

RHODE ISLAND ARMY NATIONAL GUARD



PLAN OF PROPOSED

CAMP FOGARTY CULVERT REPLACEMENT

ASSESSOR'S PLAT 18 LOT 16
EAST GREENWICH, RHODE ISLAND

RIDEM REQUEST FOR PRELIMINARY DETERMINATION SUBMISSION

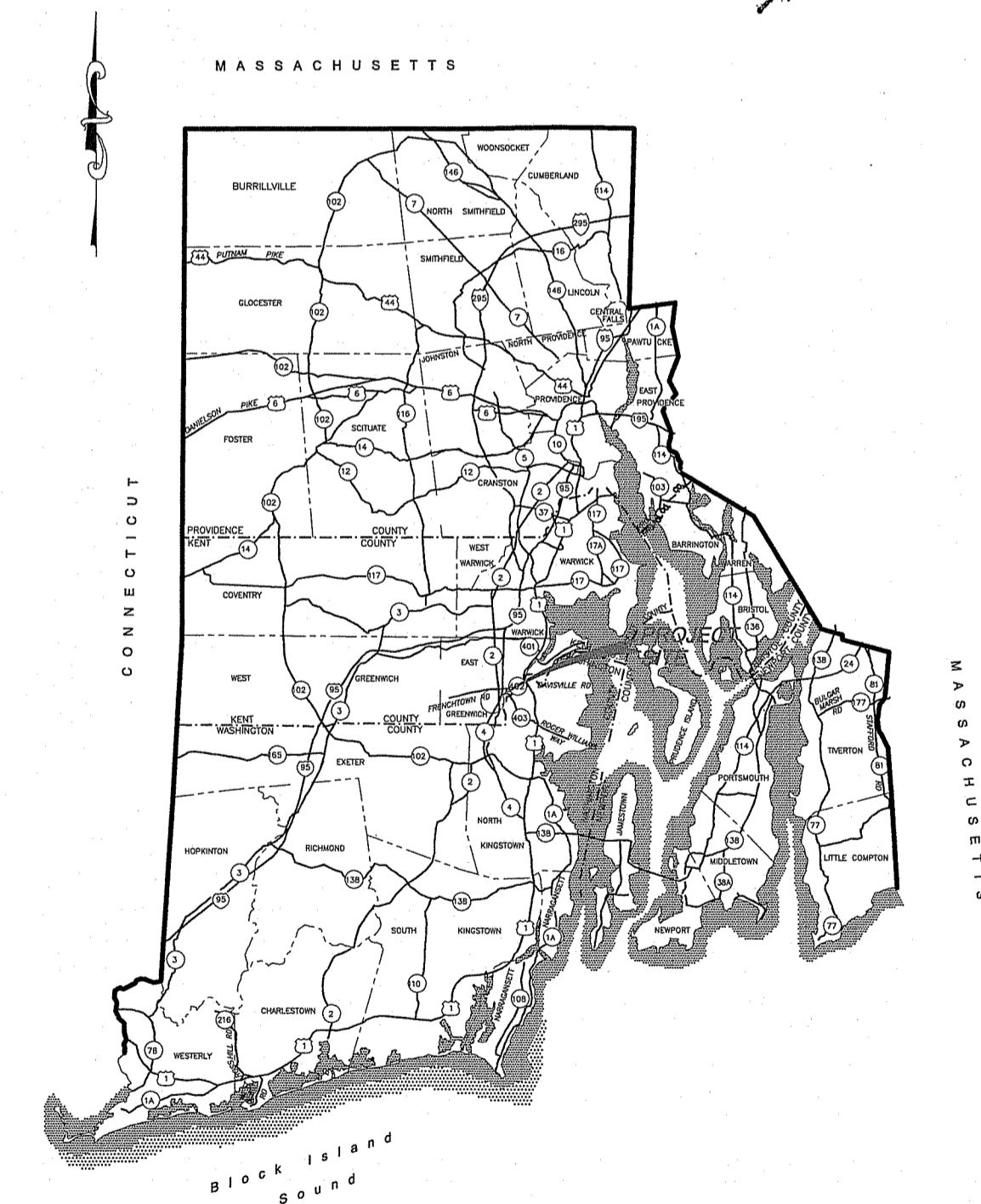
CONSTRUCTION & FACILITIES MANAGEMENT OFFICE
PROVIDENCE COUNTY
STATE OF RHODE ISLAND

FEBRUARY 2019

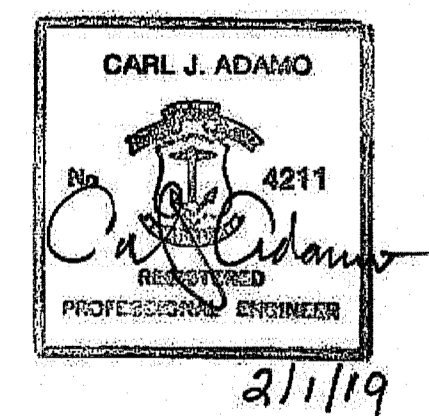
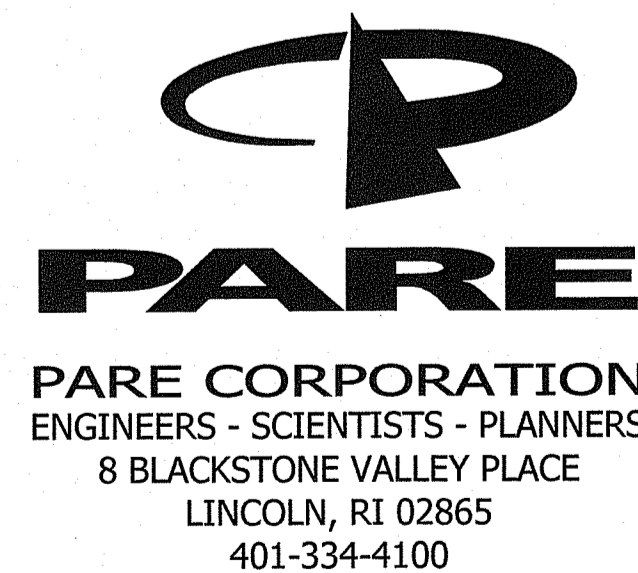
LIST OF DRAWINGS

