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 #:
eDEP Transaction #:1878304
City/Town:FAIRHAVEN

A.General Information

1. Project Location:

a. Street Address	7 BERNESE		
b. City/Town	FAIRHAVEN	c. Zip Code	02719
d. Latitude	41.62069N	e. Longitude	70.86756W
f. Map/Plat #	29A	g.Parcel/Lot #	317A

2. Applicant:

☐ Individual ☑ Organization

a. First Name		b.Last Name			
c. Organization	FAIRHAVEN BPW				
d. Mailing Address	5 ARSENE STREET				
e. City/Town	FAIRHAVEN	f. State	MA	g. Zip Code	02719
h. Phone Number	508-979-4030	i. Fax		j. Email	vfurtado@fairhaven-ma.gov

3.Property Owner:

☐ more than one owner

a. First Name		b. Last Name			
c. Organization	FAIRHAVEN BPW				
d. Mailing Address	5 ARSENE STREET				
e. City/Town	FAIRHAVEN	f.State	MA	g. Zip Code	02719
h. Phone Number	508-979-4030	i. Fax		j.Email	vfurtado@fairhaven-ma.gov

4.Representative:

a. First Name	MICHAEL	b. Last Name	CARTER		
c. Organization	GCG ASSOCIATES, INC.				
d. Mailing Address	84 MAIN STREET				
e. City/Town	WILMINGTON	f. State	MA	g. Zip Code	01887
h.Phone Number	978-657-9714	i.Fax		j.Email	mike.carter@gcgassociates.net

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

a.Total Fee Paid	0.00	b.State Fee Paid	0.00	c.City/Town Fee Paid	0.00

6.General Project Description:

REMOVAL OF EXISTING GRAVEL BMX PARK, CONSTRUCTION OF BITUMINOUS ASPHALT BMX PARK, INSTALL 4 AREA DRAINS, 8" DRAINPIPES, RAIN GARDEN WITH SEDIMENT FOREBAY, AND ASSOCIATED GRADING.

7a.Project Type:

1. ☐ Single Family Home	2. ☐ Residential Subdivision
3. ☐ Limited Project Driveway Crossing	4. ☐ Commercial/Industrial
5. ☐ Dock/Pier	6. ☐ Utilities
7. ☐ Coastal Engineering Structure	8. ☐ Agriculture (eg., cranberries, forestry)
9. ☐ Transportation	10. ☑ Other

7b.Is any portion of the proposed activity eligible to be treated as a 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:
2. Limited Project

8.Property recorded at the Registry of Deeds for:

a.County:	b.Certificate:	c.Book:	d.Page:
SOUTHERN BRISTOL		1626	1124

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

1.Buffer Zone & Resource Area Impacts (temporary & permanent):

☐ This is a Buffer Zone only project - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.

2.Inland Resource Areas: (See 310 CMR 10.54 - 10.58, if not applicable, go to Section B.3. Coastal Resource Areas)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a.☐ Bank	1. linear feet	2. linear feet
b.☐ Bordering Vegetated Wetland	1. square feet	2. square feet
c.☐ Land under Waterbodies and Waterways	1. Square feet	2. square feet
	3. cubic yards dredged	
d.☐ Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e.☐ 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 any)

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)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. ☐ Designated Port Areas	Indicate size under	Land under the ocean below,
b. ☐ Land Under the Ocean	1. square feet 2. cubic yards dredged	
c. ☐ Barrier Beaches	Indicate size under Coastal Beaches and/or Coatstal Dunes, below	
d. ☐ Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. ☐ Coastal Dunes	1. square feet	2. cubic yards dune nourishment
f. ☐ Coastal Banks	1. linear feet	
g. ☐ Rocky Intertidal Shores	1. square feet	
h. ☐ Salt Marshes	1. square feet	2. sq ft restoration, rehab, crea.
i. ☐ Land Under Salt Ponds	1. square feet	
	2. cubic yards dredged	
j. ☐ Land Containing Shellfish	1. square feet	
k. ☐ 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	21307 1. square feet	

4.Restoration/Enhancement

☐ Restoration/Replacement

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 entered the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5.Projects Involves Stream Crossings

☐ Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

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 of Endangered Species program (NHESP)?

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:FROM MAP VIEWER

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

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

3.☐ Project plans for entire project site, including wetland resource areas and areas outside of wetland 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

c.☐ MESA filing fee (fee information available at: http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html)
Make check payable to "Natural Heritage & Endangered Species Fund" 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

d. 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/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14; 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 Number

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.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?
a. ☑ Not applicable - project is in inland resource area only
b. ☐ Yes ☐ No

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

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

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 S. Rodney French Blvd
New Bedford, MA 02744

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it 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.

3. 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 DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. 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

5. 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

6. 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, Explain why the project is exempt:
1. ☐ Single Family Home
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

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 by regular mail delivery.

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.
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.
☑

a. Plan Title:	b. Plan Prepared By:	c. Plan Signed/Stamped By:	c. Revised Final Date:	e. Scale:
TOWN OF FAIRHAVEN, MASSACHUSETTS, MACOMBER & PIMENTAL PARK, BMX PARK PROJECT	MICHAEL J. CARTER, P.E., P.L.S.		July 10, 2025	

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. Payer name on check: First Name	7. Payer name on check: Last Name

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.

VINCENT FURTADO, FAIRHAVEN BPW	7/10/2025
1. Signature of Applicant	2. Date
VINCENT FURTADO, FAIRHAVEN BPW	7/10/2025
3. Signature of Property Owner(if different)	4. Date
Michael Carter, P.E.	7/10/2025
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 Section C, Items 1-3, 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
WPA Form 3 - Notice of Wetland FeeTransmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1878304
City/Town:FAIRHAVEN

A. Applicant Information

1. Applicant:

a. First Name		b.Last Name			
c. Organization	FAIRHAVEN BPW				
d. Mailing Address	5 ARSENE STREET				
e. City/Town	FAIRHAVEN	f. State	MA	g. Zip Code	02719
h. Phone Number	5089794030	i. Fax		j. Email	vfurtado@fairhaven-ma.gov

2.Property Owner:(if different)

a. First Name		b. Last Name			
c. Organization	FAIRHAVEN BPW				
d. Mailing Address	5 ARSENE STREET				
e. City/Town	FAIRHAVEN	f.State	MA	g. Zip Code	02719
h. Phone Number	5089794030	i. Fax		j.Email	vfurtado@fairhaven-ma.gov

3. Project Location:

a. Street Address	7 BERNESE	b. City/Town	FAIRHAVEN

Are you exempted from Fee? ☐ (YOU HAVE SELECTED 'YES')

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than $100

B. Fees

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total

City/Town share of filling fee	State share of filing fee	Total Project Fee
$0.00	$0.00	$0.00

GCG ASSOCIATES
CIVIL ENGINEERING & LAND SURVEYING

84 Main Street
Wilmington, MA 01887
Phone: (978) 657-9714

July 10, 2025

Fairhaven Conservation Commission
Town Hall
40 Center Street
Fairhaven, MA 02719

RE: Macomber & Pimental BMX Park Project, 7 Bernese Street
Notice of Intent
Local Filing Fee Waiver Request

Dear Mr. Bruce Webb:

GCG Associates, Inc., on behalf of the Town of Fairhaven, Board of Public Works (BPW) hereby submitting a Notice of Intent for the Macomber & Pimental BMX Park Project. This is a Town of Fairhaven project and requesting waiver for the Wetlands Protection Bylaw filing fee.

If you have any questions, please do not hesitate to contact our office.

