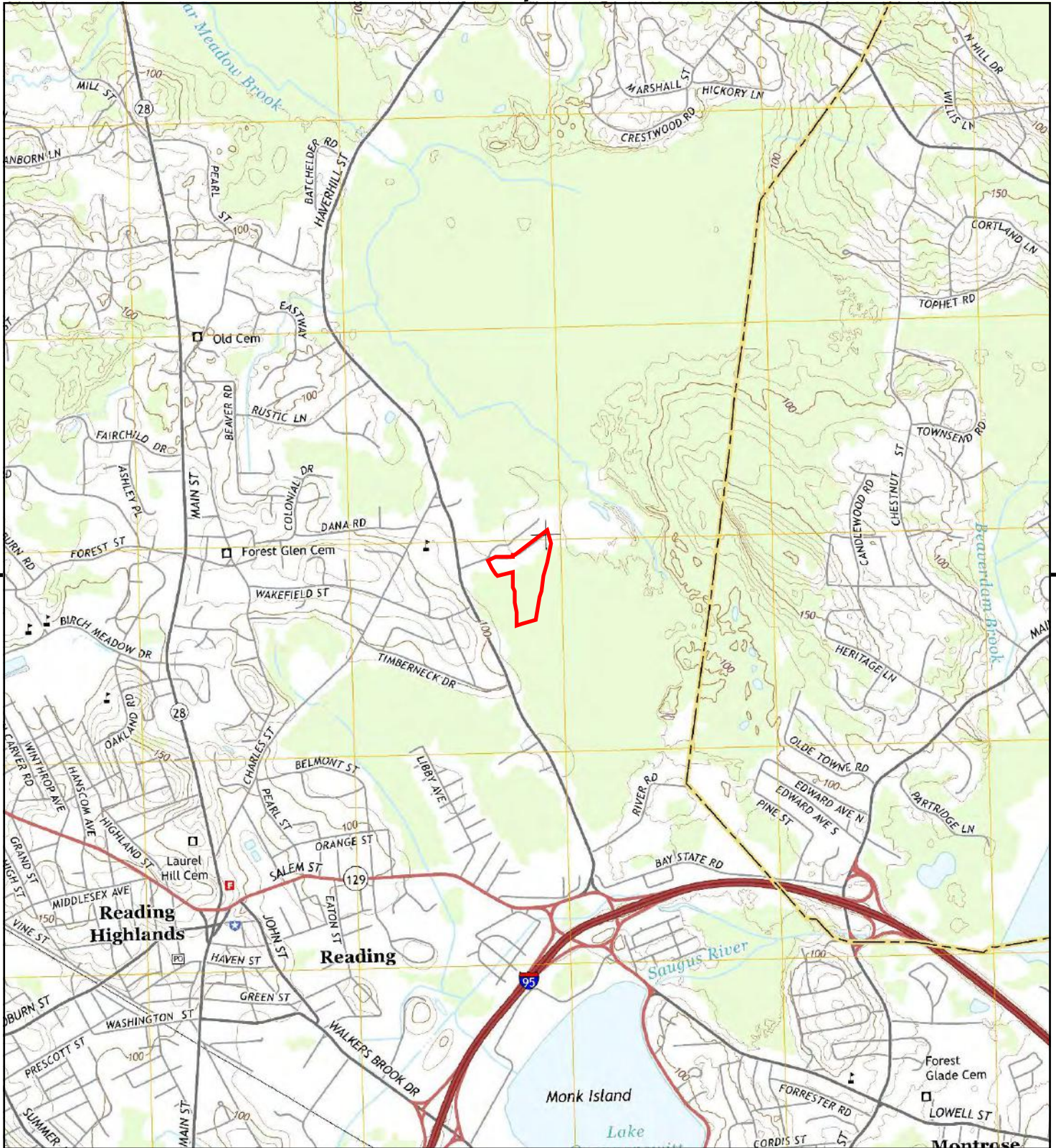
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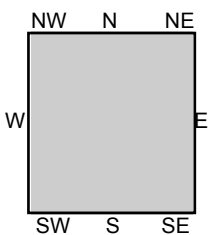
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SITE NAME: Symonds Way
ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
CLIENT: Weston and Sampson Engineers





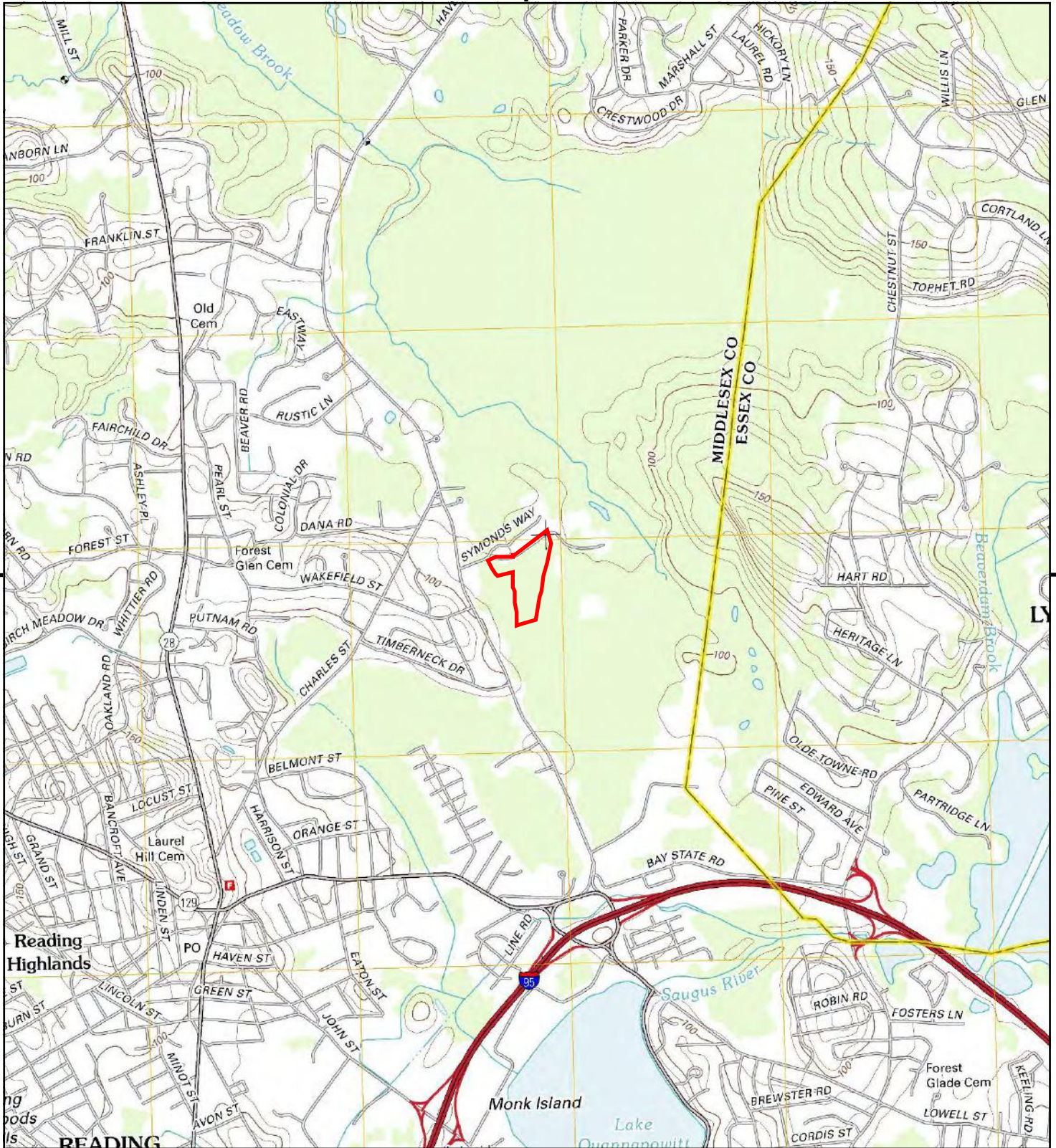
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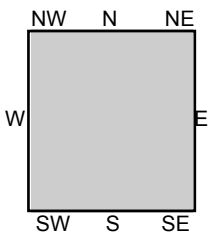
TP, Reading, 2015, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





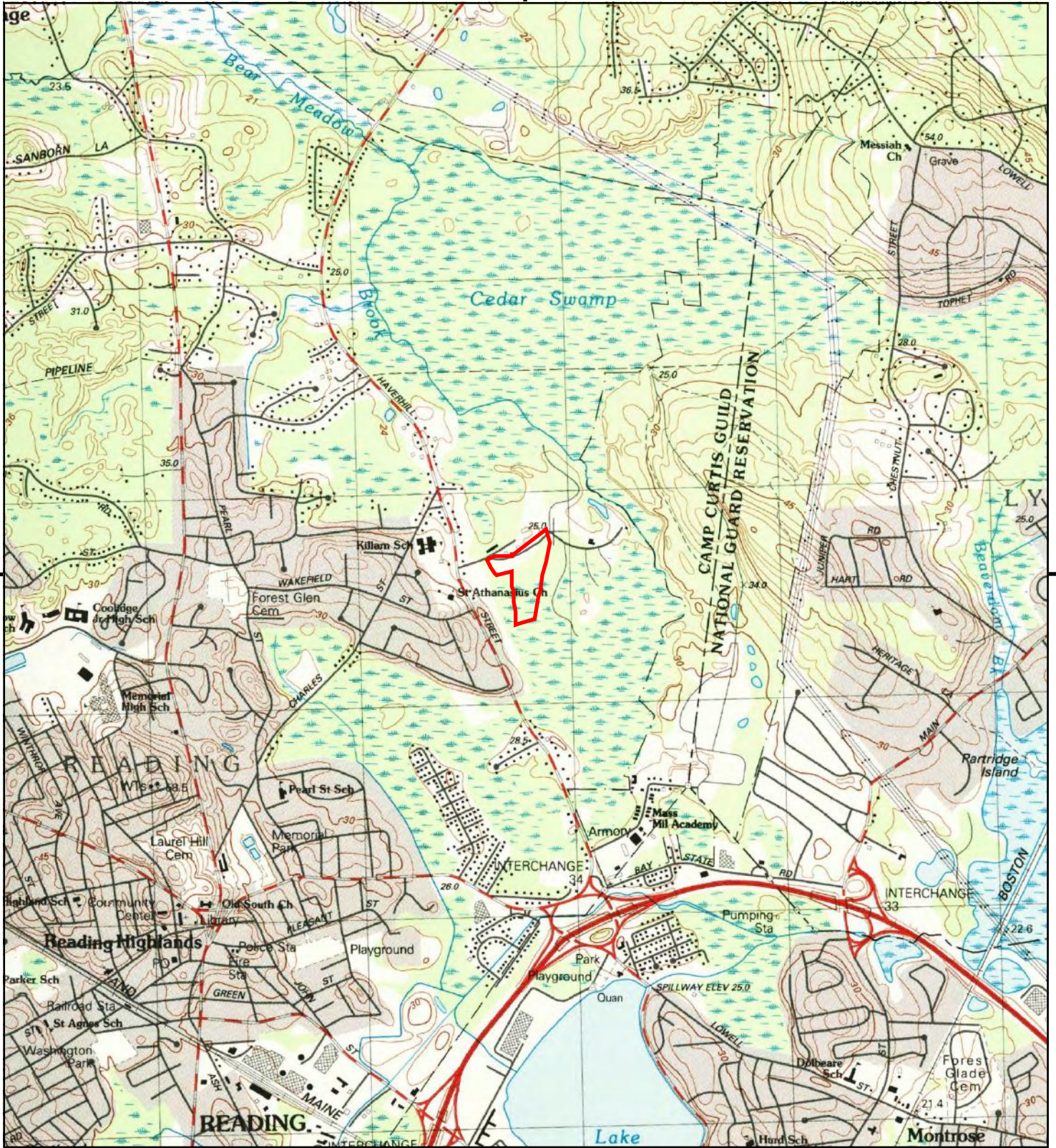
This report includes information from the following map sheet(s).



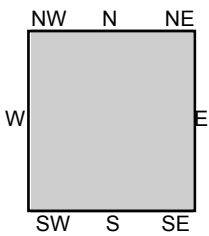
TP, Reading, 2012, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





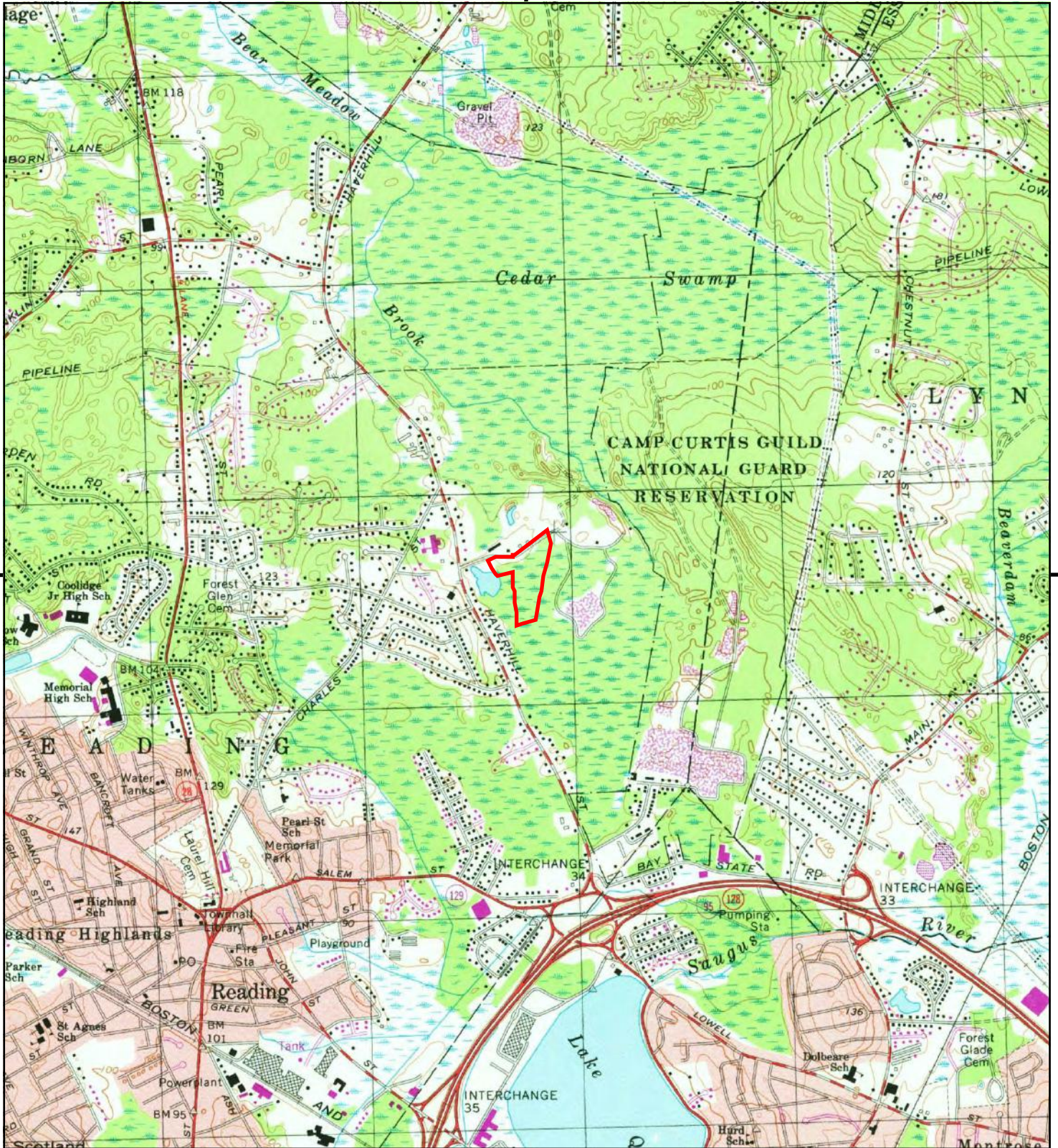
This report includes information from the following map sheet(s).



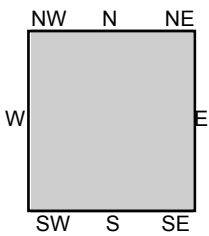
TP, Reading, 1987, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





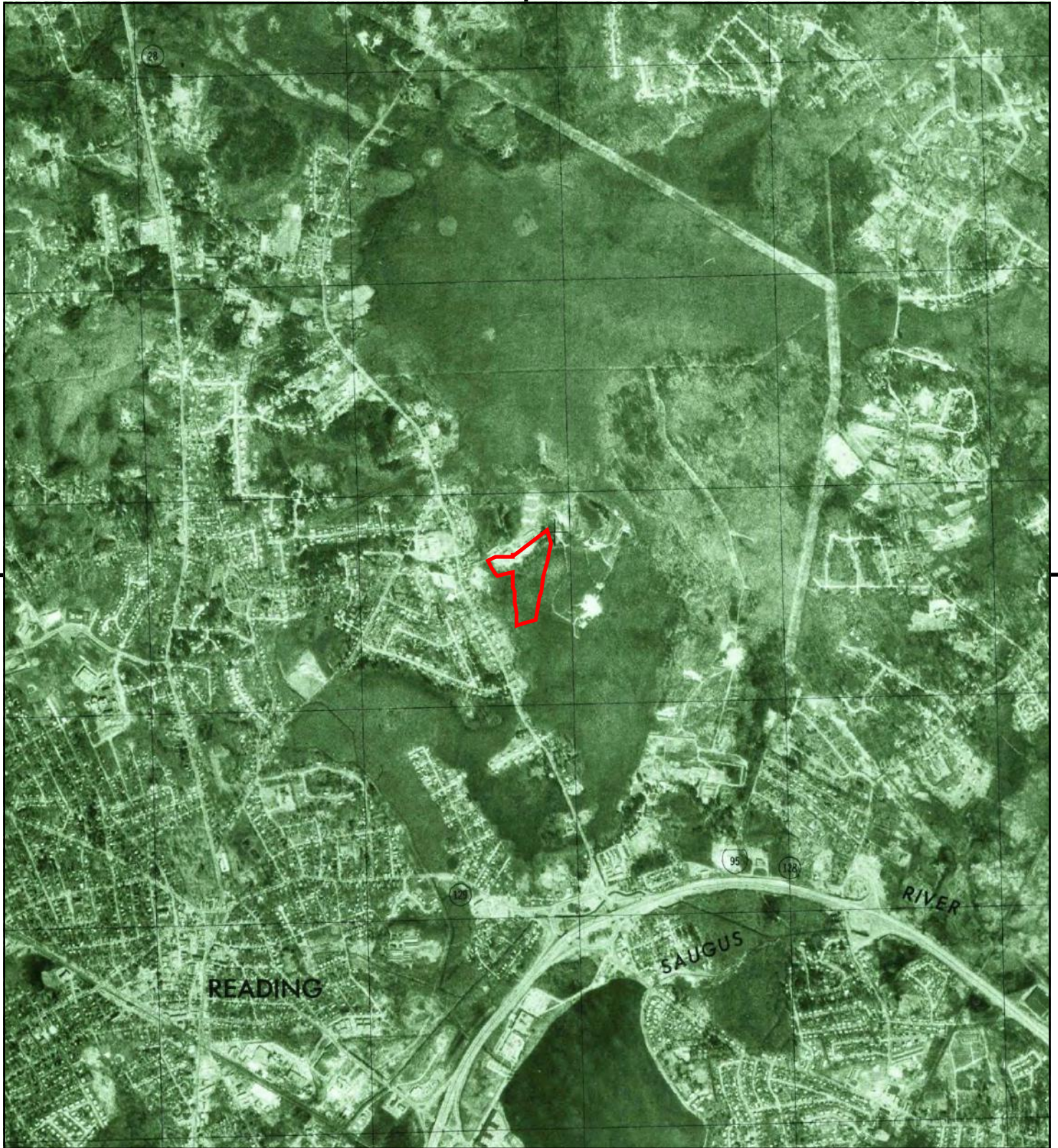
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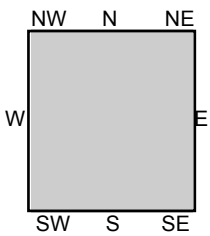
TP, Reading, 1979, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





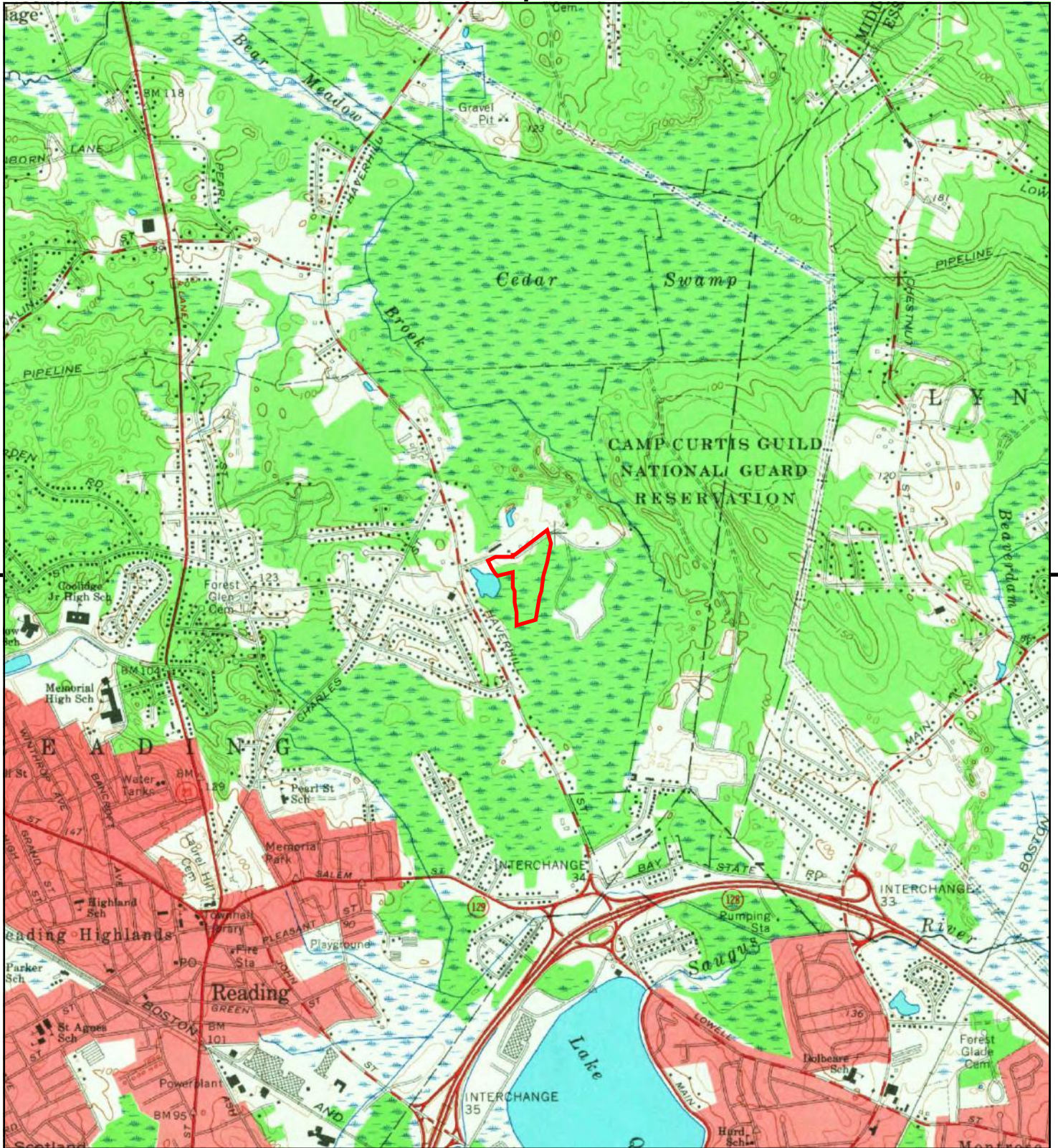
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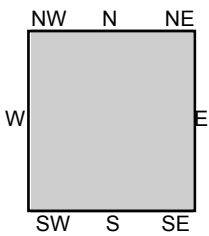
TP, Reading, 1977, 7.5-minute

SITE NAME: Symonds Way
ADDRESS: 0 E of Haverhill Street
Reading, MA 01867
CLIENT: Weston and Sampson Engineers





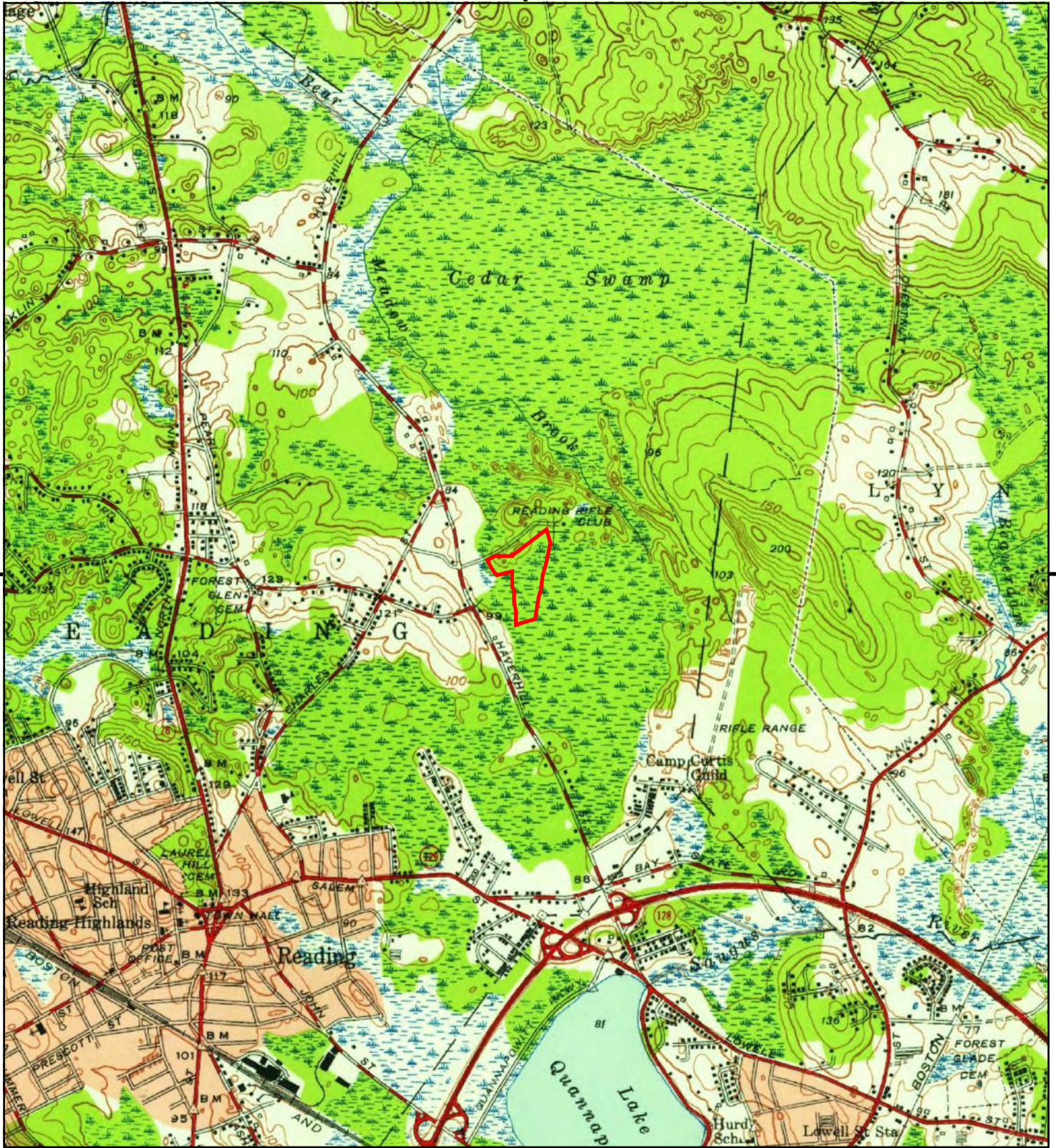
This report includes information from the following map sheet(s).



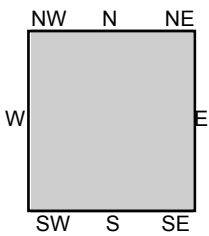
TP, Reading, 1966, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





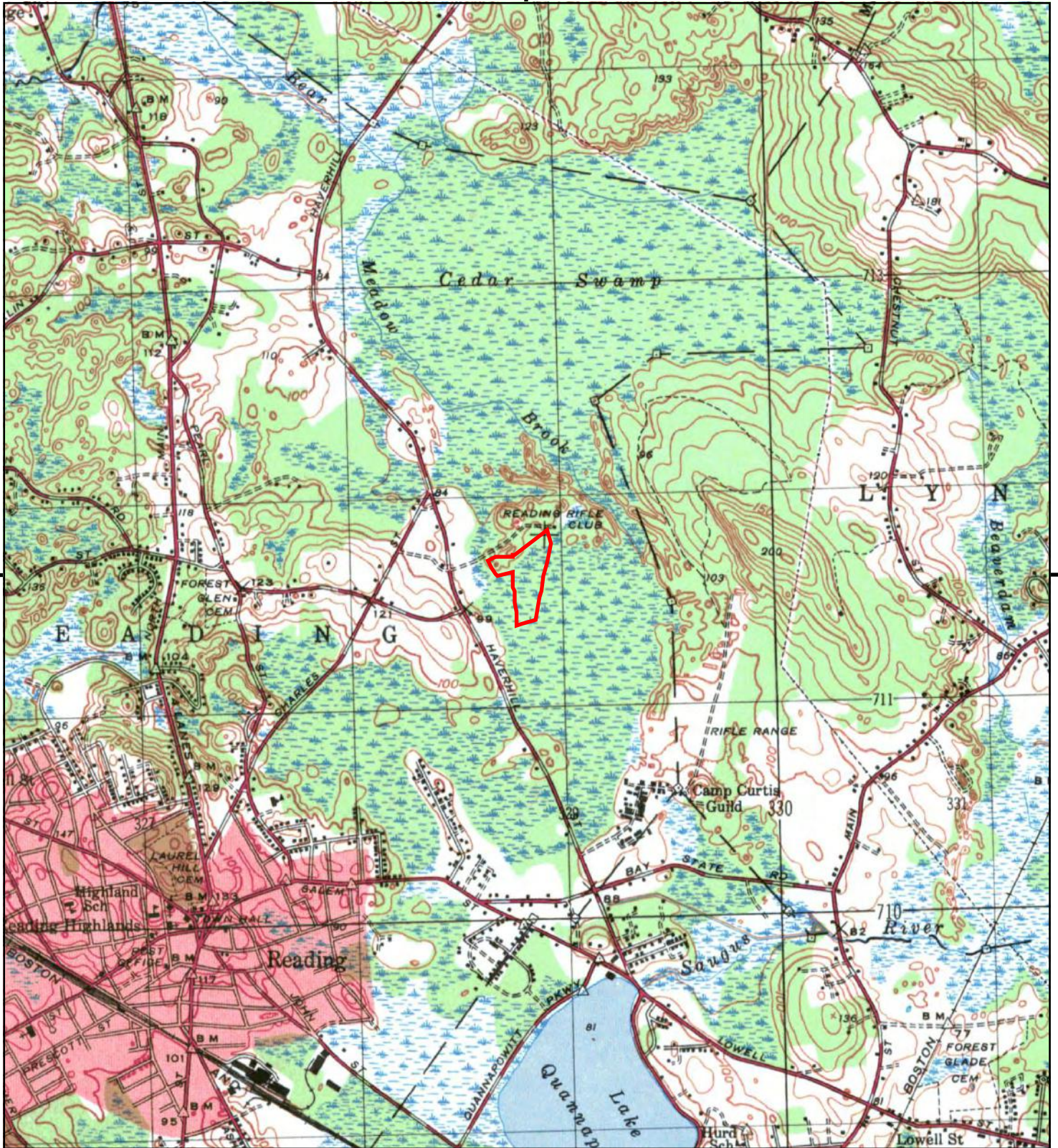
This report includes information from the following map sheet(s).



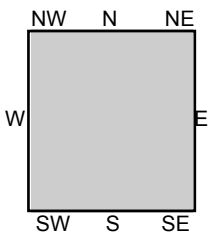
TP, Reading, 1951, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





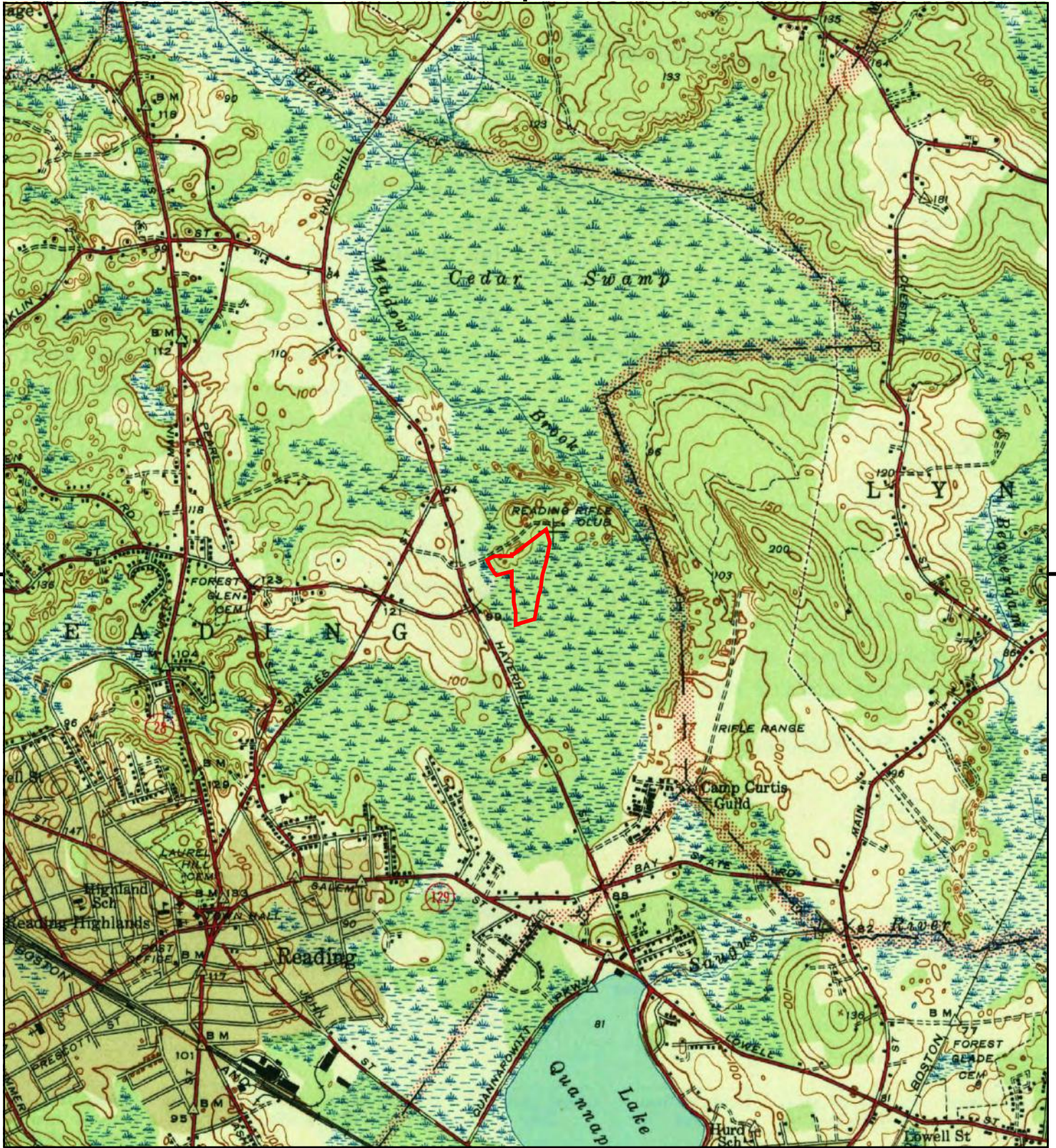
This report includes information from the following map sheet(s).



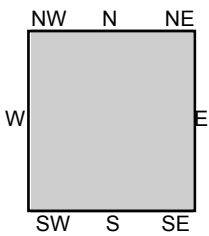
TP, READING, 1947, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





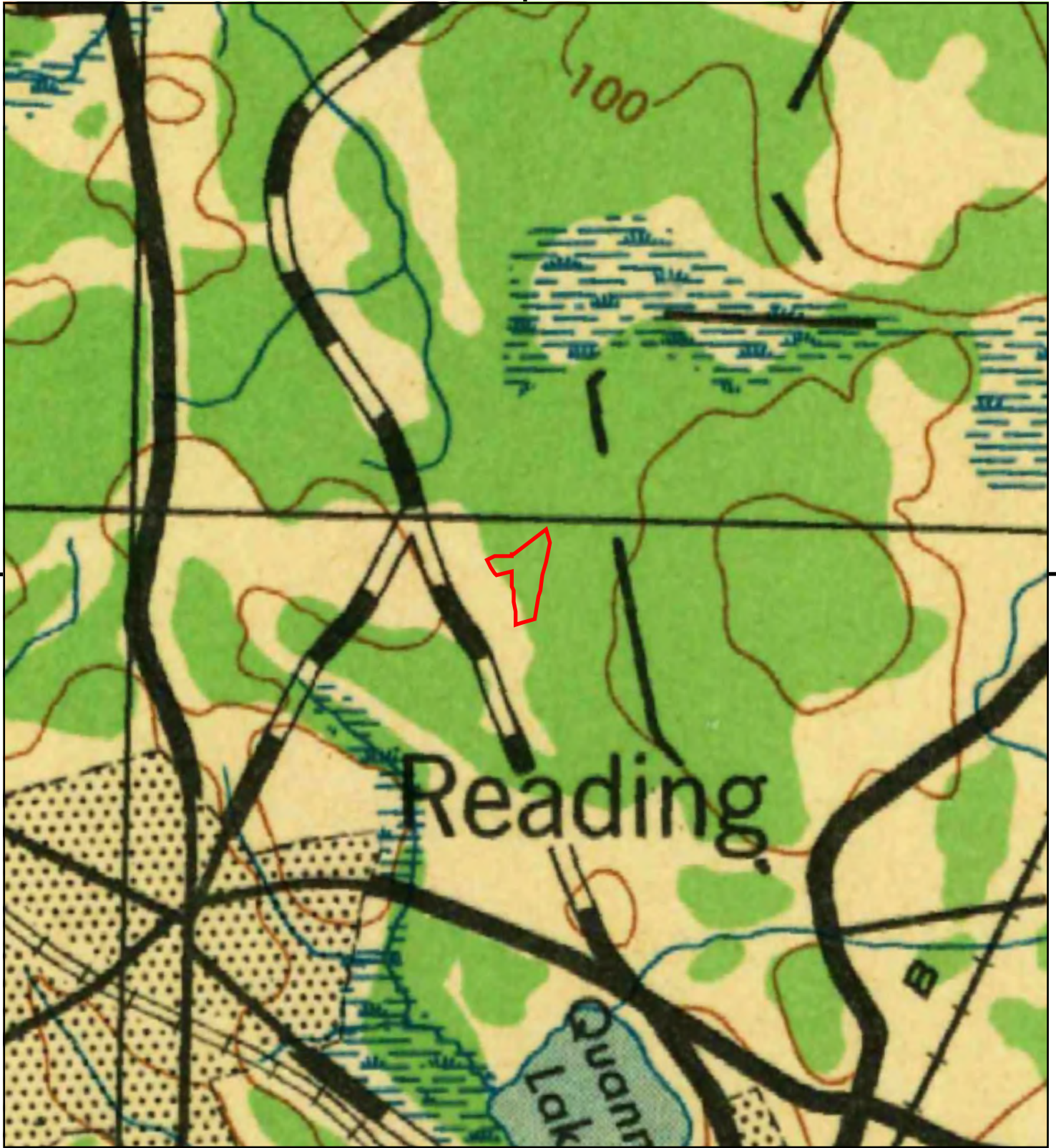
This report includes information from the following map sheet(s).



