

May 16, 2012

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF TRANSPORTATION
RHODE ISLAND CONTRACT NO.2012-CH-010
FEDERAL-AID PROJECT NO. FAP Nos: HPP-4868(002)

Northwest Bike Trail / Woonasquatucket River Bikeway C-4

Button Hole Drive to Merino Park
CITY/TOWN OF Providence
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. Contract Documents

1. General Provisions - Contract Specific

DELETE Page 1 of 3, Page 2 of 3, and Page 3 of 3 for the Level 3 Transportation Management Plan of Appendix B, and REPLACE them with the revised Page 1 of 3(R-1), Page 2 of 3(R-1), and Page 3 of 3(R-1) attached to this Addendum No. 2. Revised holiday restrictions and signatures have been provided.

DELETE Attachment GR-General Restrictions of Appendix B Traffic Management Plan and REPLACE it with revised Attachment GR-General Restrictions (R-1) attached to this Addendum No. 2. Time of Day and Minimum Number of Lanes & Shoulders to Remain Open to Traffic have been revised.

2. Specifications - Job Specific

DELETE page JS-ii(R-1) in its entirety and REPLACE it with revised page JS-ii(R-2) attached to this Addendum No. 2. Item Code 901.9906 (Concrete Post) has been revised to PVC Post Sleeve.

DELETE page JS-27B (Addendum No. 1) in its entirety and REPLACE it with revised page JS-27B (R-1) attached to this Addendum No. 2. Job Specific has been revised.

B. Drawings/Plans - Change/Addition

1. Job Specific Details Part 1, Sheet 21 of 55(R-1)

DELETE Details Part 1, Sheet 21 of 55(R-1) in its entirety and REPLACE it with Sheet 21 of 55 (R-2) attached to this Addendum No. 2. Revised Modular Retaining Wall Typical Fence Post Detail to replace concrete sleeve with a PVC sleeve.

2. Cross Section, Sheet 47 of 55

DELETE Cross Section, Sheet 47 of 55 in its entirety and REPLACE it with Sheet 47 of 55 (R-1) attached to this Addendum No. 2. Revised Concrete Post Sleeve to PVC Post Sleeve.

3. Cross Section, Sheet 48 of 55

DELETE Cross Section, Sheet 48 of 55 in its entirety and REPLACE it with Sheet 48 of 55 (R-1) attached to this Addendum No. 2. Revised Concrete Post Sleeve to PVC Post Sleeve.

4. Cross Section, Sheet 49 of 55

DELETE Cross Section, Sheet 49 of 55 in its entirety and REPLACE it with Sheet 49 of 55 (R-1) attached to this Addendum No. 2. Revised Concrete Post Sleeve to PVC Post Sleeve.

5. Cross Section, Sheet 50 of 55(R-1)

DELETE Cross Section, Sheet 50 of 55(R-1) in its entirety and REPLACE it with Sheet 50 of 55 (R-2) attached to this Addendum No. 2. Revised Concrete Post Sleeve to PVC Post Sleeve.

C. Distribution of Quantities

1. TABLE OF CONTENTS

DELETE Index page 1(R-1), Index page 2(R-1) and Index page 3(R-1) in their entirety and REPLACE them with revised page Index page 1(R-2), Index page 2(R-2) and Index page 3(R-2) attached to this Addendum No. 2. Item Code 901.9906 (Concrete Post Sleeve) has been revised to PVC Post Sleeve.

2. Page 14 of 29

DELETE Page 14 of 29(R-1) in its entirety and INSERT Page 14 of 29 (R-2) attached to this Addendum No. 2. Item Code 901.9906 (Concrete Post Sleeve) has been revised to PVC Post Sleeve.



 RI Department of Transportation
Chief Engineer



**LEVEL 3
TRANSPORTATION
MANAGEMENT
PLAN**

Project Name: **Northwest Bike Trail Contract 4** R-1
 RI Design Contract No(s): **93107**
 RI Construction Contract No(s): **2012-CH-010**
 Submission: **ADV** Date: **4/6/2012**

PROJECT INFORMATION

Brief Project Description: Work on this project includes coldplaning and overlay of Button Hole Drive, installation of erosion control measures, adjustments to existing and installation of new drainage structures, highway embankment, construction of new bike path pavement structure, installation of signage and pavement markings, and other incidental work.

General Work Limits: The bicycle route includes a shared lane (Class III) Bikepath on existing Button Hole Drive and Glenbridge Avenue, as well as new multi-use (Class I) Bikepath constructed on undeveloped City of Providence land along the southerly side of Route 6, and ending at Merino Park. The total length of the proposed bikepath is approximately 0.8 miles.

WORK ZONE LOCATIONS

ROADWAY NAME or INTERSECTION	FROM	TO	APPROX. LENGTH
Button Hole Drive	King Philip Road	Glenbridge Avenue	1,370 ft.
Glenbridge Avenue	Button Hole Drive	Beginning of prop. off-road bike path	300 ft.

General Project Schedule*: The work is expected to begin in July 2012 and is expected to be completed by September 2013.

*The information in this section is not intended to and shall not supersede the approved schedule and milestone/completion dates for the project.

TRAFFIC-RELATED WORK RESTRICTIONS

General Restrictions: See Attachment GR - General Restrictions

Holiday Restrictions: No lane and/or shoulder closures allowed after 1:00 PM on the Friday preceding a holiday weekend.
EASTER SUNDAY
 No lane and/or shoulder closures allowed on Saturday.
 No lane and/or shoulder closures allowed on Sunday, until 6:00 PM.
NEW YEAR'S DAY, INDEPENDENCE DAY & CHRISTMAS DAY
 No lane and/or shoulder closures allowed after 1:00 PM on the day before the holiday.
 No lane and/or shoulder closures allowed on the holiday.
DR. MARTIN LUTHER KING JR., MEMORIAL DAY, VICTORY DAY, LABOR DAY, COLUMBUS DAY & VETERANS DAY
 No lane and/or shoulder closures allowed on Saturday.
 No lane and/or shoulder closures allowed on Sunday, until 6:00 PM
 No lane and/or shoulder closures allowed on Monday, until 6:00 PM
THANKSGIVING DAY
 No lane and/or shoulder closures allowed after 1:00 PM on the Wednesday preceding Thanksgiving Day.
 No lane and/or shoulder closures allowed on Thanksgiving Day.
 No lane and/or shoulder closures allowed on Friday and Saturday.
 No lane and/or shoulder closures allowed on Sunday, until 6:00 PM

PERFORMANCE MONITORING, CHANGES TO TMP, & CONTINGENCIES

The Contractor's TMP Implementation Manager (if identified below) is responsible for keeping the portion of the project being used by public traffic in a condition that (1) safely and adequately accommodates such traffic and (2) is in accordance with the Traffic-Related Work Restrictions, the Temporary Traffic Control Plans, and where appropriate, the other transportation management strategies identified above. The RIDOT TMP Implementation Manager or his/her responsible designee should (1) inspect the project work zones at initial setup, at the start of each subsequent work day, and just prior to extended breaks in the work (e.g., weekends) for conformance with the Temporary Traffic Control Plans, the ATSSA Quality Guidelines for Temporary Traffic Control Devices and Features, and where applicable, the other transportation management strategies identified above and (2) document all work zone-related feedback and complaints that are received from the public.