Respectfully Submitted,
GCG Associates

Michael J. Carter

Project Manager

TOWN OF FAIRHAVEN, MASSACHUSETTS

CONSERVATION COMMISSION

Town Hall · 40 Center Street · Fairhaven, MA 02719

APPLICATION CHECKLIST
NOTICE OF INTENT

Please submit the following to the Fairhaven Conservation Commission:

- ☑ A check for $75.00, advertising fee
- ☐ A check for the Town's share of the state Wetlands Protection Act Filing Fee (NOI fee transmittal form)
- ☐ A check for the Fairhaven Wetlands Bylaw fee (Waiver requested, Town of Fairhaven BPW project)
- ☑ **Two (2) collated packets (1 original, 1 copy)**, each containing the following:
  - ☑ Completely filled out and signed copy of the most recent WPA Form 3, available at https://www.mass.gov/how-to/wpa-form-3-wetlands-notice-of-intent
  - ☑ A detailed narrative describing the property, delineated resource area(s) and methods of delineation, proposed activity and/or work, including how the work will be done, location of storage materials, how the site will be accessed by equipment, etc., and any other information that will help the Commission understand your project.
  - ☑ Complete copies of project plans that include the following information:
    - Locus map – i.e. USGS Quad topographic map
    - Location of all known resource areas, including sequentially numbered flags
    - Date the delineation was completed
    - 50- and 100-foot buffer lines from resource areas
    - 200-foot Riverfront Area, if applicable
    - FEMA Flood Zone boundaries, if applicable
    - Location of existing structures and/or vegetation, including all trees 8" dbh or greater
    - Location of proposed structures and/or vegetation
    - Shortest distance from proposed disturbed areas to known resources
    - Topography in 2-ft contour intervals
    - Proposed grading and drainage
    - Erosion and sedimentation controls
  - ☑ An 11" x 17" set of project plans if they are larger
  - ☑ Abutters List (a list of property owners that are within **100 feet** of the property where the project is taking place, see Abutter List Request Form)
  - ☑ Notification to Abutters Form – filled out by applicant
  - ☑ Any other information that will help the Commission understand your project
- ☑ Proof of abutter notification by certified mail or hand delivery. *Failure to present proof will result in the Conservation Commission NOT hearing your application.*
- ☐ Proof that **a complete copy** of the above packet was sent to:

  MA Department of Environmental Protection
  Southeast Regional Office
  20 Riverside Drive
  Lakeville, MA 02347

  (eDEP filing only, no hard copy to MassDEP as directed by SERO.

- ☐ If applicable, proof that a complete copy of the above packet was sent to the MA Natural Heritage & Endangered Species Program and the MA Division of Marine Fisheries
- ☐ Submission of a complete copy of the NOI to the US EPA at NewBedfordHarbor@epa.gov if it is a shoreline project and falls within New Bedford Harbor north of the hurricane barrier
- ☑ An electronic copy of the entire application packet, thumb drive or emailed to conservation@fairhaven-ma.gov

Wetland WPA – Form 3 – Notice of Intent
Macomber & Pimental Park
BMX Park Project
7 Bernese Street – (Map 29A - Lot 317A), Fairhaven, Massachusetts

Date: July 10, 2025

Project Narrative:

Project Summary: The Macomber & Pimental Park project consists of the construction of a new Bituminous Asphalt BMX (Bicycle Moto Cross) park and removal of the existing Gravel BMX Park on the same property. This project calls for the installation of Bituminous Asphalt bike paths on gravel mounds. 4 18" square area drain catch basins are proposed to collect runoff water and direct it to the proposed rain garden with sediment forebay pre-treatment for treatments through 8" HDPE pipe. Erosion control has been called out along the Western and Southern sides of the work limit to protect the existing Wetland.

Existing Conditions: The project site is Macomber & Pimental Park located at 7 Bernese Street, (Assessor's Map 29A Lot 317A). The parcel consists of 4.93 Acres per Assessors Data Record. The Property is located along Bernese Street and Reservation Road. The Property consists of a gravel BMX park, a baseball field, and asphalt basketball court. The proposed BMX park is to the north of the basketball court and west of the baseball field. According to the United States Department of Agriculture Natural Resources Conservation Service Web Soil Survey, the proposed work limited is in soil 651 Udorthents, smoothed and 71B Ridgebury fine sandy loam, 3 to 8 percent slopes, extremely stoney.

Jurisdiction:
The western portion of the lot is in the Costal storm flowage and flooding Flood Hazard Zone VE (El. 16 +/-), Flood Hazard Zone AE (El. 14 +/-) and Flood Hazard Zone X associated with Buzzards Bay per FIRM map panel 25005C0501F, effective date 7/7/2009. The proposed BMX park is in Zone AE and Zone X and the existing gravel BMX park to be removed is in Zone VE and Zone AE. The Western portion of the lot is under the VE and AE flood elevation. The Eastern side of the proposed improvements is within the Zone X, Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; areas protected by levees from 1% annual chance flood per FIRM map. MassMapper/MassGIS NHESP layers show no known priority habitat of rare species nor estimated habitats of rare wildlife, and no potential or certified Vernal Pools in the vicinity. The Wetland near the proposed work area was delineated by Christopher J. Capone, on April 4, 2025, and field located by this office. The associated 100-foot Wetland Buffer is shown on the existing conditions plan.

Proposed Conditions:

This project proposed to remove approximately 650 S.Y. (square yard) of the existing Gravel BMX Park located within the 100-foot BVW buffer, Special Flood Hazard Area (SFHA) 'Zone AE, EL.=14', and Coastal Velocity 'Zone VE, EL.=16'. The excessive gravel material will be removed and disposed of off-site, the surface area will be restored with loam and seed to grass lawn. A new HMA (hot mix asphalt) BMX track/park is being proposed eastward to the open area between the existing paved basketball courts and the baseball/softball field. The new park is being proposed outside the VE velocity zone and partially in the 100-foot wetland buffer, the southerly BMX track's gravel edges are approximately 80 feet setback from the wetland boundary (WF-A7 to WF-A8). However, the new BMX court remains in the SFHA Zone AE.

The paved BMX tracks will create approximately 5,012+/- s.f. (square foot) of an impervious surface, where it would be surrounded by depressed lawn areas. Four (4) - 18" square area drains have been proposed to collect the paved tracks surface runoff and discharge through an 8" diameter drainpipe, which discharges to a 1,480 S.F. bioretention area/rain garden for treatments. The lawn surface surrounding the area drain will function as a vegetated filter strip to reduce the runoff velocity and collect sediment. The runoff will be discharged to a sediment forebay for secondary pre-treatment and spillover onto the rain

garden. Both sediment forebay and rain garden were laid out with 4 horizontal to 1 vertical side slope to comply with Chapter 198-31.1.C.2.g.6 requirements. The sediment forebay was sized to capture approximately 7,000+/- s.f. (BMX tracks & half of the existing Basket Ball courts runoff) of impervious surface runoff, the forebay volume was sized to retain the 0.25" per impervious acre of contributing drainage, as required under 198-31.1.C.2.k.1.b (0.25" x impervious area volume = 147 c.f. required, 157 c.f. forebay storage volume provided.) The Bioretention Area (also known as "Rain Garden" in residential application) was sized based on the Massachusetts Stormwater Handbook (MSH) requirements. The proposed rain garden surface area consists of approximately 1,480+/- s.f., is equal to approximately 13.4% of the inflow watershed (11,000± s.f.) area. (MSH requires bioretention area be sized between 5% to 7% of the inflow watershed area). The oversized rain garden area was sized to provide the storage volume to capture the "First Flush" runoff volume (1.25" x impervious area) as required under 198-31.1.A.1.b. – Water Quality. (First Flush volume 733 c.f. required, rain garden static storage volume 741 c.f. provided.)

