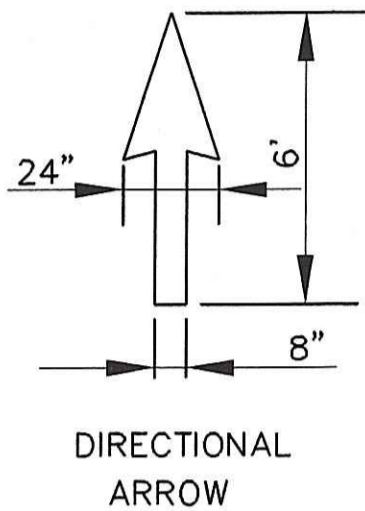
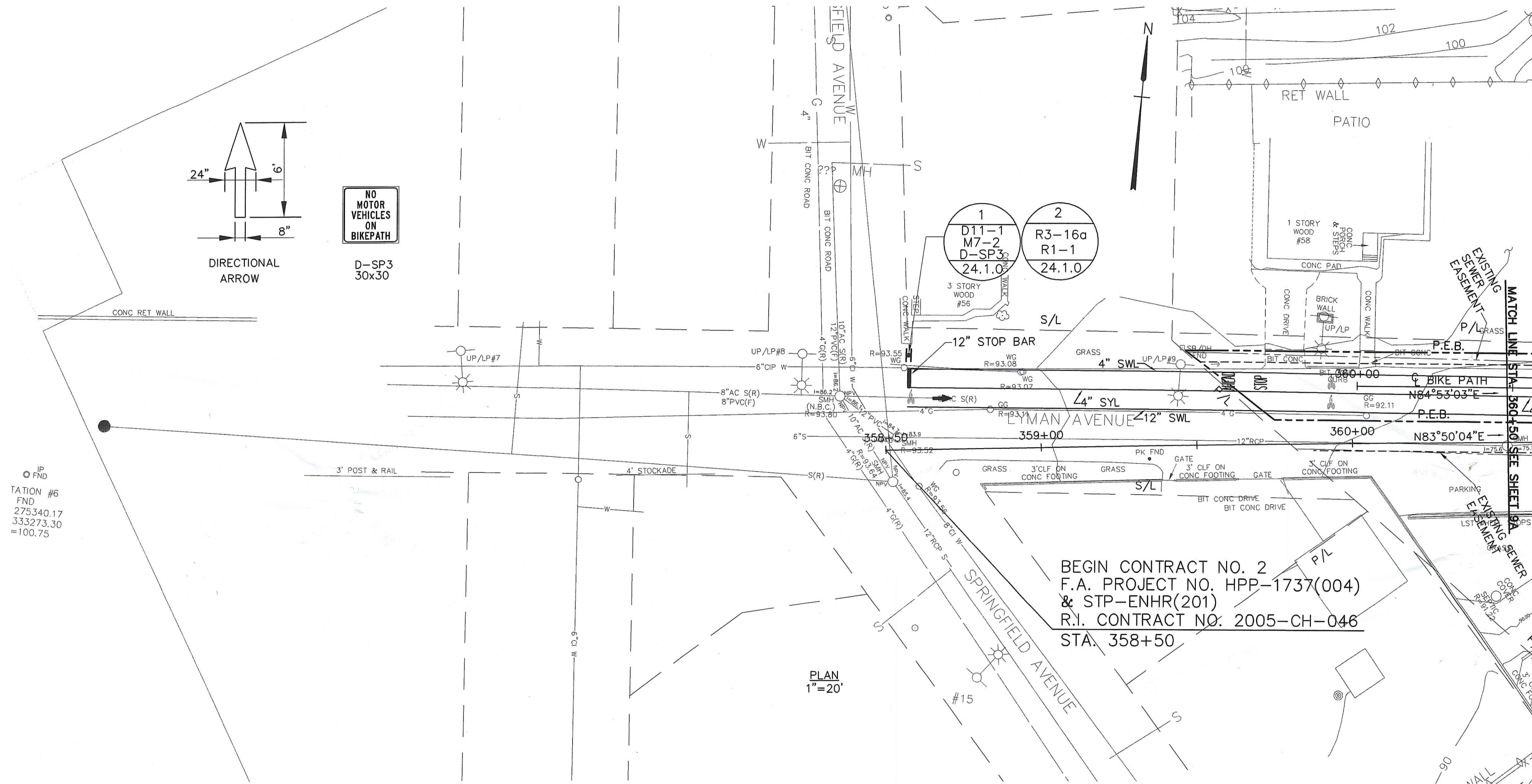


NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|--------------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 9 | |



NO MOTOR VEHICLES ON BIKEPATH
D-SP3
30x30

IP FND
TATION #6
FND
275340.17
333273.30
=100.75

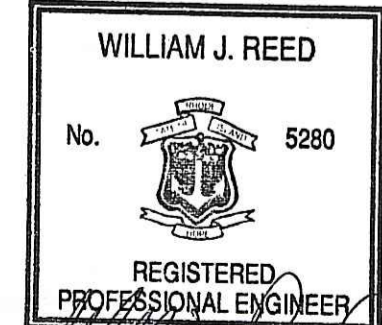
BEGIN CONTRACT NO. 2
F.A. PROJECT NO. HPP-1737(004)
& STP-ENHR(201)
R.I. CONTRACT NO. 2005-CH-046
STA. 358+50

PLAN
1"=20'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 27 2007 FILE # 07-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Caray

RECEIVED
JUL 13 2007



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

| NO | DATE | BY |
|----|---------|-----|
| 1 | 4/20/06 | SEA |

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY
PROVIDENCE AND JOHNSTON, RHODE ISLAND

GENERAL PLAN NO. 1

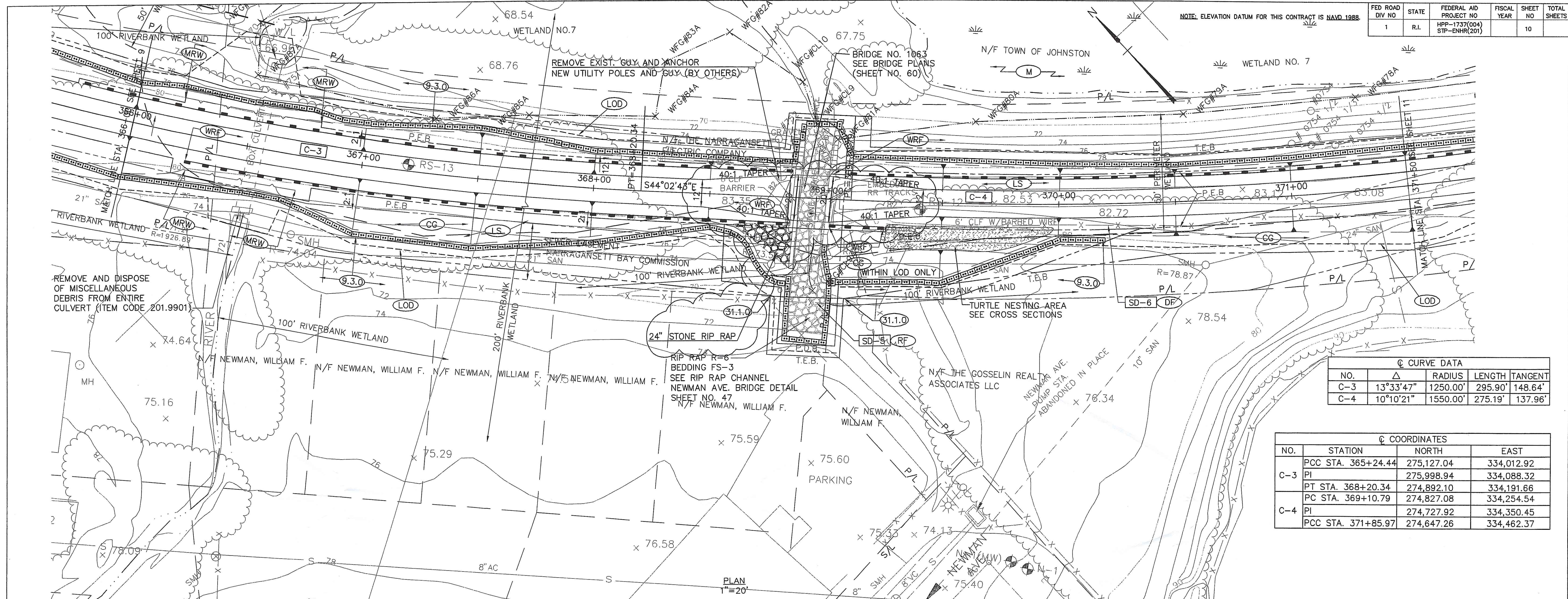
CHECKED BY _____ DATE _____ SCALE AS NOTED

