



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

Provided by MassDEP:

**WPA Form 3 – Notice of Intent**

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

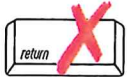
MassDEP File Number

Document Transaction Number

Salisbury

City/Town

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



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

**A. General Information**

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>77 North End Boulevard</u>	<u>Salisbury</u>	<u>01952</u>
a. Street Address	b. City/Town	c. Zip Code
<u>Latitude and Longitude:</u>	<u>42.846218</u>	<u>-70.818417</u>
	d. Latitude	e. Longitude
<u>Map 33</u>	<u>Lot 29</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>77 North End Blvd., LLC.</u>	<u></u>
a. First Name	b. Last Name
<u>77 North End Blvd., LLC.</u>	
c. Organization	
<u>10 Morrison Road</u>	
d. Street Address	
<u>Burlington</u>	<u>Ma</u>
e. City/Town	f. State
<u>(978) 580-1606</u>	<u>01803</u>
h. Phone Number	g. Zip Code
<u></u>	<u>Bergent@Comcast.net</u>
i. Fax Number	j. Email Address

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

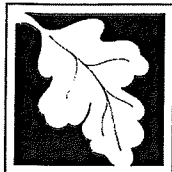
<u>77 North End Blvd., LLC.</u>	<u></u>
a. First Name	b. Last Name
<u>77 North End Blvd., LLC.</u>	
c. Organization	
<u>Same</u>	
<u></u>	
d. Street Address	
<u></u>	<u></u>
e. City/Town	f. State
<u></u>	<u></u>
g. Zip Code	
<u></u>	<u></u>
h. Phone Number	i. Fax Number
<u></u>	<u></u>
	j. Email address

4. Representative (if any):

<u>Matthew A.</u>	<u>Steinel</u>
a. First Name	b. Last Name
<u>Millennium Engineering, Inc.</u>	
c. Company	
<u>62 Elm Street</u>	
d. Street Address	
<u>Salisbury</u>	<u>Ma</u>
e. City/Town	f. State
<u>(978) 463-8980</u>	<u>01952</u>
h. Phone Number	g. Zip Code
<u>(978) 499-0029</u>	<u>MSteinel@Mei-MA.com</u>
i. Fax Number	j. Email address

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

<u>\$1,050 + Local Fee</u>	<u>\$512.50</u>	<u>\$537.50 + Local Fee</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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**A. General Information (continued)**

6. General Project Description:

Demolition and removal of the existing single-family residential structure, concrete pads, and gravel driveway. Construction of a new two-family residential structure on pile supported foundations and other associated site improvements. Other associated activities include utility service installations, gravel driveways with paved aprons, adjustments to existing curbing, and vegetative plantings.

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

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

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

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

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2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Essex

a. County

41761

c. Book

b. Certificate # (if registered land)

288

d. Page Number

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

- 1.  Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, 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).

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



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\_\_\_\_\_  
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**B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)**

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Bank	1. linear feet _____	2. linear feet _____
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet _____	2. square feet _____
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet _____ 3. cubic yards dredged _____	2. square feet _____

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

- f.  Riverfront Area
1. Name of Waterway (if available) - specify coastal or inland \_\_\_\_\_
2. Width of Riverfront Area (check one):
- 25 ft. - Designated Densely Developed Areas only
  - 100 ft. - New agricultural projects only
  - 200 ft. - All other projects

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

4. Proposed alteration of the Riverfront Area:

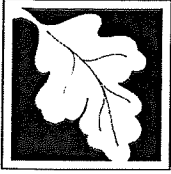
a. total square feet \_\_\_\_\_ b. square feet within 100 ft. \_\_\_\_\_ c. square feet between 100 ft. and 200 ft. \_\_\_\_\_

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

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

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

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



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

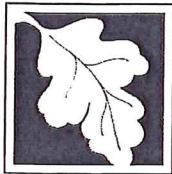
Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____ 1. square feet	
	_____ 2. cubic yards dredged	
c. <input checked="" type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____ 1. square feet	_____ 2. cubic yards beach nourishment
e. <input checked="" type="checkbox"/> Coastal Dunes	2,600 SF (Removal) 2,096 SF (Proposed)	100+/- CF (Foundation Hole) 2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____ 1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____ 1. square feet	
h. <input checked="" type="checkbox"/> Salt Marshes	0 1. square feet	0 2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____ 1. square feet	
	_____ 2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____ 1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	_____ 1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	2,600 SF (Removal) < 50 S.F. (Piles)	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____ a. square feet of BVW	_____ b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____ a. number of new stream crossings	_____ b. number of replacement stream crossings







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

- (c)  MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

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

- (d)  Vegetation cover type map of site

- (e)  Project plans showing Priority & Estimated Habitat boundaries

- (f) OR Check One of the Following

1.  Project is exempt from MESA review.  
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2.  Separate MESA review ongoing. a. NHESP Tracking # \_\_\_\_\_ b. Date submitted to NHESP \_\_\_\_\_

3.  Separate MESA review completed.  
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

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

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

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

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

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [dmf.envreview-south@mass.gov](mailto:dmf.envreview-south@mass.gov)

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [dmf.envreview-north@mass.gov](mailto:dmf.envreview-north@mass.gov)

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

- c.  Is this an aquaculture project?      d.  Yes     No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a.  Yes  No      If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a.  Yes  No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a.  Yes  No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a.  Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1.  Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
  2.  A portion of the site constitutes redevelopment
  3.  Proprietary BMPs are included in the Stormwater Management System.
- b.  No. Check why the project is exempt:
1.  Single-family house
  2.  Emergency road repair
  3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

**D. Additional Information**

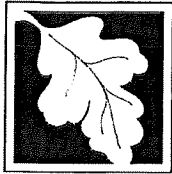
- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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

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

1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.

