

TOWN OF FRANKLIN, MASSACHUSETTS

NOTICE OF INTENT

FOR

Prospect Street Culvert Repairs

October 2024



TOWN OF FRANKLIN, MA
DEPARTMENT OF PUBLIC WORKS

Jamie Hellen, Town Administrator
Robert A. Cantoreggi, Director of Public Works
Michael Maglio, PE, Town Engineer



TOWN OF FRANKLIN

DEPARTMENT OF PUBLIC WORKS

Franklin Municipal Building
257 Fisher Street
Franklin, MA 02038-3026

October 18, 2024

Ms. Breeka Li Goodlander, Conservation Agent
Members of the Franklin Conservation Commission
355 East Central Street
Franklin, MA 02038

Re: Prospect Street Culvert Repair

Dear Conservation Commission Members:

The Department of Public Works (DPW) is filing this Notice of Intent with the Conservation Commission, after-the-fact, for the emergency repair to the drainage culvert under Prospect Street, a public roadway, in Franklin.

The existing stone box culvert and the roadway over the culvert were failing, as evidenced by visible collapse of the culvert and erosion of the embankment at the edge of the roadway pavement. Emergency work began on December 26, 2023 and was completed on January 10, 2024. The road was opened to traffic on January 11, 2024. The work was within the 100-foot Wetlands Buffer Zone, as well as the 200-foot Riverfront Area, and the FEMA Flood Zone.

According to the MassGIS Website, there are no known registered or potential vernal pools located within or adjacent to the area of proposed work. It was confirmed with the MassWildlife's Natural Heritage & Endangered Species Program that there are no Priority Habitats of Rare Wildlife on the site.

The DPW is the proponent of this project and is requesting that the filing fees be waived for this project.

If you require additional information, please contact this office at 508-553-5500.

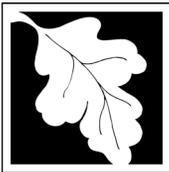
Sincerely,

Michael Maglio, P.E.
Town Engineer

Attachments: Notice of Intent
CC: MassDEP, Central Regional Office

Section B – Notice of Intent

- WPA Form 3
- MA DEP Transmittal Form
- Resource Area Impact Summary Form
- WPA Form 3 – Appendix A: Ecological Restoration Limited Project Checklists
- Emergency Authorization Letter from Franklin Conservation Commission
- Proof of Notice Published to Environmental Monitor



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Franklin
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>Prospect St ROW (570' north of Lake St)</u>	<u>Franklin</u>	<u>02038</u>
a. Street Address	b. City/Town	c. Zip Code
<u>Latitude and Longitude:</u>	<u>42.06375</u>	<u>-71.45491</u>
	d. Latitude	e. Longitude
<u>ROW</u>	<u>ROW</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Town of Franklin - Department of Public Works</u>	<u></u>
a. First Name	b. Last Name
<u>257 Fisher Street</u>	
c. Organization	
<u>Franklin</u>	<u>MA</u>
d. Street Address	e. City/Town
<u>508-553-5000</u>	<u>02038</u>
h. Phone Number	f. State
<u></u>	g. Zip Code
i. Fax Number	j. Email Address

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

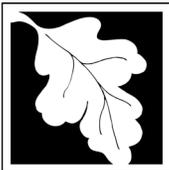
<u>Town of Franklin</u>	<u></u>
a. First Name	b. Last Name
<u>355 East Central Street</u>	
c. Organization	
<u>Franklin</u>	<u>MA</u>
d. Street Address	e. City/Town
<u>508-528-7900</u>	<u>02038</u>
h. Phone Number	f. State
i. Fax Number	g. Zip Code
j. Email address	

4. Representative (if any):

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

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

<u>Fee waived</u>	<u></u>	<u></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:

Emergency replacement of a failing drainage culvert, installation of rip rap to stabilize slopes, and replacement of pavement.

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)

310 CMR 10.53(3)(k) - culvert repair

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:

a. County

b. Certificate # (if registered land)

c. Book

d. Page Number

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

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, 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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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input checked="" type="checkbox"/> Bank	117.5 1. linear feet	117.5 2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	3125 1. square feet	3125 2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	_____ 1. square feet _____ 3. cubic yards dredged	_____ 2. square feet

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

f. Riverfront Area
 Unnamed stream (inland)
 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: 6227635
 square feet

4. Proposed alteration of the Riverfront Area:

<u>3125</u>	<u>3125</u>	<u>0</u>
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 type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

4. Restoration/Enhancement
 If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

_____	_____
a. square feet of BVW	b. square feet of Salt Marsh
5. <input checked="" type="checkbox"/> Project Involves Stream Crossings	
0	1
_____	_____
a. number of new stream crossings	b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

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

a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

b. Date of map _____

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

c. Submit Supplemental Information for Endangered Species Review*

- 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

- Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

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

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



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

- (c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_fee_schedule.htm). Make check payable to “Commonwealth of Massachusetts - NHESP” and **mail to NHESP** at above address

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

- (d) Vegetation cover type map of site
- (e) Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following
1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
 2. Separate MESA review ongoing. _____ a. NHESP Tracking # _____ b. Date submitted to NHESP
 3. Separate MESA review completed.
Include copy of NHESP “no Take” determination or valid Conservation & Management Permit with approved plan.
3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a. Not applicable – project is in inland resource area only b. Yes No

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

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

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

North Shore - Hull to New Hampshire border:

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

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



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

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

- 4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
 b. ACEC

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

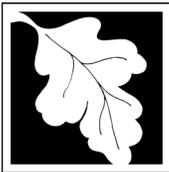
D. Additional Information

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

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

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

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



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D. Additional Information (cont'd)

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

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

a. Plan Title _____

b. Prepared By _____ c. Signed and Stamped by _____

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

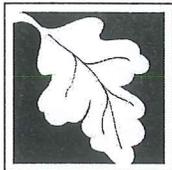
1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

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

2. Municipal Check Number _____ 3. Check date _____

4. State Check Number _____ 5. Check date _____

6. Payor name on check: First Name _____ 7. Payor name on check: Last Name _____



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F. Signatures and Submittal Requirements

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

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

	
1. Signature of Applicant	2. Date
MICHAEL MAGLIO, TOWN ENGINEER FRANKLIN DPW	10/18/24
3. Signature of Property Owner (if different)	4. Date
5. Signature of Representative (if any)	6. Date

For Conservation Commission:

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

For MassDEP:

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

Other:

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

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



Massachusetts Department of Environmental Protection
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NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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



A. Applicant Information

1. Location of Project:

a. Street Address _____ b. City/Town _____
 c. Check number _____ d. Fee amount _____

2. Applicant Mailing Address:

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

3. Property Owner (if different):

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

B. Fees

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

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

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

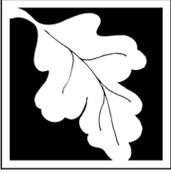
Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

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

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

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

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



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NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

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

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

Total Project Fee: _____
 a. Total Fee from Step 5

State share of filing Fee: _____
 b. 1/2 Total Fee **less** \$12.50

City/Town share of filing Fee: _____
 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.)

Town of Franklin Conservation Commission

RESOURCE AREA IMPACT SUMMARY FORM

**The Franklin Wetlands Protection Bylaw
Franklin Town Code Section 181**

Resource Area	Alteration Proposed (temporarily disturbed)	Mitigation Proposed
Bordering Vegetated Wetland (SF)	3125	3125
Bank (LF)	117.5	117.5
Land Under Water Bodies (SF)	0	0
Isolated Wetland (SF)	0	0
Vernal Pool (SF)	0	0
Buffer Zone (SF)	3125	3125
Riverfront (SF)	3125	3125
(SF) = Square Feet (LF) = Linear Feet		



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Checklist

This Ecological Restoration Limited Project Eligibility Checklist guides the applicant in determining if their project is eligible to file as an Inland or Coastal Ecological Restoration Limited Project (310 CMR 10.53(4) or 310 CMR 10.24(8) respectively). These criteria must be met when submitting the Ecological Restoration Limited Project Notice of Intent to ensure that the restoration and improvement of the natural capacity of a Resource Area(s) to protect and sustain the interests identified in the WPA is **necessary** to achieve the project's ecological restoration goals.

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.