198-31.1.1.B.1.a. – the new BMX park impervious area (5,000+/-) s.f. is considered as new development. The regulation requires new development to provide 90% TSS removal and 60% of TP generated from the total post-development construction impervious surface area on the site. The proposed static storage volume on top of the rain garden retains the "First Flush - 1.25"" of the runoff generated from approximately 7,000 s.f. of impervious inflow area. Which exceeded 5,012 s.f. impervious surface generated from the BMX tracks. The volume was pre-treated by the sediment forebay and through the bioretention area/rain garden BMP for final treatment. Based on the EPA – Region 1's BMP Performance Curve: Bioretention, for Land Use: Commercial chart, the system would achieve approximately 99±% of TSS and 80±% of TP removal. (See Stormwater Management Improvements calculations and EPA – Region 1, Performance chart shown on Plan Set sheet 5 of 7).

This project is in the Special Flood Hazard Area (SFHA) 'Zone AE, EL.=14'. The proposed BMX Park grading was laid out with the northwesterly (lower) park corner to match Bernese Street's shoulder grade at contour 10, to create a net cut volume within the Zone AE. A series of 'Cut and Fill Analysis' table are shown on the Site Plan sheet 5 of 7. Three individual tables were performed for analysis of the existing gravel BMX park removal, the new proposed BMX park, and the associated rain garden construction. The four (bottom) table summarizes the net cut and fill volume generated from the works. This project will create a substantial cut volume at each 1-foot stage from elevation 8 to 14 in the flood zone as shown on the net summary table. Which is an improvement to the flood storage.

The project is intended to meet the stormwater management requirements to the maximum extent practicable as required by 310 CMR: 10.05(6)(m)(6) – Footpaths, bikepaths and other paths for pedestrian and/or nonmotorized vehicle access. GCG believes the proposed drainage improvements have met the stormwater management standards and the local requirements to the full extent.

Stormwater Management Requirements.

Standard #1 - no new outfall untreated. This project does not create any untreated new outfall.

Standards #2 – no increase of peak runoff, (maximum extent practicable). This project will retain the 1.25" "First Flush" volume on top of the bioretention area/rain garden for exfiltration. The project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flood. This project has proposed a net cut volume of 13,490± c.f. in the flood zone, downstream of the proposed BMX park. Which mitigates any runoff generated from this project. Furthermore, the site is at the downstream of the watershed and the surface runoff would discharge onto the ocean prior to the watershed peak runoff occur. Hence, this project would not create any adverse impacts to the drainage system.

Standard #3 – Groundwater Recharge, (maximum extent practicable for 310 CMR:10.05(6)(m)(6) project). The proposed bioretention cell provided 1.25" 'First Flush' storage volume (static storage volume) above the bioretention area. (No storage volume credit taken from the engineered soil media void). Therefore, this project meets Standard #3 requirements of 0.6" (HSG 'A') groundwater recharge volume.

Standard #4 – TSS removal – the proposed bioretention area/rain garden with sediment forebay pretreatment provided 90% TSS removal credit and meeting the Standard #4 requirements.

Standard #5 – LUHPPL. Not applicable.

Standard #6 - The project is not located in the Zone II – Wellhead Protection Area.

Standard #7 – This project requires meeting the stormwater management standards to the maximum extent practicable as stated in 310 CMR 10.05(6)(m)(6). The new development portion of this project meet the stormwater management requirements to the full extent.

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 that the Town (BPW) does not just maintain any specific project site(s) but maintains the entire Town according to the MS4 permit requirements.

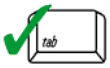
Standard #10 – No Illicit discharge – a Statement is included in the NOI package, (copy attached).

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

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.[1] 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[2]
- 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.

[1] 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.

[2] 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.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

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, P.E., P.L.S. 07/10/2025

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

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)

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[1]

☒ 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.

[1] 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.

Checklist for Stormwater Report

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

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.

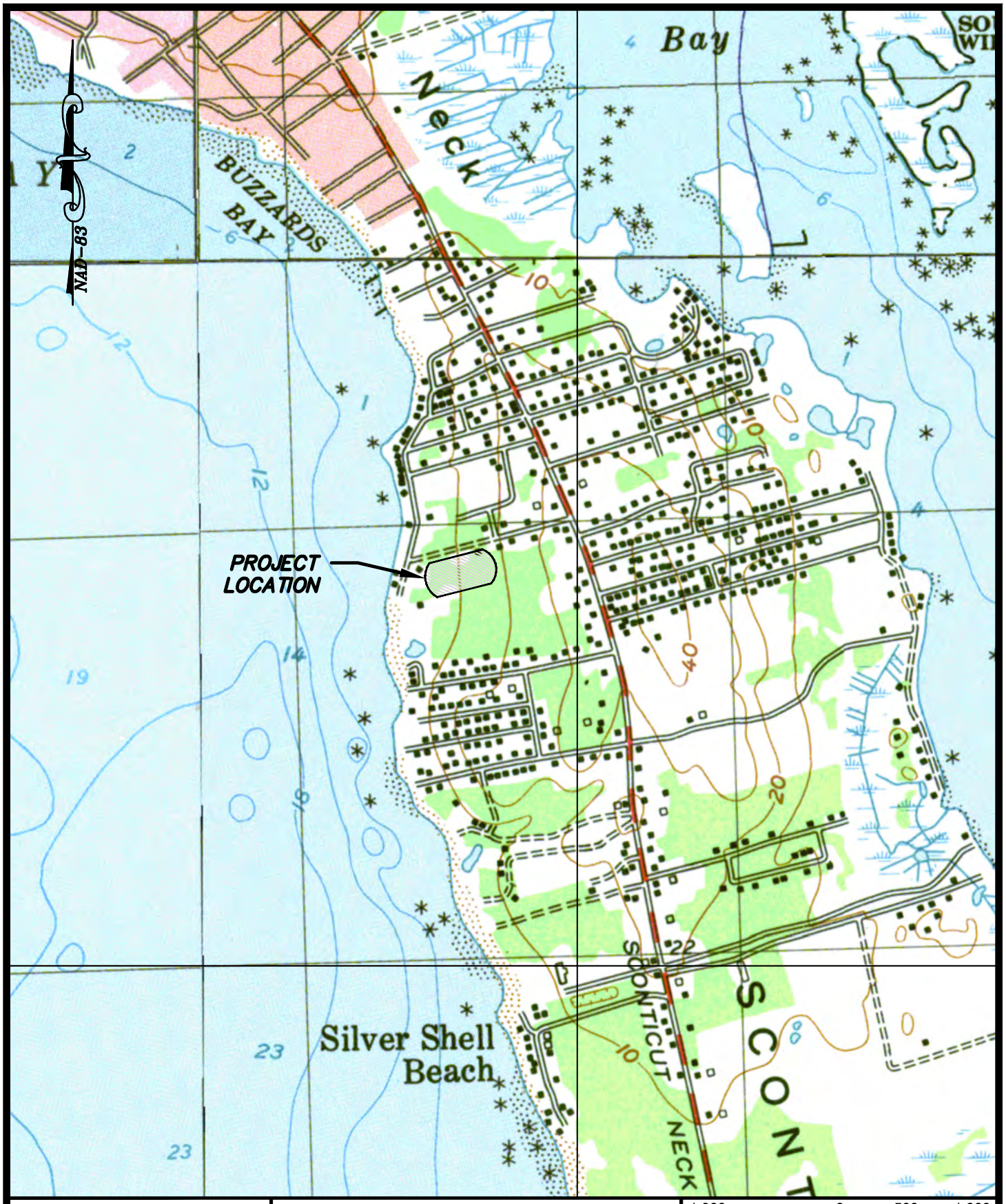
Standard 10: Prohibition of Illicit Discharges

☒ 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.

