

# ENF Environmental Notification Form

*For Office Use Only*  
*Executive Office of Environmental Affairs*

EOEA No.: 13145R  
 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: Causeway Seawall Replacement		
Street: Ocean Avenue		
Municipality: Town of Marblehead	Watershed: North Shore	
Universal Transverse Mercator Coordinates: E 347881.858, N 4705819.949 – Zone 19	Latitude: 42.491724	Longitude: 70.851024
Estimated commencement date: Sept 2005	Estimated completion date: May 2006	
Approximate cost: 6 M	Status of project design: 90	%complete
Proponent: Town of Marblehead, c/o Engineering Department		
Street: 7 Widger Road		
Municipality: Marblehead	State: MA	Zip Code: 01945
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Douglas W. Saal, PE, Town Engineer		
Firm/Agency: Town of Marblehead	Street: 7 Widger Road	
Municipality: Marblehead	State: MA	Zip Code: 01945
Phone: 781-631-1529	Fax: 781-631-2617	E-mail: saald@marblehead.org

- 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): The Town anticipates seeking outside funding assistance from an as yet unidentified source.

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

List Local or Federal Permits and Approvals: Wetlands Protection Act (MGL c 131, §40) Order of Conditions; Local Wetlands Bylaw Order of Conditions; USACOE Programmatic General Permit, Category 2; Local Building Permit.

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
<b>LAND</b>				<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 type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	1.91			
New acres of land altered		0.1 temporary		
Acres of impervious area	0.62	0.20	0.82	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
<b>STRUCTURES</b>				
Gross square footage	N/A			
Number of housing units	N/A			
Maximum height (in feet)	N/A			
<b>TRANSPORTATION</b>				
Vehicle trips per day	N/A			
Parking spaces	N/A			
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	N/A			
GPD water withdrawal	N/A			
GPD wastewater generation/ treatment	N/A			
Length of water/sewer mains (in miles)	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 project site is located directly south of Ocean Avenue at the Ocean Avenue Causeway, the only land link between the mainland and Marblehead Neck, a residential area. Marblehead Harbor is to the north and Back Beach, Devereux Beach and Massachusetts Bay adjoins the project site to the south and seaward. The project involves the reconstruction of the seaward side seawall that supports Ocean Avenue and improving the existing scour protection on Back Beach and Devereux Beach. Potential environmental impacts (and mitigation measures) include silt runoff (hay bales and fencing will be provided at discharge points) and turbidity from dredging for the placement of riprap revetment for scour protection (silt curtains will be used to maintain adherence to appropriate nephelometric standards).
- b) No alternative land access to Marblehead Neck is available and the present seawall that supports Ocean Avenue is approximately 93-years old (built circa 1911) and highly distressed. The wall is now efflorescing and large cracks and concrete spalling dominate the exposed faces. Several past attempts at repair have met with only limited success. The existing wall has been overtopped during extreme storm events on a number of occasions and cobbles from the revetment side of the wall have been carried onto Ocean Avenue causing the causeway to be closed to traffic. After extensive study of existing conditions, which indicate that the seawall is at the end of its useful life, and identification and review of a mix of various options between repair and total replacement, the only alternative that makes sense financially and time-wise is to reconstruct the seawall. The proposed design presents an optimum balance between the least expensive and the least disruptive to traffic and the environment. All of the design options require cladding (riprap revetment) of parts of Back Beach and Devereux Beach to protect the reconstructed wall from scour, without which the lifespan of the reconstructed wall would be shortened considerably. The no-build alternative would ultimately result in the breach of the causeway with far greater negative environmental consequences than the proposed project would cause.

**Town of Marblehead  
Engineering Department**

Douglas W. Saal, PE  
Town Engineer  
Mary A. Alley Municipal Building  
7 Widger Road  
Marblehead, MA 01945  
Telephone: 781-631-1529  
Fax: 781-631-2617  
E-Mail: [saald@marblehead.org](mailto:saald@marblehead.org)

RECEIVED  
JUL 22 2004  
MEPA

July 21, 2004

Secretary Ellen Roy Herzfelder  
Executive Office of Environmental Affairs  
Attn: MEPA Office, Ms. Anne Canaday  
100 Cambridge Street, Suite 900  
Boston, MA 02114

Re: **Causeway Seawall Design Project**  
**ENF Filing**  
**EOEA No. 13145 (1st ENF Filing for this project)**  
**(PARE Project No. 02114.00)**

Dear Secretary Herzfelder:

Attached hereto is the Town of Marblehead's new ENF Filing for the above referenced project that was signed by Douglas W. Saal, Town Engineer on July 21, 2004.

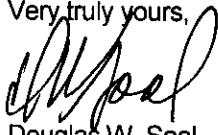
As you may recall, the Town withdrew its first ENF Filing for the Seawall Project by letter dated January 13, 2004. The Town believes that it has incorporated into the project reasonable resolutions to certain design issues raised the office of Coastal Zone Management. The resolutions to be incorporated can be found in the Order of Conditions for the project that was issued by the Marblehead Conservation Commission on July 1, 2004, a copy of which is attached to the ENF.

Copies of this new ENF have been circulated in accordance with filing requirements. The distribution list is attached to the ENF filing.

By filing the new ENF the Town is reopening all permitting processes for the Seawall Project and requests all agencies to continue their review of the Seawall Project.

Any questions should be addressed to the undersigned by telephone at 781-631-1529, fax at 781-631-2617 or e-mail at [saald@marblehead.org](mailto:saald@marblehead.org).

Very truly yours,

  
Douglas W. Saal  
Town Engineer