



**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

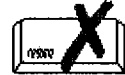
Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/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 (Note: electronic filers will click on button to locate project site):

Eaton Rd Fairhaven 02719  
 a. Street Address b. City/Town c. Zip Code  
 Latitude and Longitude: 41.61768 -70.96685  
 d. Latitude e. Longitude  
MAP 29 B Row Enclosure  
 f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

Vincent Furtado  
 a. First Name b. Last Name  
Fairhaven BPW  
 c. Organization  
S Argene St.  
 d. Street Address  
Fairhaven MA 02719  
 e. City/Town f. State g. Zip Code  
508 979 4030 508 979 4086 vfurtado@fairhaven-ma.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):

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

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

EXEMPT EXEMPT EXEMPT  
 a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid



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**A. General Information (continued)**

6. General Project Description:

excavation of existing gravel, 6" in depth. Install process gravel, grade, install a 1/2" under in fall, Ave 1/2" in spring

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

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Single Family Home                        | 2. <input type="checkbox"/> Residential Subdivision       |
| 3. <input type="checkbox"/> Commercial/Industrial                     | 4. <input type="checkbox"/> Dock/Pier                     |
| 5. <input type="checkbox"/> Utilities                                 | 6. <input type="checkbox"/> Coastal engineering Structure |
| 7. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) | 8. <input checked="" type="checkbox"/> Transportation     |
| 9. <input checked="" type="checkbox"/> 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 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☒ Yes ☐ No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

310 CMR 10.24(7) Maint + Improvement of public roads

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 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:

Bristol

a. County

156

c. Book

b. Certificate # (if registered land)

50

d. Page Number

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

- ☐ Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- ☐ Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

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) (cont'd)**

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced

f. ☐ Riverfront Area

1. Name of Waterway (if available) - **specify coastal or inland**

2. Width of Riverfront Area (check one):

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☐ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: \_\_\_\_\_ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
----------------------	-------------------------------	--

5. Has an alternatives analysis been done and is it attached to this NOI? ☐ Yes ☐ No

6. Was the lot where the activity is proposed created prior to August 1, 1996? ☐ Yes ☐ No

3. ☐ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

**Note:** for coastal riverfront areas, please complete **Section B.2.f.** above.



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

Check all that apply below. Attach narrative and 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.

Online Users:  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet _____ 2. cubic yards dredged _____	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet _____	2. cubic yards beach nourishment _____
e. <input type="checkbox"/> Coastal Dunes	1. square feet _____	2. cubic yards dune nourishment _____
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	1. linear feet _____	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet _____	
h. <input type="checkbox"/> Salt Marshes	1. square feet _____	2. sq ft restoration, rehab., creation _____
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet _____	
	2. cubic yards dredged _____	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet _____	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged _____	

l. ☒ Land Subject to Coastal Storm Flowage

2. 210  
1. ~~square feet~~ linear ft

4. ☐ 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 or B.3.h above, please enter the additional amount here.

a. square feet of BVW \_\_\_\_\_

b. square feet of Salt Marsh \_\_\_\_\_

5. ☐ Project Involves Stream Crossings

a. number of new stream crossings \_\_\_\_\_

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. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – 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

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.2.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 (including description of impacts outside of wetland resource area & buffer zone)

(b) ☐ Photographs representative of the site

\* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-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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### C. Other Applicable Standards and Requirements (cont'd)

(c) ☐ MESA filing fee (fee information available at [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_fee\\_schedule.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm)).  
Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

*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 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, [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_exemptions.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm); the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 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 & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. ☐ Not applicable – project is in inland resource area only      b. ☐ Yes      ☒ No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

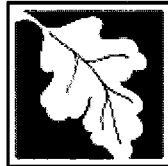
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [DMF.EnvReview-South@state.ma.us](mailto:DMF.EnvReview-South@state.ma.us)

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [DMF.EnvReview-North@state.ma.us](mailto:DMF.EnvReview-North@state.ma.us)

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



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### C. Other Applicable Standards and Requirements (cont'd)

**Online Users:**  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

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 (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- 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) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- 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.

### D. Additional Information

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

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. (Electronic filers may omit this item.)
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.



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**D. Additional Information (cont'd)**

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.

Waybridge + Eaton Rd Drainage Plan  
 a. Plan Title  
GCG Associates  
 b. Prepared By  
3/17/20  
 d. Final Revision Date  
Mike Carter, PE  
 c. Signed and Stamped by  
1" = 20'  
 e. Scale

f. Additional Plan or Document Title

g. Date

5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☐ Attach NOI Wetland Fee Transmittal Form
9. ☐ Attach Stormwater Report, if needed.

**E. Fees**

1. ☒ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name





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### 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 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.

1. Signature of Applicant

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

#### For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

#### For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

#### 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.



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**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:

Eaton Rd

a. Street Address

EXEMPT

c. Check number

Fairhaven

b. City/Town

EXEMPT

d. Fee amount

2. Applicant Mailing Address:

Vincent

a. First Name

Fairhaven BAW

c. Organization

5 Arsenne St

d. Mailing Address

Fairhaven

e. City/Town

5089794031

h. Phone Number

i. Fax Number

MA

f. State

ufairbaw@fairhaven

j. Email Address

02719

g. Zip Code

MA-90

3. Property Owner (if different):

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

**B. Fees**

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

**Step 1/Type of Activity:** Describe each type of activity that will occur in wetland resource area and buffer zone.

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

**Step 6/Fee Payments:** To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

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



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**B. Fees** (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee

Step 5/Total Project Fee: \_\_\_\_\_

**Step 6/Fee Payments:**

Total Project Fee:	<u>Exempt</u>
State share of filing Fee:	<u>Exempt</u>
City/Town share of filing Fee:	<u>Exempt</u>

a. Total Fee from Step 5  
b. 1/2 Total Fee less \$12.50  
c. 1/2 Total Fee plus \$12.50

**C. Submittal Requirements**

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.
- Department of Environmental Protection  
Box 4062  
Boston, MA 02211
- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.
- To MassDEP Regional Office** (see Instructions): 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. (E-filers of Notices of Intent may submit these electronically.)

**Notification to Abutters Under the  
Massachusetts Wetlands Protection Act  
and the Fairhaven Wetlands Bylaw**

*(this form must be completed and copies sent by certified mail  
to all abutters within 100 feet of the site of the project)*

In accordance with the Massachusetts General Laws Chapter 131, Section 40 (the Wetlands Protection Act) and the Fairhaven Wetlands Bylaw (Chapter 192), you are hereby notified of the following:

1. The applicant's name is TOWN OF FAIRHAVEN
2. The applicant has filed the following type of permit application with the Fairhaven Conservation Commission:  
☐ Request for Determination of Applicability  
☒ Notice of Intent  
☐ Request to Amend an existing Order of Conditions  
☐ Notice of Resource Area Delineation
3. The address or location of the site where the activity, project, or delineation is proposed is:  
EATON ROAD BETWEEN BRIERCLIFFE ROAD AND WAYBRIDGE ROAD (210') , Fairhaven, MA.
4. The proposed work includes \_\_\_\_\_  
EXCAVATE EXISTING GRAVEL (6" DEPTH)  
INSTALL PROCESSED GRAVEL  
GRADE ROAD  
INSTALL BINDER PAVEMENT(2 1/2") IN THE FALL  
INSTALL TOP PAVEMENT (1 1/2") IN THE SPRING  
\_\_\_\_\_
5. Copies of the above application may be examined at the Conservation Office, located in Town Hall, 40 Center Street, Fairhaven, MA 02719, between 9:00 AM and 4:00 PM, Monday through Friday. Copies may be obtained at the office if notified in advance or from the applicant.
6. Applications will also be uploaded to [www.fairhaven-ma.gov/conservation-commission/pages/current-filings](http://www.fairhaven-ma.gov/conservation-commission/pages/current-filings). If you are unable to access or view the application electronically, please contact the Conservation Office at 508-979-4023, ext. 128.
7. Notice of the public hearing including its date, time, and place will be published at least five business days in advance in the Fairhaven Neighborhood News, and will be posted on the Fairhaven Town Website and at the Fairhaven Town Hall not less than 48 hours in advance.

