

February 27, 2012

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF TRANSPORTATION
RHODE ISLAND CONTRACT NO.2012-CB-017
FEDERAL-AID PROJECT NO. FAP Nos: BRO-0023(004)

Pocasset River Bridge No. 23

Reservoir Ave/Route 2 STA 77+00.00 - STA 79+90.00

CITY/TOWN OF Cranston

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 2 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Clarification

1. Pre-Bid Conference Sign-in Sheet

For information only, the sign-in sheet from the February 22, 2012 Pre-Bid Conference is attached to this Addendum No. 2.

2. Addendum No. 1 Plans

Plan sheets 7(R-1), 13(R-1), and 14(R-1) were released as part of Addendum No. 1 at 8½×11 size. For clarity, full-size copies of these plan sheets are attached to this Addendum No. 2.

3. Overhead Utility Relocations

The temporary and permanent relocation of the overhead utilities is anticipated to be included in the Contractor's schedule. The permanent poles to be reset within the sidewalk must be set prior to casting these sections of sidewalk. The Contractor shall coordinate with the overhead utility companies as necessary to complete the work.

4. Permits for Utility Work

a. Water

The last paragraph of Section 3 of the General Provisions - Contract Specific on Page CS-5 requires the Contractor to obtain any necessary permits for the water main work. The only known permit required is from the Providence Water Supply Board (PWSB). The Contractor shall coordinate with PWSB to obtain the necessary permits.

b. Sewer

The last paragraph of the Description of Special Provision Codes 701.9902 and 701.9903 on Page JS-17 of the Specifications - Job Specific requires the Contractor to obtain any necessary permits for the sewer main work. The only known permit required is from the City of Cranston. The Contractor shall coordinate with the City of Cranston to obtain the necessary permits.

c. Electrical

The last paragraph of the Description of Special Provision Code T09.9902 on Page JS-62(R-1) of the Specifications - Job Specific requires the Contractor to obtain any necessary permits for the Temporary Relocation and Permanent Service to Building No. 1119. The only known permit required is from the City of Cranston. The Contractor shall coordinate with the City of Cranston to obtain the necessary permits.

5. Polyethylene Sheeting for Contaminated Soil

Any sheeting required as required by Specifications - Job Specific Code 201.9950 shall be considered incidental to Item Code 201.9950.

6. Removable Approach Slab Panels

All work associated with the removable approach slab panels shall be considered incidental to and will be paid for under Item 808.0508 "Concrete Substructure Class XX ¾" Approach Slabs."

B. Drawings/Plans - Change/Addition

1. Job Specific Plan Symbols, Legend, & Notes

Delete Drawing 5 of 66 in its entirety and replace with Drawing 5(R-1) of 66 attached to this Addendum No. 2. The bituminous concrete for driveways has been changed to Type I-2 and legend items have been added.

2. General Plan

Delete Drawings 7(R-1) of 66 in its entirety and replace with Drawings 7(R-2) of 66 attached to this Addendum No. 2. The bituminous concrete for driveways has been changed to Type I-2.

3. Drainage and Utility Plan

Delete Drawing 9 of 66 in its entirety and replace with Drawing 9(R-1) of 66 attached to this Addendum No. 2. Modifications have been made to some sewer materials, grades, and manholes. The Item Code in Note 2 has been modified and Note 4 has been added.

4. Suggested Phased Construction Sequence

Delete Drawing 25 of 66 in its entirety and replace with attached Drawing 25(R-1) of 66 attached to this Addendum No. 2. Suggested Phased Construction Sequence No. 1 has been revised to reference barrels instead of barrier.

5. Superstructure Sections and Details 2

Delete Drawing 50 of 66 in its entirety and replace with Drawing 50(R-1) of 66 attached to this Addendum No. 2. Note 3 has been deleted. The Contractor shall provide pipe seals in accordance with the Specifications - Job Specific Code 701.9901.

6. Bridge Notes - 1

Delete Drawing 19 of 66 and replace with Drawing 19(R-2) attached to this Addendum No. 2. The second paragraph of Concrete Note 1 has been deleted.

C. Specifications - Job Specific

1. Index
Delete Pages JS-i(R-1) and JS-ii(R-1) in their entirety and replace with Pages JS-i(R-2) and JS-ii(R-2) attached to this Addendum No. 2. Item Codes 201.9952, 702.9902, and 702.9903 have been added, Item Code 201.9950 has been renamed, and Item Code 701.9903 has been deleted.
2. Remove and Dispose Contaminated Soil
Delete Page JS-6(R-1), JS-7(R-1), and JS-8 in their entirety and replace with Pages JS-6(R-2), JS-7(R-2), and JS-8(R-1) attached to this Addendum No. 2. Item Code 201.9950 has been renamed and Item Code 201.9952 has been added. Disposal of contaminated soil has been separated from Item Code 201.9950 and is now included under Item Code 201.9952. In addition, the reference to Item Code 203.0800 has been changed to Item Code 202.0800.
3. Furnish and Install 16" Diameter Ductile Iron Sewer Main on Bridge No. 23
Delete Page JS-14 in its entirety and replace with Page JS-14(R-1) attached to this Addendum No. 2. The Description and Materials sections have been modified.
4. 12" and 16" SDR35 Sanitary Sewer Gravity
Delete Pages JS-17 and JS-22 in their entirety and replace with Page JS-17(R-1) and JS-22(R-1) attached to this Addendum No. 2. The Description and Materials sections have been modified and Item Code 701.9903 has been deleted.
5. Sewer Frames & Grates and Manholes
Insert Pages JS-46a and JS-46b. Items 702.9902 "City of Cranston Sanitary Sewer Manhole Precast" and 702.9903 "City of Cranston Sanitary Sewer Frame and Grate" have been added.

D. Distribution of Quantities

1. Index
Delete the Index in its entirety and insert the Index(R-2) attached to this Addendum No. 2. Several items have been modified, deleted, and added. See below for more detail.
2. Item Codes 201.9950 and 201.9952
Delete Pages 4 and 36 of 36 in their entirety and insert Pages 4(R-1) and 36(R-1) of 37 attached to this Addendum No. 2. The description for Item Code 201.9950 has been modified, and Item Code 201.9952 has been added.
3. Item Codes 401.0200 and 401.0300
Delete Pages 8, 9(R-1), and 36 of 36 in their entirety and insert attached Pages 8(R-1), 9(R-2), and 36(R-1) of 37 attached to this Addendum No. 2. Several locations have been moved from Item Code 401.0200 to new Item Code 401.0300.
4. Sanitary Sewer Quantities
Delete Pages 11, 13, 14, and 36 of 36 and replace with Pages 11(R-1), 13(R-1), 14(R-1), 36(R-1), and 37 of 37 attached to this Addendum No. 2. Several items related to sanitary sewer work have been affected.

- a. Item Codes 701.9903 and 701.0612

Item Code 701.9903 has been deleted. The quantities are now included under Item Code 701.0612.

- b. Item Codes 702.0522 and 702.9903

Item Code 702.0522 has been deleted. The quantities are now included under Item Code 702.9903.

- c. Item Codes 702.0630 and 702.9902

Four stations under Item Code 702.0630 have been moved to Item Code 702.9902.

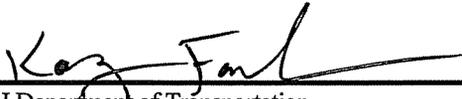
E. General Provisions - Contract Specific

1. Permits

Delete Pages CS-8 and CS-9 in their entirety and replace with Pages CS-8(R-1) and CS-9(R-1) attached to this Addendum No. 2. Information in Section 14 pertaining to the Army Corps of Engineers permits has been revised.

2. Appendix C

Delete the Department of the Army Programmatic General Permit dated February 13, 2007 in its entirety and replace with the Department of the Army General Permit dated February 22, 2012 attached to this Addendum No. 2.



RI Department of Transportation
Chief Engineer

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
BRIDGE DESIGN SECTION

+++ MEETING SIGN-IN SHEET+++

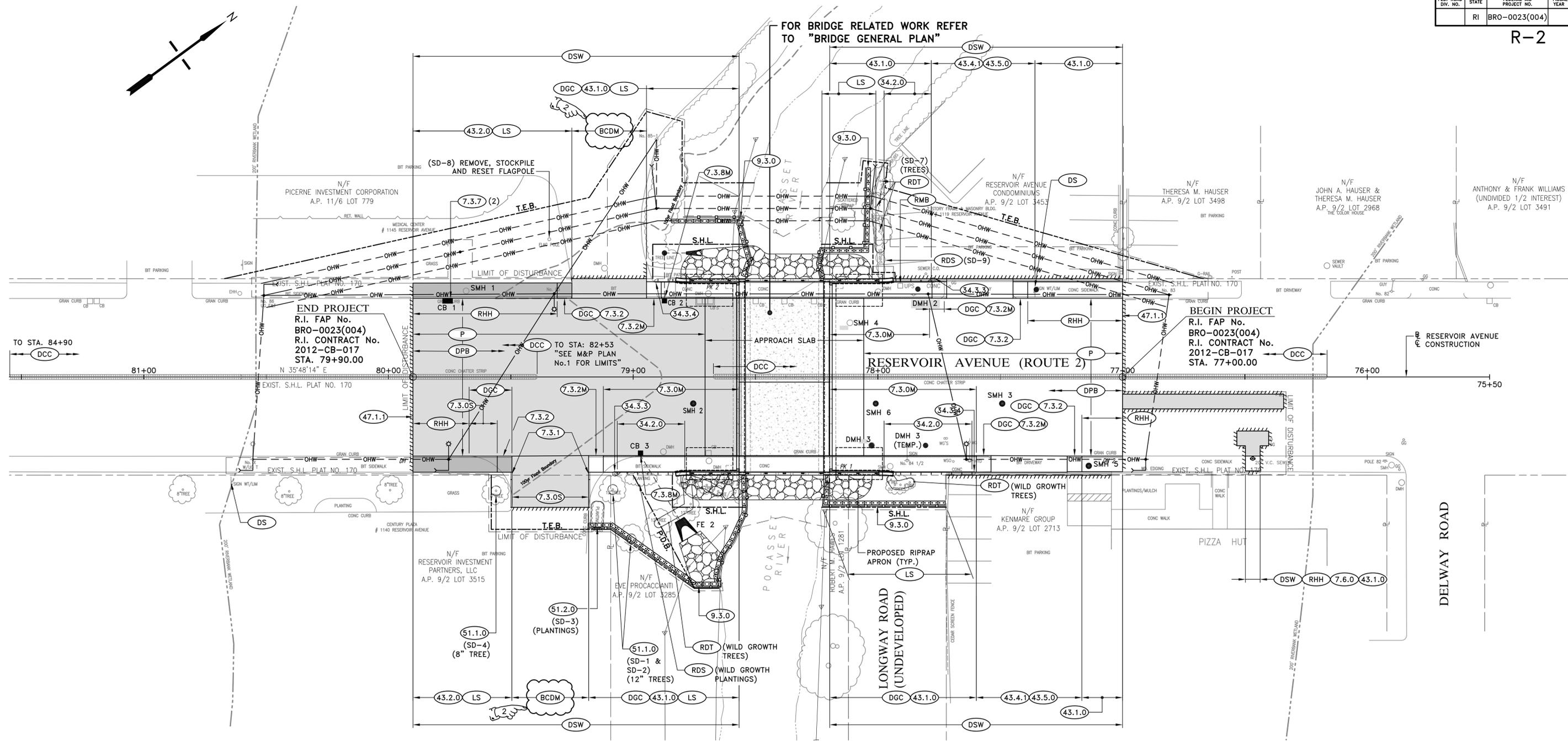
DATE: 2/2/2012

LOCATION: RIDOT TMC

SUBJECT: pre-Bid
Pocasset River Br. #23

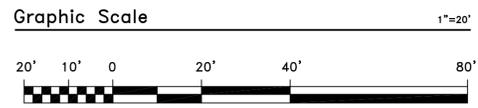
TIME: 9:00 am

NAME	AFFILIATION	TELEPHONE
Georgette K Chahine	RIDOT - Bridge	(401) 222-2055 X4069
Kevin Vizzanos	Parr Corporation	(401) 334-4100
DAVID ELWELL	PARE CORP.	401-334-4100
Andrew Iovanni	Manfont Brothers Inc	401-333-2550
ZEKE SAWICKI	CARDI CORP	401 739-8300
MIKE SARRASIN	JOHN ROCCHIO CORP	401-949-3565
William D Smith	RIDOT	401-639-0969 cell
LORI FISette	RIDOT	401-222-6590 X 4665
John Ayotte	Veolia Water	401-265-7838
BILL Wilber	veolia water	401 942-2121
J Perri	RIDOT	222-2023 EX 4095
JEFF BOSTOCK	AETNA BRIDGE Co.	728-0400
PAUL BROWN	JH LYNCH	333-4500
FRANK CORRAO, JR	RIDOT	222-2462 X4202
NATHAN SAMPSON	RIDOT	222-3260 X4100
ANDREW PION	PWSB	524 521 6300 X 7250 368 5870
RON CAMPBELL	PWSB	



NOTES:

- FOR CLARITY, UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS PLAN. SEE "DRAINAGE AND UTILITY PLAN" FOR UTILITY INFORMATION.
- ALL REQUIRED TREE TRIMMING SHALL BE PERFORMED UNDER THE RIDOT STATE WIDE TRIMMING CONTRACT AND COORDINATED WITH THE STATE.
- PORTIONS OF THE EXISTING FLEXIBLE PAVEMENT PARKING LOT AT A.P. 9/2 LOG 3483 SHALL BE REMOVED AND DISPOSED AND REPLACED WITH 3 INCHES OF BITUMINOUS SURFACE COURSE TYPE 1-2 PAVEMENT AS NEEDED AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR PAVEMENT SAWCUTTING WILL BE MADE UNDER ITEM CODE 932.0220.



REVISIONS		
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2	2/22/12	RJK

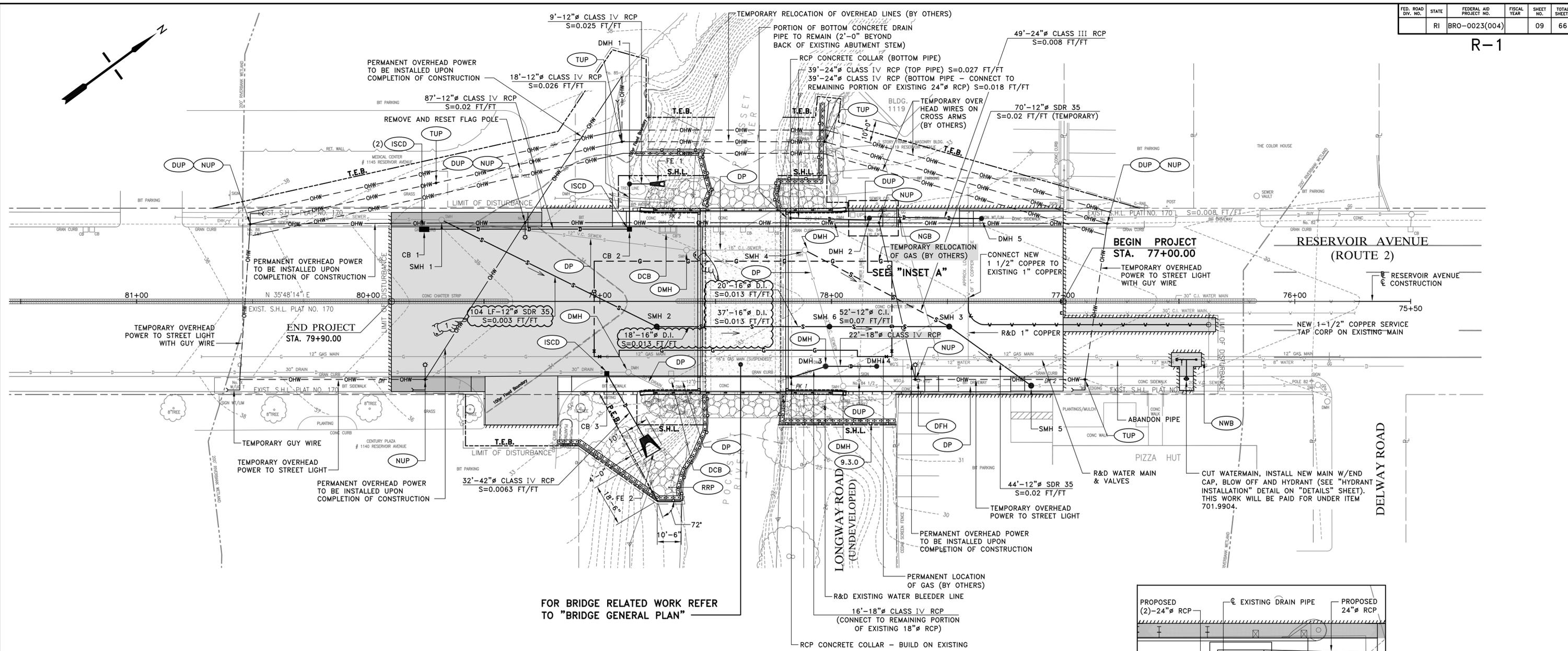
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REHABILITATION OF
**POCASSET RIVER BRIDGE
No. 23**

CRANSTON RHODE ISLAND

GENERAL PLAN

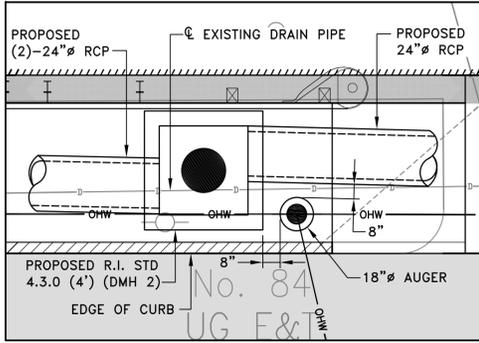
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FOR BRIDGE RELATED WORK REFER TO "BRIDGE GENERAL PLAN"

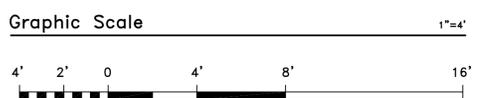
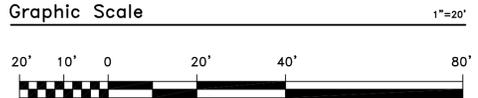
NOTES:

- TEMPORARY RELOCATION AND PERMANENT LOCATION OF OVERHEAD WIRES AND GAS LINES TO BE PERFORMED BY THE RESPECTIVE UTILITY COMPANIES. SEQUENCE OF CONSTRUCTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY COMPANY.
- TEMPORARY RELOCATION AND PERMANENT LOCATION OF UNDERGROUND SERVICE TO BUILDING No. 1119 TO BE PERFORMED BY CONTRACTOR. PAYMENT WILL BE MADE UNDER ITEM T09.9902 "TEMPORARY RELOCATION AND PERMANENT SERVICE TO BUILDING No. 1119."
- REMOVAL, STOCKPILING, AND RESETTING OF THE FLAGPOLE SHALL BE PERFORMED IN ACCORDANCE WITH ITEM CODE 201.9903 OF THE JOB SPECIFIC SPECIFICATIONS.
- THE CONTRACTOR SHALL PERFORM ALL SEWER WORK IN ACCORDANCE WITH THE REQUIREMENTS OF A) THE CITY OF CRANSTON'S SEWER USE ORDINANCE AND APPLICABLE LAW, B) THE STANDARD SPECIFICATIONS, AND C) THE CONTRACT PLANS AND SPECIAL PROVISIONS. IN CASES OF CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL APPLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS FROM THE CITY OF CRANSTON FOR PERFORMING THE SEWER MAIN WORK. NO ADDITIONAL PAYMENT WILL BE MADE FOR OBTAINING PERMITS.