Regulatory Features of All Coastal and Inland Ecological Restoration Limited Projects

- (a) May result in the temporary or permanent loss of or conversion of Resource Area: An Ecological Restoration Limited Project that meets the requirements of 310 CMR 10.24(8) may result in the temporary or permanent loss of Resource Areas and/or the conversion of one Resource Area to another when such loss is necessary to the achievement of the project's ecological restoration goals.
- (b) Exemption from wildlife habitat evaluation: A NOI for an Ecological Restoration Limited Project that meets the minimum requirements for Ecological Restoration Projects and for a MassDEP Combined Application outlined in 310 CMR 10.12(1) and (2) is exempt from providing a wildlife habitat evaluation (310 CMR 10.60).
- (c) The following are considerations for applicants filing an Ecological Restoration Limited Project NOI and for the issuing authority approving a project as an Ecological Restoration Limited Project:
 - The condition of existing and historic Resource Areas proposed for restoration.
 - Evidence of the extent and severity of the impairment(s) that reduce the capacity of the Resource Areas to protect and sustain the interests identified in M.G.L. c. 131, § 40.
 - The magnitude and significance of the benefits of the Ecological Restoration Project in improving the capacity of the affected Resource Areas to protect and sustain the other interests identified in M.G.L. c. 131, § 40.
 - The magnitude and significance of the impacts of the Ecological Restoration Project on existing Resource Areas that may be modified, converted and/or lost and the interests for which said Resource Areas are presumed significant in 310 CMR 10.00, and the extent to which the project will:
 - a. avoid adverse impacts to Resource Areas and the interests identified in M.G.L. c. 131, § 40, that can be avoided without impeding the achievement of the project's ecological restoration goals.
 - b. minimize adverse impacts to Resource Areas and the interests identified in M.G.L. c. 131, § 40, that are necessary to the achievement of the project's ecological restoration goals.
 - c. utilize best management practices such as erosion and siltation controls and proper construction sequencing to avoid and minimize adverse construction impacts to resource areas and the interests identified in M.G.L. c. 131, § 40.



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Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8))

Provided by MassDEP:

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Complete this Eligibility Criteria Checklist **before** filling out a Notice of Intent Application to determine if your project qualifies as a Coastal Ecological Restoration Limited Project. (310 CMR 10.24(8)) Sign the Eligibility Certification at the end of Appendix A, and attach the checklist with supporting documentation and the Eligibility Certification to your Notice of Intent Application.

General Eligibility Criteria for All Coastal Ecological Restoration Limited Projects

Notwithstanding the requirements of 310 CMR 10.25 through 10.35, 310 CMR 10.54 through 10.58, and the Wildlife Habitat evaluations in 310 CMR 10.60, the Issuing Authority may issue an Order of Conditions permitting an Ecological Restoration Project listed in 310 CMR 10.24(8)(e) as an Ecological Restoration Limited Project and impose such conditions as will contribute to the interests identified in the WPA M.G.L. provided that the project meets all the requirements in 310 CMR 10.24(8).

- The project is an Ecological Restoration Project as defined in 310 CMR 10.04 and is a project type listed below [310 CMR 10.24(8)(e)].
- Tidal Restoration.
- Shellfish Habitat Restoration.
- Other Ecological Restoration Limited Project Type.
- The project will further at least one of the WPA (M.G.L. c. 131, § 40) interests identified below.
 - Protection of public or private water supply.
 - Protection of ground water supply.
 - Flood control.
 - Storm damage prevention.
 - Prevention of pollution.
 - Protection of land containing shellfish.
 - Protection of fisheries.
 - Protection of wildlife habitat.
- If the project will impact an area located within estimated habitat which is indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands, a NHESP preliminary written determination is attached to the NOI submittal that the project will not have any adverse long-term and short-term effects on specified habitat sites of Rare Species or the project will be carried out in accordance with an approved NHESP habitat management plan.



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Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8)) (Cont.)

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General Eligibility Criteria for All Coastal Ecological Restoration Limited Projects (cont.)

- If the project is located in a Coastal Dune or Barrier Beach, the project avoids and minimizes armoring of the Coastal Dune or Barrier Beach to the maximum extent practicable.
- The project complies with all applicable provisions of 310 CMR 10.24(1) through (6) and 310 CMR 10.24(9) and (10).

Additional Eligibility Criteria for Specific Coastal Ecological Restoration Limited Project Types

These additional criteria must be met to qualify as an Ecological Restoration Limited Project to ensure that the restoration and improvement of the natural capacity of a Resource Area to protect and sustain the interests identified in the WPA is **necessary** to achieve the project's ecological restoration goals.

- This Ecological Restoration Limited Project application meets the eligibility criteria for Ecological Restoration Limited Project [310 CMR 10.24(8)(a) through (d) and as proposed, furthers at least one of the WPA interests is for the project type identified below.

Tidal Restoration Projects

- A project to restore tidal flow that will not significantly increase flooding or storm damage impacts to the built environment, including without limitation, buildings, wells, septic systems, roads or other man-made structures or infrastructure.

Shellfish Habitat Restoration Projects

- The project has received a Special Projects Permit from the Division of Marine Fisheries or, if a municipality, has received a shellfish propagation permit.
- The project is made of cultch (e.g., shellfish shells from oyster, surf or ocean clam) or is a structure manufactured specifically for shellfish enhancement (e.g., reef blocks, reef balls, racks, floats, rafts, suspended gear).

Other Ecological Restoration Projects that meet the criteria set forth in 310 CMR 10.24(8)(a) through (d).

- Restoration, enhancement, or management of Rare Species habitat.
- Restoration of hydrologic and habitat connectivity.
- Removal of aquatic nuisance vegetation to impede eutrophication.
- Thinning or planting of vegetation to improve habitat value.
- Fill removal and re-grading.
- Riparian corridor re-naturalization.
- River floodplain re-connection.



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Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8)) (Cont.)

Additional Eligibility Criteria for Specific Coastal Ecological Restoration Limited Project Types

- In-stream habitat enhancement.
- Remediation of historic tidal wetland ditching.
- Eelgrass restoration.
- Invasive species management.
- Installation of fish passage structures.
- Other. Describe: _____
- This project involves the construction, repair, replacement or expansion of public or private infrastructure (310 CMR 10.24(9)).
 - The NOI attachment labeled _____ is an operation and maintenance plan to ensure that the infrastructure will continue to function as designed.
 - The operation and maintenance plan will be implemented as a continuing condition in the Order of Conditions and the Certificate of Compliance.
 - This project proposes to replace an existing stream crossing (310 CMR 10.24(10)). The crossing complies with the Massachusetts Stream Crossing Standards to the maximum extent practicable with details provided in the NOI. The crossing type:
 - Replaces an existing non-tidal crossing that is part of an Anadromous/Catadromous Fish Run (310 CMR 10.35)
 - Replaces an existing tidal crossing that restricts tidal flow. The tidal restriction will be eliminated to the maximum extent practicable.
 - At a minimum, in evaluating the potential to comply with the standards to the maximum extent practicable the following criteria have been consider site constraints in meeting the standard, undesirable effects or risk in meeting the standard, and the environmental benefit of meeting the standard compared to the cost, by evaluating the following:
 - The potential for downstream flooding;
 - Upstream and downstream habitat (in-stream habitat, wetlands);
 - Potential for erosion and head-cutting;
 - Stream stability;
 - Habitat fragmentation caused by the crossing;
 - The amount of stream mileage made accessible by the improvements;
 - Storm flow conveyance;



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Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8)) (Cont.)

Additional Eligibility Criteria for Specific Coastal Ecological Restoration Limited Project Types

- Engineering design constraints specific to the crossing;
- Hydrologic constraints specific to the crossing;
- Impacts to wetlands that would occur by improving the crossing;
- Potential to affect property and infrastructure; and
- Cost of replacement.

Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4))

Complete this Eligibility Criteria Checklist **before** filling out a Notice of Intent Application to determine if your project qualifies as an Inland Ecological Restoration Limited Project. (310 CMR 10.53(4)) Sign the Eligibility Certification at the end of Appendix A, and attach the checklist with supporting documentation and the Eligibility Certification to your Notice of Intent Application.

General Eligibility Criteria for All Inland Ecological Restoration Limited Projects

Notwithstanding the requirements of any other provision of 310 CMR 10.25 through 10.35, 310 CMR 10.54 through 10.58, and 310 CMR 10.60, the Issuing Authority may issue an Order of Conditions permitting an Ecological Restoration Project listed in 310 CMR 10.53(4)(e) as an Ecological Restoration Limited Project and impose such conditions as will contribute to the interests identified in M.G.L. c. 131, § 40, provided that:

- The project is an Ecological Restoration Project as defined in 310 CMR 10.04 and is a project type listed below [310 CMR 10.53(4)(e)].
 - Dam Removal
 - Freshwater Stream Crossing Repair and Replacement
 - Stream Daylighting
 - Tidal Restoration
 - Rare Species Habitat Restoration
 - Restoring Fish Passageways
 - Other (describe project type): culvert repair



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Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4)) (cont.)

