

A-2 Wire Test Station Installation Project 63 Herrick Road, Boxford, Massachusetts

REQUEST FOR DETERMINATION OF APPLICABILITY

Boston Gas Company

August 2021

Tighe&Bond



Tighe&Bond

WO #1385664 N5068-130 August 13, 2021

Ross Povenmire, Director Boxford Conservation Commission 7A Spofford Lane Boxford, Massachusetts 01921

Re: Request for Determination of Applicability A-2 Wire Test Station Installation Project Boston Gas Company 63 Herrick Road, Boxford, Massachusetts

Dear Mr. Povenmire and the Members of the Boxford Conservation Commission:

On behalf of the Boston Gas Company, Tighe & Bond respectfully submits this Request for Determination of Applicability (RDA) for a proposed wire test station installation project at 63 Herrick Road in Boxford, Massachusetts. This wire test station will monitor for and protect against corrosion of the gas line in order to properly maintain the utility line. The proposed project will be within the existing paved road and driveway near 63 Herrick Road.

This RDA is being filed because the proposed work will occur within the 100-foot Buffer Zone to jurisdictional wetland resource areas. These areas are regulated under the Massachusetts Wetlands Protection Act (WPA, M.G.L. c. 131 § 40) and the Town of Boxford Wetlands Protection Bylaw (Town Code Chapter 192) and implementing regulations. All of the proposed work will occur within previously disturbed areas with no anticipated impacts to the nearby wetland resources. Please note, the proposed work is considered an exempt buffer zone minor activity under 310 CMR 10.02(2)(b)(2)(i), as it consists of the "*installation of underground utilities (e.g., electric, gas, water) within existing paved or unpaved roadways and private roadways/driveways, provided that all work is conducted within the roadway or driveway and that all trenches are closed at the completion of each workday."* This project is being filed as an RDA as the Boxford Wetlands Protection Bylaw does not recognize the above exemption.

Tighe & Bond respectfully requests that the Boxford Conservation Commission make a Negative Determination confirming that the proposed work does not require the filing of a Notice of Intent under the WPA or the Town of Boxford Wetlands Protection Bylaw and Regulations.

This RDA application includes the following items:

- Attachment A WPA Form 1
- Attachment B Figures
- Attachment C Site Photographs
- Attachment D Abutter Information
- Attachment E National Grid Best Management Practice Details

The following text discusses the wetland resource areas, proposed activities, and proposed protective measures.

Wetland Resource Areas

Site reconnaissance and wetland resource area investigations of the project area were conducted by a Tighe & Bond Professional Wetland Scientist (PWS) on August 6, 2021. The reconnaissance was conducted in accordance with the Massachusetts Department of Environmental Protection (MassDEP) guidelines, 310 CMR 10.00, and the Town of Boxford Wetlands Protection Bylaw (Town Code Chapter 192). The resource area boundaries were surveyed using a hand-held GPS unit (i.e.,R1) with sub-meter accuracy. Please refer to Figure 3 in Attachment B for a figure illustrating the wetland locations.

Bordering Vegetated Wetlands

One Bordering Vegetated Wetland (BVW) was delineated along the banks of an intermittent stream. This wetland is located approximately 117 feet northeast of Herrick Road, and northeast of the existing driveway. This wetland is best classified as palustrine, scrub/shrub-emergent, and persistent with a seasonally flooded/saturated hydroperiod (PSS/EM1E). Hydrologic indicators observed during the site visit included inundation visible on aerial imagery, water stained leaves, and geomorphic position. The soils observed were black organic (5YR 2.5/1) with reddish yellow (7.5YR 7/8) redoximorphic concentrations. Common vegetation observed included various sedges (*Carex* spp.) and sweet-pepperbush (*Clethra alnifolia*) with overhanging upland vegetation.

Inland Bank/ Intermittent Stream

The stream is located north and south of the existing driveway, and north of the BVW. The stream is characterized by a bank width of approximately one to two feet, with water flowing with a depth between one and two inches at the time of the delineation. The stream appears to have been previously disturbed through channelization and culverted under the existing driveway.

Bordering Land Subject to Flooding

The Federal Emergency Management Agency (FEMA) flood map (Panel No. 25009C0242F, effective July 3, 2012) was consulted to evaluate the presence of jurisdictional Land Subject to Flooding on the property. No portion of the proposed project area falls within any area subject to flooding and/or inundation by a 100-year flood. Therefore, the project area is not regulated as Bordering Land Subject to Flooding (BLSF).

Rare Species

The Massachusetts Natural Heritage and Endangered Species Program (NHESP) Atlas (14th edition, effective August 2012) was reviewed during the preparation of this RDA. According to these sources, no Priority Habitats of Rare Species (PH) or Estimated Habitats of Rare Wildlife (EH) occur in any portion of the proposed project area.

Proposed Activities

The proposed work entails of the installation of a two-wire test station with anodes to provide corrosion data along the gas line. The data collected will support the maintenance of the system. The work includes installation of a test station by vacuuming a five-foot hole next to existing gas lines. The test station is placed vertically in the hole, attached to existing underground test wires, then the hole is backfilled with rock-free native soil. The installation of the test station falls within the 100-foot Buffer Zone to BVW and Inland Bank. The work

area will be within an existing roadway and driveway with no maintenance work directly within wetland resource areas.