INSET A
SCALE: 1"=4'

CB 1 3.3.4 6.3.4 (2) 7.3.7 (2) STA. 79+76 31' RT. RIM = 35.71 INV. OUT = 32.37	CB 2 4' 4.4.0 (F) 6.3.4 7.3.8M STA. 78+80 31' RT. RIM = 33.46 INV. IN = 30.63 INV. OUT = 30.63	CB 3 6' 4.4.0 (F) 6.3.4 7.3.8M STA. 78+97 31' LT. RIM = 33.62 INV. IN = (BUILD ON EXIST. PIPE) INV. OUT = 26.20	FE 1 2.3.0 (12") STA. 78+72 50' RT. INV. OUT = 29.95	FE 2 2.3.0 (42") STA. 78+78 62' LT. INV. OUT = 26.00
DMH 1 4.2.0 6.2.0 STA. 78+87 50' RT. RIM = 34.30 INV. IN = 30.18 INV. OUT = 30.18	DMH 2 4.3.0 6.2.0 STA. 77+84 35' RT. RIM = 32.58 INV. IN = 22.48 INV. OUT = 27.02 INV. OUT = 22.48	DMH 3 4.2.2 6.2.0 STA. 77+03 28' LT. RIM = 32.09 INV. IN = 22.11 INV. OUT = 22.11	DMH 4 4.2.2 6.2.0 STA. 77+80 28' LT. RIM = 31.96 INV. IN = BUILD ON EXISTING INV. OUT = BUILD ON EXISTING	DMH 5 4.2.0 6.2.0 STA. 77+35 36' RT. RIM = 31.92 INV. IN = 22.88 INV. OUT = 22.88
SMH 1 AFC STA. 79+68 35' RT. INV. OUT = 30.10	SMH 2 CSMH CSFC STA. 78+75 11' LT. RIM = 33.70 INV. IN = 29.79 INV. OUT = 29.79 (TEMP)	SMH 3 CSMH CSFC STA. 77+49 11' LT. RIM = 31.86 INV. IN = 24.34 INV. IN = 25.22 INV. OUT = 25.22	SMH 4 DMH STA. 78+11 22' RT. RIM = 32.54 INV. OUT = 26.62	SMH 5 CSMH CSFC STA. 77+14 36' LT. RIM = 31.43 INV. IN = 24.34 INV. OUT = BUILD ON EXISTING PIPE
SMH 6 CSMH CSFC STA. 78+01 11' LT. RIM = 32.60 INV. IN = 28.80 INV. OUT = 26.80				



PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

REVISIONS		
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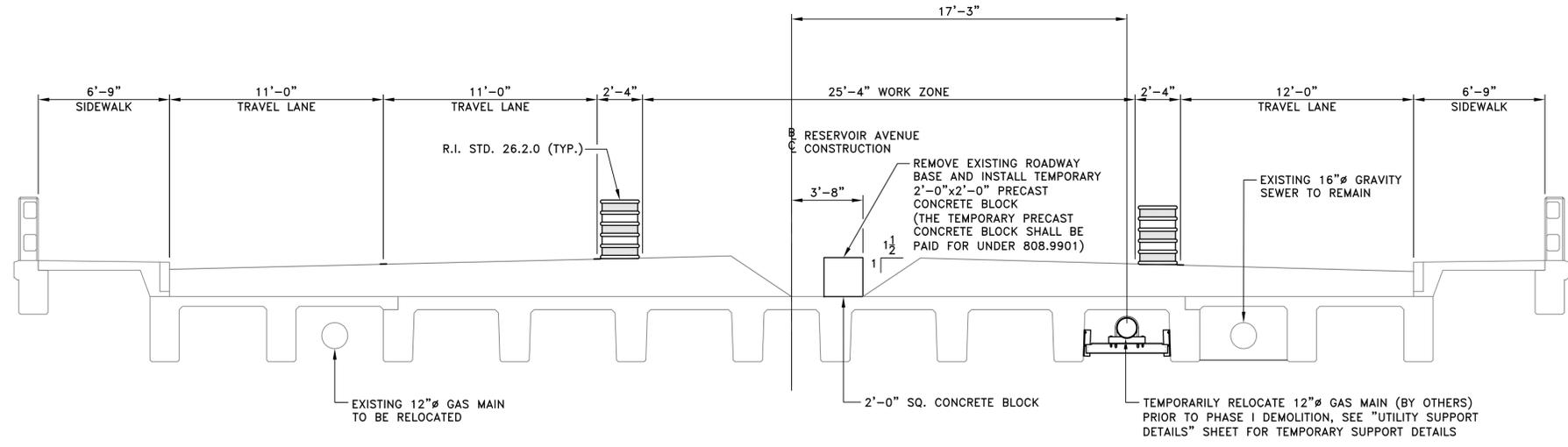
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REHABILITATION OF
POCASSET RIVER BRIDGE
No. 23

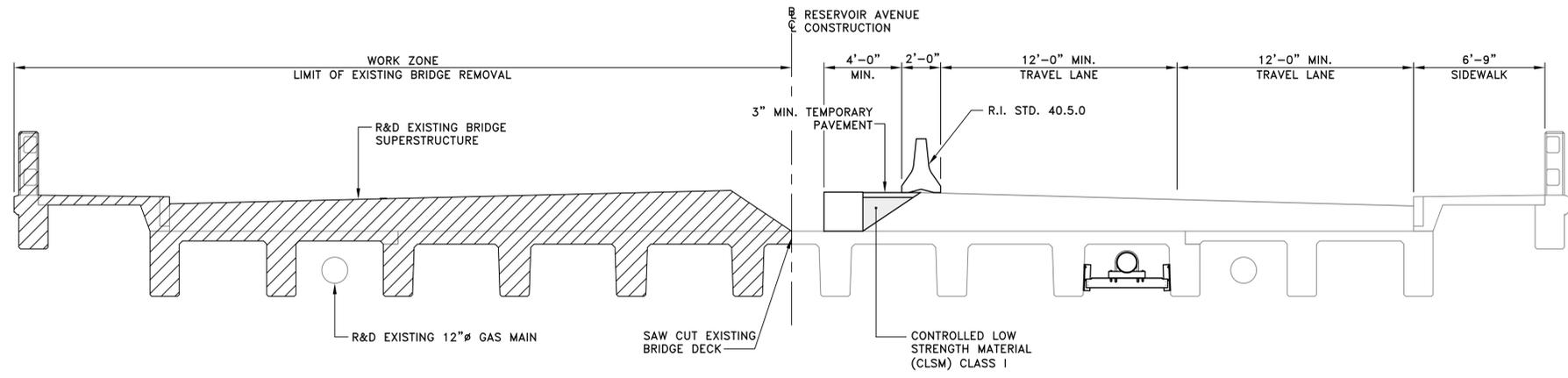
CRANSTON RHODE ISLAND

DRAINAGE AND UTILITY PLAN

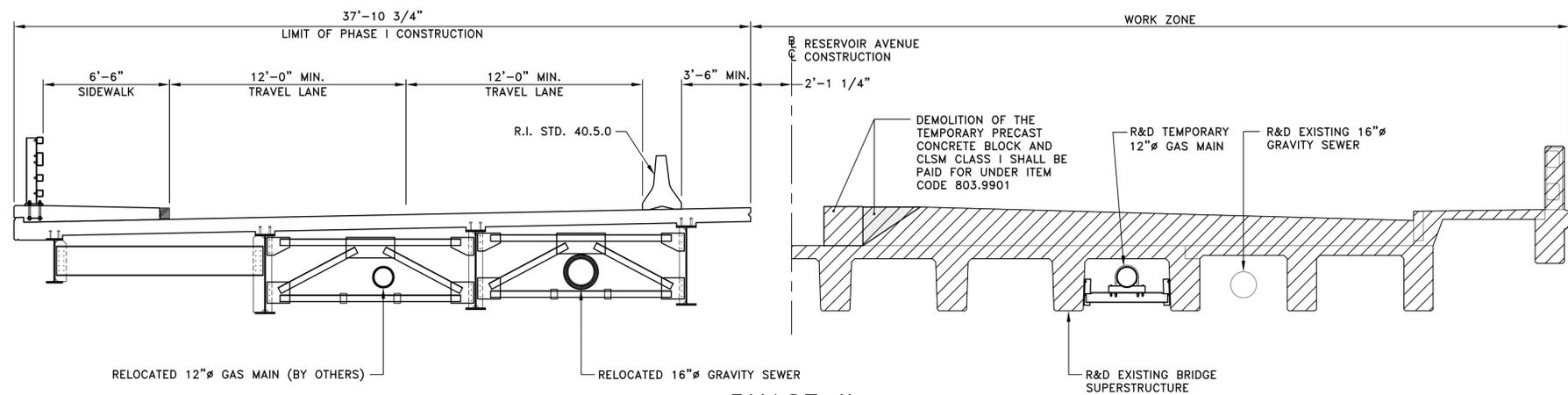
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PRELIMINARY PHASE



PHASE I



PHASE II

SUGGESTED SEQUENCE OF CONSTRUCTION

THE FOLLOWING SEQUENCE OF CONSTRUCTION IS PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS NOT BOUND BY THIS SUGGESTED SEQUENCE AND SHALL BE RESPONSIBLE FOR SCHEDULING ALL WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

1. INSTALL BARRELS TO ESTABLISH TRAVEL LANES, RELOCATE OVERHEAD UTILITIES AND TEMPORARILY RELOCATE 12"Ø GAS LINE (PRELIMINARY PHASE).
2. REMOVE EXISTING PORTION OF ROADWAY AND INSTALL TEMPORARY BLOCK FOR BARRIER. ALSO TEST AND REMOVE CONTAMINATED SOIL AT SOUTH ABUTMENT (PRELIMINARY PHASE).
3. INSTALL APPROPRIATE DRAINAGE CATCH BASINS AND MANHOLES (PRELIMINARY PHASE).
4. COMPLETE PRELIMINARY PHASE AND SHIFT TRAFFIC TO THE WEST SIDE OF THE BRIDGE.
5. INSTALL TEMPORARY EARTH SUPPORT SYSTEM AT THE ABUTMENTS AND EAST WINGWALLS (PHASE I).
6. EXCAVATE SOIL SURROUNDING SUBSTRUCTURES; TEST AND REMOVE CONTAMINATED SOIL AT THE SOUTH ABUTMENT (PHASE I).
7. SAWCUT BRIDGE DECK AND DEMOLISH EAST PORTIONS OF THE BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE. ALSO, REPAIR EAST PORTIONS OF CONCRETE ABUTMENTS TO REMAIN (PHASE I).
8. CONSTRUCT EAST WINGWALLS, NEW MODIFIED SUBSTRUCTURE, AND SUPERSTRUCTURE (PHASE I).
9. COMPLETE PHASE I AND SHIFT TRAFFIC TO THE EAST SIDE OF THE BRIDGE.
10. RELOCATE 12"Ø GAS MAIN AND 16"Ø GRAVITY SEWER TO PERMANENT LOCATION (PHASE II).
11. INSTALL TEMPORARY EARTH SUPPORT SYSTEM AT THE ABUTMENTS AND WEST WINGWALLS (PHASE II).
12. EXCAVATE SOIL SURROUNDING SUBSTRUCTURES; TEST AND REMOVE CONTAMINATED SOIL AT THE SOUTH ABUTMENT (PHASE II).
13. DEMOLISH WEST PORTIONS OF THE BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE. ALSO, REPAIR WEST PORTIONS OF CONCRETE ABUTMENTS TO REMAIN (PHASE II).
14. CONSTRUCT WEST WINGWALLS, NEW MODIFIED SUBSTRUCTURE, AND SUPERSTRUCTURE (PHASE II).
15. COMPLETE PHASE II AND OPEN FULL WIDTH OF BRIDGE TO TRAFFIC.
16. RELOCATE OVERHEAD UTILITIES TO THEIR RESPECTIVE PERMANENT LOCATIONS.
17. REMOVE ALL REMAINING TEMPORARY EARTH SUPPORTS.

NOTES:

1. ALL SECTIONS ARE SHOWN LOOKING UP-STATION (SOUTH).
2. FOR UTILITY DETAILS SEE "UTILITY SUPPORT DETAILS" SHEET.
3. DURING THE PRELIMINARY PHASE, THE CONTRACTOR SHALL NOT LEAVE AN OPEN, UNPROTECTED TRENCH AT THE END OF ANY WORKING DAY UNTIL THE PHASE I CONCRETE BARRIER IS IN PLACE. WHEN NOT WORKING AT THE SITE DURING THE PRELIMINARY PHASE, THE TRAFFIC CONTROL PLAN SHALL BE LEFT IN PLACE AND ANY OPEN TRENCH SHALL BE TEMPORARILY BACKFILLED OR STEEL PLATES SHALL BE PROVIDED OVER THE TRENCH. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

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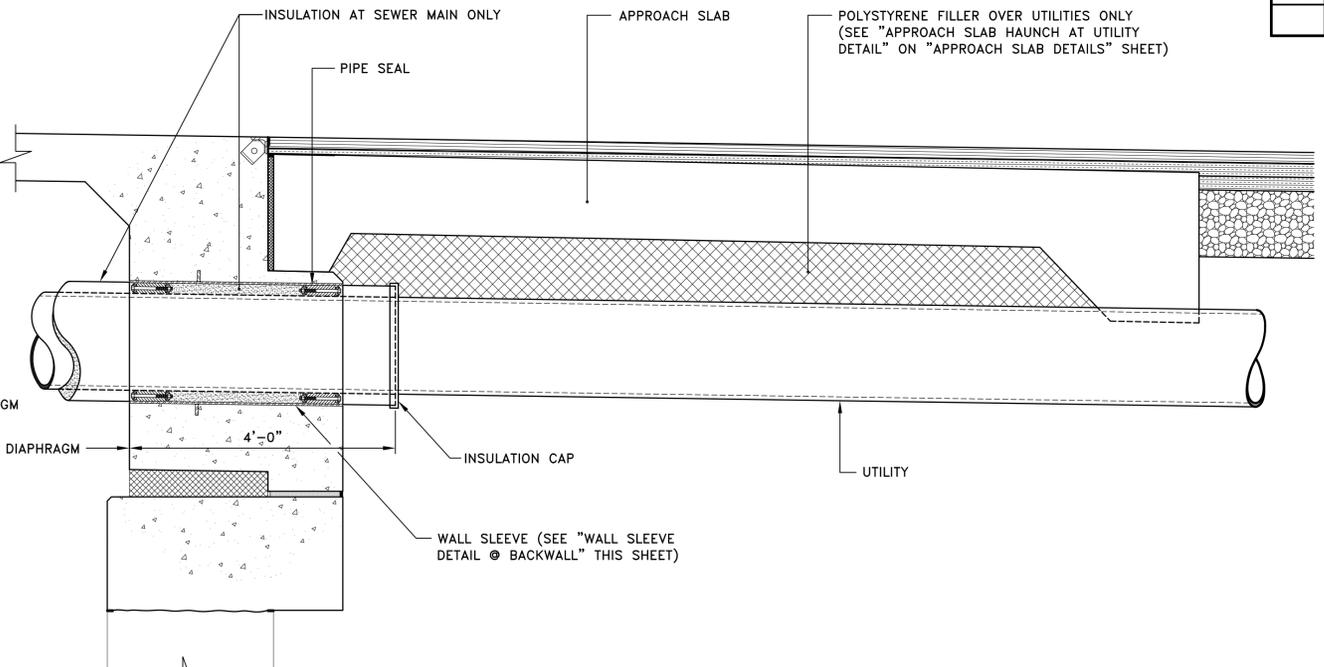
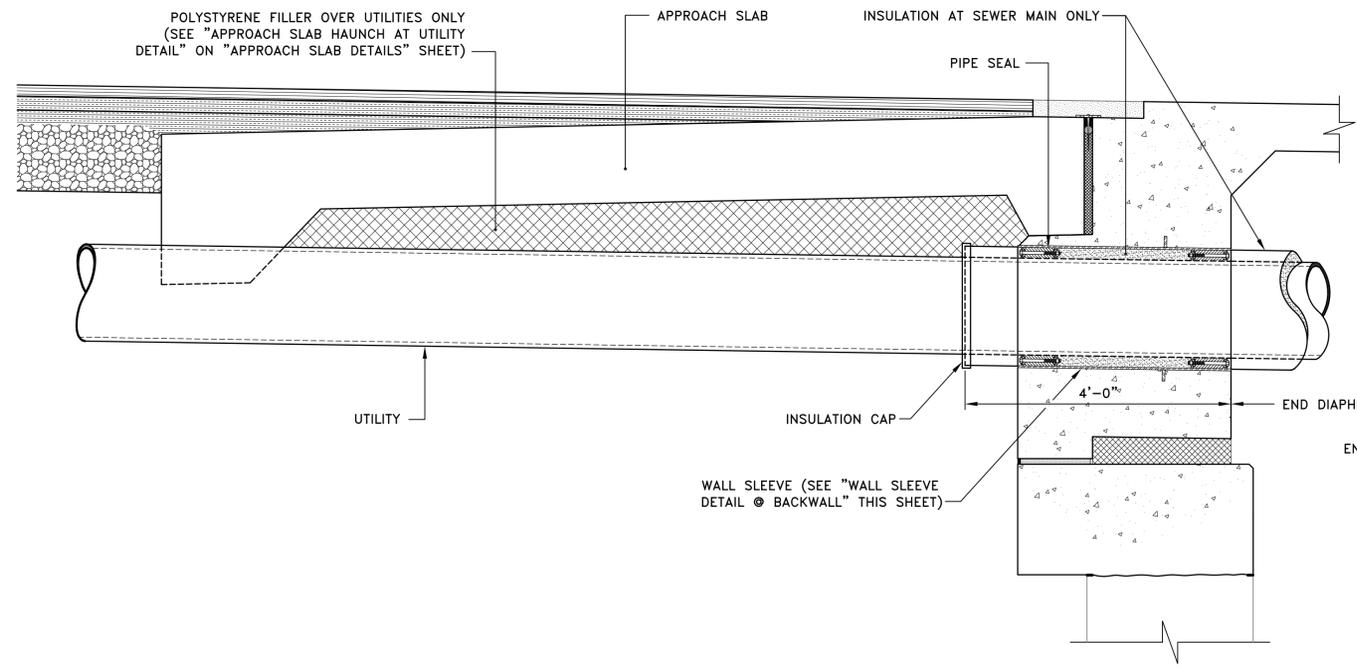
REHABILITATION OF
POCASSET RIVER BRIDGE
No. 23