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



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

3.  Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4.  List the titles and dates for all plans and other materials submitted with this NOI.

Plan to Accompany A Notice of Intent Showing

Existing Site Conditions, Proposed Site Improvements, & Construction Details

Millennium Engineering, Inc.

Eric W. Botterman, P.E.

b. Prepared By

c. Signed and Stamped by

4 / 17 / 2024

1" = 10'

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

5.  If there is more than one property owner, please attach a list of these property owners not listed on this form.

6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7.  Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8.  Attach NOI Wetland Fee Transmittal Form

9.  Attach Stormwater Report, if needed.

**E. Fees**

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

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

MEI #: 2382

4 / 17 / 2024

2. Municipal Check Number

3. Check date

MEI #: 2381

4 / 17 / 2024

4. State Check Number

5. Check date

Millennium

Engineering, Inc.

6. Payor name on check: First Name

7. Payor name on check: Last Name





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**F. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

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

John Berglund  
John Berglund (Apr 17, 2024 10:05 EDT)  
1. Signature of Applicant

17/04/24

2. Date

3. Signature of Property Owner (if different)

4. Date

[Signature]  
5. Signature of Representative (if any)

4 / 17 / 2024

6. Date

**For Conservation Commission:**

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

**For MassDEP:**

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

**Other:**

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.





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**B. Fees (continued)**

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
3B) Multi-Family Dwelling	1	\$1,050.00	\$1,050.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**Step 5/Total Project Fee:** \$1,050.00

**Step 6/Fee Payments:**

Total Project Fee:	<u>\$1,050.00 + Local Fee</u>
	a. Total Fee from Step 5
State share of filing Fee:	<u>\$512.50</u>
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	<u>\$537.50 + Local Fee</u>
	c. 1/2 Total Fee plus \$12.50

**C. Submittal Requirements**

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

**To MassDEP Regional Office (see Instructions):** Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and a copy of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

Project Narrative for Proposed Site Improvements  
77 North End Boulevard, Salisbury, Ma. 01952  
Dated: April 17, 2024

**Site Location & Description**

The subject site consists of 1 parcel of land totaling 3,846 SF containing a single-family residential structure constructed on a concrete cinder block foundations slightly below or at grade. The site is located on the westerly side of North End Boulevard approximately 250-feet north of the northerly intersection with Old Town Way. The site is covered primarily by the residential structure, concrete pads, a shed, a portion of a shared gravel driveway, areas of turf lawn vegetation, and marsh vegetation.

**Project Description**

The applicant(s), John Berglund of 77 North End Blvd. LLC., proposes construction activities within areas subject to the Massachusetts Wetlands Protection Act which are subject to review and approval by the Salisbury Conservation Commission and the State of Massachusetts Department of Environmental Protection.

Construction activities shall include the demolition and removal of the existing single-family residential structure, the concrete pads, the shed, and a portion of the shared gravel driveway followed by the construction of a new two-family residential structures on pile supported foundation and other associated site improvements. Associated site improvements proposed include new utility service connections, new gravel driveways, adjustments to existing curb entrance, and new vegetation plantings. All plantings proposed and/or installed shall be a native species from the list of approved coastal zone management plantings and any deviation from the species listed on the plan shall be reviewed and approved by the Salisbury Conservation Commission, or it's agent, prior to purchasing and installation.

All work shall be performed in accordance with the attached project plans, the approved order of conditions and shall comply with any, and all state and local requirements.

**Resource Area Delineation Methodology**

In July of 2023 Mark West of West Environmental conducted an on-ground evaluation and delineation of existing wetland resource areas and performed an extensive review of existing aerial mapping at which time it was determined that the following resource areas existed onsite or are in close proximity to proposed construction activities:

- 1) On or Within Coastal Dunes: (310 CMR 10.28)
- 2) On or Within Barrier Beaches: (310 CMR 10.29)
- 3) Adjacent to Salt Marshes (310 CMR 10.32)
- 4) Adjacent to Estimated Habitats of Rare Wildlife, for Coastal Wetlands (310 CMR 10.37)
- 5) On or Within Land Subject to Coastal Storm Flowage\*\*

\*\* FEMA Flood Zone AE(Elev.=9) as shown on FEMA Map 25009C0127F, dated July 3, 2012

Subsequently the wetland line was reviewed in March of 2024 by Mary Rimmer, the town's peer review consultant, and adjusted. The adjusted wetland line is now depicted on the attached plan set.