The proposed work will not change the general characteristics of the area, as the entire project is contained within previously disturbed areas.

Protective Measures

The proposed installation will be completed within the roadway of Herrick Road and existing driveway. Prior to the commencement of work, appropriate erosion control measures will be installed at the downgradient limit-of-work as deemed necessary. The erosion controls will be maintained throughout the duration of work and will be removed after disturbed areas have been stabilized. Following the completion of construction activities, any disturbed soils will be restored in-kind. Attachment E of this submittal includes details of standard erosion control measures that have been used in past projects of similar scope.

Application Requirements

As required by the Boxford Wetlands Protection Bylaw, a check made payable to the Town for the application filing fee (\$100) has been submitted under separate cover. Abutters to the project area will be notified via Certificate of Mailing, in accordance with the abutter notification requirements. Copies of the abutter notification form and the certified list of abutters have been enclosed in Attachment D.

Summary

We look forward to having the opportunity to discuss this project with the Boxford Conservation Commission at the September 2, 2021 hearing. We anticipate these materials are sufficient for the Commission to issue a Negative Determination confirming the proposed project may proceed without the filing of an NOI.

Should you have any questions regarding this application or require any additional information, please do not hesitate to contact me at (508) 304-6354 or via email at AJHoule@tighebond.com.

Thank you in advance for your attention to this matter.

Respectfully,

Amanda J. Houle, PWS, CERP Senior Environmental Scientist

Enclosures

Copy: MassDEP NERO Andrew Shelby, National Grid John and Jessie McNulty, property owners

ATTACHMENT A

WPA FORM 1



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

WPA Form 1- Request for Determination of Applicability

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

A. General Information

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

1. Applicant:		
Boston Gas Company	drew.shelby	@nationalgrid.com
Name	 E-Mail Address	<u> </u>
40 Sylvan Road		
Mailing Address		
Waltham	MA	02451
City/Town	 State	Zip Code
781.907.1867	N/A	
Phone Number	 Fax Number (if	applicable)
2. Representative (if any): Tighe & Bond		
Firm		
Amanda Houle	 ajhoule@tig	hebond.com
Contact Name	E-Mail Address	
4 Barlows Landing Road		
Mailing Address		
Pocasset	MA	02559
City/Town	 State	Zip Code
508.304.6354	N/A	
Phone Number	 Fax Number (if	applicable)

B. Determinations

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

Boxford
Name of Municipality

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



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):

63 Herrick Road	Boxford
Street Address	City/Town
Tax Map 24	Block 04 / Lot 13
Assessors Map/Plat Number	Parcel/Lot Number

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

A full description of the proposed project area is attached in the cover letter to this application.

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

Site Location Map & Priority Resources Map (Figures 1 & 2, Attachment B)	8/5/2021
Title	Date
Orthophotograph & Site Plan (Figures 3 and 4, Attachment B)	8/11/2021
Title	Date

Title

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

A full description of work to be completed is attached in the cover letter to this application.

Date



Boxford City/Town

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).

310 CMR 10.02(2)(b)(2)(i). Please refer to the attached Cover Letter for additonal information

- 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 aguaculture 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.)



Boxford City/Town

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:

John and Jessie McNulty	
Name	
63 Herrick Road	
Mailing Address	
Boxford	
City/Town	
MA	01921
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.

Cine L. Sally	8/11/2021
Signature of App/qant	Date
Smendre Howle	8/10/2021
Signature of Representative (if any)	Date



FILE COPY

 Image: Participation of the second second

Check Details

Check issued: 08/12/2021 Check number: 5334 From: Tighe & Bond, Inc. Amount: \$100.00 Payable to: Town of Boxford Delivered to: ajhoule@tighebond.com Documents: Yes - see Remittance below

Message from sender: Hi, attached is your Tighe & amp; Bond electronic ...

Notes

Activity

ACTIVITY TYPE	TIME	DATE
Tracy Houle issued check 5334	09:13 AM EDT	08/12/2021
Check 5334 file copy printed by Amanda Houle	14:41 PM EDT	08/12/2021

FILE COPY

TO: FAX NUMBER 781.433.7951 Carol Community Newspaper Company 254 Second Ave., Telecenter Needham, MA 02494 Tel: 781-433-6700

FROM: Ross Povenmire, Boxford Conservation Commission FAX NUMBER: (978) 887-0758

RE: <u>Hearing/Meeting Legal Notice</u>

I hereby authorize Community Newspaper Company to bill me directly for the legal notice published in the Tri Town Transcript Newspaper for a Conservation Notice.

