

**Notice of  
Intent  
New Bedford  
Conservation  
Commission**

**City of New Bedford  
Department of Public Infrastructure**

Phase I - Coggeshall Street Sewer Separation



**City of New Bedford,  
Massachusetts**

November 2014

**CDM  
Smith**



260 West Exchange Street  
Providence, Rhode Island  
tel: 401 751-5360  
fax: 401 457-0321

November 17, 2014

Ms. Sarah Porter, Conservation Agent  
New Bedford City Hall  
Conservation Commission  
133 William Street  
New Bedford, MA 02740

Subject: Notice of Intent - Phase I - Coggeshall Street Sewer Separation Project  
City of New Bedford, Massachusetts

Dear Ms. Porter:

On behalf of the New Bedford Department of Public Infrastructure, CDM Smith Inc. (CDM Smith), is pleased to submit this Notice of Intent (NOI) for the Phase I – Coggeshall Street Sewer Separation Project. The purpose of the project is to reduce Combined Sewer Overflows (CSOs) at the Sawyer Street CSO outfall. The proposed work includes the conversion of approximately 1,000-linear feet of existing combined sewer outfalls and overflow pipes to new drain pipes within Coggeshall Street and Belleville Avenue. In addition to the sewer separation work, approximately 375-linear feet of cleaning and lining of existing 15-inch diameter vitrified clay sewer is proposed within Mitchell Street. Work is proposed within Land Subject to Coastal Storm Flowage, 25-ft Riverfront Area, Coastal Bank, and the 100-ft Buffer Zone to Coastal Bank. The proposed modifications to the existing Sawyer Street outfall structure will take place below Mean High Water (MHW). Disturbed areas will be restored to pre-construction conditions. Sedimentation and erosion control barriers will be placed at the limit of work within wetland resource areas as shown on Sheet C-10 prior to commencement of work to prevent the transport of sediments to the Acushnet River during construction.

This project proposes work below MHW, therefore a copy of this Notice of Intent was being concurrently submitted to the Massachusetts Department of Fish and Game - Division of Marine Fisheries for review.

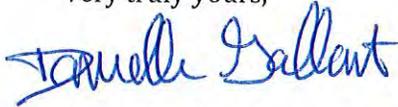
A Notice of Intent (DEP File Number: SE 049-0584) for the proposed modifications to the existing Sawyer Street outfall below MHW was filed with your office in July of 2006. An Order of Conditions for the filing was received in August of 2006. The proposed work was not completed at that time. These documents have been included as attachments in this submittal.

We look forward to discussing this project at your next public meeting scheduled for December 2, 2014. Feel free to call me at (401) 457-0321 with any questions regarding this submittal or to schedule a site visit.



Conservation Commission  
November 17, 2014  
Page 2

Very truly yours,

A handwritten signature in blue ink that reads "Danielle Gallant". The signature is written in a cursive style with a large, stylized initial "D".

Danielle Gallant  
Environmental Scientist  
CDM Smith Inc.

cc: Shawn Syde, CDM Smith  
Ron Labelle, Commissioner – Department of Public Infrastructure

# Table of Contents

**Notice of Intent Form**

**Stormwater Checklist**

## List of Figures

Figure 1 .....	USGS Project Location
Figure 2 .....	NHESP Habitat Areas
Figure 3 .....	FEMA Flood Insurance Rate Map
Figure 4 .....	Aerial Photograph Project Location

## Appendices

### Appendix A - Project Narrative

1.0 Project Description .....	A-1
2.0 Existing Conditions .....	A-1
3.0 Work Proposed within Resource Areas and the 100-ft Buffer Zone .....	A-3
4.0 Mitigation Measures .....	A-3
5.0 Work Proposed in Wetland Resource Areas and Compliance with Performance Standards...	A-4
6.0 Summary .....	A-6

### Appendix B - Site Photographs

### Appendix C - Abutters Notification

### Appendix D - Notice of Intent filed July 2006

### Appendix E - Order Of Conditions received August 2006

### Appendix F - Sequence of Work



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands

Provided by MassDEP:

**WPA Form 3 – Notice of Intent**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

**Important:**  
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



**Note:**  
 Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

**A. General Information**

1. Project Location (**Note:** electronic filers will click on button to locate project site):

Sawyer Street	New Bedford	02746
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	41.6585 N	70.9195 W
	d. Latitude	e. Longitude
Map 93 Lot 265		
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

Ronald	Labelle	
a. First Name	b. Last Name	
City of New Bedford - Department of Public Infrastructure		
c. Organization		
1105 Shawmut Avenue		
d. Street Address		
New Bedford	MA	02740
e. City/Town	f. State	g. Zip Code
508-979-1556	508-961-3054	
h. Phone Number	i. Fax Number	j. Email Address

3. Property owner (required if different from applicant):  Check if more than one owner

a. First Name	b. Last Name	
c. Organization		
d. Street Address		
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

Danielle	Gallant	
a. First Name	b. Last Name	
CDM Smith		
c. Company		
260 West Exchange Street		
d. Street Address		
Providence	RI	02903
e. City/Town	f. State	g. Zip Code
401-457-0321	401-457-0321	GallantDJ@cdmsmith.com
h. Phone Number	i. Fax Number	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

Fee Exempt	Fee Exempt	Fee Exempt
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

## A. General Information (continued)

### 6. General Project Description:

Phase I - Coggeshall Street Sewer Separation includes separation of app. 1,000 linear feet of existing combined sewer within Coggeshall St and Belleville Ave. The project proposes the installation of a tide gate valve, and associated work, within an existing CSO outfall structure at the end of Sawyer Street. The work within the existing CSO outfall structure is the only work with jurisdictional areas.

### 7a. Project Type Checklist:

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Single Family Home                | 2. <input type="checkbox"/> Residential Subdivision                   |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial                     |
| 5. <input type="checkbox"/> Dock/Pier                         | 6. <input checked="" type="checkbox"/> Utilities                      |
| 7. <input type="checkbox"/> Coastal Engineering Structure     | 8. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation                    | 10. <input type="checkbox"/> Other                                    |

### 7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1.  Yes  No    If yes, describe which limited project applies to this project:

2. Limited Project

### 8. Property recorded at the Registry of Deeds for:

Bristol County

a. County

b. Certificate # (if registered land)

b. 4128 p. 165 and b. 4995 p. 254

c. Book

d. Page Number

## B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet



**WPA Form 3 – Notice of Intent**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

**B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)**

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
e. <input type="checkbox"/> Isolated Land Subject to Flooding	3. cubic feet of flood storage lost	4. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
	Acushnet River	
	1. Name of Waterway (if available)	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project:     --     square feet

4. Proposed alteration of the Riverfront Area:

<u>250 sq. ft. Temp Alteration</u>	<u>250 sq. ft. Temp Alteration</u>	<u>0</u>
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI?  Yes  No

6. Was the lot where the activity is proposed created prior to August 1, 1996?  Yes  No

3.  Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment

Online Users:  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

## B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input checked="" type="checkbox"/> Coastal Banks	<u>~18 linear feet - Temporary</u> 1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	<u>~250 square feet - Temporary</u> 1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	a. number of new stream crossings	b. number of replacement stream crossings

## C. Other Applicable Standards and Requirements

### Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to [http://maps.massgis.state.ma.us/PRI\\_EST\\_HAB/viewer.htm](http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm).

a.  Yes  No **If yes, include proof of mailing or hand delivery of NOI to:**

Natural Heritage and Endangered Species Program  
Division of Fisheries and Wildlife  
1 Rabbit Hill Road  
Westborough, MA 01581-3336

2008 edition

b. Date of map



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

## C. Other Applicable Standards and Requirements (cont'd)

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.C, and include requested materials with this Notice of Intent (NOI); OR complete Section C.1.d, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

### 1. c. Submit Supplemental Information for Endangered Species Review\*

1.  Percentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2.  Assessor's Map or right-of-way plan of site

3.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*\*\*

(a)  Project description (including description of impacts outside of wetland resource area & buffer zone)

(b)  Photographs representative of the site

(c)  MESA filing fee (fee information available at <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>). Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

*Projects altering 10 or more acres of land, also submit:*

(d)  Vegetation cover type map of site

(e)  Project plans showing Priority & Estimated Habitat boundaries

### d. OR Check One of the Following

1.  Project is exempt from MESA review.  
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2.  Separate MESA review ongoing.

a. NHESP Tracking #

b. Date submitted to NHESP

\* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

\*\* MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

## C. Other Applicable Standards and Requirements (cont'd)

3.  Separate MESA review completed.  
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a.  Not applicable – project is in inland resource area only
- b.  Yes  No If yes, include proof of mailing or hand delivery of NOI to either:
- |   |  |
|---|--|
| South Shore - Cohasset to Rhode Island, and the Cape & Islands:   | North Shore - Hull to New Hampshire:   |
| Division of Marine Fisheries - Southeast Marine Fisheries Station<br>Attn: Environmental Reviewer<br>1213 Purchase Street – 3rd Floor<br>New Bedford, MA 02740-6694 | Division of Marine Fisheries - North Shore Office<br>Attn: Environmental Reviewer<br>30 Emerson Avenue<br>Gloucester, MA 01930 |

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a.  Yes  No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a.  Yes  No
5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a.  Yes  No
6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a.  Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
- Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
  - A portion of the site constitutes redevelopment
  - Proprietary BMPs are included in the Stormwater Management System.
- b.  No. Check why the project is exempt:
- Single-family house

**Online Users:**  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

## C. Other Applicable Standards and Requirements (cont'd)

- 2.  Emergency road repair
- 3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

## D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 3.  Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4.  List the titles and dates for all plans and other materials submitted with this NOI.

Sheets C-1, C-10 and S-1

a. Plan Title

S. Syde

b. Prepared By

November 2014

d. Final Revision Date

Roger Norton

c. Signed and Stamped by

1=40

e. Scale

f. Additional Plan or Document Title

g. Date

- 5.  If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7.  Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8.  Attach NOI Wetland Fee Transmittal Form
- 9.  Attach Stormwater Report, if needed.



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

## E. Fees

- Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name

## F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

### For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

### For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

### Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

## **Project: City of New Bedford, Phase I – Coggeshall Street Sewer Separation Project**

### **Redevelopment Checklist**

#### Existing Conditions

- On-site: For all redevelopment projects, proponents should document existing conditions, including a description of extent of impervious surfaces, soil types, existing land uses with higher potential pollutant loads, and current onsite stormwater management practices.

**RESPONSE:** See attached Project Plans and Notice of Intent for the project narrative and description of existing conditions.

- Watershed: Proponents should determine whether the project is located in a watershed or subwatershed, where flooding, low streamflow or poor water quality is an issue.

#### The Project

Is the project a redevelopment project?

- Maintenance and improvement of existing roadways
- Development of rehabilitation, expansion or phased project on redeveloped site, or
- Remedial stormwater project

For non-roadway projects, is any portion of the project outside the definition of redevelopment?

**RESPONSE:** Proposed work at the Sawyer Street CSO outfall will take place within the existing structure. Proposed work consists of removal of the existing chain link fence, guardrail and the 16-ft. by 16 ft., at grade, concrete square roof slab of the outfall structure. The project qualifies as a redevelopment project under the Stormwater Management Standards. No new impervious area is proposed as part of this project, or as a result of construction associated with this project.

- Development of previously undeveloped area
- Increase in impervious surface

If a component of the project is not a redevelopment project, the proponent shall use the checklist set forth below to document that at a minimum the proposed stormwater management system fully meets each Standard for that component. The proponent shall also document that the proposed stormwater management system meets the requirements of Standard 7 for the remainder of the project.

### **The Stormwater Management Standards**

- If not, the applicant shall document an analysis of alternative approaches for meeting the Standard. (See Menu of Strategies to Reduce Runoff and Peak Flows and/or Increase Recharge Menu included at the end of this chapter.)

Improvement of existing conditions:

- Does the project reduce the volume and/or rate of runoff to less than current estimated conditions? Has the applicant considered all the alternatives for reducing the volume and/or rate of runoff from the site? (See Menu.)
- Is the project located within a watershed subject to damage by flooding during the 2-year or 10-year 24-hour storm event? If so, does the project design provide for attenuation of the 2-year and 10-year 24-hour storm event to less than current estimated conditions? Have measures been implemented to reduce the volume of runoff from the site resulting from the 2 year or 10 year 24 hour storm event? (See Menu.)
- Is the project located adjacent to a water body or watercourse subject to adverse impacts from flooding during the 100-year 24-hour storm event? If so, are portions of the site available to increase flood storage adjacent to existing Bordering Land Subject to Flooding (BLSF)?
- Have measures been implemented to attenuate peak rates of discharge during the 100-year 24-hour storm event to less than the peak rates under current estimated conditions? Have measures been implemented to reduce the volume of runoff from the site resulting from the 100-year 24-hour storm event? (See Menu.)

Standard 3: (Recharge to Ground water)

*Loss of annual recharge to ground water shall be eliminated or minimized through the use of infiltration measures, including environmentally sensitive site design, low impact development techniques, best management practices, and good operation and maintenance. At a minimum, the annual recharge from the post-development site shall approximate the annual recharge from the pre-development conditions based on soil type. This Standard is met when the stormwater management system is designed to infiltrate the required recharge volume as determined in accordance with the Massachusetts Stormwater Handbook.*

Full compliance for any component that is not a redevelopment

**RESPONSE:** The annual recharge from the post-development site conditions will approximate the annual recharge from the pre-development conditions. Proposed work consists of removal of the existing chain link fence, guardrail and the 16-ft. by 16 ft., at grade, concrete square roof slab of the outfall structure. r

Compliance to the Maximum Extent Practicable:

- Does the redevelopment design meet Standard 3, comparing post-development to pre-development conditions?
- If not, the applicant shall document an analysis of alternative approaches for meeting the Standard?
- What soil types are present on the site? Is the site is comprised solely of C and D soils and bedrock at the land surface?
- Does the project include sites where recharge is proposed at or adjacent to an area classified as contaminated, sites where contamination has been capped in place, sites that have an Activity and Use Limitation (AUL) that precludes inducing runoff to the groundwater, pursuant to MGL Chapter 21E and the Massachusetts Contingency Plan 310 CMR 40.0000; sites that are the

- Have the proposed stormwater BMPs been properly sized to capture the prescribed runoff volume?
    - One inch rule applies for discharge
      - within a Zone II or Interim Wellhead Protection Area,
      - near or to another critical area,
      - from a land use with a higher potential pollutant load
      - to the ground where the infiltration rate is greater than 2.4 inches per hour
  - Has adequate pretreatment been proposed?
    - 44% TSS Removal Pretreatment Requirement applies if:
      - Stormwater runoff is from a land use with a higher potential pollutant load
      - Stormwater is discharged
        - To the ground within the Zone II or Interim Wellhead Protection Area of a Public Water Supply
        - To the ground with an infiltration rate greater than 2.4 inches per hour
        - Near or to an Outstanding Resource Water, Special Resource Water, Cold-Water Fishery, Shellfish Growing Area, or Bathing Beach.
- If the stormwater BMPs do not meet all the requirements set forth above, the applicant shall document an analysis of alternative approaches for meeting these requirements. (See Section on Retrofitting Existing BMPs (the “Retrofit Section”).

Improvements to Existing Conditions:

- Have measures been provided to achieve at least partial compliance with the TSS removal standard?
- Have any of the best management practices in the Retrofit Section been considered?
- Have any of the following pollution prevention measures been considered?
  - Reduction or elimination of winter sanding, where safe and prudent to do so
  - Tighter controls over the application of fertilizers, herbicides, and pesticides
  - Landscaping that reduces the need for fertilizer, herbicides and pesticides
  - High frequency sweeping of paved surfaces using vacuum sweepers
  - Improved catch basin cleaning
  - Waterfowl control programs
- Are there any discharges (new or existing) to impaired waters? If so, see TMDL section.

**RESPONSE:** Not applicable. This project does not include construction of any new stormwater management systems or changes to the existing system.

Standard 5 (Higher Potential Pollutant Loads (HPPL))

*For land uses with higher potential pollutant loads, source control and pollution prevention shall be implemented in accordance with the Massachusetts Stormwater Handbook to eliminate or reduce the discharge of stormwater runoff from such land uses to the maximum extent practicable. If through source control and/or pollution prevention, all land uses with higher potential pollutant loads cannot be completely protected from exposure to rain, snow, snow melt and stormwater runoff, the proponent shall use the specific stormwater BMPs determined by the Department to be suitable for such use as provided in the Massachusetts Stormwater Handbook. Stormwater discharges from land uses with higher potential pollutant loads shall also comply with the requirements of the Massachusetts Clean Waters Act, M.G.L. c. 21, §§ 26-53, and the regulations promulgated thereunder at 314 CMR 3.00, 314 CMR 4.00 and 314 CMR 5.00.*

Standard 10 (Illicit Discharges)

***All illicit discharges to the stormwater management system are prohibited.***

All redevelopment projects shall fully comply with Standard 10.

- Are there any known or suspected illicit discharges to the stormwater management system at the redevelopment project site?

**RESPONSE:** No illicit discharges to the stormwater management system will be permitted.

- Has an illicit connection detection program been implemented using visual screening, dye or smoke testing?

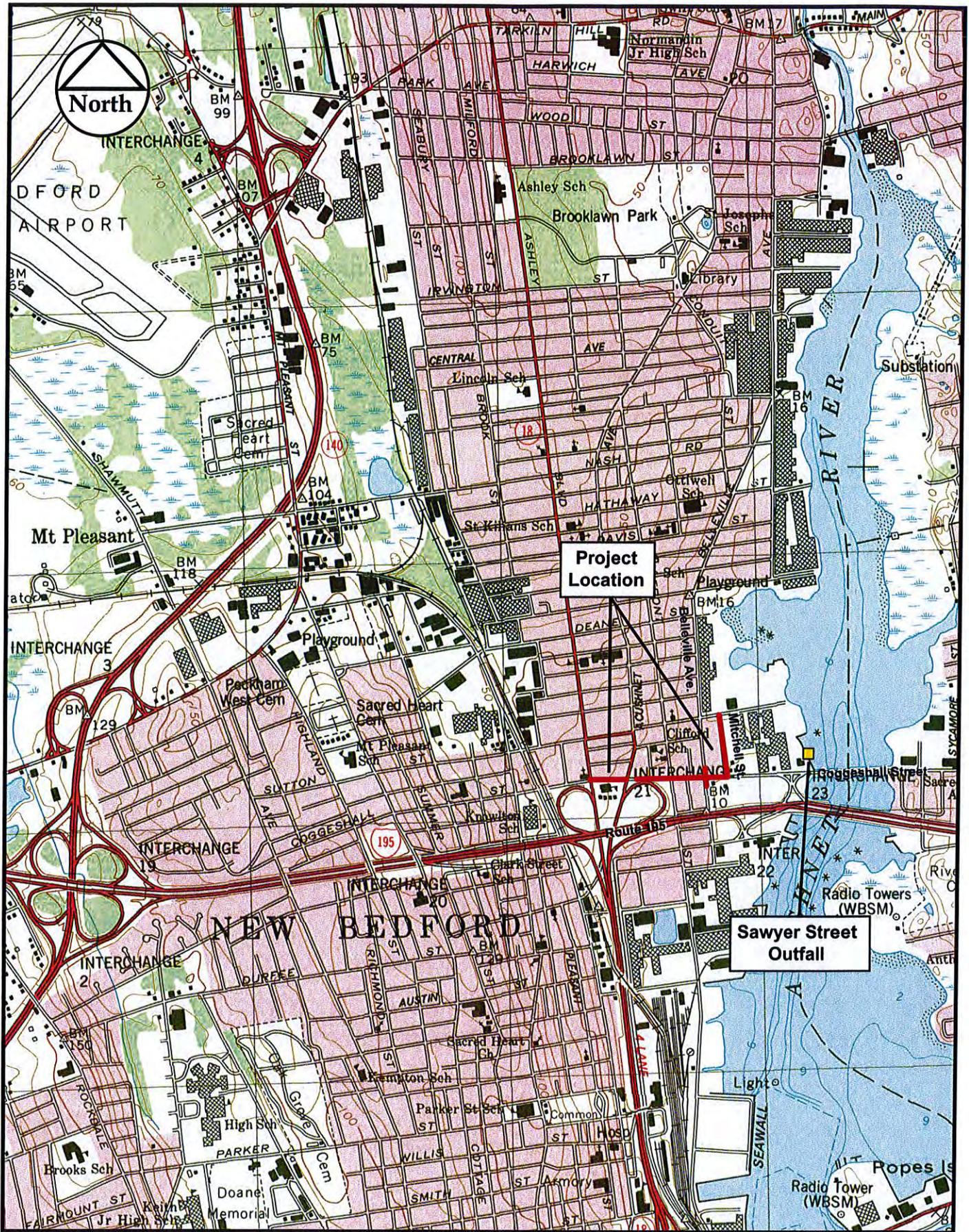
**RESPONSE:** Yes, an Illicit Discharge Detection Program has been implemented.

- Have an Illicit Discharge Compliance Statement and associated site map been submitted verifying that there are no illicit discharges to the stormwater management system at the site?

**RESPONSE:** No, an Illicit Discharge Compliance Statement has not been submitted.

Improvements to Existing Conditions:

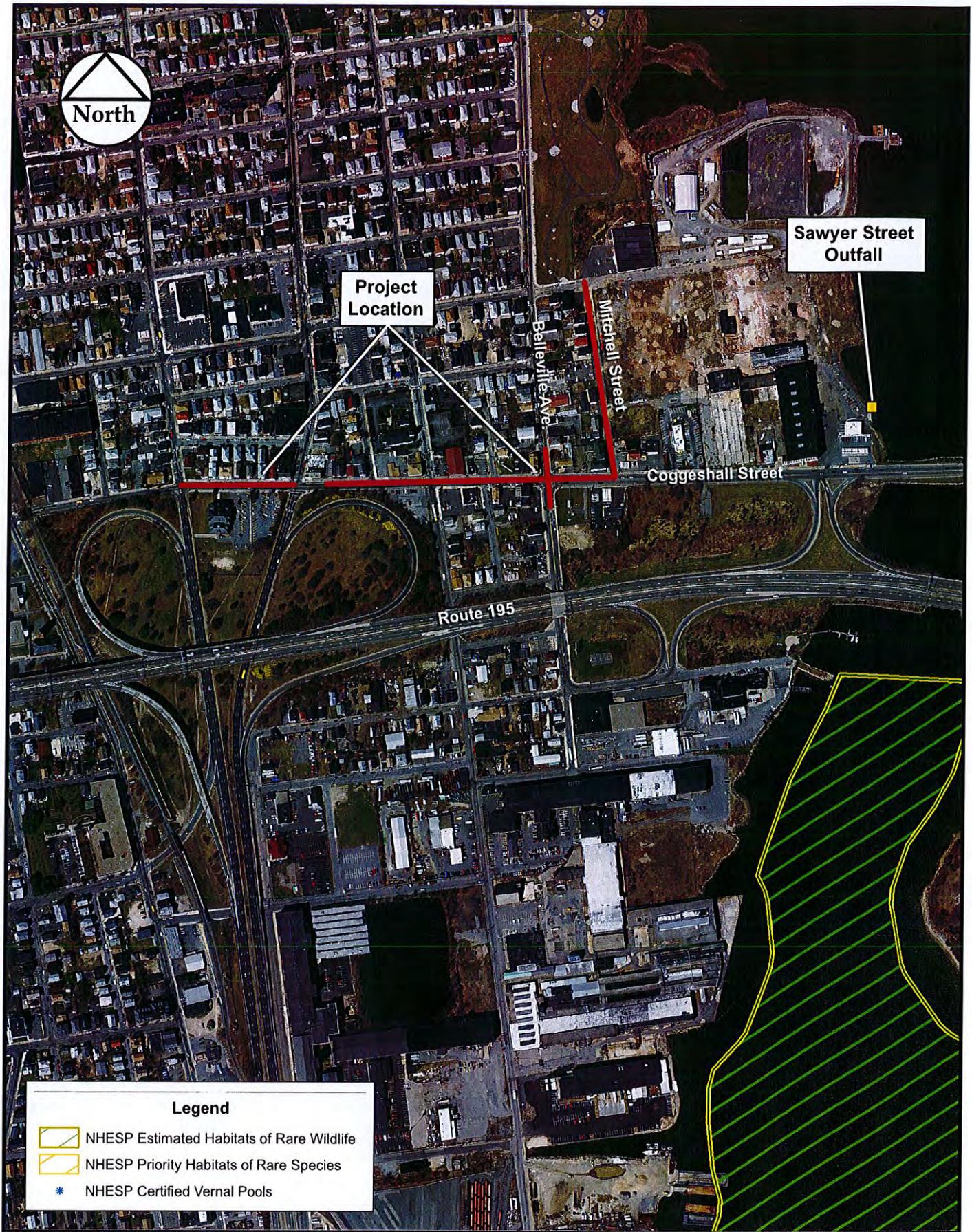
- Once all illicit discharges are removed, has the proponent implemented any measures to prevent additional illicit discharges?



