

Request for Determination of
Applicability: Phillips Road/Church
Street at Route 140, Eversource Gas
Main Project
New Bedford, Massachusetts

APRIL 2022

PREPARED FOR

NSTAR Gas dba Eversource Energy

PREPARED BY

SWCA Environmental Consultants



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

1900 West Park Drive, Suite 280
Westborough, Massachusetts 01581
Tel 413.256.0202
www.swca.com

April 6, 2022

New Bedford Conservation Commission
133 William St #312
New Bedford, MA 02740

**Re: Eversource Philips Road/Church Street Gas Main Project, New Bedford, MA
Request for Determination of Applicability
SWCA Project #: 59850**

Dear Commissioners,

On behalf of Eversource Energy (Eversource), SWCA Environmental Consultants (SWCA) is providing the enclosed Request for Determination of Applicability (RDA) for the installation of a portion of a natural gas distribution main at the interchange of Church Street and Route 140 in New Bedford, Massachusetts. This work will require workspace associated with the installation of the gas main via jack and bore methods beneath Route 140 within the 100-foot buffer zone of a highway drainage swale wetland.

The remaining portions of the proposed project, consisting of 3.7 miles of gas main installation within Phillips Road and Church Street, are located entirely within existing paved roadways and therefore have been submitted separately to the New Bedford Conservation Commission under a courtesy utility notification letter under 310 CMR 10.02(2)(a)(2) and 310 CMR 10.02(2)(b)2.i.

All work will be performed in a manner aimed to reduce the potential for any adverse impacts on resource areas during construction. Post-construction measures will also be implemented to stabilize any disturbed areas. Eversource will install and maintain Best Management Practices (BMPs) to protect regulated resource areas, including straw wattles, silt fence, and catch basin Siltsacks where appropriate.


A stormwater pollution prevention plan (SWPPP) has been prepared in accordance with the National Pollution Discharge Elimination System (NPDES) Construction General Permit (CGP). As part of the requirements of the CGP, an environmental compliance monitor will continue to conduct environmental contractor training and perform compliance inspections and reporting weekly and following storm events of 0.25-inch or more of precipitation. This will ensure implementation and maintenance of BMPs during construction, and site restoration following construction.

As part of this RDA, **SWCA respectfully requests relief from the local requirement for property owner signatures / proof of ownership.** The activities proposed under this RDA are located entirely within property owned by the Massachusetts Department of Transportation (MassDOT) and receipt of a signature from their office will not be feasible. However, Eversource

has applied for an access permit from MassDOT for the proposed work, which will be issued upon their receipt of all environmental authorizations.

Please contact us at our office with any questions regarding this letter or associated materials provided.

Sincerely,

A handwritten signature in blue ink that reads "Rebecca Weissman". The signature is written in a cursive style with a large, sweeping initial "R".

Rebecca Weissman, PWS
Senior Office Lead
SWCA Environmental Consultants

**REQUEST FOR DETERMINATION OF APPLICABILITY:
PHILLIPS ROAD/CHURCH STREET AT ROUTE 140
EVERSOURCE GAS MAIN PROJECT**

Prepared for

NSTAR Gas dba Eversource Energy
247 Station Drive
Westwood, MA 02090

SWCA Environmental Consultants
1900 West Park Drive, Suite 280
Westborough, MA 01581
(413) 658-2027
www.swca.com

SWCA Project No. 59850.00

April 2022

CONTENTS

1	Introduction	1
2	Existing Conditions	1
2.1	Regulated Resource Areas.....	2
2.1.1	Isolated Vegetated Wetland (IVW)	2
2.1.2	100-foot Buffer Zone to IVW	2
2.2	Other Environmental Constraints	3
2.2.1	Priority and Estimated Habitats of Rare Species	3
2.2.2	Areas of Critical Environmental Concern.....	3
2.2.3	Outstanding Resource Areas.....	3
3	Proposed Project.....	3
3.1	Project Description	3
3.2	Erosion and Sediment Control and Best Management Practices	4
4	Summary	4
5	References Cited/Literature Cited.....	4

Appendices

- Appendix A. WPA Form 1, Local Fee Calculation Form and Copies of Checks
- Appendix B. Figures
- Appendix C. Site Photographs
- Appendix D. Erosion & Sedimentation Controls
- Appendix E. Abutters Information

1 INTRODUCTION

On behalf of NSTAR Gas dba Eversource Energy (Eversource), SWCA Environmental Consultants (SWCA) has prepared this Request for Determination of Applicability (RDA) application for the installation of approximately 110 linear feet (lf) of natural gas distribution main via conventional bore methods at the intersection of Phillips Road/Church Street and Route 140 in New Bedford, Massachusetts (the Project). Specifically, the proposed work would be performed in a portion of 100-foot Buffer Zone to an Isolated Vegetated Wetland (IVW) adjacent to the intersection of Church Street and the Northbound Exit Ramp for Route 140 (the Site). Tree removal would be involved as part of preparing the workspace. A completed “WPA Form 1” is included in Appendix A as well as copies of the checks for the advertisement fee. Figure 1 (see Appendix B) depicts the extent of the Project on an U.S. Geological Survey (USGS) topographic map.

The proposed work is part of a larger ongoing exempt utility project consisting of installing two parallel 3.7-mile natural gas distribution mains along Phillips Road and Church Street in New Bedford to replace an existing 12-inch gas main. A majority of this project is outside all regulated resource areas and buffer zones or is considered an exempt activity under 310 CMR 10.02(2)(a)(2) and 310 CMR 10.02(b)(2). SWCA sent notification letters to the New Bedford Conservation Commission on April 14, 2021 and March 29, 2022 that explain this utility exemption.

A portion of the Project route does not meet the utility exemption, as it is proposed off the existing paved roadway within the 100-foot Buffer Zone to IVW. The proposed work described in this RDA involves installing approximately 110-lf of a 16-inch steel natural gas main and clearing a portion of trees within the 100-foot Buffer Zone to IVW. The new gas main route off the existing paved roadway is within a wooded area adjacent to the developed interchange in proximity to Wetland 8 (see Appendix B). No direct impacts to BVW or IVW are proposed. The completion of this Project will reinforce diminished system reliability and integrity and will also lower the risk of loss of service to customers on high throughput days.

This permit application has been developed in accordance with the Massachusetts Wetlands Protection Act (M.G.L. c. 131 § 40) (WPA), its implementing regulations (310 CMR 10.00 *et seq.*), and the City of New Bedford Wetland Ordinance (Article VII). The proposed work within 100-foot Buffer Zone to IVW is not regulated under the WPA. However, the City of New Bedford Wetland Ordinance does regulate the 100-foot Buffer Zone to IVW. As described herein, Eversource will use appropriate best management practices (BMPs) to avoid long-term impacts to resource areas. Therefore, Eversource is requesting a Negative Determination that that work, as proposed in this RDA, will be located within an area subject to local regulation but will not adversely affect any resource area. Eversource also requests that the New Bedford Conservation Commission forego the requirement for including the Proof of Ownership Form as the Project is not within a private residential property, but a public roadway layout of a major highway.

Two hard copies and a digital copy of this RDA and associated documents are submitted to the New Bedford Conservation Commission (Commission). A hardcopy of the application and documents has also been sent to the Massachusetts Department of Environmental Protection (MassDEP).

2 EXISTING CONDITIONS

The proposed gas pipeline main is located within existing paved public roads and within a forested part of the property containing the interchange with Route 140. The limits of the Project are depicted on Figure 2

in Appendix B. Immediately adjacent to the roadway, the Project is bounded by a mosaic of upland vegetative communities as well as urban, residential and commercial development. Upland habitats include successional mixed forest, scrub-shrub habitat, and maintained shoulders and yards. Representative photographs of the Site and adjacent communities are included in Appendix C.

The topography of the Site is relatively level with an elevation of ± 115 -ft along the entire route. According to the Web Soil Survey (Natural Resources Conservation Service [NRCS] 2019), the Project site is located within Udorthents – Urban land Complex. This complex consists of moderately well drained to excessively drained soils that have been disturbed by cuffing or filling, and areas that are covered by buildings and pavement.

According to the Federal Emergency Management Agency (FEMA) Floodplain Insurance Rate Maps (FIRMs) (Map Nos. 250005C0379G) (FEMA 2017), the Project Site is located outside of the 100-year floodplain.

2.1 Regulated Resource Areas

SWCA reviewed multiple mapping resources available from the Massachusetts Geographic Information System (MassGIS) and others including, but not limited to, MassDEP mapped wetlands and hydrologic connections, hydrography, aerial imagery, FEMA FIRMs, USGS topographic quadrangles, potential and certified vernal pools, NRCS soils, and Natural Heritage and Endangered Species Program (NHESP) Priority and Estimated Habitats for Rare Species among others.

SWCA completed a site visit and delineation in June 2020. Two wetlands were identified adjacent to the Site. The Environmental Resources Map in Appendix B depicts the location of regulated resource areas in proximity to the Site on an aerial photograph. Representative photographs are included in Appendix C. The following sections describe the on-Site regulated resource areas.

2.1.1 Isolated Vegetated Wetland (IVW)

The boundaries of the on-site wetlands were determined in accordance with the U.S. Army Corps of Engineers (USACE) *Wetland Delineation Manual* (Environmental Laboratory 1987), *the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (Version 2.0) (USACE 2011), as well as in accordance with the WPA and 310 CMR 10.55(2)(c) and further described in MassDEP's *Delineating Vegetated Wetlands Under the Massachusetts Wetlands Protection Act* (1995). The delineated wetlands are depicted on the Environmental Resources Map found in Appendix B.

Two (W6 and W8) IVWs were identified and delineated along Route 140. Both wetlands adjacent to the Project area are roadway drainage swales that contain palustrine emergent (PEM) habitat dominated by broad-leaved cattail (*Typha latifolia*) and common reed (*Phragmites australis*).

2.1.2 100-foot Buffer Zone to IVW

The City of New Bedford Wetland Ordinance includes a 100-ft Buffer Zone associated with IVW. The 100-ft Buffer Zone within the Project area includes forested areas, paved roadway and maintained shoulder. Adjacent to the Project area, the 100-ft Buffer Zone is dominated by roadway and residential developments.

2.2 Other Environmental Constraints

2.2.1 Priority and Estimated Habitats of Rare Species

SWCA biologists reviewed available MassGIS NHESP datasets to determine if the Project is located within or near areas designated as Priority Habitats of Rare Species (MassGIS 2017a) or Estimated Habitats of Rare Wildlife (MassGIS 2017b). NHESP mapping indicates that there are no habitats of rare species mapped in proximity to the Site.

2.2.2 Areas of Critical Environmental Concern

SWCA reviewed MassGIS data layers to determine if the Project is located within any Areas of Critical Environmental Concern (ACEC). An ACEC is a designated area in Massachusetts that receives special recognition because of the quality, uniqueness, and significance of its natural and/or cultural resources. ACECs are identified so that they may be protected and maintained. SWCA determined that there are no ACECs within or near the Site.

2.2.3 Outstanding Resource Areas

SWCA reviewed MassGIS data layers to determine if the Project is located within any Outstanding Resource Waters (ORWs) (MassGIS 2010). ORWs are watershed areas that have been classified as an outstanding resource under the Massachusetts Surface Water Quality Standards as determined by their important socioeconomic, recreational, ecological, and/or aesthetic values. ORWs are identified so that they may be protected and maintained. SWCA determined that the project activities are not within ORW.

3 PROPOSED PROJECT

3.1 Project Description

The proposed Project will include the installation of a 16-inch steel natural gas main in woodlands adjacent to Route 140 to replace an existing 12-inch along Church Street. All work would take place on the interchange property. The proposed work is part of an ongoing utility gas project as described in the previously provided utility exemption notification letter. Approximately 100-lf of the gas main is proposed within the 100-foot Buffer Zone to IVW and will require tree removal to prepare the construction workspace. Installation and replacement of the existing gas main will improve system reliability and maintain reliable service to customers on high throughput days.

At the Route 140 Interchange, the proposed pipeline will be installed via jack and bore technology in order to install the pipe beneath Route 140, thereby avoiding construction-related impacts to the highway. The conventional bore will require the excavation of 15x32-foot bore pit immediately west of the Route 140 Southbound lane, and a 15x20-foot receiving pit immediately east of the Route 140 Northbound lane. Additional tree clearing, as depicted in the attached Project Plans (Appendix B), will be required to allow access, staging and workspace for equipment.