SHEET No.	DRAWING No.	TITLE
1		COVER SHEET
2	C1.0	PLAN SYMBOLS, NOTES & LEGEND
3	C2.0	GENERAL PLAN
4	C3.0	DETAILS
5		EXISTING CONDITIONS PLAN
6	H1.0	WATER SURFACE ELEVATION PLAN (FOR PERMITTING)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 11 2019 FILE # 19-0037
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wenzel

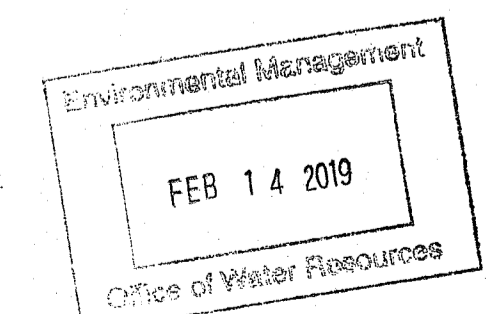


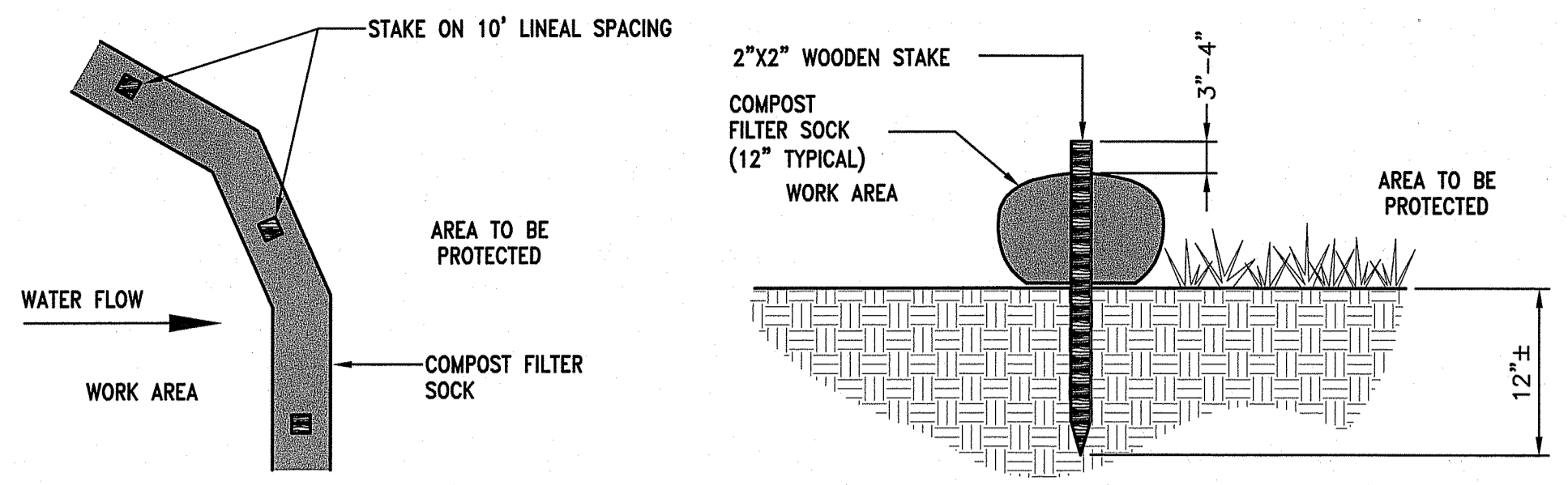
LOCATION MAP
NOT TO SCALE



R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

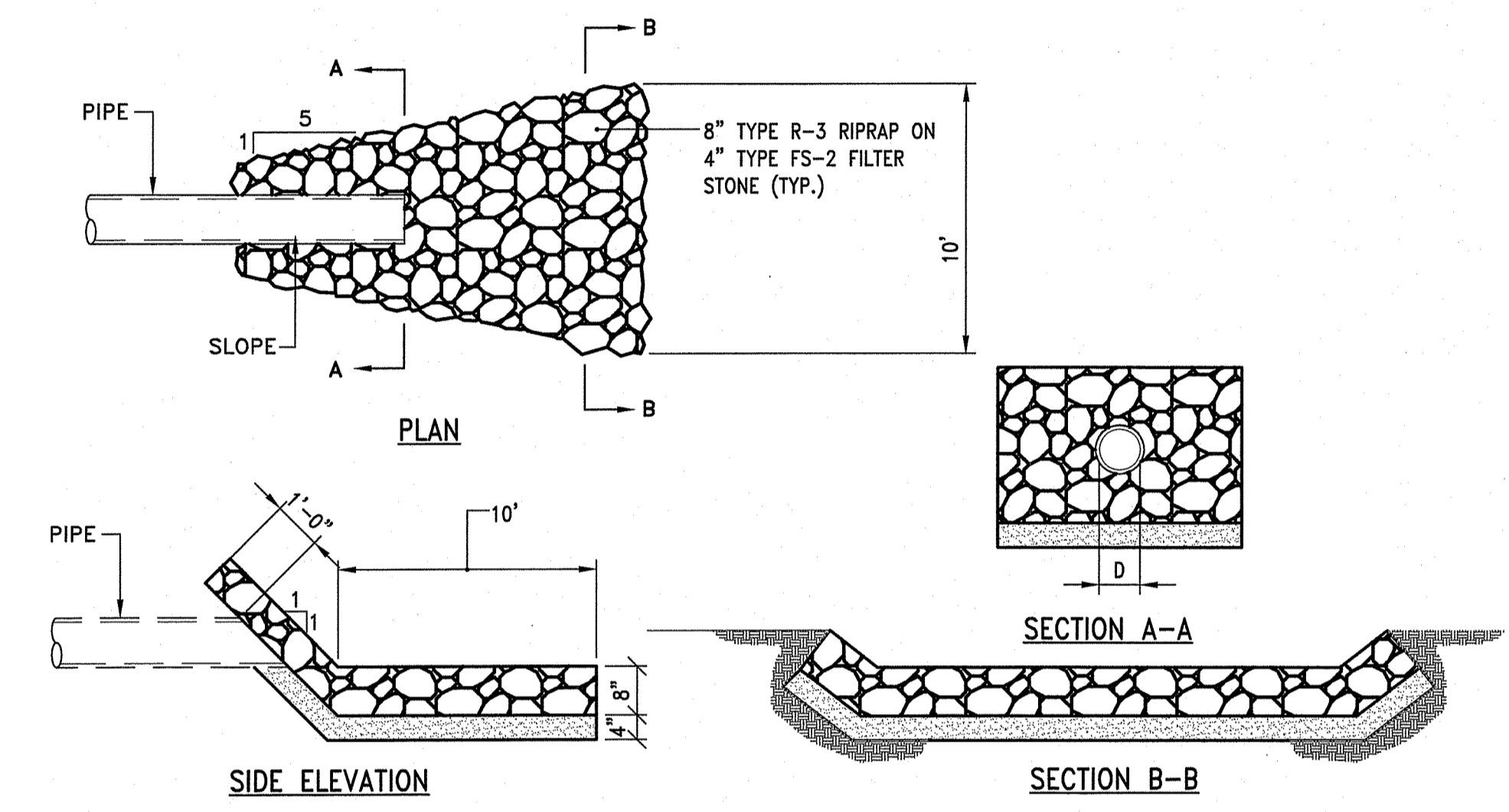
SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, LATEST EDITION, WITH ALL REVISIONS.



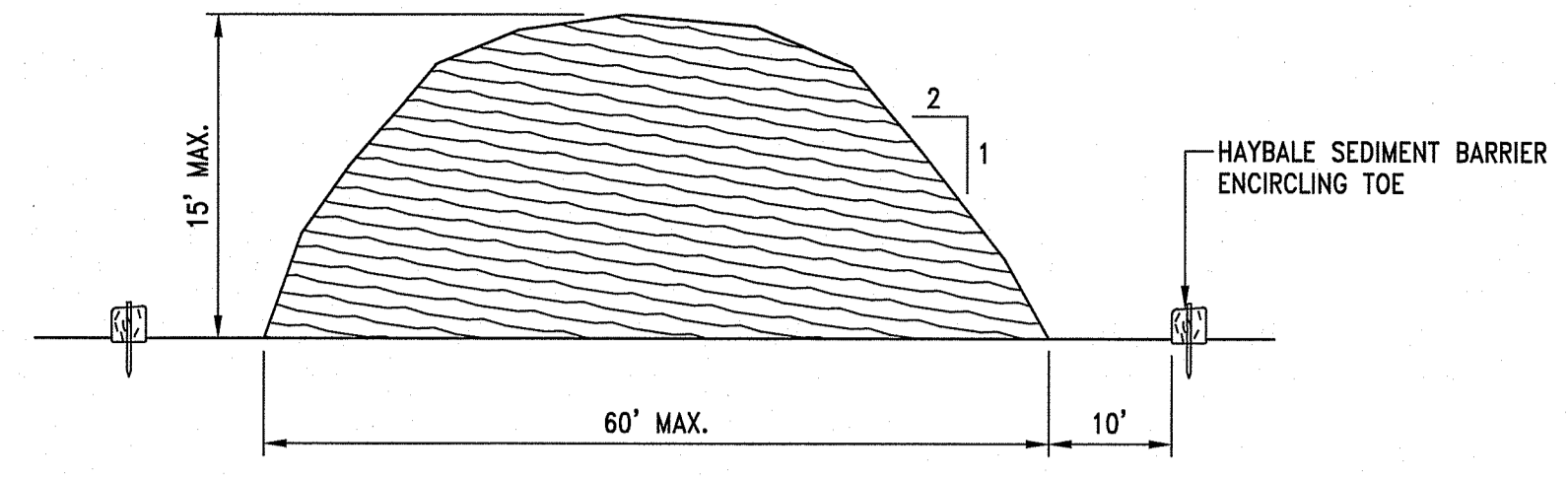


1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.

