

MEPA Analyst: *Nick ZAVULAS*

Phone: 617-626-1030

NPC

Notice of Project Change

The information requested on this form must be completed to begin MEPA Review of a NPC in accordance with the provisions of the Massachusetts Environmental Policy Act and its implementing regulations (see 301 CMR 11.10(1)).

Project Name: Comprehensive Water Resources Management		EOEA #: 12172	
Street: Entire Town of Canton			
Municipality: Canton		Watershed: Boston Harbor	
Universal Tranverse Mercator Coordinates: Mass. State Plane (feet)		Latitude: 756800 Longitude: 2890300	
Status of project construction: Not Applicable %complete			
Proponent: Paul Feldman & Associates			
Street: 968 Hancock Street			
Municipality: Quincy		State: MA	Zip Code: 02170
Name of Contact Person From Whom Copies of this NPC May Be Obtained: Zoltan Juhasz, PE			
Firm/Agency: Nantasket Survey Engineering, LLC		Street: 46 Edgewater Road	
Municipality: Hull		State: MA	Zip Code: 02045
Phone: 781-773-1701	Fax: 781-773-1702	E-mail:	

In 25 words or less, what is the project change? The Notice of Project Change is the request for a Phase I Waiver from EOEA#12172 to provide municipal sewer service to 363 Chapman Street, a 3 lot residential subdivision.
 See full project change description beginning on page 3.

Date of ENF filing or publication in the Environmental Monitor: March 8, 2000

Was an EIR required? Yes No; if yes,
 was a Draft EIR filed? Yes (Date:) No
 was a Final EIR filed? Yes (Date:) No
 was a Single EIR filed? Yes (Date:) No

Have other NPCs been filed? Yes (Date(s):) No

If this is a NPC solely for lapse of time (see 301 CMR 11.10(2)) proceed directly to **"ATTACHMENTS & SIGNATURES"** on page 4.

PERMITS / FINANCIAL ASSISTANCE / LAND TRANSFER

List or describe all new or modified state permits, financial assistance, or land transfers not previously reviewed: The proposed project requires a Minor Sewer Connection Permit (BRP-WP 14) for the construction of 35 feet of 8" PVC gravity sewer.

Are you requesting a finding that this project change is insignificant? (see 301 CMR 11.10(6))
 Yes No; if yes, attach justification.

Are you requesting that a Scope in a previously issued Certificate be rescinded?
 Yes No; if yes, attach the Certificate

Are you requesting a change to a Scope in a previously issued Certificate? Yes No; if yes, attach Certificate and describe the change you are requesting:

Summary of Project Size & Environmental Impacts	Previously reviewed	Net Change	Currently Proposed
LAND			
Total site acreage	12,400	0	12,400
Acres of land altered	N/A	2.1	2.1
Acres of impervious area	N/A	0.6	0.6
Square feet of bordering vegetated wetlands alteration	N/A	0	0
Square feet of other wetland alteration	N/A	0	0
Acres of non-water dependent use of tidelands or waterways	N/A	0	0
STRUCTURES			
Gross square footage	N/A	4,900	4,900
Number of housing units	N/A	2	2
Maximum height (in feet)	N/A	30	30
TRANSPORTATION			
Vehicle trips per day	N/A	19	19
Parking spaces	N/A	0	0
WATER/WASTEWATER			
Gallons/day (GPD) of water use	N/A	880	880
GPD water withdrawal	N/A	880	880
GPD wastewater generation/ treatment	N/A	880	880
Length of water/sewer mains (in miles)	64	0.007	0.007

Does the project change involve any new or modified:

1. conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97? Yes No
 2. release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction? Yes No
 3. impacts on Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities? Yes No
 4. impact on 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 No; if yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? Yes No
 5. impact upon an Area of Critical Environmental Concern? Yes No
- If you answered 'Yes' to any of these 5 questions, explain below:

PROJECT CHANGE DESCRIPTION (attach additional pages as necessary). The project change description should include:

- (a) a brief description of the project as most recently reviewed
- (b) a description of material changes to the project as previously reviewed,
- (c) the significance of the proposed changes, with specific reference to the factors listed 301 CMR 11.10(6), and
- (d) measures that the project is taking to avoid damage to the environment or to minimize and mitigate unavoidable environmental impacts. If the change will involve modification of any previously issued Section 61 Finding, include a proposed modification of the Section 61 Finding (or it will be required in a Supplemental EIR).