APPENDIX A:
Project Maps



GCG ASSOCIATES, INC. 84 MAIN STREET WILMINGTON, MASSACHUSETTS (978) 657-9714	**USGS LOCUS MAP** **MACOMBER & PIMENTAL PARK** **FAIRHAVEN, MASSACHUSETTS** Plan Ref.	1,000 0 500 1,000 Scale: **1" = 1,000'** SCALE IN FEET Date: **6/18/2025** Rev:
		1 OF 1

C:\Users\LucasBrinkman\GCG Associates Dropbox\Company\Land Projects\2266\Bid Set.dwg Saved 5/29/2025 4:05 PM Plotted: Jun 03, 2025 10:57:59am Tab: usgs locus Plot Style: GCG-2018.ctb Plotted By: Lucas Brinkman

National Flood Hazard Layer FIRMette

FEMA

70°52'20"W 41°37'27"N

70°51'43"W 41°37'N

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

1:6,000

Basemap Imagery Source: USGS National Map 2023

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
- 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
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

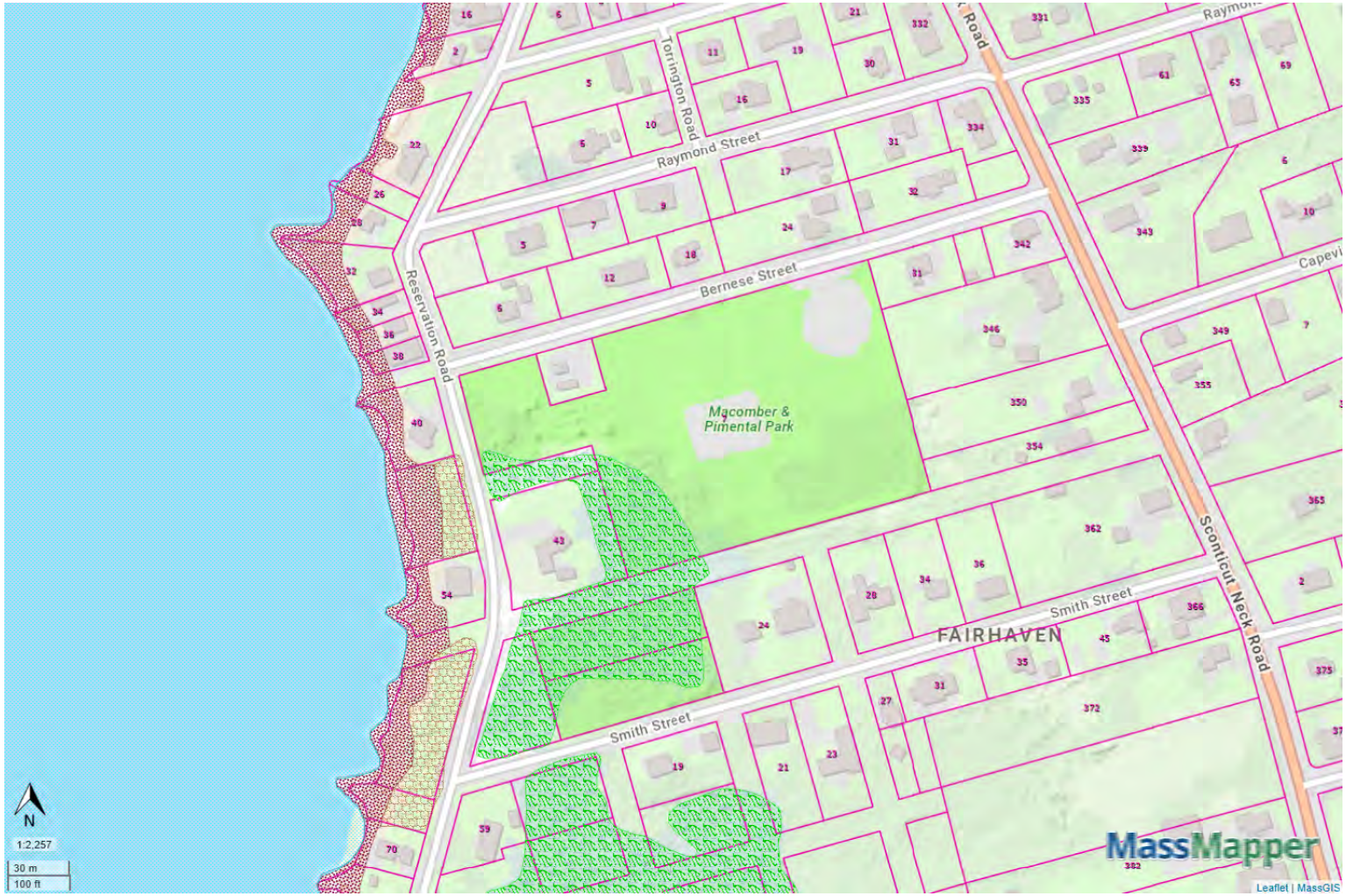
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 6/19/2025 at 7:44 PM 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.

