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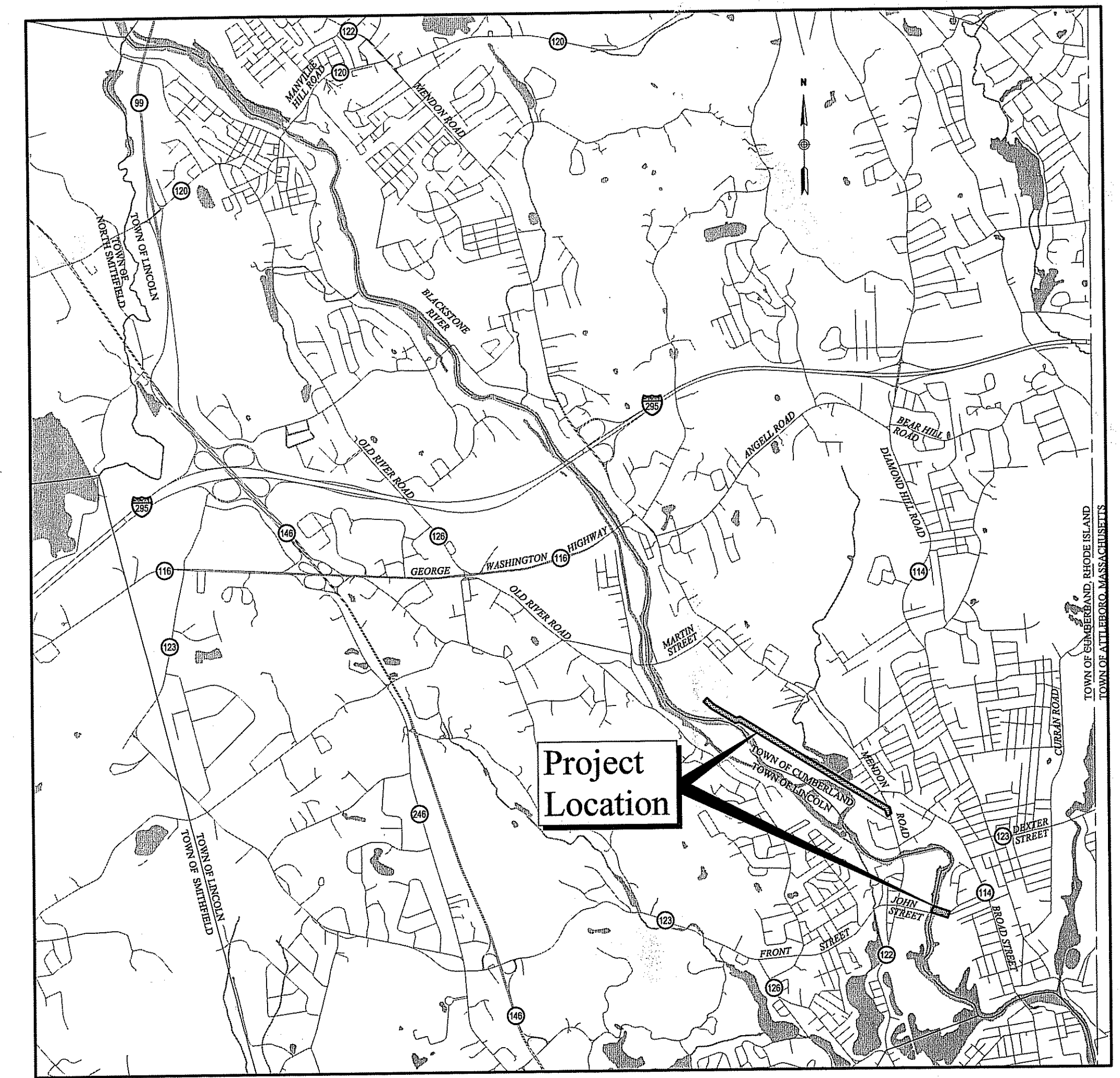
Narragansett Bay Commission

Interceptor Easement Restoration - Blackstone Valley Interceptor

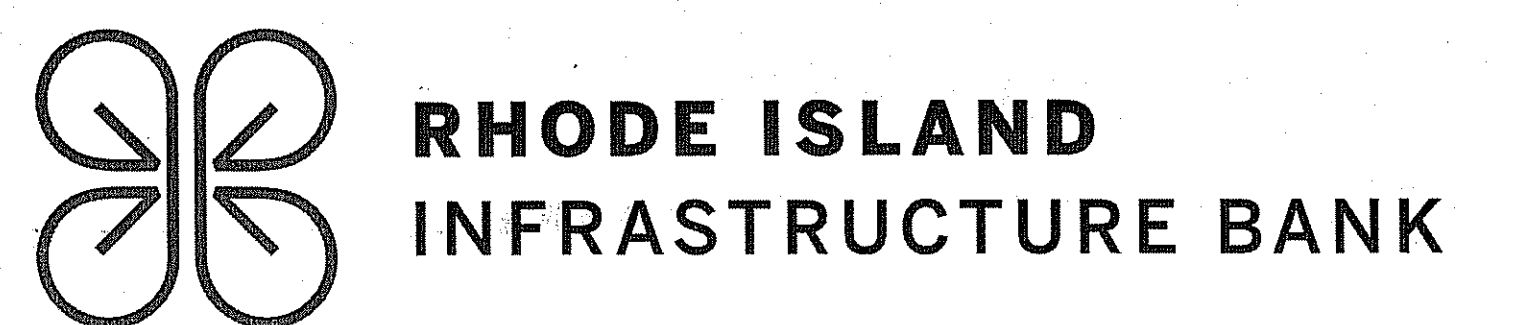
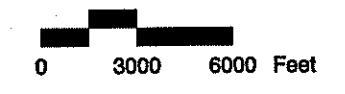
Cumberland, Rhode Island

Contract 305.01

vhb
 1 Cedar Street
 Suite 400
 Providence, RI 02903
 401.272.8100



Site Location Map



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

VINCENT J. MESOLELLA
 RAYMOND J. MARSHALL, P.E.
 PAUL NORDSTROM, P.E.
 THOMAS BRUECKNER, P.E.

CHAIRMAN
 EXECUTIVE DIRECTOR
 DIRECTOR OF OPERATIONS AND ENGINEERING
 ENGINEERING MANAGER

Permit Resubmission
 August 2018

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED ~~NOV 05 2018~~ FILE # ~~18-0136~~
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

AUG 27 2018
 Office of Water Resources

Signature

SCOTT A. D'AMELIO
 No. 6534
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)
 AUGUST 23, 2018

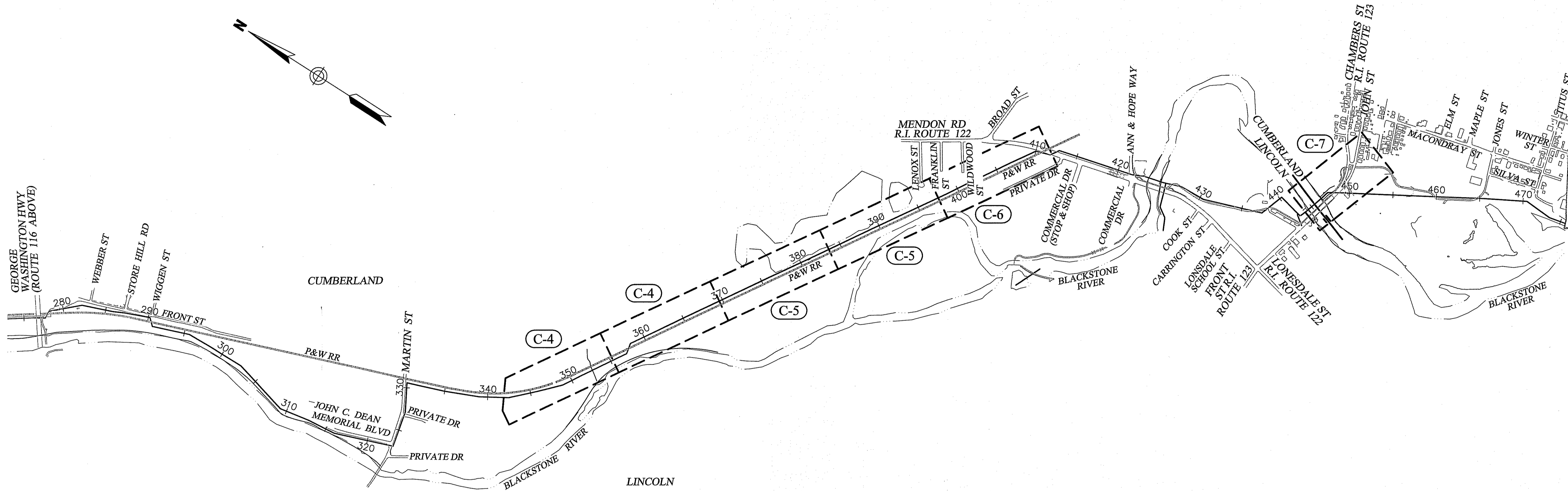
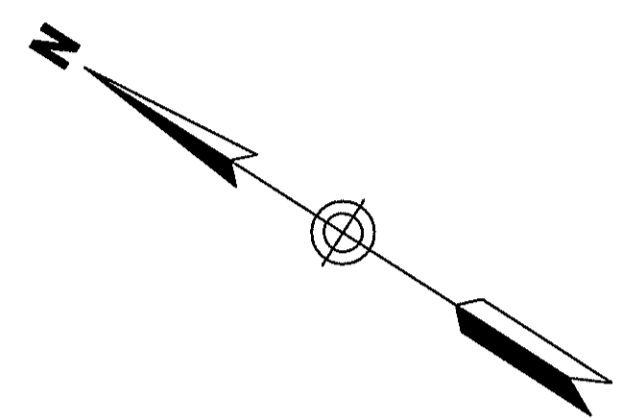
VHIB Project No 72253.00
 Issued for:

