



**US Army Corps
of Engineers**®
New England District
696 Virginia Road
Concord, MA 01742-2751

30-Day PUBLIC NOTICE

Comment Period Begins: September 28, 2010
Comment Period Ends: October 28, 2010
File Number: NAE-2010-1251
In Reply Refer To: Michael Riccio
Phone: (978) 318-8685
E-mail: Michael.S.Riccio@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below.

APPLICANT: Narragansett Bay Estuary Program/ Natural Resources Conservation Service

ACTIVITY: Partial removal of the Pawtuxet Falls Dam in Cranston and Warwick, Rhode Island.

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed in the Pawtuxet River in Cranston and Warwick, Rhode Island. The proposed location on the USGS Providence quadrangle sheet is at coordinates 41.7644 N and 71.3909 W.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
 Section 404 of the Clean Water Act
 Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

CENAE-R-PEB
FILE NO. NAE-2010-1251

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

This project will impact approximately 121,526 square feet of Essential Fish Habitat (EFH) for diadromous fish including, 2 species of river herring (*Alosa aestivalis* and *Alosa pseudoharengus*), American shad (*Alosa sapidissima*) and American eel (*Anguilla rostrata*). This habitat consists of rocky substrate at the site of the dam, sandy substrate upstream of the dam and sandy substrate downstream of the dam. The District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved **Coastal Zone Management Programs**. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- Permit, License or Assent from State.
- Permit from Local Wetland Agency or Conservation Commission.
- Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Michael Riccio at (978) 318-8685.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

In accordance with 33 CFR 325.2(a)(8), we publish monthly a list of permits issued or denied during the previous month at www.nae.usace.army.mil/reg, under the heading "Monthly General and Individual Permit Authorizations." Relevant environmental documents and the SOFs or RODs are available upon written request and, where applicable, upon the payment of administrative fees. Also visit www.nae.usace.army.mil for more information on the New England District Corps of Engineers programs.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



Diane M. Ray
Acting Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

PROPOSED WORK AND PURPOSE

The Narragansett Bay Estuary Program (NBEP) in conjunction with the Natural Resources Conservation Services proposes to restore native riverine ecology and fish populations by removing approximately 150 linear feet of the existing 170 linear foot Pawtuxet Falls Dam (PFD). The project will also include the excavation of approximately 3,500 cubic yards (76,000 square feet) of sediment from the Pawtuxet River immediately upstream of the PFD; to be disposed of in the Providence River Confined Aquatic Disposal cell (CAD cell).

Approximately 200 linear feet of cofferdams will be placed in the Pawtuxet River, in two (2) phases, in order to remove approximately 150 linear feet of the existing 170 linear foot Pawtuxet Falls Dam. The dam will be removed by barge which will access the river from the parking lot at the Rhodes immediately upstream.

Removal of 3,500 cubic yards of sediment upstream of the dam is being proposed to reduce potential sediment transport as a result of the dam removal work.

The purpose of this project is to begin restoring the native riverine ecology, fish populations, and wetlands functions and values of the lowermost seven mile stretch of the Pawtuxet River by restoring the natural run of the river.

MITIGATION – The project’s primary purpose is to improve natural functions and values of a seven (7) mile stretch of the Pawtuxet River. Therefore mitigation is not being required at this time. Wetland plant species are being planted along the impacted riverbanks.

NO.	DATE	BY	REVISIONS

PAWTUCKET RIVER RESTORATION PROJECT WARWICK, RHODE ISLAND
LIMIT OF DISTURBANCE PLAN 1



ENVIRONMENTAL ACTION
21300 Route 66
Warwick, RI 02886
Tel: 401.885.8600
Fax: 401.885.8601
www.ea.com

DATE: MARCH 2010
SCALE: 1"=100'
PROJECT NUMBER: 0277731
SHEET NUMBER: 3 OF 13



LEGEND

	100-YEAR FLOODPLAIN
	200' RIPARIAN BUFFER
	EMERGENT WETLAND - MARSH/NET WOODS
	PALUSTRINE OPEN WATER
	FORESTED WETLAND - BODIOUS
	SCUM-SLAG DUMP
	PARTIAL RIVER

XXX-XXX
PLOT-LOT NUMBER
NOTE: SERIES 1 AND 2 WELANDS ADJACENT TO THE CONSTRUCTION AREA ARE FIELD-DOWN AND TO BE RE-PLANTED WITH NATIVE SPECIES. SERIES 3 ARE TO BE RE-PLANTED WITH NATIVE SPECIES.