If at any time (1) a significant deviation from any of the strategies included in the TMP (e.g., the use of an alternate construction sequence) is desired by one or more members of the project implementation team, (2) field observations and/or data suggest that impacts to road users are or will be unacceptable, or (3) one or more performance requirements established in the TMP are not being met in the field, the RIDOT TMP Implementation Manager shall report the situation to his/her supervisor or Division/Section/Unit manager. The supervisor / manager will coordinate with the State Traffic Engineer, the Deputy Chief Engineer, the TMP Implementation Manager(s), the Chief Engineer, and/or other interested parties as appropriate and/or necessary to consider and determine whether revised and/or alternate strategies should be implemented in an effort to lessen the adverse safety and/or mobility impacts of the project. If the supervisor / manager deems that strategy changes should be implemented, the changes shall be documented in a revised version of the TMP and the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer must approve of the revised TMP prior to their implementation.

If a significant deviation from any of the strategies included in the TMP is requested by the Contractor, unless directed otherwise by the RIDOT the Contractor is responsible for preparing and submitting to the RIDOT TMP Implementation Manager appropriate documentation (e.g., design calculations, analysis reports, Temporary Traffic Control Plans, etc.) showing that the requested change(s) are (1) feasible and (2) expected to result in safety and mobility impacts that are no more adverse than the impacts resulting from the strategies already included in the latest approved TMP. The RIDOT will review and consider the submittal(s) as described in the preceding paragraph and will determine whether the changes should be implemented. If the requested changes are approved by the RIDOT, unless otherwise directed by the RIDOT the Contractor shall prepare and submit to the RIDOT TMP Implementation Manager a revised version of the latest approved TMP in both printed and electronic (Microsoft® Excel) format that documents all of the approved changes. Work to implement the changes shall not begin until the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer have approved of the revised TMP.

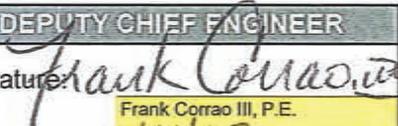
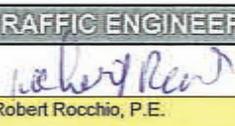
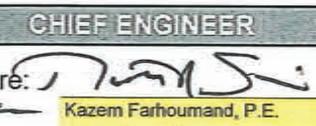
When unexpected events (e.g., crashes, inclement weather, unforeseen traffic demands, etc.) occur in a project work zone where one or more lanes are closed, the RIDOT TMP Implementation Manager or his/her responsible designee should (1) determine whether or not the lane closure(s) can/should be removed in order to improve traffic operations and/or minimize delays and (2) if deemed appropriate, take action to remove the lane closure(s).

Other

Requirements:

TMP APPROVALS

All approvals must be obtained prior to start of work

DEPUTY CHIEF ENGINEER			STATE TRAFFIC ENGINEER			CHIEF ENGINEER		
Signature: 			Signature: 			Signature: 		
Frank Corrao III, P.E.			Robert Rocchio, P.E.			Kazem Farhoumand, P.E.		
Date: 5/11/12			Date: _____			Date: 5/11/12		
Revision #	Initials	Date	Revision #	Initials	Date	Revision #	Initials	Date

TMP IMPLEMENTATION MANAGERS

Project managers with the primary responsibility & authority for implementation of this TMP

RIDOT	CONTRACTOR (if contract work)
Name: _____	Name: _____
Title: _____	Title: _____
Unit: _____	Company/Unit: _____
Office Phone: _____	Office Phone: _____
Mobile Phone: _____	Mobile Phone: _____
E-Mail: _____	E-Mail: _____

Attachment GR – General Restrictions

Location	MINIMUM NUMBER OF LANES & SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2}								
	Time of Day		Day of Week						
	From	To	SUN	MON	TUE	WED	THU	FRI	SAT
Button Hole Drive, and Glenbridge Avenue	0:00	16:00	ALL	1L ALT	ALL				
	16:00	18:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	18:00	0:00	1L ALT	1L ALT	1L ALT	1L ALT	1L ALT	ALL	ALL

LEGEND

ALL	All travel lanes and shoulders shall remain open to traffic.
1L ALT	A minimum of one 11-foot wide travel lane shall remain open to alternating traffic.

NOTES

1. The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that travel way or shoulder.
2. The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.

INDEX
SPECIFICATIONS/JOB SPECIFIC
(Continued)

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
901.9905	Modifications to Bridge Guard Rail	JS-27  1
901.9906	PVC Post Sleeve	JS-27B  2
901.9907	Post and Beam Fence	JS-28
903.9901	Access Control Gate	JS-29
904.9901	Orange Temporary Construction Barrier	JS-30
906.1000	Dust Control	JS-31
906.9901	Granite Curb, Quarry Split Straight 7" Wide	JS-32
906.9902	Granite Curb, Quarry Split Circular, 7" Wide	JS-32
906.9903	6' Granite Transition Curb, Quarry Split Special Transition 7" Wide	JS-32
906.9903	Granite Wheelchair Ramp Curb 7" Wide	JS-32
910.9901	Modular Retaining Wall	JS-33
910.9902	Reinforced Modular Retaining Wall	JS-33
920.9901	Remove and Dispose Riprap	JS-38
937.0200	Maintenance and Movement of Traffic Protective Devices	JS-39
938.1000	Price Adjustment	JS-40
924.9901	Detectable Warning System Cast in Place	JS-41
L02.0101	Seeding	JS-43
L06.1000	Planting	JS-44
L15.9901	Steel Pipe Bollard	JS-46
T20.9901	Epoxy Resin Pavement Markings Words "STOP AHEAD" on Bike Path	JS-47

ADDENDUM NO. 2

CODE 901.9906 - PVC POST SLEEVE

DESCRIPTION: The work will consist of furnishing and installing wood rail post sleeves to accept the 6" x 6" wood rail fence posts in areas adjacent to reinforced and non-reinforced modular retaining walls to avoid damage to modular wall reinforcing fabric caused by driving fence posts.

MATERIALS: PVC pipe shall be Schedule 80 according to ASTM D1785.