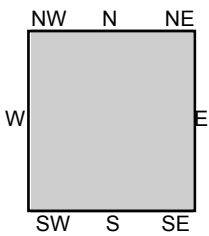
TP, Reading, 1944, 7.5-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





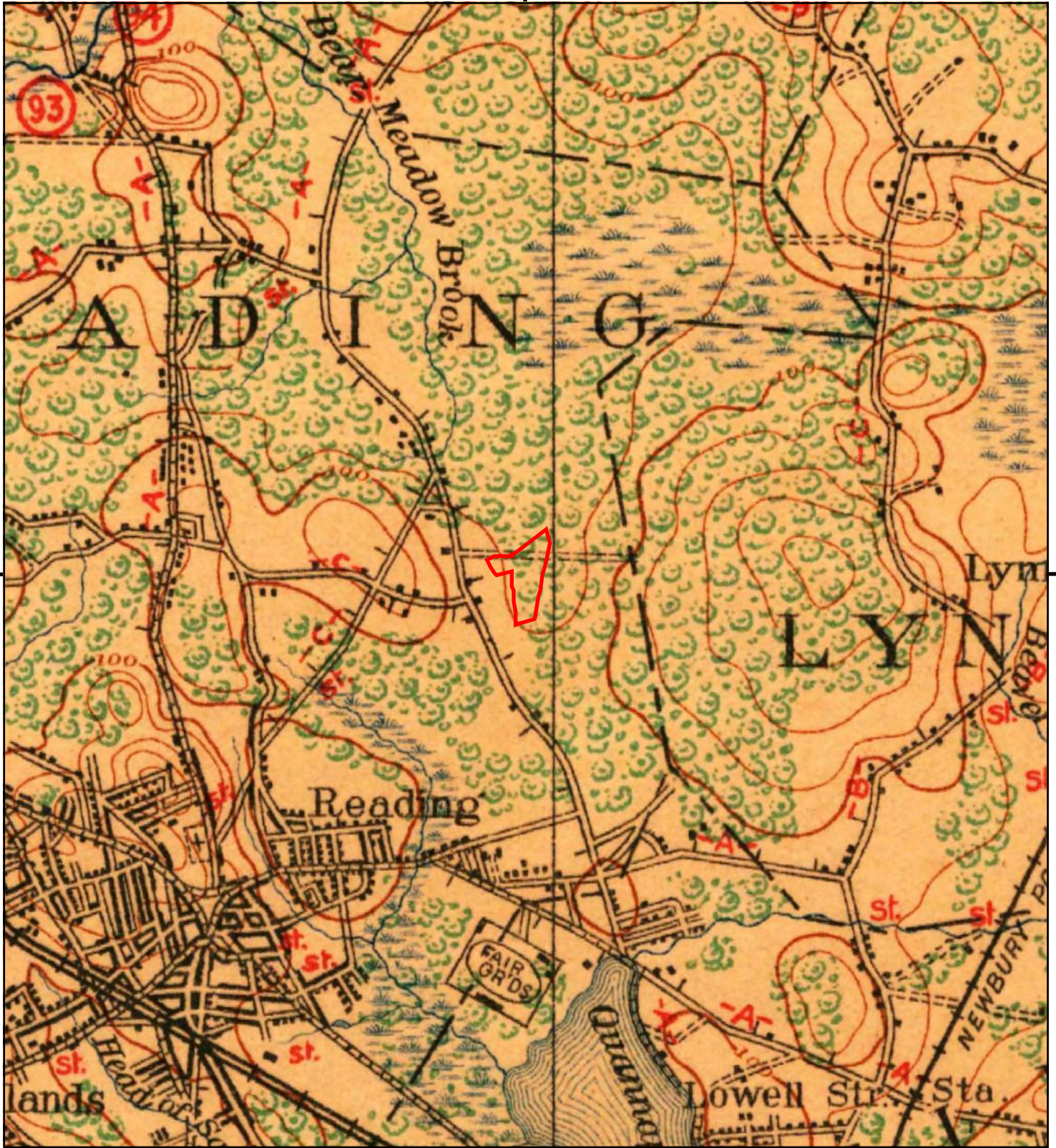
This report includes information from the following map sheet(s).



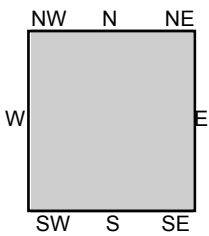
TP, Lowell, 1943, 30-minute

SITE NAME: Symonds Way
ADDRESS: 0 E of Haverhill Street
Reading, MA 01867
CLIENT: Weston and Sampson Engineers





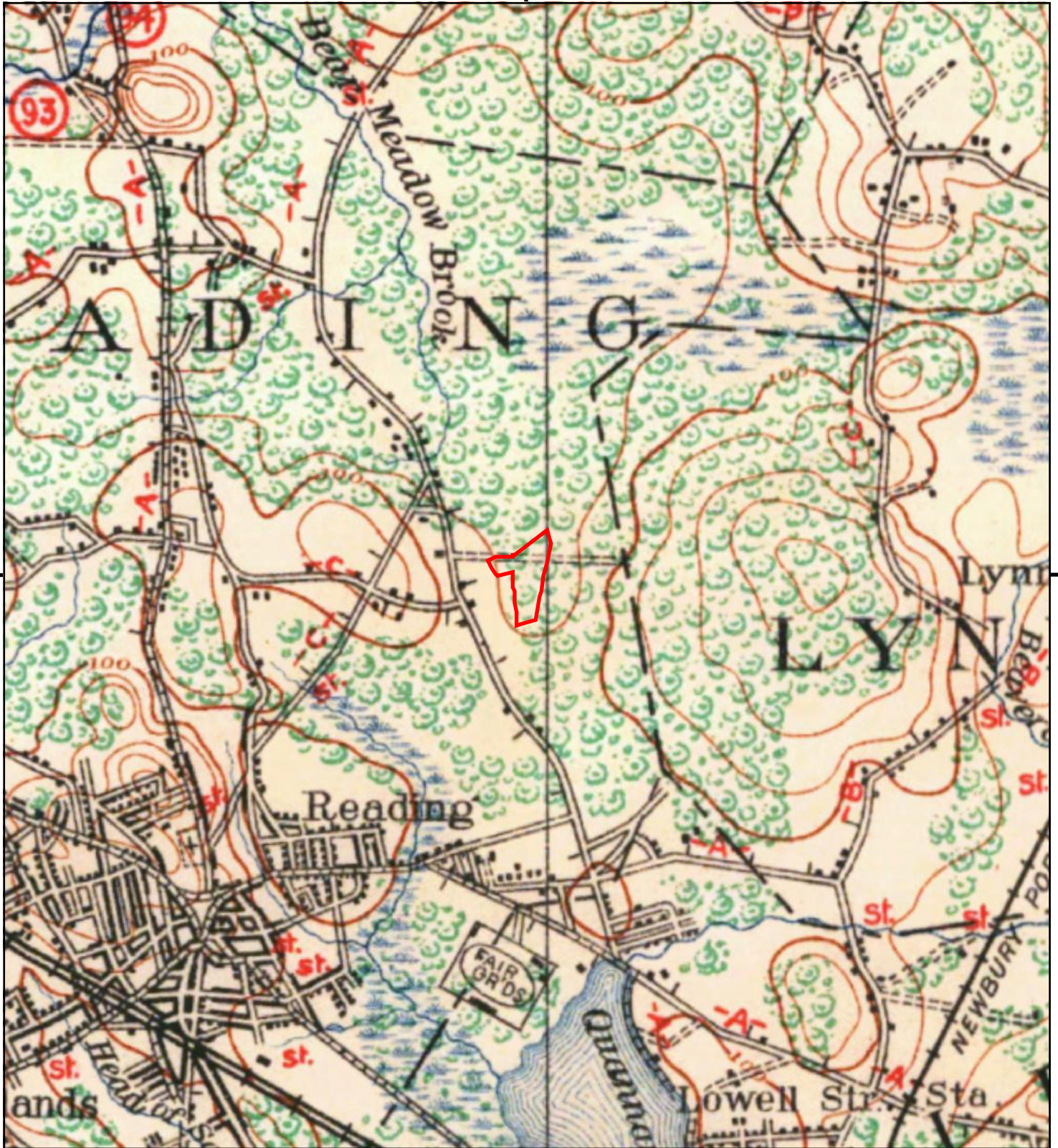
This report includes information from the following map sheet(s).



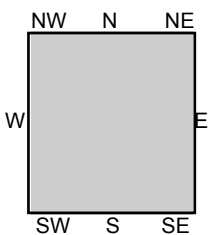
TP, Lawrence, 1918, 15-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





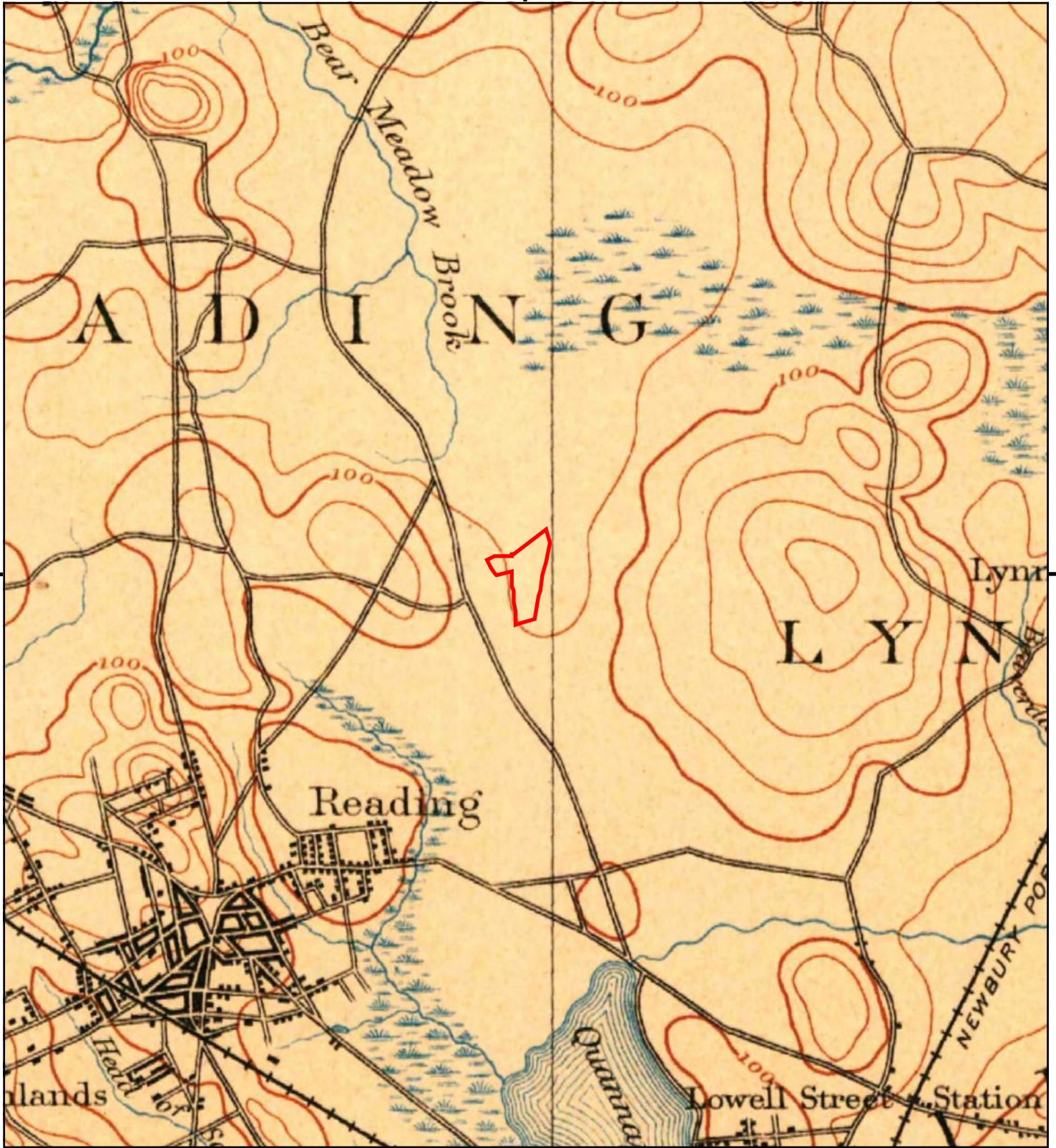
This report includes information from the following map sheet(s).



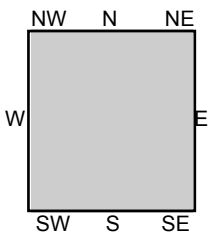
TP, LAWRENCE, 1915, 15-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





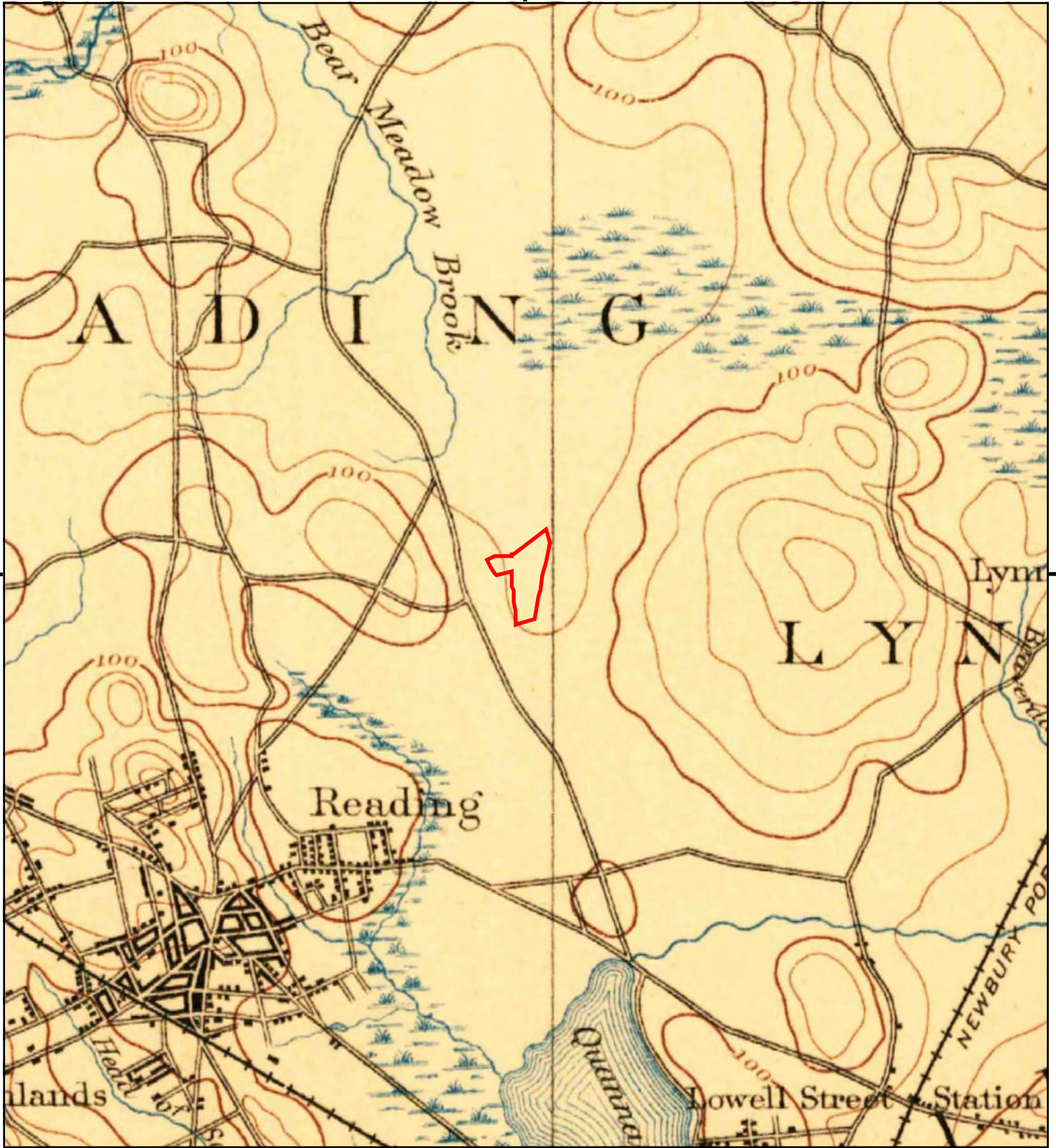
This report includes information from the following map sheet(s).



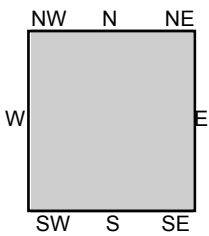
TP, Lawrence, 1893, 15-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





This report includes information from the following map sheet(s).



TP, Lawrence, 1888, 15-minute

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading, MA 01867
 CLIENT: Weston and Sampson Engineers





Symonds Way

0 E of Haverhill Street

Reading, MA 01867

Inquiry Number: 7011317.8

June 10, 2022

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

06/10/22

Site Name:

Symonds Way
0 E of Haverhill Street
Reading, MA 01867
EDR Inquiry # 7011317.8

Client Name:

Weston and Sampson Engineers
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
Contact: Jill Murphy Ready



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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
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: April 03, 1995	USGS/DOQQ
1985	1"=500'	Flight Date: April 17, 1985	USDA
1980	1"=500'	Flight Date: September 28, 1980	USDA
1978	1"=500'	Flight Date: April 23, 1978	USGS
1969	1"=500'	Flight Date: April 09, 1969	USGS
1965	1"=500'	Flight Date: April 06, 1965	USGS
1955	1"=500'	Flight Date: December 01, 1955	USGS
1952	1"=500'	Flight Date: August 24, 1952	USDA
1938	1"=500'	Flight Date: November 10, 1938	USGS

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INQUIRY #: 7011317.8

YEAR: 2016

—= 500'





INQUIRY #: 7011317.8

YEAR: 2012

— = 500'





INQUIRY # 7011317.8

YEAR: 2008

— = 500'





INQUIRY #: 7011317.8

YEAR: 1995

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7011317.8

YEAR: 1985

— = 500'





INQUIRY #: 7011317.8

YEAR: 1980

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7011317.8

YEAR: 1978

— = 500'





INQUIRY #: 7011317.8

YEAR: 1969

— = 500'





INQUIRY #: 7011317.8

YEAR: 1965

— = 500'





INQUIRY #: 7011317.8

YEAR: 1955

— = 500'



INQUIRY #: 7011317.8

YEAR: 1952



= 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Symonds Way

0 E of Haverhill Street

Reading, MA 01867

Inquiry Number: 7011317.2s

June 08, 2022

The EDR Radius Map™ Report with GeoCheck®



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

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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 (E1527-21), 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

0 E OF HAVERHILL STREET
READING, MA 01867

COORDINATES

Latitude (North): 42.5399340 - 42° 32' 23.76"
Longitude (West): 71.0843810 - 71° 5' 3.77"
Universal Transverse Mercator: Zone 19
UTM X (Meters): 328835.4
UTM Y (Meters): 4711618.5
Elevation: 81 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 11762183 READING, MA
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140712
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 0 E OF HAVERHILL STREET
 READING, MA 01867

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	NG MTA CAMP CURTIS G		DOD	Same	1013, 0.192, ENE
1	NIKE 03		FUDS	Higher	71, 0.013, NNW
2	NO LOCATION AID	40 BAINBRIDGE ST	MA LAST, MA RELEASE	Higher	1242, 0.235, West
3	CHARLES STREET PUMP	CHARLES AND HAVERHIL	MA SHWS, MA RELEASE	Lower	1346, 0.255, NW
4	NO LOCATION AID	49 GREY COACH RD	MA SHWS, MA INST CONTROL, MA RELEASE	Higher	2610, 0.494, NW
5	NO LOCATION AID	65-73 RUSTIC LN	MA SHWS, MA RELEASE	Higher	3537, 0.670, NW
6	NO LOCATION AID	37 LATHAM LN	MA SHWS, MA RELEASE	Higher	3618, 0.685, WNW
A7	MA ARMY NATIONAL GUA	25 HAVERHILL ST	RCRA-SQG, MA SHWS, MA RELEASE, RI MANIFEST, NJ...	Higher	4004, 0.758, SSE
A8	CAMP CURTIS GUILD	25 HAVERHILL ST	MA SHWS, MA UST, MA AST, MA INST CONTROL, MA...	Higher	4004, 0.758, SSE
9	CUMBERLAND FARMS INC	295 SALEM ST	MA SHWS, MA RELEASE	Higher	4395, 0.832, South
10	WEBER & SMITH INC	15 PIERCE ST	MA SHWS, MA UST, MA RELEASE	Higher	4467, 0.846, SW
11	MAZDA DEALERSHIP	77 BAYSTATE ROAD	MA SHWS, MA RELEASE	Higher	4555, 0.863, SSE
12	NO LOCATION AID	1078 MAIN ST	MA SHWS, MA RELEASE	Higher	4747, 0.899, West
13	RESIDENCE	54 EDWARD AVENUE NOR	MA SHWS, MA LUST, MA RELEASE, MA ENF	Higher	4805, 0.910, SE
14	POWER PRODUCTS SYSTE	90 BAY STATE RD	RCRA-SQG, MA SHWS, MA UST, MA RELEASE, MA...	Higher	4864, 0.921, SE

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

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

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

EXECUTIVE SUMMARY

US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

MA 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

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

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

MA PFAS..... PFAS Contaminated Sites Listing

Local Land Records

MA LIENS..... Liens Information Listing

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

MA SPILLS..... Historical Spill List
MA SPILLS 90..... SPILLS 90 data from FirstSearch
MA SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... 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 ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... 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
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
UXO..... Unexploded Ordnance Sites
ECHO..... Enforcement & Compliance History Information
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM..... EPA Fuels Program Registered Listing
MA AIRS..... Permitted Facilities Listing
MA DRYCLEANERS..... Regulated Drycleaning Facilities
MA GWDP..... Ground Water Discharge Permits
MA MERCURY..... Mercury Product Recycling Drop-Off Locations Listing
MA NPDES..... NPDES Permit Listing
MA TIER 2..... Tier 2 Information Listing
MA TSD..... TSD Facility
MA 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

EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MA RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
MA 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

Lists of state- and tribal hazardous waste facilities

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

A review of the MA SHWS list, as provided by EDR, and dated 01/19/2022 has revealed that there are 12 MA SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>NO LOCATION AID</i> Release Tracking Number: 3-0019494 Current Status: RAO	<i>49 GREY COACH RD</i>	<i>NW 1/4 - 1/2 (0.494 mi.)</i>	<i>4</i>	<i>15</i>
<i>NO LOCATION AID</i> Release Tracking Number: 3-0024890 Current Status: RAO	<i>65-73 RUSTIC LN</i>	<i>NW 1/2 - 1 (0.670 mi.)</i>	<i>5</i>	<i>21</i>
<i>NO LOCATION AID</i> Release Tracking Number: 3-0020568 Current Status: RAO	<i>37 LATHAM LN</i>	<i>WNW 1/2 - 1 (0.685 mi.)</i>	<i>6</i>	<i>23</i>
<i>MA ARMY NATIONAL GUA</i> Release Tracking Number: 3-0003894 Current Status: RAO	<i>25 HAVERHILL ST</i>	<i>SSE 1/2 - 1 (0.758 mi.)</i>	<i>A7</i>	<i>28</i>
<i>CAMP CURTIS GUILD</i> Release Tracking Number: 3-0014062 Release Tracking Number: 3-0014075 Release Tracking Number: 3-0013808	<i>25 HAVERHILL ST</i>	<i>SSE 1/2 - 1 (0.758 mi.)</i>	<i>A8</i>	<i>57</i>

EXECUTIVE SUMMARY

Release Tracking Number: 3-0024818
Current Status: RAO

CUMBERLAND FARMS INC	295 SALEM ST	S 1/2 - 1 (0.832 mi.)	9	76
Release Tracking Number: 3-0011683 Current Status: RAO				
WEBER & SMITH INC	15 PIERCE ST	SW 1/2 - 1 (0.846 mi.)	10	79
Release Tracking Number: 3-0000991 Current Status: PENNFA				
MAZDA DEALERSHIP	77 BAYSTATE ROAD	SSE 1/2 - 1 (0.863 mi.)	11	83
Release Tracking Number: 3-0034369 Current Status: PSNC				
NO LOCATION AID	1078 MAIN ST	W 1/2 - 1 (0.899 mi.)	12	85
Release Tracking Number: 3-0011009 Current Status: RAO				
RESIDENCE	54 EDWARD AVENUE NOR	SE 1/2 - 1 (0.910 mi.)	13	86
Release Tracking Number: 3-0030301 Current Status: RAO				
POWER PRODUCTS SYSTE	90 BAY STATE RD	SE 1/2 - 1 (0.921 mi.)	14	95
Release Tracking Number: 3-0037095 Current Status: PSNC				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHARLES STREET PUMP	CHARLES AND HAVERHIL	NW 1/4 - 1/2 (0.255 mi.)	3	13
Release Tracking Number: 3-0035270 Current Status: PSNC				

Lists of state and tribal leaking storage tanks

MA LAST: The Leaking Aboveground Storage Tanks database

A review of the MA LAST list, as provided by EDR, and dated 01/19/2022 has revealed that there is 1 MA LAST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NO LOCATION AID	40 BAINBRIDGE ST	W 1/8 - 1/4 (0.235 mi.)	2	9
Release Tracking Number / Current Status: 3-0022189 / RAO				

State and tribal institutional control / engineering control registries

MA INST CONTROL: 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.

A review of the MA INST CONTROL list, as provided by EDR, and dated 01/19/2022 has revealed that there is 1 MA INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NO LOCATION AID	49 GREY COACH RD	NW 1/4 - 1/2 (0.494 mi.)	4	15

EXECUTIVE SUMMARY

Release Tracking Number: 3-0019494

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 12/01/2021 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NIKE 03		NNW 0 - 1/8 (0.013 mi.)	1	8

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 06/07/2021 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

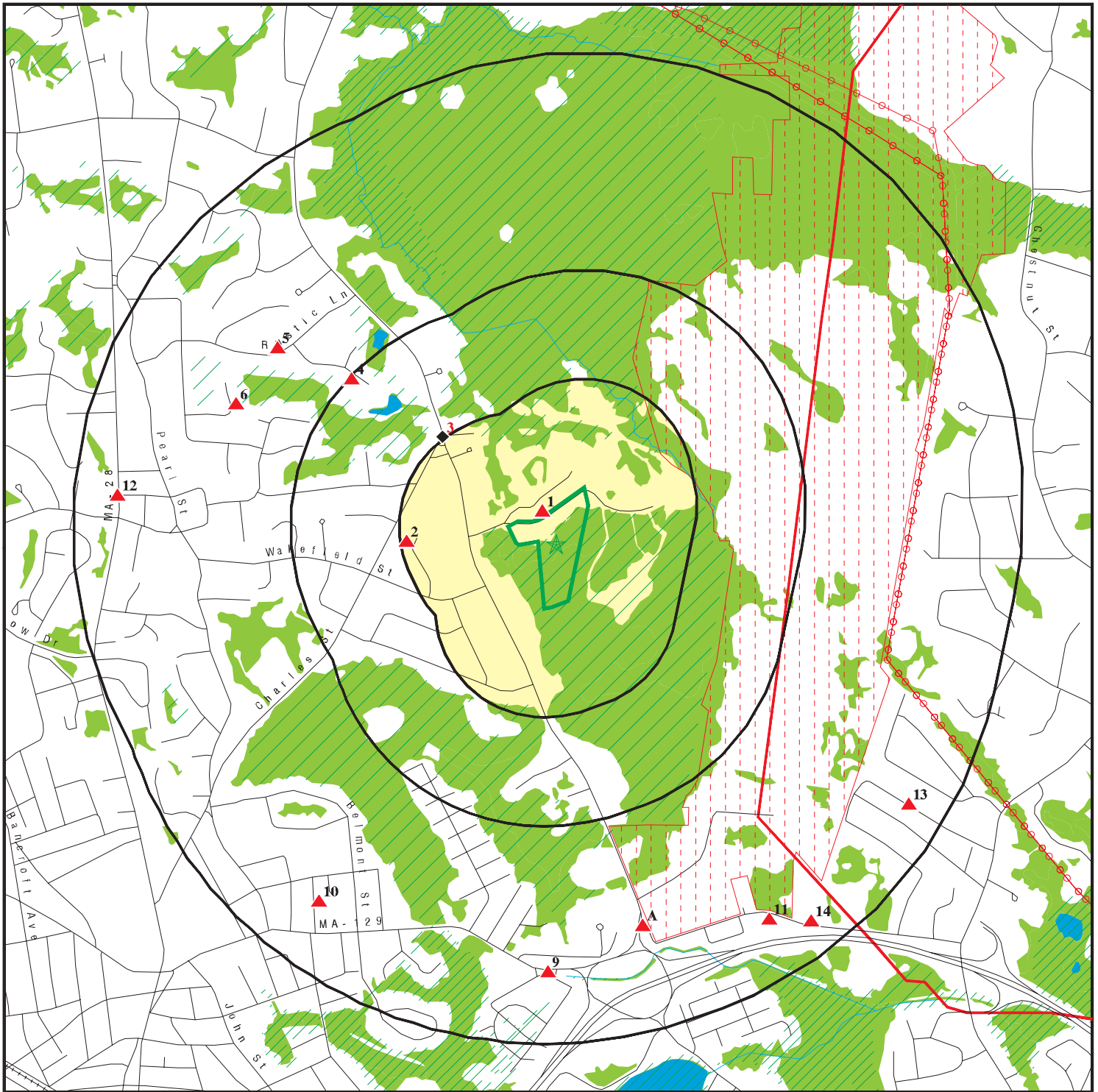
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NG MTA CAMP CURTIS G		ENE 1/8 - 1/4 (0.192 mi.)	0	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

<u>Site Name</u>	<u>Database(s)</u>
LEGER RUBBISH DISPOSAL	PRP
LEGER RUBBISH DISPOSAL	PRP
GODETT & BOYER, INC.	PRP
IN FRONT OF #572 HAVERHILL STREET	MA SHWS, MA RELEASE
VACANT LOT MAP 92 PARCEL 14	MA SHWS, MA RELEASE
ROADWAY NEAR 57 NEW SALEM STREET	MA SHWS, MA RELEASE
CHARLES STREET DUMPING GROUND	MA SWF/LF

OVERVIEW MAP - 7011317.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading MA 01867
 LAT/LONG: 42.539934 / 71.084381

CLIENT: Weston and Sampson Engineers
 CONTACT: Jill Murphy Ready
 INQUIRY #: 7011317.2s
 DATE: June 08, 2022 4:54 pm

DETAIL MAP - 7011317.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Critical Environmental Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading MA 01867
 LAT/LONG: 42.539934 / 71.084381

CLIENT: Weston and Sampson Engineers
 CONTACT: Jill Murphy Ready
 INQUIRY #: 7011317.2s
 DATE: June 08, 2022 4:55 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
MA SHWS	1.000		0	0	2	10	NR	12
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
MA SWF/LF	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
MA LAST	0.500		0	1	0	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MA LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
MA UST	0.250		0	0	NR	NR	NR	0
MA AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
MA INST CONTROL	0.500		0	0	1	NR	NR	1
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
MA BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
MA PFAS	0.500		0	0	0	NR	NR	0
<i>Local Land Records</i>								
MA LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
MA SPILLS	TP		NR	NR	NR	NR	NR	0
MA RELEASE	TP		NR	NR	NR	NR	NR	0
MA SPILLS 90	TP		NR	NR	NR	NR	NR	0
MA SPILLS 80	TP		NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		1	0	0	0	NR	1
DOD	1.000		0	1	0	0	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	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	0
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	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	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
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
MA AIRS	TP		NR	NR	NR	NR	NR	0
MA ASBESTOS	TP		NR	NR	NR	NR	NR	0
MA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MA ENF	TP		NR	NR	NR	NR	NR	0
MA Financial Assurance	TP		NR	NR	NR	NR	NR	0
MA GWDP	TP		NR	NR	NR	NR	NR	0
MA HW GEN	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		0	0	NR	NR	NR	0
RI MANIFEST	0.250		0	0	NR	NR	NR	0
MA MERCURY	0.500		0	0	0	NR	NR	0
MA NPDES	TP		NR	NR	NR	NR	NR	0
MA TIER 2	TP		NR	NR	NR	NR	NR	0
MA TSD	0.500		0	0	0	NR	NR	0
MA UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
MA RGA HWS	TP		NR	NR	NR	NR	NR	0
MA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	1	2	3	10	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOD
Region
ENE
1/8-1/4
1013 ft.

NG MTA CAMP CURTIS GUIL
, MA

DOD **CUSA400274**
N/A

DOD:
 Site Name: NG MTA CAMP CURTIS GUIL
 DOD Component: Army Guard
 Joint Base: N/A
 Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

1
NNW
< 1/8
0.013 mi.
71 ft.

NIKE 03
READING, MA

FUDS **1010309682**
N/A

Relative:
Higher
Actual:
82 ft.

FUDS:
 EPA Region: 1
 Installation ID: MA19799F178400
 Congressional District Number: 6
 Name: NIKE 03
 FUDS Number: D01MA0064
 City: READING
 State: MA
 County: MIDDLESEX
 Object ID: 10105
 USACE Division: NAD
 USACE District: New England District (NAE)
 Status: Properties with all projects at site closeout
 Current Owner: LOCAL: CITY TOWN OF READING , CITY TOWN OF READING
 EMS Map Link: <https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=59429>
 Eligibility: Eligible
 Has Projects: Yes
 NPL Status: Not on the NPL
 Property History: The U.S. acquired the 95.62-acre site in 1954 primarily by condemnation and a few line of site easements by purchase. The site consisted of 36.68 acres fee 53.83 acres easement and 5.11 acres lease from the Town of Reading. The lease of 5.11 acres terminated when the Government eased using the site for antiaircraft purposes sometime around 1965. The lease contained provision relieving the Government from any and all liability for restoration of the premises The remaining 36.68 acres fee and 53.83 acres easement were reported excess to GSA on 3/9/1965. GSA conveyed by deed to the Town of Reading 1.3 acres fee and 0.39 acre easement on 2/23/1966, approximately 34.40 acres fee and 0.83 acre easement by deed dated August 1966. The Town of Wakefield received 0.98 acre fee by deed 2/23/1966. There are no restoration provisions recapture clauses and maintenance clause in the deeds into the towns. The remaining 52.61 acres easements have been disposed of either by miscellaneous conveyances or by placement in the GSA inactive inventory.

Project Required: Yes
 Feature Description: Not reported
 Latitude: 42.54111111
 Longitude: -71.085

FUDS Detail as of Jan 2015:
 Fiscal Year: 2013

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NIKE 03 (Continued)

1010309682

Federal Facility ID: RAB: NPL Status: Description: History: CTC: Current Program: Future Program: Institutional ID:	MA9799F1784 Not reported Not Listed The Nike site consisted of control area and launch area and is located in Reading, MA. The Army used the site to coordinate the Nike missile defense system in the Boston defense area. Several structures were erected by the Army including three missile silos, two barracks, and officer quarters, generator building, acid storage shed, mess hall, generator building, administration building, and motor pool. The site was not under other than DOD/Army control during the period of DOD ownership. The U.S. acquired the 95.62-acre site in 1954 primarily by condemnation and a few line of site easements by purchase. The site consisted of 36.68 acres fee 53.83 acres easement and 5.11 acres lease from the Town of Reading. The lease of 5.11 acres terminated when the Government eased using the site for antiaircraft purposes sometime around 1965. The lease contained provision relieving the Government from any and all liability for restoration of the premises The remaining 36.68 acres fee and 53.83 acres easement were reported excess to GSA on 3/9/1965. GSA conveyed by deed to the Town of Reading 1.3 acres fee and 0.39 acre easement on 2/23/1966, approximately 34.40 acres fee and 0.83 acre easement by deed dated August 1966. The Town of Wakefield received 0.98 acre fee by deed 2/23/1966. There are no restoration provisions recapture clauses and maintenance clause in the deeds into the towns. The remaining 52.61 acres easements have been disposed of either by miscellaneous conveyances or by placement in the GSA inactive inventory. 289.69999999999999 Not reported Not reported 59429
---	---

2
West
1/8-1/4
0.235 mi.
1242 ft.

NO LOCATION AID
40 BAINBRIDGE ST
READING, MA 01867

MA LAST **S105735607**
MA RELEASE **N/A**

Relative:
Higher
Actual:
102 ft.

LAST: Name: Address: City,State,Zip: Release Tracking Number/Current Status: Source Type: Release Town: Notification Date: Category: Associated ID: Status Date: Phase: Response Action Outcome: Oil Or Haz Material: Chemicals: Chemical: Quantity:	NO LOCATION AID 40 BAINBRIDGE ST READING, MA 018670000 3-0022189 / RAO AST READING 10/07/2002 TWO HR Not reported 07/14/2003 Not reported A2 - A permanent solution has been achieved. Contamination has not been reduced to background. Oil FUEL OIL #2 10 gallons
--	---

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105735607

Chemical:	FUEL OIL #2
Quantity:	200 gallons
Location Type:	RESIDENTIAL
Source:	AST
Actions:	
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	1/21/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	1/21/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	1/23/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Written Approval of Plan
Action Date:	1/28/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	10/11/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	FLDISS
Action Date:	10/7/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/7/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FLDD1A
Action Date:	10/7/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	10/7/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105735607

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/10/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 7/14/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/14/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 7/14/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Name: NO LOCATION AID
Address: 40 BAINBRIDGE ST
City,State,Zip: READING, MA 018670000
Release Tracking Number/Current Status: 3-0022189 / RAO
Primary ID: Not reported
Official City: READING
Notification: 10/07/2002
Category: TWO HR
Status Date: 07/14/2003
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

[Click here to access the MA DEP site for this facility:](#)

Actions:
Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 1/21/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 1/21/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105735607

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 1/23/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 1/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/11/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 10/7/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/7/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 10/7/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/7/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/10/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 7/14/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/14/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105735607

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 7/14/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: FUEL OIL #2
Quantity: 10 gallons
Chemical: FUEL OIL #2
Quantity: 200 gallons
Location Type: RESIDENTIAL
Source: AST

**3
NW
1/4-1/2
0.255 mi.
1346 ft.**

**CHARLES STREET PUMP STATION
CHARLES AND HAVERHILL STREET
READING, MA 01867**

**MA SHWS S123541194
MA RELEASE N/A**

**Relative:
Lower**

SHWS:
Name: CHARLES STREET PUMP STATION
Address: CHARLES AND HAVERHILL STREET
City,State,Zip: READING, MA 018670000
Facility ID: 3-0035270
Source Type: UNKNOWN
Release Town: READING
Notification Date: 01/10/2019
Category: 120 DY
Associated ID: Not reported
Current Status: PSNC
Status Date: 01/08/2020
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Hazardous Material

**Actual:
78 ft.**

Release:
Name: CHARLES STREET PUMP STATION
Address: CHARLES AND HAVERHILL STREET
City,State,Zip: READING, MA 018670000
Release Tracking Number/Current Status: 3-0035270 / PSNC
Primary ID: Not reported
Official City: READING
Notification: 01/10/2019
Category: 120 DY
Status Date: 01/08/2020
Phase: Not reported
Response Action Outcome: PN - PN
Oil / Haz Material Type: Hazardous Material

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

Actions:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARLES STREET PUMP STATION (Continued)

S123541194

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	1/10/2019
Response Action Outcome:	PN
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/10/2019
Response Action Outcome:	PN
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	1/10/2019
Response Action Outcome:	PN
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	1/14/2019
Response Action Outcome:	PN
Action Type:	Release Abatement Measure
Action Status:	Level I - Technical Screen Audit
Action Date:	1/16/2019
Response Action Outcome:	PN
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	1/31/2019
Response Action Outcome:	PN
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/31/2019
Response Action Outcome:	PN
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	1/6/2020
Response Action Outcome:	PN
Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	1/8/2020
Response Action Outcome:	PN
Action Type:	Response Action Outcome - RAO
Action Status:	PSNRCD
Action Date:	1/8/2020
Response Action Outcome:	PN
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	11/7/2019
Response Action Outcome:	PN
Action Type:	RLFA
Action Status:	FOLOFF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARLES STREET PUMP STATION (Continued)

S123541194

Action Date: 2/14/2019
Response Action Outcome: PN

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/19/2019
Response Action Outcome: PN

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 2/7/2019
Response Action Outcome: PN

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 5/22/2019
Response Action Outcome: PN

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 6/21/2021
Response Action Outcome: PN

Chemicals:
Chemical: ARSENIC
Quantity: 46.2 milligrams per kilogram
Source: UNKNOWN

**4
NW
1/4-1/2
0.494 mi.
2610 ft.**

**NO LOCATION AID
49 GREY COACH RD
READING, MA 01867**

**MA SHWS
MA INST CONTROL
MA RELEASE**

**S104562539
N/A**

**Relative:
Higher
Actual:
81 ft.**

SHWS:
Name: NO LOCATION AID
Address: 49 GREY COACH RD
City,State,Zip: READING, MA 018670000
Facility ID: 3-0019494
Source Type: UNKNOWN
Release Town: READING
Notification Date: 05/01/2000
Category: 72 HR
Associated ID: Not reported
Current Status: RAO
Status Date: 09/03/2004
Phase: PHASE II
Response Action Outcome: A3
Oil Or Haz Material: Oil

INST CONTROL:
Name: NO LOCATION AID
Address: 49 GREY COACH RD
City,State,Zip: READING, MA 018670000
Release Tracking Number: 3-0019494
Action Type: AUL
Action Stat: LEGNOT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S104562539

Action Date: 08/07/2003
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: NO LOCATION AID
Address: 49 GREY COACH RD
City,State,Zip: READING, MA 018670000
Release Tracking Number: 3-0019494
Action Type: AUL
Action Stat: RECPT
Action Date: 09/04/2003
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: NO LOCATION AID
Address: 49 GREY COACH RD
City,State,Zip: READING, MA 018670000
Release Tracking Number: 3-0019494
Action Type: AUL
Action Stat: SNAUDI
Action Date: 12/22/2006
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:
Name: NO LOCATION AID
Address: 49 GREY COACH RD
City,State,Zip: READING, MA 018670000
Release Tracking Number/Current Status: 3-0019494 / RAO
Primary ID: Not reported
Official City: READING
Notification: 05/01/2000
Category: 72 HR
Status Date: 09/03/2004
Phase: PHASE II
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/3/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 10/3/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S104562539

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/4/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 12/22/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 12/22/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 12/22/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/8/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/26/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/26/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/1/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S104562539

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 4/1/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/3/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/1/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/1/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 5/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S104562539

been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/10/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 5/26/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/3/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Level II - Audit Inspection
Action Date: 6/24/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/30/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/1/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/14/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S104562539

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/2/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/2/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 7/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/12/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/22/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 8/7/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 8/7/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/26/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S104562539

Action Status: RAO Statement Received
Action Date: 9/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 9/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 9/4/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/4/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: FUEL OIL #2
Quantity: Not reported
Location Type: RESIDENTIAL
Source: UNKNOWN

5
NW
1/2-1
0.670 mi.
3537 ft.

NO LOCATION AID
65-73 RUSTIC LN
READING, MA 01867

MA SHWS S106954022
MA RELEASE N/A

Relative:
Higher
Actual:
85 ft.