CRANSTON RHODE ISLAND

**SUGGESTED PHASED
CONSTRUCTION SEQUENCE**

CHECKED BY: _____ DATE: _____ SCALE: 1/4"=1'-0"

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8 BLACKSTONE VALLEY PLACE
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401-334-4100

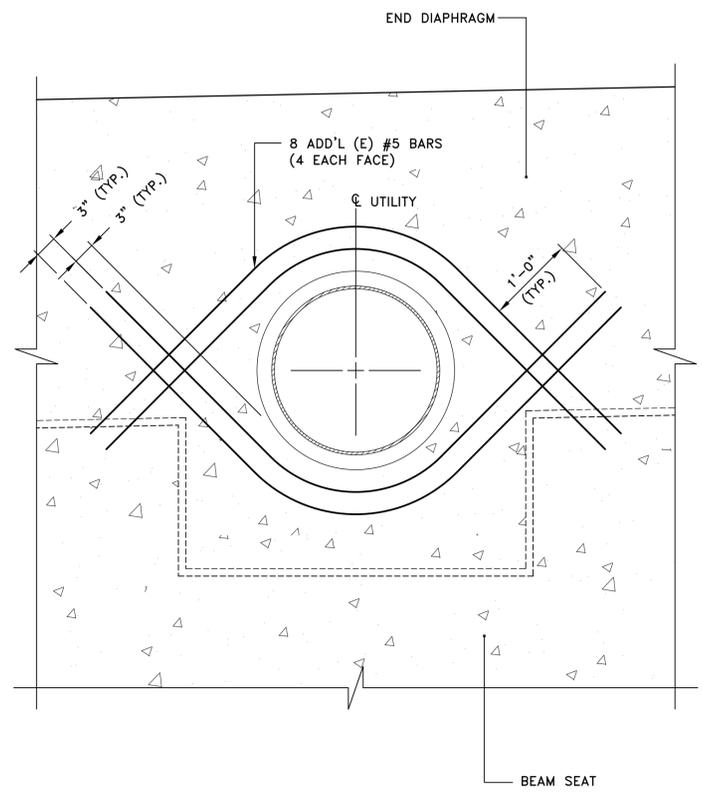
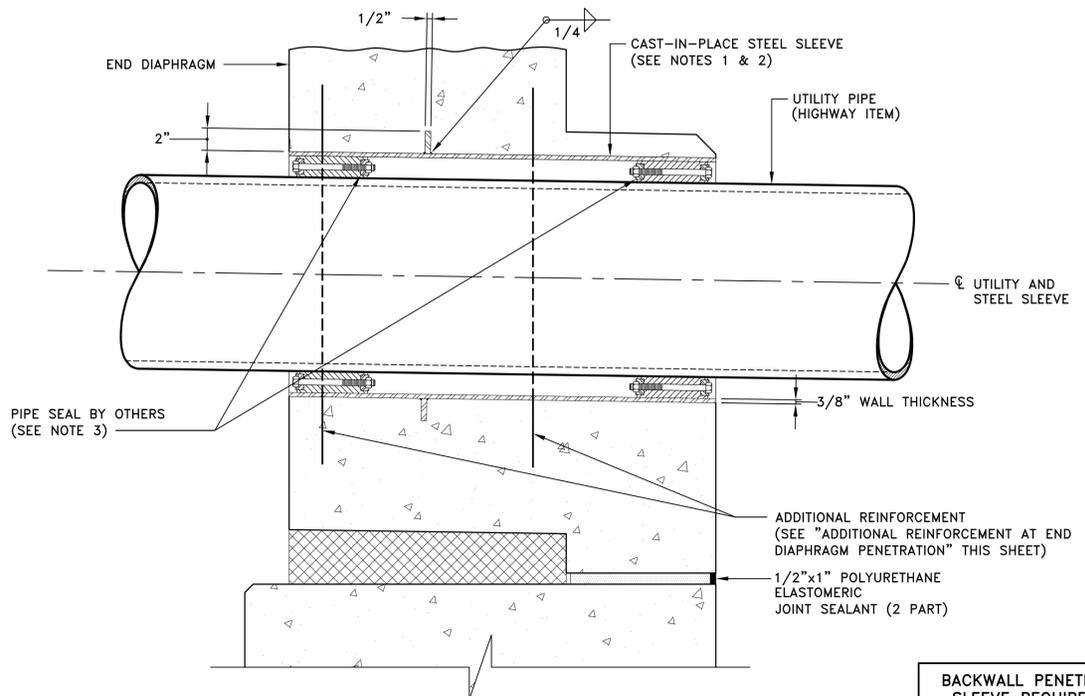


SOUTH APPROACH

NORTH APPROACH

BACKWALL OPENING DETAIL

NOT TO SCALE



ADDITIONAL REINFORCEMENT AT END DIAPHRAGM PENETRATION

SCALE: 1"=1'-0"

NOTES:

- AFTER FABRICATION, THE ENTIRE SLEEVE ASSEMBLY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO DESIGNATION M111.
- STEEL SLEEVE DETAILED AS SHOWN INCLUDING GALVANIZING SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED WITHIN THE PAYMENT FOR THE BRIDGE DECK CONCRETE. THERE WILL BE NO SEPARATE PAYMENT FOR THE PIPE SLEEVE.

BACKWALL PENETRATION SLEEVE REQUIREMENTS	
UTILITY	CAST-IN-PLACE SLEEVE *
16" SEWER	22" DIA.

* ACTUAL SLEEVE DIAMETER TO BE CONFIRMED WITH UTILITY PIPE AND PIPE SEAL SUPPLIER PRIOR TO FABRICATION.

SEWER WALL SLEEVE DETAIL @ BACKWALL

NOT TO SCALE

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1	2/23/12	DJE

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REHABILITATION OF
POCASSET RIVER BRIDGE
No. 23

CRANSTON RHODE ISLAND

SUPERSTRUCTURE SECTIONS AND DETAILS 2

CHECKED BY: _____ DATE: _____ SCALE: AS NOTED

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

**INDEX
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JOB SPECIFIC

CODE 201.9950

REMOVE AND TRANSPORT CONTAMINATED SOIL

CODE 201.9952

DISPOSE CONTAMINATED SOIL

DESCRIPTION: This work includes, but not limited to, the excavation, stockpiling (if necessary), transport, and disposal, including transportation and landfill tipping facility fees of contaminated soil on the southern side of Bridge No. 23 in the area indicated on the Demolition Plan in accordance with the Standard Specifications and this Special Provision.

The work under this item also includes coordinating with and assisting the project's environmental consultant, Pare Corporation (PARE), with the collection of waste characterization samples and compliance samples, as described under Construction Methods.

RELATED WORK: Unless otherwise noted, this work shall conform to the requirements of Section 201 "Site Preparation" of the Standard Specifications.

MATERIALS: (N/A)

CONSTRUCTION METHODS:

A. Waste Characterization Samples

1. At this time, it is presumed that contaminated soil will be disposed of at the Rhode Island Resource Recovery Corporation's (RIRRC) Central Landfill in Johnston, RI as Commercial Sector Waste. As such, the soil must be sampled and analyzed before the RIRRC will accept it at the Central Landfill. However, should the RIRRC reject the soil, the Contractor shall be required to identify an alternate disposal site, coordinate with PARE to complete a disposal application, and transport the material to the alternate disposal location.
2. No less than two weeks prior to the start of construction, the Contractor and PARE will visit the site and collect one composite sample from two discrete locations within the area of contaminated soil. The Contractor shall provide the necessary equipment to core or otherwise open the asphalt above the contaminated soil and patch the asphalt after sample collection is complete. Personnel from PARE will collect the sample once the asphalt is open. The Contractor shall be responsible for providing traffic control during the sample collection and pavement restoration, which may mean providing adequate signage and a police detail.
3. PARE will have the sample analyzed and will submit the necessary application to the RIRRC for approval.
4. The purpose of conducting the sampling and analysis prior to construction is to obtain the necessary approval from the RIRRC before the Contractor excavates the contaminated soil. Once the necessary approval is in place, the Contractor can excavate the contaminated soil, transfer directly to a waiting dump truck or trailer, and transport directly to the Central Landfill, thereby eliminating the need to stockpile contaminated soil prior to disposal.

B. Excavation and Disposal

1. The Contractor shall excavate the contaminated soil within the area limits shown on the Demolition Plan to a depth or approximately 4 feet. The actual limits will be determined by PARE through the execution of compliance sampling. The compliance sampling may result in a slightly larger contaminated soil footprint or depth.
2. The Contractor shall load the soil into covered dump trucks or trailers for off-site disposal.
3. In the event that the Contractor cannot immediately transport contaminated soil off-site, the Contractor shall be required to stockpile soil on-site. Soil will be stockpiled on top of 6-mil polyethylene sheeting and covered with the same. The Contractor shall make provisions to prevent erosion of the stockpile soil.
4. **No contaminated soil shall leave the site unless it is transported directly to an approved disposal outlet.** No off-site temporary holding facilities shall be allowed.
5. The Contractor shall maintain proper Bill of Lading documentation for each load of soil transported to the Central Landfill (or alternate disposal facility).

C. Compliance Sampling

1. After the Contractor has excavated the contaminated soil to limits shown on the Demolition Plan, PARE will collect compliance sample of the excavation bottom and sidewalls. The purpose of the compliance samples is to confirm that the contaminated soil has been substantially removed from the site.
2. The initial compliance sampling results may indicate that some contaminated soil remains at the site. In such an event, the Contractor will be required to remove additional soil, as directed by PARE. PARE will then collect additional compliance samples. There may be several iterations of soil removal and compliance sampling.
3. Under no circumstances shall the Contractor backfill the area of contaminated soil until PARE has received the results of the compliance samples.

D. Utilities and Drainage Structures

1. The Contractor shall be responsible for maintaining in-place all utilities and drainage structures impacted by the removal of contaminated soil. This work shall be considered incidental to item 201.9950.

E. Restoration

1. After the compliance sampling is complete, the Contractor shall backfill the former area of contaminated soil with clean fill. However, prior to backfilling the material, the Contractor must identify his source and allow PARE the opportunity to sample and analyze the proposed backfill.
2. It is presumed that the material that the Contractor will use to backfill the former area of contaminated soil would be the same material used elsewhere at the site. Therefore, payment for the acquisition, transport, and placement of backfill at this location is covered under item 202.0800 "Gravel Borrow." No specific, separate payment item will be made for the acquisition, transport, and placement of backfill in the former area of contaminated soil.

3. After backfilling, the Contractor shall place temporary bituminous pavement, temporary bituminous sidewalk, and reset granite curb to the limits shown on the plans. Payment for the temporary pavement, temporary sidewalk, and reset curb items is covered under the respective items in the contract for each.

METHOD OF MEASUREMENT: “Remove and Transport Contaminated Soil” will be measured by the number of cubic yards of contaminated soil actually removed and transported in accordance with the plans and/or as directed by the Engineer.

“Dispose Contaminated Soil” will be measured by the number of tons of contaminated soil actually disposed in accordance with the plans and/or as directed by the Engineer.

BASIS OF PAYMENT: “Remove and Transport Contaminated Soil” will be paid for at the contract unit price per cubic yard as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, tools, materials, equipment, transportation, and other incidentals required to finish the work, complete in place and accepted by the Engineer.

“Dispose Contaminated Soil” will be paid for at the contract unit price per ton as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, tools, materials, equipment, and other incidentals required to finish the work, complete in place and accepted by the Engineer.

JOB SPECIFIC

CODE 701.9901

**FURNISH AND INSTALL 16" DIAMETER DUCTILE IRON
SEWER MAIN ON BRIDGE No. 23**

DESCRIPTION: Work covered under this special provision consists of performing all operations in connection with the furnishing and installation of a 16-inch diameter insulated sewer main on Bridge No. 23 as indicated on the plans and specified herein. All work performed by the Contractor shall be subject to the inspection and final approval of Veolia Water and the Rhode Island Department of Transportation. The Contractor shall contact and coordinate all work with Veolia Water:

Mr. William H. Wilbur
Collections System Supervisor
Veolia Water
140 Pettaconsset Avenue
Cranston, RI 02920
(401) 467-7210

The Contractor shall perform all work in accordance with the requirements of a) the City of Cranston's Sewer Use Ordinance and applicable Law, b) the Standard Specifications, and c) the Contract Plans and Special Provisions. In cases of conflict, the more stringent requirements shall apply. The Contractor shall be responsible for obtaining any necessary permits from the City of Cranston for performing the sewer main work. No additional payment will be made for obtaining permits.

The limits of work under this item shall be as defined on the Contract Drawings. All material, including roller supports shall be provided by the Contractor. The Contractor shall furnish and install all supporting hardware as detailed on the plans and as specified herein.

MATERIALS: Shop drawings shall be submitted for all pipe components, roller supports, and hardware, and shall be approved by the Engineer and Veolia Water before any pipe supports or pipe are delivered to the job site. Shop drawings shall show the pipe layout and the spacing and details of supports.

A. Storage and Handling

1. The Contractor shall be responsible for the safe storage of material on the site and prevent damage before, during and after the installation and to protect the installed work and materials of all other trades.
2. The interior of all pipe, fittings, and other accessories shall be kept free from dirt and foreign matter at all times.
3. Pipe, fittings, and valves shall be handled by methods that avoid shock or damage, and damage to the lining or coating. Under no circumstances shall such materials be dropped. Repairs, if allowed by the Engineer, shall be made at the Contractor's expense in a manner approved by the Engineer and Veolia Water.

JOB SPECIFIC

CODE 701.9902

12" SDR35 SANITARY SEWER GRAVITY

DESCRIPTION: Work covered under this special provision shall consist of furnishing and installing 12" SDR35 gravity sanitary sewer pipe at the locations shown on the plans. This work includes the work for the new permanent sewer pipe and the work for the temporary sewer pipe. This work also includes any temporary trench patch over the permanent or temporary pipe as needed to maintain a drivable road surface during the construction of the bridge repairs. All work shall be performed in accordance with the relevant provisions of the 2004 Rhode Island Standard Specifications for Road and Bridge Construction, including the latest interims, the Plans, this Special Provision, and as required by the Engineer. All work performed by the Contractor shall be subject to the inspection and final approval of Veolia Water and the Rhode Island Department of Transportation. The Contractor shall contact and coordinate all work with Veolia Water:

Mr. William H. Wilbur
Collections System Supervisor
Veolia Water
140 Pettaconsset Avenue
Cranston, RI 02920
(401) 467-7210

The Contractor shall perform all work in accordance with the requirements of a) the City of Cranston's Sewer Use Ordinance and applicable Law, b) the Standard Specifications, and c) the Contract Plans and Special Provisions. In cases of conflict, the more stringent requirements shall apply. The Contractor shall be responsible for obtaining any necessary permits from the City of Cranston for performing the sewer main work. No additional payment will be made for obtaining permits.

MATERIALS: All materials shall be as shown on the plans, and shall conform to the relevant provisions of the 2004 Rhode Island Standard Specifications for Road and Bridge Construction, including the latest interims where applicable. Shop drawings shall be submitted for all pipe components and the proposed sequence of construction and temporary bypass, and shall be approved by the Engineer and Veolia Water before any pipe supports or pipe are delivered to the job site.

- A. Polyvinyl chloride (PVC) pipe for gravity sewers and service lateral connections shall conform to ASTM D 1784 and D 3034-SDR 35, and shall meet the following specific requirements:
1. The pipe and fittings shall be homogeneous throughout and free from visible cracks, holes, foreign inclusion or other injurious defects. The pipe shall be as uniform as commercially practical in color, capacity, density and other physical properties.
 2. Joints shall be bell and spigot. The bell shall consist of an integral wall section with a solid cross section rubber ring factory-assembled, securely locked in place to prevent displacement. Joints shall conform to ASTM Standard D 3212 and F 477.
 3. Pipe shall pass impact resistance test in accordance with ASTM D 2444 and minimum pipe stiffness test at 5% deflection in accordance with ASTM D 2412.
 4. The normal length of pipe shall be 12.5 feet.

- d. The groundwater leakage into the pipes will be measured by the Owner after a minimum of one hour and the infiltration rate shall not exceed 50 gallons per day per mile per inch-diameter.

3. Pipe Deflection

- a. Pipe provided shall be so installed that there be a maximum deflection of 5 percent. Such deflection shall be computed by multiplying the amount of deflection (nominal diameter of the pipe less minimum diameter when measured) by 100 and dividing by the nominal pipe diameter.
- b. The Contractor shall measure the amount of deflection by pulling a specially designed gauge assembly through the completed section after 120 days of installation. The gauge assembly shall be in accordance with the recommendations of the pipe manufacturer and be acceptable to the Owner.

Should the installed pipe fail to meet this requirement, the Contractor shall do all work to correct the problem as the Owner may require without additional compensation.

METHOD OF MEASUREMENT: “12” SDR35 Sanitary Sewer Gravity” will be measured for payment per linear foot of pipe actually installed, tested, complete in place and accepted by the Engineer. Measurement for each length of sewer pipe installed shall be made from the outside of edge of the downstream manhole.

BASIS OF PAYMENT: The accepted quantity of “12” SDR35 Sanitary Sewer Gravity” will be paid for at the contract unit price per linear foot as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, equipment, permits, and incidentals required to finish the work, complete and accepted by the Engineer.

JOB SPECIFIC

CODE 702.9902

CITY OF CRANSTON SANITARY SEWER MANHOLE PRECAST

CODE 702.9903

CITY OF CRANSTON SANITARY SEWER FRAME AND COVER

DESCRIPTION: Work covered under this special provision shall consist of furnishing and installing sanitary sewer frames, covers, and manholes at the locations shown on the Plans. All work shall be performed in accordance with the relevant provisions of the 2004 Rhode Island Standard Specifications for Road and Bridge Construction, including the latest interims, the Plans, this Special Provision, and as required by the Engineer. All work performed by the Contractor shall be subject to the inspection and final approval of Veolia Water and the Rhode Island Department of Transportation. The Contractor shall contact and coordinate all work with Veolia Water:

Mr. William H. Wilbur
Collections System Supervisor
Veolia Water
140 Pettaconsset Avenue
Cranston, RI 02920
(401) 467-7210

The Contractor shall perform all work in accordance with the requirements of a) the City of Cranston's Sewer Use Ordinance and applicable Law, b) the Standard Specifications, and c) the Contract Plans and Special Provisions. In cases of conflict, the more stringent requirements shall apply. The Contractor shall be responsible for obtaining any necessary permits from the City of Cranston for performing the sewer main work. No additional payment will be made for obtaining permits.

