

Commonwealth of Massachusetts
Executive Office of Environmental Affairs ■ MEPA Office

ENF Environmental Notification Form

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	13555
MEPA Analyst:	Anne Canaday
Phone:	617-626-1035

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: Dwelling and Seawall Reconstruction		
Street: 131 Edgewater Road		
Municipality: Hull	Watershed: Weymouth and Weir	
Universal Transverse Mercator Coordinates:	Latitude: 42:16:34.784N Longitude: 70:52:40.296W	
Estimated commencement date: Aug. 2005	Estimated completion date: April 2006	
Approximate cost: \$550,000	Status of project design: 85 %complete	
Proponent: Patrick and Judy Drexel		
Street: 45 Otis Hill Road		
Municipality: Hingham	State: MA	Zip Code: 02043
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Christina Gill		
Firm/Agency: Ocean and Coastal Consultant Inc.	Street: 36 Cordage Park Circle, Suite 217	
Municipality: Plymouth	State: MA	Zip Code: 02360
Phone: 508-830-1110	Fax: 508-830-1202	E-mail: cgill@ocean-coastal.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 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): None

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

List Local or Federal Permits and Approvals: Two local wetlands Orders of Conditions and Corps Programmatic General Permit II.

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
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input checked="" 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:
Total site acreage	0.29			
New acres of land altered				
Acres of impervious area	0.02	0.03	0.05	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		425		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	2100	1700	3800	
Number of housing units	1	0	1	
Maximum height (in feet)	30	5	35	
TRANSPORTATION				
Vehicle trips per day				
Parking spaces				
WATER/WASTEWATER				
Gallons/day (GPD) of water use				
GPD water withdrawal				
GPD wastewater generation/treatment				
Length of water/sewer mains (in miles)				

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 Weir River ACEC _____) 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.*)

The waterfront parcel located at 131 Edgewater Road in Hull, Massachusetts is approximately 0.3 acres in size and contains a single-family dwelling built prior to 1978. An existing vertical face, cast-in-place seawall (el. 8.5 feet NGVD) is in disrepair and protects about half of the property from floodwaters in Hull Bay. The Weir River ACEC boundary of mean high water (MHW) intersects the seawall and the adjacent coastal beach located west of the seawall. A coastal bank separates the seawall and the coastal beach from the upland portion of the property. Land subject to coastal storm flowage extends to elevation 11, which is located within 20 feet of Edgewater Road.

Several on-site alternatives for shoreline protection include seawall repair and reconstruction, as well as new protection for an eroding coastal bank on the west side of the property. Replacing the existing seawall and extending it across the entire property in its former footprint would have resulted in a vertical-faced structure requiring the loss of 1,500 square feet of beach, as a result of backfilling. Removing the existing seawall and replacing it with sloped riprap across the entire coastal bank would have resulted in the loss of upland property. The preferred alternative consists of replacing the existing seawall with a slope-face concrete gravity wall and constructing a sloped riprap along the eroding coastal bank. No off-site alternatives were considered.

Two on-site alternatives for the single family dwelling were considered. Remodeling the existing dwelling would leave the structure in violation of zoning and too close to the neighboring dwelling. Reconstructing a new dwelling would meet zoning and floodplain regulations. No off-site alternatives were considered.

Mitigation measures include: removal of a concrete ramp (30 square feet) from the coastal beach; and, enhancement and protection of an adjacent public right-of-way.