**PLEASE NOTE:**

Since you are receiving this notice, you may have wetland resource areas or wetland buffers on your property. Therefore, construction, cutting, clearing, or grading may require a permit. For clarification or for more information, call the Conservation Agent at 508-979-4082 or visit our website.

✓ 8 notices

**Abutters List**print this list

Date: August 31, 2021

Subject Property Address: 7 EATON ROAD Fairhaven, MA

Subject Property ID: 29B-301

Search Distance: 100 Feet

-----  
Prop ID: 29B-237

Prop Location: WAYBRIDGE ROAD Fairhaven, MA

Owner: FAIRHAVEN TOWN OF ✓  
----------  
Prop ID: 29B-237A

Prop Location: 4 WAYBRIDGE ROAD Fairhaven, MA

Owner: FAIRHAVEN TOWN OF ✓  
----------  
Prop ID: 29B-271

Prop Location: WAYBRIDGE &amp; TORRINGTON Fairhaven, MA

Owner: TONNESSEN TROY

*Beauregard, Norman* ✓  
----------  
Prop ID: 29B-293

Prop Location: 8 EATON ROAD Fairhaven, MA

Owner: DAVIS SALLY ANN TRUSTEE OF THE

Co-Owner: REVOCABLE TRUST ✓  
----------  
Prop ID: 29B-298

Prop Location: 2 BRIERCLIFFE ROAD Fairhaven, MA

Owner: FERNANDES MANUEL C &amp; MARIA G

Co-Owner: TRUSTEES OF THE FERNANDES TR ✓  
----------  
Prop ID: 29B-304

Prop Location: 7 WAYBRIDGE ROAD Fairhaven, MA

Owner: FOURNIER JACK & LORRAINE L ✓  
-----

Prop ID: 29B-335 ✓

Prop Location: 8 BRIERCLIFFE ROAD Fairhaven, MA

Owner: MENTZER TIMOTHY E & DIANE M

Prop ID: 29B-339

Prop Location: 12 BRIERCLIFFE ROAD Fairhaven, MA

Owner: ~~LANDRY JOSEPH ALFRED & HELEN~~  
*Silver, James* ✓

Prop ID: 29B-341

Prop Location: 14 BRIERCLIFFE ROAD Fairhaven, MA

Owner: SILVER JAMES R

Prop ID: 29B-343 ✓

Prop Location: 16 BRIERCLIFFE ROAD Fairhaven, MA

Owner: SILVER KENNETH W

Prop ID: 29B-748 ✓

Prop Location: RESERVATION ROAD Fairhaven, MA

Owner: BELOHLAVEK MICHAEL, MALONE,

Co-Owner: JOAN, SULLIVAN, FRANCIS &



# 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

## 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.

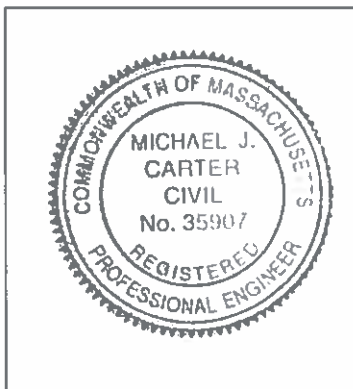
*Note:* Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that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

### 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



Michael J. Carter

09/02/2021

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

## Checklist (continued)

See attached HydroCAD report, decreased peak runoff and volume for all four storm events.

### 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

Recharge Vol. required -  $3,560 \text{ s.f.} \times 0.25"(\text{HSG-C})/12" = 74.2 \text{ c.f.}$   
Waiver request, down steam area consists of HSG 'D' soil and not suitable for recharge per Massachusetts Stormwater Handbook.

- ☒ 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.

<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)

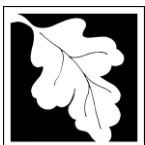
- ☐ The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.
- ☐ Documentation is provided showing that infiltration BMPs do not adversely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

### Standard 4: Water Quality

*Re-development project, Standard 4 to the maximum extent practicable. Proposed reduced gravel roadway surface area, and discharge surface runoff to vegetated filter strip for pretreatment.*

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) (N/A)

- ☐ 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 (N/A)

- ☐ 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

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## 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 (Existing roadway repair, with reduced roadway surface area.)
  - ☐ 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

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## 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.

## Eaton Road – Roadway Improvements – Fairhaven, Massachusetts

Date: September 2, 2021

### Project Narrative:

Eaton Road is an existing gravel road connecting between Briercliff Road and Weybridge (Waybridge) Road. Eaton Road was accepted by the Town of Fairhaven in 2002 as shown on the Acceptance Plan of Eaton Road 40 Feet Wide, From Briercliff Road to Weybridge Road, Fairhaven, MA. Plan prepared by SMC Surveying and Mapping Consultants, dated March 8, 2002, signed by the Fairhaven Board of Selectmen on 6-10-02 and by the Planning Board on 6-11-02. And recorded to the Bristol County Southern District Registry of Deeds on 10-18-2002. (Copy of Plan included in the NOI package.)

Briercliff Road is a paved roadway serves approximately 30 residential dwellings, both Eaton Road and Waybridge Road are gravel roads, Eaton Road serves 2 residential dwellings and Waybridge Road also serves 2 residential dwellings. In addition, Eaton Road also connects to an existing Town of Fairhaven pump station.

Eaton Road consists of 40 feet wide right-of-way and the gravel road width varies between 20 to 25 feet and approximately 200 feet in length.

This project proposed to pave the Eaton gravel road to 18' width and including the Waybridge Road intersection. The length of the pavement will be approximately 182+/- feet to the front of the pump station. The pavement will eliminate frequent repair (adding crushed gravel every 2 to 3 years) of the gravel road surface and prevent erosion. The paved roadway will reduce the gravel surface by approximately 1,185 s.f.

This project is a "re-development project" per MSH Standard #7 and a "limited project" per 310 CMR 10.24(7)(c)1 – 'Maintenance and improvement of existing public roadways, but limited to widening less than a single lane, adding shoulders, correcting substandard intersections, and improving drainage systems.' Eaton Road is an accepted Town road, the proposed work does not create any new uses nor new building structures. The existing compacted gravel road has a CN value of 96 in comparison with pavement's CN value of 98. Hence, the gravel road is considered as impervious. This proposed pavement area will reduce the gravel roadway surface from 4,745 s.f. to 3,560 s.f. and decrease the post-development peak flow rate and runoff volume in all four study storm events. Therefore, this project qualified for Re-development and Limited project.

### Stormwater Management Requirements. (For Redevelopment Project)

Standard #1 - no new outfall untreated. The existing outfall is located at the Eaton Road and Waybridge Road intersection. We proposed rip-rap apron at the intersection will eliminate any erosion and sedimentation. Therefore, the project conforms with standard #1.

Standards #2 – no increase of peak runoff, (maximum extent practicable for re-development project). We reduced the gravel surface by 1,185 s.f. and reduced the peak runoff and volume (as required by the Fairhaven Stormwater Management regulations). Therefore, it meets Standard #2 requirements, see attached HydroCAD report.

Standard #3 – Groundwater Recharge, (maximum extent practicable for re-development project). Eaton Road roadway is located within the HSG 'C' soil per NRCS Web Soil Survey Report, attached; However, the down stream discharge point is in HSG 'D'. Therefore, groundwater recharge is unfeasible and hence a waiver is requested.