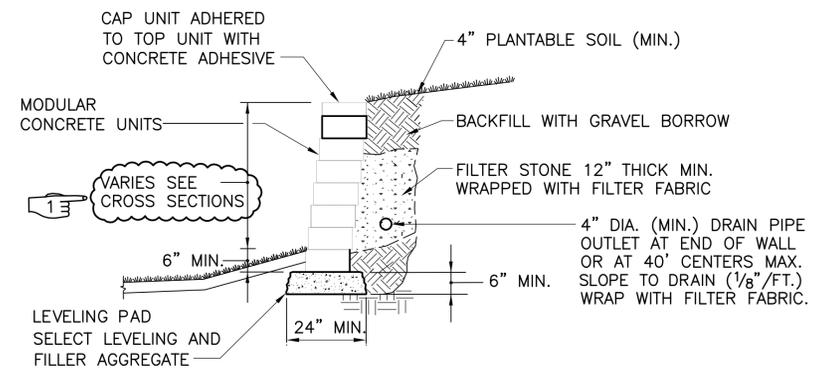
Controlled low strength material (CLSM) shall be in accordance with Section 603 of the Rhode Island Standard Specifications and shall be Type IV.

CONSTRUCTION METHODS: PVC Post Sleeve shall be set plumb in dug holes adjacent to the modular walls. Sleeves shall be set at each location of fence post to avoid damage to the modular wall reinforcing fabric. PVC pipe shall be installed in such a manner to avoid compromising the reinforcing fabric supporting the modular walls. Sleeves shall be set at approximately two inches below finished grade to a depth equal to the wood rail posts and backfilled with controlled low strength material to the top of PVC pipe.

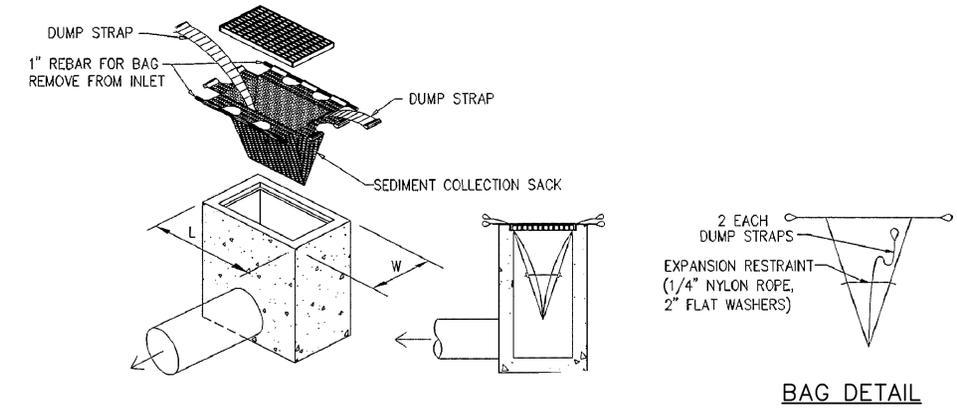
Install PVC post sleeves at five feet on center to accept wood rail fence posts.

METHOD OF MEASUREMENT: PVC Post Sleeves will be measured by EACH, complete in place and accepted by the engineer.

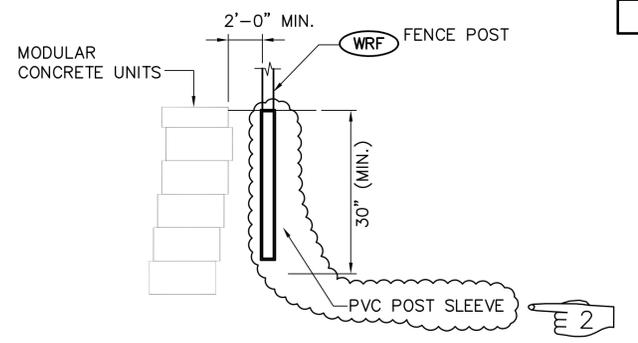
BASIS OF PAYMENT: PVC Post Sleeves will be paid for at the contract unit price per each, as listed in the proposal which price and the payment thereof shall constitute full compensation for all labor, materials, and equipment including PVC pipe, excavation, backfill, controlled low strength material, and all other incidentals necessary for the completion of the work and accepted by the engineer.



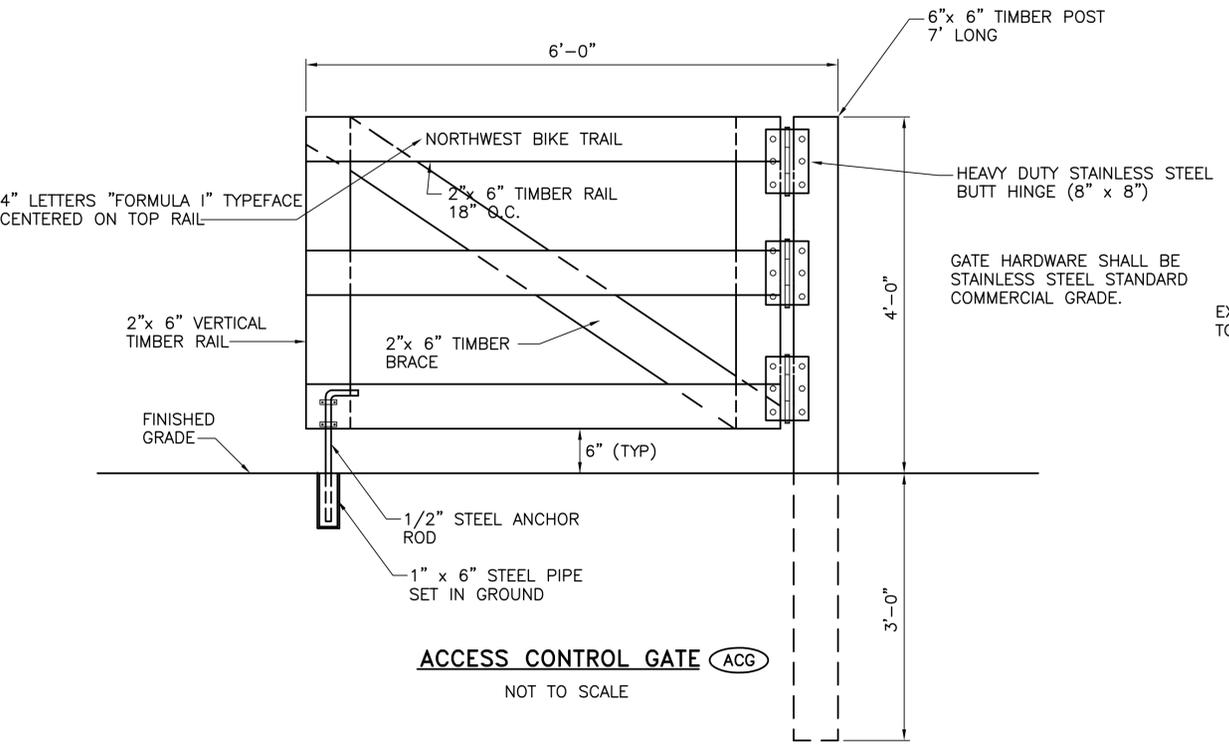
TYPICAL SECTION—UNREINFORCED MODULAR RETAINING WALL (MRW)
 DETAILS AS SPECIFIED BY MANUFACTURER
 NOT TO SCALE



