

# ENF Environmental Notification Form

For Office Use Only Executive Office of Environmental Affairs	
EOEA No.:	12847
MEPA Analyst:	ARTHUR PUGSLEY
Phone: 617-626-	1029

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: <b>207 Meadow Neck Road Beach Restoration</b>		
Street: <b>207 Meadow Neck Road</b>		
Municipality: <b>Falmouth</b>	Watershed: <b>Waquoit Bay</b>	
Universal Tranverse Mercator Coordinates:	Latitude: 4602800 mN Longitude: 307360 mE	
Estimated commencement date: <b>Fall 2002</b>	Estimated completion date: <b>Spring 2003</b>	
Approximate cost: <b>\$3,500.00</b>	Status of project design: <b>100 %complete</b>	
Proponent: <b>Veronica Jordan</b>		
Street: <b>10 Otis Place</b>		
Municipality: <b>Boston</b>	State: <b>MA</b>	Zip Code: <b>02108</b>
Name of Contact Person From Whom Copies of this ENF May Be Obtained: <b>Mark L. Manganello</b>		
Firm/Agency: <b>LEC Environmental Consultants Inc.</b>	Street: <b>3 Otis Park Drive</b>	
Municipality: <b>Bourne</b>	State: <b>MA</b>	Zip Code: <b>02532</b>
Phone: <b>(508) 759-0050</b>	Fax: <b>(508) 759-0013</b>	E-mail: <b>mmanganello@lecenvironmental.co</b>

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 301CMR 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): N/A

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

List Local or Federal Permits and Approvals: Order of Conditions from the Falmouth Conservation Commission (DEP File # SE 25-2696), dated January 29, 2002.

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 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 checked="" 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
<b>LAND</b>				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input 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 type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: <hr/> <hr/> <hr/> <hr/> <hr/>
Total site acreage	6.3 Acres			
New acres of land altered		.4 Acres		
Acres of impervious area	.05	0	.05	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		.4		
Acres of new non-water dependent use of tidelands or waterways		0		
<b>STRUCTURES</b>				
Gross square footage	0			
Number of housing units	0			
Maximum height (in feet)	0			
<b>TRANSPORTATION</b>				
Vehicle trips per day	0			
Parking spaces	0			
<b>WASTEWATER</b>				
Gallons/day (GPD) of water use	0			
GPD water withdrawal	0			
GPD wastewater generation/ treatment	0			
Length of water/sewer mains (in miles)	0			



**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 (Waquoit Bay Area of Critical Environmental Concern)  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) **Site Description:** The 6.3 acre site is located in the northeastern portion of Waquoit Bay in a moderately populated residential area of Falmouth, Massachusetts. Waquoit Bay marks the western property boundary and a conglomerate stone retaining wall extends approximately 700-feet along the length of the lot's frontage on Waquoit Bay. Measuring 4-feet tall, the retaining wall was constructed in the early 1960's. A two-foot concrete buttress and a series of seven perpendicular supports were placed at the base of the wall sometime after construction. The base of the wall to the seaward edge of the perpendicular supports was vegetated with American beachgrass (*Ammophila breviligulata*) until a change in sediment dynamics caused severe erosion on the southern section of the wall. The erosion of beach grass and sediment led to the collapse of the concrete buttress supports and 140-linear feet of the southern section of the wall.

Soils on the property are characterized by excessively drained coarse sand, with rapid permeability and low available water capacity. Topography on the site is generally flat, with the exception of a steeply sloping Coastal Bank that faces westerly onto Waquoit Bay. The area adjacent to the existing single-family dwelling consists of a manicured lawn and pool area.

The Applicant proposes to implement a Beach Restoration plan that would introduce clean sand, in discrete applications, to the beach face between the Mean Low Water Line (MLWL) and Mean High Water Line (MHWL). The plan is part of an ongoing effort to protect the beachfront area at the site. Previously, portions of the southern segment of the retaining wall were repaired in discrete locations to prevent total collapse. At that time, restoration activities were performed above the Mean Annual High Water Line. The proposed multi-phase restoration of the Coastal Beach to the MLWL, in conjunction with previous activities, will provide a strong foundation to buffer future episodic events. These measures demonstrate the Applicant's commitment to maintenance of the shoreline area.

B) **Alternatives:** There are no practicable on-site or off-site alternatives to the project. If the project does not commence the coastal erosion will continue to damage the Applicants property ultimately necessitating armoring of the entire Coastal Bank and further reducing public access to the shoreline.

- C) **Mitigation:** In addition to restoration of a depleted Coastal Beach, culms of American beachgrass will be planted along the toe of the Coastal Bank to stabilize the introduced sediment. Temporary barriers will be in place to demarcate the limit of work along the construction access on the Coastal Bank and provide additional assurance that construction equipment will not disturb portions of the Bank beyond the existing access. Pedestrian access will also be enhanced through the introduction of compatible sand on the Coastal Beach, and thereby provides consistency with the letter and the spirit of the Waterways Regulations. The existing conditions limits pedestrian travel along the shoreline as Mean Low Water is against the wall due to the loss of sediment.