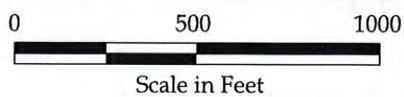
Source: MassGIS Scanned  
USGS Quad Maps

0 2000 4000  
Scale in Feet

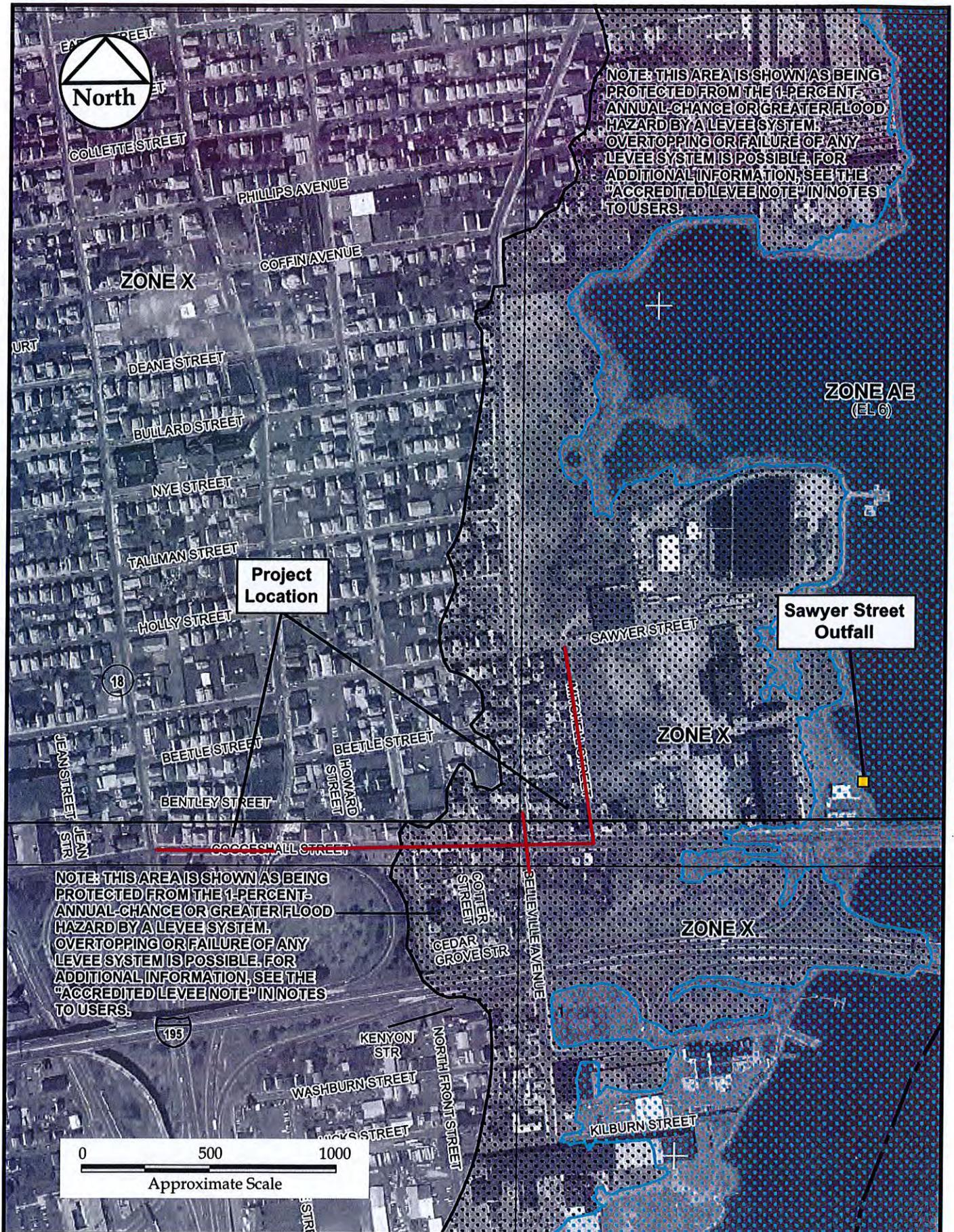
City of New Bedford, Massachusetts  
Coggeshall Street Sewer Separation Project



Source:  
MassGIS

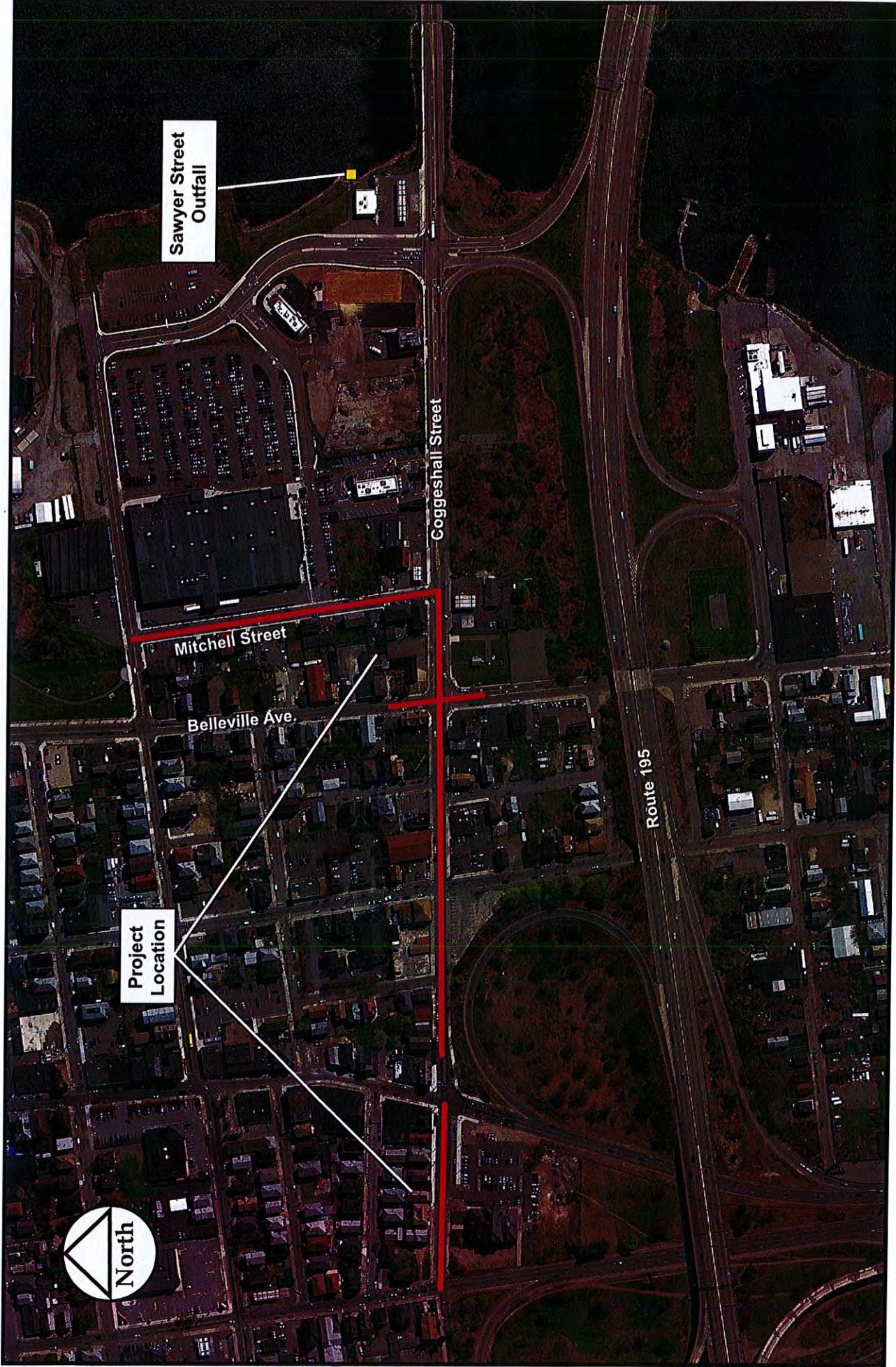


City of New Bedford, Massachusetts  
Coggeshall Street Sewer Separation Project



Source: FEMA Flood Insurance Rate Map Community Panels 25005C391G, 25005C393G

City of New Bedford, Massachusetts  
Coggeshall Street Sewer Separation Project



Source: Google Earth Pro

0 250 500  
Approximate Scale

City of New Bedford, Massachusetts  
Coggeshall Street Sewer Separation Project

**Figure 4**  
Project Aerial Map

*Attachment A*  
*Project Narrative*

---

# Attachment A

## Project Narrative

### 1.0 Project Description

This Notice of Intent (NOI) is being filed with the New Bedford Conservation Commission for the construction of the Phase I - Coggeshall Street Sewer Separation Project (see Figure 1). Construction of Phase I is expected to begin in spring 2015 and be completed by fall 2016 with roadway and sidewalk improvements will be completed under a separate contract (MassDOT project) by fall 2017.

The Inner Harbor combined sewer overflows (CSOs) degrade the water quality of the Outer Harbor and affects receptors along its shoreline. In addition to reducing CSO discharges to the Inner Harbor, the overall project will reduce flooding within the City of New Bedford's (the City) main intercepting sewer area and improve pumping station performance by diverting drain water that currently discharges to the sewer system. Work within this project is in the most densely developed urban area of the City. The proposed work within Phase I - Coggeshall Street Sewer Separation Project includes:

- Converting existing combined sewer outfalls and overflow pipes to drains within Coggeshall Street between Ashley Boulevard and Mitchell Street, as well as improvements to the existing sewer, water, and drainage systems and construction of new facilities including several new cast-in-place structures;
- Cleaning and lining up to 6,500-linear feet of existing sewer within Mitchell Street, Coggeshall Street, and Belleville Avenue; and
- Installation of a new tide gate valve within an existing CSO outfall structure.

The portion of the project within the New Bedford Conservation Commission's jurisdiction is limited to modifications to the existing Sawyer Street outfall structure below Mean High Water (MHW). In addition to being below MHW, the work also occurs within Coastal Bank, Land Subject to Coastal Storm Flowage, and Riverfront Area. The work is proposed to improve the operation and maintenance of the CSO outfall structure. Disturbed areas will be restored to pre-construction conditions.

The work described in this NOI is within areas subject to protection under the Act, but will not remove, fill, dredge, or alter a wetland resource area.

The following sections address the existing on-site wetland resource conditions and proposed measures to mitigate construction impacts.

### 2.0 Existing Conditions

The Phase I - Coggeshall Street Sewer Separation Project area is located in the east-central part of the city and is generally bounded by Ashley Boulevard to the west, Inner Harbor on the east, as well as Sawyer Street to the north and Cotter Street to the south.

The following wetland resource areas are present within or adjacent to the project area.

## 2.1 Coastal Bank

A Coastal Bank is defined as:

*“The seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of a coastal beach, land subject to tidal action, or other wetland.” [310 CMR 10.30 (2)] Coastal Banks are presumed to be significant to “storm damage prevention and flood control. Coastal banks that supply sediment to coastal beaches, coastal dunes and barrier beaches are per se significant to storm damage prevention and flood control. Coastal banks that, because of their height, provide a buffer to upland areas from storm waters are significant to storm damage prevention and flood control.” [310 CMR 10.30 (1)]*

Coastal Bank is associated with the Acushnet River. The top of Coastal Bank was determined in accordance with the Definition and Delineation Criteria for Coastal Bank (DWW Policy 92-1, issued: March 3, 1992) and is shown on the attached project plans.

### Sawyer Street CSO Outfall

The Coastal Bank along the Acushnet River at the Sawyer Street CSO Outfall is reinforced by riprap (see Photo No. 5). The top of Coastal Bank ranges from elevation 5 feet along the natural bank south of the existing outfall to elevation 4 feet along the reinforced riprap bank.

## 2.2 Land Subject to Coastal Storm Flowage

Land Subject to Coastal Storm Flowage is defined as:

*“Land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater.” [310 CMR 10.04]*

The FEMA Flood Insurance Rate Maps (See Figure 3) identifies the 100-year floodplain in the project area. According to this map, the 100-year floodplain elevation in the project area along Acushnet River is at elevation 6 feet, North American Vertical Datum of 1988 (NAVD 88) (6.83 feet, National Geodetic Vertical Datum of 1929 [NGVD 29])[See Sheet C-10].

### Sawyer Street CSO Outfall

The existing CSO outfall is within the 100-year floodplain, therefore all associated work at the outfall would be within Land Subject to Coastal Storm Flowage.

## 2.3 Riverfront Area

Riverfront Area is defined as:

*“the area of land between a river’s mean annual high water line and a parallel line measured horizontally outward from the river and a parallel line located 25 feet away (when in cities including New Bedford). The riverfront area may include or overlap other resource areas or their buffer zones. In tidal rivers, the mean annual high-water line is coincident with the mean high water line determined under 310 CMR 10.23.” [310 CMR 10.58 (2)]*

Riverfront Area is presumed significant to all eight interests of the Act. There is a 25-foot Riverfront Area associated with Acushnet River, per the Rivers Protection Act. However, Section 10.58 (6) (h) of the Wetlands Protection Regulations, states that construction of “... wastewater treatment plants and their related structures, conveyance systems, and facilities, including utility lines” are exempt from the

requirements of the Riverfront Area, therefore no further discussion of Riverfront Area is provided. All disturbed areas within the Riverfront Area will be restored to pre-construction conditions and will not result in the loss of Riverfront area.

## 3.0 Work Proposed within Resource Areas and the 100-foot Buffer Zone

### 3.1 Project Location

Below are descriptions of the proposed work within the existing Sawyer Street CSO outfall.

#### 3.1.1 Sawyer Street Combined Sewer Overflow Outfall

Proposed work at the Sawyer Street CSO outfall will take place within the existing structure. The Sawyer Street CSO Outfall Structure is located directly northeast of the 7-11 gas station parking lot. It is located at the end of a paved driveway behind the gas station, directly adjacent to a small slab of pavement west of the outfall structure. There is an existing guard rail on the west side of the structure, closest to the driveway, and a chain link fence on the existing concrete roof slab and wing walls on the east side of the CSO box structure. The structure is located in Land Subject to Coastal Storm Flowage (LSCSF), the 25-foot Riverfront Area, Coastal Bank and the 100-foot Buffer Zone to Coastal Bank. Proposed work consists of removal of the existing chain link fence, guardrail and the 16-ft. by 16 ft., at grade, concrete square roof slab on top of the outfall structure. Approximately 250-square feet of disturbance to LSCSF, as well as approximately 18-linear feet of Coastal Bank disturbance is proposed as a result of this work and minimal excavation will be required for removal of the existing concrete slab cover. A new tide gate valve will be installed within the existing outfall structure. This valve will be either attached to a new cast-in-place wall within the structure or bolted to the wall of the existing structure. Some demolition work will also be necessary and will include removal of existing walls and an existing trash rack within the outfall structure. Work will only be performed during the low tide cycle. A silt curtain will be installed around the outfall structure to trap any sediment from entering the Acushnet River.

Once construction is complete, the concrete roof slab, the chain link fence and the guardrail will be replaced in kind and the work area will be returned to pre-construction conditions. The proposed work will not result in a loss of flood storage volume.

## 4.0 Mitigation Measures

No adverse impacts to wetland resource areas are anticipated to occur as a result of this project. The following precautions will be taken to prevent impacts to wetland resource areas. Please refer to Sheet No. C-1 for typical details of measures to protect wetland resource areas during and after construction.

- Storm drain inlet protection will be provided for all storm drains which will collect runoff from the work area (see Sheet No. C-1). This protection will prevent sediment from entering the storm drain system and being conveyed to wetlands or waterways;
- Work within the existing CSO structure will only occur during the low tide cycle.
- Install sand bag barrier and pumping system during low tide, or install a temporary plug to prevent tidal inflow into the structure during construction;

- A turbidity curtain will be installed around the Sawyer Street CSO outfall to trap any sediment entering the Acushnet River during construction;
- Restoring all disturbed areas to pre-construction conditions and repaving disturbed areas;
- Maintenance and refueling of vehicles will take place outside of all resource areas;
- A supply of “speedy dry,” oil absorbent pads, or an approved equivalent will be maintained with the construction equipment at all times which will be used to contain any accidental release of oil or other petroleum products during the field work; and

## 5.0 Proposed Compliance with Performance Standards

The proposed improvements to the Sawyer Street outfall will temporarily alter Coastal Bank, LSCSF, Riverfront Area and the 100-foot Buffer Zone.

### 5.1 Coastal Bank

There are two types of Coastal Banks, one that serves as a sediment source to down drift land forms and the other type is a Coastal Bank that serves only as a vertical buffer to storm waters. Since the affected Coastal Bank serves as vertical a buffer to storm waters, work on the banks shall comply with 310 CMR 10.30 (6) through (8) which include:

- 6) Any project on such a coastal bank or within 100 feet landward of the top of such coastal bank shall have no adverse effects on the stability of the coastal bank.

Not applicable. Work is proposed within an existing CSO outfall structure. Work will consist of removing the chain link fence and guard rail just west of the existing CSO outfall structure, as well as removing the existing 16-ft. by 16-ft. concrete square slab roof cover, installing a new tide gate valve, removing an existing trash rack, and re-installing a 16-ft. by 16-ft. concrete slab cover. The coastal bank which consists of 16-linear feet will be restored to preconstruction conditions and the project will have no adverse effects on the stability of the coastal bank.

- 7) Bulkheads, revetments, seawalls, groins or other coastal engineering structures may be permitted on such a coastal bank except when such bank is significant to storm damage prevention or flood control because it supplies sediment to coastal beaches, coastal dunes, and barrier beaches.

Not applicable. Work is proposed within an existing CSO outfall structure. Work will consist of removing the chain link fence and guard rail just west of the existing CSO outfall structure, as well as removing the existing 16-ft. by 16-ft. concrete square slab roof cover, installing a new tide gate valve, removing an existing trash rack, and re-installing a 16-ft. by 16-ft. concrete slab cover. The coastal bank which consists of 16-linear feet will be restored to preconstruction conditions and the project will have no adverse effects on the stability of the coastal bank.

- 8) Notwithstanding the provisions of 310 CMR 10.30(3) through (7), no project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.37.

The proposed project is not located within Estimated and Priority Habitat as depicted on Figure 2.

## 5.2 Land Subject to Coastal Storm Flowage (LSCSF)

The project area is located within LSCSF. The elevation for the 100-year flood event is located at elevation 6 feet, NAVD 88 (6.83 feet, NGVD 1929). Construction within LSCSF includes all activities described above. Approximately 250 square feet of LSCSF will be altered for the proposed improvements. All precautions will be taken to assure that impacts to resource areas are minimized. A silt curtain will be installed around work areas to prevent migration of sediments into the Acushnet River. There are no performance standards for LSCSF. However, work is consistent with the "Interests of the Act", especially storm damage prevention and flood control. Construction will not impact flood flow and will continue to provide an unrestricted flow of flood waters. The contract specifications include detailed provisions for environmental protection, erosion and sedimentation control, and related topics.

## 5.3 25-ft Riverfront Area

The project area is located within the 25-ft. Riverfront Area to the Acushnet River. Work shall comply with 10.58 (5)(a) through (h).

- a) At a minimum, proposed work shall result in an improvement over existing conditions of the capacity of the riverfront area to protect the interests identified in M.G.L. c. 131 40. When a lot is previously developed but no portion of the riverfront area is degraded, the requirements of 310 CDM 10.58 (4) shall be met.

Not applicable. Work is proposed within an existing CSO outfall structure. All disturbed areas will be restored to preconstruction conditions.

- b) Stormwater management is provided according to standards established by the department.

The proposed work will not result in additional impervious areas. The stormwater management redevelopment form is included in the NOI.

- c) Within 200 foot riverfront areas, proposed work shall not be located closer to the river than existing conditions or 100 feet, whichever is less, or not closer than existing conditions within 25 foot riverfront areas, except in accordance with 310 CDM 10.58(5)(f) or (g).

Work is occurring within an existing CSO outfall structure. No changes will occur riverside of the structure.

- d) Proposed work, including expansion of existing structures, shall be located outside the riverfront area or toward the riverfront area boundary and away from the river, except in accordance with 310 CMR 10.58 (5)(f) or (g).

Work is proposed within an existing CSO outfall structure. No expansion is proposed.

- e) The area of proposed work shall not exceed the amount of degraded area, provided that the proposed work may alter up to 10% if the degraded area is less than 10% of the riverfront area, except in accordance with 310 CMR 10.58 (5)(f) or (g).

Not applicable. Work is proposed within an existing CSO outfall structure. No expansion is proposed.

- f) When an applicant proposes restoration on site of degraded riverfront area, alteration may be allowed notwithstanding the criteria of 310 CMR 10.58(5)(c), (d), and (e) at a ratio in square feet of at least 1:1 of restored area to area of alteration not conforming to the criteria. Areas immediately along the river shall be selected for restoration. Alteration not conforming to the criteria shall begin at the riverfront area boundary. Restoration shall include:
- a. Removal of debris, but retaining any trees or other mature vegetation;
  - b. Grading to a topography which reduces runoff and increases infiltration;
  - c. Coverage by topsoil at a depth consistent with natural conditions at the site; and
  - d. Seeding and planting with an erosion control seed mixture, followed by plantings of herbaceous and woody species appropriate to the site;

Not applicable. Work is proposed within an existing CSO outfall structure.

- g) When an applicant proposes mitigation either on-site or in the riverfront area within the same general area of the river basin, alteration may be allowed notwithstanding the criteria of 310 CMR 10.58(5)(c), (d), or (e) at a ratio in square feet of at least 2:1 of mitigation area to area of alteration not conforming to the criteria or an equivalent level of environmental protection where square footage is not relevant measure. Alteration not conforming to the criteria shall begin at the riverfront area boundary. Mitigation may include off-site restoration of riverfront areas, conservation restrictions under M.G.L. c. 184, 31 through 33 to preserve undisturbed riverfront areas that could be otherwise altered under 310 CMR 10.00, the purchase of development rights within the riverfront area, the restoration of bordering vegetated wetlands, projects to remedy an existing adverse impact on the interests identified in M.G.L. c. 131 40 for which the applicant is not legally responsible, or similar activities undertaken voluntarily by the applicant which will support a determination by the issuing authority of no significant adverse impact. Preference shall be given to potential mitigation projects, if any, identified in a River Basin Plan approved by the Secretary of the Executive Office of Energy and Environmental Affairs.

Not applicable. Work is proposed within an existing CSO outfall structure.

- h) The issuing authority shall include a continuing condition in the Certificate of Compliance for projects under 310 CMR 10.58(5)(f) or (g) prohibiting further alteration within the restoration or mitigation area, except as may be required to maintain the area in its restored or mitigated condition. Prior to requesting the issuance of the Certificate of Compliance, the applicant shall demonstrate the restoration or mitigation has been successfully completed for at least two growing seasons.

Not applicable. No restoration is required for the proposed work as all work is proposed on previously disturbed areas.

## 6.0 Summary

No permanent impacts to wetland resource areas are anticipated as a result of this project. The interests of the Wetlands Protection Act will not be impaired as a result of this project and all appropriate erosion and sedimentation control measures will be implemented throughout the course

of construction to prevent the transport of sediment to adjacent wetland resource areas. The work is proposed to reduce CSO discharges to the Inner Harbor. All disturbances to Resource Areas will be temporary and the work area will be restored to pre-construction conditions and the existing concrete slab roof cover will be replaced upon completion of the work.

*Attachment B*  
*Field Photographs*



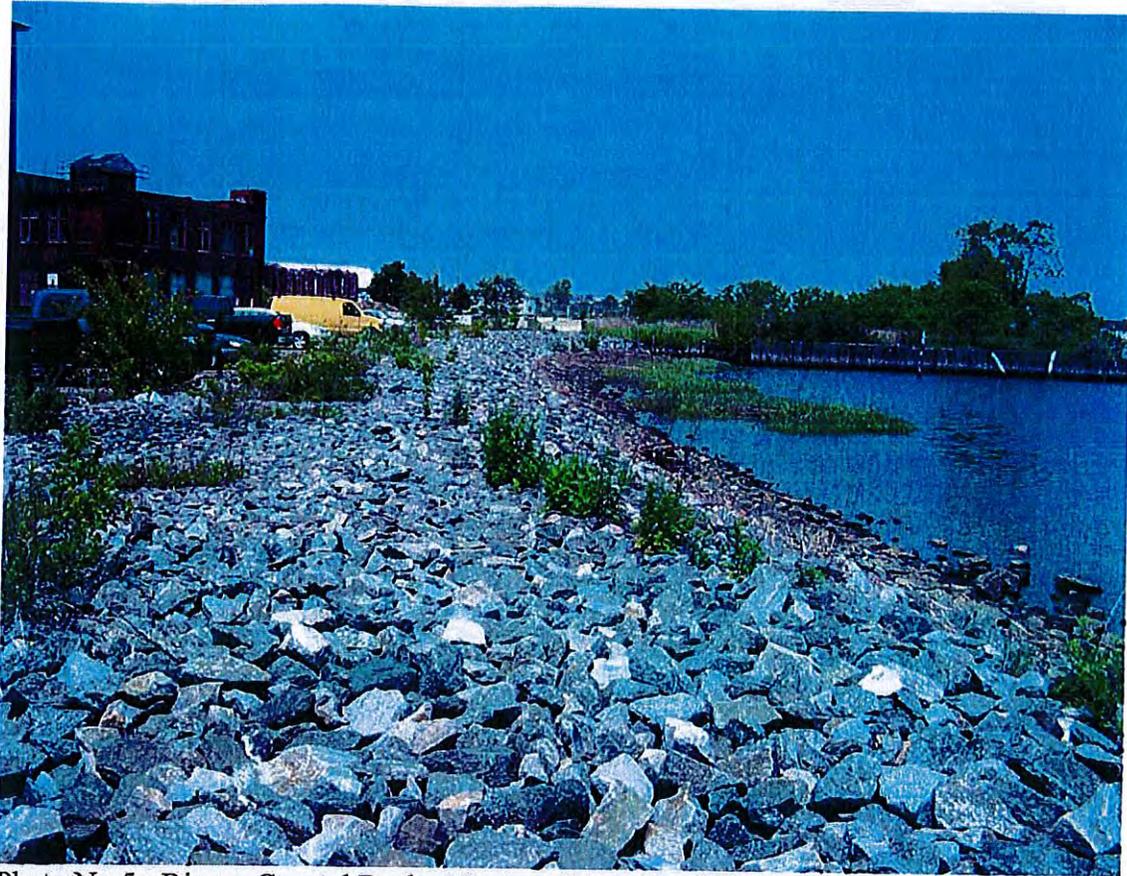


Photo No.5: Riprap Coastal Bank at Sawyer Street Outfall



Photo No. 6: Sawyer Street Outfall

*Attachment C*  
*Abutter Notification Information*

---

I, Carol A. Hefner, Administrative Assistant to the Board of Assessors of the City of New Bedford, do hereby certify that the names and addresses as identified on the attached "abutters list" are duly recorded and appear on the most recent tax.