(Print Legibly) Name: Tighe & Bond, c/o Debra Faille

Address: 53 Southhampton Road Westfield, MA 01085

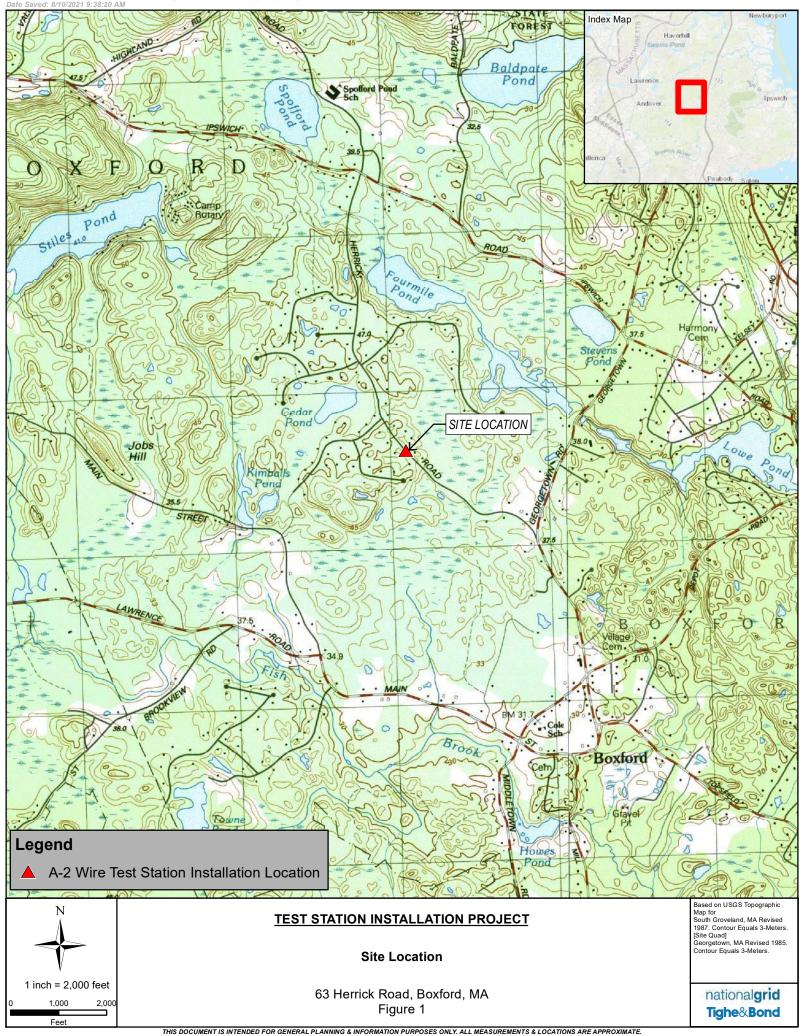
Phone: 4	413-572-3285
Signed:	Raina Volovski

If questions please call (978) 887-6000, ext. 182

ATTACHMENT **B**

FIGURES

File Location: V:\Projects\N\N5068\HerrickRoad_MA\MXD\HerrickRoad_MA_NGrid_Topo.mxd





Legend

SHETEDROAD

A-2 Wire Test Station Installation Location
 NHESP Potential Vernal Pools
 Hydrologic Connections
 Protected and Recreational Open Space
 NHESP Priority Habitats for Rare Species
 NHESP Estimated Habitats for Rare Wildlife
 Major Drainage Basin
 Sub Drainage Basin
 MassDEP Open Water
 MassDEP Inland Wetlands
 Water Bodies

- Parcel Boundary
- Municipal Boundary



HERRICS ROAD

Priority Resources

Based on MassGIS Color Orthophotography (2019). Data source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology Data valid as of August 2021. Parcels (FV2021) downloaded from MassGIS and are approximate.

1 inch = 200 feet 100 200

Feet

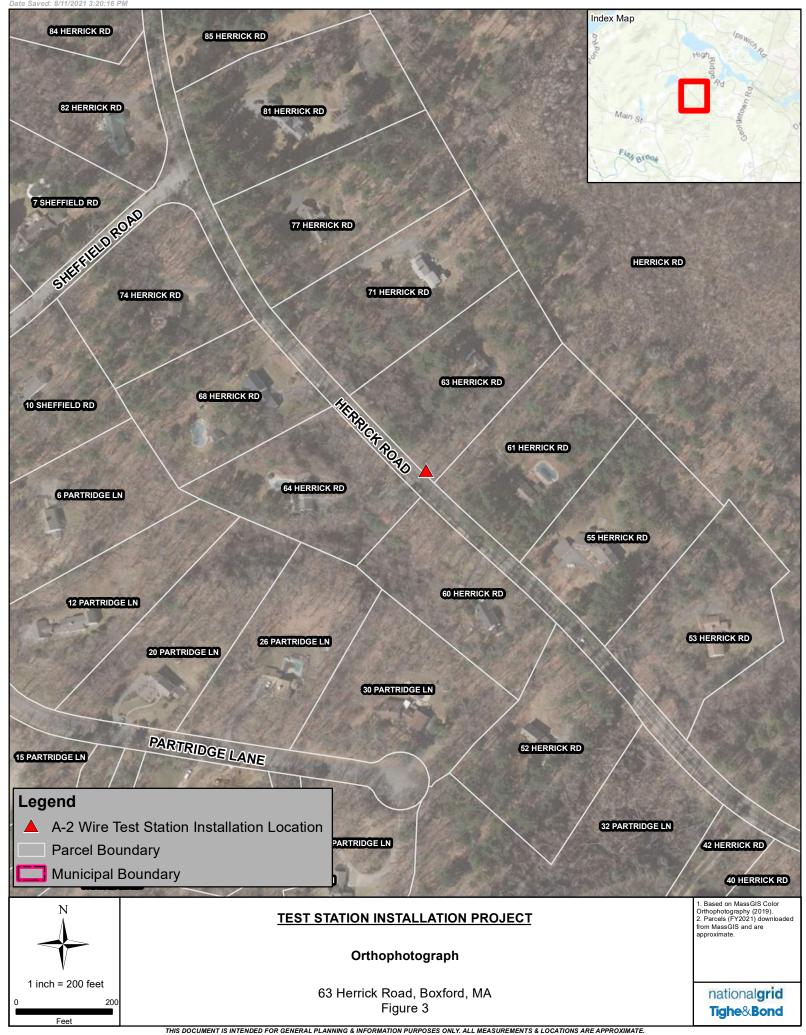
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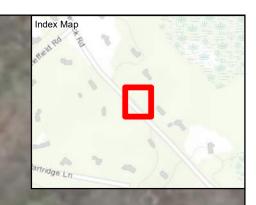
63 Herrick Road, Boxford, MA Figure 2

