

**Commonwealth of Massachusetts**  
**Executive Office of Energy and Environmental Affairs**  
**Massachusetts Environmental Policy Act (MEPA) Office**

**Environmental Notification Form**

*For Office Use Only*

EEA#: 14878

MEPA Analyst: Nicholas Zavolas

*The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.*

Project Name: Bournes Pond Improvements

Street Address: Menauhant Road

Municipality: Falmouth

Watershed: Cape Cod

Universal Transverse Mercator Coordinates:

Latitude: 41°32'59.38"

Longitude: 70°33'19.84"

Estimated commencement date: TBD

Estimated completion date: TBD

Project Type: Culvert Replacement

Status of project design: 10 %complete

Proponent: Town of Falmouth, c/o Julian Suso, Town Manager

Street Address: 59 Town Hall Square

Municipality: Falmouth

State: MA

Zip Code: 02540

Name of Contact Person: Neal Price

Firm/Agency: Horsley Witten Group, Inc.

Street Address: 90 Route 6A

Municipality: Sandwich

State: MA

Zip Code: 02563

Phone: (508) 833-6600

Fax: (508) 833-3150

E-mail:

nprice@horsleywitten.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?

☒ Yes ☐ No

If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:

a Single EIR? (see 301 CMR 11.06(8))

☐ Yes ☐ No

a Special Review Procedure? (see 301 CMR 11.09)

☐ Yes ☐ No

a Waiver of mandatory EIR? (see 301 CMR 11.11)

☒ Yes ☐ No

a Phase I Waiver? (see 301 CMR 11.11)

☐ Yes ☐ No

(Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)

Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)?

**11.03(3)(a)(1)(a & b) and 11.03(3)(b)(1)(a & f)**

Which State Agency Permits will the project require? 401 Water Quality Certification, Ch. 91 Waterways License

Identify any financial assistance or land transfer from an Agency of the Commonwealth, including the Agency name and the amount of funding or land area in acres:

Summary of Project Size & Environmental Impacts	Existing	Change	Total
<b>LAND</b>			
Total site acreage (work limits)	2.05		
New acres of land altered		2.05	
Acres of impervious area	0.15	0	0.15
Square feet of new bordering vegetated wetlands alteration		0	
Square feet of new other wetland alteration		1.89	
Acres of new non-water dependent use of tidelands or waterways		0	
<b>STRUCTURES</b>			
Gross square footage	N/A	N/A	N/A
Number of housing units	N/A	N/A	N/A
Maximum height (feet)	N/A	N/A	N/A
<b>TRANSPORTATION</b>			
Vehicle trips per day	N/A	N/A	N/A
Parking spaces	N/A	N/A	N/A
<b>WASTEWATER</b>			
Water Use (Gallons per day)	N/A	N/A	N/A
Water withdrawal (GPD)	N/A	N/A	N/A
Wastewater generation/treatment (GPD)	N/A	N/A	N/A
Length of water mains (miles)	N/A	N/A	N/A
Length of sewer mains (miles)	N/A	N/A	N/A
Has this project been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No			
Has any project on this site been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No			

## **GENERAL PROJECT INFORMATION – all proponents must fill out this section**

### **PROJECT DESCRIPTION:**

Describe the existing conditions and land uses on the project site: The project site is comprised of a barrier beach separating Bournes Pond, to the north, from Vineyard Sound, to the south. A local roadway, Menauhant Road, traverses the barrier beach and southern boundary of the pond. A 50-foot bridge provides for passage beneath the road of tidal flow between Bournes Pond and the Atlantic Ocean. Two parking lots about the southern side of Menauhant Road and are used for the beach operated by the Town of Falmouth. There are man-made Coastal Banks associated with the tidal passage that are lined with rip rap, as is the opening to Bournes Pond. The areas surrounding the pond are comprised of residential neighborhoods. A small network of cranberry bogs are located at the northernmost point of the pond, far from the proposed project site. Of note, Bournes Pond is listed on the Massachusetts Year 2010 List of Integrated Waters (303(d) List) as being an impaired water body with total maximum daily loads (TMDLs) developed for both nutrients and pathogens.

Describe the proposed project and its programmatic and physical elements: The Town of Falmouth proposes to augment the existing 50-foot bridge along Menauhant Road at the opening to Bournes Pond with an additional 50-foot wide bridge, or similar structure(s) to total 100-feet of passage width. The augmentation of the existing passage will increase tidal flushing within Bournes Pond and its associated resource areas, enhancing the habitat functions and values of the area as well as ultimately improving water quality within Bournes Pond. Of note, Bournes Pond is listed on the Massachusetts Year 2010 List of Integrated Waters (303(d) List) as being an impaired water body with total maximum daily loads (TMDLs) developed for both nutrients and pathogens. A portion of the proposed restoration work will result in temporary impacts to Barrier Beach, Land Under the Ocean, Coastal Bank, Land Subject to Coastal Storm Flowage, and the buffer zones to Coastal Bank and Coastal Dune.

