

ENF Environmental Notification Form

<i>For Office Use Only</i> Executive Office of Environmental Affairs	
EOEA No.:	1312?
MEPA Analyst:	CEANDREA DAMES
Phone: 617-626-	1028

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: Drainage and Roadway Improvements East Street, Phase II		
Street: East Street		
Municipality: Dedham	Watershed: Neponset River	
Universal Tranverse Mercator Coordinates: N467806.904 E678738.271 Zone 42	Latitude: 42°15' N	Longitude: 71°10'W
Estimated commencement date: April 2004	Estimated completion date: December 2005	
Approximate cost: \$4.5 million	Status of project design: near 100%complete	
Proponent: Town of Dedham, Department of Public Works		
Street: 55 River Street		
Municipality: Dedham	State: MA	Zip Code: 02026-2935
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Susan Spratt, P.E.		
Firm/Agency: Greenman-Pedersen, Inc.	Street: 800 South Main Street	
Municipality: Mansfield	State: MA	Zip Code: 02048
Phone: (508) 339-9350 x 104	Fax: (508) 339-9160	E-mail: s_spratt@gpinet.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: 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 type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input checked="" 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 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 <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	18 acres			
New acres of land altered		0		
Acres of impervious area	6.558	1.689	8.247	
Square feet of new bordering vegetated wetlands alteration		2503		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	0	0	0	
Number of housing units	0	0	0	
Maximum height (in feet)	0	0	0	
TRANSPORTATION				
Vehicle trips per day	15,555	0	15,555	
Parking spaces	0	0	0	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	0	0	
GPD wastewater generation/ treatment	0	0	0	
Length of water/sewer mains (in miles)	0	0	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 _____) 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 Endicott Estates, Fairbanks House) 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.*)

This 6000 foot segment of the East Street reconstruction project is a second phase extension of the East Street improvements constructed in 2001. The project continues from the phase one limit at the railroad crossing near the Endicott Rotary up to the East Street intersection with High Street near the downtown area in Dedham. The inferior conditions of the existing pavement and the inefficiencies of the existing drainage systems have created the need to reconstruct the roadway and design drainage improvements to be installed on mainline East Street and specific intersecting side streets within this segment. These roadway and drainage improvements along with associated curb and sidewalk, and traffic signal installations at three intersection locations within the project limits will be installed for the most part within available layout. Some minor easements, rights of entry and a few small right of way takings will be required to accommodate these improvements. The project design was developed to avoid impacts to the Fairbanks House and Endicott Estate properties while minimizing impacts to existing utilities, roadside trees and private parcels along the corridor.

The existing roadway; providing one lane in each direction of travel is currently oversized width; and as such, works very well to provide two standard width lanes with adjacent paved shoulders without significant roadway widening. These shoulders; although not intended, can accommodate adjacent bicycle traffic but also provide a beneficial offset to pedestrian traffic on the new ADA compliant sidewalks to be installed with raised curbing. The sidestreets that will require excavation activity associated with drainage trunk line installations to existing outfall locations will also be resurfaced and sidewalks installed to meet current standards. In the case of Rustcraft Road, Sanderson Avenue, and Eastern & Whiting intersections with East Street, these locations meet warrants for traffic signal installation and the associated approach lane improvements that are required on these side street approaches.

The existing drainage systems on East Street, Hamilton Avenue, Rustcraft Road and Wentworth Street, Ohio Street and Eastern Avenue are currently inefficient in collecting, conveying and discharging the present day storm water runoff within the subbasin areas that they serve. The installation of these systems dates back some 40 years, are in some cases structurally damaged, do not to meet the current standards and fail to provide any stormwater treatment whatsoever prior to their discharge points into the East Brook waterway. As a result, the neighborhood streets in these areas of town have consistently experienced standing water problems due to a combination of maintenance issues, and

structural failures over time, and in the most severe cases, localized street flooding or icing has been unpreventable. Further, the failure of the drainage systems in these areas has directly contributed to the prolonged erosion and destruction of the street pavements and some lawns on adjacent private lots fronting along these streets.

For these reasons, the Town of Dedham has recognized the need to address these problems by designing new drainage systems to replace the outdated systems at these locations. The results of installing the system of inlets and the improved outfalls at their existing locations will function to resolve localized flooding and icing problems, reduce roadside erosion and pavement damage while improving stormwater quality and vehicular safety. Stormceptor® systems, or equivalent structures are proposed within the proposed stormwater collection and conveyance system to provide water quality treatment prior to discharge into East Brook. These systems will adequately remove better than 80% of the total suspended solids as well as oils & greases that are components of the stormwater runoff that currently outfalls into East Brook.

All installation of drainage structures and piping requires the contractor to install haybale and silt fence protection and other erosion control measures prior to commencement of the work and for the duration of the construction as is specified within the project specifications. The drainage systems as described and as detailed within the plans will be subject to the final review and approval of the local conservation commission agent to confirm compliance with Stormwater Management Policy and Best Management Practices criteria.