THIS DOCUMENT IS INTENDED FOR GENERAL PLANNING & INFORMATION PURPOSES ONLY. ALL MEASUREMENTS & LOCATIONS ARE APPROXIMATE.

nationalgrid Tighe&Bond

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63 HERRICK RD

61 HERRICK RD

Legend

- Oulvert
- ▲ A-2 Wire Test Station Installation Location

HERRICK ROAD

- Delineated Stream Bank
- Delineated Wetland Boundary
- 100-foot Buffer Zone
- Wetland Area*
- Work Area (10-foot x 10-foot)*
- Parcel Boundary
- Municipal Boundary "Indicates Layers Set to Transparency



TEST STATION INSTALLATION PROJECT

Site Plan

1. Based on MassGIS Color Orthophotography (2019). 2. Parcels (FY2021) downloaded from MassGIS and are approximate.

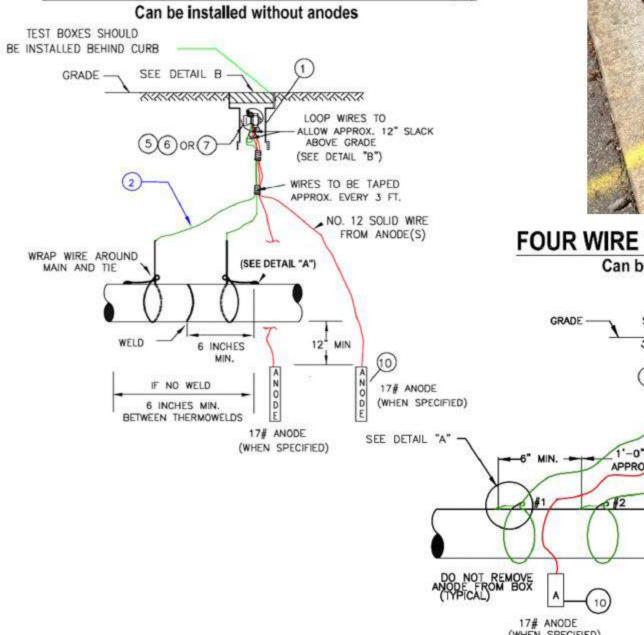
63 Herrick Road, Boxford, MA Figure 4

nationalgrid Tighe&Bond

THIS DOCUMENT IS INTENDED FOR GENERAL PLANNING & INFORMATION PURPOSES ONLY. ALL MEASUREMENTS & LOCATIONS ARE APPROXIMATE.

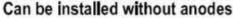
How is a test station actually installed?

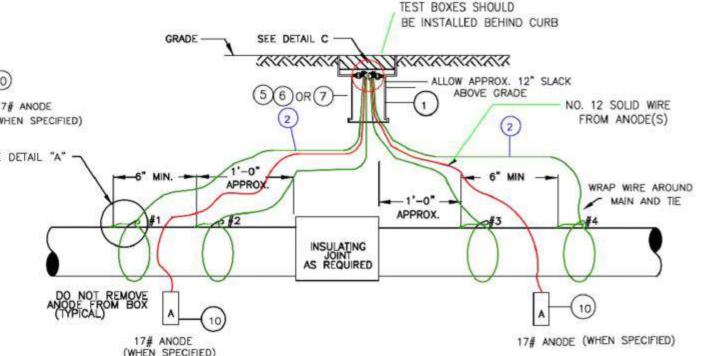
TWO WIRE TEST STATION WITH ANODE(S)





FOUR WIRE TEST STATION WITH ANODES





ATTACHMENT C

SITE PHOTOGRAPHS

Tighe&Bond

Client: Boston Gas Company

Job Number: N5068-130

Site: A-2 Test Station Installation, 63 Herrick Road, Boxford, Massachusetts

Photograph No.: 1	Date: 8/6/2021	Direction Taken: Northeast
Description: View of the gas service line to the re	e approximate location sidence at 63 Herrick	of the proposed test station (orange square), existing (red), and ties into the existing gas main (blue).
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Photograph No.: 2	Date: 8/6/2021	Direction Taken: Southeast
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Description: View southeast and upstream of the intermittent stream.



Job Number: N5068-130

Tighe&Bond

Client: Boston Gas Company

Site: A-2 Test Station Installation, 63 Herrick Road, Boxford, Massachusetts

Photograph No.: 3 Date: 8/6/2021	Direction Taken: Northwest
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Description: View of the north and upstream side of the intermittent stream and BVW.



