

Commonwealth of Massachusetts
Executive Office of Environmental
Affairs ■ MEPA Office

ENF Environmental Notification Form

For Office Use Only Executive Office of Environmental Affairs
EOEA No.: 13510
MEPA Analyst: Aisling Eglinton
Phone: 617-626-1024

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Jericho Road Hazard Mitigation Project		
Street: #142, 147 & 149 Jericho Road		
Municipality: Scituate	Watershed: South Coastal	
Universal Transverse Mercator Coordinates: Easting: 357748M, Northing: 4674179M	Latitude: 42° 12' 24.64" Longitude: 70° 43' 23.57"	
Estimated commencement date: 9/2005	Estimated completion date: 6/2006	
Approximate cost: \$312,800	Status of project design: 100	%complete
Proponent: Town of Scituate Department of Public Works		
Street: 600 Chief Justice Cushing Highway		
Municipality: Scituate	State: MA	Zip Code: 02066
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Matthew Lundsted		
Firm/Agency: Comprehensive Environmental Inc.	Street: 64 Dilla Street	
Municipality: Milford	State: MA	Zip Code: 01757
Phone: 800-725-2550	Fax: 800-331-0892	E-mail: mlundsted@ceiengineers.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) 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

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):
Massachusetts Department of Conservation and Recreation (formerly DEM), Hazard Mitigation Grant Program: \$234,595

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

Note: a FEMA Record of Environmental Review has been completed for the project.

List Local or Federal Permits and Approvals: **Local Wetlands Order of Conditions, 401 Water Quality Certification, Army Corps of Engineers 404 Programmatic General Permit, Chapter 91 License**

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input checked="" type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> Army Corps of Engineers 404 Programmatic General Permit Local Planning Approval
Total site acreage	14 acres			
New acres of land altered		0		
Acres of impervious area	0	0	0	
Square feet of new bordering vegetated wetlands alteration		237 s.f.		
Square feet of new other wetland alteration		490 s.f.		
Acres of new non-water dependent use of tidelands or waterways		N/A		
STRUCTURES				
Gross square footage (headwall)	207 s.f.	550 s.f.	757 s.f.	
Number of housing units	N/A	N/A	N/A	
Maximum height (in feet)	0	2.9'	2.9'	
TRANSPORTATION				
Vehicle trips per day	N/A	N/A	N/A	
Parking spaces	N/A	N/A	N/A	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A	N/A	N/A	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/treatment	N/A	N/A	N/A	
Length of water/sewer mains (in miles)	N/A	N/A	N/A	

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify _____) 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

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

a. The proposed project is funded through the MA Emergency Management Agency Hazard Mitigation Grant Program. The purpose of the project is to alleviate damages and hazards to public safety and property due to seasonal flooding of the coastal community along Otis, Turner, and Jericho Roads in Scituate. The project will consist of replacing an undersized outfall pipe along Jericho Road with a larger diameter pipe with adequate capacity to drain an area that is flooded by coastal storms. The existing 12" drainage pipe to the Scituate Harbor will be replaced with a 42" drain pipe leading to a transition structure with a self-regulating tide gate and two 30" pipes to the outlet structure. The existing deteriorated and inadequate culvert crossing at Scituate Way will be replaced with a new 24" culvert.

b. Based on historic drainage reports in the area, it was determined that eliminating all the factors contributing to flooding would not be cost effective. Replacing and upgrading the existing storm drainage system from the Otis Road wetland to Scituate Harbor was determined to be the most cost-effective solution when compared to alternatives for flood hazard mitigation such as increasing the storage volume of the wetland area (by excavating the wetland) and purchasing or raising the homes subject to flooding. In addition to decreasing the duration of flooding, drainage system improvements will include a self-regulating tide gate to increase tidal flushing to the wetland area. The new drainage system will cross several private properties and easement agreements have been initiated with residents for construction and future maintenance. Easements and the proposed drainage system design will allow the Town of Scituate to perform routine inspection and maintenance of inlet/outlet structures with minimal impact to surrounding resource areas.

c. There will be temporary resource area disturbances during construction due to excavation. Additionally, temporary impacts may occur due to excavated soil storage and equipment access at shoreline and beach locations. The drainage system components will be installed with minimal disturbance to resource areas and all impacted areas will be restored through a combination of revegetation with native wetland plants and replacement of natural fill and earth materials. The drainage system improvements are designed specifically for each location and will increase flow to and from the Sand Hills wetland area, which is intended to provide adequate drainage during flooding conditions. Additionally, increased tidal exchange may provide ecological benefits to a wetland area that may have had a more direct tidal connection in the past.

Approximately 125 square feet (SF) of Bordering Vegetated Wetland (BVW) will be permanently disturbed due to the installation of a headwall and rip rap at the wetland Inlet/outlet location while 112 sf of BVW will be permanently disturbed due to culvert replacement at Scituate Way. An additional 12 linear feet of Rip Rap Coastal Bank will be permanently disturbed due to the installation of a concrete outlet control structure for the self-regulating tide gate. Approximately 359 square feet of coastal beach will be permanently disturbed due to the Scituate Harbor Inlet/Outlet and the two 30" diameter pipes which daylight on the beach. The impacts of this project are very limited and the installation of an improved drainage system with a self-regulating tide gate is expected to provide ecological benefit to wetland areas through increased tidal flushing. A protected transition structure will allow the Town of Scituate to inspect and maintain the self-regulating tide gate with minimal disturbance to the beach or shoreline. As a mitigation measure, this project includes approximately 26,000 sf of beach nourishment. This will be completed following the removal of the temporary cofferdam.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))
 Yes No; if yes, specify each threshold:

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Roadways, parking, and other paved areas	<u>1.40</u>	<u>0</u>	<u>1.40</u>
Other altered areas (describe)	<u><1</u>	<u><1</u>	<u><1</u>
Undeveloped areas	<u>10.65</u>	<u>0</u>	<u>10.65</u>

B. Has any part of the project site been in active agricultural use in the last three years?
 Yes No; if yes, how many acres of land in agricultural use (with agricultural soils) will be converted to nonagricultural use?

C. Is any part of the project site currently or proposed to be in active forestry use?
 Yes No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a DEM-approved forest management plan:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? Yes No; if yes, describe:

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? Yes No; if yes, does the project involve the release or modification of such restriction? Yes No; if yes, describe:

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? Yes No; if yes, describe:

G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes No ; if yes, describe:

H. Describe the project's stormwater impacts and, if applicable, measures that the project will take to comply with the standards found in DEP's Stormwater Management Policy: **The project will not create new discharges associated with development. No additional outlets or increases in stormwater volume associated with impervious surfaces will occur. Thus, the project is exempt from the DEP Stormwater Policy.**