Native excavated soil is proposed as backfill for the replacement main, as appropriate. The Project does not involve any fill or discharges into regulated resource areas. Once installed, the excavation pits will be backfilled and any disturbed soils will be revegetated with a native soil seed mix and mulched with weed free straw. All existing grades will be maintained.

The Project will not impact any wetlands, therefore there are no Clean Water Act Section 401/404 approvals required. The Project is not subject to the Massachusetts Stormwater Standards because there are no proposed changes to ground surface conditions. More specifically, the Project will not result in an increase in volume or velocity of stormwater flows and will neither result in an increase in impervious area nor result in any grade changes. Additionally, the Project does not meet any of the thresholds for review under the Massachusetts Environmental Policy Act (MEPA).

3.2 Erosion and Sediment Control and Best Management Practices

Erosion control barriers consisting of staked straw/compost wattles and/or straw bales and silt fence are proposed for installation between aquatic resource areas (i.e., wetlands and streams) and the proposed ground disturbance activities. The Project Plans in Appendix B depict the locations of the sediment controls within the Project area. The erosion controls will be placed along the construction work areas to limit disturbance and prevent sediment from entering the wetland resource areas during construction. All erosion control barriers will be installed prior to any site work and will remain in place until all surfaces are stable and any disturbed soils are sufficiently vegetated. Construction debris and sediment will be kept on-site and will not be permitted to migrate beyond the project boundaries. In addition to erosion control barriers, stormwater inlet protections (e.g., filter socks) will be installed within each stormwater inlet within the Project area. On-site controls will be inspected daily during active construction, and any necessary maintenance and/or repairs will be promptly completed.

In addition to erosion and sedimentation controls, Eversource has developed best management practices (BMPs) that it instructs their construction crews and contractors to utilize. These BMPs have been developed to minimize potential adverse environmental impacts and include various mitigative measures that can be implemented on an as-needed basis according to various site conditions and construction methods. Copies of E&S controls and BMPs that may be utilized during the Project can be found in Appendix D.

4 SUMMARY

All activities will be performed in such a manner to reduce the potential for any adverse impacts to the resource areas during construction, and with post-construction measures implemented to stabilize any disturbed areas. Eversource will install and maintain erosion controls throughout construction to prevent adverse effects. In addition, environmental compliance inspectors with SWCA have been contracted by Eversource to monitor construction activities for compliance with jurisdictional resource protection and as required under the NPDES Construction General Permit. The applicant is therefore seeking a Negative Determination from the City of New Bedford Conservation Commission for this Project, as the proposed work will be located within areas subject to jurisdiction by the New Bedford Wetlands Ordinance but will not alter or impact a wetland resource area.

5 REFERENCES CITED/LITERATURE CITED

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Federal Emergency Management Agency (FEMA). 2017. Flood Insurance Rate Map (FIRM), Bristol County, Massachusetts, Map No. 250005C0379G.

Massachusetts Department of Environmental Protection (MassDEP). 1995. Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act, A Handbook. March 1995.

MassDEP. 2006. Massachusetts Wildlife Habitat Protection Guidance for Inland Wetlands. MassDEP, Bureau of Resource Protection, Wetlands and Waterways Program, Boston, MA. 19 pp.

Massachusetts Geographic Information System (MassGIS). 2009. Areas of Critical Environmental Concern. Available at <https://docs.digital.mass.gov/dataset/massgis-data-areas-critical-environmental-concern>. Accessed January 26, 2022.

MassGIS. 2010. Outstanding Resource Waters. Available at <https://docs.digital.mass.gov/dataset/massgis-data-outstanding-resource-waters>. Accessed January 26, 2022

MassGIS. 2017a. NHES Priority Habitats of Rare Wildlife. Available online at <https://docs.digital.mass.gov/dataset/massgis-data-nhosp-priority-habitats-rare-species>. Accessed January 26, 2022

MassGIS. 2017b. NHESP Estimated Habitats of Rare Wildlife. Available online at <https://docs.digital.mass.gov/dataset/massgis-data-nhosp-estimated-habitats-rare-wildlife>. Accessed January 26, 2022.

Natural Heritage and Endangered Species Program (NHESP). 2009. NHESP's Guidelines for the Certification of Vernal Pool Habitat. Available online at <https://www.mass.gov/doc/guidelines-for-the-certification-of-vernal-pool-habitat/download>. Accessed January 26, 2022.

Natural Resources Conservation Services. 2019. Web Soil Survey. Available online at <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>. Accessed January 26, 2022.

U.S. Army Corps of Engineers. 2011. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

APPENDIX A

WPA Form 1

Local Fee Calculation Form

Copy of Checks



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Eversource Gas Company of Massachusetts (EGMA) d/b/a jennifer.buttaro@eversource.com
 Eversource Energy E-Mail Address
247 Station Drive, SE270
 Mailing Address
Westwood MA 02090
 City/Town State Zip Code
781-441-3808
 Phone Number
 Fax Number (if applicable)

2. Representative (if any):

SWCA Environmental Consultants, Inc.
 Firm
Rebecca Weissman rebecca.weissman@swca.com
 Contact Name E-Mail Address
1900 West Park Drive, Suite 280
 Mailing Address
Westborough MA 01581
 City/Town State Zip Code
413-658-2027
 Phone Number
 Fax Number (if applicable)

B. Determinations

1. I request the New Bedford Conservation Commission make the following determination(s). Check any that apply:

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

New Bedford
Name of Municipality

- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

Near the intersection of Church Street and the
northbound Route 140 exit ramp
N/A - Along Public Roadway/Highway Interchange
Assessors Map/Plat Number

New Bedford
City/Town
N/A
Parcel/Lot Number

b. Area Description (use additional paper, if necessary):

Route 140/Church Street Intersection. Work area includes roadway shoulder and forested land in interchange within 100-foot buffer zone of a highway swale regulated as an isolated vegetated wetland.

c. Plan and/or Map Reference(s):

Environmental Resources Map
Title
Jack and Bore Crossing of Route 140
Title
Typical Details
Title

March 2022
Date
November 18, 2021
Date
November 18, 2021
Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Work consists of the installation of 16-inch-diameter steel natural gas main to be installed via jack and bore technology beneath Route 140 at the Church Street / Route 140 Interchange. Work will require tree clearing within the 100-foot buffer zone of a highway drainage swale / isolated vegetated wetland. No permanent change to grades are proposed, the area will be restored and seeded with a native seed mixture.



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

No work in Bordering Vegetated Wetlands or Isolated Vegetated Wetlands (IVW) is proposed. The pipeline replacement work in the WPA buffer zone is exempt pursuant to 310 CMR 10.02 (2)(a)(2) and 310 CMR 10.02(2)(b)(2)(I). This RDA is being specifically filed for work activities that are not exempt due to their location outside of paved areas. This work is within 100 feet of an isolated vegetated wetland.

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

N/A (public roadway/highway interchange)

Name

Mailing Address

City/Town

State

Zip Code


Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.


Signature of Applicant

4/6/2022

Date


Signature of Representative (if any)

4/6/2022

Date



MAYOR
JON MITCHELL

**City of New Bedford Conservation Commission •
Department of Environmental Stewardship**

133 William Street • Room 304 • New Bedford, Massachusetts 02740

Telephone: (508) 991.6188

Conservation • Environmental Stewardship • Resilience

CITY OF NEW BEDFORD, MASSACHUSETTS

CONSERVATION COMMISSION

2020 FILING FEE CALCULATION WORKSHEET*

Northbound Memorial Highway Ramp near the intersection of Church Street and Phillips Road

PROJECT LOCATION: _____

MAP(S) 132-6 **LOT(S)** N/A - Public Roadway

APPLICANT: Eversource Gas Company of Massachusetts d/b/a Eversource Energy

CONSERVATION COMMISSION APPLICATION TYPE:

- (X) REQUEST FOR DETERMINATION OF APPLICABILITY
- () NOTICE OF INTENT
- () AMENDED ORDER OF CONDITIONS
- () EXTENSION PERMIT
- () CERTIFICATE OF COMPLIANCE

(A) ALTERATION FEES:

Application and field review of a project proposed in a Wetland Resource Area or its Buffer Zone is \$200.00 plus the applicable alteration fee as follows:

	AMOUNT DUE:
• Application and Field Review Fee (\$200.00)	<u>\$200.00</u>
• \$0.50 X _____ SF Wetland Resource Area Fee shall not exceed \$2000.00 per project	\$ _____
• \$0.05 X _____ SF of Isolated Land Subject to Flooding, Bordering Land Subject to Flooding or Land Subject to Coastal Storm Flowage Fee shall not exceed \$500.00	\$ _____
• \$0.50 X _____ SF of altered 25' Riverfront Area Fee shall not exceed \$1,500.00	\$ _____
• \$1.00 X _____ SF of undeveloped 25' Riverfront Area Fee shall not exceed \$2000.00	\$ _____
• \$5.00 X _____ LF of Coastal or Inland Bank Fee shall not exceed \$750.00	\$ _____



- \$0.10 X 4,678 SF of Buffer Zone altered \$ 467.80
Fee shall not exceed \$6,500.00
- \$10.00 X _____ LF of dock \$ _____
- \$10.00 X _____ acres of aquaculture \$ _____

(B) EXTENSION OF AN ORDER OF CONDITIONS:

- Single family dwelling, or minor project (house addition, in ground pool dock etc.) = \$200.00 \$ _____
- Subdivision, commercial or industrial project = \$400.00 \$ _____

(C) AMENDING A PERMIT

- Single family dwelling or minor project (house addition, in ground pool dock etc.) = \$200.00 + new alteration fee – refer to (A) above \$ _____
- Subdivision, commercial or industrial project = \$500.00 + new alteration fee – refer to (A) above \$ _____

(D) WETLAND DELINEATION VERIFICATION (with or without proposed alteration)

- ½ acre or less
- ½ acre to 2 acres = \$500.00 (\$100/acre thereafter) not to exceed \$3,500 \$ _____

(E) CERTIFICATES OF COMPLIANCE

- One new house = \$250.00 \$ _____
- One activity at an existing house = \$150.00 \$ _____
- Residential or Commercial docks = \$200.00 \$ _____
- Commercial & Industrial Facilities = \$1,500.00 \$ _____
- New Roadways & Associated Stormwater Mgt. Systems = \$1,500.00 \$ _____

Partial Certificates of Compliance have the same fee as a Certificate of Compliance, But you only pay the fee once (you do not pay double to obtain a full Certificate of Compliance).

(F) AFTER THE FACT FILING FEE

- Notice of Intent or Amended Order of Conditions = \$500.00 \$ _____
- Request for a Determination of Applicability = \$250.00 \$ _____

TOTAL AMOUNT DUE:

Notes:

\$ 667.80

*Please refer to the Conservation Commission fee schedule – dated 02/2020

Please make check or Money Order payable to the City of New Bedford
Cash is not accepted.



THE RED THERMO SECURED "SP" LOGO IN THE LOWER CORNER OF THIS CHECK MUST FADE TEMPORARILY WHEN WARMED BY TOUCH OR FRICTION. SEE BACK FOR ADDITIONAL FEATURES.

SWCA, INC.
IMPREST ACCOUNT
15 RESEARCH DRIVE
AMHERST, MA 01002

DATE April 6, 2022 020203 11-24/1210

PAY TO THE ORDER OF City of New Bedford

Six hundred sixty seven & 80/100

\$ 667.80

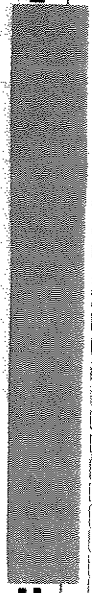
DOLLARS



WELLS FARGO
Wells Fargo Bank, N.A.