Standard #4 – TSS removal - as a minimum, pre-treatment should be provided for redevelopment project. The proposed pavement directed the roadway runoff toward the westside abutters' property (with wood/brush vegetation surface) and toward the northwest Waybridge Road intersection (a wooded area),

the same existing flow path/discharge points. Where qualified as 'qualifying pervious area' as defined by the MSH's LID site design credit, which also functioning as a vegetated filter strip BMP. However, the Town does not have control of the properties (and without the benefit of an easement). Therefore, no LID site design credit claimed in this project. The applicant has proposed rip-rap swale apron at the discharge point to prevent erosion.

Standard #5 – LUHPPL. Not applicable.

Standard #6 - Zone II. Not applicable.

Standard #7 – This project is a redevelopment project, no new uses and dwelling/building created. This is a roadway improvement project converting existing gravel roadway to pavement with reduced roadway surface area.

Standard #8 - Construction period O&M plan is included in the NOI package, (copy attached).

Standard #9 - Long term O&M Plan is included in the NOI package, (copy attached). Please be aware of that the Town (DPW) does not just maintain any specific project(s) but maintaining the entire Town according with the MS4 permit requirements.

Standard #10 – No Illicit discharge – a Statement is included in the NOI package, (copy attached).



## **Stormwater Checklist**

The Mass DEP Stormwater Report Checklist and Certification is attached to certify that the **Eaton Rd Roadway Improvement Project** for the Town of Fairhaven conforms to the Massachusetts Stormwater Volume 2, Chapter 3 Regulations and meets acceptable engineering standards. The project is classified as a roadway maintenance and improvement of the existing roadway drainage system.

**Standard #8: Construction period pollution prevention and sedimentation erosion control.**

**I. INTRODUCTION**

The maintenance program below provides for a general construction plan with specific requirements for the **Eaton Rd Roadway Improvement Project** stormwater management controls.

The program is based on the recommended standards presented in the DEP Stormwater Management Policy Handbook dated March 1997 and Guidelines for Stormwater Management and Controlling Urban Runoff: A Practical Manual for Planning and Designing Urban BMPs, by Thomas R. Schueler, July 1987.

**II. RESPONSIBILITY AND IMPLEMENTATION**

The implementation and execution of this maintenance program shall be the responsibility of the Town of Fairhaven BPW. Construction activities shall conform to the approved project construction plans referenced below and any other regulations or requirements of the Town of Fairhaven.

Silt fence and hay waddles shall be in place before construction shall begin and shall be properly maintained throughout the course of construction.

All BMPs and sediment controls shall be inspected on a weekly basis and within 24 hours of a rain event that generates more than  $\frac{1}{2}$ " of rain in a 24-hour period.

Should any dewatering activities be required, the BPW shall make certain that all pumped water is free of sediment prior to discharging.

### **III. MAINTENANCE AND INSPECTION SCHEDULE**

#### **A. Erosion Control**

All sediment and debris removed from erosion control shall be properly handled and disposed of in accordance with local, state, and federal guidelines and regulations.

Any required maintenance or repairs noted during the inspection should be addressed immediately.

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

##### **I. INTRODUCTION**

The maintenance program below provides for a general post construction plan with specific requirements for Eaton Rd stormwater management controls.

The program is based on the recommended standards presented in the DEP Stormwater Management Policy Handbook dated March 1997 and Guidelines for Stormwater Management and Controlling Urban Runoff: A Practical Manual for Planning and Designing Urban BMPs, by Thomas R. Schueler, July 1987.

##### **II. RESPONSIBILITY AND IMPLEMENTATION**

The implementation and execution of this maintenance program shall be the responsibility of the Town of Fairhaven BPW.

##### **III. MAINTENANCE AND INSPECTION SCHEDULE**

###### **A. Drainage Inspection**

Inspect drainage improvements every 3 months or after significant rainfall.

###### **B. Street Sweeping - Eaton Rd.**

Eaton Rd will be swept a minimum of 2x per year to remove accumulated road debris.

All material removed from the street should be handled properly and disposed of in accordance with local, state, and federal guidelines and regulations.

Care will be taken to inspect the roadway after major rain events and winter plowing. Any required maintenance or repairs noted during the inspection should be addressed immediately.

**Standard #10: All illicit discharges to the stormwater management system are prohibited.**

## **I. STATEMENT**

This site as shown on the plan titled "Town of Fairhaven, Massachusetts, Waybridge and Eaton Road Drain Improvements", prepared by GCG Associates, Inc. and dated March 17, 2020 does not contain any illicit discharges, this was confirmed using visual screening as required by standard 10 of the "Massachusetts Stormwater Handbook" Vol. 1, Ch. 1 page 25.

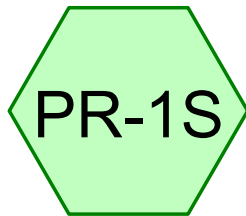
The project proponent, owner, or lessee (in perpetuity) must comply with local, state, and federal regulations for the discharge of illicit discharges from the site.

Illicit discharges are discharges that are not entirely comprised of storm water. Notwithstanding the foregoing, an illicit discharge does not include discharges from the following activities:

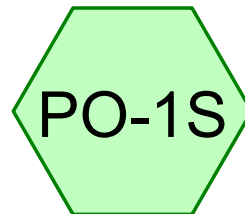
- Fire fighting
- Water line flushing
- Landscape irrigation
- Uncontaminated ground water
- Potable water sources
- Foundation drains
- Air conditioning condensation
- Footing drains
- Individual car washing

- Water used for street washing and water used to clean residential buildings without detergents

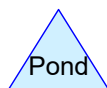
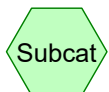
The project proponent, owner, or lessee (in perpetuity) shall adhere to this report on file with the Town of Fairhaven Conservation Commission.



Pre1S



Post1S



## Eaton Road - Fairhaven

Prepared by GCG Associates, Inc.

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Page 2

### Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
7,695	74	>75% Grass cover, Good, HSG C (PO-1S, PR-1S)
4,745	96	Gravel surface, HSG C (PR-1S)
3,560	98	Paved roads w/curbs & sewers, HSG C (PO-1S)
<b>16,000</b>	<b>86</b>	<b>TOTAL AREA</b>

## Eaton Road - Fairhaven

Prepared by GCG Associates, Inc.

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Page 3

### Soil Listing (all nodes)

Area (sq-ft)	Soil Group	Subcatchment Numbers
0	HSG A	
0	HSG B	
16,000	HSG C	PO-1S, PR-1S
0	HSG D	
0	Other	
<b>16,000</b>		<b>TOTAL AREA</b>



## Eaton Road - Fairhaven

Prepared by GCG Associates, Inc.