Date: 11/12/2014

DEPARTMENT

NOV 12 2014

PLANNING

SUBJECT PROPERTY:

MAP 93-2 LOT 265

LOCATION See Location Figure

OWNER'S NAME City of New Bedford

MAILING ADDRESS 260 West Exchange Street, Providence, RI 02903

CONTACT PERSON Danielle Gallant

TELEPHONE NUMBER 401-457-0321

EMAIL ADDRESS GallantDJ@cdmsmith.com

REASON FOR REQUEST

Notice of Intent to be filed with the Conservation Commission on November 18, 2014.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Submitted by applicant 11/1/12

November 12, 2014

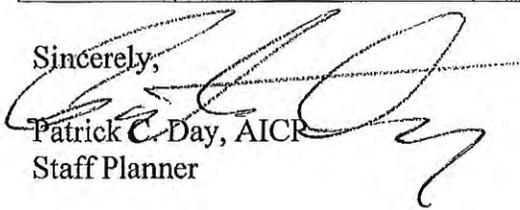
Dear Applicant,

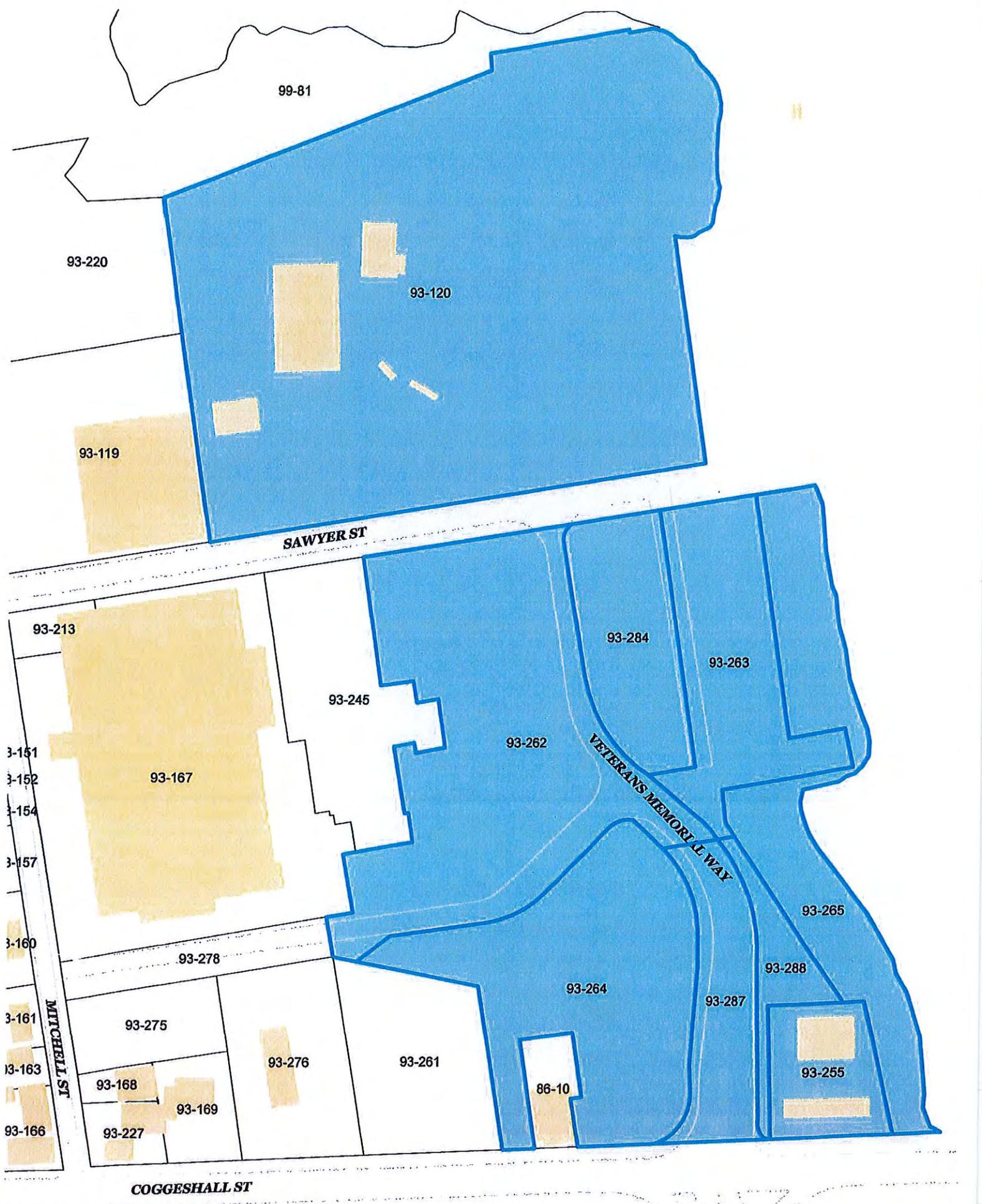
Please find below the List of Abutters within 100 feet of the property known as SS Sawyer Street (93-265). The current ownership listed herein must be checked and verified by the City of New Bedford Assessor's Office. Following said verification, the list shall be considered a Certified List of Abutters.

Please note that multiple listed properties with identical owner name and mailing address shall be considered duplicates, and shall require only 1 mailing. Additionally, City of New Bedford-Owned properties shall not require mailed notice.

Parcel	Location	Owner and Mailing Address
93-255	67 COGGESHALL ST	ELIAS ELAINE "TRUSTEE", C/O 7-11 INC TENANTS TAX DEPT P O BOX 711 DALLAS, TX 75221-0711
93-262	SAWYER ST	DEMOULAS SUPER MARKETS INC, 875 EAST STREET TEWSBURY, MA 01876
93-120	SAWYER ST	CITY OF NEW BEDFORD, <del>PARK DEPT</del> 131 WILLIAM ST NEW BEDFORD, MA 02740
93-287	COGGESHALL ST	<del>DEMOULAS SUPER MARKETS INC,</del> Highway view LLC <del>875 EAST STREET</del> 1266 Furnace c/o Dickinson develop TEWSBURY, MA 01876 brook Parkway ment
93-288	COGGESHALL ST	<del>DEMOULAS SUPER MARKETS INC,</del> Quincy, MA 02169 <del>875 EAST STREET</del> (same as above) TEWSBURY, MA 01876
93-264	81 COGGESHALL ST	HIGHWAYVIEW LLC, C/O DICKINSON DEVELOPMENT CORPORATION 1266 FURNACE BROOK PARKWAY QUINCY, MA 02169
93-284	SAWYER ST	PIERPONT GROUP II LLC (THE), 430 BEDFORD STREET SUITE 195 LEXINGTON, MA 02420
93-263	SAWYER ST	PIERPONT GROUP II LLC (THE), 430 BEDFORD STREET SUITE 195 LEXINGTON, MA 02420
93-265	SAWYER ST	UNITED STATES OF AMERICA, C/O ARMY CORP OF ENGINEERS 696 VIRGINIA ROAD CONCORD, MA 01742

Sincerely,

  
Patrick C. Day, AICP  
Staff Planner



-12 86-15

EXIT 23

**Notification to Abutters under the City of New Bedford  
Wetlands Ordinance**

In Accordance with the City of New Bedford Wetlands Ordinance (New Bedford Code of Ordinances Sections 15-101 through 15-112) you are hereby notified of the following.

The name of the applicant is: New Bedford Department of Public Infrastructure

The applicant has filed a Notice of Intent \_\_\_\_\_ for the municipality of New Bedford, Massachusetts seeking permission to remove, fill, dredge or alter an area subject to protection under the City of New Bedford Wetlands Ordinance (New Bedford Code of Ordinances Sections 15-101 through 15-112).

The address of the lot where the activity is proposed is: Sawyer Street Outfall  
Assessor's Map 93-2 ; Lot 256

Copies of the Notice of Intent \_\_\_\_\_ may be examined at the New Bedford Conservation Commission, City Hall, 133 William St. Room 304 New Bedford, MA 02740 between the hours of 8:00 AM and 4:00 PM, Monday through Friday. For more information call (508) 991-6188.

Copies of the Notice of Intent \_\_\_\_\_ may be obtained from either (check one) the applicant \_\_\_\_\_ or the applicant's representative X by calling this telephone number (401) 457-0321 between the hours of 8:00 AM and 4:00 PM on the following days of the week: Monday through Friday.

Information regarding the date, time and place of the public hearing may be obtained from New Bedford Conservation Commission by calling 508-991-6188 between the hours of 8:00 AM and 4:00 PM Monday through Friday.

Note: Notice of the Public hearing, including its date, time and place, will be posted in the City Hall not less than forty eight (48) hours in advance of the meeting.

Note: Notice of the Public Hearing including its date, time and place, will be published at least five (5) days in advance in the Standard Times.

Note: You may also contact the New Bedford Conservation Commission at 508-991-6188 for more information about this publication or the City of New Bedford Wetlands Ordinance

*Attachment D*  
*Notice of Intent Filed July 2006*

---

City of New Bedford

Coggeshall Street & Deane Street Separation Project

July 2006

*Notice of Intent*



One Cambridge Place, 50 Hampshire Street  
Cambridge, Massachusetts 02139

tel: 617 452-6000  
fax: 617 452-8000

July 12, 2006

New Bedford Conservation Commission  
New Bedford City Hall  
133 Williams Street  
New Bedford, MA 02740

Subject: Notice of Intent - Coggeshall Street and Deane Street Sewer Separation Project  
Applicant: City of New Bedford

Dear Commission Members:

On behalf of the City of New Bedford, Camp Dresser & McKee Inc. (CDM) is pleased to submit this Notice of Intent (NOI) for the above-referenced project. The proposed work includes the conversion of the existing combined sewer outfalls (CSOs) and overflow pipes to new drains within Sawyer Street, Coggeshall Street, and Washburn Street. No work is proposed within wetlands resource areas, although modifications to the existing Sawyer Street outfall structure will take place below Mean High Water (MHW). Conversion of CSOs to drains within Sawyer Street and Washburn Street will result in temporary impacts to the 100-Foot Buffer Zone to Coastal Bank. Disturbed areas will be restored to pre-construction conditions. Sedimentation and erosion control barriers will be placed at the limits of work within the 100-foot Buffer Zone as shown on Sheet Nos. 6, 7, 8, and 28, and Figure 4 prior to commencement of work to prevent the transport of sediments to the Acushnet River during construction.

Please advertise this project for your next scheduled meeting. We understand that the next public hearing is scheduled for July 25. Please call me at (617) 452-6597 or Shawn Syde at (401) 751-5360 if you want to schedule a site visit or if you have any questions regarding this filing.

Very truly yours,

Magdalena Lofstedt, PWS  
Environmental Scientist

c: DEP, Southeast Regional Office  
Ronald H. Labelle, Commissioner - Department of Public Infrastructure  
Shawn Syde, CDM

# Contents

## Notice of Intent Form

### Figures

- Figure 1 Project Location Map
- Figure 2 Estimated Habitats Map
- Figure 3 FEMA Flood Insurance Rate Map
- Figure 4 Sawyer Street Outfall

### Attachment A - Project Narrative

1.0	Project Description.....	A-1
2.0	Existing Conditions.....	A-2
3.0	Work Proposed within Resource Areas and the 100-foot Buffer Zone .....	A-4
4.0	Mitigation Measures .....	A-5
5.0	Summary .....	A-6

### Attachment B - Abutters Notification Information

### Attachment C - Photographs

### Attachment D- Construction Specifications

- Section 01110 - Environmental Protection Procedures
- Section 01170 - Special Provisions
- Section 02140 - Dewatering and Drainage
- Section 02270 - Sedimentation and Erosion Control
- Section 02930 - Loaming and Seeding

### Attachment E - Project Plans

- Sheet No. 6: Sawyer Street
- Sheet No. 7: Sawyer Street
- Sheet No. 8: Sawyer Street
- Sheet No. 28: Washburn Street
- Sheet No. C-1: Miscellaneous Details I



**Massachusetts Department of Environmental Protection**  
**Bureau of Resource Protection - Wetlands**  
**WPA Form 3 – Notice of Intent**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP:  
 DEP File Number \_\_\_\_\_  
 Document Transaction Number \_\_\_\_\_

City/Town \_\_\_\_\_

**Important:**  
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:  
 Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

**A. General Information**

1. Project Location (**Note:** electronic filers will click on button for GIS locator):

Washburn Street, Sawyer Street, and Coggshall Street  
 Latitude and Longitude:  
 Map 86, Lot 25 and Map 93, Lot 265  
 f. Assessors Map/Plat Number

New Bedford  
 b. City/Town  
 41° 39' 24"  
 d. Latitude  
 --  
 g. Parcel /Lot Number

02740  
 c. Zip Code  
 70° 55' 08"  
 e. Longitude

2. Applicant:

City of New Bedford – Department of Public Infrastructure

a. First Name \_\_\_\_\_ b. Last Name \_\_\_\_\_  
 1105 Shawmut Avenue  
 d. Mailing Address  
 New Bedford MA 02740  
 e. City/Town f. State g. Zip Code  
 508-979-1556 508-961-3054  
 h. Phone Number i. Fax Number  
 j. Email address \_\_\_\_\_

3. Property owner (if different from applicant):

Check if more than one owner

a. First Name \_\_\_\_\_ b. Last Name \_\_\_\_\_ c. Company \_\_\_\_\_  
 d. Mailing Address \_\_\_\_\_  
 e. City/Town \_\_\_\_\_ f. State \_\_\_\_\_ g. Zip Code \_\_\_\_\_  
 h. Phone Number \_\_\_\_\_ i. Fax Number \_\_\_\_\_ j. Email address \_\_\_\_\_

4. Representative (if any):

Camp Dresser & McKee, Inc.  
 a. Firm  
 Magdalena Lofstedt  
 b. Contact Person First Name c. Contact Person Last Name  
 One Cambridge Place, 50 Hampshire Street  
 d. Mailing Address  
 Cambridge MA 02139  
 e. City/Town f. State g. Zip Code  
 617-452-6597 617-452-8597 lofstedtmh@cdm.com  
 h. Phone Number i. Fax Number j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

City is fee exempt City is fee exempt City is fee exempt  
 a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid

6. General Project Description:

MA DEP, State Revolving Fund (SRF) sewer separation project and infrastructure improvements.



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP:
DEP File Number
Document Transaction Number

City/Town \_\_\_\_\_

## A. General Information (continued)

### 7. Project Type Checklist:

- |   |   |
|---|---|
| a. <input type="checkbox"/> Single Family Home                | b. <input type="checkbox"/> Residential Subdivision             |
| c. <input type="checkbox"/> Limited Project Driveway Crossing | d. <input type="checkbox"/> Commercial/Industrial               |
| e. <input type="checkbox"/> Dock/Pier                         | f. <input checked="" type="checkbox"/> Utilities                |
| g. <input type="checkbox"/> Coastal Engineering Structure     | h. <input type="checkbox"/> Agriculture – cranberries, forestry |
| i. <input type="checkbox"/> Transportation                    | j. <input type="checkbox"/> Other                               |

### 8. Property recorded at the Registry of Deeds for:

<u>Bristol County</u>	<u>b. 4128 p. 165 and b. 4995 p. 254</u>
a. County	b. Page Number
<u>--</u>	<u>N/A</u>
c. Book	d. Certificate # (if registered land)

### 9. Has work been performed on the property under an Order of Resource Area Delineation involving Simplified Review within 3 years of the date of this application?

- a.  Yes    b.  No

If yes, no Notice of Intent or Request for Determination of Applicability may be filed for work within the 50-foot-wide area in the Buffer Zone along the resource area during the three-year term of an Order of Resource Area Delineation, or any Extended Order, or until the applicant receives a Certificate of Compliance, whichever is later.

### 10. Buffer Zone Only - Is the project located only in the Buffer Zone of a bordering vegetated wetland, inland bank, or coastal resource area?

- a.  Yes - answer 11 below, then skip to Section C.  
b.  No - skip to Section B.

### 11. Buffer Zone Setback – For projects that involve work only in the buffer zone, select the applicable adjacent resource area (check one):

- a.  BVW    b.  inland bank    c.  coastal resource area

The distance between the closest project disturbance and the associated resource area is:

\_\_\_\_\_ d. linear feet



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP:
DEP File Number
Document Transaction Number

City/Town \_\_\_\_\_

## B. Resource Area Effects

### 1. Inland Resource Areas

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

#### Online Users:

Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet _____	2. linear feet _____
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet _____	2. square feet _____
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet _____ 3. cubic yards dredged _____	2. square feet _____
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____ 3. cubic feet of flood storage lost _____	2. square feet _____ 4. cubic feet of flood storage replaced _____
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet _____ 2. cubic feet of flood storage lost _____	3. cubic feet of flood storage replaced _____
f. <input checked="" type="checkbox"/> Riverfront area	<u>Acushnet River</u> 1. Name of Waterway (if available) _____	

For projects impacted by the riverfront area and a buffer zone of another resource area, add 50% to the total fee.

#### 1. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

#### 2. Total area of Riverfront Area on the site of the proposed project:

N/A - Alterations are temporary

#### 3. Proposed alteration of the Riverfront Area:

App. 800 sq. ft. of temporary alteration _____	N/A b. Square Feet within 100 ft. _____	N/A c. Square Feet between 100 ft. and 200 ft. _____
--	--	---

4. Has an alternatives analysis been done and is it attached to this NOI?  Yes  No

5. Was the lot where the activity is proposed created prior to August 1, 1996?  Yes  No



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP:
DEP File Number
Document Transaction Number

City/Town \_\_\_\_\_

## B. Resource Area Effects

### 2. Coastal Resource Areas:

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

**Online Users:**  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input checked="" type="checkbox"/> Land Under the Ocean	Temporary disturbance to app. 150 sq. ft. within existing Sawyer Street Outfall structure	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. Square feet _____	2. Cubic yards beach nourishment _____
e. <input type="checkbox"/> Coastal Dunes	1. Square feet _____	2. Cubic yards dune nourishment _____
f. <input type="checkbox"/> Coastal Banks	1. Linear feet _____	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. Square feet _____	
h. <input type="checkbox"/> Salt Marshes	1. Square feet _____	2. Sq ft restoration, rehab., or creation _____
i. <input type="checkbox"/> Land Under Salt Ponds	1. Square feet _____	
j. <input checked="" type="checkbox"/> Land Containing Shellfish	2. Cubic yards dredged _____ See Land Under Ocean above	2. Square feet restoration, rehab. _____
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	1. Cubic yards dredged _____ App. 300 sq. ft. of temporary alteration	

### 3. Limited Project:

Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 or 310 CMR 10.53?

- a.  Yes  No If yes, describe which limited project applies to this project:

Section 10.53(3)(d) - construction of public utilities.

b. Limited Project



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP:
DEP File Number
Document Transaction Number

City/Town \_\_\_\_\_

## C. Bordering Vegetated Wetland Delineation Methodology

Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:

**Online Users:**  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

1.  Final Order of Resource Area Delineation issued by Conservation Commission or DEP (attached)
2.  DEP BVW Field Data Form (attached)
3.  Final Determination of Applicability issued by Conservation Commission or DEP (attached)
4.  Other Methods for Determining the BVW Boundary (attach documentation):
  - a.  50% or more wetland indicator plants
  - b.  Saturated/inundated conditions exist
  - c.  Groundwater indicators
  - d.  Direct observation
  - e.  Hydric soil indicators
  - f.  Credible evidence of conditions prior to disturbance
5. Other resource areas delineated: Coastal beach, coastal bank.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

## D. Other Applicable Standards and Requirements

1. Is any portion of the proposed project located in estimated habitat as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program?
  - a.  Yes  No      If yes, include proof of mailing or hand delivery of NOI to:  
 Natural Heritage and Endangered Species Program  
 Division of Fisheries and Wildlife  
 Route 135, North Drive  
 Westborough, MA 01581
  - b. 2003-04  
Date of Map
2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
  - a.  Yes  No      If yes, include proof of mailing or hand delivery of NOI to:  
 Division of Marine Fisheries - Southeast Marine Fisheries Station  
 50A Portside Drive  
 Pocasset, MA 02559
  - b.  Not applicable – project is in inland resource area only
3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
  - a.  Yes  No      If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.
  - b. ACEC \_\_\_\_\_



**Massachusetts Department of Environmental Protection**  
**Bureau of Resource Protection - Wetlands**  
**WPA Form 3 – Notice of Intent**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP:

DEP File Number \_\_\_\_\_

Document Transaction Number \_\_\_\_\_

City/Town \_\_\_\_\_

**D. Other Applicable Standards and Requirements**

**Online Users:** Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
  - a.  Yes  No
  
5. Is any activity within any Resource Area or Buffer Zone exempt from performance standards of the wetlands regulations, 310 CMR 10.00.
  - a.  Yes  No If yes, describe which exemption applies to this project:  
 Section 10.58 (6) h - "Construction..regional wastewater treatment plants and their related structures, conveyance systems, and facilities, including utility
  
6. Is this project subject to the DEP Stormwater Policy?
  - a.  Yes  No

If yes, stormwater management measures are required. Applicants should complete the Stormwater Management Form and submit it with this form.

b. If no, explain why the project is exempt:  
No new impervious area proposed.

**E. Additional Information**

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
3.  Other material identifying and explaining the determination of resource area boundaries shown on plans (e.g., a DEP BVW Field Data Form).
4.  List the titles and dates for all plans and other materials submitted with this NOI.
5.  If there is more than one property owner, please attach a list of these property owners not listed on this form.
6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7.  Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8.  Attach NOI Wetland Fee Transmittal Form
9.  Attach Stormwater Management Form, if needed.



**Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands**

**WPA Form 3 – Notice of Intent**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP:
DEP File Number
Document Transaction Number
City/Town

**F. Fees**

The fees for work proposed under each Notice of Intent must be calculated and submitted to the Conservation Commission and the Department (see Instructions and NOI Wetland Fee Transmittal Form).

No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

1. Municipal Check Number	2. Check date
3. State Check Number	4. Check date
5. Payor name on check: First Name	6. Payor name on check: Last Name

**G. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

Signature of Applicant	Date
Signature of Property Owner (if different)	Date
<i>[Handwritten Signature]</i>	7-12-06
Signature of Representative (if any)	Date

**For Conservation Commission:**

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents; two copies of pages 1 and 2 of the NOI Wetland Fee Transmittal Form; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

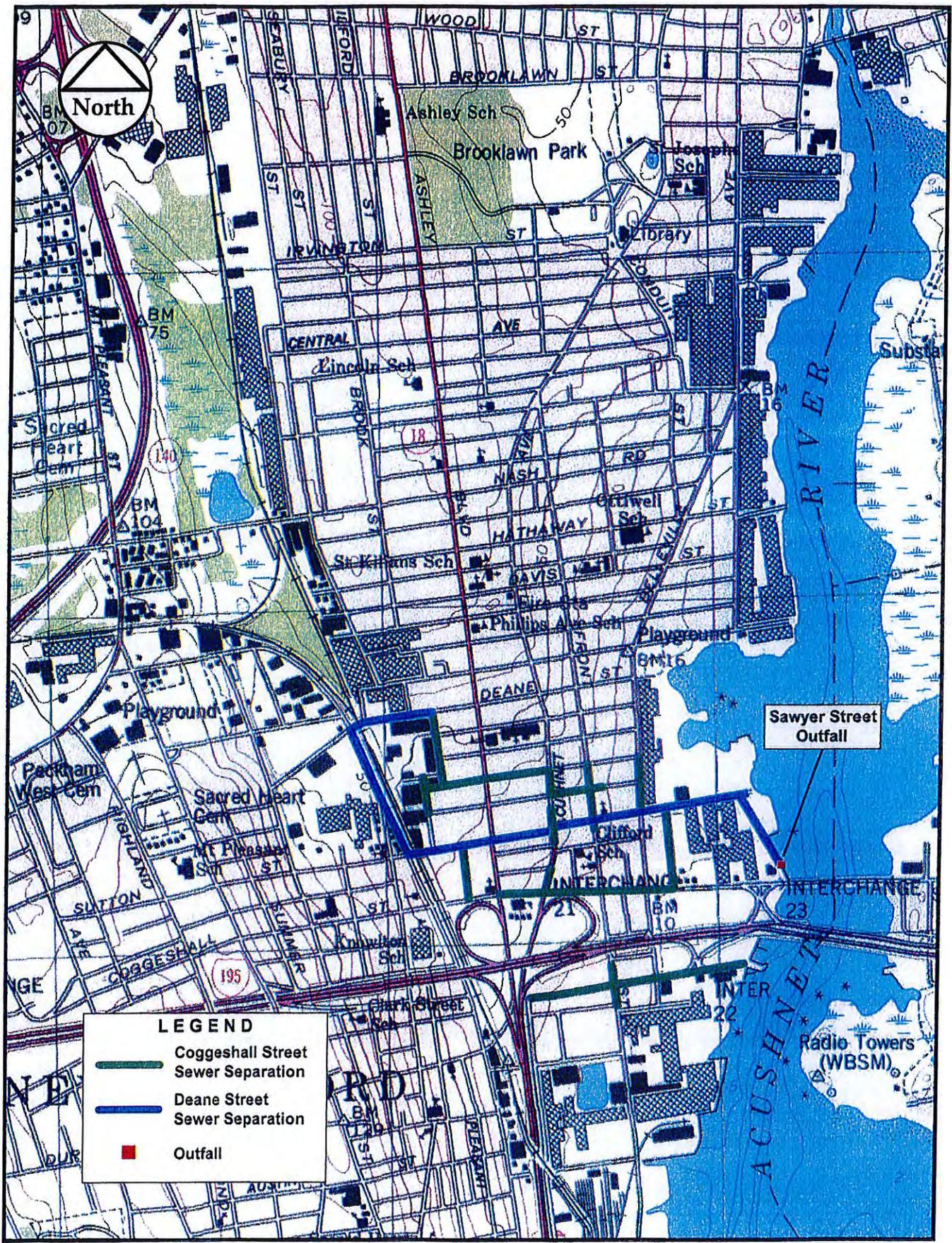
**For DEP:**

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents; one copy of pages 1 and 2 of the NOI Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the DEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

**Other:**

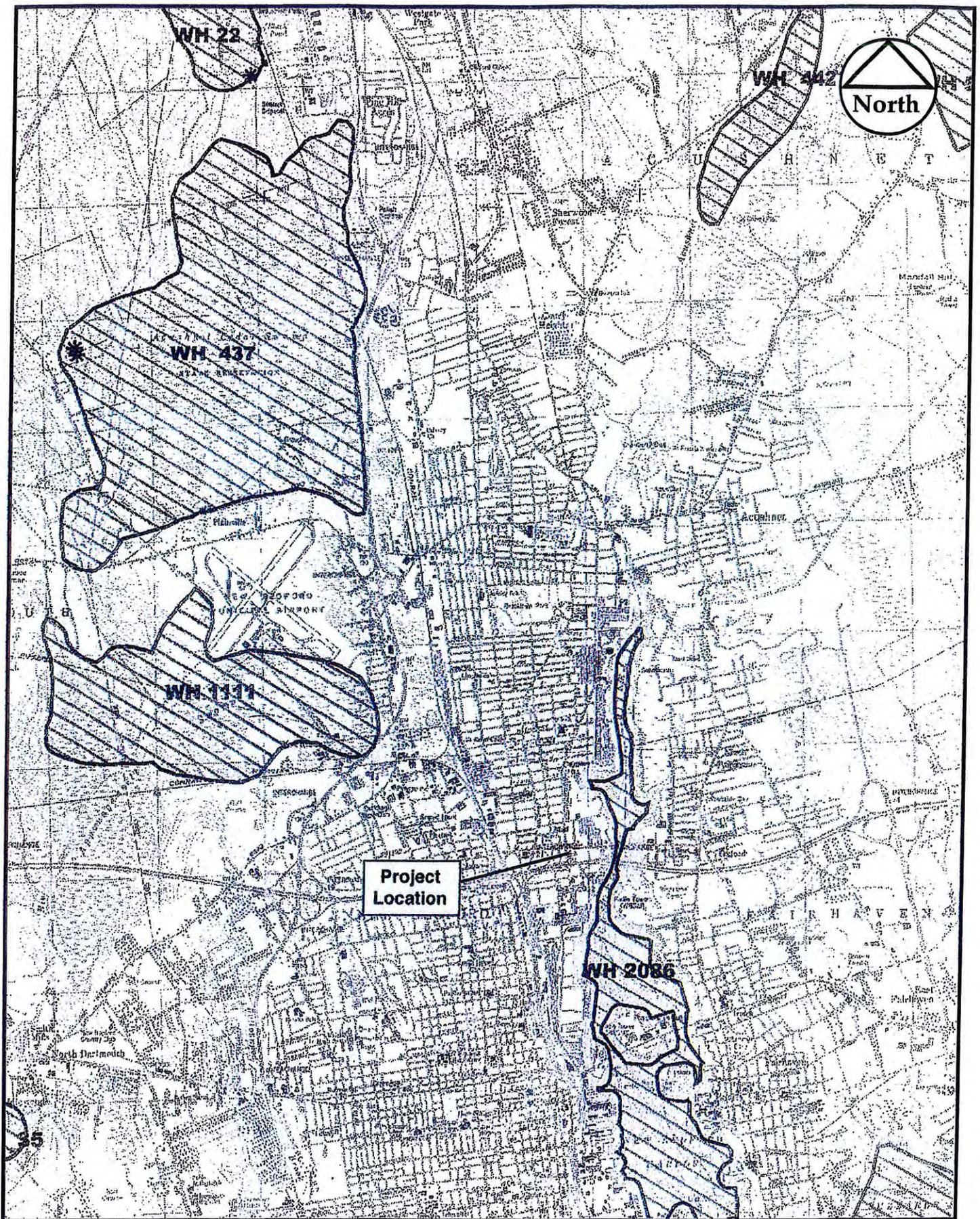
If the applicant has checked the "yes" box in any part of Section D, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



