

ENF Environmental Notification Form

EOEA No.: 13360
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: Warren Road and Shirley Road Water Main Installation		
Street: Portions of Warren and Shirley Roads		
Municipality: Townsend	Watershed: Squannacook River and Nashua River Basin	
Universal Transverse Mercator Coordinates:	Latitude: 42° 38" 22'	Longitude: 71° 50" 17'
Estimated commencement date: April 2005	Estimated completion date: November 2005	
Approximate cost: \$800,000	Status of project design: 60	%complete
Proponent: Paul Rafuse, Water Superintendent with Townsend Water Department		
Street: 272 Main Street		
Municipality: Townsend	State: MA	Zip Code: 01469
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Nicole Sanford; Environmental Analyst		
Firm/Agency: Dufresne-Henry	Street: 136 West Street; Suite 203	
Municipality: Northampton	State: MA	Zip Code: 01060
Phone: 413-584-4776	Fax: 413-584-3157	E-mail: nsanford@dufresnehenry.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 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): State Revolving Fund

Are you requesting coordinated review with any other federal, state, regional, or local agency?

Yes (Specify: **Townsend Conservation Commission**) 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):

- Land
- Water
- Energy
- ACEC

- Rare Species
- Wastewater
- Air
- Regulations

- Wetlands, Waterways, & Tidelands
- Transportation
- Solid & Hazardous Waste
- 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 checked="" 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	3.56			
New acres of land altered		0		
Acres of impervious area	3.56	0	3.56	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		11,555 (temporary alteration)		
Acres of new non-water dependent use of tidelands or waterways		NA		
STRUCTURES				
Gross square footage	NA	NA	NA	
Number of housing units	NA	NA	NA	
Maximum height (in feet)	NA	NA	NA	
TRANSPORTATION				
Vehicle trips per day	NA	NA	NA	
Parking spaces	NA	NA	NA	
WASTEWATER				
Gallons/day (GPD) of water use	NA	NA	NA	
GPD water withdrawal	NA	NA	NA	
GPD wastewater generation/treatment	NA	NA	NA	
Length of water/sewer mains (in miles)	0.599	1.175	1.774	

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?

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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: Waiting to receive correspondence from NHESP) 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 Squannassit Area of Critical Environmental Concern) 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.)

On behalf of the Townsend Water Department, this ENF is being submitted to the Secretary of Environmental Affairs pursuant to the Massachusetts Environmental Policy Act Regulations because the project exceeds the MEPA review threshold at 310 CMR 11.03 (11) (b), "any project within a designated ACEC, unless the project consists solely of a one single family dwelling." The objective of this project is to improve the water distribution pressure and overall system along Warren Road by abandoning an existing 6" unlined cast iron water main and installing a new 12" HDPE water main. The other objective of this project is to connect the water main to those residents that have high arsenic levels in their private drinking water wells. The old main ends near Witches Brook on Warren Road and the new 12" main will continue south along Warren Road until the intersection with Shirley Road. Approximately 2,123 linear feet of new 8" HDPE water main will be installed within Shirley Road as there is no existing water main within this road. Therefore, the project proposes to install a total of 6,205 linear feet of water main beginning at the intersection of South Harbor Road and Warren Road and ending approximately 2,150 feet southeast of the intersection of Warren Road and Shirley Road, on Shirley Road (Figure 1).

Portions of the proposed work are within the 100-foot buffer zone of bordering vegetated wetland, within previously disturbed riverfront area associated with Witches Brook and Trout Brook and within bordering land subject to flooding. The installation of the water main with associated water service and hydrant connections will occur mainly within the paved roadways and will only temporarily impact 8,045 SF of the 100-foot buffer zone, 6,480 SF of previously disturbed riverfront area and 5,075 SF of bordering land subject to flooding. There will be no permanent impacts to any wetland resource areas because all grades and cover types will be restored. Portions of these roadways do occur within the Squannassit Area of Critical Environmental Concern (Figure 5). Directional drilling technology will be used for the two stream crossings so as to avoid impacts to both Witches Brook and Trout Brook.

There are no off-site alternatives associated with this project. The current water main within Warren Road is too small and is resulting in poor pressure for those residents connected to the existing main and the extension of the new main is needed for those individuals who have high levels of arsenic in their private drinking water wells. Therefore, since the existing problems are on-site (near Warren and Shirley Roads) it is not feasible to install water mains elsewhere/off-site and address the problems.