MEMO 59890 8038

RDA City Ordinance Fee

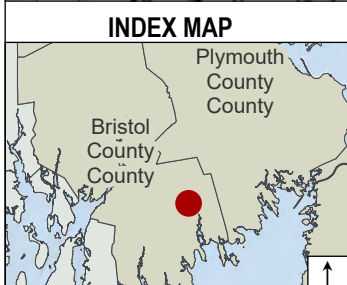
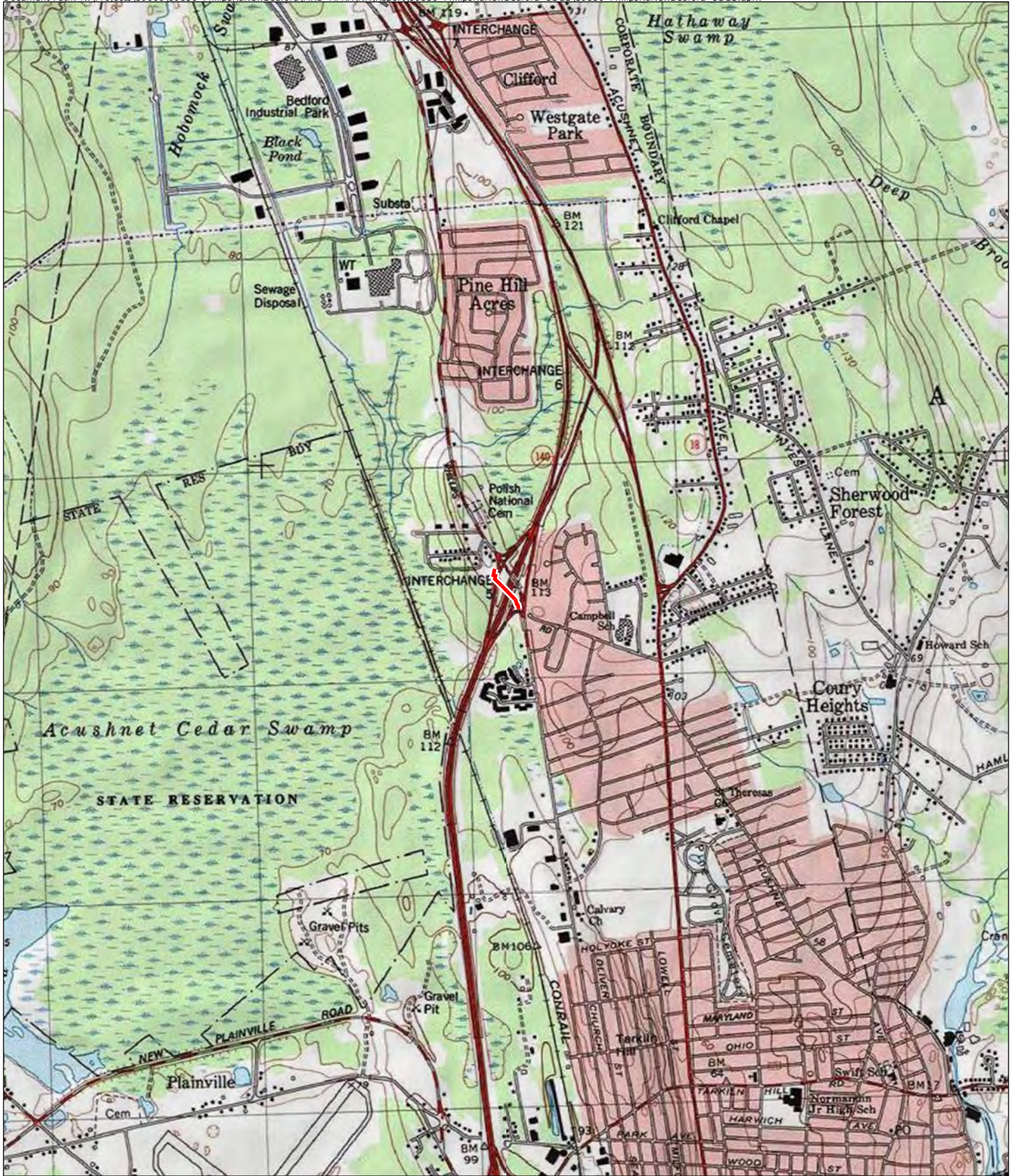


⑈020203⑈

SUPERIOR PRESS • 888-690-7998 JP-4-170688

APPENDIX B

Figures



Legend

— Project Area

Base Map: ESRI ArcGIS Online, accessed March 2022

1:24,000

0 500 1,000 Feet

N

EVERSOURCE
ENERGY

USGS Topo
Philips Road and Church Street
Gas Main Project
New Bedford, MA

March 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend

- Proposed Gas Pipeline
- Limits of Tree Clearing
- Municipal Boundary
- Road
- Bore Pit
- Parcel Boundary

Base Map: ESRI ArcGIS Online, accessed March 2022

Scale: 1:600
0 25 50 Feet

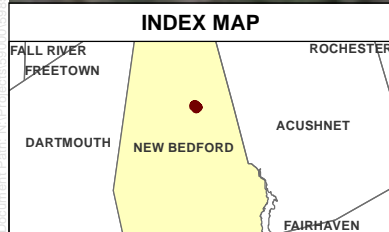
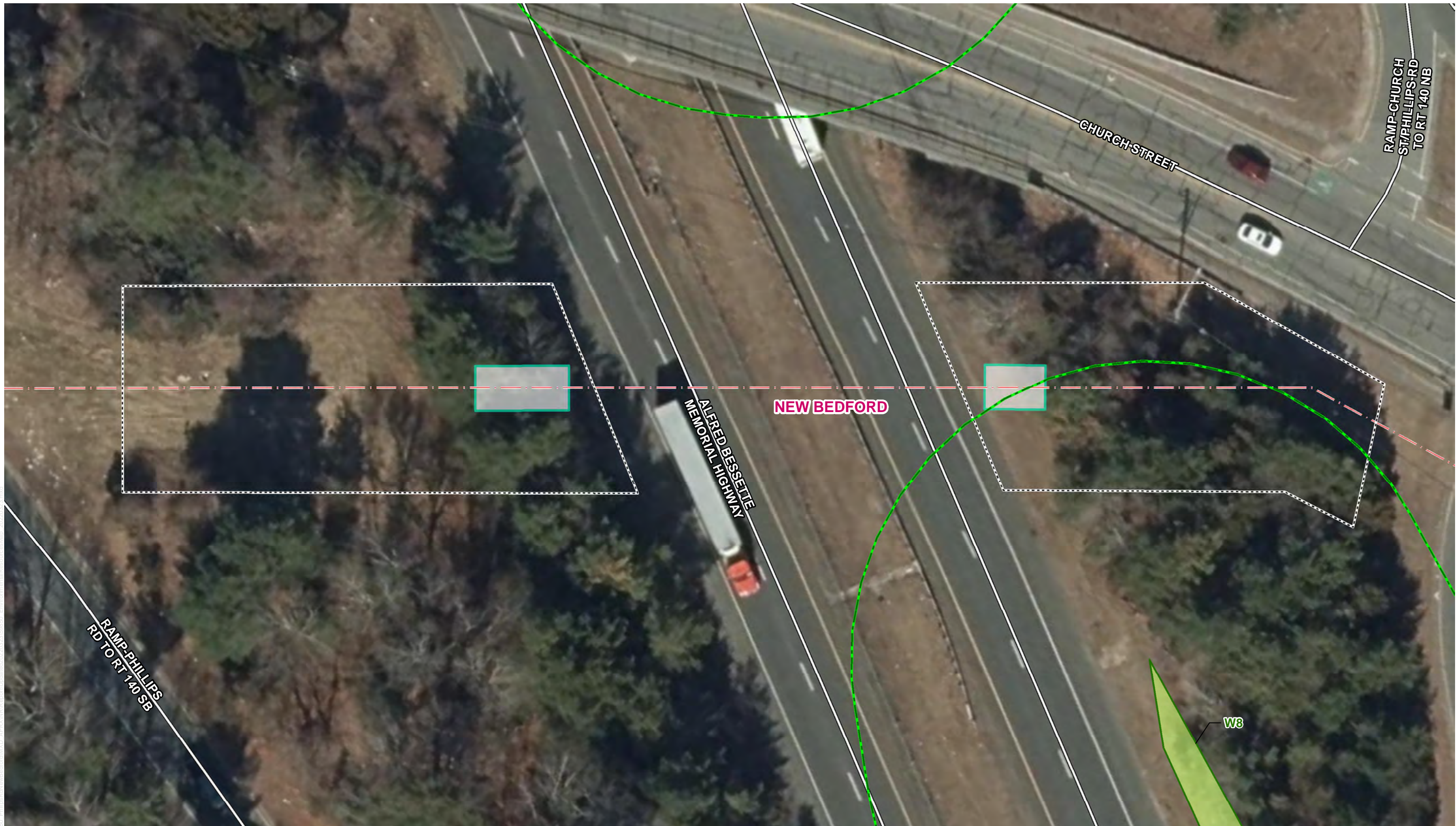
N

EVERSOURCE
ENERGY

Orthophoto
Philips Road and Church Street
Gas Main Project
New Bedford, MA

March 2022

SWCA
ENVIRONMENTAL CONSULTANTS



- 100ft Buffer Zone to IVW
- Proposed Gas Pipeline
- Limits of Tree Clearing
- Municipal Boundary
- Delineated Wetland
- Bore Pit

Map Notes:
 Not for Construction. Parcels, ROW boundaries, and structure locations are approximate (NOT from survey). Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetland areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Base Map Source: 2021 Orthophoto Aerial Imagery

1 inch = 30 feet

0 7.5 15 30 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

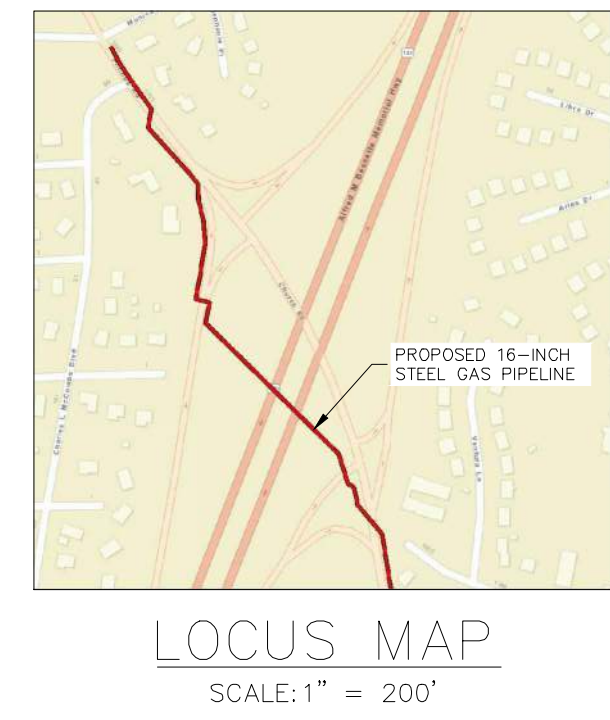
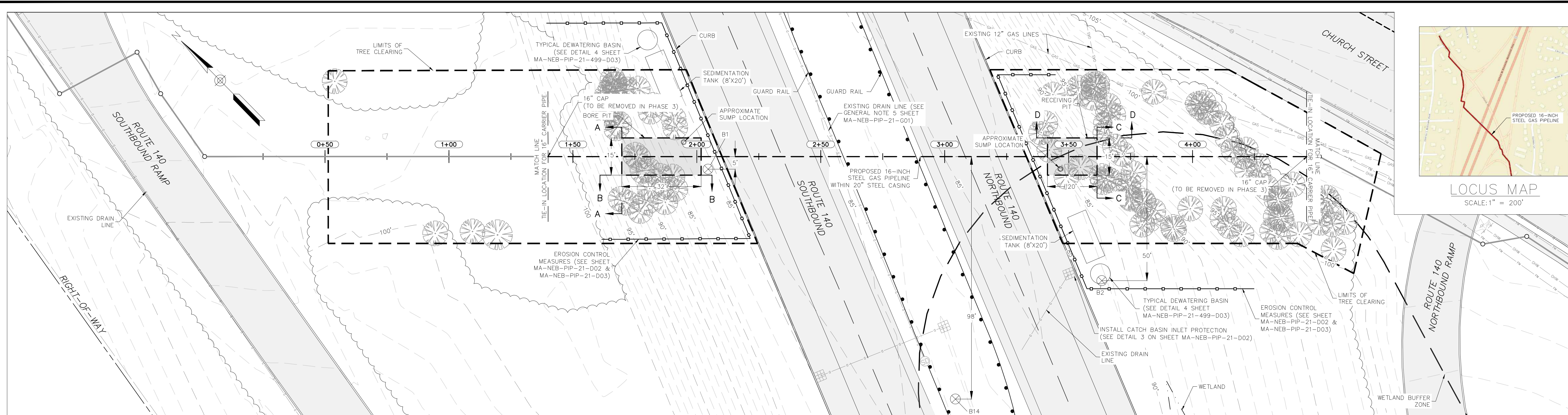
EVERSOURCE
ENERGY