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Saved Tuesday, May 29, 2018 10:44:24 AM TIMELO Plotted Tuesday, August 21, 2018 3:39:27 PM Mello, Tony



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Legend:

(X) - Indicates Sheet Number

No.	Revision	Date	Appr.

Interceptor Easement Restoration
Blackstone Valley Interceptor

Cumberland, Rhode Island
Issued for

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Christopher D. Wenzel

Key Plan

Drawing Number

C-3

Sheet 3 of 8

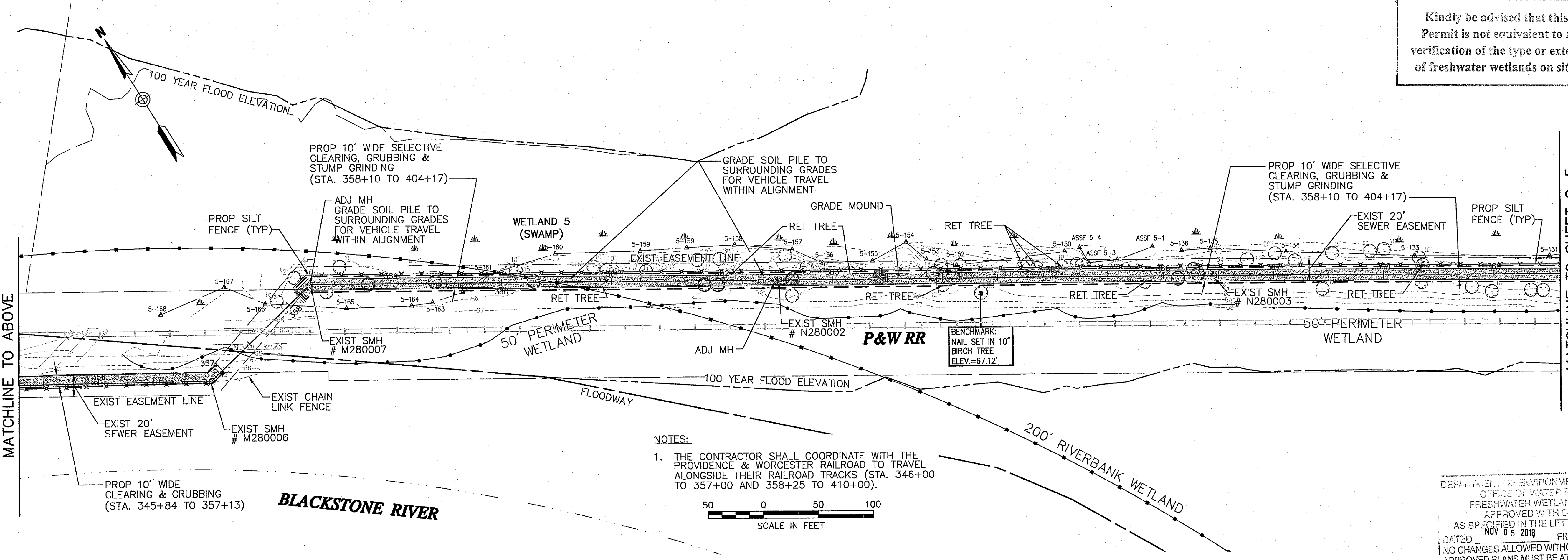
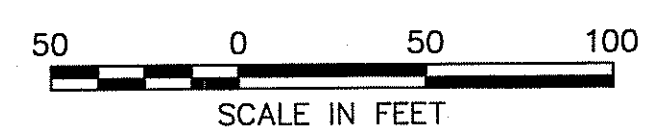
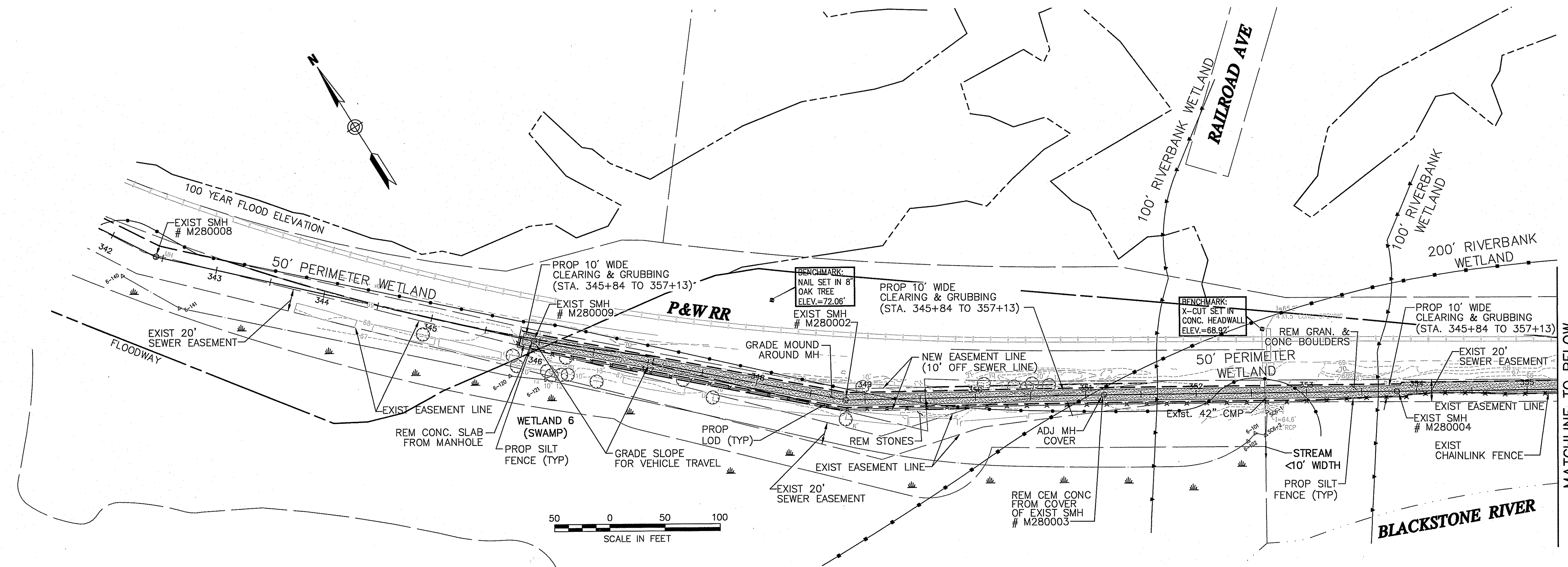
Project Number
72253.00



