

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.: <u>14382</u> MEPA Analyst: <u>Holly Johnson</u> Phone: 617-626- <u>1023</u>

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: Proposed Single-Family Dwelling Construction on a Coastal Dune in Marshfield, MA		
Street: Parcel No. L11-03-10 Constellation Road		
Municipality: Marshfield	Watershed: South Coastal Watershed	
Universal Transverse Mercator Coordinates:	Latitude: 42.1095 degrees Longitude: -70.6669 degrees	
Estimated commencement date: Fall 2009	Estimated completion date: Winter 2008	
Approximate cost: \$150,000	Status of project design: 100 %complete	
Proponent: Mildred Sanborn		
Street: 32 Redwood Drive		
Municipality: Norwood	State: MA	Zip Code: 02062
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Tricia Brennan/Stan Humphries		
Firm/Agency: LEC Environmental Consultants Inc.	Street: 36 Cordage Park Drive, Ste 312	
Municipality: Plymouth	State: MA	Zip Code: 02360
Phone: (508) 746-9491	Fax: (508) 746-9492	E-mail: tbrennan@lecenvironmental.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): 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: **Local building permit and wetlands Order of Conditions.**

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
LAND				<input checked="" type="checkbox"/> Order of Conditions <input checked="" 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:
Total site acreage	0.12 acres			
New acres of land altered		1,400		
Acres of impervious area	0	0	0	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		1,400		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	N/A			
Number of housing units	N/A			
Maximum height (in feet)	N/A			
TRANSPORTATION				
Vehicle trips per day	N/A			
Parking spaces	N/A			
WASTEWATER				
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 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 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 undeveloped 5,100± (0.12± acres) square-foot subject parcel is located within Rexhame (Marshfield), Massachusetts, affording frontage along Constellation Road to the north. The vacant lot occurs within a densely developed residential neighborhood. Existing single-family dwellings primarily surrounded by lawn and landscaped conditions abut the property to the east, west, southeast, and southwest. Maintained lawn conditions and a paved parking area occur immediately south of the site. As depicted on the attached *Aerial Orthophoto*, three single-family dwellings (lots) separate the property from the ocean (Massachusetts Bay), located approximately 215± feet to the northeast. Coastal Beach along the ocean is defined by a concrete seawall, varying 8-10 feet in height. Topography on-site mildly undulates; slightly ascending in a southerly direction from Constellation Road, before descending within the central portion of the site, and ascending again in the rear of the lot. According to the Soil Survey for Plymouth County (July 1969), dominant soil types found on-site include Dune land (Du). On-site soil investigations by Stanley Humphries have previously confirmed the presence of Coastal Dune. Furthermore, the entire subject parcel is located within Flood Zone AO (depth 2'), as depicted on the June 16, 2006, Federal Emergency Management Agency Flood Insurance Rate Maps for the Town of Marshfield (Community Panel 2502730011E).
- (b) There are no practicable on-site or off-site alternatives to the project. The relatively small area of the subject parcel (0.12± acres) does not allow for feasible construction alternatives.
- (c) On behalf of the Applicant, LEC Environmental Consultants has prepared a *Mitigation Planting Plan* to enhance the existing vegetative cover, including sparse/denuded conditions, and revegetate temporarily disturbed areas associated with construction. Additionally, the Applicant has proposed to spending a total of \$1,500.00 to supplement vegetative cover off-site in the Rexhame Dunes area in a location to be determined by the Marshfield Conservation Agent and the Commission. The proposed plant community duplicates that which is proposed for enhancing the proposed development site in order to function as a food source while providing escape cover for a wide variety of wildlife, including avian species. Plantings would consist of native woody shrubs and trees include bayberry (*Myrica pensylvanica*), beach plum (*Prunus maritima*), Virginia rose (*Rosa virginiana*), eastern red cedar (*Juniperus virginiana*), and black cherry (*Prunus serotina*). Shrubs will be planted in clusters of 2 to 4, 4-6 feet on-center (min. 2-3'), while trees will be planted individually 8-10 feet on-center (min. 3-4'). American beachgrass (*Ammophila brevifolata*) will also be planted in staggered rows, 12" apart within a total area of approximately 1500 square feet. Furthermore, the Applicant proposes the installation of three new bird boxes to create viable nesting sites.