COMPOST FILTER SOCK DETAIL
NOT TO SCALE

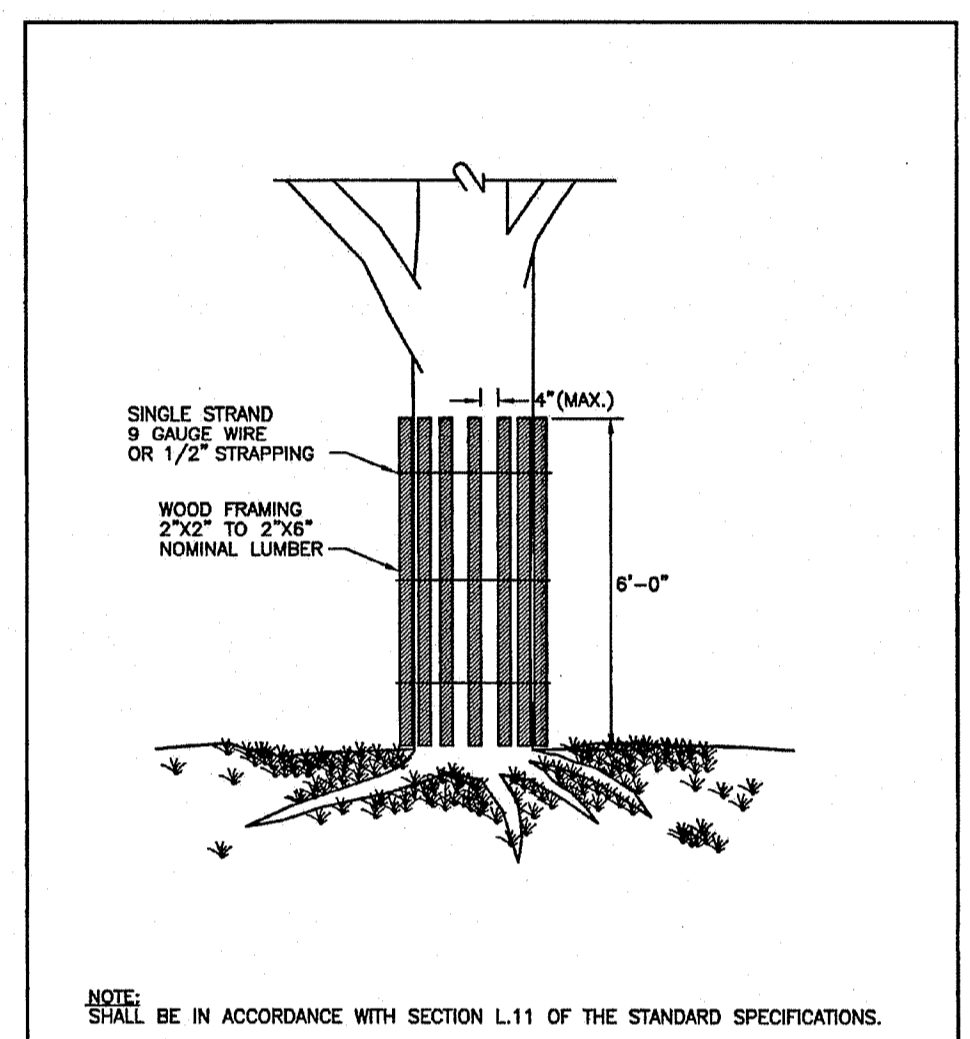


RIPRAP SCOUR PAD
NOT TO SCALE



- NOTES:**
1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.
 2. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
 3. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION IMMEDIATELY FOLLOWING PLACEMENT.