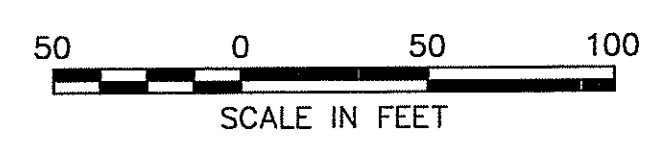
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Legend

- Proposed Silt Fence
- Proposed Pervious Pavement
- Proposed Temp. Construction Access
- Clear, Grub & Stump Grind - Limits
- Selective Clearing- Limits
- Selective Clearing w/ Hand Tools- Limits
- Proposed Boulder Barrier
- Proposed Access Gate
- Existing CLF
- Existing/Proposed Wood Railing
- Existing Stone Wall
- Existing Sewer Line with Manhole
- NBC Manhole Designation
- Existing Building
- Existing Path/Trail/Parking Lot
- Existing Roadway
- Existing/Proposed Contour Line
- Proposed Limit of Disturbance
- Existing/Proposed Easement Line
- Existing Town Layout
- Existing Town Line
- Existing State Highway Layout
- Existing State Freeway Layout
- Property Line
- Surveyed Edge of Waterway
- Approximate Edge of Waterway
- Edge of Wetland/ASSF
- Wetland Flag
- Wetland/Marsh
- 100 Year Floodplain
- 50' Perimeter Wetland
- 100' Riverbank Wetland
- 200' Riverbank Wetland
- Existing/Proposed Tree Line
- Existing P&W Railroad



NOTES:
1. THE CONTRACTOR SHALL COORDINATE WITH THE PROVIDENCE & WORCESTER RAILROAD TO TRAVEL ALONGSIDE THEIR RAILROAD TRACKS (STA. 346+00 TO 357+00 AND 358+25 TO 410+00).



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

No.	Revision	Date	Appr.

Designed by	Drawn by	Checked by
CAD checked by	Approved by	
Scale	As Noted	Date May 2018
Project Title		

**Interceptor Easement Restoration
Blackstone Valley Interceptor**

Cumberland, Rhode Island

Issued for	
Drawing Title	

**Easement Restoration
Plan No. 1**

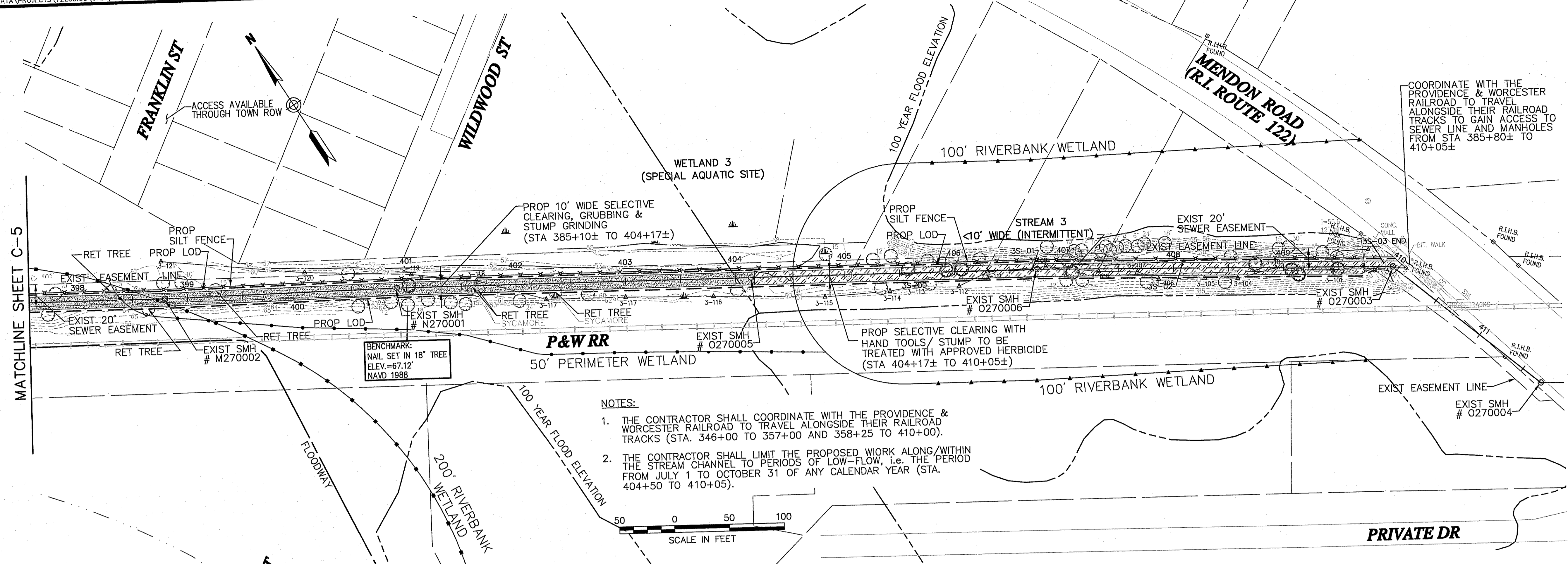
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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Drawing Number
C-4
Sheet of 48
Project Number
72253.00