MATERIALS: All materials shall be as shown on the Plans, and shall conform to the relevant provisions of the 2004 Rhode Island Standard Specifications for Road and Bridge Construction, including the latest interims where applicable. Shop drawings shall be submitted for materials and shall be approved by the Engineer and Veolia Water before any pipe supports or pipe are delivered to the job site.

CONSTRUCTION: All construction shall be performed in accordance with the applicable requirements as listed above.

METHOD OF MEASUREMENT: "City of Cranston Sanitary Sewer Frame and Cover" will be measured per each frame and cover actually installed in accordance with the Plans and/or as directed by the Engineer.

"City of Cranston Sanitary Sewer Manhole Precast" will be measured per each manhole actually installed in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENT: The accepted quantity of “City of Cranston Sanitary Sewer Frame and Cover” will be paid for at the contract unit price per each as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, equipment, and incidentals required to finish the work, complete and accepted by the Engineer and Veolia Water.

The accepted quantity of “City of Cranston Sanitary Sewer Manhole Precast” will be paid for at the contract unit price per each as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, equipment, and incidentals required to finish the work, complete and accepted by the Engineer and Veolia Water.

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Item 201.0610 Total:				2.00		
012	201.9901	REMOVE AND DISPOSE CONCRETE CHATTER STRIP (24" WIDE) ROADWAY 76+16 - 78+68 79+39 - 82+54 83+00 - 84+09	LF	252.00 315.00 109.00	0014 0014 0014	01 01 01
Item 201.9901 Total:				676.00		
013	201.9903	REMOVE, STOCKPILE, AND RESET FLAG POLE ROADWAY 79+34 RT	EACH	1.00	0014	01
Item 201.9903 Total:				1.00		
014	201.9950	REMOVE AND TRANSPORT CONTAMINATED SOIL SOUTH APPROACH 78+57 - 79.08	CY	500.00	0014	01
Item 201.9950 Total:				500.00		
015	202.0100	EARTH EXCAVATION BACK OF SIDEWALK (8" DEPTH) 77+00 RT - 77+94 RT 77+05 LT - 77+92 LT ROADWAY (8" DEPTH)	CY	7.00 5.00	0014 0014	01 01

Distribution of Quantities

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 Estimate Name - Addendum No. 2 - Pocasset River Bridge No. 23
 R.I. Contract No. - 2012-CB-017
 FAP Nos: BRO-0023(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
028	208.9902 Cont.	PHASE II		1.00	0014	01
				Item 208.9902 Total:		2.00
029	209.9901	INLET SEDIMENT CONTROL DEVICE	EACH			
		ROADWAY				
		78+81 RT		1.00	0014	01
		78+97 LT		2.00	0014	01
		79+76 RT		1.00	0014	01
				Item 209.9901 Total:		4.00
030	212.2000	CLEANING AND MAINTENANCE OF	LS			
		EROSION CONTROLS				
		PROJECT WIDE				
		PROJECT WIDE		1.00	0014	01
				Item 212.2000 Total:		1.00
031	302.0100	GRAVEL BORROW SUBBASE COURSE	CY			
		ROADWAY				
		FROM ITEM 202.0100		491.00	0014	01
				Item 302.0100 Total:		491.00
032	401.0100	BITUMINOUS BASE COURSE	TON			
		ROADWAY				
		77+00 - 78+20		249.00	0014	01
		78+57 - 79+90		279.00	0014	01
		TEMP (CONTAMINATED AREA)				
		78+57 RT - 78+90 RT		63.00	0014	01
				Item 401.0100 Total:		591.00
033	401.0200	BITUMINOUS SURFACE COURSE TYPE I-1	TON			
		BACK OF SIDEWALK				
		77+00 RT - 77+94 RT		4.00	0014	01
		77+05 LT - 77+72 LT		3.00	0014	01

Distribution of Quantities

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 R.I. Contract No. - 2012-CB-017
 FAP Nos: BRO-0023(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
033	401.0200 Cont.	DRIVEWAY				
		78+92 RT - 79+25 RT		6.00	0014	01
		79+20 LT - 79+90 LT		15.00	0014	01
		LOT 3453				
		77+00 RT - 78+00 RT		25.00	0014	01
		ROADWAY				
		77+00 - 78+20		111.00	0014	01
		78+57 - 79+90		124.00	0014	01
		TEMP 78+56 - 79+11		44.00	0014	01
		TEMP (CONTAMINATED AREA)				
		77+17 RT - 77+46 RT		9.00	0014	01
Item 401.0200 Total:				288.00		
034	403.0300	ASPHALT EMULSION TACK COAT	SY			
		ROADWAY				
		FROM ITEM 201.0408 (ROADWAY)		1,800.00	0014	01
Item 403.0300 Total:				1,800.00		
035	603.1000	CONTROLLED LOW STRENGTH MATERIAL	CY			
		BRIDGE				
		APPROACH SIDEWALKS		32.00	0014	01
		BRIDGE		6.00	0014	01
Item 603.1000 Total:				38.00		
036	701.0512	REINFORCED CONCRETE PIPE M 170	LF			
		CLASS IV 12 INCH				
		ROADWAY				
		78+78 RT (FE-1) - 78+87 RT		9.00	0014	01
		(DMH1)				
		78+87 RT (CB-2) - 78+87 RT		18.00	0014	01
		(DMH1)				
		78+87 RT (CB-2) - 79+76 RT		87.00	0014	01
		(CB-1)				

Distribution of Quantities

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 R.I. Contract No. - 2012-CB-017
 FAP Nos: BRO-0023(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
041	701.7742 Cont.	ROADWAY				
		78+81 LT (FE-2)		1.00	0014	01
				Item 701.7742 Total:	1.00	
042	701.9901	FURNISH AND INSTALL 16" DIAMETER DUCTILE IRON SEWER MAIN ON BRIDGE NO. 23 BRIDGE BRIDGE	LF			
				37.00	0014	01
				Item 701.9901 Total:	37.00	
043	701.9902	12" SDR35 SANITARY SEWER GRAVITY ROADWAY	LF			
		77+14 LT (SMH5) - 77+49 LT (SMH3)		44.00	0014	01
		77+49 LT (SMH3) - 78+01 LT (SMH6)		52.00	0014	01
		77+49 LT (SMH3) - 78+11 RT (SMH4)		70.00	0014	01
		78+75 LT (SMH2) - 79+68 RT (SMH1)		104.00	0014	01
				Item 701.9902 Total:	270.00	
044	701.9903	16" SDR35 SANITARY SEWER GRAVITY ROADWAY	LF			
		78+01 LT (SMH6) - 78+21 LT (BRIDGE)		20.00	0014	01
		78+57 LT (BRIDGE) - 78+75 LT (SMH2)		18.00	0014	01
				Item 701.9903 Total:	**DELETED**	
045	701.9904	1.5 INCH COPPER WATER SERVICE PIPE HIGHWAY	LF			

Distribution of Quantities

Project Name - Pocasset River Bridge No. 23
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 FAP Nos: BRO-0023(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
050	702.0521 Cont.	78+87 RT (DMH1)		1.00	0014	01
Item 702.0521 Total:				5.00		
051	702.0522	FRAME AND COVER STANDARD 6.2.1 ROADWAY	EACH			
		77+14 LT (SMH5)		1.00	0014	01
		77+49 LT (SMH3)		1.00	0014	01
		78+01 LT (SMH6)		1.00	0014	01
		78+75 LT (SMH2)		1.00	0014	01
Item 702.0522 Total:				**DELETED**		
052	702.0542	GRANITE APRON STONE 5FT. STANDARD 7.3.7 ROADWAY	EACH			
		79+76 RT		2.00	0014	01
Item 702.0542 Total:				2.00		
053	702.0605	PRECAST CATCH BASIN 4' DIAMETER STANDARD 4.4.0 ROADWAY	EACH			
		78+81 RT		1.00	0014	01
Item 702.0605 Total:				1.00		
054	702.0615	PRECAST CATCH BASIN 6' DIAMETER STANDARD 4.4.0 ROADWAY	EACH			
		78+97 LT		1.00	0014	01
Item 702.0615 Total:				1.00		
055	702.0630	PRECAST MANHOLE 4' DIAMETER STANDARD 4.2.0 ROADWAY	EACH			
		77+14 LT		1.00	0014	01

Distribution of Quantities

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 FAP Nos: BRO-0023(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
055	702.0630	Cont.				
		77+35 RT		1.00	0014	01
		77+49 LT		1.00	0014	01
		78+01 LT		1.00	0014	01
		78+75 LT		1.00	0014	01
		78+84 RT		1.00	0014	01
Item 702.0630 Total:				2.00		
056	702.0640	PRECAST MANHOLE 6' DIAMETER	EACH			
		STANDARD 4.2.2				
		ROADWAY				
		77+81 LT		1.00	0014	01
		78+03 LT		1.00	0014	01
Item 702.0640 Total:				2.00		
057	702.0645	PRECAST MANHOLE 4' SQUARE STANDARD	EACH			
		4.3.0				
		ROADWAY				
		77+84 RT		1.00	0014	01
Item 702.0645 Total:				1.00		
058	702.0716	DOUBLE GRATE CATCH BASIN STANDARD	EACH			
		3.3.4				
		ROADWAY				
		79+76 RT		1.00	0014	01
Item 702.0716 Total:				1.00		
059	702.9901	GRANITE APRON STONE 38" (RI STD	EACH			
		7.3.8M MODIFIED)				
		ROADWAY				
		78+81 RT		1.00	0014	01
		78+97 LT		1.00	0014	01
Item 702.9901 Total:				2.00		

Distribution of Quantities

Project Name - Pocasset River Bridge No. 23
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 R.I. Contract No. - 2012-CB-017
 FAP Nos: BRO-0023(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S156	T09.9902 Cont.	SERVICE TO BUILDING NO. 1119				
		HIGHWAY				
		POLE 84 - BUILDING 1119		1.00	0014	01
				Item T09.9902 Total:	1.00	
157	201.9952	DISPOSE CONTAMINATED SOIL	TON			
		SOUTH APPROACH				
		78+57 - 79+08		810.00	0014	01
				Item 201.9952 Total:	810.00	
158	401.0300	BITUMINOUS SURFACE COURSE TYPE I-2	TON			
		BACK OF SIDEWALK				
		77+00 RT - 77+94 RT		4.00	0014	01
		77+05 LT - 77+72 LT		3.00	0014	01
		DRIVEWAY				
		78+92 RT - 79+25 RT		6.00	0014	01
		79+20 LT - 79+90 LT		15.00	0014	01
		LOT 3453				
		77+00 RT - 78+00 RT		25.00	0014	01
				Item 401.0300 Total:	53.00	
159	701.6012	12 INCH DUCTILE IRON SEWER SAFE	LF			
		PIPE CLASS 52				
		ROADWAY				
		78+01 LT (SMH6) - 78+21 LT		20.00	0014	01
		(BRIDGE)				
		78+57 LT (BRIDGE) - 78+75 LT		18.00	0014	01
		(SMH2)				
				Item 701.6012 Total:	38.00	
160	702.9902	CITY OF CRANSTON SANITARY SEWER	EACH			
		MANHOLE PRECAST				
		ROADWAY				

Distribution of Quantities

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 R.I. Contract No. - 2012-CB-017
 FAP Nos: BRO-0023(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
160	702.9902 Cont.	77+14 LT		1.00	0014	01
		77+49 LT		1.00	0014	01
		78+01 LT		1.00	0014	01
		78+75 LT		1.00	0014	01
Item 702.9902 Total:				4.00		
161	702.9903	CITY OF CRANSTON SANITARY SEWER	EACH			
		FRAME AND COVER				
		ROADWAY				
		77+14 LT (SMH5)		1.00	0014	01
		77+49 LT (SMH3)		1.00	0014	01
		78+01 LT (SMH6)		1.00	0014	01
		78+75 LT (SMH2)		1.00	0014	01
Item 702.9903 Total:				4.00		

11. SPECIAL REQUIREMENTS FOR TRAFFIC PROTECTION

In addition to the requirements of the *Standard Specifications for Road and Bridge Construction*, the *Manual on Uniform Traffic Control Devices, 2009* and the special requirements of other sections of this contract document, the Contractor is advised that the signs and other traffic control devices shown on the Traffic Control Plans are minimum requirements. It is the Contractor's responsibility to supplement the plans and specifications as necessary to ensure the public's safety. All Maintenance and Protection of Traffic Devices shall be in place and approved by the Engineer prior to starting construction at a particular location. This work shall be included under Item Code 937.0 200 "Maintenance and Movement of Traffic Protection". There will be no separate payment.

All pavement markings are to be in accordance with the requirements of the "Manual on Uniform Traffic Control Devices," 2009 including all revisions.

12. TEST PITS

A quantity for test pits has been included in this contract. Test pits may be required to locate underground utilities and identify utility conflicts with the proposed design. Should the Contractor find that a conflict exists, he shall notify the Engineer.

13. REMEDIAL ACTION WORK PLAN

A Remedial Action Work Plan (RAWP) has been approved by the Rhode Island Department of Environmental Management (RIDEM). A copy of the Remedial Approval Letter (RIDEM Case No. 2005-045) and the complete RAWP is included in Appendix A.

It shall be the Engineer's responsibility to maintain copies of the Remedial Approval Letter and RAWP for this project on site at all time during construction. The letter shall be posted in a noticeable location within the project area.

It shall be the Contractor's responsibility to comply with all restrictions and stipulations stated or implied by the Remedial Approval Letter and RAWP. There will be no special payment for work done to comply with the Remedial Approval Letter and RAWP.

14. ENVIRONMENTAL PERMITS

An Insignificant Alteration Permit has been granted by RIDEM. A copy of this Permit (RIDEM Application No. 09-0239) is included in Appendix B. A copy of the stamped, RIDEM approved site plans shall be obtained from the Rhode Island Department of Transportation. The Permit expires on September 23, 2014 unless otherwise extended in accordance with the Permit.

The project qualified as a Category II activity under the U.S. Army Corps of Engineers (ACOE) 2007 Programmatic General Permit (PGP) for the State of Rhode Island, and as such required issuance of a project specific approval from the ACOE. A copy of the

project specific Category II PGP Authorization for the project, issued by the ACOE on November 17, 2010, is included in Appendix C (Permit No. NAE-2010-2042).

The 2007 PGP expired on February 13, 2012, and was replaced with a new PGP, which became effective on February 22, 2012 (Permit No. NAE-2011-2402). In accordance with the 2007 PGP and the project specific PGP II Authorization, ACOE approval for the project expired on February 13, 2012, and must be renewed under the 2012 PGP. The contractor is advised that RIDOT has requested reauthorization of the project from the ACOE under the 2012 PGP, and approval is pending. The Resident Engineer will provide a copy of the reauthorization to the contractor when it is issued.

A copy of the currently valid 2012 PGP is included in Appendix C. The contractor is responsible for compliance with all of the general conditions included in Section III of the 2012 PGP, and will be responsible for compliance with the reauthorized project specific approval upon issuance by the ACOE.

It shall be the Engineer's responsibility to maintain copies of all approved Environmental Permits and approved site plans for this project on site at all time during construction. Permits/assents shall be posted in a noticeable location within the project area.

It shall be the Contractor's responsibility to comply with all restrictions and stipulations stated or implied by the permits and orders. There will be no special payment for work done to comply with permits and orders unless an item is provided in the proposal for a specific requirement.

15. SMALL SITE STORMWATER POLLUTION PREVENTION PLAN

A Small Site Stormwater Pollution Prevention Plan (SWPPP) has been prepared for this project. It shall be the Contractor's responsibility to comply with the requirements of the SWPPP as indicated in Attachment A "Summary of Responsibilities" of the SWPPP. A copy of the SWPPP is included in Appendix D.

16. BRIDGE/STRUCTURAL SHOP DRAWINGS AND SUBMITTALS

The following list of bridge/structural items of work for which shop drawings and/or other submittals are required is provided for the convenience of the Contractor. This list includes only the major items of bridge/structural work; it does not itemize all submittals required by the Contract Documents. All submittals shall be in accordance with Section 105.02 of Standard Specifications. The Contractor is responsible for the timely submission of all shop drawings and other documents required by the Contract. No extra payment will be made, nor will any extension be made to the Contract completion date for making required submittals.

General Permit No.: NAE-2011-2402
Applicant: General Public in Rhode Island

Effective Date: February 22, 2012
Expiration Date: February 22, 2017

Department of the Army General Permit State of Rhode Island

The New England District of the U.S. Army Corps of Engineers (Corps) hereby issues a General Permit (GP) for activities in waters of the United States (U.S.) that have no more than minimal individual, secondary, and cumulative impacts on the aquatic environment in waters of the U.S. within the boundaries of and off the coast of the State of Rhode Island.

I. GENERAL CRITERIA

Under this GP, projects may qualify for the following:

- **Category 1: Non-reporting**
Projects meeting Category 1 are eligible for authorization under this GP without notifying the Corps. (An application to the State is required, unless exempt from State regulation),
- **Category 2: Reporting/Application Required**
Submittal of an application to the State and subsequent written authorization from the Corps, either directly or within a State issued permit, is required for these projects.

II. ACTIVITIES COVERED

- Work and structures that are located in, or that effect navigable waters of the U.S.¹ The Corps regulates this under Section 10 of the Rivers and Harbors Act of 1899;
- The discharge of dredged or fill material into waters of the U.S.² The Corps regulates this under Section 404 of the Clean Water Act (CWA); and
- The transportation of dredged material for the purpose of disposal in the ocean. The Corps regulates this under Section 103 of the Marine Protection, Research and Sanctuaries Act.

1. State Approvals

Applicants are responsible for applying for and obtaining any of the required state or local approvals. Federal and state jurisdictions may differ in some instances. State permits may be required for specific projects regardless of the general permit category.

In order for authorizations under this GP to be valid and before commencing any work within Corps jurisdiction, applicants are responsible for applying for and obtaining any of the following required State approvals, as well as any required local approvals:

¹ Defined at 33 CFR 329

² Defined at 33 CFR 328

- RI Department of Environmental Management (DEM) approval under the Freshwater Wetland Act, Rhode Island General Laws (RIGL).
- RI DEM approval under RIGL Section 46-19 et seq. entitled "Inspection of Dams and Reservoirs" and regulations promulgated thereto.
- RI DEM approval under the "Water Quality Regulations for Water Pollution Control" pursuant to RIGL Chapter 42-17.1 and Section 46-12-1 et seq.
- RI DEM approval under the "Rules and Regulation for Dredging and the Management of Dredged Material" pursuant to RIGL Chapter 46-6.1.
- Water Quality Certification (WQC) under Section 401 of the CWA (33 USC 1341). The CWA requires applicants to obtain a WQC or waiver from the state water pollution control agency (DEM). The DEM has granted WQC for GP Category 1 activities provided that the applicant obtains the required approvals listed above. The DEM conditionally granted WQC for GP Category 2 activities provided that (a) the applicant obtains the required approvals listed above and (b) the DEM finds that the activity is likely to have minimal or no impact on water quality.
- RI Coastal Resources Management Council (CRMC) approval ("Assent") pursuant to RIGL Chapter 23, Section 46-23-1 et seq, "Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast." Category 1 projects require an application to CRMC for their review. Category 2 projects require an application to CRMC for review by CRMC and the Corps.
- Coastal Zone Management (CZM) Consistency under Sec. 307 of the Federal CZM Act of 1972, as amended. The CRMC administers the RI CZM program. The CRMC has determined that any project in the Coastal Area that is authorized under Category 1 or 2 of this GP is consistent with the RI CZM program and does not require any additional CZM review. The state's Coastal Area is statutorily defined in RIGL Chapter 23, Section 46-23.