**Eversource Phillips Road and Church Street
Environmental Resources Map**

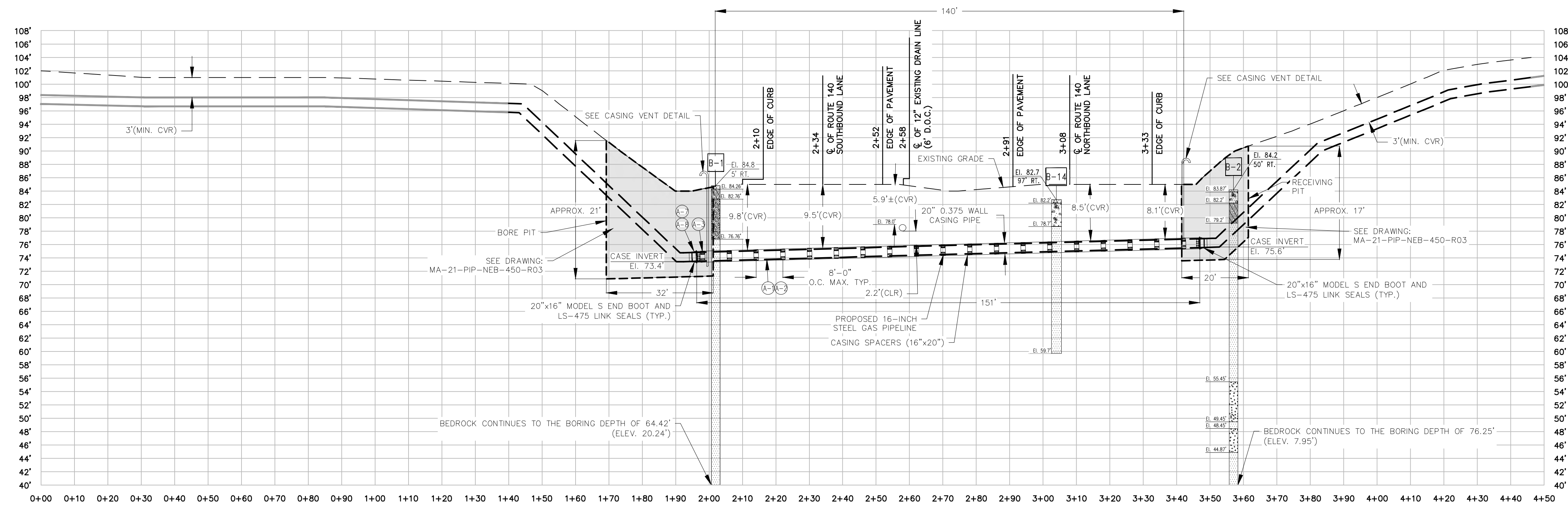
New Bedford, MA

Map Sheet 1 of 1

March 2022

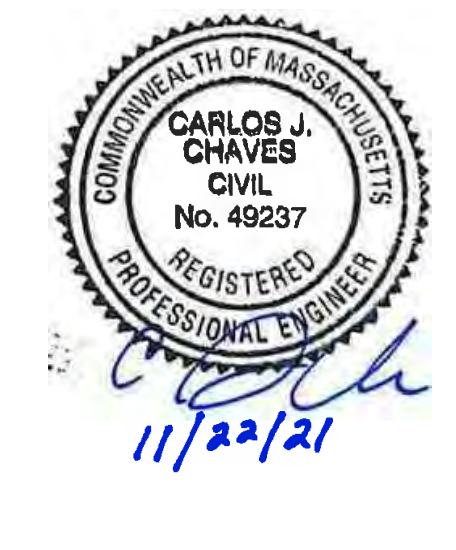
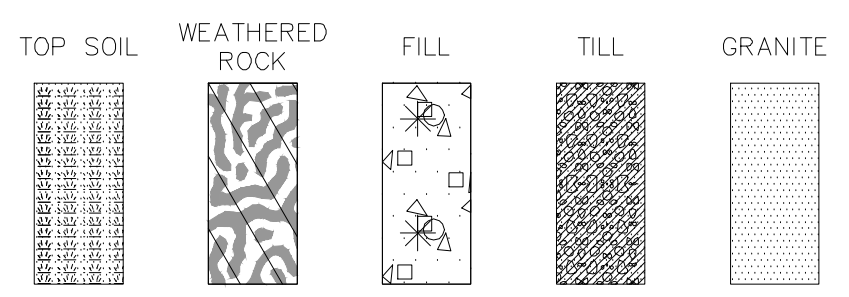


PLAN VIEW
SCALE: 1" = 20'



PROFILE VIEW
VERTICAL SCALE: 1" = 10'
HORIZONTAL SCALE: 1" = 20'

SOIL AND ROCK LEGEND

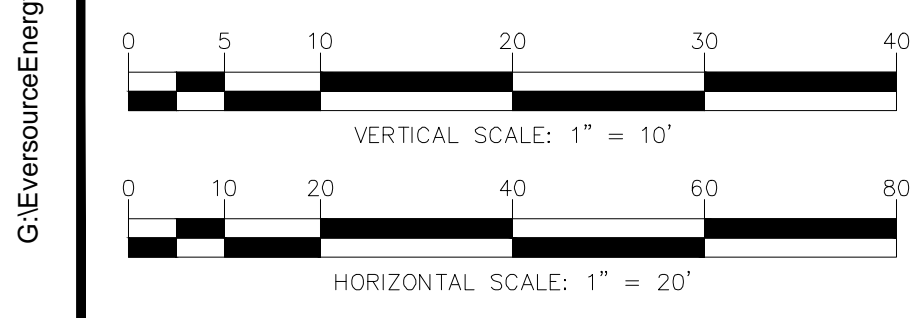


M M
MOTT MACDONALD

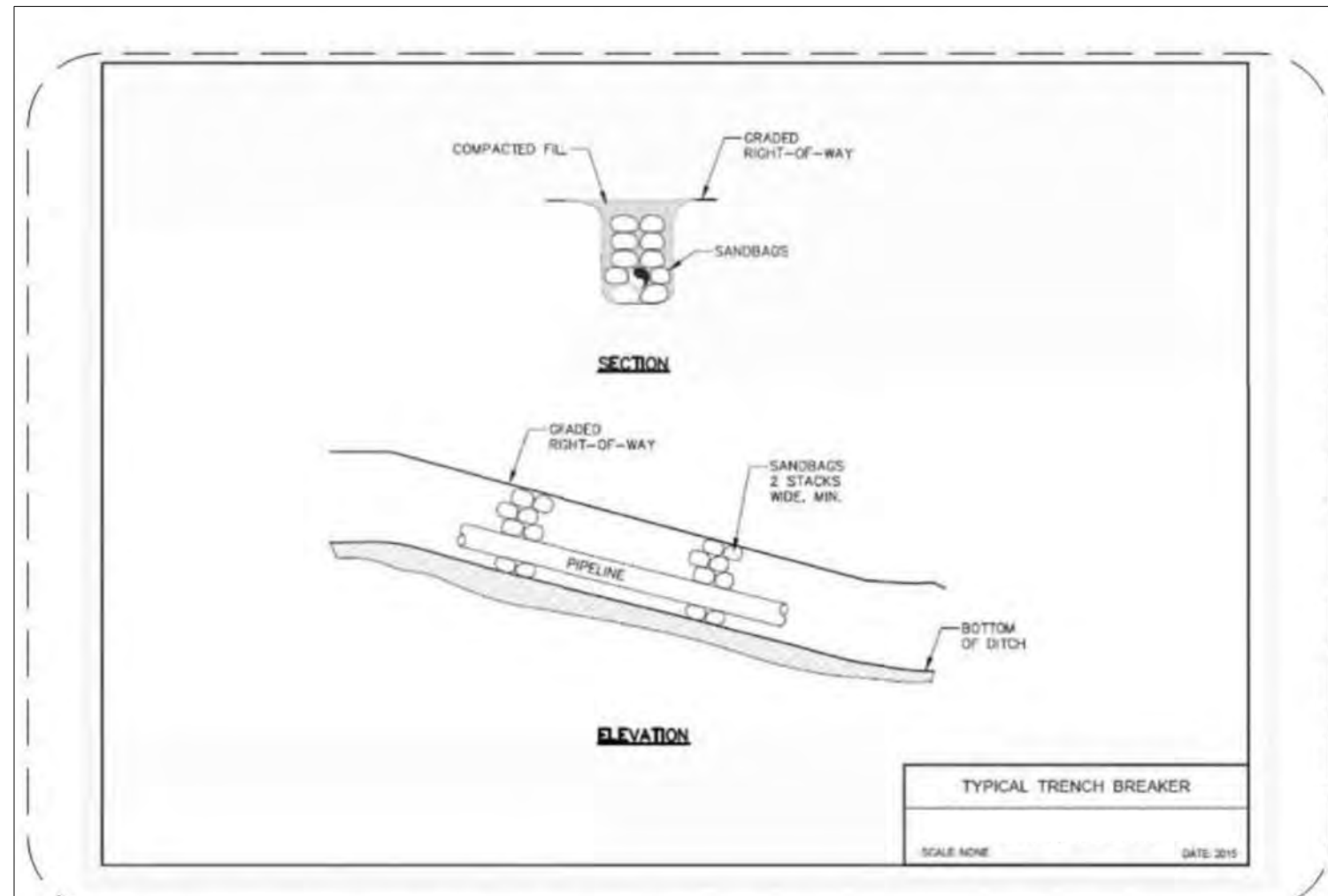
FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

B ISSUED FOR PERMIT		11-18-2021	MWF/CM/DBD
No.	Description	Date	Dw/Ck/Ap
EVERSOURCE ENERGY PHILLIPS ROAD MAIN RELAY AND INSTALLATION, NEW BEDFORD, MA NEW BEDFORD, MA JACK AND BORE CROSSING OF ROUTE 140			
SCALE: 1" = 20'		SHEET 1 OF 6	
Drawn by / Date	Checked by / Date	Sheet Number	Rev. No.
RJP / 10-20-2021	MWF / 10-20-2021		
Approved by / Date	MA21PIPNEB499	MA-NEB-PIP-21-499-R01	B