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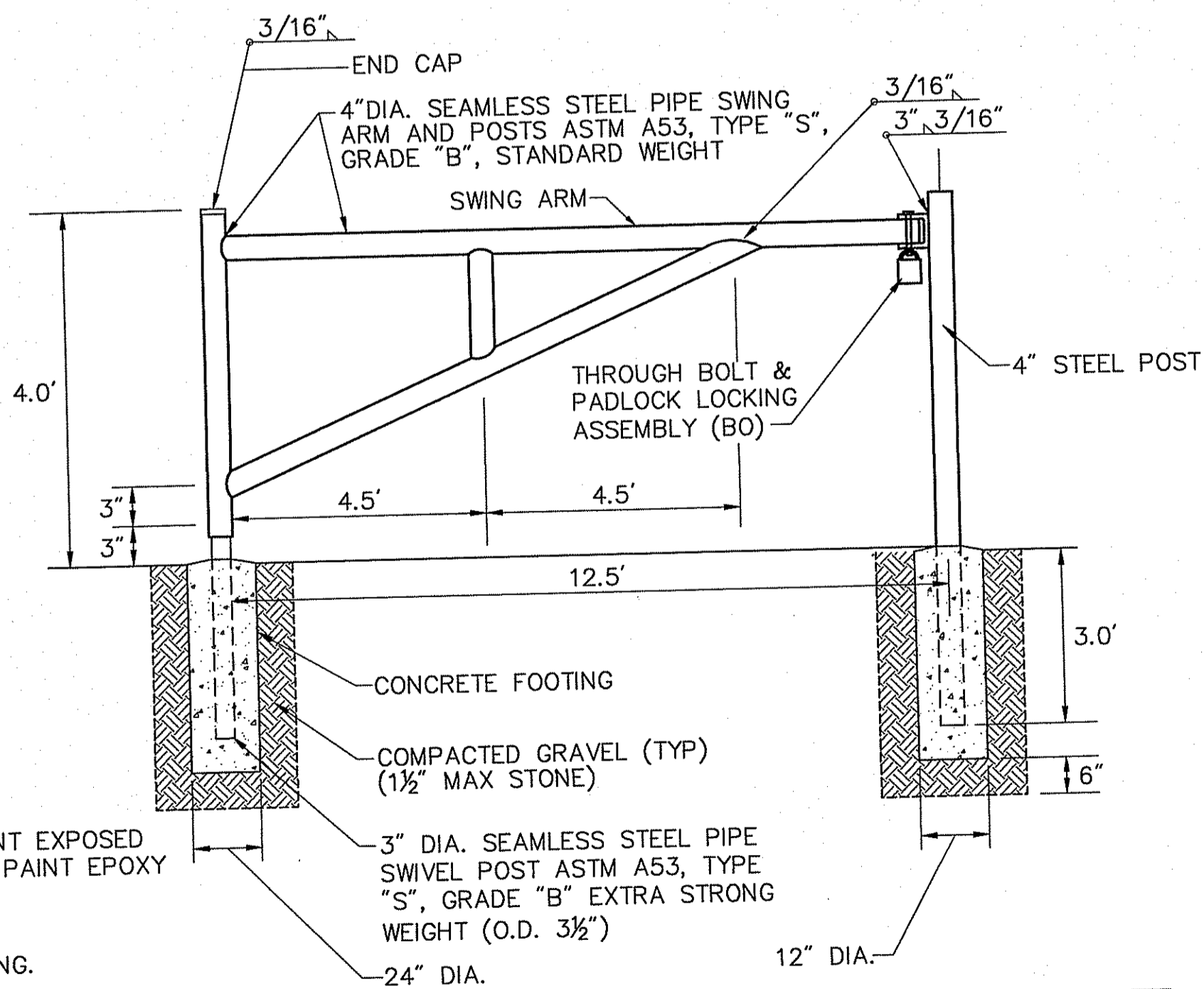
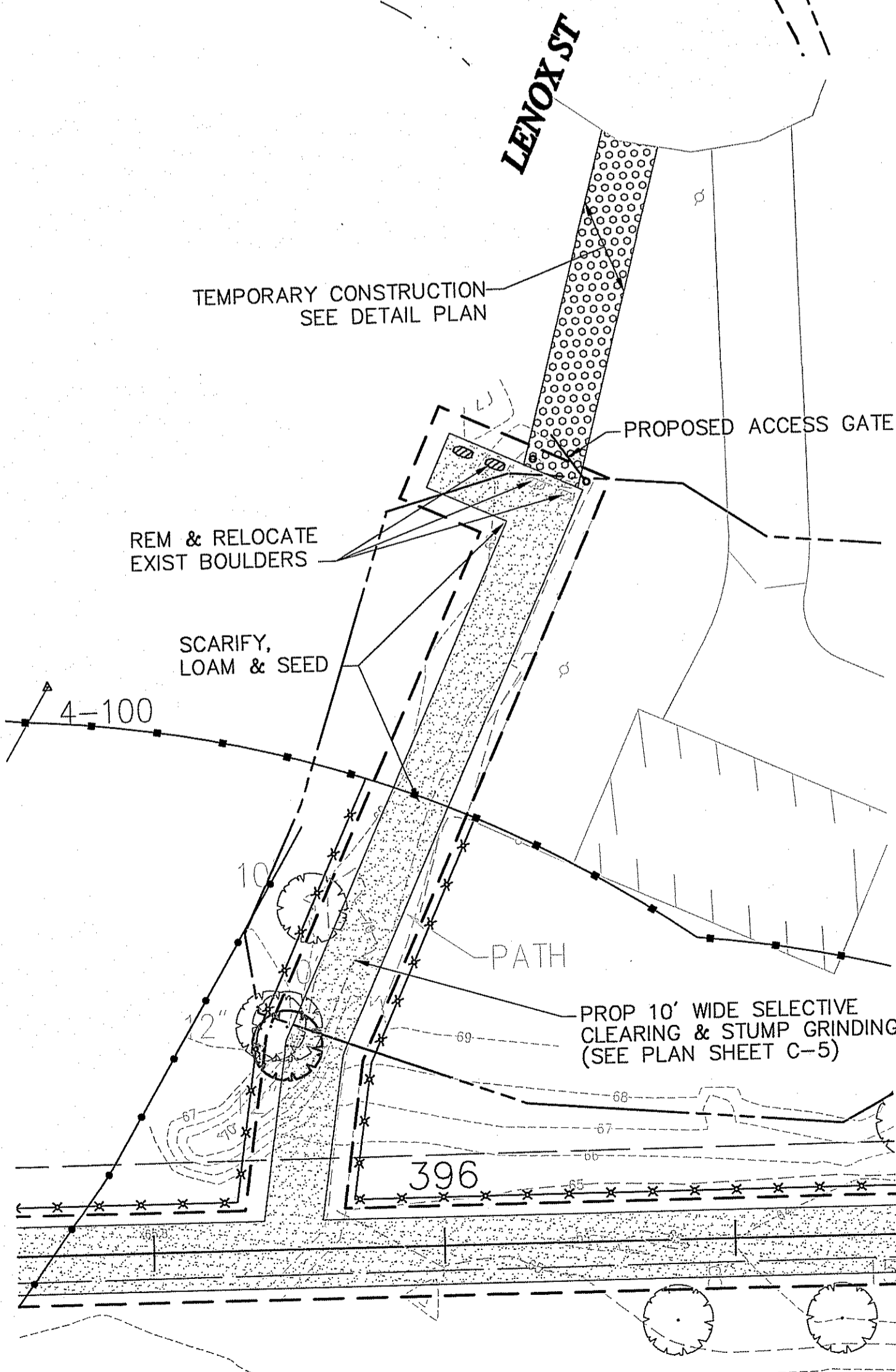
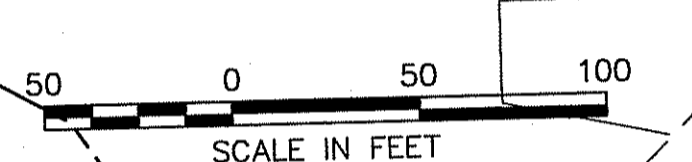


COORDINATE WITH THE PROVIDENCE & WORCESTER RAILROAD TO TRAVEL ALONGSIDE THEIR RAILROAD TRACKS TO GAIN ACCESS TO SEWER LINE AND MANHOLES FROM STA 385+80± TO 410+05±

Legend

	Proposed Silt Fence
	Proposed Pervious Pavement
	Proposed Temp. Construction Access
	Clear, Grub & Stump Grind - Limits
	Selective Clearing - Limits
	Proposed Boulder Barrier
	Proposed Access Gate
	Existing CLF
	Existing/Proposed Wood Railing
	Existing Stone Wall
	Existing Sewer Line with Manhole
	NBC Manhole Designation
	Existing Building
	Existing Path/Trail/Parking Lot
	Existing Roadway
	Existing/Proposed Contour Line
	Proposed Limit of Disturbance
	Existing/Proposed Easement Line
	Existing Town Layout
	Existing Town Line
	Existing State Highway Layout
	Existing State Freeway Layout
	Property Line
	Surveyed Edge of Waterway
	Approximate Edge of Waterway
	Edge of Wetland/ASSF
	Wetland Flag
	Wetland/Marsh
	100 Year Floodplain
	50' Perimeter Wetland
	100' Riverbank Wetland
	200' Riverbank Wetland
	Existing/Proposed Tree Line
	Existing P&W Railroad

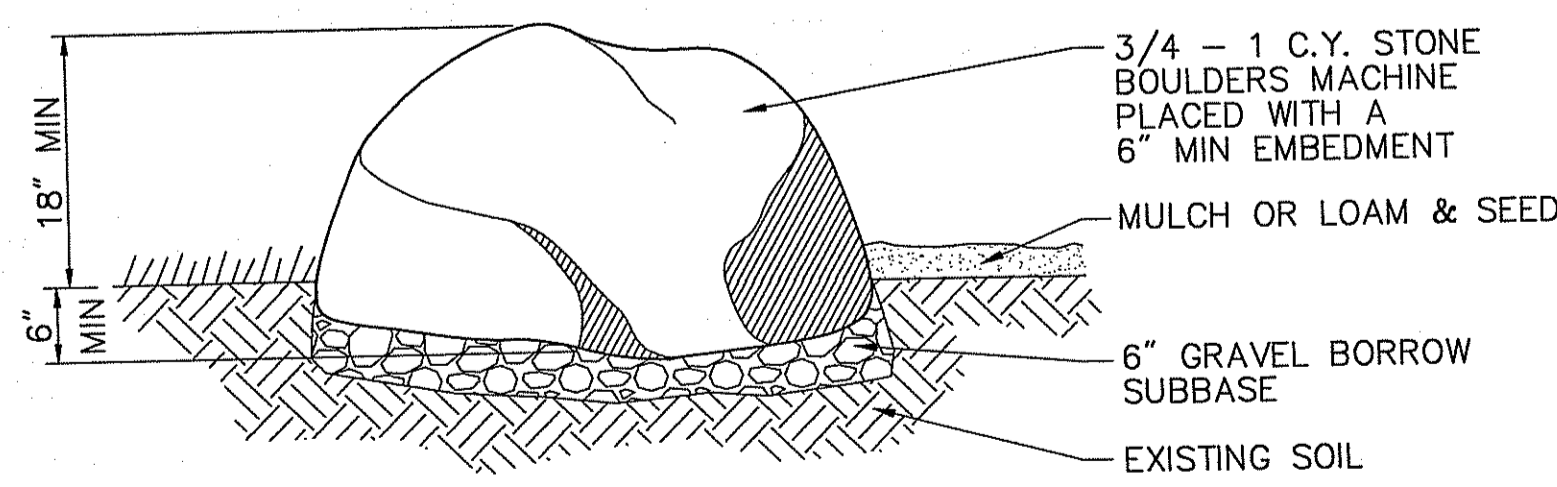
- NOTES:**
1. THE CONTRACTOR SHALL COORDINATE WITH THE PROVIDENCE & WORCESTER RAILROAD TO TRAVEL ALONGSIDE THEIR RAILROAD TRACKS (STA. 346+00 TO 357+00 AND 358+25 TO 410+00).
 2. THE CONTRACTOR SHALL LIMIT THE PROPOSED WORK ALONG/WITHIN THE STREAM CHANNEL TO PERIODS OF LOW-FLOW, I.E. THE PERIOD FROM JULY 1 TO OCTOBER 31 OF ANY CALENDAR YEAR (STA. 404+50 TO 410+05).



