

For Office Use Only Executive Office of Environmental Affairs
MEPA Analyst: <i>Anne Canaday</i>
Phone: 617-626- <i>1035</i>

# 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: Bass Creek Drainage Improvement Project		EOEA #: 13317	
Street: Ocean Street			
Municipality: Marshfield		Watershed: South Coastal	
Universal Transverse Mercator Coordinates: 190362164E 4665677N to 190362155E 4661426N		Latitude: 42d 06' 21"N to 42d 05' 04"N Longitude: 70d 40' 01"W to 70d 40' 00"W	
Status of project construction: 0 %complete			
Proponent: Town of Marshfield, Department of Public Works			
Street: 870 Moraine Street			
Municipality: Marshfield		State: MA	Zip Code: 02050
Name of Contact Person From Whom Copies of this NPC May Be Obtained: Christine M. Player			
Firm/Agency: Vine Associates, Inc.		Street: 190 Old Derby Street, Suite 311	
Municipality: Hingham		State: MA	Zip Code: 02043
Phone: 781-749-2530 x202	Fax: 781-749-2751	E-mail: cplayer@vineassociates.net	

In 25 words or less, what is the project change? The project change involves . . . emphasis on ecosystem improvement, including removal of *Phragmites*; change of dredging and disposal methods, including new staging areas and the confirmation/re-delineation of resource areas.

See full project change description beginning on page 3.

Date of ENF filing or publication in the Environmental Monitor: July 24, 2004

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:

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Are you requesting that a Scope in a previously issued Certificate be rescinded?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
<b>LAND</b>			
Total site acreage	0	44,770	44,770
Acres of land altered	0	0	0
Acres of impervious area	0	0	0
Square feet of bordering vegetated wetlands alteration	0	(+)18,800 SF (temp.)	18,800 SF (temp.)
Square feet of other wetland alteration	106,200 SF LUW (perm.) 2,450 SF (LUW & coastal beach temp.)	(+)16,321 SF LUW (perm.) (-)2,450 SF LUW & coastal beach (temp.); (+)40 LF Bank (temp.)	122,521 SF LUW (perm.); 3,334 LF Bank (perm.); 40 LF Bank (temp.)
Acres of non-water dependent use of tidelands or waterways	0	0	0
<b>STRUCTURES</b>			
Gross square footage	N/A	N/A	N/A
Number of housing units	N/A	N/A	N/A
Maximum height (in feet)	N/A	N/A	N/A
<b>TRANSPORTATION</b>			
Vehicle trips per day	N/A	N/A	N/A
Parking spaces	N/A	N/A	N/A
<b>WATER/WASTEWATER</b>			
Gallons/day (GPD) of water use	N/A	N/A	N/A
GPD water withdrawal	N/A	N/A	N/A
GPD wastewater generation/ treatment	N/A	N/A	N/A
Length of water/sewer mains (in miles)	N/A	N/A	N/A

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:

Two new staging and dewatering areas are now proposed. One of these staging areas is located within the mapped boundaries of the Priority Habitat.

**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 previously reviewed project included the removal of several large stands of invasive *Phragmites* to improve flow within Bass Creek, as well as for the mechanical and hydraulic dredging of the channel to alleviate upstream flooding, with disposal of the dredge material at the Town of Marshfield's Dredge Spoils Area (DSA) on John Dreibeek Way. The previously reviewed project proposed dredging a 10-foot wide channel approximately 5,150 feet in total length, commencing at the Ocean Street culvert and finishing downstream near the confluence of Bass Creek with the Green Harbor River. The alignment of the proposed channel was designed to follow the natural alignment of Bass Creek. The proposed 10-foot wide channel dredging would impact 106,200 square feet (SF) (2.4 acres) of Land Under Water (LUW). The channel was to be dredged to a minimum depth of -3.0 feet NAVD at the Ocean Street culvert and to a maximum depth -4.0 feet NAVD approximately 5,150 feet downstream resulting in a 0.019 percent bottom gradient. Approximately 9,000 cubic yards (CY) of sediment was to be excavated from Bass Creek. This Notice of Project Change is being filed due to the change in both dredging and disposal methods, including several new staging areas, as well as a minor modification to the proposed channel alignment and the confirmation/re-delineation of jurisdictional wetland resource areas. The removal of *Phragmites* is also being more greatly emphasized as an aide to help improve the overall conditions of the ecosystem, and is working in conjunction with the removal of the tidal restriction at the Dike Road Bridge. The proposed channel width, as well as the volume of material to be moved, remains the same as originally proposed.

Based on minor modifications to the proposed channel alignment and re-delineation of resource areas, impacts (permanent and temporary) to resource areas will consist of 122,521 SF of LUW and 3,374 linear feet (LF) of Bank.

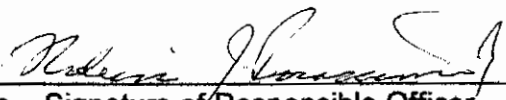
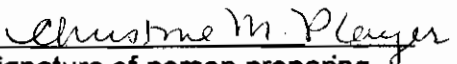
Approximately 18,800 SF of temporary impacts to degraded Bordering Vegetated Wetlands will occur at one of the proposed staging areas. Mitigation measures include a time of year restriction to avoid impacts to marine fisheries and any stat-listed species. More details are provided in Attachment 4: Project Narrative.

**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:

		04/13/08	
Date	Signature of Responsible Officer or Proponent	Date	Signature of person preparing NPC (if different from above)

Rod Procaccino	Christine M. Player
Name (print or type)	Name (print or type)

Marshfield DPW/Engineering Div.	Vine Associates Inc.
Firm/Agency	Firm/Agency

870 Moraine Street	190 Old Derby Street
Street	Street

Marshfield, MA 02050	Hingham, MA 02043
Municipality/State/Zip	Municipality/State/Zip

781-834-5561	781-749-2530 x202
Phone	Phone