

## Notice of Intent

July 2022

### WATER MAIN IMPROVEMENTS

PREPARED FOR:  
TOWN OF FOXBOROUGH

SUBMITTED TO:  
FOXBOROUGH CONSERVATION COMMISSION



July 22, 2022

Jane Pierce  
Conservation Agent  
Foxborough Conservation Commission  
40 South Street  
Town Hall, Room 204  
Foxborough, MA 02035

Re: **NOI Filing**  
**Water Main Improvements 2022**

Dear Members of the Commission:

On behalf of the Town of Foxborough, Weston & Sampson Engineers, Inc. is hereby enclosing eight (8) copies (including original) of the Notice of Intent submittal (including plans) to fulfill the requirements of the Massachusetts Wetlands Protection Act, M.G.L. Chapter 131, Section 40 submittal requirements and the Town of Foxborough submittal requirements. This submittal is a formal Notice of Intent for water main improvements along the following streets:

- South Street
- Sprague Road
- Cedar Street

As part of the filing, we have attached the following:

Appendix A: Project Description  
Appendix B: Stormwater Report  
Appendix C: Project Maps  
Appendix D: Applicable Technical Specifications  
Appendix E: Abutters Information  
Appendix F: Wetlands Memorandum

If you have any questions regarding this submittal, please contact me at (978) 532-1900.

Sincerely,

WESTON & SAMPSON ENGINEERS, INC.



Alexandra Gaspar  
Environmental Scientist

\\wse03.local\WSE\Projects\MA\Foxborough, MA\2200384 South Street WM Improvements\permitting\NOI\Cover Letters\Cover Letter to Con Com 2021.docx



Enter your transmittal number

X289218

Transmittal Number

Your unique Transmittal Number can be accessed online:

<http://www.mass.gov/eea/agencies/massdep/service/approvals/transmittal-form-for-payment.html>

Massachusetts Department of Environmental Protection

## Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: MassDEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

**Copy 1 - the original** must accompany your permit application. **Copy 2** must accompany your fee payment. **Copy 3** should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP  
P.O. Box 4062  
Boston, MA  
02211

**\* Note:**  
For BWSC Permits, enter the LSP.

### A. Permit Information

WPA Form 3

wetlands

1. Permit Code: 4 to 7 character code from permit instructions

2. Name of Permit Category

water main improvements

3. Type of Project or Activity

### B. Applicant Information – Firm or Individual

Town of Foxborough

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. Last Name of Individual

3. First Name of Individual

4. MI

70 Elm St

5. Street Address

Foxborough

MA

02035

508-543-1228

6. City/Town

7. State

8. Zip Code

9. Telephone #

10. Ext. #

Christopher Gallagher, DPW Director

cgallagher@foxboroughma.gov

11. Contact Person

12. e-mail address

### C. Facility, Site or Individual Requiring Approval

1. Name of Facility, Site Or Individual

South Street, Cedar Street, Sprague Road

2. Street Address

Foxborough

MA

02035

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

### D. Application Prepared by (if different from Section B)\*

Weston & Sampson

1. Name of Firm Or Individual

55 Walkers Brook Drive

2. Address

Reading

MA

01867

978-532-1900

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

Alexandra Gaspar

8. Contact Person

9. LSP Number (BWSC Permits only)

### E. Permit - Project Coordination

1. Is this project subject to MEPA review?  yes  no  
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

### F. Amount Due

#### Special Provisions:

1.  Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).  
*There are no fee exemptions for BWSC permits, regardless of applicant status.*  
2.  Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).  
3.  Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).  
4.  Homeowner (according to 310 CMR 4.02).

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

exempt

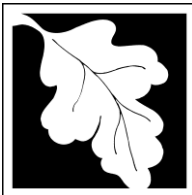
exempt

exempt

Check Number

Dollar Amount

Date



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Ch. 267

(To be provided by MassDEP)

MassDEP File Number

Foxborough  
Town

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



Note:  
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

## A. General Information

### 1. Project Location:

South Street, Cedar Street, Sprague Road	Foxborough	02035
a. Street Address	b. Town	c. Zip Code
Latitude and Longitude:	42deg 1' 56.907"N	71deg 16' 22.644"W
	d. Latitude	e. Longitude
multiple		
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

### 2. Applicant:

Christopher	Gallagher	
a. First Name	b. Last Name	
Town of Foxborough		
c. Organization		
70 Elm St		
d. Street Address		
Foxborough	MA	02035
e. City/Town	f. State	g. Zip Code
508-543-1228	cgallagher@foxboroughma.gov	
h. Phone Number	i. Fax Number	j. Email Address

### 3. Property owner (required if different from applicant): Check if more than one owner

a. First Name	b. Last Name	
c. Organization		
d. Street Address		
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email address

### 4. Representative (if any):

Alexandra	Gaspar	
a. First Name	b. Last Name	
Weston & Sampson Engineers		
c. Company		
55 Walkers Brook Dr Suite 100		
d. Street Address		
Reading	MA	01867
e. City/Town	f. State	g. Zip Code
978-532-1900	gaspara@wseinc.com	
h. Phone Number	i. Fax Number	j. Email address

### 5. Wetland Filing Fees Paid (to calculate fees, refer to attached NOI Wetland Fee Transmittal Form):

exempt	exempt	exempt	exempt
a. State WPA Fee/ <b>Total</b>	b. WPA Fee/ <b>State's Share</b>	c. WPA Fee/ <b>Town's Share</b>	d. Town Bylaw (Ch. 267) Fee



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Foxborough Wetlands Protection Bylaw, Ch. 267

(To be provided by MassDEP)

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Town

## A. General Information *(continued)*

6. General Project Description:  
water main improvement

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1.  Single Family Home
- 2.  Residential Subdivision
- 3.  Commercial/Industrial
- 4.  Dock/Pier
- 5.  Utilities
- 6.  N/A - Coastal engineering Structure
- 7.  Agriculture (e.g., cranberries, forestry)
- 8.  Transportation
- 9.  Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.53 (inland)?

1.  Yes  No      If yes, describe which limited project applies to this project. (See 310 CMR 10.53 for a complete list and description of limited project types)

310 10.24 (7)(b):The construction, reconstruction, operation and maintenance of underground and overhead public utilities

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Norfolk		0001	0001
a. County	b. Certificate # (if registered land)	c. Book	d. Page Number

## B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1.  Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, or Inland Bank.
- 2.  Inland Resource Areas (see 310 CMR 10.54-10.58).

*Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.*



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## B. Buffer Zone & Resource Area Impacts (temporary & permanent) (continued)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	(if any) Proposed Replacement
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	3. cubic yards dredged	
	12,802	12,802
	1. square feet	2. square feet
	0	0
e. <input type="checkbox"/> Isolated Land Subject to Flooding	3. cubic feet of flood storage lost	4. cubic feet replaced
	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
	Wading River, 2 unnamed	
f. <input checked="" type="checkbox"/> Riverfront Area (if checked, complete #1-6)	1. Name of Waterway (if available)	
2. Width of Riverfront Area (check one):		
<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only		
<input type="checkbox"/> 100 ft. - New agricultural projects only		
<input checked="" type="checkbox"/> 200 ft. - All other projects		
3. Total area of Riverfront Area on the site of the proposed project:	28,800 square feet	
4. Proposed alteration of the Riverfront Area:		
26,660	13,060	13,600
a. total square feet	b. square feet within 100 feet	c. square feet between 100 feet and 200 feet
5. Has an alternatives analysis been done and is it attached to this NOI? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Was the lot where the activity is proposed created prior to August 1, 1996? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3. <input checked="" type="checkbox"/> Bylaw Resource Areas (Foxborough Wetlands Protection Bylaw, Ch. 267; No Activity Zones)		
a. <input type="checkbox"/> 100 Foot Vernal Pool Adjacent Upland Resource Area		
b. <input checked="" type="checkbox"/> 25 Foot No Activity Zone		
4. <input type="checkbox"/> Restoration/Enhancement - If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b above, please enter the additional amount here.		
a. square feet of BVW		
5. <input checked="" type="checkbox"/> Project Involves Stream Crossings		
a. number of new stream crossings		3
		b. number of replacement stream crossings



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## C. Other Applicable Standards and Requirements

This is a proposal for an Ecological Restoration Limited Project. If checked, skip Section C and complete Appendix A: Ecological Restoration Notice of Intent – Required Actions (310 CMR 10.11).

### Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the Massachusetts Natural Heritage Atlas or go to [http://maps.massgis.state.ma.us/PRI\\_EST\\_HAB/viewer.htm](http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm).

a.  Yes  No

If yes, include proof of mailing or hand delivery of NOI to:  
Natural Heritage and Endangered Species Program  
Division of Fisheries and Wildlife, 1 Rabbit Hill Road  
Westborough, MA 01581 - Phone: (508) 389-6360

2022

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); **OR** complete Section C.1.f, if applicable. If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).

c. Submit Supplemental Information for Endangered Species Review\*

1.  Percentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2.  Assessor's Map or right-of-way plan of site

2.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*

(a)  Project description (include description of impacts outside of wetland resource area & buffer zone)

(b)  Photographs representative of the site

(c)  MESA filing fee - Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address (fee information available at <https://www.mass.gov/regulatory-review>)

Projects altering **10 or more acres** of land, also submit:

(d)  Vegetation cover type map of site

(e)  Project plans showing Priority & Estimated Habitat boundaries

(f) OR - see next page

\* Some projects **not** in Estimated Habitat may be located in Priority Habitat (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>) and require NHESP review. Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

\*\* MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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Town

## C. Other Applicable Standards and Requirements (continued)

(f) OR Check One of the Following

1.  *Project is exempt from MESA review.*  
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.59.)
2.  *Separate MESA review ongoing.*      a. NHESP Tracking # \_\_\_\_\_      b. Date submitted to NHESP \_\_\_\_\_
3.  *Separate MESA review completed.*  
Include copy of NHESP “no Take” determination or valid Conservation and Management Permit with approved plan.

3. For coastal projects only:  Not applicable in Foxborough

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a.  Yes     No      If yes, provide name of ACEC.

b. ACEC \_\_\_\_\_

5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a.  Yes     No

6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A)?

a.  Yes     No

7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a.  **Yes.** Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

1.  Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
2.  A portion of the site constitutes redevelopment
3.  Proprietary BMPs are included in the Stormwater Management System.

b.  **No.** Check why the project is exempt:

1.  Single-family house
2.  Emergency road repair
3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

8.  **This is a proposed Ecological Restoration Limited Project.** [If checked, skip Section D and complete Appendix A: Ecological Restoration NOI; Minimum Required Documents (310 CMR 10.12).]





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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Ch. 267

MassDEP File Number

Foxborough  
Town

## D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). *See instructions for details.*

1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site.
2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
3.  Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
4.  List the titles and dates for all plans and other materials submitted with this NOI.

South Street and Cedar Street Raw Water Main Improvements	
a. Plan Title	
Weston & Sampson Engineers	Tara McManus, PE, #
b. Prepared By	c. Signed and Stamped by
7/20/2022	1"=40'
d. Final Revision Date	e. Scale
f. Additional Plan or Document Title	g. Date
h. Additional Plan or Document Title	i. Date

5.  If more than one property owner, attach a list of property owners not listed on this form.
6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7.  Notice of Intent Application checklist
8.  Abutter Notification Form
9.  Affidavit of Service Form
10.  Attach Stormwater Report with signed, stamped Stormwater Checklist (unless exempt).

## E. Fees

1.  a. Fee Exempt: No filing fee shall be assessed for projects of any town, county, or district of the Commonwealth, municipal housing authority, or the Massachusetts Bay Transportation Authority.
- b. Applicants must submit the following information to confirm fee payment (*in addition to pages 1 and 2 of the attached NOI Wetland Fee Transmittal Form*):

2. Check Number (town share of state fee [see A.5.c., page 1])	3. Check date (town share of state fee)
4. Check Number (Bylaw filing fee [see A.5.d, page 1])	5. Check date (Bylaw filing fee)
6. State Check Number (state share of state fee [see A.5.b.])	7. Check date (state share of state filing fee)
8. First Name of Payor on checks	9. Last Name of Payor on checks



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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Ch. 267

MassDEP File Number

Foxborough

Town

#### F. Signatures and Submittal Requirements

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

I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I hereby grant permission, to the Agent or member of the Conservation Commission and the Department of Environmental Protection, to enter and inspect the area subject to this Notice at reasonable hours to evaluate the wetland resource boundaries, if included with this application, subject to this Notice, and to require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

Christal Selby \_\_\_\_\_ 7/15/22  
1. Signature of Applicant 2. Date

TOWN OF FOXBOROUGH \_\_\_\_\_ 7/21/22  
3. Signature of Property Owner (if different) 4. Date

\_\_\_\_\_ 7/21/22  
5. Signature of Representative (if any) 6. Date

#### Tax Collector's Release

The above referenced applicant is applying for a permit from the Conservation Commission and is in good standing with respect to any taxes, fees, assessments, betterments or other municipal charges as recorded with the Foxborough Treasurer's Office.

Paula Maloney \_\_\_\_\_ 7/21/22  
1. Signature of Tax Collector or Agent 2. Date

PARCEL  
131-007



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 3 – Notice of Intent**

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Foxborough Wetlands Protection Bylaw, Ch. 267

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Town

**F. Signatures and Submittal Requirements**

**Submittal Requirements** (please refer to NOI Filing Instructions, downloadable at [http://www.foxboroughma.gov/Pages/FoxboroughMA\\_Conservation/Forms](http://www.foxboroughma.gov/Pages/FoxboroughMA_Conservation/Forms))

**For Foxborough Conservation Commission:**

One original and seven (7) copies of this completed Notice of Intent (form 3), including supporting plans and documents (*listed at section D. "Additional Information"*), NOI Filing Check List, Abutter Notification, one copy of the NOI Wetland Fee Transmittal Form (*see following page; attached*), and the two town fee payments (Bylaw filing fee and town share of State filing fee), by certified mail or hand delivery to:

Foxborough Conservation Commission  
Town Hall, 40 South Street, Foxborough, MA 02035

**For MassDEP:**

One copy of this completed Notice of Intent (form 3), including supporting plans and documents (*listed at Section D*), one copy of the NOI Wetland Fee Transmittal Form (*attached*), and a **copy** of the state fee payment (for State share, see below) by certified mail or hand delivery to:

MassDEP Southeast Regional Office  
20 Riverside Drive, Lakeville, MA 02347

**State share of the filing fee** (check or money order, payable to the *Commonwealth of Massachusetts*) and the NOI Wetland Fee Transmittal Form by certified mail or hand delivery to:

Department of Environmental Protection  
Box 4062, Boston, MA 02211

**Other:**

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements. The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**NOI Wetland Fee Transmittal Form**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
 Foxborough Wetlands Protection Bylaw, Chapter 267



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



**A. Applicant Information**

1. Location of Project:  
 Sprague Rd, South St, Cedar ST \_\_\_\_\_ Foxborough \_\_\_\_\_  
 a. Street Address b. City/Town

2. Applicant Mailing Address:  
 Christopher \_\_\_\_\_ Gallagher \_\_\_\_\_  
 a. First Name b. Last Name  
 Town of Foxborough DPW \_\_\_\_\_  
 c. Organization  
 70 Elm St \_\_\_\_\_ Foxborough \_\_\_\_\_ MA \_\_\_\_\_ 02035 \_\_\_\_\_  
 d. Mailing Address e. City/Town f. State g. Zip Code  
 508-543-1228 \_\_\_\_\_ cgallagher@foxboroughma.gov96 \_\_\_\_\_  
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different from Applicant):  
 \_\_\_\_\_  
 a. First Name b. Last Name  
 \_\_\_\_\_  
 c. Organization  
 \_\_\_\_\_  
 d. Mailing Address e. City/Town f. State g. Zip Code  
 \_\_\_\_\_  
 h. Phone Number i. Fax Number j. Email Address

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

**B. Fees - Please see NOI Instructions before filling out worksheet.**

Fees should be calculated using the following process and the worksheet on the next page.

**Refer to** Conservation Commission's website to download the Town and State Filing Fee Schedules:  
[http://www.foxboroughma.gov/Pages/FoxboroughMA\\_Conservation/Forms](http://www.foxboroughma.gov/Pages/FoxboroughMA_Conservation/Forms)

**State Wetlands Protection Act (WPA) Filing Fee Instructions**

**Step 1/ Type of Activity:** Describe each type of activity that will occur in a wetland resource area and/or buffer zone (the area within 100 feet of a wetland, or 200 feet of a river).

**Step 2/ Number of Activities:** Identify the number of each type of activity.

**Step 3/ Individual Activity Fee:**  
 Identify each activity fee from the six project categories listed in the instructions.

**Step 4/ Subtotal Activity Fee:** Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount.

*Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.*

**Step 5/ Total State Project Fee:**  
 Determine the total project fee by adding the subtotal amounts from Step 4.

**Step 6a-c/ Fee Payments (State):**  
 To calculate the state share of the fee, divide the total fee in half and subtract \$12.50.  
 To calculate the town share of the fee, divide the total fee in half and add \$12.50.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**NOI Wetland Fee Transmittal Form**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Chapter 267



**B. Fees** (continued)

**Town Bylaw Filing Fee Instructions**

**Step 1a/ Type of Activity:**

Describe each type of activity that will occur in wetland resource area and buffer zone.

**Step 2a/ Number of Activities:** Identify the number of each type of activity.

**Step 3a/ Individual Activity Fee:** Identify each activity fee from the six project categories listed in the instructions.

**Step 4a/ Subtotal Activity Fee:** Multiply the number of activities (identified in Step 2a) times the fee per category (identified in Step 3a) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

**Step 5a/ Total Bylaw Project Fees:**

Determine the total project fee by adding the subtotal amounts from Step 4a.

**Step 6d/ Fee Payment (Bylaw):** *Insert Step 5a fee payment amount.*

Type of Activity	Number of Activities	Individual Activity Fee	Subtotal Activity Fee
<b>State Filing Fees:</b> (Step 1)	(Step 2)	(Step 3)	(Step 4)
			EXEMPT
<b>Total State Filing Fee:</b> (Step 5)			
<b>Bylaw Filing Fees:</b> (Step 1a)	(Step 2a)	(Step 3a)	(Step 4a)
<b>Total Bylaw Filing Fee:</b> (Step 5a)			
<b>Filing Fee Payments:</b> (Step 6)			
Total State Filing Fee:	(insert the following amount on this NOI form page 1, Section A.5.a)		a. Total <b>State</b> Fee from Step 5
<b>State's share of filing fee:</b> (Paid to State [Boston address])	(insert following amount on this NOI form page 1, Section A.5.b.)		b. 1/2 of (a), above, <b>less</b> \$12.50
<b>Town's share of filing fee:</b> (Paid to Town of Foxborough)	(insert following amount on this NOI form page 1, Section A.5.c.)		c. 1/2 of (a) above, <b>plus</b> \$12.50
<b>Bylaw Filing Fee:</b> (Paid to Town of Foxborough)	(insert following amount on this NOI form page 1, Section A.5.d.)		EXEMPT _____ d. Total <b>Bylaw</b> Fee from Step 5a



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**NOI Wetland Fee Transmittal Form**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Chapter 267



*See Submittal Requirements and Instructions on the next page.*

**C. Submittal Requirements**

a. **To Department of Environmental Protection:**

*For additional instructions, please refer to the Submittal Instructions on the last page (page 7) of the attached NOI Form (above).*

Complete pages 1 and 2 of this NOI Wetland Fee Transmittal Form and send with a check or money order for the **State share of the filing fee**, payable to the *Commonwealth of Massachusetts*.

Department of Environmental Protection  
Box 4062  
Boston, MA 02211

b. **To the Foxborough Conservation Commission:**

Send the Notice of Intent or Abbreviated Notice of Intent; one **copy** of this form and the Town fee payments (**Bylaw fee and town share of State fee**), payable to the *Town of Foxborough*.

Foxborough Conservation Commission  
40 South Street  
Foxborough, MA 02035

c. **To MassDEP Regional Office:**

Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment.

MassDEP, Southeast Regional Office  
20 Riverside Drive  
Lakeville, MA 02347

## **NOTICE OF INTENT APPLICATION CHECKLIST**

This checklist, which is referred to in the Conservation Commission's *Filing Instructions for Notices of Intent Under the Foxborough Wetlands Protection Bylaw, Chapter 267*, has been designed to efficiently assist the applicant and the Commission through the review process. It applies to all filings under the Foxborough Wetlands Protection Bylaw, Chapter 267 (unless otherwise specifically stated). Close adherence to this checklist and the referenced *Filing Instructions* is recommended.