## **Compliance with Performance Standards & Presumption of Significance**

The applicant acknowledges that the resource areas identified above are present on-site and are significant to storm damage prevention and the protection of the wetland values listed in Massachusetts Wetlands Protection Act. Compliance, to the maximum extent feasible, with those performance standards has been demonstrated as follows:

### **Coastal Dunes (310 CMR 10.28)**

In accordance with 310 CMR 10.28, coastal dunes are considered significant to storm damage prevention, flood control, marine fisheries, and the protection of wildlife habitat. In accordance with the definition and delineation methodology contained within the Massachusetts Wetlands Protection Act, it has been determined that all the proposed construction activities are located within this regulated resource area. It is our professional opinion that work proposed is in compliance with the specific performance standards listed in 310 CMR 10.28(3) as the proposed construction activities will 1) not affect the ability of waves to remove sand to and from the dune, 2) will minimize disturbance to existing vegetative cover which may result in the destabilization of the dune, 3) will not modify the dune in a way that would increase the potential storm or flood damage, 4) will not interfere with the landward or lateral movement of the dune, 5) will not cause artificial removal of sand from the dune, and 6) will not interfere with mapped or otherwise identified bird nesting habitats. No construction activities have been proposed which would directly or indirectly impact or have an adverse effect on the productivity or functionality of coastal dune resource areas.

### **Barrier Beach (310 CMR 10.29)**

In accordance with 310 CMR 10.29(3), barrier beaches are considered significant to storm damage prevention, flood control, marine fisheries, and the protection of wildlife habitat. In accordance with the definition and delineation methodology contained within the Massachusetts Wetlands Protection Act, it has been determined that all the proposed construction activities are located within this regulated resource area. It should be noted that no specific performance standards are outlined in 310 CMR 10.29 however the proposed construction activities will 1) not reduce the natural ability of the land to absorb and contain floodwaters, 2) will not displace or divert floodwaters to other areas, 3) will not cause or create the likelihood of damage to other structures or land as debris (collateral damage), 4) will not cause ground, surface or salt-water pollution triggered by coastal storm flowage, and 5) will not restrict the natural movement of sand or floodwaters. No construction activities have been proposed which would directly or indirectly impact or have an adverse effect on the productivity or functionality of barrier beach resource areas.

### **Salt Marshes (310 CMR 10.32)**

In accordance with 310 CMR 10.32, salt marshes are considered significant to the protection of marine fisheries, wildlife habitat, shellfish, and the prevention of pollution & storm damage. In accordance with the definition and delineation methodology contained within the Massachusetts Wetlands Protection Act, it has been determined that all the proposed construction activities are located outside of this regulated resource area and therefore it is our professional opinion that the work proposed is in accordance with the performance standards listed for this resource area. No construction activities have been proposed which would directly or indirectly impact or have an adverse effect on the productivity or functionality of salt marsh resource areas.



### **Estimated Habitat of Rare Wildlife (310 CMR 10.37)**

Attached, please find a copy of the current Natural Heritage and Endangered Species Program map dated August 2021. The map shows that all construction activities are located outside of any mapped, known, or certified areas of "*Priority Habitat of Rare Species*", "*Estimated Habitat of Rare Wildlife*", or any "*Certified Vernal Pools*".

### **Land Subject to Coastal Storm Flowage**

All project activities shall take place within this resource area and therefore direct impacts are being proposed. The proposed dwelling shall be constructed on piles above the base flood elevation in accordance with state and local requirements. The existing foundation will be removed increasing the natural ability for horizontal movement of wind, water, and sand while increasing the sites natural permeability and flood storage capabilities. Proposed construction activities will not have an adverse effect on the resources ability to contain flood waters or impact the natural movement of water or sediment. No construction activities have been proposed which would directly or indirectly impact or have an adverse effect on the productivity or functionality of Land Subject to Coastal Storm Flowage resource areas.

### **Erosion and Sedimentation Control Measures**

Erosion and sediment control shall be established through the installation of a 12-inch silt sock backed by an entrenched silt fence (or approved equal) in accordance with the location provided on the attached design plan and any special conditions found in the approved Order of Conditions document.