City of New Bedford, Massachusetts  
 Coggeshall Street & Deane Street Sewer Separation

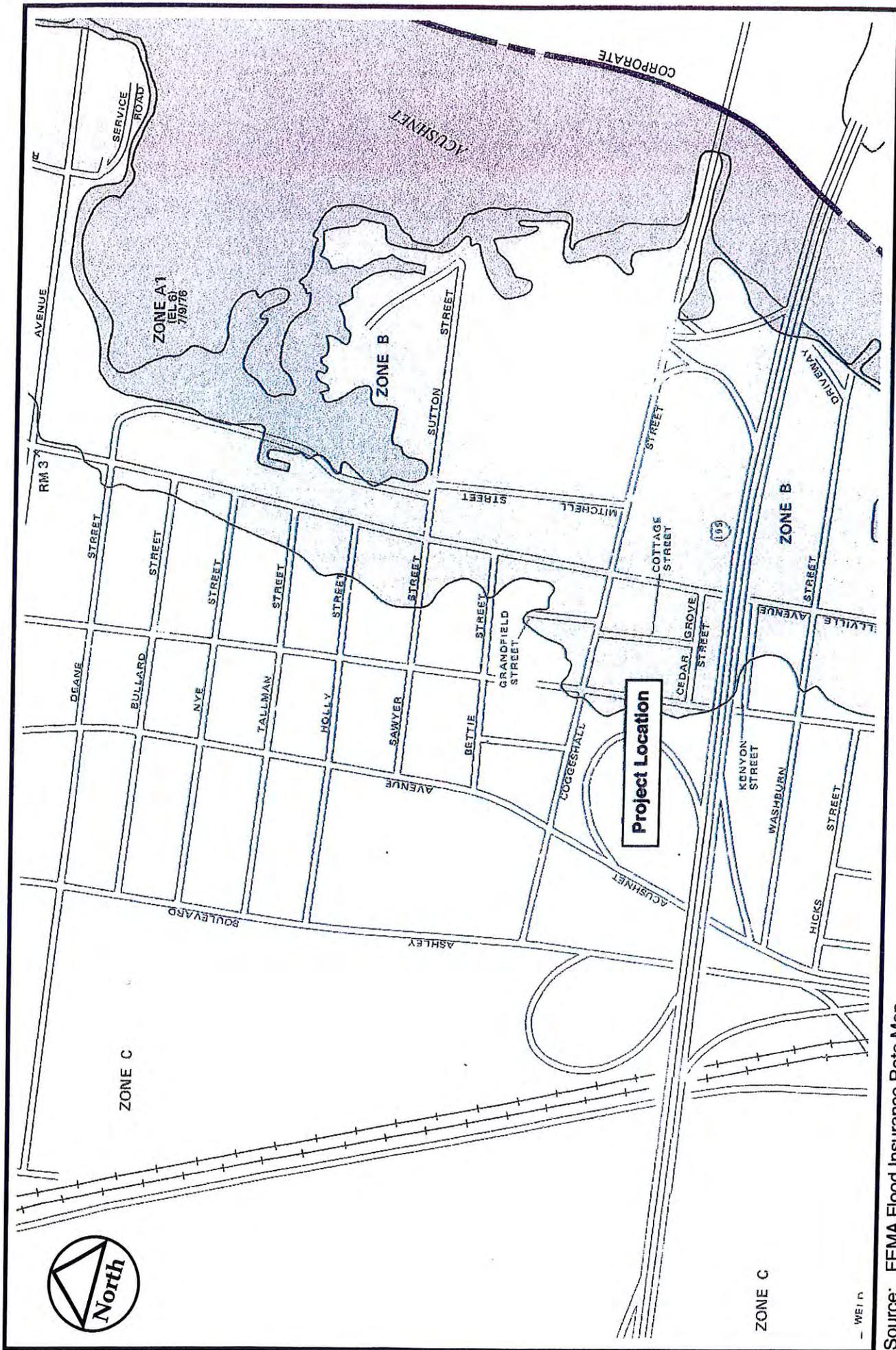
**Figure 1**  
**Project Location Map**



Source:  
 Massachusetts Natural Heritage Atlas  
 2003-2004 Edition: New Bedford North Quadrangle

City of New Bedford, Massachusetts  
 Coggeshall Street & Deane Street Sewer Separation

**Figure 2**  
**Estimated Habitats Map**



Source: FEMA Flood Insurance Rate Map  
 Community Panel 255216 0009B

City of New Bedford, Massachusetts  
 Coggeshall Street & Deane Street Sewer Separation

Figure 3  
 Flood Insurance Rate Map





**Attachment A**  
**Project Narrative**

# Attachment A

## Project Narrative

### 1.0 Project Description

This Notice of Intent (NOI) is being filed with the New Bedford Conservation Commission for the construction of the Coggeshall Street and Deane Street Sewer Separation Project (see Figure 1).

The Coggeshall Street and Deane Street Sewer Separation project is the second of three phases of sewer separation in the North End of the city. The first phase was the recently completed Earle Street Sewer Separation. The Coggeshall and Deane Street Sewer Separation will allow for the separation of approximately 160 acres of combined sewer. Construction is expected to begin in the fall 2006 and be completed by fall 2008 with roadway and sidewalk improvements being completed by spring 2009.

The Inner Harbor CSOs degrade the water quality of the Outer Harbor and affects receptors along its shoreline. In addition to reducing CSO discharges to the Inner Harbor, the project will reduce flooding within the City's main intercepting sewer and improve pumping station performance by diverting drain water that currently discharges to the sewer system. Work within this project is in the most densely developed urban area of the city. The proposed work includes:

- Converting existing combined sewer outfalls and overflow pipes to drains within Sawyer Street, Coggeshall Street and Washburn Street, improvements to the existing sewer and drainage systems and construction of new facilities including eight new cast-in-place structures and modification to or abandonment of two existing structures constructed by the Army Corps of Engineers.
- Separation of 11,800-ft of combined sewer tributary to the Coggeshall Street Pumping Station.
- Roadway and sidewalk reconstruction within the project area, including sidewalk upgrades and wheelchair ramps to meet the American's with Disabilities Act (ADA) requirements.
- Coordination with private utility for improvements to existing gas, electric, telephone and cable TV lines.

The total cost of the project is approximately \$22,100,000.

No work is proposed within wetlands resource areas, although modifications to the existing Sawyer Street outfall structure will take place below Mean High Water (MHW). Conversion of CSOs to drains within Sawyer Street and Washburn Street will result in temporary impacts to the 100-Foot Buffer Zone to Coastal Bank. Disturbed areas will be restored to pre-construction conditions. Sedimentation and

erosion control barriers will be placed at the limits of work within the 100-foot Buffer Zone as shown on Sheet Nos. 6, 7, 8, and 28.

The work described in this NOI is within areas subject to protection under the Act, but will not remove, fill, dredge, or alter a wetland resource area. This project qualifies as a Limited Project in accordance with Sections 10.53 (3)(d) of the Wetlands Protection Regulations, which includes *"The construction, reconstruction, operation and maintenance of underground and overhead public utilities, such as electrical distribution or transmission lines, or communication, sewer, water, and natural gas lines...."*

The following sections address the existing on-site wetland conditions and proposed measures to mitigate construction impacts.

## 2.0 Existing Conditions

The Coggeshall Street and Deane Street project area is located in the east-central part of the city and is generally bounded by Killburn Street on the south, Nye Street on the north, Brook Street on the west and the Inner Harbor on the east.

The following wetland resource areas are present within or adjacent to the project area.

### 2.1 Coastal Bank

A Coastal Bank is defined as:

*"The seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of a coastal beach, land subject to tidal action, or other wetland."* [310 CMR 10.30 (2)] Coastal Banks are presumed to be significant to *"storm damage prevention and flood control. Coastal banks that supply sediment to coastal beaches, coastal dunes and barrier beaches are per se significant to storm damage prevention and flood control. Coastal banks that, because of their height, provide a buffer to upland areas from storm waters are significant to storm damage prevention and flood control."* [310 CMR 10.30 (1)]

Coastal Bank resource area is found along the Acushnet River. The top of Coastal Bank was determined in accordance with the Definition and Delineation Criteria for Coastal Bank (DWW Policy 92-1, issued: March 3, 1992) and is shown on the attached project plans.

### Washburn Street

Wetland flags 1-1 through 1-5End and flags 2-1 through 2-5End demarcate the landward limits of Coastal Beach at the end of Washburn Street. The landward boundary of the Coastal Bank ranges from elevation 3 feet to the 100-year floodplain elevation of 3.45 (New Bedford datum) where the slope is greater than or equal to 10:1 but less than 4:1 (see Sheet No. 28). The bank is reinforced with riprap at the outfall pier. Coastal resources seaward of the coastal bank include a small area of Salt Marsh, Coastal Beach, and Tidal Flats (see Photo Nos. 1 and 2).



## Sawyer Street

The Coastal Bank along the Acushnet River at the end of Sawyer Street is steep and eroded with overhang. Coastal resources seaward of the bank include Land Under Ocean (see Photo No. 3).

## Sawyer Street Outfall

The Coastal Bank along the Acushnet River at the Sawyer Street Outfall are reinforced by riprap (see Photo Nos. 4, 5, and 6). The top of Coastal Bank ranges from elevation 5 feet along the natural bank south of the existing outfall to elevation 4 feet along the reinforced riprap bank. Coastal resources seaward of the bank include tidal flat and land under ocean.

### **2.2 Land Under Ocean**

Land Under Ocean is defined as:

*"land extending from the mean low water line seaward to the boundary of the municipality's jurisdiction and includes land under estuaries"* [310 CMR 10 25 (2)].

*Land Under the Ocean is likely to be significant to the "protection of marine fisheries and, where there are shellfish, to protection of land containing shellfish. Nearshore areas of land under the ocean are likely to be significant to storm damage prevention, flood control, and protection of wildlife habitat."* [310 CMR 10.25 (1)]

The Acushnet River is a tidal river.

### **2.3 Land Subject to Coastal Storm Flowage**

The FEMA Flood Insurance Rate Maps (See Figure 3) identifies the 100-year floodplain in the project area. According to this map, the 100-year floodplain elevation in the project area along Acushnet River is at elevation 6 feet, NGVD 29 (3.45 feet, City of New Bedford Vertical Datum).

### **2.4 Riverfront Area**

Riverfront Area is defined as:

*"the area of land between a river's mean annual high water line and a parallel line measured horizontally outward from the river and a parallel line located 200 feet away, except that the parallel line is located 25 feet away in ...New Bedford... In tidal rivers, the mean annual high-water line is coincident with the mean high water line determined under 310 CMR 10.23."* [310 CMR 10.58 (2)]

Riverfront Area is presumed significant to all eight interests of the Act. There is a 25-foot wide Riverfront Area associated with Acushnet River, per the Rivers Protection Act. However, Section 10.58 (6) (h) of the Wetlands Protection Regulations, states that construction of *"... wastewater treatment plants and their related structures, conveyance systems, and facilities, including utility lines"* are exempt from the requirements of the Riverfront Area, therefore no further discussion of Riverfront Area is provided. All

disturbed areas within the Riverfront Area will be restored to pre-construction conditions and will not result in the loss of Riverfront area.

## **3.0 Work Proposed within Resource Areas and the 100-foot Buffer Zone**

### **3.1 Project Locations**

Below are descriptions of the proposed work in filled tidelands for conversion of the existing combined sewer outfalls and overflow pipes to drains within Sawyer Street, Coggeshall Street, and Washburn Street.

#### **3.1.1 Sawyer Street Outfall**

Proposed work at the Sawyer Street CSO outfall will take place within the existing structure. This structure is below Mean High Water (el. 2.50 ft. New Bedford City datum) but no work will be performed in the river. Proposed work consists of removal of the chain link fence, guardrail and the roof slab of the structure which is at grade. Minimal excavation will be required for this work. A new tide gate valve will be installed within the existing structure. This valve will be either attached to a new cast-in-place wall within the structure or bolted to the wall of the existing structure. Some demolition work will also be necessary and will include removing some existing walls and a trash rack within the structure. A silt curtain will be installed around the structure to trap any sediment from entering the Acushnet River.

#### **3.1.2 Sawyer Street**

Work within the 100-foot Buffer Zone of Coastal Bank in Sawyer Street consists of replacing the existing 72-inch brick CSO and 12-inch under drains with a new 8-foot by 6-foot box culvert from the intersection of Sawyer Street and Belleville Avenue to the structure that the Army Corps of Engineers (ACOE) constructed to connect the 72-inch brick CSO in Sawyer Street to the Coggeshall Street storm sewer. The ACOE concrete structure will be abandoned in place. The roof slab will be removed and the structure will be filled with common fill. The new 8-foot by 6-foot box culvert will be connected to the existing 8-foot by 6-foot box culvert as shown on Sheet No. 6. The existing catch basin at the end of Sawyer Street will be removed and replaced. The new catch basin will be connected to the existing PVC drain that discharges to the Inner Harbor. In addition, two new cast-in place drain manhole will be installed over the new box culvert.

#### **3.1.3 Washburn Street**

Work within the 100-foot Buffer Zone in Washburn Street consists of installing a new 48-inch reinforced concrete drain, which will connect to the existing 30-inch pile supported combined CSO outfall at the end of Washburn Street via a cast-in-place connecting structure.

### 3.2 Construction Sequence

All of the piping will be installed in shallow trenches within previously disturbed areas. Where the trench will be excavated adjacent to waterfront, hay bales or sediment fence will be used to retain the trench spoil.

Construction will consist of open cut construction techniques requiring a trench varying in width from 7 to 8 feet for the 48-inch drain in Washburn Street to 15 feet for the 8-foot by 6-foot box culvert in Sawyer Street. The trench will be over excavated about 4 feet in depth in Washburn Street to remove naturally deposited organic soils. These soils will be hauled off and disposed of in an approved off-site upland location. For the Sawyer Street box culvert installation, soils will be stockpiled next to the trench after excavation. Following completion of trench excavation, crushed stone will be placed for bedding material (see Sheet No. C-5 for a typical trench detail). The drain pipes will be installed and the trench will be filled with suitable trench excavate or clean backfill material. Unsuitable trench material including old pavement will be disposed of in an approved upland location. The trench will be final graded and restored to match pre-construction grades and repaved. All paved areas will be patched and repaired to match existing street grades.

### 4.0 Mitigation Measures

No adverse impacts to wetland resource areas are anticipated to occur as a result of this project. The following precautions will be taken to prevent impacts to wetland resource areas. Please refer to Sheet No. C-1 for typical details of measures to protect wetland resource areas during and after construction.

- Placing hay bales and/or appropriate siltation devices at the limits of work within Washburn Street, Sawyer Street, and Coggeshall Street as shown on Sheet Nos. 6 and 28 and Figure 4;
- Storm drain inlet protection will be provided for all storm drains which will collect runoff from the work area (see Sheet No. C-1). This protection will prevent sediment from entering the storm drain system and being conveyed to wetlands or waterways;
- A turbidity curtain will be installed around the Coggeshall Street CSO outfall to trap any sediment entering the Acushnet River;
- Stockpiled soils within the Buffer Zone will be enclosed within a line of staked silt fence or hay bales to prevent erosion or siltation into resource areas. The silt fence/hay bale barrier will be inspected weekly and after all storm events and repaired as needed. The barrier will be left in place until the area is permanently stabilized. Hay bales will be replaced as necessary due to sediment build-up and degradation;
- Work will proceed as rapidly as possible. Limiting the exposure time of disturbed soil to wind and precipitation will minimize the soil erosion and subsequent sedimentation;

- Restoring all existing contours to existing conditions and repaving disturbed areas or permanently stabilizing unpaved areas with grass to prevent erosion;
- In the event that dewatering is necessary, water will be discharged to adjacent upland areas or will be treated through a stilling basin. The NPDES dewatering permit will be obtained by the Contractor, if needed;
- Maintenance and refueling of vehicles will take place outside of all resource areas and the 100-Foot Buffer Zone to Coastal Bank;
- A supply of "speedy dry," oil absorbent pads, or an approved equivalent will be maintained with the construction equipment at all times which will be used to contain any accidental release of oil or other petroleum products during the field work; and
- The silt fence and/or hay bale barriers will not be removed until disturbed areas are stabilized.

## 5.0 Summary

No permanent impacts to wetland resource areas are anticipated from this project. The interests of the Wetlands Protection Act will not be impaired as a result of this project and all appropriate erosion and sedimentation control measures will be implemented throughout the course of construction to prevent the transport of sediment to adjacent wetland resource areas. The work is proposed to reduce CSO discharges to the Inner Harbor. All disturbances to Resource Areas will be temporary and the work area will be restored to pre-construction conditions and repaved upon completion of the work.

**Attachment B**

**Abutters Notification Information**

*[Handwritten Signature]*

Administrative Assistant to the Board of Assessors of the City of New Bedford, do hereby certify that the names and addresses as identified on the attached "Abutters List" are duly recorded and appear on the most recent tax list.

Date: 07/2/06

SUBJECT PROPERTY:

MAP \_\_\_\_\_ LOT see attached list

LOCATION Various - Coggeshall St. and Deane St.

OWNER NAME Various Sewer Separation

MAILING ADDRESS CDM Inc. 50 Hampshire St. Cambridge

CONTACT PERSON Magdalena Lofstedt MA 0213

TELEPHONE NUMBER 617-452-2657

REASON FOR REQUEST:

Notice of Intent Filing with New Bedford Conservation Commission

C/SO (COMBINED SEWER OVERFLOW) IN THE STREET

RIVER SO NO. MAP & LOTS

- ① End of Washburn St., End of Sawyer St.,
- ②
- ③ Acusnet River.

CERTIFIED ABUTTERS LIST

(As required under Chapter 40 A, Section 11, Massachusetts General Laws)

MAP/LOT	OWNER	DIRECT ABUTTERS	MAILING ADDRESS
86/25	City of New Bedford	133 William St.	New Bedford MA 02740
86/20	North Wharf Trust Ralph M. Pecher Jr.	c/o Dorothy P. Pecher,	RFD 275, Vineyard Haven, MA 02568
86/22	Russell B. Robinson	264 Irving Ave.	Providence, RI 02906
86/3	North Wharf Trust	c/o Dorothy P. Pecher,	RFD 275, Vineyard Haven, MA 02568
86/12	City of New Bedford	INTERCEPTING SEWER	131 William St. New Bedford, MA 02740
93/265	United States of America	c/o Army Corps of Engineers	696 Virginia Rd. Concord MA 0174
93/120	City of New Bedford	(UNITED STATES OF AMERICA)	133 William St. New Bedford
93/263	Apalach Realty Trust	P.O. Box 23	Westport MA 02790

CERTIFIED ABUTTERS LIST

(As required under Chapter 40 A, Section 11, Massachusetts General Laws)

MAP/LOT	OWNER	DIRECT ABUTTERS	MAILING ADDRESS
93/255	Elaine Elias Clo 7-11 Inc.	45 Coggesh-11 Street Realty Trust, Dallow, TX 75221-0711	P.O. Box 1
93/262	City of New Bedford	133 William St. New Bedford	
93/264	John J. Meldon <del>Meldon</del> Second Futures R.E. Trust	60 N WATER ST NEW BEDFORD MA 02040	P.O. Box 10, Chatham, MA 01633

NOTIFICATION TO ABUTTERS UNDER THE  
MASSACHUSETTS WETLANDS PROTECTION ACT

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

- A. The name of the applicant is **City of New Bedford**.
- B. The applicant has filed a Notice of Intent with the **New Bedford Conservation Commission** seeking permission to remove, fill, dredge or alter an Area Subject to Protection Under the Wetlands Protection Act (MGL Chp. 131, Sec. 40)\*.
- C. The address of the lot where the activity is proposed is **Washburn Street, Sawyer Street, and Coggeshall Street**.
- D. The Notice of Intent may be examined at the **New Bedford Conservation Commission Office at City Hall, 133 William Street**, between the hours of **8:00 AM and 4:00 PM Monday through Friday**. Information regarding the time, date, and place of the Public Hearing may also be obtained from the **New Bedford Conservation Commission**. For information call **(508) 991-6188**.
- E. Information on the Notice of Intent may be obtained from **Camp Dresser and McKee, Inc. One Cambridge Place, 50 Hampshire Street, Cambridge Center, Cambridge, MA 02139**, Attn: Magdalena Lofstedt or by calling (617) 452-6597 between 9 AM and 4 PM Monday through Friday.

NOTE: Notice of Public Hearing, including its date, time and place will also be published at least five (5) days in advance in **Standard Times**. You may also contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or the Wetlands Protection Act. To contact the Department of Environmental Protection, call the **Southeast Regional Office at (508) 946-2714**.

\*This project involves converting existing combined sewer outfalls and overfbw pipes to drains within Sawyer Street, Coggeshall Street and Washburn Street, improvements to the existing sewer and drainage systems and construction of new facilities including 8 new cast-in-place structures and modification to two existing structures constructed by the Army Corps of Engineers. Work will occur within Land under Ocean within the Coggeshall Street outfall structure and within the 100-foot Buffer Zone.

**AFFIDAVIT OF SERVICE**

Under the Massachusetts Wetlands Protection Act

(to be submitted to the Massachusetts Department of Environmental Protection and the Conservation Commission when filing a Notice of Intent)

I, Magdalena Lofstedt, hereby certify under the pains and penalties of perjury that on **July 13, 2006**, I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by the City of New Bedford with the New Bedford Conservation Commission on **July 13, 2006** for the the Coggeshall & Deane Street Sewer Separation Project.

The form of notification, and a list of the abutters to whom it was given and their addresses, are attached to this Affidavit of Service.