All of the following information will be required, unless exempted in writing by the Commission. After completing each item below, please check the box next to the item and, when finished, **include a copy of the completed checklist in your NOI application package.**

### **INFORMATION TO BE INCLUDED IN NOTICE OF INTENT NARRATIVE**

#### **EXISTING CONDITIONS**

- Description of topography, soils, and geology
- Description of vegetation types (upland or wetlands community types and plant species)
- USGS quadrangle map (most recent version), with site location circled (locus map)
- National Flood Insurance Program (NFIP) Flood Insurance Rate Map (FIRM), and associated Flood Profile Study if available, with site location circled

#### **PROPOSED CONDITIONS**

- Description of activities, construction sequencing and estimated timetable, including future phases
- Description of indirect and direct impacts, both temporary and permanent, on wetland resource areas
- Calculations of lot's impervious areas, comparing pre-construction to post construction conditions
- Volume of fill required, if applicable, and source of fill
- Description of soil erosion and sediment control plan, including monitoring and measures to be taken to prevent negative impacts to resource areas
- Detailed mitigation plan for activities in the buffer zone to prevent long term, indirect impacts to adjacent resource areas
- Description of storm water management plan, including existing and proposed drainage areas
- Description of wastewater management plan, if applicable
- Description of wetlands restoration plan, if proposed, including area to be restored with existing and proposed topography contours (at one-foot intervals), description of soils, stockpile areas, plantings (including Latin names of plants/seeds and source of materials [both plants and soils]), invasive species eradication and monitoring plan and a timetable of proposed work.

### **SITE VISIT REQUIREMENTS FOR REVIEW OF NOTICE OF INTENT**

The following markings and flagging must be in place before the field inspection, where applicable. Failure to properly stake and mark the site may result in delays, non-review, or denial of a proposed project.

- Edges of wetlands must be flagged with numbered flags, as reflected on submitted project plans
- House number must be visible from the street, if work is proposed at a pre-existing house; if no house is on the property, the lot number must be posted and visible.
- Property boundaries must be staked with numbered stakes at all corners
- All proposed structures or additions, including decks, must be staked for identification purposes at all corners; stakes must be numbered and labeled, as reflected on submitted project plans
- Locations of septic tank, leaching field and wells (if in the buffer zone) must be staked and labeled

## INFORMATION TO BE INCLUDED ON SITE PLANS

### ALL PLANS

- Title Box: Include the date, name and address of proposed project; owner and/or applicant name; preparer's name; scale (1 inch = 30 feet or less); north arrow; assessor's map/parcel number
- Stamp/Signature: Plan to be prepared and stamped by a registered professional engineer (PE) or land surveyor, as appropriate. At least one original signed copy of each plan must be submitted  
*(Note: The professional who stamps the original plans must also stamp, sign and date revisions.)*
- Locus Map: Include on a corner of plan's first page, at least 3" x 3" in size
- Topography: Contours at two-foot intervals or less; NAVD88 elevations (if available), or assumed datum and location of benchmark elevation
- Project Site: Include lot size(s) and property boundaries.
- Abutting Properties: Property owner names and property lines of abutting land parcels
- Watershed Areas: For projects that alter the stormwater runoff from the site, identify total watershed area in which site is located, all sub-watersheds on site, and on- and off-site discharge points
- Test Pits: Location, date and soil summaries of all soil borings and test pits on site; location, date and readings of groundwater level measurements on site
- Stone walls or other barriers located between the area of work and the area(s) subject to protection
- Easements: Location and type of easements, both on site and within 50 feet of property line

### Resource Areas and Buffer Zones

- Wetland Resource Areas: Boundaries of wetland resource areas on or within 100 feet of the proposed project area (200 feet for perennial streams and rivers), with flow directions, if applicable
- Wetland Flags: Numbered flags/stakes; note date of flagging and name/firm of delineator/botanist
- Bank: Delineate the banks of streams, rivers, ponds and/or lakes
- 25 Foot No Activity Zone (Chapter 267)
- Bordering Land Subject to Flooding, including 100-year storm elevation (FEMA floodplain or highest observed or recorded elevation)
- Isolated Land Subject to Flooding, including highest observed or recorded water level
- Vernal Pools, (all) including highest observed or recorded water level
- Certified Vernal Pools: Boundary of 100 foot No Activity Zone (Chapter 267)
- High Water Level for all water bodies, from best available data (data source must be cited)
- Riverfront Area: Boundaries of 100 Foot Inner Riparian Area and 200 Foot Outer Riparian Area
- Mean Annual High Water Line (MAHWL) of any river
- 100 Foot Buffer Zone (100-foot radius from all wetland resources areas)

### EXISTING CONDITIONS PLANS

- Existing Topography: Contours at two-foot intervals or less
- Above-Ground: All on-site above-ground structures, roadways, access ways, stone walls, fences
- Below-Ground: All on-site below-ground structures, including but not limited to utility lines, drainage structures, septic systems, cesspools, wells, storage tanks

### PROPOSED CONDITIONS PLANS

- Proposed Topography: Contours at two-foot intervals or less; NAVD88 elevations or assumed datum
- Limit of Work: delineate all areas where vegetation or soil will be altered
- Erosion Controls: locations and type of temporary erosion controls, including installation details
- Stockpiles: locations of stockpiles
- Fill: Note the amount of fill required to be added or removed (in cubic yards and maximum thickness); pre- and post- development grades on all slopes



### **PROPOSED CONDITIONS PLANS** (continued)

- Construction Equipment** access routes and storage/parking areas during proposed work
- Construction Details**, including cross-sections and elevations of drainage structures (including but not limited to catch basins, leaching basins, dry wells, swales, retention areas, ditches, etc.) and road crossings in wetland resource areas
- Above-Ground Alterations**: All on-site structures, roadways, access ways, stone walls, fences, and all other physical alterations proposed in the buffer zone; location and elevation of lowest floor of all structures; identify roadway or surface material proposed
- Below-ground Alterations**: All on-site below-ground alterations and structures in the buffer zone, including but not limited to utility lines, drainage structures, septic systems, cesspools, wells, tanks
- Drainage Patterns**: Existing natural drainage patterns and proposed alterations
- Distance** of proposed on-site leaching facility to wetlands or other resource areas
- Distance** of proposed alteration to wetlands or other resource areas
- Wells**: Location of all existing and proposed wells on property and within 200 feet of project on abutting properties, and minimum distance to all septic systems

### **DOCUMENT SUBMISSION DEADLINES**

#### **NOI Application:**

All documentation (including plans, maps, tables, charts, reports, etc.) to be considered as part of an applicant's permit filing must be submitted to the Commission by the application deadline, as posted in the Conservation Office in Town Hall and on the Commission's website. Application forms, instructions and deadlines can all be downloaded on the Commission's website:

[http://www.foxboroughma.gov/Pages/FoxboroughMA\\_Conservation/index](http://www.foxboroughma.gov/Pages/FoxboroughMA_Conservation/index)

#### **Continued Hearing Submissions:**

***All document and plan revisions must be received by the Conservation Department at least four business days before a scheduled (continued) hearing date.***

Four days is the minimum time needed to allow the Conservation Commission and Conservation Manager to properly review and analyze new submissions. Documents that are not submitted at least four business days before the date of a continued hearing may be excluded from consideration during that hearing and held for discussion during a future Conservation Commission meeting.

## APPENDIX A

## PROJECT DESCRIPTION

### Background

The aim of this project is to install approximately 3 miles of new water main from the Sprague Road Wells area to the Witch Pond Water Treatment Plant. This will enable the Town to treat the well water at the Water Treatment Plan and improve the quality of the drinking water for their customers.

### Site Description

The project area is entirely within roadway that is surrounded by residential area. Work will occur on Sprague Road, South Street, and Cedar Street.

### Scope of Work

The water main work will include installing approximately 3 miles of new 12-inch ductile iron raw water main from the Sprague Street Wells to the Witch Pond Treatment Plant. The work will include the average excavation of approximately 5-feet wide by 6-feet deep trenching. The old water main will remain in place and in use from the Sprague Street Wells to the Witch Pond Water Treatment Plant. Soil excavated from the trench that is suitable for backfill will be stockpiled adjacent to the trench until the new pipe has been put in place. Immediately after installation of the new water main, the trench will be backfilled with suitable backfill material. At the end of each week, the trench will be paved with temporary pavement or plated with steel trench plates (if required). At the end of the project, a minimum of 12" beyond each side of the trench limits will be permanently paved.

The project will also include installation of new hydrants and valves on the new water main, and trench and final pavement within the project area.

### Dewatering, Environmental Control and Protection

If dewatering is needed for this project, water will be pumped into a dewatering basin that will be constructed of straw bales around the perimeter with filter fabric lining the bottom and edges of the basin or into a proprietary dewatering catchment system. The filtered water will either flow into an existing stormwater system or will be allowed to naturally infiltrate back into the ground while trapping any sediment that may be present due to the trenching and dewatering process.

As part of the water main replacement work, catch basin protection will be used to prevent sediment from entering the stormwater system. This protection will include filter fabric bags. Filter fabric bags shall be securely installed under the catch basin grate. Care shall be taken to keep the filtration fabric from breaking apart or clogging. All deposited sediment shall be removed periodically and at times prior to predicted precipitation to allow free drainage flow. Prior to working in areas where catch basins are to be protected, each catch basin sump shall be cleaned of all debris and protected.

Where available, road curb will act to prevent sedimentation from migrating off the road. The work will remain within previously altered/disturbed areas (the road) and proper construction practices will be undertaken. Where necessary, compost filter tubes will be placed along the roadway adjacent to resource areas to prevent the potential migration of sediment-laden runoff into the resource areas. Compost filter tubes will be inspected periodically and at times prior to predicted precipitation to assure their effectiveness. Accumulated sediment shall be periodically removed from the face of the compost filter tubes as needed during construction.

### Environmental Considerations

Work will occur in the 200' foot riverfront area, bordering land subject to flooding, and in the 100' buffer zone to a Bordering Vegetated Wetland. Work will also occur within the 25' No Activity Zone, an area protected by the Town of Foxborough Wetland Bylaw. Work is occurring entirely within

roadway, and thus no impacts to these areas is anticipated. Proper erosion and sedimentation control will be used to prevent any adverse impact. Below are the general performance standards for the applicable resource areas and our responses to those standards.

#### Bordering Land Subject to Flooding

1. **Compensatory storage shall be provided for all flood storage volume that will be lost as the result of a proposed project within Bordering Land Subject to Flooding, when in the judgment of the issuing authority said loss will cause an increase or will contribute incrementally to an increase in the horizontal extent and level of flood waters during peak flows. Compensatory storage shall mean a volume not previously used for flood storage and shall be incrementally equal to the theoretical volume of flood water at each elevation, up to and including the 100-year flood elevation, which would be displaced by the proposed project. Such compensatory volume shall have an unrestricted hydraulic connection to the same waterway or water body. Further, with respect to waterways, such compensatory volume shall be provided within the same reach of the river, stream, or creek.**

No flood storage will be lost as part of this project. All work will be within roadway with no volume added in the flood zone.

2. **Work within Bordering Land Subject to Flooding, including that work required to provide the above-specified compensatory storage, shall not restrict flows so as to cause an increase in flood stage or velocity.**

All work will be within roadway. There will be no impact to flood stage or velocity since there will be no volume added to the flood zone.

3. **Work in those portions of bordering land subject to flooding found to be significant to the protection of wildlife habitat shall not impair its capacity to provide important wildlife habitat functions. Except for work which would adversely affect vernal pool habitat a project or projects on a single lot, for which Notice(s) of Intent is filed on or after November 1, 1987, that (cumulatively) alter(s) up to 10% or 5,000 square feet (whichever is less) of land in this resource area found to be significant to the protection of wildlife habitat, shall not be deemed to impair its capacity to provide important wildlife habitat functions. Additional alterations beyond the above threshold, or altering vernal pool habitat, may be permitted if they will have no adverse effects on wildlife habitat, as determined by procedures contained in 310 CMR 10.60.**

Because work will not occur in a natural habitat area, (work is occurring within roadway) work will not impact wildlife habitat. Proper erosion control will be used to prevent any impacts to abutting natural habitats.

#### 200' Riverfront Area

Each standard for work in riverfront for redevelopment projects area (per 310 CMR 10.58 (5)) are provided below, followed by an explanation on how the project meets each standard.

1. **At a minimum, proposed work shall result in an improvement over existing conditions of the capacity of the riverfront area to protect the interests identified in M.G.L. c. 131 § 40.**

This project is occurring entirely within existing roadway, thus no improvements to riverfront conditions are anticipated.

2. **Stormwater management is provided according to standards established by the Department.**

Per Appendix C of the Notice of Intent, this project will adhere to the stormwater standards established by the Department.

3. **Within 200 foot riverfront areas, proposed work shall not be located closer to the river than existing conditions or 100 feet, whichever is less, or not closer than existing conditions within 25 foot riverfront areas, except in accordance with 310 CMR 10.58(5)(f) or (g).**

Proposed work will not occur closer to the river than existing conditions. Work will occur entirely within roadway and no negative impacts to riverfront are anticipated.

4. **Proposed work, including expansion of existing structures, shall be located outside the riverfront area or toward the riverfront area boundary and away from the river, except in accordance with 310 CMR 10.58(5)(f) or (g).**

Work will not be outside the riverfront area or toward the riverfront area boundary, however the work will be in accordance with 310 CMR 10.58(5)(f) as all of the work is within a degraded riverfront area (roadway), which does not provide optimal riverfront area habitat.

5. **The area of proposed work shall not exceed the amount of degraded area, provided that the proposed work may alter up to 10% if the degraded area is less than 10% of the riverfront area, except in accordance with 310 CMR 10.58(5)(f) or (g).**

The area of proposed work within the riverfront area is 26,660 sf. Total riverfront area on the parcel is 28,800 sf. Thus, 93 percent of the site's riverfront area will be altered. The work will be in accordance with 310 CMR 10.58(5)(f) as all of the work is within a degraded riverfront area (roadway), which does not provide optimal riverfront area habitat).

6. **When an applicant proposes restoration on-site of degraded riverfront area, alteration may be allowed notwithstanding the criteria of 310 CMR 10.58(5)(c), (d), and (e) at a ratio in square feet of at least 1:1 of restored area to area of alteration not conforming to the criteria. Areas immediately along the river shall be selected for restoration. Alteration not conforming to the criteria shall begin at the riverfront area boundary. Restoration shall include:**
  1. removal of all debris, but retaining any trees or other mature vegetation;
  2. grading to a topography which reduces runoff and increases infiltration;
  3. coverage by topsoil at a depth consistent with natural conditions at the site; and
  4. seeding and planting with an erosion control seed mixture, followed by plantings of herbaceous and woody species appropriate to the site;

No restoration efforts are proposed as work is occurring entirely within roadway. No natural habitat will be impacted.

7. **When an applicant proposes mitigation either on-site or in the riverfront area within the same general area of the river basin, alteration may be allowed notwithstanding the criteria of 310 CMR 10.58(5)(c), (d), or (e) at a ratio in square feet of at least 2:1 of mitigation area to area of alteration not conforming to the criteria or an equivalent level of environmental protection where square footage is not a relevant measure. Alteration not conforming to the criteria shall begin at the riverfront area boundary. Mitigation may include off-site restoration of riverfront areas, conservation restrictions under M.G.L. c. 184, §§ 31 through 33 to preserve undisturbed riverfront areas that could be otherwise altered under 310 CMR 10.00, the purchase of development rights within the riverfront area, the restoration of bordering vegetated wetland, projects to remedy an existing adverse impact on the interests identified in M.G.L. c. 131, § 40 for which the applicant is not legally responsible, or similar activities undertaken voluntarily by the applicant which will support a determination by the issuing**

authority of no significant adverse impact. Preference shall be given to potential mitigation projects, if any, identified in a River Basin Plan approved by the Secretary of the Executive Office of Energy and Environmental Affairs.

Not applicable.

8. The issuing authority shall include a continuing condition in the Certificate of Compliance for projects under 310 CMR 10.58(5)(f) or (g) prohibiting further alteration within the restoration or mitigation area, except as may be required to maintain the area in its restored or mitigated condition. Prior to requesting the issuance of the Certificate of Compliance, the applicant shall demonstrate the restoration or mitigation has been successfully completed for at least two growing seasons.

Not applicable

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## APPENDIX B



# Checklist for Stormwater Report

## A. Introduction

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



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the [Massachusetts Stormwater Handbook](#). The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.<sup>1</sup> This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8<sup>2</sup>
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

<sup>1</sup> The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

<sup>2</sup> For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.





# Checklist for Stormwater Report

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## B. Stormwater Checklist and Certification

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

*Note:* Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

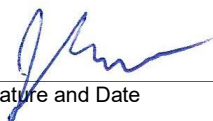
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### Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature



 7/21/2022  
Signature and Date

---

## Checklist

**Project Type:** Is the application for new development, redevelopment, or a mix of new and redevelopment?

- New development
- Redevelopment
- Mix of New Development and Redevelopment



# Checklist for Stormwater Report

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## Checklist (continued)

**LID Measures:** Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- No disturbance to any Wetland Resource Areas
- Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- Reduced Impervious Area (Redevelopment Only)
- Minimizing disturbance to existing trees and shrubs
- LID Site Design Credit Requested:
  - Credit 1
  - Credit 2
  - Credit 3
- Use of “country drainage” versus curb and gutter conveyance and pipe
- Bioretention Cells (includes Rain Gardens)
- Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- Treebox Filter
- Water Quality Swale
- Grass Channel
- Green Roof
- Other (describe): \_\_\_\_\_

### Standard 1: No New Untreated Discharges

- No new untreated discharges
- Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 2: Peak Rate Attenuation

- Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.
- Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.
- Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

### Standard 3: Recharge

- Soil Analysis provided.
- Required Recharge Volume calculation provided.
- Required Recharge volume reduced through use of the LID site Design Credits.
- Sizing the infiltration, BMPs is based on the following method: Check the method used.
  - Static
  - Simple Dynamic
  - Dynamic Field<sup>1</sup>
- Runoff from all impervious areas at the site discharging to the infiltration BMP.
- Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:
  - Site is comprised solely of C and D soils and/or bedrock at the land surface
  - M.G.L. c. 21E sites pursuant to 310 CMR 40.0000
  - Solid Waste Landfill pursuant to 310 CMR 19.000
  - Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.
- Calculations showing that the infiltration BMPs will drain in 72 hours are provided.
- Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

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<sup>1</sup> 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 3: Recharge (continued)

- The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.
- Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

### Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
  - Provisions for storing materials and waste products inside or under cover;
  - Vehicle washing controls;
  - Requirements for routine inspections and maintenance of stormwater BMPs;
  - Spill prevention and response plans;
  - Provisions for maintenance of lawns, gardens, and other landscaped areas;
  - Requirements for storage and use of fertilizers, herbicides, and pesticides;
  - Pet waste management provisions;
  - Provisions for operation and management of septic systems;
  - Provisions for solid waste management;
  - Snow disposal and plowing plans relative to Wetland Resource Areas;
  - Winter Road Salt and/or Sand Use and Storage restrictions;
  - Street sweeping schedules;
  - Provisions for prevention of illicit discharges to the stormwater management system;
  - Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
  - Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
  - List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.
- A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.
  - Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:
    - is within the Zone II or Interim Wellhead Protection Area
    - is near or to other critical areas
    - is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
    - involves runoff from land uses with higher potential pollutant loads.
  - The Required Water Quality Volume is reduced through use of the LID site Design Credits.
  - Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 4: Water Quality (continued)

- The BMP is sized (and calculations provided) based on:
  - The ½" or 1" Water Quality Volume or
  - The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.
- The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.
- A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

### Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

- The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.
- The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted **prior to** the discharge of stormwater to the post-construction stormwater BMPs.
- The NPDES Multi-Sector General Permit does **not** cover the land use.
- LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.
- All exposure has been eliminated.
- All exposure has **not** been eliminated and all BMPs selected are on MassDEP LUHPPL list.
- The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

### Standard 6: Critical Areas

- The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.
- Critical areas and BMPs are identified in the Stormwater Report.



# Checklist for Stormwater Report

---

## Checklist (continued)

### Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

- The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:
  - Limited Project
    - Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
    - Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
    - Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
    - Bike Path and/or Foot Path
    - Redevelopment Project
    - Redevelopment portion of mix of new and redevelopment.
  - Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.
  - The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

### Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
  - Construction Period Operation and Maintenance Plan;
  - Names of Persons or Entity Responsible for Plan Compliance;
  - Construction Period Pollution Prevention Measures;
  - Erosion and Sedimentation Control Plan Drawings;
  - Detail drawings and specifications for erosion control BMPs, including sizing calculations;
  - Vegetation Planning;
  - Site Development Plan;
  - Construction Sequencing Plan;
  - Sequencing of Erosion and Sedimentation Controls;
  - Operation and Maintenance of Erosion and Sedimentation Controls;
  - Inspection Schedule;
  - Maintenance Schedule;
  - Inspection and Maintenance Log Form.
- A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.