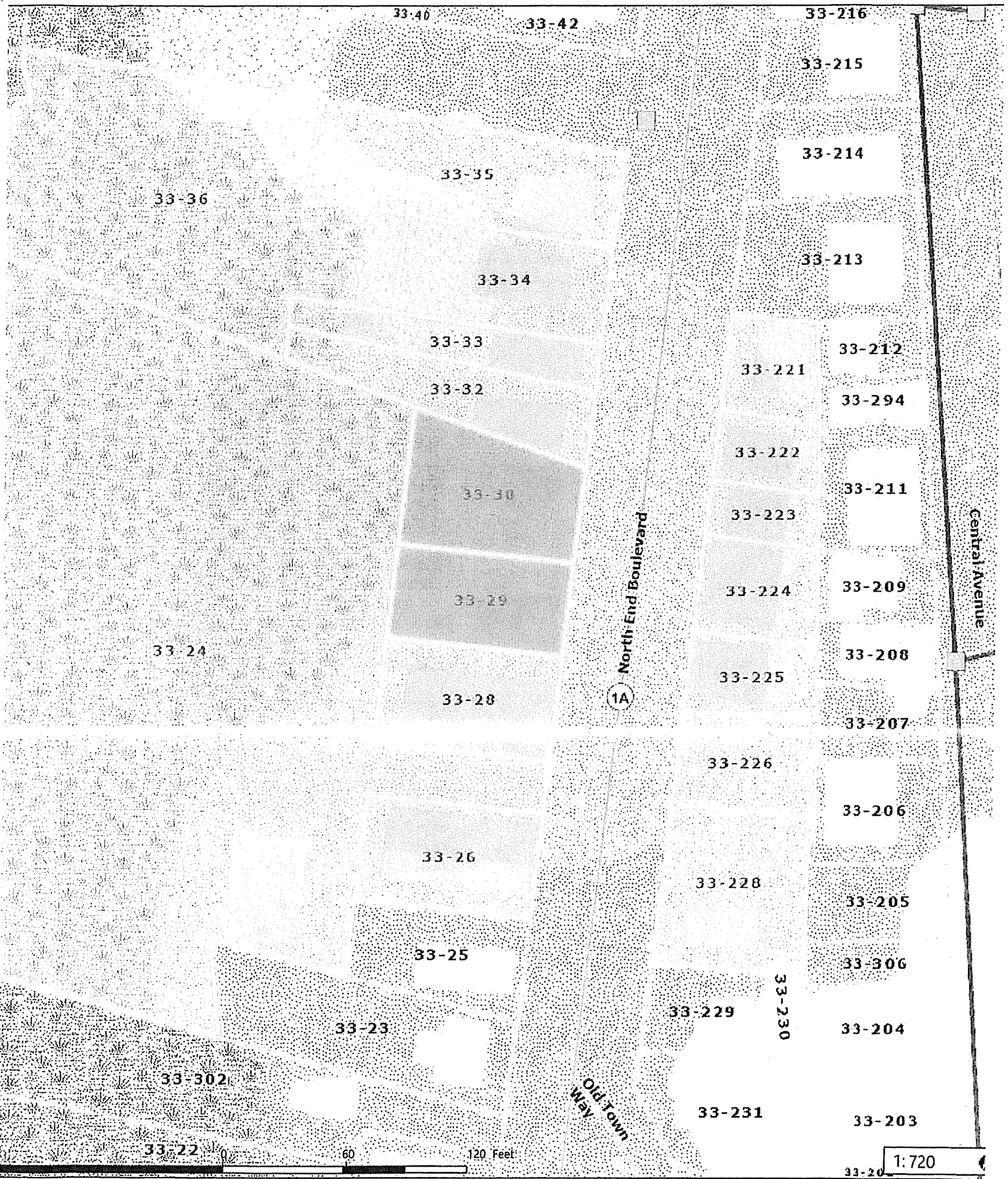
Preliminary Construction Schedule  
77 North End Boulevard, Salisbury, Ma. 01952  
Dated: April 17, 2024

The following construction schedule is provided as a guide to help ensure proper compliance with the conservation commission approval. The contractor shall always keep a copy of the approved plans and the approved order of conditions onsite and available for inspection while work is being performed. Any changes to construction or this schedule should be discussed with the design engineer, project architect, and the conservation commission agent prior to implementing the change to ensure proper compliance with the approval and all code requirements. If there is a conflict between the details in this document, the approved plans, and the approved order of conditions issued by the Conservation Commission, the order of conditions shall supersede and be adhered to at all times.

- 1) Contractor and/or homeowner shall complete all pre-construction site prep work needed prior to beginning construction activities. This includes, but may not be limited to, installation of all approved erosion control measures, contacting all utility companies and Digsafe to ensure all services are properly marked out, turned off, and/or disconnected.
- 2) Contractor and/or homeowner shall contact the Conservation Commission Agent by calling (978) 499-0358 to schedule a pre-construction site walk to inspect any construction fencing or erosion control installation, if required, and discuss any special conditions and/or questions pertaining to the approval.
- 3) Contractor and/or homeowner shall begin demolition and removal of the existing residential structure, shed, concrete pads, and a portion of the shared gravel driveway. Hand removal of all thermostats, glass, asbestos, or anything containing mercury or regulated toxic materials is required prior to general demolition activities and all debris shall be disposed of offsite in accordance with federal, state and local requirements.
- 4) Contractor and/or homeowner shall begin installation of new pilings and start construction of the new two-family residential structure.
- 5) Contractor and/or homeowner shall begin installation of new utility service connections and any other approved site improvements as shown on the approved site plan.
- 6) Upon completion of all major construction activities the contractor and/or homeowner shall complete the installation of all new vegetation plantings and surfaces as shown on the approved plan. Any deviation from the plant species shown shall be reviewed and approved by the conservation commission or its agent prior to purchase and installation. All disturbed areas outside of the building footprint shall be seeded with a New England Salt Tolerant Coastal seed mix.
- 7) Upon completion of all construction activities, plantings, and site stabilization the homeowner shall turn in an As-Built plan and a request for a certificate of compliance stamped by a professional engineer or land surveyor. This request shall include a letter from the engineer or land surveyor pointing out all the inconsistencies with the approved design plan and with what is presented on the As-Built plans.