Photograph No.: 4	Date: 8/6/2021	Direction Taken: Southeast

Description: View of the culvert outlet north of the existing driveway.



ATTACHMENT D

ABUTTER INFORMATION

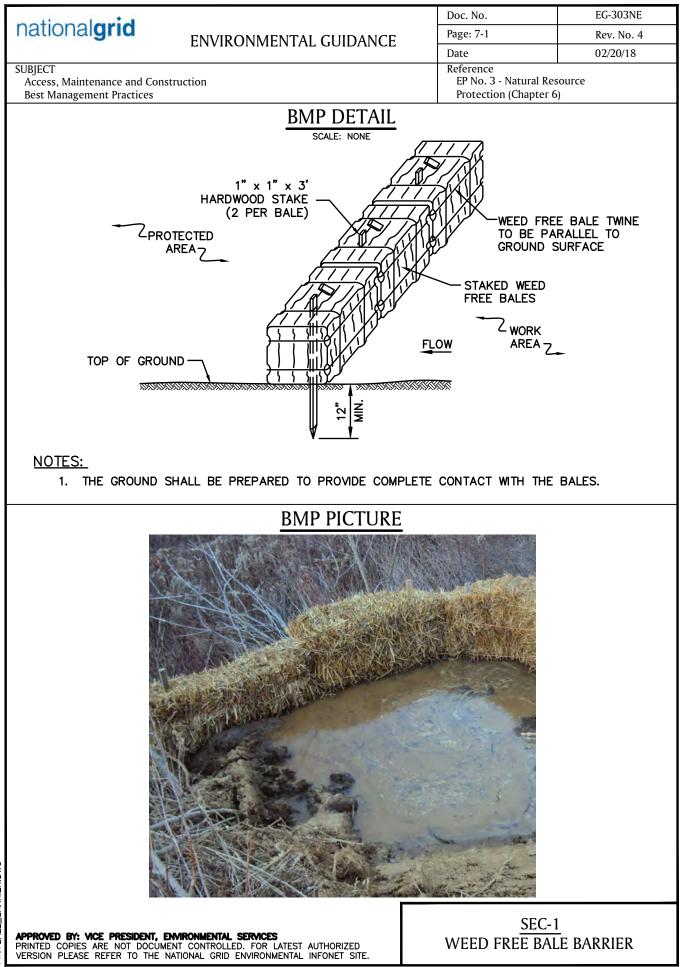
24-04-13 - 63 HERRICK RD, BOXFORD ABUTTERS LIST CONSERVATION COMMISSION 250'

Parcel ID	Location	Owner	Owner 2	Owner Address	Owner City/Town	Owner State	Zip Code
24-02-13	68 HERRICK RD	RICE CHRISTOPHER	RICE ANGELA	68 HERRICK RD	BOXFORD	MA	01921
24-02-14	64 HERRICK RD	FERRARO MICHAEL F TE	FERRARO MARY E	64 HERRICK RD	BOXFORD	MA	01921
24-02-15	60 HERRICK RD	BRANDT BENJAMIN M	BRANDT KAREN A	60 HERRICK RD	BOXFORD	MA	01921
24-02-06	30 PARTRIDGE LN	FLYNN ANN MARIE		30 PARTRIDGE LN	BOXFORD	MA	01921
24-02-07	26 PARTRIDGE LN	DEMARCO JOSEPH		26 PARTRIDGE LN	BOXFORD	MA	01921
24-04-11	55 HERRICK RD	GEMME ERIC A	GEMME LARISSA ANNE CALKA	55 HERRICK RD	BOXFORD	MA	01921
24-04-12	61 HERRICK RD	MCPARTLIN WALTER L TR	MCPARTLIN CAROLYN M TR	61 HERRICK RD	BOXFORD	MA	01921
24-04-13	63 HERRICK RD	MC NULTY JOHN M TE	MC NULTY JESSIE S	63 HERRICK RD	BOXFORD	MA	01921
24-04-14	71 HERRICK RD	KIM TOUCH	KIM SHELLY M	71 HERRICK RD	BOXFORD	MA	01921
24-04-15	77 HERRICK RD	COOK WILLARD E JR & SARAH F TRS	WILLARD E JR & SARAH F COOK REVO	77 HERRICK RD	BOXFORD	MA	01921
24-04-09-3	HERRICK RD	NEW ENGLAND FORESTRY	FOUNDATION	85 NEWBURY ST	BOSTON	MA	02116