REVISED PER DEM: PLAN SHEET NUMBERING

T:\PR-007.PR\Cont12\100pcedes\100%-plans\009-Gen01.dwg 04/03/07 15:04 [110.23] By: riesta_s

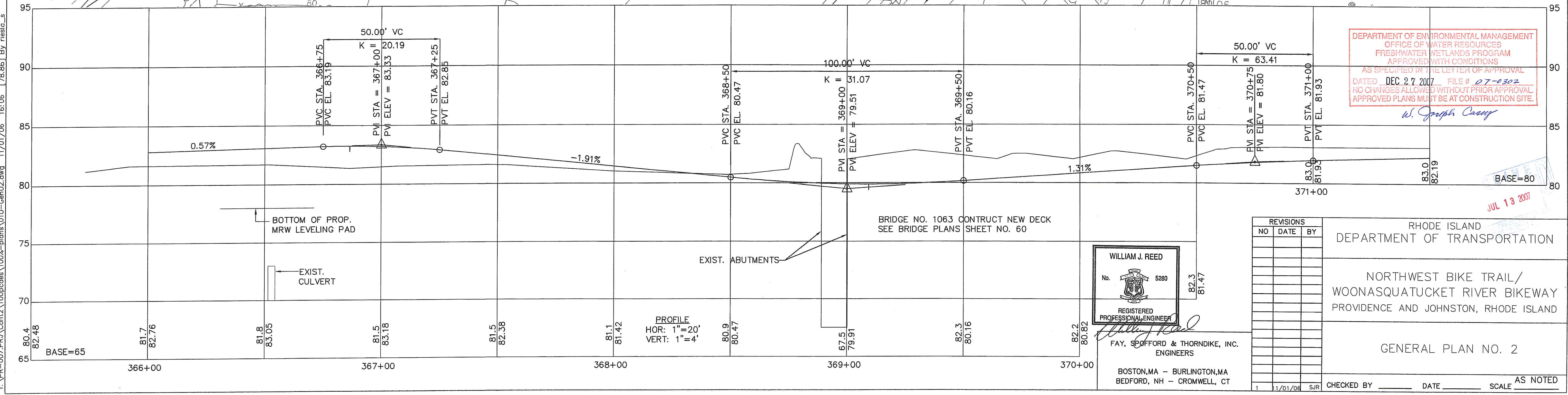
| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|-----------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 10 | |

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988



| C CURVE DATA | | | | |
|--------------|-----------|----------|---------|---------|
| NO. | Δ | RADIUS | LENGTH | TANGENT |
| C-3 | 13°33'47" | 1250.00' | 295.90' | 148.64' |
| C-4 | 10°10'21" | 1550.00' | 275.19' | 137.96' |

| C COORDINATES | | | |
|---------------|--------------------|------------|------------|
| NO. | STATION | NORTH | EAST |
| | PCC STA. 365+24.44 | 275,127.04 | 334,012.92 |
| C-3 | PI | 275,998.94 | 334,088.32 |
| | PT STA. 368+20.34 | 274,892.10 | 334,191.66 |
| | PC STA. 369+10.79 | 274,827.08 | 334,254.54 |
| C-4 | PI | 274,727.92 | 334,350.45 |
| | PCC STA. 371+85.97 | 274,647.26 | 334,462.37 |



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED DEC 27 2007 FILE # 07-0302
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
W. Joseph Conway

WILLIAM J. REED
 No. 5280
 REGISTERED PROFESSIONAL ENGINEER
 FAY, SPOFFORD & THORNDIKE, INC.
 ENGINEERS
 BOSTON, MA - BURLINGTON, MA
 BEDFORD, NH - CROMWELL, CT

