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.: 14001
MEPA Analyst: Bill Gage
Phone: 617-626-1025

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: Culvert Replacements for Salt Marsh Restoration		
Street: Great Oak Road		
Municipality: Mashpee	Watershed: Waquoit Bay	
Universal Tranverse Mercator Coordinates: N:13264257.256 E: 533928.458	Latitude: 41d33'8"N Longitude: 70d30'20"W	
Estimated commencement date:October 2007	Estimated completion date: March 2008	
Approximate cost: $185,000	Status of project design: 100 %complete	
Proponent: Raul Silva MA DCR		
Street: 251 Causeway Street, Suite 600		
Municipality: Boston	State: MA	Zip Code: 02114-2104
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Jeffrey W. Oakes, P.E.		
Firm/Agency: CLE Engineering, Inc.	Street: 15 Creek Road	
Municipality: Marion	State: MA	Zip Code: 02738
Phone: 508-748-0937	Fax: 508-748-1363	E-mail: joakes@cleengineering.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): $100,000 spent to date by the Massachusetts Office of Coastal Zone Management, Wetlands Restoration Program

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

List Local or Federal Permits and Approvals: NOI, Chapter 91, ACOE, WQC, MESA

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: -ACOE PGP Category 2 -MESA filing
Total site acreage	15 acres			
New acres of land altered		.2 acres		
Acres of impervious area	0.1	0	0.1	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		8,848 s.f. temp. impact 730 s.f. salt marsh restored		
Acres of new non-water dependent use of tidelands or waterways				
STRUCTURES				
Gross square footage				
Number of housing units				
Maximum height (in feet)				
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 Estimated Habitat & Priority Site of Rare Species_) ☐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?

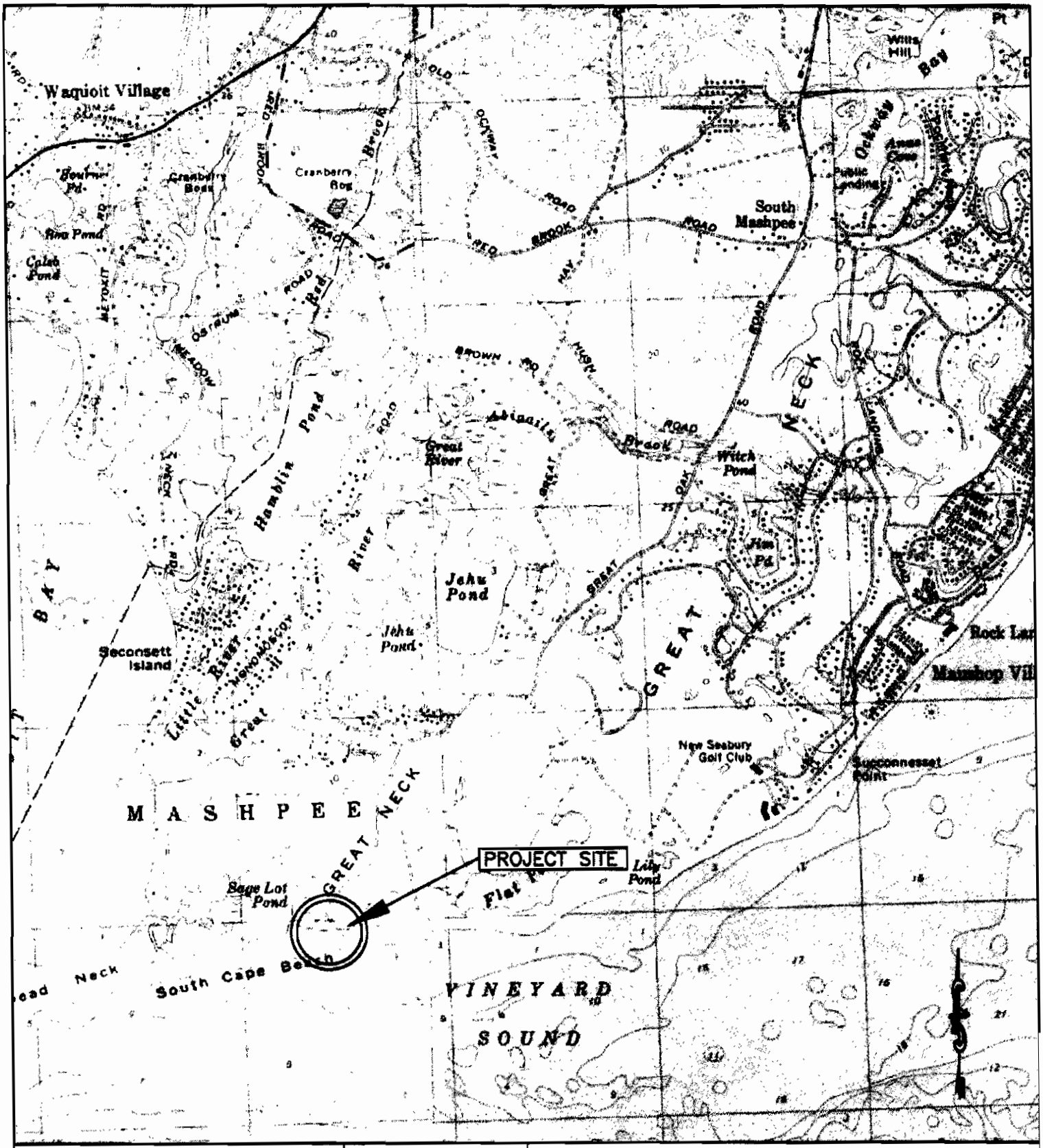
☒Yes (Specify Project is in an ACEC_____) ☐No