SHWS:
Name: NO LOCATION AID
Address: 65-73 RUSTIC LN
City, State, Zip: READING, MA 018670000
Facility ID: 3-0024890
Source Type: TRANSFORM
Release Town: READING
Notification Date: 05/26/2005
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 07/29/2005
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil

Release:
Name: NO LOCATION AID

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S106954022

Address: 65-73 RUSTIC LN
City,State,Zip: READING, MA 018670000
Release Tracking Number/Current Status: 3-0024890 / RAO
Primary ID: Not reported
Official City: READING
Notification: 05/26/2005
Category: TWO HR
Status Date: 07/29/2005
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

[Click here to access the MA DEP site for this facility:](#)

Actions:

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/26/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/26/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/26/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 6/22/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 7/29/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/29/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S106954022

Chemicals:
Chemical: TRANSFORMER OIL
Quantity: 18 gallons
Location Type: RESIDENTIAL
Source: TRANSFORM

6
WNW
1/2-1
0.685 mi.
3618 ft.

NO LOCATION AID
37 LATHAM LN
READING, MA 01867

MA SHWS S105043465
MA RELEASE N/A

Relative:
Higher
Actual:
88 ft.

SHWS:
Name: NO LOCATION AID
Address: 37 LATHAM LN
City,State,Zip: READING, MA 018670000
Facility ID: 3-0020568
Source Type: UNKNOWN
Release Town: READING
Notification Date: 04/02/2001
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 10/17/2005
Phase: PHASE III
Response Action Outcome: A2
Oil Or Haz Material: Oil

Release:
Name: NO LOCATION AID
Address: 37 LATHAM LN
City,State,Zip: READING, MA 018670000
Release Tracking Number/Current Status: 3-0020568 / RAO
Primary ID: Not reported
Official City: READING
Notification: 04/02/2001
Category: TWO HR
Status Date: 10/17/2005
Phase: PHASE III
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 10/17/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 10/17/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105043465

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/15/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/27/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 2/27/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/6/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/23/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/12/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/13/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105043465

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/18/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/21/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 4/28/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/3/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/3/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/30/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 4/4/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105043465

reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 4/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 4
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 5/13/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 5/15/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 5/15/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 5/16/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 5/23/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S105043465

Action Status: FOLFLD
Action Date: 5/3/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/19/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/26/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 7/2/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 7/20/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/14/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/20/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/23/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/30/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NO LOCATION AID (Continued)

S105043465

reduced to background.

Action Type: Immediate Response Action
 Action Status: Status or Interim Report Received
 Action Date: 8/31/2005
 Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
 Chemical: FUEL OIL
 Quantity: 11 gallons
 Chemical: FUEL OIL #2
 Quantity: Not reported
 Location Type: RESIDENTIAL
 Source: UNKNOWN

A7
SSE
 1/2-1
 0.758 mi.
 4004 ft.

MA ARMY NATIONAL GUARD
25 HAVERHILL ST
READING, MA 01867

Site 1 of 2 in cluster A

RCRA-SQG 1000307633
MA SHWS MAD981071657
MA RELEASE
RI MANIFEST
NJ MANIFEST

Relative:
Higher
Actual:
88 ft.

RCRA-SQG:
 Date Form Received by Agency: 20210831
 Handler Name: MA ARMY NATIONAL GUARD
 Handler Address: 25 HAVERHILL ST
 Handler City,State,Zip: READING, MA 01867-1999
 EPA ID: MAD981071657
 Contact Name: ELIZABETH WILDER
 Contact Address: BARNUM RD
 Contact City,State,Zip: DEVENS, MA 01434-0000
 Contact Telephone: 339-202-4635
 Contact Fax: Not reported
 Contact Email: ELIZABETH.M.WILDER.NFG@MAIL.MIL
 Contact Title: Not reported
 EPA Region: 01
 Land Type: State
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities, State-specific Activities
 State District Owner: MA
 State District: NE
 Mailing Address: HAVERHILL ST
 Mailing City,State,Zip: READING, MA 01867-1999
 Owner Name: COMMONWEALTH OF MASSACHUSETTS MILITARY DIVISION
 Owner Type: State
 Operator Name: COMMONWEALTH OF MASSACHUSETTS MILITARY DIVISION
 Operator Type: State
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No

Map ID
 Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
 EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	--Y
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210901
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Map ID
Direction
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MA ARMY NATIONAL GUARD (Continued)

1000307633

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D018
Waste Description: BENZENE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID
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MA ARMY NATIONAL GUARD (Continued)

1000307633

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: COMMONWEALTH OF MASSACHUSETTS MILITARY D
Legal Status: State
Date Became Current: 19590101
Date Ended Current: Not reported
Owner/Operator Address: ENVIRONMENTAL OFFICE
Owner/Operator City,State,Zip: DEVENS, MA 01434-0000
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COMMONWEALTH OF MASSACHUSETTS MILITARY D
Legal Status: State
Date Became Current: 19590101
Date Ended Current: Not reported
Owner/Operator Address: ENVIRONMENTAL OFFICE
Owner/Operator City,State,Zip: DEVENS, MA 01434-0000
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MA NATIONAL GUARD
Legal Status: Private
Date Became Current: 19930726
Date Ended Current: Not reported
Owner/Operator Address: HAVERHILL ST
Owner/Operator City,State,Zip: READING, MA 01867
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COMMONWEALTH OF MASSACHUSETTS MILITARY DIVISION
Legal Status: State
Date Became Current: 19590101
Date Ended Current: Not reported
Owner/Operator Address: 2 RANDOLPH RD
Owner/Operator City,State,Zip: HANSCOM AFB, MA 01731
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Owner/Operator Indicator: Operator
Owner/Operator Name: COMMONWEALTH OF MASSACHUSETTS MILITARY DIVISION
Legal Status: State
Date Became Current: 19590101
Date Ended Current: Not reported
Owner/Operator Address: 2 RANDOLPH RD
Owner/Operator City,State,Zip: HANSCOM AFB, MA 01731
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19850710
Handler Name: MA ARMY NATIONAL GUARD
Federal Waste Generator Description: Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130808
Handler Name: MA ARMY NATIONAL GUARD
Federal Waste Generator Description: Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20210831
Handler Name: MA ARMY NATIONAL GUARD
Federal Waste Generator Description: Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Map ID
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MAP FINDINGS

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Database(s)

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MA ARMY NATIONAL GUARD (Continued)

1000307633

NAICS Code: 92811
NAICS Description: NATIONAL SECURITY

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19951107
Actual Return to Compliance Date: 19960223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19960126
Enforcement Identifier: 000
Date of Enforcement Action: 19951221
Enforcement Responsible Agency: State
Enforcement Docket Number: 95-9121-2A
Enforcement Attorney: R1
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: DPLMA
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19951107
Actual Return to Compliance Date: 19960223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19960125
Enforcement Identifier: 000
Date of Enforcement Action: 19951221
Enforcement Responsible Agency: State
Enforcement Docket Number: 95-9121-2A
Enforcement Attorney: R1
Corrective Action Component: No
Appeal Initiated Date: Not reported

Map ID
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EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DPLMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19951107
Actual Return to Compliance Date:	19960223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960126
Enforcement Identifier:	000
Date of Enforcement Action:	19951221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	95-9121-2A
Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DPLMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID
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MA ARMY NATIONAL GUARD (Continued)

1000307633

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160615
Actual Return to Compliance Date:	20170630
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	20170707
Enforcement Identifier:	001
Date of Enforcement Action:	20170606
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Appeal Resolution Date: Not reported
Disposition Status Date: 20170630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SN01
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19951107
Actual Return to Compliance Date: 19960223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19960125
Enforcement Identifier: 000
Date of Enforcement Action: 19951221
Enforcement Responsible Agency: State
Enforcement Docket Number: 95-9121-2A
Enforcement Attorney: R1
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: DPLMA
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

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EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19951107
Actual Return to Compliance Date:	19960223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960125
Enforcement Identifier:	000
Date of Enforcement Action:	19951221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	95-9121-2A
Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DPLMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19951107
Actual Return to Compliance Date:	19960223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960125
Enforcement Identifier:	000
Date of Enforcement Action:	19951221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	95-9121-2A
Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DPLMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19951107
Actual Return to Compliance Date:	19960223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960125
Enforcement Identifier:	000
Date of Enforcement Action:	19951221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	95-9121-2A
Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DPLMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
 EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	19951107
Actual Return to Compliance Date:	19960223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960126
Enforcement Identifier:	000
Date of Enforcement Action:	19951221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	95-9121-2A
Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DPLMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20160615
Actual Return to Compliance Date:	20170630
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	20170707
Enforcement Identifier:	001
Date of Enforcement Action:	20170606
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Appeal Resolution Date: Not reported
Disposition Status Date: 20170630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SN01
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19951107
Actual Return to Compliance Date: 19960223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19960126
Enforcement Identifier: 000
Date of Enforcement Action: 19951221
Enforcement Responsible Agency: State
Enforcement Docket Number: 95-9121-2A
Enforcement Attorney: R1
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: DPLMA
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	19951107
Actual Return to Compliance Date:	19960223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960125
Enforcement Identifier:	000
Date of Enforcement Action:	19951221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	95-9121-2A
Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DPLMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20160615
Actual Return to Compliance Date:	20170630
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	20170707
Enforcement Identifier:	001
Date of Enforcement Action:	20170606
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Appeal Resolution Date: Not reported
Disposition Status Date: 20170630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SN01
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20160615
Actual Return to Compliance Date: 20170630
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: 20170707
Enforcement Identifier: 001
Date of Enforcement Action: 20170606
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20170630
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SN01
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Preparedness and Prevention
Date Violation was Determined:	20160615
Actual Return to Compliance Date:	20170630
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	20170707
Enforcement Identifier:	001
Date of Enforcement Action:	20170606
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	20170630
Disposition Status:	AS
Disposition Status Description:	ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	SN01
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19951107
Actual Return to Compliance Date:	19960223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960125
Enforcement Identifier:	000
Date of Enforcement Action:	19951221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	95-9121-2A
Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: DPLMA
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19951107
Actual Return to Compliance Date: 19960223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19960125
Enforcement Identifier: 000
Date of Enforcement Action: 19951221
Enforcement Responsible Agency: State
Enforcement Docket Number: 95-9121-2A
Enforcement Attorney: R1
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: DPLMA
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19951107
Actual Return to Compliance Date: 19960223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19960126
Enforcement Identifier: 000
Date of Enforcement Action: 19951221
Enforcement Responsible Agency: State
Enforcement Docket Number: 95-9121-2A
Enforcement Attorney: R1
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: DPLMA
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19951107
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DPLMA
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 19960223
Scheduled Compliance Date: 19960126
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19951107

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960125
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960126
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960223
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE SCHEDULE EVALUATION
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160615
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	SN01
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170630
Scheduled Compliance Date:	20170707
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960125
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960125
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960125
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960125
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960126
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Former Citation:	Not reported
Evaluation Date:	20160615
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	SN01
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170630
Scheduled Compliance Date:	20170707
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960126
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	19960223
Scheduled Compliance Date:	19960125
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160615
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	SN01
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170630
Scheduled Compliance Date:	20170707
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160615
Evaluation Responsible Agency:	EPA
Found Violation:	Yes

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: SN01
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20170630
Scheduled Compliance Date: 20170707
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20160615
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: SN01
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20170630
Scheduled Compliance Date: 20170707
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19951107
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DPLMA
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 19960223
Scheduled Compliance Date: 19960125
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19951107
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DPLMA
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 19960223
Scheduled Compliance Date: 19960125
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19951107
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DPLMA
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 19960223
Scheduled Compliance Date: 19960126

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MA ARMY NATIONAL GUARD (Continued)

1000307633

Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

SHWS:

Name: CAMP CURTIS GUILD
Address: HAVERHILL ST
City,State,Zip: READING, MA 018670000
Facility ID: 3-0003894
Source Type: PIPE
Release Town: READING
Notification Date: 11/26/1991
Category: NONE
Associated ID: 3-0003894
Current Status: RAO
Status Date: 06/22/1999
Phase: PHASE III
Response Action Outcome: A2
Oil Or Haz Material: Oil

Release:

Name: CAMP CURTIS GUILD
Address: HAVERHILL ST
City,State,Zip: READING, MA 018670000
Release Tracking Number/Current Status: 3-0003894 / RAO
Primary ID: 3-0003894
Official City: READING
Notification: 11/26/1991
Category: NONE
Status Date: 06/22/1999
Phase: PHASE III
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 10/10/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 11/26/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 11/26/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

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MA ARMY NATIONAL GUARD (Continued)

1000307633

reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 11/26/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 2/2/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: LSPFA
Action Date: 3/13/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/24/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 3/24/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/24/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 5/27/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 5/27/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 6/22/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Action Status: RAO Statement Received
Action Date: 6/22/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 6/22/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 8/25/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported
Location Type: DOD
Source: PIPE

RI MANIFEST:
Name: Not reported
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 01867-1999
EPA Id: MAD981071657
GEN Cert Date: 3/25/1994
Manifest Document Number: RIC0028934
Waste Description: WASTE BATTERY FLUID ACID (SULFURIC)
TSDf Id: RID040098352
TSDf Name: NORTHLAND ENVIRONMENTAL INC
Qty: 45
WT/Vol Units: G
TSDf Date: Not reported
Transporter 2 Id: Not reported
Item Number: 1
Transporter 2 Name: Not reported
Transporter Name 2: GENERAL CHEMICAL CORP
Transporter EPAID: MAD019371079
Transporter Receipt Date: Not reported
Number Of Containers: 0
Container Type: Not reported
Waste Code1: D002
Waste Code2: D008
Waste Code3: Not reported
Waste Code4: Not reported
Waste Code5: Not reported
Waste Code6: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Fee Exempt Code:	Not reported
Comment:	Not reported
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
Quarter:	Not reported
Transporter Contact Name:	Not reported
Transporter Contact Email:	Not reported
Filing Date:	Not reported
Total Fee:	Not reported
Billing Name:	Not reported
Paid Date:	Not reported
Paid Time:	Not reported
Facility Receipt Date:	Not reported
Fee:	Not reported
Manifest Created Date:	Not reported
Manifest Updated Date:	Not reported
RI MANIFEST:	
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	D008
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	NORTHLAND ENVIRONMENTAL INC
TSDf Id:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD981071657
Manifest Docket Number:	RIC0028934
Quarter:	Not reported
Waste Description:	WASTE BATTERY FLUID ACID (SULFURIC)
Transporter Contact Name:	Not reported
Quantity:	45
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	GENERAL CHEMICAL CORP
Billing Name:	Not reported
Transporter EPA ID:	MAD019371079
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	3/25/1994
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	D008
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSD Name:	NORTHLAND ENVIRONMENTAL INC
TSD ID:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD981071657
Manifest Docket Number:	RIC0028934
Quarter:	Not reported
Waste Description:	WASTE BATTERY FLUID ACID (SULFURIC)
Transporter Contact Name:	Not reported
Quantity:	45
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	GENERAL CHEMICAL CORP
Billing Name:	Not reported
Transporter EPA ID:	MAD019371079
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	3/25/1994
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSD Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	D008
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSD Name:	NORTHLAND ENVIRONMENTAL INC
TSD ID:	RID040098352
Transporter Name 2:	GENERAL CHEMICAL CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD981071657
Manifest Docket Number:	RIC0028936
Quarter:	Not reported
Waste Description:	SULFURIC ACID WASTE BATTERY FLUID ACID
Transporter Contact Name:	Not reported
Quantity:	45
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	GENERAL CHEMICAL CORP
Billing Name:	Not reported
Transporter EPA ID:	MAD019371079
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	3/29/1994
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	MAD019371079
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D002
Waste Code2:	D008
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	NORTHLAND ENVIRONMENTAL INC
TSDf Id:	RID040098352
Transporter Name 2:	GENERAL CHEMICAL CORP
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD981071657
Manifest Docket Number:	RIC0028936
Quarter:	Not reported
Waste Description:	SULFURIC ACID WASTE BATTERY FLUID ACID
Transporter Contact Name:	Not reported
Quantity:	45
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	GENERAL CHEMICAL CORP
Billing Name:	Not reported
Transporter EPA ID:	MAD019371079

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

Date Paid: Not reported
Time Paid: Not reported
GEN Cert Date: 3/29/1994
Facility Receipt Date: Not reported
Fee: Not reported
Transporter 2 Receipt Date: Not reported
Manifest Created Date: Not reported
TSDf Receipt Date: Not reported
Transporter 2 ID: MAD019371079
Manifest Updated Date: Not reported

NJ MANIFEST:

EPA Id: MAD981071657
Mail Address: HAVERHILL ST
Mail City/State/Zip: READING, MA 01867-1999
Facility Phone: Not reported
Emergency Phone: Not reported
Contact: LTC K ROGERS SIMMONS JR
Comments: Not reported
SIC Code: Not reported
County: MA017
Municipal: Not reported
Previous EPA Id: Not reported
Gen Flag: Not reported
Trans Flag: Not reported
TSDf Flag: Not reported
Name Change: Not reported
Date Change: Not reported

Manifest:

Manifest Number: 000356339VES
EPA ID: MAD981071657
Date Shipped: 03/25/2009
TSDf EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: NJD054126164
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 03/25/2009
Date Trans2 Transported Waste: 03/30/2009
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 03/31/2009
TSDf EPA Facility Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MA ARMY NATIONAL GUARD (Continued)

1000307633

QTY Units: Not reported
 Transporter SEQ ID: Not reported
 Transporter-1 Date: Not reported
 Waste SEQ ID: Not reported
 Waste Type Code 2: Not reported
 Waste Type Code 3: Not reported
 Waste Type Code 4: Not reported
 Waste Type Code 5: Not reported
 Waste Type Code 6: Not reported
 Date Accepted: Not reported
 Manifest Discrepancy Type: Not reported
 Data Entry Number: Not reported
 Was Load Rejected: READING, MA 01867-1999
 Reason Load Was Rejected: Not reported

Waste:
 Manifest Year: Not reported
 Waste Code: D001
 Hand Code: H141
 Quantity: 202 P

A8
SSE
1/2-1
0.758 mi.
4004 ft.

CAMP CURTIS GUILD
25 HAVERHILL ST
READING, MA 01867
Site 2 of 2 in cluster A

MA SHWS **U003302746**
MA UST **N/A**
MA AST
MA INST CONTROL
MA RELEASE
MA ASBESTOS
MA HW GEN

Relative:
Higher

Actual:
88 ft.

SHWS:
 Name: BLDG #16 RIFLE RANGE/CAMP CURTIS GUILD
 Address: 25 HAVERHILL ST
 City,State,Zip: READING, MA 018671999
 Facility ID: 3-0014062
 Source Type: Not reported
 Release Town: READING
 Notification Date: 07/26/1996
 Category: 120 DY
 Associated ID: Not reported
 Current Status: RAO
 Status Date: 02/23/2001
 Phase: PHASE II
 Response Action Outcome: A3
 Oil Or Haz Material: Oil

Name: CAMP CURTIS GUILD/BLDG #5/ADMINISTRATION
 Address: 25 HAVERHILL ST
 City,State,Zip: READING, MA 018671999
 Facility ID: 3-0014075
 Source Type: Not reported
 Release Town: READING
 Notification Date: 07/31/1996
 Category: 120 DY
 Associated ID: Not reported
 Current Status: RAO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Status Date: 04/23/1997
Phase: PHASE II
Response Action Outcome: A2
Oil Or Haz Material: Oil

Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018671999
Facility ID: 3-0013808
Source Type: TANKER
Release Town: READING
Notification Date: 05/23/1996
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 07/26/1996
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Oil

Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018670000
Facility ID: 3-0024818
Source Type: UNKNOWN
Release Town: READING
Notification Date: 04/29/2005
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 01/25/2007
Phase: PHASE II
Response Action Outcome: A3
Oil Or Haz Material: Hazardous Material

UST:

Facility:

Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 01867
Facility ID: 20782
Owner Id: 4399
Owner: COMMONWEALTH OF MASSACHUSETTS
Owner Address: 50 MAPLE ST
Owner City,St,Zip: MILFORD, MA 01757
Telephone: Not reported
Description: Military
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.52801
Longitude: -71.08062
Contact name: Not reported
Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Contact zip: Not reported
Contact email: Not reported
Update: 2008-01-30 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 08/21/1998
Date Installed: Not reported
Capacity: 500.00000
Contents: Unregulate
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 11/05/1998
Date Installed: Not reported
Capacity: 3000.00000
Contents: Unregulate
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

AST:

Facility ID: 20782
Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City, State, Zip: READING, MA 01867
Owner ID: 4399
Owner Address: 50 MAPLE ST
Owner City: MILFORD
Owner State: MA
Owner Zip: 01757
Owner Name: COMMONWEALTH OF MASSACHUSETTS
Tank Type: Not reported
Class: Not reported
Stage I Type: Not reported
CARB # or System Type: Not reported
Test Cycle: Not reported
Date Form Mailed: Not reported
Test Date: Not reported
Postmark Date: Not reported
Due Date: Not reported
Product Type: Not reported
Vapor Type: Not reported
Form: Not reported
Form Rcvd and Complete: Not reported
Description: Federal / Military
Telephone: (508) 233-7890
Fire Department: 17246
Date of Inspection: Not reported
Inspector: Not reported
Overfill Prevention: Not reported
Tank ID: 5
Serial Number: Not reported
Spill Prevention: Not reported
Tank Status: In Use
Capacity: 9980
Contents: JP-8
Tank Use: Other
Tank Material: Steel
Tank Construction: 2 Walls
Tank Leak Detection: Interstitial Monitoring
Pipe Material: Steel
Pipe Construction: 1 Wall
Pipe Leak Detection: Suction: Check Valve at Dispenser
Aboveground: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Facility ID: 20782
Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 01867
Owner ID: 4399
Owner Address: 50 MAPLE ST
Owner City: MILFORD
Owner State: MA
Owner Zip: 01757
Owner Name: COMMONWEALTH OF MASSACHUSETTS
Tank Type: Not reported
Class: Not reported
Stage I Type: Not reported
CARB # or System Type: Not reported
Test Cycle: Not reported
Date Form Mailed: Not reported
Test Date: Not reported
Postmark Date: Not reported
Due Date: Not reported
Product Type: Not reported
Vapor Type: Not reported
Form: Not reported
Form Rcvd and Complete: Not reported
Description: Federal / Military
Telephone: (508) 233-7890
Fire Department: 17246
Date of Inspection: Not reported
Inspector: Not reported
Overfill Prevention: Not reported
Tank ID: 3
Serial Number: Not reported
Spill Prevention: Not reported
Tank Status: In Use
Capacity: 10000
Contents: Diesel - J
Tank Use: Other
Tank Material: Steel
Tank Construction: 1 Wall
Tank Leak Detection: Approved In-Tank Monitor
Pipe Material: Steel
Pipe Construction: 1 Wall
Pipe Leak Detection: Suction: Check Valve at Dispenser Only
Aboveground: Y

Facility ID: 20782
Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 01867
Owner ID: 4399
Owner Address: 50 MAPLE ST
Owner City: MILFORD
Owner State: MA
Owner Zip: 01757
Owner Name: COMMONWEALTH OF MASSACHUSETTS
Tank Type: Not reported
Class: Not reported
Stage I Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

CARB # or System Type: Not reported
Test Cycle: Not reported
Date Form Mailed: Not reported
Test Date: Not reported
Postmark Date: Not reported
Due Date: Not reported
Product Type: Not reported
Vapor Type: Not reported
Form: Not reported
Form Rcvd and Complete: Not reported
Description: Federal / Military
Telephone: (508) 233-7890
Fire Department: 17246
Date of Inspection: Not reported
Inspector: Not reported
Overfill Prevention: Not reported
Tank ID: 4
Serial Number: Not reported
Spill Prevention: Not reported
Tank Status: In Use
Capacity: 396
Contents: Waste Oil
Tank Use: Not reported
Tank Material: Steel
Tank Construction: 2 Walls
Tank Leak Detection: Interstitial Monitoring
Pipe Material: Steel
Pipe Construction: 2 Walls
Pipe Leak Detection: Not reported
Aboveground: Y

INST CONTROL:

Name: BLDG #16 RIFLE RANGE/CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018671999
Release Tracking Number: 3-0014062
Action Type: AUL
Action Stat: LEGNOT
Action Date: 01/24/2001
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: BLDG #16 RIFLE RANGE/CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018671999
Release Tracking Number: 3-0014062
Action Type: AUL
Action Stat: RECPT
Action Date: 02/23/2001
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018670000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Release Tracking Number: 3-0024818
Action Type: AUL
Action Stat: LEGNOT
Action Date: 01/22/2007
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018670000
Release Tracking Number: 3-0024818
Action Type: AUL
Action Stat: RECPT
Action Date: 01/24/2007
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018670000
Release Tracking Number: 3-0024818
Action Type: AUL
Action Stat: SNAUDI
Action Date: 05/17/2010
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:
Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018671999
Release Tracking Number/Current Status: 3-0013808 / RAO
Primary ID: Not reported
Official City: READING
Notification: 05/23/1996
Category: TWO HR
Status Date: 07/26/1996
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/23/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Action Date: 6/12/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: DIESEL FUEL
Quantity: 20 gallons
Location Type: STATE
Source: TANKER

Name: BLDG #16 RIFLE RANGE/CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018671999
Release Tracking Number/Current Status: 3-0014062 / RAO
Primary ID: Not reported
Official City: READING
Notification: 07/26/1996
Category: 120 DY
Status Date: 02/23/2001
Phase: PHASE II
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Oil

[Click here to access the MA DEP site for this facility:](#)

Actions:
Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 1/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 10/10/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Action Date: 2/2/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/23/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/23/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/24/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/24/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/23/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 4/23/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 5/23/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 5/27/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 5/27/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 5/27/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 6/22/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 6/22/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/8/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 180 milligrams per liter
Chemical: #2 FUEL OIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Quantity: 1800 milligrams per kilogram

Name: CAMP CURTIS GUILD/BLDG #5/ADMINISTRATION
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018671999
Release Tracking Number/Current Status: 3-0014075 / RAO
Primary ID: Not reported
Official City: READING
Notification: 07/31/1996
Category: 120 DY
Status Date: 04/23/1997
Phase: PHASE II
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/23/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/23/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/31/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/31/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/8/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:

Chemical: #2 FUEL OIL
Quantity: 8600 milligrams per kilogram

Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 018670000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Release Tracking Number/Current Status: 3-0024818 / RAO
Primary ID: Not reported
Official City: READING
Notification: 04/29/2005
Category: 120 DY
Status Date: 01/25/2007
Phase: PHASE II
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Hazardous Material

[Click here to access the MA DEP site for this facility:](#)

Actions:

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 1/22/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/24/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/25/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 2/17/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 2/17/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/29/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/29/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	4/29/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/1/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/1/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/1/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Activity and Use Limitation
Action Status:	Level II - Audit Inspection
Action Date:	5/17/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	5/18/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	5/3/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	An activity type that is related to an Audit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Action Status: NAFNVD
Action Date: 6/24/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 6/28/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 7/1/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/25/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 8/26/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: ANTIMONY
Quantity: 1400 milligrams per kilogram
Chemical: COPPER
Quantity: 6800 milligrams per kilogram
Chemical: LEAD
Quantity: 22000 milligrams per kilogram
Source: UNKNOWN

ASBESTOS:
Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL STREET
City,State,Zip: READING, MA
Notification: Not reported
DEP Region: Not reported
Notifiers Name: Not reported
Start Date: 07/27/2005
End Date: 08/05/2005
Date Entered: Not reported
Entry Date: 07/13/2005
Quantity Material Removed SF: 1700.00
Quantity Material Removed LF: .00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Project Description: Trns
AR Tracking ID: 56067
Super Lic Number: AS052820
Monitor Lic Number: AA000146
Lab Lic Number: AA000145
Year: 2005
Sticker Number: 100019967
Form Type: ANF-001
Fee Status: Exempt
Facility Phone: Not reported
Sub Town: Not reported
Worksite: STORAGE SHEDS
Occupied: 0
Contractor: AC000097
Contract Type: WRITTEN
Hours: Week days: 7AM-3PM¹ Week end: N/A
Project Type: Renv
Abatement Process: Fcontain
Location: Indoors
Decon Process: 3-CHAMBERED DECONTAMINATION FACILITY W/ SHOWER
Disposal Methods: ACM WILL BE WET (HAND TO BAG). ACM WILL BE PROPERLY LABELED, PACKAGED AND TRANSPORTED.
Facility Usage: STORAGE SHEDS
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: 5
Owner Name: COMM. OF MASS. - DCAM
Owner Address: ONE ASHBURTON PLACE
Owner City: BOSTON
Owner State: MA
On Site Manager Name: DEAN SOULTANIAN, GZA
On Site Manager Phone: 781-278-3847
Ins Comp: Not reported
Policy Number: Not reported
EXP Date: Not reported
Facility Size: Not reported
Transporter Name: LVI ENVIRONMENTAL SERVICES INC.
Transporter Address: 401-S SECOND STREET
Transporter City: EVERETT, MA
Transporter State: Not reported
Final Site: 47
Certified Name: SARAH MARCONE
Cert Sign Date: 07/13/2005
Certified Company: LVI
Certified Phone: 6173898880
Entered_by: Not reported
Name: CAMP CURTIS GUILD
Address: 25 HAVERHILL STREET
City,State,Zip: READING, MA
Notification: Not reported
DEP Region: Not reported
Notifiers Name: Not reported
Start Date: 06/14/2005
End Date: 06/17/2005
Date Entered: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Entry Date: 05/31/2005
Quantity Material Removed SF: 1700.00
Quantity Material Removed LF: .00
Project Description: Trns
AR Tracking ID: 54173
Super Lic Number: AS052820
Monitor Lic Number: AA000146
Lab Lic Number: AA000145
Year: 2005
Sticker Number: 100018048
Form Type: ANF-001
Fee Status: Exempt
Facility Phone: Not reported
Sub Town: Not reported
Worksite: STORAGE SHEDS
Occupied: 0
Contractor: AC000097
Contract Type: WRITTEN
Hours: Week days: 7AM-3PM Week end: N/A
Project Type: Renv
Abatement Process: Fcontain
Location: Indoors
Decon Process: 3-CHAMBER DECONTAMINATION FACILITY W/ SHOWER
Disposal Methods: ACM WILL BE WET (HAND TO BAG). ACM WILL BE LABELED, PACKAGED & TRANSPORTED.
Facility Usage: STORAGE SHEDS
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: 5
Owner Name: COMM. OF MASSACHUSETTS DCAM
Owner Address: ONE ASHBURTON PLACE
Owner City: BOSTON
Owner State: MA
On Site Manager Name: DEAN SOULTANIAN, GZA
On Site Manager Phone: 781-278-3847
Ins Comp: Not reported
Policy Number: Not reported
EXP Date: Not reported
Facility Size: Not reported
Transporter Name: LVI ENVIRONMENTAL SERVICES INC.
Transporter Address: 401-S SECOND STREET
Transporter City: EVERETT
Transporter State: Not reported
Final Site: 47
Certified Name: SARAH MARCONE
Cert Sign Date: 05/31/2005
Certified Company: LVI
Certified Phone: 6173898880
Entered_by: Not reported

Name: CAMP CURTIS
Address: 25 HAVERHILL STREET
City,State,Zip: READING, MA
Notification: Not reported
DEP Region: Not reported
Notifiers Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

Start Date: 11/30/2009
End Date: 12/18/2009
Date Entered: Not reported
Entry Date: 11/18/2009
Quantity Material Removed SF: 7000.00
Quantity Material Removed LF: 600.00
Project Description: Trns
AR Tracking ID: 120150
Super Lic Number: AS033781
Monitor Lic Number: AA000156
Lab Lic Number: AA000156
Year: 2009
Sticker Number: 100097958
Form Type: ANF-001
Fee Status: Fifty
Facility Phone: 5082336590
Sub Town: Not reported
Worksite: FORMER RIFLE RANGE
Occupied: 0
Contractor: AC000427
Contract Type: Off
Hours: Week days: 7A-3P Week end:
Project Type: Dem,Renv
Abatement Process: Clnp,Disp,ROOFING MATERIALS, WINDOW CAULK
Location: Not reported
Decon Process: 3 STAGE DECONTAMINATION UNIT
Disposal Methods: ALL MATERIALS TO BE WETTED AND DOUBLE BAGGED
Facility Usage: FORMER RIFLE RANGE, CAMP CURTIS
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: 5
Owner Name: MASSACHUSETTS NATIONAL GUARD
Owner Address: 50 MAPLE STREET
Owner City: MILFORD
Owner State: MA
On Site Manager Name: COLER & COLANTONIO, INC.
On Site Manager Phone: 781-792-2237
Ins Comp: Not reported
Policy Number: Not reported
EXP Date: Not reported
Facility Size: 2500
Transporter Name: THE AULSON COMPANY
Transporter Address: 49 DANTON DRIVE
Transporter City: METHUEN
Transporter State: Not reported
Final Site: 39
Certified Name: MARK MORTIMER
Cert Sign Date: 11/18/2009
Certified Company: AULSON COMPANY
Certified Phone: 9789754500
Entered_by: Not reported

Name: CAMP CURTIS
Address: 25 HAVERHILL STREET
City,State,Zip: READING, MA
Notification: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

DEP Region: Not reported
Notifiers Name: Not reported
Start Date: 06/01/2010
End Date: 07/01/2010
Date Entered: Not reported
Entry Date: 05/18/2010
Quantity Material Removed SF: 9000.00
Quantity Material Removed LF: 600.00
Project Description: Trns
AR Tracking ID: 126641
Super Lic Number: AS033781
Monitor Lic Number: AA000156
Lab Lic Number: AA000156
Year: 2010
Sticker Number: 100106290
Form Type: ANF-001
Fee Status: Fifty
Facility Phone: 5082336590
Sub Town: Not reported
Worksite: FORMER RIFLE RANGE
Occupied: 0
Contractor: AC000427
Contract Type: Off
Hours: Week days: 7A-3P Week end:
Project Type: Dem,Renv
Abatement Process: Clnp,Disp,ROOFING MATERIALS, WINDOW CAULKNG
Location: Not reported
Decon Process: 3 STAGE DECONTAMINATION UNIT
Disposal Methods: ALL MATERIALS TO BE WETTED AND DOUBLE BAGGED
Facility Usage: FORMER RIFLE RANGE, CAMP CURTIS
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: 5
Owner Name: MASSACHUSETTS NATIONAL GUARD
Owner Address: 50 MAPLE STREET
Owner City: MILFORD
Owner State: MA
On Site Manager Name: COLER & COLANTONIO, INC.
On Site Manager Phone: 781-792-2237
Ins Comp: Not reported
Policy Number: Not reported
EXP Date: Not reported
Facility Size: 25000
Transporter Name: THE AULSON COMPANY
Transporter Address: 49 DANTON DRIVE
Transporter City: METHUEN
Transporter State: Not reported
Final Site: 39
Certified Name: MARK MORTIMER
Cert Sign Date: 05/18/2010
Certified Company: AULSON COMPANY
Certified Phone: 9789754500
Entered_by: Not reported

Name: CAMP CURTIS
Address: 25 HAVERHILL STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

City,State,Zip: READING, MA
Notification: Not reported
DEP Region: Not reported
Notifiers Name: Not reported
Start Date: 08/18/2010
End Date: 09/18/2010
Date Entered: Not reported
Entry Date: 08/05/2010
Quantity Material Removed SF: 9000.00
Quantity Material Removed LF: 600.00
Project Description: Trns
AR Tracking ID: 130120
Super Lic Number: AS033781
Monitor Lic Number: AA000156
Lab Lic Number: AA000156
Year: 2010
Sticker Number: 100110931
Form Type: ANF-001
Fee Status: Fifty
Facility Phone: 5082336590
Sub Town: Not reported
Worksite: FORMER RIFLE RANGE
Occupied: 0
Contractor: AC000427
Contract Type: Off
Hours: Week days: 7A-3P Week end:
Project Type: Dem,Renv
Abatement Process: Clnp
Location: Not reported
Decon Process: 3 STAGE DECONTAMINATION UNIT
Disposal Methods: ALL MATERIALS TO BE WETTED AND DOUBLE BAGGED
Facility Usage: FORMER RIFLE RANGE, CAMP CURTIS
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: 5
Owner Name: MASSACHUSETTS NATIONAL GUARD
Owner Address: 50 MAPLE STREET
Owner City: MILFORD
Owner State: MA
On Site Manager Name: COLER & COLANTONIO, INC.
On Site Manager Phone: 781-792-2237
Ins Comp: Not reported
Policy Number: Not reported
EXP Date: Not reported
Facility Size: 25000
Transporter Name: THE AULSON COMPANY
Transporter Address: 49 DANTON DRIVE
Transporter City: METHUEN
Transporter State: Not reported
Final Site: 39
Certified Name: MARK MORTIMER
Cert Sign Date: 08/05/2010
Certified Company: THE AULSON COMPANY
Certified Phone: 9789754500
Entered_by: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMP CURTIS GUILD (Continued)

U003302746

HW GEN:
Name: MA ARMY NATIONAL GUARD
Address: 25 HAVERHILL ST
City,State,Zip: READING, MA 01867
EPA Id: MAD981071657
RCRA Generator Status: SQG
State Generator Status: LQG-MA

9
South
1/2-1
0.832 mi.
4395 ft.

CUMBERLAND FARMS INC
295 SALEM ST
READING, MA 01867

MA SHWS S101044666
MA RELEASE N/A

Relative:
Higher
Actual:
84 ft.

SHWS:
Name: CUMBERLAND FARMS INC
Address: 295 SALEM ST
City,State,Zip: READING, MA 018670000
Facility ID: 3-0011683
Source Type: Not reported
Release Town: READING
Notification Date: 10/04/1994
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 03/02/2000
Phase: PHASE IV
Response Action Outcome: A2
Oil Or Haz Material: Hazardous Material

Release:
Name: CUMBERLAND FARMS INC
Address: 295 SALEM ST
City,State,Zip: READING, MA 018670000
Release Tracking Number/Current Status: 3-0011683 / RAO
Primary ID: Not reported
Official City: READING
Notification: 10/04/1994
Category: 120 DY
Status Date: 03/02/2000
Phase: PHASE IV
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 1/19/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMBERLAND FARMS INC (Continued)

S101044666

Action Date: 10/4/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/4/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 12/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 12/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/24/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 12/3/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 12/5/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 2/10/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 2/13/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 4
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMBERLAND FARMS INC (Continued)

S101044666

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/7/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/7/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/7/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 3/18/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/2/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/21/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/24/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 6/2/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 7/16/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMBERLAND FARMS INC (Continued)

S101044666

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 9/11/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Completion Statement Received

Action Date: 9/7/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:

Chemical: LEAD

Quantity: 980 milligrams per kilogram

**10
SW
1/2-1
0.846 mi.
4467 ft.**

**WEBER & SMITH INC
15 PIERCE ST
READING, MA 01867**

**MA SHWS U003655023
MA UST N/A
MA RELEASE**

**Relative:
Higher**

**Actual:
108 ft.**

SHWS:

Name: WEBBER & SMITH
Address: 15 PIERCE ST
City,State,Zip: READING, MA 01867
Facility ID: 3-0000991
Source Type: Not reported
Release Town: READING
Notification Date: 11/07/1986
Category: NONE
Associated ID: Not reported
Current Status: PENNFA
Status Date: 07/28/1995
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

UST:

Facility:

Name: WEBER & SMITH INC
Address: 15 PIERCE ST
City,State,Zip: READING, MA 01867
Facility ID: 10822
Owner Id: 7456
Owner: WEBER & SMITH INC
Owner Address: Not reported
Owner City,St,Zip: READING, MA 01867
Telephone: Not reported
Description: Not reported
Facility address 2: Not reported
Owner address 2: PO BOX 88
Latitude: 42.52740

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEBER & SMITH INC (Continued)

U003655023

Longitude: -71.09518
Contact name: Not reported
Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 1991-11-06 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 04/21/1988
Date Installed: 05/06/1969
Capacity: 2000.00000
Contents: Hazardous
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 04/21/1988
Date Installed: 05/06/1969
Capacity: 2000.00000
Contents: Hazardous
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEBER & SMITH INC (Continued)

U003655023

Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: Tank Removed
Status Date: 04/21/1988
Date Installed: 05/06/1969
Capacity: 2000.00000
Contents: Hazardous
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: Tank Removed
Status Date: 04/21/1988
Date Installed: 05/06/1969
Capacity: 2000.00000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEBER & SMITH INC (Continued)

U003655023

Contents: Hazardous
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 5
Tank Status: Tank Removed
Status Date: 04/21/1988
Date Installed: 05/06/1969
Capacity: 2000.00000
Contents: Hazardous
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEBER & SMITH INC (Continued)

U003655023

Release:
Name: WEBBER & SMITH
Address: 15 PIERCE ST
City,State,Zip: READING, MA 01867
Release Tracking Number/Current Status: 3-0000991 / PENNFA
Primary ID: Not reported
Official City: READING
Notification: 11/07/1986
Category: NONE
Status Date: 07/28/1995
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 11/7/1986
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 11/7/1986
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: PENNFA
Action Date: 7/28/1995
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

11
SSE
1/2-1
0.863 mi.
4555 ft.

MAZDA DEALERSHIP
77 BAYSTATE ROAD
WAKEFIELD, MA 01880

MA SHWS S121146177
MA RELEASE N/A

Relative:
Higher
Actual:
84 ft.