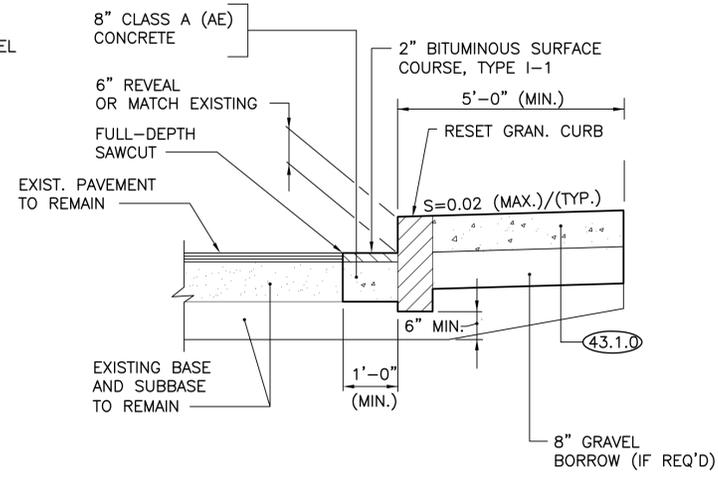
INSTALLATION DETAIL
SILT SACK
 NOT TO SCALE



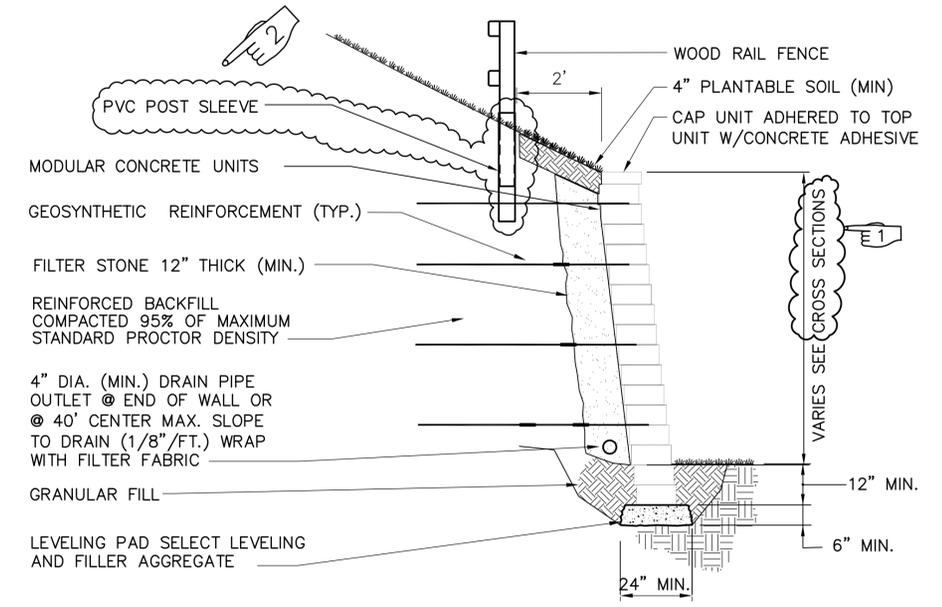
MODULAR RETAINING WALL
TYPICAL FENCE POST DETAIL
 NOT TO SCALE



ACCESS CONTROL GATE (ACG)
 NOT TO SCALE

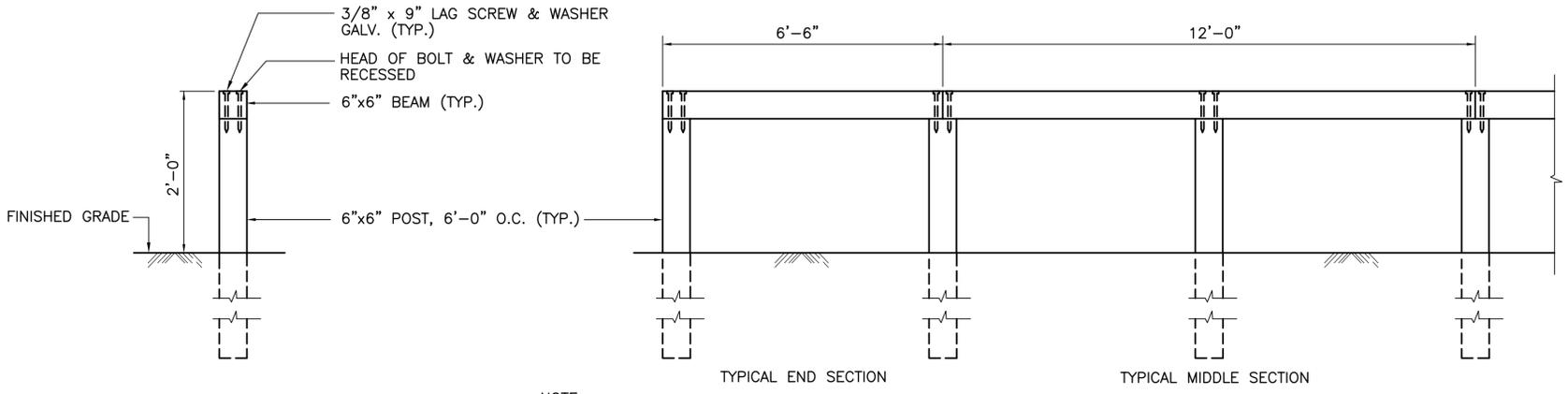


CURB SETTING DETAIL
 NOT TO SCALE



TYPICAL SECTION—REINFORCED MODULAR RETAINING WALL (RMW)
 DETAILS AS SPECIFIED BY MANUFACTURER
 NOT TO SCALE

1. THE CONTRACTOR SHALL PROVIDE FINAL DESIGN/SHOP DRAWINGS OF THE REINFORCED MODULAR WALL. THE DESIGN SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND
2. SHOULD IT BE NECESSARY TO REMOVE A PORTION OF THE PROTECTIVE MEMBRANE, THE CONTRACTOR SHALL CAREFULLY REMOVE THE MEMBRANE AND THE CONTAMINATED SOILS. THE CONTAMINATED SOILS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE EPA REQUIREMENTS. A NEW PROTECTIVE MEMBRANE SHALL THEN BE PLACED AND SHALL OVERLAP EXISTING MEMBRANE FOR TWO FEET. CLEAN BACKFILL SHALL THEN BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE WALL DESIGNER.