- NOTES:**
1. SHOP PRIME PAINT EXPOSED SURFACES FIELD PAINT EPOXY ENAMEL-YELLOW.
 2. 4,000 PSI CONCRETE FOOTING.

ACCESS GATE

SCALE: NTS



NOTE:
TO BE SPACED 6' O.C. WHEN MORE THAN ONE

BOULDER BARRIER

SCALE: NTS

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Jonathan D. Wemel
Cumberland, Rhode Island

No.	Revision	Date	Appr.

**Interceptor Easement Restoration
Blackstone Valley Interceptor**

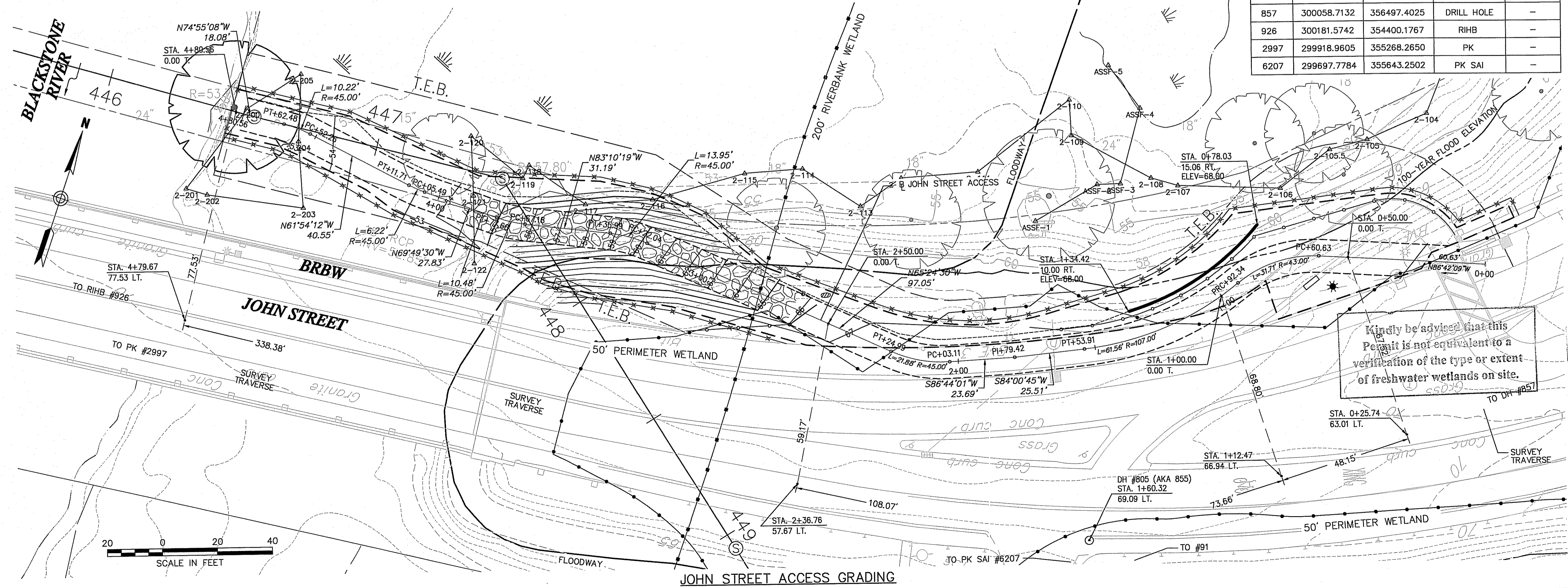
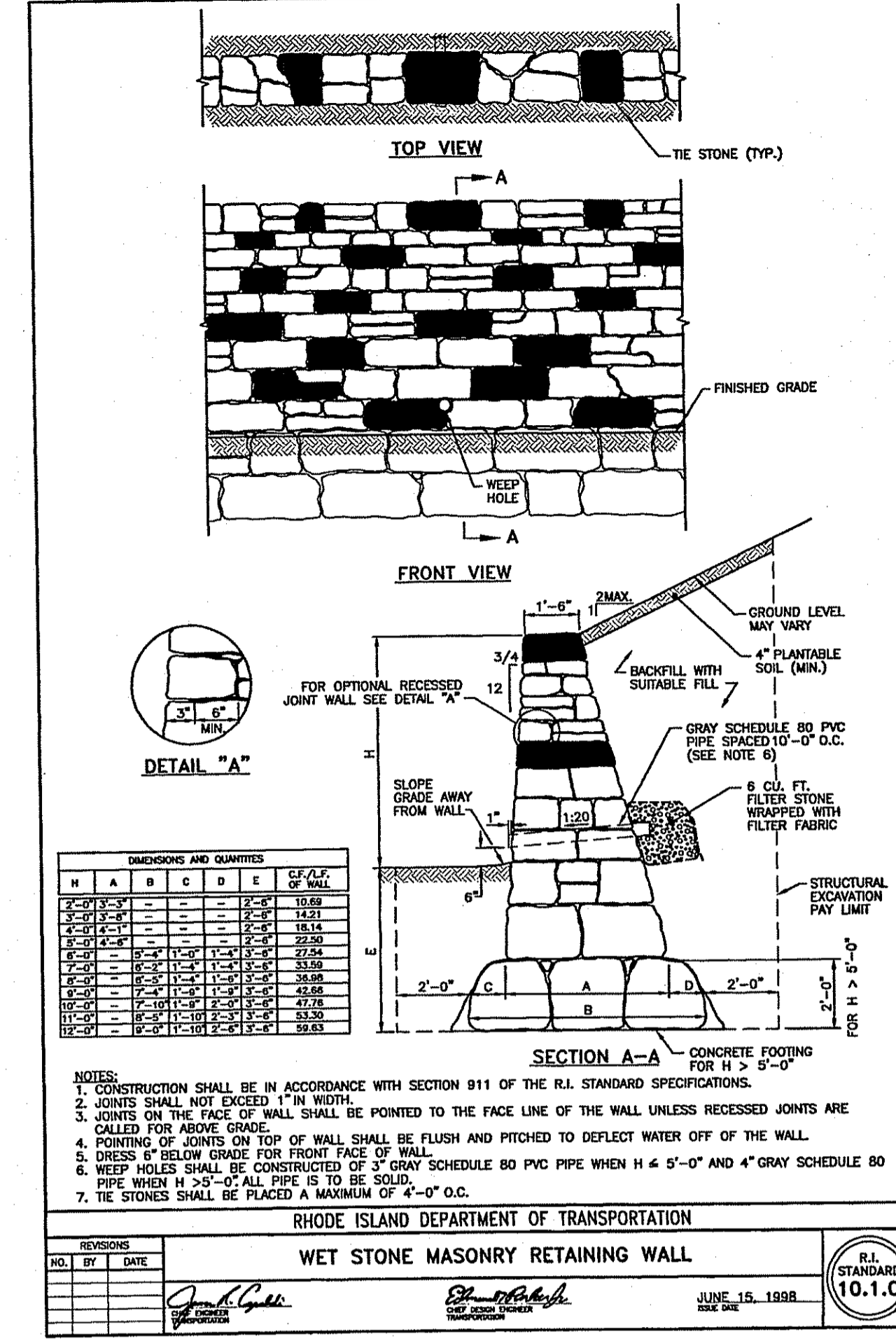
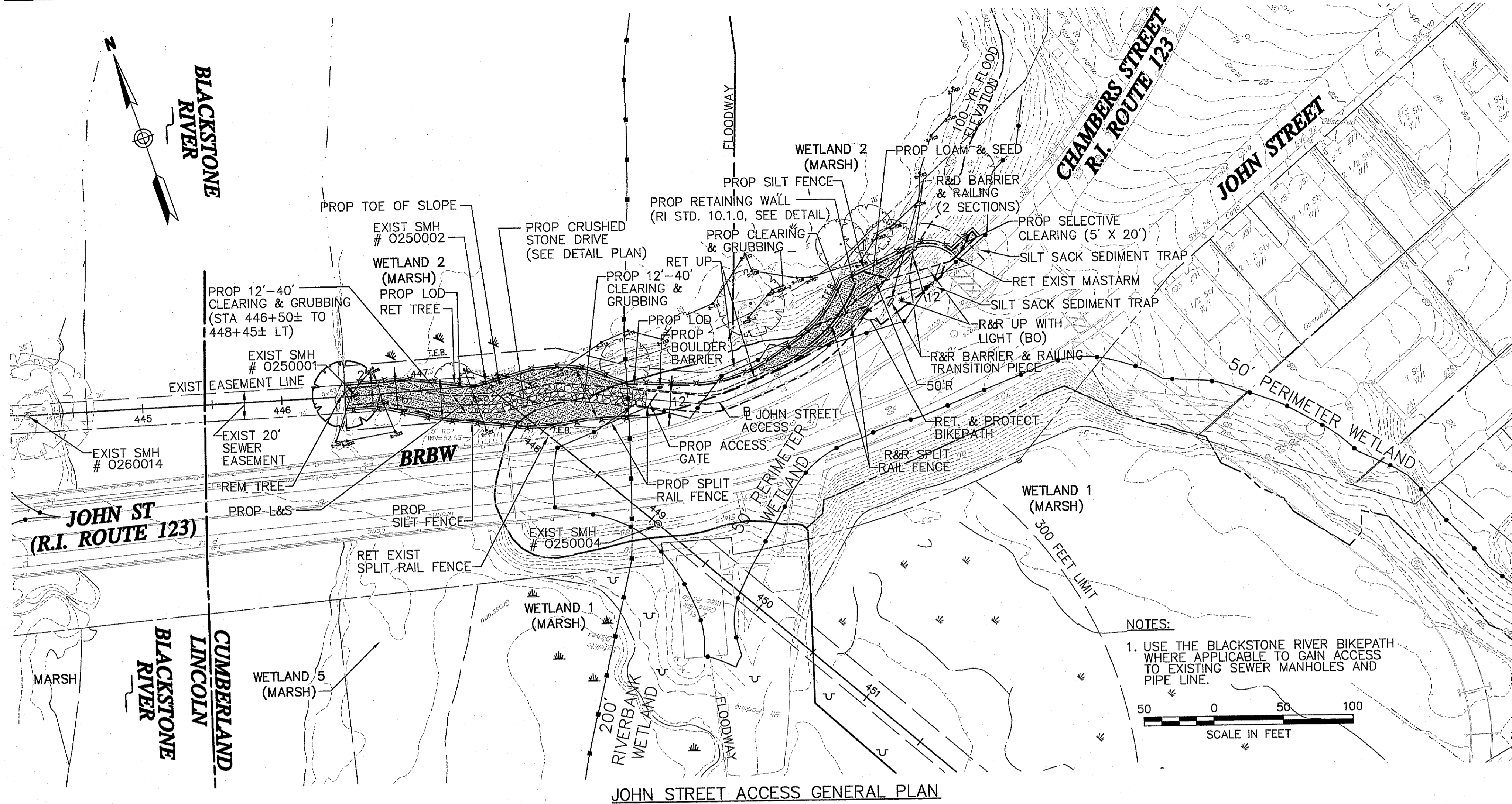
**Easement Restoration
Plan No. 3**