SHWS:
Name: MAZDA DEALERSHIP
Address: 77 BAYSTATE ROAD
City,State,Zip: WAKEFIELD, MA 018800000
Facility ID: 3-0034369
Source Type: LINE
Release Town: WAKEFIELD
Notification Date: 07/17/2017
Category: TWO HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 08/31/2017
Phase: Not reported
Response Action Outcome: PN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAZDA DEALERSHIP (Continued)

S121146177

Oil Or Haz Material: Oil

Name: MAZDA DEALERSHIP
Address: 77 BAYSTATE ROAD
City,State,Zip: WAKEFIELD, MA 018800000
Facility ID: 3-0034369
Source Type: VEHICLE
Release Town: WAKEFIELD
Notification Date: 07/17/2017
Category: TWO HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 08/31/2017
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Release:

Name: MAZDA DEALERSHIP
Address: 77 BAYSTATE ROAD
City,State,Zip: WAKEFIELD, MA 018800000
Release Tracking Number/Current Status: 3-0034369 / PSNC
Primary ID: Not reported
Official City: WAKEFIELD
Notification: 07/17/2017
Category: TWO HR
Status Date: 08/31/2017
Phase: Not reported
Response Action Outcome: PN - PN
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 7/17/2017
Response Action Outcome: PN

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2017
Response Action Outcome: PN

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 8/3/2017
Response Action Outcome: PN

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/31/2017
Response Action Outcome: PN

Action Type: RNF
Action Status: Reportable Release under MGL 21E

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAZDA DEALERSHIP (Continued)

S121146177

Action Date: 8/31/2017
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/31/2017
Response Action Outcome: PN

Chemicals:
Chemical: HYDRAULIC FLUID
Quantity: 20 gallons
Location Type: COMMERCIAL
Source: VEHICLE
Source: LINE

12
West
1/2-1
0.899 mi.
4747 ft.

**NO LOCATION AID
1078 MAIN ST
READING, MA 01867**

**MA SHWS S102085563
MA RELEASE N/A**

**Relative:
Higher

Actual:
114 ft.**

SHWS:
Name: NO LOCATION AID
Address: 1078 MAIN ST
City,State,Zip: READING, MA 01867
Facility ID: 3-0011009
Source Type: DRUMS
Release Town: READING
Notification Date: 05/17/1994
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 07/15/1994
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Hazardous Material

Release:
Name: NO LOCATION AID
Address: 1078 MAIN ST
City,State,Zip: READING, MA 01867
Release Tracking Number/Current Status: 3-0011009 / RAO
Primary ID: Not reported
Official City: READING
Notification: 05/17/1994
Category: TWO HR
Status Date: 07/15/1994
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Release Disposition

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO LOCATION AID (Continued)

S102085563

Action Status: Reportable Release under MGL 21E
Action Date: 5/17/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 5/17/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 6/3/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/15/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/18/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/25/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Quantity: Not reported
Chemical: PAINT SOLIDS
Quantity: Not reported
Chemical: ADHESIVES
Quantity: Not reported
Location Type: OPENSOURCE
Source: DRUMS

13
SE
1/2-1
0.910 mi.
4805 ft.

RESIDENCE
54 EDWARD AVENUE NORTH
LYNNFIELD, MA 01940

MA SHWS S111277341
MA LUST N/A
MA RELEASE
MA ENF

Relative:
Higher
Actual:
98 ft.

SHWS:
Name: RESIDENCE
Address: 54 EDWARD AVENUE NORTH
City, State, Zip: LYNNFIELD, MA 019402540
Facility ID: 3-0030301
Source Type: TRANSFORM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

Release Town: LYNNFIELD
Notification Date: 09/09/2011
Category: 72 HR
Associated ID: Not reported
Current Status: RAO
Status Date: 03/31/2014
Phase: PHASE II
Response Action Outcome: A2
Oil Or Haz Material: Oil

LUST:

Facility:

Name: RESIDENCE
Address: 54 EDWARD AVENUE NORTH
City,State,Zip: LYNNFIELD, MA 019402540
Current Status: Response Action Outcome
Release Tracking Number/Current Status: 3-0030301 / RAO
Status Date: 03/31/2014
Source Type: UST
Release Town: LYNNFIELD
Notification Date: 09/09/2011
Category: 72 HR
Associated ID: Not reported
Phase: PHASE II
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Oil

Location Type: RESIDENTIAL
Source: UST
Source: TRANSFORM

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: #2 FUEL OIL
Quantity: 430 parts per million
Chemical: #2 FUEL OIL
Quantity: 487 parts per million

Actions:

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/10/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

Action Status:	Legal Notice Published
Action Date:	10/2/2012
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	10/24/2012
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Written Approval of Plan
Action Date:	10/24/2012
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date:	10/5/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	10/5/2012
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Modified Revised or Updated Plan Received
Action Date:	10/5/2012
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	11/8/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	11/8/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	11/8/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/9/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

reduced to background.

Action Type: BOL
Action Status: SHPFAC
Action Date: 12/1/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/27/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 3/16/2015
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: SHPFAC
Action Date: 3/20/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 3/31/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/31/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/10/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSSENT
Action Date: 7/11/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/15/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

Action Status: Status or Interim Report Received
Action Date: 8/2/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 8/3/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 9/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Name: RESIDENCE
Address: 54 EDWARD AVENUE NORTH
City,State,Zip: LYNNFIELD, MA 019402540
Release Tracking Number/Current Status: 3-0030301 / RAO
Primary ID: Not reported
Official City: LYNNFIELD
Notification: 09/09/2011
Category: 72 HR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

Status Date: 03/31/2014
Phase: PHASE II
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

[Click here to access the MA DEP site for this facility:](#)

Actions:

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/10/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 10/2/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 10/24/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 10/24/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.)
Action Date: 10/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 10/5/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 10/5/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 11/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 11/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 11/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: SHPFAC
Action Date: 12/1/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/27/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 3/16/2015
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: SHPFAC
Action Date: 3/20/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 3/31/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/31/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/10/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 7/11/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/15/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/2/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 8/3/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 9/10/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S111277341

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 9/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 430 parts per million
Chemical: #2 FUEL OIL
Quantity: 487 parts per million
Location Type: RESIDENTIAL
Source: UST
Source: TRANSFORM

ENFORCEMENT:

Name: ROGERS, DENNIS
Address: 54 EDWARD AVENUE NORTH
City,State,Zip: LYNNFIELD, MA 019402540
Region: NERO
DEP Region: NERO
DEP Program: 3r
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0030301
High Or Low Level Enforcement: LLE
FMF #: 0
Comptroller Billing Name: Not reported
Town Where Violation Occurred: LYNNFIELD
Date Executed: 10/24/2012
ENF #: Faux Enf- 1755
Document Type: IDL
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): NO
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP \$: Not reported
PAN \$: Not reported
EMS (Y/N): Not reported
EM\$: Not reported
SEP (Y/N): Not reported
SEP \$: Not reported
Demand \$: Not reported
Suspended \$: Not reported
Ownership: Individually Owned

Name: ROGERS, DENNIS
Address: 54 EDWARD AVENUE NORTH
City,State,Zip: LYNNFIELD, MA 019402540

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

S111277341

Region: NERO
 DEP Region: NERO
 DEP Program: 3r
 DEP Bureau: BWSC
 Program: BWSC
 Program Id: 3-0030301
 High Or Low Level Enforcement: LLE
 FMF #: 0
 Comptroller Billing Name: Not reported
 Town Where Violation Occurred: LYNNFIELD
 Date Executed: 10/05/2012
 ENF #: Faux Enf- 1754
 Document Type: IDL
 AG Ref (Y/N): Not reported
 Doc Archived (Y/N): Not reported
 EJ Community (Y/N): NO
 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: Individually Owned

14
 SE
 1/2-1
 0.921 mi.
 4864 ft.

POWER PRODUCTS SYSTEMS LLC
90 BAY STATE RD
WAKEFIELD, MA 01880

RCRA-SQG 1000211013
MA SHWS MAD001768092
MA UST
MA RELEASE
MA Financial Assurance
MA HW GEN
RI MANIFEST

Relative:
Higher
Actual:
84 ft.

RCRA-SQG:
 Date Form Received by Agency: 20181017
 Handler Name: POWER PRODUCTS SYSTEMS LLC
 Handler Address: 90 BAY STATE RD
 Handler City,State,Zip: WAKEFIELD, MA 01880
 EPA ID: MAD001768092
 Contact Name: JEFFREY MANNING
 Contact Address: BAY STATE RD
 Contact City,State,Zip: WAKEFIELD, MA 01880
 Contact Telephone: 617-246-1810
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 01
 Land Type: Private
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities, State-specific Activities
 State District Owner: MA
 State District: NE

Map ID
 Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Mailing Address:	BAY STATE RD
Mailing City,State,Zip:	WAKEFIELD, MA 01880
Owner Name:	POWER PRODS INC
Owner Type:	Private
Operator Name:	NEW ENGLAND DETROIT DIESEL ALLISON INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	--Y
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181026
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D018
Waste Description: BENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: POWER PRODS INC
Legal Status: Private
Date Became Current: 20041016
Date Ended Current: Not reported
Owner/Operator Address: 90 BAY STATE RD
Owner/Operator City,State,Zip: WAKEFIELD, MA 01880
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW ENGLAND DETROIT DIESEL ALLISON INC
Legal Status: Private
Date Became Current: 19900301
Date Ended Current: Not reported
Owner/Operator Address: 90 BAY STATE RD
Owner/Operator City,State,Zip: WAKEFIELD, MA 01880
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW ENGLAND DETROIT DIESEL ALLISON INC
Legal Status: Private
Date Became Current: 19900301
Date Ended Current: Not reported
Owner/Operator Address: 90 BAY STATE RD
Owner/Operator City,State,Zip: WAKEFIELD, MA 01880
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Owner/Operator Indicator: Owner
Owner/Operator Name: POWER PRODS INC
Legal Status: Private
Date Became Current: 20041016
Date Ended Current: Not reported
Owner/Operator Address: 90 BAY STATE RD
Owner/Operator City,State,Zip: WAKEFIELD, MA 01880
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19831109
Handler Name: POWER PRODUCTS SYSTEMS LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181017
Handler Name: POWER PRODUCTS SYSTEMS LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19940222
Handler Name: POWER PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811198
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

NAICS Code: 81149
NAICS Description: OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19880301
Actual Return to Compliance Date: 19901201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880711
Enforcement Identifier: 001
Date of Enforcement Action: 19880623
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19880301
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 19901201
Scheduled Compliance Date: 19880711
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

SHWS:

Name: POWER PRODUCTS SYSTEMS, LLC
Address: 90 BAY STATE ROAD
City,State,Zip: WAKEFIELD, MA 018800000
Facility ID: 3-0037095
Source Type: UNKNOWN
Release Town: WAKEFIELD
Notification Date: 10/18/2021
Category: 120 DY
Associated ID: Not reported
Current Status: PSNC
Status Date: 11/08/2021
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

UST:

Facility:

Name: POWER PRODUCTS INC
Address: 90 BAY STATE RD
City,State,Zip: WAKEFIELD, MA 01880
Facility ID: 11142
Owner Id: 5372
Owner: POWER PRODUCTS INC
Owner Address: 90 BAY STATE RD
Owner City,St,Zip: WAKEFIELD, MA 01880
Telephone: Not reported
Description: Non-Retail Motor Vehicle
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.52831
Longitude: -71.07303
Contact name: Not reported
Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 1995-05-08 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 5
Tank Status: Tank Removed
Status Date: 11/10/1993
Date Installed: 06/11/1977
Capacity: 500.00000
Contents: Diesel
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Release:

Name: POWER PRODUCTS SYSTEMS, LLC
Address: 90 BAY STATE ROAD
City, State, Zip: WAKEFIELD, MA 018800000
Release Tracking Number/Current Status: 3-0037095 / PSNC
Primary ID: Not reported
Official City: WAKEFIELD
Notification: 10/18/2021
Category: 120 DY
Status Date: 11/08/2021
Phase: Not reported
Response Action Outcome: PN - PN
Oil / Haz Material Type: Oil

[Click here to access the MA DEP site for this facility:](#)

Actions:

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/18/2021
Response Action Outcome: PN

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/18/2021
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/18/2021
Response Action Outcome: PN

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 11/23/2021
Response Action Outcome: PN

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 11/8/2021
Response Action Outcome: PN

Chemicals:
Chemical: TPH
Quantity: 40200 milligrams per kilogram
Source: UNKNOWN

MA Financial Assurance 2:
Name: POWER PRODUCTS INC
Address: 90 BAY STATE RD
City,State,Zip: WAKEFIELD, MA 01880
Facility Id: 11142
Description: Not reported
FR Type: Financial Test of Insurance

HW GEN:
Name: LIBERTY CHEVROLET INC
Address: 90 BAY STATE RD
City,State,Zip: WAKEFIELD, MA 01880
EPA Id: MAD985276708
RCRA Generator Status: VSQG
State Generator Status: LQG-MA

Name: POWER PRODUCTS SYSTEMS LLC
Address: 90 BAY STATE RD
City,State,Zip: WAKEFIELD, MA 01880
EPA Id: MAD001768092
RCRA Generator Status: SQG
State Generator Status: LQG-MA

RI MANIFEST:
Name: POWER PROD
Address: 90 BAY STATE RD
City,State,Zip: WAKEFIELD, MA 01880
EPA Id: MAD001768092
GEN Cert Date: 12/20/1990
Manifest Document Number: MAF291439
Waste Description: PET NAP
TSDf Id: RID084802842
TSDf Name: CHEM PAK
Qty: 180
WT/Vol Units: G
TSDf Date: Not reported
Transporter 2 Id: Not reported
Item Number: 1
Transporter 2 Name: Not reported
Transporter Name 2: CYCLE
Transporter EPAID: RID982198987
Transporter Receipt Date: Not reported
Number Of Containers: 0
Container Type: Not reported
Waste Code1: D001

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Fee Exempt Code:	Not reported
Comment:	Not reported
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
Quarter:	Not reported
Transporter Contact Name:	Not reported
Transporter Contact Email:	Not reported
Filing Date:	Not reported
Total Fee:	Not reported
Billing Name:	Not reported
Paid Date:	Not reported
Paid Time:	Not reported
Facility Receipt Date:	Not reported
Fee:	Not reported
Manifest Created Date:	Not reported
Manifest Updated Date:	Not reported
RI MANIFEST:	
Transporter Receipt Date:	7/31/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	F002
Waste Code2:	D039
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	United Oil Recovery Inc
TSDF Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	000066191UIS
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	55
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/31/2007
Facility Receipt Date:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	7/31/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	7/31/2007
Number Of Containers:	1
Container Type:	DM
Waste Code1:	F002
Waste Code2:	D039
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	United Oil Recovery Inc
TSDf Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	000066191UIS
Quarter:	Not reported
Waste Description:	WASTE PETROLEUM DISTILLATES NOS
Transporter Contact Name:	Not reported
Quantity:	55
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	a
Transporter Name:	UNITED INDUSTRIAL SERVICES
Billing Name:	Not reported
Transporter EPA ID:	CTD021816889
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/31/2007
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	7/31/2007
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	MA01
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Comment:	Not reported
Fee Exempt Code:	Not reported
TSD Name:	NORTHLAND ENVIRONMENTAL INC
TSD ID:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	RIC0025722
Quarter:	Not reported
Waste Description:	NON REG
Transporter Contact Name:	Not reported
Quantity:	3600
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	ENVIRONMENTAL PRODUCTS & SERVI
Billing Name:	Not reported
Transporter EPA ID:	NYD980761191
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	5/27/1994
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSD Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	MA01
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSD Name:	NORTHLAND ENVIRONMENTAL INC
TSD ID:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	RIC0025722
Quarter:	Not reported
Waste Description:	NON REG
Transporter Contact Name:	Not reported
Quantity:	3600
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Total Fee:	Not reported
Item Number:	1
Transporter Name:	ENVIRONMENTAL PRODUCTS & SERVI
Billing Name:	Not reported
Transporter EPA ID:	NYD980761191
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	5/27/1994
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	MA01
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	NORTHLAND ENVIRONMENTAL INC
TSDf Id:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	MAG139436
Quarter:	Not reported
Waste Description:	OILY SOLIDS
Transporter Contact Name:	Not reported
Quantity:	2400
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	JEFFREY CHEMICAL CO INC
Billing Name:	Not reported
Transporter EPA ID:	MAD080030356
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/8/1993
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	MA01
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	NORTHLAND ENVIRONMENTAL INC
TSDf Id:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	MAG139436
Quarter:	Not reported
Waste Description:	OILY SOLIDS
Transporter Contact Name:	Not reported
Quantity:	2400
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	JEFFREY CHEMICAL CO INC
Billing Name:	Not reported
Transporter EPA ID:	MAD080030356
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	7/8/1993
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D001
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	CHEM PAK
TSDf Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

EPA ID: MAD001768092
Manifest Docket Number: MAF291439
Quarter: Not reported
Waste Description: PET NAP
Transporter Contact Name: Not reported
Quantity: 180
Transporter Contact Email: Not reported
WT/Vol Units: G
Filing Date: Not reported
Total Fee: Not reported
Item Number: 1
Transporter Name: CYCLE
Billing Name: Not reported
Transporter EPA ID: RID982198987
Date Paid: Not reported
Time Paid: Not reported
GEN Cert Date: 12/20/1990
Facility Receipt Date: Not reported
Fee: Not reported
Transporter 2 Receipt Date: Not reported
Manifest Created Date: Not reported
TSDf Receipt Date: Not reported
Transporter 2 ID: Not reported
Manifest Updated Date: Not reported

Transporter Receipt Date: Not reported
Number Of Containers: 0
Container Type: Not reported
Waste Code1: D001
Waste Code2: Not reported
Waste Code3: Not reported
Waste Code4: Not reported
Waste Code5: Not reported
Waste Code6: Not reported
Comment: Not reported
Fee Exempt Code: Not reported
TSDf Name: CHEM PAK
TSDf Id: RID084802842
Transporter Name 2: Not reported
Company Permit Number: Not reported
Year: Not reported
EPA ID: MAD001768092
Manifest Docket Number: MAF291439
Quarter: Not reported
Waste Description: PET NAP
Transporter Contact Name: Not reported
Quantity: 180
Transporter Contact Email: Not reported
WT/Vol Units: G
Filing Date: Not reported
Total Fee: Not reported
Item Number: 1
Transporter Name: CYCLE
Billing Name: Not reported
Transporter EPA ID: RID982198987
Date Paid: Not reported
Time Paid: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

GEN Cert Date:	12/20/1990
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D001
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	CHEM PAK
TSDf Id:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	RIG0010056
Quarter:	Not reported
Waste Description:	PET NAP
Transporter Contact Name:	Not reported
Quantity:	20
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	CYCLE SOLVE CORPORATION
Billing Name:	Not reported
Transporter EPA ID:	RID982194987
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/19/1990
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDf Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	D001
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POWER PRODUCTS SYSTEMS LLC (Continued)

1000211013

Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSD Name:	CHEM PAK
TSD ID:	RID084802842
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001768092
Manifest Docket Number:	RIG0010056
Quarter:	Not reported
Waste Description:	PET NAP
Transporter Contact Name:	Not reported
Quantity:	20
Transporter Contact Email:	Not reported
WT/Vol Units:	G
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	CYCLE SOLVE CORPORATION
Billing Name:	Not reported
Transporter EPA ID:	RID982194987
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	9/19/1990
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSD Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported

[Click this hyperlink](#) while viewing on your computer to access additional RI_MANIFEST: detail in the EDR Site Report.

Count: 7 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
READING	S110670090	CHARLES STREET DUMPING GROUND	CHARLES ST	01867	MA SWF/LF
READING	S110055589	IN FRONT OF #572 HAVERHILL STREET	HAVERHILL ST	01867	MA SHWS, MA RELEASE
READING	S109489942	VACANT LOT MAP 92 PARCEL 14	SALEM ST	01867	MA SHWS, MA RELEASE
WAKEFIELD	S123244381	ROADWAY NEAR 57 NEW SALEM STREET	NEW SALEM STREET		MA SHWS, MA RELEASE
WAKEFIELD	1026612292	LEGER RUBBISH DISPOSAL	WASTE MANAGEMENT OF NEW ENGLAN	01880	PRP
WAKEFIELD	1026612291	LEGER RUBBISH DISPOSAL	C/O WASTE MANAGEMENT OF NEW EN	01880	PRP
WAKEFIELD,	1026598616	GODETT & BOYER, INC.	WASTE MGMT. OF N. AM., EASTERN	01880	PRP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Lists of Federal NPL (Superfund) sites

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: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: N/A
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 06/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/11/2022
	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 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

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: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: N/A
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 06/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/11/2022
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Lists of Federal Delisted NPL sites

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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
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 known 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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/27/2022	Source: EPA
Date Data Arrived at EDR: 05/05/2022	Telephone: 800-424-9346
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 06/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/25/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/28/2022	Source: EPA
Date Data Arrived at EDR: 03/02/2022	Telephone: 800-424-9346
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 02/08/2022	Source: Department of the Navy
Date Data Arrived at EDR: 02/11/2022	Telephone: 843-820-7326
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/22/2022
	Data 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: 02/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2022	Telephone: 703-603-0695
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/24/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 09/05/2022
	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: 02/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2022	Telephone: 703-603-0695
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/04/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2021	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 03/01/2022	Telephone: 202-267-2180
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 03/22/2022
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Site Transition List

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

Date of Government Version: 01/19/2022	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/20/2022	Telephone: 617-292-5990
Date Made Active in Reports: 03/23/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/27/2015	Telephone: 617-292-5868
Date Made Active in Reports: 12/14/2015	Last EDR Contact: 03/31/2022
Number of Days to Update: 48	Next Scheduled EDR Contact: 07/11/2022
	Data Release Frequency: Varies

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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/03/2020	Telephone: 617-292-5989
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 04/29/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/11/2022
	Data Release Frequency: Annually

Lists of state and tribal leaking storage tanks

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: 01/19/2022	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/20/2022	Telephone: 617-292-5990
Date Made Active in Reports: 03/23/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LAST: Leaking Aboveground Storage Tank Sites

Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 01/19/2022	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/20/2022	Telephone: 617-292-5500
Date Made Active in Reports: 03/23/2022	Last EDR Contact: 05/05/2022
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-8677
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 04/21/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3372
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 04/21/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021	Source: EPA Region 7
Date Data Arrived at EDR: 11/15/2021	Telephone: 913-551-7003
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6271
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/12/2021	Source: EPA, Region 5
Date Data Arrived at EDR: 11/15/2021	Telephone: 312-886-7439
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-6597
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 04/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021	Source: FEMA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-646-5797
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 04/04/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 07/18/2022
	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: 01/12/2022	Source: Department of Fire Services, Office of the Public Safety
Date Data Arrived at EDR: 01/18/2022	Telephone: 617-556-1035
Date Made Active in Reports: 04/07/2022	Last EDR Contact: 04/11/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/25/2022
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Database Registered Aboveground Storage Tanks.

Date of Government Version: 12/15/2021	Source: Department of Public Safety
Date Data Arrived at EDR: 01/12/2022	Telephone: 617-556-1035
Date Made Active in Reports: 03/31/2022	Last EDR Contact: 04/12/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/25/2022
	Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tanks Aboveground storage tanks

Date of Government Version: 01/10/2022	Source: Department of Fire Services
Date Data Arrived at EDR: 01/11/2022	Telephone: 978-567-3181
Date Made Active in Reports: 03/31/2022	Last EDR Contact: 04/25/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/25/2022
	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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
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: 01/19/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/23/2022
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

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
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield 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: 04/29/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS 2: Potential Brownfields Listing

A listing of potential brownfields site locations in the state.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 01/29/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 617-556-1007
Last EDR Contact: 04/29/2022
Next Scheduled EDR Contact: 08/08/2022
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: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 06/27/2022
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
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
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
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
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Services, 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: 04/28/2022
Number of Days to Update: 176	Next Scheduled EDR Contact: 08/08/2022
	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: 02/22/2022	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/23/2022	Telephone: 202-307-1000
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/24/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/05/2022
	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: 02/22/2022	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/23/2022	Telephone: 202-307-1000
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/24/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Quarterly

PFAS: PFAS Contaminated Sites Listing

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

Date of Government Version: 12/21/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/21/2021	Telephone: 617-292-6770
Date Made Active in Reports: 03/11/2022	Last EDR Contact: 03/30/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 07/11/2022
	Data Release Frequency: Varies

Local Land Records

LIENS: Liens Information Listing

A listing of environmental liens.

Date of Government Version: 03/07/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/09/2018	Telephone: 617-292-5628
Date Made Active in Reports: 06/21/2018	Last EDR Contact: 05/26/2022
Number of Days to Update: 104	Next Scheduled EDR Contact: 08/29/2022
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
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: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 84

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RELEASE: Reportable Releases

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

Date of Government Version: 01/19/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/23/2022
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 07/18/2022
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

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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 36

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/05/2013
Number of Days to Update: 61

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 04/06/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 12/01/2021	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/15/2022	Telephone: 202-528-4285
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 05/17/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 08/29/2022
	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: 06/07/2021	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 04/12/2022
Number of Days to Update: 239	Next Scheduled EDR Contact: 07/25/2022
	Data Release Frequency: Varies

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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 04/05/2022
Number of Days to Update: 574	Next Scheduled EDR Contact: 07/18/2022
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/06/2022
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/22/2022
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/13/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
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: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
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: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
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: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
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
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/20/2022
Next Scheduled EDR Contact: 08/29/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/19/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2022
Next Scheduled EDR Contact: 08/01/2022
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: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 09/12/2022
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: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 08/15/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
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: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
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.

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/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: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
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: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/12/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
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
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
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: 03/28/2022
Next Scheduled EDR Contact: 07/11/2022
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
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: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 12/31/2021	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/14/2022	Telephone: Varies
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 04/04/2022
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/18/2022
	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 generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019	Source: EPA/NTIS
Date Data Arrived at EDR: 03/02/2022	Telephone: 800-424-9346
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 23	Next Scheduled EDR Contact: 07/04/2022
	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	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/05/2022
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/18/2022
	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) operations.

Date of Government Version: 07/26/2021	Source: Department of Energy
Date Data Arrived at EDR: 07/27/2021	Telephone: 202-586-3559
Date Made Active in Reports: 10/22/2021	Last EDR Contact: 04/28/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 08/15/2022
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 05/16/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 08/29/2022
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/05/2022	Telephone: 703-603-8787
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/11/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 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

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: 02/01/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Administration
Telephone: 202-693-9424
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

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
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 05/27/2022
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/05/2022
	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: 12/14/2021	Source: Department of Interior
Date Data Arrived at EDR: 12/15/2021	Telephone: 202-208-2609
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 06/02/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/19/2022
	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: 05/13/2022	Source: EPA
Date Data Arrived at EDR: 05/18/2022	Telephone: (617) 918-1111
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 05/18/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020	Source: Department of Defense
Date Data Arrived at EDR: 01/11/2022	Telephone: 703-704-1564
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 04/12/2022
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/25/2022
	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: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 05/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/05/2022
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 01/12/2022
Date Data Arrived at EDR: 01/13/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 88

Source: Department of Environmental Protection
Telephone: 617-292-5789
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 90

Source: Department of Environmental Protection
Telephone: 617-292-5982
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

DRYCLEANERS: Regulated Drycleaning Facilities

A listing of Department of Environmental Protection regulated drycleaning facilities that use perchloroethylene under the Environmental Results Program.

Date of Government Version: 02/25/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 617-292-5633
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Action Cases

A listing of enforcement action cases tracked by Department of Environmental Protection programs, including Solid Waste and Hazardous Waste.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 01/28/2022
Number of Days to Update: 3

Source: Department of Environmental Quality
Telephone: 617-292-5979
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/02/2022
Next Scheduled EDR Contact: 09/19/2022
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: 01/12/2022
Date Data Arrived at EDR: 01/18/2022
Date Made Active in Reports: 04/07/2022
Number of Days to Update: 79

Source: Office of State Fire Marshal
Telephone: 978-567-3100
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
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: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
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: 12/29/2021
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/18/2022
Number of Days to Update: 83

Source: MassGIS
Telephone: 617-556-1150
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
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: 12/10/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/11/2022
Number of Days to Update: 85

Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Semi-Annually

MERCURY: Mercury Product Recycling 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: 08/16/2021
Date Data Arrived at EDR: 10/01/2021
Date Made Active in Reports: 12/21/2021
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: 617-292-5632
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES Permit Listing

Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.

Date of Government Version: 01/07/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/11/2020	Telephone: 508-767-2781
Date Made Active in Reports: 04/21/2020	Last EDR Contact: 05/13/2022
Number of Days to Update: 70	Next Scheduled EDR Contact: 08/22/2022
	Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report

Date of Government Version: 12/31/2019	Source: Massachusetts Emergency Management Agency
Date Data Arrived at EDR: 07/19/2021	Telephone: 508-820-2019
Date Made Active in Reports: 08/17/2021	Last EDR Contact: 05/06/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/25/2022
	Data Release Frequency: Annually

TSD: TSD Facility

List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 12/10/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/16/2021	Telephone: 617-292-5580
Date Made Active in Reports: 03/11/2022	Last EDR Contact: 03/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Varies

UIC: Underground Injection Control Listing

A list of UIC registration data and their locations

Date of Government Version: 11/09/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 11/09/2021	Telephone: 617-566-1172
Date Made Active in Reports: 01/28/2022	Last EDR Contact: 05/06/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/22/2022
	Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014	Source: EPA
Date Data Arrived at EDR: 01/06/2015	Telephone: 202-564-2496
Date Made Active in Reports: 05/06/2015	Last EDR Contact: 03/31/2022
Number of Days to Update: 120	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Semi-Annually

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	Source: EPA, Office of Water
Date Data Arrived at EDR: 08/05/2011	Telephone: 202-564-2496
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 03/31/2022
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 02/05/2015	Telephone: 202-564-2497
Date Made Active in Reports: 03/06/2015	Last EDR Contact: 03/31/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/18/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES 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: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	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

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: 12/03/2021	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/11/2022	Telephone: 860-424-3375
Date Made Active in Reports: 05/06/2022	Last EDR Contact: 05/09/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 08/22/2022
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 04/07/2022
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/18/2022
	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: 10/29/2021	Telephone: 518-402-8651
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 04/28/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/08/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
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: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
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: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SYMONDS WAY
0 E OF HAVERHILL STREET
READING, MA 01867

TARGET PROPERTY COORDINATES

Latitude (North):	42.539934 - 42° 32' 23.76"
Longitude (West):	71.084381 - 71° 5' 3.77"
Universal Transverse Mercator:	Zone 19
UTM X (Meters):	328835.4
UTM Y (Meters):	4711618.5
Elevation:	81 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	11762183 READING, MA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

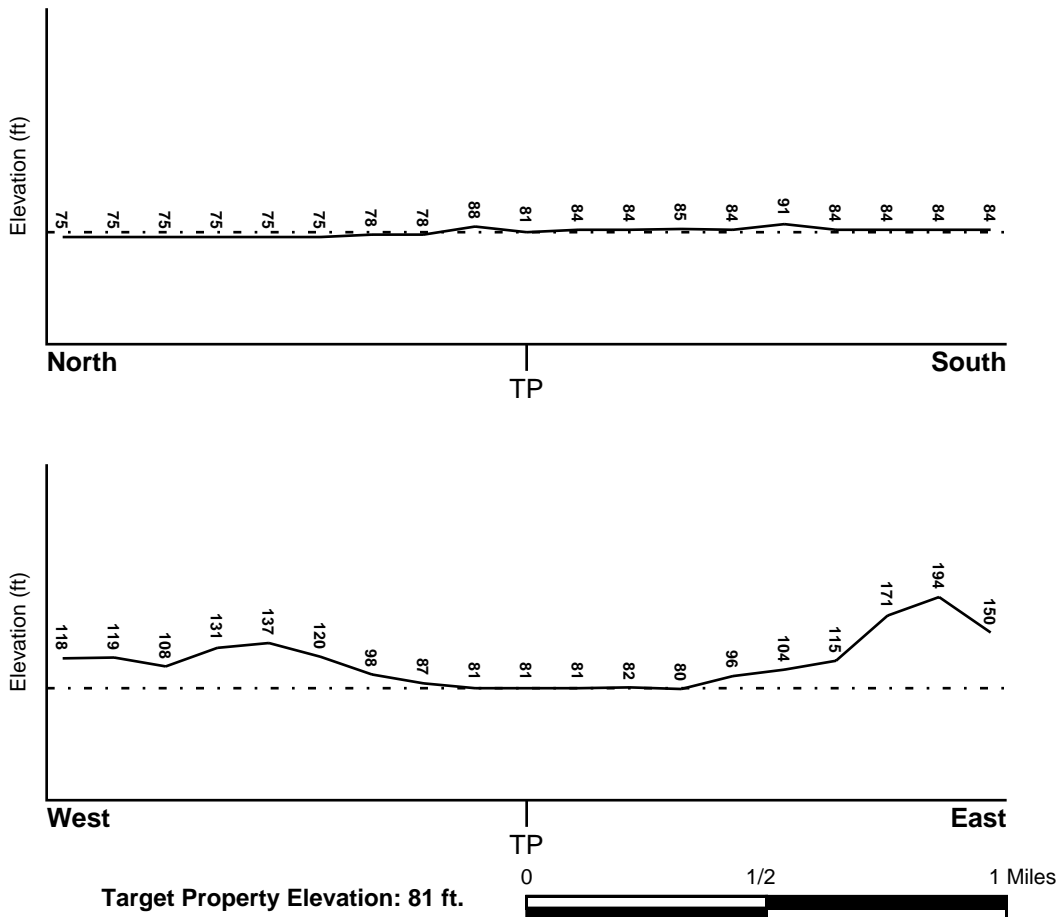
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
25009C0387F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
25017C0311E	FEMA FIRM Flood data
25017C0312E	FEMA FIRM Flood data
25009C0389F	FEMA FIRM Flood data
25017C0313E	FEMA FIRM Flood data
25017C0314E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
READING	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Ordovician
Series: Ordovician volcanic rocks
Code: Ov *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Volcanic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: WINDSOR

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.00 Min: 4.50
2	2 inches	20 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.00 Min: 4.50
3	20 inches	65 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
muck
gravelly - sandy loam
loamy fine sand
extremely gravelly - sand
silt loam
mucky - loamy sand

Surficial Soil Types: fine sandy loam
muck
gravelly - sandy loam
loamy fine sand
extremely gravelly - sand
silt loam
mucky - loamy sand

Shallow Soil Types: loamy coarse sand
loamy sand
silt loam

Deeper Soil Types: stratified
sapric material

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

extremely gravelly - sand
silt loam
coarse sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000476737	1/2 - 1 Mile South
A2	USGS40000476742	1/2 - 1 Mile SSW
A3	USGS40000476727	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

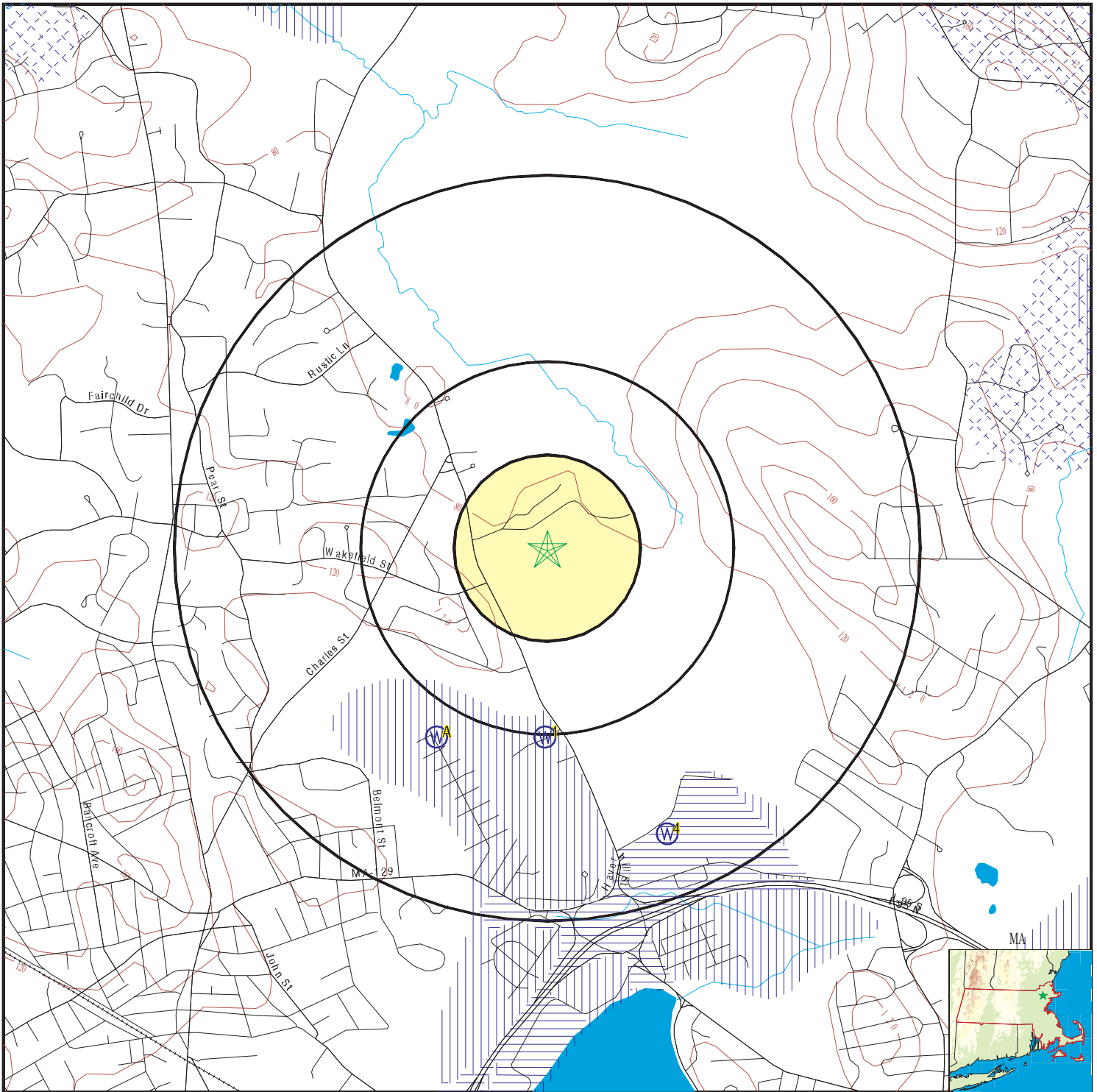
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	MA9000000004109	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 7011317.2s



- | | | |
|--|--|-------------------------------------|
| County Boundary | Groundwater Flow Direction | Potentially Productive Aquifers |
| Major Roads | Indeterminate Groundwater Flow at Location | Not Potentially Productive Aquifers |
| Contour Lines | Groundwater Flow Varies at Location | DEP Approved Zone IIs |
| Earthquake epicenter, Richter 5 or greater | | EPA Designated Sole Src. Aq. |
| Water Wells | | |
| Public Water Supply Wells | | |
| Cluster of Multiple Icons | | |

SITE NAME: Symonds Way
 ADDRESS: 0 E of Haverhill Street
 Reading MA 01867
 LAT/LONG: 42.539934 / 71.084381

CLIENT: Weston and Sampson Engineers
 CONTACT: Jill Murphy Ready
 INQUIRY #: 7011317.2s
 DATE: June 08, 2022 4:55 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
South
1/2 - 1 Mile
Higher

FED USGS USGS40000476737

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-RBW 39	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1920
Well Depth:	5	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

A2
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40000476742

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-RBA 2	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1956
Well Depth:	21	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

A3
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40000476727

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-RBA 1	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1956
Well Depth:	14	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

4
SSE
1/2 - 1 Mile
Higher

MA WELLS MA9000000004109

PWS ID: Not Reported
 Type: Not Reported
 SubBasin: NORTH COASTAL

Site Name: Not Reported
 Facility Name: MA ARMY NATIONAL GUARD

Basemap: DOQ
 Feature Type: CB
 Primary Location Source: KNOW
 Tertiary Location Source: Not Reported
 Date Mapped: 04-NOV-98

Accuracy Estimate (ft): 100
 Location Method: OTH
 Secondary Location Source: Not Reported
 UST ID: 20782

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County	% of sites > 4 pCi/L	Median
MIDDLESEX	26	2.2

Federal EPA Radon Zone for MIDDLESEX County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 01867

Number of sites tested: 6

Area	Average Activity	% < 4 pCi/L	% 4-20 pCi/L	% > 20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.200 pCi/L	67%	33%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Massachusetts Geographic Information System (MassGIS) Datalayers

Source: Executive Office of Environmental Affairs

Telephone:

Public Water Supply Database

Telephone:

The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

Areas of Critical Environmental Concern

Telephone:

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.

EPA Designated Sole Source Aquifers

Telephone:

The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by an EPA hydrogeologist.

Aquifers

Telephone:

MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

Non-Potential Drinking Water Source Areas

Telephone:

Non-Potential Drinking Water Source Areas (NPDWSA) are regulatory in nature representing one of many considerations used in determining the standards to which ground water must be cleaned in the event of a release of oil or hazardous material. NPDWSAs are not based on existing water quality and do not indicate poor ambient conditions.

