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.: 14311
MEPA Analyst: Aisling Eglington
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: MOORE RESIDENCE REVETMENT REPAIR		
Street: 975 CHEQUESSETT NECK ROAD		
Municipality: WELLFLEET	Watershed: CAPE COD	
Universal Tranverse Mercator Coordinates:	Latitude: 41° 59' 39.2" Longitude: 70° 03' 45.0"	
Estimated commencement date: 3/2009	Estimated completion date: 3/2009	
Approximate cost:	Status of project design: 100 %complete	
Proponent: ALBERT P. MOORE & NATHALIE H. MOORE		
Street: 8305 ISON ROAD		
Municipality: ATLANTA	State: GA	Zip Code: 30350
Name of Contact Person From Whom Copies of this ENF May Be Obtained: DAVID LAJOIE		
Firm/Agency: FELCO, INC.	Street: P.O. BOX 1366	
Municipality: ORLEANS	State: MA	Zip Code: 02653
Phone: 508-255-8141	Fax: 508-255-2954	E-mail: info@felcoengineering.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):

NO FINANCIAL ASSISTANCE

Are you requesting coordinated review with any other federal, state, regional, or local agency?
☒Yes (Specify: CHPT. 91 WATERWAYS, ARMY CORP) ☐No

List Local or Federal Permits and Approvals:

CHPT. 91 WATERWAYS LICENSE,
ARMY CORP GENERAL PROGRAMMATIC PERMIT

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

☐ Land	☐ Rare Species	☒ Wetlands, Waterways, & Tidelands
☐ Water	☐ Wastewater	☐ Transportation
☐ Energy	☐ Air	☐ Solid & Hazardous Waste
☒ ACEC	☐ Regulations	☐ Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				☒ Order of Conditions ☐ Superseding Order of Conditions ☒ Chapter 91 License ☐ 401 Water Quality Certification ☐ MHD or MDC Access Permit ☐ Water Management Act Permit ☐ New Source Approval ☐ DEP or MWRA Sewer Connection/ Extension Permit ☐ Other Permits (*including Legislative Approvals*) – Specify:
Total site acreage	30,764			
New acres of land altered		0		
Acres of impervious area		0		
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		
STRUCTURES				
Gross square footage	140 ± L.F.	REPAIR / REPLACE	140 ± L.F.	
Number of housing units	(LINEAR	FOOTAGE)		
Maximum height (in feet)				
TRANSPORTATION				
Vehicle trips per day	0			
Parking spaces	0			
WATER/WASTEWATER				
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: PER 2008 ESTIMATED HABITAT MAP) ☐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: WELLFLEET HARBOR) ☐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 project site is a residential property abutting the Herring River and within the Wellfleet Harbor ACEC. The project consists of replacing a failing coastal revetment (concrete block wall with slab overlay) with a new stone revetment in the same location, starting at an existing stone revetment on the northerly side of the existing revetment. The new stone revetment will mate with the existing revetment (see Chapter 91 License #9344) at 995 Chequessett Neck Road and continue along the bottom of the coastal bank on locus property approximately 140 feet. The remainder of the existing coastal revetment will remain.

The coastal bank is presently armored with a coastal structure protecting an existing dwelling constructed in 1962. The existing coastal revetment was constructed in the late 1970's and repaired in 1997 under an Order of Conditions, DEP #SE 77-781. The existing dwelling is approximately 20' landward of the top of the coastal bank. The erosion rate in this area is estimated from -1.28 to 0.56 to -3.44 ft/yr. Since the property has existing access to the beach via a stairway, the erosion rate does not appear to be altered due to human activity. The proposed stone revetment is the minimum necessary to contain the eroding coastal bank and protect the dwelling. The revetment length stops short of a small isolated salt marsh area at the southerly side of the bank.

Construction access will be from the existing drive, then along the easterly and southerly side of the dwelling to the crane storage area at the top of the bank. A rock chute, constructed with temporary steel sheathing laid on the bank face, will be made on the area shown. Rocks will be transported to the drive, then along the side of the dwelling and stored in a temporary 25' x 25' containment area constructed of interlocking concrete blocks, approximately (2) blocks high (4 feet total) then pushed down the chute to the beach. The containment/storage area shown is over (2) existing septic system components that need to be protected, as required. The existing concrete block/slab wall will be removed in opposite sequence for disposal off site.

The new revetment construction excavation will be minimized by laying the filter fabric, bedding stone, then revetment stones on the bank. Loss of vegetation on the bank will be minimized and revegetated with beach grass upon work completion. All stone debris and remains of the existing block wall will be removed from the beach. The revetment shall be constructed to stop short of the isolated salt marsh area, with the wall constructed to join with the remaining concrete block/slab wall, as done on the westerly side of the revetment adjacent to 995 Chequessett Neck Road (Chapter 91 License #9344).

Feasible alternatives to replace the existing coastal revetment are limited. The existing dwelling lies within an isolated flat area on the property with severe slopes of topography on two sides. Moving the structure toward the street and further from the bank is possible; however, the bank stability would not be improved, since the erosion rate is from the base of the bank, due to the failing, existing revetment. The bank slope is severe and soft. Solutions such as revegetation, fill, or use of fiber rolls would not be sufficient, due to wave action and tidal influence.

Coastal bank stabilization, without significant adverse impact to abutting properties, was the principal goal, along with dwelling protection. Beach nourishment, per Conservation Commission requirement, will be an on-site mitigation measure for loss of sediment source to coastal beach due to bank armouring.

(Also see Federal Consistency Compliance Letter for Alternatives - Page 3A)