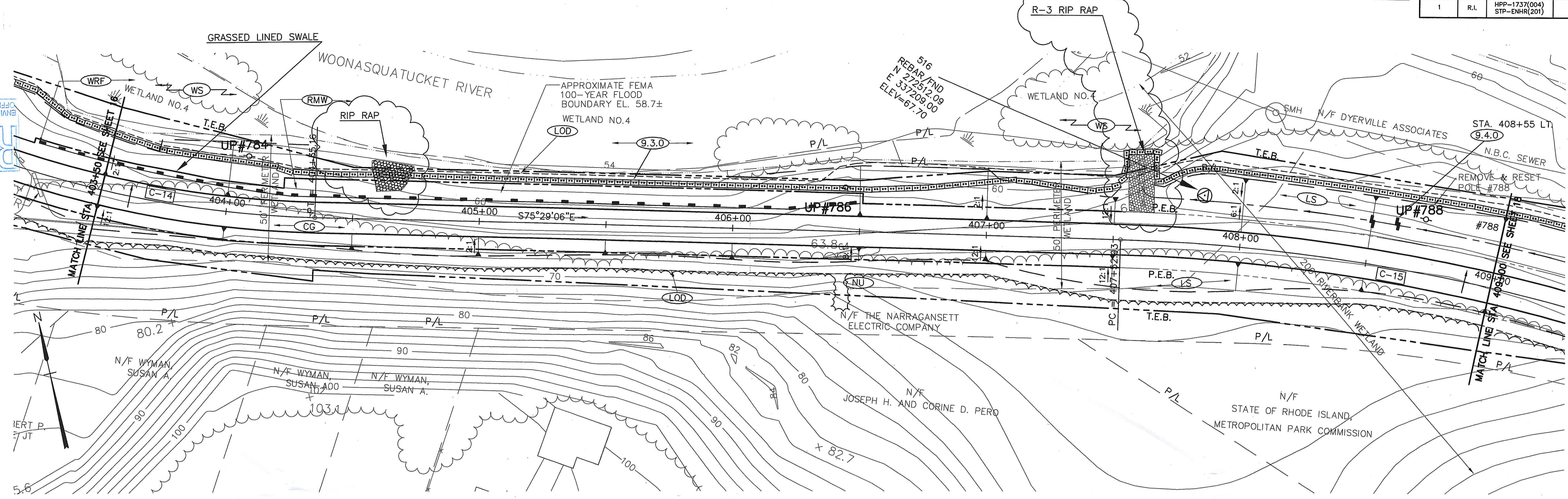
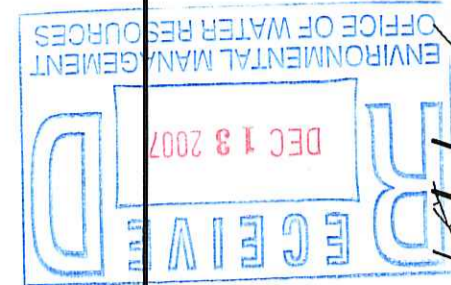
| REVISIONS | | |
|-----------|------|----|
| NO | DATE | BY |
| | | |
| | | |
| | | |

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND
 GENERAL PLAN NO. 2
 CHECKED BY _____ DATE _____ SCALE AS NOTED

T:\PR-007_PRA\Cont2\100pcdes\100%-plans\010-Gem02.dwg 11/01/06 16:06 [78.86] By: rista_s

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|-----------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 17 | |