# Checklist for Stormwater Report

---

## Checklist (continued)

### Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

- The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has **not** been included in the Stormwater Report but will be submitted **before** land disturbance begins.
- The project is **not** covered by a NPDES Construction General Permit.
- The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.
- The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

### Standard 9: Operation and Maintenance Plan

- The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:
  - Name of the stormwater management system owners;
  - Party responsible for operation and maintenance;
  - Schedule for implementation of routine and non-routine maintenance tasks;
  - Plan showing the location of all stormwater BMPs maintenance access areas;
  - Description and delineation of public safety features;
  - Estimated operation and maintenance budget; and
  - Operation and Maintenance Log Form.
- The responsible party is **not** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:
  - A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
  - A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

### Standard 10: Prohibition of Illicit Discharges

- The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;
- An Illicit Discharge Compliance Statement is attached;
- NO Illicit Discharge Compliance Statement is attached but will be submitted **prior to** the discharge of any stormwater to post-construction BMPs.

**Stormwater Report**  
To Be Submitted with the Notice of Intent

Applicant/Project Name: Town of Foxborough

Project Address: Cedar Street, South Street, Sprague Road., Foxborough, MA

Application Prepared by:

Firm:	Weston & Sampson, Inc.
Registered PE	James Pearson, P.E.

Below is an explanation concerning Standards 1-10 as they apply to the Town of Foxborough – South Street Watermain project.

**General:**

The water main work will include installing approximately 3 miles of new 12-inch ductile iron raw water main from the Sprague Street Wells to the Witch Pond Treatment Plant. The work will include the average excavation of approximately 5-feet wide by 6-feet deep trenching. The old water main will remain in place and in use from the Sprague Street Wells to the Witch Pond Water Treatment Plant. Soil excavated from the trench that is suitable for backfill will be stockpiled adjacent to the trench until the new pipe has been put in place. Immediately after installation of the new water main, the trench will be backfilled with suitable backfill material. At the end of each week, the trench will be paved with temporary pavement or plated with steel trench plates (if required). At the end of the project, a minimum of 12" beyond each side of the trench limits will be permanently paved.

The project will also include installation of new hydrants and valves on the new water main, and trench and final pavement within the project area.

**Standard 1: No New Untreated Discharges**

The proposed project will create no new untreated discharges. No new impervious area will be created during this project.

**Standard 2: Peak Rate Attenuation**

Since there will be no increase in impervious area, post-development (post-improvement) peak discharge rates will not exceed pre-development (pre-improvement) peak discharge rates.

To ensure that the work incorporates the performance standards recommended in the DEP's Stormwater Management Policy, necessary erosion and sedimentation control measures will be utilized during construction. These measures will include compost filter tubes and catch basin protection as depicted on the site plans.



### **Standard 3: Recharge**

As noted in the **Standard 2** explanation, the impervious area in the work area will not be increased at the completion of the project. Therefore, recharge rates will not change in the work area at the end of the project.

### **Standard 4: Water Quality**

The proposed work will not change water quality at the site. There will be no increase in stormwater flow, and the design will not increase soil erosion. During the project, appropriate BMPs will be used to minimize sedimentation and soil erosion.

### **Standard 5: Land Uses with Higher Potential Pollutant Loads (LUHPPLs)**

Not Applicable. There are no LUHPPLs in the work area.

### **Standard 6: Critical Areas**

There will be no new discharge to critical areas.

### **Standard 7: Redevelopments and Other Projects Subject to the Standards Only to the Maximum Extent Practicable**

This is a limited project which will minimize disturbance to existing trees and shrubs.

### **Standard 8: Construction Period Pollution Prevention and Erosion and Sediment Control**

A detailed Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan is included. To ensure that the work incorporates the performance standards recommended in the DEP's Stormwater Management Policy, necessary erosion and sedimentation control measures will be utilized during construction. These measures will compost filter tubes and catch basin protection as depicted on the site plans.

### **Standard 9: Operation and Maintenance Plan**

An operations and maintenance plan is not needed since there will not be any new stormwater management systems put in place in the project work area.

### **Standard 10: Prohibition of Illicit Discharges**

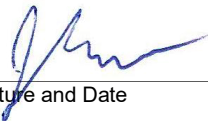
By the nature of the proposed work, there will be no illicit discharges. There will be no opportunity for illicit discharges into the system.

Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including any relevant soil evaluations, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan, the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature



 7/21/2022

---

Signature and Date

# Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan

## SECTION 1: Introduction

The water main work will include installing approximately 3 miles of new 12-inch ductile iron raw water main from the Sprague Street Wells to the Witch Pond Treatment Plant. The work will include the average excavation of approximately 5-foot wide by 6-foot deep trenching. The old water main will remain in place and in use from the Sprague Street Wells to the Witch Pond Water Treatment Plant. Soil excavated from the trench that is suitable for backfill will be stockpiled adjacent to the trench until the new pipe has been put in place. Immediately after installation of the new water main, the trench will be backfilled with suitable backfill material. At the end of each week, the trench will be paved with temporary pavement or plated with steel trench plates (if required). At the end of the project, a minimum of 12" beyond each side of the trench limits will be permanently paved.

The project will also include installation of new hydrants and valves on the new water main, and trench and final pavement within the project area.

## SECTION 2: Construction Period Pollution Prevention Measures

Best Management Practices (BMPs) will be utilized as Construction Period Pollution Prevention Measures to reduce potential pollutants and prevent any off-site discharge. The objectives of the BMPs for construction activity are to minimize the disturbed areas, stabilize any disturbed areas, control the site perimeter and retain sediment. Both erosion and sedimentation controls and non-stormwater best management measures will be used to minimize site disturbance and ensure compliance with the performance standards of the WPA and Stormwater Standards. Measures will be taken to minimize the area disturbed by construction activities to reduce the potential for soil erosion and stormwater pollution problems. In addition, good housekeeping measures will be followed for the day-to-day operation of the construction site under the control of the contractor to minimize the impact of construction. This section describes the control practices that will be in place during construction activities. Recommended control practices will comply with the standards set in the MA DEP Stormwater Policy Handbook.

### **2.1 Minimize Disturbed Area and Protect Natural Features and Soil**

In order to minimize disturbed areas, work will be completed within well-defined work limits. These work limits are shown on the construction plans. The Contractor shall not disturb native vegetation in the undisturbed wetland area without prior approval from the Engineer. The Contractor will be responsible to make sure that all of their workers and any subcontractors know the proper work limits and do not extend their work into the undisturbed areas. The protective measures are described in more detail in the following sections.

### **2.2 Control Stormwater Flowing onto and through the project**

Construction areas adjacent to wetland resources will be lined with appropriate sediment and erosion control measures. Compost filter tubes will be inspected daily for sediment build-up and accumulated silt will be removed as needed.

### **2.3 Stabilize Soils**

The Contractor shall limit the area of land which is exposed and free from vegetation during construction. In areas where the period of exposure will be greater than two (2) months, mulching, the use of erosion control mats, or other protective measures shall be provided as specified.

The Contractor shall take account of the conditions of the soil where erosion control seeding will take place to insure that materials used for re-vegetation are adaptive to the sediment control.

#### **2.4 Proper Storage and Cover of Any Stockpiles**

The location of the Contractor's storage areas for equipment and/or materials shall require written approval of the Engineer.

Adequate measures for erosion and sediment control such as the placement of compost filter tubes around the downstream perimeter of stockpiles shall be employed to protect any downstream areas from siltation.

There shall be no storage of equipment or materials in areas designated as wetlands.

The Engineer may designate a particular area or areas where the Contractor may store materials used in his operations.

#### **2.5 Perimeter Controls and Sediment Barriers**

Erosion control lines as described in Section 5 will be utilized to ensure that sedimentation does not occur outside the perimeter of the work area.

#### **2.6 Storm Drain Inlet Protection**

Inlet protection will be used on all storm drains in the work area.

#### **2.7 Retain Sediment On-Site**

The Contractor will be responsible to monitor erosion control measures. Whenever necessary the Contractor will clear sediment from the compost filter tube that have been silted up during construction. Daily monitoring should be conducted using the attached Monitoring Form.

The following good housekeeping practices will be followed on-site during the construction project:

#### **2.8 Material Handling and Waste Management**

Materials stored on-site will be stored in a neat, orderly manner in appropriate containers. Materials will be kept in their original containers with the original manufacturer's label. Substances will not be mixed with one another unless recommended by the manufacturer.

Waste materials will be collected and stored in a securely lidded metal container from a licensed management company. The waste and any construction debris from the site will be hauled off-site daily and disposed of properly. The contractor will be responsible for waste removal. Manufacturer's recommendations for proper use and disposal will be followed for materials. Sanitary waste will be

collected from the portable units a minimum of once a week, by a licensed sanitary waste management contractor.

## **2.9 Designated Washout Areas**

The Contractor shall use washout facilities at their own facilities, unless otherwise directed by the Engineer.

## **2.10 Proper Equipment/Vehicle Fueling and Maintenance Practices**

On-site vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the risk of leakage. To ensure that leaks on stored equipment do not contaminate the site, oil-absorbing mats will be placed under oil-containing equipment during storage. Regular fueling and service of the equipment may be performed using approved methods and with care taken to minimize chance of spills. Repair of equipment or machinery within the 100' water resources area shall not be allowed without the prior approval of the Engineer. Any petroleum products will be stored in tightly sealed containers that are clearly labeled with spill control pads/socks placed under/around their perimeters.

## **2.11 Equipment/Vehicle Washing**

The Contractor will be responsible to ensure that no equipment is washed on-site.

## **SECTION 3: Spill Prevention and Control Plan**

The Contractor will be responsible for preventing spills in accordance with the project specifications and applicable federal, state and local regulations. The Contractor will identify a properly trained site employee, involved with the day-to-day site operations to be the spill prevention and cleanup coordinator. The name(s) of the responsible spill personnel will be posted on-site. Each employee will be instructed that all spills are to be reported to the spill prevention and cleanup coordinator.

### **3.1 Spill Control Equipment**

Spill control/containment equipment will be kept in the Work Area. Materials and equipment necessary for spill cleanup will be kept either in the Work Area or in an otherwise accessible on-site location. Equipment and materials will include, but not be limited to, absorbent booms/mats, brooms, dust pans, mops, rags, gloves, goggles, sand, plastic and metal containers specifically for this purpose. It is the responsibility of the Contractor to ensure the inventory will be readily accessible and maintained.

### **3.2 Notification**

Workers will be directed to inform the on-site supervisor of a spill event. The supervisor will assess the incident and initiate proper containment and response procedures immediately upon notification. Workers should avoid direct contact with spilled materials during the containment procedures. Primary notification of a spill should be made to the local Fire Department and Police Departments. Secondary Notification will be to the certified cleanup contractor if deemed necessary by Fire and/or Police personnel. The third level of notification (within 1 hour) is to the DEP or municipality's Licensed

Site Professional (LSP). The specific cleanup contractor to be used will be identified by the Contractor prior to commencement of construction activities.

### **3.3 Spill Containment and Clean-Up Measures**

Spills will be contained with granular sorbent material, sand, sorbent pads, booms or all of the above to prevent spreading. Certified cleanup contractors should complete spill cleanup. The material manufacturer's recommended methods for spill cleanup will be clearly posted and on-site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

### **3.4 Hazardous Materials Spill Report**

The Contractor will report and record any spill. The spill report will present a description of the release, including the quantity and type of material, date of the spill, circumstances leading to the release, location of spill, response actions and personnel, documentation of notifications and corrective measures implemented to prevent reoccurrence.

This document does not relieve the Contractor of the Federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117, 40 CFR Part 302 and the State requirements specified under the Massachusetts Contingency Plan (M.C.P) relating to spills or other releases of oils or hazardous substances. Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117 or 40 CFR Part 302, occurs during a twenty-four (24) hour period, the Contractor is required to comply with the response requirements of the above mentioned regulations. Spills of oil or hazardous material in excess of the reportable quantity will be reported to the National Response Center (NRC).

## SECTION 4: Contact Information/Responsible Parties

### **Owner/Operator:**

Town of Foxborough DPW  
Christopher Gallagher  
70 Elm St  
Foxborough MA 02035  
508-543-1228  
cgallagher@foxboroughma.gov

### **Engineer:**

James Pearson, PE  
Weston & Sampson Engineers, Inc.  
55 Walkers Brook Dr, Suite 100  
Reading, MA 01867  
978-532-1900 ex. 2346

### **Site Inspector:**

TBD

### **Contractor:**

TBD

#### SECTION 5: Erosion and Sedimentation Control

Erosion and Sedimentation Control Drawings can be found in the attached project plans. In addition a technical specification (**Section 01570 Environmental Protection**) has been included as part of Appendix D, which details all Erosion and Sedimentation controls.

#### SECTION 6: Site Development Plan

The Site Development Plan is included in the attached plans.

#### SECTION 7: Operation and Maintenance of Erosion Control

The erosion control measures will be installed as detailed in the technical specification **01570 Environmental Protection**. If there is a failure to the controls the Contractor, under the supervision of the Engineer, will be required to stop work until the failure is repaired.

Periodically throughout the work, whenever the Engineer deems it necessary, the sediment that has been deposited against the controls will be removed to ensure that the controls are working properly.

#### SECTION 8: Inspection Schedule

During construction, the erosion and sedimentation controls will be inspected daily. Once the Contractor is selected, an onsite inspector will be selected to work closely with the Engineer to ensure that erosion and sedimentation controls are in place and working properly. An Inspection Form is included.

**Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan**

Foxborough Water Main Project

Inspection Form

Inspected By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

YES	NO	DOES NOT APPLY	ITEM
			Do any erosion/siltation control measures require repair or clean out to maintain adequate function?
			Is there any evidence that sediment is leaving the site and entering the wetlands?
			Are any temporary soil stockpiles or construction materials located in non-approved areas?
			Are on-site construction traffic routes, parking, and storage of equipment and supplies located in areas not specifically designed for them?

Specific location, current weather conditions, and action to be taken:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Other Comments:

\_\_\_\_\_

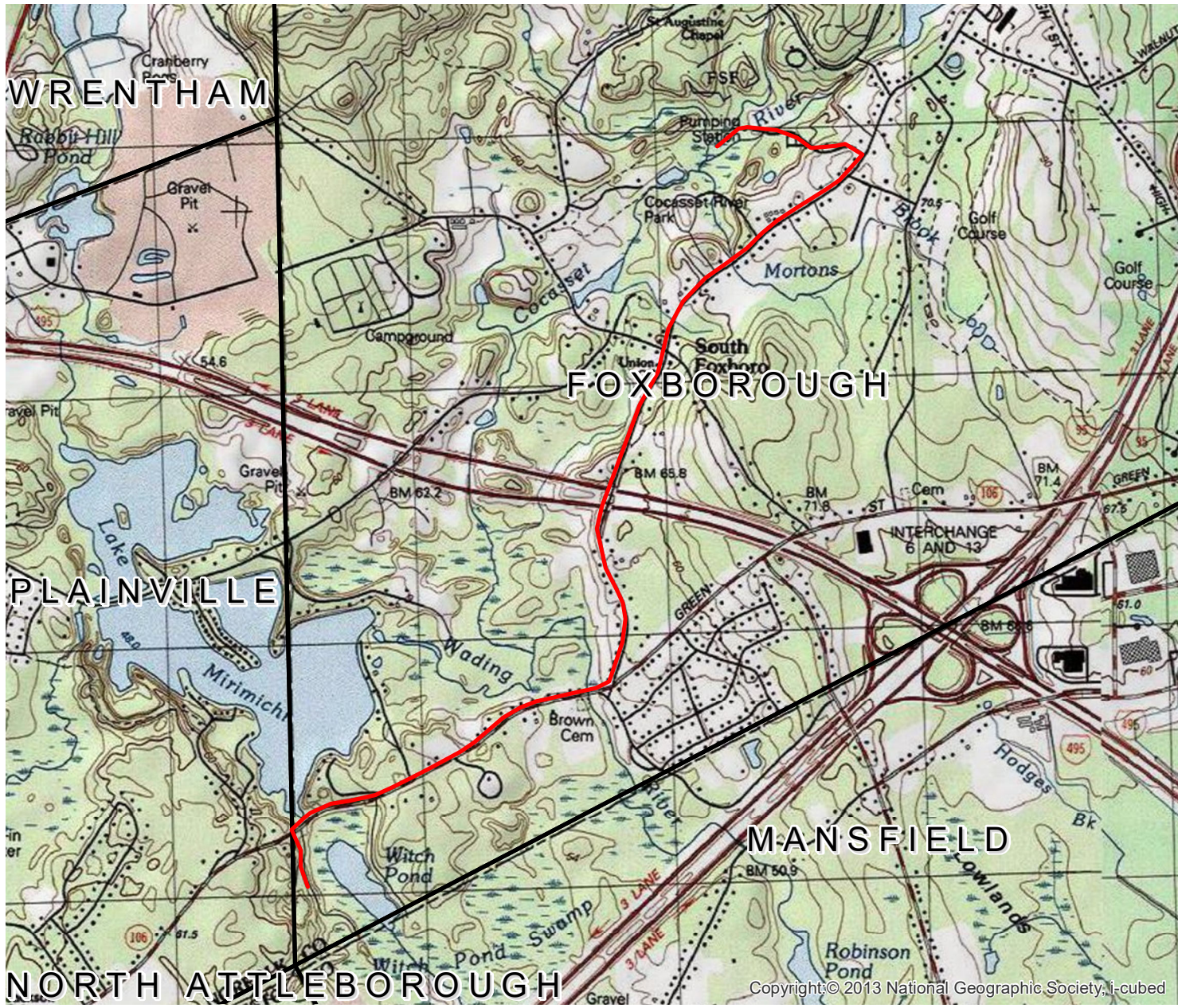
\_\_\_\_\_

Pending the actions noted above I certify that the site is in compliance with the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## APPENDIX C



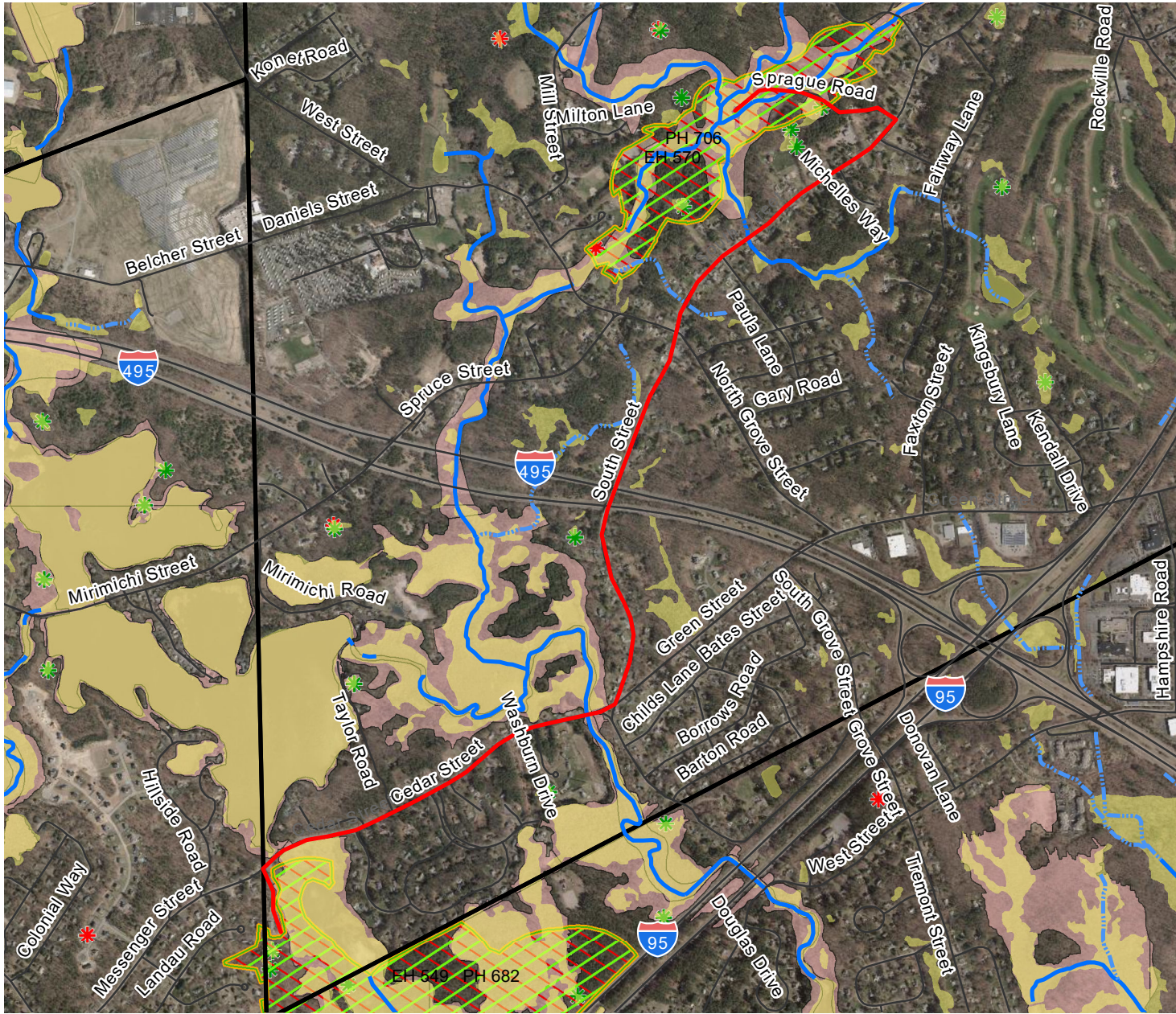
- Work Area
- MA Towns

FIGURE 1

South Street WM Improvements  
Foxborough, MA  
Locus Map



Data Source: Office of Geographic and Environmental Information (MassGIS),  
Commonwealth of Massachusetts Executive Office of Environmental Affairs