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Page 4

### Ground Covers (all nodes)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover
0	0	7,695	0	0	7,695	>75% Grass cover, Good
0	0	4,745	0	0	4,745	Gravel surface
0	0	3,560	0	0	3,560	Paved roads w/curbs & sewers
<b>0</b>	<b>0</b>	<b>16,000</b>	<b>0</b>	<b>0</b>	<b>16,000</b>	<b>TOTAL AREA</b>

## Eaton Road - Fairhaven

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Type III 24-hr 2-yr Rainfall=3.50"

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Page 5

Time span=0.00-26.00 hrs, dt=0.01 hrs, 2601 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

### Subcatchment PO-1S: Post1S

Runoff Area=8,000 sf 44.50% Impervious Runoff Depth=2.02"

Tc=6.0 min CN=85 Runoff=0.43 cfs 1,344 cf

### Subcatchment PR-1S: Pre1S

Runoff Area=8,000 sf 0.00% Impervious Runoff Depth=2.18"

Tc=6.0 min CN=87 Runoff=0.47 cfs 1,455 cf

**Total Runoff Area = 16,000 sf Runoff Volume = 2,799 cf Average Runoff Depth = 2.10"**  
**77.75% Pervious = 12,440 sf 22.25% Impervious = 3,560 sf**

**Eaton Road - Fairhaven**

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Type III 24-hr 2-yr Rainfall=3.50"

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**Summary for Subcatchment PO-1S: Post1S**

Runoff = 0.43 cfs @ 12.09 hrs, Volume= 1,344 cf, Depth= 2.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 2-yr Rainfall=3.50"

Area (sf)	CN	Description
4,440	74	>75% Grass cover, Good, HSG C
3,560	98	Paved roads w/curbs & sewers, HSG C
8,000	85	Weighted Average
4,440		55.50% Pervious Area
3,560		44.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

**Summary for Subcatchment PR-1S: Pre1S**

Runoff = 0.47 cfs @ 12.09 hrs, Volume= 1,455 cf, Depth= 2.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 2-yr Rainfall=3.50"

Area (sf)	CN	Description
3,255	74	>75% Grass cover, Good, HSG C
4,745	96	Gravel surface, HSG C
8,000	87	Weighted Average
8,000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

## Eaton Road - Fairhaven

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Type III 24-hr 10-yr Rainfall=4.90"

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Time span=0.00-26.00 hrs, dt=0.01 hrs, 2601 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

### Subcatchment PO-1S: Post1S

Runoff Area=8,000 sf 44.50% Impervious Runoff Depth=3.28"

Tc=6.0 min CN=85 Runoff=0.70 cfs 2,184 cf

### Subcatchment PR-1S: Pre1S

Runoff Area=8,000 sf 0.00% Impervious Runoff Depth=3.47"

Tc=6.0 min CN=87 Runoff=0.74 cfs 2,315 cf

**Total Runoff Area = 16,000 sf Runoff Volume = 4,499 cf Average Runoff Depth = 3.37"**  
**77.75% Pervious = 12,440 sf 22.25% Impervious = 3,560 sf**

**Eaton Road - Fairhaven**

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Type III 24-hr 10-yr Rainfall=4.90"

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**Summary for Subcatchment PO-1S: Post1S**

Runoff = 0.70 cfs @ 12.09 hrs, Volume= 2,184 cf, Depth= 3.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 10-yr Rainfall=4.90"

Area (sf)	CN	Description
4,440	74	>75% Grass cover, Good, HSG C
3,560	98	Paved roads w/curbs & sewers, HSG C
8,000	85	Weighted Average
4,440		55.50% Pervious Area
3,560		44.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

**Summary for Subcatchment PR-1S: Pre1S**

Runoff = 0.74 cfs @ 12.09 hrs, Volume= 2,315 cf, Depth= 3.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 10-yr Rainfall=4.90"

Area (sf)	CN	Description
3,255	74	>75% Grass cover, Good, HSG C
4,745	96	Gravel surface, HSG C
8,000	87	Weighted Average
8,000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

**Eaton Road - Fairhaven***Type III 24-hr 25-yr Rainfall=5.70"*

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Time span=0.00-26.00 hrs, dt=0.01 hrs, 2601 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment PO-1S: Post1S**

Runoff Area=8,000 sf 44.50% Impervious Runoff Depth=4.02"

Tc=6.0 min CN=85 Runoff=0.85 cfs 2,680 cf

**Subcatchment PR-1S: Pre1S**

Runoff Area=8,000 sf 0.00% Impervious Runoff Depth=4.23"

Tc=6.0 min CN=87 Runoff=0.89 cfs 2,820 cf

**Total Runoff Area = 16,000 sf   Runoff Volume = 5,501 cf   Average Runoff Depth = 4.13"**  
**77.75% Pervious = 12,440 sf   22.25% Impervious = 3,560 sf**

**Eaton Road - Fairhaven**

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Type III 24-hr 25-yr Rainfall=5.70"

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**Summary for Subcatchment PO-1S: Post1S**

Runoff = 0.85 cfs @ 12.09 hrs, Volume= 2,680 cf, Depth= 4.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25-yr Rainfall=5.70"

Area (sf)	CN	Description
4,440	74	>75% Grass cover, Good, HSG C
3,560	98	Paved roads w/curbs & sewers, HSG C
8,000	85	Weighted Average
4,440		55.50% Pervious Area
3,560		44.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

**Summary for Subcatchment PR-1S: Pre1S**

Runoff = 0.89 cfs @ 12.09 hrs, Volume= 2,820 cf, Depth= 4.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25-yr Rainfall=5.70"

Area (sf)	CN	Description
3,255	74	>75% Grass cover, Good, HSG C
4,745	96	Gravel surface, HSG C
8,000	87	Weighted Average
8,000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

## Eaton Road - Fairhaven

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Type III 24-hr 100-yr Rainfall=7.10"

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Time span=0.00-26.00 hrs, dt=0.01 hrs, 2601 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

### Subcatchment PO-1S: Post1S

Runoff Area=8,000 sf 44.50% Impervious Runoff Depth=5.35"

Tc=6.0 min CN=85 Runoff=1.12 cfs 3,565 cf

### Subcatchment PR-1S: Pre1S

Runoff Area=8,000 sf 0.00% Impervious Runoff Depth=5.58"

Tc=6.0 min CN=87 Runoff=1.15 cfs 3,717 cf

**Total Runoff Area = 16,000 sf Runoff Volume = 7,283 cf Average Runoff Depth = 5.46"**  
**77.75% Pervious = 12,440 sf 22.25% Impervious = 3,560 sf**



**Eaton Road - Fairhaven**

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Type III 24-hr 100-yr Rainfall=7.10"

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**Summary for Subcatchment PO-1S: Post1S**

Runoff = 1.12 cfs @ 12.09 hrs, Volume= 3,565 cf, Depth= 5.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
4,440	74	>75% Grass cover, Good, HSG C
3,560	98	Paved roads w/curbs & sewers, HSG C
8,000	85	Weighted Average
4,440		55.50% Pervious Area
3,560		44.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

**Summary for Subcatchment PR-1S: Pre1S**

Runoff = 1.15 cfs @ 12.08 hrs, Volume= 3,717 cf, Depth= 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs  
Type III 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
3,255	74	>75% Grass cover, Good, HSG C
4,745	96	Gravel surface, HSG C
8,000	87	Weighted Average
8,000		100.00% Pervious Area