Magdalena Lofstedt  
Name

7-13-06  
Date

**Attachment C**

**Photographs**



Photo No. 1: Washburn Street



Photo No. 2: Coastal Bank and Coastal Beach at end of Washburn Street



Photo No. 3: Sawyer Street

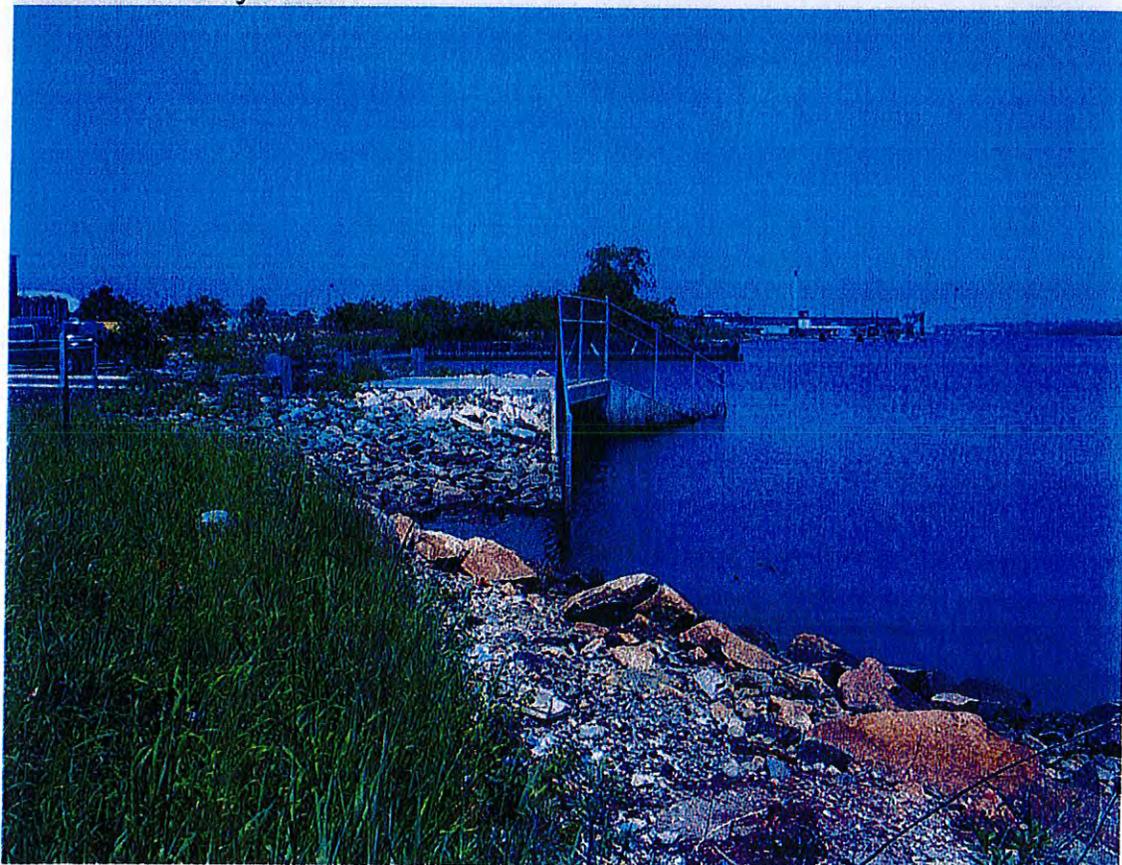


Photo No. 4: Sawyer Street Outfall and Coastal Bank

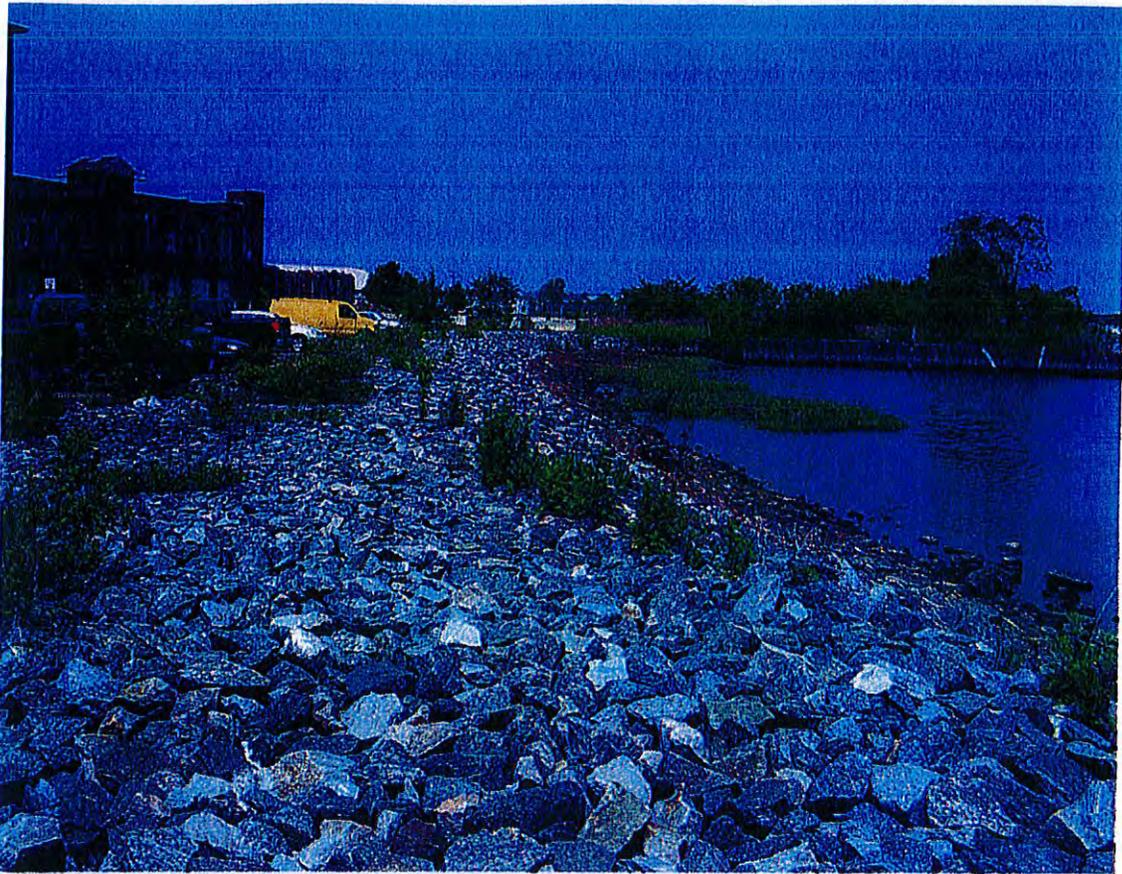


Photo No.5: Riprap Coastal Bank at Sawyer Street Outfall



Photo No. 6: Sawyer Street Outfall

**Attachment D**

**Construction Specifications**

## SECTION 01110

### ENVIRONMENTAL PROTECTION PROCEDURES

#### PART 1 GENERAL

##### 1.01 SCOPE OF WORK

- A. Furnish all labor, materials and equipment and perform all work required for the prevention of environmental pollution in conformance with applicable laws and regulations, during and as the result of construction operations under this Contract. For the purpose of this Section, environmental pollution is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to man; or degrade the utility of the environment for aesthetic and/or recreational purposes.
- B. The control of environmental pollution requires consideration of air, water and land, and involves management of noise and solid waste, as well as other pollutants.
- C. Schedule and conduct all work in a manner that will minimize the erosion of soils in the area of the work. Provide erosion control measures such as diversion channels, sedimentation or filtration systems, berms, staked hay bales, seeding, mulching or other special surface treatments as are required to prevent silting and muddying of streams, rivers, impoundments, lakes, etc. All erosion control measures shall be in place in an area prior to any construction activity in that area. Specific requirements for erosion and sedimentation controls are specified in Section 02270.
- D. This Section is intended to ensure that construction is achieved with a minimum of disturbance to the existing ecological balance between a water resource and its surroundings. These are general guidelines. It is the Contractor's responsibility to determine the specific construction techniques to meet these guidelines.
- E. All phases of sedimentation and erosion control shall comply with and be subject to the approval of the Massachusetts Department of Environmental Protection and the New Bedford Conservation Commission. Prepare a sedimentation and erosion control drawing meeting the requirements for approval by that agency. Upon approval, furnish two copies of the approved Drawing to the Engineer.

##### 1.02 APPLICABLE REGULATIONS

- A. Comply with all applicable Federal, State and local laws and regulations concerning environmental pollution control and abatement.

##### 1.03 NOTIFICATIONS

- A. The Engineer will notify the Contractor in writing of any non-compliance with the foregoing provisions or of any environmentally objectional acts and corrective action to be taken. State or local agencies responsible for verification of certain aspects of the environmental protection requirements shall notify the Contractor in writing, through the Engineer, of any non-compliance with State or local requirements. After receipt of such notice from the Engineer or from the regulatory agency through the Engineer, immediately take corrective action. Such notice, when delivered to the Contractor or his authorized representative at the site of the work, shall be

deemed sufficient for the purpose. If the Contractor fails or refuses to comply promptly, the Owner may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to any such stop orders shall be made the subject of a claim for extension of time or for excess costs or damages by the Contractor unless it is later determined that the Contractor was in compliance.

#### 1.04 IMPLEMENTATION

- A. Prior to commencement of the work, meet with the Engineer to develop mutual understandings relative to compliance with these provisions and administration of the environmental pollution control program.
- B. Remove temporary environmental control features, when approved by the Engineer and incorporate permanent control features into the project at the earliest practicable time.

#### PART 2 PRODUCTS (NOT USED)

#### PART 3 EXECUTION

##### 3.01 EROSION CONTROL

- A. Provide positive means of erosion control such as shallow ditches around construction to carry off surface water. Erosion control measures, such as siltation basins, hay check dams, mulching, jute netting and other equivalent techniques, shall be used as appropriate. Offsite surface water shall be diverted around the site, to a downstream channel ahead of siltation barriers. Flow of surface water into excavated areas shall be prevented. Ditches around construction area shall also be used to carry away water resulting from dewatering of excavated areas. At the completion of the work, ditches shall be backfilled and the ground surface restored to original condition.

##### 3.02 PROTECTION OF STREAMS AND SURFACE WATERS

- A. Take all precautions to prevent, or reduce to a minimum, any damage to any stream or surface water from pollution by debris, sediment or other material, or from the manipulation of equipment and/or materials in or near such streams. Water that has been used for washing or processing, or that contains oils or sediments that will reduce the quality of the water in the stream, shall not be directly returned to the stream. Divert such waters through a settling basin or filter before being directed into streams or surface waters.
- B. Do not discharge water from dewatering operations directly into any live or intermittent stream, channel, wetlands, surface water or any storm sewer. Water from dewatering operations shall be treated by filtration, settling basins, or other approved method to reduce the amount of sediment contained in the water to allowable levels.
- C. Take all preventative measures to avoid spillage of petroleum products and other pollutants. In the event of any spillage, prompt remedial action shall be taken in accordance with a contingency action plan approved by the Massachusetts Department of Environmental Protection. Submit two copies of approved contingency plans to the Engineer.

- D. Water being flushed from structures or pipelines after disinfection, with a Cl<sub>2</sub> residue of 2 mg/l or greater shall be treated with a dechlorination solution, in a method approved by the Engineer, prior to discharge.

### 3.03 PROTECTION OF LAND RESOURCES

- A. Restore land resources within the project boundaries and outside the limits of permanent work to a condition, after completion of construction, that will appear to be natural and not detract from the appearance of the project. Confine all construction activities to areas shown on the Drawings.
- B. Outside of areas requiring earthwork for the construction of the new facilities, do not deface, injure, or destroy trees or shrubs, nor remove or cut them without prior approval. No ropes, cables, or guys shall be fastened to or attached to any existing nearby trees for anchorage unless specifically authorized by the Engineer. Where such special emergency use is permitted, first wrap the trunk with a sufficient thickness of burlap or rags over which softwood cleats shall be tied before any rope, cable, or wire is placed. The Contractor shall in any event be responsible for any damage resulting from such use.
- C. Before beginning operations near them, protect trees that may possibly be defaced, bruised, injured, or otherwise damaged by the construction equipment, dumping or other operations, by placing boards, planks, or poles around them. Monuments and markers shall be protected similarly.
- D. Any trees or other landscape features scarred or damaged by the Contractor's equipment or operations shall be restored as nearly as possible to their original condition. The Engineer will decide the method of restoration to be used and whether damaged trees shall be treated and healed or removed and disposed of.
  - 1. All scars made on trees by equipment, construction operations, or by the removal of limbs larger than 1-in in diameter shall be coated as soon as possible with an approved tree wound dressing. All trimming or pruning shall be performed in an approved manner by experienced workmen with saws or pruning shears. Tree trimming with axes will not be permitted.
  - 2. Climbing ropes shall be used where necessary for safety. Trees that are to remain, either within or outside established clearing limits, that are subsequently damaged by the Contractor and are beyond saving in the opinion of the Engineer, shall be immediately removed and replaced.
- E. The locations of the Contractor's storage and other construction buildings, required temporarily in the performance of the work, shall be cleared portions of the job site approved by the Engineer and shall not be within wetlands or floodplains. The preservation of the landscape shall be an imperative consideration in the selection of all sites and in the construction of buildings. Drawings showing storage facilities shall be submitted for approval of the Engineer.
- F. Remove all signs of temporary construction facilities such as haul roads, work areas, structures, foundations of temporary structures, stockpiles of excess of waste materials, or any other vestiges of construction as directed by the Engineer. It is anticipated that excavation, filling and plowing of roadways will be required to restore the area to near natural conditions which will permit the growth of vegetation thereon. The disturbed areas shall be prepared and seeded as described in Section 02930, or as approved by the Engineer.

- G. All debris and excess material will be disposed of outside wetland or floodplain areas in an environmentally sound manner.

#### 3.04 PROTECTION OF AIR QUALITY

- A. Burning - The use of burning at the project site for the disposal of refuse and debris will not be permitted.
- B. Dust Control - Maintain all excavations, embankment, stockpiles, access roads, plant sites, waste areas, borrow areas and all other work areas within or without the project boundaries free from dust which could cause the standards for air pollution to be exceeded and which would cause a hazard or nuisance to others.
- C. An approved method of stabilization consisting of sprinkling or other similar methods will be permitted to control dust. The use of petroleum products is prohibited. The use of chlorides may be permitted with approval from the Engineer.
- D. Sprinkling, to be approved, must be repeated at such intervals as to keep all parts of the disturbed area at least damp at all times, and the Contractor shall have sufficient competent equipment on the job to accomplish this. Dust control shall be performed as the work proceeds and whenever a dust nuisance or hazard occurs, as determined by the Engineer.

#### 3.05 NOISE CONTROL

- A. Make every effort to minimize noises caused by the construction operations. Equipment shall be equipped with silencers or mufflers designed to operate with the least possible noise in compliance with Federal and State regulations.

#### 3.06 MAINTENANCE OF POLLUTION CONTROL FACILITIES DURING CONSTRUCTION

- A. Maintain all facilities constructed for pollution control as long as the operations creating the particular pollutant are being carried out or until the material concerned has become stabilized to the extent that pollution is no longer being created.

END OF SECTION

SECTION 01170

SPECIAL PROVISIONS

PART 1 GENERAL

1.01 GENERAL OBLIGATIONS OF THE CONTRACTOR

- A. General obligations of the Contractor shall be as set forth in the Contract Documents. Unless special payment is specifically provided in Section 01025, all incidental work and expense in connection with the completion of work under the Contract will be considered a subsidiary obligation of the Contractor and all such costs shall be included in the appropriate items in the Bid Form in connection with which the costs are incurred.

1.02 SITE INVESTIGATION

- A. The Contractor shall satisfy himself as to the conditions existing within the project area, the type of equipment required to perform the work, the character, quality and quantity of the subsurface materials to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, as well as from information presented by the Drawings and related Sections. Any failure of the Contractor to acquaint himself with the available information will not relieve him from the responsibility for estimating properly the difficulty or cost of successfully performing the work. The Owner assumes no responsibility for any conclusions or interpretation made by the Contractor on the basis of the information made available by the Owner.
- B. Contractor is advised that dry weather flow occurs within the existing brick conduit in Sawyer Street shown on Sheet Nos. 9 through 12, the 48-in conduit in Purchase Street shown on Sheet Nos. 12 through 14, the 42-in and 24-in pipes in Deane Street shown on Sheet No. 14, the 18-in and 12-in pipes in Coggeshall Street, the 15-in pipe in Sawyer Street and Mitchell Street and all other sanitary and combined sewers and must be prepared to handle flows.
- C. At no point shall wastewater service be interrupted during the project. Contractor should be aware that the Coggeshall Street Pumping Station is located at the intersection of Belleville Avenue and Coggeshall Street.
- D. The Contractor is advised that significant stormwater flow occurs in the system during periods of rainfall. The following are estimated peak flow rates for the existing pipes.

Sheet No.	Sta.	Existing Pipe Size	Peak Flow 2-year storm
3		24-in	53 cfs
6	0+00	72-in	140 cfs
8		30-in	30 cfs
9		48-in	110 cfs
12	0+00	60-in	92 cfs
12	0+00	48-in	75 cfs
12	0+00	36-in	10 cfs
14	3+11	42-in	71 cfs
28	0+00	30-in	15 cfs

Formatted: No underline

Deleted: 6/29/2006

Deleted: 6/28/2006

1.03 COORDINATION WITH LOCAL AGENCIES

- A. Supply the Local Police Department, Fire Department, School Department, Conservation Commission and the Department of Public Infrastructure with the following information.
  - 1. A list of streets and intersections where work will be in progress to be supplied at intervals as required by the Engineer.
  - 2. Areas where approved detours are in effect.
  - 3. Immediate notification of any drain, gas or water main breaks.
- B. Reimburse the Owner for the actual cost of the services of Water Department Personnel required during other than regular working hours. The emergency contact number for the Water Department during non-business hours is 508-979-1550.
- C. Maintain pavement as specified in Division 2 and provide the Public Works Department with an address where the Contractor may be reached when not at the site. Upon notification by the Owner or the Engineer, promptly make such repairs as necessary to paved surfaces. The Contractor shall meet all requirements of the New Bedford Department of Public Infrastructure for Pavement restoration.

1.04 PUBLIC UTILITIES

- A. Comply with the requirements of the Commonwealth of Massachusetts Statute - Chapter 82, Section 40, for excavations in public and private property. Compliance shall include the following:
  - 1. Notify public utility companies in writing at least 72 hours (excluding Saturdays, Sundays and legal holidays) but not more than 30 days before excavating in areas where underground utility plant (pipes, cables, manholes, etc) exist.
  - 2. Provide the Utility Companies with a schedule of the activities in areas where the utilities exist.
  - 3. Notify utility companies of any damage to their utilities resulting from construction operations.
- B. Notify DIGSAFE at 1-888-344-7233 at least 72 hours before digging, trenching, blasting, demolishing, boring, backfilling, grading, landscaping or other earth moving operations in any public ways, rights of way and easements.

1.05 PROGRESS SCHEDULE

- A. Submit a progress schedule before starting any work, in accordance with Article 2.05B of the General Conditions.
- B. Review the progress schedule with the Engineer on a monthly basis or more frequently as required by the Engineer. The progress schedule shall be adjusted as required in accordance with the General Conditions.

Deleted: 6/29/2006  
Deleted: 6/28/2006

~~7/12/2006~~

1.06 PROVISIONS FOR CONTROL OF EROSION

- A. Take sufficient precautions during construction to minimize the run-off of polluting substances such as silt, clay, fuels, oils, bitumens and calcium chloride into the supplies and surface waters of the State. Special precautions shall be taken in the use of construction equipment to prevent operations which promote erosion.
- B. Disposal of drainage shall be in an area approved by the Owner. Prevent the flow or seepage of drainage back into the drainage area. Drainage shall not be disposed of until silt and other sedimentary materials have been removed. Particular care shall be taken to prevent the discharge of unsuitable drainage to a water supply or surface water body.
- C. Measures for control of erosion shall be adequate to assure that turbidity in the receiving water will not be increased more than 10 standard turbidity units (s.t.u.), or as otherwise required by the State or other controlling body, in waters used for public water supply or fish unless limits have been established for the particular water. In surface water used for other purposes, the turbidity shall not exceed 25 s.t.u. unless otherwise permitted.

1.07 PERMITS

- A. Obtain all necessary permits required for proper execution of the project. Fill out all forms and furnish all drawings required to obtain the permits. A copy of each permit shall be submitted to the Engineer. All fees associated with these permits shall be paid by the Contractor as part of the work. Work shall not commence on any phase of the work requiring a permit until the permit is obtained.
- B. Obtain required street opening permits for excavations within streets or sidewalk areas.
- C. Contractor shall strictly follow the requirements of Chapter 22, Article II Section 28-39 of the New Bedford City Code (latest version) which includes requirements that all applications for permits to disturb City street surfaces for any reason including the installation or repair of sewer and drainage pipes must be accompanied by a certified check in an amount to be determined by the Commissioner of the New Bedford Department of Public Infrastructure (DPI). Contractor is responsible for all fees required by the City of New Bedford in obtaining these permits with the DPI. Contractor shall determine the current permitting fees prior to submitting the Bid for this project and the Contractor shall be solely responsible for paying all permitting fees.

This check is to be held by the DPI as surety that the disturbed street surface will be properly and permanently repaired by the applicant, and will be refunded to the applicant upon certification by a City Inspector that the repair is satisfactory. Any minor expenses incurred by the City arising from the pavement disturbance will be deducted from the surety check before refunding same. Major expenses will continue to be handled through the applicant's bonding company as in the past.

Any complaints requiring deductions from the surety deposit will be noted in the applicant's performance record in the DPI Engineering Office, and can be considered cause for refusal of future permits.

Deleted: 6/29/2006  
Deleted: 6/28/2006

The same Ordinance amendment also makes positive the three year period following the completion of a street pavement repair during which the applicant is held responsible for the condition of the repair.

1.08 DISRUPTIONS TO THE EXISTING SYSTEM

- A. Make test excavations to locate existing water mains, sewer pipes, drain pipes etc. where shown on the Drawings. If during the course of the excavation, for whatever reason the existing utility is caused to fail, restore the service in the shortest possible time, working around the clock in necessary. Cooperate with the Owner or Utility Company in supplying emergency service in necessary.

1.09 COOPERATION BY THE OWNER

- A. The Owner will within 48-hours of notice from the Contractor, operate all valves for isolating water mains, and for draining or admitting water to various sections of the main, and at the request of the Contractor, dewater such sections of the mains to the extent possible by gravity, but the Contractor shall be responsible for removing the remainder of the water. No damage shall be claimed by the Contractor for delays in isolating pipelines, dewatering pipelines whether or not such dewatering is done by him/her or the Owner nor shall any damage be claimed because water leakage through closed valves after dewatering is completed. The Owner will be responsible for shutting down the necessary lines to allow the Contractor to install and restrain new valves as shown on the Drawings.
- B. The Owner will refill the mainline and sideline connections in various sections of the work after pipe has sterilized by the Contractor. All air must be purged from the mains before they can be re-pressurized, and the Contractor shall have no claim for delay while the Owner accomplishes this. The Owner may require the Contractor to make the required tap for this purpose.

1.10 TRAFFIC AT STREET INTERSECTIONS

- A. The Contractor shall minimize interferences with the normal flow of traffic at all street intersections. The Contractor shall take all actions ordered by the Engineer to minimize the time his vehicles are located at street intersections. The Contractor shall establish work zones and pedestrian safety per the Manual on Uniform Traffic Control Devices, 2000, of the MassHighway Standard Specifications, the Contract Plans and these Specifications.

END OF SECTION

Deleted: 6/29/2006  
Deleted: 6/28/2006

## SECTION 02140

### DEWATERING AND DRAINAGE

#### PART 1 GENERAL

##### 1.00 STATUTORY REQUIREMENTS

- A. Obtain and pay for all permits required for temporary dewatering and drainage systems.
- B. Original permits shall be prominently displayed on the site prior to constructing dewatering and drainage systems.

##### 1.01 SCOPE OF WORK

- A. Design, furnish, install, operate, monitor, maintain and remove temporary dewatering and drainage systems as required and lower and control water levels to at least 2 feet below the lowest level of the excavation to permit construction in the dry.
- B. Furnish the services of a licensed professional engineer registered in the Commonwealth of Massachusetts, to prepare dewatering and drainage system designs and submittals.
- C. Furnish, maintain and remove temporary surface water control measures that are adequate to drain and remove surface water entering excavations.
- D. Collect and properly dispose of all discharge water from dewatering and drainage systems in accordance with State and local requirements and permits.
- E. Protect all adjacent facilities and structures from damage due to dewatering and drainage system equipment and operations.
- F. Remove temporary dewatering and drainage systems when no longer needed. Restore all disturbed areas.

##### 1.02 DESIGN AND PERFORMANCE RESPONSIBILITY

- A. The Contractor shall be solely responsible for the proper design and execution of methods for controlling surface water and groundwater.
- B. The Contractor shall be solely responsible for damage to properties, buildings or structures, sewers and other utility installations, pavements and work that may result from dewatering or surface water control operations.
- C. Any design review and field monitoring activities by the Owner or of the Engineer shall not relieve the Contractor of his/her responsibilities for the work.

##### 1.03 RELATED WORK

- A. Trenching, Backfilling and Compaction are included in Section 02221.

##### 1.04 SUBMITTALS

- A. At least 2 weeks prior to the start of construction in any areas of anticipated dewatering, submit to the Engineer for review, a proposed initial dewatering and drainage plan. The dewatering and drainage submittal should include shop drawings and a written description of proposed system layout, design methodology including calculations and the proposed installation methods to be used. The submittal shall include descriptions of the dewatering and drainage system, observation wells, equipment, drilling methods, holes sizes, filter sand placement techniques, sealing materials, development techniques, etc. Do not proceed with construction in any of these areas until the initial plan has been reviewed and commented upon by the Engineer. It is expected that the initial plan may have to be modified to suit the variable soil/water conditions to be encountered along the route.
- B. Dewatering and drainage system designs shall be prepared by a licensed professional engineer, registered in the Commonwealth of Massachusetts, having a minimum of 5 years of professional experience in the design and construction of dewatering and drainage systems. Submit an original and three copies of the licensed professional engineer's certification, on the PE form specified in Section 01300, stating that the dewatering and drainage system designs have been prepared by the professional engineer and that the professional engineer will be responsible for their execution.
- C. Coordinate dewatering and drainage submittals with the excavation and excavation support submittals.

#### 1.05 DEFINITIONS

- A. Where the phrase "in-the-dry" is used in this Section, it shall be defined as an excavation subgrade where the groundwater level has been lowered to at least 2 feet below the lowest level of the excavation, is stable with no ponded water, mud, or muck and shall be able to support construction equipment without rutting or disturbance and shall be suitable for the placement and compaction of fill material, pipe or concrete foundations.

#### PART 2 PRODUCTS

- A. Pipe for observation wells shall consist of minimum 1-in I.D. Schedule 80 PVC pipe and machine slotted PVC wellpoints, maximum slot size 0.020 inch.

#### PART 3 EXECUTION

##### 3.01 GENERAL

- A. Methods of groundwater control may include but are not limited to perimeter trenches and sump pumping, perimeter groundwater cutoff, well points, ejectors, deep wells and combinations thereof.
- B. Control surface water and groundwater such that excavation to final grade is made in the dry and bearing soils are maintained undisturbed. Prevent softening, or instability of, or disturbance to, the subgrade due to water seepage. All construction and backfilling shall proceed in the dry and flotation of completed portions of the work shall be prohibited.
- C. The Contractor shall consider the impact of anticipated subsurface soil/water when selecting methods of excavation and temporary dewatering and drainage systems. Where groundwater levels are above the proposed bottoms of excavation, a pumped dewatering system is expected for predrainage of the soils to at least 2.0 feet below the lowest level of the excavation until construction has been completed to such an extent that the foundation, structure, pipe, conduit, or fill will not be floated or otherwise damaged. The type of dewatering system, spacing of

dewatering units and other details of the work are expected to vary with soil/water conditions at a particular location.

- D. Dewatering and drainage operations shall be conducted in a manner that does not cause loss of ground or disturbance to the soil that supports overlying or adjacent utilities or structures.

### 3.02 SURFACE WATER CONTROL

- A. Control surface water runoff to prevent flow into excavations. Provide temporary measures such as dikes, ditches and sumps.

### 3.03 EXCAVATION DEWATERING

- A. Provide and maintain adequate equipment and facilities to remove promptly and dispose of properly all water entering excavations. Excavations shall be kept in-the-dry, so as to maintain an undisturbed subgrade condition throughout construction below grade, including construction of foundations, pipe installation, and backfill placement.
- B. Pipe and conduit shall not be installed in water or allowed to be submerged within 24 hours after being placed or prior to backfilling. Pipe and conduit which becomes submerged shall be removed and the excavation dewatered and restored to proper conditions prior to reinstalling the pipe and conduit.
- C. Excavations for foundations and structures shall be maintained in-the-dry for a minimum of 4 days after concrete placement. In no event shall water be allowed to enter an excavation and rise to cause unbalanced pressure on foundations and structures until the concrete or mortar has set at least 24 hours.
- D. Dewatering and drainage operations shall at all times be conducted in such a manner as to preserve the natural undisturbed bearing capacity of the subgrade at the bottom of the excavation. If the subgrade becomes disturbed for any reason, the unsuitable subgrade material shall be removed and replaced with concrete, compacted structural fill, or other approved material to restore the bearing capacity of the subgrade to its original undisturbed condition.
- E. If the method of dewatering does not properly dewater the trench as specified, install groundwater observation wells as directed by the Engineer and do not place any pipe or structure until the readings obtained from the observation wells indicate that the groundwater has been lowered a minimum of 2 feet below the bottom of the final excavation within the trench limits.
- F. Dewatering units used in the work shall be surrounded by suitable filter sand and no fines shall be removed by pumping. Pumping from the dewatering system shall be continuous until pipe or structure is adequately backfilled. Stand-by pumps shall be provided.

### 3.04 DISPOSAL OF DRAINAGE

- A. All water discharged from temporary dewatering and drainage systems shall be disposed of in accordance with the sedimentation and control plans as specified in Section 01110. Existing or new sanitary sewer systems shall not be used to dispose of drainage unless the written permission of the utility or Owner is obtained.