DEP Approved Zone IIs

Telephone:

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER STATE DATABASE INFORMATION

RADON

State Database: MA Radon
Source: Department of Health
Telephone: 413-586-7525
Radon Test Results

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Symonds Way

0 E of Haverhill Street
Reading, MA 01867

Inquiry Number: 7011317.5
June 13, 2022

The EDR-City Directory Image Report

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1989	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1984	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1971	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1968	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

0 E of Haverhill Street
Reading, MA 01867

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
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HAVERHILL ST

2014	pg A2	EDR Digital Archive
2010	pg A5	EDR Digital Archive
2005	pg A8	EDR Digital Archive
2000	pg A11	EDR Digital Archive
1995	pg A15	EDR Digital Archive
1992	pg A18	EDR Digital Archive
1989	pg A20	Cole Criss-Cross Directory
1984	pg A21	Cole Criss-Cross Directory
1975	pg A22	Cole Criss-Cross Directory
1971	pg A23	Cole Criss-Cross Directory
1968	pg A24	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>SYMONDS ST</u>			
1995	pg. A17	EDR Digital Archive	
1992	-	EDR Digital Archive	Street not listed in Source
1989	-	Cole Criss-Cross Directory	Street not listed in Source
1984	-	Cole Criss-Cross Directory	Street not listed in Source
1975	-	Cole Criss-Cross Directory	Street not listed in Source
1971	-	Cole Criss-Cross Directory	Street not listed in Source
1968	-	Cole Criss-Cross Directory	Street not listed in Source

SYMONDS WAY

2014	pg. A4	EDR Digital Archive	
2010	pg. A7	EDR Digital Archive	
2005	pg. A10	EDR Digital Archive	
2000	pg. A14	EDR Digital Archive	

City Directory Images

HAVERHILL ST 2014

40	PURINGTON, KENNETH N
60	MINEAR, NICHOLAS
62	MUSTONE, SARA A
64	JENNINGS, WILLIAM A WJJ PLANNING CONSTRUCTION & MANAGEME
70	STRANDBERG, ROBERT T
74	KAPLAN, CHARLES S
80	FOLEY, THOMAS J
86	DELLORFANO, RALPH W
99	COLBERT ELECTL CO INC OCCUPANT UNKNOWN,
105	AHMED, SANIA G
113	OCCUPANT UNKNOWN,
114	MORENO, RICHARD D
117	LA, SU H
121	GUTIERREZ, DANIEL M
126	BRIAN, AUSTIN
127	TABOR, JACKLYN
133	TRUITT, DONALD C
139	GUARINO, MARY E
147	OCCUPANT UNKNOWN,
153	ROACHE, ANASTASI
169	GOLINI, EVAN V
172	BRAMANTE, BERNARD
173	ANDERSON, EVERETT O
178	DEMARCO, CHARLES W
197	EADE, T
198	RICHARDS, FLO J
203	DUDLEY, JAMES D
209	RYAN, ANDREW C
217	OCCUPANT UNKNOWN,
218	MCKENNA, CHARLES J
222	FOX, CORY B
223	PANG, DENNIS
227	GAFFNY, KELLY A
230	OCCUPANT UNKNOWN,
233	GILLESPIE, KEVIN A LUCIANO, HELEN M
234	MAROTTOLI, ERMINIO J
239	MARKS, RICHARD H
240	GRAMOLINI, ROBERT L
243	KING, ROBERT N
244	TRULLO, JANE B
251	DIVITO, MARIE A
252	EBBS, JOANN E
258	WILLIAMS, DAVID L
259	DISCIULLO, JOSEPH E
266	NELSON, IAN A
267	PERRY EDWARD M PERRY, EDWARD M

SYMONDS WAY 2014

51 BURBANK ICE ARENA
READING ICE ARENA AUTHORITY INC



-

HAVERHILL ST 2010

40	PURINGTON, KENNETH N
60	MINEAR, JONATHAN C
62	MUSTONE, SARA A
64	JENNINGS, WILLIAM A WJJ PLANNING CONSTRUCTION
70	STRANDBERG, MATTHEW R
74	KAPLAN, CHARLES S
80	FOLEY, THOMAS J
86	DELLORFANO, RALPH W
99	COLBERT ELECTRICAL CO INC
105	AHMED, IFTIKHAR
114	MORENO, RICHARD D
117	DAM, KATHY L
121	GUTIERREZ, DANIEL M
127	GUARINO, JESSICA
133	TRUITT, DONALD C
139	GUARINO, DAVID M
143	ASCOLI, ROBERT J
147	SMITH, JAMES R
153	ROACHE, ANASTASI
169	PEREIRA, CORINNE R
172	BRAMANTE, PETER D
173	ANDERSON, EVERETT O
178	DEMARCO, STEPHANIE M
197	EADE, ALETHEA M
198	RICHARDS, DAVE L
203	RIDEOUT, JAMES T
209	RYAN, ANDREW C
217	BEAIRD, DONALD J
218	MCKENNA, CHARLES J
222	FOX, ERIC
223	PANG, DENNIS
227	GAFFNY, KELLY A
230	DALY, PATRICK J
233	GILLESPIE, KEVIN A
234	MAROTTOLI, ERMINIO J
239	MARKS, RICHARD H
240	ARYA, MEHDI K
243	KING, ROBERT N
244	LAVELLE, BRIAN
251	DIVITO, RALPH C
258	WILLIAMS, DAVID L
259	DISCIULLO, MICHAEL D
266	NELSON, IAN
267	PERRY EDWARD M PERRY, EDWARD M
273	BURROWS, ROBERT M
274	BURKE, PAUL U PERFECT CUTS LANDSCAPING SVC
277	NUTTALL, MICHAEL T

SYMONDS WAY 2010

51 READING ICE ARENA AUTHORITY

HAVERHILL ST 2005

40	PURINGTON, KENNETH N
60	MINEAR, JONATHAN R
61	SAIA JOS JR
62	JENNINGS, WILLIAM A
64	WJJ PLANNING CONSTRUCTION & MANAGEME
70	STRANDBERG, ROBERT T
74	KAPLAN, CHARLES S
80	CARD COMPENDIUM
	FOLEY, THOMAS J
86	CRUNK, DAVID C
99	COLBERT ELECTRICAL CO INC
	COLBERT, JAMES H
105	AHMED, IFTIKHAR
113	MANDOLESE, ROBERT R
114	MORENO, RITA M
117	DAN, KATHY
121	GUTIERREZ, DANIEL M
126	LEONARD, DAVID
127	PETRUZZIELLO, GIORGIO
132	MUSTONE, MICHAEL J
133	MARLENE TRUITT
	TRUITT, DONALD C
139	GUARINO, DAVID M
143	ASCOLI, ROBERT J
147	SMITH, JAMES R
153	MAGRATH, RUTH V
164	DIFRAIA, DAVID V
169	PEREIRA, PETER C
170	FAGEN, CHRISTOPHER
173	ANDERSON, EVERETT O
197	EADE, ALETHEA M
198	RICHARDS, DAVE L
203	RIDEOUT, JAMES T
209	ANDREWS, DONALD L
217	BEAIRD, DONALD J
218	GIORDANO, JAMES M
222	CORSON, SANDRA J
223	HUFF, HAROLD B
227	CONDON, KELLY A
230	DALY, PATRICK J
233	GILLESPIE, KEVIN A
	PLAY ON DVD LTD
234	MAROTTOLI, ERMINIO J
239	MCCORMACK, FRANCIS E
240	DORAN, LISA E
243	FIELDS, DONALD P
244	STORTI, JACKIE J
251	DIVITO, KARLA J
252	EBBS, LAWRENCE M
258	WILLIAMS, DAVID L

HAVERHILL ST 2005 (Cont'd)

259 DISCIULLO, JOSEPH C
266 DUTILLE, DAVID K
267 PERRY, EDWARD M
273 BURROWS, ROBERT M
274 BURKE, PAUL U
277 DANTONA, ROBERT R
287 BOURQUE, ANNE M
293 CARL W STINSON INC
STINSON CARL W AUCTIONEERS & APPRAIS
STINSON, CARL W
296 FENNELL, ANTHONY F
306 EUVRARD, SCOTT A
ST ATHANASIUS CHURCH
311 GRIMMER, MARY F
LITTLE TREASURES SCHOOLHO
321 MAILLETT, DAVID C
329 ROTONDO, JOHN C
337 WILSON, CHARLES R
345 SCALESSE, CLARA J
351 HORVATH, ALLEN M
356 MCCULLOCK, S
357 A HAPPY FACE BY PETUNIA
364 MOTTOLA, JOHN
365 THORNTON, JOHN T
372 BHARDWAJ, MAHESH K
379 EDGETT, ROBERT H
385 GOSSELIN, MICHAEL R
387 BOUCHER, JAMES R
389 GRACE, WILLIAM R
READING COMMUNITY SINGERS INC
392 DENTREMONT, KEITH J
398 BRAMANTE, SALVATORE
406 BRAMANTE, SALVATORE
409 GEORGS, ALFRED J
419 SIDORE, JAMES J
420 WEATHERBEE, EDWARD C
432 CURRAN, JULIE
HERLIHY, ANDERW K
443 FOLGER, BARBARA A
453 NITZCHE, SALLY C
456 CORBETT, BRIAN J
462 WILKINSON, ALFRED M
494 RICCI, VITTORI M

SYMONDS WAY 2005

18	DELUCA, ROBERT J
51	BURBANK ICE ARENA
	NORTH SHORE SKATING CLUB INC



-

HAVERHILL ST 2000

40	PURINGTON, KENNETH
60	MINEAR, JOAN
62	JENNINGS, WILLIAM
	MUSTONE, S
64	SPROWL, EDWARD M
	WJJ PLANNING CONSTRUCTION & MANAGEMENT
70	STRANBERG, RACHAEL
80	LALLY, D
86	CRUNK, DAVID
	DAVID, C C
	DELLORFANO, RALPH W
99	COLBERT ELECTL COMPANY INCORPORATED
105	AVERY, RUTH A
112	WOLSEY ASSOCIATES
113	BLAUVELT, CAROL A
	MANDOLESE, LORI
	MANDOLESE, ROBERT
114	MORENO, RICHARD D
117	LAHIEN, DONG
121	CHIN, M
132	MUSTONE, MICHAEL J
133	TRUITT, DONALD C
139	GUARINO, DAVID M
147	GRIMMER, MANFRED
	MOORE, JEFFREY
153	MAGRATH, RUTH A
156	STUDLEY, SHARON
169	RICH, CORINNE
172	JOHNSON, BARBARA O
	LYNCH, RICHARD P
173	ANDERSON, NANCY
178	BASSETT, BARBIE L
	DEMARCO, CHARLES M
	GONZALO, THERESA M
197	EADE, ALLYN W
198	RICHARDS, DAVE
203	BERGERON, RENE C
209	ANDREWS, DONALD L
218	KELLY, M P
222	CORSON, SANDRA J
223	HUFF, HAROLD B
227	GODDARD, FRANK
233	GILLESPIE, KEVIN
234	MAROTTOLI, ERMINIO
236	MOORE, WILLIAM R
239	MCCORMACK, FRANK E
	WALL, ERIN
240	GLADYS, M M
243	FIELDS, DONALD P
244	STORTI, JOHN

HAVERHILL ST 2000 (Cont'd)

251	DIVITO, JAMES F
252	EBBS, L E
258	WILLIAMS, DAVID L
259	DISCIULLO, JOSEPH
266	DUTILLE, DAVID
267	PERRY EDW M ATTORNEY
273	BURROWS, B M
274	SECHER, LISA
	SECHER, SVEND A
277	BUTTON, WESTON A
284	SMITH, C T
287	BOURQUE, ANNE M
	WOOLDRIDGE, JOANNE R
293	AMERICAN ANTIQUES CARL W STINSON INCORPORATED
	STINSON CARL W INCORPORATED
	STINSON, CARL W
300	ST ATHANASIUS PARISH READING
306	EUVRARD, SCOTT A
311	OBRIEN, ARTHUR E
317	BURBANK ICE ARENA
	NORTH SHORE SKATING CLUB
320	MEREDITH & GREW INCORPORATED
	MERENDA, PAUL G
321	MAILLETT, DAVID
337	BURTON, CHERYL
345	BERTONCINI, LUCY R
	LUCY, B
	SCALESSE, CLARA
351	SERRECCHIA, GINO
356	JENSEN, CHARLES
357	HORVATH, ALLEN
364	SANSON, LUISA M
365	FORBES, H P
	HALLIGAN, JAMES
	HALLWOODS ASSOCIATES
	PAIVA, FRANCIS
372	BHARDWAJ, MAHESH
379	EDGETT, ROBERT B
385	GOSSELIN, MICHAEL
387	BOUCHER, RON
389	GRACE, WILLIAM R
392	HALL, DONALD F
398	DENTREMONT, JAMES
409	GEORGS, ALFRED
420	WEATHERBEE, EDWARD C
432	HERLIHY, ANDREW
	KEATING, LYNNE M
	VOLZ, TREVOR
434	OHAGAN, BRENDAN
443	FOLGER, BARBARA A



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HAVERHILL ST 2000 (Cont'd)

444 ROGERS, RICHARD J
453 NITZSCHE, MILDRED B
456 GODDARD, B
 LOOMIS, ANDREW
 PIOLI, JANE B
 SCHURMAN, DAVID
462 RICKLEY, MICHAEL E
516 SHANNON, PATRICK

SYMONDS WAY 2000

51 BURBANK ICE ARENA
READING ICE ARENA AUTHORITY INCORPORATED



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HAVERHILL ST 1995

40 PURINGTON, KENNETH
 60 MINEAR, J
 62 JENNINGS, WM, JR
 64 JENNINGS, W J
 99 COLBERT ELECTL CO INC
 COLBERT, JAS H
 105 AVERY, RAYMOND W
 113 MANDOLESE, LORI
 MANDOLESE, ROBT JR & CATHERINE
 117 DEFFELY, SHEILA & PAUL
 121 CHIN, E
 126 MUSTONE, S
 127 MINICH, HENRY
 133 TRUITT, D
 139 GUARINO, DAVID M & MARY
 147 GRIMMER, MANFRED & MARY
 WESLEY, PETER
 153 MAGRATH, R A
 172 JOHNSON, B
 LYNCH, RICHARD P
 173 ANDERSON, EVERETT & NANCY
 178 DEMARCO, CHAS M
 DEMARCO, PEDRO
 197 EADE, ALLYN W
 198 RICHARDS, DAVE & FLO
 203 BERGERON, GREGORY A
 MITCHELL, CHRIS
 209 ANDREWS, DONALD L
 218 KELLY, WM F
 222 CORSON, DAVID & SANDRA
 223 HUFF, HAROLD B
 227 GODDARD, FRANK, JR
 230 DALY, PATK J
 233 GILLESPIE, K
 GILLESPIE, KEVIN
 234 MAROTTOLI, ERMINIO
 236 MOORE, WM R
 239 MCCORMACK, FRANK E
 243 FIELDS, DONALD P
 244 STORTI, JOHN & JACKIE
 251 DIVITO, JAS F
 252 EBBS, LAWRENCE E
 258 WILLIAMS, DAVID L
 259 DISCIULLO, JOS
 DISCIULLO, JOSEPH
 266 DUTILLE, DAVID & ELAINE
 267 PERRY EDW M, ATTY
 273 BURROWS, B MC CULLY
 274 SECHER, LISA
 SECHER, SVEND A, JR

HAVERHILL ST

1995

(Cont'd)

277 BUTTON, WESTON A
 284 SMITH, C T
 287 BOURQUE, A M
 WOOLDRIDGE, J R
 293 AMERICAN ANTIQUES CARL W STINSON INC
 STINSON CARL W INC
 STINSON, CARL W
 300 ST ATHANASIUS PARISH-READING-PARISH HALL
 ST ATHANASIUS PARISH-READING-RECTORY
 311 O'BRIEN, ARTHUR E
 O'BRIEN, E
 317 NORTH SHORE SKATING CLUB
 320 MERENDA, G
 MERENDA, PAUL G
 MERENDA, PAUL, FLR SANDING
 MERENDA, PAUL, FLR SANDING-RES
 321 MAILLETT, DAVID
 337 BURTON, CHERYL
 345 BERTONCINI, LEO J
 SCALESSE, CLARA
 351 SERRECCHIA, GINO
 356 JENSEN, CHAS
 365 HALLIGAN, JAS & PATRICIA
 PAIVA, FRANCISCO
 372 DEFURIA, A S
 379 PROCTOR, MAURICE C
 385 GOSSELIN, MICHAEL & RUTH
 387 BOUCHER, RON & BARB
 389 GRACE, WM R
 392 HALL, DONALD F
 398 D'ENTREMONT, JAS
 D'ENTREMONT, N T
 409 GEORGS, ALFRED J & YVONNE
 GEORGS, JURGEN & HEIKE
 419 ROBERTS, STEVEN A & CAROL B
 420 WEATHERBEE, EDWARD C
 425 WALTER, M
 432 CURLEY, PATRICIA A & LEO
 FOGLIETTA, MICHAEL & ERIN
 434 RUSCAK, DAVID & NICOLE
 RUSCAK, DAVID J
 443 FOLGER, B A
 444 BEAULIEU, A & D
 453 NITZSCHE, CURT & SALLY
 NITZSCHE, M B
 456 DIGENNARO, CORRADO
 KING, DUSTY
 LOPEZ, REBECCA
 SCHURMAN, DAVID
 494 RICCI, VITTORIO

SYMONDS ST 1995

51 BURBANK ICE ARENA
READING ICE ARENA AUTHORITY INC



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HAVERHILL ST 1992

40 PURINGTON, KENNETH
60 KENT, JOHN D
62 JENNINGS, WM, JR
99 COLBERT ELECTL CO INC
COLBERT, JAS H
105 AVERY, RAYMOND W
113 MANDOLESE, LORI
MANDOLESE, ROBT JR & CATHERINE
114 PHELAN, MICHAEL & ANDREA
117 DEFFELY, SHEILA & PAUL
121 CHIN, E
122 VARNEY, PARIS
126 MUSTONE, MICHAEL J
127 MINICH, HENRY
133 TRUITT, D
139 GUARINO, DAVID M & MARY
153 DE LUCA, R A
169 O'RIORDAN, KELLY
172 JOHNSON, B
LYNCH, RICHARD P
173 FORTUNATO, JAS M
178 DEMARCO, CHAS M
MCCORMACK, TIMOTHY & JEAN
197 EADE, ALLYN W
198 RICHARDS, DAVID L
203 BEEK, JOHN & DOROTHY
209 ANDREWS, DONALD L
218 KELLY, WM F
222 CORSON, DAVID & SANDRA
223 HUFF, HAROLD B
227 GODDARD, FRANK, JR
230 DALY, PATK J
233 GILLESPIE, KEVIN
234 MAROTTOLI, ERMINIO
236 MOORE, WM R
239 MCCORMACK, FRANK E
243 FIELDS, DONALD P
244 VOEGELIN, MAX E
251 DIVITO, JAS F
252 EBBS, LAWRENCE E
258 WILLIAMS, DAVID L
259 DISCIULLO, JOSEPH
266 DUTILLE, DAVID & ELAINE
267 PERRY EDW M, ATTY
273 BURROWS, B MC CULLY
274 KYLE, JACK & LISA
SECHER, SVEND A, JR
277 BUTTON, WESTON A
284 SMITH, C T
287 BOURQUE, A M

HAVERHILL ST 1989

83	Jeffrey Garry	944-6694	257	E M Perry Aty	942-8778	
84	Paul Manson	942-0045	273	B McCully Burrows	86 944-8999	
85	John F Herland	80 944-3894	274	Svend A Secher Jr	81 944-3311	
86	S Thomas	85 246-1063	277	Weston A Bulton	69 944-0607	
87	A * H&R Block	83 942-0084	WAKEFIELD ST			
88	A * H&R Block Inc	83 942-0084	284	Theo J Arsenault	84 944-4778	
89	* Antoine's Beauty	75 944-4999	287	J R Woolbridge	82 944-1132	
90	85 * Bildeau Assoc Inc	76 944-7711	293	* American Antiques	74 944-0483	
91	* Bildeau Assoc Inc	76 944-7711	* C W Stinson Inc			
92	86 * The Shoe Inn	87 944-1425	* C W Stinson Inc			
93	89 * Bernards Shoe	944-5795	300 * St Athanasius Prsh			
94	LINDSEY ST			* St Athanasius Prsh		
95	116 * Masonic Apts	944-9717	306 Ronald G Calhan			
96	135 * US Army Canvas Pnt	82 944-0497	311 Arthur E O'Brien			
97	136 * USPS Post Ofc	944-1363	E O'Brien			
98	* USPS Post Ofc	944-7684	317 * Civ Civil Defense			
99	SANBORN ST			320 W Thomas Olenstein		
100	174 * Global Specialties	80 944-2704	321 * A&R Cleaning Serv			
101	* Hastings-Tapley	87 944-1080	Anna Dalessandro			
102	* Hastings-Tapley Ins	87 944-3043	Anna Dalessandro			
103	* Hastings-Tapley Ins	87 944-3050	337 Cheryl Burton			
104	* SAI	80 944-2304	345 Luigi J Sablone			
105	* Scheinfein Assocs	80 944-2304	351 Gino Serrechia			
106	175 * Passport Travel	78 944-0480	Gino Serrechia Jr			
107	177 * The Tyge Works	86 944-8780	356 Charles Jensen			
108	180 * Reading Co-Op Bank	944-0193	357 Philip A Venditti			
109	* The Hitching Post	76 944-8224	364 NP			
110	* Bells Barber	80 942-1660	365 James Halligan			
111	* Bells Bty	942-1662	372 Anthony Defuria			
112	* Bells Hairpiece	942-1661	379 Maurice C Proctor			
113	ASH ST			387 Ron Boucher		
114	200 * B L Hoyt Jr Esq	87 942-0660	389 William R Grace			
115	* Dr T J Kelleher	944-5020	CHARLES ST			
116	231 * Bills Baseball	84 944-1185	392 Donald F Hall			
117	233 * Diacompos	85 944-8735	398 N T O'Entiment			
118	247 * David G Randlett	87 942-0881	409 Alfred J Georgs			
119	244 * Avellino Grml Ctct	87 944-5454	Jurgen Georgs			
120	246 Jerry Andelin	87 944-0715	419 S A Roberts			
121	243 George D Walleri	80 944-1968	420 Arthur Anderson			
122	253 Robert E Holden	57 944-0524	425 Henry E Perkins			
123	258 Thos F Okalloran	77 942-6497	432 John A Nazario			
124	259 Dennis J Musie	83 942-1039	434 David Russek			
125	260 NP		439 Sanford Marathia			
126	264 D Fuller	78 944-0290	443 B A Folger			
127	265 Gordon Packer	80 944-8780	444 E C Livingstone			
128	268 Glen Cyr	84 944-2741	453 Curt Nirsche			
129	271 Everett P Packer	84 944-1692	M B Nirsche			
130	272 J Chadbourn	87 942-1376	456 David Schorman			
131	Geo Gilfoil	87 942-1376	Ethel H Schorman			
132	774 R Austin Morley	85 944-8576	Verlon L Schorman			
133	775 Charles Bayrd	78 944-4354	494 Vittorio Ricci			
134	776 Vito P Riso	56 944-1147	535 Robert L Gibbons			
135	779 Agnes M George	65 944-1641	536 Howard B Teed			
136	787 J R Thompson	67 944-9385	541 Clayton Groves			
137	795 Frances Sullivan	87 942-1343	544 William F Buckley			
138	309 Edward Mackay	86 942-0705	CRANGER AV			
139	316 James Sharkey	64 944-2280	548 Robert A Thistle			
140	320 Julie Putson	87 942-1185	553 Patrick Procopio			
141	321 Mark J Brazell	87 944-2645	556 John P Sullivan Jr			
142	322 Daniel Kinney	87 944-2645	557 James Ritchie			
143	L Voytershark	87 944-1114	572 Bruce B Anderson			
144	324 Sally Johnston	87 944-6219	955 Albert W Malphrus			
145	326 Sherrill S Guglioli	88 942-2111	601 D MacAllister			
146	Charlene Walker	79 944-5354	615 Aubrey C Stewart			
147	328 Nan Taylor	69 944-5108	FRANKLIN ST			
148	329 Jos F Ryan	79 944-0798	621 P R Berger			
149	330 A Dornovan	84 944-8319	626 Gordon E Feener			
150	O M Nardone	86 942-1971	636 M O'Neill			
151	331 Brian R Wheaton	86 944-7447	637 NP			
152	333 James M Desjardis	86 944-3055	642 M N Tucker			
153	Constance M Low	73 944-1300	Richard W Tucker			
154	335 Ima B Boyd	80 944-4916	Robert J Tucker			
155	338 Jas F McGovern Jr	56 944-4308	643 Carl W Soble Jr			
156	337 Fred S Dymment	76 944-1433	654 Rene Fabbi			
157	339 David R Jordan	64 944-5675	656 D E MacNeil			
158	340 David T Differ	68 944-3715	BATCHELDER RD			
159	341 George E Fennelly	55 BUSINESS	667 Mark Drentmont			
160	45 RESIDENCE		668 Robyn Graziosi			
161	HAVERHILL ST 01867			673 Theo M Rigio Jr		
162	From Wakefield Line To No			673 Robert W Withrow		
163	Reading Line			Robyn Withrow		
164	E	1- 369 CT3344	88 013	675 J Power	83 944-6445	
165	D	370- 788 CT3344	88 013	676 Joseph E Callahan	56 944-5054	
166	O	371- 789 CT3343	84 A.C.13	681 B J Kallous	86 942-1658	
167	24 John D Moses	944-4418	684 Warren C McLean Jr	80 941-1658		
168	28 James J Cassidy	58 944-2584	684 Ingwilt M Johnson	58 944-2399		
169	RIVERS RD			685 James R Burns	66 944-4777	
170	34 Alexa C Hariman	62 944-0602	688 Paul J Meurer	58 944-0784		
171	40 John M Collins	85 944-5005	689 Joseph Madden	81 942-0772		
172	60 N Troy	84 944-4978	694 Pasquale Desvito	62 944-5838		
173	62 Wm Jennings Jr	79 944-8189	695 Michael Wanager	61 944-2787		
174	99 * Colbert Electrl Co	944-2382	700 Arthur V O Keele	65 944-1818		
175	James H Colbert	64 944-0349	701 E Leather	76 944-6402		
176	105 Raymond W Avery	58 944-2984	704 B Melanson	74 944-3709		
177	113 Robt Mandelste Jr	76 944-6903	709 Fred Calhoun	86 944-4781		
178	114 Tammy Doran	85 944-1467	C Christensen	86 944-4189		
179	117 Paul Deffely	87 944-2504	711 William Middleton	58 944-2715		
180	G Spataro	87 942-0094	713 John D Louanis	66 944-3796		
181	127 E Chin	83 944-7788	721 Russell Howse	84 942-1994		
182	127 Angelo C Catalano	86 944-9484	724 NP			
183	126 Michael J Murore	86 944-4378	725 Stephen Garneau	79 944-8919		
184	127 Henry Minich	72 944-4210	729 Edward J Johnson	85 944-1902		
185	133 D Truitt	83 944-4601	735 Thomas L Haverill	56 944-1927		
186	139 David M Guarino	67 944-6032	NO # * Mass Justice Cnel	85 942-1194		
187	147 F K Lafauri	85 944-2676	NO # * Mass Military Div	82 944-8114		
188	153 R A DeLuca	82 944-0821	NO # Judy Stranberg	79 944-2905		
189	169 NP		NO # 138 RESIDENCE	11 BUSINESS		
190	172 B Johnson	80 944-4080	HAYSTACK RD 01867			
191	Richard P Lynch	66 944-4576	1- 99 CT3341			
192	James M Fortunato	66 944-2819	80 944-1468			
193	178 Charles M Genemarco	83 942-1433	16 Scott Wade			
194	197 Alyse W Eade	59 944-3938	17 Chester A Thomas			
195	TIMBERNICK DR			W Thomas		
196	158 David L Richards	67 944-5899	20 Carmen Cuntolo			
197	203 Rebecca C Bergeron	77 942-0467	28 Charles Boudouis			
198	209 Donald L Andrews	66 944-5576	31 NP			
199	217 NP		39 A B Steed			
200	218 William F Kelly	60 944-9017	44 Gerald Auberte			
201	222 Michael T Sullivan	68 944-1222	45 F B Stumcke Jr			
202	223 Harold B Hull	68 944-6254	K C Stumcke			
203	227 Frank Goddard Jr	59 944-4982	46 NP			
204	230 Patrick J Daly	78 944-7015	45 Richard C Woods			
205	233 Kevin Gillespie	78 944-0462	55 David Larvalho			
206	234 Erminio Marottoli	67 944-5972	Dwaine M Carvalha			
207	236 William R Moore	68 944-0532	67 Gerald R Zuccala			
208	237 Frank E McLormack	72 944-0825	69 Walter Leonard			
209	243 Donald P Fields	80 944-3786	77 John C Carleen			
210	244 Max E Voegelin	62 944-4508	80 Daniel F Bonstein			
211	251 James F Davito	76 944-5898	85 * RLA Snow Plowing			
212	252 Paul MacCausland	85 942-0982	Kenneth Stranberg			
213	258 David L Williams	66 944-5009	90 Joe Bates			
214	259 Joseph DiCicco	71 654-5515				
215	266 Lawrence A Burbank	85 944-1972				

HAVERHILL ST 1984

PAGE 160		COLE ST/PSF		1984 BOSTON			
348	N J DiGiovanni	79	664-3551	535	Laurence V O'Neill	75	944-1989
349	Allen W Hanson	83	664-5109	537	NP		
	Douglas D Hanson	81	664-5513	542	M N Tucker		942-1192
350	Ronald L Buller	62	664-4243		Richard W Tucker	75	944-8596
351	Edward S Black	61	664-2045	543	Carl W Soule Jr	65	944-5589
352	James H Moore	66	664-3548	554	Kenneth G Messina	81	944-8647
No #	James Demetri	77	664-2161	556	D E MacNeil	57	944-0145
No #	J L Eisenhaure	76	664-3364	BATCHELDER RD			
No #	M J Eisenhaure	78	664-5418	667	Charles S Longley	68	944-2507
No #	S W Eisenhaure	78	664-4704	668	Theodore Negro		944-8900
No #	First Bapt Church		664-2416		T M Negro Jr	79	944-2613
No #	N Ring Tn of C Age		664-5600		M Negro Jr	78	944-5729
No #	N Ring Tn of Schl		664-2331	573	Robert W Whitrow	78	944-3381
No #	N Ring Tn of Schl		664-6221		Robin Whitrow	79	944-3799
No #	Tawyna W Speers	79	664-2876	575	J Power		944-8445
	185 Residence	22	Business	576	Joseph E Callahan	56	944-5054
				581	James H Blomley Jr	78	944-0987
HAVERHILL ST					Lille Daniel	58	944-2399
From Wakefield				READING			
Line To No Reading				Line			
024250				01867			
24	Fredrick Bage	74	344-4510	685	James R Burns	66	944-4221
28	James J Cassidy	68	944-2584	588	Paul J Meurer	59	944-0164
RIVERS RD				689	Joseph Madden	81	942-0770
34	Alex C Hartman	62	944-6602	694	Paquale Desio	62	944-5538
46	John A Jandry	79	944-2595	695	Michael Mangogel	61	944-2267
60	Paul Murphy	62	944-4574	700	Arthur V O'Keefe	65	944-2816
62	W Jennings Jr	79	945-8189	701	E Leather	75	944-6420
99	Colbert Elect Co		944-2382	704	B Melanson	74	944-3199
	James H Colbert	64	944-0349	709	Edward Corbett Jr	80	944-8210
105	Raymond W Avery	58	944-3994	711	William Madelon	58	944-2714
113	R Manabrese Jr	76	944-6985	717	John D Louinis	65	944-3356
114	Del Doran	53	944-1467	721	Robert E Turner	75	944-1085
	J Thomas Doran	58	944-1467	724	Joseph A Benedetto	77	944-3498
121	E Chin		944-7188	725	Stephen Gambeau	79	944-6979
122	Virginia Cataldo	81	944-8494	729	Edward J Johnson	56	944-2927
127	Henry Meich	72	944-4210	735	Thomas L Haverly	74	944-8127
133	D Tuitt		944-4601	No #	Mass C of Nat Gd		944-4121
139	David M Guarino	57	944-6032	No #	Judy Stranberg	79	944-8905
140	Victor A Forand	77	944-4451		133 Residence		B Business
153	R A DeLuca	32	944-6921	HAWES AVE			
159	James Riott	71	944-1882	From 46 Boardman			
172	B Johnson	80	944-4040	Ave Stops Heywood			
	Richard P Lynch	66	944-8576	Avenue			
173	James M Fortunato	66	944-2819			99 TZ3362	02176
178	Charles M Dermanco		942-1433	024260			SA..
197	Allyn W Eade	59	944-3938	3	John Parziale	77	662-6532
TIMBERECK DR				7	L Scollard Jr	79	665-2813
188	David L Richards	67	944-5889	9	James M Delani		665-6918
203	Rebecca C Bergeron	77	942-0487		N A Delani		665-6918
209	Donald L Andrews	66	944-5576	11			NP
217	James Vassili	67	944-3430	FORST AVE			
218	William F Kelly	60	944-5017	15	R A MacMillan Jr	63	662-8932
222	Michael T Gulvan	68	944-1222	24	Thomas B Ward	79	665-5670
223	Harold B Hull	68	944-6254	30	James R Harrington	66	665-9579
327	Frank Goddard Jr	59	944-4562	63	R L White	63	665-5429
230	Patrick J Daly	78	944-7015	66	Mrs F D Lavine	63	665-8010
233	Kevin Gillespie	78	944-0482	74	Dana S Putney	76	665-5923
234	Ermino Marotoli	62	944-5212	75			NP
236	William R Moore	68	944-0532	12	Residence		
239	Frank E McCormack	72	944-0825	HAWES AVE			
243	Donald P Fields	60	944-3766	From Boardman			
244	Max E Voegelin	62	944-4508	Avenue Stops			
251	James F Dello	76	944-5895	Heywood Avenue			
252						82	99 TZ3354
258	David L Williams	66	944-5009	024270			SB..
259	Joseph Discollo	71	694-6515	83	Leo H Green	68	246-0273
266	Lawrence A Burbank	69	944-1972	87	Louis Deleo	63	245-1356
273	Robert M Burrows	76	944-8959	2	Residence		
	L Dupaul		944-8928	HAWES ST			
274	Svend A Secher Jr	81	944-3376	Begins 331 Revere			
277	Weston A Burton	69	944-0637	St To 21 Atwood			
WAKEFIELD ST				Street			
284	T J Arsenault	64	944-4278			99 TZ1704	02151
287	J R Rocciopoggi	62	944-1132	024280			SE..
293	American Antiques		944-6468	4	P E Bolton	81	289-5352
	Stinson Carl W Inc		944-6488		Andres Campo		286-1183
	Stinson Carl W Inc		944-6490		S H Covitz		289-6809
300	Robert J Butler	71	942-8298		Louis Desantis	74	284-8853
	St Athanasius Prsh		944-6330		S Fiore	81	289-2057
306	Ronald G Canon	82	944-0400		Carl A Marino	76	284-8531
311	Community Marketing		944-4993		Guillermo Miodi	77	284-0297
	Arthur E O'Brien	65	944-6745		Howard Rotblatt		289-2190
320	W Thomas Christen	79	944-1885		P L Slack	82	289-9459
321	A D D'Alessandro	56	944-2684		Nick Torra	74	289-7432
337	Richard Jacobs		942-1344		Nick Torra	74	387-3932
345	Luigi J Sablone	62	944-2218	16	Anthony Salerno	63	289-3934
351	Gino Serrechia	77	944-5748	19	Angelo Martocchio		294-5294
	Gino Serrechia Jr	77	944-6700	21	R J Martocchio	63	289-6819
356	Charles Jensen	87	944-5955	24	Francis Corrae	63	284-8123
357	Philip A Venditto	57	944-5942	32	Pat A Carrone	63	284-6638
364					R E Cerrone	82	289-3156
365	James Haligan	81	944-2859	33			NP
	Harry C Woods	80	944-0905	35	A Gianfrasca	72	284-2536
372	Anthony DeJura	59	944-2111		M Giamasca	61	289-9725
379	Maurice C Proctor	62	944-3744	42	C Palladino	77	289-8139
387	James R Boucher	64	944-2481	50	Donald F Crowley	63	289-3743
389	William R Grace	64	944-9353	58	Edward M Demaso	63	284-2961
CHARLES ST				24	Residence		
392	Donald E Hall	87	944-1712	HAWK RD			
398	N T D'Entremont	65	944-6363	WOBURN			
409	Mrs N Manglesi	82	944-4295	01801			
419	S A Roberts	77	944-3635	1- 6 TZ3334			
425	Henry E Perkins	74	944-4132	SB..			
432	Diane L Enos	82	942-0915	024290			
	Mark K Nichols	74	944-2998	3	David MacKerle	76	933-4943
434	Alan D Turnbull	66	944-3933	5	Robert Robinson	62	939-5269
439	Sanford Malathia	80	944-1781	6	Gary Nickerson	76	935-0511
443	B A Folger	56	944-5211	3	Residence		
444	E C Livingstone	80	944-1960	HAWLEY RD			
453	Curt Nitzsche	68	944-3669	Begins Hawes			
454	M B Nitzsche	78	944-3063	Avenue Stops At			
456	David Schurman	56	944-0304	Main Street			
	Vernon L Schurman	56	944-0304				02176
535	Robert L Gibbons	71	944-6778	024300			
	M Small	81	944-2420	19	James M Phillips	63	665-4034
536	L A Kennedy	82	944-2452	19	Irvig E Flanagan	63	665-4069
541	Clayton Groves	58	944-4387	27	Gerard J O'Neill	70	665-9079
544	William F Buckley	56	944-3283	31	Bert Whittier		665-3135
GRANGER AV					Elmer S Whittier	63	665-2262
548	Robert A Thistle	56	944-8150	44	Mrs T Kirby	63	665-9404
553	Raines Propogo	58	944-3478	49	William J Haley	73	665-9116
556	John P Sullivan Jr	75	944-6413	54	Stephen White	79	665-8338
557	James Ritzner	69	944-2110	55	Harold K Ferguson	63	665-0429
572	S R Carroll	62	944-2952	59	E L Hamington	71	662-7362
	S R Carroll	62	944-2952	60	Edward R Egan Jr	63	665-8065
595	Albert W Maghinis	58	944-2424	63	Philip Canavia	63	665-6701
601	D MacLellan	78	942-0161	64	Robert Toomey	65	665-4339
FRANKLIN ST				68	Max Geller	63	665-0195
621	John P Carbone	79	944-2558				
626	Gordon E Feiner	56	944-5548				

ALL NOT BE KEPT RECORDED CONTINUED ON FOLLOWING PAGE IN ANY MANNER WHATSOEVER EXCEPT BY THE CITY OF BOSTON. Street Business Living 77. Trading Zone