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General Eligibility Criteria for All Inland Ecological Restoration Limited Projects

- The project will further at least one of the WPA (M.G.L. c. 131, § 40) interests identified below.
 - Protection of public or private water supply
 - Protection of ground water supply
 - Flood control
 - Storm damage prevention
 - Prevention of pollution
 - Protection of land containing shellfish
 - Protection of fisheries
 - Protection of wildlife habitat
- If the project will impact an area located within estimated habitat which is indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands, a NHESP preliminary written determination is attached to the NOI submittal that the project will have no adverse long-term and short-term effects on specified habitat sites of Rare Species or the project will be carried out in accordance with an approved NHESP habitat management plan.
- The project will be carried out in accordance with any time of year restrictions or other conditions recommended by the Division of Marine Fisheries for coastal waters and the Division of Fisheries and Wildlife in accordance with 310 CMR 10.11(3).
- If the project involves the dredging of 100 cubic yards of sediment or more or dredging of any amount in an Outstanding Resource Water, a Water Quality Certification has been applied for or obtained.
- The project complies with all applicable provisions of 310 CMR 10.53(1), (2), (7), and (8).



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Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4)) (cont.)

Provided by MassDEP:

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Additional Eligibility Criteria for Specific Inland Ecological Restoration Limited Project Types

These additional criteria must be met to qualify as an Ecological Restoration Limited Project to ensure that the restoration and improvement of the natural capacity of a Resource Area to protect and sustain the interests identified in the WPA is **necessary** to achieve the project's ecological restoration goals.

- This project application meets the eligibility criteria for Ecological Restoration Limited Project in accordance with [310 CMR 10.53(4)(a) through (d) and as proposed, furthers at least one of the WPA interests is for the project type identified below:
 - Dam Removal**
 - Project is consistent with MassDEP's 2007 Dam Removal Guidance.
 - Freshwater Stream Crossing Repair and Replacement.** The project as proposed and the NOI describes how:
 - Meeting the eligibility criteria set forth in 310 CMR 10.13 would result in significant stream instability or flooding hazard that cannot otherwise be mitigated, and site constraints make it impossible to meet said criteria.
 - The project design ensures that the stability of the bank is NOT impaired.
 - To the maximum extent practicable, the project provides for the restoration of the stream upstream and downstream of the structure as needed to restore stream continuity and eliminate barriers to aquatic organism movement.
 - The project complies with the requirements of 310 CMR 10.53(7) and (8).
 - Stream Daylighting Projects**
 - The project meets the eligibility criteria for Ecological Restoration Limited Project [310 CMR 10.53(4)(a) through (d)] and as proposed the NOI describes how the proposed project meets to the maximum extent practicable, consistent with the project's ecological restoration goals, all the performance standards for Bank and Land Under Water Bodies and Waterways.
 - The project meets the requirements of 310 CMR 10.12(1) and (2) and a wildlife habitat evaluation is not included in the NOI.
 - Tidal Restoration Project**
 - Restores tidal flow.
 - the project, including any proposed flood mitigation measures, will not significantly increase flooding or storm damage to the built environment, including without limitation, buildings, wells, septic systems, roads or other man-made structures or infrastructure.



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Appendix A: Ecological Restoration Limited Project Checklists

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

Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4)) (cont.)

- Other Ecological Restoration Projects** that meet the criteria set forth in 310 CMR 10.53 (4) (a) through (d).
 - Restoration, enhancement, or management of Rare Species habitat.
 - Restoration of hydrologic and habitat connectivity.
 - Removal of aquatic nuisance vegetation to impede eutrophication.
 - Thinning or planting of vegetation to improve habitat value.
 - Riparian corridor re-naturalization.
 - River floodplain re-connection.
 - In-stream habitat enhancement.
 - Fill removal and re-grading.
 - Flow restoration.
 - Installation of fish passage structures.
 - Invasive species management.
 - Other. Describe: _____
- This project involves the construction, repair, replacement or expansion of public or private infrastructure. (310 CMR 10.53(7))
 - The NOI attachment labeled Section C is an operation and maintenance plan to ensure that the infrastructure will continue to function as designed.
 - The operation and maintenance plan will be implemented as a continuing condition in the Order of Conditions and the Certificate of Compliance.
- This project replaces an existing stream crossing (310 CMR 10.53(8)). The crossing type:
 - Replaces an existing non-tidal crossing designed to comply with the Massachusetts Stream Crossing Standards to the maximum extent practicable with details provided in the NOI.
 - Replaces an existing tidal crossing that restricts tidal flow. The tidal restriction will be eliminated to the maximum extent practicable.



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Appendix A: Ecological Restoration Limited
Project Checklists

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

Eligibility Criteria - Inland Ecological Restoration Limited Project (310
CMR 10.53(4)) (cont.)

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- At a minimum, in evaluating the potential to comply with the standards to the maximum extent practicable the following criteria have been consider site constraints in meeting the standard, undesirable effects or risk in meeting the standard, and the environmental benefit of meeting the standard compared to the cost, by evaluating the following:
 - The potential for downstream flooding;
 - Upstream and downstream habitat (in-stream habitat, wetlands);
 - Potential for erosion and head-cutting;
 - Stream stability;
 - Habitat fragmentation caused by the crossing;
 - The amount of stream mileage made accessible by the improvements;
 - Storm flow conveyance;
 - Engineering design constraints specific to the crossing;
 - Hydrologic constraints specific to the crossing;
 - Impacts to wetlands that would occur by improving the crossing;
 - Potential to affect property and infrastructure; and
 - Cost of replacement.



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Appendix A: Ecological Restoration Limited Project Checklists

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

Required Actions (310 CMR 10.11)

Complete the Required Actions before submitting a Notice of Intent Application for an Ecological Restoration Project and submit a completed copy of this Checklist with the Notice of Intent.

- Massachusetts Environmental Policy Act (MEPA) / Environmental Monitor**
<https://www.mass.gov/service-details/the-environmental-monitor>

For Ecological Restoration Limited Projects, there are no changes to MEPA requirements.

- Submit written notification at least 14 days prior to the filing of a Notice of Intent (NOI) to the Environmental Monitor for publication. A copy of the written notification is attached and provides at minimum:

- A brief description of the proposed project.
- The anticipated NOI submission date to the conservation commission.
- The name and address of the conservation commission that will review the NOI.
- Specific details as to where copies of the NOI may be examined or acquired and where to obtain the date, time, and location of the public hearing.

- Massachusetts Endangered Species Act (MESA) /Wetlands Protection Act Review**

- Preliminary Massachusetts Endangered Species Act Review from the Natural Heritage and Endangered Species Program (NHESP) has been met and the written determination is attached.

- Supplemental Information for Endangered Species Review has been submitted.

1. Percentage/acreage of property to be altered:
 - a. Within Wetland Resource Area _____
Percentage/acreage
 - b. Outside Wetland 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 wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work.
4. Project description (including description of impacts outside of wetland resource area & buffer zone)
5. Photographs representative of the site
6. MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>)



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Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
Required Actions (310 CMR 10.11) (cont.)

Provided by MassDEP:	
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Make check payable to “Commonwealth of Massachusetts - NHESP” and mail to NHESP:

Natural Heritage & Endangered Species Program
MA Division of Fisheries & Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

- 7. Projects altering 10 or more acres of land, also submit:
 - a. Vegetation cover type map of site
 - b. Project plans showing Priority & Estimated Habitat boundaries

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/ma-endangered-species-act-mesa-overview>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59 – see C4 below)

- 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.

Estimated Habitat Map of State-Listed Rare Wetlands Wildlife

If a portion of the proposed project is located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP), complete the portion below. To view habitat maps, see the **Massachusetts Natural Heritage Atlas** or view the maps electronically at: <https://www.mass.gov/guides/masswildlife-publications#-massachusetts-natural-heritage-atlas->

- A preliminary written determination from Natural Heritage and Endangered Species Program (NHESP) must be obtained indicating that:
 - Project will NOT have long- or short-term adverse effect on the actual Resource Area located within estimated habitat indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands Wildlife published by NHESP.
 - Project will have long- or short-term adverse effect on the actual Resource Area located within estimated habitat indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands Wildlife published by NHESP. A copy of NHESP’s written preliminary determination in accordance with 310 CMR 10.11(2) is attached. This specifies:

Date of the map: _____



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Appendix A: Ecological Restoration Limited Project Checklists

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

Required Actions (310 CMR 10.11) (cont.)