80% DESIGN DRAWINGS
NOT FOR CONSTRUCTION

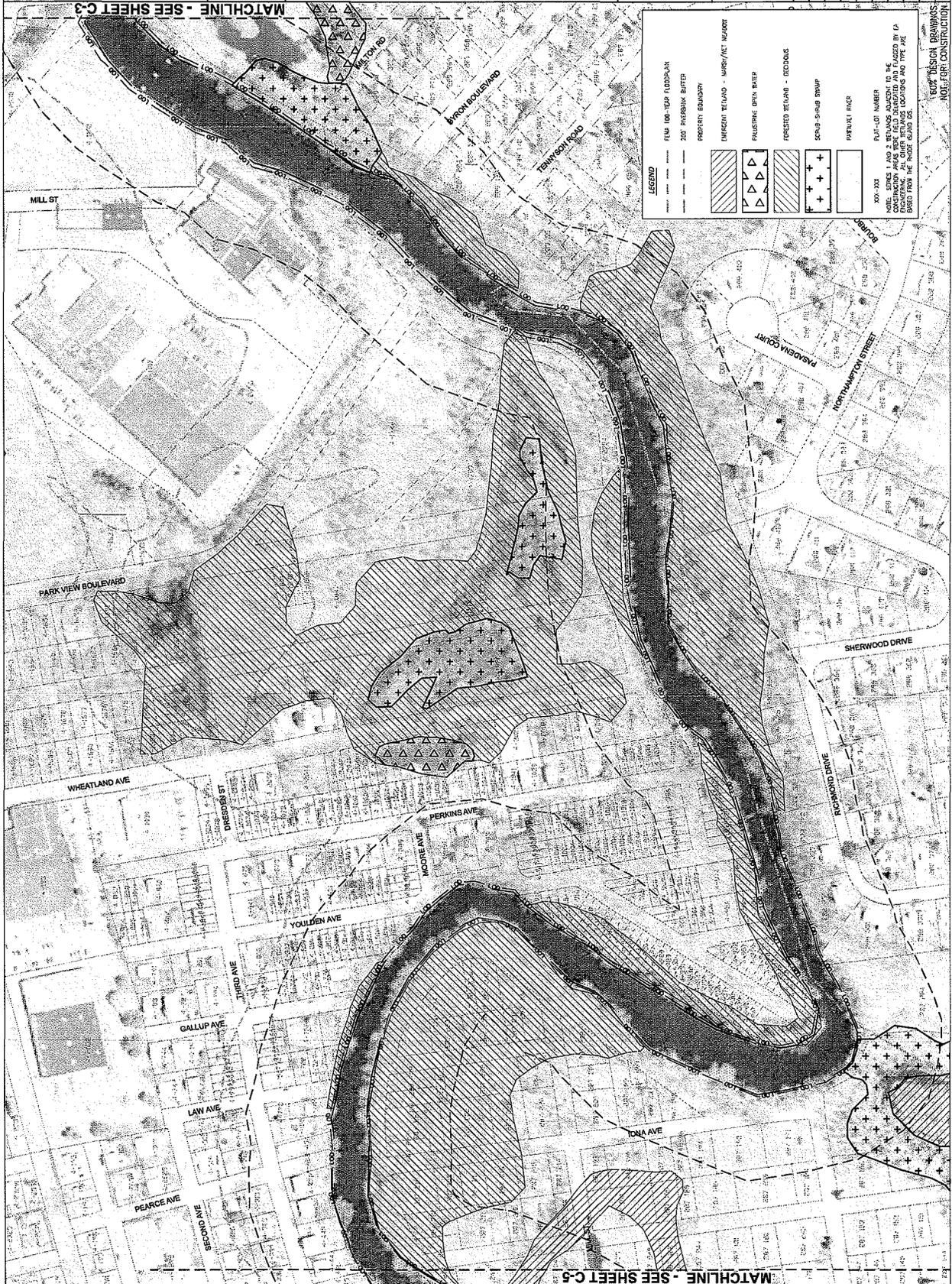
MATCHLINE - SEE SHEET C-3

NO.	DATE	BY	DESCRIPTION

LIMIT OF DISTURBANCE PLAN 3
 PANTUXET RIVER
 RESTORATION PROJECT
 WARWICK, RHODE ISLAND



ES&S
 ENVIRONMENTAL SCIENCE AND SERVICES
 2150 W. PARK ROAD
 WARWICK, RHODE ISLAND 02886
 PHONE: (401) 885-1000
 FAX: (401) 885-1001
 PROJECT NO.: 62272781
 SHEET NO.: 5 OF 13
 DATE: 11/10/07
 DRAWN BY: JGD
 CHECKED BY: JGD
 PROJECT: PANTUXET RIVER RESTORATION PROJECT
 SHEET: LIMIT OF DISTURBANCE PLAN 3
 SCALE: 1"=100'
 PROJECT NUMBER: 62272781
 SHEET NUMBER: 5 OF 13
 PROJECT TITLE: PANTUXET RIVER RESTORATION PROJECT
 SHEET TITLE: LIMIT OF DISTURBANCE PLAN 3