# Map 33/Lot 29 & 30 --100' Abutters

08/01/21



Sources: Produced by Merrimack Valley Planning Commission (MVPC) and provided by the Town of Salisbury & MassGIS  
 AND THE TOWN OF SALISBURY MAKES NO WARRANTIES, SEVERED OR IMPLIED, CONCERNING THE ACCURACY, COMPLETENESS, RELIABILITY, OR SUITABILITY OF THESE DATA. THE TOWN OF SALISBURY VPC DOES NOT ASSUME ANY LIABILITY ASSOCIATED WITH THE MISUSE OF THIS INFORMATION.



Legend	
Municipal Boundary	Parcel Labels
Manhole	Outfall
Slate Owned Catchbasin	State Owned Manhole
Local Road	500 Year Floodplain
100 Year Floodplain	Wetlands
Parcels	Outfall Labels
Drain Pipe	Gravity Main
Roads	Interstate
Hydrographic Features	Streams
Catchbasin	Swale/Ditch
Floodplain	Major Road

1:720

CERTIFIED ABUTTERS' LIST

Parcel ID	Location	Owner Name/Address
33-029	77 NO END BLVD	LAROSA NANCY 77 NO END BLVD SALISBURY, MA 01952
----- A B U T T E R S -----		
33-024	73 NO END BLVD	TOM PATENAUE HOMES, INC 100 SALEM ST NO ANDOVER, MA 01845
33-026	71 NO END BLVD	SEAFLOOR CONDOMINIUM ASSOC. 71 NO END BLVD SALISBURY, MA 01952
33-028	75 NO END BLVD	TOM PATENAUE HOMES, INC 100 SALEM ST NO ANDOVER, MA 01845
33-032	81 NO END BLVD	LEMMO PHILIP L LE LEMMO KATHLEEN A LE 74 RICHARDSON DR FITCHBURG, MA 01420
33-033	83 NO END BLVD	TORRISI SALVATORE 83 NO END BLVD SALISBURY, MA 01952
	Subsequent owner:	TORRISI SALVATORE T LE 83 NO END BLVD SALISBURY, MA 01952
33-034	85 NO END BLVD	HENNESSEY DAVID C 85 NO END BLVD SALISBURY, MA 01952
33-035	87 NO END BLVD	BORAGINE DEBORAH M 87 NO END BLVD SALISBURY, MA 01952
33-036	89 NO END BLVD	COULSON TRUST C/O FOLEY 389 CLUBHOUSE DR APT D3 GULF SHORES, AL 36542-3405
33-221	86 NO END BLVD	PISTORINO PAUL 86 NO END BLVD SALISBURY, MA 01952
33-222	84 NO END BLVD	LATHAM ELLEN M 84 NO END BLVD SALISBURY, MA 01952

CERTIFIED ABUTTERS' LIST

Parcel ID	Location	Owner Name/Address
33-029	77 NO. END BLVD	LAROSA NANCY 77 NO END BLVD SALISBURY, MA 01952

A B U T T E R S

33-223	82 NO END BLVD	REYNOLDS JUSTIN JOHN NOLAN BRANDON MICHAEL 82 NO END BLVD SALISBURY, MA 01952
33-224	80 NO END BLVD	GUILMETTE RONALD J GUILMETTE ANN MARIE PO BOX 5511 SALISBURY, MA 01952-0511
33-225	78 NO END BLVD	FRECKLE INTERNATIONAL LLC 9 PUTNAM LN GRAFTON, MA 01519
33-226	76 NO END BLVD	GAVIN SUE TR 76 NORTH END BOULEVARD REALTY 9 PUTNAM LN GRAFTON, MA 01519
33-228	72 NO END BLVD	COFFIN DONALD MACKEY KENNETH 140 STEADMAN ST CHELMSFORD, MA 01824
		Subsequent owner: COFFIN DONALD E MACKEY KENNETH J 140 STEADMAN ST CHELMSFORD, MA 01824
33-24A	73 NO END BLVD 1	TOBICHUK PAMELA J 73 NO END BLVD, UNIT 1 SALISBURY, MA 01952
33-24B	73 NO END BLVD 2	MACINNIS PAUL J MACINNIS SUSAN M 73 NO END BLVD, UNIT 2 SALISBURY, MA 01952
33-26A	71 NO END BLVD 1	BARBERA DAVID P BARBERA JACQUELINE A 71 NO END BLVD, UNIT 1 SALISBURY, MA 01952



CERTIFIED ABUTTERS' LIST

Parcel ID	Location	Owner Name/Address
33-029	77 NO END BLVD	LAROSA NANCY 77 NO END BLVD SALISBURY, MA 01952

-----  
A B U T T E R S  
-----

33-26B	71 NO END BLVD 2	SHEA JAMES R SHEA MAUREEN P 71 NO END BLVD, UNIT 2 SALISBURY, MA 01952
33-26C	71 NO END BLVD 3	HERVIEUX PAUL G HERVIEUX CORINNE E 71 NO END BLVD, UNIT 3 SALISBURY, MA 01952
33-28A	75 NO END BLVD 1	MACKEY SANDRA J MACKEY KENNETH J 75 NO END BLVD UNIT 1 SALISBURY, MA 01952
33-28B	75 NO END BLVD 2	BIRMINGHAM ROBERT & BIRMINGHAM T BIRMINGHAM FAMILY TRUST 75 NO END BLVD, Unit 2 SALISBURY, MA 01952
33-28C	75 NO END BLVD 3	DUNN WILLIAM C DUNN KELLY ANN 75 NO END BLVD, UNIT 3 SALISBURY, MA 01952

24 parcels listed



MILLENNIUM ENGINEERING, INC.
Land Surveyors and Civil Engineers

Abutter Notification Under the Massachusetts Wetland Protection Act.