Macomber & Pimental Park



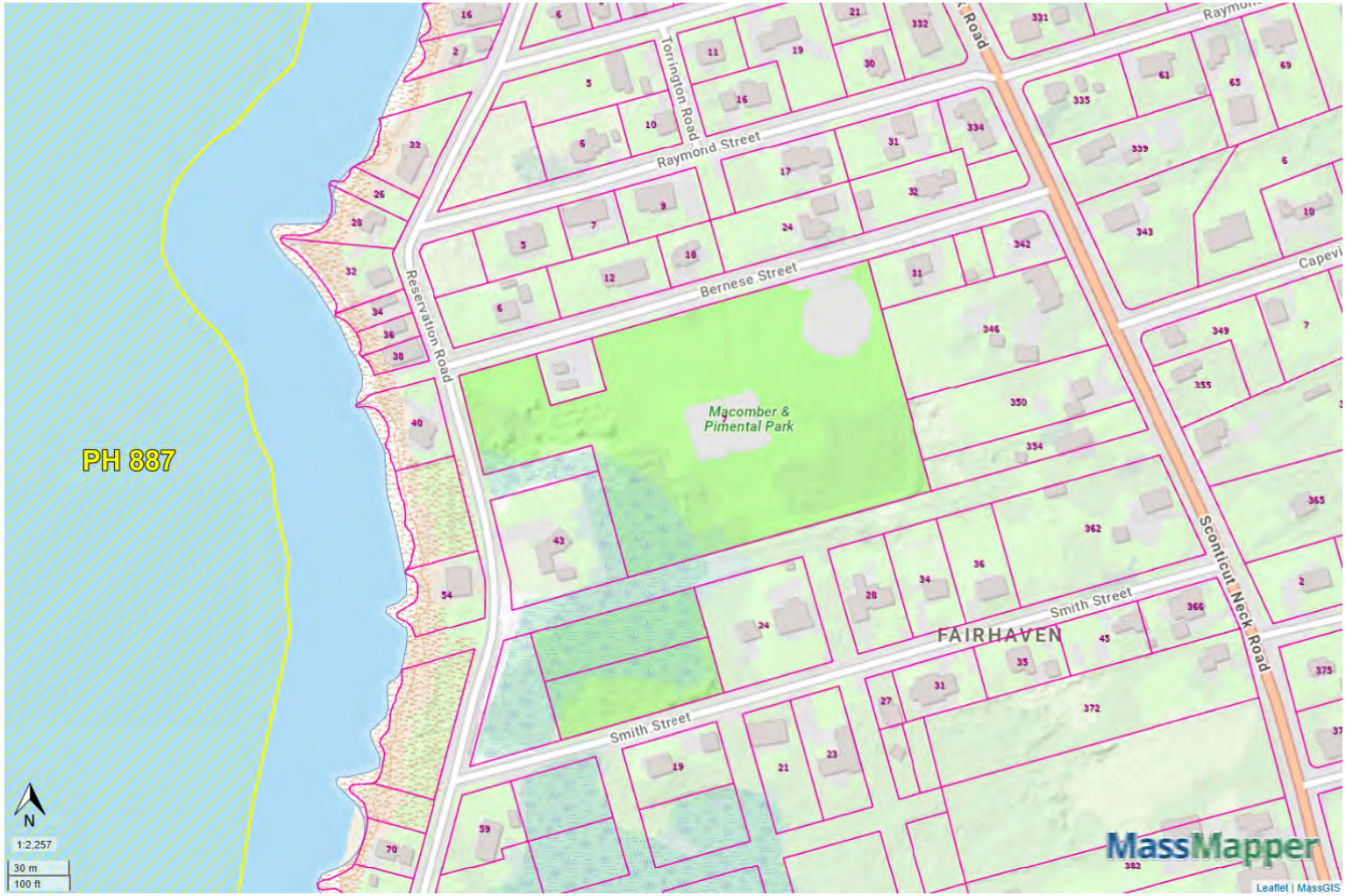
Zone IIs

DEP Wetlands Detailed With Outlines

- Barrier Beach System
- Barrier Beach-Deep Marsh
- Barrier Beach-Wooded Swamp Mixed Trees
- Barrier Beach-Coastal Beach
- Barrier Beach-Coastal Dune
- Barrier Beach-Marsh
- Barrier Beach-Salt Marsh
- Barrier Beach-Shrub Swamp
- Barrier Beach-Wooded Swamp Coniferous
- Barrier Beach-Wooded Swamp Deciduous
- Bog
- Coastal Bank Bluff or Sea Cliff
- Coastal Beach
- Coastal Dune
- Cranberry Bog
- Deep Marsh
- Barrier Beach-Open Water
- Open Water
- Rocky Intertidal Shore
- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Tidal Flat
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

Property Tax Parcels

Macomber & Pimental Park



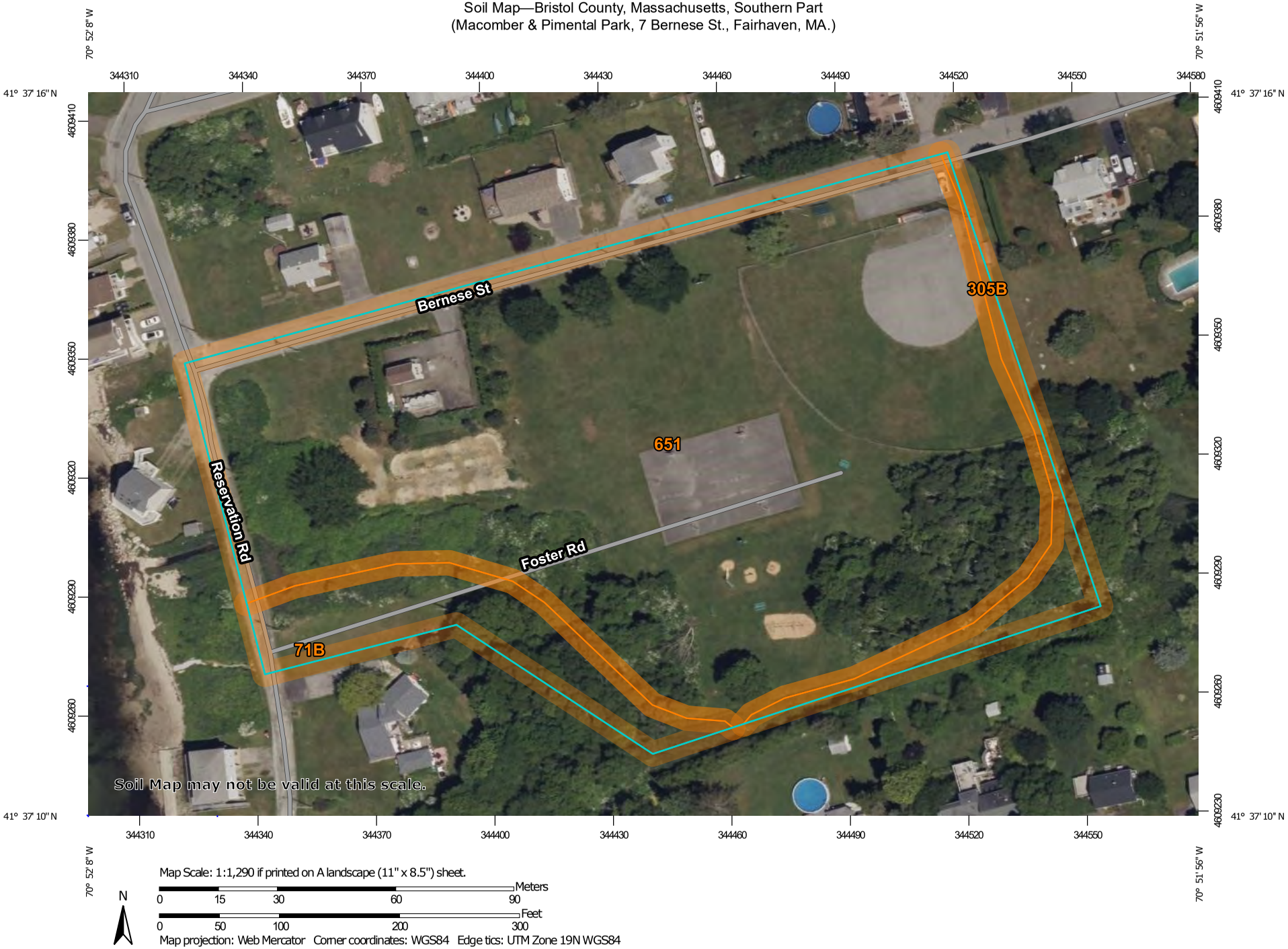
NHESP Priority Habitats of Rare Species

NHESP Estimated Habitats of Rare Wildlife

Property Tax Parcels

APPENDIX B:
Soil Map & Hydrologic Soil Group (HSG) Classification

Soil Map—Bristol County, Massachusetts, Southern Part
(Macomber & Pimental Park, 7 Bernese St., Fairhaven, MA.)



Map Scale: 1:1,290 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 15 30 60 90

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

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 18, Aug 27, 2024

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

Date(s) aerial images were photographed: Jun 10, 2022—Jun 30, 2022

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
71B	Ridgebury fine sandy loam, 3 to 8 percent slopes, extremely stony	0.5	8.7%
305B	Paxton fine sandy loam, 3 to 8 percent slopes	0.2	3.9%
651	Udorthents, smoothed	4.9	87.4%
Totals for Area of Interest		**5.6**	**100.0%**

Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named, soils that are similar to the named components, and some minor components that differ in use and management from the major soils.