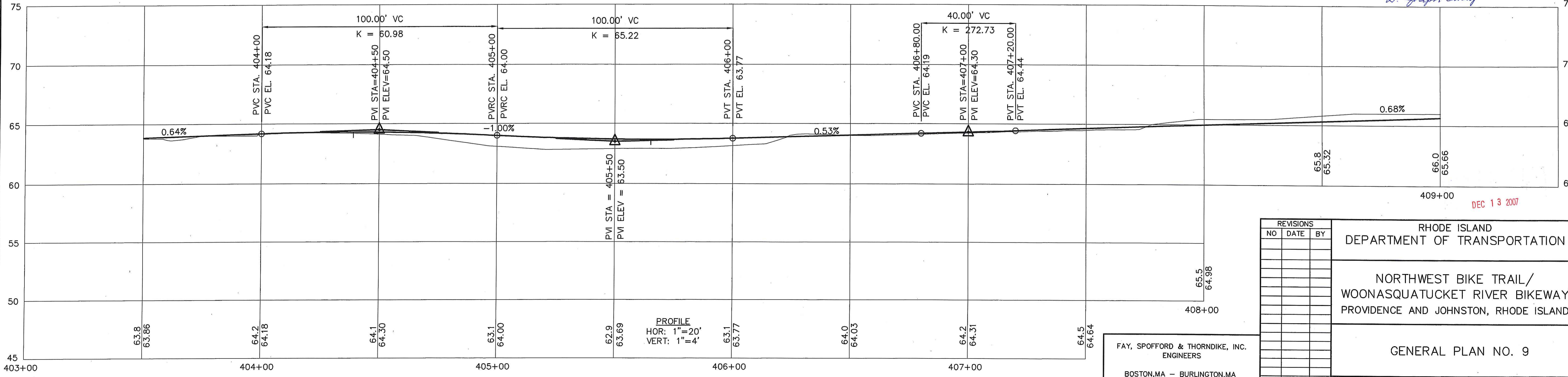


| NO. | STATION | NORTH | EAST |
|------|-------------------|------------|------------|
| C-14 | PC STA. 402+95.98 | 272,639.58 | 336,739.13 |
| | PI | 272,599.81 | 336,797.10 |
| | PT STA. 404+35.16 | 272,582.19 | 336,865.16 |
| C-15 | PC STA. 407+52.93 | 272,502.55 | 337,172.78 |
| | PT STA. 414+03.77 | 272,102.49 | 337,660.25 |

| NO. | Δ | RADIUS | LENGTH | TANGENT |
|------|-----------|---------|---------|---------|
| C-14 | 19°56'08" | 400.00' | 139.18' | 70.30' |
| C-15 | 49°43'15" | 750.00' | 650.84' | 347.51' |

PLAN
1"=20'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 27 2007 FILE # 07-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
W. Joseph Conway



PROFILE
HOR: 1"=20'
VERT: 1"=4'

| NO | DATE | BY |
|----|----------|-----|
| 2 | 10/22/07 | SJR |
| 1 | 11/03/08 | SJR |

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY
PROVIDENCE AND JOHNSTON, RHODE ISLAND

GENERAL PLAN NO. 9

CHECKED BY _____ DATE _____ SCALE AS NOTED

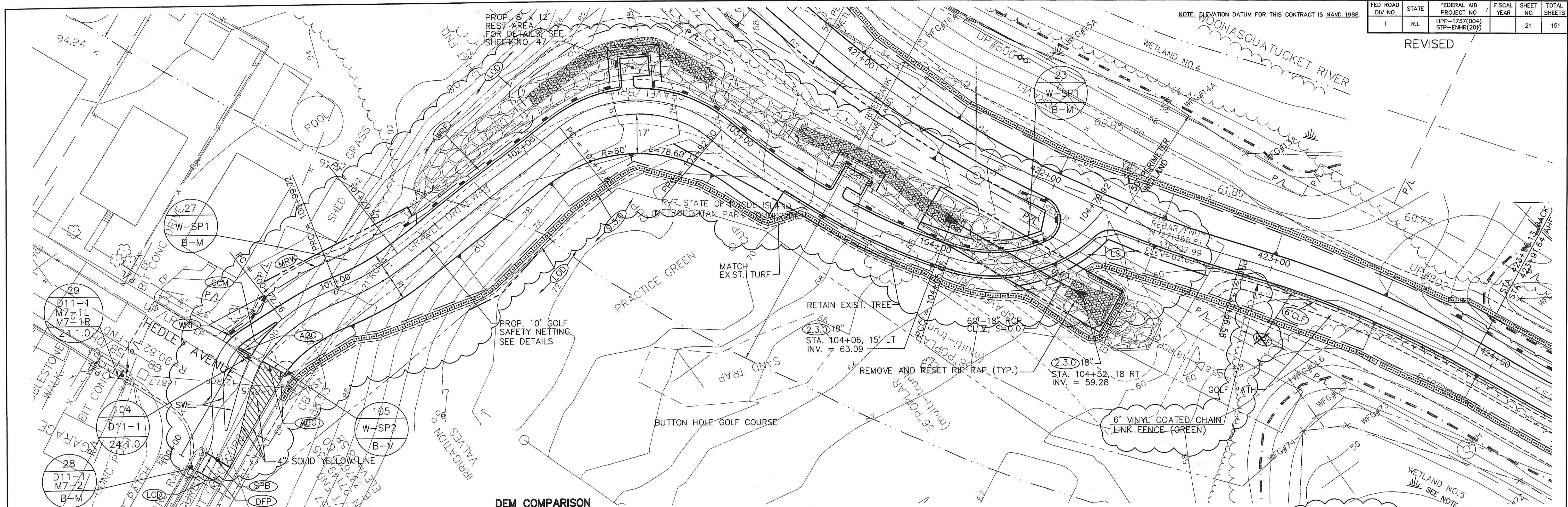
FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS
BOSTON, MA - BURLINGTON, MA
BEDFORD, NH - CROMWELL, CT