**Legend**

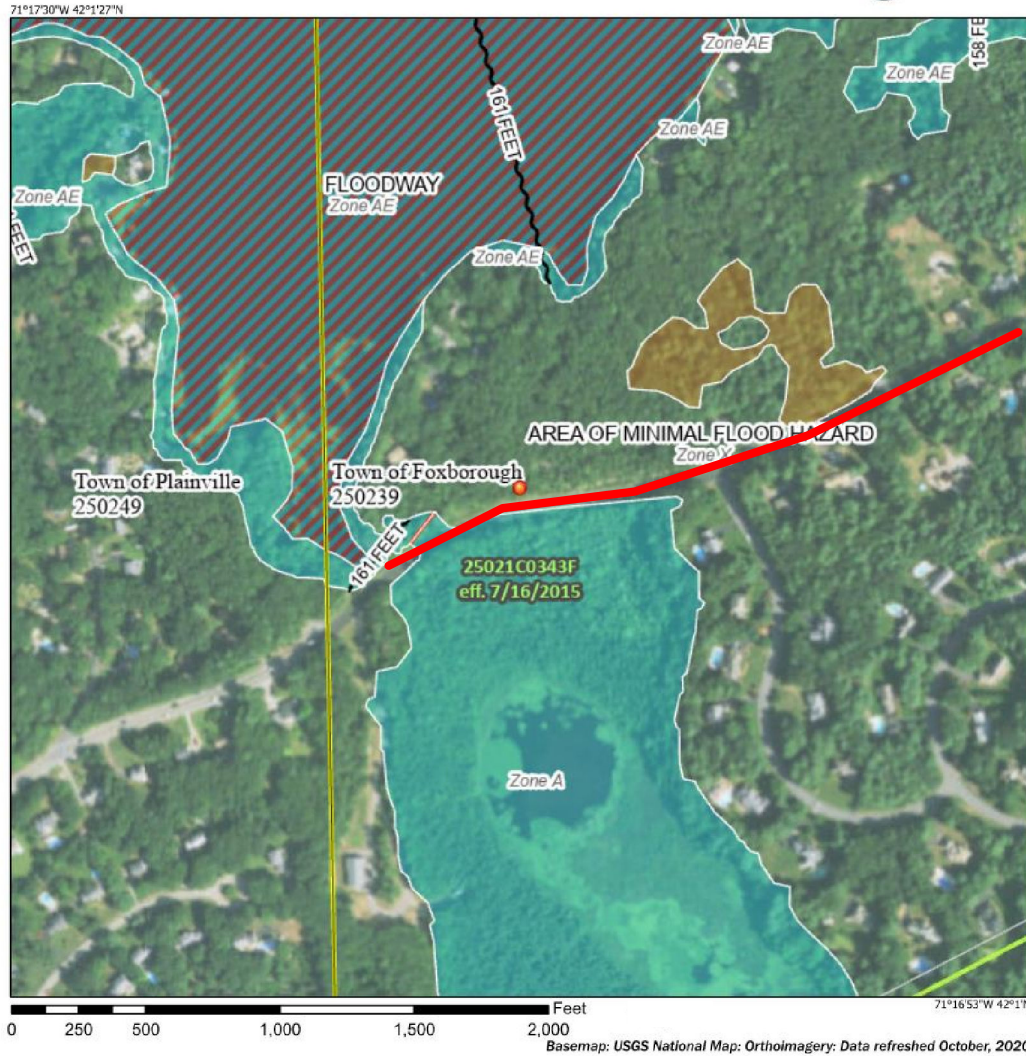
- Work Area
- Perennial Stream
- - - Intermittent Stream
- MA Towns
- DEP Wetlands**
- DEP Wetlands
- ACECs**
- ACECs
- NHPSP Habitats**
- NHPSP Estimated Habitats of Rare Wildlife
- NHPSP Priority Habitats of Rare Species
- \* NHPSP Potential Vernal Pools
- \* NHPSP Certified Vernal Pools
- FEMA 100-year Flood Zone**
- FEMA 100-year Flood Zone

**FIGURE 2**

South Street WM Improvements  
Foxborough, MA

Environmental  
Resource Map

# National Flood Hazard Layer FIRMette



### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone X, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2021 at 9:52 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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**Legend**  
 Area of Work

**FIGURE 3.1**  
 South Street WM Improvements  
 Foxborough, MA

# National Flood Hazard Layer FIRMette



71°17'7"W 42°1'36"N



0 250 500 1,000 1,500 2,000 Feet  
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

<b>SPECIAL FLOOD HAZARD AREAS</b>	Without Base Flood Elevation (BFE) Zone A, V, AB9
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
<b>OTHER AREAS</b>	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
	Area of Undetermined Flood Hazard Zone D
<b>GENERAL STRUCTURES</b>	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
<b>OTHER FEATURES</b>	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
<b>MAP PANELS</b>	Digital Data Available
	No Digital Data Available
	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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**Legend**  
 Area of Work

**FIGURE 3.2**  
 South Street WM Improvements  
 Foxborough, MA

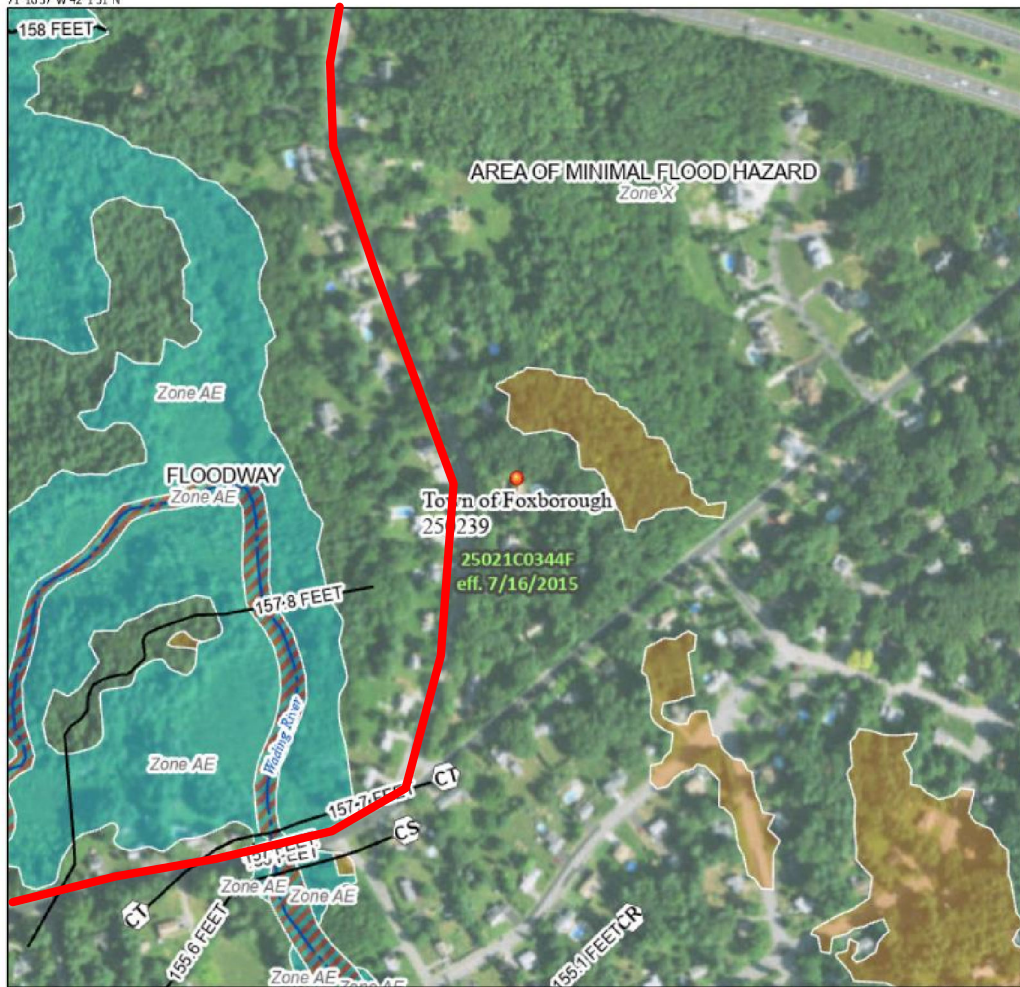
FEMA Map

Weston & Sampson<sup>SM</sup>

# National Flood Hazard Layer FIRMette



71°16'37"W 42°1'51"N



0 250 500 1,000 1,500 2,000 Feet  
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

<b>SPECIAL FLOOD HAZARD AREAS</b>	
[Light Blue]	Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
[Blue]	With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
[Red/Blue]	Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>	
[Orange]	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
[Brown]	Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
[Grey]	Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
[Green]	Area with Flood Risk due to Levee <i>Zone D</i>
<b>OTHER AREAS</b>	
[White]	Area of Minimal Flood Hazard <i>Zone X</i>
[Blue]	Effective LOMRs
[Light Blue]	Area of Undetermined Flood Hazard <i>Zone D</i>
<b>GENERAL STRUCTURES</b>	
[Dashed Line]	Channel, Culvert, or Storm Sewer
[Vertical Lines]	Levee, Dike, or Floodwall
<b>CROSS SECTIONS</b>	
[Circle with 20.2]	Cross Sections with 1% Annual Chance Water Surface Elevation
[Circle with 17.8]	Cross Sections with 1% Annual Chance Water Surface Elevation
[Dashed Line]	Coastal Transect
[Red Line]	Base Flood Elevation Line (BFE)
[Red Line]	Limit of Study
[Green Line]	Jurisdiction Boundary
<b>OTHER FEATURES</b>	
[Dashed Line]	Coastal Transect Baseline
[Blue Line]	Profile Baseline
[Blue Line]	Hydrographic Feature
<b>MAP PANELS</b>	
[Green Box]	Digital Data Available
[Light Green Box]	No Digital Data Available
[Grey Box]	Unmapped

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2021 at 9:17 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

**Legend**  
 Area of Work

**FIGURE 3.3**  
South Street WM Improvements  
Foxborough, MA

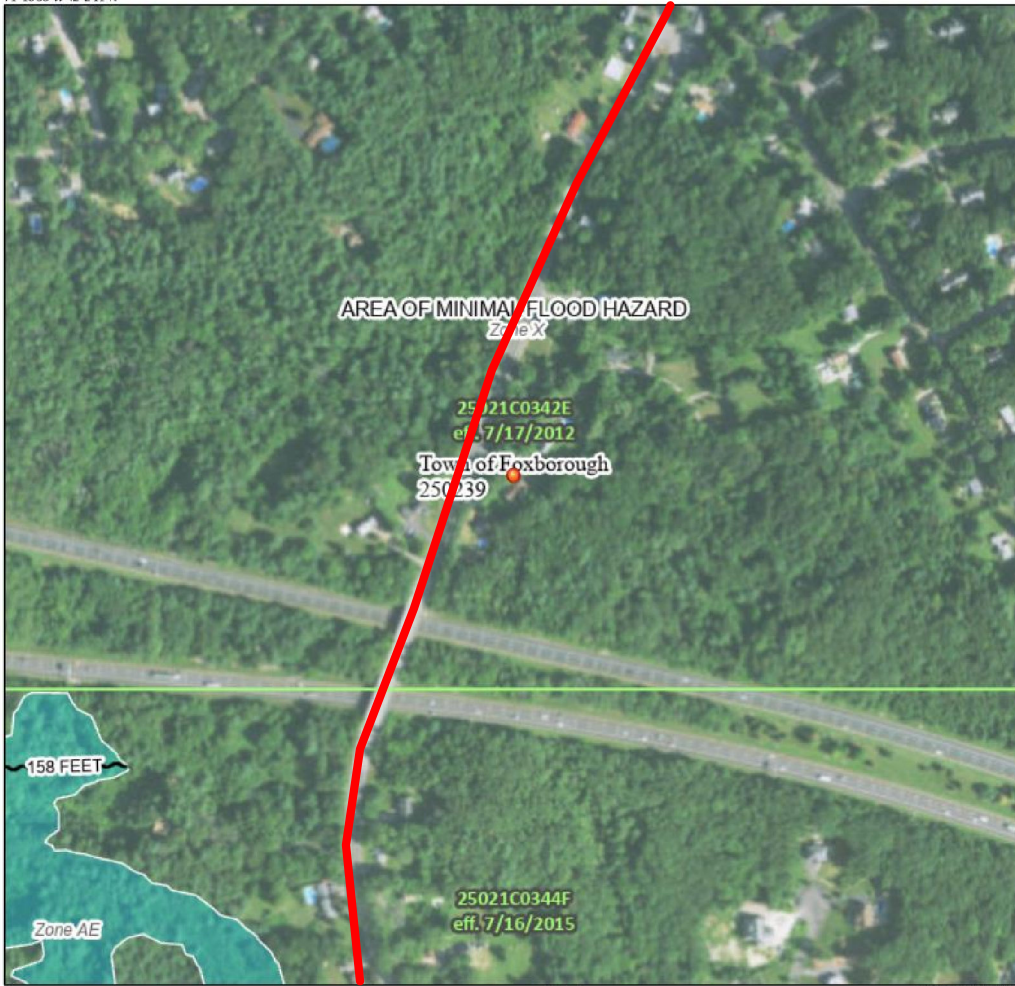
FEMA Map

**Weston & Sampson**

# National Flood Hazard Layer FIRMette



71°16'38"W 42°2'11"N



0 250 500 1,000 1,500 2,000 Feet  
 Basemap: USGS National Map; Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, AE9
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes, Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

## Legend

Area of Work

**FIGURE 3.4**

South Street WM Improvements  
 Foxborough, MA

FEMA Map



# National Flood Hazard Layer FIRMette



71°16'29"W 42°2'33"N



0 250 500 1,000 1,500 2,000 Feet  
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020  
 71°15'51"W 42°2'6"N

### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, AE0</i>
		With BFE or Depth <i>Zone AE, AD, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes, <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation 17.6
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2021 at 9:03 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

**Legend**  
 Area of Work

**FIGURE 3.5**  
 South Street WM Improvements  
 Foxborough, MA  
 FEMA Map

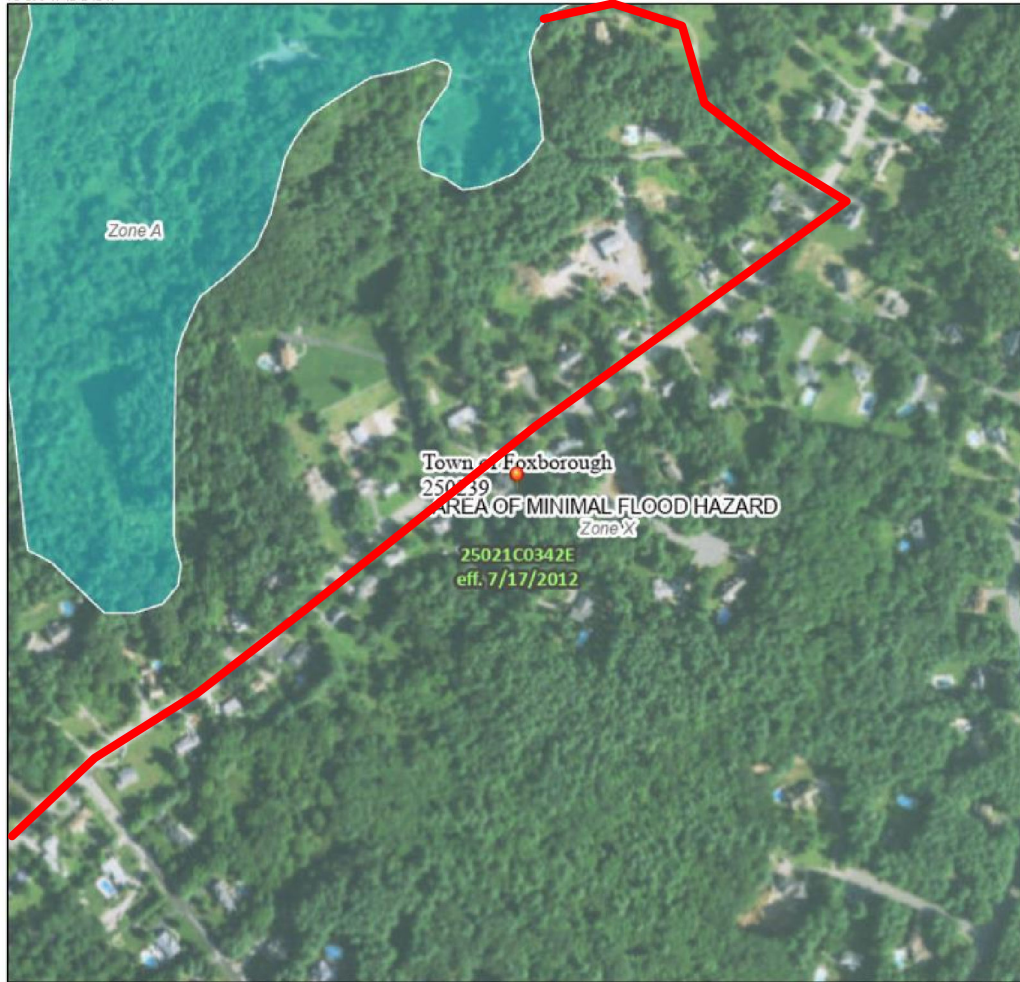
Weston & Sampson<sup>SM</sup>



# National Flood Hazard Layer FIRMette



71°16'9"W 42°24'2"N



0 250 500 1,000 1,500 2,000 Feet

71°15'32"W 42°2'16"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without: Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/15/2021 at 8:54 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## Legend

Area of Work

**FIGURE 3.6**

South Street WM Improvements  
Foxborough, MA

FEMA Map

## APPENDIX D

## AFFIDAVIT OF SERVICE

I, \_\_\_\_\_Alexandra Gaspar\_\_\_\_, hereby certify under the pains and penalties of perjury that, on  
\_\_\_\_7/22/2022\_\_\_\_\_ (date), I gave Notification to Abutters in compliance with the second  
paragraph of the Massachusetts General Laws, Chapter 131, Section 40 and the DEP Guide to  
Abutter Notification in connection with the following matter:

A Notice of Intent application was filed under the Massachusetts Wetlands Protection Act  
and the Foxborough Wetlands Protection Bylaw, Chapter 267 (formerly Article IX) with the  
Foxborough Conservation Commission by \_the Town of Foxborough\_\_\_\_\_ on  
\_\_\_\_7/25/2022\_\_\_\_\_ (date) for the property located at \_\_\_\_Spargue Road, South  
Street, and Cedar Street\_\_\_\_\_ (address), Foxborough,  
Massachusetts (Assessor's map \_\_within roadway\_\_, parcel(s) \_\_within  
roadway\_\_\_\_\_).

The form of notification and the list of abutters to whom it was given and their addresses are  
attached to this Affidavit of Service.