2. Corps Authorizations

A. Category 1 (Non-Reporting) - For projects meeting the Category 1 eligibility below, proponents may proceed without application to the Corps. See above for required State approvals.

Eligibility Criteria

Activities in Rhode Island that meet the following may proceed without application to the Corps:

1. Meet the definition of Category 1 in Appendix A,
2. Meet the terms of this General Permit (GP),
3. Meet the General Conditions (GCs) of this GP,
4. Regulated by the State and received one of the State approvals listed above,
5. Not located on the Narragansett Land Claim Settlement Area or sites that may influence this area (Areas of Influence). The Narragansett Land Claim Settlement Area is shown at Appendix B. Areas of Influence to this area are located outside of this Land Claim Settlement Area, but are in or adjacent to either the Wood or Pawcatuck River. These are areas of special concern and are not eligible for Category 1. They are as follows:
 - The Pawcatuck River from the Highway 112 crossing downstream to the confluence with the Wood River;
 - The Wood River, upstream of the confluence with the Pawcatuck River to the Highway 91 crossing;
 - Tributaries to the Wood and Pawcatuck Rivers within the segments described at the two bullets above and within .25 miles of the main stems of the Wood and Pawcatuck Rivers; and

- The adjacent wetlands (bordering, contiguous and neighboring) to the Wood and Pawcatuck Rivers and their above specified tributaries.

Consultation with the Corps and/or other agency experts may be necessary to ensure compliance with this GP's General Conditions (pages 4-16) and related federal laws such as the National Historic Preservation Act, the Endangered Species Act (ESA) and the Wild and Scenic Rivers Act. For example, experts on historic resources may include the agencies and Indian tribes or tribal agencies referenced in Appendix B, while experts on endangered species include the U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS).

B. Category 2 (Application Required) Projects not meeting the Category 1 eligibility criteria may be eligible for Category 2. Proponents may not proceed with work within Corps jurisdiction until written authorization is received from the Corps.

Eligibility Criteria

Activities in Rhode Island that meet the following require written approval from the appropriate state permitting agency (Page 2) and the Corps:

1. Meet the definition of Category 2 in Appendix A,
2. Meet the terms and eligibility criteria of this GP,
3. Meet the GCs of this GP,
4. Regulated by one of the state authorities listed in State Approvals

Activities regulated by the state: For inland projects, if the Corps determines that the activity is eligible for the GP, the Corps will send an authorization memorandum to the DEM, and the DEM will notify the applicant in a joint Corps/DEM authorization letter. For coastal projects, the Corps, after consulting with Federal and state resource agencies, will determine if the activity is eligible for the GP and will send the authorization letter directly to the permittee. The CRMC will send their decision (Assent) directly to the permittee. For projects in the coastal zone that require dual state permitting, the CRMC and RIDEM will send their decision (Assent and WQC) directly to the permittee.

Activities not regulated by the state or exempt from state regulation: The Corps, not the state, will issue the written authorization for such projects if they are eligible for the GP and they cannot be legally undertaken until the Corps approves them in writing.

3. Applying for a General Permit

General Permit Application Procedures

- a. Applicants apply directly to the appropriate RI permitting agency (DEM or CRMC) for projects in Rhode Island. The Corps and Federal resource agencies will receive State Notices from CRMC and copies of complete applications from the DEM prior to the monthly interagency screening meetings.
- b. Applicants must apply directly to the Corps for activities exempt from State regulation.
- c. Applicants must apply directly to the Corps for activities located on the Narragansett Land Claim Settlement Area and Areas of Influence. These activities are not eligible for authorization under Category 1.

d. The Corps will forward copies of applications being reviewed under Category 2 of the GP to the RI Historic Preservation and Heritage Commission, and the Narragansett and Wampanoag Tribal Historic Preservation Offices, for projects in their areas of concern (Appendix B) early in the permit review process.

e. The Corps will coordinate review of all Category 2 activities with federal and state agencies, as appropriate. To be eligible and subsequently authorized, an activity must result in no more than minimal impacts to the aquatic environment as determined by the Corps and based on comments from the review team in accordance with the terms, general conditions and Appendix A thresholds of this GP. This may require project modifications involving avoidance, minimization or compensatory mitigation for unavoidable impacts to ensure net effects of a project are minimal.

Emergency Situations Procedures

Emergency situations are limited to sudden, unexpected occurrences that could potentially result in an unacceptable hazard to life, a significant loss of property, or an immediate, unforeseen, and significant economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time needed to process an application under standard procedures. Contact the Corps and the State in the event of an emergency situation.

Individual Permit Procedures

Proponents of work that does not meet the terms and general conditions of this GP must submit ENG FORM 4345 and the appropriate application materials to the Corps at the earliest possible date in order to expedite the Individual Permit review process. General information and application forms can be obtained at our website at www.nae.usace.army.mil or by calling the Corps (see Appendix B).

Individual 401 WQC and CZM consistency concurrence are required when applicable from the State of Rhode Island before Corps permit issuance. The Corps encourages applicants to concurrently apply for a Corps Individual Permit and state permits.

III. GENERAL CONDITIONS

The following General Conditions apply to activities authorized under this GP, unless otherwise specified, including all Category 1 (non-reporting) and Category 2 (requiring application review and written authorization) activities. The Corps may independently, or at the request of other resource agencies, impose special conditions on a project authorized pursuant to this GP that are determined necessary to minimize adverse navigational and/or environmental effects or based on any other factor of the public interest. Failure to comply with all terms and general conditions of the authorization, including special conditions, constitutes a permit violation and may subject the permittee to criminal, civil or administrative penalties and/or an ordered restoration.

1. Other Permits. Authorization under this GP does not obviate the need to obtain other Federal, State, or local authorizations required by law.

2. Federal Jurisdictional Boundaries.

(a) Applicability of this GP shall be evaluated with reference to Federal jurisdictional boundaries. Applicants are responsible for ensuring that the boundaries used satisfy the Federal criteria defined at 33 CFR 328 "Waters of the U.S." and 33 CFR 329 "Navigable Waters of the U.S." Note: "Waters of the U.S." generally and as used in this document include the subcategories "navigable waters of the U.S." and "wetlands."

(b) Proponents are required to delineate the waters of the U.S. that they plan to impact for Category 1

and Category 2 projects. Proponents shall delineate all waters of the U.S. that will be filled (direct impacts) in accordance with the Corps of Engineers Wetlands Delineation Manual and the most recent regional supplements. In addition, applicants shall approximately identify all waters of the U.S. on the property and known waters adjacent to the property in order for the Corps to evaluate secondary impacts. The waters of the U.S. shall be clearly shown on the project plans submitted with the application.

(c) For the purposes of this GP, the Corps will generally rely on the RI DEM's CWA jurisdictional recommendations. However, on a case-by-case basis, the Corps may modify/refine the above delineation and identification requirements for waters of the U.S. or may require additional documentation from the permit applicant to support the basis of federal jurisdiction.

Additional sources of information:

- Corps Wetlands Delineation Manual, regional supplements, and Corps Wetland Delineation Data Sheets: www.nae.usace.army.mil/regulatory and then "Jurisdictional Limits and Wetlands."
- The USFWS publishes the 1988 National List of Plant Species that Occur in Wetlands (www.nwi.fws.gov).
- The Natural Resources Conservation Service (NRCS) publishes the current hydric soil definition, criteria and lists: <http://soils.usda.gov/use/hydric>. For the Field Indicators for Identifying Hydric Soils in N.E., see www.neiwpcc.org/hydricsoils.asp.
- The applicant shall delineate all vernal pools within 200-feet of the proposed activity in accordance with Federal boundaries. The Corps may waive this requirement on a case-by-case basis.

3. Minimal Direct, Secondary and Cumulative Impacts.

(a) Activities authorized by this GP shall have no more than minimal direct, secondary and cumulative adverse environmental impacts. Category 2 applicants shall provide information on secondary and cumulative impacts.

(b) Secondary impacts to waters of the U.S. (e.g., areas drained, flooded, cleared, excavated or fragmented) shall be added to the total fill area when determining whether the project qualifies for Category 1 or 2.

(c) Cumulative impacts are the changes in an aquatic ecosystem that are attributable to the collective effect of a number of individual discharges of dredged or fill material. Although the impact of a particular discharge may constitute a minor change in itself, the cumulative effect of numerous such piecemeal changes can result in a major impairment of the water resources and interfere with the productivity and water quality of existing aquatic ecosystems

4. Mitigation (Avoidance, Minimization and Compensatory Mitigation).

(a) Activities must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the U.S. (includes wetlands) to the maximum extent practicable at the project site (i.e., on site) through consideration of alternatives.

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating) will be required to the extent necessary to ensure that the adverse effects to the aquatic environment are minimal. Compensatory mitigation of unavoidable direct and indirect impacts, including temporal losses, will generally be required for Category 2 activities to offset unavoidable impacts and to ensure that they are no more than minimal. Compensatory mitigation requirements will be determined on a case-by-case basis.

(c) Unless specifically authorized, no work shall drain a water of the U.S. by providing a conduit for water on or below the surface.

(d) Projects using creosote-treated materials in any water of the U.S. (includes wetlands) require an Individual Permit.

Additional sources of information:

- Direct, secondary and cumulative impacts are defined at Appendix A, Definition 2.
- See www.nae.usace.army.mil/Regulatory >> Mitigation >> Compensatory Mitigation Guidance to view the April 10, 2008 "Final Compensatory Mitigation Rule" (33 CFR 332) and related documents. The Q&A document states: "In order to reduce risk and uncertainty and help ensure that the required compensation is provided, the rule establishes a preference hierarchy for mitigation options. The most preferred options are mitigation bank and in-lieu fee program credits but these do not exist in RI. Permittee-responsible mitigation is the third and only option available in RI, with three possible circumstances (in order of preference): (1) conducted under a watershed approach, (2) on-site and in kind, and (3) off-site/out-of-kind.

5. Discretionary Authority. Notwithstanding compliance with the terms and general conditions of this GP, the Corps retains discretionary authority to require either a Category 2 or Individual Permit review (if the project originally qualified for Category 1) or an Individual Permit review (if the project originally qualified for a Category 2) based on concerns for the aquatic environment or for any other factor of the public interest [33 CFR 320.4(a)]. This authority is invoked on a case-by-case basis whenever the Corps determines that the potential impacts of the proposal warrant a higher level of review (either a Category 2 or an Individual Permit) based on the concerns stated above. This authority may be invoked for projects with cumulative environmental impacts that are more than minimal or if there is a special resource or concern associated with a particular project that is not already covered by the remaining conditions of the GP and that warrants greater review. Whenever the Corps notifies an applicant that either a Category 2 or Individual Permit review is required, authorization under this GP is void and no work may be conducted until the Corps issues the required authorization and notifies the applicant in writing that work may proceed.

6. Single and Complete Projects

- (a) This GP shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single project and/or all planned phases of a multi-phased project (e.g., subdivisions should include all work such as roads, utilities, and lot development) shall be treated together as constituting one single and complete project.
- (b) A single and complete non-linear project, defined at 33 CFR 330.2(i), must have independent utility. A project is considered to have independent utility if it would be constructed absent the construction of other projects in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed, even if the other phases were not built, can be considered as separate single and complete projects with independent utility.
- (c) Unless the Corps determines that an activity is a single and complete project, this GP shall not be used for any activity that is part of an overall project for which an Individual Permit is required.
- (d) For linear projects such as power lines or pipelines with multiple crossings, a "single and complete project" is all crossings of a single water of the U.S. (i.e. single waterbody) at a specific location. For linear projects crossing a single waterbody several times at separate and distant locations, each crossing is considered a single and complete project. However, individual channels in a braided stream or river, or individual arms of a large, irregularly-shaped wetland or lake, etc., are not separate waterbodies, and crossings of such features cannot be considered separately. If any crossing requires a Category 2 review or an individual permit, then the entire linear project shall be reviewed as one project under Category 2 or the individual permit procedures.

7. Permit On-Site. For Category 2 projects, the permittee shall ensure that a copy of this GP and the accompanying authorization letter are at the work site whenever work is being performed, and that all

personnel with operation control of the site ensure that all appropriate personnel performing work are fully aware of its terms and conditions. The entire permit authorization shall be made a part of any and all contracts and sub-contracts for work that affects areas of Corps jurisdiction at the site of the work authorized by this GP. This shall be achieved by including the entire permit authorization in the specifications for work. The term "entire permit authorization" means this GP and the authorization letter (including its drawings, plans, appendices and other attachments) and also includes permit modifications. If the authorization letter is issued after the construction specifications, but before receipt of bids or quotes, the entire permit authorization shall be included as an addendum to the specifications. If the authorization letter is issued after receipt of bids or quotes, the entire permit authorization shall be included in the contract or sub-contract. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions contained within the entire GP authorization, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps jurisdiction.

8. Historic Properties.

(a) Any activity authorized by this GP shall not result in effects [as that term is defined at 36 CFR 800.16(i)] on properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties, unless and until the Corps or another federal action agency has satisfied the consultation requirements of Section 106 of the National Historic Preservation Act.

(b) Work is not eligible for Category 1 and an application to the Corps is required if the activity may have the potential to cause effects to any historic properties listed, determined to be eligible for listing, or is potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. Work is eligible for Category 1 provided another federal action agency has satisfied the consultation requirements of Section 106 of the National Historic Preservation Act.

(c) Information on the location and existence of historic resources can be obtained from the RIHPHC, the National Register of Historic Places [see 33 CFR 330.4(g)], and the two Native American tribes listed in Appendix B, which contains contact information and geographic areas of interest for each tribe. Historic properties include those that are eligible for inclusion, but not necessarily listed on the National Register.

(d) If the permittee, either prior to construction or during construction of the work authorized herein, encounters a previously unidentified archaeological or other cultural resource within the area subject to Corps jurisdiction that might be eligible for listing in the National Register of Historic Places, he/she shall stop work and immediately notify the Corps, RIHPHC and applicable tribe(s).

9. National Lands. Any of the following work is not eligible as a Category 1 project:

(a) Activities that impinge upon the value of any National Wildlife Refuge, National Forest, National Estuarine Research Preserves, National Marine Sanctuary, National Park or any other area administered by the National Park Service, USFWS, U.S. Forest Service.

(b) Work on Corps properties and Corps-controlled easements. In addition to any authorization under this GP, proponents must contact the Corps, Real Estate Division at (978) 318-8585 to obtain real estate documents.

(c) Any proposed temporary or permanent modification or use of a federal project (including but not limited to a levee, dike, floodwall, channel, sea wall, bulkhead, jetty, wharf, pier, or other work built but not necessarily owned by the United States), which would obstruct or impair the usefulness of the federal project in any manner, and/or would involve changes to the authorized federal project's scope, purpose, and/or functioning that go beyond minor modifications required for normal operation and maintenance requires review and approval by the Corps pursuant to 33 USC 408.

10. Federal Threatened and Endangered Species.

(a) No activity may be authorized under Category 1 of this GP which:

i. "May affect" a threatened or endangered species, a species proposed for listing as threatened or endangered, or designated or proposed critical habitat (all herein referred to as "listed species or habitat") as identified under the Federal Endangered Species Act (ESA) (unless specified in a programmatic agreement with NMFS or USFWS),

ii. Results in a "take" of any Federally-listed threatened or endangered species of fish or wildlife, or

iii. Results in any other violation of Section 9 of the ESA protecting threatened or endangered species of plants.

(b) No activity may be authorized under Category 1 if a listed species or critical habitat¹ is present in the action area². Project proponents must check the USFWS and NMFS websites¹ to ensure that listed species or critical habitat are not present in the action area or to provide information on federally-listed species or habitat as required in (c) below.

(c) Proponents must submit an application to the Corps if any of the activities in (a) or (b) above may occur and provide information on federally-listed species or habitat¹ to allow the Corps to conduct any required consultation under Section 7 of the ESA.

(d) Although some work is excluded from Category 1 as stated in (a) and (b) above, work may qualify for Category 1 if a "No Effect determination" has been made for that work by a federal action agency. The permittee must comply with any conditions that were imposed to avoid adverse effects to listed species or critical habitat.

Additional sources of information:

¹ USFWS: www.fws.gov/newengland/EndangeredSpec-Consultation_Project_Review.htm.

NMFS: www.nero.noaa.gov/prot_res/esp/ListE&Tspec.pdf.

² The "Endangered Species Act Consultation Handbook – Procedures for Conducting Section 7 Consultations and Conferences," defines action area as "all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action. [50 CFR 402.02]."

11. Essential Fish Habitat (EFH). As part of the GP review process, the Corps will coordinate with the NMFS in accordance with the 1996 amendments to the Magnuson-Stevens Fishery Conservation and Management Act (MSA) to protect and conserve the habitat of marine, estuarine and anadromous finfish, mollusks, and crustaceans. This habitat is termed "Essential Fish Habitat," (EFH) and is broadly defined to include "those waters and substrate necessary to fish for spawning, breeding, feeding and growth to maturity." All species managed under the MSA have had EFH designations. There are 61 species with EFH in the coastal waters of southern New England. Applicants may be required to describe and identify potential impacts to EFH. Conservation recommendations regarding the protection of EFH for species managed under the MSA made by NMFS will normally be included as special conditions to any permit issued by the Corps. Information on the location of EFH can be obtained from NMFS at www.nero.noaa.gov/hcd.webintro.html. The NMFS has established a web site at www.nero.noaa.gov/HCD/appguide1.html.

12. Wild and Scenic Rivers. Currently there are no designated Wild and Scenic Rivers or rivers designated as Study Rivers in the State of Rhode Island.

13. Federal Navigation Project. Any proposed structure or work that extends closer to the horizontal limits of any Corps Federal Navigation Project (FNP) than a distance of three times the FNP's authorized depth shall be subject to removal at the owner's expense prior to any future Corps dredging or the performance of hydrographic surveys.

14. Navigation.

(a) There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein, and no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein.

(b) The permittee understands and agrees that if future U.S. operations require the removal, relocation or other alteration of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps, to remove, relocate or alter the structural work or obstructions caused thereby, without expense to the U.S. No claim shall be made against the U.S. on account of any such removal or alteration.