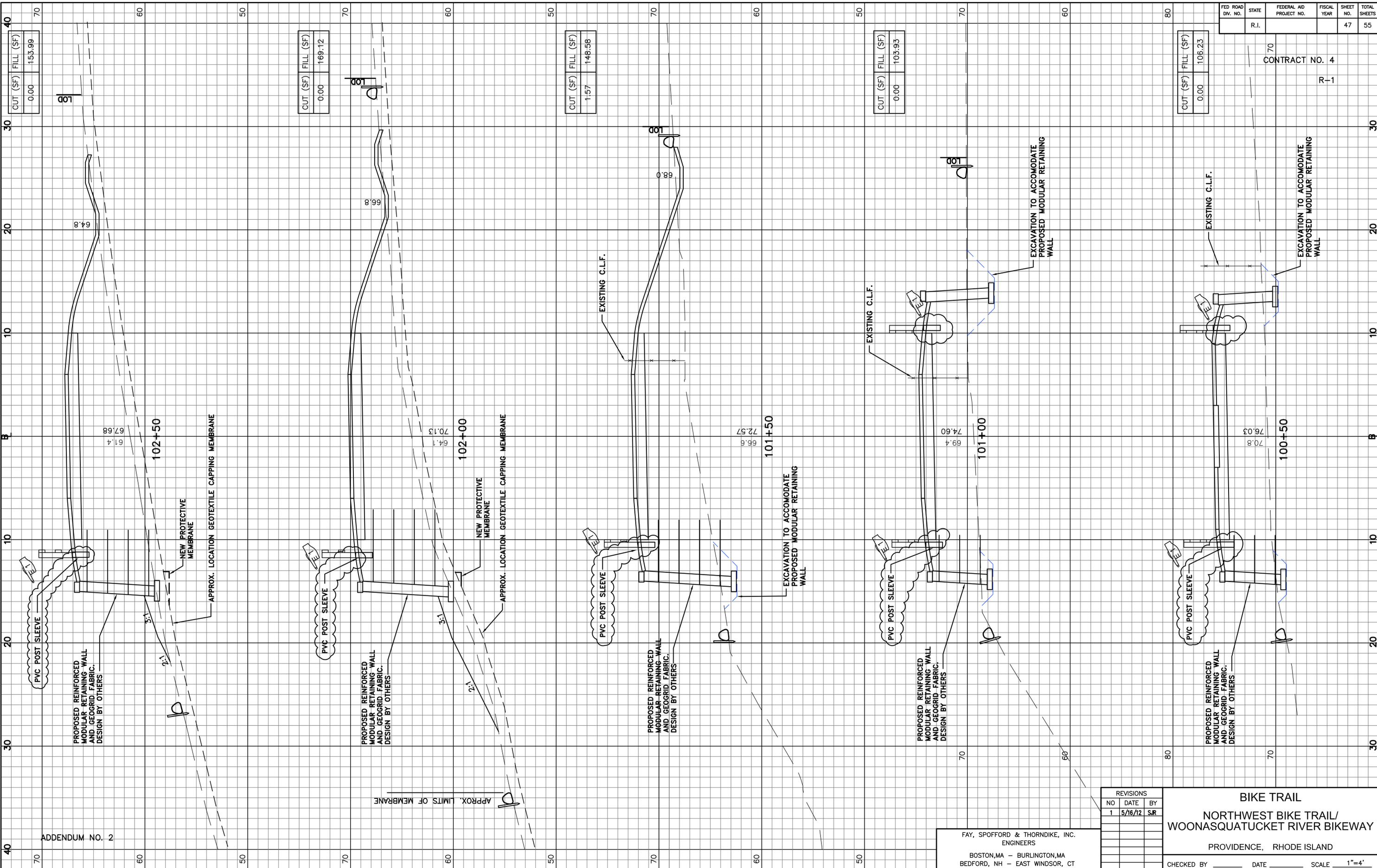
NOTE:
 1. ALL TIMBER USED SHALL BE PRESSURE TREATED WOOD.

(PBF) POST AND BEAM FENCE
 NOT TO SCALE

REVISIONS		
NO.	DATE	BY
1	5/9/12	SJR
2	5/16/12	SJR

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 BIKE TRAIL
 NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE, RHODE ISLAND

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ADDENDUM NO. 2

FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS
BOSTON, MA - BURLINGTON, MA
BEDFORD, NH - EAST WINDSOR, CT

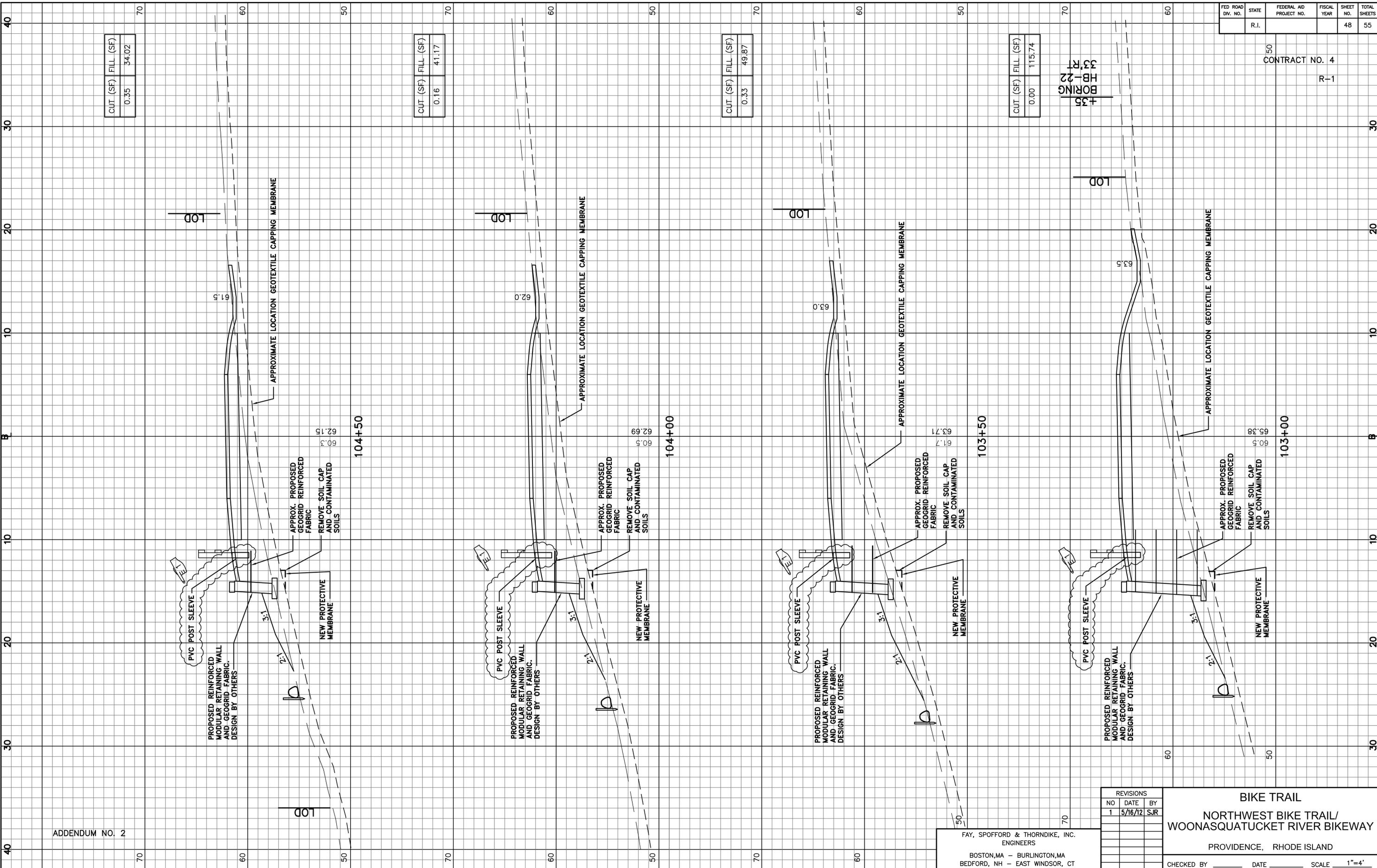
REVISIONS		
NO	DATE	BY
1	5/16/12	SJR

BIKE TRAIL
NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY

PROVIDENCE, RHODE ISLAND

CHECKED BY _____ DATE _____ SCALE 1"=4'