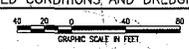
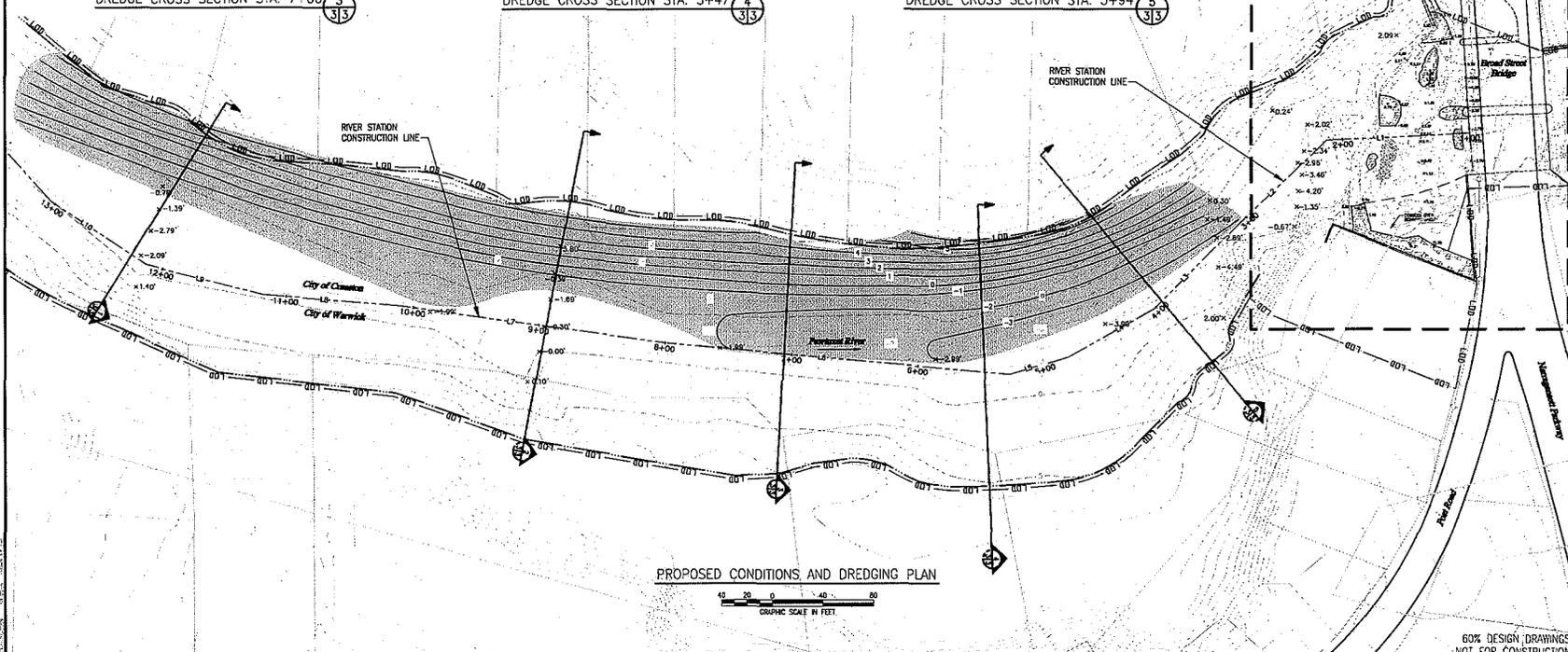
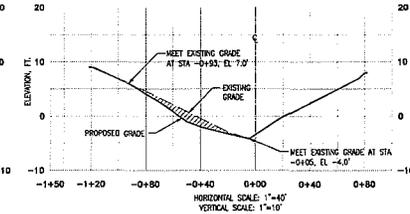
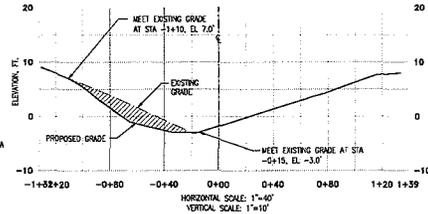
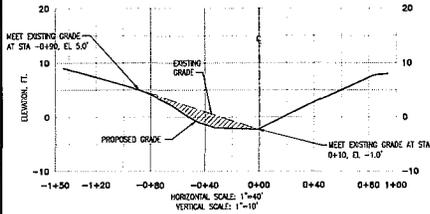
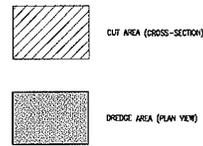
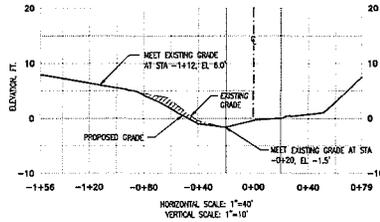
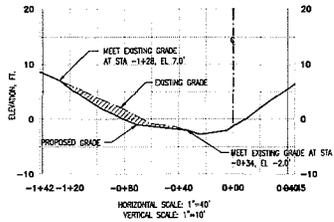
LEGEND