END OF SECTION

## SECTION 02270

### EROSION AND SEDIMENTATION CONTROL

#### PART 1 GENERAL

##### 1.01 SCOPE OF WORK

- A. Furnish all labor, materials, equipment and incidentals required and perform all installation, maintenance, removal and area cleanup related to erosion and sedimentation control work as shown on the Drawings and as specified herein. The work shall include, but not necessarily be limited to; installation of temporary access ways and staging areas, silt fences, stone filter boxes, stone filter berms, sediment removal and disposal, device maintenance, removal of temporary devices, temporary mulching, excelsior matting installation and final cleanup.

##### 1.02 RELATED WORK

- A. Environmental Protection Procedures is included in Section 01110.
- B. Dust control is included in Section 01562.
- C. Trenching, Backfilling and Compaction is included in Section 02221.
- D. Granular fill materials are included in Section 02230.
- E. Loaming and Hydroseeding is included in Section 02930.

##### 1.03 SUBMITTALS

- A. Submit, in accordance with Section 01300, within 10 days after award of Contract, technical product literature for all commercial products, including straw mulch tackifier, to be used for erosion and sedimentation control.

##### 1.04 QUALITY ASSURANCE

- A. Be responsible for the timely installation and maintenance of all sedimentation control devices necessary to prevent the movement of sediment from the construction site to off site areas or into the stream system via surface runoff or underground drainage systems. Measures in addition to those shown on the Drawings necessary to prevent the movement of sediment off site shall be installed, maintained, removed, and cleaned up at the expense of the Contractor. No additional charges to the Owner will be considered.

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. Crushed stone for sediment filtration devices, access ways and staging areas shall conform to Mass Highway "Standards and Specifications for Highway and Bridges" Section M2.01.3.
- B. Berm structural stone shall be rip-rap as follows:

1. Rip-rap shall be sound, durable rock which is roughly rectangular shape and of suitable quality to insure permanence in the condition in which it is to be used. Rounded stones, boulders, sandstone or similar soft stone will not be acceptable. Material shall be free from overburden, spoil, shale and organic material, meet the Engineer's approval and be well graded within the following limits:

<u>Weight of Stone</u>	<u>Percent Finer by Weight</u>
40 lb	100
12 lb	50
3 lb	0

C. Sediment Fence

1. Sediment fence shall be a prefabricated commercial product made of a woven, polypropylene, ultraviolet resistant material such as "Envirofence" by Mirafi Inc., Charlotte, NC or equal.

D. 1/4-in woven wire mesh for filter boxes shall be galvanized steel or hardware cloth.

E. Straw mulch shall be utilized on all newly graded areas to protect areas against washouts and erosion. Straw mulch shall be comprised of threshed straw of oats, wheat, barley, or rye that is free from noxious weeds, mold or other objectionable material. The straw mulch shall contain at least 50 percent by weight of material to be 10-in or longer. Straw shall be in an air-dry condition and suitable for placement with blower equipment.

F. Latex acrylic copolymer, or organic tackifier shall be a commercial product specifically manufactured for use as straw mulch tackifier.

G. An asphalt tackifier shall only be used when temperatures are too low to allow the use of a latex acrylic copolymer and only with prior written approval from the Engineer.

H. Erosion control blanket shall be installed in all seeded drainage swales and ditches as directed by the Engineer. Erosion control blanket shall be 100 percent agricultural straw matrix stitch bonded with degradable thread between two photodegradable polypropylene nettings, such as Model S150 Double Net Short-Term Blanket (10 months) by North American Green, Evansville, IN or equal.

### PART 3 EXECUTION

#### 3.01 INSTALLATION

##### A. Sediment Fence Installation

1. Sediment fences shall be positioned as indicated on the Drawings and as necessary to prevent off site movement of sediment produced by construction activities as directed by the Engineer.
2. Dig trench approximately 6-in wide and 6-in deep along proposed fence lines.

3. Drive stakes, 8-ft on center (maximum) at back edge of trenches. Stakes shall be driven 2-ft (minimum) into ground.
  4. Hang filter fabric on posts carrying to bottom of trench with about 4-in of fabric laid across bottom of trench. Stretch fabric fairly taut along fence length and maintain secure both ways.
  5. Backfill trench with excavated material and tamp.
  6. Install pre-fabricated silt fence according to manufacturer's instructions.
- B. Construct filter boxes as detailed on the Drawings, from 1/4-in woven wire mesh or hardware cloth and wood. Fill with crushed stone and place over all drop inlets and manholes to storm drain system as each inlet is completed. This should be done prior to setting casting, if there is a delay between installation of inlet structures or drain manholes and setting of castings. An alternate method is to ring each inlet with a sediment fence.
- C. Stone Filter Berm Installation
1. Place berm structural stone across channel just below lower sandbag wall at work area. Face upstream side of structural berm with crushed stone.
- D. Staging areas and access ways shall be surfaced with a minimum depth of 4-in of crushed stone.

### 3.02 MAINTENANCE AND INSPECTIONS

#### A. Inspections

1. Make a visual inspection of all erosion and sedimentation control devices once per week and promptly after every rainstorm. If such inspection reveals that additional measures are needed to prevent movement of sediment to offsite areas, promptly install additional devices as needed. Sediment controls in need of maintenance shall be repaired promptly.

#### B. Device Maintenance

##### 1. Sediment Fences

- a. Remove accumulated sediment once it builds up to 1/2 of the height of the fabric.
- b. Replace damaged fabric, or patch with a 2-ft minimum overlap.
- c. Make other repairs as necessary to ensure that the fence is filtering all runoff directed to the fence.

##### 2. Filter Boxes

- a. Replace crushed stone when it becomes saturated with silt.

##### 3. Stone Filter Berm

- a. Muck out trapped silt from dewatering operations when it has built up to within 6-in of the top of the berm.
  - b. Replace crushed stone filter when saturated with silt.
4. Add crushed stone to access ways and staging area as necessary to maintain a firm surface free of ruts and mudholes.

### 3.03 TEMPORARY MULCHING

- A. Apply temporary mulch to areas where rough grading has been completed but final grading is not anticipated to begin within 30 days of the completion of rough grading.
- B. Straw mulch shall be applied at rate of 100 lbs/1000 sqft and tackified with latex acrylic copolymer at a rate and diluted in a ratio per manufacturer's instructions.

### 3.04 EROSION CONTROL BLANKETS

- A. Erosion control blankets shall be installed in all seeded drainage swales and ditches as shown on the Drawings and as directed by the Engineer in accordance with manufacturer's instructions. The area to be covered shall be properly prepared, fertilized and seeded with permanent vegetation before the blanket is applied. When the blanket is unrolled, the netting shall be on top and the fibers in contact with the soil over the entire area. The blankets shall be applied in the direction of water flow and stapled. Blankets shall be placed a minimum of three rows (of 4-ft) wide (total approx. 12-ft width) within the drainage swale/ditch and stapled together in accordance with manufacturer's instructions. Side overlaps shall be 4-in minimum. The staples shall be made of wire, .091-in in diameter or greater, "U" shaped with legs 10-in in length and a 1-1/2-in crown. Commercial biodegradable stakes may also be used with prior approval by the Engineer. The staples shall be driven vertically into the ground, spaced approximately two linear feet apart, on each side, and one row in the center alternately spaced between each side. Upper and lower ends of the matting shall be buried to a depth of 4-in in a trench. Erosion stops shall be created every 25-ft by making a fold in the fabric and carrying the fold into a silt trench across the full width of the blanket. The bottom of the fold shall be 4-in below the ground surface. Staple on both sides of fold. Where the matting must be cut or more than one roll length is required in the swale, turn down upper end of downstream roll into a slit trench to a depth of 4-in. Overlap lower end of upstream roll 4-in past edge of downstream roll and staple.
  1. To ensure full contact with soil surface, roll matting with a roller weighing 100 lbs/ft of width perpendicular to flow direction after seeding, placing matting and stapling.
  2. Thoroughly inspect channel after completion. Correct any areas where matting does not present a smooth surface in full contact with the soil below.

### 3.05 REMOVAL AND FINAL CLEANUP

- A. Once the site has been fully stabilized against erosion, remove sediment control devices and all accumulated silt. Dispose of silt and waste materials in proper manner. Regrade all areas disturbed during this process and stabilize against erosion with surfacing materials.

END OF SECTION

## SECTION 02930

### LOAMING AND SEEDING

#### PART 1 GENERAL

##### 1.01 SCOPE OF WORK

- A. Furnish all labor, materials, equipment and incidentals required and place loam, finish grade, apply lime and fertilizer, hydraulically apply seed and mulch and maintain all seeded areas as shown on the Drawings and as specified herein, including all areas disturbed and all existing lawn areas.

##### 1.02 RELATED WORK

- A. Trenching, Backfilling and Compaction is included in Section 02221.

##### 1.03 SUBMITTALS

- A. Submit, in accordance with Section 01300, complete shop drawings, materials and equipment furnished under this Section including seed mixtures and product label information.
- B. Samples of all materials shall be submitted for inspection and acceptance upon Engineer's request.

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. Loam shall be fertile, natural soil, typical of the locality, free from large stones, roots, sticks, clay, peat, weeds and sod and obtained from naturally well drained areas. It shall not be excessively acid or alkaline nor contain toxic material harmful to plant growth. Topsoil stockpiled under other Sections of this Division may be used, but the Contractor shall furnish additional loam at his/her own expense if required.
- B. Fertilizer shall be a complete commercial fertilizer, 10-10-10 grade for grass areas. It shall be delivered to the site in the original unopened containers each showing the manufacturer's guaranteed analysis. Store fertilizer so that when used it shall be dry and free flowing.
- C. Lime shall be ground limestone containing not less than 85 percent calcium and magnesium carbonates.
- D. Grass seed shall be from the same or previous year's crop; each variety of seed shall have a percentage of germination not less than 90, a percentage of purity not less than 85 and shall have not more than 1 percent weed content. The mixture shall consist of seed proportioned by weight as follows:
  - 1. 70 percent KY-31 Tall Fescue (*Festuca Arundinacea*)
  - 2. 20 percent Kentucky Blue Grass (*Poa Pratensis*)
  - 3. 10 percent Perennial Rye Grass (*Lolium Perenne*)

- E. The seed shall be furnished and delivered premixed in the proportions specified above. A manufacturer's certificate of compliance to the specified mixes shall be submitted by the manufacturer for each seed type. These certificates shall include the guaranteed percentages of purity, weed content and germination of the seed and also the net weight and date of shipment. No seed may be sown until the certificates have been submitted.
- F. Mulch shall be a specially processed cellulose fiber containing no growth or germination-inhibiting factors. It shall be manufactured in such a manner that after addition and agitation in slurry tanks with water, the fibers in the material become uniformly suspended to form a homogeneous slurry. When sprayed on the ground, the material shall allow absorption and percolation of moisture. Each package of the cellulose fiber shall be marked by the manufacturer to show the air dry weight content.

### PART 3 EXECUTION

#### 3.01 APPLICATION

- A. Unless otherwise shown on the Drawings, loam shall be placed to a minimum depth of 6-in on all lawn areas and 4-in in areas indicated to be naturalized.
- B. For all areas to be seeded:
  - 1. Lime shall be applied at the rate of 25 lbs/1,000 sq ft.
  - 2. Fertilizer (10-10-10) shall be applied at the rate of 30 lbs/1,000 sq ft.
  - 3. Lawn grass seed shall be applied at the rate of 10 lbs/1,000 sq ft.
  - 4. Fiber mulch shall be applied at the rate of 20 lbs/1,000 sq ft.
- C. The application of fertilizer and lime may be performed hydraulically in one operation with hydroseeding and mulching. If lime is applied in this manner, clean all structures and paved areas of unwanted deposits.

#### 3.02 INSTALLATION

- A. The subgrade of all areas to be loamed and seeded shall be raked and all rubbish, sticks, roots and stones larger than 2-in shall be removed. Subgrade surfaces shall be raked or otherwise loosened immediately prior to being covered with loam. Subgrade shall be inspected and approved by the Engineer before loam is placed.
- B. Loam shall be placed over approved areas to a depth sufficiently greater than required so that after natural settlement and light rolling, the complete work will conform to the lines, grades and elevations indicated. No loam shall be spread in water or while frozen or muddy.
- C. After loam has been spread, it shall be carefully prepared by scarifying or harrowing and hand raking. All large stiff clods, lumps, brush, roots, stumps, litter and other foreign material shall be removed from the loamed area and disposed of. The areas shall also be free of smaller stones, in excessive quantities, as determined by the Engineer. The whole surface shall then be rolled with a hand roller weighing not more than 100 lbs/ft of width. During the rolling, all depressions caused by settlement of rolling shall be filled with additional loam and the surface

shall be regraded and rolled until a smooth and even finished grade is created.

- D. Seeding, mulching and conditioning shall only be performed during those periods within the seasons which are normal for such work as determined by the weather and locally accepted practice, as approved by the Engineer. Hydroseed only on a calm day.
- E. Schedules for seeding and fertilizing must be submitted to the Engineer for approval prior to the work.
- F. If lime and fertilizer are to be spread mechanically rather than in one operation with the hydroseeding, then:
  - 1. After the loam is placed and before it is raked to true lines and rolled, limestone shall be spread evenly over loam surface and thoroughly incorporated with loam by heavy raking to at least 1/2 the depth of loam.
  - 2. Fertilizer shall be uniformly spread and immediately mixed with the upper 2-in of topsoil.
- G. Seeding shall be done within 10 days following soil preparation. Seed shall be applied hydraulically at the rates and percentages indicated. The spraying equipment and mixture shall be so designed that when the mixture is sprayed over an area, the grass seed and mulch shall be equal in quantity to the specified rates. Prior to the start of work, the Engineer shall be furnished with a certified statement for approval as to the number of pounds of materials to be used per 100 gallons of water. This statement shall also specify the number of square feet of seeding that can be covered with the quantity of solution in the Hydroseeder.
- I. In order to prevent unnecessary erosion of newly graded slopes and unnecessary siltation of drainage ways, carry out seeding and mulching as soon as satisfactory completion of a unit or portion of the project. A unit of the work will be defined as not more than 20,000 sq ft.
- J. When protection of newly graded areas is necessary at a time that is outside of the normal seeding season, protect those areas by whatever means necessary (such as straw applied with a tar tack) or by other measures as approved by the Engineer.

### 3.03 SEEDING IN WOODED AND UNGRADED AREAS

- A. For preparation and seeding in wooded areas under this Contract and where no grading is required, all of the specified materials and procedures shall be utilized except that no disking shall be performed within the drip line of trees to be preserved. The seed bed shall be prepared by the addition of a thin layer of top soil roughly 1-in deep.

### 3.04 MAINTENANCE AND PROVISIONAL ACCEPTANCE

- A. Keep all seeded areas watered and in good condition, reseeding if and when necessary until a good, healthy, uniform growth is established over the entire area seeded and shall maintain these areas in an approved condition including a minimum of two mowings of the lawn areas until provisional acceptance.
- B. On slopes, provide against washouts by an approved method. Any washout that occurs shall be regraded and reseeded at the Contractor's expense until a good sod is established.
- C. The Engineer will inspect all work for provisional acceptance at the end of the 8 week grass

maintenance period, upon the written request, received at least 10 days before the anticipated date of inspection.

- D. A satisfactory stand will be defined as a section of grass of 10,000 sq ft or larger that has:
  - 1. No bare spots larger than 3 sq ft.
  - 2. No more than 10 percent of total area with bare spots larger than 1 sq ft.
  - 3. Not more than 15 percent of total area with bare spots larger than 6-in square.
- E. Furnish full and complete written instructions for maintenance of the lawns to the Owner at the time of provisional acceptance.
- F. The inspection by the Engineer will determine whether maintenance shall continue in any area of manner.
- G. After all necessary corrective work and clean-up has been completed and maintenance instructions have been received by the Owner, the Engineer will certify in writing the provisional acceptance of the lawn areas. Maintenance of lawns, or parts of lawns shall cease on receipt of provisional acceptance.

### 3.05 GUARANTEE PERIOD AND FINAL ACCEPTANCE

- A. All seeded areas shall be guaranteed for not less than 1 full year from the time of provisional acceptance.
- B. At the end of the guarantee period, inspection will be made by the Engineer upon written request submitted at least 10 days before the anticipated date. Lawn areas not demonstrating satisfactory stands as outlined above, as determined by the Engineer, shall be renovated, reseeded and maintained meeting all requirements as specified herein.
- C. After all necessary corrective work has been completed, the Engineer shall certify in writing the final acceptance of the lawns.

END OF SECTION

**Attachment E**

**Project Plans (bound separately)**

*Attachment E –  
Order of Conditions received  
August 2006*

---

CC file



**Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands**

DEP File Number:

**WPA Form 5 – Order of Conditions**

SE49-584

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**A. General Information**

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



From: New Bedford  
1. Conservation Commission

2. This issuance is for (check one): a.  Order of Conditions b.  Amended Order of Conditions

3. To: Applicant:

<u>Ron</u>	<u>Labelle,</u>	<u>City of New Bedford - Dept of Public</u>
a. First Name	Commissioner	Infrastructure
	b. Last Name	c. Company
<u>1105 Shawmut Avenue</u>		
d. Mailing Address		
<u>New Bedford</u>	<u>MA</u>	<u>02746</u>
e. City/Town	f. State	g. Zip Code

4. Property Owner (if different from applicant):

<u></u>	<u></u>	<u></u>
a. First Name	b. Last Name	c. Company
<u></u>		
d. Mailing Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code

5. Project Location:

<u>Coggeshall Street</u>	<u>New Bedford</u>
a. Street Address	b. City/Town
<u>86; 93</u>	<u>25; 265</u>
c. Assessors Map/Plat Number	d. Parcel/Lot Number
Latitude and Longitude, if known (note: electronic filers will click for GIS locator):	
<u></u>	<u></u>
e. Latitude	f. Longitude

6. Property recorded at the Registry of Deeds for (attach additional information if more than one parcel):

<u>Bristol</u>	<u></u>
a. County	b. Certificate (if registered land)
<u>4128; 4995</u>	<u>165; 254</u>
c. Book	d. Page

7. Dates: 7/14/06 8/08/06 8/28/06  
a. Date Notice of Intent Filed b. Date Public Hearing Closed c. Date of Issuance

8. Final Approved Plans and Other Documents (attach additional plan or document references as needed):

<u>Coggeshall &amp; Deane St Sewer Separation (Shts: Cover Sht, LGN, 6, 7, 8, 28, C-1, C-11 G-1, S-13.)</u>	
a. Plan Title	
<u>Camp Dresser &amp; McKee, Inc</u>	<u>Stephen J. Hickox, PE</u>
b. Prepared By	c. Signed and Stamped by
<u>June, 2006 (shts 6, 7, 8, 28, C-1 Rec 7/14/06);</u>	<u>1" = 20'</u>
<u>(Cover Sht, LGN, G-1, S-13, C-11 Rec 8/01/06)</u>	e. Scale
<u>Sequence of Installation - Flap Gates; Section 11280 Flap Gates.</u>	<u>7/31/06</u>
f. Additional Plan or Document Title	g. Date



**Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands**

DEP File Number:

**WPA Form 5 – Order of Conditions**

SE49-584

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**B. Findings**

1. Findings pursuant to the Massachusetts Wetlands Protection Act:

Following the review of the above-referenced Notice of Intent and based on the information provided in this application and presented at the public hearing, this Commission finds that the areas in which work is proposed is significant to the following interests of the Wetlands Protection Act. Check all that apply:

- a.  Public Water Supply
- b.  Land Containing Shellfish
- c.  Prevention of Pollution
- d.  Private Water Supply
- e.  Fisheries
- f.  Protection of Wildlife Habitat
- g.  Groundwater Supply
- h.  Storm Damage Prevention
- i.  Flood Control

2. This Commission hereby finds the project, as proposed, is: (check one of the following boxes)

**Approved subject to:**

- a.  the following conditions which are necessary in accordance with the performance standards set forth in the wetlands regulations. This Commission orders that all work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.

**Denied because:**

- b.  the proposed work cannot be conditioned to meet the performance standards set forth in the wetland regulations. Therefore, work on this project may not go forward unless and until a new Notice of Intent is submitted which provides measures which are adequate to protect these interests, and a final Order of Conditions is issued. **A description of the performance standards which the proposed work cannot meet is attached to this Order.**
- c.  the information submitted by the applicant is not sufficient to describe the site, the work, or the effect of the work on the interests identified in the Wetlands Protection Act. Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides sufficient information and includes measures which are adequate to protect the Act's interests, and a final Order of Conditions is issued. **A description of the specific information which is lacking and why it is necessary is attached to this Order as per 310 CMR 10.05(6)(c).**

**Inland Resource Area Impacts: Check all that apply below. (For Approvals Only)**

3.	<input checked="" type="checkbox"/> Buffer Zone Impacts: Shortest distance between limit of project disturbance and wetland boundary (if available)				<u>30'</u> a. linear feet
	Resource Area	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
4.	<input type="checkbox"/> Bank	<u>                    </u> a. linear feet	<u>                    </u> b. linear feet	<u>                    </u> c. linear feet	<u>                    </u> d. linear feet
5.	<input type="checkbox"/> Bordering Vegetated Wetland	<u>                    </u> a. square feet	<u>                    </u> b. square feet	<u>                    </u> c. square feet	<u>                    </u> d. square feet
6.	<input type="checkbox"/> Land Under Waterbodies and Waterways	<u>                    </u> a. square feet	<u>                    </u> b. square feet	<u>                    </u> c. square feet	<u>                    </u> d. square feet
		<u>                    </u> e. cu.yd dredged	<u>                    </u> f. cu.yd dredged		



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**WPA Form 5 – Order of Conditions**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE49-584

**B. Findings (cont.)**

Resource Area	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
7. <input type="checkbox"/> <b>Bordering Land Subject to Flooding</b>	a. square feet	b. square feet	c. square feet	d. square feet
Cubic Feet Flood Storage	e. cubic feet	f. cubic feet	g. cubic feet	h. cubic feet
8. <input type="checkbox"/> <b>Isolated Land Subject to Flooding</b>	a. square feet	b. square feet		
Cubic Feet Flood Storage	c. cubic feet	d. cubic feet	e. cubic feet	f. cubic feet
9. <input type="checkbox"/> <b>Riverfront area</b>	a. total sq. feet	b. total sq. feet		
Sq ft within 100 ft	c. square feet	d. square feet	e. square feet	f. square feet
Sq ft between 100-200 ft	g. square feet	h. square feet	i. square feet	j. square feet

**Coastal Resource Area Impacts: Check all that apply below. (For Approvals Only)**

10. <input type="checkbox"/> <b>Designated Port Areas</b>	Indicate size under Land Under the Ocean, below			
11. <input type="checkbox"/> <b>Land Under the Ocean</b>	a. square feet	b. square feet		
	c. cu.yd dredged	d. cu.yd dredged		
12. <input type="checkbox"/> <b>Barrier Beaches</b>	Indicate size under Coastal Beaches and/or Coastal Dunes below			
13. <input type="checkbox"/> <b>Coastal Beaches</b>	a. square feet	b. square feet	c. c/y nourishmt.	d. c/y nourishmt.
14. <input type="checkbox"/> <b>Coastal Dunes</b>	a. square feet	b. square feet	c. c/y nourishmt.	d. c/y nourishmt.
15. <input type="checkbox"/> <b>Coastal Banks</b>	a. linear feet	b. linear feet		
16. <input type="checkbox"/> <b>Rocky Intertidal Shores</b>	a. square feet	b. square feet		
17. <input type="checkbox"/> <b>Salt Marshes</b>	a. square feet	b. square feet	c. square feet	d. square feet
18. <input type="checkbox"/> <b>Land Under Salt Ponds</b>	a. square feet	b. square feet		
	c. cu.yd dredged	d. cu.yd dredged		
19. <input type="checkbox"/> <b>Land Containing Shellfish</b>	a. square feet	b. square feet	c. square feet	d. square feet
20. <input type="checkbox"/> <b>Fish Runs</b>	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above			
	a. cu.yd dredged	b. cu.yd dredged		
21. <input type="checkbox"/> <b>Land Subject to Coastal Storm Flowage</b>	a. square feet	b. square feet		



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

## WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE49-584

### C. General Conditions Under Massachusetts Wetlands Protection Act

(only applicable to approved projects)

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.
4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
  - a. the work is a maintenance dredging project as provided for in the Act; or
  - b. the time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance. If this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
6. Any fill used in connection with this project shall be clean fill. Any fill shall contain no trash, refuse, rubbish, or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles, or parts of any of the foregoing.
7. This Order is not final until all administrative appeal periods from this Order have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed.
8. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to this Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work.
9. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words,

"Massachusetts Department of Environmental Protection" (or, "MA DEP")

"File Number SE49-584"



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

DEP File Number:

**WPA Form 5 – Order of Conditions**

SE49-584

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**C. General Conditions Under Massachusetts Wetlands Protection Act**

- 10. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before DEP.
- 11. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Conservation Commission.
- 12. The work shall conform to the plans and special conditions referenced in this order.
- 13. Any change to the plans identified in Condition #12 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
- 14. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
- 15. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.
- 16. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Conservation Commission.
- 17. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Conservation Commission, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.
- 18. All work associated with this Order is required to comply with the Massachusetts Stormwater Policy Standards.

Special Conditions:

SEE ATTACHED SPECIAL CONDITIONS 19 THROUGH 50

If you need more space for additional conditions, select box to attach a text document



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

DEP File Number:

### WPA Form 5 – Order of Conditions

SE49-584

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

#### D. Findings Under Municipal Wetlands Bylaw or Ordinance

1. Is a municipal wetlands bylaw or ordinance applicable?  Yes  No
2. The Conservation Commission hereby finds (check one that applies):
3.  that the proposed work cannot be conditioned to meet the standards set forth in a municipal ordinance or bylaw specifically;

a. Municipal Ordinance or Bylaw

b. Citation

Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides measures which are adequate to meet these standards, and a final Order of Conditions is issued.

4.  that the following additional conditions are necessary to comply with a municipal ordinance or bylaw:

a. Municipal Ordinance or Bylaw

b. Citation

The Commission orders that all work shall be performed in accordance with the following conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, the conditions shall control.

- c. The special conditions relating to municipal ordinance or bylaw are as follows:

---



---



---



---

If you need more space for additional conditions, select box to attach a text document



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

DEP File Number:

**WPA Form 5 - Order of Conditions**

SE49-584

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**E. Issuance**

This Order is valid for three years, unless otherwise specified as a special condition pursuant to General Conditions #4, from the date of issuance.

8/28/06  
1. Date of Issuance

Please indicate the number of members who will sign this form:

5  
2. Number of Signers

This Order must be signed by a majority of the Conservation Commission.

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate Department of Environmental Protection Regional Office, if not filing electronically, and the property owner, if different from applicant.