The Notice of Project Change is the request for a Phase I waiver (please see attached Phase I Waiver Request Letter) from EOE #12172 to provide sewer service to the proposed 3 lot residential subdivision at 363 Chapman Street. The project involves the construction of approximately 400 feet of road and 3 residential lots on a previously developed 2.9 acre site currently containing a single family residence. 35 feet of 8 inch diameter PVC gravity sewer will be proposed to tie into the existing 8 inch sewer main in Chapman Street. The proposed homes will be connected to the new 35 feet long gravity sewer main via individual sewage lift stations and 1 1/4 inch force mains at a proposed sewer manhole. The individual sewer lift stations and force mains will be maintained by the home owners.

The construction of on-site sewage disposal systems in accordance with Title V would involve a large disposal areas and pumps due to the combination of relatively slow percolation rates and shallow estimated seasonal high groundwater table. The systems would be large in area due to the slow percolation rate and would have to be constructed in fill to maintain the min. 4 feet separation from the estimated seasonal high groundwater table and would require significant additional disturbance to the site, which the developer is proposing to preserve in accordance with the wishes of the Planning Board and the neighborhood. In addition, long tall impervious barriers (retaining walls) would have to be constructed to prevent breakout. Due to

the significantly lesser disturbance to the site, and additional costs of on-site sewage disposal systems that would prevent the developer from proceeding with the project, it is our opinion that it is in the best interest of the Town of Canton that the proposed project is connected to the municipal sewer system.

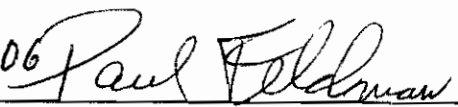
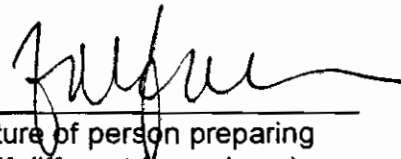
The project provides mitigation for the transfer of sewage flows out of the Neponset River Basin to Boston Harbor. All of the proposed homes will be equipped with drywells and the stormwater detention/retention pond will provide additional recharge which will result in no depletion of groundwater at the site and for the Neponset River Basin. Also the developer has committed to providing a financial contribution to the Town of Canton to reduce I&I into the town system at a 4:1 ratio of gallons for dollars. These mitigation measures will offset the impacts of transferring sewage flows out of the Neponset River Basin.

ATTACHMENTS & SIGNATURES

Attachments:

1. Secretary's most recent Certificate on this project
2. Plan showing most recent previously-reviewed proposed build condition
3. Plan showing currently proposed build condition
4. Original U.S.G.S. map or good quality color copy (8-1/2 x 11 inches or larger) indicating the project location and boundaries
5. List of all agencies and persons to whom the proponent circulated the NPC, in accordance with 301 CMR 11.10(7)

Signatures:

10.5.06 	10.10.06 
Date Signature of Responsible Officer or Proponent	Date Signature of person preparing NPC (if different from above)

<u>Paul Feldman, President</u>	<u>Zoltan Juhasz, PE</u>
Name (print or type)	Name (print or type)

<u>Paul Feldman & Associates</u>	<u>Nantasket Survey Engineering, LLC</u>
Firm/Agency	Firm/Agency

<u>968 Hancock Street</u>	<u>46 Edgewater Road</u>
Street	Street

<u>Quincy, MA 02170</u>	<u>Hull, MA 02045</u>
Municipality/State/Zip	Municipality/State/Zip

<u>617-773-8984</u>	<u>781-773-1701</u>
Phone	Phone