I:\PR-007\PR\A\Cont2\Construction-Services\DEM\017-Gen09_RI.dwg 10/23/07 14:34 [72.27] By: Rieblo...

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|-----------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(207) | | 21 | 151 |

REVISED

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.

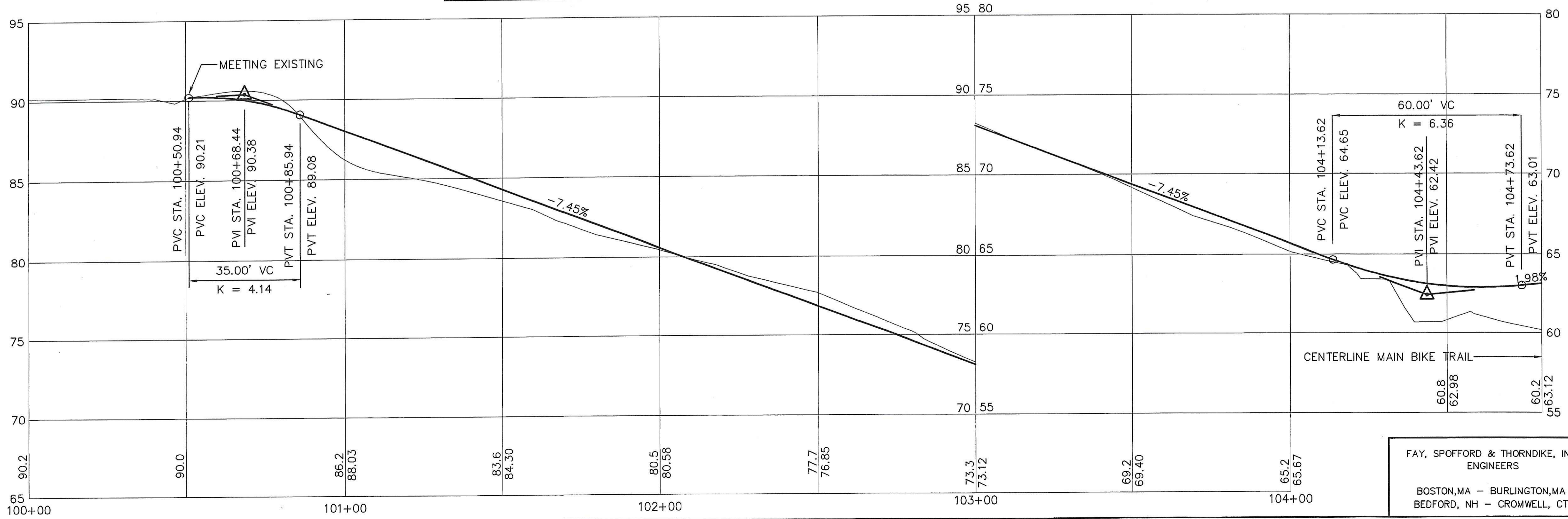


DEM COMPARISON

| | PREVIOUSLY APPROVED | MODIFICATION |
|----------------------------|---|---|
| 100-YR FLOOD PLAIN IMPACTS | 0 SF | 0 SF |
| 200' RIVERBANK AREA | 12,864 SF PERMANENT 5,483 SF TEMPORARY | 11,100 SF PERMANENT 2,900 SF TEMPORARY |
| TOTAL | 18,647 SF | 14,000 SF |
| 18" RCP CL.V | L = 25' S = 0.015 | L = 60' S = 0.070 |

PLAN
1"=20'