15. Federal Liability. In issuing this GP, the Federal Government does not assume any liability for the following:

(a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes;

(b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the U.S. in the public interest;

(c) damages to persons, property or to other permitted or unpermitted activities or structures caused by the activity authorized by the GP;

(d) design or construction deficiencies associated with the permitted work; (e) damage claims associated with any future modification, suspension or revocation of this permit.

16. Heavy Equipment in Wetlands.

(a) Operating heavy equipment other than fixed equipment (drill rigs, fixed cranes, etc.) in wetlands shall be minimized, and such equipment shall not be stored, maintained or repaired in wetlands to the maximum extent practicable. Where construction requires heavy equipment operation in wetlands, the equipment shall either have low ground pressure (typically <3 psi), or it shall be placed on swamp/construction/timber mats (herein referred to as "construction mats" and defined at Appendix A, Definition 4.) that are adequate to support the equipment in such a way as to minimize disturbance of wetland soil and vegetation.

(b) Construction mats are to be placed in the wetland from the upland or from equipment positioned on swamp mats if working within a wetland. Dragging construction mats into position is prohibited.

(c) Other support structures that are capable of safely supporting equipment may be used with written Corps authorization (Category 2 authorization or Individual Permit). Similarly, the permittee may request written authorization for the Corps to waive use of mats during frozen, dry or other conditions. An adequate supply of spill containment equipment shall be maintained on site.

(d) In tidal wetlands, no dredge work shall have equipment traverse, be placed, or stored on the marsh vegetation unless specifically authorized in writing by the Corps.

17. Temporary Fill. Temporary fill that qualifies for Category 1 (e.g., <5,000 SF of combined temporary and permanent fill associated with the single and complete project) or is authorized in writing under Category 2, shall adhere to the following:

(a) All temporary fill shall be stabilized to prevent its eroding into portions of waters of the U.S. including wetlands.

(b) Unconfined temporary fill authorized for discharge into waters of the U.S. (includes wetlands) (e.g., temporary stream crossings) shall consist of material that minimizes impacts to water quality (e.g. sandbags, clean gravel, stone, etc.).

(c) Temporary fill authorized for discharge into wetlands should be placed on geotextile fabric or other

material (e.g., straw) laid on the pre-construction wetland grade where practicable to minimize impacts. Construction mats are excluded from this requirement.

(d) Temporary fill shall be removed as soon as it is no longer needed, disposed of at an upland site, and suitably contained to prevent its subsequent erosion into waters of the U.S. (includes wetlands).

(e) Waters of the U.S. (includes wetlands) where temporary fill was discharged shall be restored (see GC 18).

(f) Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Temporary fills must be placed in a manner that will not be eroded by expected high flows.

(g) Construction mats, corduroy roads and the like (see GC 16 above) are considered as temporary fill when they are removed immediately upon work completion. The area must be restored (see GC 18).

18. Restoration.

(a) Wetland areas where permanent disturbance is not authorized shall be restored to their original condition and elevation, which under no circumstances shall be higher than the pre-construction elevation unless otherwise authorized. Original condition means careful protection and/or removal of existing soil and vegetation, and replacement back to the original location such that the original soil layering and vegetation schemes are approximately the same.

(b) Upon completion of construction, all disturbed wetland areas (the disturbance of these areas must be authorized) shall be properly stabilized. Any seed mix shall contain only plant species native to New England and shall not contain any species listed in the "Invasive and Other Unacceptable Plant Species" Appendix in the "New England District Compensatory Mitigation Guidance" (see GC 27). This list may be updated periodically.

(c) Unless otherwise authorized, in areas of authorized temporary disturbance, if trees are cut they shall be cut at ground level and not uprooted in order to prevent disruption to the wetland soil structure and to allow stump sprouts to revegetate the work area.

19. Bank Stabilization.

(a) Projects involving construction or reconstruction/maintenance of bank stabilization structures within Corps jurisdiction shall be designed to minimize environmental effects, effects to neighboring properties, scour, etc. to the maximum extent practicable.

(b) Proponents must design and construct bank stabilization projects using this sequential minimization process: avoidance of aquatic resource impacts, diversion of overland flow, vegetative stabilization, stone-sloped surfaces, and walls/bulkheads. Vertical walls/bulkheads shall only be used in situations where reflected wave energy can be tolerated. This generally eliminates bodies of water where the reflected wave energy may interfere with or impact on harbors, marinas, or other developed shore areas. A revetment is sloped and is typically employed to absorb the direct impact of waves more effectively than a vertical seawall. It typically has a less adverse effect on the beach in front of it, abutting properties and wildlife. For more information, see the Corps Coastal Engineering Manual, located at <http://chl.erdc.usace.army.mil>. Select "Products/ Services" and then "Publications." Part 5, Chapter 7-8, a(2)c is particularly relevant.

20. Soil Erosion and Sediment Controls.

(a) Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. These controls shall be capable of preventing erosion, of collecting sediment, suspended and

floating materials, and of filtering fine sediment. This is to reduce erosion and retain sediment on-site during and after construction.

(b) Temporary soil erosion and sediment controls shall be removed upon completion of work, but not until all disturbed areas are permanently stabilized. The sediment collected by these devices shall be removed and placed at an upland location in a manner that will prevent its later erosion into a waterway or wetland.

(c) All exposed soil and other fills shall be permanently stabilized at the earliest practicable date.

(d) Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow.

Additional sources of information:

Appropriate soil erosion and sediment controls are management measures, practices and devices, such as phased construction, installation of sediment control barriers (i.e., silt fence, vegetated filter strips, geotextile silt fences, erosion control mixes, hay bales or other devices) downhill of all exposed areas, retention of existing vegetated buffers, application of temporary mulching, etc.

21. Waterway Crossings and Work¹:

(a) All permanent crossings of rivers, streams, brooks, etc. (hereon referred to as "streams") shall be suitably culverted, bridged or otherwise designed and constructed to i) withstand expected high flows, ii) not restrict or impede the passage of normal or high flows, or iii) not substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, beyond the actual duration of construction.

[NOTE: Areas of fill and/or cofferdams must be included in total waterway/wetlands impacts (see Appendix A, Page 1) to determine applicability of this GP.]

(b) New Stream Crossings. To ensure compliance with (a) above, new stream crossings are eligible for Category 1 provided:

i. Spans² are installed to avoid or cause minimal disruption to the streambed. Work in the stream shall be minimized, and design and construction shall allow the streambed's natural structure and integrity to remain intact to the greatest extent practicable. Any fill or excavation of the streambed waterward of bankfull width other than footings, support pilings, and work specified in 21(f) and 21(h) below, requires Category 2 review and, unless demonstrated otherwise, stream simulation² as necessary to restore or establish substrate and banks in the span structure and work area to match the characteristics of the substrate and banks in the natural stream channel.

ii. The spans are designed and constructed to conform to the following:

- "RI DEM *Wetland BMP Manual: Techniques for Avoidance and Minimization*," Chapter 9 "Wetland Crossings." www.dem.ri.gov/programs/benviron/water/permits/fresh/pdfs/wetbmp.pdf.

- The most recent design and construction manual located on our website³.

(c) Replacement Stream Crossings. See Appendix A, Definition 8 for information on the replacement of serviceable stream crossings. To ensure compliance with (a) above, replacement of non-serviceable stream crossings are eligible for Category 1 provided:

¹This condition does not apply to 1) non-tidal drainage systems and 2) irrigation ditches excavated on dry land.

²For purposes of this GP, spans are bridges, 3-sided box culverts, open-bottom culverts or arches that span the stream with footings and abutments landward of bankfull width.

³See <http://www.nae.usace.army.mil/Regulatory> >> Stream & River Continuity >> Stream Simulation Design & Construction Manual, "Stream Simulation: An Ecological Approach to Providing Passage for Aquatic Organisms at Road/Stream Crossings, USFS, 2008." Section 5.3.3 is of particular importance. Sections 7.5.2.3 Construction Methods and 8.2.11 Stream-Simulation Bed Material Placement both show important steps in the project construction.

i. For replacement of spans, work in the stream shall be minimized, and design and construction shall allow the streambed's natural structure and integrity to remain intact, as applicable. Unless authorized in writing in a Category 2 authorization letter, for replacement of culverts and spans, stream simulation shall be performed as necessary to restore or establish substrate and banks in the span structure and work area to match the characteristics of the substrate and banks in the natural stream channel.

ii. The spans are designed and constructed to conform to the documents in 21(b)(ii) above.

(d) Culvert Extensions. Culvert extensions are eligible for Category 1 provided that after completion the entire culvert conforms to the documents in 21(b)(ii) above.

(e) Projects using slip lining (retrofitting an existing culvert by inserting a smaller diameter pipe), plastic pipes, High Density Polyethylene Pipes (HDPP), or retrofit methods increasing flow velocity, are not allowed as non-reporting Category 1 activities, either as new or maintenance work.

(f) Unless specifically authorized in a written Category 2 authorization letter, all Category 1 and 2 work must adhere to the following to prevent sediment input to the stream and to minimize turbidity and sedimentation impacts for sensitive life stages:

i. No unconfined fill or excavation in flowing waters is allowed except for that specified in GC 17(b).

ii. All work, including bank stabilization work, landward of the waterline shall utilize soil erosion and sediment controls (see GC 20) as appropriate.

iii. All work landward and waterward of the waterline must be isolated using appropriate management techniques to maintain continuity of flow. This may involve bypass pumping around barriers immediately up and downstream of the work footprint (e.g., "dam and pump"), cofferdams, etc. Even during periods of no flow in the stream, management techniques must still be employed due the potential for unexpected flows. The low flow channel shall remain unobstructed during periods of low flow except when it's necessary to perform the authorized work. The purpose is to avoid adverse impacts to fish.

iv. Management techniques used to isolate the work may be installed and removed outside of the time of year (TOY) restriction. Once the techniques are in place, the isolated activity may be conducted during the TOY restriction.

v. TOY restrictions coincide with the low flow period which is from July 1 to October 1.

vi. The above restrictions do not apply to exploratory drilling and borings for bridges, which qualify for Category 1 of this GP.

(g) Construction equipment shall not cross or access streams without the use of temporary bridges, culverts, or cofferdams. (Notes: 1. Areas of fill and/or cofferdams must be included in total waterway/wetlands impacts to determine applicability of this GP). 2. See GC 17(b) for more information.)

(h) Any work that temporarily or permanently impacts upstream or downstream flood conditions, or permanently impacts wetlands in excess of Category 1 thresholds, must be reviewed at least under Category 2.

22. Wetland Crossings.

(a) All temporary and permanent crossings of wetlands shall be suitably culverted, bridged, or otherwise designed to: **i)** withstand and prevent the restriction of high flows, **ii)** not obstruct the movement of or not substantially disrupt the necessary life-cycle movements of those species of aquatic life indigenous to the wetland, including those species that normally migrate through the area, beyond the actual duration of construction unless the activity's primary purpose is to impound water.

(b) To qualify for Category 1, new and replacement wetland crossings that are permanent shall be culverted, spanned or bridged in such a manner as to preserve hydraulic and ecological connectivity between the wetlands on either side of the road. Closed bottom culverts shall be embedded with a natural bottom.

- (c) In the case of non-compliance, the permittee shall take necessary measures to correct wetland damage due to lack of hydraulic and ecological connectivity.
- (d) Any work that results in flooding, impacts to wetlands on either side of the wetland crossing in excess of Category 1 thresholds, or impacts wetland drainage from the upgradient side of the wetland crossing does not qualify for Category 1.

Additional sources of information:

See the RI DEM's BMP manual for information on properly constructed wetland crossings at: www.dem.ri.gov/programs/benviron/water/permits/fresh/wetbmp.htm.

23. Discharge of Pollutants.

- (a) All projects authorized by this GP shall be designed, constructed and operated to minimize or eliminate the discharge of pollutants.
- (b) All activities involving any discharge of pollutants into waters of the U.S., including wetlands, authorized under this GP must comply with Section 402 [33 U.S.C. 1342] of the CWA and the requirements of the National Pollutant Discharge Elimination System (40 CFR 122).
- (c) All activities involving any discharge of pollutants into waters of the U.S. (includes wetlands) authorized under the GP shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the CWA (33 USC 1251) and applicable state and local laws. If applicable water quality standards, limitations, etc. are revised or modified during the term of this GP, the authorized work shall be modified to conform with these standards within six months of the effective date of such revision or modification, or within a longer period of time deemed reasonable by the Corps in consultation with the EPA. Applicants may presume that state water quality standards are met with issuance of the WQC (applicable only to Section 404 activities).

24. Spawning, Breeding and Migratory Areas. Activities and impacts such as excavations, discharges of dredged or fill material, and/or suspended sediment producing activities in fish migratory areas, fish and shellfish spawning or nursery areas, or amphibian and migratory bird breeding areas, during spawning or breeding seasons shall be avoided and minimized.

25. Storage of Seasonal Structures. Coastal structures such as pier sections and floats, that are removed from the waterway for a portion of the year (often referred to as seasonal structures) shall be stored in an upland location located landward of mean high water (MHW) and not in tidal wetlands or mudflats. These seasonal structures may be stored on the fixed, pile-supported portion of the structure that is seaward of MHW. This is intended to prevent structures from being stored on the marsh substrate, mudflats, or the substrate seaward of MHW. Moored, seasonal storage of structures in navigable waters, e.g., in a protected cove on a mooring, requires Corps and local harbormaster approval.

26. Environmental Functions and Values. The permittee shall make every reasonable effort to carry out the construction or operation of the work authorized herein in a manner that maintains as much as is practicable, and minimize any adverse impacts on existing fish, wildlife, and natural environmental values.

27. Invasive Species.

- (a) The introduction, spread, or the increased risk of invasion of invasive plant or animal species on the project site, into new or disturbed areas, or areas adjacent to the project site caused by the site work is prohibited.

(b) Unless otherwise directed by the Corps, all applications for Category 2 inland projects and Category 2 coastal projects proposing fill in Corps jurisdiction shall include an Invasive Species Control Plan (ISCP).

Additional sources of information:

(a) Information on what are considered as invasive species is provided in the New England District's "Compensatory Mitigation Guidance" document at www.nae.usace.army.mil/regulatory >> Mitigation >> Compensatory Mitigation Guidance. The Invasive Species section has a reference to our "Invasive Species Control Plan (ISCP) Guidance" document, located at www.nae.usace.army.mil/regulatory >> Invasive Species. This provides information on preparing an ISCP.

(b) The June 2009 "Corps of Engineers Invasive Species Policy" at www.nae.usace.army.mil/regulatory >> Invasive Species, provides policy, goals and objectives.

28. Inspections. The permittee shall allow the Corps to make periodic inspections at any time deemed necessary in order to ensure that the work is being or has been performed in accordance with the terms and conditions of this GP. The Corps may also require post-construction engineering drawings for completed work or post-dredging survey drawings for any dredging work. To facilitate these inspections, for Category 2 projects the permittee shall complete and return to the Corps the following when requested by the Corps 1) **Work-Start Notification Form** and 2) **Compliance Certification Form** whenever either is provided with a Category 2 authorization letter.

29. Maintenance.

(a) The permittee shall maintain the work authorized herein in good condition and in conformance with the terms and general conditions of this permit and any special conditions contained in the authorization letter.

(b) This does not include maintenance dredging projects. Each maintenance dredging event exceeding the Category 1 thresholds (see Appendix A, Page 5) requires a new written Corps authorization unless an unexpired, written Corps authorization specifies that the permittee may "dredge and maintain" an area for a particular time period. Category 1 or 2 maintenance dredging includes only those areas and depths previously authorized and dredged.

(c) Some maintenance activities may not be subject to regulation under Section 404 in accordance with 33 CFR 323.4(a)(2) (see Appendix A, end of note 8).

(d) See www.nae.usace.army.mil/regulatory >> Useful Links and Documents >> Other for inland mosquito ditching and maintenance information. See "Regulatory/Permitting," and then "Other."

30. Property Rights. This GP does not convey any property rights, either in real estate or material, or any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of Federal, state, or local laws or regulations.

31. Transfer of GP Verifications. The permittee may transfer responsibilities and obligations under the GP verification to the new owner by submitting a letter to the Corps to validate the transfer. A copy of the GP verification must be attached to the letter and the letter must contain the following statement and signature: "When the structures or work authorized by this GP are still in existence at the time the property is transferred, the terms and conditions of this GP, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this GP and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below."

32. Modification, Suspension, and Revocation. This GP or any work authorize under Category 1 or 2 may be either modified, suspended, or revoked, in whole or in part, pursuant to the policies and procedures of 33 CFR 325.7. Any such action shall not be the basis for any claim for damages against the U.S.

33. Restoration Directive. The permittee, upon receipt of a notice of revocation of authorization under this GP, shall restore the wetland or waterway to its former conditions without expense to the United States and as directed by the Secretary of the Army or his authorized representative. If the permittee fails to comply with such a directive, the Secretary or his designee may restore the wetland or waterway to its former condition, by contract or otherwise, and recover the cost from the permittee.

34. False or Incomplete Information. If the Corps makes a determination regarding the eligibility of a project under this GP and subsequently discovers that it has relied on false, incomplete or inaccurate information provided by the permittee, the GP authorization shall not be valid and the U.S. Government may institute legal proceedings.

35. Abandonment. If the permittee decides to abandon the activity authorized under this GP, unless such abandonment is merely the transfer of property to a third party, he/she may be required to restore the area to the satisfaction of the Corps.

36. Enforcement cases. The GP does not apply to any existing or proposed activity in Corps jurisdiction associated with an ongoing Corps or EPA enforcement action, until such time as the enforcement action is resolved or the Corps or EPA as appropriate determines that the activity may proceed independently without compromising the enforcement action.

37. Environmental Impact Statement (EIS). Projects where an EIS has been required by the Corps are not eligible for this GP. Projects that are the subject of an EIS by another federal agency may be eligible for this GP.

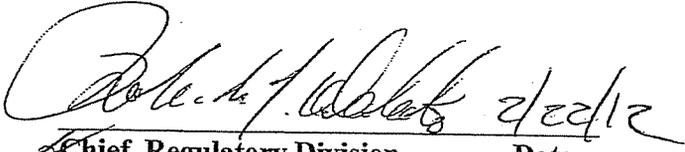
38. Duration of Authorization. This GP expires on February 22, 2017, unless otherwise modified, suspended or revoked. Activities authorized under this GP that have commenced (i.e., are under construction) or are under contract to commence before this GP expires will have an additional year from this GP's expiration date to complete the work. The permittee must be able to document to the Corps' satisfaction that the project was under construction or under contract by the appropriate date. If work is not completed within the one year extended timeframe, the permittee must contact the Corps prior to commencing work. The Corps may issue a new authorization provided the project meets the terms and conditions of the RI GP current at the time.

39. Previously Authorized Activities:

(a) Projects that received authorization (Category 1 or 2) from the Corps and that were completed under previous GPs, nationwide permits, regional general permits or letters of permission, shall remain authorized.