- 100-YEAR FLOODPLAIN
- 200-YEAR FLOODPLAIN
- PROPERTY BOUNDARY
- EMERGENT WETLAND - MURRY/NET W/AVERT
- FORESTED WETLAND - DECIDUOUS
- PRairie WETLAND - OPEN BATH
- SOILS - SWAMP STUMP
- PERMITS - PDR
- PLAT LOT NUMBER

NOT FOR CONSTRUCTION

MATCHLINE - SEE SHEET C-5

CHANNEL CENTERLINE REFERENCE TABLE		
LINE NO.	BEARING	DISTANCE
L1	S 87°07'21" W	112.30'
L2	S 46°14'15" W	98.31'
L3	S 44°37'21" W	91.22'
L4	S 60°46'39" W	72.96'
L5	S 22°02'21" W	48.06'
L6	N 84°43'46" W	272.15'
L7	N 82°03'46" W	210.01'
L8	N 85°14'11" W	108.17'
L9	N 75°22'45" W	95.08'
L10	N 88°18'36" W	90.14'
L11	N 41°27'50" W	146.43'



REVISIONS

NO.	DATE	DESCRIPTION

PAWTUXET RIVER RESTORATION PROJECT WARWICK, RHODE ISLAND

PROPOSED CONDITIONS AND DREDGING PLAN

EA
EA ENGINEERING & TECHNOLOGY

2550 Main Street
Warwick, Rhode Island 02886
(401) 736-3440

DATE: AUGUST 2010

DESIGNED BY: SCM

DRAWN BY: DPA

CHECKED BY: YCC

PROJECT MANAGER: SWM

PROJECT NUMBER: 02277.01

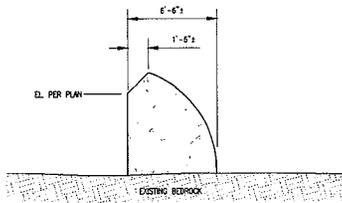
SCALE: AS SHOWN

FILE NAME: DREDGING

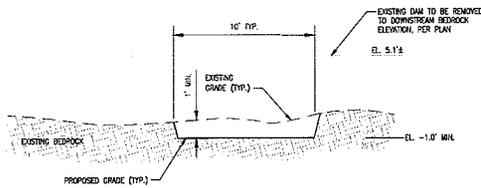
DRAWING NUMBER: C-6

SHEET NUMBER: 7 OF 13

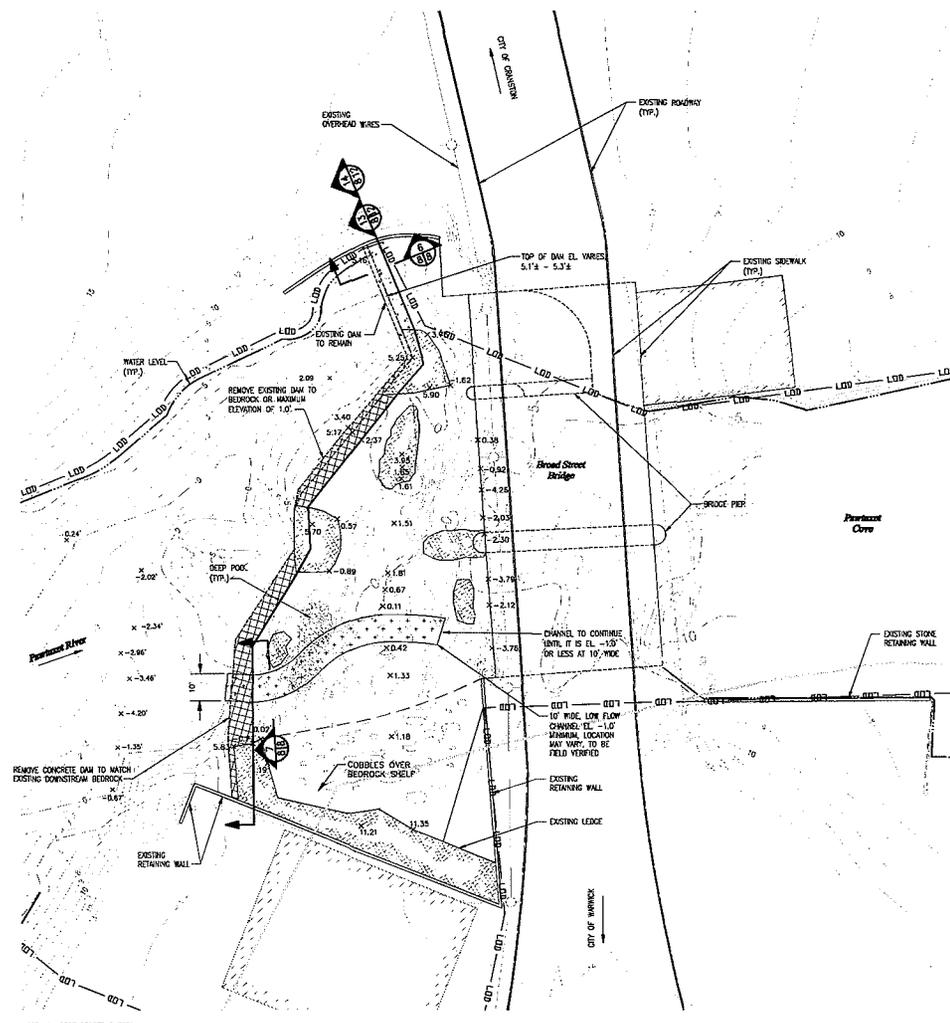
60% DESIGN DRAWINGS NOT FOR CONSTRUCTION



EXISTING DAM SECTION 6
SCALE 3/4" = 1'-0" 4/4



LOW FLOW CHANNEL (TYP.) 7
SCALE 3/4" = 1'-0" 4/4



NOTE: ALL SPOT GRADES SHOWN ARE EXISTING ELEVATION

DAM REMOVAL PLAN
GRAPHIC SCALE IN FEET
0 10 20 40

NO.	DATE	BY	REVISIONS	DESCRIPTION