\_\_\_\_\_  
Signature

\_\_\_\_7/24/2022\_\_\_\_\_  
Date

## NOTIFICATION TO ABUTTERS

### Under the Massachusetts Wetlands Protection Act & Chapter 267, Wetland Protection Code of Foxborough

*(This form must be completed and mailed, certified mail return receipt requested,  
to all abutters within 100 feet of the proposed project's activity.)*

In accordance with the second paragraph of Massachusetts Wetlands Protection Act (G.L. Ch. 131, §40), and §10.05 of 310 CMR 10.00, and Chapter 267, the Wetland Protection Code of Foxborough (*formerly Article IX*) and regulations, you are hereby notified of a public hearing on the matter described below:

- A. The applicant has filed a Notice of Intent with the Foxborough Conservation Commission for proposed work within areas subject to protection under the Wetlands Protection Act and the Wetland Protection Code of Foxborough.
- B. The name of the applicant is Town of Foxborough
- C. The address of the land where the activity is proposed is within roadway (Sprague Rd, South St, Cedar St), Foxborough.
- D. Copies of the Notice of Intent may be examined at the Conservation Commission's office, 40 South Street, Foxborough Town Hall, between 9 am and 4 pm, Monday through Thursday.
- E. Copies of the Notice of Intent may be obtained from either (*check one*) the  applicant or the  applicant's representative Alexandra Gaspar by calling 978-532-1900 from [*times*] 8:00am – 4:00pm on [*days*] Monday through Friday.
- F. Information regarding the date, time and place of the public hearing may be obtained from either (*check one*) the  applicant or the  applicant's representative Alexandra Gaspar by calling 978-532-1900 from [*times*] 8:00am – 4:00pm on [*day*] Monday through Friday.

Please Note: Notice of the public hearing, including date, time and place, will be published at least five business days in advance in The Foxboro Reporter and will be posted in the Town Hall and on the Town's website at least 48 hours in advance.

Conservation Commission meeting agendas may be viewed online at:  
[http://www.foxboroughma.gov/Pages/FoxboroughMA\\_ConsAgendas/](http://www.foxboroughma.gov/Pages/FoxboroughMA_ConsAgendas/)

For additional information about this application or the Wetland Protection Code of Foxborough, please contact the Foxborough Conservation Commission at 508-543-1251 or visit: [www.foxboroughma.gov/conservation](http://www.foxboroughma.gov/conservation)

For more information about this application or the Wetlands Protection Act, please contact the Department of Environmental Protection (DEP) Southeast Regional Office (Lakeville) at 508-946-2836.



BOARD OF ASSESSORS  
TOWN OF FOXBOROUGH  
40 SOUTH STREET  
FOXBOROUGH MASSACHUSETTS 02035

(508) 543-1215

Fax: (508) 543-6278

**CERTIFICATION OF ABUTTERS**

PROPERTY OWNER: Town of Foxborough

MAILING ADDRESS: 70 Elm St Foxborough, MA 02035

PROPERTY LOCATION: Cedar St, South St, Sprague St

ASSESSORS MAP/PARCEL: multiple (see attached maps)

APPLICANT: Alexandra Gaspar on behalf of the Town PHONE: 978-532-1900

AUTHORITY REQUESTING LIST: Weston and Sampson Engineers

DATE SUBMITTED: 7/14/2022

LIST REQUESTED: 500 FT 300 FT X 100FT ABUTTER TO ABUTTER

I, *Kelvin P...*, acting as a custodian of assessment records, do hereby certify that the attached documents contain true and complete information from the most recent tax list of the Town of Foxborough, Massachusetts.

I further state that these documents include the names and addresses of abutters to the abutters *multiple Parcels*

Date: *7/18/22*

BOARD OF ASSESSORS  
FOXBOROUGH MASSACHUSETTS

Massachusetts General Law c. 40A, s.11, "The assessors maintaining any applicable tax list shall certify to the permit granting authority or special permit granting authority the names and addresses of parties in interest and such certification shall be conclusive for all purposes."

The Assessors Office will complete the abutters list within 7-10 business days. There is a \$25.00 fee for an abutters list.

"The applicant is solely responsible for requesting the appropriate abutters list required by the applicable Mass General Law."

Abutting Properties for  
 CEDAR ST, SOUTH ST & SPRAGUE ST  
 FOXBOROUGH, MA 02035  
 MULTIPLE PARCELS  
 (100 Feet)  
 7/14/2022

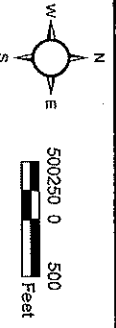
Parcel Number	Property Address	Owner Name	Owner Address	Owner City	Owner State	Owner Zip
131-007-000	0 SOUTH STREET	TOWN OF FOXBOROUGH	40 SOUTH STREET	FOXBOROUGH	MA	02035
143-011-000	271 SOUTH STREET	BOBST GARY M JR & FELICA D AVERY	271 SOUTH STREET	FOXBOROUGH	MA	02035
143-012-000	267 SOUTH STREET	SENECAL RAYE J	PO BOX 273	FOXBOROUGH	MA	02035-0000
143-013-000	SPRAGUE ROAD	BLC LLC	295R SOUTH STREET	FOXBOROUGH	MA	02035
143-023-000	5 SPRAGUE ROAD	GRIFFIN JAMES T	5 SPRAGUE ROAD	FOXBOROUGH	MA	02035
143-024-000	3 SPRAGUE ROAD	DONOHUE DENNIS	3 SPRAGUE ROAD	FOXBOROUGH	MA	02035-0000
144-021-000	264 SOUTH STREET	WONG ANNIE, ALLEN R & ANDREA F JT	264 SOUTH STREET	FOXBOROUGH	MA	02035
144-022-000	268 SOUTH STREET	DAMI IMRAN AHED SAVID & RAHET PARVEEN	268 SOUTH STREET	FOXBOROUGH	MA	02035
144-030-000	263 SOUTH STREET	SPIER GREGORY P & KATHRYN CRANE-SPIER TR	124 WASHINGTON ST	FOXBOROUGH	MA	02035
152-042-000	363 SOUTH STREET	MCKAY CINDY L & CAROLYN P SULLIVAN JT	363 SOUTH STREET	FOXBOROUGH	MA	02035-0000
153-011-000	316 SOUTH STREET	OGUNEDO CHIOMA A	316 SOUTH ST	FOXBOROUGH	MA	02035
153-012-000	320 SOUTH STREET	PENNEY FRANK W JR & LINDA M	320 SOUTH STREET	FOXBOROUGH	MA	02035-0000
153-013-000	326 SOUTH STREET	RUIZ MANUEL ANGEL & MASTERS KARILYN LISA JT	326 SOUTH STREET	FOXBOROUGH	MA	02035
153-014-000	328 SOUTH STREET	LEWICKI LANCE & ROBIN HALL JT	328 SOUTH STREET	FOXBOROUGH	MA	02035
153-015-000	332 SOUTH STREET	ALMEIDA MELISSA G	332 SOUTH ST	FOXBOROUGH	MA	02035
153-016-000	336 SOUTH STREET	CAREY MAUREEN	15 MAPLE STREET	NORWOOD	MA	02062

153-017-000	340 SOUTH STREET	YOUNG JOHN F & DAWN R	340 SOUTH STREET	FOXBOROUGH MA	02035-0000
153-018-000	346 SOUTH STREET	TANG KUO RUNG & YOU WEN	346 SOUTH STREET	FOXBOROUGH MA	02035-0000
153-027-000	358 SOUTH STREET	KING DENISE J & WILLIAM J TE	358 SOUTH STREET	FOXBOROUGH MA	02035-0000
153-028-000	360 SOUTH STREET	TREANNIE MATTHEW & KRISTIN TE	360 SOUTH ST	FOXBOROUGH MA	02035
153-029-000	357 SOUTH STREET	MCKAY CINDY L & KATHY L FARNUM	363 SOUTH STREET	FOXBOROUGH MA	02035
153-030-000	355 SOUTH STREET	DONAWAY JAN D	355 SOUTH STREET	FOXBOROUGH MA	02035-0000
153-032-000	345 SOUTH STREET	CUNNIFF DEBORAH A	345 SOUTH STREET	FOXBOROUGH MA	02035
153-034-000	343 SOUTH STREET	ANDERSEN CARL R & DALE R	343 SOUTH ST	FOXBOROUGH MA	02035-0000
153-035-000	335 SOUTH STREET	BADESSA CASSIDY J & LAURA M MURPHY TE	335 SOUTH STREET	FOXBOROUGH MA	02035
153-036-000	333 SOUTH STREET	CARTIER SHARON L	333 SOUTH STREET	FOXBOROUGH MA	02035
153-037-000	SOUTH STREET	TOWN OF FOXBOROUGH	40 SOUTH STREET	FOXBOROUGH MA	02035
153-038-000	321 SOUTH STREET	LIFEWORKS, INC.	789 CLAPBOARDTREE STREET	WESTWOOD MA	02090-0000
153-039-000	317 SOUTH STREET	TREANNIE CYNTHIA R	317 SOUTH STREET	FOXBOROUGH MA	02035-0000
161-002-000	394 SOUTH STREET	SMALL MARK A & WAYNE S JT	394 SOUTH STREET	FOXBOROUGH MA	02035
161-003-000	396 SOUTH STREET	MCLAUGHLIN MICHAEL & CONSTANCE TE	396 SOUTH STREET	FOXBOROUGH MA	02035-0000
161-004-000	400 SOUTH STREET	PET MEMORIAL PARK INC	400 SOUTH ST	FOXBOROUGH MA	02035-0000
161-007-000	397 SOUTH STREET	DEVELLIS JAMES & NICOLE TE	4 MCKENZIE LANE	FOXBOROUGH MA	02035
161-007-002	401 SOUTH STREET	LAHAM ANTHONY JR & NICOLE	401 SOUTH STREET	FOXBOROUGH MA	02035
161-007-004	399 SOUTH STREET	LAFLAMME KEVIN & KRISTIN TE	399 SOUTH STREET	FOXBOROUGH MA	02035
161-008-000	391 SOUTH STREET	FRAN TRAM N & BENJAMIN M GOULA JT	391 SOUTH ST	FOXBOROUGH MA	02035
161-048-000	365 SOUTH STREET	GULINO MICHAEL S & RACHEL M MCMILLIAN	365 SOUTH STREET	FOXBOROUGH MA	02035
162-001-000	364 SOUTH STREET	MCCARTHY TIMOTHY	364 SOUTH STREET	FOXBOROUGH MA	02035

169-001-000	406 SOUTH STREET	FRASER JOANNE M	406 SOUTH STREET	FOXBOROUGH MA	02035
175-012-000	1 GREEN STREET	LARA FERRERA CRISTIAN A & MURILLO TORRES F MARIA T	1 GREEN STREET	FOXBOROUGH MA	02035
175-013-000	470 SOUTH STREET	MCCUE JOHN T & WENDY TE	470 SOUTH STREET	FOXBOROUGH MA	02035-0000
175-014-000	17 CEDAR STREET	TUZZO VINCENT E & GERALDINE	17 CEDAR STREET	FOXBOROUGH MA	02035-0000
175-015-000	CEDAR STREET	INDEPENDENT SPORTSMENS CLUB INC	P.O. BOX 902	NORTH ATTLEBORO MA	02761-0000
175-016-000	SOUTH STREET	INDEPENDENT SPORTSMENS CLUB	P O BOX 902	NORTH ATTLEBOROUGH MA	02760
175-017-000	13 CEDAR STREET	MERCIER NIRVA	13 CEDAR STREET	FOXBOROUGH MA	02035-0000
175-018-000	11 CEDAR STREET	HEASLIP DECLAN & MADISON PARLON	11 CEDAR STREET	FOXBOROUGH MA	02035
175-019-000	471 SOUTH STREET	GALLANT GEOFFREY A	471 SOUTH STREET	FOXBOROUGH MA	02035-0000
175-020-000	467 SOUTH STREET	BAYUK ELIZABETH M	467 SOUTH STREET	FOXBOROUGH MA	02035
175-021-000	463 SOUTH STREET	OAKE KNOLL FARMS LLC	70 NORTH ST	FOXBOROUGH MA	02035
175-022-000	461 SOUTH STREET	LITTLEFIELD FLORENCE TRUSTEE	461 SOUTH ST	FOXBOROUGH MA	02035-0000
175-027-000	447 SOUTH STREET	MIRANDA ALEX	447 SOUTH ST	FOXBOROUGH MA	02035
175-028-000	445 SOUTH STREET	MASISON MARY P TR	445 SOUTH STREET	FOXBOROUGH MA	02035
175-034-000	458 SOUTH STREET	INGRAM STEPHEN	458 SOUTH ST	FOXBOROUGH MA	02035
175-035-000	462 SOUTH STREET	BUCKLEY DANIEL PAUL	462 SOUTH STREET	FOXBOROUGH MA	02035
175-036-000	6 GREEN STREET	CATALDO DAVID TR	6 GREEN STREET	FOXBOROUGH MA	02035
175-037-000	10 GREEN STREET	KORBAS GEORGE & MARIE ANNE	10 GREEN STREET	FOXBOROUGH MA	02035-0000
179-013-000	64 CEDAR STREET	SHAHABIAN STEPHEN G	64 CEDAR STREET	FOXBOROUGH MA	02035-0000
179-014-000	66 CEDAR STREET	SHAHABIAN STEPHEN G	64 CEDAR STREET	FOXBOROUGH MA	02035
179-015-000	1 WILKESON WAY	STATHER JOHN N & CONSTANCE A TE	1 WILKESON WAY	FOXBOROUGH MA	02035-0000
179-016-000	6 CEDAR LANE	PORTER KENNETH M & DIANE KRENTZMAN TE	6 CEDAR LANE	FOXBOROUGH MA	02035
179-028-000	CEDAR STREET	CITY OF ATTLEBORO	77 PARK ST	ATTLEBORO MA	02703



179-029-000	57 CEDAR STREET	GOMES HONORIO & SANDRA TE	57 CEDAR ST	FOXBOROUGH MA	02035
180-001-000	472 SOUTH STREET	DEAN PAUL J & ELLEN L	472 SOUTH STREET	FOXBOROUGH MA	02035-0000
180-024-000	473 SOUTH STREET	GATTO KAITLYN & VELASQUEZ ERIC	473 SOUTH STREET	FOXBOROUGH MA	02035
180-025-000	SOUTH STREET	MENTO CORP	1157 WASHINGTON ST	BRAINTREE MA	02184
180-027-000	CEDAR STREET	TOWN OF FOXBOROUGH CONSERVATION	40 SOUTH STREET	FOXBOROUGH MA	02035-0000
180-028-000	CEDAR STREET	WADING RIVER CEMETERY	40 SOUTH STREET	FOXBOROUGH MA	02035-0000
180-029-000	CEDAR STREET	JORDAN, LADOUCEUR AND FINDLAY TC	28 CEDAR ST	FOXBOROUGH MA	02035-0000
180-030-000	16 CEDAR STREET	GARRIGAN ROBERT P & LORI J TE	16 CEDAR STREET	FOXBOROUGH MA	02035-0000
180-031-000	20 CEDAR STREET	WALSH PHILIP M & KIMBERLY TE	20 CEDAR STREET	FOXBOROUGH MA	02035
180-038-000	24 CEDAR STREET	LAZARON DARLENE	24 CEDAR STREET	FOXBOROUGH MA	02035-0000
180-039-000	28 CEDAR STREET	JORDAN, LADOUCEUR & FINDLAY TC	28 CEDAR ST	FOXBOROUGH MA	02035-0000
180-056-000	29 CEDAR STREET	DESRAVINES MYRIAM G & CARL HENRY TE	29 CEDAR STREET	FOXBOROUGH MA	02035
180-057-000	27 CEDAR STREET	MURPHY CRAIG W & ROSAMOND E TE	27 CEDAR STREET	FOXBOROUGH MA	02035-0000
180-058-000	25 CEDAR STREET	RIMMER THOMAS & KATHERINE TE	25 CEDAR ST	FOXBOROUGH MA	02035
180-059-000	CEDAR STREET	INDEPENDENT SPORTSMENS CLUB INC	P.O. BOX 902	NORTH ATTLEBORO MA	02761-0000
180-060-000	19 CEDAR STREET	BLAKE RICHARD J & KRISTEN M TE	19 CEDAR STREET	FOXBOROUGH MA	02035
182-028-000	3 WILKESON WAY	PESANELLO, LISA R & LEE M GUSTAFSON TE	3 WILKESON WAY	FOXBOROUGH MA	02035-0000
182-029-000	80 CEDAR STREET	TOWN OF FOXBOROUGH CONSERVATION	40 SOUTH STREET	FOXBOROUGH MA	02035-0000



Data Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs





- Legend**
- Work Area in Jurisdiction
  - 100ftbuffer
  - MA Towns
  - Parcel

**FIGURE 1**  
 Water Main Work 2021  
 Foxborough, MA  
 Abutter Map



Data Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs

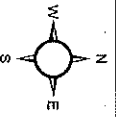
**Legend**

-  Work Area in Jurisdiction
-  100ftbuffer
-  MA Towns
-  Parcel


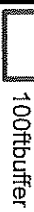
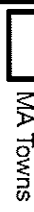
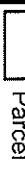
**FIGURE 1**

Water Main Work 2021  
Foxborough, MA

Abutter Map



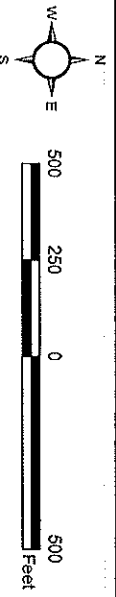
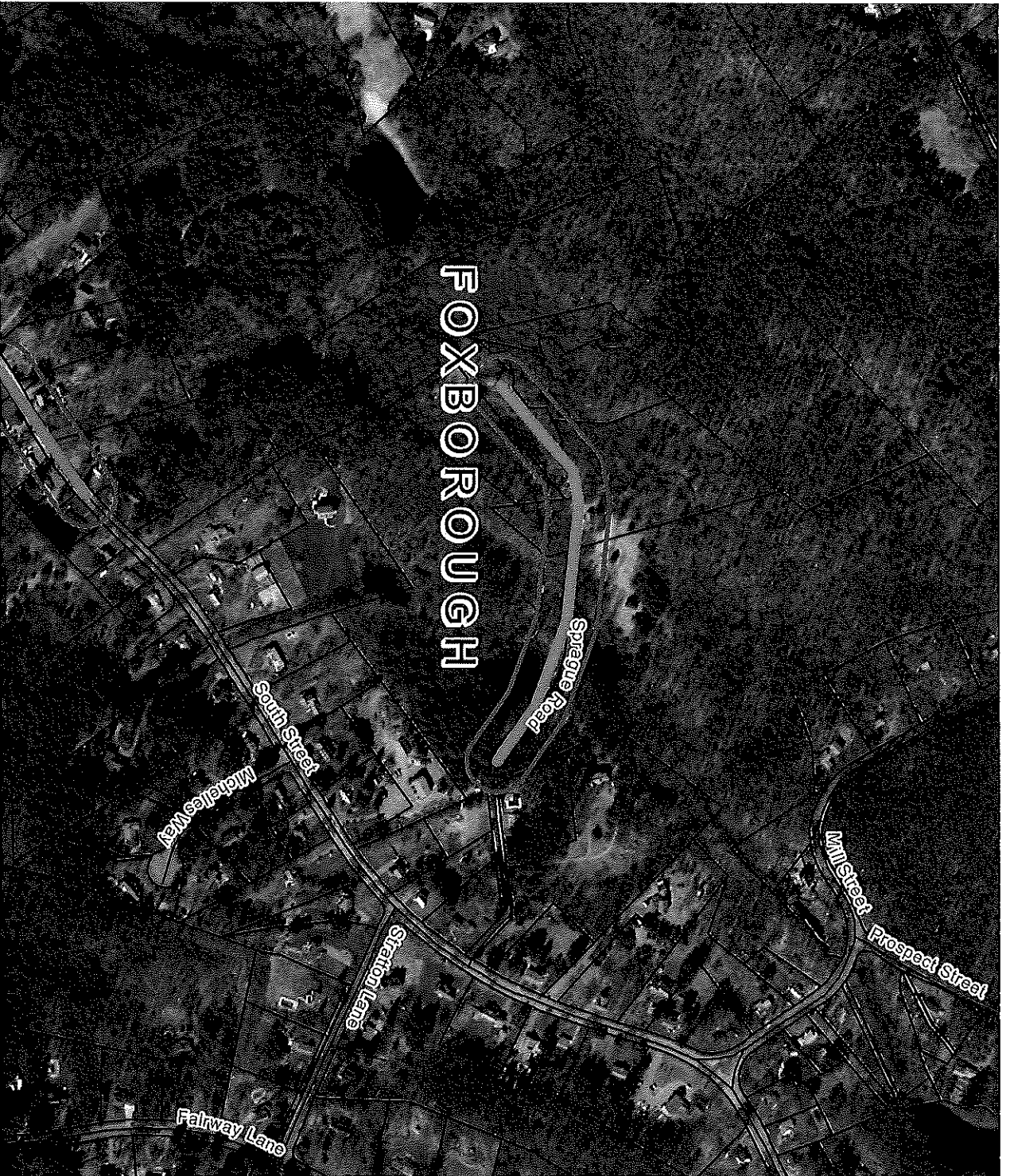
Data Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs

- Legend**
-  Work Area in Jurisdiction
  -  100ftbuffer
  -  MA Towns
  -  Parcel





**FIGURE 1**

Water Main Work 2021  
Foxborough, MA  
Abutter Map





Data Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs

- Legend**
-  Work Area in Jurisdiction
  -  100ftbuffer
  -  MA Towns
  -  Parcel

**FIGURE 1**  
Water Main Work 2021  
Foxborough, MA  
Abutter Map



'22 JUL 14 PM 2:00

**TOWN OF PLAINVILLE**  
**Board of Assessors**  
 190 South Street - P. O. Box 1717  
 Plainville, Massachusetts 02762  
 Telephone: 508-695-3142x430  
 Fax: 508-695-1319  
 Email: boa@plainville.ma.us

**REQUEST FOR ABUTTERS LIST**  
 (Allow 10 days for Final List)

Date of Request: 7/14/2022 Email: gaspara@wseinc.com

Requested by: Alexandra Gaspar on behalf of the Town of Foxborough Phone: 978-532-1900

Signature: *AG* Fee: \$20 + \$1.00/abutter > 25

Owner of Property: Town of Foxborough

Street Address of Property: Cedar St

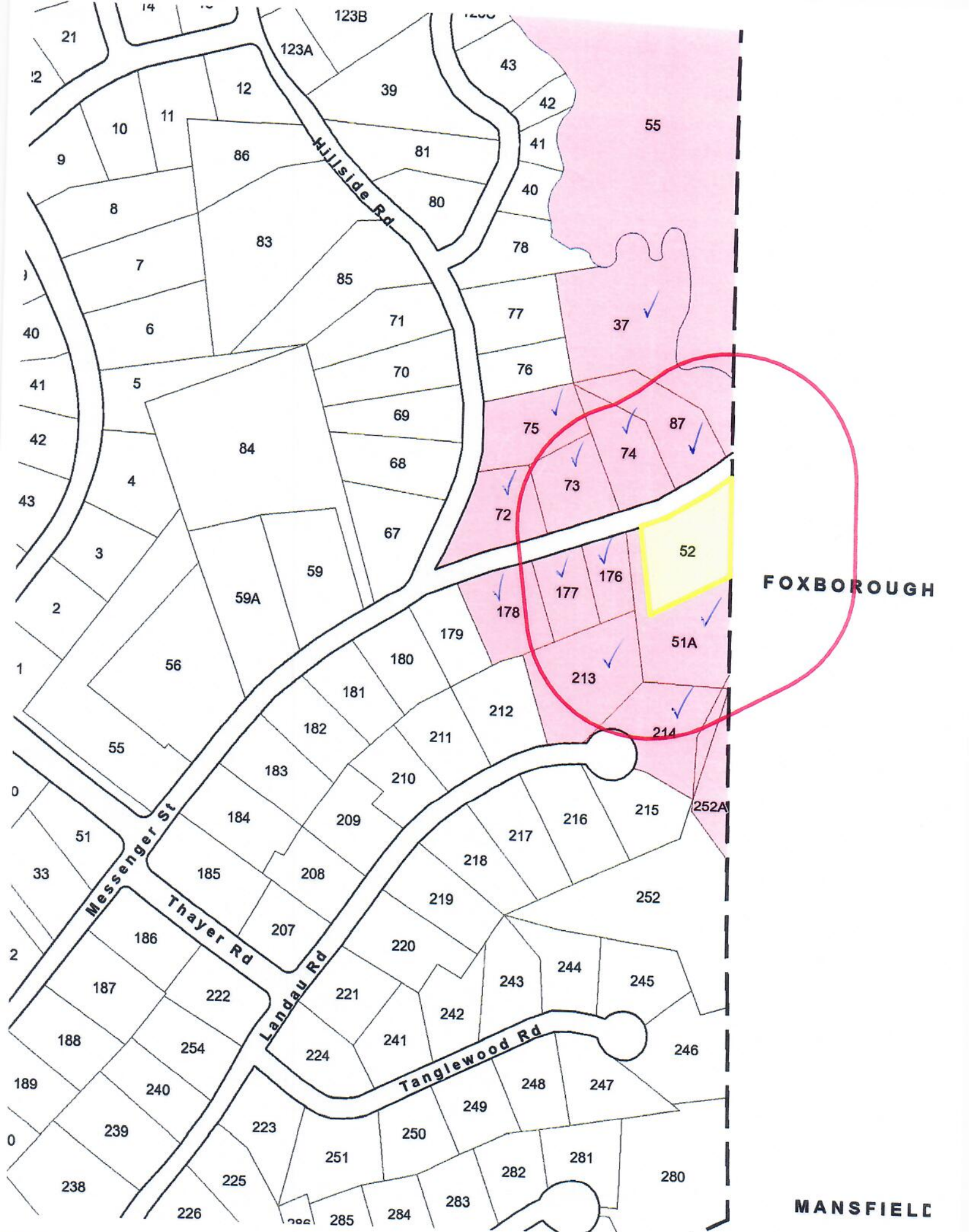
Assessors' Map: within roadway 6-52 (used) Assessors' Parcel(s): within roadway

**Check Type of List required**

Board/Permit	✓	# of Labels	Required Abutter notification	Regulation
Planning Board – Subdivision		3	Direct Abutters incl. across streets or watercourses	PGC 540-53(3) & MGL Ch. 41 §81-T
Planning Board – Special Permit Zoning Board – Variance/Special Permit/Exceptions		4	Direct Abutters incl. across streets or watercourses, plus abutters to abutters within 300 ft. of site boundaries.	MGL Ch. 40A §11
Conservation Commission	x	3	Direct Abutters incl. across streets and water bodies and all property owners within 300' of the property lines.	See 310 CMR 10.05(4) & PGC 900-5 ( A & B)
Board of Health		3	Direct Abutters incl. across streets or watercourses	PGC §759-04
Board of Selectmen			See Selectman's Office for more details	
Other				

**Notes:**

1. The "most recent" abutters list is the one generated on Jan. 1 of each year. If a list is submitted from a prior year it will not be considered correct.
2. If abutters exist in an abutting town, a certified list & the correct number of labels must be submitted from that town also.



FOXBOROUGH

MANSFIELD



# 300 foot Abutters List Report

Plainville, MA

July 21, 2022

## Subject Property:

Parcel Number: 6-52  
CAMA Number: 6-52  
Property Address: 125 MESSENGER ST

Mailing Address: ESPARO ALICIA M WHITEHEAD ERIC W  
125 MESSENGER ST  
PLAINVILLE, MA 02762

## Abutters:

Parcel Number: 3-55  
CAMA Number: 3-55  
Property Address: 0 MIRIMICHI ST

Mailing Address: PLAINVILLE TOWN OF  
190 SOUTH STREET  
PLAINVILLE, MA 02762

Parcel Number: 6-176  
CAMA Number: 6-176  
Property Address: 123 MESSENGER ST

Mailing Address: LEITAO, FAITH  
123 MESSENGER ST  
PLAINVILLE, MA 02762

Parcel Number: 6-177  
CAMA Number: 6-177  
Property Address: 121 MESSENGER ST

Mailing Address: WALSH, MICHAEL J.  
121 MESSENGER ST  
PLAINVILLE, MA 02762

Parcel Number: 6-178  
CAMA Number: 6-178  
Property Address: 119 MESSENGER ST

Mailing Address: CAHILL, CHARLES  
119 MESSENGER ST  
PLAINVILLE, MA 02762-0572

Parcel Number: 6-213  
CAMA Number: 6-213  
Property Address: 48 LANDAU RD

Mailing Address: DORER JEFFREY ROBYN HEROUX  
48 LANDAU RD  
PLAINVILLE, MA 02762

Parcel Number: 6-214  
CAMA Number: 6-214  
Property Address: 50 LANDAU RD

Mailing Address: SCANNELL, TAYMYS SCANNELL  
MICHAEL  
50 LANDAU RD  
PLAINVILLE, MA 02762

Parcel Number: 6-214A  
CAMA Number: 6-214A  
Property Address: REAR MESSENGER ST

Mailing Address: FOXBORO TOWN OF  
TOWN HALL  
FOXBORO, MA 02035

Parcel Number: 6-252A  
CAMA Number: 6-252A  
Property Address: REAR MESSENGER ST

Mailing Address: FOXBORO TOWN OF  
40 SOUTH STREET  
FOXBORO, MA 02035

Parcel Number: 6-37  
CAMA Number: 6-37  
Property Address: 0 MESSENGER ST

Mailing Address: SUNRISE ACRES LLC  
P.O. BOX 317  
FOXBORO, MA 02035

Parcel Number: 6-51A  
CAMA Number: 6-51A  
Property Address: 125 MESSENGER ST

Mailing Address: ESPARO ALICIA M WHITEHEAD ERIC W  
125 MESSENGER ST  
PLAINVILLE, MA 02762



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7/21/2022

Page 1 of 2





# 300 foot Abutters List Report

Plainville, MA

July 21, 2022

Parcel Number: 6-51B  
CAMA Number: 6-51B  
Property Address: REAR MESSENGER ST

Mailing Address: ✓  
FOXBORO TOWN OF  
40 SOUTH ST  
FOXBORO, MA 02035

Parcel Number: 6-72  
CAMA Number: 6-72  
Property Address: 3 HILLSIDE RD

Mailing Address: ✓  
HURLEY, JAMES J HURLEY PAMELA A  
3 HILLSIDE RD  
PLAINVILLE, MA 02762

Parcel Number: 6-73  
CAMA Number: 6-73  
Property Address: 108 MESSENGER ST

Mailing Address: ✓  
DADMUN, CHRISTOPHER L DADMUN,  
BARBARA L  
108 MESSENGER ST  
PLAINVILLE, MA 02762

Parcel Number: 6-74  
CAMA Number: 6-74  
Property Address: 110 MESSENGER ST

Mailing Address: ✓  
FITZGERALD, MICHAEL T  
110 MESSENGER ST  
PLAINVILLE, MA 02762

Parcel Number: 6-75  
CAMA Number: 6-75  
Property Address: 5 HILLSIDE RD

Mailing Address: ✓  
ASHWORTH ROBIN A ASHWORTH  
CLAIRE  
5 HILLSIDE RD  
PLAINVILLE, MA 02762

Parcel Number: 6-87  
CAMA Number: 6-87  
Property Address: 126 MESSENGER ST

Mailing Address: ✓  
CANNATA IRIS H  
25 FAIRWAY LN PO BOX 317  
FOXBORO, MA 02035



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7/21/2022

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## APPENDIX E

SECTION 01562

DUST CONTROL

PART 1 - GENERAL

1.01 DESCRIPTION:

This section of the specification covers the control of dust via calcium chloride and water, complete.

PART 2 - PRODUCTS

2.02 WATER:

A. Water shall not be brackish and shall be free from oil, acid, and injurious alkali or vegetable matter.

PART 3 - EXECUTION

3.01 APPLICATION:

- A. Water may be sprinkler applied with equipment including a tank with gauge-equipped pressure pump and a nozzle-equipped spray bar.
- B. Water shall be dispersed through the nozzle under a minimum pressure of 20 pounds per square inch, gauge pressure.

END OF SECTION

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## SECTION 01570

### ENVIRONMENTAL PROTECTION

#### PART 1 – GENERAL

##### 1.01 DESCRIPTION:

- A. The work covered by this section of the specifications consists of furnishing all labor, materials, tools and equipment and performing all work required for the prevention of environmental pollution during and as a result of construction operations under this contract.
- B. The requirements set forth in this section of the specifications apply to construction in and adjacent to wetlands, unless otherwise specifically stated.
- C. All work under this Contract shall be in accordance with the Conservation Commissions' Orders of Conditions as well as any conditional requirements applied, all of which are attached to Section 00890, PERMITS.
- D. Prior to commencement of work, the Contractor shall meet with representatives of the Engineer to develop mutual understandings relative to compliance of the environmental protection program.

##### 1.02 SUBMITTALS:

- A. The Contractor shall submit for approval six sets of details and literature fully describing environmental protection methods to be employed in carrying out construction activities within 100 feet of wetlands or across areas designated as wetlands.

#### PART 2 - PRODUCTS

##### 2.01 CATCH BASIN PROTECTION:

- A. To trap sediment and to prevent sediment from clogging drainage systems, catch basin protection in the form of a siltation sack (Siltsock as manufactured by ACF Environmental, Inc. or approved equal) shall be provided as approved by the Engineer.

##### 2.02 COMPOST FILTER TUBES:

- A. Silt socks shall be a tubular filter sock of mesh fabric. The fabric will have openings of between 1/8" to 1/4" diameter. The mesh material will either photo degrade within one year or be made of nylon with a life expectancy of 24 months. The sock shall be filled with a mix of composted leaf mulch, bark mulch and wood chips that have been composted for at least one year. The sock will have a minimum diameter of 12-inches.

## PART 3- EXECUTION

### 3.01 NOTIFICATION AND STOPPAGE OF WORK:

- A. The Engineer will notify the Contractor in writing of any non-compliance with the provisions of the Order of Conditions. The Contractor shall, after receipt of such notice, immediately take corrective action. Such notice, when delivered to the Contractor or his authorized representative at the site of the work, shall be deemed sufficient for the purpose. If the Contractor fails to act promptly, the Owner may order stoppage of all or part of the work through the Engineer until satisfactory corrective action has been taken. No claim for an extension of time or for excess costs or damage incurred by the Contractor as a result of time lost due to any stop work orders shall be made unless it was later determined that the Contractor was in compliance.

### 3.02 AREA OF CONSTRUCTION ACTIVITY:

- A. Insofar as possible, the Contractor shall confine his construction activities to those areas defined by the plans and specifications. All land resources within the project boundaries and outside the limits of permanent work performed under this contract shall be preserved in their present condition or be restored to a condition after completion of construction at least equal to that which existed prior to work under this contract.

### 3.03 PROTECTION OF WATER RESOURCES:

- A. The Contractor shall not pollute streams, lakes or reservoirs with fuels, oils, bitumens, calcium chloride, acids or other harmful materials. It is the Contractor's responsibility to comply with all applicable Federal, State, County and Municipal laws regarding pollution of rivers and streams.
- B. Special measures should be taken to insure against spillage of any pollutants into public waters.

### 3.04 PROTECTING AND MINIMIZING EXPOSED AREAS:

- A. The Contractor shall limit the area of land which is exposed and free from vegetation during construction. In areas where the period of exposure will be greater than two (2) months, temporary vegetation, mulching or other protective measures shall be provided as specified.
- B. The Contractor shall take account of the conditions of the soil where temporary cover crop will be used to insure that materials used for temporary vegetation are adaptive to the sediment control. Materials to be used for temporary vegetation shall be approved by the Engineer.

### 3.05 LOCATION OF STORAGE AREAS:

- A. The location of the Contractor's storage areas for equipment and/or materials shall be

upon cleared portions of the job site or areas to be cleared as a part of this project, and shall require written approval of the Engineer. Plans showing storage facilities for equipment and materials shall be submitted for approval of the Engineer.

- B. No excavated materials or materials used in backfill operations shall be deposited within a minimum distance of one hundred (100) feet of any watercourse or any drainage facility. Adequate measures for erosion and sediment control such as the placement of baled straw or line of straw wattles or compost filter tubes around the downstream perimeter of stockpiles shall be employed to protect any downstream areas from siltation.
- C. There shall be no storage of equipment or materials in areas designated as wetlands.
- D. The Engineer may designate a particular area or areas where the Contractor may store materials used in his operations.

### 3.06 PROTECTION OF LANDSCAPE:

- A. The Contractor shall not deface, injure, or destroy trees or shrubs nor remove or cut them without written authority from the Owner. No ropes, cables, or guys shall be fastened to or attached to any existing nearby trees for anchorages unless specifically authorized by the Engineer. Excavating machinery and cranes shall be of suitable type and be operated with care to prevent injury to trees which are not to be removed, particularly overhanging branches and limbs. The Contractor shall, in any event, be responsible for any damage resulting from such use.
- B. Branches, limbs, and roots shall not be cut except by permission of the Engineer. All cutting shall be smoothly and neatly done without splitting or crushing. When there is unavoidable injury to branches, limbs and trunks of trees, the injured portions shall be neatly trimmed and covered with an application of grafting wax or tree healing paint as directed.
- C. Where, in the opinion of the Engineer, trees may possibly be defaced, bruised, injured, or otherwise damaged by the Contractor's equipment or by his blasting or other operations, the Engineer may require the Contractor to adequately protect such trees by placing boards, planks, poles or fencing around them. Any trees or landscape feature scarred or damaged by the Contractor's equipment or operations shall be restored as nearly as possible to its original condition at the expense of the Contractor. The Engineer will decide what method of restoration shall be used, and whether damaged trees shall be treated and healed or removed and disposed of under the provisions of Section 02230, CLEARING AND GRUBBING.
- D. Cultivated hedges, shrubs, and plants which could be injured by the Contractor's operations shall be protected by suitable means or shall be dug up, balled and temporarily replanted and maintained. After construction operations have been substantially completed, they shall be replanted in their original positions and cared for until growth is re-established. If cultivated hedges, shrubs, and plants are injured to such a degree as to affect their growth or diminish their beauty or usefulness, they shall be replaced by items of a kind and quality at least equal to that existing at the start of the

work.

### 3.07 DISCHARGE OF DEWATERING OPERATIONS:

- A. Under no circumstances shall the Contractor discharge water to the areas designated as wetlands. When constructing in a wetlands area, the Contractor shall discharge water from dewatering operations directly to the nearest drainage system, stream, or waterway after filtering by an approved method.
- B. The pumped water shall be filtered through filter fabric and baled straw, a vegetative filter strip or a vegetated channel to trap sediment occurring as a result of the construction operations. The vegetated channel shall be constructed such that the discharge flow rate shall not exceed a velocity of more than 1 foot per second. Accumulated sediment shall be cleared from the channel periodically.

### 3.08 DUST CONTROL:

- A. During the progress of the work, the Contractor shall conduct his operations and maintain the area of his activities, including sweeping and sprinkling of streets as necessary, to minimize creation and dispersion of dust.

### 3.09 CATCH BASIN PROTECTION:

- A. Catch basin protection shall be used for every catch basin, shown on the plans or as required by the Engineer, to trap sediment and prevent it from clogging drainage systems and entering wetlands. Siltation sacks shall be securely installed under the catch basin grate. Care shall be taken to keep the siltation sacks from breaking apart or clogging. All deposited sediment shall be removed periodically and at times prior to predicted precipitation to allow free drainage flow. Prior to working in areas where catch basins are to be protected, each catch basin sump shall be cleaned of all debris and protected. The Contractor shall properly dispose of all debris at no additional cost to the Owner.

### 3.10 COMPOST FILTER TUBES:

- A. The filter tubes will be staked in the ground using wooden stakes driven at 4-foot intervals. The wooden stakes will be placed at a minimum depth of 24-inches into the ground.

END OF SECTION

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## SECTION 01740

### CLEANING UP

#### PART 1 - GENERAL

##### 1.01 DESCRIPTION:

The Contractor must employ at all times during the progress of its work adequate cleanup measures and safety precautions to prevent injuries to persons or damage to property. The Contractor shall immediately, upon request by the Engineer provide adequate material, equipment and labor to cleanup and make safe any and all areas deemed necessary by the Engineer.

#### PART 2 - PRODUCTS

Not applicable

#### PART 3 - EXECUTION

##### 3.01 DAILY CLEANUP:

- A. The Contractor shall clean up, at least daily, all refuse, rubbish, scrap and surplus material, debris and unneeded construction equipment resulting from the construction operations and sweep the area. The site of the work and the adjacent areas affected thereby shall at all times present a neat, orderly and workmanlike appearance.
- B. Upon written notification by the Engineer, the Contractor shall within 24 hours clean up those areas, which in the Engineer's opinion are in violation of this section and the above referenced sections of the specifications.
- C. If in the opinion of the Engineer, the referenced areas are not satisfactorily cleaned up, all other work on the project shall stop until the cleanup is satisfactory.