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- If the Rare Species identified is/are likely to continue to be located on or near the project, and if so, whether the Resource Area to be altered is in fact part of the habitat of the Rare Species.
- That if the project alters Resource Area(s) within the habitat of a Rare Species:
- The Rare Species is identified;
- NHESP's recommended changes or conditions necessary to ensure that the project will have no short or long term adverse effect on the habitat of the local population of the Rare Species is provided; or
- An approved NHESP habitat management plan is attached with this Notice of Intent.

Send the request for a preliminary determination to:
Natural Heritage & Endangered Species Program
MA Division of Fisheries & Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

Division of Marine Fisheries

- If the project will occur within a coastal waterbody with a restricted Time of Year, [see Appendix B of the Division of Marine Fisheries (DMF) Technical Report TR 47 "Marine Fisheries Time of Year Restrictions (TOYs) for Coastal Alteration Projects" dated April 2011 <https://www.nae.usace.army.mil/Portals/74/docs/regulatory/StateGeneralPermits/MA/TR-47.pdf>].
- Obtain a DMF written determination stating:
 - The proposed work does NOT require a TOY restriction.
 - The proposed work requires a TOY restriction. Specific recommended TOY restriction and recommended conditions on the proposed work is attached.
- If the project may affect a diadromous fish run [re: Division of Marine Fisheries (DMF) Technical Reports TR 15 through 18, dated 2004: <https://www.mass.gov/service-details/marine-fisheries-technical-reports>]
- Obtain a DMF written determination stating:
 - The design specifications and operational plan for the project are compatible with the passage requirements of the fish run.
 - The design specifications and operational plan for the project are not compatible with the passage requirements of the fish run.



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Appendix A: Ecological Restoration Limited Project Checklists

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

Required Actions (310 CMR 10.11) (cont.)

Provided by MassDEP:
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Send the request for a written or electronic determination to:

South Shore – Bourne to Rhode Island border,
and the Cape & Islands:
Division of Marine Fisheries –
South Coast Field Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: DMF.EnvReview-South@state.ma.us

North Shore – Plymouth to New Hampshire
border:
Division of Marine Fisheries –
North Shore Field Station
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

- Division of Fisheries and Wildlife** – <https://www.mass.gov/orgs/division-of-fisheries-and-wildlife>
 - Projects that involve silt-generating, in-water work that will impact a non-tidal perennial river or stream and the in-water work will not occur between May 1 and August 30.
 - Obtain a written determination from the Division of Fisheries and Wildlife (DFW) as to whether the proposed work requires a TOY restriction.
 - The proposed work does NOT require a TOY restriction.
 - The proposed work requires a TOY restriction. The DFW determination with TOY restriction and other conditions is attached.

MassDEP Water Quality Certification

- Project involves dredging of 100 cubic yards or more in a Resource Area or dredging of any amount in an Outstanding Resource Water (ORW). A copy and proof of the MassDEP Water Quality Certification pursuant to 314 CMR 9.00 is attached to the NOI.
- This project is a Combined Permit Application for 401 Dredging and Restoration (BRP WW 26).

MassDEP Wetlands Restriction Order

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)?

- Yes No

Department of Conservation and Recreation

Office of Dam Safety

- For Dam Removal Projects, obtain a written determination from the Department of Conservation and Recreation Office of Dam Safety that the dam is not subject to the jurisdiction of the Office under 302 CMR 10.00, a written determination that the dam removal does not require a permit under 302 CMR 10.00 or a permit authorizing the dam removal in accordance with 302 CMR 10.00 has been issued.



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Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40 Required Actions (310 CMR 10.11) (cont.)

Areas of Critical Environmental Concern (ACECs)

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

Yes No

If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations).

Name of ACEC

Minimum Required Documents (310 CMR 10.12)

Complete the Required Documents Checklist below and provide supporting materials before submitting a Notice of Intent Application for an Ecological Restoration Project.

This Notice of Intent meets all applicable requirements outlined in for Ecological Restoration Projects in 310 CMR 10.12. Use the checklist below to ensure that all documentation is included with the NOI.

At a minimum, a Notice of Intent for an Ecological Restoration Project shall include the following:

- Description of the project’s ecological restoration goals;
- The location of the Ecological Restoration Project;
- Description of the construction sequence for completing the project;
- A map of the Areas Subject to Protection Under M.G.L. c. 131, § 40, that will be temporarily or permanently altered by the project or include habitat for Rare Species, Habitat of Potential Regional and Statewide Importance, eel grass beds, or Shellfish Suitability Areas.
- 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.) is attached with documentation methodology.
- List the titles and dates for all plans and other materials submitted with this NOI.

Prospect Street Culvert Emergency Repairs

a. Plan Title

BLM

b. Prepared by

2/5/24

c. Signed and Stamped by

1"=10'

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

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

Attach NOI Wetland Fee Transmittal Form.



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Appendix A: Ecological Restoration Limited Project Checklists

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

Minimum Required Documents (310 CMR 10.12)

Provided by MassDEP:

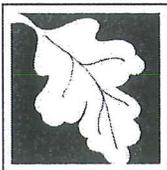
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- An evaluation of any flood impacts that may affect the built environment, including without limitation, buildings, wells, septic systems, roads or other man-made structures or infrastructure as well as any proposed flood impact mitigation measures;
- A plan for invasive species prevention and control;
- The Natural Heritage and Endangered Species Program written determination in accordance with 310 CMR 10.11(2), if needed;
- Any Time of Year restrictions and/or other conditions recommended by the Division of Marine Fisheries or the Division of Fisheries and Wildlife in accordance with 310 CMR 10.11(3), (4), (5), if needed;
- Proof that notice was published in the Environmental Monitor as required by 310 CMR 10.11(1);
- A certification by the applicant under the penalties of perjury that the project meets the eligibility criteria set forth in 310 CMR 10.13;
- If the Ecological Restoration Project involves the construction, repair, replacement or expansion of infrastructure, an operation and maintenance plan to ensure that the infrastructure will continue to function as designed;
- If the project involves dredging of 100 cubic yards or more or dredging of any amount in an Outstanding Resource Water, a Water Quality Certification issued by the Department pursuant to 314 CMR 9.00;
- If the Ecological Restoration Project involves work on a stream crossing, information sufficient to make the showing required by 310 CMR 10.24(10) for work in a coastal resource area and 310 CMR 10.53(8) for work in an inland resource area; and
- If the Ecological Restoration Project involves work on a stream crossing, baseline photo-points that capture longitudinal views of the crossing inlet, the crossing outlet and the upstream and downstream channel beds during low flow conditions. The latitude and longitude coordinates of the photo-points shall be included in the baseline data.
- This project is subject to provisions of the MassDEP Stormwater Management Standards. A copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) is attached.
- Provide information as to whether the project has the potential to impact private water supply wells including agricultural or aquacultural wells or surface water withdrawal points.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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

Certification that the Ecological Restoration Project Meets the Eligibility Criteria

I hereby certify under penalties of perjury that the Ecological Restoration Project Notice of Intent application does not meet the Eligibility criteria for an Ecological Restoration Order of Conditions set forth in 310 CMR 10.13, but does meet the Eligibility Criteria for a Ecological Restoration Limited Project set forth in 10.24(8) or 10.53(4) whichever is applicable. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.

Signature of Applicant or Authorized Agent

MICHAEL MAGLIO

Printed Name of Applicant or Authorized Agent

10/18/24

Date

The certification must be signed by the applicant; however, it may be signed by a duly authorized agent (named in Item 2) if this form is accompanied by a statement by the applicant designating the agent and agreeing to furnish upon request, supplemental information in support of the application.

Tel: (508) 520-4929

Fax: (508) 520 4906

Town of Franklin



Conservation Commission

February 5, 2024

Town of Franklin
Department of Public Work
257 Fisher Street
Franklin, MA 02038

RE: Emergency Authorization, Prospect Street Culvert Replacement

To Whom It May Concern,

Please consider this letter an after-the-fact emergency authorization approval for emergency culvert replacement work at the Prospect Street culvert starting December 29, 2023. An email request was made on December 29, 2023 by Robert Cantoreggi, Department of Public Work Director, notifying the Conservation Department of the need for urgent culvert replacement due to recent storm surges. Due to the leave of the Conservation Agent at this time a written emergency authorization was never formally issued for this work. However an email response on December 29, 2023 to Robert Cantoreggi from Bryan Taberner, Department of Planning and Community Development Director, stated that the emergency authorization was granted to replace the aforementioned culvert.