PAWTUXET RIVER RESTORATION PROJECT WARWICK, RHODE ISLAND				
DAM REMOVAL PLAN				
 EA ENGINEERING, SCIENCE AND TECHNOLOGY 2350 Paul Road Warwick, Rhode Island 02886 (401) 734-3440				
DATE: AUGUST 2010				
DESIGNED BY: SCM				
DRAWN BY: DPA				
CHECKED BY: TDC				
PROJECT NUMBER: SW				
PROJECT NUMBER: 0277.01				
SCALE: 1"=20'				
FILE NAME: DAM REMOVAL				
DRAWING NUMBER: C-7				
SHEET NUMBER: 8 OF 13				

60% DESIGN DRAWINGS
NOT FOR CONSTRUCTION

NOTES:

- ALL WORK WILL BE CONDUCTED WITHIN THE 100-YEAR FLOOD PLAIN AND THE 200-FT RIVERBANK WETLAND RESOURCE AREA.
- ALL ELEVATIONS REFERENCE NGVD 29 DATUM.
- SITE IS LOCATED AT THE BROAD STREET BRIDGE, WARWICK, RHODE ISLAND.
- MAINTAIN A COPY OF THE DEM STAMPED APPROVED SITE PLANS AND FRESHWATER WETLANDS PERMIT ON SITE AT ALL TIMES DURING CONSTRUCTION.
- IN A CONSPICUOUS LOCATION, POST A WEATHER RESISTANT SIGN AT LEAST 12" WIDE AND 18" LONG, WHICH BOLDLY IDENTIFIES THE INITIALS "DEM" AND THE APPLICATION AND PERMIT NUMBER FOR THE PROJECT.
- TEMPORARY COFFERDAMS SHALL BE AS SHOWN ON PLANS, OR EQUIVALENT. COFFERDAMS SHALL EXTEND AT LEAST 1.5 FT ABOVE AVERAGE ELEVATION OF THE REMAINING PORTION OF THE DAM.
- CONTRACTOR SHALL SUBMIT A DEWATERING PLAN (CERTIFIED BY A P.E.) INCLUDING COFFERDAM INSTALLATION AND ROCK RAMP ACCESS INTO COFFERDAM, IF DEEMED NECESSARY, AT LEAST THIRTY (30) DAYS PRIOR TO MOBILIZATION.
- LOCATION OF STAGING, ACCESS, AND STOCKPILE AREAS TO BE FINALIZED DURING PRE-CONSTRUCTION MEETING/SITE WALK.