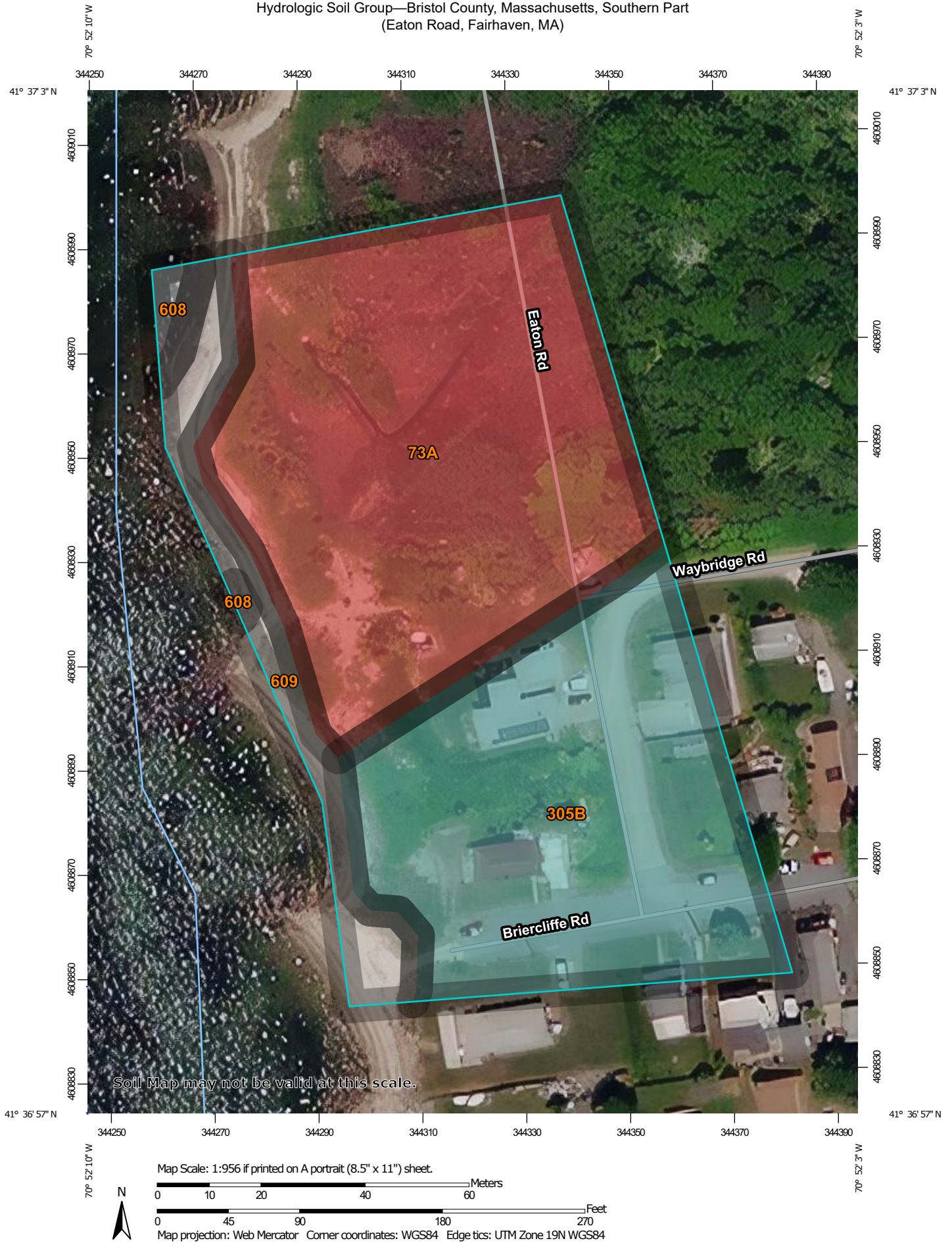
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

**TABLE 1**

**EATON ROAD, RUNOFF  
PRE vs. POST DEVELOPMENT CONDITIONS**

Discharge Point		2-year		10-year		25-year		100-year	
		Pre	Post	Pre	Post	Pre	Post	Pre	Post
Eaton Road and Waybridge Road Intersection	Q peak	0.47 cfs	0.43 cfs	0.74 cfs	0.70 cfs	0.89 cfs	0.85 cfs	1.15 cfs	1.12 cfs
	Vol.	1,455 cf	1,344 cf	2,315 cf	2,184 cf	2,820 cf	2,680 cf	3,717 cf	3,565 cf

Hydrologic Soil Group—Bristol County, Massachusetts, Southern Part  
(Eaton Road, Fairhaven, MA)



MAP LEGEND

**Area of Interest (AOI)**

Area of Interest (AOI)

**Soils**

**Soil Rating Polygons**

A

A/D

B

B/D

C

C/D

D

Not rated or not available

**Water Features**

Streams and Canals

**Transportation**

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

**Background**

Aerial Photography

**Soil Rating Lines**

A

A/D

B

B/D

C

C/D

D

Not rated or not available

**Soil Rating Points**

A

A/D

B

B/D

**C**

**C/D**

**D**

**Not rated or not available**

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bristol County, Massachusetts, Southern Part  
Survey Area Data: Version 14, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Jul 3, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
73A	Whitman fine sandy loam, 0 to 3 percent slopes, extremely stony	D	1.6	51.2%
305B	Paxton fine sandy loam, 3 to 8 percent slopes	C	1.2	39.1%
608	Water, ocean		0.0	1.1%
609	Beaches, Boulders		0.3	8.7%
<b>Totals for Area of Interest</b>			<b>3.1</b>	<b>100.0%</b>

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

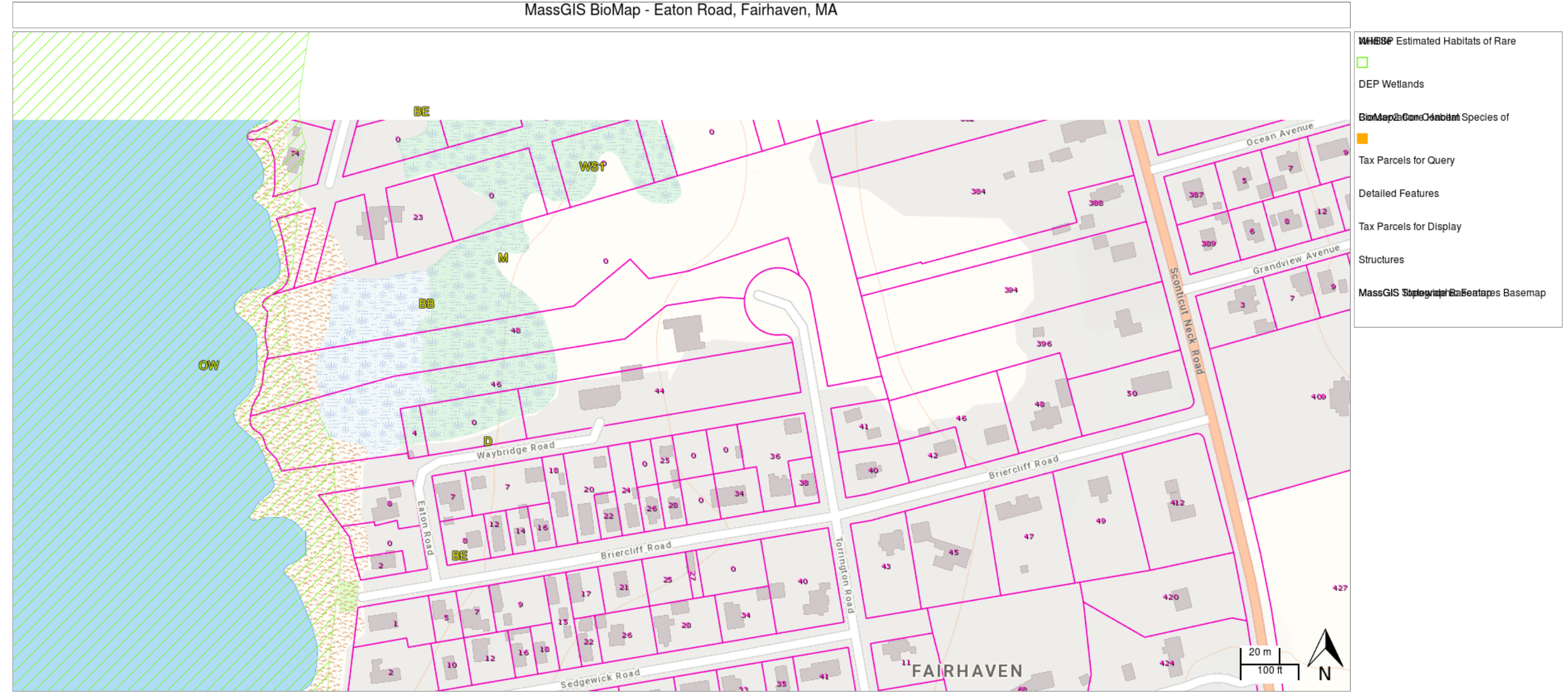
## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher





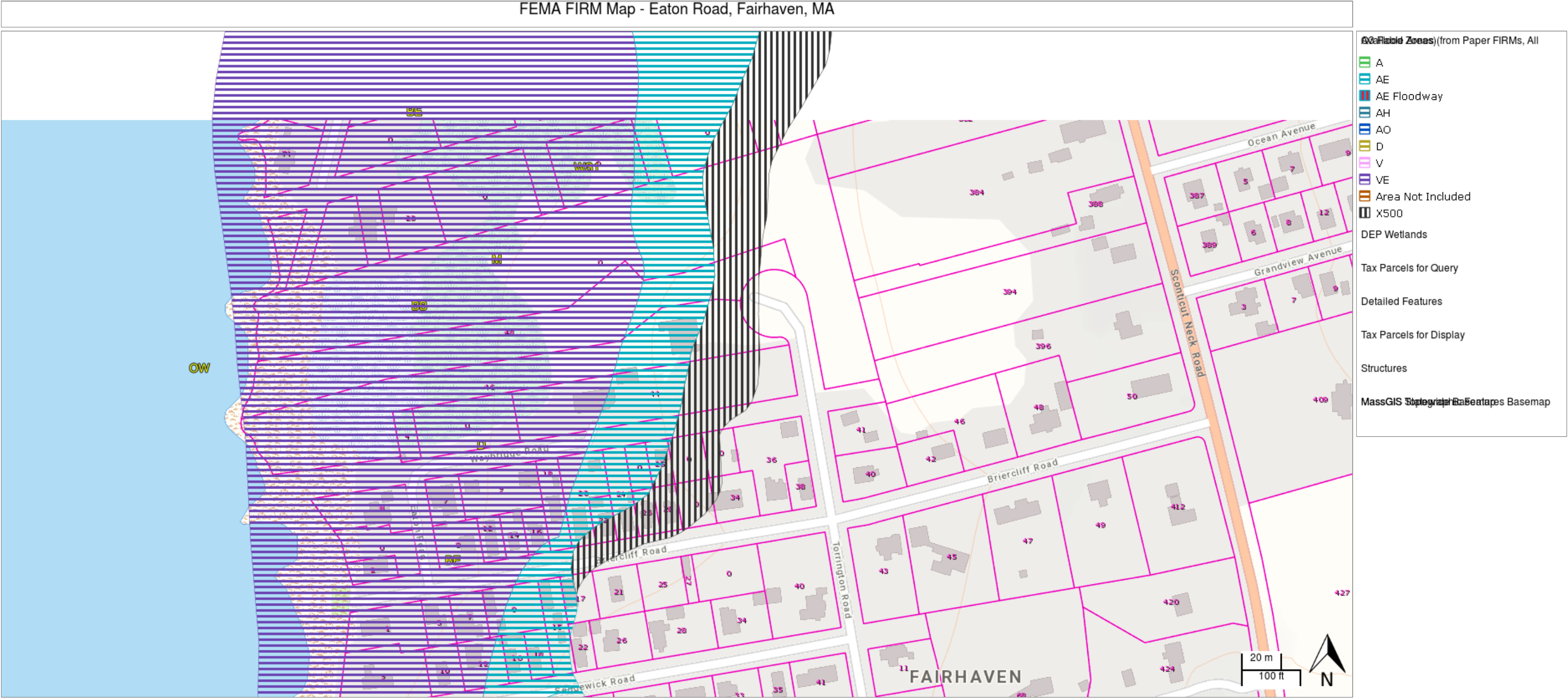










Image capture: Oct 2012 © 2021 Google

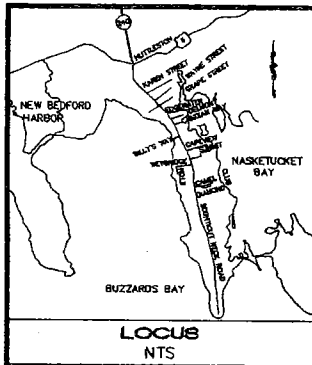
Fairhaven, Massachusetts



Street View - Oct 2012



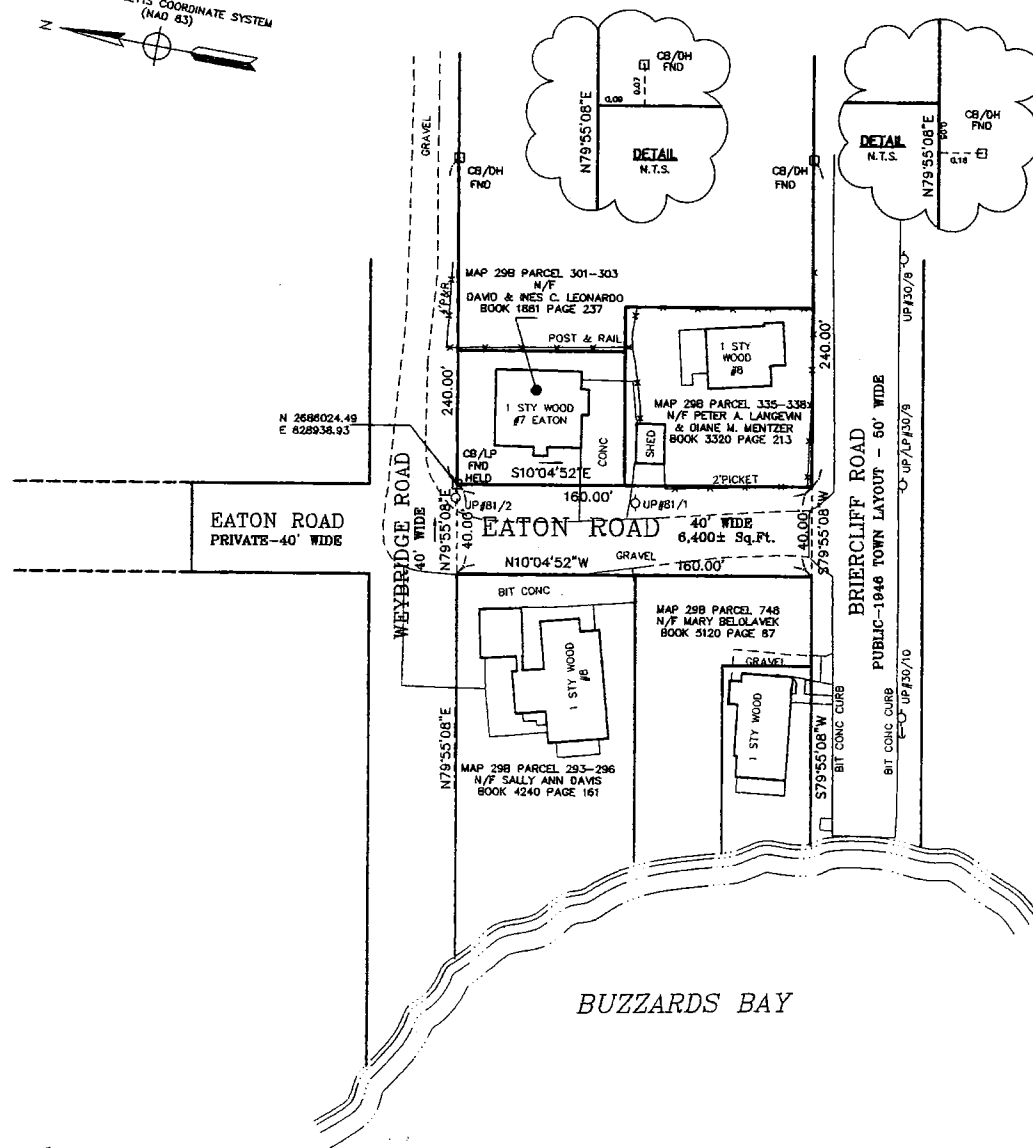
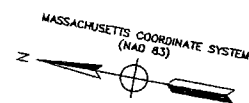