Please consider this letter as the official emergency authorization. Please file an after-the-fact Notice of Intent with the Conservation Department at your earliest convenience.

If you have any questions, please feel free to contact me at 508-520-4929 or via email at bgoodlander@franklinma.gov.

Sincerely,

Breeka Li Goodlander, CWS, PWS, CERPIT
Conservation Agent/Natural Resource Protection Manager



Environmental Monitor Preview

Publish Date:02/23/2024

Environmental Notification Forms

EEA No.	Project Name	Municipality	Document Type	Comments Due	For Copies	MEPA Analyst
16796	Crescent Beach - Groin, Vanes, and Beach Nourishment	CHATHAM	ENF	03/28/2024	John Ramsey (508) 365-2900 jramsey@coastalengineer.us	Eva Vaughan, (857)408-6381, Eva.Vaughan@mass.gov
16797	Crowley Road Wellfield	STERLING	ENF	03/14/2024	David Harwood (978) 679-1600 dgharwood@verdantas.com	Alexander Strysky, (857)408-6957, alexander.strysky@mass.gov
16798	Lincoln Woods Wastewater Treatment Plant Expansion	LINCOLN	ENF	03/14/2024	Edward Whately (401) 808-8312 edward.whately@wright-pierce.com	Nicholas Perry, (617)921-2961, Nicholas.Perry@mass.gov
16799	Nauset Estuary Targeted Watershed Management Plan	EASTHAM	EENF	04/01/2024	Jessica Janney (774) 470-1636 jessica.janney@ghd.com	Alexander Strysky, (857)408-6957, alexander.strysky@mass.gov
16800	3 Corn Hill Path	TRURO	EENF	04/22/2024	Jenifer Leighton (508) 255-6511 jleighton@tighebond.com	Nicholas Perry, (617)921-2961, Nicholas.Perry@mass.gov
16801	Yankee Doodle Bike Path	BILLERICA	EENF	03/25/2024	Stephanie Krueel (617) 607-2972 skrueel@vhb.com	Eva Vaughan, (857)408-6381, Eva.Vaughan@mass.gov

Projects Submitted - Site Visits

EEA	Project	Municipality	Meeting Date	Meeting	Location
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	ment				eng.com	
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Projects Under Review - Special Review Procedure Request

EEA No.	Project Name	Municipality	Document Type	Comments Due	For Copies	MEPA Analyst
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Secretary's Certificates - Environmental Notification Forms

EEA No.	Project Name	Municipality	Document Type	Action	Action Date
16781	Sediment and Riparian Soil Removal – Turnpike Lake	PLAINVILLE	ENF Cert	Does not require an Environmental Impact Report	02/09/2024
16783	Holden Salisbury Pine Tree Subdivision	HOLDEN	ENF Cert	Does not require an Environmental Impact Report	02/09/2024

Secretary's Certificates - Environmental Impact Reports

EEA No.	Project Name	Municipality	Document Type	Action	Action Date
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Secretary's Certificates - Notices of Project Change

EEA No.	Project Name	Municipality	Document Type	Action	Action Date
11085R	South Weymouth Naval Air Station Redevelopment Project	ABINGTON, ROCKLAND, WEYMOUTH	NPC Cert	Requires an Environmental Impact Report	02/09/2024

Secretary's Certificates - Records of Decision

EEA No.	Project Name	Municipality	Document Type	Comments Due	Action	Action Date
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Secretary's Certificates - Special Review Procedures

EEA No.	Project Name	Municipality	Document Type	Action	Action Date
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Secretary's Certificates - Public Benefits Determinations

EEA No.	Project Name	Municipality	Document Type	Action	Action Date
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Secretary's Certificates - Advisory Opinions

EEA No.	Project Name	Municipality	Action	Action Date
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Requests for Advisory Opinions

Project Name	Municipality	Comments Due	MEPA Analyst
Request for Advisory Opinion Nantucket Steamship Authority	BOURNE	03/15/2024	Tori Kim, (857)207-2996, tori.kim@mass.gov

Public Notices

Notice Type	Municipality	Agency
Notice of Application for a 401 Water Quality Certificate-	Orange	MassDEP

Notice of Application for a Chapter 91 Waterways License-	Boston	MassDEP
Notice of Application for a 401 Water Quality Certificate-	Heath	MassDEP
Notice of Application and Issuance of a Draft Groundwater Discharge Permit-	Acton	MassDEP
Notice of Submission of a Yearly Operational Plan-	Attleboro	MDAR
Notice of Application for a 401 Water Quality Certificate-	Pepperell	MassDEP
Notice of Request for a Site Examination-	Lanesborough	MassDEP
Notice of Application for a 401 Water Quality Certificate-	Ware	MassDEP
Notice of Intent to Initiate an Ecological Restoration Project-	Franklin	Conservation Commission
Notice of Intent to Initiate an Ecological Restoration Project-	Franklin	Conservation Commission
Notice of Federal Consistency Review-	Westport Somerset	CZM
Notice of Submission of a Yearly Operational Plan-	Abington Canton Holbrook New Bedford Wareham Acushnet Carver Kingston Norfolk Weymouth Avon Dartmouth Marion Plymouth Whitman Bellingham Duxbury Marshfield Randolph Woburn Braintree Fairhaven Mattapoissett Sharon Brockton Franklin Medway Stoughton Burlington Freetown Millis Walpole	MDAR

Section C – Project Narrative

Project Description:

This Notice of Intent (NOI) is being filed with the Franklin Conservation Commission for the construction associated with an emergency culvert repair under Prospect Street. The Project Location Map shows the location of the culvert.

All of the proposed work is located within the 100-foot Wetlands Buffer Zone, as well as the 200-foot Riverfront Area.

In accordance with Section 10.53(3)(k) of the Wetlands Protection Act Regulations, this project qualifies as a Limited Project due to the project falling under, “*The routine maintenance and repair of road drainage structures including culverts and catch basins, drainage easements, ditches, watercourses and artificial water conveyances to insure flow capacities which existed on the effective date of 310 CMR 10.51 through 10.60 (April 1, 1983).*”

The need for the emergency work on the culvert is outlined below in addition to a description of the existing and final conditions, work completed within the resource areas, and measures taken to minimize construction impacts.

Site Background:

The culvert is located under Prospect Street in Franklin approximately 570 feet north of Lake Street in Bellingham. The culvert was a 3-sided 3.5 foot x 5 foot stone box culvert with an inlet side stone headwall and an outlet side granite headwall. Drainage from surrounding areas contribute to the “pond” located at the inlet side of the culvert which conveys an unnamed stream under Prospect Street.

It is assumed that the culvert under Prospect Street was initially installed during the construction of the roadway, sometime in the 1860’s. According to records, a portion of the roadway was relocated and widened in 1942. During the relocation/widening the inlet side of the culvert was extended.

The existing stone box culvert has had an increasing number of issues with blockages and beaver activity over the past couple of years. Excessive rain on Sunday/Monday, December 10-11, 2023 had raised the water level and caused excessive debris to block the inlet. Upon trying to clear the blockage, a portion of the stone walls of the culvert started to collapse. A second excessive rain event from Sunday/Monday, December 17-18, 2023 caused additional damage which started to erode the embankment at the edge of the road pavement. Construction barrels were placed at the edge of the road on the upstream to narrow the pavement and keep vehicles away from the eroded edge.

Blue Diamond was contacted on Wednesday, December 20, 2023 about the condition of the culvert and was on site to inspect it on Thursday, December 21, 2023.

Continued erosion caused the undermining of the roadway pavement and the road was reduced to one lane of traffic on Friday, December 22, 2023 with jersey barriers placed to keep vehicles away from the undermined pavement.

Director of Planning and Community Development, Bryan Taberner was notified on Friday, December 22, 2023 that the culvert was failing and that the DPW needed to perform emergency work to stabilize the roadway.

The DPW coordinated with Blue Diamond Equipment, their on-call contractor, who mobilized to the site on Tuesday December 26, 2023. Blue Diamond removed more debris blocking flow through the culvert, stabilized the slope near the inlet, and excavated the headwall on Wednesday, December 27. Materials were delivered on site and site preparations were completed on December 28-29.

The road was closed, cofferdams were installed and the site was dewatered to allow for safe work on Tuesday, January 2, 2024. Excavation began on the inlet side and it was observed that the entirety of the structure was degrading and then was determined that the entire culvert required replacement.