+35
 HB-22
 BORING
 34' RT



CUT (SF)	FILL (SF)
0.35	34.02

CUT (SF)	FILL (SF)
0.16	41.17

CUT (SF)	FILL (SF)
0.33	49.87

CUT (SF)	FILL (SF)
0.00	115.74

ADDENDUM NO. 2

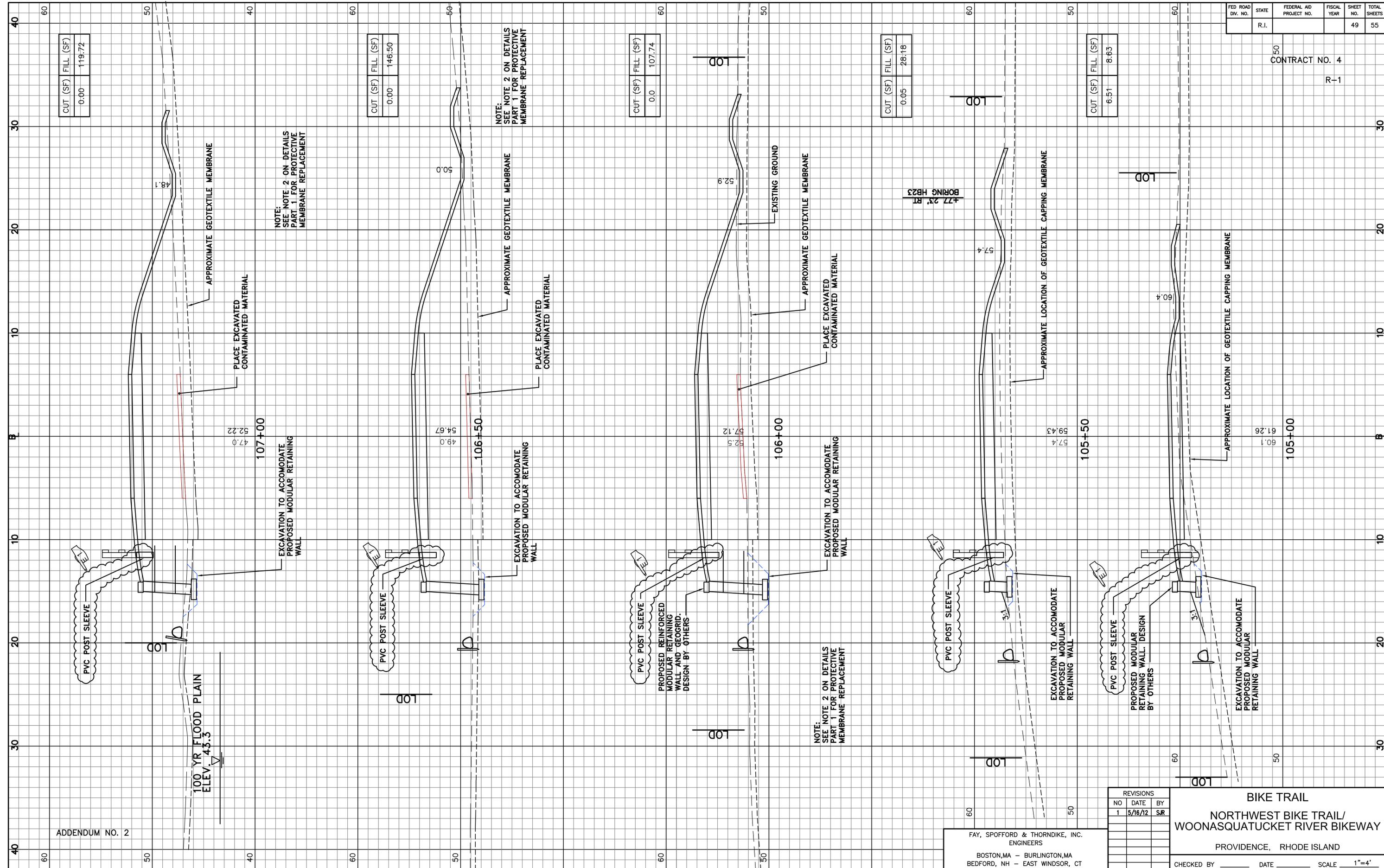
FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS
BOSTON, MA - BURLINGTON, MA
BEDFORD, NH - EAST WINDSOR, CT

REVISIONS		
NO	DATE	BY
1	5/16/12	SJR

BIKE TRAIL
 NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY

PROVIDENCE, RHODE ISLAND

CHECKED BY _____ DATE _____ SCALE 1"=4'