CERTIFIED COPY 8/5/2021 Kristin Hanlon

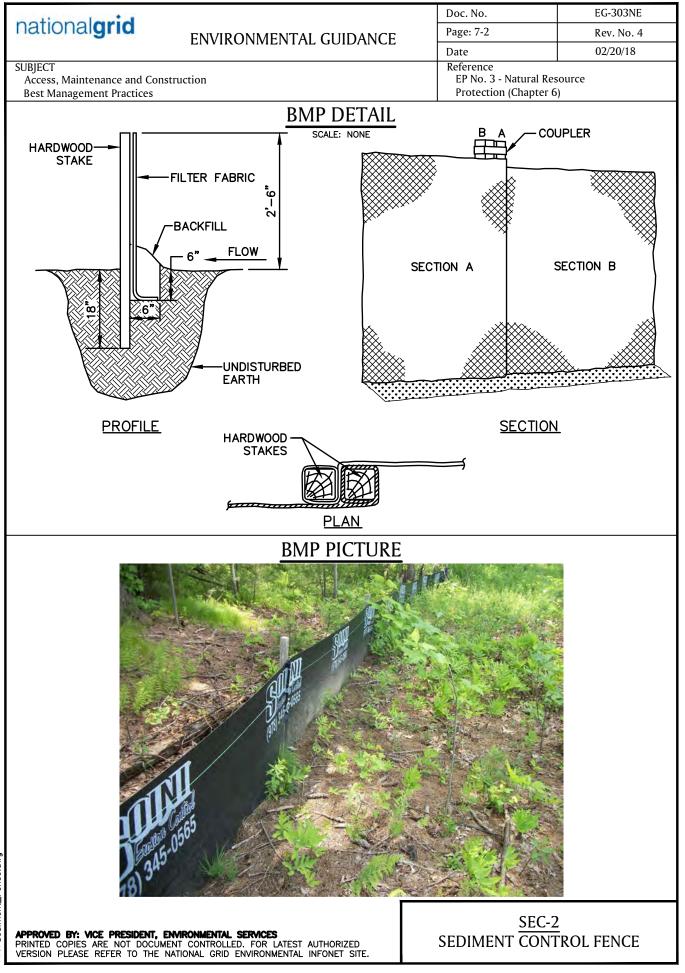
ATTACHMENT E

NATIONAL GRID BEST MANAGEMENT PRACTICES



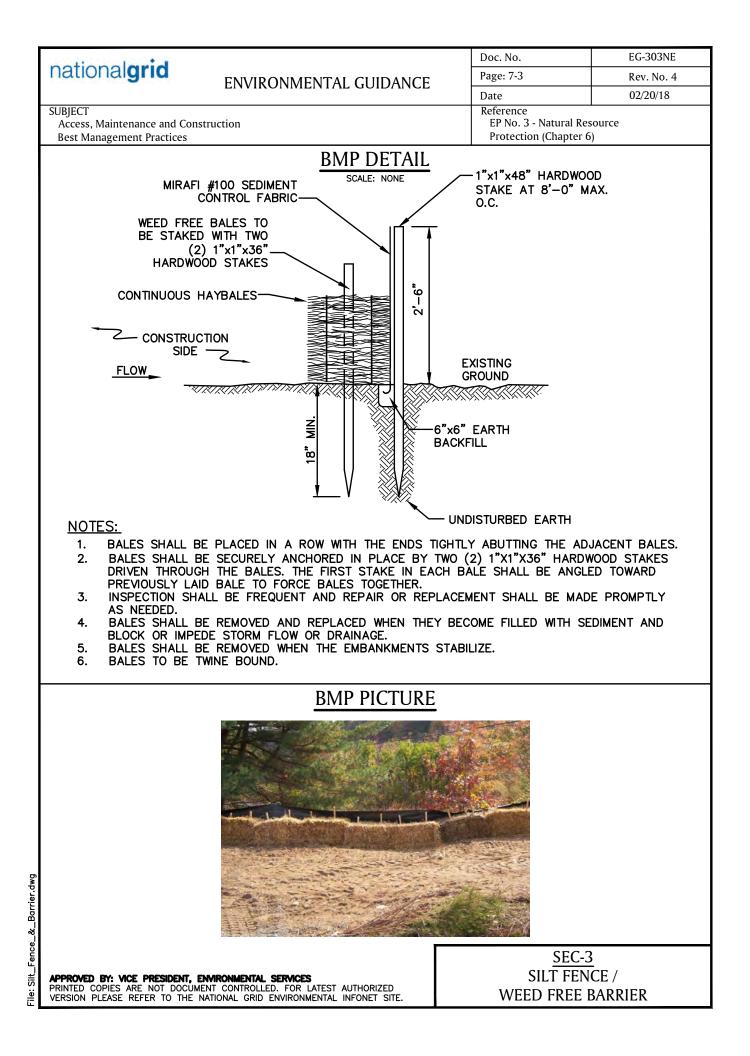
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