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.*)

a) The project site is an approximately 15 acre salt marsh adjacent to South Cape Beach in Mashpee, Massachusetts. The site is within the Waquoit Bay Area of Critical Environmental Concern (ACEC) and is managed by the Waquoit Bay National Estuarine Research Reserve (WBNERR). It is identified in the *Cape Cod Atlas of Tidally Restricted Salt Marshes* as Site MA-4 and MA-5. At its southern terminus, Great Oak Road forks to two parking lot access roads built on filled marsh.. The marsh ultimately drains to Waquoit Bay to the West through single 5' diameter culverts under the two parking lot access roads that presently restrict tidal flow in the creek that connects Sage Lot Pond with Flat Pond. The undersized culverts do not allow free flow and does not mimic surrounding stream conditions. The channel exhibits small scour pools, bank erosion and minor *Phragmites australis* growth nearby.

b) A number of salt marsh restoration alternatives were identified in hydrological studies (NAI 2003 and NAI 2004). The project partners selected Alternative 3 as described in the NAI report *A Supplemental Hydrologic Evaluation, South Cape Beach Marsh Restoration Area – Mashpee, Massachusetts* dated June 2004 as the best alternative. Alternative 3 requires the removal of an approximately 30-ft-wide section of the road/berm that leads to Great Neck Beach and replacing the 5' diameter culvert beneath the road with a light duty pedestrian bridge. The 5' diameter culvert beneath the road to South Cape Beach is to be replaced with an open bottom 5'high by 8'wide box culvert. The existing channel dimensions and depths are to be retained, however the culvert and bridge were designed to allow for channel dredging in the future if it is determined necessary to achieve full tidal restoration.

c) This is a salt marsh restoration project. Therefore there are no on-site of off-site mitigation measures other than sediment and erosion control and other construction-related Best Management Practices during construction activities.



PROJECT CULVERT REPLACEMENTS FOR SALT MARSH RESTORATIONS	COTUIT & FALMOUTH QUAD SCALE APPROX. 1"=2,000' 0 2000 USGS MAP 1:25,000	cle CLE ENGINEERING, INC. 15 Creek Road, Marion, MA 02738 (508) 748-0937
LOCATION MASHPEE, MASSACHUSETTS		
CLIENT MA DEPARTMENT OF CONSERVATION & RECREATION		