Signatures:

[Handwritten signatures]

**Notary Acknowledgement**

Commonwealth of Massachusetts County of Bristol

On this 28<sup>th</sup> of August 2006  
Day Month Year

Before me, the undersigned Notary Public, personally appeared

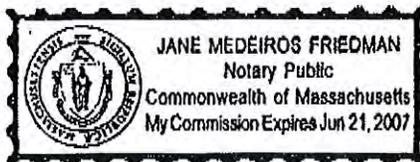
John P. Gurney  
Name of Document Signer

proved to me through satisfactory evidence of identification, which was/were

personal knowledge  
Description of evidence of identification

to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

As member of New Bedford Conservation Commission  
City/Town



Jane Medeiros Friedman  
Signature of Notary Public  
Jane Medeiros Friedman  
Printed Name of Notary Public  
June 21, 2007  
My Commission Expires (Date)

Place notary seal and/or any stamp above

This Order is issued to the applicant as follows:

by hand delivery on

by certified mail, return receipt requested, on

Date

8/28/06  
Date

#7003 1010 0001 5591 3774



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

## WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE49-584

---

### F. Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate DEP Regional Office to issue a Superseding Order of Conditions. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request of Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant. Any appellants seeking to appeal the Department's Superseding Order associated with this appeal will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order or Determination, or providing written information to the Department prior to issuance of a Superseding Order or Determination.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act, (M.G.L. c. 131, § 40) and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal ordinance or bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.

**Section G, Recording Information is available on the following page.**



Environmental Stewardship Department/  
New Bedford Conservation Commission

**City of New Bedford**  
Scott W. Lang, Mayor

**SPECIAL CONDITIONS**  
**SE49-584**

**Coggeshall & Deane St Sewer Separation Project**  
**City of New Bedford Dept. of Public Infrastructure**  
**Map 86, Lot 25; Map 93, Lot 265**

19. No activity shall occur prior to obtaining all necessary and required permits, licenses, and approvals; and until copies of the same have been furnished to the Conservation Commission.
20. Any design modifications, alterations, amendments, or additions shall be subject to the approval of the New Bedford Conservation Commission. Requests for any changes shall be made in writing and shall be accompanied by a revised plan.
21. No modification to surface features, drainage or topography shall be permitted except as indicated by this Order of Conditions.
22. Contours shall remain unchanged except as permitted by this Order of Conditions.
23. There shall be no construction other than that proposed by the Notice of Intent and included on the submitted plan.
24. Immediately upon completion of the exterior construction and grading, permanent stabilization landscaping shall be carried out in order to minimize erosion.
25. All wet areas not to be altered shall be kept clear of rubbish, debris, and construction material.
26. All exposed soil or subsoil shall be replanted with vegetation such as grass, groundcover or shrubs so as to minimize erosion and siltation.
27. There shall be minimum disruption of existing grades and vegetation in order to minimize erosion.
28. No runoff shall be caused to drain on to adjoining property or on any public ways.
29. All excess material shall be removed from the site.
30. The owners shall notify the Conservation Commission of the work-start date prior to its commencement so that regular inspections may be made.
31. All work performed in accordance with said plans and this Order of Conditions shall be in compliance with the state building and/or plumbing code.

32. *The Inspector and/or the Commission members shall have the right to enter upon the land for the purpose of the inspection and/or the taking of pictures to determine and evaluate compliance with this order.*
33. The design engineer will certify, in writing, that this project has been complete in accordance with the above Order of Conditions before the Certificate of Compliance will be issued.
34. All facilities and equipment shall be continually operated and maintained so as to comply with this order of conditions and M.G.L. Ch. 131, S 40, the Wetlands Protection Act.
35. Certain conditions, such as maintenance or monitoring are on-going and are not to expire at the end of three years or with the issuance of a Certificate of Compliance.
36. This order of Conditions shall apply to any successor in interest or successor in control.
37. Any changes required by any other board or authority may require a new filing with the Conservation Commission.
38. At the discretion of the Conservation Commission, the applicant may be required to file with any or all of the following agencies:  
  

**The Department of Environmental Protection  
Army Corps of Engineers  
Coastal Zone Management  
Division of Waterways**
39. The Conservation Commission and/or the City of New Bedford shall not be responsible or liable for the construction, the operation, or the maintenance of any part of this project and does not warrant the safety of the same.
40. Any fill and/or construction materials shall be placed in upland areas.
41. Any mitigation and resource protection devices and measures, e.g. hay bales, siltation fence, etc., are to be installed prior to initiation of any work under this Order of Conditions. The Conservation Agent shall be notified when in place for inspection and verification. No work to be undertaken under the Order of Conditions until written or verbal approval is received from the Conservation Commission or its Agent.
42. In accordance with Condition number thirteen (13), no activity shall take place until the applicant has furnished written documentation that the plans on file with the Conservation Commission are consistent with permits and approvals of other Town Boards.

43. Prior to any construction, an on-site inspection is to be held between the proposed contractor, the engineer, and the Conservation Commission Agent to go over the sequence of construction and all other restrictions and requirements as noted on the Order of Conditions. A written construction schedule to be received at that time.
44. All erosion control barriers shall be constructed of snow fencing, silt fencing and staked hay bales and clearly depicted on the plans, and placement shall be inspected both pre and post construction by Agent
45. Any changes in proposed drainage patterns will require written approval by the Conservation Commission.
46. Wetland flagging to remain in place until the project has been completed and Certificate of Compliance issued.
47. Notice of Intent, Order of Conditions and plans shall be retained on the site during construction and made available to all contractors.
48. All conditions are on going and do not expire until the issuance of a Certificate of Compliance.
49. The design engineer will certify, with an as-built plan, that this project has been complete in accordance with the above Order of Conditions before the certificate of Compliance will be issued.
50. Installation of the flap gate shall be performed following installation of the silt curtain. The contractor is to confine all access to the River & River Bank to the limits of work shown on the plans and identified in the specs.



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands

DEP File Number:

**WPA Form 5 - Order of Conditions**

SE49-584

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**G. Recording Information**

This Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on Page 7 of this form shall be submitted to the Conservation Commission listed below.

New Bedford

Conservation Commission

Detach on dotted line, have stamped by the Registry of Deeds and submit to the Conservation Commission.

To:

New Bedford

Conservation Commission

Please be advised that the Order of Conditions for the Project at:

Coggeshall & Sawyer St.

Project Location

SE49-584

DEP File Number

Has been recorded at the Registry of Deeds of:

Bristol

County

4128; 4996

Book

165; 254

Page

for:

City of New Bedford

Property Owner

and has been noted in the chain of title of the affected property in:

\_\_\_\_\_

Book

\_\_\_\_\_

Page

In accordance with the Order of Conditions issued on:

8/28/06

Date

If recorded land, the instrument number identifying this transaction is:

\_\_\_\_\_

Instrument Number

If registered land, the document number identifying this transaction is:

\_\_\_\_\_

Document Number

\_\_\_\_\_

Signature of Applicant



Environmental Stewardship Department/  
New Bedford Conservation Commission

**City of New Bedford**  
Scott W. Lang, Mayor

**MEMORANDUM**

**Date: August 7, 2006**

**To: Shawn Syde – CDM**

**From: Sarah Porter, Agent**

**Re: SE49-584**

From review of the plans submitted last week and the memo from DMF (received today), I offer the following comments:

1. For the tide flap gate installation: the specs submitted state the contractor is to install a silt boom as shown on the drawings. I can not find the silt boom on the drawings.
2. How shall the contractor access the existing outfall in order to install the flap gates without impacting the adjacent intertidal area? The specs say the contractor shall access from "the front of the structure" or "on top"
3. A plan view showing the silt boom location & contractor access point should be provided.
4. I have included DMF's comment letter for your files.



## City of New Bedford

Scott W. Lang, Mayor

### REVISED

Notice is hereby given that in accordance with the Massachusetts Wetland Protection Act, MGL Ch 131, Section 40, of a Public Meeting held by the New Bedford Conservation Commission on Tuesday August 8, 2006 at 7:00 P.M in Room 314 City Hall, 133 William St., New Bedford, Massachusetts to consider the following Public Hearings and Other Business:

- 1. CANCEL UNTIL 8/22/06 (Con't from 9/27/05) Request for Determination of Applicability as filed by Paula E. Jennings for property located on Westminster St. (Map 125A, Lot 427) Applicant requests a Wetland Determination. Representative is Paula Jennings.**
- 2. (Con't from 7/25/06) SE49-491 61 John Vertente Blvd (Map 133, Lot 47) Johnson & Johnson Request for a Certificate of Compliance.**
- 3. SE49-551 Dana Street (Map 125A, Lots 473 – 475) Order of Conditions was issued for a single family dwelling. Applicant would like to discuss a modification to the approved plan. Applicant Kenneth Koroski & Engineer Rich Riccio to address the Commission.**
- 4. Request for Determination of Applicability as filed by Ray's of New Bedford for property located at 1001 Ashley Boulevard (Map 127D, Lots 47, 48, 49, 53 & Roland St. Private Way. Applicant requests a determination as to whether the area depicted is subject to the Wetlands Protection Act and whether the boundaries of the resource areas depicted are accurate. Representative is Rick Charon of Charon Engineering.**
- 5. Con't until 8/8/06 Ray's of New Bedford – Enforcement Order of 5/2/06. RDA will be heard on 8/8/06. Atty. Emile Morad representing Ray's of New Bedford.**
- 6. Continue until 8/22/06 per Ferreira Engineering. Enforcement Order (SE49-447) Blackmer St. (Map 25A, Lots 46 & 47) as-built is underway per Ferreira. Agent to meet on site prior to the 22<sup>nd</sup>. Bob Martin of Harborline Enterprises requested to appear.**
- 7. Continue until 9/11/06 per Prime Engineering SE49-494 (Con't from 10/26/04) Notice of Intent as filed by Pope's Island Harbor Development Corp. for property located on 173 Pope's Island, map 60 lot 10. Applicant proposes to construct a 530' long vertical steel bulkhead along the current harbor line. Representative is Rich Rheaume of Prime Engineering.**
- 8. SE49-555 (Continuation from 7/25/06) Notice of Intent as filed by New Bedford Youth Soccer Association, Inc. for property located on Morton Ave. (Map 132, Lots 400, 27, 28, & 29). Applicant proposes to construct soccer fields & associated parking. Representative is Steve Gioiosa of SITEC, Inc.**
- 9. SE49-578 (Con't from 7/25/06) Notice of Intent as filed by New Bedford Cousins, LLC for property located on Phillips Road (Map 103D Lots 117, 118, 243, 244, 249, & 286).**

Applicant proposes a 39 lot subdivision with associated roadways, stormwater management and utilities. Representative is John Cavanaro of Cavanaro Consulting.

**10. Continue until 8/22/06 per Field Eng. SE49-582(Continue from 7/11/06) Abbreviated Notice of Resource Area Delineation for property located off John Vertente Boulevard (Map 135, Lot 3).** Applicant seeks a verification of the delineated wetland resources. Representative is Bob Field of Field Engineering.

**11. SE49-583 (Continue from 7/11/06) Notice of Intent as filed by IMTRA Inc. for property located at 30 Samuel Barnet Boulevard (Map 133, Lot 50).** Applicant proposes a building addition, expanded parking and associated stormwater management. Representative is Walter Galuska of Tibbetts Engineering.

**12. Continue until the first Con. Com. meeting after completion of the ZBA Hearing. SE49-580 Notice of Intent as filed by Nelda Goggin for property located on Brownell Ave. (Map 38, Lots 91 & 92).** Applicant proposes to construct a single family dwelling in the Buffer Zone and fill 370 s.f. if Bordering Vegetated Wetland. Representative is Ken Ferreira of Ferreira Engineering.

**13. SE49-584 (Con't from 7/25/06) Notice of Intent as filed by The City of New Bedford Dept. of Public Infrastructure for property located within portions of the Washburn, Sawyer and Coggeshall Streets City Street Layouts also Map 86, Lot 25 & Map 93, Lot 265).** Applicant proposes a sewer separation project & infrastructure improvements. Representative is Shawn Syde of CDM.

**OTHER BUSINESS:**

1. The Settlement – Final Order from DEP
2. Patricia Ezyk to address the Commission Re: SE49-562
3. Jeff Woodward to address the Commission Re: Sassaquin Pond
4. KMS UPDATE
5. Approval of Minutes of 2/28/06

John P Gurney, Chairman

*Attachment F*  
*Sequence of Work*

---

## SEQUENCE OF INSTALLATION – FLAP GATES

### Outfall Structure – Sheet No. S-13

- A. Install silt boom as shown on the drawings and specified in Section 02270 – Erosion and Sedimentation Control around outfall structure to minimize the migration of sediments.
- B. Remove chain link fence around structure as required to gain access to the structure. Access to the structure should be from the front of the structure or thru the hatch located on the structure's roof. The location of the existing access hatch is shown on Sheet No. S-13.
- C. Install sand bag barrier and pumping system during low tide to prevent tidal inflow into the structure during construction.
- D. Clean and remove debris from the interior of the structure. The debris shall be hauled off site and disposed of properly.
- E. Remove trash rack that is located within the structure.
- F. Remove trash rack concrete support system to the limits shown on Sheet No. S-13. Contractor shall use mechanical means to remove the concrete including jack hammers, hoe rams or other devices.
- G. Clean, remove and dispose of debris from the structure off site.
- H. Fill void in structure with fill concrete as shown on Sheet No. S-13. Allow concrete to cure to the required strength before proceeding to next step.
- I. Deliver tide gate frame and flaps to site. The use of crane or boom truck may be required to lower frame into structure. Installation of tide gate shall be in accordance with manufacturer's recommendations. Tide gate frame shall be mounted directly to the face of the existing 8' x 6' box culvert. The frame shall be installed by drilling anchor "Hilti" anchor bolts into the face of the box culvert. The anchor bolts shall secure the frame against the face of the structure.
- J. Install neoprene flaps on the frame.
- K. Manufacturer's representative shall inspect the frame prior to placing it in service.
- L. Remove sand bag and pumping system. Put tide gate in service.
- M. Remove silt boom as specified. Contractor shall take care to prevent the migration of sediments into the harbor.
- N. Replace chain link fence that was removed under step B.

*Attachment G*  
*Project Plans (Bound separately)*

---

# CITY OF NEW BEDFORD, MASSACHUSETTS

## WASTEWATER SYSTEM IMPROVEMENTS

# PHASE I - COGGESHALL STREET SEWER SEPARATION

PROJECT NO. CWSRF 3858

BID NO. 934

CONTRACT NO. 1

MAYOR

HONORABLE JONATHAN F. MITCHELL

COMMISSIONER —

DEPARTMENT OF PUBLIC INFRASTRUCTURE

RONALD H. LABELLE

NOVEMBER 2014

DRAFT - FOR PERMITTING USE ONLY



**LEGEND**  
PROPOSED DRAIN ———  
EXISTING DRAIN - - - - -

**LOCATION PLAN**  
NOT TO SCALE

**CDM  
Smith**

PROVIDENCE, RHODE ISLAND

**Water**

**Environment**

**Transportation**

**Energy**

**Facilities**

EASTING	NORTHING	ELEVATION	DESCRIPTION
813945.21	2700191.34	7.11	TRAVERSE POINT NO. 16 - PK NAIL SET NEAR BLDG NO. 170 COGGESHALL STREET
813577.10	2700934.10	7.60	TRAVERSE POINT NO. 12 - PK NAIL SET AT INTERSECTION OF BELLEVILLE AVE AND SAWYER STREET NEAR BLDG NO. 213
811289.99	2700536.87	37.07	STATION NO. 1002 - DRILL HOLE FOUND AT INTERSECTION OF PURCHASE STREET AND SAWYER STREET NEAR BLDG NO. 2201
810738.24	2701793.85	48.01	STATION NO. 1004 - "X" CUT IN ELECTRIC MANHOLE AT INTERSECTION OF PURCHASE STREET AND DEAN STREET

HORIZONTAL DATUM - MASSACHUSETTS STATE PLANE-COORDINATION SYSTEM (NAD 83)

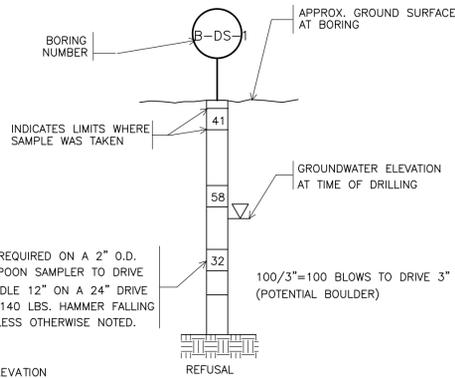
VERTICAL DATUM - CITY OF NEW BEDFORD CITY DATUM

**ABBREVIATIONS**

FRP	FIBERGLASS REINFORCED PLASTIC
C.B.	CATCH BASIN
D.I.	DUCTILE IRON
R.C.	REINFORCED CONCRETE
P.V.C.	POLYVINYL CHLORIDE
V.C.	VITRIFIED CLAY
INV. EL.	INVERT ELEVATION
G.V.	GATE VALVE
HYD.	HYDRANT
SMH	SEWER MANHOLE
DMH	DRAIN MANHOLE

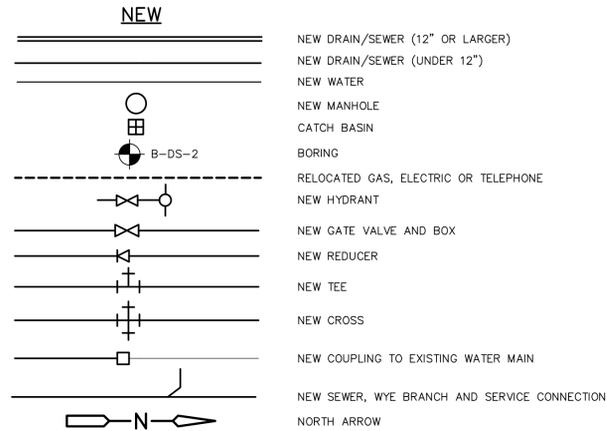
NOTE: FOR BLOW COUNTS, GROUNDWATER ELEVATION AND STRATA DESCRIPTION SEE BORING LOGS APPENDED TO THE SPECIFICATIONS.

B.O.B.= BOTTOM OF BORING  
NWL= NO WATER LEVEL AT TIME OF DRILLING.

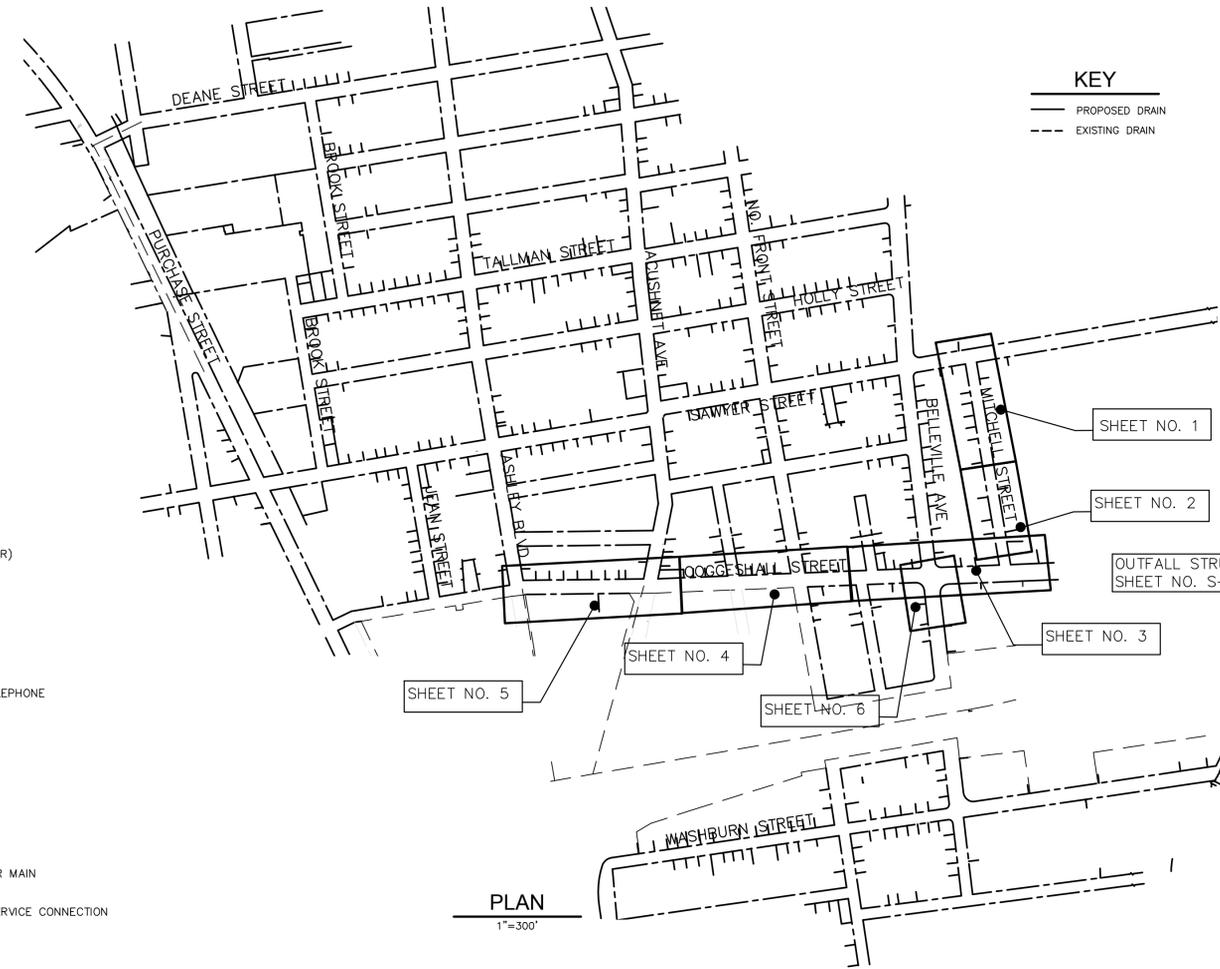
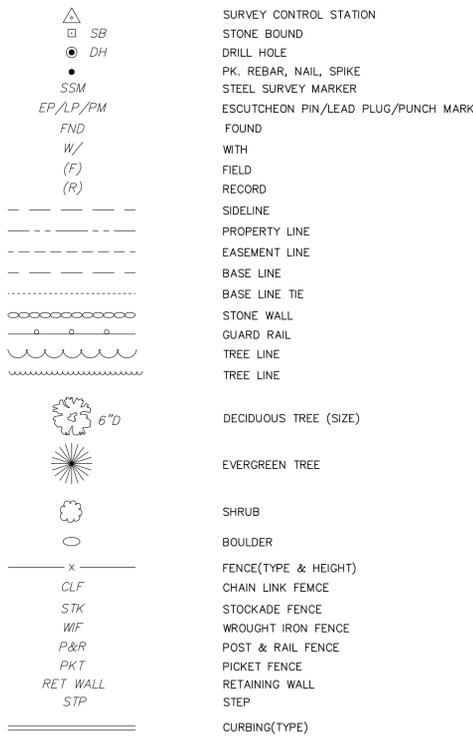


**TYPICAL BORING LOG**

**LEGEND**



**EXISTING**



**PLAN**  
1"=300'

**KEY**



- ALL ELEVATIONS REFER TO CITY OF NEW BEDFORD DATUM. TO CONVERT TO N.G.V.D. MEAN SEA LEVEL DATUM ADD 2.55 FEET.
- SURVEY PROVIDED BY SURVEYING AND MAPPING CONSULTANT (SMC) BRAINTREE, MA DECEMBER 2013.
- THE LOCATION, SIZE AND MATERIAL OF EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND STRUCTURES SHOWN ON THESE PLANS ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL SUCH FEATURES ARE SHOWN. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR OBTAINING ALL LOCATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES BEFORE BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES IN WRITING AND BY CALLING DIG SAFE (1-888-344-7233) BEFORE EXCAVATION.
- NOTES PERTAINING TO NEW WORK ARE SHOWN THUS: [ ]
- MANHOLE AND CATCH BASIN LOCATIONS ARE APPROXIMATE AND IN SOME CASES MAY BE ALTERED TO MINIMIZE PIPE CUTTING OR FOR OTHER APPROVED REASONS.
- BORINGS WERE TAKEN IN APRIL AND MAY 2005, FEBRUARY 2006 AND APRIL 2006 BY SOIL EXPLORATION CORP., LEOMINSTER, MA. LOCATIONS ARE SHOWN ON THE PLANS AND PROFILES. BORING LOGS ARE APPENDED TO THE SPECIFICATIONS. TEST PITS WERE EXCAVATED BY THE CITY OF NEW BEDFORD IN OCTOBER 2014.
- PIPES BEING DISCONNECTED FROM EXISTING DRAIN OR SEWER PIPELINES OR MANHOLES SHALL BE PLUGGED AT THE PIPELINE OR MANHOLE.
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO PREVENT DAMAGE TO ADJACENT PROPERTY. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITION.
- ALL TREES SHALL REMAIN UNLESS OTHERWISE NOTED ON THE DRAWINGS. SEE SPECIFICATION SECTION 01110 FOR TREE PROTECTION REQUIREMENTS.
- THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS FOR MAINTAINING TRAFFIC AS SPECIFIED IN SECTION 01046 AND 01570.
- ALL NEW CATCH BASIN CONNECTIONS SHALL BE 12" PVC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL LOCATE NEW CATCH BASINS IN THE VICINITY SHOWN ON THE DRAWINGS AS NEEDED TO AVOID UTILITY CONFLICTS. FINAL LOCATIONS OF CATCH BASIN SUBJECT TO APPROVAL OF ENGINEER.
- ALL EXISTING WATER MAINS, DRAINS AND SEWERS REMOVED DURING CONSTRUCTION OF THIS PROJECT SHALL BE HAULED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL REQUIREMENTS.
- NOT ALL EXISTING UTILITY SERVICES ARE SHOWN. TEMPORARY SUPPORT OF ALL SERVICES SHALL BE PROVIDED WHEN CONSTRUCTING NEW PIPELINES.
- UNLESS OTHERWISE NOTED, PIPE MATERIAL FOR DRAIN AND SEWERS 18-IN DIAMETER AND LARGER SHALL BE REINFORCED CONCRETE, CLASS IV. DRAIN AND SEWER PIPE SMALLER THAN 18-IN DIAMETER SHALL BE POLYVINYL CHLORIDE.
- CONTRACTOR SHALL FURNISH AND INSTALL WYE BRANCHES, Y-SADDLES, 6" PVC SERVICE CONNECTION PIPE AND ADAPTERS AS REQUIRED AND CONNECT NEW SEWERS TO EXISTING BUILDING SERVICES.
- WHEN THE HORIZONTAL SEPARATION BETWEEN THE NEW SEWER AND THE EXISTING OR RELOCATED WATER MAIN IS LESS THAN 10- FEET OR THE VERTICAL SEPARATION IS LESS THAN 18-INCHES, THE WATER MAIN SHALL BE EXPOSED AND ENCASED IN CONCRETE FOR A MINIMUM OF 10- FEET ON EACH SIDE OF THE WATER MAIN CENTERLINE.
- ALL REINFORCED CONCRETE (RC) PIPE SHALL BE CLASS IV UNLESS OTHERWISE NOTED.
- EXISTING 54" SEGMENTAL BLOCK ABANDONED INTERCEPTOR FILLED WITH CLSM AND CONTAMINATED GRIT WITH PCB CONCENTRATIONS GREATER THAN 50 PPM. SUPPORT AND PROTECT EXISTING INTERCEPTOR DURING CONSTRUCTION. ANY DAMAGE TO EXISTING INTERCEPTOR OR BULKHEADS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ALL COSTS ASSOCIATED WITH HANDLING AND DISPOSING OF CONTAMINATED MATERIALS AND ANY REPAIRS REQUIRED.
- PRIOR TO THE START OF CONSTRUCTION CONTRACTOR SHALL EXCAVATE TEST PIT TO VERIFY LOCATION OF EXISTING SEWER SERVICE CONNECTION AND WATER SERVICE CONNECTION. CITY RECORDS INDICATE THAT WATER AND SEWER SERVICE CONNECTIONS MAY BE LOCATED IN THE SAME TRENCH. CONTRACTOR SHALL PROTECT EXISTING WATER SERVICE.
- SEE TABLE IN SPECIFICATION SECTION 01010 OUTLINING ROAD WAY RECONSTRUCTION REQUIREMENTS.
- ALL COBBLESTONES ENCOUNTERED WITHIN CITY RIGHT-OF-WAY TO BE REMOVED AND DELIVERED TO CITY YARD ON LIBERTY STREET. ALL TROLLEY TRACKS ENCOUNTERED WITHIN CITY RIGHT-OF-WAY TO BE REMOVED AND DELIVER TO DEPARTMENT OF PUBLIC INFRASTRUCTURE ON SHAWMUT AVENUE.
- ALL NEW OR RELOCATED WATER MAINS SHALL BE INSTALLED WITH RESTRAINED JOINTS.