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40 (the Wetlands Protection Act) and any Town of Salisbury wetland ordinance, you are hereby notified of the following:

- A. The name of the applicant(s) is: 77 North End Blvd., LLC.
B. Brief Project Description: Demolition / removal of existing single-family residential structure, concrete pads, and gravel driveways. Construction of a new two-family residential structure on pile supported foundation and other associated site improvements.
C. The applicant has filed a Notice of Intent ("NOI") with the Salisbury Conservation Commission seeking permission to remove, fill, dredge or alter an area, or buffer zone to an area, subject to protection under the Wetlands Protection Act and/or any Town of Salisbury wetland ordinance.
D. The address of the property where the activity is proposed is: 77 North End Blvd. ( Map 33, Lot 29 ) ( INCLUDE ASSESSOR'S MAP / LOT )
E. Copies of the NOI may be examined at the Salisbury Conservation Commission Office during all normal department hours of operation Monday through Friday. Contact information is below. You may also find helpful application materials on the "Current Project Applications & Plans" section of the Commission's website.
F. Copies of the NOI may be requested and obtained from the applicant's representative by calling during all normal hours of operation Monday through Friday. Contact information is below. A printing charge of \$20/set shall apply however electronic copies in PDF format may be requested at no charge.
G. Information regarding the date, time, and place of the public hearing may be obtained from the Salisbury Conservation Commission Office during all normal department hours of operation Monday through Friday. Contact information is below. You may also consult the "Agenda" section of the Commission's website.

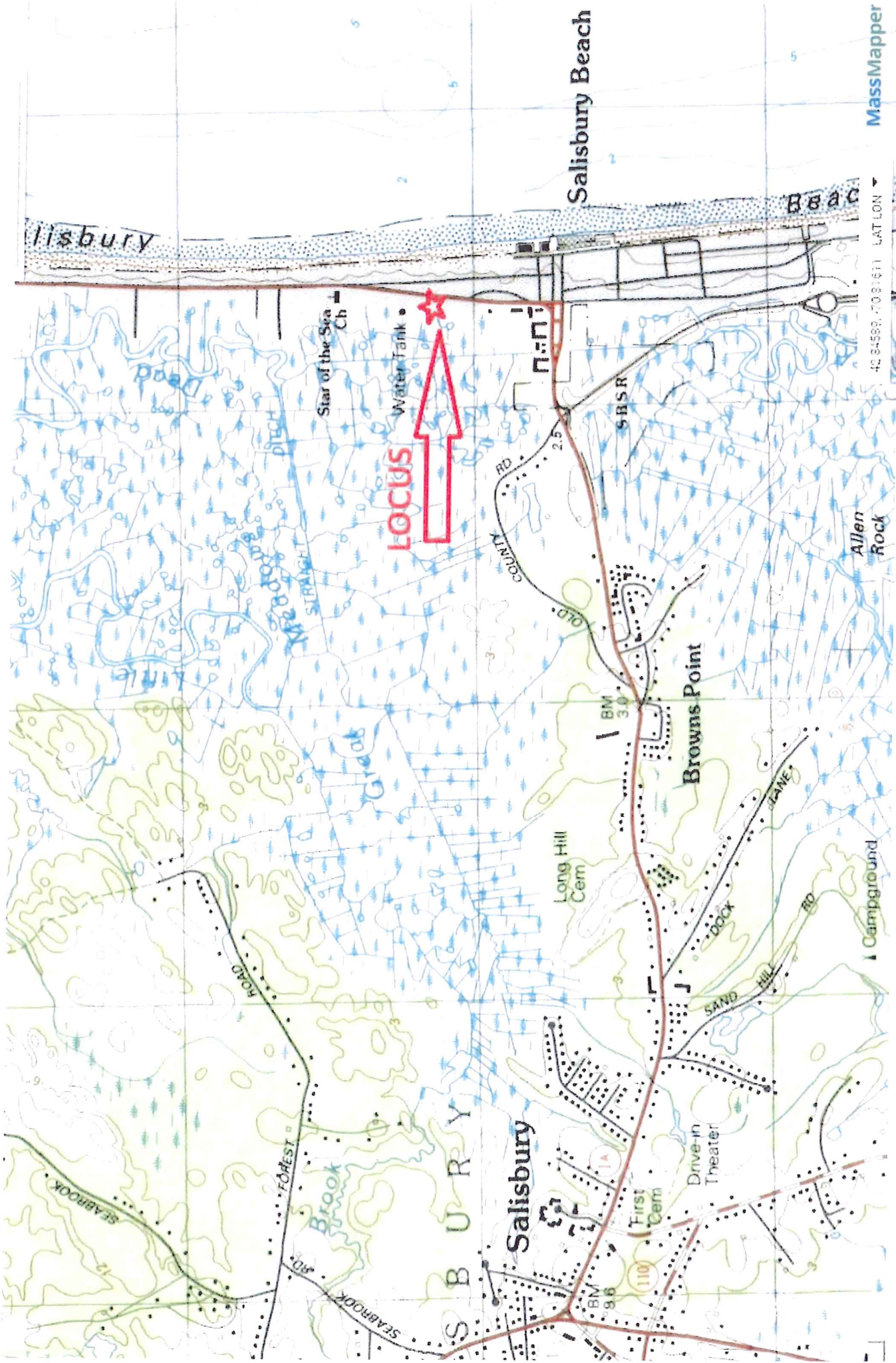
NOTE: Notice of the public hearing, including its date, time, and place will be published at least five (5) days in advance in the Newburyport Daily Newspaper.