On January 4 and 5, 6 lengths (48 feet total) of 48-inch Class V reinforced concrete pipe (RCP) were installed. From Monday, January 8 through Wednesday, January 10 the slopes were stabilized with rip-rap and granite pieces, and a binder course and top course were paved. The roadway was opened to traffic again on the morning of Thursday, January 11, 2024.

Approximately 117.5 linear feet of bank was impacted and 3125 square feet of wetland buffer zone and riverfront area was impacted; all areas were restored at the end of construction. This area is previously developed and the completed work improves existing conditions.

Existing Conditions:

Work was completed in the Franklin public right-of-way. The area impacted by the project was approximately 62 feet by 50 feet.

A formal wetland delineation was not conducted due to the emergency nature of the project. Franklin GIS records and record plans were utilized for all drawings and field limits.

Final Outcome:

The Franklin DPW was in communication with the Conservation Commission throughout the process. The culvert was replaced quickly without event, and reopened to traffic. This project hopefully removes a recurrent flooding issue, eliminated a safety concern, and prevented a more imminent closure of this high trafficked area.

Ecological Restoration Limited Project:

Site constraints were considered in working to meet stream crossing guidelines. The repair of this culvert will naturally assist in the operation and maintenance of this piece of infrastructure. As the culvert was previously degrading, objects continued to get caught on the inlet side opening and catch throughout the box culvert. The culvert will be placed on the utility maintenance list for typical monitoring and will also be checked for any blockages following large storm events or following observations of high water level.

Sizing Calculations:

In order to determine the size of the new replacement culvert, both the capacity of the original culvert was assessed and the flows from the contributing drainage area were analyzed.

	Original Culvert	Replacement Culvert
Size	5x3.5 ft 3-sided box culvert	48-inch reinforced concrete pipe
Slope (ft/ft)	0.049	0.01
Velocity (ft/s)	12.1	11.5
Flow (cfs)	212	144

Flow Capacity of the Original Culvert

The original three-sided 5 feet wide x 3.5 feet high stone box culvert had a stony earth bottom with cobbles and a slope of 4.9%. Using Manning's Equation for open channel flow, the capacity of the original stone box culvert was found to be approximately 212 cfs (cubic feet per second). We note that over time the condition of the original culvert had degraded and partial blockages due to collapsed stones and debris had significantly reduced the culvert's capacity.

Width (W) = 5 ft

Height (H) = 3.5 ft

Area (A) = 17.5 ft²

Slope (s) = 4.9%, 0.049 ft/ft

Wetted Perimeter (WP) = 12 ft

Manning's value (n), gravelly = 0.035

$$V = \left(\frac{k}{n}\right) \left(\frac{A}{WP}\right)^{2/3} \sqrt{s}$$

$$V = \left(\frac{1.49}{0.035}\right) \left(\frac{17.5}{12}\right)^{2/3} \sqrt{0.049}$$

$$V = 12.1 \text{ ft/s}$$

$$Q = AV = (17.5)(12.1)$$

$$Q = 212 \text{ cfs}$$

Design Flow for the Culvert Crossing

In accordance with the MassDOT's recommended design frequency for arterials, the replacement culvert was designed to accommodate a 50-year design storm. The design flow for the culvert replacement was calculated using the USGS (Wandle) Method, MassDOT's preferred hydrologic method for sizing stream culverts. For an ungaged stream site in eastern Massachusetts with a contributing area of 816 acres, the 50-year design flow at the proposed culvert crossing was calculated to be 138 cfs.

Area (A) = 816 acres = 1.28 square miles

$$Q_{50} = 118.1A^{0.645}$$

$$Q_{50} = 118.1(1.28^{0.645})$$

$$Q_{50} = 138 \text{ cfs}$$

Flow Capacity for the Replacement Culvert

In determining the size and material for the replacement culvert, the emergency nature of the work and the availability of materials were taken into consideration and a 48-inch diameter reinforced concrete pipe (RCP) was chosen. Again using Manning's Equation for open channel flow, the capacity of the 48-inch RCP set at a 1% slope was calculated to be 144 cfs, which is appropriate for the 50-year design flow of 138 cfs.

Diameter (D) = 48 in = 4 ft

Area (A) = 12.57 ft²

Slope (s) = 1%, 0.01 ft/ft

Wetted Perimeter (WP), assume full capacity = 12.57 ft

Manning's value (n), reinforced concrete pipe = 0.013

$R_h = A/WP$

$$Q = \left(\frac{k}{n}\right) (A)(R_h^{\frac{2}{3}})\sqrt{s}$$

$$Q = \left(\frac{1.49}{0.013}\right) (12.57)(1^{\frac{2}{3}})\sqrt{0.01}$$

$$Q = 144 \text{ cfs}$$

$$V = Q/A = 144/12.57$$

$$V = 11.5 \text{ ft/s}$$

144 cfs pipe capacity \geq 138 cfs design flow

Section D – Functions and Characteristics Statement:

The proposed project will not result in any significant individual or cumulative adverse affect to the following functions and characteristics of the resource areas:

1. **Public Water Supplies** – The watershed for this site is located within a Zone II wellhead protection area, however, there is no impervious surface being added to the site and no increase to the stormwater pollutant load.
2. **Private Water Supplies** – The surrounding area is serviced by private wells, however, conditions shall remain the same as originally designed.
3. **Groundwater** – No operations will affect groundwater for this proposed project.
4. **Flood Control** – This project will improve flood control.
5. **Erosion and Sedimentation** – Slopes were stabilized with rip-rap throughout the construction process which will be maintained following construction.
6. **Storm Damage Prevention** – This project will improve storm damage prevention.
7. **Water Quality** – This project will improve water quality by reducing upstream flooding and stabilizing the culvert outlet.
8. **Water Pollution Control** – No additional pollutant loading is being added to the site.
9. **Fisheries** – Not applicable.
10. **Shellfish** – Not applicable.
11. **Wildlife Habitat** – No clearing occurred on-site.
12. **Rare Species Habitat** – The site is not located within a natural heritage program estimated or priority habitat area.
13. **Agriculture** – There are no farms and farming activities in the immediate area.
14. **Aquaculture** – Not applicable.
15. **Recreation** – Not applicable.

Section E – Vernal Pool Statement

According to the MassGIS website, there are no registered or potential vernal pools within or adjacent to the limits of work.

Section F – Abutter Notification

- Notification to Abutters (Form 4)
- Affidavit of Service (Form 5)
- Certified Abutters List from Assessor's

Town of Franklin Conservation Commission

NOTIFICATION TO ABUTTERS

Under the Massachusetts Wetlands Protection Act And The Franklin Wetlands Protection Bylaw

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following proposed project:

The Town of Franklin, Department of Public Works has filed a Notice of Intent with the Franklin Conservation Commission for Emergency Culvert Repairs on the Prospect Street Culvert located under Prospect Street, under the Wetlands Protection Act (M.G.L c.131 §40).

Copies of the Notice of Intent may be examined by contacting the Town of Franklin Department of Public Works located at 257 Fisher Street, Franklin, MA (508) 553-5500 or by contacting the Franklin Conservation Department located at 355 East Central Street, Franklin, MA, (508) 520-4929.

Notice of the public hearing including the date, time, and place will be published at least five (5) days in advance in the Milford Daily News.

Notice of the public hearing including the date, time, and place will be posted in the Franklin Town Hall at least forty eight (48) hours in advance of the public hearing.

The public hearing will be held on Thursday, November 14, 2024, at 7pm, in person and via Zoom, and can be accessed through the Conservation Commission agenda for that night, which will be posted on the Town's website 48 hours prior to the meeting. Please call the Conservation Department at (508) 520-4929 if you have any questions.

You may also contact the Massachusetts Department of Environmental Protection, Central Regional Office, Worcester, MA at (508) 792-7650.