Most of the soils similar to the major components have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Some minor components, however, have properties and behavior characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description

Bristol County, Massachusetts, Southern Part

71B—Ridgebury fine sandy loam, 3 to 8 percent slopes, extremely stony

Map Unit Setting

National map unit symbol: 2w69c

Elevation: 0 to 1,290 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Ridgebury, extremely stony, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ridgebury, Extremely Stony

Setting

Landform: Drumlins, depressions, ground moraines, hills, drainageways
Landform position (two-dimensional): Footslope, toeslope
Landform position (three-dimensional): Head slope, base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Coarse-loamy lodgment till derived from gneiss, granite, and/or schist

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material
A - 1 to 6 inches: fine sandy loam
Bw - 6 to 10 inches: sandy loam
Bg - 10 to 19 inches: gravelly sandy loam
Cd - 19 to 66 inches: gravelly sandy loam

Properties and qualities

Slope: 3 to 8 percent
Surface area covered with cobbles, stones or boulders: 9.0 percent
Depth to restrictive feature: 15 to 35 inches to densic material
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: F144AY009CT - Wet Till Depressions
Hydric soil rating: Yes

Minor Components

Woodbridge, extremely stony
Percent of map unit: 10 percent
Landform: Ground moraines, hills, drumlins
Landform position (two-dimensional): Summit, backslope, footslope
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Whitman, extremely stony
Percent of map unit: 8 percent
Landform: Depressions
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Paxton, extremely stony
Percent of map unit: 2 percent
Landform: Ground moraines, hills, drumlins
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Hydric soil rating: No

305B—Paxton fine sandy loam, 3 to 8 percent slopes

Map Unit Setting
National map unit symbol: 2t2qp
Elevation: 0 to 1,570 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: All areas are prime farmland

Map Unit Composition
Paxton and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Paxton

Setting
Landform: Ground moraines, drumlins, hills
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Nose slope, side slope, crest
Down-slope shape: Convex, linear
Across-slope shape: Convex

Parent material: Coarse-loamy lodgment till derived from gneiss, granite, and/or schist

Typical profile

Ap - 0 to 8 inches: fine sandy loam
Bw1 - 8 to 15 inches: fine sandy loam
Bw2 - 15 to 26 inches: fine sandy loam
Cd - 26 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 18 to 39 inches to densic material
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: About 18 to 37 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: C
Ecological site: F144AY007CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Minor Components

Woodbridge

Percent of map unit: 9 percent
Landform: Ground moraines, drumlins, hills
Landform position (two-dimensional): Summit, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Ridgebury

Percent of map unit: 6 percent
Landform: Depressions, ground moraines, hills, drainageways
Landform position (two-dimensional): Toeslope, backslope, footslope
Landform position (three-dimensional): Base slope, head slope, dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Charlton

Percent of map unit: 5 percent
Landform: Hills
Down-slope shape: Linear

Across-slope shape: Linear
Hydric soil rating: No

651—Udorthents, smoothed

Map Unit Setting

National map unit symbol: v5rw
Elevation: 0 to 3,000 feet
Mean annual precipitation: 45 to 54 inches
Mean annual air temperature: 43 to 54 degrees F
Frost-free period: 145 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Udorthents, smoothed, and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Udorthents, Smoothed

Setting

Parent material: Made land over loose sandy and gravelly glaciofluvial deposits and/or firm coarse-loamy basal till derived from granite and gneiss

Typical profile

H1 - 0 to 6 inches: variable
H2 - 6 to 60 inches: variable

Properties and qualities

Slope: 0 to 15 percent
Depth to restrictive feature: More than 80 inches
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to very high (0.06 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Hydric soil rating: Unranked

Data Source Information

Soil Survey Area: Bristol County, Massachusetts, Southern Part
Survey Area Data: Version 18, Aug 27, 2024

Hydrologic Soil Group—Bristol County, Massachusetts, Southern Part
(Macomber & Pimental Park, 7 Bernese St., Fairhaven, MA.)

Map Scale: 1:1,290 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 15 30 60 90

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

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

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

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

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 18, Aug 27, 2024

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

Date(s) aerial images were photographed: Jun 10, 2022—Jun 30, 2022

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
71B	Ridgebury fine sandy loam, 3 to 8 percent slopes, extremely stony	D	0.5	8.7%
305B	Paxton fine sandy loam, 3 to 8 percent slopes	C	0.2	3.9%
651	Udorthents, smoothed	A	4.9	87.4%
Totals for Area of Interest			**5.6**	**100.0%**

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

APPENDIX C:
Stormwater Standards

STORMWATER AND DRAINAGE
OPERATION AND MAINTENANCE PLAN

Name of Project: Macomber & Pimental Park BMX Park project

Location: 7 Bernese Street, Fairhaven, Massachusetts

Name of Owner/Operator: Fairhaven BPW, 5 Arsene Street, Fairhaven, MA 02719

Owner/Operator Signature: _____, Date _____

I. INTRODUCTION

The maintenance program below provides for a general plan with specific requirements for stormwater management controls for **Macomber & Pimental Park, BMX Park, 7 BerneseStreet, Fairhaven, MA.** The program is based on the recommended standards presented in the DEP Stormwater Management Policy Handbook Volume 2, Chapter 2 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 property owner is the owner of all components of the drainage system as listed in Section III below, The implementation, execution, and financing of this maintenance program and emergency repairs shall be the responsibility of the property owner.

III. GENERAL REQUIREMENTS

Construction activities shall conform to the approved site plans and any other regulations or requirements of the Town of Fairhaven. Mulch filter tubes, silt fence and construction entrance shall be installed at the limit of work prior to construction. All sediment controls shall be in place before construction shall begin and shall be properly maintained throughout the course of construction. During construction, silt laden runoff shall not be permitted to enter the nearby wetlands or abutting properties.

All BMPs and sediment controls shall be inspected, by the Applicant and/or assignee during construction, on a weekly basis and within 24 hours of a rain event that generates more than ½" of rain in a 24 hour period. Once construction is complete, it shall be operated and maintained in accordance with the Long Term Operation & Maintenance Plan.

Should any dewatering activities be required, the Applicant shall make certain that all pumped water is free of sediment prior to discharging to the nearby wetlands. The methods for removing any sediment shall be approved by the Town prior to any dewatering activities commence.

IV. BMP MAINTENANCE

Maintenance of Facilities: The Owner agrees to comply with a minimum maintenance schedule as follows:

A. Street Sweeping: Street sweeping roadways and pavement areas as necessary during construction.

B. Install sediment control silt sacks to all catch basins (existing and proposed) during construction.

C. Inspect erosion control weekly and repair eroded areas during inspection. Re-mulch or re-vegetate void areas as needed. Remove litter and debris weekly.

D. Grassed Area: Maintain vegetation; mow or cut back if impedes water movement or grass health. Inspect eroded areas repair and reseed as needed.

V. GENERAL

Dispose of the collected grit, sediment and debris in accordance with current Town/City State and Federal guidelines and regulations.

Long Term Operation and Maintenance

A. Street Sweeping: Street sweeping roadways and pavement areas at a minimum of twice per year, early spring and late fall.

B. Catch Basin with Sump – Inspect and clean grate and sump four times per year and/or per Fairhaven DPW town wide O&M schedule standards under MS4 permit requirements.

C. Rain Garden/Bioretention Basin - Rain Garden/Bioretention Basin: Inspect and remove trash monthly, mow 2 to 12 times per year, Mulch, Fertilize, remove dead vegetation and Prune annually. Remove debris and sediment from stone diaphragm, replace pea stone as needed.

Inspect soil and repair eroded areas monthly. Re-mulch void areas as needed. Remove litter and debris monthly. Treat diseased vegetation as needed. Remove and replace dead vegetation twice per year (spring and fall). Replace mulch every two years, in the early spring. Upon failure, excavate bioretention area, scarify bottom and sides, replace filter fabric and soil, replant, and mulch.

Snow storage is prohibited in the rain garden and forebay areas. Excessive snow should be removed off-site by the owner.

D. Grassed Area - Maintain vegetation; mow or cut back if impedes water movement or grass health. Inspect eroded areas repair and reseed as needed. Remove sediment from the toe of slope and reseed bare spots.