Drawing Number

C-6

Sheet of 6 8

Project Number 72253.00



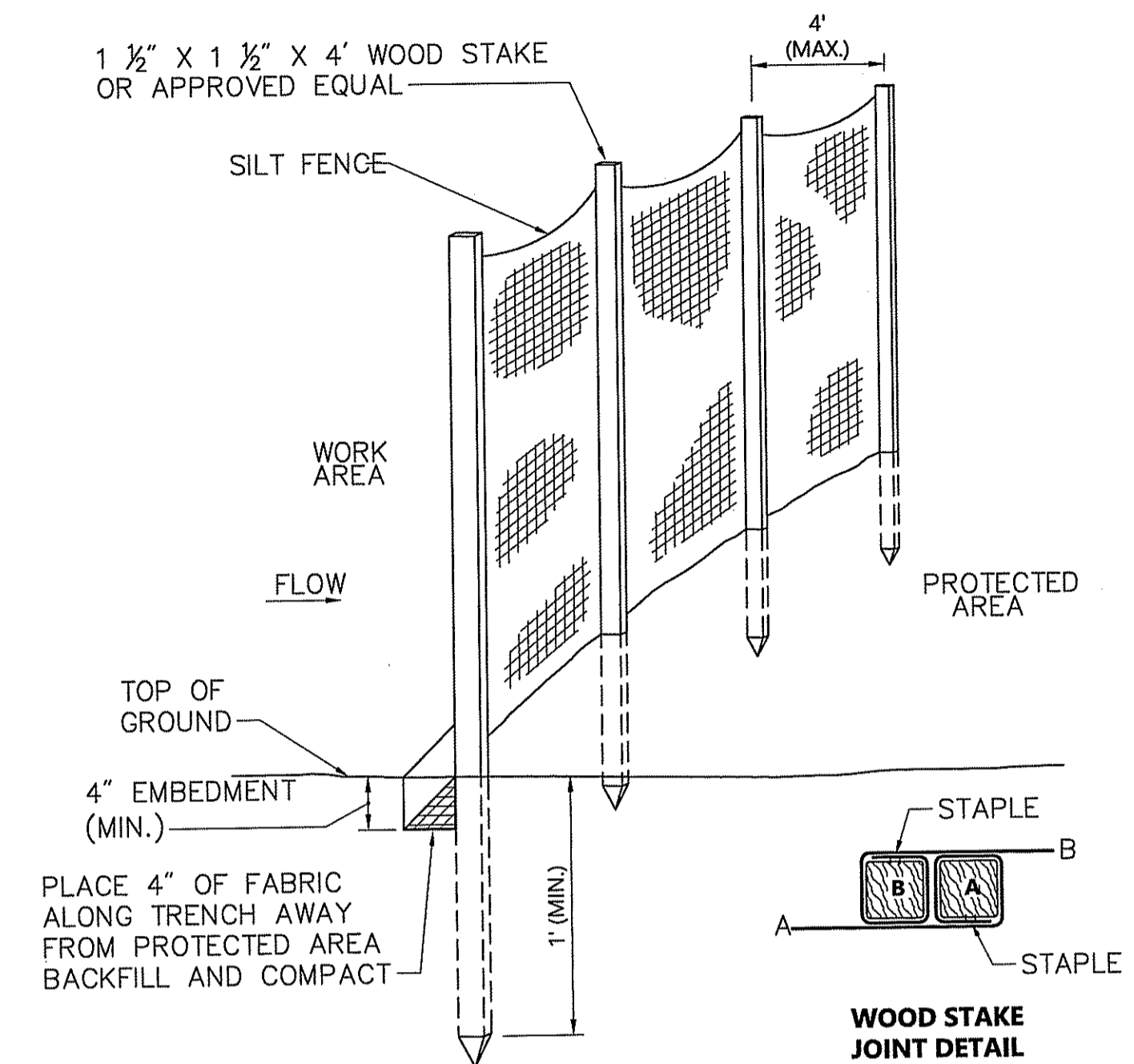
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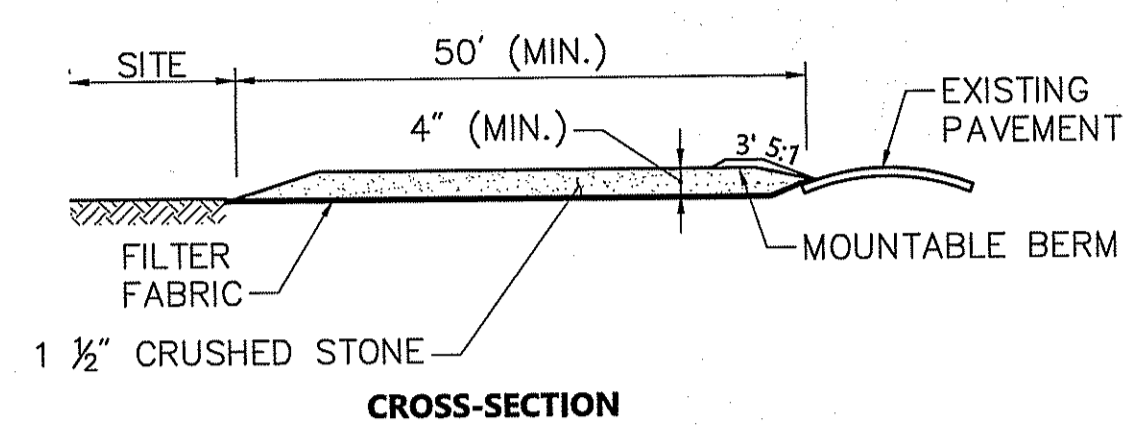
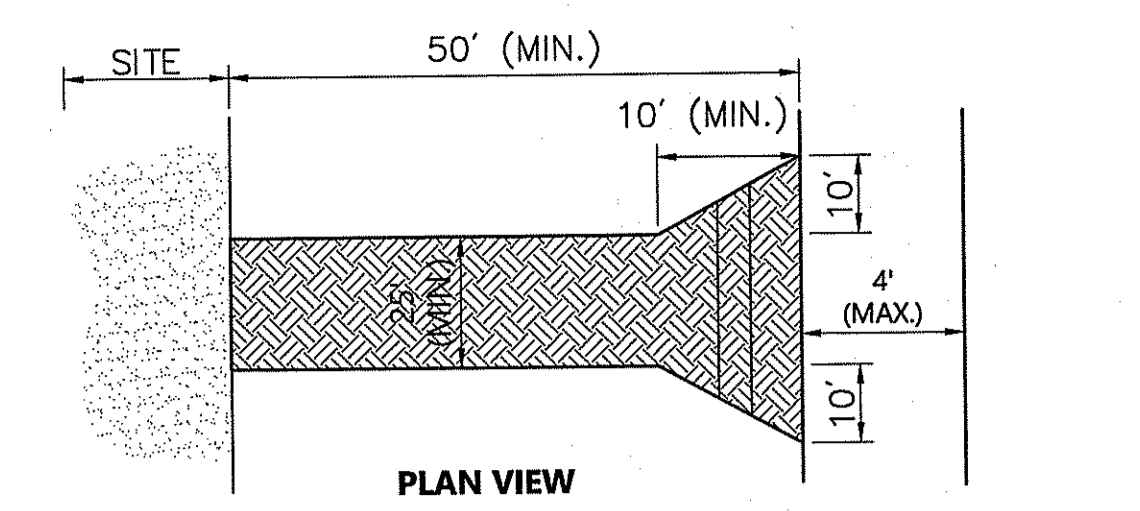
Legend