SEQUENCE OF CONSTRUCTION:

- NOTIFY THE SITE ENGINEER FOR THE REQUIRED PRE-CONSTRUCTION MEETING SEVEN (7) DAYS BEFORE COMMENCING SITE DISTURBANCE.
- MAP AND CLEAR UTILITIES AS NECESSARY.

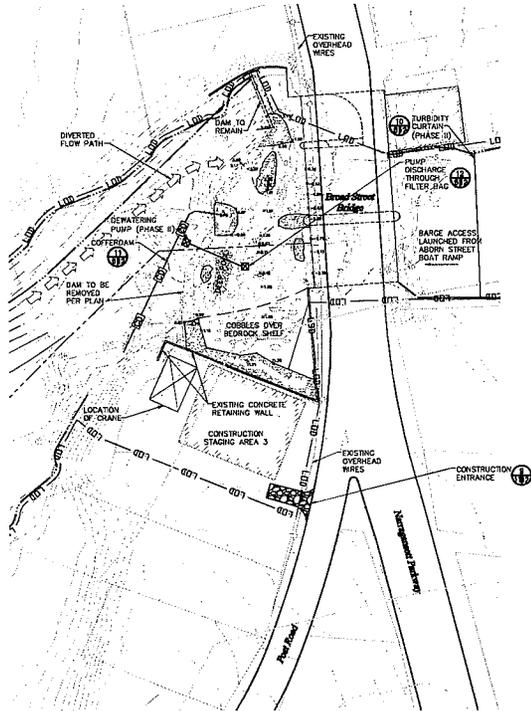
PHASE II

- DAM REMOVAL RELATED WORK IS TO BE PERFORMED DURING THE LOW FLOW PERIOD (1 JULY - 31 OCTOBER 2011).
- INSTALL STABILIZED CONSTRUCTION ENTRANCES AT STAGING AREAS 2 AND 3. THEN CLEAR AND GRUB FOR THE INSTALLATION OF PERIMETER EROSION AND SEDIMENTATION CONTROL DEVICES ONLY.
- CONSTRUCT TEMPORARY STAGING AREA 2 FOR BARGE AND BOAT ACCESS UPSTREAM OF THE BROAD STREET BRIDGE, SEE SHEET 5. CONSTRUCTION MATERIALS MAY BE DELIVERED TO DAM AND STAGING AREA 1 VIA BARGES.
- CONTRACTOR TO NOTIFY THE LANDOWNER OF CONSTRUCTION STAGING AREA 3 THIRTY (30) DAYS AND SEVEN (7) DAYS PRIOR TO MOBILIZATION TO STAGING AREA 3.
- STABILIZE AND SECURE STAGING AREA 3. AREA TO ONLY BE USED FOR INSTALLATION OF THE COFFERDAM, LOADING WORK BARGES AND BOATS, AND DELIVERY OF MATERIALS TO AND FROM THE WORK AREA.
- STAGING AREAS 1 AND 2 SHALL BE USED FOR LOADING WORK BARGES AND BOATS AND STOCKPILING OF SOLID WOOD, PLASTIC, AND STEEL COMPONENTS. NO STOCKPILING OF EARTH OR NON-SOLID MATERIALS INCLUDING FUEL IS ALLOWED IN STAGING AREAS 1 AND 2.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SECURITY FENCING AT THESE AREAS AS NECESSARY.
- INSTALL PHASE II COFFERDAMS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS. STREAM FLOW SHALL BE MAINTAINED AS SHOWN ON THE PLANS.