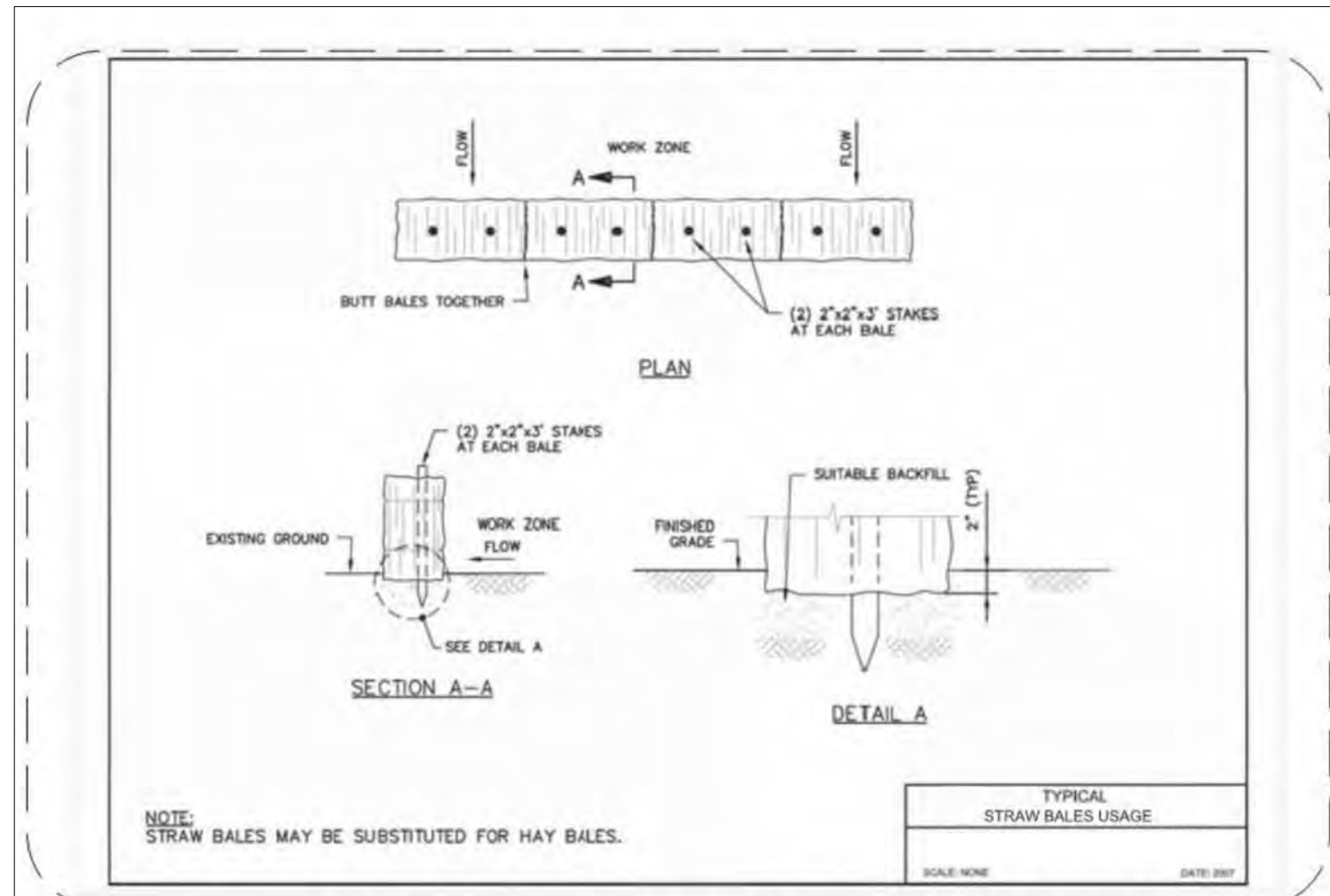
- DRAWING LEGEND
- EXISTING TREE
 - EXISTING MINOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - PROPOSED 16" STEEL GAS PIPELINE
 - RIGHT-OF-WAY
 - EXISTING TREELINE
 - ROAD
 - GUARD RAIL
 - EXISTING DRAIN LINE
 - EXISTING GAS LINE
 - EXISTING SEWER LINE
 - EXISTING FORCE MAIN
 - LIMITS OF TREE CLEARING
 - BORE PIT



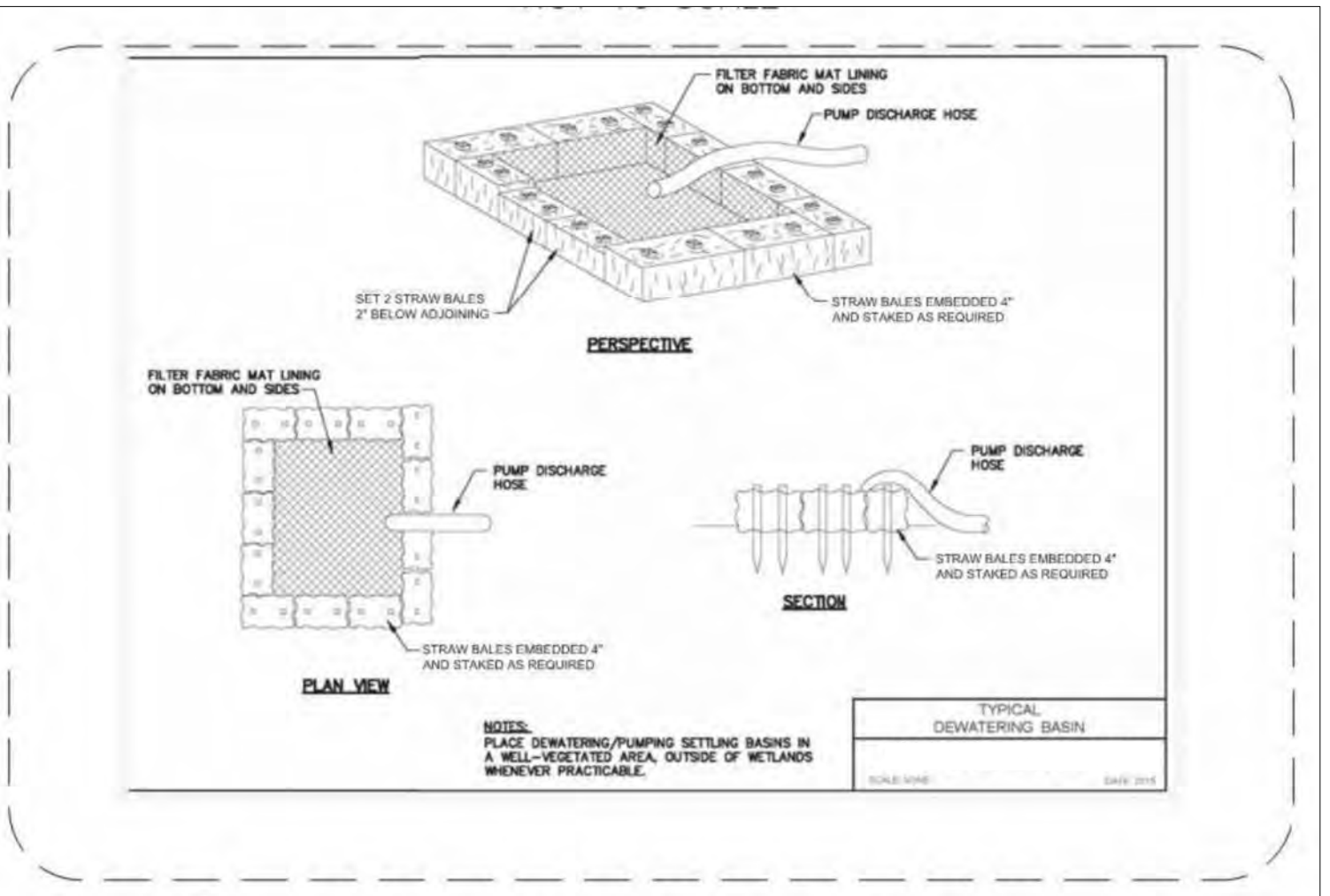
G:\EversourceEnergy\507102697_New_Bedford_Relay\Pipeline\Drafting\Typicals\Construction\Phase_3-5\Construction_Typicals.dwg