HAVERHILL ST 1975

HAVERHILL ST		MELROSE	
287	WARREN R P DEARCE JR	439	ANSON L STRONG
289	HARRY E MACALPINE	443	B A FOLGER
290	WM R MCNAMEN	444	WILFRED CROCKER
291	HOWARD S HUGHES	453	CURT E NITZSCHE
293	ROBERT FRECCERO	456	VERNON L SCHURMAN
294	ELMER L KENNEY	535	ROBERT L GIBBONS I
296	ROBERT W JANSKI	536	NORMAN B SMALL JR
300	ROY T BISHOP	541	CLAYTON D GROVES I
301	PHILIP J THERRIEN	544	WILLIAM F BUCKLEY
308	L DONALD WELCH	548	ROBERT A THISTLE
309		**	GRANGER AV
310	ROBT J MILLER JR	**	PATRICK PROCCPIO
313	PATRICIA DEMETRI	556	HERBERT C TOWLE
315	CHARLES DEMETRI	557	JAMES RITCHE
318	ROBERT PARKER	572	S R CARROLL
321	WILLIAM BELLAVANCE		S R QUERLO
324	HOWARD R CAIRNS	595	ALBERT W WALPHRUS
328	MICHAEL BROWN	601	F M MCDERMOTT
329	HOWARD M ASH	609	
330	ANTONIO BUSQUETS	621	FRANKLIN ST
332	DANIEL AMIRALTI	**	GORDON E FENER
333	S DOUGLAS DISPOS	626	ALBERT C THOMAS
334	FRANK P BUONOPANE	636	MARY A ONEIL
335	JOHN V SPENCER JR	637	GROTHY T FONSECA
337	JOHN T AMANN	642	M F PIERCE JR
338	C NEILEY JR	643	CARL W SOULE JR
339	JAMES J THIRKELL	654	LED W PORTER
340	RICHARD P MCGOWAN	656	D E MACNEIL
341	DONALD C MCGONAGLE	659	
344	ALBERT CARBONE	667	CHARLES S LONGLEY
349	ALLEN W HANSON	**	BATCHELDER RD
350	RONALD L BUTLER	668	NILS L NORDBERG
351	EARLAND S BLACK	673	ROBERT W WITHRM
352	JAMES H MOORE	675	JOHN J BURTON
NO #	JAMES DEMETRI	676	JOSEPH E CALLAHAN
NO #	DLGA DEMETRI	681	RICHD J GRAHAM JR
NO #	FIRST BAPTST CHRCH	684	LILLIE DANIEL
NO #	NO READING CNCL AGE	685	JAMES R BURNS
NO #	T HOOD SCH	688	PAUL J MEURER
NO #	J T HOOD SCH PSYCH	689	FRANCIS W WELCCHE
NO #	REV W D SNYDER	694	PASQUALE DESISTO
174	RESIDENCE	695	MICHAEL WANAGEL
		700	ARTHUR V KEEFE
		701	
		704	JOHN A MELANSON
		709	DONALD W HATCH
		711	WILLIAM MIDDLETON
		717	JOHN D LOUJANIS
		721	K C PEZZOLO
		724	LEON A DIAMCNT
		725	ARTHUR C GARD
		729	EDWARD J JOHNSON
		735	THOMAS L HAVERTY
		745	
		NO #	READING TREEMCTH
		**	N READING LINE
		**	OFF HAVERHILL ST
		129	RESIDENCE
			10 BUSINESS
HAVERHILL ST READING		HAWES AVE MELROSE	
STARTS WAKEFIELD LINE		STARTS 46 BOARDMAN AV	
24	FREDERICK BAGE	3	HAROLD J SIMPSON
24	JAMES J CASSIDY	7	LAWR SCOFIELD JR
24	ALEX C HARTMAN	9	JAMES M DELANI
**	RIVERS RD	N	A DELANI
60	EDWIN BELZER	14	RALPH L ARMINGTON
99	COLBERT ELECTRICAL	15	R A MACMILLAN JR
**	JAMES COLBERT ELEC	**	FORST AVE
105	RAYMOND W AVERY	18	
113	R LAWRY	24	CLIFFORD E KANE
114	DEL DORAN	30	JAMES R HARRINGTON
121		65	R L WHITE
122		66	MRS F D LEVINE
126	HIGGINS ASSOC	75	FERRY LOTH
127	RICH HIGGINS	83	
127	HENRY MINICH	**	ENDS HEYWOOD AV
133	JAY D KNIFE	13	RESIDENCE
139	DAVID M GUARINO	HAWES AVE WAKEFLD	
140	JOSEPH G SURETTE	STARTS BOARDMAN AV	
144		83	LED H GREEN
147	J J CARLSON	87	LOUIS DEFEO
153	MRS ROBT STEBBINS	**	ENDS HEYWOOD AVE
159	JOHN F BROWNE	2	RESIDENCE
169	JAMES RICH	HAWES AVE EXT MELROSE	
172	RICHARD P LYNCH	STARTS HEYWOOD AV	
173	JAMES M FORTUNATO	**	DEAD END
178		**	NO LISTINGS
197	ALLYN W EADE	HAWES ST REVERE	
19A	DAVID L RICHARDS	STARTS 331 REVERE ST	
**	TIMBERNECK DR	4	JAMES M CONROY JR
203	PETER FINNEGAN	10	LOUIS DESANTIS
209	DONALD L ANDREWS	B	M GIPSON
217	JAMES VASSILL	NICK	TORRA
218	WILLIAM F KELLY	JOSEPHINE	W VITALE
222	MICHAEL T SULLIVAN	16	DANIEL R SALERNO
223	HAROLD B HUFF	19	ANGLO MARTCCCHIO
227	WESTON A BUTTON	24	FRANCES CORRAC
230	FRANK GODDARD JR	27	
230	WM J TREACY JR	32	PAT A CERRONE
233	JAMES J GILDEA	35	JOSEPH WEINBERG
234	ERMINIO MARDOTOLI	36	C A GIANNASCA
236	WILLIAM R MOORE	ROBERT	GIANNASCA
239	FRANK E MCCORMACK	ROSE	GIANNASCA
243	DONALD P FIELDS	45	
244	MAX E VOEGELIN	50	DONALD F CROWLEY
251		58	EDWARD M DEWASG
252	G MACCAUSLAND	**	ENDS 21 ATWOOD ST
258	DAVID L WILLIAMS	**	19 RESIDENCE
259	JOSEPH DISCULLO	HAWLEY RD MELROSE	
266	LAWRENCE A BURBANK	STARTS HAWES AV	
267		15	JAMES W PHILLIPS
273	E M SLETTERINK	19	IRVING E FLANAGAN
274	ARTHUR A PIERRO	21	
284	THEO J ARSENAULT	27	GERARD J ONEIL
**	WAKEFIELD ST	31	ELMER S WHITTIER
287	ROBERT T FOLEY	44	MRS T KIRBY
293	AMERICAN ANTIQUES	47	
**	CARL W STINSON	49	WILLIAM J HALEY
300	ROBERT J BUTLER	54	RICHARD W RAPP
**	ST ATHANASIOUS PRSH	55	HAROLD K FERGUSON
**	ST ATHANASIOUS RCTY	59	ED W L HARRINGTON
311	ARTHUR E DERIEN	60	EDWARD H EGAN JR
320		63	PHILLIP CANATA
321	MRS A DALESSANDRO	64	ROBERT TOOMEY
327	F KENNETH HEWITT		
345	LUIGI J SABLONE		
351	GINO SERRECCIA		
356	CHARLES JENSEN		
357	PHILIP A VENDITTI		
364	ANGLO GIARANI		
365	STANLEY F MAXWELL		
372	ANTHONY DEFURIA		
379	MAURICE C PROCTOR		
385			
387	JAMES R BOUCHER		
389	WILLIAM R GRACE		
392	DONALD F HALL		
**	CHARLES ST		
398	ROGER J DENTREMONT		
409	MRS N MANGIFESTI		
419	ROY C HILL JR		
425	HENRY E PERKINS		
432	R E HICKS FLORIST		
**	H E HICKS GDN CTR		
**	MARK K NICHOLS		
434	ALAN O TURNBULL		

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HAVERHILL ST 1971

HAVERHILL ST		READING
344 ALBERT CARBONE	8	6642140
349 ALLEN W HANSON	8	6645109
350 RONALD L BUTLER	8	6644243
351 EARLAND S BLACK	8	6642045
352 JAMES H MOORE	8	6643546
NO # MRS H B CRONJE	8	6648530
NO # J G EISENHAURE	8	6643472
NO # J L EISENHAURE	8	6643364
NO # R W EISENHAURE	8	6643503
NO # S W EISENHAURE	8	6644704
NO # FAS CONSTR CO		9449411
NO # HILL TOP KINDRGRN		6644532
NO # J T MOOD SCHOOL		6642131
NO # N READG MASNC TML		6648542
160 RESIDENCE 18 BUSINESS		
HAVERHILL ST		
STARTS WAKEFIELD LINE		
.....	1- END T 3344	01867
..	BAY STATE RD	..
24	N.T.I.A.	..
28	JAMES J CASSIDY	9442584
34	ALEX C HARTMAN	3 9440602
..	RIVERS RD	..
60	EDWIN BELZER	9442241
99*	JAMES COLBERT ELEC	9442382
	*COLBERT ELECTRICAL	9442382
	JAMES H COLBERT	9440349
105	RAYMOND W AVERY	4 9443994
113	CHARLES BATTY	9440976
114	DEL DORAN	9441467
	J THOMAS DORAN	9441467
121	N.T.I.A.	..
122	ROSARIO VALIDO	9442114
126	ALBERT H ROBINSON	7 9440868
127	HAROLD W FLIGHT	9445513
133	ZEBEDEE FLIGHT	9443429
139	DAVID M GUARINO	7 9446032
144	HAROLD I PITMAN	9441657
147	N.T.I.A.	..
153	REV JAMES ECKELS	8 9445831
169	N.T.I.A.	..
172	RICHARD P LYNCH	6 9446576
173	JAMES M FORTUNATO	9442819
178	ARNOLD C HULT	6 9446088
197	ALLYN W EADE	9443938
198	DAVID L RICHARDS	7 9445899
..	TIMBERNECK DR	..
203	RUTH MONAHAN	9447836
	D PETER FINNEGAN	-9447849
209	DONALD L ANDREWS	6 9445576
217	JAMES VASSILL	7 9443430
218	WILLIAM F KELLY	9449017
222	MICHAEL T SULLIVAN	8 9441222
223	HAROLD B HUFF	5 9446254
227	FRANK GODDARD JR	9444962
	WESTON A BUTON	9440637
230	WM J TREACY JR	4 9440288
233	JAMES J GILDEA	7 9445234
234	ERMINIO MAROTTOLI	3 9445972
236	WILLIAM R MOORE	3 9440532
239	ASA J LINDLEY	6 9444749
243	DONALD P FIELDS	9443766
244	MAX E VOEGELIN	3 9444508
251	N.T.I.A.	..
252	N.T.I.A.	..
258	DAVID L WILLIAMS	6 9445009
259	JOSEPH DISCIULLO	9445328
266	LAWRENCE A BURBANK	9441972
267	V G MCKEEHAN	9444546
273	N.T.I.A.	..
274	ARTHUR A PIERRO	4 9445331
284	THEO J ARSENAULT	4 9444278
..	WAKEFIELD ST	..
287	ROBERT T FOLEY	9440864
293	DAVID M DEBARGER	7 9443186
	CARL W STINSON	4 9446488
300*	ST ATHANASIOUS RCTY	9440330
311	ARTHUR E DBRIEN	5 9446745
320	S S ZAGORSKI SR	7 9444137
321	MRS A DALESSANDRO	9443684
337	LOUIS G KOONTZ	8 9446591
345	LUIGI J SABLONE	9442218
351	GIND SERRECCHIA	9445748
356	CHARLES JENSEN	9445955
357	PHILIP A VENDITTI	9445942
364	ANGELO CHIARAMIDA	9442520
365	STANLEY F MAXWELL	4 9443378
	MRS DONALD E RUSS	9449080
372	ANTHONY DEFURIA	9442111
379	MAURICE C PROCTOR	3 9443744
385	EUGENE S BLANCHARD	4 9443308
	JAMES R BOUCHER	9442481
389	WILLIAM R GRACE	4 9449353
392	DONALD F MALL	9441712
..	CHARLES ST	..
398	ROGER J DENTREMENT	5 9446363
409	MRS N MANGIFESTI	3 9444285
419	HOLMAN YOUNG	7 9442134
425	WM D MATHIESON	9440715
432*	ROBERT E HICKS	-9440457
434	ALAN D TURNBULL	9449593
439	ANSON L STRONG	7 9444147
443	BARBARA A FOLGER	9445211
444	WILFRED CROCKER	9442562
453	CURT E NITZSCHE	9449063
456	VERNON L SCHURMAN	9440304
535	STANLEY C HENSHAW	8 9445354
536*	BURNSLETOWNE INC	9441851
	LOUISE M MORAND	7 9443750
	NORMAN B SMALL JR	9442420
541	ROBERT D GROVES	8 9444387
544	WILLIAM F BUCKLEY	9443283
548	ROBERT A THISTLE	9449150
..	GRANGER AV	..
553	PATRICK PROCOPIO	9443478
556	HERBERT C TOWLE	9445668
557	JAMES RITCHIE	-9442110
572	SHIRLEY R CARROLL	9442952
	SHIRLEY C QUERLO	3 9442952
595	ALBERT W MALPHRUS	9442424
601	F M McDERMOTT	6 9446017
609	N.T.I.A.	..
621	N.T.I.A.	..
..	FRANKLIN ST	..
626	GORDON E FEENER	9445588
629	ALBERT C THOMAS	7 9442959
636	LAURENCE V ONEILL	9441989
637	DOROTHY T FONSECA	6 9445324
642	JAS J FITZPATRICK	4 9445322
643	CARL W SOULE JR	5 9449589
654	LEO W PORTER	9443816
656	D E MACNEIL	9440145
659	N.T.I.A.	..
667	CHARLES S LONGLEY	8 9442507
..	BATCHELDER RD	..
668	NILS L NORDBERG	5 9440117
673	ROBERT W WITHROW	9443381
675	JOHN J BURT	9440438
676	JOSEPH E CALLAHAN	9445054
681	JAMES H BLOMLEY JR	6 9440987
684	LILLIE DANIEL	8 9442399
	INGWELL M JOHNSON	9442399
685	JAMES R BURNS	6 9444221
688	PAUL J MEURER	9440164
689	FRANCIS W WELCOME	9442293
694	PASQUALE DESISTO	3 9445638
695	MICHAEL WANAGEL	9442267
700	ARTHUR V DKEEFE	6 9442816
701	N.T.I.A.	..
704	REV B W KATHAN	5 9449351
709	WILLIAM LANDRIGAN	9442896
711	WILLIAM MIDDLETON	9442715
717	JOHN D LOUANIS	9443356
721	EDWARD A PEZZOLE	3 9443295
724	LEON A DIAMONT	9445574
725	ARTHUR C GARD	9442216
729	EDWARD J JOHNSON	9442627
735	GEORGE S WOLFE	3 9445065
745	N.T.I.A.	..
NO #	READING TREEMOTH	9441759
..	NO READING LINE	..
..	OFF HAVERHILL ST	..
128 RESIDENCE 6 BUSINESS		
HAWES AVE MELROSE		
STARTS 46 BOARDMAN AV		
.....	1- END T 3362	02176
3	HAROLD J SIMPSON	6657413
7	EDWARD G MATHY	6654482
9	JAMES M DELANT	6656916
14	RALPH L ARKINGTON	4 6656238
15	R A MACMILLAN JR	6628932
..	FORSY AVE	..
18	JOHN H VERONELLI	8 6626732
24	CLIFFORD E KANE	3 6628843
30	JAMES R HARRINGTON	6 6659579
	R L WHITE	6659249
66	MRS F D LEVINE	6658010
74	DANA S PUTNEY	6659523
75	RUTH M MURRAY	7 6651217
83	N.T.I.A.	..
..	ENDS HEYWOOD AV	..
13 RESIDENCE		
HAWES AVE WAKEFLD		
STARTS BOARDMAN AV		
.....	1- END T 3362	01880
83	LEO H GREEN	-2460273
87	LOUIS DEFED	7 2451356
..	ENDS HEYWOOD AVE	..
2 RESIDENCE		
HAWES AVE EXT MELROSE		
STARTS HEYWOOD AV		
.....	1- END T 3362	02176
..	NO LISTINGS	..
..	DEAD END	..

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HAVERHILL ST 1968

COLL	STREET	NO	PAGE	NO
331	338 G C NEILEY JR	7 6645092		*C H ANDERSON FLRST 9440243
197	339 PAUL S DAMIGELLA	#6642816		*ANDERSONS FLOW SHP 9440243
203	340 RICHARD P MCGOWAN	#6642959		434 ALAN O TURNBULL 9449593
169	341 DONALD C MCGONAGLE	#6642298		439 ANSON L STRONG 7 9444147
169	349 ALLEN W HANSON	#6645109		443 BARBARA A FOLGER 9445211
168	350 RONALD L BUTLER	#6644243		444 WILFRED CROCKER 9442562
86	351 EARLAND S BLACK	#6642045		453 CURT E NITZSCHE 9449063
34	352 JAMES H MOORE	#6643546		456 VERNON L SCHURMAN 9440304
05	NO # MRS H B CRONJE	#6648530		535 STANLEY C HENSHAW -9445354
01	NO # J G EISENHAURE	#6643472		536 LOUISE M MORAND 7 9443750
39	NO # J L EISENHAURE	#6643364		NORMAN B SMALL JR 9442420
66	NO # R W EISENHAURE	#6643503		*BURNS&TOWNE INC 9441851
13	NO # S W EISENHAURE	#6644704		541 ROBERT D GROVES -9444387
63	NO #*FAS CONSTR CO	9449411		544 WILLIAM F BUCKLEY 9443283
44	NO #*HILL TOP KINDRGRTN	#6644532		548 ROBERT A THISTLE 9449150
79	NO #*J T HOOD SCHOOL	#6642131		.. GRANGER AV ..
70	NO #*N READG MASNC TEMPL	#6648542		556 HERBERT C TOWLE 9445668
44	157 RESIDENCE 17 BUSINESS			557 PATRICK PROCOPIO 9443478
12	HAVERHILL ST	READING		572 SHIRLEY C QUEROL03 9442952
68	STARTS			SHIRLEY R CARROLL 9442952
65	WAKEFIELD LINE			595 ALBERT W MALPHRUS 9442424
84 1- END T 3344 \$A..E B	01867		601 F M MCDERMOTT 6 9446017
02	.. BAY STATE RD			609 .. N.T.I.A.
95	24 .. N.T.I.A.			621 WILLIAM D CROWELL 9444992
89	28 JAMES J CASSIDY	9442584		*WM D CROWELL INS 9442053
66	34 ALEX C HARTMAN	3 9440602		.. FRANKLIN ST ..
05	.. RIVERS RD			626 GORDON E FEENER 9445588
94	60 EDWIN BELZER	9442241		629 ALBERT C THOMAS 7 9442959
44	99*COLBERT ELECTRICAL	9442382		636 LAURENCE V ONEILL 9441989
37	*J COLBERT ELECTRN	9442382		637 DOROTHY T FONSECA6 9445324
63	JAMES H COLBERT	9440349		642 JAS J FITZPATRICK4 9445322
41	105 RAYMOND W AVERY	4 9443994		643 CARL W SOULE JR 5 9449589
37	113 CHARLES BATTY	9440976		654 LEO W PORTER 9443816
13	114 DEL DORAN	9441467		656 D E MACNEIL 9440145
83	121 .. N.T.I.A.			659 FRANCIS E VIDITO #9443094
18	122 ROSARIO VALIDO	9442114		667 CHARLES S LONGLEY #9442507
89	126 ALBERT ROBINSON	7 9440868		.. BATCHELDER RD ..
56	127 HAROLD W FLIGHT	9445513		668 NILS L NORDBERG 5 9440117
41	133 ZEBEDEE FLIGHT	9443429		673 ROBERT W WITHROW 9443381
75	139 DAVID M GUARINO	7 9446032		675 JOHN J BURT 9440438
82	144 HAROLD I PITMAN	9441657		676 JOSEPH E CALLAHAN 9445054
00	147 .. N.T.I.A.			681 JAMES H BLOMLEY JR 6 9440987
69	153 REV JAMES ECKELS	#9445831		684 LILLIE DANIEL #9442399
24	172 RICHARD P LYNCH	6 9446576		INGWELL M JOHNSON 9442399
64	173 JAMES M FORTUNATO	9442819		685 JAMES R BURNS 6 9444221
37	178 ARNOLD C HULT	6 9446088		688 PAUL J MEURER 9440164
63	197 ALLYN W EADE	9443938		689 FRANCIS W WELCOME 9442293
14	198 DAVID L RICHARDS	7 9445899		694 PASQUALE DESISTO 3 9445638
37	.. TIMBERNECK DR			695 MICHAEL WANAGEL 9442267
57	203 LAW R JOHNSON	9445957		700 ARTHUR V OKEEFE 6 9442816
75	209 DONALD L ANDREWS	6 9445576		701 .. N.T.I.A.
23	217 JAMES VASSILL	7 9443430		704 REV B W KATHAN 5 9449351
80	222 MICHAEL T SULLIVAN	#9441222		709 WILLIAM LANDRIGAN 9442896
74	223 HAROLD B HUFF	5 9446254		711 WILLIAM MIDDLETON 9442715
79	227 FRANK GODDARD JR	9444962		717 JOHN D LOUANIS 9443356
36	230 WILLIAM J TREACY	4 9445234		721 EDWARD A PEZZOLE 3 9443295
09	233 JAMES J GILDEA	7 9445972		724 LEON A DIAMONT 9445574
26	234 ERMINIO MAROTTOL13	9440532		725 ARTHUR C GARD 9442216
97	236 WILLIAM R MOORE	3 9444749		729 EDWARD J JOHNSON 9442627
39	239 ASA J LINDLEY	6 9443766		735 GEORGE S WOLFE 3 9445065
36	243 DONALD P FIELDS	9443766		745 .. N.T.I.A.
30	244 MAX E VOEGELIN	3 9444508		NO #*READING TREE&MOTH 9441759
31	251 .. N.T.I.A.			.. NO READING LINE ..
36	252 .. N.T.I.A.			.. OFF HAVERHILL ST ..
20	258 DAVID L WILLIAMS	6 9445009		128 RESIDENCE 8 BUSINESS
35	259 JOSEPH DISCIULLO	9445328		HAWES AVE MELROSE
21	266 G J GIANGRASSO	9446249		STARTS 46
10	267 V G MCKEEHAN	9444546		BOARDMAN AV
14	273 .. N.T.I.A.		 02176
9	274 ARTHUR A PIERRO	4 9445331		1- END T 3362 \$A..I 9
35	277 WESTON A BUTTON	9440637		3 HAROLD J SIMPSON 6657413
20	284 THEO J ARSENAULT	4 9444278		7 EDWARD G MATHEY 6654482
6	.. WAKEFIELD ST			9 ROBERT M COLBERT 6651109
14	287 ROBERT T FOLEY	9440864		14 RALPH L ARMINGTON4 6656238
12	293 CARL W STINSON	4 9446488		15 R A MACMILLAN JR 6628932
7	DAVID M DEBARGER	7 9443186		.. FORST AVE ..
02	300*ST ATHANASIOUS RCTY	9440330		18 JOHN H VERONELLI #6626732
17	311 ARTHUR E OBRIEN	5 9446745		24 CLIFFORD E KANE 3 6628843
8	320 S S ZAGORSKI SR	7 9444137		30 JAMES R HARRINGTON 6 6659579
2	321 MRS A DALESSANDRO	9443684		65 R L WHITE 6659249
4	HARRY S PRESTI	-9442749		66 MRS F D LEVINE 6658010
7	337 LOUIS G KOONTZ	#9446591		74 DANA S PUTNEY 6655923
4	345 LUIGI J SABLONE	9442218		75 RUTH M MURRAY 7 6651217
6	351 GINO SERRECCHIA	9445748		83 A S BLAKEY 7 6650651
2	356 CHARLES JENSEN	9445955		.. ENDS HEYWOOD AV ..
8	357 PHILIP A VENDITTI	9445942		13 RESIDENCE
2	364 ANGELO CHIARAMIDA	9442520		HAWES AVE WAKEFLD
8	365 MRS DONALD E RUSS	9449080		STARTS
7	STANLEY F MAXWELL4	9443378		BOARDMAN AV
9	372 ANTHONY DEFURIA	9442111	 01880
3	379 MAURICE C PROCTOR3	9443744		87 LOUIS DEFE0 7 2451356
6	385 EUGENE BLANCHARD	4 9443308		.. ENDS HEYWOOD AVE ..
6	387 JAMES R BOUCHER	9442481		1 RESIDENCE
6	389 WILLIAM R GRACE	4 9449353		HAWES AVE EXT MELROSE
3	392 DONALD F HALL	9441712		STARTS HEYWOOD AV
3	.. CHARLES ST		 02176
4	398 ROGER J DENTREMONT	5 9446363		NO LISTINGS
9	409 MRS N MANGIFESTI	3 9444285		.. DEAD END ..
5	419 HOLMAN YOUNG	7 9442134		
5	425 WM D MATHIESON	9440715		
0	432 JAMES J OLEARY	4 9446019		

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ATTACHMENT B
MUNICIPAL RECORDS



The Commonwealth of Massachusetts

Department of Public Safety

BOARD OF FIRE PREVENTION REGULATIONS 527 CMR 12:00

FOR OFFICE USE ONLY

Permit No. _____

Occupancy & Fee Checked _____

(leave blank)

APPLICATION FOR PERMIT TO PERFORM ELECTRICAL WORK

All work will be performed in accordance with the Massachusetts General Code, 527 CMR 12:00

PLEASE PRINT IN INK OR TYPE ALL INFORMATION)

Date 6/2/00

City or Town of READING

To the Inspector of Wires:

The undersigned applies for a permit to perform the electrical work described below:

Location (Street and Number) 59 SYMONDS WAY 601124

Owner or Tenant TOWN OF READING

Owner's Address _____

Is this permit in conjunction with a building permit? Yes No (Check Appropriate Box)

Purpose of Building _____ Utility Authorization No. 78892363

Existing Service _____ Amps _____ Volts Overhead Underground No. of Meters _____

New Service 100 Amps 240 Volts Overhead Underground No. of Meters 1

Number of Feeders and Ampacity _____

Location and Nature of Proposed Electrical Work 100 AMP SERVICE
WIRE FOR LAWN SPRINKLERS

No. of Lighting Outlets	No. of Hot Tubs	No. of Transformers	Total KVA
No. of Lighting Fixtures	Swimming Pool Above grnd. <input type="checkbox"/> In-grnd. <input type="checkbox"/>	Generators	KVA
No. of Receptacle Outlets	No. of Oil Burners	No. of Emerg. Lighting Battery Units	
No. of Switch Outlets	No. of Gas Burners	FIRE ALARMS	No. of Zones
No. of Ranges	No. of Air Cond.	Total Tons	No. of Detection and Initiating Devices
No. of Disposals	No. of Heat Pumps	Total Tons	Total KW
No. of Dishwashers	Space/Area Heating	KW	No. of Sounding Devices
No. of Dryers	Heating Devices	KW	No. of Self-Contained Detection/Sounding Devices
No. of Water Heaters	KW	No. of Signs	No. of Ballasts
No. of Hydro Massage Tubs	No. of Motors	Total HP	Local <input type="checkbox"/> Municipal Connection <input type="checkbox"/> Other
OTHER:		Low Voltage Wiring	

INSURANCE COVERAGE: Pursuant to the requirements of Massachusetts General Laws I have a current Liability Insurance Policy including Completed Operations Coverage or its substantial equivalent. YES NO I have submitted valid proof of same to this office. YES NO If you have checked YES, please indicate the type of coverage by checking the appropriate box.

INSURANCE BOND OTHER (Please Specify) _____ (Expiration Date)

Estimated Value of Electrical Work \$ 7

Work to Start _____ Inspection Date Requested: Rough _____ Final 6/2/00

Signed under the penalties of perjury:

FIRM NAME R.M. LABONTA LIC. NO. A7216

Licensee ROBERT LABONTA Signature [Signature] LIC. NO. _____

Address 326 LOWELL ST Bus. Tel. No. 3346615

City/Town LYNNFIELD MA Zip 01940 Alt. Tel. No. _____

OWNER'S INSURANCE WAIVER: I am aware that the Licensee DOES NOT HAVE the insurance coverage or its substantial equivalent as required by Massachusetts General Laws, and that my signature on this permit application waives this requirement.

Owner Agent (Please check one)

Telephone No. _____ PERMIT FEE \$ _____

PERMIT

POST IN A CONSPICUOUS PLACE



TOWN OF READING

DEPARTMENT OF COMMUNITY DEVELOPMENT
INSPECTIONS DIVISION
(617) 942-9013

003030 TOWN HALL, 16 LOWELL STREET
READING, MASSACHUSETTS 01867

INSPECTION OF BUILDINGS

=====

OFFICE OF THE INSPECTOR OF BUILDINGS

Municipal Building, Reading 06-MAY-94

This may certify that TOWN OF READING

has permission to ALTER desc: DEMOLITION COMMERCIAL

building on HAVERHILL ST Reading, Ma to be occupied

as DEMOLISH BUILDING provided that the person accepting this permit shall in every respect conform to the terms of the application therefore on file in this office, and to the provisions of the Statutes and By-Laws relating to the Inspection, Location, Alteration, and Construction of Buildings in the Town of Reading.

Board of Health Requirements
Blds Purpose DEMOLISH BUILDING

James R. Lela
Inspector of Buildings

Fee .00

Fire Stoppings & Construction _____
Wiring _____
Occupancy Inspection _____
Plumbing _____

(OCCUPANCY PERMIT MUST BE OBTAINED BEFORE OCCUPYING)

State Building Code, Section 122.3 "Whoever violates any of the provisions of the basic code shall be punishable by a fine of not more than 1,000.00 dollars or by imprisonment for not more than one year, or both, for each violation. Each day during which any portion of a violation continues shall constitute a separate offense".



003030

TOWN OF READING

BUILDING INSPECTION DEPARTMENT

PERMIT TO DEMOLISH A STRUCTURE

DATE MAY 4, 1994

TO THE INSPECTOR OF BUILDINGS:

The undersigned hereby applies for a permit to demolish a structure according to the provisions of the State Building Code:

1. Owners name TOWN OF READING
2. Owners address 16 LOWELL STREET, READING, MA 01867
3. Contractor DOMENICK ZANNI SONS, INC.
4. Contractors address 22 LAKEVIEW AVE, READING, MA 01867
5. Location HAVERHILL ST. NINE SITE - POLICE ANNEX BUILDING (Former) plot plan submitted
6. Size of lot 17.68 Acres sq.ft., Front _____ Rear _____
deep _____
7. Size of building _____ Area of Building 7,600 S.F.
8. Distance from lot lines: right _____ left 50'
front _____ rear 130'
9. Material of structure BLOCK
10. Street permit obtained N/A Services cut off Yes.
Water Edward D. M. [Signature] Sewer N/A
Electric [Signature] Gas N/A
11. Estimated Cost: \$13,000.00

REMARKS

.....
.....

Signature of owner or agent Edward D. M. [Signature] for Town of Reading

Address 16 Lowell St. Reading, MA 01867 Telephone 617-942-9080

NOTE::: All utilities must be signed by the respective companies.

PERMIT

POST IN A CONSPICUOUS PLACE



TOWN OF READING

DEPARTMENT OF COMMUNITY DEVELOPMENT
INSPECTIONS DIVISION
(781) 942-9013

TOWN HALL, 16 LOWELL STREET
READING, MASSACHUSETTS 01867

No 101589

101589

OFFICE OF THE INSPECTOR OF BUILDINGS
MUNICIPAL BUILDING, READING 01Aug2000

MAP 0171 LOT: 0001

This may certify that TOWN OF READING
has permission for PUBLIC NON-RES NEW CONSTRUCT ACCESSORY
property at E S OF HAVERHILL READING, MA 01867

provided that the person accepting this permit shall in every
respect conform to the terms of the application therefore on file
in this office, and to the provisions of the Statutes and By-Laws
relating to the Inspection, Location, Alteration, and Construction
of Buildings in the Town of Reading, and Mass State Building codes.

10 X 12 PRECAST STORAGE SHED

AS PER PLANS

Fee .00

William Palmer
Inspector of Buildings

MINIMUM INSPECTIONS REQUIRED:

FTGS FORMED _____
FDTN COMPLETE _____
FRAME _____
INSULATION _____
WALLBOARD _____
FINAL _____

PLUMBING _____
GAS _____
WIRING _____
FIRE DEPT _____
CONSERVATION _____


CERTIFICATE OF OCCUPANCY:

This certifies that the permitted work cited
above complies with applicable zoning by-laws
and State Building and Mechanical Codes.
Occupancy is not valid without the signature
below and ceases to be valid if any further
changes are made to the premises. This is not a
Conservation Certificate of Compliance.

PLUMBING _____
GAS _____
WIRING _____
FIRE DEPT _____
CONSERVATION _____
PLANNING _____

Inspector of Buildings

Date

 <p>The Commonwealth of Massachusetts State Board of Building Regulations and Standards Massachusetts State Building Code 780 CMR</p>	<p>TOWN OF READING 16 Lowell Street Reading, MA 01867 (781) 942-9013</p>
<p>APPLICATION TO CONSTRUCT, REPAIR, RENOVATE, CHANGE THE USE OR OCCUPANCY OF, OR DEMOLISH ANY BUILDING OTHER THAN A ONE OR TWO FAMILY DWELLING</p>	

This Section For Official Use Only

Building Permit Number: <u>101589</u>	Date Issued: <u>2/1/00</u>
Signature: <u>[Signature]</u>	
Building Commissioner/Inspector of Buildings	Date

SECTION 1 - SITE INFORMATION

<p>1.1 Property Address: <u>Symonds Way Ball Field</u> <u>OFF OF HAVERHILL STREET</u></p>	<p>1.2 Assessors Map & Parcel Number: <u>171</u> <u>1 (portion of)</u></p> <p style="font-size: small;">Map Number Parcel Number</p>																		
<p>1.3 Zoning Information: <u>S-40</u></p> <p style="font-size: small;">Zoning District Proposed Use</p>	<p>1.4 Property Dimensions: <u>143,748 S.F</u> <u>N/A</u></p> <p style="font-size: small;">Lot Area (sq) Frontage (ft)</p>																		
<p>1.6 Building Setbacks (ft)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Front Yard</th> <th colspan="2">Side Yards</th> <th colspan="2">Rear Yard</th> </tr> <tr> <th>Required</th> <th>Provided</th> <th>Required</th> <th>Provided</th> <th>Required</th> <th>Provided</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;"><u>23'</u></td> <td style="text-align: center;"><u>15'</u></td> <td style="text-align: center;"><u>7.5'</u></td> <td style="text-align: center;"><u>20</u></td> <td style="text-align: center;"><u>7.20</u></td> </tr> </tbody> </table>		Front Yard		Side Yards		Rear Yard		Required	Provided	Required	Provided	Required	Provided	<u>20</u>	<u>23'</u>	<u>15'</u>	<u>7.5'</u>	<u>20</u>	<u>7.20</u>
Front Yard		Side Yards		Rear Yard															
Required	Provided	Required	Provided	Required	Provided														
<u>20</u>	<u>23'</u>	<u>15'</u>	<u>7.5'</u>	<u>20</u>	<u>7.20</u>														
<p>1.7 Water Supply (M.G.L. c. 40, § 54) Public <input checked="" type="checkbox"/> Private <input type="checkbox"/></p>	<p>1.8 Flood Zone Information: Zone: <u>Outside Flood Zone</u></p>																		
<p>1.8 Sewage Disposal System: <u>N/A</u> Municipal <input type="checkbox"/> On site disposal system <input type="checkbox"/></p>																			

SECTION 2 - PROPERTY OWNERSHIP/AUTHORIZED AGENT

<p>2.1 Owner of Record: <u>Town of Reading</u> <u>16 LOWELL STREET</u></p> <p>Name (Print) Address: <u>READING MA 01867</u></p> <p>Signature Telephone</p>	
<p>2.2 Authorized Agent: <u>JACK SULLIVAN - ENGINEERING DEPT.</u> <u>16 LOWELL STREET</u></p> <p>Name (Print) Address: <u>READING MA 01867</u></p> <p>Signature Telephone</p>	

SECTION 3 - CONSTRUCTION SERVICES FOR PROJECTS LESS THAN 35,000 CUBIC FEET OF ENCLOSED SPACE

<p>3.1 Licensed Construction Supervisor:</p> <p>Licensed Construction Supervisor: _____</p> <p>Address _____</p> <p>Signature _____ Telephone _____</p>	<p>Not Applicable <input type="checkbox"/></p> <p>License Number _____</p> <p>Expiration Date _____</p>
<p>3.2 Registered Home Improvement Contractor:</p> <p>Company Name _____</p> <p>Address _____</p> <p>Signature _____ Telephone _____</p>	<p>Not Applicable <input type="checkbox"/></p> <p>Registration Number _____</p> <p>Expiration Date _____</p>

N/A

**780 CMR STATE BOARD OF BUILDING REGULATIONS AND STANDARDS
THE MASSACHUSETTS STATE BUILDING CODE**

SECTION 4 - WORKERS' COMPENSATION INSURANCE AFFIDAVIT (M.G.L. c. 152 § 25C(6))

Workers Compensation insurance affidavit must be completed and submitted with this application. Failure to provide this affidavit will result in the denial of the issuance of the building permit.

Signed Affidavit Attached Yes..... No.....

SECTION 5 - PROFESSIONAL DESIGN AND CONSTRUCTION SERVICES FOR BUILDINGS AND STRUCTURES SUBJECT TO CONSTRUCTION CONTROL PURSUANT TO 780 CMR 116 (CONTAINING MORE THAN 55,000 CU FT OF ENCLOSED SPACE)

5.1 Registered Architect:

N/A

Name (Registrant):		Not Applicable <input type="checkbox"/>
Address		
Signature	Telephone	
Registration Number		
Expiration Date		

5.2 Registered Professional Engineer(s):

Name		Area of Responsibility
Address		Registration Number
Signature	Telephone	Expiration Date
Name		Area of Responsibility
Address		Registration Number
Signature	Telephone	Expiration Date
Name		Area of Responsibility
Address		Registration Number
Signature	Telephone	Expiration Date
Name		Area of Responsibility
Address		Registration Number
Signature	Telephone	Expiration Date

5.3 General Contractor

Company Name:		Not Applicable <input type="checkbox"/>
Responsible in Charge of Construction		
Address		
Signature	Telephone	

SECTION 6 - DESCRIPTION OF PROPOSED WORK (check all applicable)

New Construction <input checked="" type="checkbox"/>	Existing Building <input type="checkbox"/>	Repair(s) <input type="checkbox"/>	Alteration(s) <input type="checkbox"/>	Addition <input type="checkbox"/>
Accessory Bldg. <input type="checkbox"/>	Demolition <input type="checkbox"/>	Other <input type="checkbox"/> Specify: _____		

Brief Description of Proposed Work:

APPLICANT IS PROPOSING TO PLACE A 10' x 12' PRECAST STORAGE SHED ON THE PROPERTY AS SHOWN ON THE ATTACHED SITE PLAN. THE SHED WILL SERVICE THE BALLFIELD FOR STORAGE AND HOUSING THE ELECTRICAL PANEL AND WATER BACKFLOW PREVENTOR

SECTION 7 - USE GROUP AND CONSTRUCTION TYPE

USE GROUP (Check as applicable)					CONSTRUCTION TYPE	
A Assembly	<input type="checkbox"/>	A-1 <input type="checkbox"/>	A-2 <input type="checkbox"/>	A-3 <input type="checkbox"/>	1A	<input type="checkbox"/>
		A-4 <input type="checkbox"/>	A-5 <input type="checkbox"/>		1B	<input type="checkbox"/>
B Business	<input type="checkbox"/>				2A	<input type="checkbox"/>
E Educational	<input type="checkbox"/>				2B	<input type="checkbox"/>
F Factory	<input type="checkbox"/>	F-1 <input type="checkbox"/>	F-2 <input type="checkbox"/>		2C	<input type="checkbox"/>
H High Hazard	<input type="checkbox"/>				3A	<input type="checkbox"/>
I Institutional	<input type="checkbox"/>	I-1 <input type="checkbox"/>	I-2 <input type="checkbox"/>	I-3 <input type="checkbox"/>	3B	<input type="checkbox"/>
M Mercantile	<input type="checkbox"/>				4	<input type="checkbox"/>
R Residential	<input type="checkbox"/>	R-1 <input type="checkbox"/>	R-2 <input type="checkbox"/>	R-3 <input type="checkbox"/>	5A	<input type="checkbox"/>
S Storage	<input checked="" type="checkbox"/>	S-1 <input type="checkbox"/>	S-2 <input type="checkbox"/>		5B	<input type="checkbox"/>
U Utility	<input type="checkbox"/>	Specify: _____				
M Mixed Use	<input type="checkbox"/>	Specify: _____				
S Special Use	<input type="checkbox"/>	Specify: _____				

COMPLETE THIS SECTION IF EXISTING BUILDING UNDERGOING RENOVATIONS, ADDITIONS AND/OR CHANGE IN USE.

Existing Use Group: _____	Proposed Use Group: _____
Existing Hazard Index 780 CMR 34): _____	Proposed Hazard Index 780 CMR 34): _____

SECTION 8 - BUILDING HEIGHT AND AREA

BUILDING AREA	Existing (if applicable)	Proposed
Number of Floors or stories include basement levels		1
Floor Area per Floor (sf)		120 S.F.
Total Area (sf)		120 S.F.
Total Height (ft)		8'-10"

SECTION 9 - STRUCTURAL PEER REVIEW (780 CMR 110.11)

Independent Structural Engineering Structural Peer Review Required	Yes..... <input type="checkbox"/>	No..... <input type="checkbox"/>
--	-----------------------------------	----------------------------------

SECTION 10 - OWNER AUTHORIZATION - TO BE COMPLETED WHEN OWNERS AGENT OR CONTRACTOR APPLIES FOR BUILDING PERMIT

I, _____, as Owner of the subject property hereby authorize _____ to act on my behalf, in all matters relative to work authorized by this building permit application.

Signature of Owner _____ Date _____

780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS
 THE MASSACHUSETTS STATE BUILDING CODE

SECTION 10b - OWNER/AUTHORIZED AGENT DECLARATION

I, _____, as Owner/Authorized Agent hereby declare that the statements and information on the foregoing application are true and accurate, to the best of my knowledge and belief.
 Signed under the pains and penalties of perjury.

Print Name _____

Signature of Owner/Agent _____

Date _____

SECTION 11 - ESTIMATED CONSTRUCTION COSTS

Item	Estimated Cost (Dollars) to be completed by permit applicant	Official Use Only	
		(a) Building Permit Fee Multiplier	
1. Building	\$10,000.00 (TOTAL)		
2. Electrical		(b) Estimated Total Cost of Construction from (c)	
3. Plumbing		Building Permit Fee (a) x (b)	
4. Mechanical (HVAC)			
5. Fire Protection			
6. Total = (1 + 2 + 3 + 4 + 5)	\$10,000 (TOTAL)	Check Number	



The Commonwealth of Massachusetts
 Department of Industrial Accidents
Office of Investigations
 600 Washington Street
 Boston, Mass. 02111

Workers' Compensation Insurance Affidavit

Applicant Information: Please PRINT legibly

name: _____

location: _____

city _____ phone # _____

- I am a homeowner performing all work myself.
- I am a sole proprietor and have no one working in any capacity
- I am an employer providing workers' compensation for my employees working on this job.

company name: _____

address: _____

city: _____ phone #: _____

insurance co. _____ policy # _____

I am a sole proprietor, general contractor, or homeowner (*circle one*) and have hired the contractors listed below who have the following workers' compensation policies:

company name: _____

address: _____

city: _____ phone #: _____

insurance co. _____ policy # _____

company name: _____

address: _____

city: _____ phone #: _____

insurance co. _____ policy # _____

Attach additional sheet if necessary

Failure to secure coverage as required under Section 25A of MGL 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one year's imprisonment as well as civil penalties in the form of a STOP WORK ORDER and a fine of \$100.00 a day against me. I understand that a copy of this statement may be forwarded to the Office of Investigations of the DIA for coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature _____ Date _____

Print name _____ Phone # _____

official use only do not write in this area to be completed by city or town official

city or town: _____ permit/license # _____ Building Department
 Licensing Board
 Selectmen's Office
 Health Department
 Other _____

check if immediate response is required

contact person: _____ phone #: _____

Information and Instructions

Massachusetts General Laws chapter 152 section 25 requires all employers to provide workers' compensation for their employees. As quoted from the "law", an *employee* is defined as every person in the service of another under any contract of hire, express or implied, oral or written.