Section G – Maps:

- USGS Topographic Map
- Natural Heritage Priority Habitat and Estimated Habitat Maps
- FEMA Flood Plain Map



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

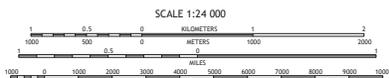
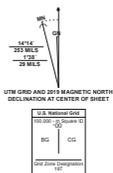


FRANKLIN QUADRANGLE
MASSACHUSETTS - RHODE ISLAND
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84), Projection and
1 000-meter geotriangular Transverse Mercator, Zone 19T
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

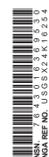
Imagery: NIPR, July 2016 - September 2016
Roads: U.S. Census Bureau, 2016 - 2018
Names: National Hydrography Dataset, 2004 - 2015
Contours: National Elevation Dataset, 2012
Boundaries: Multiple sources; see metadata file 2016 - 2017
Wetlands: FWS National Wetlands Inventory 1992 - 2010



1	2	3
4	5	6
7	8	9

ALPHABETIC QUADRANGLES

FRANKLIN, MA, RI
2021



National Flood Hazard Layer FIRMette

71°27'36"W 42°43'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, 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

- Area of Minimal Flood Hazard *Zone X*
- Effective LOMR
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES

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

CROSS SECTIONS WITH 1% ANNUAL CHANCE WATER SURFACE ELEVATION

- 20.2
- 17.5
- 8
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study

OTHER FEATURES

- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

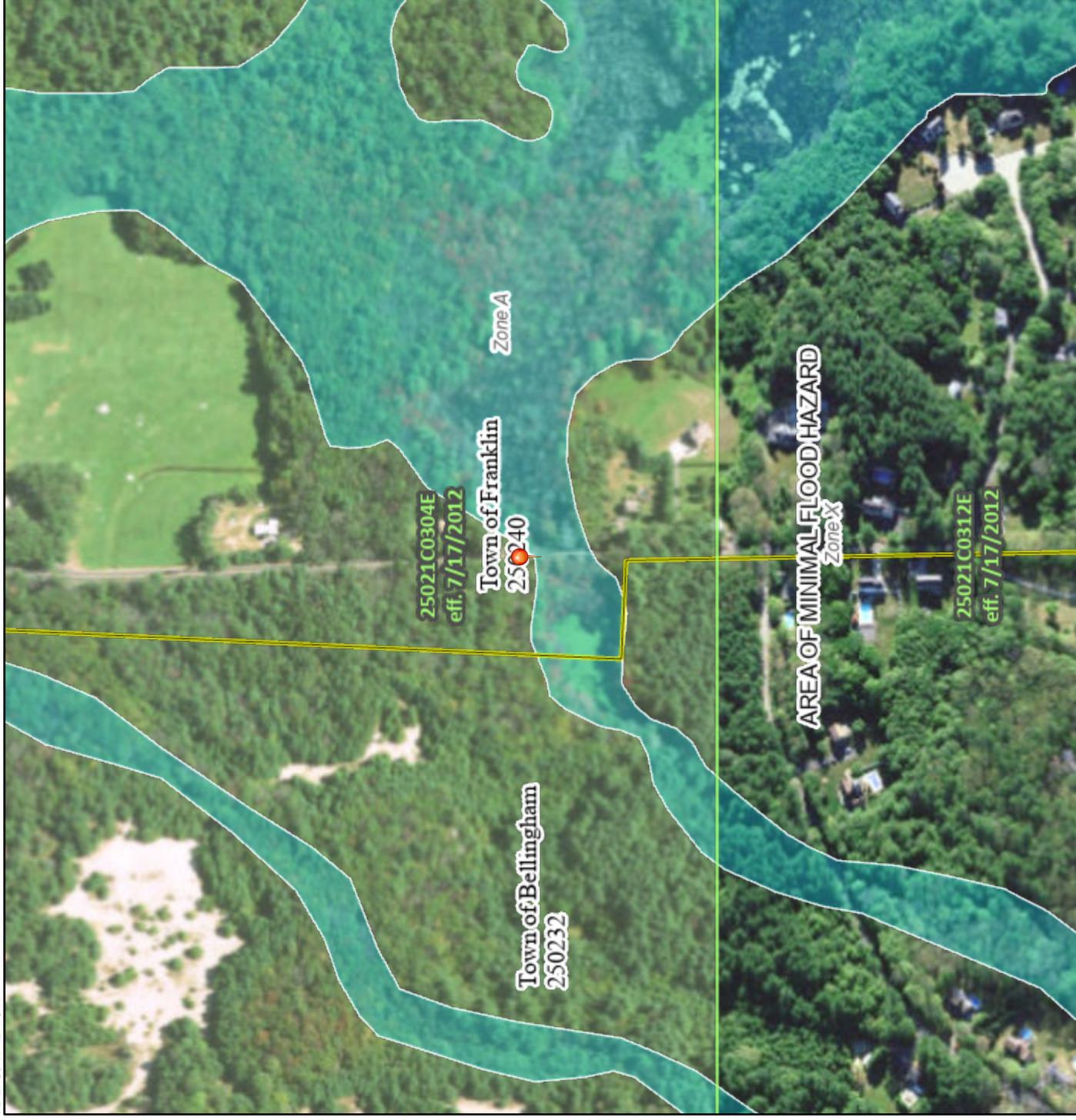


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 1/8/2024 at 11:49 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.



71°26'59"W 42°3'36"N

Section H – MassDEP Data Forms

Wetland resource area boundaries for this project were determined via the Town of Franklin GIS records.

Section I – Erosion & Sedimentation Control Plan:

Construction was expedited to minimize the amount of time this area was destabilized. Rip-rap and filter fabric were used throughout the project to stabilize inlet/outlet slopes and more permanent granite stones and rip-rap were utilized to stabilize slopes at the conclusion of construction.

The site was swept clean daily and no fueling was done on-site. To maintain normal stream flows during construction, pumps and bypass piping was installed through stone in the cofferdam and just outside of the cofferdam to immediately downstream of the work area. Materials were placed at the outlets to dissipate some of the velocity of the water flowing through the pump.

Section J – Alternatives Analysis:

No Build –The culvert and roadway would have collapsed causing long term safety, flooding, and traffic issues. The cost and time of disturbance to the surrounding area and public would have increased.

Replace half of the culvert – The culvert and roadway would have eventually collapsed causing long term safety, flooding, and traffic issues. The cost for remobilization and the time and disturbance would have increased.

Replace Culvert – The roadway was closed for a short period of time but the culvert was replaced eliminating existing safety and flooding issues, and construction was accelerated to reduce the time of disturbance.

Section K – Mitigation Plan:

The project does not propose to permanently alter or fill any previously undisturbed wetlands.

Section L – Replication Plan & Protocol:

The project does not propose to permanently alter or fill any previously undisturbed wetlands.

Section M – Construction Sequence and Schedule:

The following sequence occurred during the emergency work on the Prospect Street Culvert:

1. Notified Conservation Commission that the culvert was failing and emergency work to stabilize the roadway was required.
2. Install cofferdams on inlet and outlet sides, use pumps as bypass to maintain flow.
3. Excavate roadway and remove existing culvert.
4. Install 48 feet of 48-inch Class V Reinforced Concrete Pipe (RCP).

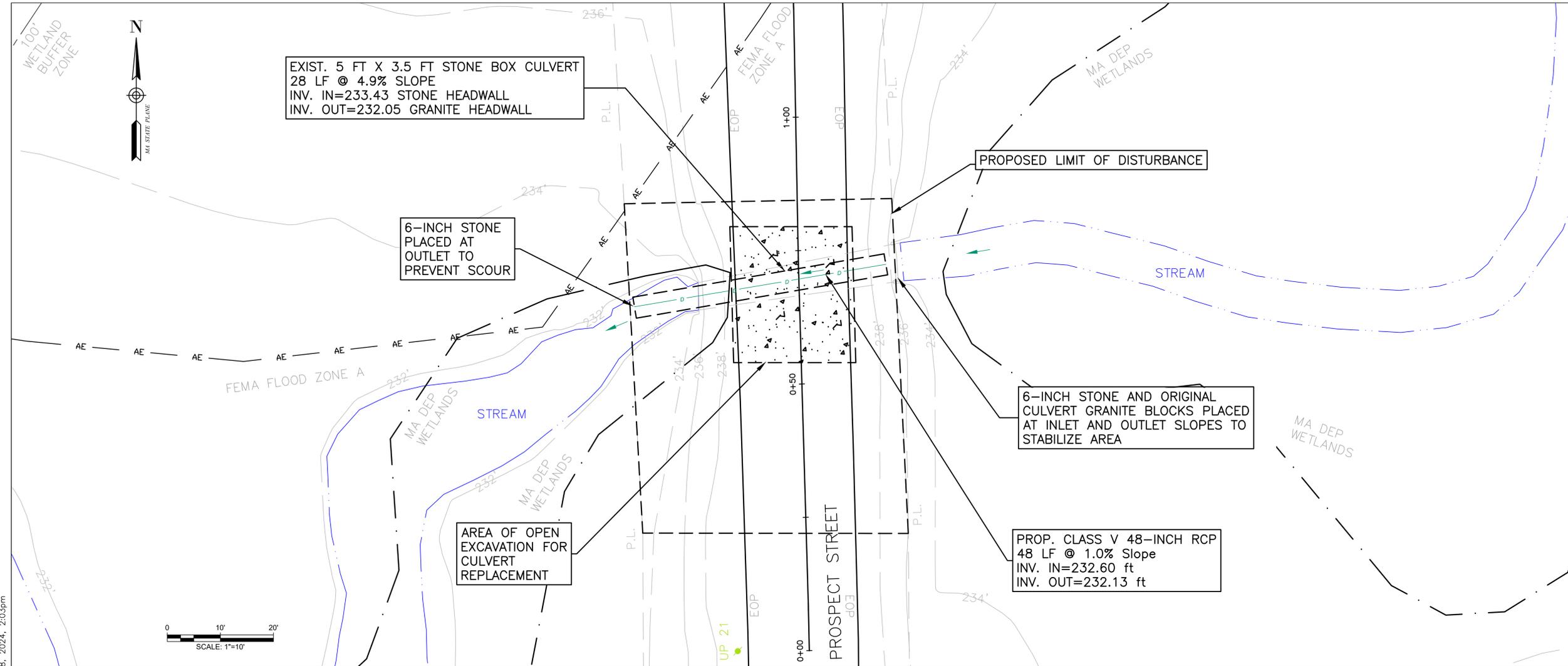
5. Stabilize slopes with 6-inch stone and granite, remove cofferdams to resume flow.
6. Pave roadway with a binder and top course.
7. Reopen roadway to traffic.
8. Notify Conservation Commission of completion of work.