CUT (SF)	FILL (SF)
0.00	119.72

CUT (SF)	FILL (SF)
0.00	146.50

CUT (SF)	FILL (SF)
0.0	107.74

CUT (SF)	FILL (SF)
0.05	28.18

CUT (SF)	FILL (SF)
6.51	8.63

NOTE:
SEE NOTE 2 ON DETAILS
PART 1 FOR PROTECTIVE
MEMBRANE REPLACEMENT

NOTE:
SEE NOTE 2 ON DETAILS
PART 1 FOR PROTECTIVE
MEMBRANE REPLACEMENT

NOTE:
SEE NOTE 2 ON DETAILS
PART 1 FOR PROTECTIVE
MEMBRANE REPLACEMENT

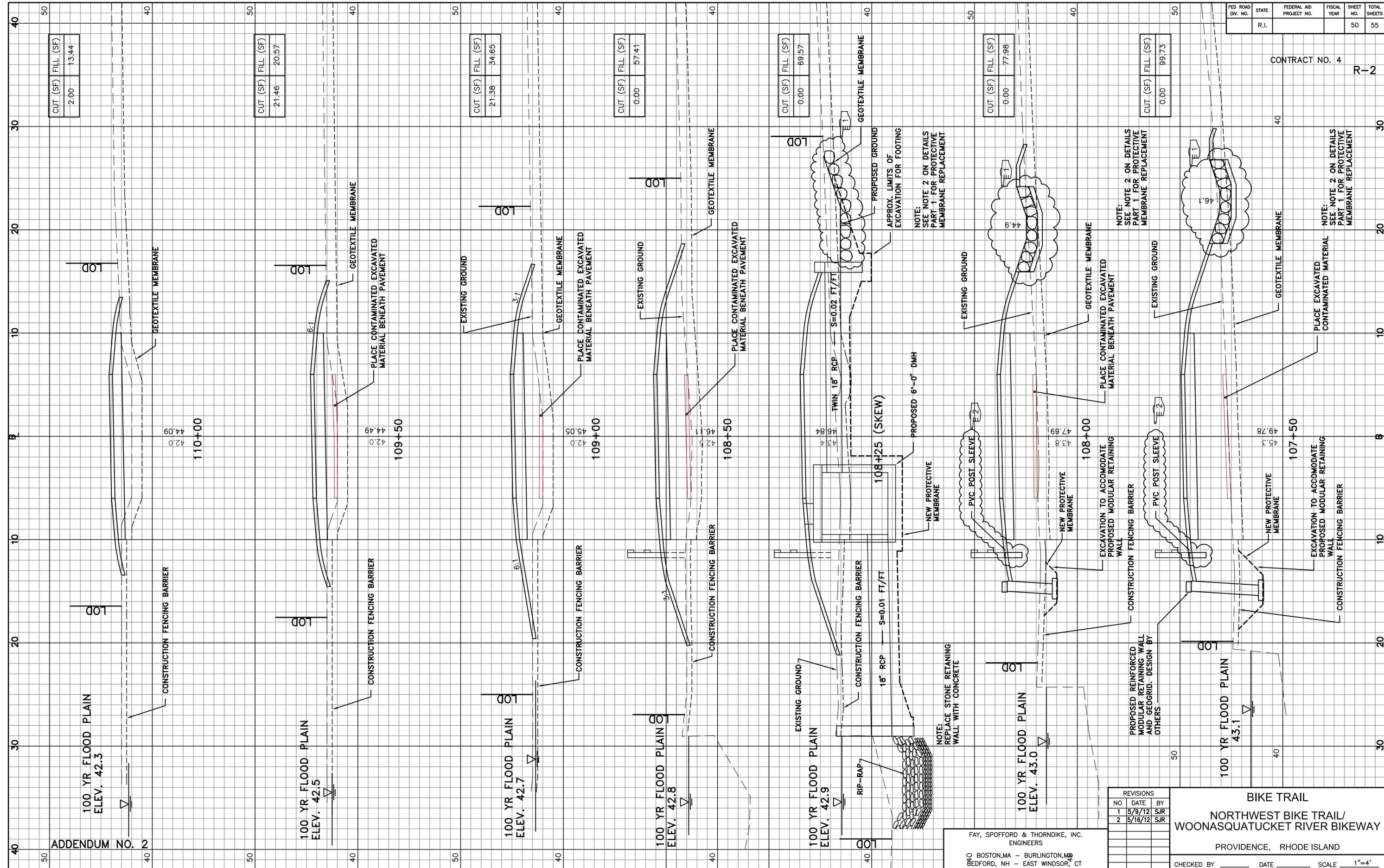
ADDENDUM NO. 2

100 YR FLOOD PLAIN
ELEV. 43.3

FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS
BOSTON, MA - BURLINGTON, MA
BEDFORD, NH - EAST WINDSOR, CT

REVISIONS		
NO	DATE	BY
1	5/16/12	SJR

BIKE TRAIL
NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY
PROVIDENCE, RHODE ISLAND
CHECKED BY _____ DATE _____ SCALE 1"=4'



CUT (SF)	FILL (SF)
2.00	13.44

CUT (SF)	FILL (SF)
21.46	20.57

CUT (SF)	FILL (SF)
21.36	34.65

CUT (SF)	FILL (SF)
0.00	57.41

CUT (SF)	FILL (SF)
0.00	69.57

CUT (SF)	FILL (SF)
0.00	77.98

CUT (SF)	FILL (SF)
0.00	99.73

REVISIONS		
NO	DATE	BY
1	5/9/12	SJR
2	5/16/12	SJR

FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS
10 BOSTON, MA - BURLINGTON, MA
BEDFORD, NH - EAST WINDSOR, CT

BIKE TRAIL
NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY
PROVIDENCE, RHODE ISLAND
CHECKED BY _____ DATE _____ SCALE 1"=4'

Table of Contents - Distribution of Quantities

Project Name - Northwest Bike Trail / Woonasquatucket River Bikeway C-4

Estimate Name - Addendum No. 2

R.I. Contract No. - 2012-CH-010

FAP Nos: HPP-4868(002)

ItemCode	Description	Page
201.0320	CLEARING AND GRUBBING	1
201.0401	REMOVE AND DISPOSE GRANITE CURB	1
201.0403	REMOVE AND DISPOSE SIDEWALKS	1
201.0415	REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES	1
201.0418	** ITEM DELETED **	2
201.0419	REMOVE AND DISPOSE FENCE	2
201.0433	REMOVE AND DISPOSE BOLLARD	2
201.0602	REMOVE AND STOCKPILE GROUND MOUNTED SIGNS	2
201.9901	** ITEM DELETED **	2
202.0100	EARTH EXCAVATION	3
202.0700	COMMON BORROW	3
202.0800	GRAVEL BORROW	3
202.9901	** ITEM DELETED **	3
202.9902	LOAD AND HAUL CONTAMINATED SOIL	3
202.9903	DISPOSAL OF CONTAMINATED SOIL	3
202.9904	SOIL SAMPLING	4
203.0110	STRUCTURAL EXCAVATION EARTH DRY	4
203.0530	DEWATERING	4
204.0100	TRIMMING AND FINE GRADING	4
205.1000	PERMANENT STEEL SHEETING	4
206.0230	** ITEM DELETED **	4
206.9901	COMPOST FILTER SOCK	5
207.0210	STONE CHECK DAMS	5
208.0100	DEWATERING BASIN STANDARD 9.7.0	5
209.9901	SILT SACK	5
211.0100	CONSTRUCTION ACCESSES STANDARD 9.9.0	6
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	6
302.0100	GRAVEL BORROW SUBBASE COURSE	6
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401.0200	** ITEM DELETED **	7
401.0300	** ITEM DELETED **	7
401.0400	** ITEM DELETED **	7
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403.0300	ASPHALT EMULSION TACK COAT	8
701.0318	REINFORCED CONCRETE PIPE M 170 CLASS II 18 INCH	8
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702.0625	PRECAST CATCH BASIN 6' SQUARE STANDARD 4.3.0	8
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709.0200	** ITEM DELETED **	9
713.8269	ADJUST WATER GATE BOXES TO GRADE	9
713.8300	ADJUST GAS GATE BOXES TO GRADE	9
804.1230	H PILES FURNISH & DRIVE 14 INCH 89 LB/FT	10
804.2120	PILE POINTS FOR H PILES 14 INCH X 89 LB/FT	10
806.1500	TIMBER FOR CURBS, RAILS & POSTS	10
808.0502	CONCRETE SUBSTRUCTURE CLASS XX 3/4" ABUT FOOTING	10
808.0504	CONCRETE SUBSTRUCTURE CLASS XX 3/4" WALL FOOTING	10
808.0505	CONCRETE SUBSTRUCTURE CLASS HP 3/4" WALL STEMS	10
808.0506	CONCRETE SUBSTRUCTURE CLASS HP 3/4" ABUT STEMS	11
808.0602	CONCRETE SUBSTRUCTURE CLASS HP 3/4" BACKWALLS	11
808.1501	CONCRETE SUPERSTRUCTURE CLASS HP 3/4" BRIDGE DECKS	11
808.1670	POLYURETHANE JOINT SEALANT	11
810.9901	GALVANIZED BAR REINFORCEMENT FOR STRUCTURES	11
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Table of Contents - Distribution of Quantities