GENERAL

Dispose of the collected grit, sediment and debris in accordance with current Town/City State and Federal guidelines and regulations.

The BMX Park site is a town park and maintained by the Town of Fairhaven, Board of Public Works, (BPW). The BPW operates and maintains the entire Town and all public facilities under the NPDES MS4 permit. This site will be operated and maintained per O&M plan and/or adhered to the town wide MS4 permit.

Operation and Maintenance Budget

Inspection: $300 per year

Mowing: $400 per year

Bioretention Area maintenance: $500 per year

Cleaning and remove sediment: $300 per year

Total annual budget = $1,500

Sample Stormwater System Inspection Log/Checklist

INSPECTOR'S NAME &

DATE: NAME & ADDRESS

OF FACILITY:

GENERAL OBSERVATIONS (IS WATER

	Checked? (Y/N)	Maintenance Needed? (Y/N)	Maintenance Completed/ Observations & Remarks
Street Sweeping			
Street Sweeping			
Catch Basins			
CB			
CB			
CB			
CB			
Bioretention Basin/Rain Garden			
Bioretention Basin/Rain Garden			
Grassed Area			
Grassed Area			

Attach pictures, summary, sketches, and notes as appropriate.

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

I. STATEMENT

This site as shown on the plan titled “Macomber & Pimental BMX Park, Town of Fairhaven”, prepared by GCG Associates, Inc. and dated July 10, 2025, 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.

APPENDIX D:
Project Abutter Information

Town of Fairhaven
Massachusetts
BOARD OF ASSESSORS
40 Center Street
Fairhaven, MA 02719

Ronnie Manzone, Chair
Pamela K. Davis, MAA, Member
Daniel Lane, Member

Joanne Correia, Principal Assessor
Phone: (508) 979-4023, x-8111
Facsimile: (508) 979-4079
Email: jcorreia@fairhaven-ma.gov

RECEIVED
BOARD OF ASSESSORS
MAR 20 2025
FAIRHAVEN, MA

ABUTTERS LIST REQUEST FORM

A $25.00 Fee per request is required for preparation of the list. Payment is due at the time of submission of this form. Please allow 10 days from the submission of the form for the Assessors' office to complete the processing of your request. In conformance with MGL c40A §11, this information is needed so that an official abutters list as required, is used in notifying the abutters.

Date of Request: 3 / 17 / 2025

Assessors Parcel ID: ~~MAP 29A LOT 317A~~ 29A-317

Property Address: 7 Bernese Street

Distance Required from ~~Parcel #~~ listed above (Circle One): 500 300 (100)
(Note: if a distance is not circled, we cannot process your request)

Property Owner: Fairhaven BPW

Property Owner's Mailing Address: 5 Arsene Street

Town/City: Fairhaven State: MA Zip: 02719

Property Owner's Telephone # 508 - 979 - 4030

Requestor's Name (if different from Owner) GCG Associates, Inc.

Requestor's Address: 84 Main Street, Wilmington MA 01887

Requestor's Telephone # 978 - 657 - 9714

Requestor's Email: lbrinkman@gcgassociates.net

Office Use Only: Date Fee Paid 3/20/25 Paid in Cash $_____

Paid by Check $ 25.00 Check # 168 Town Receipt # _____

BEAULIEU CLEMENT R
BEAULIEU JOANN M
346 SCONTICUT NECK ROAD
FAIRHAVEN, MA 02719

BOWERS FAMILY TRUST
1481 PHILLIPS RD UNIT 1305
NEW BEDFORD, MA 02745

CAETANO NATALIE
43 RESERVATION RD.
FAIRHAVEN, MA 02719

COSTA JOSEPH
6 BERNESE STREET
FAIRHAVEN, MA 02719

DEPINA JONATHAN &
HALTER MARILYN
40 RESERVATION ROAD
FAIRHAVEN, MA 02719

FAIRHAVEN LAND PRESERVATI
P O BOX 491
FAIRHAVEN, MA 02719

FAIRHAVEN TOWN OF
40 CENTER STREET
FAIRHAVEN, MA 02719

FITZGERALD SARAH N
36 SMITH STREET
FAIRHAVEN, MA 02719

GAUDREAU ALBERT J JR & BE
24 SMITH STREET
FAIRHAVEN, MA 02719

GRAMMER ERIC
GRAMMER VANECITA
350 SCONTICUT NECK RD
FAIRHAVEN, MA 02719

HERGENHAN LAURA E TTE
LAURA E HERGENHAN 2016 IR
362 SCONTICUT NECK RD
FAIRHAVEN, MA 02719

LOPES DANIEL S & CRISTINA
12 BERNESE STREET
FAIRHAVEN, MA 02719

MIKITARIAN MICHAEL G TTE
MIKITARIAN NOMINEE TR
38 RESERVATION RD.
FAIRHAVEN, MA 02719

MONIZ CHERYL I & MONIZ KE
& MONIZ BRETT W
28 SMITH STREET
FAIRHAVEN, MA 02719

SHERMAN CAROL A
36 RESERVATION RD
FAIRHAVEN, MA 02719

SILVEIRA MICHAEL SR
SILVEIRA THERESA
8883 BLOOMFIELD BLVD
SARASOTA, FL 34238

SNPRAP LLC
2 LAURA LANE
MATTAPOISETT, MA 02739

SURPRENANT JAMES D & KARE
31 BERNESE STREET
FAIRHAVEN, MA 02719

TIMOTHY J COSTA TRUSTEE
354 SCONTICUT NECK RD FAM
354 SCONTICUT NECK ROAD
FAIRHAVEN, MA 02719

WILLIAMS JASON J &
SILVIA JENNIFER L
24 BERNESE ST
FAIRHAVEN, MA 02719

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 or hand delivery to all abutters within 100 feet of the property where the project is located)

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 Vincent Furtado, Fairhaven BPW

2. The applicant has filed the following 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:
   7 Bernese Street Macomber & Pimental Park BMX Park, Fairhaven, MA.

4. The proposed work includes
   ~~Removal of existing gravel BMX park, construction of new bituminous asphalt BMX park, install 4 area drains and connecting 8" drainpipe to a rain garden with sediment forebay for treatments, and associated grading at the Macomber & Pimental Park at 7 Bernese Street in Fairhaven.~~

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. 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.

APPENDIX E:
Wetland Delineation Report

Christopher J. Capone
49 Doherty Avenue
Somerset, MA 02726

Wetland Delineation Report

April 12, 2025

GCG Associates
Macomber/Pimental Park
Bernese Street
Fairhaven, MA

Wetland Delineation Report

Bernese Street

Table of Contents

Figures

WETLANDS DELINEATION REPORT

1.0 SITE DESCRIPTION

The project location is Bernese Street at the Town of Fairhaven's Macomber & Pimental Park. (See figure 1) On April 4, 2025, the presence of wetland resource areas were investigated along the south and rear portions of the park. The investigation determined the presence of a bordering vegetated wetland within 100' of the existing park. The wetland resource areas were identified and flagged in the field using pink flagging. Further description of the resource areas are presented in following sections of this report.

2.0 DELINEATION OF RESOURCE AREAS

2.1 Site Methodology

The wetland scientist, trained in the ACOE Wetland Delineation Manual and 2022 MADEP guidance document entitled, Delineation of Bordering Vegetated Wetlands (2nd Edition), observed the following protected resource area at the site:

- Bordering Vegetated Wetland (BVW)

A wetland delineation was conducted in accordance with the Massachusetts Wetland Protection Act Regulations (310 CMR 10.55 (2) (c) and the Town of Fairhaven Wetlands Bylaw. The BVW methodology included the characterization of vegetation, soil, and hydrologic conditions in both wetland and upland areas to identify the transitional area, which was used as the wetland limit. Pink flags with distinct flag numbers were placed in the field to mark the limit of the BVW resource area.