Section N – Drainage Calculations:

Stormwater Management Standards do not apply to “Emergency repairs to roads or their drainage systems” as noted in Volume 1, Chapter 1 of the Massachusetts Stormwater Handbook and 310 CMR 10.05 (6)(l)

Section O – Plans:

- Site Plan
- Site Photos

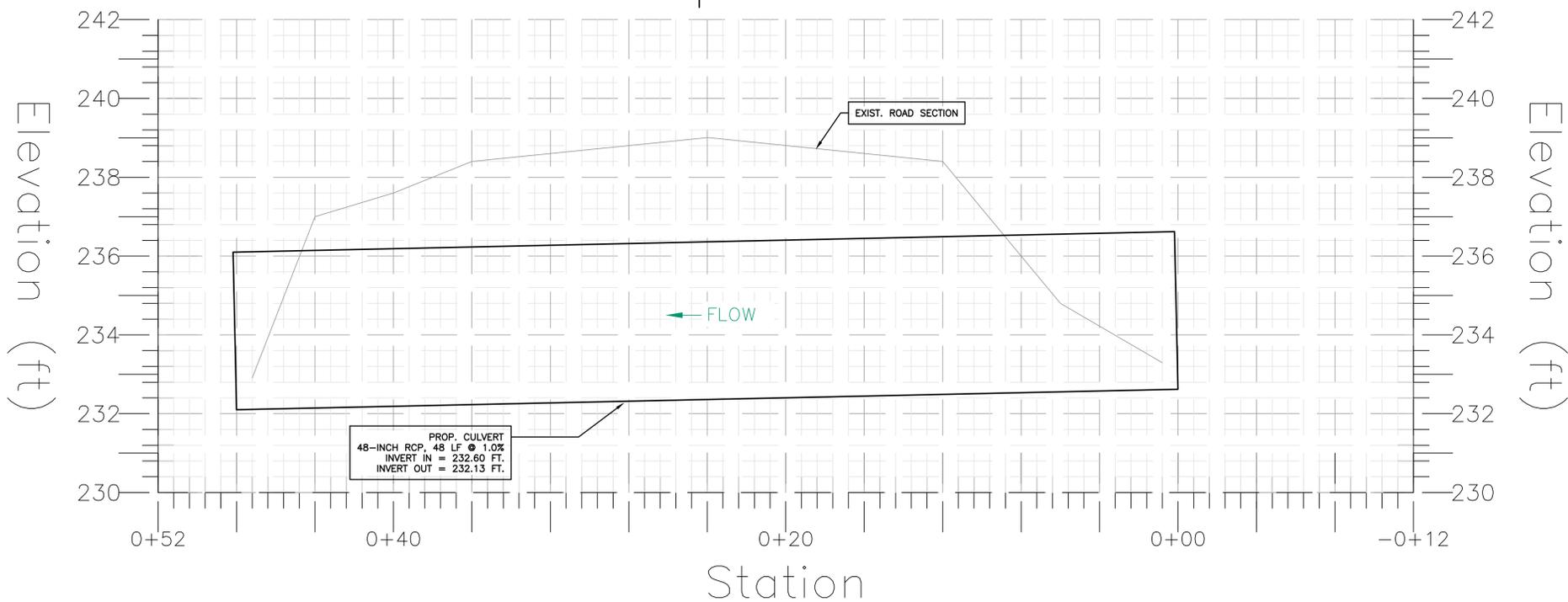


LEGEND:

---	LIMIT OF DISTURBANCE
---	EXIST. CONTOURS
---	EXIST. PROPERTY LINE
---	EXIST. WATER FEATURE
---	EXIST. EDGE OF PAVEMENT
---	EXIST. ROAD CENTERLINE
---	EXIST. CULVERT
---	PROPOSED CULVERT
---	MA DEP WETLANDS
---	100' WETLANDS BUFFER
---	200' RIVERFRONT BUFFER
---	AE
---	FEMA FLOOD ZONE A

NOTE: 100-FOOT WETLANDS BUFFER & 200-FOOT RIVERFRONT BUFFER NOT VISIBLE BUT ENCOMPASS ENTIRE AREA.

Profile View of Prop. 48-inch RCP Culvert



NOTES:

- ALL BASE MAP FEATURES SHOWN WERE COMPILED USING AVAILABLE RECORD PLANS AND FRANKLIN GIS RECORDS AND ARE APPROXIMATE ONLY.
- CONTRACTOR CONTACTED DIG-SAFE PRIOR TO STARTING WORK.
- EXISTING DATUM ELEVATIONS SHOWN ARE BASED ON TOWN OF FRANKLIN GIS DATA.
- MECO UTILITY POLE #21 (SOUTH OF CULVERT) = STA. 0+00

SCOPE OF WORK:

- CONSERVATION COMMISSION WAS NOTIFIED OF FAILING CULVERT AND NECESSITY OF EMERGENCY WORK.
- INSTALLED COFFERDAMS TO ISOLATE EXISTING CULVERT.
- PUMPED WATER DOWNSTREAM TO BYPASS THE CULVERT USING HOSES ENTRENCHED ACROSS ROADWAY.
- EXCAVATED ROADWAY AND REMOVED EXISTING CULVERT.
- GRADED AND COMPACTED BASE, INSTALLED 48 FT OF 48-INCH CLASS V RCP.
- STABILIZED INLET/OUTLET SLOPES USING 6-INCH STONE AND GRANITE, REMOVED COFFERDAMS TO RESUME FLOW.
- PAVED EXISTING ROADWAY W/ 2-INCH BINDER COURSE & 1.5-INCH TOP COURSE.
- RE-OPENED ROADWAY TO TRAFFIC.
- NOTIFIED CONSERVATION COMMISSION OF COMPLETION OF WORK.

REFERENCES:

- AXISGIS.COM/FRANKLINMA CONTOUR MAP

Note: Profile view is not to scale.

		ENGINEERING DIVISION TOWN OF FRANKLIN DEPARTMENT OF PUBLIC WORKS	
		PROSPECT ST CULVERT EMERGENCY REPAIRS	
PROJECT MANAGER	DATE	REVISED	SHEET
MM	10/11/24	-	1
DESIGNER	DRAWN BY	REV BY	OF
EG	EG	BM	1

S:\DPW_Engineering\Projects\Prospect St Culvert Replacement Near Lake St 2024\Plans\Prospect Culvert 2024.dwg Oct 18, 2024, 2:03pm

Prospect St Culvert - Site Photos



Photo 1 – Existing Inlet Side (Google Maps September 2023)



Photo 2 – Existing Inlet Side 12/20/23



Photo 3 – Existing Inlet Side Prior to Closure 12/26/23



Photo 4 – Inlet Side – Final Collapsed Stone Removed 12/27/23



Photo 5 – Inlet New Pipe Installation Progress 1/4/24



Photo 6 – Inlet New Pipe Buried 1/5/24



Photo 7 – Outlet Progress on Slope 1/9/24



Photo 8 – Outlet Following Large Storm w/ Melt 1/10/24



Photo 9 – Inlet During Typical Flow Conditions 1/11/24