- Proposed Silt Fence
- Proposed Pervious Pavement
- Proposed Temp. Construction Access Clear, Grub & Stump Grind - Limits
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- Wetland/Marsh
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- 50' Perimeter Wetland
- 100' Riverbank Wetland
- 200' Riverbank Wetland
- Existing/Proposed Tree Line
- Existing P&W Railroad



SILT FENCE BARRIER

SCALE:NTS

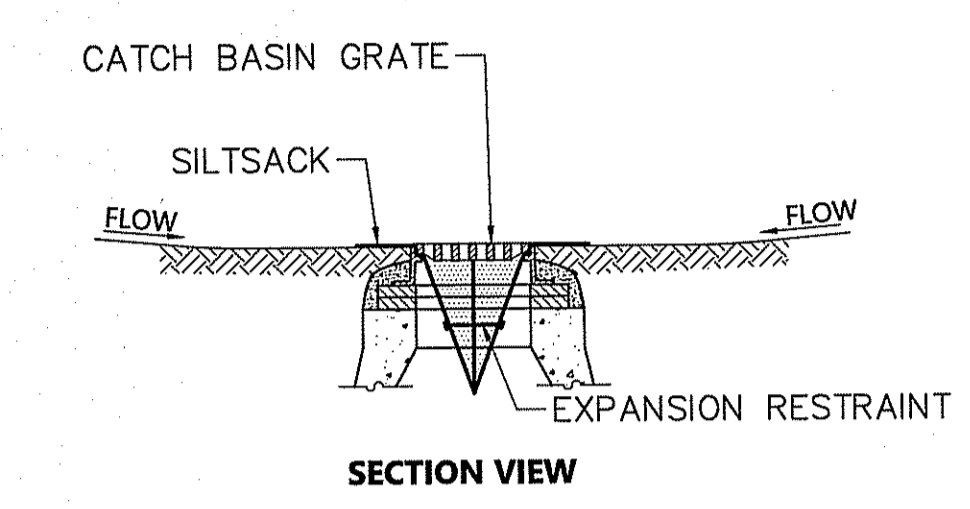
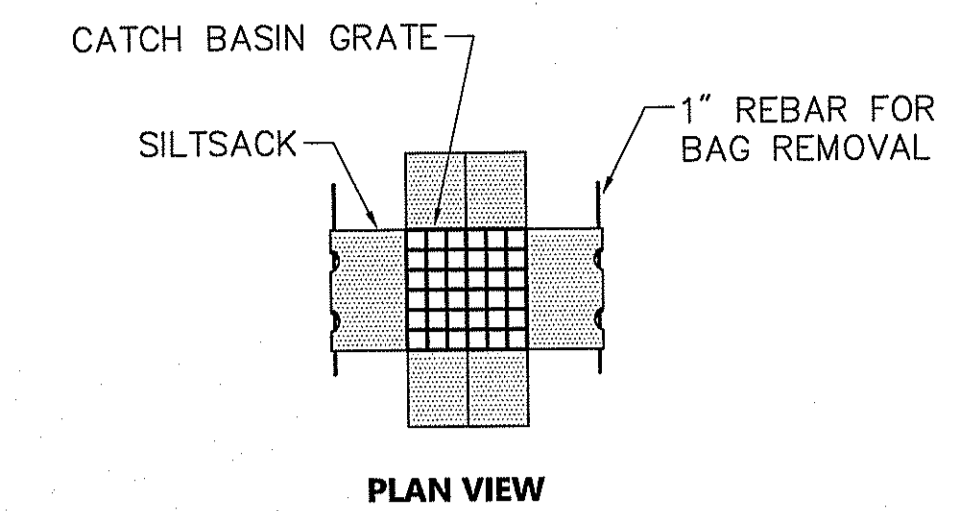


NOTES

- EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
- STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