LOCUS  
NTS

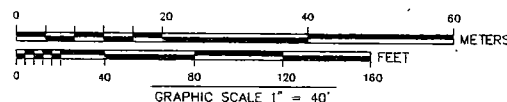
#### LEGEND

- PK NAIL
- IRON PIPE
- STAKE & TACK
- CONCRETE BOUND
- ESCUTCHEON PIN/LEAD PLUG
- FOUND
- NOW OR FORMERLY
- RETAINING WALL
- FENCE
- STONEWALL



#### REFERENCES

- SHORE ACRES FAIRHAVEN, MASS.  
OWNER: FRED C. TOBEY LAND COMPANY  
DATED: APRIL 1916 SCALE: 1"=60'  
PLAN BOOK NO. 14 PAGE 63
- PLAN OF LAND ON WEYBRIDGE ROAD, FAIRHAVEN  
PREPARED FOR JACK & LORRAINE FOURNIER  
DATED: SEPTEMBER 30, 1996 SCALE: 1"=30'  
PLAN BOOK NO. 137 PAGE 5
- DEFINITIVE SUBDIVISION OF LAND IN FAIRHAVEN, MA  
PREPARED FOR ALFRED & HILDA NOGUEIRA  
DATED: FEBRUARY 7, 1990 SCALE: 1"=40'  
PLAN BOOK NO. 127 PAGE 114
- PLAN OF LAND IN FAIRHAVEN  
PREPARED BY SAMUEL H. CORSE  
DATED: OCTOBER 21, 1946 SCALE: 1"=40'  
LAND COURT PLAN 20523A
- TOPOGRAPHIC SURVEY SEWER EXTENSION PROJECT  
SCOUTICUT NECK, FAIRHAVEN, MA  
DATED: OCTOBER 9, 2001 SCALE: 1"=40'  
PREPARED BY: SURVEYING AND MAPPING CONSULTANTS, INC.  
SMC DRAWING NO. K11501FP.DWG
- ACCEPTANCE PLAN OF WEYBRIDGE ROAD  
DATED: MARCH 8, 2002 SCALE: 1"=40'  
PREPARED BY: SURVEYING AND MAPPING CONSULTANTS, INC.  
SMC DRAWING NO. Weybridge.DWG



FAIRHAVEN PLANNING BOARD

*Alfred J. Thomas*  
*Alfred J. Thomas*  
*Channing L. Thomas*  
*Marvin L. Thomas*  
*Wayne L. Thomas*  
*Jeffrey L. Thomas*

DATE 6-11-02

FAIRHAVEN  
BOARD OF SELECTMEN

DATE

6-10-02

REC'D & RECORDED  
2002 OCT 18 AM 10:07  
REGISTRY OF DEEDS  
BRISTOL COUNTY  
SOUTHERN DISTRICT

FOR REGISTRY USE ONLY

*Clara M. Lurvey*  
TOWN CLERK  
DATE: 6/12/02

DATE: June 8, 2002  
ACCEPTED AT TOWN MEETING

THIS PLAN HAS BEEN PREPARED IN CONFORMITY  
WITH THE RULES AND REGULATIONS OF THE  
REGISTERS OF DEEDS OF THE COMMONWEALTH  
OF MASSACHUSETTS.  
THE PROPERTY LINES SHOWN ON THIS PLAN  
ARE THE LINES DIVIDING EXISTING OWNERSHIPS,  
AND THE LINES OF THE STREETS AND WAYS  
SHOWN ARE THOSE OF PUBLIC OR PRIVATE  
STREETS OR WAYS ALREADY ESTABLISHED, AND  
THAT NO NEW LINES FOR DIVISION OF EXISTING  
OWNERSHIP OR FOR NEW WAYS ARE SHOWN.



*Kevin Hanley*  
KEVIN HANLEY  
MASSACHUSETTS REG. NO. 31313

170 FORBES ROAD  
SUITE 207  
BRAINTREE MA 02184  
(781)380-7766  
FAX (781)380-7757

**SMC** SURVEYING AND MAPPING CONSULTANTS

ACCEPTANCE PLAN OF  
EATON ROAD  
40 FEET WIDE  
FROM BRIARCLIFF ROAD  
TO WEYBRIDGE ROAD  
FAIRHAVEN, MA  
SCALE: 1"=40'  
MARCH 8, 2002

SMC DWG. NO. K11503/EatonRoad.DWG

SHEET 1 OF 1

GENERAL NOTES

1. PLANS AND TOPOGRAPHIC INFORMATION ARE PREPARED FROM A GROUND INSTRUMENT AND AERIAL DRONE SURVEY PERFORMED BY GCG ASSOCIATES, INC DURING FEBRUARY 2020.
2. THE LOCATIONS AND ELEVATIONS SHOWN REFER TO MASSACHUSETTS STATE PLANE COORDINATE SYSTEM. (NAD 83 -NAVD 88).
3. CONTOUR INTERVAL: 1 FOOT
4. PROPERTY LINES AND SIDELINES WERE ESTABLISHED, APPROXIMATELY, FROM MASS GIS DATA LAYERS.
5. THE LOCATIONS OF SUBSURFACE UTILITIES AND STRUCTURES WERE OBTAINED FROM AVAILABLE TOWN AND UTILITY RECORDS. THE SIZE, TYPE AND LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL PROPERLY LOCATE THE UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN UTILITY INFORMATION BY CONTACTING DIGSAFE (811). THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINES.
6. SUBSURFACE UTILITY LINES, AS SHOWN HEREON, WERE COMPILED ACCORDING TO AVAILABLE RECORD INFORMATION FROM THE REFERENCED UTILITY COMPANIES AND THE TOWN OF FAIRHAVEN. THE LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. GCG ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACURATELY SHOWN.
- GENERALLY THE LINES IN THE PUBLIC AND PRIVATE WAYS ARE SHOWN AND THE LATERAL CONNECTIONS SERVING INDIVIDUAL PROPERTIES ARE NOT SHOWN. BEFORE DESIGNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITIES MUST BE CONSULTED.
- BEFORE CONSTRUCTION, ALL UTILITIES, PUBLIC AND PRIVATE MUST BE NOTIFIED (SEE MASSACHUSETTS GENERAL LAWS, CHAPTER 82 SECTION 40.) CALL "DIG SAFE" (811) HTTP://WWW.DIGSAFE.COM
7. WATER MAINS ARE ASSUMED TO BE 5 FEET BELOW THE EXISTING GROUND SURFACE. GAS LINES ARE ASSUMED TO BE 3 FEET BELOW THE EXISTING GROUND SURFACE. TELEPHONE AND ELECTRIC CONDUIT ARE ASSUMED TO BE 2 FEET BELOW THE EXISTING GROUND SURFACE.
8. LOCATION OF PROPOSED DRAINAGE SYSTEM MAY BE ALTERED IN THE FIELD BY THE ENGINEER TO SUIT FIELD CONDITIONS.
9. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A CONSTRUCTION SCHEDULE DELINEATING THE SEQUENCE OF WORK, TRAFFIC MANAGEMENT PLAN AND ESTIMATED TIME OF COMPLETION OF EACH SEGMENT OF WORK, PRIOR TO THE COMMENCEMENT OF WORK.
10. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TRAFFIC FLOW DURING CONSTRUCTION SATISFACTORY TO THE ENGINEER AND THE TOWN OF FAIRHAVEN. NO EQUIPMENT SHALL BE ALLOWED TO BE PARKED ON THE ROAD WHEN NOT IN USE. MATERIALS SHALL NOT BE STOCKPILED ON THE ROAD.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE RESTORATION AND CLEAN UP UPON COMPLETION OF THE PROJECT.
12. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES, AND FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ALL WORK INCLUDED UNDER THIS CONTRACT. THE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SAFETY BARRIERS, WARNING FLASHERS AND THE LIKE, AS REQUIRED BY THE CONDUCT OF THE WORK FOR THE PROTECTION OF WORKERS AND NON-WORKERS ALIKE. THE CONTRACTORS ATTENTION IS DIRECTED TO OSHA REQUIREMENTS.
13. ALL CONSTRUCTION SIGNING SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