An *employer* is defined as an individual, partnership, association, corporation or other legal entity, or any two or more of the foregoing engaged in a joint enterprise, and including the legal representatives of a deceased employer, or the receiver or trustee of an individual, partnership, association or other legal entity, employing employees. However the owner of a dwelling house having not more than three apartments and who resides therein, or the occupant of the dwelling house of another who employs persons to do maintenance, construction or repair work on such dwelling house or on the grounds or building appurtenant thereto shall not because of such employment be deemed to be an employer.

MGL chapter 152 section 25 also states that every state or local licensing agency shall withhold the issuance or renewal of a license or permit to operate a business or to construct buildings in the commonwealth for any applicant who has not produced acceptable evidence of compliance with the insurance coverage required. Additionally, neither the commonwealth nor any of its political subdivisions shall enter into any contract for the performance of public work until acceptable evidence of compliance with the insurance requirements of this chapter have been presented to the contracting authority.

Applicants

Please fill in the workers' compensation affidavit completely, by checking the box that applies to your situation and supplying company names, address and phone numbers along with a certificate of insurance as all affidavits may be submitted to the Department of Industrial Accidents for confirmation of insurance coverage. Also be sure to sign and date the affidavit. The affidavit should be returned to the city or town that the application for the permit or license is being requested, not the Department of Industrial Accidents. Should you have any questions regarding the "law" or if you are required to obtain a workers' compensation policy, please call the Department at the number listed below.

City or Towns

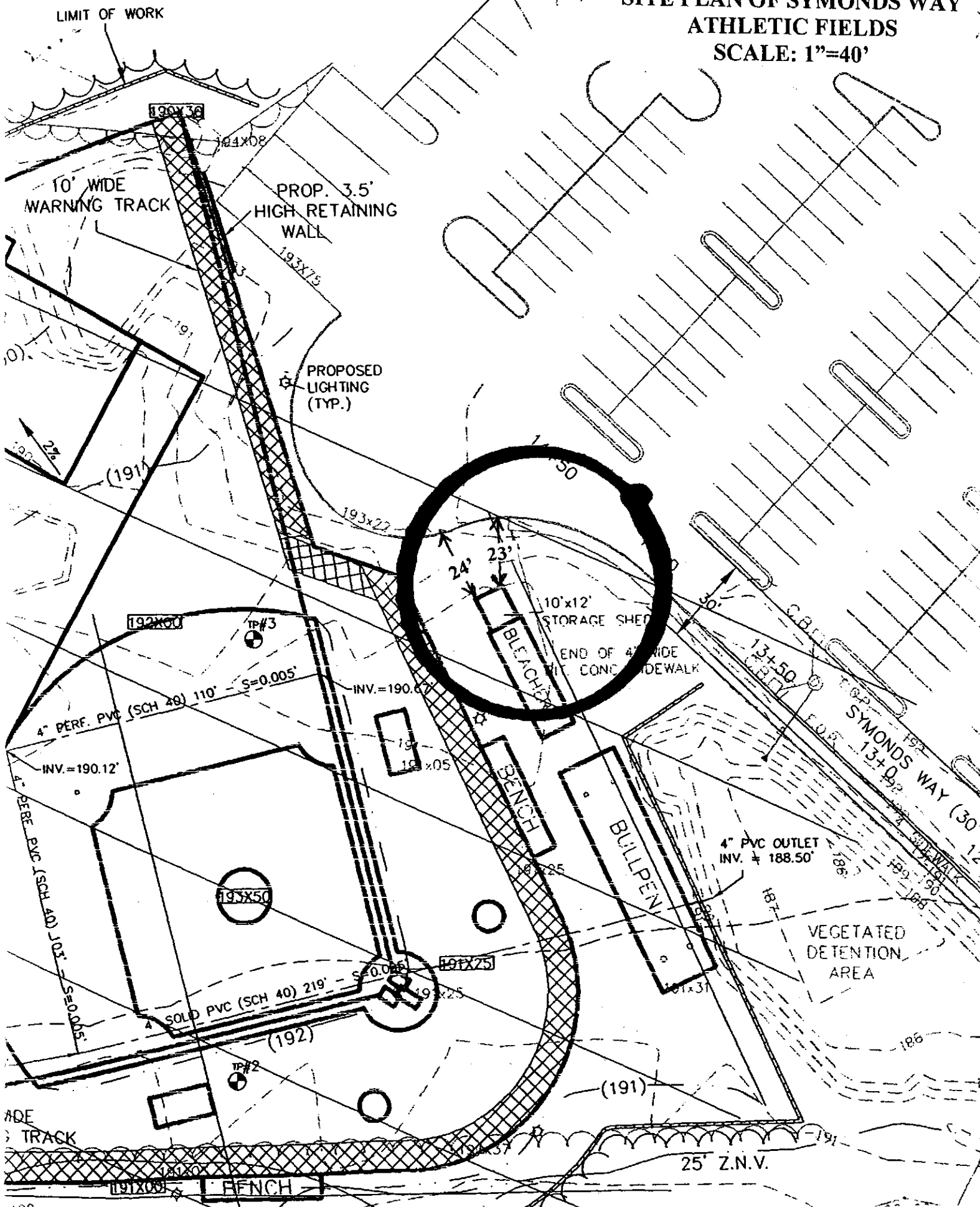
Please be sure that the affidavit is complete and printed legibly. The Department has provided a space at the bottom of the affidavit for you to fill out in the event the Office of Investigations has to contact you regarding the applicant. Please be sure to fill in the permit/license number which will be used as a reference number. The affidavits may be returned to the Department by mail or FAX unless other arrangements have been made.

The Office of Investigations would like to thank you in advance for your cooperation and should you have any questions, please do not hesitate to give us a call.

The Department's address, telephone and fax number:

The Commonwealth Of Massachusetts
Department of Industrial Accidents
Office of Investigations
600 Washington Street
Boston, Ma. 02111
fax #: (617) 727-7749
phone #: (617) 727-4900 ext. 406, 409 or 375

**SITE PLAN OF SYMONDS WAY
ATHLETIC FIELDS
SCALE: 1"=40'**



PERMIT

POST IN A CONSPICUOUS PLACE



TOWN OF READING

DEPARTMENT OF COMMUNITY DEVELOPMENT
INSPECTIONS DIVISION
(781) 942-9013

TOWN HALL, 16 LOWELL STREET
READING, MASSACHUSETTS 01867

№104555

5

OFFICE OF THE INSPECTOR OF BUILDINGS
MUNICIPAL BUILDING, READING 04May2004

0167 LOT: 0170

This may certify that TOWN OF READING
has permission for PUBLIC NON-RES NEW CONSTRUCT OTHER
property at SYMMONDS WAY READING, MA 01867

provided that the person accepting this permit shall in every
respect conform to the terms of the application therefore on file
in this office, and to the provisions of the Statutes and By-Laws
relating to the Inspection, Location, Alteration, and Construction
of Buildings in the Town of Reading, and Mass State Building codes.

BLEECHERS SEATING FOR 50

2 HANDICAP AS PER PLANS

Fee .00

Inspector of Buildings

MINIMUM INSPECTIONS REQUIRED:

FTGS FORMED _____
FDTN COMPLETE _____
FRAME _____
INSULATION _____
WALLBOARD _____
FINAL _____

PLUMBING _____
GAS _____
WIRING _____
FIRE DEPT _____
CONSERVATION _____

CERTIFICATE OF OCCUPANCY:


REQUIRED YES ___ NO
\$25.00 FEE REQUIRED ___ YES ___ NO
\$50.00 FEE REQUIRED ___ YES ___ NO

NO FEE

PLUMBING _____
GAS _____
WIRING _____
FIRE DEPT _____
CONSERVATION _____
PLANNING _____
HEALTH _____
ENGINEERING _____

Inspector of Buildings

Date

 <p>The Commonwealth of Massachusetts State Board of Building Regulations and Standards Massachusetts State Building Code 780 CMR</p>	<p>TOWN OF READING 16 Lowell Street Reading, MA 01867 (781) 942-9013</p>
<p>APPLICATION TO CONSTRUCT, REPAIR, RENOVATE OR DEMOLISH A ONE OR TWO FAMILY DWELLING</p>	

This Section For Official Use Only	
Building Permit Number: <u>104 550</u>	Date Issued: <u>5/5/04</u>
Signature: <u>[Signature]</u>	
Building Commissioner/Inspector of Buildings	Date

SECTION 1 - SITE INFORMATION					
1.1 Property Address: <u>Symond Way</u> <u>Baseball field</u>			1.2 Assessors Map & Parcel Number: <u>167</u> <u>170</u> Map Number Parcel Number		
1.3 Zoning Information: Zoning District _____ Proposed Use _____			1.4 Property Dimensions: Lot Area (sq) _____ Frontage (ft) _____		
1.5 Building Setbacks (ft)					
Front Yard		Side Yards		Rear Yard	
Required	Provided	Required	Provided	Required	Provided
		/	/		
1.6 Water Supply (M.G.L. c. 40, § 54) Public <input type="checkbox"/> Private <input type="checkbox"/>		1.7 Flood Zone Information: Zone: _____ Outside Flood Zone <input type="checkbox"/>		1.8 Sewage Disposal System: Municipal <input type="checkbox"/> On site disposal system <input type="checkbox"/>	

SECTION 2 - PROPERTY OWNERSHIP/AUTHORIZED AGENT	
2.1 Owner of Record: <u>Town of Reading</u> Name (Print) _____ Address for Service: _____ <u>[Signature]</u> Telephone _____	
2.2 Authorized Agent: <u>Brian Langton</u> Name (Print) _____ Address for Service: <u>185 Prescott St</u> <u>[Signature]</u> Telephone _____ <u>Reading</u>	

SECTION 3 - CONSTRUCTION SERVICES		
3.1 Licensed Construction Supervisor: <u>Brian Langton</u> Licensed Construction Supervisor: _____ <u>185 Prescott St Reading</u> Address _____ <u>[Signature]</u> Telephone: <u>781-942-1093</u>		Not Applicable <input type="checkbox"/> <u>047837</u> License Number <u>8-05</u> Expiration Date
3.2 Registered Home Improvement Contractor: Company Name _____ Address _____ Signature _____ Telephone _____		Not Applicable <input type="checkbox"/> Registration Number _____ Expiration Date _____

Conservation Approval Required: Yes No
 Signature: FMF - permit has been issued

SECTION 6 - WORKERS COMPENSATION INSURANCE AFFIDAVIT (780 CMR 3.00(1))

Workers Compensation insurance affidavit must be completed and submitted with this application. Failure to provide this affidavit will result in the denial of the issuance of the building permit.

Signed Affidavit Attached Yes..... No.....

SECTION 7 - DESCRIPTION OF PROPOSED WORK (Check all applicable)

New Construction Existing Building Repair(s) Alteration(s) Addition
 Accessory Bldg. Demolition Other Specify:

Brief Description of Proposed Work: INSTALL 180 in ft of chain link fence
Installation of non elevated bleachers
5 Rows - Seats 50 - w/2 hand capped seats
Dimensions 10' deep x 21' wide x 6' high
Bleachers to fastened to 2x6 P.T. Sills on grade

ROOFING JOBS ANSWER THE FOLLOWING QUESTION:
 Number of squares _____
 Total roof coverage cannot exceed 2 layers (780 CMR 3609.10.3)

SECTION 8 - ESTIMATED COSTS BY CATEGORY

Item	Estimated Cost (Dollars) to be completed by permit applicant	Official Use Only	
1. Building	8500	(a) Building Permit Fee Multiple	
2. Electrical		(b) Estimated Total Cost of Construction from (1)	
3. Plumbing		Building Permit Fee (a) x (b)	
4. Mechanical (HVAC)			
5. Fire Protection		Check Number	
6. Total = (1 + 2 + 3 + 4 + 5)	8500		

0.00

SECTION 9 - OWNER AUTHORIZATION TO BE COMPLETED WHEN OWNER AGENT OR CONTRACTOR APPLIES FOR BUILDING PERMIT

I, _____, as Owner of the subject property hereby authorize _____ to act on my behalf, in all matters relative to work authorized by this building permit application.

Signature of Owner _____ Date _____

SECTION 10 - OWNER AUTHORIZED AGENT DECLARATION

I, Brian Langston / Babe Ruth League as Owner/Authorized Agent hereby declare that the statements and information on the foregoing application are true and accurate, to the best of my knowledge and belief.

Signed under the pains and penalties of perjury.

Brian Langston
 Print Name
Brian Langston
 Signature of Owner/Agent _____ Date _____

DUMPSTER PERMIT REQUIRED (AS OF 03/15/03)

Will there be a dumpster at the work site: YES NO

Dumpster permit applied for on _____



The Commonwealth of Massachusetts
 Department of Industrial Accidents
 Office of Investigations
 600 Washington Street
 Boston, Mass. 02111
 Workers' Compensation Insurance Affidavit

Applicant Information

name: Brian Langton

location: 185 Prescott St

city: Reading MA phone #: 781 542-2293

- I am a homeowner performing all work myself.
- I am a sole proprietor and have no one working in any capacity
- I am an employer providing workers' compensation for my employees working on this job.

company name:

address:

city: phone #:

insurance co. policy #:

I am a sole proprietor, General contractor or homeowner (circle one) and have hired the contractors listed below who have the following workers' compensation policies:

company name: LANGTON + DOUGLAS CONTRACTING INC

address: 100 Cross St

city: Somerville MA phone #: 617-776-5120

insurance co. W. J. Chan, Inc. policy #: WR00216440000

company name:

address:

city: phone #:

insurance co. policy #:

Failure to secure coverage as required under Section 25A of MGL 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one year's imprisonment as well as civil penalties in the form of a STOP WORK ORDER and a fine of \$100.00 a day against me. I understand that a copy of this statement may be forwarded to the Office of Investigations of the DIA for coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature: Brian Langton Date: 3/22/04

Print name: Brian Langton Phone #: 617-776-5120

Official use only - do not write in this area to be completed by city or town official

city or town: _____ permit/license # _____

check if immediate response is required

contact person: _____ phone #: _____

- Building Department
- Licensing Board
- Selectmen's Office
- Health Department
- Other _____

Information and Instructions

Massachusetts General Laws chapter 152 section 25 requires all employers to provide workers' compensation for their employees. As quoted from the "law", an *employee* is defined as every person in the service of another under any contract of hire, express or implied, oral or written.

An *employer* is defined as an individual, partnership, association, corporation or other legal entity, or any two or more of the foregoing engaged in a joint enterprise, and including the legal representatives of a deceased employer, or the receiver or trustee of an individual, partnership, association or other legal entity, employing employees. However the owner of a dwelling house having not more than three apartments and who resides therein, or the occupant of the dwelling house of another who employs persons to do maintenance, construction or repair work on such dwelling house or on the grounds or building appurtenant thereto shall not because of such employment be deemed to be an employer.

MGL chapter 152 section 25 also states that every state or local licensing agency shall withhold the issuance or renewal of a license or permit to operate a business or to construct buildings in the commonwealth for any applicant who has not produced acceptable evidence of compliance with the insurance coverage required. Additionally, neither the commonwealth nor any of its political subdivisions shall enter into any contract for the performance of public work until acceptable evidence of compliance with the insurance requirements of this chapter have been presented to the contracting authority.

Applicants

Please fill in the workers' compensation affidavit completely, by checking the box that applies to your situation and supplying company names, address and phone numbers as all affidavits may be submitted to the Department of Industrial Accidents for confirmation of insurance coverage. Also be sure to sign and date the affidavit. The affidavit should be returned to the city or town that the application for the permit or license is being requested, not the Department of Industrial Accidents. Should you have any questions regarding the "law" or if you are required to obtain a workers' compensation policy, please call the Department at the number listed below.

City or Towns

Please be sure that the affidavit is complete and printed legibly. The Department has provided a space at the bottom of the affidavit for you to fill out in the event the Office of Investigations has to contact you regarding the applicant. Please be sure to fill in the permit/license number which will be used as a reference number. The affidavits may be returned to the Department by mail or FAX unless other arrangements have been made.

The Office of Investigations would like to thank you in advance for your cooperation and should you have any questions, please do not hesitate to give us a call.

The Department's address, telephone and fax number:

The Commonwealth Of Massachusetts
Department of Industrial Accidents
Office of Investigations
600 Washington Street
Boston, Ma. 02111
fax #: (617) 727-7749
phone #: (617) 727-4900 ext. 406, 409 or 375

THE MASSACHUSETTS STATE BUILDING CODE

1012.7.1 Width: In addition to the width required by 780 CMR 1012.2, *aisle accessways* shall provide a minimum of 12 inches (305 mm) plus 0.5 inch (13 mm) of width for each additional 1 foot (305 mm), or fraction thereof, beyond 12 feet (3660 mm) of *aisle accessway* length measured from the center of the seat farthest from an aisle.

Exception: Portions of an *aisle accessway* having a length not exceeding six feet (1830 mm) and used by a total of not more than four persons.

1012.7.2 Length: The length of travel along the *aisle accessway* shall not exceed 36 feet (10973 mm) from any seat to the closest aisle. The path of travel shall not exceed 30 feet (9144 mm) from any seat to the point where a person has a choice of two or more paths of travel to separate *exits*.

1012.8 Railings: Railings shall be provided on balconies and galleries in accordance with 780 CMR 1021.4.

780 CMR 1013.0 GRANDSTANDS

1013.1 Scope: 780 CMR 1013.0 shall apply to all structures with an occupancy in Use Group A which provide permanent, temporary or portable tiered or stepped seating facilities, such as *grandstands*, *bleachers*, folding and telescopic seating. Except as modified by 780 CMR 1013.0, 780 CMR 1012.0 shall apply to all such structures.

1013.2 Smoke-protected assembly seating: Assembly seating which is served by a *means of egress* that is not subject to blocking by smoke accumulation within or under a structure shall be considered smoke protected and shall comply with the requirements of 780 CMR 1013.2.1 through 1013.2.3.

1013.2.1 Roof height: A smoke-protected assembly seating area with a roof shall have the lowest portion of the roof not less than 15 feet (4572 mm) above the highest aisle or *aisle accessway*.

1013.2.2 Automatic sprinklers: All areas enclosed with walls and ceilings in structures containing smoke-protected assembly seating shall be equipped throughout with an *automatic sprinkler system* in accordance with 780 CMR 906.0.

Exception: An *automatic sprinkler system* is not required for either of the following:

1. The floor area used for a contest, performance or entertainment provided that the roof construction is more than 50 feet (15240 mm) above the floor level and the use of the floor is restricted to low fire-hazard occupancies.
2. Press boxes and storage facilities less than 1,000 square feet (9.3 m²) in area in conjunction with outdoor seating facilities

where all *means of egress* in the seating area are essentially open to the outside.

1013.2.3 Smoke control: All *means of egress* serving a smoke-protected assembly seating area shall be provided with a smoke control system complying with 780 CMR 921.0 or natural *ventilation* designed to maintain the smoke level at least six feet (1829 mm) above the floor of the *means of egress*.

1013.3 Travel distance: The *exit access* travel distance shall comply with 780 CMR 1006.5 except that in a smoke-protected assembly seating area, the travel distance from each seat to the nearest entrance to an egress vomitory portal or egress concourse shall not exceed 200 feet (60960 mm). The travel distance from the entrance to a vomitory portal or egress concourse to an approved egress stair, ramp or walk at the building exterior shall not exceed 200 feet (60960 mm). Where aisles are required, the distance shall be measured along the aisles and *aisle accessways* without travel over or on the seats.

1013.4 Minimum egress widths: The minimum clear width of *stairways*, passageways, doorways, ramps and other *means of egress* shall provide sufficient capacity in accordance with the provisions of 780 CMR 10, except as modified by Table 1013.4.

Table 1013.4
MINIMUM EGRESS WIDTHS
SMOKE-PROTECTED ASSEMBLY
SEATING

Number of seats in the space	Inches ^b of clear width per seat served			
	Stairs with handrails within 30 inches	Stairs without handrails within 30 inches	Aisles, accessways, doorways and ramps not steeper than 1 in 10 slope	Ramps steeper than 1 in 10 slope
2,000 or less	0.300	0.375	0.200	0.220
5,000	0.200	0.250	0.150	0.165
10,000	0.130	0.163	0.100	0.110
15,000	0.096	0.120	0.070	0.077
20,000	0.076	0.095	0.056	0.066
25,000 or more	0.060	0.075	0.044	0.048

Note a. If risers exceed 7 inches in height, the minimum clear width of stairs determined from the table shall be multiplied by factor A where $A = 1 + [(Riser\ Height - 7.0) + 5]$.

Note b. 1 inch = 25.4 mm.

1013.5 Aisles: Aisles shall be provided in all seating facilities except that an aisle is not required where all of the following conditions exist.

1. Seats are without backrests.
2. The rise from row to row does not exceed six inches (152 mm) per row.

3. The row spacing does not exceed 28 inches (711 mm) unless the seatboards and footboards are at the same elevation.
4. The number of rows does not exceed 16 in height.
5. The first seatboard is not more than 12 inches (305 mm) above the ground, floor surface or cross aisle below.
6. Seatboards have a continuous flat surface.
7. Seatboards provide a walking surface with a minimum width of 11 inches (279 mm).
8. Egress from seating is not restricted by rails, guards or other obstructions.

1013.5.1 Termination: Where seats are without backrests, dead ends in vertical aisles shall not exceed a distance of 16 rows. For smoke-protected assembly seating, the dead ends in vertical aisles shall not exceed a distance of 21 rows. For smoke-protected assembly seating, a longer dead-end aisle is permitted where seats served by the dead-end aisle are not more than 40 seats from another aisle, measured along a row of seats having an *aisle accessway* with a minimum clear width of 12 inches (305 mm) plus 0.3 inch (8 mm) for each additional seat above seven in the row.

1013.5.2 Row width: For smoke protected assembly seating, the maximum number of seats in a row that has a minimum clear aisle accessway width of 12 inches (305 mm) shall be as specified in Table 1013.5.2.

Where the number of seats per row exceeds that specified in Table 1013.5.2, the minimum clear aisle accessway width for rows served by aisles or doorways at both ends shall be 12 inches (305 mm) plus 0.3 inch (7.5 mm) for every additional seat beyond that specified in Table 1013.5.2 and there shall be not more than 100 seats per row; and for rows served by an aisle or doorway at only one end of the row, the minimum clear *aisle accessway* width shall be 12 inches (305 mm) plus 0.6 inch (15 mm) for every additional seat beyond that specified in Table 1013.5.2.

**Table 1013.5.2
ROW LENGTH WITH 12-INCH AISLE
ACCESSWAY SMOKE-PROTECTED
ASSEMBLY SEATING**

Total number of seats in the space	No. Of seats per row permitted to have a minimum 12-inch clear width aisle accessway	
	Aisle or doorway at both ends of row	Aisle or doorway at one end of row
Less than 4,000	14	7
4,000	15	7
7,000	16	8
10,000	17	8
13,000	18	9
16,000	19	9
19,000	20	10
22,000 or more	21	11

Note a. 1 inch = 25.4 mm.

1013.5.3 Single access row: For rows of seating served by an aisle or doorway at only one end of the row in smoke-protected assembly seating, the *common path of travel* from any seat to a point where a person has a choice of two directions of egress travel shall not exceed 50 feet (15240 mm).

1013.6 Bleacher footboards: *Bleacher* footboards shall be provided for all rows of seats above the third row or beginning at such a point where the seatboard is more than two feet (610 mm) above the ground, floor surface or cross aisle below. A separate footboard is not required where the same platform is used for both seating and the footboard, provided that each level or platform is not less than 24 inches (610 mm) wide. On a horizontally projected plane, horizontal gaps between footboards and seatboards shall not exceed ¼ inch (6 mm). Openings between footboards and seatboards which are located more than 30 inches (762 mm) above the floor or grade below shall be provided with intermediate construction such that a sphere with a diameter of four inches (102 mm) cannot pass through the opening.

1013.7 Spaces underneath seats: Spaces underneath *grandstand* seats shall be kept free of all combustible and *flammable* materials and shall not be occupied or used for other than *exits*, except that where enclosed in not less than one-hour fire-resistance rated construction, the code official shall approve the use of such spaces for other purposes, provided that the safety of the public is not endangered.

780 CMR 1014.0 STAIRWAYS

1014.1 General: All *stairways* shall comply with the provisions of 780 CMR 1014.0. 780 CMR 1014.11 shall be applicable only to interior *stairways*. 780 CMR 1014.12 shall be applicable only to exterior *stairways*.

1014.1.1 Walking surface: The maximum slope of the walking surface of treads and landings shall be one unit vertical in 48 units horizontal (1:48).

1014.2 Egress capacity: The egress capacity of *stairways* and doors shall be computed in accordance with 780 CMR 1009.0.

1014.3 Width: All *means of egress stairways* shall not be less than 44 inches (1118 mm) in width.

Exceptions:

1. *Stairways* serving buildings of single-exit construction where permitted by 780 CMR 1010.3 shall not be less than 36 inches (914 mm) in width.
2. *Spiral stairways* as provided for in 780 CMR 1014.6.4.



Town of Reading
16 Lowell Street
Reading, MA 01867-2683

CONSERVATION COMMISSION
Phone (781) 942-9016 Fax (781) 942-9070

February 19, 2004

Mr. Brian J. Langton
185 Prescott Street
Reading, MA 01867

Dear Mr. Langton:

Enclosed is the Minor Project Permit for the Little League bleachers and bullpen at the Symonds Way ballfield. Please read it carefully and call if you have any questions. Please call when you are ready to begin and when you have finished, so that I can make the necessary inspections.

Thank you.

Sincerely,

Frances M. Fink
Conservation Administrator

Minor Project

Applicant: Brian J. Langton
Address: 185 Prescott Street
Phone Number: 942-2293
Date: February 19, 2004
Project: Bullpen fence and 10' by 21' aluminum bleachers on concrete pad at Little League field, Symonds Way
Fee- \$50: Check Number 4090

Some projects are simple, routine, and involve very little activity or alteration within the Buffer Zone, and no significant potential adverse impact on a resource area. For such projects, it would be unreasonable to require a full Determination of Applicability. To avoid unnecessary regulation of doubtful practical validity, the following projects, subject to the following conditions, shall require only the written approval of the Conservation Administrator or other agent duly appointed by the Commission.

1. Conditions:

- A. The project must be routine and there must be no special circumstances such as known vernal pools. *Bleachers are more than 100 feet from wetland that contains vernal pool. Bull pen is 35 feet from wetland in area already developed as lawn.*
- B. The limit of the resource area must be clearly evident to the Conservation Administrator. *Established when field was constructed.*
- C. The work must be outside of land subject to flooding and over twenty-five feet (thirty-five feet where structures are involved) from the limit of any other resource area; except if the work area is already in a legally developed condition (such as lawn, pavement, gravel, etc.), then the work must be over ten feet (twenty feet where structures are involved) from any other resource area. Where more restrictive setbacks are imposed in Section 4.G.2, the more restrictive setbacks shall be observed. *Meets setbacks.*
- D. A complete written description of all of the work and protective or mitigative measures, and an accurate sketch or plan must be submitted to the Conservation Administrator. *Submitted.*
- E. All conditions applied by the Administrator shall be complied with. *See below.*
- F. The Administrator shall provide a copy of the proposal and any conditions to the Commission at its next regular meeting. *February 25, 2004.*
- G. If the Administrator grants approval, the proponent may proceed with the project at his/her own risk pending a review by the Commission; any person may file a formal Request for Determination pursuant to the preceding Section 4.A., and the Commission's Determination shall supersede the Administrator's decision.
- H. Vehicles and construction machinery shall be confined to the existing driveway and remain outside the 100-foot buffer zone.
- I. During the course of construction, all necessary measures shall be taken to prevent the movement of sediments into the wetlands.

- J. Applicant shall notify the Commission by telephone (781-942-9016) at least 48 hours prior to commencement of construction, and after work is completed.
- K. All disturbed soils shall be permanently stabilized with loam and vegetation after construction.
- L. All debris shall be removed from the site and disposed of in accordance with applicable laws.
- M. The project shall not result in any change in topography.
- N. The bullpen fence shall be set with a 6-inch gap between the bottom of the fence and the ground to allow free passage of small animals such as frogs, turtles, and salamanders under the fence.
- O. The Conservation Commission or Administrator may enter the property to inspect for compliance with these conditions.

3. Minor Projects include:

- A. Installation of unpaved pedestrian walkways for private use;
- B. Installation of fencing or free-standing stone walls, provided that they will not constitute a barrier to wildlife movement;
- C. Pruning of trees and shrubs located more than 50 feet from a wetland resource area, and pruning of existing landscaped areas regardless of distance to wetlands;
- D. Planting of species of trees, shrubs, or groundcover native to Massachusetts, but excluding planting of turf lawns where turf lawns do not presently exist;
- E. Conversion of existing lawns to uses accessory to existing single family houses, provided that the activity is located more than 50 feet from wetland resource areas, such as: open slotted decks without roofs; above-ground pools; freestanding (no foundation) sheds under 15 feet by 15 feet; steps under 100 square feet; patios under 100 square feet; porches under 100 square feet on existing foundations or on concrete footings;. The conversion of such accessory uses to lawn is also allowed.
- F. Conversion of impervious surfaces to vegetated areas in the Buffer Zone;
- G. Activities that are temporary in nature, have negligible impacts, and are necessary for planning and design purposes (e.g., installation of monitoring wells, exploratory borings, sediment sampling, and surveying).

3. Buffer Zone projects that are not permitted by this procedure include but are not limited to the following work (note: no work in a resource area can be permitted by this procedure):

- A. New or increased foundations;
- B. Filling, grading, or machine excavation;
- C. Additions except as listed in subsection 2;
- D. Work within 100 feet of a known vernal pool;
- E. Wells; and
- F. Work within land subject to flooding, or within twenty-five feet of another resource area, or within ten feet if legally existing development exists in the location.

Issued by Frances M. Furt



Town of Reading
16 Lowell Street
Reading, MA 01867-2683

CONSERVATION COMMISSION
Phone (781) 942-9016 Fax (781) 942-9070

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Reading, MA 01867

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- K. All disturbed soils shall be permanently stabilized with loam and vegetation after construction.
- L. All debris shall be removed from the site and disposed of in accordance with applicable laws.
- M. The project shall not result in any change in topography.
- N. The bullpen fence shall be set with a 6-inch gap between the bottom of the fence and the ground to allow free passage of small animals such as frogs, turtles, and salamanders under the fence.
- O. The Conservation Commission or Administrator may enter the property to inspect for compliance with these conditions.

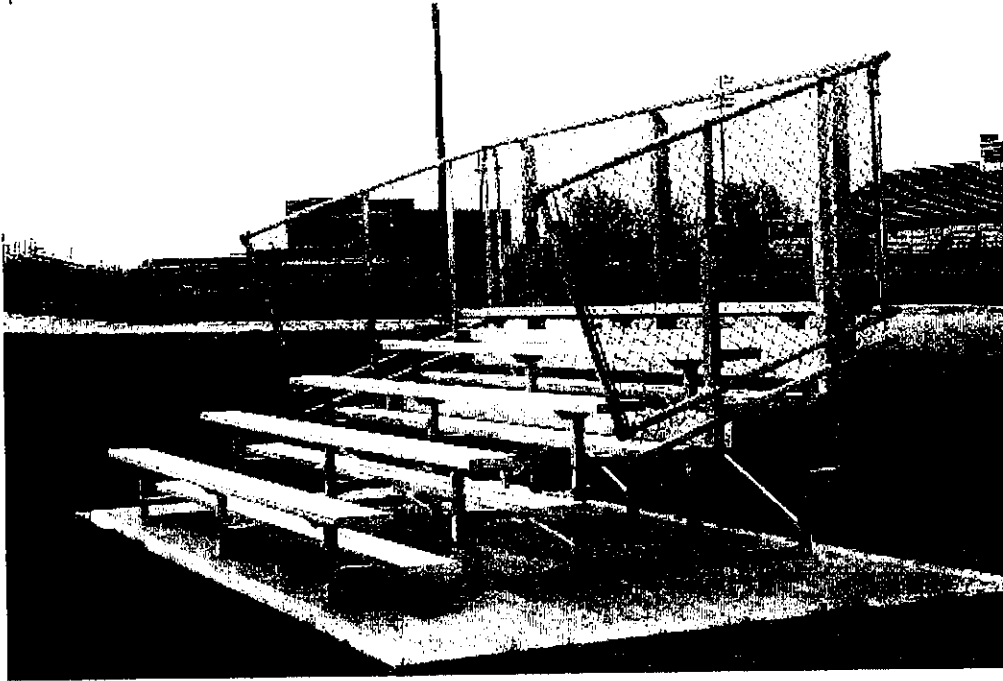
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- E. Wells; and
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Issued by Frances M. Furt



To Brian Langford

Symonds Field

BLEACHER SITE AND ANCHORING REQUIREMENTS

1) General Requirements:

- A) The site on which the bleacher is to be placed shall consist of a minimum soil bearing of 1,000 psf.
- B) The site shall be clear of all obstacles (ie. light poles, utilities, or other obstructions), unless special construction is specifically stated in the Bid or Quote.
- C) The surface may be sloped a maximum of 1/8 inch per foot for drainage. The maximum overall out of level slope perpendicular to the seats (front to rear) shall not exceed 2" and parallel to the seats (end to end) shall not exceed 4". Variations in flatness shall not exceed 5/16" below a 10-foot straightedge.
- D) Bleachers shall be anchored to resist overturning from wind forces, and to be in compliance with many local codes.

2) Methods of Anchoring

Anchoring bleachers can be accomplished in several ways at the discretion of the owner and the soil conditions at the site. It is recommended that the bleachers be attached to concrete foundations or be secured with auger type soil anchors.

A) Concrete Foundations:

Minimum concrete foundation options include: (1) a 4-inch thick reinforced concrete slab (2) a 12-inch wide by 24-inch deep concrete strip foundation under each bleacher frame or (3) sufficient drilled concrete piers to anchor the bleachers. Frost lines, soil conditions, or other conditions may indicate a need for additional depth or reinforcement of concrete. Contact us for specific concrete specifications.

B) Auger Anchors:

Auger type soil anchors are generally recommended when the owner intends to set the bleacher on wood groundsills, or where concrete may not be practical. Auger type soil anchors consist of augers that are driven into the soil, and hold down straps which secure the bleacher frames to the embedded augers. A specialized auger drive machine is required for installation of augers. When auger anchors are to be installed, it is required that the soil (stone, gravel, etc.) not contain large rocks, or other compacted material which may prohibit or severely impede such auger anchor installation.

3) Site Soil Requirements

Since the soil type dictates the type of foundation or anchors that can be used, it is recommended that the owner engage the services of a local soil-testing agency to investigate and to furnish a soil report. The soil shall be described in accordance with the Unified Classification System and blow counts shall be furnished in accordance with ASTM D1586. If the owner furnishes incorrect or insufficient soil information the resultant anchoring method may prove inadequate to resist loads at the risk of the owner.

4/3/04

* 3 Solid FTGS 12x24 GROSS EACH
FRAMES

Redmond, Glen

To: DRyanAccess@aol.com

Subject: RE: Newe Soccer Field

Thanx Debbie
Glen R

-----Original Message-----

From: DRyanAccess@aol.com [SMTP:DRyanAccess@aol.com]

Sent: Monday, March 22, 2004 9:53 AM

To: gredmond@ci.reading.ma.us

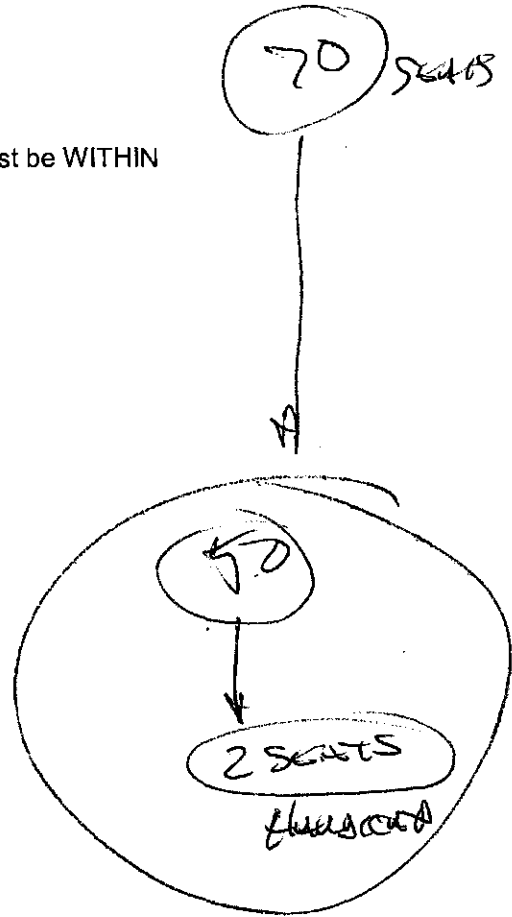
Subject: Re: Newe Soccer Field

<< File: ATT00000.html >> Hi Glen,

Yes, they must provide 4 accessible seating spaces and they must be WITHIN the bleachers and cannot be in front of the bleachers.

Any questions, give a call.
Debbie

Deborah A. Ryan & Associates
592 East Broadway
South Boston, MA 02127
Ph. (617) 268-9423
Fax: (617) 268-9437



A.D.A. Book

Ch 14

Table 14.2

Places of Assembly

Seating - # of H.P. seats required

26 - 50 - 2

51 - 300 - 4



"THE BEST SEAT IN THE HOUSE"

Low Rise Bleachers
Standard Bleachers
Preferred Bleachers
Deluxe Bleachers
Elevated Bleachers
Tip N' Roll Bleachers
Transport Bleachers
Bleacher Features

Replacement Seating

Benches
Picnic Tables

Seating Plans 1
Seating Plans 2
Dimensions
Architectural Spec's

**National Recreation
Systems, Inc.**
5120 Investment Drive
Fort Wayne, IN 46808
888-568-9064
260-482-6023
260-482-7449 fax

Portable Bleachers

Section 13125

Part 1 - General

1.01 System Description

A. Design and fabrication of Portable Bleachers

1.02 Quality Assurance

A. Manufacturer: National Recreation Systems, Inc., P.O. Box 11487, Fort Wayne, IN 46858-1487

B. Manufacturer Qualifications: Manufacturer must have ten years of experience in the manufacture of bleachers; welders must be AWS certified.

C. Source Quality Control: Mill Test Certification

1.03 Warranty

A. National Recreation Systems, Inc. warrants its portable bleachers to be free from all defects in materials and workmanship for a period of one year under normal use.

1. Warranty period shall begin on date of completed installation for projects installed by National Recreation Systems, Inc., or its subcontractors.

2. Warranty period shall begin on date of final delivery on projects installed by others.

B. Plank extrusions shall be covered by a five year warranty against loss of structural strength or finish deterioration due specifically to exposure to varying weather conditions or ultra-violet rays. Damage resulting from abnormal use, vandalism or improper installation will render warranties above null and void. Discoloration of mill finish aluminum due to galvanic reaction is

not covered by warranty.

Part 2 - Products

2.01 Acceptable Manufacturer

A. National Recreation Systems, Inc.

2.02 Portable Bleachers

A. Production Description

1. Rise and Depth Dimensions: Vertical rise a horizontal depth per row, all units except 3 8 inches x 24 inches, seat is 17" above its respective tread. 3 row units: 6 inches x 24" seat is 16" above its respective tread.
2. Framework: Prefabricated aluminum or gal steel angle or aluminum square tube bleachers are spaced at 6' intervals and joined by angle braces.
3. Seats: Nominal 2" x 10" clear anodized (AA-M10C22A31) aluminum plank with 2" end caps.
4. Treads: Nominal 2" x 10" mill finish aluminum plank with end caps.
5. Risers:
 - a. 1" x 6" (or 2" x 4" for 3 row models) mill finish aluminum plank for all applicable row top row.
 - b. Top row riser to be 2" x 10" mill finish aluminum. Riser planks beginning under seats when aisles are not included, or under seat non-elevated with aisles and for all elevated bleachers.
6. Joint Sleeve Assembly: Included on large units to maintain true alignment in joining two planks together.
7. Entry Stairs: On elevated units, frames shall be constructed of aluminum angle supports with mill finish aluminum treads and anodized aluminum handrail pipe.
8. Front walkway height to be 36", width to be (7) 2" x 10" mill finish plank (63" clear width) 1" x 6" toeboard. Other widths, and heights (18", 24", 30", 42" & 48") optional for elevated systems.
9. Aisles to be 48"- 60" wide, with mid-aisle handrail (36" wide at end aisles with handrail at side

10. Handicap seating and ramps, optional, per local code or ADA.
11. Ground sills (2" x 6" treated lumber) optional.
12. Guardrail: Rails shall be anodized aluminum plugs and elbows where required. All rails secured to angle supports with galvanized pipe. All top rails at sides, rear & front shall be 4" diameter. Rear and side rails shall extend down to the ground on non-elevated units, and to the 1st row of elevated systems.

Guardrail System: Chainlink fencing, 9 gauge mesh, with additional pipe at bottom to close triangular opening to less than 4" between seat, foot and handrails.

B. Materials/Finishes

1. Framework:

- a. Galvanized Steel: Structural fabrication with ASTM-A36 steel. After fabrication all steel shall be hot-dipped galvanized to ASTM-A123 specification.
- b. Aluminum: Structural fabrication with aluminum alloy 6061-T6, or mechanically equivalent.