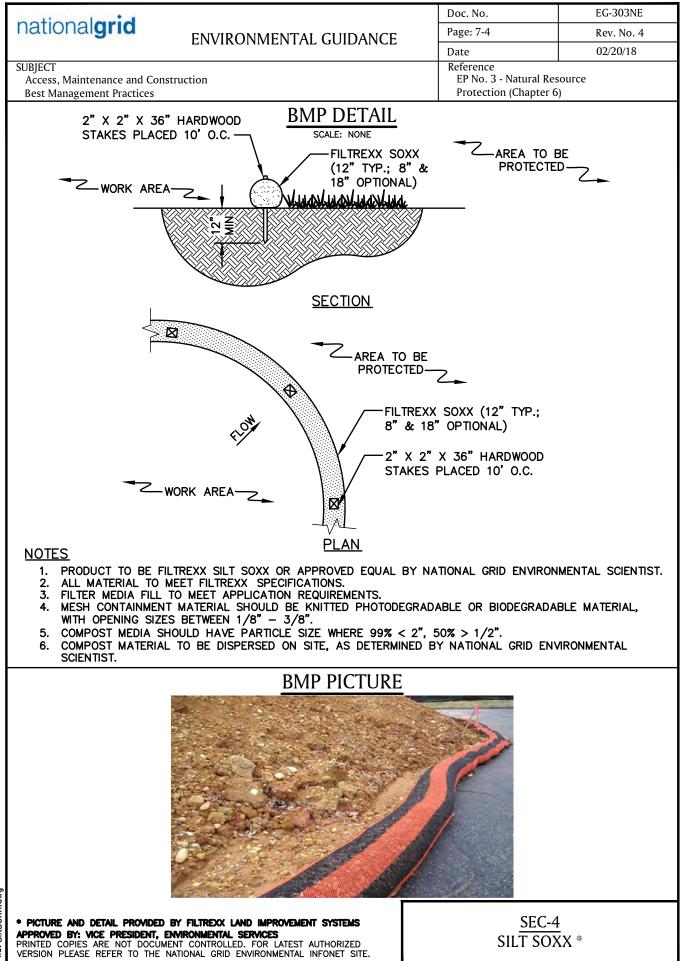
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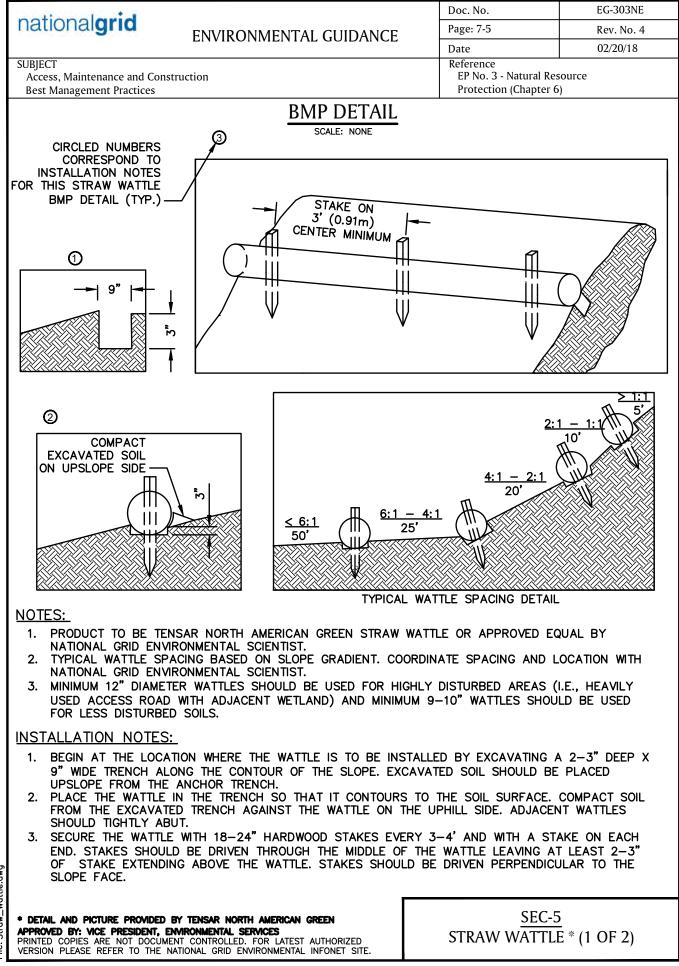
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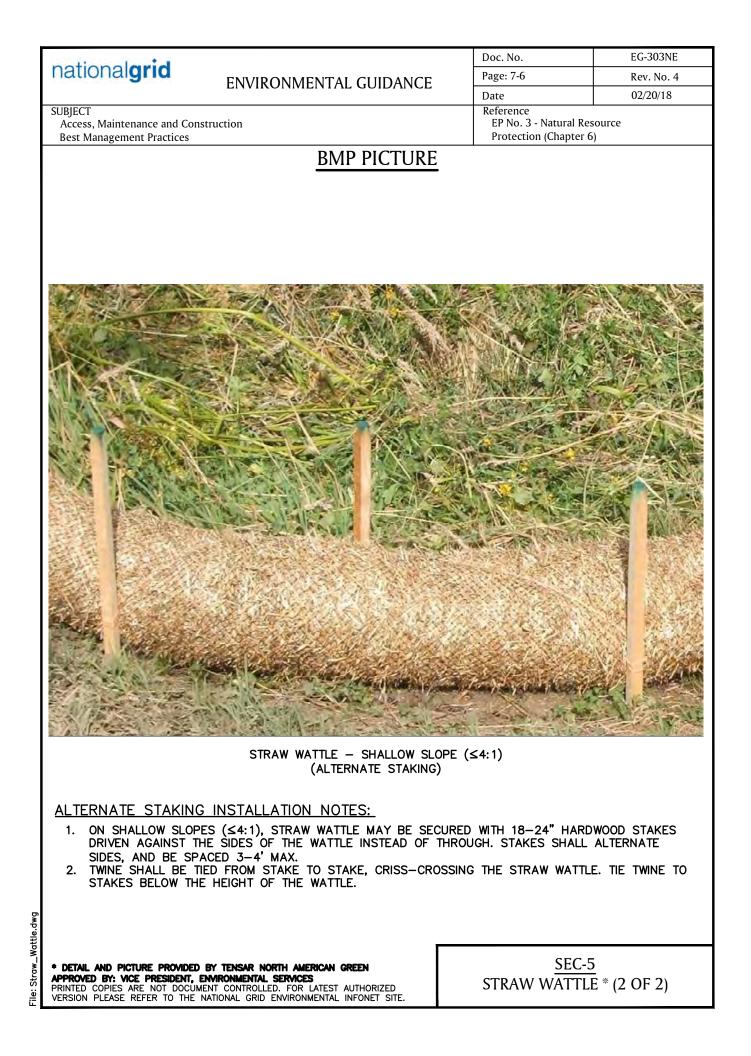