##### 3.02 MATERIAL OR DEBRIS IN DRAINAGE FACILITIES:

- A. Where material or debris has washed or flowed into or has been placed in existing watercourses, ditches, gutters, drains, pipes, structures, such material or debris shall be entirely removed and satisfactorily disposed of during progress of the work, and the



ditches, channels, drains, pipes, structures, and work shall, upon completion of the work, be left in a clean and neat condition.

3.03 REMOVAL OF TEMPORARY BUILDINGS, STRUCTURES AND EQUIPMENT:

- A. On or before completion of the work, the Contractor shall, unless otherwise specifically required or permitted in writing, tear down and remove all temporary buildings and structures it built; shall remove all temporary works, tools and machinery or other construction equipment it furnished; shall remove all rubbish from any grounds which it has occupied; shall remove silt fences and hay bales used for trapping sediment; and shall leave the roads and all parts of the property and adjacent property affected by its operations in a neat and satisfactory condition.

3.04 RESTORATION OF DAMAGED PROPERTY:

- A. The Contractor shall restore or replace, when and as required, any property damaged by its work, equipment or employees, to a condition at least equal to that existing immediately prior to the beginning of operations. To this end the Contractor shall do as required all necessary highway or driveway, walk and landscaping work. Materials, equipment, and methods for such restoration shall be as approved by the Engineer.

3.05 FINAL CLEANUP:

- A. Before acceptance by the Owner, the Contractor shall perform a final cleanup to bring the construction site to its original or specified condition. This cleanup shall include removing all trash and debris off of the premises. Before acceptance, the Engineer shall approve the condition of the site.

END OF SECTION

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## APPENDIX F

# Wetland Delineation Report



September 2021

Foxborough, MA  
Project # ENG20-0384

South Street WM  
Foxborough, MA

Wetland Delineation Conducted By:  
Hailey Page, on 9/7/2021

Delineation Report Reviewed By:  
Mel Higgins, PWS



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## APPENDICES

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## 1.0 SITE DESCRIPTION

On September 7<sup>th</sup>, 2021 and September 8<sup>th</sup>, 2021, the presence of wetland resources was investigated along Cedar Street and South Street in Foxborough, MA. Please see Figure 1.1- Figure 1.5 (Wetlands Field Map) and Figure 2 (USGS Topographic Map) of this report for the investigation area.

After consulting with the Foxborough Conservation Commissioner agent it was determined that due to utility work only being within the roadway, only streams that crossed beneath the road needed to be delineated. The other wetland areas for this project (i.e. bordering vegetated wetlands) would be determined using MassDEP GIS Wetlands data layer.

Three perennial streams and one intermittent stream were identified in the field and flagged using pink flagging by a Weston & Sampson employee who is trained in the wetland delineation process using the Massachusetts Department of Environmental Protection (MassDEP) and the US Army Corps of Engineers methodology. A further description of these wetland resource areas are presented in the following sections.

.....

## 2.0 DELINEATION OF WETLAND RESOURCES

### 2.1 Site Observations

The Weston & Sampson wetland scientist, trained in the ACOE Wetland Delineation Manual and Massachusetts Department of Environmental Protection (MassDEP) Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetland Protection Act guidance document, delineated the following protected wetland resources at the site:

- Bank - Perennial Stream
- Bank - Intermittent Stream
- Bank - Lake

### 2.2 Bank

Water bodies, including perennial streams, intermittent streams, ponds, and lakes, have banks which are protected by the Massachusetts Wetland Protection Act. Bank is a wetland resource area defined by 310 CMR 10.54(2)(a) as “the portion of land surface which normally abuts and confines a water body. It occurs between a waterbody and a vegetated bordering wetland and adjacent floodplain, or, in absence of these, it occurs between a waterbody and an upland.” Vegetated banks provide valuable functions such as flood control, stormwater prevention, fisheries protection, and water quality protection. The limit of this resource area is identified by Top of Bank (TOB) which is located at the first observable break in slope or the Mean Annual Flood Level (MAFL), whichever is lower. TOB is easily identified in the field so that indicator was utilized for this wetland delineation.

### Perennial Stream Banks

Three perennial streams, the Wading River and two unnamed streams were flagged. The boundary of the perennial streams were identified in the field utilizing Top of Bank (TOB), as shown in the attached wetlands field maps (Figure 1.1 through Figure 1.5). These streams are shown as perennial on the current United States Geographical Survey (USGS) map and have a watershed size greater than 0.5 square miles in size according to USGS Stream Stats which classifies the stream as perennial per 310 CMR 10.58 (2)(a)(1)(b-c). The boundary of the perennial stream was identified in the field by the first observable break in slope (TOB). Wetland flags left in the field included:

- TOB-C1 through TOB-C6 (Perennial Stream Bank “C” Series)
- TOB-D1 through TOB-D7 (Perennial Stream Bank “D” Series)
- TOB-E1 through TOB-E9 (Perennial Stream Bank “E” Series)
- TOB-F1 through TOB-F9 (Perennial Stream Bank “F” Series)
- TOB-I1 through TOB-I2 (Perennial Stream Bank “I” Series)
- TOB-J1 through TOB-J6 (Perennial Stream Bank “J” Series)
- TOB-K1 through TOB-K6 (Perennial Stream Bank “K” Series)

Perennial Stream banks are subject to a 200-foot Riverfront Area under the Massachusetts Wetland Protection Act per 301 CMR 10.58(2)(a)(2)(c).

### Intermittent Stream Banks

The single intermittent stream was delineated on site is located West of Paula Lane. The unnamed stream is shown as intermittent on the current United States Geographical Survey (USGS) map and has a watershed size less than 0.5 square miles in size according to USGS Stream Stats which classifies the stream as intermittent per 310 CMR 10.58 (2)(a)(1) (b-c). The boundary of the intermittent stream was identified in the field by the first observable break in slope (TOB). Wetland flags left in the field included:

- TOB-G1 through TOB-G6 (Intermittent Stream Bank “G” Series)
- TOB-H1 through TOB-H7 (Intermittent Stream Bank “H” Series)

Both lines represent banks of the stream. Intermittent stream banks are subject to a 100-foot buffer under the Massachusetts Wetland Protection Act per 301 CMR 10.02(2)(b).

### Lake Bank

Lake Mirimichi is located off Cedar Street. The waterbody is 170 acres in size, based on the Lake Mirimichi website. According to the Massachusetts Wetland Protection Act a lake is defined as “any open body of fresh water with a surface area of ten acres or more, and shall include great ponds.” (310 CMR 10.04). Great Ponds are defined in 310 CMR 9.02 as “any pond which contained more than ten acres in its natural state ... prior to any alteration by damming or other human activity”. Lake Mirimichi is listed on the Massachusetts List of Great Ponds. Both banks of the lake were flagged only closest to the road due to the project area. Wetland flags left in the field included:

- TOB A1 through TOB A24 (Lake Bank “A” Series)
- TOB B1 through TOB B6 (Lake Bank “B” Series)

The Lake Bank A Series is associated with the West side of the lake and the Lake Bank B Series is associated with the east side of the lake adjacent to the dam.

Banks are subject to a 100-foot buffer under the Massachusetts Wetland Protection Act per 310 CMR 10.02(2)(b).

### 2.5 Other Protected Areas

Weston & Sampson created environmental resources maps (see Figure 4) of the site to determine the presence of other protected areas. The data source of these map layers was the Massachusetts Geographic Information System (MassGIS). These areas included:

- NHESP Priority Habitats of Rare Species
- NHESP Estimated Habitats of Rare Wildlife
- NHESP Certified and Potential Vernal Pools
- Areas of Critical Environmental Concern (ACEC)
- Outstanding Resource Waters (ORW)



# Wetland Delineation Report

Based on the MassGIS information, portions of the work area is a NHESP Priority Habitats of Rare Species, NHESP Estimated Habitat of Rare Wildlife, and an Outstanding Resource Waters.

FEMA Flood Insurance Rate Maps (FIRM) were created online from the FEMA website to determine if there is a 100-year flood zone at the site. See Figure 3.1 through Figure 3.6 for FIRM map. Based on FEMA flood maps the investigation area shown on Figure 3.1 and Figure 3.3 portions of the area of work are located within the 100-year flood zone. Figures 3.2 and 3.4 through Figure 3.6 are not located in the 100-year flood zone.

.....

## 3.0 SUMMARY

On September 7<sup>th</sup>, 2021 and September 8<sup>th</sup>, 2021, the presence of wetland resources was investigated along Cedar Street and South Street in Foxborough, MA. A single Intermittent stream, three perennial streams, and one pond bank were identified and flagged at the site.

Additional environmental mapping was conducted using MassGIS data layers and FEMA FIRM mapping. This additional mapping indicates that portions of the site is located is a NHESP Priority Habitats of Rare Species, NHESP Estimated Habitat of Rare Wildlife, and the 100-year flood zone.

This Wetlands Delineation Report has been reviewed and approved by a Professional Wetland Scientist (PWS).

.....

#### 4.0 REFERENCES

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Wojtec, Michael, Bard - A field Guide to Trees of the Northeast.

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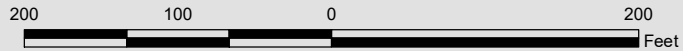
.



**Legend**

- Bank- Intermittent Stream
- Bank-Perennial Stream
- Area of Work

**FIGURE 1.1**  
South Street WM Improvements  
Foxborough, MA  
Wetlands Field Map



Data Source: Office of Geographic and Environmental Information (MassGIS),  
Commonwealth of Massachusetts Executive Office of Environmental Affairs



**Legend**

- Bank- Intermittent Stream
- Bank-Perennial Stream
- Area of Work

**FIGURE 1.2**

South Street WM Improvements  
Foxborough, MA

Wetlands Field Map



Data Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs



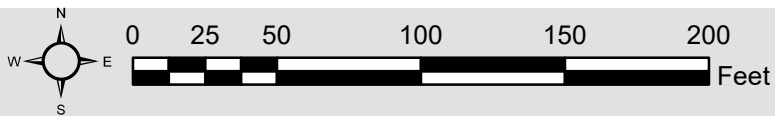
**Legend**

- Bank- Intermittent Stream
- Bank-Perennial Stream
- Area of Work

**FIGURE 1.3**

South Street WM Improvements  
Foxborough, MA

Wetlands Field Map



Data Source: Office of Geographic and Environmental Information (MassGIS),  
Commonwealth of Massachusetts Executive Office of Environmental Affairs





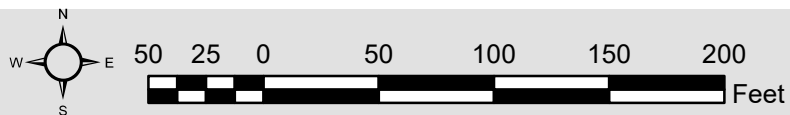
**Legend**

- Bank- Intermittent Stream
- Bank-Perennial Stream
- Area of Work

**FIGURE 1.4**

South Street WM Improvements  
Foxborough, MA




Wetlands Field Map



Data Source: Office of Geographic and Environmental Information (MassGIS),  
Commonwealth of Massachusetts Executive Office of Environmental Affairs



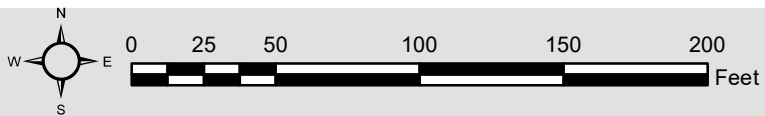
**Legend**

-  Bank- Intermittent Stream
-  Bank-Perennial Stream
-  Area of Work

**FIGURE 1.5**

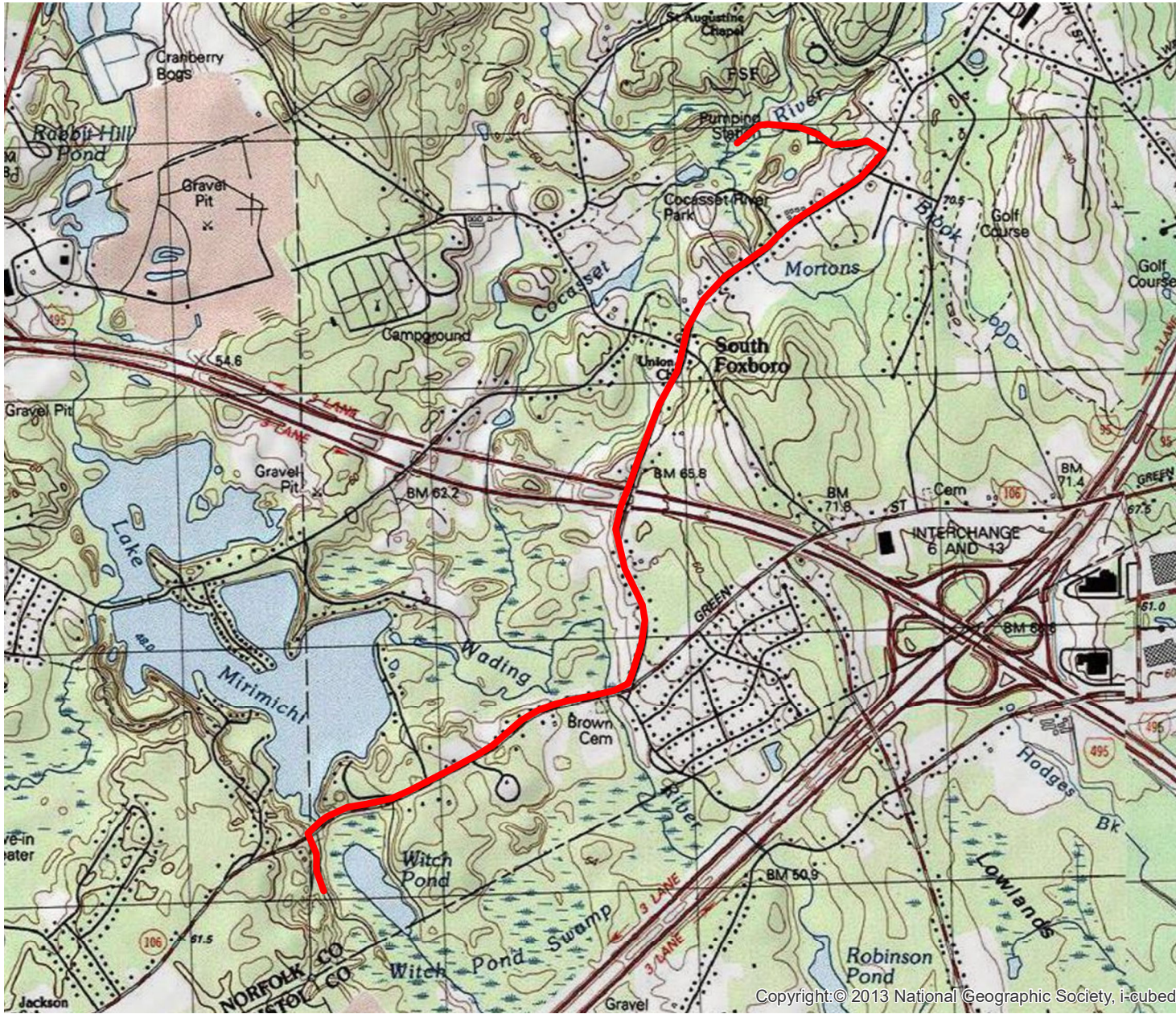
South Street WM Improvements  
Foxborough, MA

Wetlands Field Map



Data Source: Office of Geographic and Environmental Information (MassGIS),  
Commonwealth of Massachusetts Executive Office of Environmental Affairs





## Legend

 Area of Work

## FIGURE 2

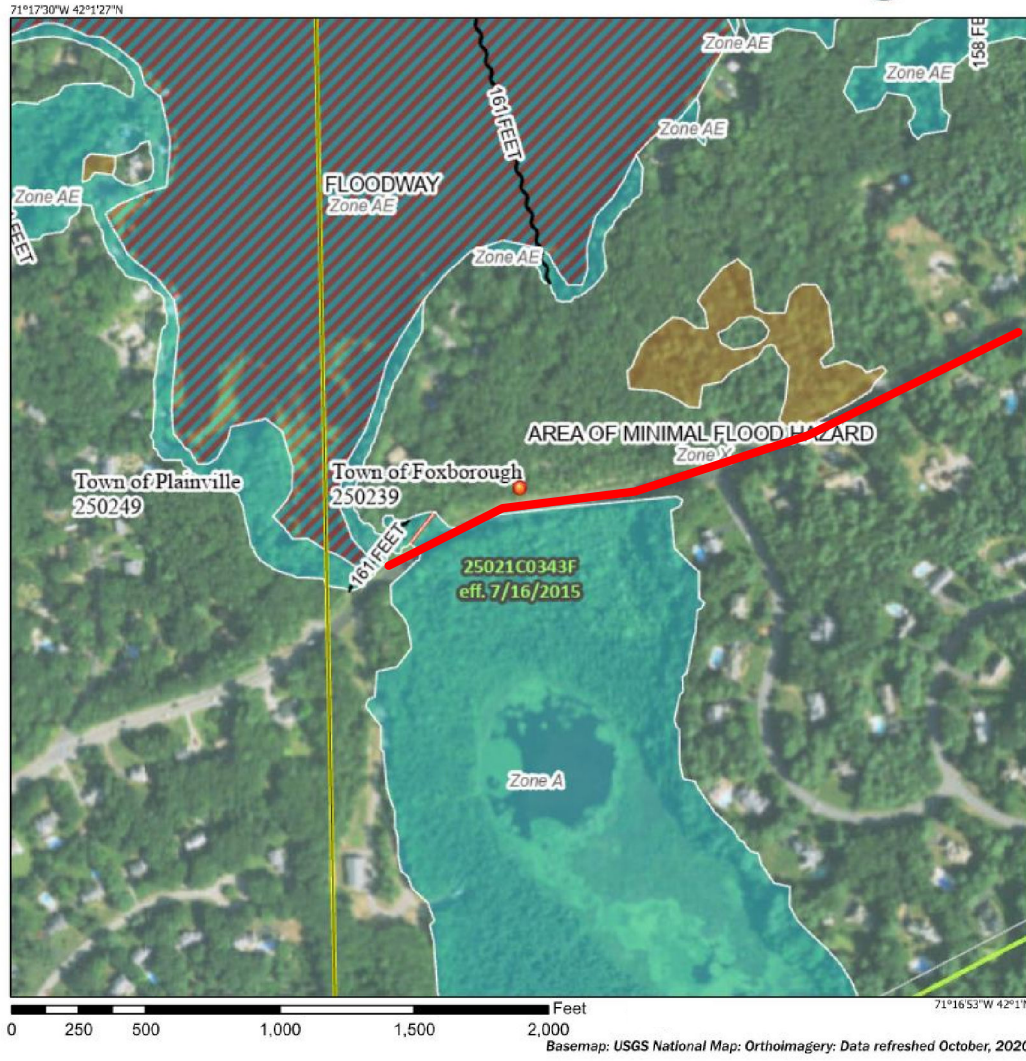
South Street WM Improvements  
Foxborough, MA

USGS Topographic Map

Data Source: Office of Geographic and Environmental Information (MassGIS),  
Commonwealth of Massachusetts Executive Office of Environmental Affairs

Weston & Sampson<sup>SM</sup>

# National Flood Hazard Layer FIRMette



### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

<b>SPECIAL FLOOD HAZARD AREAS</b>	Without Base Flood Elevation (BFE) <i>Zone X, V, A99</i>
	With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
	Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
	Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
	Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
	Area with Flood Risk due to Levee <i>Zone D</i>
<b>OTHER AREAS</b>	NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
	Effective LOMRs
	Area of Undetermined Flood Hazard <i>Zone D</i>
<b>GENERAL STRUCTURES</b>	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
<b>OTHER FEATURES</b>	20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
	17.5 Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
<b>MAP PANELS</b>	Digital Data Available
	No Digital Data Available
	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2021 at 9:52 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