ERODIBLE MATERIAL STOCKPILE
NOT TO SCALE



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

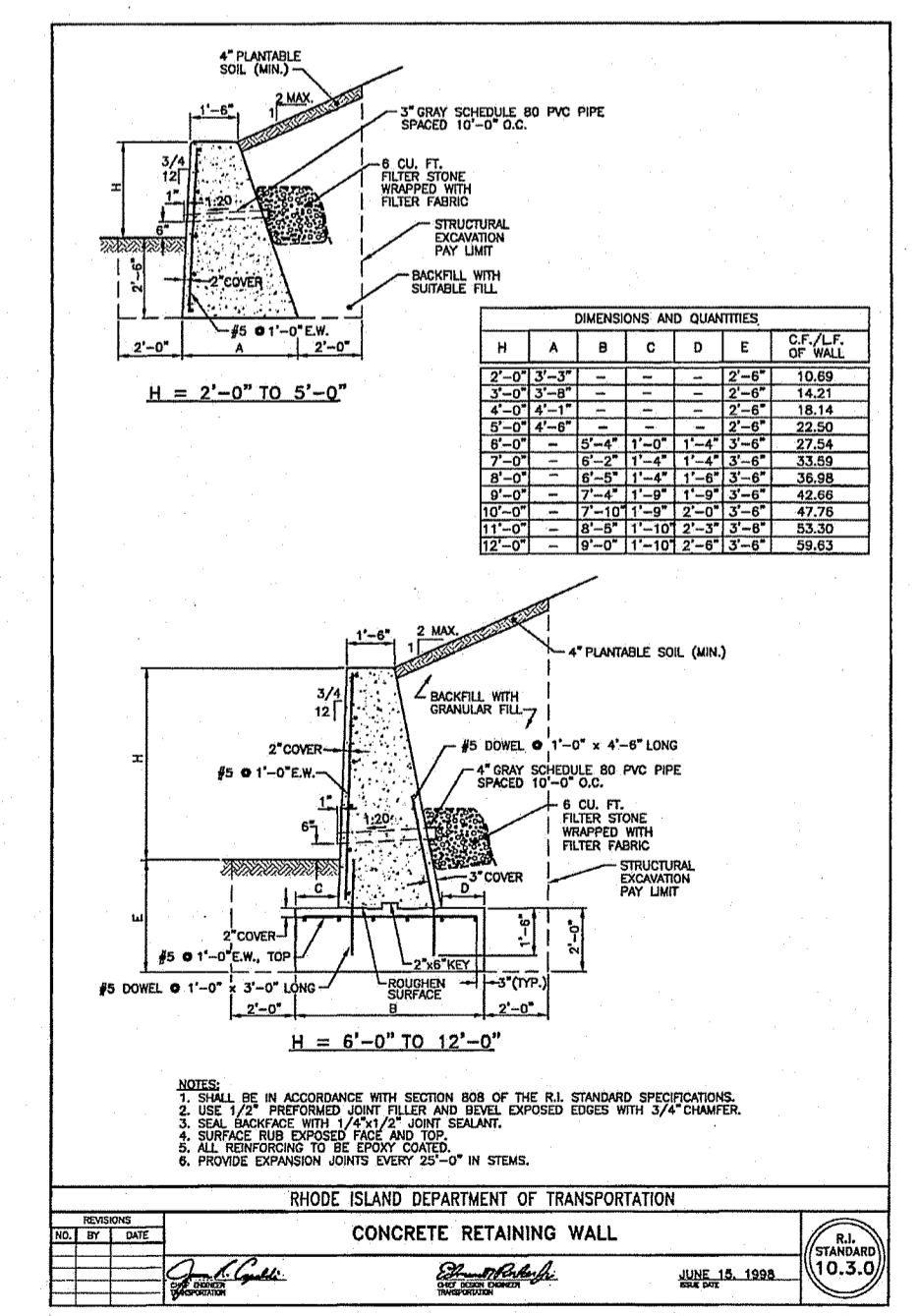
TREE PROTECTION DEVICE

NO.	BY	DATE
1	J. J. Adams	JUNE 15, 1999

DATE: JUNE 15, 1999

SCALE: AS SHOWN

R.I. STANDARD 511.1.0



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

CONCRETE RETAINING WALL

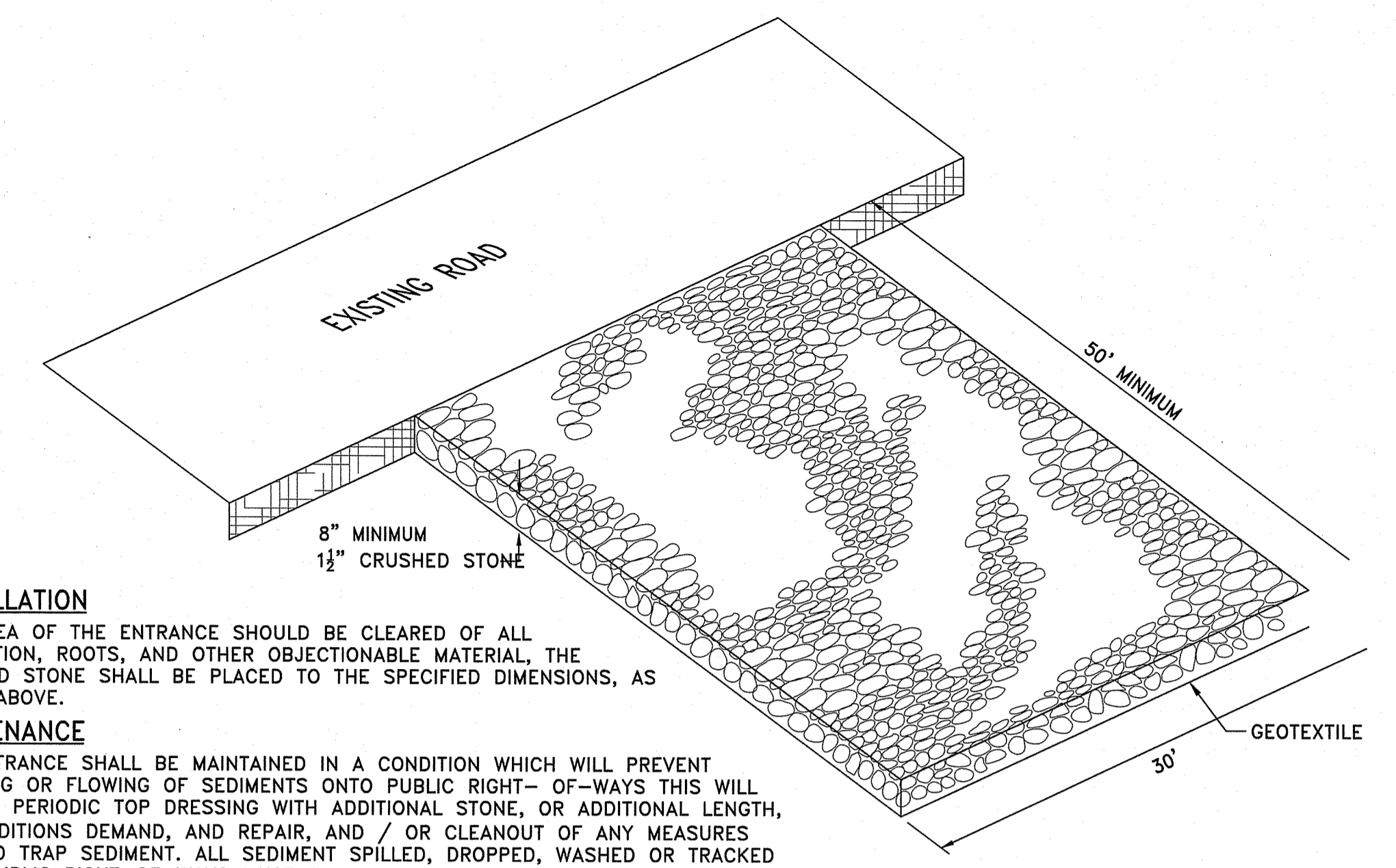
NO.	BY	DATE
1	J. J. Adams	JUNE 15, 1999

DATE: JUNE 15, 1999

SCALE: AS SHOWN

R.I. STANDARD 10.3.0

- NOTES:**
1. DETAIL 10.3.0 SHALL BE USED FOR THE DESIGN OF THE CAST IN PLACE CONCRETE HEADWALL, WITH THE COMBINATION OF DETAIL 2.1.0 FOR THE REBAR AT THE PIPE PERFORATION. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE DESIGN OF THE REINFORCING STEEL.
 2. STREAM BED MATERIAL SHALL BE STOCKPILED AND RESTORED IN AREAS EXCAVATED NEAR EXISTING STREAM BED.