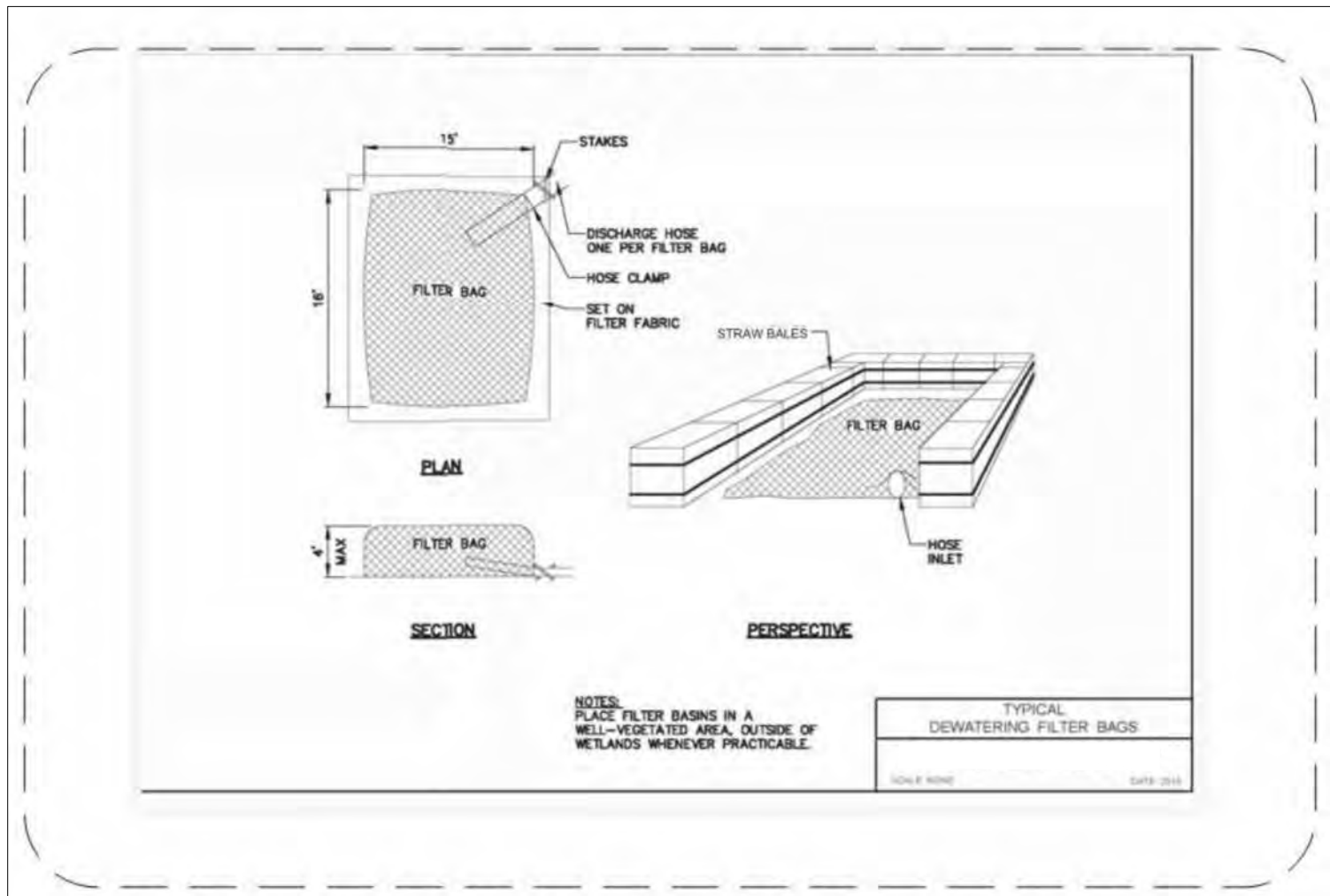
1 TYPICAL TRENCH BREAKER
NOT TO SCALE



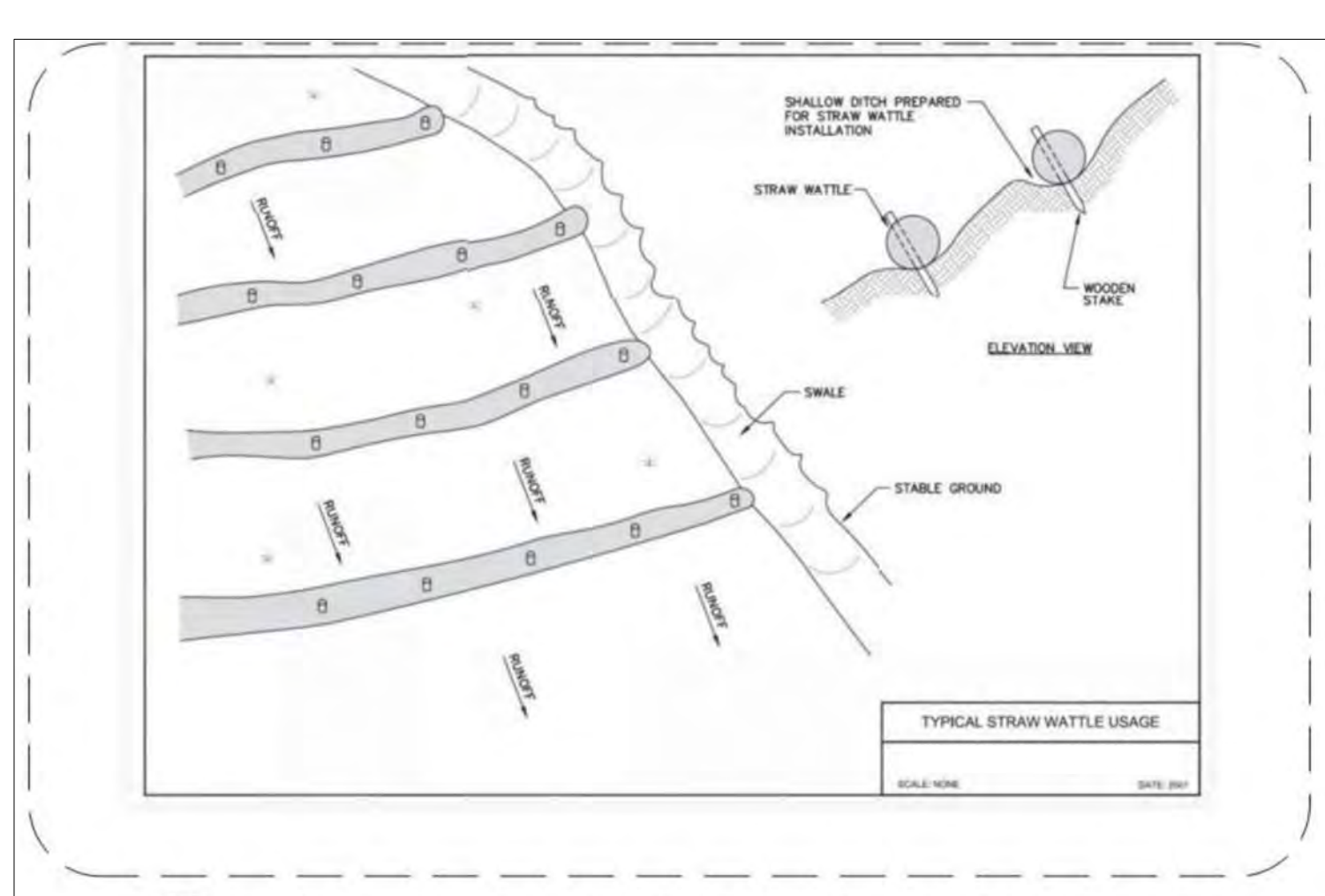
2 TYPICAL STRAW BALES USAGE
NOT TO SCALE



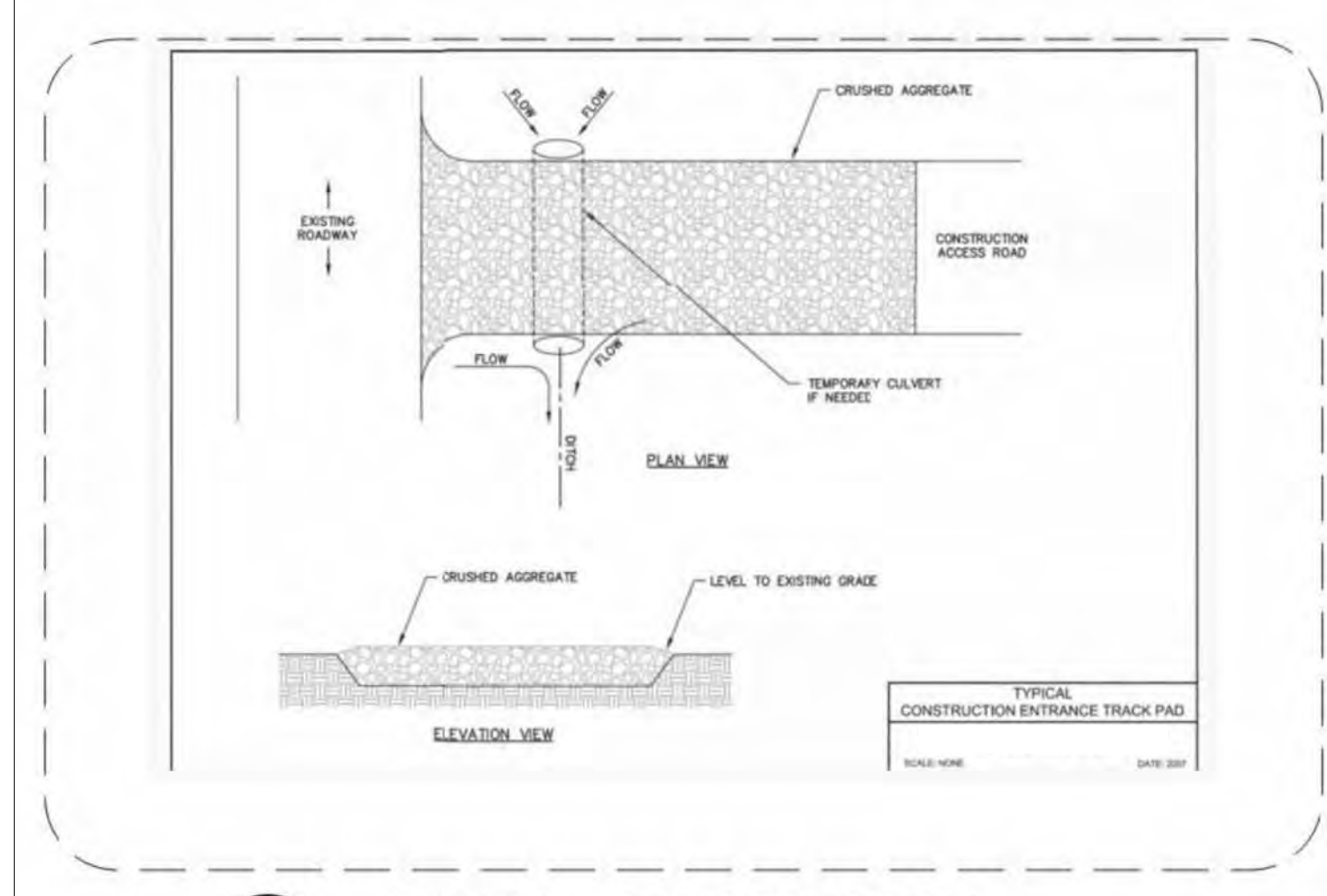
3 TYPICAL DEWATERING BASIN
NOT TO SCALE



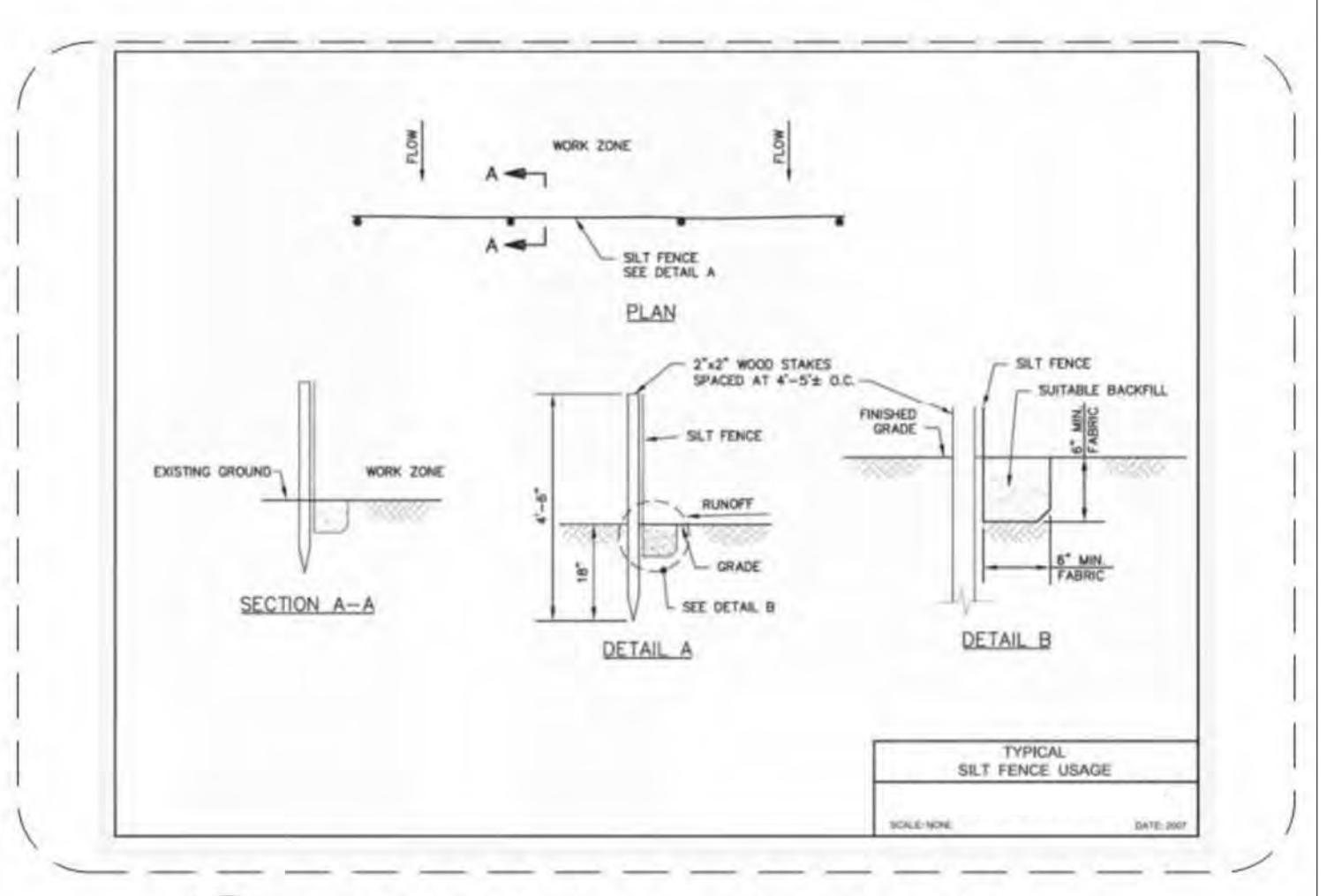
4 TYPICAL DEWATERING FILTER BAGS
NOT TO SCALE



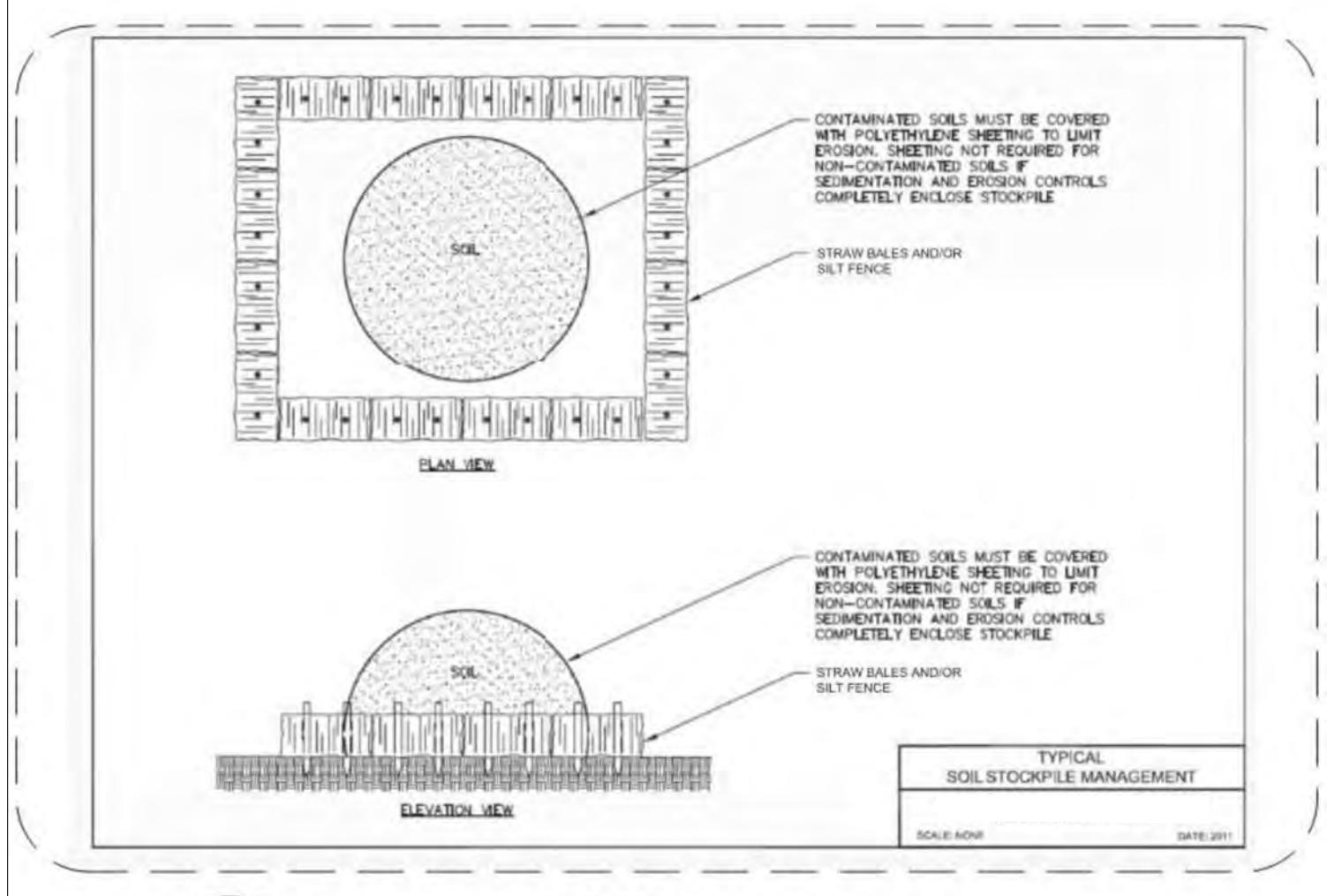
5 TYPICAL STRAW WATTLE USAGE
NOT TO SCALE