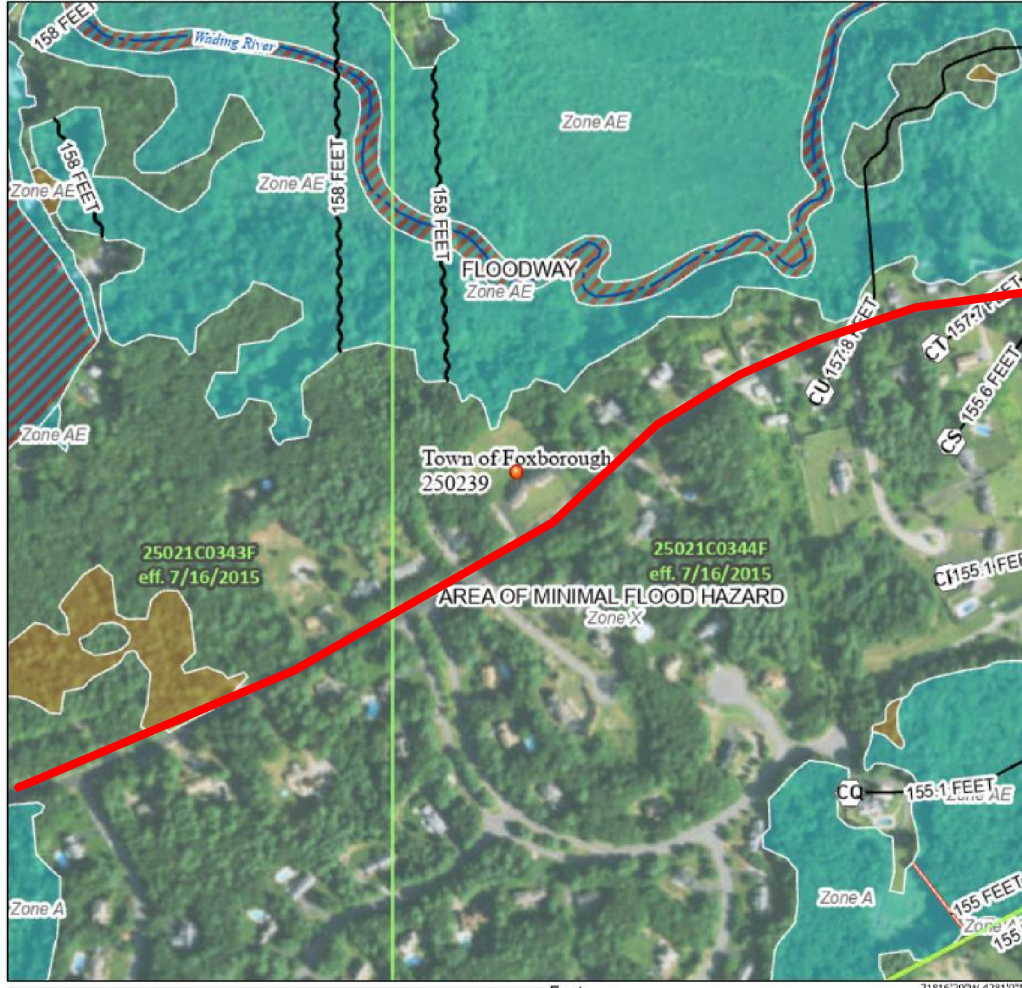
**Legend**  
— Area of Work

**FIGURE 3.1**  
 South Street WM Improvements  
 Foxborough, MA

# National Flood Hazard Layer FIRMette



71°17'7"W 42°1'36"N



0 250 500 1,000 1,500 2,000 Feet  
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

<b>SPECIAL FLOOD HAZARD AREAS</b>	Without Base Flood Elevation (BFE) Zone A, V, AB9
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
<b>OTHER AREAS</b>	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
	Area of Undetermined Flood Hazard Zone D
<b>GENERAL STRUCTURES</b>	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
<b>OTHER FEATURES</b>	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
<b>MAP PANELS</b>	Digital Data Available
	No Digital Data Available
	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2021 at 9:21 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## Legend

— Area of Work

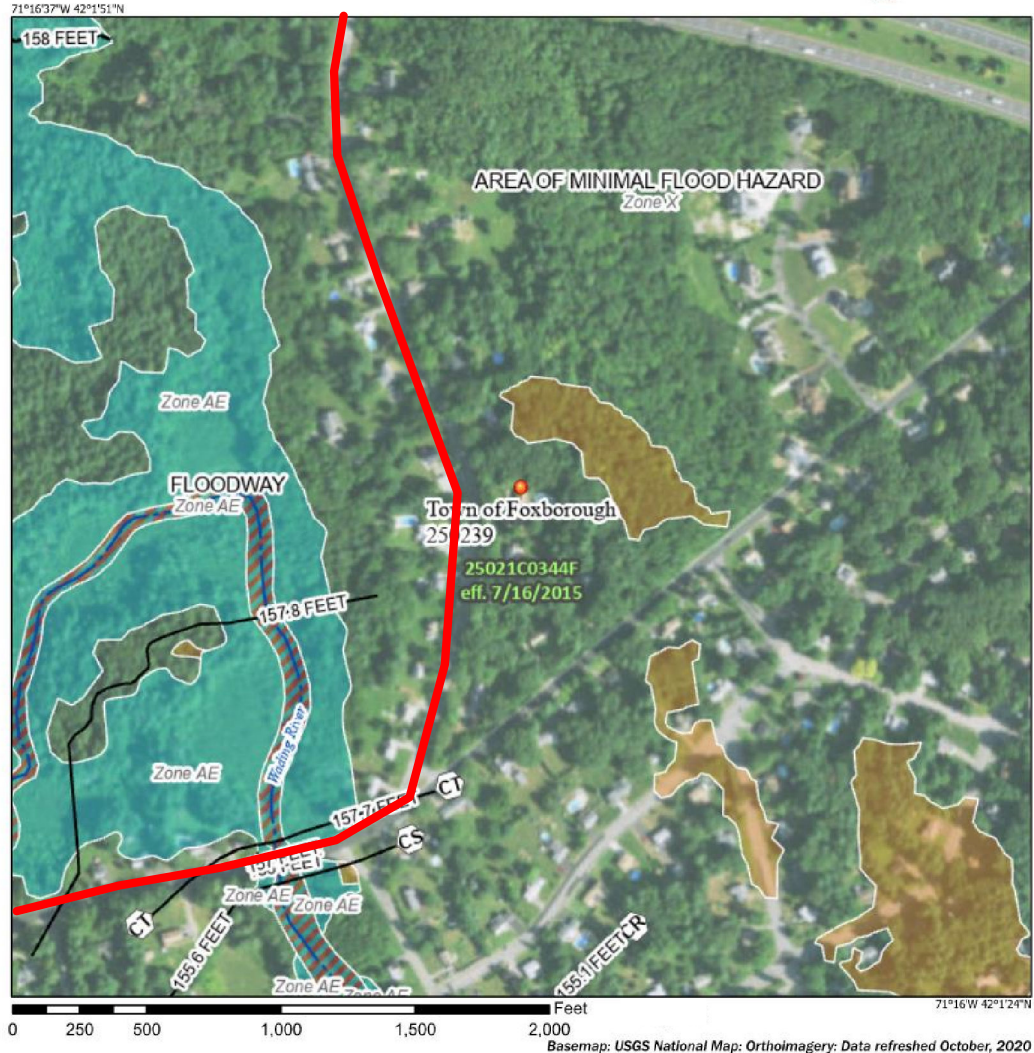
**FIGURE 3.2**

South Street WM Improvements  
 Foxborough, MA

FEMA Map



# National Flood Hazard Layer FIRMette



### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk due to Levee Zone D

OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
	Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall

CROSS SECTIONS	20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
	17.8
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

OTHER FEATURES	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature

MAP PANELS	Digital Data Available
	No Digital Data Available
	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2021 at 9:17 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmoderized areas cannot be used for regulatory purposes.

**Legend**

— Area of Work

**FIGURE 3.3**

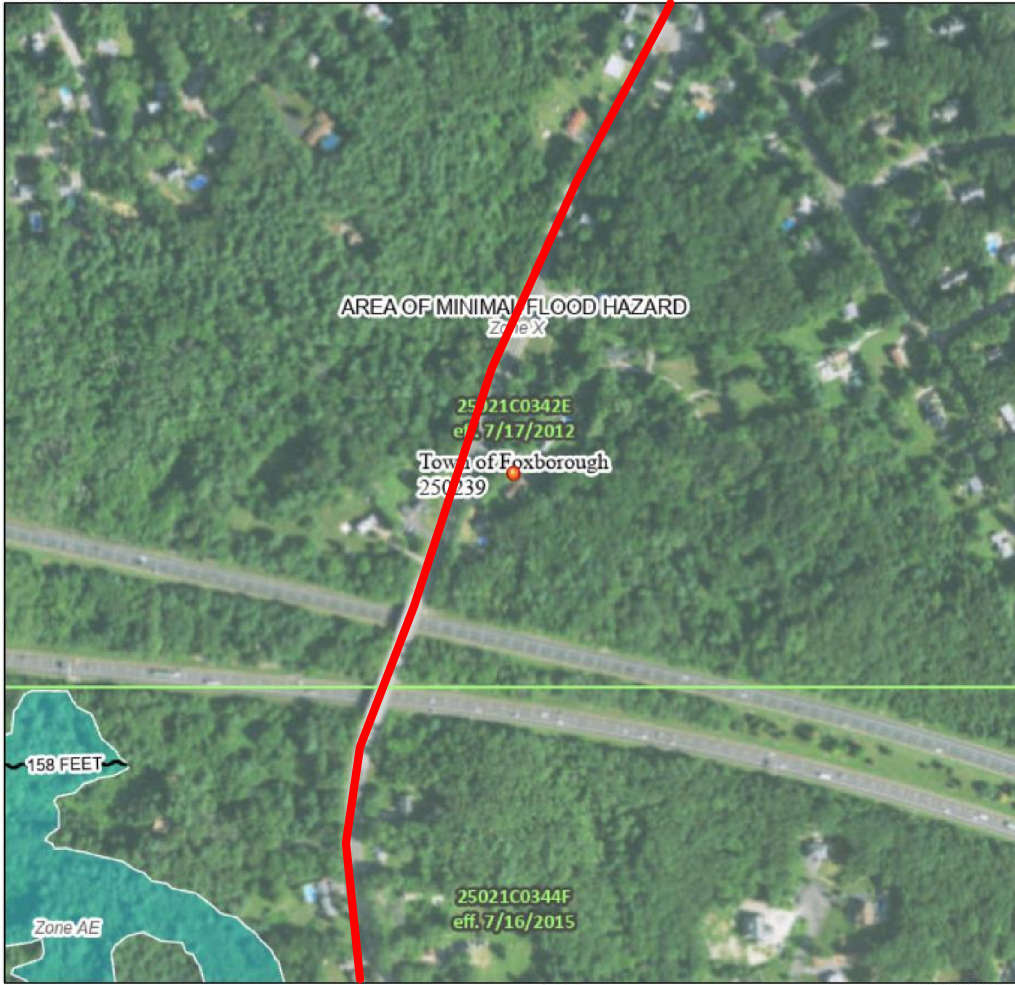
South Street WM Improvements  
Foxborough, MA

FEMA Map

# National Flood Hazard Layer FIRMette



71°16'38"W 42°2'11"N



0 250 500 1,000 1,500 2,000 Feet  
 Basemap: USGS National Map; Orthoimagery: Data refreshed October, 2020

### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, AE9
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes, Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		37.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

### Legend

Area of Work

**FIGURE 3.4**

South Street WM Improvements  
 Foxborough, MA

FEMA Map



# National Flood Hazard Layer FIRMette



71°16'29"W 42°2'33"N



0 250 500 1,000 1,500 2,000 Feet  
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020  
 71°15'51"W 42°2'6"N

### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes, <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.6 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2021 at 9:03 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

**Legend**  
 Area of Work

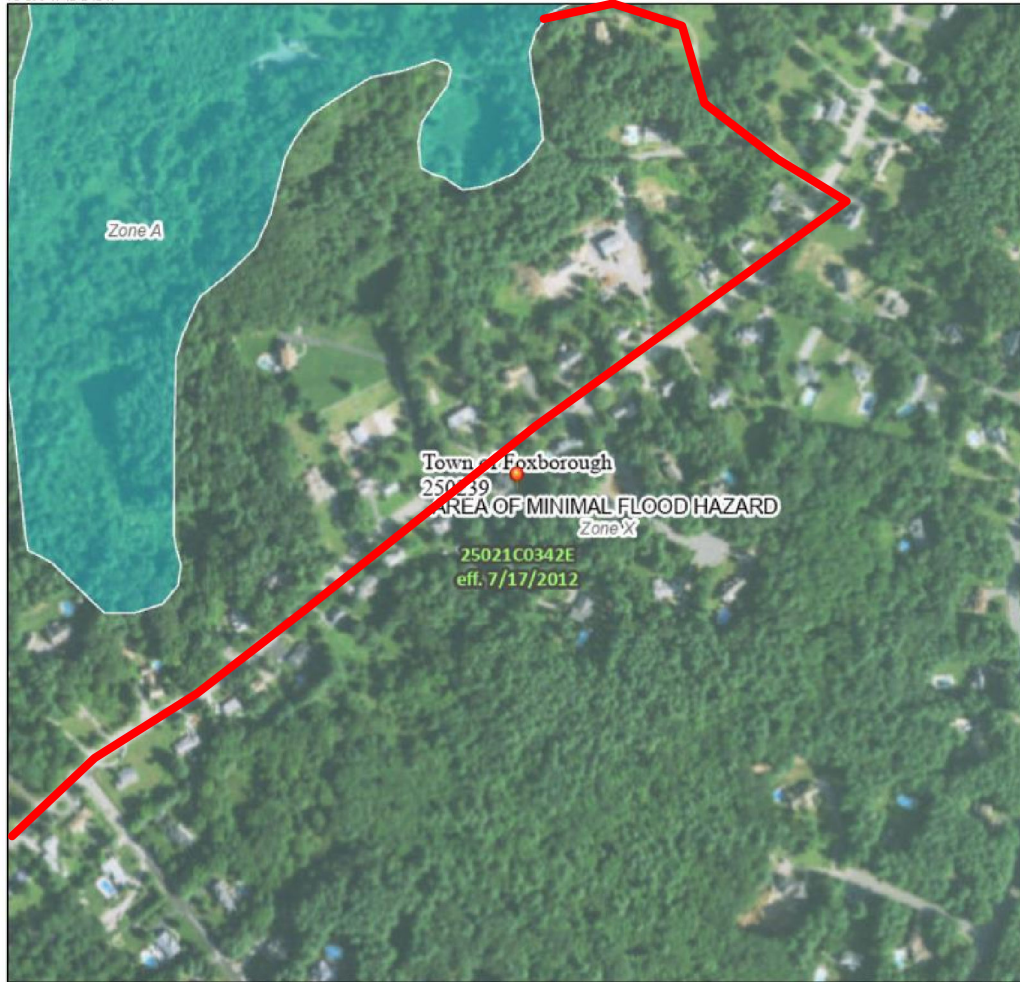
**FIGURE 3.5**  
 South Street WM Improvements  
 Foxborough, MA  
 FEMA Map

Weston & Sampson<sup>SM</sup>

# National Flood Hazard Layer FIRMMette



71°16'9"W 42°24'2"N



0 250 500 1,000 1,500 2,000 Feet

71°15'32"W 42°2'16"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance
		Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/15/2021 at 8:54 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## Legend

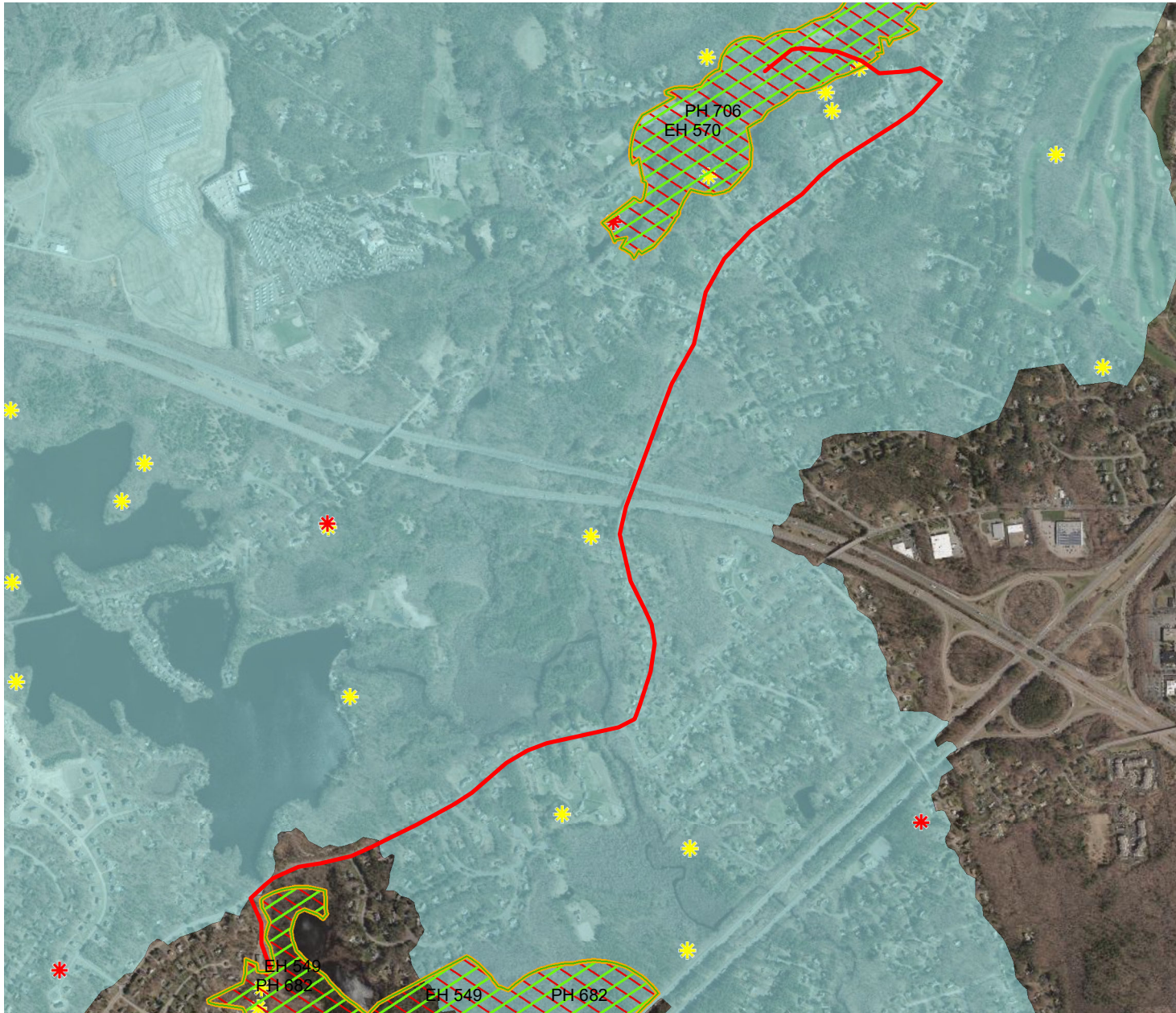
Area of Work

**FIGURE 3.6**

South Street WM Improvements  
Foxborough, MA

FEMA Map





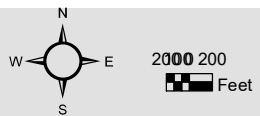
**Legend**

- Area of Work
- <all other values>
- HABITAT**
- American Oyster
- Blue Mussel
- Bay Scallop
- European Oyster
- Ocean Quahog
- Quahog
- Razor Clam
- Surf Clam
- Sea Scallop
- Soft-Shell Clam
- ACECs**
- ACECs
- NHESP Estimated Habitats of Rare Wildlife
- NHESP Priority Habitats of Rare Species
- \* NHESP Certified Vernal Pools
- \* NHESP Potential Vernal Pools
- Outstanding Resource Waters**
- Public Water Supply Contributor
- ORW for ACEC
- ORW for both Water Supply and Other

**FIGURE 4**

South Street WM Improvements  
Foxborough, MA

Environmental Resources Map



Data Source: Office of Geographic and Environmental Information (MassGIS),  
Commonwealth of Massachusetts Executive Office of Environmental Affairs





## APPENDIX A

### Site Photographs



Photo 1: Downstream Wading River (Flag line TOB C/TOB D/TOB I)



Photo 2: Upstream Wading River (Flag line TOB C/TOB D/TOB I)



Photo 3: Downstream of Perennial Stream (Flag Line TOB E/TOB F)



Photo 4: Upstream of Perennial Stream (Flag Line TOB E/TOB F)



Photo 5: Downstream of Intermittent Stream (Flag Line TOB G/TOB H)



Photo 6: Upstream of Intermittent Stream (Flag Line TOB G/ TOB H)



Photo 7: Downstream of Perennial Stream (Flag Line TOB J/TOB K)



Photo 8: Upstream of Perennial Stream (Flag Line TOB J/TOB K)