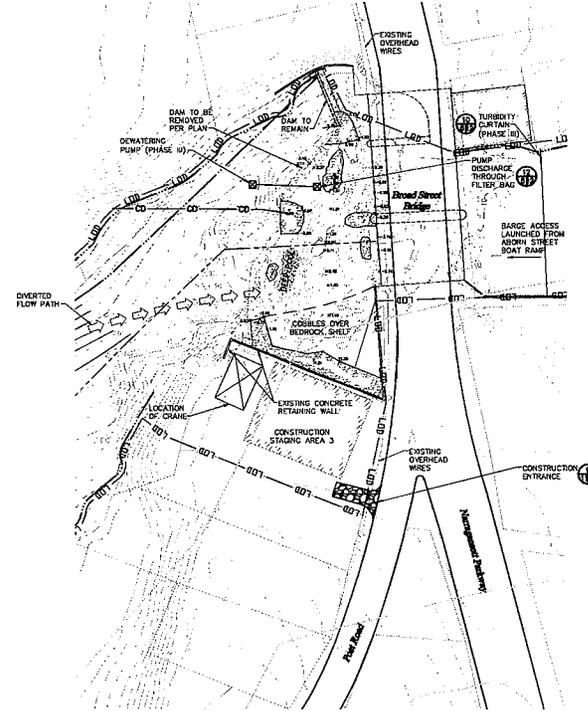
- DEWATER PHASE II WORK AREA. ALL WATER PUMPED OUT OF THE WORK AREA MUST BE DISCHARGED THROUGH A FILTER BAG.
- REMOVE DAM AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
- CONTRACTOR TO NOTIFY PAWTUXET RIVER AUTHORITY, THE USFWS HYDRAULIC ENGINEER, AND THE ENGINEER SEVEN (7) DAYS PRIOR TO CONSTRUCTION OF THE LOW FLOW CHANNEL DOWNSTREAM OF THE BREACHED DAM.
- PRA AND ENGINEER TO DIRECT CONTRACTOR ON THE EXACT LOCATION OF THE LOW FLOW CHANNEL.
- CONSTRUCT THE LOW FLOW CHANNEL DURING LOW TIDE ONLY.
- REMOVE PHASE II COFFERDAM, AND PREPARE FOR PHASE III.

PHASE III

- INSTALL PHASE III COFFERDAMS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS. STREAM FLOW SHALL BE DIVERTED THROUGH THE SECTION OF THE DAM REMOVED IN PHASE III.
- DEWATER PHASE III WORK AREA. ALL WATER PUMPED OUT OF THE WORK AREA MUST BE DISCHARGED THROUGH A FILTER BAG.
- REMOVE DAM AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
- REMOVE THE UPSTREAM PHASE III COFFERDAM.
- RESTORE STAGING AREAS TO ORIGINAL CONDITION OR AS SHOWN ON PLAN.



CONSTRUCTION MANAGEMENT PLAN PHASE II

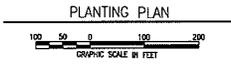
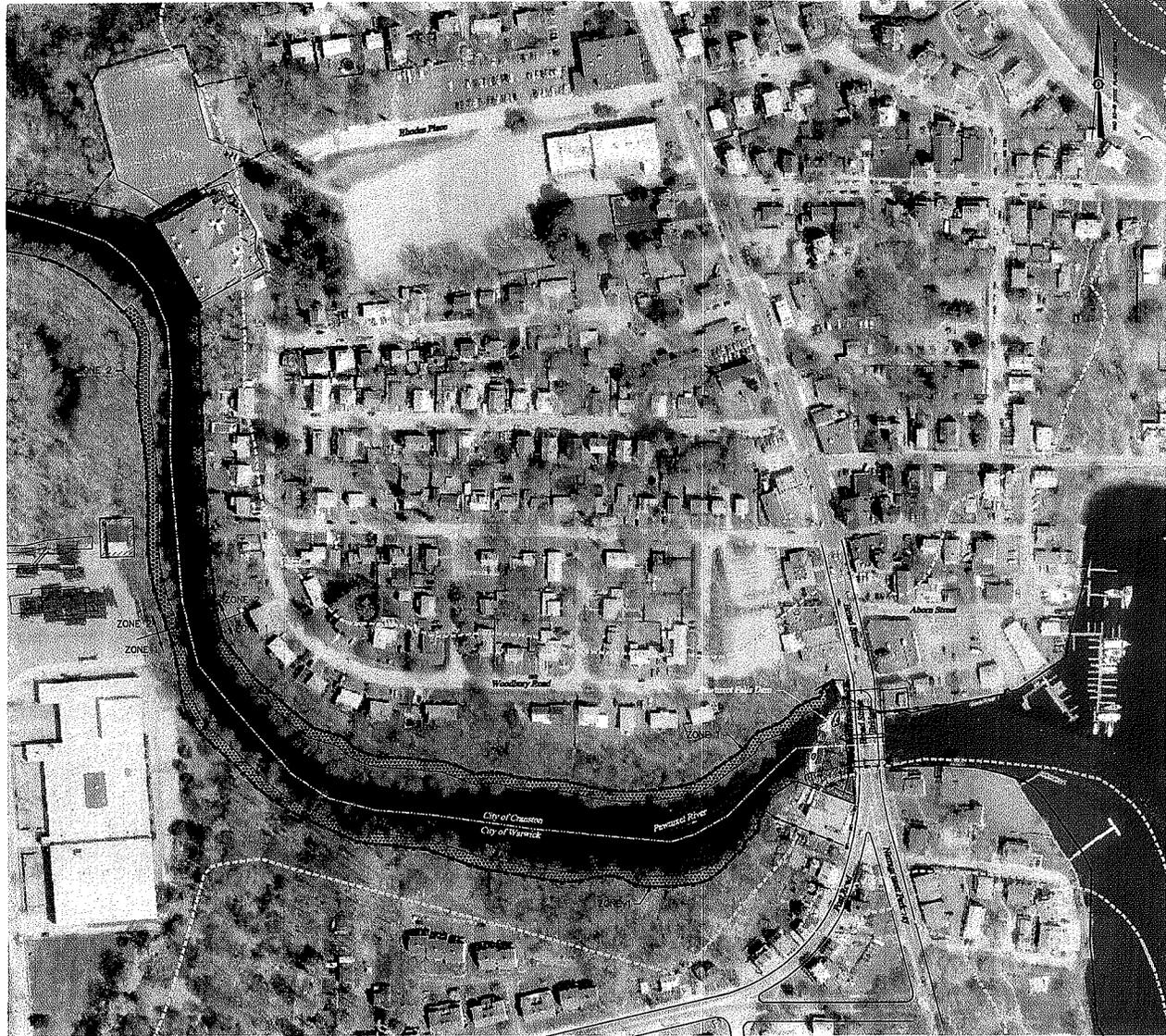