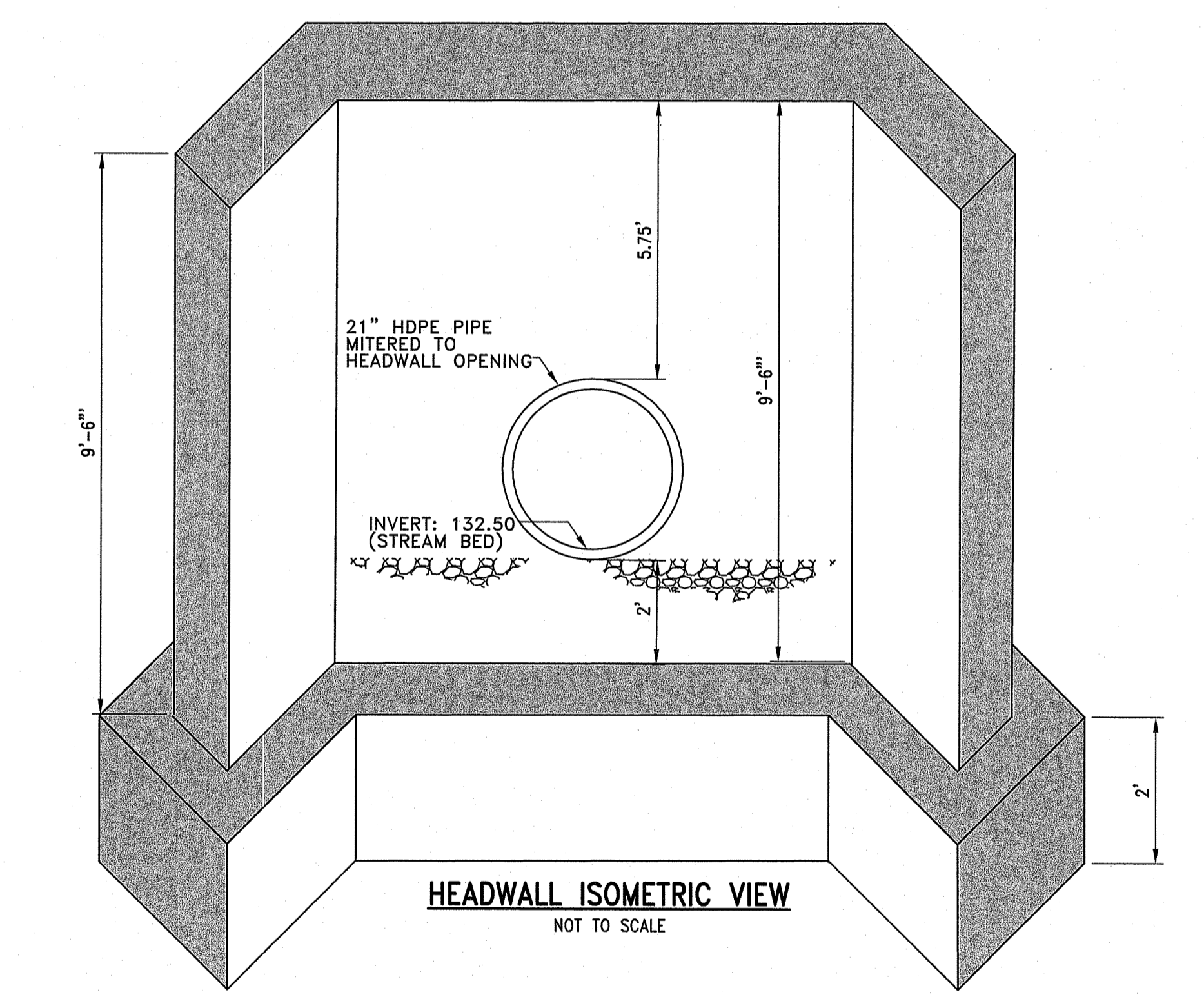


INSTALLATION
THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE CRUSHED STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS, AS NOTED ABOVE.

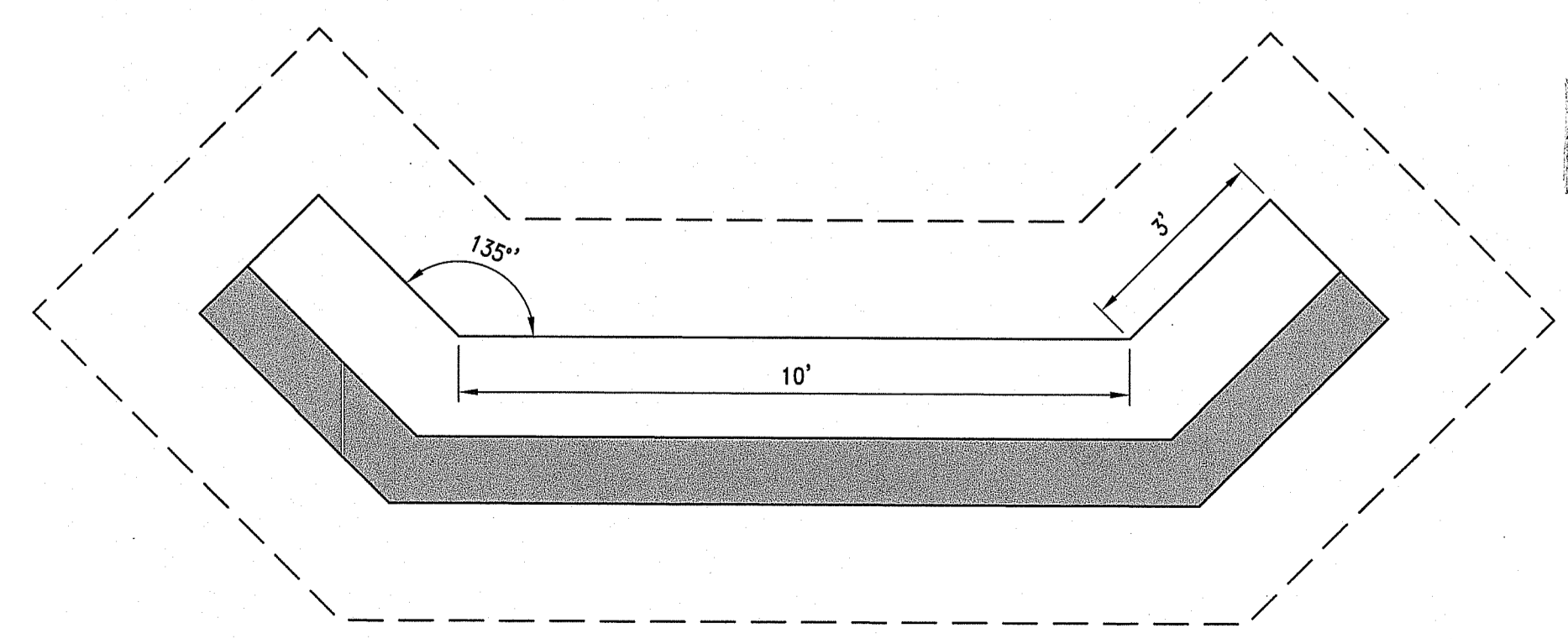
MAINTENANCE
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC RIGHT-OF-WAYS THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE, OR ADDITIONAL LENGTH, AS CONDITIONS DEMAND, AND REPAIR, AND / OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