2.2 Bordering Vegetated Wetland

The BVW was delineated at the site with an A flag series. (See figure 2) The limit was determined by locating the transitional area between wetland and upland vegetation, soils, and hydrologic conditions. Wetland flag series were placed as follows:

- WF A1- A42

Dominant vegetation within the wetland resource area included Spicebush (Lindera benzoin), Red Maple (Acer rubrum), Black berried Elder (Sambucus canadensis), and Bebb Willow (Salix bebbiana). Other indicators of wetland hydrology included surface water, high water table, and saturation.

2.3 Other Protected Areas

Environmental resource mapping was reviewed for the project location and determined that no other protected areas were present within the site. (See figure 3)

If you have questions or concerns please contact me at paulcapone@live.com or (508)642-3040.

Sincerely,

Christopher J. Capone
Christopher J. Capone

FIGURE 1

Locus Map Bernese Street

Prop

FIGURE 2

Bernese St
Reservation Rd
Macomber Pimental Park
WFA1
WF A47
90.11 ft
83.9°
1081.56 ft
743.96 ft
96.09 ft
167°
165.44 ft
74.1°
255.8°
72.7°
76.2 ft
47.8 ft
335.6°
55.63 ft
50.68 ft
249.7°
6.5°

FIGURE 3

Other Resource Areas

NHESP Priority Habitats of Rare Species

NHESP Estimated Habitats of Rare Wildlife

Property Tax Parcels

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: Macomber-Pimental Park City/Town: Fairhaven Sampling Date: 4/04/25

Applicant/Owner: Town of Fairhaven MA Sampling Point or Zone: A14

Investigator(s): Christopher Capone Latitude / Longitude:

Soil Map Unit Name: NWI or DEP Classification:

Are climatic/hydrologic conditions on the site typical for this time of year? Yes [ ] No [ ] (If no, explain in Remarks)

Are Vegetation [ ], Soil [ ] , or Hydrology [ ] significantly disturbed? (If yes, explain in Remarks)

Are Vegetation [ ], Soil [ ] , or Hydrology [ ] naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.

Wetland vegetation criterion met?	Yes [✓] No [ ]	**Is the Sampled Area within a Wetland?** Yes [✓] No [ ]
Hydric Soils criterion met?	Yes [ ] No [ ]	
Wetlands hydrology present?	Yes [✓] No [ ]	

Remarks, Photo Details, Flagging, etc.:

Wetland Flagging A1-A47 was placed along the Bordering Vegetated Wetland that exists within the wooded areas bordering the existing playground/park.

HYDROLOGY

Field Observations:			
Surface Water Present?	Yes [✓]	No [ ]	Depth (inches)_____
Water Table Present?	Yes [✓]	No [ ]	Depth (inches)_____
Saturation Present (including capillary fringe)?	Yes [ ]	No [ ]	Depth (inches)_____

Wetland Hydrology Indicators

Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water
[✓] Water-stained leaves	[ ] Hydrological records	[✓] Direct observation of inundation
[ ] Evidence of aquatic fauna	[ ] Free water in a soil test hole	[ ] Drainage patterns
[ ] Iron deposits	[✓] Saturated soil	[ ] Drift lines
[ ] Algal mats or crusts	[ ] Water marks	[ ] Scoured areas
[ ] Oxidized rhizospheres/pore linings	[ ] Moss trim lines	[ ] Sediment deposits
[ ] Thin muck surfaces	[ ] Presence of reduced iron	[ ] Surface soil cracks
[ ] Plants with air-filled tissue (aerenchyma)	[ ] Woody plants with adventitious roots	[ ] Sparsely vegetated concave surface
[ ] Plants with polymorphic leaves	[✓] Trees with shallow root systems	[ ] Microtopographic relief
[ ] Plants with floating leaves	[ ] Woody plants with enlarged lenticels	[ ] Geographic position (depression, toe of slope, fringing lowland
[ ] Hydrogen sulfide odor		

Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):

Significant standing water

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

Form Revised July 2023

VEGETATION – Use both common and scientific names of plants.

Tree Stratum Plot size _____

Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
1. Red Maple	Acer rubrum	FAC	10.5	Yes	Yes
2. Bebb Willow	Salix bebbiana	FACW	10.5	Yes	Yes
3. Red Cedar	Juniperus virginiana	FACU	3.0	No	No
4.					
5.					
6.					
7.					
8.					
9.					

24.0 = Total Cover

Shrub/Sapling Stratum Plot size _____

Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
1. Bebb Willow	Salix bebbiana	FACW	20.5	Yes	Yes
2. European Privet	Lingustrum spp.	FACU	20.5	Yes	No
3.					
4.					
5.					
6.					
7.					
8.					
9.					

41.0 = Total Cover

Herb Stratum Plot size _____

Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
1. Sensitive Fern		OBL	3.0	Yes	Yes
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					

3.0 = Total Cover

VEGETATION – continued.

Woody Vine Stratum	Plot size				
Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indictor? (yes/no)
1. Grape	Viti spp.	FACU	3.0	Yes	No
2. Oreintal Bittersweet	Celastrus orbiculatus	FACU	3.0	Yes	No
3.					
4.					
		6.0 = Total Cover			

Rapid Test: Do all dominant species have an indicator status of OBL or FACW?				Yes ☐ No ☑
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants		Do wetland indicator plants make up ≥ 50% of dominant plant species? Yes ☑ No ☐
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result
	OBL species		X 1	= 0.00
	FACW species		X 2	= 0.00
	FAC species		X 3	= 0.00
	FACU species		X 4	= 0.00
	UPL species		X 5	= 0.00
	Column Totals	(A) 0		(B) 0
Prevalence Index		B/A = 0.00		Is the Prevalence Index ≤ 3.0? Yes ☑ No ☐
Wetland vegetation criterion met?		**Yes** ☑ **No** ☐		

Definitions of Vegetation Strata

Tree - Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height

Shrub / Sapling - Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall

Herb - All herbaceous (non-woody plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall

Woody vines - All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

Sampling Point A14

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type[1]	Location[2]		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains [2]Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators (Check all that apply)		**Indicators for Problematic Hydric Soils**
☐ Histosol (A1)	☐ Polyvalue Below Surface (S8)	☐ 2 cm Muck (A10)
☐ Histic Epipedon (A2)	☐ Thin Dark Surface (S9)	☐ 5 cm Mucky Peat or Peat (S3)
☐ Black Histic (A3)	☐ Loamy Gleyed Matrix (F2)	☐ Iron-Manganese Masses (F12)
☐ Hydrogen Sulfide (A4)	☐ Depleted Matrix (F3)	☐ Mesic Spodic (A17)
☐ Stratified Layers (A5)	☐ Redox Dark Surface (F6)	☐ Red Parent Material (F21)
☐ Depleted Below Dark Surface (A11)	☐ Depleted Dark Surface (F7)	☐ Very Shallow Dark Surface (F22)
☐ Thick Dark Surface (A12)	☐ Redox Depressions (F8)	
☐ Sandy Mucky Mineral (S1)		
☐ Sandy Gleyed Matrix (S4)		
☐ Sandy Redox (S5)		☐ Other (Include Explanation in Remarks)
☐ Stripped Matrix (S6)		
☐ Dark Surface (S7)		

Restrictive Layer (if observed) Type: _____ Depth (inches): _____

Remarks:

Hydric Soils criterion met? **Yes** ☐ **No** ☐