Project Name - Northwest Bike Trail / Woonasquatucket River Bikeway C-4

Estimate Name - Addendum No. 2

R.I. Contract No. - 2012-CH-010

FAP Nos: HPP-4868(002)

ItemCode	Description	Page
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828.0303	ELASTOMERIC BEARINGS LAMINATED	13
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901.0193	GUARDRAIL STEEL BEAM SINGLE FACE STANDARD 34.2.0	13
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901.9902	FENCE POST	14
901.9903	WOOD RAIL	14
901.9904	WOOD GUARD RAIL	14
901.9906	PVC POST SLEEVE	14
903.9901	ACCESS CONTROL GATE	14
904.9901	ORANGE TEMPORARY CONSTRUCTION BARRIER	14
905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	15
905.0130	PORTLAND CEMENT CONCRETE MEDIAN 4' MONOLITHIC	15
906.0602	BITUMINOUS BERM STANDARD 7.5.1	15
906.9901	GRANITE CURB, QUARRY SPLIT STRAIGHT, 7" WIDE	15
906.9902	GRANITE CURB, QUARRY SPLIT CIRCULAR, 7" WIDE	15
906.9903	6' GRANITE TRANSITION CURB, QUARRY SPLIT SPECIAL TRANSITION 7" WIDE	16
906.9904	GRANITE WHEELCHAIR RAMP CURB, 7" WIDE	16
907.0100	WATER FOR DUST CONTROL	16
910.9901	MODULAR WALL	16
910.9902	REINFORCED MODULAR WALL	17
914.5010	FLAGPERSONS	17
914.5020	FLAGPERSONS - OVERTIME	17
920.0055	PLACED STONE RIPRAP R-3, R-4, R-5 STANDARD 8.3.0	17
920.0135	BEDDING FOR RIPRAP FS-2 STANDARD 8.3.0	17
920.0200	FILTER FABRIC FOR RIP-RAP	18
920.9901	REMOVE AND DISPOSE RIPRAP	18
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	18
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	18
929.0110	FIELD OFFICE	18
931.0110	CLEANING AND SWEEPING PAVEMENT	19
932.0100	CUTTING AND MATCHING ASPHALT	19
932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	19
932.0220	FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY	20
932.0230	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY	20
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	20
936.0110	MOBILIZATION	20
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	21
942.0100	** ITEM DELETED **	21
943.0200	TRAINEE MAN-HOURS	21
L01.0102	LOAM BORROW 4 INCHES DEEP	21
L02.0102	RESIDENTIAL SEEDING (TYPE 2)	21
L05.0502	ADHESIVE MULCH STABILIZER	22
L05.0505	EROSION CONTROL BLANKET	22
L06.9901	AMALANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 6-7' HT., B&B	22
L06.9902	LIRIODENDRON TULIPIFERA, TULIP TREE, 2.5-3" CAL., B&B	22
L06.9903	CORNUS FLORIDA "CHEROKEE PRINCESS", CHEROKEE PRINCESS FLOWERING DOGWOOD, 1.5-2" CAL., B&B	22
L06.9904	JUNIPERUS VIRGINIANA, EASTERN RED CEDAR, 5-6' HT., B&B	23

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ItemCode	Description	Page
L06.9905	ASTER NOVAE-ANGLIAE, NEW ENGLAND ASTER, #1 CONTAINER	23
L06.9906	CLETHRA ALNIFOLIA, SWEET PEPPERBUSH, 3-3.5' HT., CONTAINER	23
L15.9901	STEEL PIPE BOLLARD	23
T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	23
T15.1000	STREET SIGN ASSEMBLY STD. 24.6.1	25
T15.9901	REMOVE AND STACK EXISTING SIGN AND POST	25
T20.2004	4 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	25
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	25
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	26
T20.9901	EPOXY RESIN PAVEMENT MARKINGS WORDS "STOP AHEAD" ON BIKE PATH	26
401.9902	BITUMINOUS CONCRETE BASE CLASS 19 (2 1/2")	27
401.9903	BITUMINOUS CONCRETE CLASS 4.75 (1 1/2")	27
401.9904	BITUMINOUS CONCRETE SURFACE CLASS 12.5 (2")	27
707.2000	ADJUST FRAME AND GRATE TO GRADE	27
709.9901	CONCRETE HEADWALLS FOR MULTIPLE PIPE CULVERTS	28
901.9905	MODIFICATIONS TO BRIDGE GUARD RAIL	28
901.9907	POST AND BEAM FENCE	28
905.0122	BITUMINOUS SIDEWALK TYPE I-2 STANDARD 43.2.0	28
942.9901	DETECTABLE WARNING SYSTEM CAST-IN-PLACE	29

Distribution of Quantities

Project Name - Northwest Bike Trail / Woonasquatucket River Bikeway C-4

Estimate Name - Addendum No. 2

R.I. Contract No. - 2012-CH-010

FAP Nos: HPP-4868(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
064	901.9902	FENCE POST	EACH			
		OFFROAD BIKE PATH				
		STA. 100+00 TO 124+00		2.00	0028	01
Item 901.9902 Total:				2.00		
065	901.9903	WOOD RAIL	LF			
		OFFROAD BIKE PATH				
		STA. 100+00 TO 124+00		120.00	0028	01
Item 901.9903 Total:				120.00		
066	901.9904	WOOD GUARD RAIL	LF			
		OFFROAD BIKE PATH				
		STA. 100+00 TO 124+00		30.00	0028	01
Item 901.9904 Total:				30.00		
067	901.9906	PVC POST SLEEVE	EACH			
		OFFROAD BIKE PATH				
		STA. 100+00 TO 124+00		230.00	0028	01
Item 901.9906 Total:				230.00		
068	903.9901	ACCESS CONTROL GATE	EACH			
		OFFROAD BIKE PATH				
		STA. 100+40		1.00	0028	01
Item 903.9901 Total:				1.00		
069	904.9901	ORANGE TEMPORARY CONSTRUCTION BARRIER	LF			
		OFFROAD BIKE PATH				
		STA. 100+36 TO 106+14		575.00	0028	01
		STA. 106+63 TO 114+45 RT		898.00	0028	01
		STA. 115+08 TO 123+77 RT		767.00	0028	01
Item 904.9901 Total:				2,240.00		