NOTE: Notice of the public hearing, including its date, time, and place will be posted in the City or Town Hall not less than forty-eight (48) hours in advance: Hearing scheduled for: May 1, 2024

NOTE: You may also contact the applicant's representative, the Salisbury Conservation Commission, or the nearest Massachusetts Department of Environmental Protection (MassDEP) Regional Office for more information about this application, the Wetlands Protection Act, or any municipal wetland ordinance.

Table with 3 columns: Applicant's Representative Contact Info., Municipal Contact Info., and MassDEP Contact Info. containing contact details for Millennium Engineering, Inc., Salisbury Conservation Commission, and MassDEP Northeast Regional Office.







SALISBURY

PH 2154

PH 2153

Central Avenue

North End Boulevard

Old Town Way

LOCUS

1A





# National Flood Hazard Layer FIRMette

70°49'25"W 42°51'N



## 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, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (*Zone I*)
- 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**

- Area of Minimal Flood Hazard (*Zone X*)
- Effective LOMRs
- Area of Undetermined Flood Hazard (*Zone*)

**GENERAL STRUCTURES**

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**Cross Sections with 1% Annual Chance**

- Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**

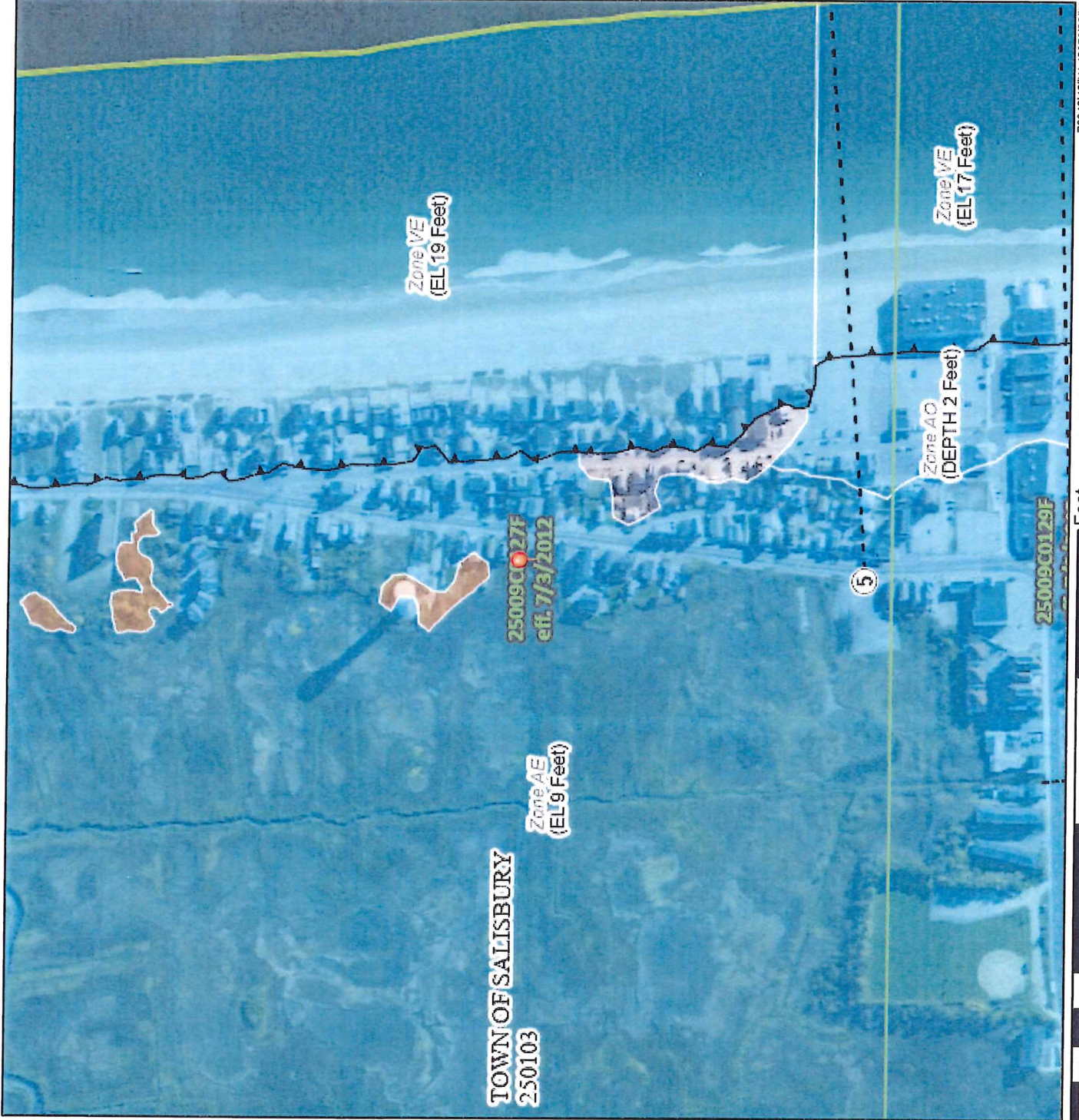
- Digital Data Available
- No Digital Data Available
- Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/24/2023 at 10:57 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