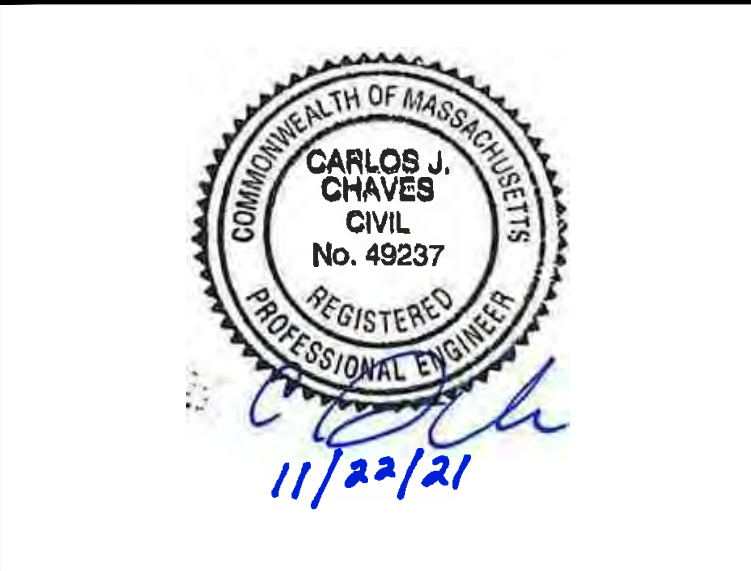
6 TYPICAL CONSTRUCTION ENTRANCE TRACK PAD
NOT TO SCALE



7 TYPICAL SILT FENCE USAGE
NOT TO SCALE



8 TYPICAL SOIL STOCKPILE MANAGEMENT
NOT TO SCALE



M M
MOTT MACDONALD

FIELD VERIFY DIMENSIONS
PRIOR TO PIPE FABRICATION

B	ISSUED FOR PERMIT	11/18/21	MWF/CM/DBD
No.	Description	Date	Dw/Ck/Ap
Revision/Status			
EVERSOURCE ENERGY			
PHILLIPS ROAD MAIN RELAY AND INSTALLATION, NEW BEDFORD, MA NEW BEDFORD, MA			
TYPICAL DETAILS			
SCALE: N.T.S.		SHEET 2 OF 2	
Drawn by / Date	Checked by / Date	Sheet Number	Rev. No.
ACS 12-22-2020	MWF / 12-22-2020		
Approved by / Date	MA21PIPNEB499	MA-NEB-PIP-21-499-D02	B
DBD / 12-23-2020			

APPENDIX C
Site Photographs



Photo 1. View of where tree removal activities are proposed. Facing north.



Photo 2. Additional view where tree removal activities are proposed. Facing southwest.



Photo 3. View of forested portion of the interstate interchange where proposed activities are proposed. Facing west.



Photo 4. View of wetland 8. Facing north.

APPENDIX D

Erosion & Sedimentation Controls



CONSTRUCTION & MAINTENANCE ENVIRONMENTAL REQUIREMENTS

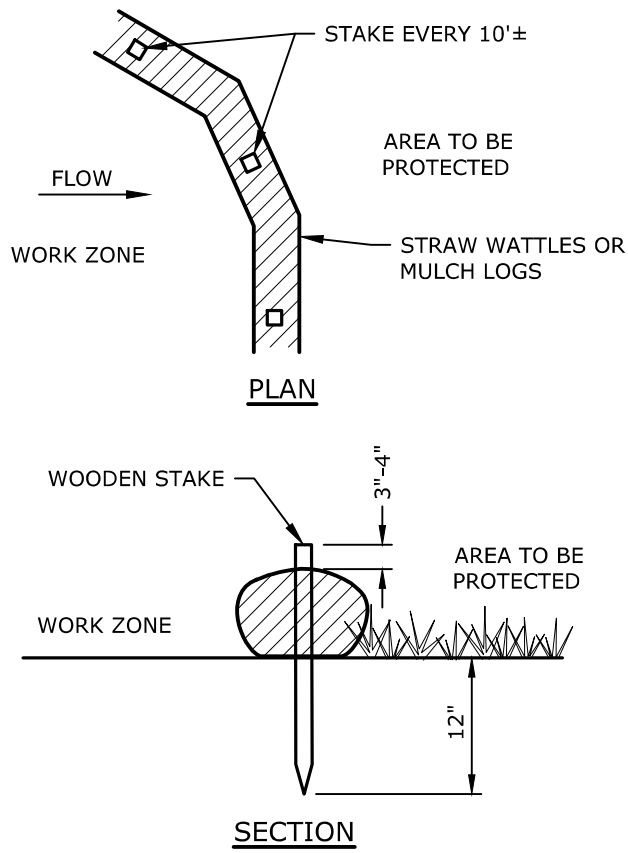
Best Management Practices Manual for Massachusetts and Connecticut



March 2022

Prepared for:
Eversource Energy Environmental Licensing and Permitting Group

EVERSOURCE



NOTE:

1. USE OF PRODUCTS WITH PLASTIC AND/OR NYLON NETTING IS PROHIBITED.

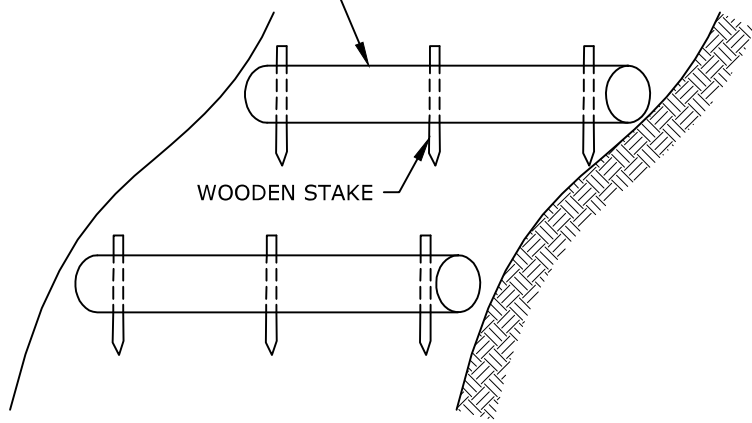


STRAW WATTLE/MULCH LOG

DATE:	12/2021
SCALE:	NO SCALE
FIGURE:	A26



26 STRAW WATTLE



WOODEN STAKE

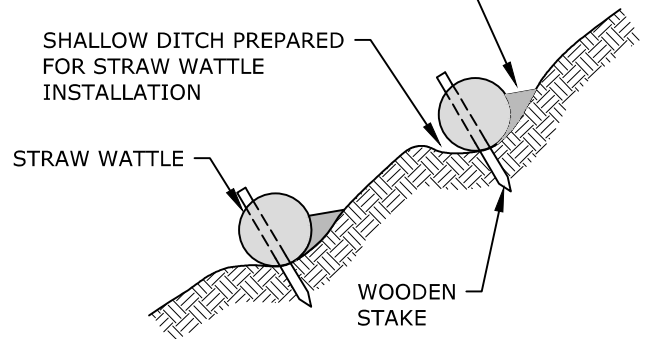
FOOT TAMPED BACKFILL ON UPSLOPE SIDE

SHALLOW DITCH PREPARED FOR STRAW WATTLE INSTALLATION

STRAW WATTLE

WOODEN STAKE

ELEVATION VIEW

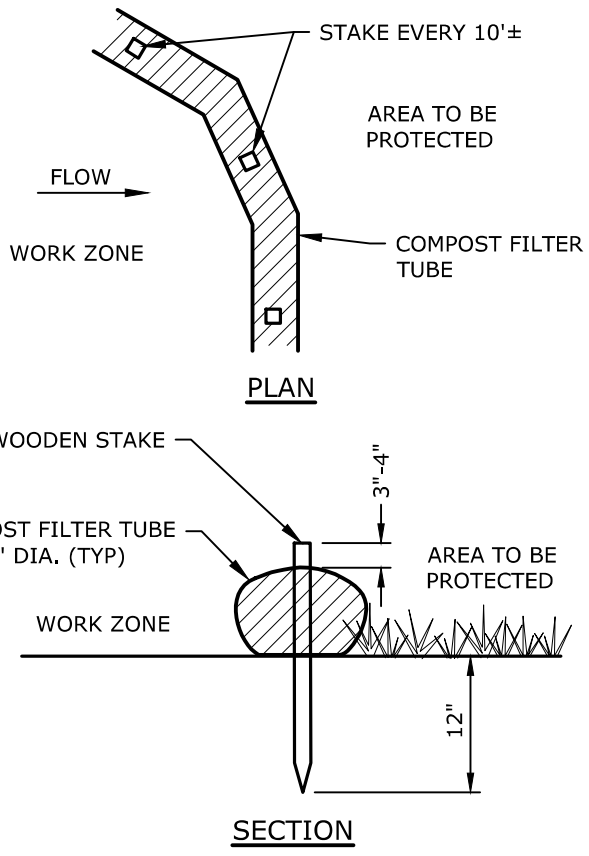


NOTES:

1. USE OF PRODUCTS WITH PLASTIC AND/OR NYLON NETTING IS PROHIBITED.
2. VERTICAL SPACING FOR SLOPE INSTALLATIONS TO BE DETERMINED BY SITE CONDITIONS: SLOPE GRADIENT AND SOIL TYPE. CONFIRM SPACING PER MANUFACTURER'S SPECIFICATIONS. SEE BELOW FOR TYPICAL REQUIREMENTS. COORDINATE SPACING AND LOCATION WITH EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING.
 - 1:1 SLOPES = 10 FEET APART
 - 2:1 SLOPES = 20 FEET APART
 - 3:1 SLOPES = 30 FEET APART
3. MINIMUM 12" DIAMETER WATTLES SHOULD BE USED FOR HIGHLY DISTURBED AREAS (E.G. HEAVILY USED ACCESS ROADS WITH ADJACENT WETLANDS). MINIMUM 8" DIAMETER WATTLES SHOULD BE USED FOR LESS DISTURBED SOILS.