(b) Activities authorized pursuant to 33 CFR 330.3 ("Activities occurring before certain dates") are not affected by this GP.

(c) Any work not commenced or completed that has written authorization from the Corps, DEM or CRMC under the GP in effect between February 13, 2007 and February 13, 2012 is considered authorized under Category 1 of this GP. The terms and general conditions of this GP apply along with any special conditions in the previous written authorization. The new expiration date for the work is the same as the state's expiration date unless the work is exempt or not regulated by the state, in which case the expiration date coincides with the expiration date of this GP.


Chief, Regulatory Division Date

APPENDIX A: DEFINITION OF CATEGORIES

<p>I. INLAND WATERS & WETLANDS</p>	<p>Inland Waters and Wetlands: Waters that are regulated under Section 404 of the Clean Water Act, including rivers, streams, lakes, ponds and wetlands [33 CFR 328.4(c)], excluding Section 10 Navigable Waters of the U.S. The jurisdictional limits are the ordinary high water (OHW) mark in the absence of adjacent wetlands, beyond the OHW mark to the limit of adjacent wetlands when adjacent wetlands are present, and the wetland limit when only wetlands are present. For the purposes of this GP, fill placed in the area between the mean high water (MHW) and the high tide line (HTL), and in the bordering and contiguous wetlands¹ to tidal waters are reviewed in the Navigable Waters section (see Appendix A, Page 4).</p> <p>Projects not meeting Category 1 must apply/report to the Corps as either a Category 2 or Individual Permit project.</p> <p>Projects not qualifying for Category 1 or 2 require an Individual Permit. See the <u>Individual Permit Procedures on Page 4</u>.</p> <p>All Category 1 and 2 projects must comply with all of this GP's applicable terms (Pages 1 – 4) and general conditions (Pages 4 – 16).</p>
<p>(a) NEW FILL/ EXCAVATION DISCHARGES</p>	<p>CATEGORY 1</p> <p><5,000 SF of inland waterway and/or wetland fill and associated secondary impacts², (e.g., waters of the U.S. that are drained, flooded, fragmented, mechanically cleared or excavated). Fill area includes all temporary and permanent fill areas³ and regulated discharges associated with excavation. Construction mats and corduroy roads⁴ are considered as fill [see General Condition (GC) 17].</p> <p><u>Work in this category excludes:</u></p> <ul style="list-style-type: none"> • Work in vernal pools⁵ (VPs) or within 100 FT of the VP's edge when Corps jurisdiction is triggered. • Work in special aquatic sites (SAS)⁶ other than wetlands. <p>CATEGORY 2</p> <ol style="list-style-type: none"> 1. 5,000 SF to 1 acre waterway and/or wetland fill and secondary impacts, (e.g., waters of the U.S. that are drained, flooded, fragmented, mechanically cleared or excavated). Fill area includes all temporary and permanent fill areas³. Construction mats and corduroy roads⁴ are considered as fill (see GC 17). 2. Projects with proactive restoration⁷ as a primary purpose with impacts of any area \geq5,000 SF. The Corps, in consultation with Federal and State agencies, must determine that net adverse effects are not more than minimal. 3. Specific activities with impacts \geq5,000 SF required to effect the containment, stabilization, or removal of hazardous or toxic waste materials performed, ordered or sponsored by a government agency with established legal or regulatory authority. Wetlands must be restored in place. 4. Work in VPs or within 100 FT of the VP's edge when Corps jurisdiction is triggered. Wetland fill and/or secondary impacts (e.g., site clearing, grading and construction activities) should be limited to <25% of the VP habitat⁵. Roads & driveways should be excluded from the VP envelope⁵. The applicant shall delineate all VPs on the property when any work (upland or wetland/waterway) will occur within 200' of the VP. 5. Temporary structures, work, and discharges (e.g., construction mats) \geq5000 SF necessary for construction activities or access fills or dewatering of construction sites, provided that the associated primary activity is authorized by the Corps or not subject to Corps regulation.

CATEGORY 1		CATEGORY 2	
<p>(b) BANK STABILIZATION PROJECTS</p>	<p>Inland bank stabilization activities necessary for erosion prevention.</p> <p>Provided:</p> <ul style="list-style-type: none"> • Work complies with all GCs (GCs 19 & 21 in particular), • <100 FT long and <1 CY of fill per linear foot average along the bank below OHW, • No structures angled steeper than 3H:1V • Only angular or subangular stone or fiber roll revetments allowed. • No unconfined fill or excavation in flowing waters (see GC 21). Proper management techniques and water diversions are required. See GC 21(e). • In-stream work limited to Jul 1 – Oct 1 [See GC 21(e)]. • No discharges of dredged or fill material into SAS⁶ • No material is of the type, or is placed in any location, or in any manner, to impair surface water flow into or out of any water of the U.S. • No material is placed in a manner that will be eroded by normal or expected high flows (properly anchored trees and treetops may be used in low energy areas). • No stream channelization activities. 	<p>Inland bank stabilization projects ≥ 100 FT long or ≥ 1 CY per linear foot below OHW.</p>	
<p>(c) RIVER/ STREAM/ BROOK WORK & CROSSINGS and WETLAND CROSSINGS</p>	<ul style="list-style-type: none"> • River, stream and brook work and crossings must comply with the GCs (GC 21 in particular). • No open trench excavation in flowing waters • No slip lining. • Fill must be <5000 SF. 	<ol style="list-style-type: none"> 1. Work in riffles and pools. 2. Stream relocations. 3. Dams and dikes. 4. Dam removal projects with proactive restoration⁷ as a primary purpose with impacts of any area $\geq 5,000$ SF. The Corps, in consultation with Federal and State agencies, must determine that net adverse effects are not more than minimal. 	

	CATEGORY 1	CATEGORY 2
(d) REPAIR AND MAINTENANCE OF AUTHORIZED FILLS	<p>Repair/maintenance of existing, currently serviceable, authorized fills with no expansion or change in use.</p> <ul style="list-style-type: none"> • Conditions of the original authorization apply • Minor deviations in fill design allowed⁸. • Includes structures or fills destroyed or damaged by storms, floods, fire or other discrete events is authorized, provided the repair, rehabilitation, or replacement is commenced, or is under contract to commence, within two years of the date of their destruction or damage. 	<p>Repair/maintenance of existing, currently-serviceable, authorized fills; or replacement of non-serviceable authorized fills, <1 acre, including expansion or a change in use.</p>
(e) MISC.	<ol style="list-style-type: none"> 1. Activities required for the containment and cleanup of oil and hazardous substances that are subject to the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300) provided that the work is done in accordance with the Spill Control and Countermeasure Plan required by 40 CFR 112.3 and any existing state contingency plan and provided that the Regional Response Team (if one exists in the area) concurs with the proposed containment and cleanup action. SAS⁶ must typically be restored in place at the same elevation. 2. Scientific measurement devices whose purpose is to measure and record scientific data, such as staff gages, water recording devices, water quality testing and improvement devices, and similar structures. This excludes any biological sampling devices. Structures may not restrict movement of aquatic organisms. 3. Survey activities, such as core sampling, seismic exploratory operations, plugging of seismic shot holes and other exploratory-type bore holes, exploratory trenching, soil surveys, sampling, and historic resources surveys (but not recovery). Exploratory trenches must be restored in accordance with GC 19. This doesn't authorize permanent structures or the drilling and the discharge of excavated material from test wells for oil and gas exploration (the plugging of such wells is authorized). 4. Maintenance, repair, and emergency repair of high, significant and low hazard dams performed in accordance with RI DEM Rules and Regulations for Dam Safety. Associated wetland impacts that don't meet the definition of maintenance above are limited to <5000 SF. 	<p>Maintenance, repair, and emergency repair of high, significant and low hazard dams performed in accordance with RI DEM Rules and Regulations for Dam Safety with associated wetland impacts ≥ 5000 SF and not meeting the terms of maintenance of Category 1.</p>

<p>II. NAVIGABLE WATERS</p>	<p>Navigable Waters of the U.S.: Waters that are subject to the ebb and flow of the tide (Section 10 Rivers and Harbors Act of 1899) (33 CFR 329). The jurisdictional limits are the mean high water (MHW) line in tidal waters. For the purposes of this GP, fill placed in the area between MHW and the high tide line (HTL), and in the bordering and contiguous wetlands¹ to tidal waters are also reviewed in this Navigable Waters section.</p> <p>Projects not meeting Category 1 must apply/report to the Corps as either a Category 2 or Individual Permit project.</p>	
<p>(a) FILL</p>	<p>CATEGORY 1</p> <ul style="list-style-type: none"> • No provisions for new or previously unauthorized fills in Category 1, other than: <ul style="list-style-type: none"> • Discharges of dredged or fill material incidental to the construction of bridges across navigable waters of the U.S., including cofferdams, abutments, foundation seals, piers, and temporary construction and access fills provided the U.S. Coast Guard authorizes such discharges as part of the bridge permit. Causeways and approach fills are not included in this category and require Category 2 or Individual Permit authorization. 	<p>CATEGORY 2</p> <ol style="list-style-type: none"> 1. <1 acre temporary or permanent fill, excavation and/or secondary impacts (e.g., areas drained, flooded, fragmented or mechanically cleared). Fill area includes all temporary and permanent waterway fills, and temporary fills in special aquatic sites (SAS)⁶. Up to 4300 SF of permanent fill in SAS⁶ (excluding vegetated shallows). 2. State-approved mosquito control using open-marsh water management (OMWM) techniques. 3. Fills with proactive restoration⁷ (SAS⁶, saltmarsh, vegetated shallows, anadromous fish run, etc.) as a primary purpose with any amount of impact. The Corps, in consultation with Federal & State agencies, must determine that net adverse effects are not more than minimal. 4. Projects using creosote-treated materials in any water or wetland require an Individual Permit. <p><i>There are no areal limits to beach nourishment projects with compatible grain size</i></p>
<p>(b) REPAIR AND MAINTENANCE WORK</p>	<p>Repair or maintenance of:</p> <ul style="list-style-type: none"> • Existing, currently serviceable, authorized structures and fills. • Recreational docks authorized under RI Amnesty Program provided that they are outside Federal Navigation Projects (FNP)⁹ <p><u>Provided:</u></p> <ul style="list-style-type: none"> • No expansion or change in use. • Must be rebuilt in same footprint, however minor deviations in structure design allowed.⁸ 	<p>Repair/maintenance of currently serviceable authorized fills with expansion or a change in use <1 acre.</p> <p>Replacement of non-serviceable authorized fills, including expansion or a change in use, totaling <1 acre.</p> <p>Repair/maintenance of currently serviceable authorized structures w/expansion where the structure (existing + expansion) qualifies for Cat 2 under part (e) below.</p> <p>Replacement of non-serviceable authorized structures w/expansion where the structure (existing + expansion) qualifies for Cat 2 under part (e) below.</p>

	CATEGORY 1	CATEGORY 2
(c) DREDGING	<p>Maintenance dredging⁰ for navigational purposes <1,000 CY with upland disposal. Includes return water from upland contained disposal area.</p> <p><u>Provided:</u></p> <ul style="list-style-type: none"> • Dredging & disposal operation limited to Nov 1 - Jan 15. • No impact to SAS⁶. • No dredging in intertidal areas. • Proper siltation controls are used. 	<p>1. Maintenance dredging⁰ ≥1,000 CY and New/Improvement dredging⁰ <10,000 CY (unlimited volumes within existing marina perimeter limits) provided:</p> <ul style="list-style-type: none"> • No impacts to SAS⁶ • Disposal includes: 1. upland; 2. beach nourishment of any area provided the primary purpose of the dredging is navigation or the sand is from an upland source; or 3. open or ocean water & confined aquatic disposal, if Corps, in consultation with Federal and State agencies, finds the material suitable. • New dredging at marinas is within the existing CRMC-approved marina perimeter limit, does not result in detrimental changes to tidal circulation patterns within the project area, and side slopes are maintained so as to cause no detrimental impacts to nearby SAS⁶ or salt marsh. <p>2. Dredging projects with proactive restoration⁷ as a primary purpose with impacts of any area. The Corps, in consultation with State and Federal agencies, must determine that net adverse effects are not more than minimal.</p> <p>3. Dredging activities with impacts of any area or cubic yardage required to effect the containment, stabilization, or removal of hazardous or toxic waste materials that are performed, ordered, or sponsored by a government agency with established legal or regulatory authority may be reviewed as a Cat. 2. Wetlands must be restored in place.</p>
(d) MOORINGS	<p>1. Outhaul moorings permitted by a CRMC-approved municipal harbor management plan (HMP). See CRMC 300.4.B.7.</p> <p>2. All private, non-commercial, non-rental, single-boat moorings, provided:</p> <ul style="list-style-type: none"> • Authorized by the local harbormaster. • Within a CRMC-approved HMP area. • No interference with navigation. • Not located within the buffer zone of the horizontal limits of a Federal Channel⁹. • Not located in SAS⁶. Prior to installation of mooring, a site-specific vegetated shallow survey should be conducted to document that vegetated shallows are not present. 	<p>1. Moorings that don't meet the terms of Category 1.</p> <p>2. Moorings associated with a boating facility. <i>A boating facility charges a fee or rents or sells mooring space such as marinas, yacht clubs, boat clubs, municipal facilities, dockominiums, etc.</i></p> <p>3. Moorings located such that they, and/or vessels docked or moored at them, are within the buffer zone of the horizontal limits of a Federal Channel⁹. The buffer zone is equal to 3 times the authorized depth of that channel.</p> <p>4. Moorings such that they, and/or vessels docked or moored at them, extend into the horizontal limits of a Federal Channel⁹ require an Individual Permit.</p> <p>Placing new individual moorings in SAS⁶, including vegetated shallows, should be avoided to the maximum extent practicable. If SAS⁶ cannot be avoided, plans should show elastic mooring systems that prevent mooring chains from resting or dragging on the bottom substrate at all tides and helical anchors, or equivalent SAS⁶ protection systems, where practicable.</p>

CATEGORY 1	CATEGORY 2
<p>(d) MOORINGS (continued)</p> <p>3. Relocation of previously authorized moorings and moored floats provided:</p> <ul style="list-style-type: none"> • Cannot be relocated into a Federal Navigation Project⁹ other than a Federal Anchorage⁹ • Existing moorings may not be relocated to SAS⁶. <p>When existing moorings in SAS⁶ are replaced or upgraded, low impact mooring technology that eliminates contact with the bottom substrate at all tides, such as helical anchors and elastic or other floating mooring tackle (i.e., no dragging chains), shall be employed.</p>	<p>1. Private structures and floats that do not meet the terms of Category 1.</p> <p>2. Structures or floats located such that they, and/or vessels docked or moored at them, are within the buffer zone of the horizontal limits of a FNP⁹.</p> <p>3. Structures or floats located such that they and/or vessels docked or moored at them are within the horizontal limits of an FNP⁹ require an Individual Permit.</p> <p>4. Structures or floats associated with a new or previously unauthorized boating facility.</p> <p>5. Expansions to existing boating facilities</p> <p>Projects using creosote-treated materials in any water or wetland requires an Individual Permit.</p> <p><i>A boating facility charges a fee or rents or sells mooring space such as marinas, yacht clubs, boat clubs, municipal facilities, dockminiums, etc.</i></p>
<p>(e) PILE-SUPPORTED STRUCTURES AND FLOATS</p> <p>1. Reconfiguration of existing authorized docks.</p> <ul style="list-style-type: none"> • No additional slips and no expansion. • Includes reconfiguration within CRMC-approved perimeters. <p>2. Boat and float lifts at authorized residential docks.</p> <p>3. Private, bottom-anchored floats ≤400 SF, and private, pile-supported structures for navigational access to the waterway ≤400 SF with attached floats ≤150 SF.</p> <p><u>Provided:</u></p> <ul style="list-style-type: none"> • Floats supported at least 2' above the substrate during all tides. • Pile-supported structures & floats are not located within 25' of vegetated shallows and moored vessels are not positioned over SAS⁶. • Pile-supported structures are ≤4' wide and have at least a 1:1 height to width ratio. • Extend ≤75 FT waterward from MHW. • No structure extends across >25% of the waterway width at MLW. • Not located within the buffer zone of the horizontal limits of an FNP⁹. • State license issued. • Not associated with a boating facility. 	<p>1. Private structures and floats that do not meet the terms of Category 1.</p> <p>2. Structures or floats located such that they, and/or vessels docked or moored at them, are within the buffer zone of the horizontal limits of a FNP⁹.</p> <p>3. Structures or floats located such that they and/or vessels docked or moored at them are within the horizontal limits of an FNP⁹ require an Individual Permit.</p> <p>4. Structures or floats associated with a new or previously unauthorized boating facility.</p> <p>5. Expansions to existing boating facilities</p> <p>Projects using creosote-treated materials in any water or wetland requires an Individual Permit.</p> <p><i>A boating facility charges a fee or rents or sells mooring space such as marinas, yacht clubs, boat clubs, municipal facilities, dockminiums, etc.</i></p>