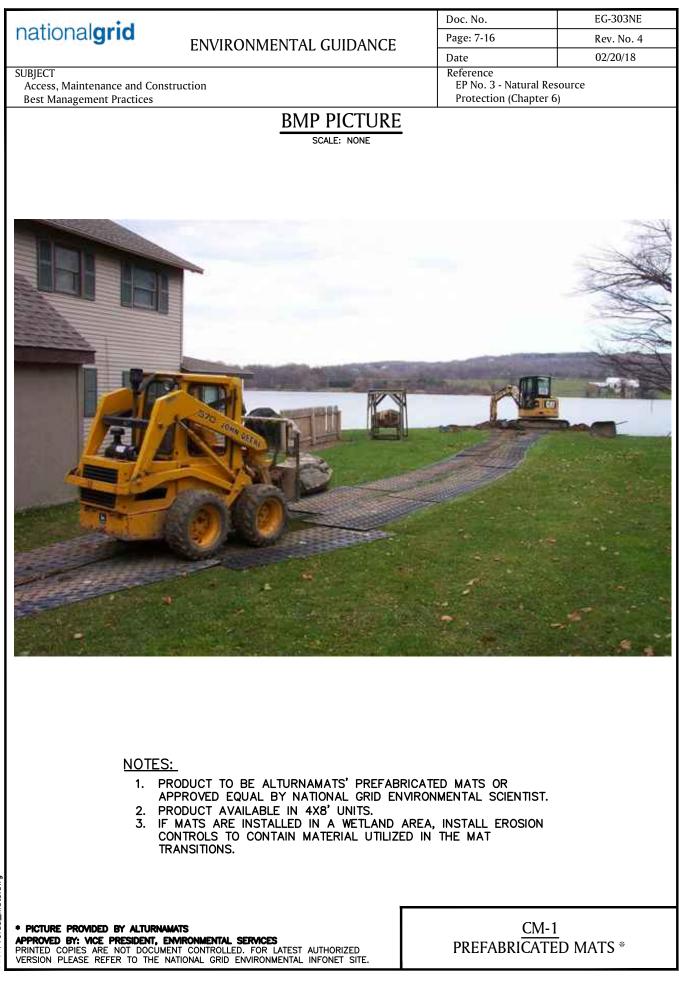
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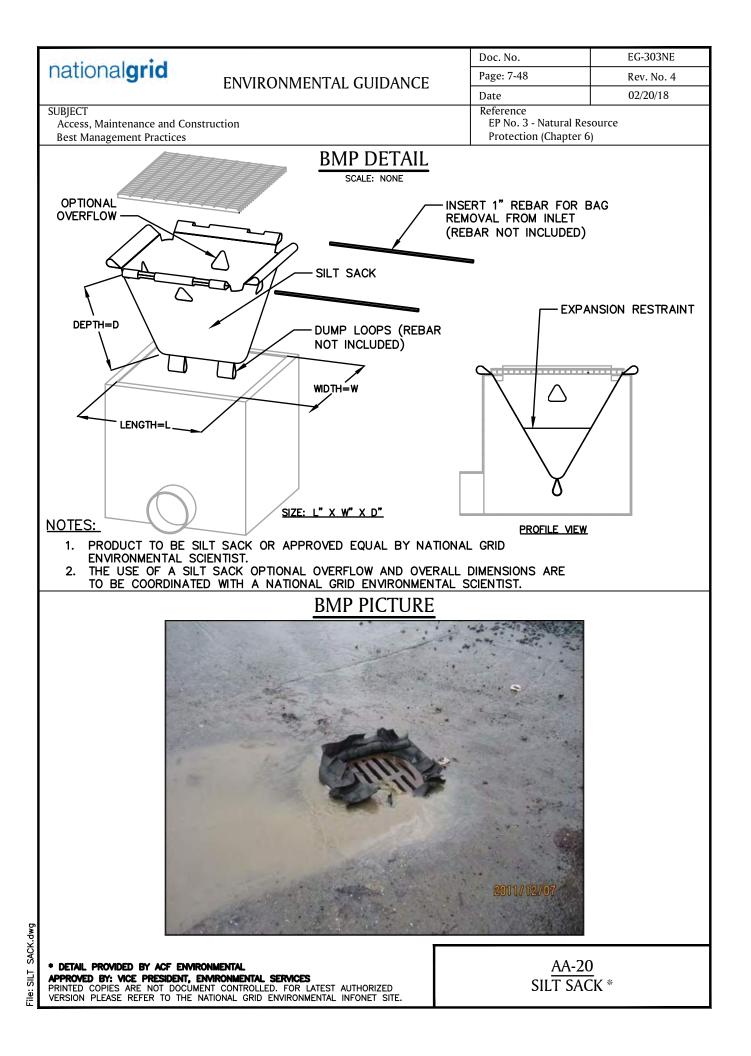


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www.tighebond.com