2. Extruded Aluminum

- a. Seat Planks: Extruded aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.
- b. Tread Planks, Riser Planks: Extruded aluminum alloy 6063-T6, mill finish.
- c. Joint Sleeve Assembly: Extruded aluminum alloy 6063-T6, mill finish.

3. Accessories:

- a. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.
- b. Hardware: Bolts, Nuts, Hot dipped galvanized.
- c. Hold-Down Clip Assembly: Aluminum alloy 6063-T6, mill finish.
- d. Guardrail: Aluminum Pipe: 1.66 O.D., schedule 40 Aluminum alloy 6105-T5, clear anodized AA-M10C22A31, Class II.

C. Fabrication:

1. Design Load:

- a. Uniform Load Structure: 100 psf.
- b. Uniform Load Seat and Tread Plank: 120 psf.
- c. Lateral Sway Load: 24 plf seat plank.
- d. Perpendicular Sway Load: 10 plf seat plank.

HOME



"THE BEST SEAT IN THE HOUSE"

- Low Rise Bleachers**
- Standard Bleachers**
- Preferred Bleachers**
- Deluxe Bleachers**
- Elevated Bleachers**
- Tip N' Roll Bleachers**
- Transport Bleachers**
- Bleacher Features**

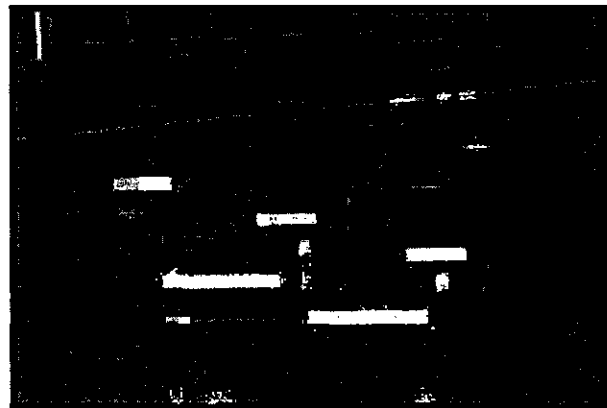
Our "Preferred" non-elevated aluminum bleachers provide quality construction at an affordable price. 3 Row models are under 30", therefore most building codes do not require guard rail. All "Preferred" bleachers 5 rows and higher include riser plate under seat row 4 and above, plus chain link guardrail to close all spaces over 30" above grade to less than a 4" opening.

Replacement Seating

- Benches**
- Picnic Tables**

- Seating Plans 1**
- Seating Plans 2**
- Dimensions**
- Architectural Spec's**

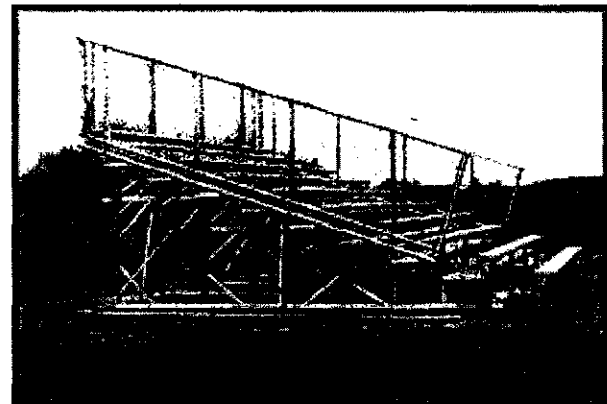
National Recreation Systems, Inc.
 5120 Investment Drive
 Fort Wayne, IN 46808
 888-568-9064
 260-482-6023
 260-482-7449 fax



3 Row Preferred



5 Row Preferred



10 Row Preferred

Anodized aluminum seat planks, mill finish aluminum foot & riser planks, all-aluminum guardrail with chain link and your choice of aluminum or galvanized steel framewor

All bleachers should be anchored to resist wind loads. Contact us for details.

All "Preferred" bleachers include (2) mill finish 2" x 10" foot pl
Most codes (UBC, SBC, BOCA, NFPA, IBC) require 2 foot pl

Ordering Information

MACK

PREFERRED MODELS WITH ALUMINUM UNDER'S	ROWS	LENGTH	NET SEATS
NB-0307.5APRF	3	7' 6"	15
NB-0312APRF	3	12'	24
NB-0315APRF	3	15'	30
NB-0321APRF	3	21'	42
NB-0324APRF	3	24'	48
NB-0327APRF	3	27'	54
NB-0515APRF	5	15'	50
NB-0518APRF	5	18'	60
NB-0521APRF	5	21'	70
NB-0524APRF	5	24'	80
NB-0527APRF	5	27'	90
NB-0530APRF	5	30'	100
NB-0815APRF	8	15'	80
NB-0818APRF	8	18'	96
NB-0821APRF	8	21'	112
NB-0824APRF	8	24'	128
NB-0827APRF	8	27'	144
NB-0830APRF	8	30'	160
NB-1015APRF	10	15'	100
NB-1018APRF	10	18'	120
NB-1021APRF	10	21'	140
NB-1024APRF	10	24'	160
NB-1027APRF	10	27'	180
NB-1030APRF	10	30'	200

PREFERRED MODELS WITH GALVANIZED STEEL UNDER'S	ROWS	LENGTH	NET SEATS
NB-0307.5GPRF	3	7' 6"	15
NB-0312GPRF	3	12'	24
NB-0315GPRF	3	15'	30
NB-0321GPRF	3	21'	42
NB-0324GPRF	3	24'	48
NB-0327GPRF	3	27'	54
NB-0515GPRF	5	15'	50
NB-0518GPRF	5	18'	60
NB-0521GPRF	5	21'	70

THE MASSACHUSETTS STATE BUILDING CODE

1012.7.1 Width: In addition to the width required by 780 CMR 1012.2, *aisle accessways* shall provide a minimum of 12 inches (305 mm) plus 0.5 inch (13 mm) of width for each additional 1 foot (305 mm), or fraction thereof, beyond 12 feet (3660 mm) of *aisle accessway* length measured from the center of the seat farthest from an aisle.

Exception: Portions of an *aisle accessway* having a length not exceeding six feet (1830 mm) and used by a total of not more than four persons.

1012.7.2 Length: The length of travel along the *aisle accessway* shall not exceed 36 feet (10973 mm) from any seat to the closest aisle. The path of travel shall not exceed 30 feet (9144 mm) from any seat to the point where a person has a choice of two or more paths of travel to separate *exits*.

1012.8 Railings: Railings shall be provided on balconies and galleries in accordance with 780 CMR 1021.4.

780 CMR 1013.0 GRANDSTANDS

1013.1 Scope: 780 CMR 1013.0 shall apply to all structures with an occupancy in Use Group A which provide permanent, temporary or portable tiered or stepped seating facilities, such as *grandstands*, *bleachers*, folding and telescopic seating. Except as modified by 780 CMR 1013.0, 780 CMR 1012.0 shall apply to all such structures.

1013.2 Smoke-protected assembly seating: Assembly seating which is served by a *means of egress* that is not subject to blocking by smoke accumulation within or under a structure shall be considered smoke protected and shall comply with the requirements of 780 CMR 1013.2.1 through 1013.2.3.

1013.2.1 Roof height: A smoke-protected assembly seating area with a roof shall have the lowest portion of the roof not less than 15 feet (4572 mm) above the highest aisle or *aisle accessway*.

1013.2.2 Automatic sprinklers: All areas enclosed with walls and ceilings in structures containing smoke-protected assembly seating shall be equipped throughout with an *automatic sprinkler system* in accordance with 780 CMR 906.0.

Exception: An *automatic sprinkler system* is not required for either of the following:

1. The floor area used for a contest, performance or entertainment provided that the roof construction is more than 50 feet (15240 mm) above the floor level and the use of the floor is restricted to low fire-hazard occupancies.
2. Press boxes and storage facilities less than 1,000 square feet (9.3 m²) in area in conjunction with outdoor seating facilities

where all *means of egress* in the seating area are essentially open to the outside.

1013.2.3 Smoke control: All *means of egress* serving a smoke-protected assembly seating area shall be provided with a smoke control system complying with 780 CMR 921.0 or natural *ventilation* designed to maintain the smoke level at least six feet (1829 mm) above the floor of the *means of egress*.

1013.3 Travel distance: The *exit access* travel distance shall comply with 780 CMR 1006.5 except that in a smoke-protected assembly seating area, the travel distance from each seat to the nearest entrance to an egress vomitory portal or egress concourse shall not exceed 200 feet (60960 mm). The travel distance from the entrance to a vomitory portal or egress concourse to an approved egress stair, ramp or walk at the building exterior shall not exceed 200 feet (60960 mm). Where aisles are required, the distance shall be measured along the aisles and *aisle accessways* without travel over or on the seats.

1013.4 Minimum egress widths: The minimum clear width of *stairways*, passageways, doorways, ramps and other *means of egress* shall provide sufficient capacity in accordance with the provisions of 780 CMR 10, except as modified by Table 1013.4.

**Table 1013.4
MINIMUM EGRESS WIDTHS
SMOKE-PROTECTED ASSEMBLY
SEATING**

Number of seats in the space	Inches ^b of clear width per seat served			
	Stairs with handrails ^a within 30 inches	Stairs without handrails ^a within 30 inches	Aisles, accessways, doorways and ramps not steeper than 1 in 10 slope	Ramps steeper than 1 in 10 slope
2,000 or less	0.300	0.375	0.200	0.220
5,000	0.200	0.250	0.150	0.165
10,000	0.130	0.165	0.100	0.110
15,000	0.096	0.120	0.070	0.077
20,000	0.076	0.095	0.056	0.066
25,000 or more	0.060	0.075	0.044	0.048

Note a. If risers exceed 7 inches in height, the minimum clear width of stairs determined from the table shall be multiplied by factor A where $A = 1 + [(Riser Height - 7.0) \div 5]$.

Note b. 1 inch = 25.4 mm.

1013.5 Aisles: Aisles shall be provided in all seating facilities except that an aisle is not required where all of the following conditions exist.

1. Seats are without backrests.
2. The rise from row to row does not exceed six inches (152 mm) per row.

3. The row spacing does not exceed 28 inches (711 mm) unless the seatboards and footboards are at the same elevation.
4. The number of rows does not exceed 16 in height.
5. The first seatboard is not more than 12 inches (305 mm) above the ground, floor surface or cross aisle below.
6. Seatboards have a continuous flat surface.
7. Seatboards provide a walking surface with a minimum width of 11 inches (279 mm).
8. Egress from seating is not restricted by rails, guards or other obstructions.

1013.5.1 Termination: Where seats are without backrests, dead ends in vertical aisles shall not exceed a distance of 16 rows. For smoke-protected assembly seating, the dead ends in vertical aisles shall not exceed a distance of 21 rows. For smoke-protected assembly seating, a longer dead-end aisle is permitted where seats served by the dead-end aisle are not more than 40 seats from another aisle, measured along a row of seats having an *aisle accessway* with a minimum clear width of 12 inches (305 mm) plus 0.3 inch (8 mm) for each additional seat above seven in the row.

1013.5.2 Row width: For smoke protected assembly seating, the maximum number of seats in a row that has a minimum clear aisle accessway width of 12 inches (305 mm) shall be as specified in Table 1013.5.2.

Where the number of seats per row exceeds that specified in Table 1013.5.2, the minimum clear aisle accessway width for rows served by aisles or doorways at both ends shall be 12 inches (305 mm) plus 0.3 inch (7.5 mm) for every additional seat beyond that specified in Table 1013.5.2 and there shall be not more than 100 seats per row; and for rows served by an aisle or doorway at only one end of the row, the minimum clear *aisle accessway* width shall be 12 inches (305 mm) plus 0.6 inch (15 mm) for every additional seat beyond that specified in Table 1013.5.2.

**Table 1013.5.2
ROW LENGTH WITH 12-INCH AISLE
ACCESSWAY SMOKE-PROTECTED
ASSEMBLY SEATING**

Total number of seats in the space	No. Of seats per row permitted to have a minimum 12-inch clear width aisle accessway	
	Aisle or doorway at both ends of row	Aisle or doorway at one end of row
Less than 4,000	14	7
4,000	15	7
7,000	16	8
10,000	17	8
13,000	18	9
16,000	19	9
19,000	20	10
22,000 or more	21	11

Note a. 1 inch = 25.4 mm.

1013.5.3 Single access row: For rows of seating served by an aisle or doorway at only one end of the row in smoke-protected assembly seating, the *common path of travel* from any seat to a point where a person has a choice of two directions of egress travel shall not exceed 50 feet (15240 mm).

1013.6 Bleacher footboards: *Bleacher* footboards shall be provided for all rows of seats above the third row or beginning at such a point where the seatboard is more than two feet (610 mm) above the ground, floor surface or cross aisle below. A separate footboard is not required where the same platform is used for both seating and the footboard, provided that each level or platform is not less than 24 inches (610 mm) wide. On a horizontally projected plane, horizontal gaps between footboards and seatboards shall not exceed 1/4 inch (6 mm). Openings between footboards and seatboards which are located more than 30 inches (762 mm) above the floor or grade below shall be provided with intermediate construction such that a sphere with a diameter of four inches (102 mm) cannot pass through the opening.

1013.7 Spaces underneath seats: Spaces underneath *grandstand* seats shall be kept free of all combustible and *flammable* materials and shall not be occupied or used for other than *exits*, except that where enclosed in not less than one-hour fire-resistance rated construction, the code official shall approve the use of such spaces for other purposes, provided that the safety of the public is not endangered.

780 CMR 1014.0 STAIRWAYS

1014.1 General: All *stairways* shall comply with the provisions of 780 CMR 1014.0. 780 CMR 1014.11 shall be applicable only to interior *stairways*. 780 CMR 1014.12 shall be applicable only to exterior *stairways*.

1014.1.1 Walking surface: The maximum slope of the walking surface of treads and landings shall be one unit vertical in 48 units horizontal (1:48).

1014.2 Egress capacity: The egress capacity of *stairways* and doors shall be computed in accordance with 780 CMR 1009.0.

1014.3 Width: All *means of egress stairways* shall not be less than 44 inches (1118 mm) in width.

Exceptions:

1. *Stairways* serving buildings of single-exit construction where permitted by 780 CMR 1010.3 shall not be less than 36 inches (914 mm) in width.
2. Spiral *stairways* as provided for in 780 CMR 1014.6.4.

PERMIT

Inspector of Buildings Date

POST IN A CONSPICUOUS PLACE



TOWN OF READING

DEPARTMENT OF COMMUNITY DEVELOPMENT
INSPECTIONS DIVISION
(617) 942-9013

TOWN HALL, 16 LOWELL STREET
READING, MASSACHUSETTS 01867

No 05642

INSPECTION OF BUILDINGS

OFFICE OF THE INSPECTOR OF BUILDINGS
MUNICIPAL BUILDING, READING 11-NOV-95

005642

This may certify that TOWN OF READING
has permission for COMMERCIAL ALTERATIONS COMMERCIAL BLDG
property at SYMONDS WAY READING, MA 01867

provided that the person accepting this permit shall in every
respect conform to the terms of the application therefore on file
in this office, and to the provisions of the Statutes and By-Laws
relating to the Inspection, Location, Alteration, and Construction
of Buildings in the Town of Reading, and Mass State Building codes.

Permit Purpose INTERIOR ALTERATIONS/EQUIPMENT CAGE
UNDER BLEACHERS

Fee .00

C. Helen Redwood
Inspector of Buildings

MINIMUM INSPECTIONS REQUIRED:

FTGS FORMED _____
FDTN COMPLETE _____
FRAME _____
INSULATION _____
WALLBOARD _____
FINAL _____

PLUMBING _____
GAS _____
WIRING _____
FIRE DEPT _____
CONSERVATION _____

CERTIFICATE OF OCCUPANCY:

This certifies that the permitted work cited
above complies with applicable zoning by-laws
and State Building and Mechanical Codes.
Occupancy is not valid without the signature
below and ceases to be valid if any further
changes are made to the premises.

PLUMBING _____
GAS _____
WIRING _____
FIRE DEPT _____
CONSERVATION _____
PLANNING _____

Peter Seibold

DBA TWIN FENCE CO. II

118 Main Street • No. Reading, MA 01864 • 508-664-0119

Sale Agreement Fully Insured

DATE 11 / 8 / 95

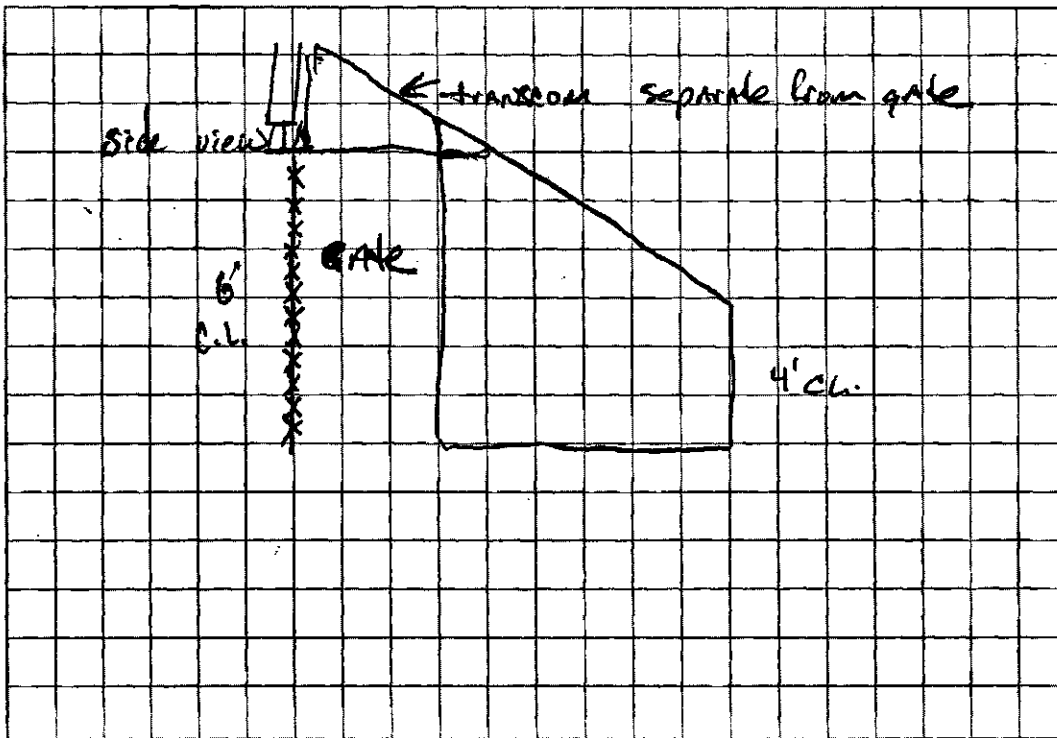
NAME <u>Reading Rec Dept</u>		SHIP TO <u>Burbank Arena</u>		STREET	
STREET		CITY		STATE	
CITY <u>Reading</u>		STATE <u>MA</u>		ZIP CODE <u>01867</u>	
INSTALLATION TELEPHONE NOTIFICATION		HOME PHONE		BUSINESS PHONE <u>942-9065</u>	

ON YOUR PROPERTY IN ACCORDANCE WITH QUANTITIES AND LAYOUT SHOWN BELOW

QUANTITY	DESCRIPTION	UNIT	TOTAL
1-8x7	Reading United Soccer Storage #1		545.-
1-8x7	Reading Youth Baseball Storage #2		545.-
1-15x7	Reading Pop Warner Storage #3		1000.- 1000.-
1-8x7	Reading Senior/Police Ruth Storage #4		560.-
9 Gauge Chain Link using 1 5/8 top rail 2 1/2" Terminal Posts 2" line posts gates made of 1 5/8 framing Floor flanges welded to bottom of posts			
DEPOSIT	pipe to follow contour of bleachers welded frame	TOTAL SALE	2672.-
BALANCE On Completion		TAX	
TERMS		TOTAL	

ONE HALF WITH ORDER BALANCE ON COMPLETION

LAYOUT — INDICATE ON LAYOUT PICKET FACING ON EACH LINE OF FENCE.



CHECK LIST

<input type="checkbox"/>	CLEAR FENCE LINE
<input type="checkbox"/>	TREE/STUMPS IN FENCE LINE
<input type="checkbox"/>	TAKE DOWN EXISTING FENCE STACK
<input type="checkbox"/>	BUILD SECTIONS ON JOB
<input type="checkbox"/>	TOP OF FENCE TO FOLLOW GROUND
<input type="checkbox"/>	RACK SECTIONS
<input type="checkbox"/>	STEP SECTIONS
<input type="checkbox"/>	CURVE SECTIONS
<input type="checkbox"/>	FACE FINISH SIDE
<input type="checkbox"/>	BARB TOP - KNUCKLE TOP
<input type="checkbox"/>	UNDERGROUND PIPES OR CABLES
<input type="checkbox"/>	BRING COMPRESSOR
<input type="checkbox"/>	GATE SCALLOPED
<input type="checkbox"/>	GATE STRAIGHT
<input type="checkbox"/>	ERECTING CONDITIONS
<input type="checkbox"/>	GALVANIZED OR VINYL
<input type="checkbox"/>	TAKE AWAY OLD FENCE

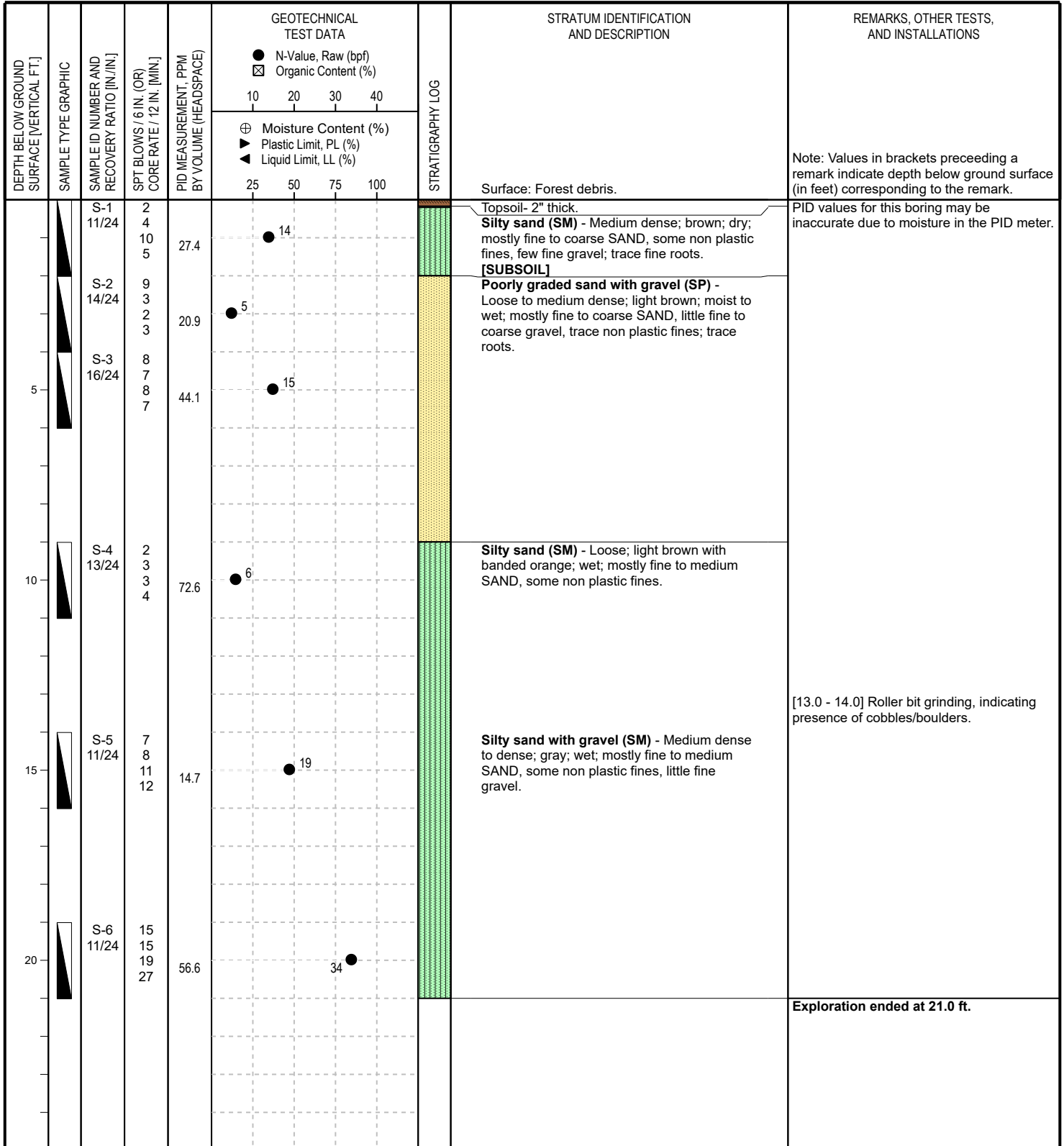
All quotations subject to conditions beyond our control. CUSTOMER IS RESPONSIBLE FOR ESTABLISHING PROPERTY LINES AND FENCE LINES and for conforming w zoning by-laws. This quotation does not include costs met in extraordinary conditions — striking ledge which may require the cementing of posts or the use of a compressor for and pinning posts, or clearing trees, brush, or other obstructions from the working area. This contract embodies the entire understanding between the parties, and there are no agreements or representations in connection therewith.

BY

ACCEPTED BY

ATTACHMENT C
FIELD DOCUMENTATION

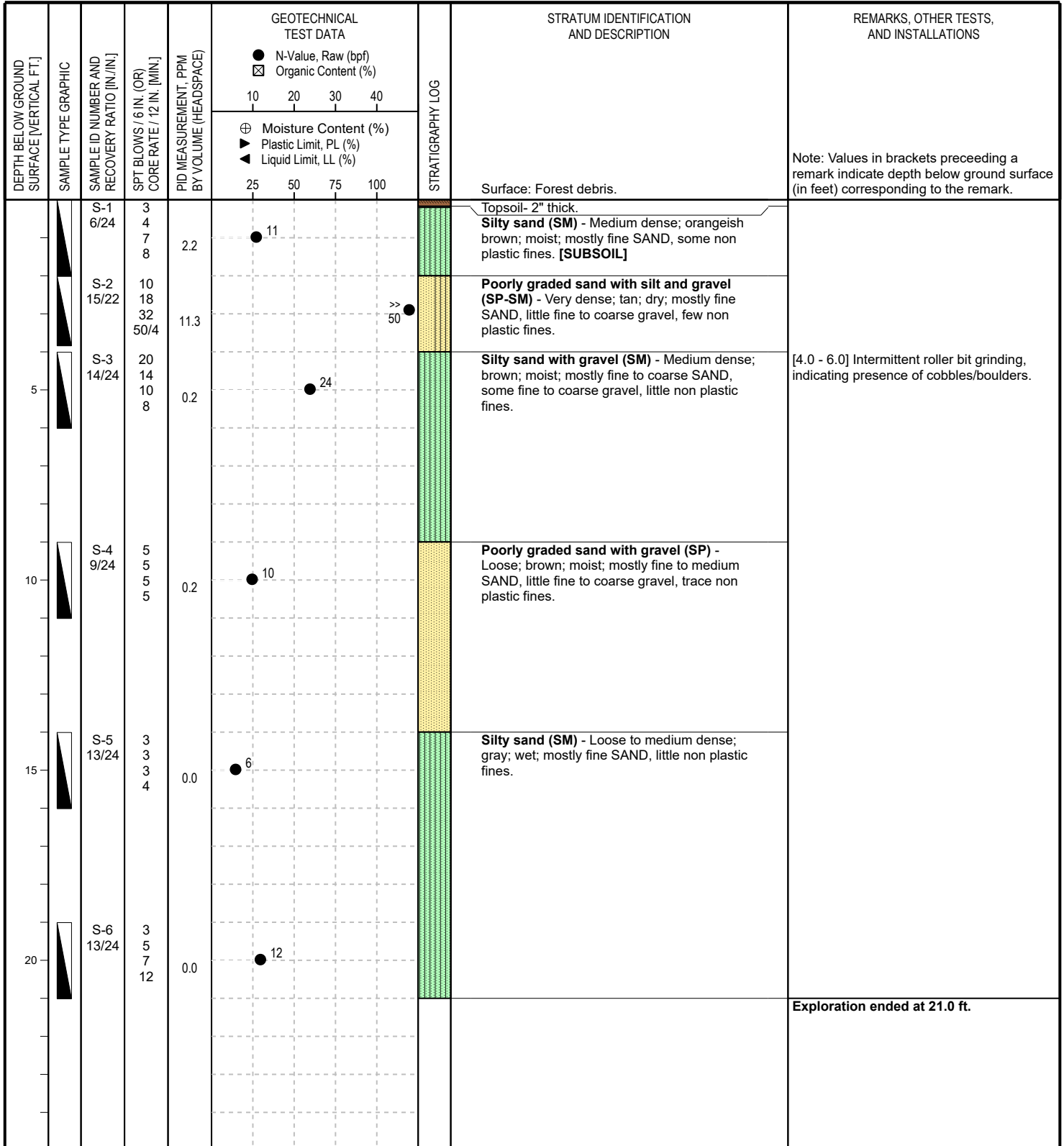
CONTRACTOR: NE Boring Contractors, Inc.	BORING LOCATION: See Attached Figure	DATE START: July 8, 2022
FOREMAN: Walter Hoeckele	ADVANCE METHOD: Rotary Wash Drilling	DATE FINISH: July 8, 2022
LOGGED BY: N. King	AUGER DIAMETER: N/A	GROUND EL: Not Available
CHECKED BY: H. Flores, PE	SUPPORT CASING: Driven Flush-Joint Casing (4" ID)	FINAL DEPTH: 21.0 ft.
EQUIPMENT: All-Terrain Drill Rig	CORING METHOD: N/A	GRID COORDS: N:3022239.0520 / E:767637.3630
SPT HAMMER: Automatic (140-lb.)	BACKFILL MATERIAL: Drill Cuttings	GRID SYSTEM: N/A



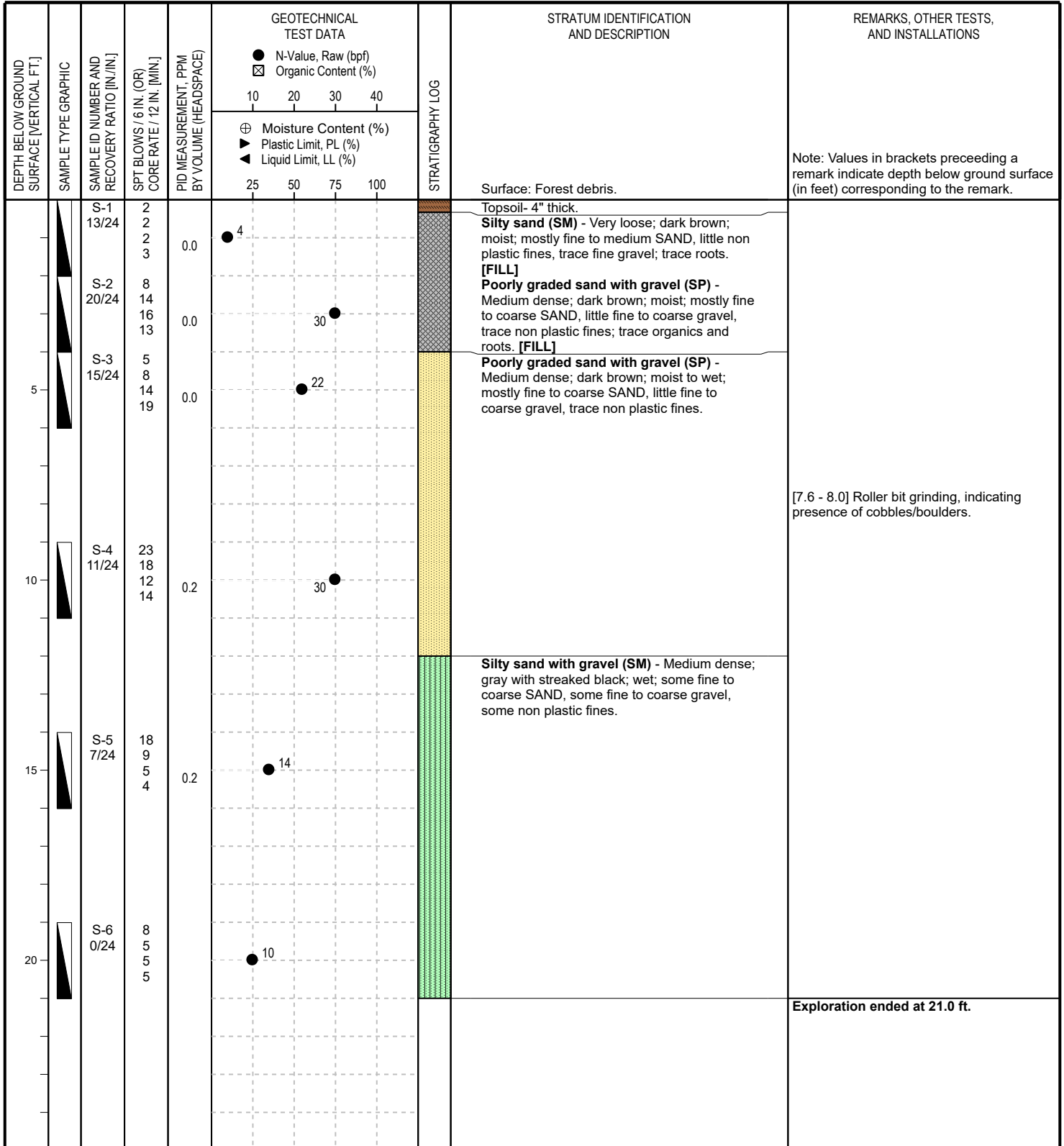
CONTRACTOR: NE Boring Contractors, Inc.	BORING LOCATION: See Attached Figure	DATE START: July 8, 2022
FOREMAN: Walter Hoeckele	ADVANCE METHOD: Rotary Wash Drilling	DATE FINISH: July 8, 2022
LOGGED BY: N.King	AUGER DIAMETER: N/A	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	SUPPORT CASING: Driven Flush-Joint Casing (4" ID)	FINAL DEPTH: 21.0 ft.
EQUIPMENT: All-Terrain Drill Rig	CORING METHOD: N/A	GRID COORDS: N:3022167.2980 / E:768020.9490
SPT HAMMER: Automatic (140-lb.)	BACKFILL MATERIAL: Drill Cuttings	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA				STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	REMARKS, OTHER TESTS, AND INSTALLATIONS
					● N-Value, Raw (bpf)	☒ Organic Content (%)	⊕ Moisture Content (%)	▼ Plastic Limit, PL (%)			
					10	20	30	40		Surface: Forest debris.	
					25	50	75	100		Topsoil- 12" thick.	Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
		S-1 12/24	2 3 3 4	95.3					● 6	Poorly graded sand (SP) - Medium dense; dark brown; moist; mostly fine to coarse SAND, few fine to coarse gravel, trace non plastic fines.	PID values for this boring may be inaccurate due to moisture in the PID meter.
		S-2 16/24	8 9 12 12	55.0					● 21		
		S-3 21/24	12 12 11 10	25.2					● 23	Silty sand (SM) - Medium dense to loose; gray; moist; mostly fine SAND, little non plastic fines.	
		S-4 17/24	2 3 3 5	32.5					● 6		
		S-5 0/24	7 7 7 6							No Recovery	
		S-6 10/24	22 24 20 20	27.6					● 44	Well graded sand with silt and gravel (SW-SM) - Dense; dark gray; moist; mostly fine to coarse SAND, some fine to coarse gravel, few non plastic fines.	[18.5 - 19.0] Roller bit grinding, indicating presence of cobbles/boulders.
											Exploration ended at 21.0 ft.

CONTRACTOR: NE Boring Contractors, Inc.	BORING LOCATION: See Attached Figure	DATE START: July 8, 2022
FOREMAN: Walter Hoeckele	ADVANCE METHOD: Rotary Wash Drilling	DATE FINISH: July 8, 2022
LOGGED BY: N.King	AUGER DIAMETER: N/A	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	SUPPORT CASING: Driven Flush-Joint Casing (4" ID)	FINAL DEPTH: 21.0 ft.
EQUIPMENT: All-Terrain Drill Rig	CORING METHOD: N/A	GRID COORDS: N:3022398.4420 / E:768188.2640
SPT HAMMER: Automatic (140-lb.)	BACKFILL MATERIAL: Drill Cuttings	GRID SYSTEM: N/A



CONTRACTOR: NE Boring Contractors, Inc.	BORING LOCATION: See Attached Figure	DATE START: July 8, 2022
FOREMAN: Walter Hoeckele	ADVANCE METHOD: Rotary Wash Drilling	DATE FINISH: July 8, 2022
LOGGED BY: N.King	AUGER DIAMETER: N/A	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	SUPPORT CASING: Driven Flush-Joint Casing (4" ID)	FINAL DEPTH: 21.0 ft.
EQUIPMENT: All-Terrain Drill Rig	CORING METHOD: N/A	GRID COORDS: N:3022583.0530 / E:768378.9810
SPT HAMMER: Automatic (140-lb.)	BACKFILL MATERIAL: Drill Cuttings	GRID SYSTEM: N/A



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 7.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022121 ± / E:767867 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Forest Mat - 12" thick. 3'-diameter boulder near ground surface		
	G	0.0		Silty sand with gravel (SM) - Brown and dark brown; dry; mostly fine to medium SAND, little fine to coarse gravel, little non plastic fines; occasional cobbles; trace roots down to the bottom of the test pit.		
5					-5	Exploration ended at 5.5 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.0 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022180 ± / E:767872 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Forest Mat - 6" thick. 1.5'-diameter boulder near ground surface		
	G	0.0		Silty sand with gravel (SM) - Brown; moist; some fine to medium SAND, some fine to coarse gravel, little non plastic fines; trace cobbles; trace roots; trace debris (bricks, bottles, metal strips). [FILL]		
5	G	0.0		Poorly graded sand (SP) - Light brown; moist; mostly fine to medium SAND, trace non plastic fines; loose soil consistency estimated based on excavation.	-5	
						Exploration ended at 5.0 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N,King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 4.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022274 ± / E:768019 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 9" thick.		
	G	0.0		Silty sand with gravel (SM) - Tan to light brown; dry; some fine to coarse SAND, some fine to coarse gravel, little non plastic fines; transition of color noted at 1.5 feet with orange staining.		
	G	0.0		Poorly graded sand with gravel (SP) - Brown; dry; mostly fine to coarse SAND, some fine to coarse gravel, trace non plastic fines.		
5					-5	Exploration ended at 4.5 ft.


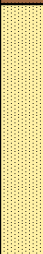



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: Slow Seepage at 4.0 ft.	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 4.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022225 ± / E:768117 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 2' thick; numerous root up to 0.5" in diameter.		
	G	0.0		Poorly graded sand with gravel (SP) - Brown to tan; moist; mostly fine to medium SAND, some fine to coarse gravel, few non plastic fines; trace roots.		
	G	1.5		Well graded sand with gravel (SW) - Brown; wet; mostly fine to coarse SAND, some fine to coarse gravel, trace non plastic fines.		
5					-5	Exploration ended at 4.5 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.0 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022452 ± / E:768310 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 9" thick.		
	G			Poorly graded sand with gravel (SP) - Light brown; dry; mostly fine to medium SAND, some fine to coarse gravel, trace non plastic fines; common cobbles; trace roots.		
		0.5		Poorly graded gravel with sand (GP) - Dry; mostly coarse GRAVEL, some fine to coarse sand; nestled cobbles and boulders up to 18" in diameter.		
5					-5	Exploration ended at 5.0 ft.





CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.5 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022551 ± / E:768350 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
				Topsoil- 6" thick.		
	G	0.0		Silty sand with gravel (SM) - Brown; dry; some fine to medium SAND, some fine to medium gravel, little non plastic fines; trace roots.		
	G	0.0		Silty sand (SM) - Light brown; dry; mostly fine to medium SAND, some non plastic fines; trace roots.		
5	G	0.0		Poorly graded sand with gravel (SP) - Brown; dry; mostly fine to coarse SAND, little fine to coarse gravel, trace non plastic fines.	-5	
						Exploration ended at 5.5 ft.



CONTRACTOR: NE Boring Contractors, Inc.	TEST PIT LOCATION: See Attached Figure	DATE START: July 7, 2022
OPERATOR: Mike Misiaszek	PLAN DIMENSIONS: Length: 6.0 ft. , Width: 3.0 ft.	DATE FINISH: July 7, 2022
LOGGED BY: N.King	SEEPAGE REMARKS: No Seepage Observed	GROUND EL: Not Available
CHECKED BY: H.Flores, PE	CAVING REMARKS: No Caving Observed	FINAL DEPTH: 5.0 ft.
EQUIPMENT: Hydraulic Excavator, Large	BACKFILL MATERIAL: Excavated Soil	GRID COORDS: N:3022414 ± / E:768174 ±
BUCKET TYPE: Toothed, 36-in. (10.6 cubic-ft.)	OTHER COMMENTS:	GRID SYSTEM: N/A

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
				Surface: Forest debris.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
	G	1.5		Silty sand with gravel (SM) - Dark brown; moist; mostly fine to medium SAND, some non plastic fines, little fine to medium gravel; common cobbles; common brick; trace electrical wire; common roots. [FILL]		
	G	0.5		Poorly graded gravel with sand (GP) - Tan; dry; mostly fine to coarse GRAVEL, some fine to coarse sand, trace non plastic fines.		
5					-5	Exploration ended at 5.0 ft.