0 250 500 1,000 1,500 2,000 Feet 1:6,000

70°48'48"W 42°50'33"N





Conservation Commission  
Town of Salisbury  
5 Beach Road  
Salisbury, Massachusetts 01952

Permission To Access Site\*

Property Owner:

Name: \_\_\_\_\_  
Company: 77 North End Blvd., LLC.  
Address: 10 Morrison Rd., Burlington, Ma. 01803  
Telephone: (978) 580-1606  
Email: Bergent@Comcast.net

Authorized Agent (if applicable):

Name: Matthew A. Steinel  
Company: Millennium Engineering, Inc.  
Address: 62 Elm Street - Salisbury  
Telephone: (978) 463-8980  
Email: MSteinel@Mei-MA.com

Property Location:

77 North End Boulevard, Salisbury, MA  
(street address)

Assessor's Map#: 33 Assessor's Lot #: 29

*I hereby give permission to the Salisbury Conservation Commission, its agents and members or their designees, permission to enter my property at the above address in order to complete a site visit as needed for the review of one of the following applications:*

- Notice of Intent
- Request for Determination of Applicability
- Abbreviated Notice of Resource Area Delineation
- Other: \_\_\_\_\_

John Berglund  
John Berglund (Apr 17, 2024 16:06 EDT)  
(signature of property owner  /authorized agent )

17/04/24  
(date)

John Berglund - 77 North End Blvd., LLC.  
(print name)

\*Sites must allow clear and safe ingress/egress to the project area for the Commissioners, their agents, members and designees. Hearings may need to be continued for lack of information should site access not be possible.

# Massachusetts Department of Environmental Protection

Final Audit Report

2024-04-17

Created:	2024-04-17
By:	Matthew Steinel (msteinel@mei-ma.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAJbQh8VJUUVsmCUL3Rsb1_MmsSn6mA33d

## "Massachusetts Department of Environmental Protection" History

-  Document created by Matthew Steinel (msteinel@mei-ma.com)  
2024-04-17 - 5:41:15 PM GMT- IP address: 50.199.249.30
-  Document emailed to John Berglund (bergent@comcast.net) for signature  
2024-04-17 - 5:41:19 PM GMT
-  Email viewed by John Berglund (bergent@comcast.net)  
2024-04-17 - 7:20:00 PM GMT- IP address: 73.114.244.114
-  Document e-signed by John Berglund (bergent@comcast.net)  
Signature Date: 2024-04-17 - 8:06:02 PM GMT - Time Source: server- IP address: 73.114.244.114
-  Agreement completed.  
2024-04-17 - 8:06:02 PM GMT



# Checklist for Stormwater Report

## A. Introduction

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



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

The Stormwater Report must include:

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

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

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

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

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

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





# Checklist for Stormwater Report

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## B. Stormwater Checklist and Certification

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

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

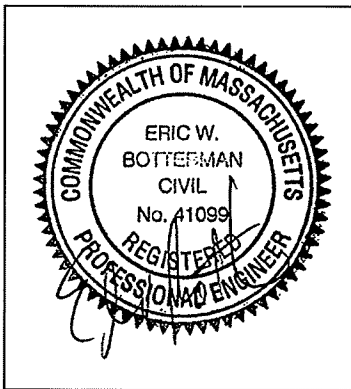
A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

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### Registered Professional Engineer's Certification

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

Registered Professional Engineer Block and Signature



4 / 17 / 2024

Signature and Date

---

## Checklist

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

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



# Checklist for Stormwater Report

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## Checklist (continued)

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

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

### Standard 1: No New Untreated Discharges

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





# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 2: Peak Rate Attenuation

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

### Standard 3: Recharge

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

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



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 3: Recharge (continued)

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

### Standard 4: Water Quality

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

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



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 4: Water Quality (continued)

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

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

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

### Standard 6: Critical Areas

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



# Checklist for Stormwater Report

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## Checklist (continued)

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

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

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

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

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



# Checklist for Stormwater Report

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## Checklist (continued)

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

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

### Standard 9: Operation and Maintenance Plan

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

### Standard 10: Prohibition of Illicit Discharges

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