CONSTRUCTION MANAGEMENT PLAN PHASE III

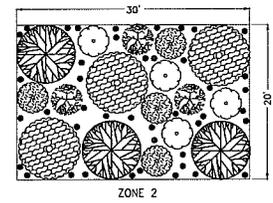
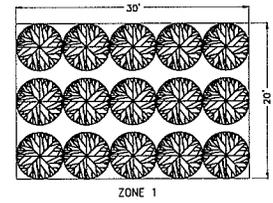


REVISIONS	DESCRIPTION
BY	
DATE	
NO.	
SCALE	
PAWTUXET RIVER RESTORATION PROJECT WARWICK, RHODE ISLAND CONSTRUCTION MANAGEMENT PLAN PHASE II & III	
EA ENGINEERING, SCIENCE, AND TECHNOLOGY 2350 First Road Warwick, Rhode Island 02886 (401) 738-3440	
DATE	AUGUST 2010
DESIGNED BY	SCM
DRAWN BY	DPK
CHECKED BY	TEC
PROJECT NUMBER	SSW
PROJECT NUMBER	62277.01
SCALE	AS SHOWN
FILE NAME	CACM
DRAWING NUMBER	D-10
SHEET NUMBER	11 OF 13

60% DESIGN DRAWINGS
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TYPICAL PLANTING ZONES



PROPOSED PLANTING ZONES



PLANTING NOTES

1. RESTORATION PLANTINGS WILL CONSIST OF NATIVE WETLAND SHRUB AND GRASS SPECIES. SUBSTITUTIONS MUST BE APPROVED THROUGH A PERMIT MODIFICATION BY RIDEM PRIOR TO INSTALLATION.
2. PLANTS SHALL BE INSTALLED IN THE LOCATIONS AND AT THE DENSITIES SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
3. INSTALLATION OF CONTAINERIZED PLANTINGS SHALL OCCUR BETWEEN 15 MARCH AND 15 JUNE, OR 1 SEPTEMBER AND 15 NOVEMBER.
4. INSTALLATION OF DORMANT LIVE STAKE PLANTINGS SHALL OCCUR DURING THE PLANT'S DORMANT PERIOD, BETWEEN 15 NOVEMBER AND 15 MARCH.
5. RESTORE CONSTRUCTION STAGING AREA 2 TO ORIGINAL CONDITION.
6. ZONE 1 SPECIES WILL CONSIST OF NATIVE RIPARIAN/WETLAND SHRUBS AND TREES THAT ARE SALT TOLERANT AND POSSESS PRICKLES OR OTHER THORNS.

NO.	DATE	BY	REVISED	DESCRIPTION
SCALE				
PANTUXET RIVER RESTORATION PROJECT WARWICK, RHODE ISLAND				PLANTING PLAN
EA ENGINEERING, SCIENCE AND TECHNOLOGY 2350 Pearl Road Warwick, Rhode Island 02886 (401) 738-3440				
DATE: AUGUST 2010				
DESIGNED BY: SCM				
DRAWN BY: DPA				
CHECKED BY: TEC				
PROJECT NUMBER: 02277.01				
PROJECT NUMBER: 02277.01				
SCALE: AS SHOWN				
FILE NAME: PLANTING				
DRAWING NUMBER: D-12				
SHEET NUMBER: 13 OF 13				

80% DESIGN DRAWINGS
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