*NOTE: The project description should summarize both the project's direct and indirect impacts (including construction period impacts) in terms of their magnitude, geographic extent, duration and frequency, and reversibility, as applicable. It should also discuss the infrastructure requirements of the project and the capacity of the municipal and/or regional infrastructure to sustain these requirements into the future.*

Describe the on-site project alternatives (and alternative off-site locations, if applicable), considered by the proponent, including at least one feasible alternative that is allowed under current zoning, and the reasons(s) that they were not selected as the preferred alternative: The purpose of this project is to replace the existing tidal passage beneath Menauhant Road in order to improve water quality, habitat, and ecological functions of Bournes Pond. Due to the project purpose, alternative locations are not feasible. A range of culvert sizes were evaluated for the restoration. The current proposal was determined to provide the optimal balance of tidal flow and cost-effectiveness.

*NOTE: The purpose of the alternatives analysis is to consider what effect changing the parameters and/or siting of a project, or components thereof, will have on the environment, keeping in mind that the objective of the MEPA review process is to avoid or minimize damage to the environment to the greatest extent feasible. Examples of alternative projects include alternative site locations, alternative site uses, and alternative site configurations.*

Summarize the mitigation measures proposed to offset the impacts of the preferred alternative: The primary purpose of this project is to restore and improve the water quality to Bournes Pond. The ultimate restoration of this area will serve as mitigation for any temporary impacts incurred at the time of construction.



If the project is proposed to be constructed in phases, please describe each phase:  
This project will not be phased.

**AREAS OF CRITICAL ENVIRONMENTAL CONCERN:**

Is the project within or adjacent to an Area of Critical Environmental Concern?

☐ Yes (Specify \_\_\_\_\_)  
☒ No

If yes, does the ACEC have an approved Resource Management Plan? \_\_\_\_ Yes X No;  
If yes, describe how the project complies with this plan.

Will there be stormwater runoff or discharge to the designated ACEC? \_\_\_\_ Yes X No;

If yes, describe and assess the potential impacts of such stormwater runoff/discharge to the designated ACEC.

**RARE SPECIES:**

Does the project site include Estimated and/or Priority Habitat of State-Listed Rare Species? (see [http://www.mass.gov/dfwele/dfw/nhesp/regulatory\\_review/priority\\_habitat/priority\\_habitat\\_home.htm](http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/priority_habitat/priority_habitat_home.htm))

☒ Yes (Specify: Species Information Request to be sent during Permitting Phase ) ☐ No

**HISTORICAL /ARCHAEOLOGICAL RESOURCES:**

Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

☐ Yes (Specify \_\_\_\_\_) ☒ No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? ☐ Yes (Specify \_\_\_\_\_) ☐ No

**WATER RESOURCES:**

Is there an Outstanding Resource Water (ORW) on or within a half-mile radius of the project site? \_\_\_\_ Yes X No;  
if yes, identify the ORW and its location. \_\_\_\_\_

*(NOTE: Outstanding Resource Waters include Class A public water supplies, their tributaries, and bordering wetlands; active and inactive reservoirs approved by MassDEP; certain waters within Areas of Critical Environmental Concern, and certified vernal pools. Outstanding resource waters are listed in the Surface Water Quality Standards, 314 CMR 4.00.)*

Are there any impaired water bodies on or within a half-mile radius of the project site? X Yes \_\_\_\_ No; if yes, identify the water body and pollutant(s) causing the impairment Bournes Pond – Nutrients and Pathogens (2010 Massachusetts' 303(d)List of Impaired Waters.

Is the project within a medium or high stress basin, as established by the Massachusetts Water Resources Commission? \_\_\_\_ Yes X No

**STORMWATER MANAGEMENT:**

Generally describe the project's stormwater impacts and measures that the project will take to comply with the standards found in MassDEP's Stormwater Management Regulations: The intent of this project is to increase tidal flushing by installing appropriately sized bridges or other conveyances. Opportunities for stormwater management improvements will be assessed during the project design phase. As a restoration project, the standard of stormwater management improvement is to the maximum extent practicable.

**MASSACHUSETTS CONTINGENCY PLAN:**

Has the project site been, or is it currently being, regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes \_\_\_\_ No X ; if yes, please describe the current status of the site (including Release Tracking Number (RTN), cleanup phase, and Response Action Outcome classification): NO ;