LOCATION
SEE PROJECT PLANS FOR LOCATION OF CONSTRUCTION ENTRANCE.

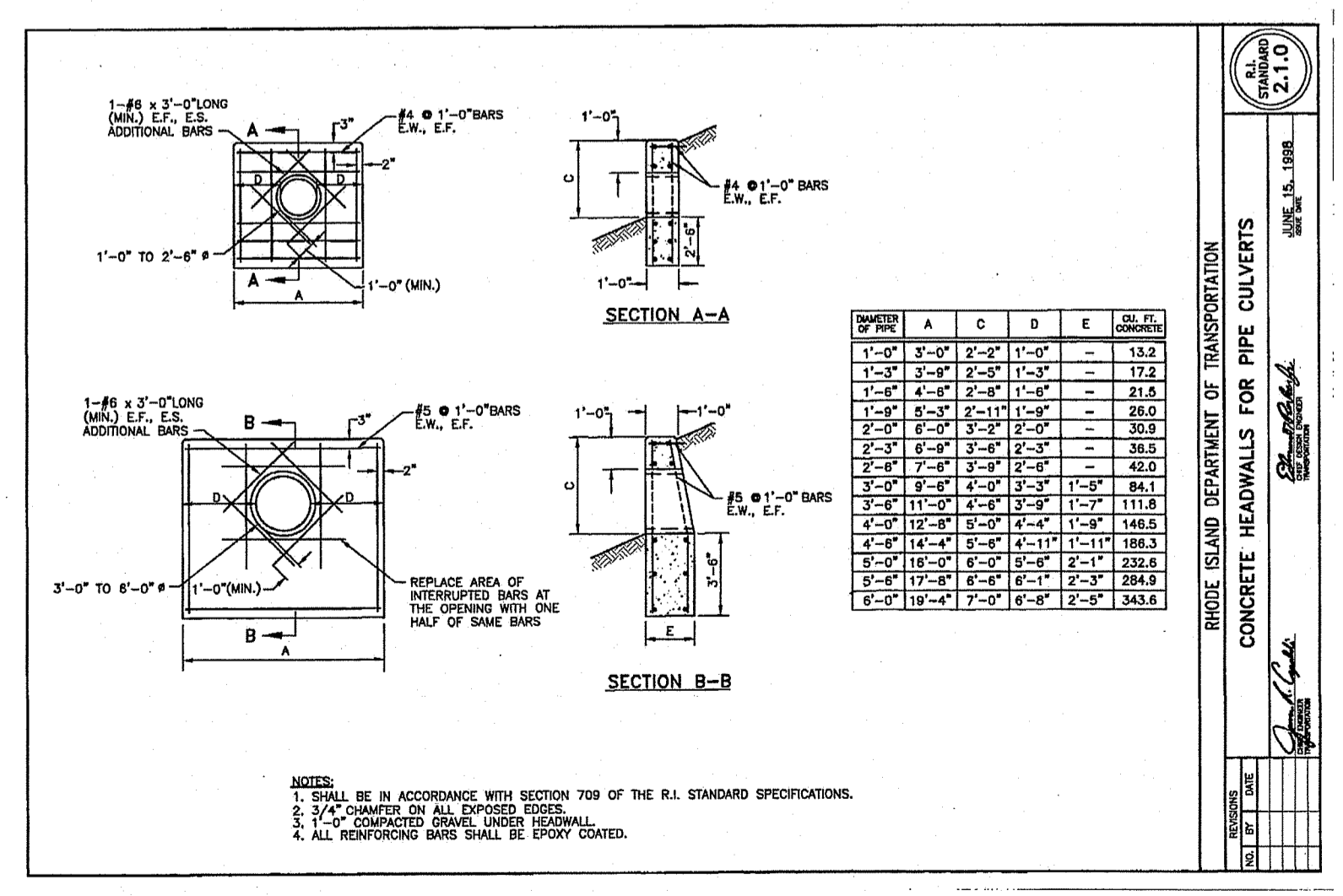
CONSTRUCTION ENTRANCE PROTECTION STONE STABILIZATION PAD
NOT TO SCALE



HEADWALL ISOMETRIC VIEW
NOT TO SCALE



HEADWALL PLAN VIEW
NOT TO SCALE



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

CONCRETE HEADWALLS FOR PIPE CULVERTS

PIPE	A	B	C	D	E	SQ. FT. OF WALL
1'-0"	3'-0"	2'-0"	1'-0"	1'-0"	1'-0"	18.00
1'-6"	3'-6"	2'-6"	1'-6"	1'-6"	1'-6"	21.24
2'-0"	4'-0"	3'-0"	2'-0"	2'-0"	2'-0"	28.80
2'-6"	4'-6"	3'-6"	2'-6"	2'-6"	2'-6"	32.04
3'-0"	5'-0"	4'-0"	3'-0"	3'-0"	3'-0"	39.60
3'-6"	5'-6"	4'-6"	3'-6"	3'-6"	3'-6"	42.84
4'-0"	6'-0"	5'-0"	4'-0"	4'-0"	4'-0"	50.40
4'-6"	6'-6"	5'-6"	4'-6"	4'-6"	4'-6"	53.64
5'-0"	7'-0"	6'-0"	5'-0"	5'-0"	5'-0"	61.20
5'-6"	7'-6"	6'-6"	5'-6"	5'-6"	5'-6"	64.44
6'-0"	8'-0"	7'-0"	6'-0"	6'-0"	6'-0"	72.00

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Jonathan D. Crowell

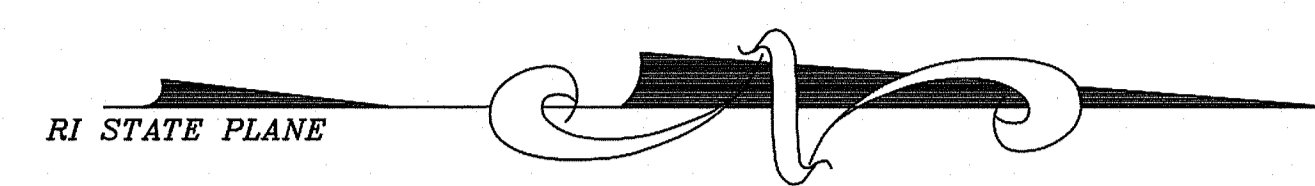
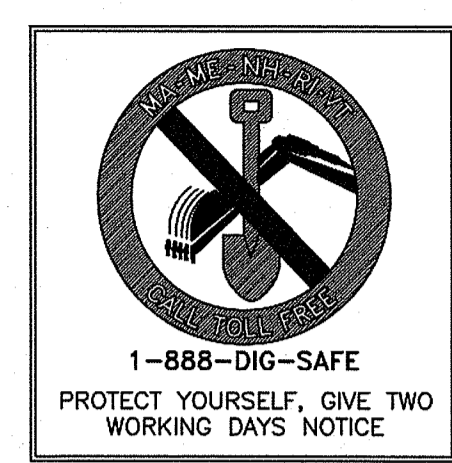
REVISIONS:

NO.	DATE	DESCRIPTION