STABILIZED CONSTRUCTION EXIT

SCALE:NTS

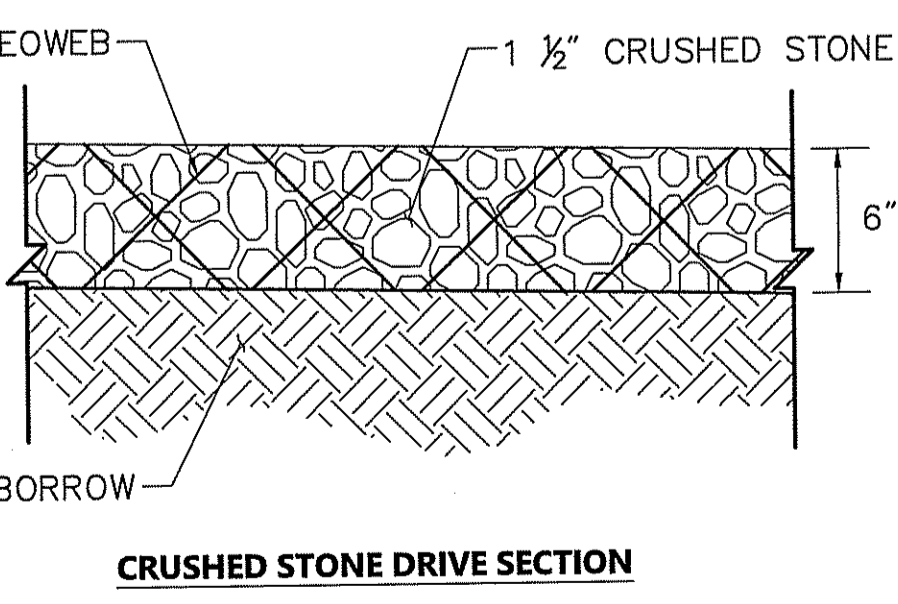
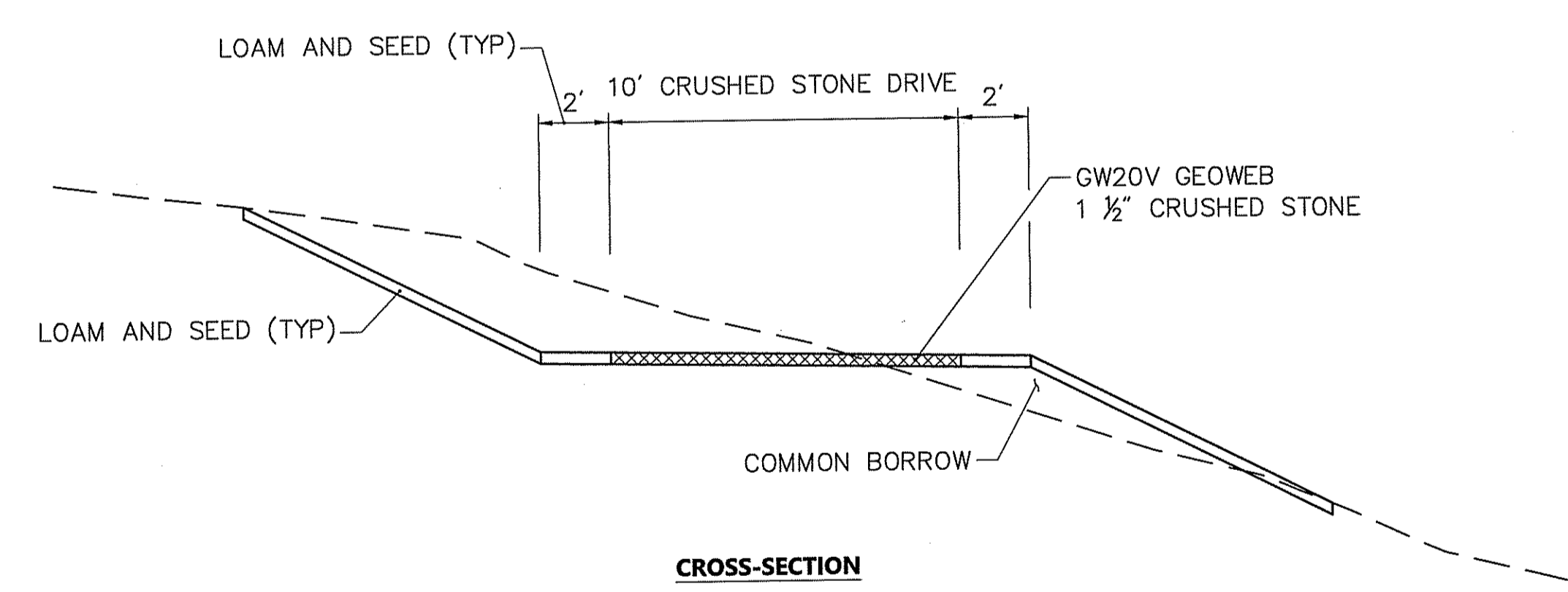


NOTES

- INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
- GRATE TO BE PLACED OVER SILTSACK.
- SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

SILT SACK SEDIMENT TRAP

SCALE:NTS

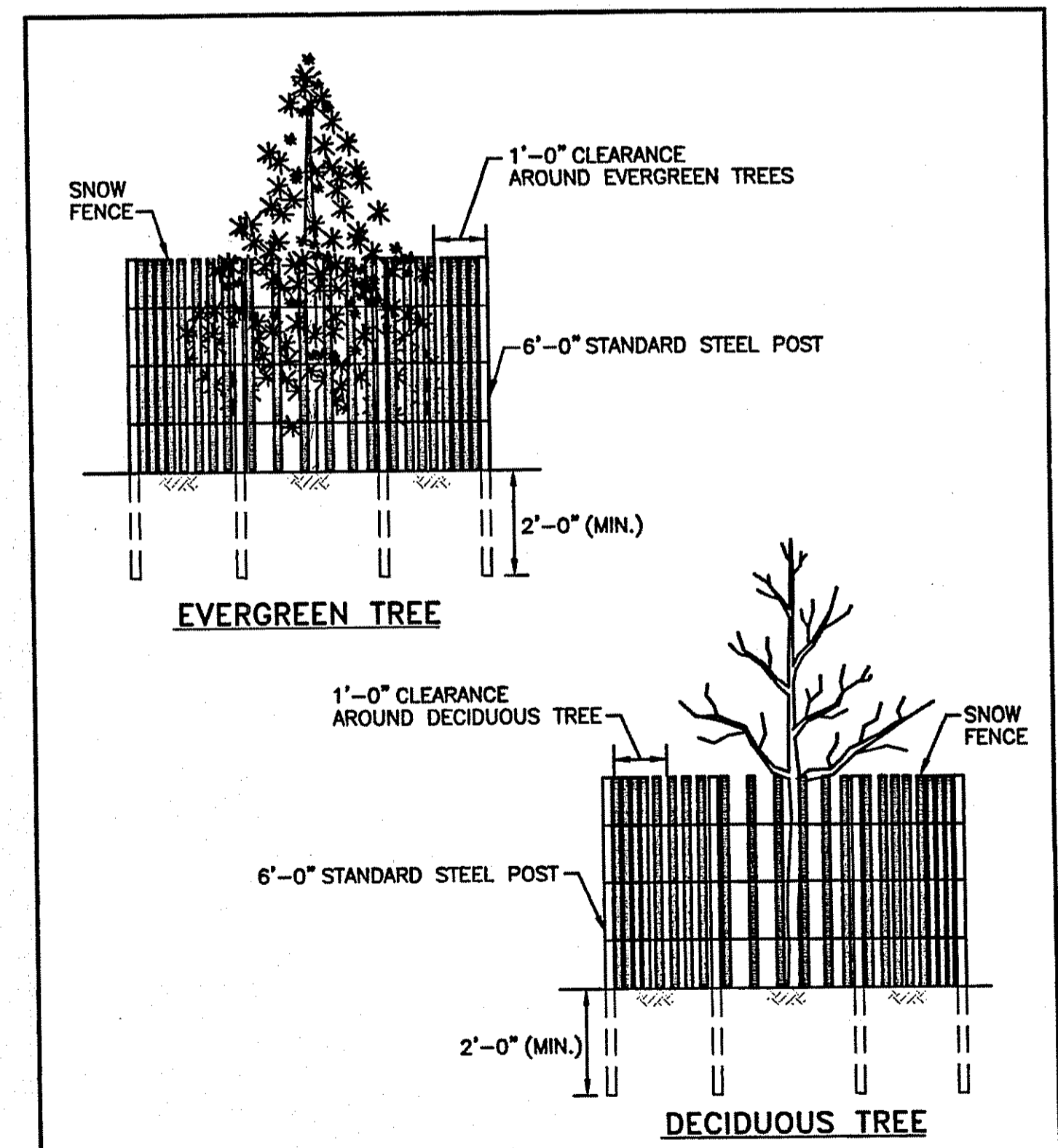


NOTES

- CRUSHED STONE DRIVE SHALL CONSIST OF GEOWEB CELLS AND 1 1/2" CRUSHED STONE.
- CELLS SHALL BE 6-INCH DEEP GW20V GEOWEB CELLS AND MADE OF VIRGIN HDPE.

CRUSHED STONE DRIVE

SCALE:NTS



NOTE: SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES

NO. BY DATE

ISSUE DATE: JUNE 15, 1998

R.I. STANDARD 51.1.1

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Justin D. Wemack

**Interceptor Easement Restoration
Blackstone Valley Interceptor**

Cumberland, Rhode Island

Detail Plan

Drawing Number
C-8
Sheet of 8
Project Number
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