CATEGORY 1	CATEGORY 2
(D) MISC.	<p>1. Aquaculture projects that do not meet the terms of Category 1.</p> <p>2. Structures/work in or affecting tidal or navigable waters that are not defined under any other headings. Includes but is not limited to utility lines, aerial transmission lines, pipelines, outfalls, boat ramps, bridges, tunnels and horizontal directional drilling activities seaward of the MHW line.</p>
<p>1. Temporary buoys, markers, floats, etc. for recreational use during specific events, provided that they are removed within 30 days after use is discontinued.</p> <p>2. The placement of aids to navigation and regulatory markers which are approved by and installed in accordance with the requirements of the U.S. Coast Guard. (See 33 CFR 66, Chapter 1, subchapter C).</p> <p>3. Activities required for the containment and cleanup of oil and hazardous substances that are subject to the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300) provided that the work is done in accordance with the Spill Control and Countermeasure Plan required by 40 CFR 112.3 and any existing state contingency plan and provided that the Regional Response Team (if one exists in the area) concurs with the proposed containment and cleanup action. SAS⁶ must typically be restored in place at the same elevation.</p> <p>4. Fish and wildlife harvesting, enhancement and attraction devices and activities such as pound nets, crab traps, crab dredging, eel pots, lobster traps, and clam and oyster digging, and small fish attraction devices such as open-water fish concentrators (sea kites, etc.). Provided:</p> <ul style="list-style-type: none"> • No activity results in a hazard to navigation; • This does not authorize artificial reefs or impoundments and semi-impoundments of waters of the U.S. for the culture or holding of motile species such as lobster, or the use of covered oyster trays or clam racks. <p>5. Scientific measurement devices whose purpose is to measure and record scientific data, such as staff gages, water recording devices, water quality testing and improvement devices, and similar structures. Structures may not restrict movement of aquatic organisms. No activity results in a hazard to navigation.</p> <p>6. Survey activities such as exploratory drilling, surveying and sampling activities, excluding any biological sampling devices. Does not include oil and gas exploration and fill for roads or construction pads. No activity results in a hazard to navigation.</p> <p>7. Research, educational, commercial-viability or experimental aquaculture projects that don't exceed 1,000 SF in area, culture indigenous species only, use only "transient gear" type cages or bottom culture with predator netting, are marked to inform mariners of the location of the gear, have a minimum clearance of 4 FT between the top of the gear and the elevation of MLW in areas where the elevation of the sea floor is above -15 FT MLW, have a minimum clearance of 10 FT between the top of the gear and the elevation of MLW in areas where the elevation of the sea floor is equal to or below -15 FT MLW, and have been reviewed and approved in writing by the RICRMC and the RIDEM Divisions of Water Quality and Fish and Wildlife.</p>	<p>1. Temporary buoys, markers, floats, etc. for recreational use during specific events, provided that they are removed within 30 days after use is discontinued.</p> <p>2. The placement of aids to navigation and regulatory markers which are approved by and installed in accordance with the requirements of the U.S. Coast Guard. (See 33 CFR 66, Chapter 1, subchapter C).</p> <p>3. Activities required for the containment and cleanup of oil and hazardous substances that are subject to the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300) provided that the work is done in accordance with the Spill Control and Countermeasure Plan required by 40 CFR 112.3 and any existing state contingency plan and provided that the Regional Response Team (if one exists in the area) concurs with the proposed containment and cleanup action. SAS⁶ must typically be restored in place at the same elevation.</p> <p>4. Fish and wildlife harvesting, enhancement and attraction devices and activities such as pound nets, crab traps, crab dredging, eel pots, lobster traps, and clam and oyster digging, and small fish attraction devices such as open-water fish concentrators (sea kites, etc.). Provided:</p> <ul style="list-style-type: none"> • No activity results in a hazard to navigation; • This does not authorize artificial reefs or impoundments and semi-impoundments of waters of the U.S. for the culture or holding of motile species such as lobster, or the use of covered oyster trays or clam racks. <p>5. Scientific measurement devices whose purpose is to measure and record scientific data, such as staff gages, water recording devices, water quality testing and improvement devices, and similar structures. Structures may not restrict movement of aquatic organisms. No activity results in a hazard to navigation.</p> <p>6. Survey activities such as exploratory drilling, surveying and sampling activities, excluding any biological sampling devices. Does not include oil and gas exploration and fill for roads or construction pads. No activity results in a hazard to navigation.</p> <p>7. Research, educational, commercial-viability or experimental aquaculture projects that don't exceed 1,000 SF in area, culture indigenous species only, use only "transient gear" type cages or bottom culture with predator netting, are marked to inform mariners of the location of the gear, have a minimum clearance of 4 FT between the top of the gear and the elevation of MLW in areas where the elevation of the sea floor is above -15 FT MLW, have a minimum clearance of 10 FT between the top of the gear and the elevation of MLW in areas where the elevation of the sea floor is equal to or below -15 FT MLW, and have been reviewed and approved in writing by the RICRMC and the RIDEM Divisions of Water Quality and Fish and Wildlife.</p>

Appendix B: Definitions and Acronyms

¹ **Bordering and Contiguous Wetlands:** A bordering wetland is immediately next to its adjacent waterbody and may lie at, or below, the OHW mark (MHW in navigable waters) of that waterbody and is directly influenced by its hydrologic regime. Contiguous wetlands extend landward from their adjacent waterbody to a point where a natural or manmade discontinuity exists. Contiguous wetlands include bordering wetlands as well as wetlands that are situated immediately above the ordinary high water mark and above the normal hydrologic influence of their adjacent waterbody. Note, with respect to the Federally designated navigable rivers, the wetlands bordering and contiguous to the tidally influenced portions of those rivers are reviewed under "II. Navigable Waters."

² **Direct, Secondary, and Cumulative Impacts/Effects:**

Direct Impacts: The immediate loss of aquatic ecosystem within the footprint of the fill.

Secondary Impacts: These are effects on an aquatic ecosystem that are associated with a discharge of dredged or fill materials, but do not result from the actual placement of the dredged or fill material. Information about secondary effects on aquatic ecosystems shall be considered prior to the time final section 404 action is taken by permitting authorities. Some examples of secondary effects on an aquatic ecosystem are a) fluctuating water levels in all impoundment and downstream associated with the operation of a dam, b) septic tank leaching and surface runoff from residential or commercial developments on fill, and c) leachate and runoff from a sanitary landfill located in waters of the U.S. Put another way, secondary effects are those impacts outside the footprint of the fill that arise from and are associated with the discharge of dredged or fill material, including the operation of an activity or facility associated with the discharge. Examples may include habitat fragmentation; interruption of travel corridors for wildlife (for example, for amphibians that migrate to and from seasonal or vernal pools used as breeding habitat); hydrologic regime changes; and impacts from operation and maintenance activities for constructed facilities; such as noise/lighting, storm water runoff, and road kill of wetland dependent wildlife. Using the directions contained in the guidelines, we consider the circumstances of a proposed discharge and the project of which it is a part to evaluate the scope, extent, severity, and permanence of direct, secondary, and cumulative adverse effects upon the aquatic ecosystem. **Cumulative Impacts:** The changes in an aquatic ecosystem that are attributable to the collective effect of a number of individual discharges of dredged or fill material. Although the impact of a particular discharge may constitute a minor change in itself, the cumulative effect of numerous such piecemeal changes can result in a major impairment of the water resources and interfere with the productivity and water quality of existing aquatic ecosystems.

³ **Fill:** Material placed in waters of the U.S. where the material has the effect of either replacing any portion of a water of the U.S. with dry land or changing the bottom elevation of any portion of a water. (33 CFR 323)

⁴ **Construction Mats:** Constructions, swamp and timber mats (herein referred to as "construction mats") are generic terms used to describe structures that distribute equipment weight to prevent wetland damage while facilitating passage and providing work platforms for workers and equipment. They are comprised of sheets or mats made from a variety of materials in various sizes. A timber mat consists of large timbers bolted or cabled together. Corduroy roads, which are not considered to be construction mats, are cut trees and/or saplings with the crowns and branches removed, and the trunks lined up next to one another. Corduroy roads are typically installed as permanent structures. Like construction mats, they are considered as fill whether they're installed temporarily or permanently.

⁵ **Vernal Pools and Habitat:** Vernal pools are confined basin depressions with water for two or more continuous months in the spring and/or summer, for which evidence of one of more of the following indicator vernal pools species: wood frogs (*Rana sylvatica*), mole salamanders (*Ambystoma* spp), and fairy shrimp (*Eubranchipus* spp) has been documented **OR** for which evidence of two or more of the following facultative organisms: caddisfly (*Trichoptera*) larvae casings, fingernail clams (*Sphaeriidae*), or amphibious snails (*Basammatophora*) and evidence that the pool does not contain an established reproducing fish population has been documented. Vernal pool habitat is the seasonal pool depression, seasonal pool envelope (100 FT radius from the pool edge) and seasonal pool terrestrial habitat (200 FT radius from the pool edge).

⁶ **Special Aquatic Sites:** Include inland & saltmarsh wetlands, mud flats, vegetated shallows, coral reefs, and riffle & pool complexes. (40 CFR 230)

⁷ **Proactive Restoration:** The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former wetland (called re-establishment) or a degraded wetland (called rehabilitation). Restoration means the result of actions which, in the opinion of the Federal and State resource agencies, reinstates, or will reinstate, insofar as possible, the functions and values of a wetland which has been altered. Restoration is the re-creation or rehabilitation of wetland ecosystems whose natural functions have been destroyed or impaired.

⁸ **Maintenance:** In accordance with 33 CFR 323.4(a)(2), any discharge of dredged or fill material that may result from any of the following activities is not prohibited by or otherwise subject to regulation under Section 404 of the CWA: "Maintenance, including emergency reconstruction of recently damaged parts, of currently serviceable structures such as dikes, dams, levees, groins, riprap, breakwaters, causeways, bridge abutments or approaches, and transportation structures. Maintenance does not include any modification that changes the character, scope, or size of the original fill design." (This could include replacement work if it meets this definition, and stream crossings typically must be an exact replica crossing in the same footprint to qualify.) Otherwise, the following work is regulated and subject to the Category 1 or 2 thresholds above in Appendix A. The repair, rehabilitation, or replacement of any previously authorized, currently serviceable structure or fill, or of any currently serviceable structure or fill authorized by 33 CFR 330.3 - "Activities occurring before certain dates," provided that the structure or fill is not to be put to uses differing from those uses specified or contemplated for it in the original permit or the most recently authorized modification. Minor deviations in the structure's configuration or filled area, including those due to changes in materials, construction techniques, or current construction codes or safety standards that are necessary to make the repair, rehabilitation, or replacement are authorized. Currently serviceable means useable as is or with some maintenance, but not so degraded as to essentially require reconstruction. Only structures or fills that were previously authorized and are in compliance with the terms and condition of the original authorization can be maintained as a non-regulated activity under 33 CFR 323.4(a)(2), or in accordance with the Category 1 or 2 thresholds in Appendix A. Note: The State's maintenance provisions may differ from the Corps and may require reporting and written authorization from the State. Maintenance and replacements of stream crossings: An existing stream crossing must be authorized, serviceable, and in compliance with all conditions of its authorization(s) to qualify for maintenance that is not prohibited by or otherwise subject to regulation under Section 404 of the CWA. See 33 CFR 323.4(a)(2). Proponents are encouraged to contact the Corps for guidance.

⁹ **Federal Navigation Projects (FNPs):** FNPs are comprised of Federal channels and Federal anchorages. Contact the Corps for their location and information.

Horizontal Limits: The outer edge of an FNP. **Buffer Zone:** Equal to three times the authorized depth of that channel.

¹⁰ **Maintenance Dredging.** Includes areas and depths previously dredged with Corps authorization. **New Dredging:** Includes dredging proposed in previously un-dredged areas and/or wider than previously authorized dredged excluding normal over-dredge. **Improvement Dredging:** Includes dredging in areas exceeding previously authorized depths.

DEFINITIONS

Waters of the United States is a broader term than navigable waters of the United States defined above. This term includes navigable waters and all their tributaries, adjacent wetlands and other waters or wetlands where degradation or destruction could affect interstate or foreign commerce. Permits are required for the discharge of dredged or fill material in these waters pursuant to Section 404 of the Clean Water Act.

Navigable Waters of the United States are those waters of the United States that are subject to the ebb and flow of the tide shoreward to the mean high water line and/or those waters that are presently used, or have been used in the past or may be susceptible to use for interstate or foreign commerce. These are waters that are navigable in the traditional sense. Permits are required in these waters pursuant to Section 10 of the Rivers and Harbors Act. This term should not be confused with the term *waters of the United States* (above).

High Tide Line: The line of intersection of the land with the water's surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line or oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore or berm, other physical markings or characteristics, vegetation lines, tidal gages, or other suitable means that delineate the general height reached by a rising tide. The line encompasses spring high tides and other high tides that would occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water against a coast by strong winds such as those accompanying a hurricane or other intense storm.

Ordinary High Water Line, with respect to non-tidal waters, is the line on shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed upon the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.

Appendix B: Contacts and Tribal Areas of Interest

1. FEDERAL

U.S. Army Corps of Engineers

New England District, Regulatory Division
696 Virginia Road
Concord, Massachusetts 01742-2751
(800) 343-4789 or (978) 318-8335
(978) 318-8303 fax

U.S. Environmental Protection Agency

U.S. Environmental Protection Agency, Region I
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
(617) 918-1397

Federal Endangered Species

U.S. Fish and Wildlife Service
50 Bend Road
Charlestown, Rhode Island 02813
(401) 364-9124

National Marine Fisheries Service
55 Great Republic Drive
Gloucester, Massachusetts 01930

Bridge Permits

Commander (obr)
First Coast Guard District
One South Street - Battery Bldg
New York, New York 10004
(212) 668-7021

2. STATE

RI Department of Environmental Management
Water Resources/Freshwater Wetlands
235 Promenade Street
Providence, Rhode Island 02908
(401) 222-6820
(401) 222-3564 (fax)

State Endangered Species

RI Natural History Survey
P.O. Box 1858
Kingston, Rhode Island 02881
(401) 874-5800

RI Coastal Resources Management Council
Oliver Stedman Government Center
4808 Tower Hill Road Wakefield, Rhode Island
Wakefield, Rhode Island 02879-1900
(401) 783-3370
(401) 783-3767 (fax)

3. HISTORIC RESOURCES

Rhode Island Historical Preservation & Heritage Commission
150 Benefit Street
Providence, Rhode Island 02908
(401) 222-2678
(401) 222-2968 (fax)

Tribal Historic Preservation Office
Narragansett Tribe
P.O. Box 700
Wyoming, Rhode Island 02898
(401) 539-1190
(401) 742-5048 (cell)
(401) 539-4217 (fax)

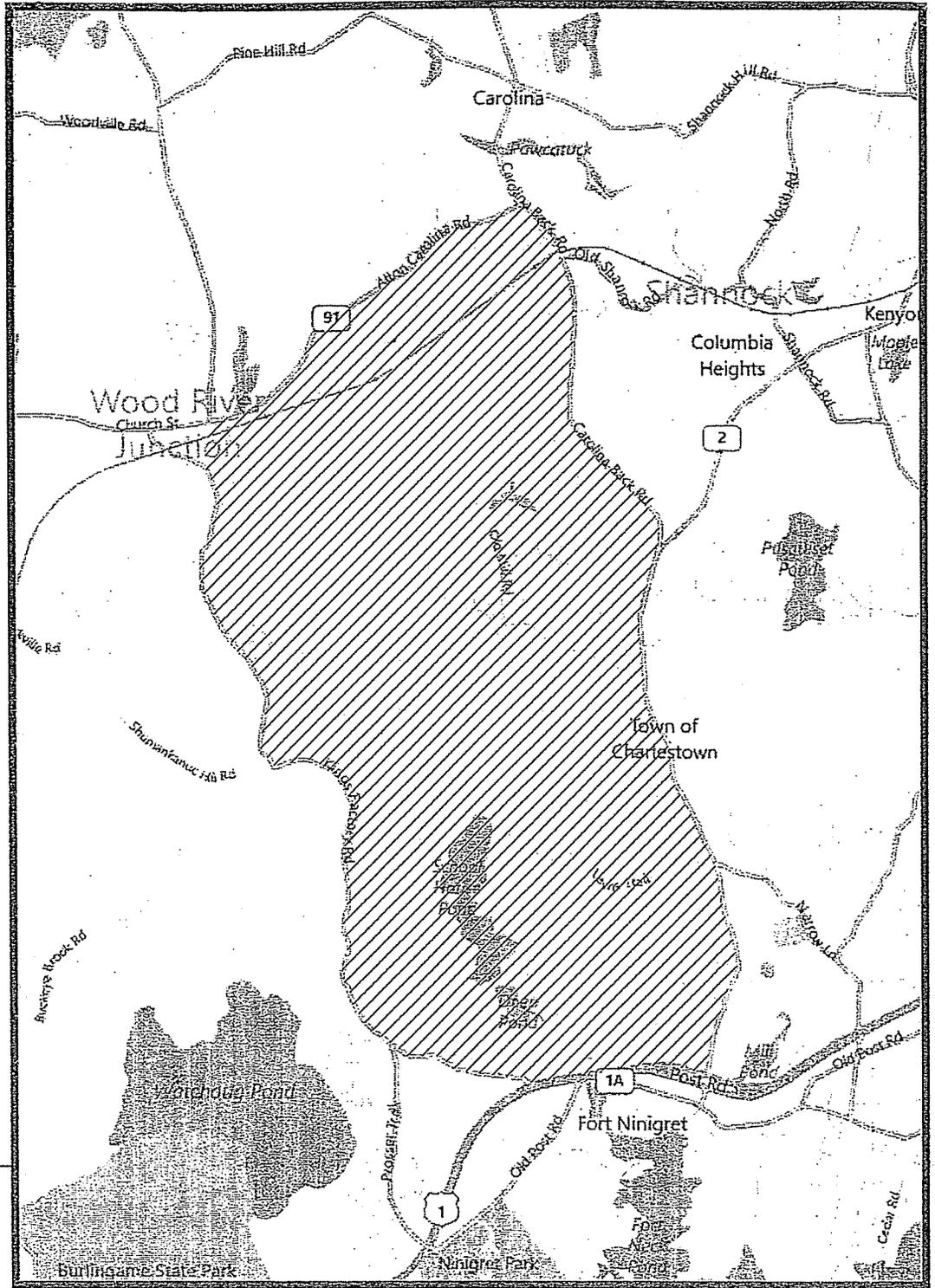
Tribal Historic Preservation Office
Wampanoag Tribe of Gay Head (Aquinnah)
20 Black Brook Road
Aquinnah, Massachusetts 02535-1546
(508) 645-9265 (phone); (508) 645-3790 (fax)
Area of Concern: Barrington, Bristol, Central Falls, Cumberland, East Providence, Lincoln, Little Compton, Middletown, Newport, Pawtucket, Portsmouth, Tiverton, Warren, Woonsocket.

Tribal Resources

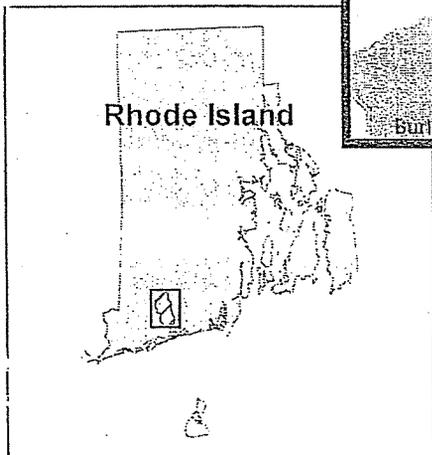
Narragansett Indian Land and Water Resource Commission
P.O. Box 700
Wyoming, Rhode Island 02898
(401) 539-1190 (phone); (401) 364-3977 (fax)

4. ORGANIZATIONAL WEBSITES:

Army Corps of Engineers	www.nae.usace.army.mil/reg/index.htm
Army Corps of Engineers Headquarters	www.usace.army.mil
Environmental Protection Agency	www.epa.gov/owow/wetlands/
National Marine Fisheries Service	www.nmfs.noaa.gov
U.S. Fish and Wildlife Service	www.fws.gov
National Park Service	www.nps.gov/rivers/index.html
RI Dept. of Environmental Management	www.dem.ri.gov
RI CRMC	www.crmc.ri.gov
RI Division of Fish and Wildlife	www.dem.ri.gov/programs/bnatres/fishwild/index.htm
RI Historic Preservation & Heritage Comm	www.rihphc.state.ri.us
RI GIS	www.planning.ri.gov/gis/gishome.htm
RI Natural History Survey	www.rinhs.org
Narragansett Tribe	www.narragansetttribe.com
Wampanoag Tribe	www.wampanoagtribe.net



Roadway Basemap Courtesy of BING Maps 2012



Rhode Island

 Narragansett Indian Land Claim