PROJECT NO.: 18200.00
DATE: FEBRUARY 2019
SCALE: NOT TO SCALE
DESIGNED BY: RJS
CHECKED BY: CJA
DRAWN BY: RJS
APPROVED BY: CJA
DRAWING TITLE:

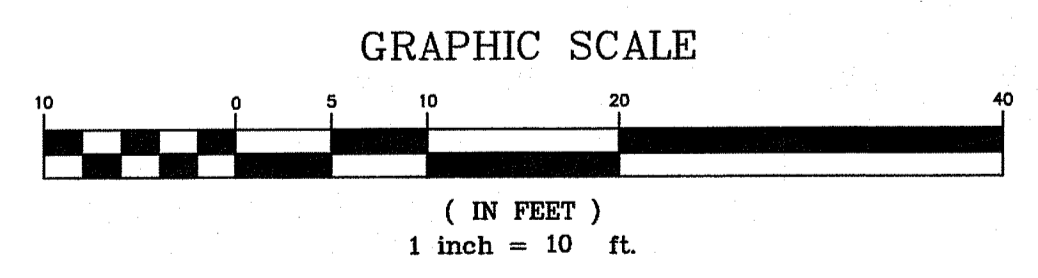
NO.	DATE	DESCRIPTION	BY

Environmental Management
 FEB 14 2019
 Office of Water Resources

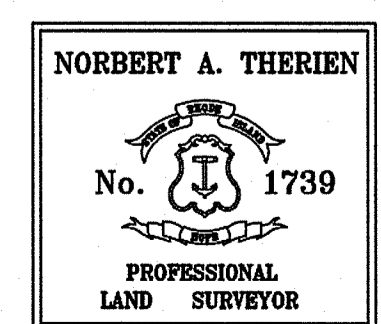


Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

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Christopher D. Swartz



THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATIONS FOR PROFESSIONAL LAND SURVEYORS NOVEMBER 25, 2015 AS FOLLOWS:
 TYPE OF SURVEY: COMPREHENSIVE BOUNDARY SURVEY
 MEASUREMENT SPECIFICATION: CLASS 1 STANDARD
 PURPOSE OF SURVEY: BOUNDARY SURVEY
 BY: NORBERT A. THERIEN, PLS NO. 1739 DATE: _____



NATIONAL
 Surveyors-Developers
 Inc.
 42 Hamlet Ave., Woonsocket, R.I.
 (401) 769-7779

**RIARNG
 CULVERT REPLACEMENT**
 EAST GREENWICH, RHODE ISLAND

EXISTING CONDITIONS

DRAWN BY: J.M.L.	CHECKED BY: N.A.T.	FIELD BY: E.M.
APRIL 2013	JOB No. 1111111	SHEET 5 OF 6