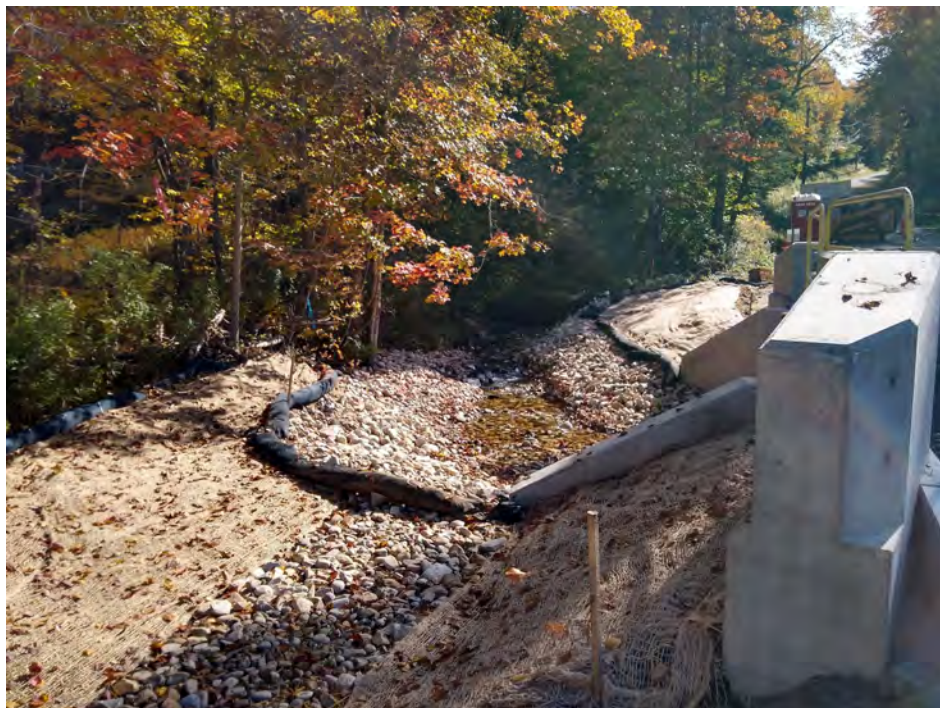
Dec 15, 2021-3:28pm Plotted By: ASapelli Tighe & Bond, Inc. F:\Projects\15034 Eversource L&P 2019\088 - CT-MA BMP Manual\Drawings_Figures\AutoCAD\Sheet\Straw Wattle.dwg

STRAW WATTLE (ON SLOPE)	
DATE:	12/2021
SCALE:	NO SCALE
FIGURE:	A22
EVERSOURCE	



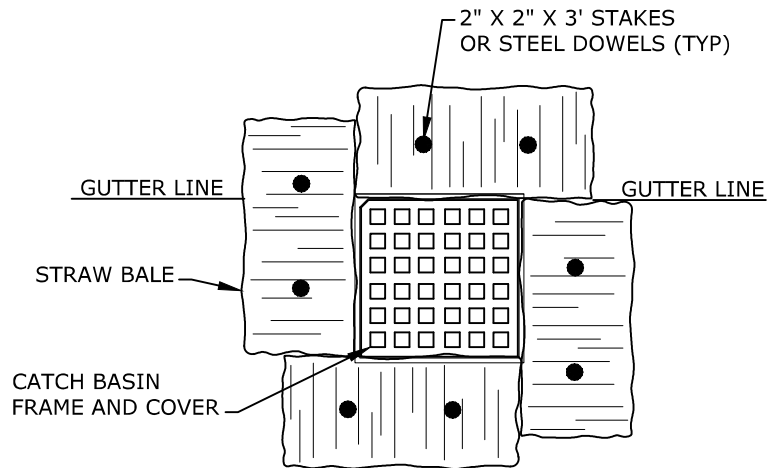
NOTES:

1. TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL.
2. TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE.
3. PROVIDE 3' MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE WITHIN LIMITS OF WORK, AS DIRECTED.
5. INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
6. DO NOT INSTALL IN PERENNIAL, EPHEMERAL, OR INTERMITTENT STREAMS.
7. CONFIGURE TUBES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.

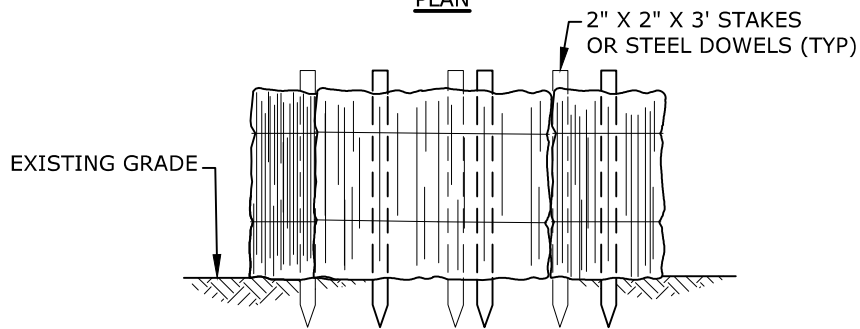


COMPOST FILTER TUBE	
DATE:	12/2021
SCALE:	NO SCALE
FIGURE:	A28





PLAN



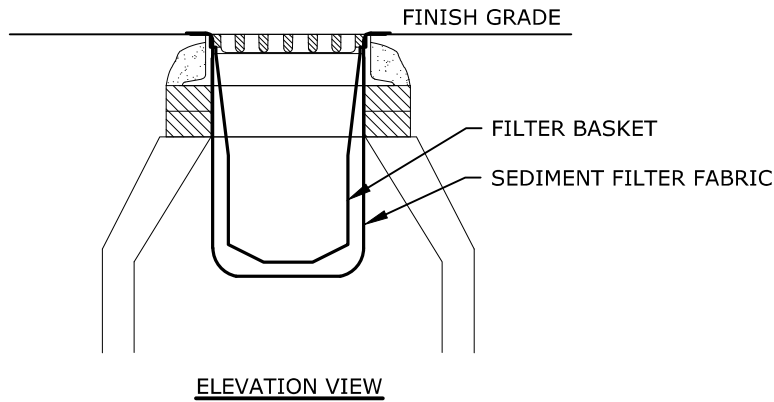
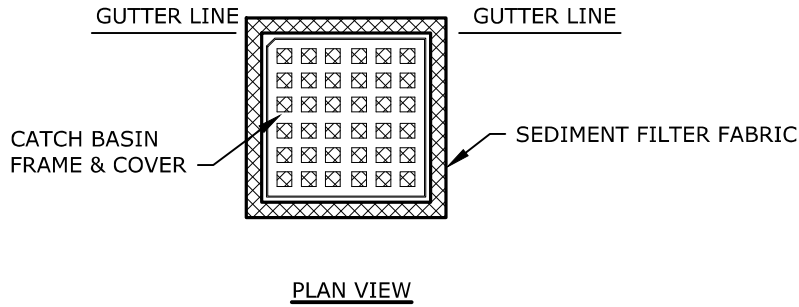
ELEVATION

NOTES:

1. A MINIMUM OF TWO WOOD STAKES ARE REQUIRED PER STRAW BALE.
2. STEEL DOWELS MAY BE USED WHERE WOOD STAKES CANNOT BE DRIVEN INTO THE GROUND.
3. "SILT SACKS", "DANDY BAG II" OR OTHER SIMILAR SILT RETENTION DEVICES SHALL BE INSTALLED IN LIEU OF STRAW BALES FOR CATCH BASINS LOCATED IN EXISTING PAVED AREAS.
4. STRAW PRODUCTS ONLY; THE USE OF HAY OR HAY PRODUCTS IS STRICTLY PROHIBITED.

Dec 15, 2021-3:21pm Plotted By: ASapelli
Tighe & Bond, Inc. F:\Projects\VE\5034 Eversource L&P 2019\088 - CT-MA BMP Manual\Drawings_Figures\AutoCAD\Sheet\CB Inlet Prot.dwg

CATCH BASIN INLET PROTECTION (STRAW BALES)	
DATE:	12/2021
SCALE:	NO SCALE
FIGURE:	A30
EVERSOURCE	



NOTES:

1. FILTER BASKET SHALL BE "SILT SAK" BY JENNIAN, MELROSE, MA; "DANDY BAG" BY DANDY PRODUCTS (1-800-591-2284); DRAIN PAC (91-800-272-2832); OR APPROVED EQUIVALENT SUBJECT TO CONSULTATION WITH EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING.
2. FILTER BASKETS SHOULD BE USED IN COMBINATION WITH ANOTHER INLET PROTECTION MEASURE SUCH AS SEDIMENT FILTER FABRIC IF DRAINAGE AREA IS SMALL WITH SHALLOW FLOWS.



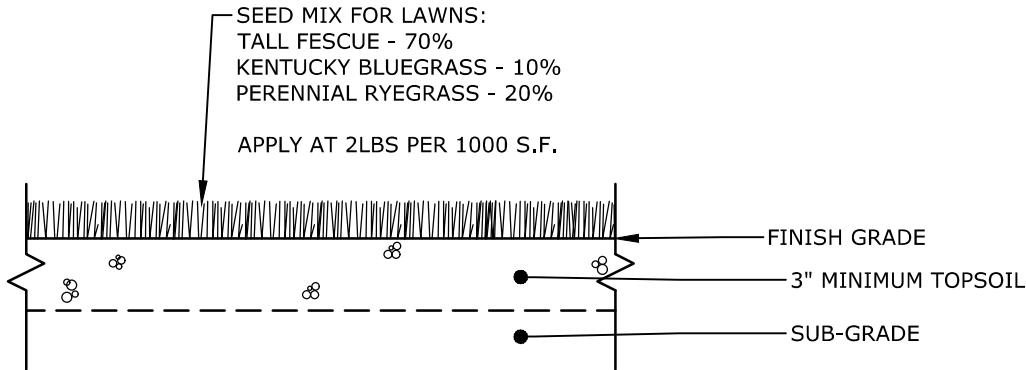
**CATCH BASIN INLET PROTECTION
(SILT SACK)**

DATE:	12/2021
SCALE:	NO SCALE
FIGURE:	A31



NOTE:

THE SEED MIX UTILIZED SHALL CONSIST OF QUICK GROWING, DROUGHT TOLERANT, NATIVE GRASSES, SUCH AS RYES. THE SEED MIX UTILIZED WITHIN THE BUFFER ZONE TO WETLAND RESOURCE AREAS MAY CONSIST OF QUICK GROWING, DROUGHT TOLERANT, NATIVE GRASSES BUT MUST CONTAIN AT LEAST 50% OF A NATIVE SEED MIX WITH HIGH HABITAT VALUE, SUCH AS ONES WHICH CONTAIN PERENNIAL SHRUBS, WILDFLOWERS. CONSULT WITH EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING FOR PROJECT SPECIFIC REQUIREMENTS.

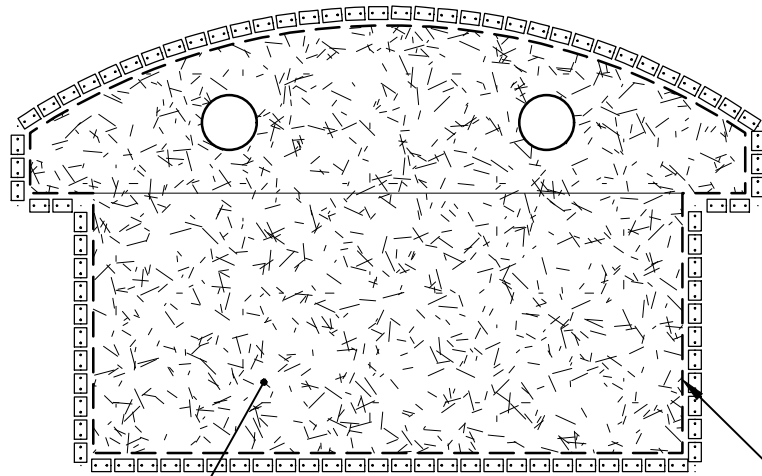


LOAM AND SEED	
DATE:	12/2021
SCALE:	NO SCALE
FIGURE:	A32



NOTES:

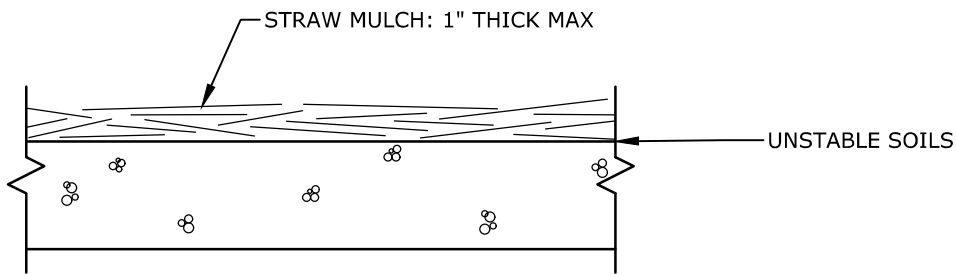
1. STRAW PRODUCTS ONLY; THE USE OF HAY OR HAY PRODUCTS IS STRICTLY PROHIBITED.
2. MULCH APPLICATION SHALL NOT EXCEED 1" IN THICKNESS.
3. WOOD CHIPS MAY BE SUBSTITUTED FOR STRAW MULCH SUBJECT TO EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING APPROVAL.
4. CONSULT WITH EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING FOR PROJECT SPECIFIC REQUIREMENTS.



STRAW MULCH

PLAN VIEW

LIMIT OF SOIL DISTURBANCE



ELEVATION VIEW

UNSTABLE SOILS



STRAW MULCH

DATE:	12/2021
SCALE:	NO SCALE
FIGURE:	A33



APPENDIX E

Abutters Information