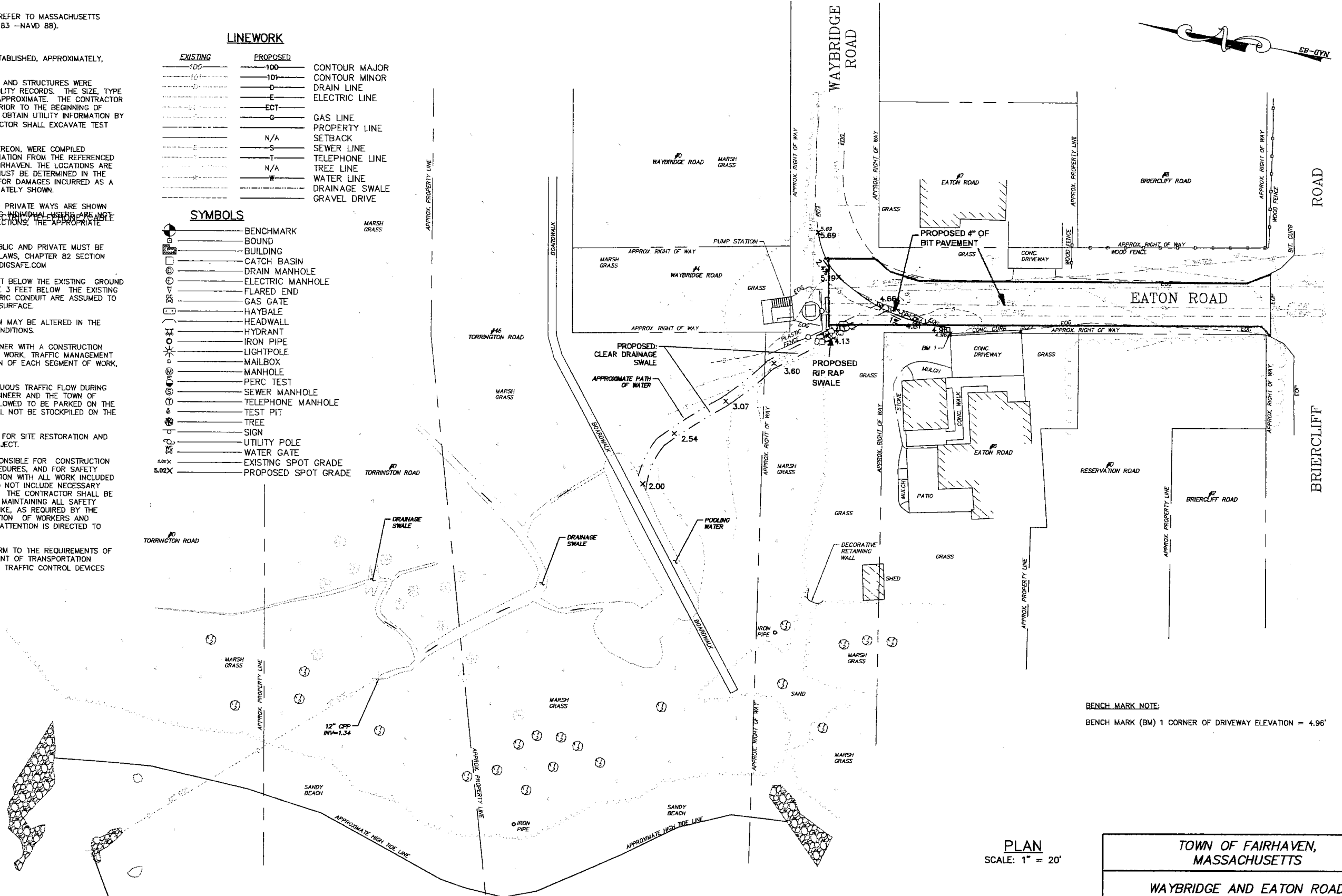
WAYBRIDGE ROAD

LINEWORK

EXISTING	PROPOSED	
100	100	CONTOUR MAJOR
101	101	CONTOUR MINOR
D	D	DRAIN LINE
E	E	ELECTRIC LINE
ECT	ECT	
G	G	GAS LINE
N/A	N/A	PROPERTY LINE
S	S	SEWER LINE
T	T	TELEPHONE LINE
N/A	N/A	TREE LINE
W	W	WATER LINE
		DRAINAGE SWALE
		GRAVEL DRIVE

SYMBOLS

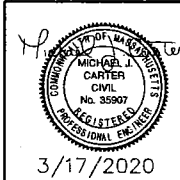
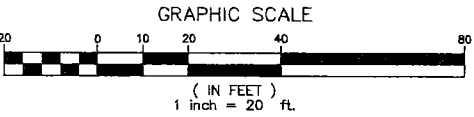
BENCHMARK	
BOUND	
BUILDING	
CATCH BASIN	
DRAIN MANHOLE	
ELECTRIC MANHOLE	
FLARED END	
GAS GATE	
HAYBALE	
HEADWALL	
HYDRANT	
IRON PIPE	
LIGHTPOLE	
MAILBOX	
MANHOLE	
PERC TEST	
SEWER MANHOLE	
TELEPHONE MANHOLE	
TEST PIT	
TREE	
SIGN	
UTILITY POLE	
WATER GATE	
EXISTING SPOT GRADE	
PROPOSED SPOT GRADE	



BENCH MARK NOTE:  
BENCH MARK (BM) 1 CORNER OF DRIVEWAY ELEVATION = 4.96'

PLAN  
SCALE: 1" = 20'

FAIRHAVEN HARBOR



TOWN OF FAIRHAVEN, MASSACHUSETTS	
WAYBRIDGE AND EATON ROAD PROPOSED DRAINAGE PLAN	
GCG ASSOCIATES, INC.	
WILMINGTON, MASSACHUSETTS	
SCALE: 1" = 20'	DATE: MARCH 17, 2020
JOB NO. \FILE NAME:	DESIGNED BY: L.P.B.
197B-WORKING	DRAWN BY: L.P.B.
	CHECKED BY: M.J.C.
	PLAN NO.
	1 OF 1

# Massachusetts Interactive Property Map

Details

### To access parcel information:

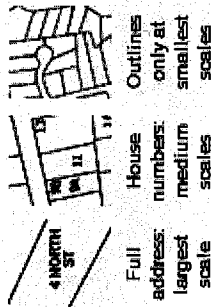
- Enter an address or zoom in by using the +/- tools or your mouse scroll wheel. **Parcels will draw when zoomed in.**
- Click on a parcel to display a popup with information about that parcel.

Click the **"Basemap"** button to display background aerial imagery.

From the **"Layers"** button you can turn map features on and off. Check on 'Download Parcel Data by City/Town' and click in the map for links to download all parcel data for that municipality.

### Complete Help (PDF)

### Parcel Legend:



### Full Map Legend

### About this Viewer

The map displays land property boundaries from assessor parcel maps across Massachusetts. Parcel information is from local assessor databases. [More...](#)

[Read about and download parcel data](#)