BIT CONC	BITUMINOUS CONCRETE	GM	GAS GATE
GRAN	GRANITE	TMH	GAS METER
LST	LANDSCAPE TIMBER	EMH	TELEPHONE MANHOLE
GP	GUARD POST (BOLLARD)	WMH	ELECTRIC MANHOLE
FL	FLOOD LIGHT	SMH	WATER MANHOLE
TRANS	TRANSFORMER	MH	SEWER MANHOLE
PM	PARKING METER	HYD	MANHOLE
S	SIGN		WATER GATE
PVI	POST VALVE INDICATOR	ABAN	HYDRANT
PS	PEDESTRIAN SIGNAL	ELEC	ABANDONED
TS	TRAFFIC SIGNAL	TEL	ELECTRIC
MAST ARM	MAST ARM/SIGNAL LIGHTS (NUMBER)		TELEPHONE
TSSC	TRAFFIC SIGNAL CONTROL CABINET	W	TELEPHONE LINE
H'CAP	HANDICAP RAMP	S	WATER LINE
FA	FIRE ALARM BOX	T	SEWER LINE
FF	FINISHED FLOOR	E	TELEPHONE LINE
THLD	THRESHOLD	D	ELECTRIC LINE
MB	MAILBOX	G	DRAIN LINE
HH	HANDHOLE	FM	GAS LINE
UP#	GUY POLE	CATV	FORCE MAIN LINE
UP/LP	GUY WIRE	MW	CABLE TELEVISION LINE
LP	UTILITY POLE	+ 46.3	MONITORING WELL
OHV	UTILITY POLE/LIGHT POLE	- 40 - - - -	SPOT ELEVATION FROM AERIAL MAPPING
DMH	OVERHEAD WIRE	PLAS	INTERMEDIATE CONTOUR
BHMH	DRAIN MANHOLE	RCP	INDEX CONTOUR
CB	BRADLEY HEAD MANHOLE	CI	PLASTIC PIPE
	CATCH BASIN	PVC	REINFORCED CONCRETE PIPE
	CURB INLET	VC	CAST IRON PIPE
	RIM	AC	POLYVINYL CHLORIDE
	INVERT	(LP)	VITREOUS CLAY PIPE
	TOP OF BELL	(HP)	ASBESTOS CONCRETE PIPE
	TOP OF ELBOW	STL	LOW PRESSURE
	NO PIPE VISIBLE	O/S	HIGH PRESSURE
	THROATSTONE	PED XING	STEEL PIPE
		PL	OFF SIDE
		0.5' HIGH	PEDESTRIAN CROSSING
			PLANTER
			HEIGHT OF WALLS

DESIGNED BY:	S. SYDE
DRAWN BY:	J. CABRERA
SHEET CHK'D BY:	R. NORTON
CROSS CHK'D BY:	J. KEANEY
APPROVED BY:	X
DATE:	NOVEMBER 2014

**CDM Smith**  
260 West Exchange Street, Suite 300  
Providence, RI 02903  
Tel: (401) 751-5360

CITY OF NEW BEDFORD, MASSACHUSETTS  
WASTEWATER SYSTEM IMPROVEMENTS  
**PHASE I - COGGESHALL STREET SEWER SEPARATION**

**LEGEND, GENERAL NOTES AND GENERAL PLAN**

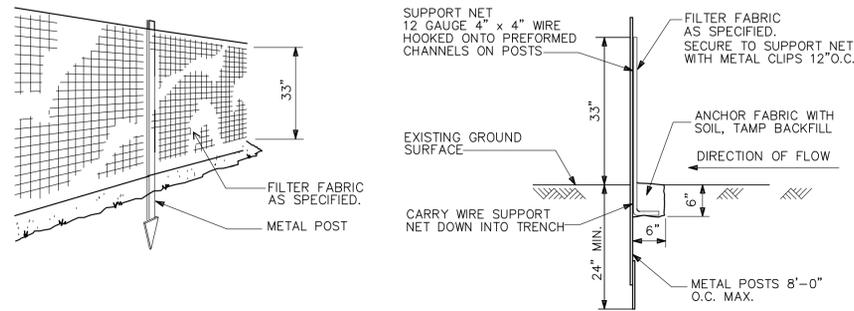
PROJECT NO. 0309-97426  
FILE NAME: LGND

SHEET NO.  
**LGN**  
Accession No: 0309-P-XXXX

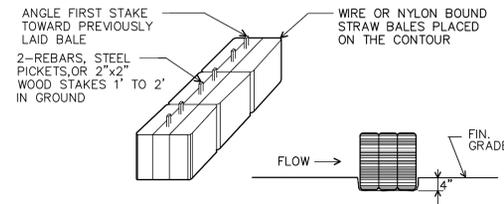
©2014 CDM SMITH. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

REV. NO.	DATE	DRWN	CHKD	REMARKS

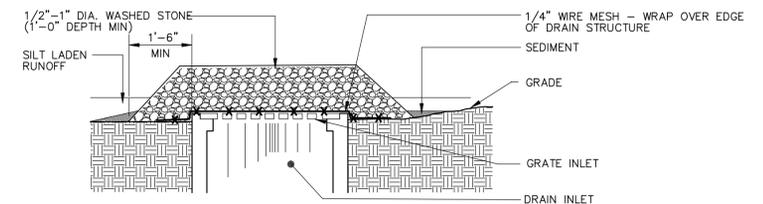
©2014 CDM SMITH. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



**SILT FENCE DETAIL**  
NTS



**STAKED HAYBALE DETAIL**  
NTS



**DROP INLET SEDIMENT FILTER DETAIL**  
NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: S. SYDE  
 DRAWN BY: J. CABRERA  
 SHEET CHK'D BY: L. VIERA  
 CROSS CHK'D BY: J. KEANEY  
 APPROVED BY: X  
 DATE: NOVEMBER 2014

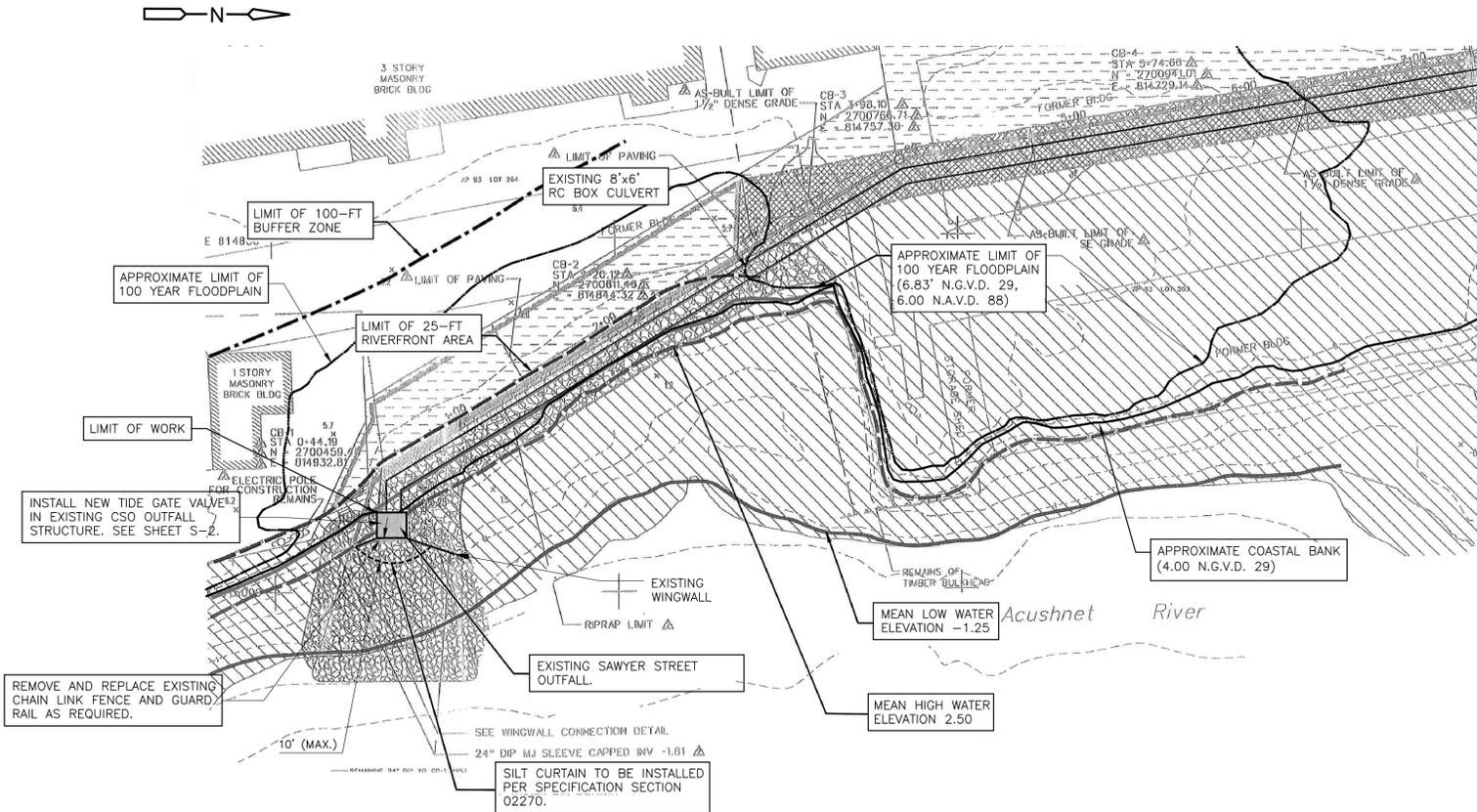


CITY OF NEW BEDFORD, MASSACHUSETTS  
 WASTEWATER SYSTEM IMPROVEMENTS  
 PHASE I - COGGESHALL STREET SEWER SEPARATION

MISCELLANEOUS DETAILS I

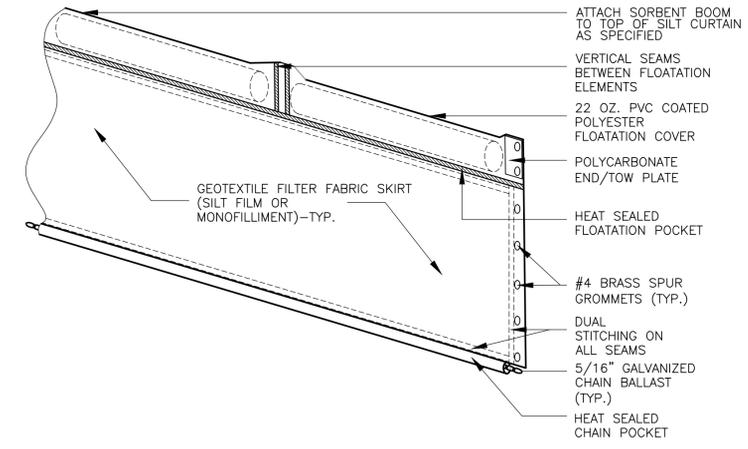
PROJECT NO. 0309-97426  
 FILE NAME: CSTDT001  
 SHEET NO. C-1  
 Accession No: 0309-P-XXXX

©2014 CDM SMITH. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

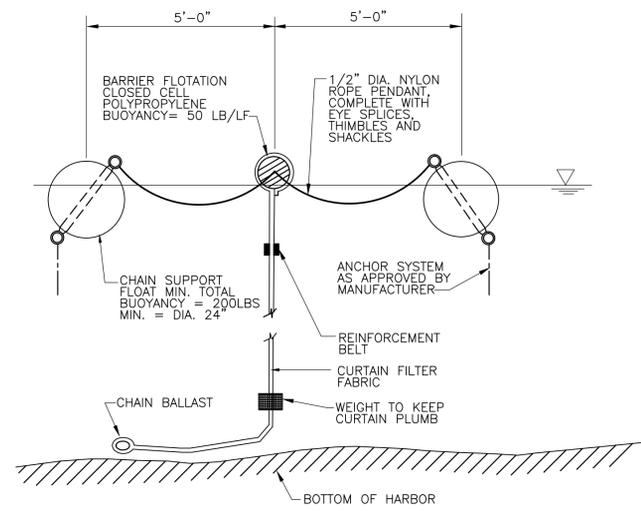


**NOTES:**  
 1. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D. 29). TO CONVERT TO CITY OF NEW BEDFORD CITY DATUM (N.B.C.D.), SUBTRACT 2.55 FEET.

**PLAN**  
 1"=40'±



**PLAN**



**SILT CURTAIN WITH SORBENT BOOM SECTION**  
 NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: S. SYDE  
 DRAWN BY: J. CABRERA  
 SHEET CHK'D BY: L. VIERA  
 CROSS CHK'D BY: J. KEANEY  
 APPROVED BY: X  
 DATE: NOVEMBER 2014

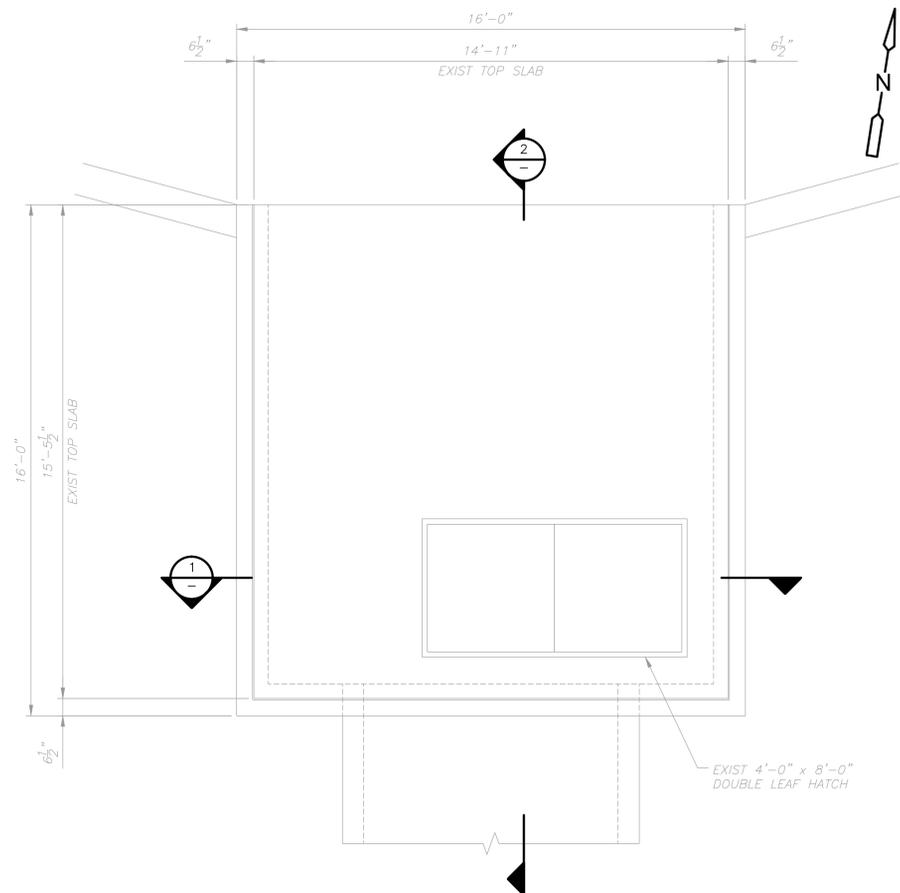


CITY OF NEW BEDFORD, MASSACHUSETTS  
 WASTEWATER SYSTEM IMPROVEMENTS  
**PHASE I - COGGESHALL STREET SEWER SEPARATION**

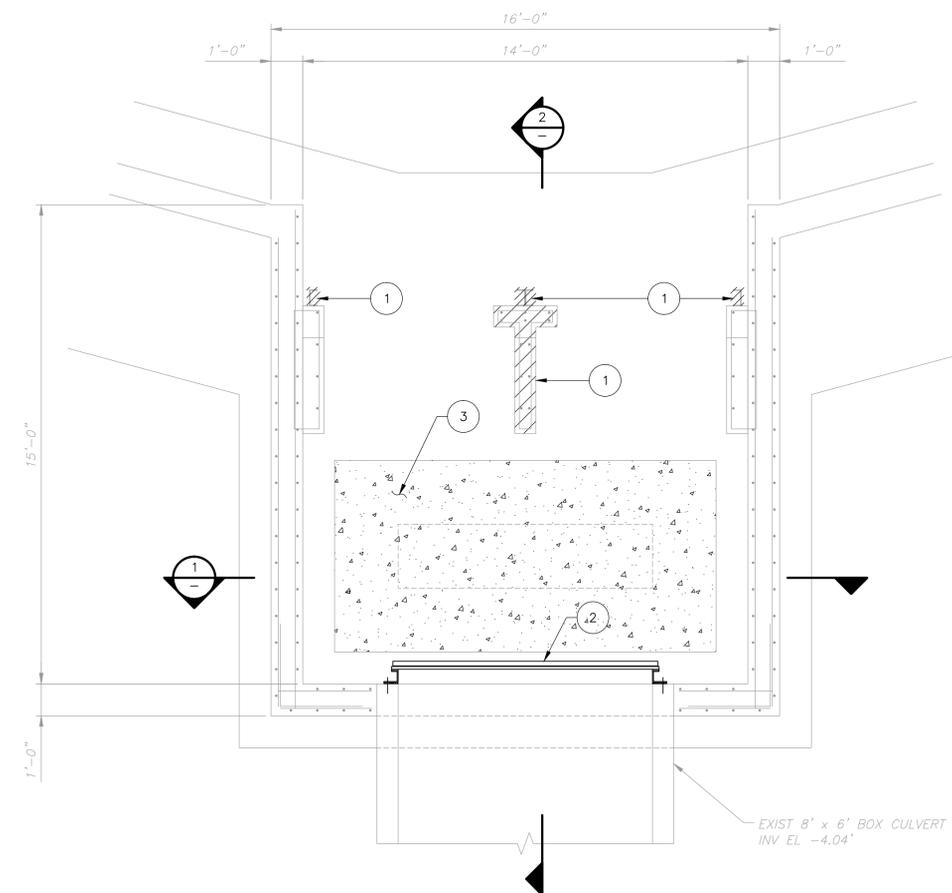
MISCELLANEOUS DETAILS X  
**C-10**

PROJECT NO. 0309-97426  
 FILE NAME: CSTD010  
 SHEET NO.  
 Accession No: 0309-P-XXXX

© 2014 CDM SMITH. ALL RIGHTS RESERVED. THESE DOCUMENTS ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



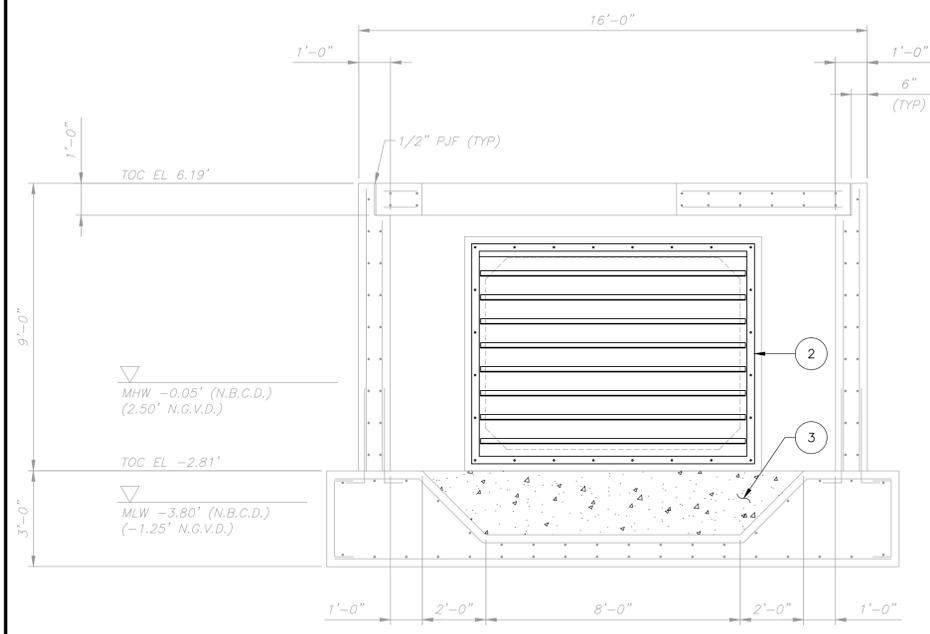
**TOP SLAB  
PLAN**  
 3/8" = 1'-0"



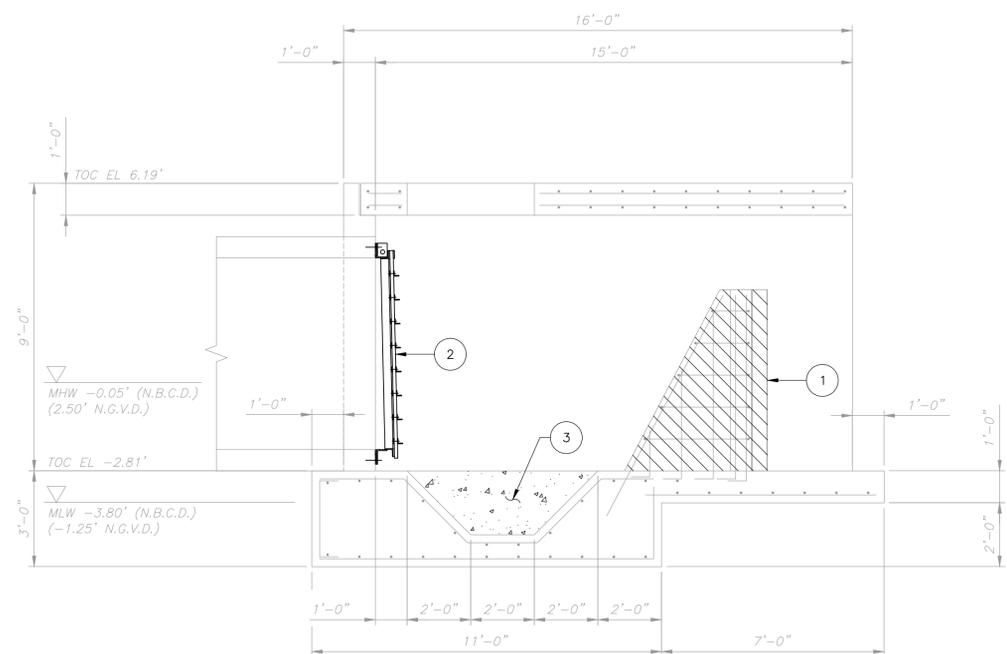
**BOTTOM SLAB  
PLAN**  
 3/8" = 1'-0"

**NOTES:**  
 1. SEE S-1 FOR GENERAL NOTES & TYPICAL DETAILS.  
 2. CLEAR & REMOVE DEBRIS FROM EXISTING STRUCTURE PRIOR TO CONSTRUCTION.

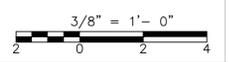
**KEYED NOTES:**  
 1. REMOVE EXISTING STAINLESS STEEL TRASH RACK, SUPPORT STEEL AND CONC WALL TO TOP OF FLOOR SLAB. PATCH FLOOR SLAB PER C/S-1.  
 2. 8'x6' FLAP VALVE PER SPECIFICATIONS. ATTACH TO END OF EXISTING 8'x6' BOX CULVERT PER MANUFACTURER'S RECOMMENDATIONS W/ HILTI HIT HY150 EPOXY INJECTION ADHESIVE ANCHORS. LOCATE ANCHORS ON CL OF BOX CULVERT WALLS. SUBMIT ANCHOR DETAIL FOR ENGINEER'S APPROVAL.  
 3. CLEAN SURFACE OF EXISTING DEPRESSION IN BOTTOM SLAB. COAT W/ EPOXY BONDING AGENT & FILL W/ CONC FILL.



**SECTION 1**  
 3/8" = 1'-0"



**SECTION 2**  
 3/8" = 1'-0"



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C SHAH  
 DRAWN BY: B BENNETT  
 SHEET CHK'D BY: S SYDE  
 CROSS CHK'D BY: J KEANEY  
 APPROVED BY: X  
 DATE: NOVEMBER 2014



CITY OF NEW BEDFORD, MASSACHUSETTS  
 WASTEWATER SYSTEM IMPROVEMENTS  
**PHASE I - COGGESHALL STREET SEWER SEPARATION**

**OUTFALL STRUCTURE  
PLANS AND SECTIONS**  
**S-2**

PROJECT NO. 0309-97426  
 FILE NAME: SJBPL002  
 SHEET NO. S-2  
 Accession No: 0309-PXXXX

DRAFT - FOR PERMITTING USE ONLY