NOTE: 6' CHAIN LINK FENCE
1. WOOD-RAIL FENCE EXTENDS FROM STA. 104+25 TO BRIDGE NO. 1064 (SEE GENERAL PLANS NO. 12 AND 14)



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 27 2007 FILE # 07-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Cunniff

WILLIAM J. REED
No. 5280
REGISTERED PROFESSIONAL ENGINEER

| NO | DATE | BY |
|----|---------|-----|
| 2 | 11/1/06 | SJR |
| 1 | 3/30/08 | SEA |

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

NORTHWEST BIKE TRAIL/
WOONASQUATTUCKET RIVER BIKEWAY
PROVIDENCE AND JOHNSTON, RHODE ISLAND

GENERAL PLAN NO. 13

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

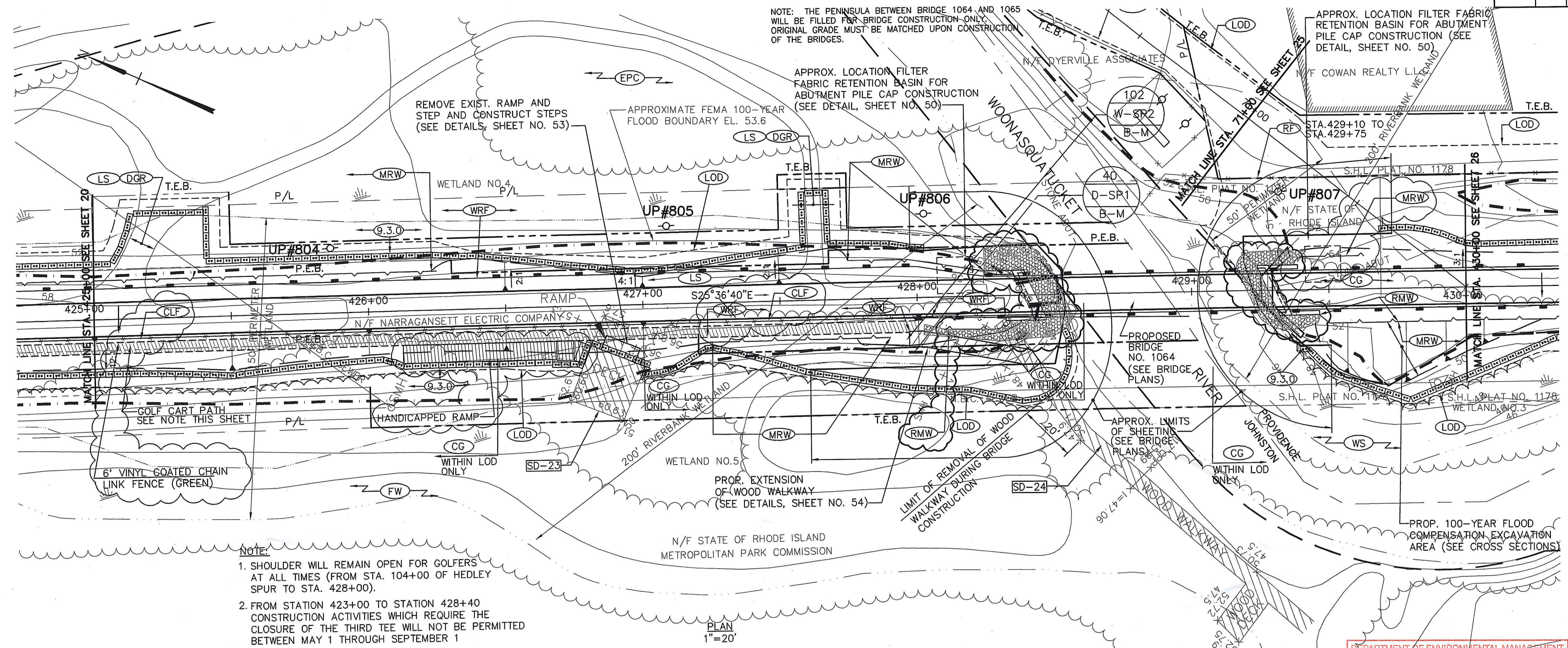
CHECKED BY _____ DATE _____ SCALE AS NOTED

T:\PR-007\PRJ\Cont12\100pedes\1002-plans\021-GEN\13.dwg 11/09/06 12:11 [162.75] By: rreale_s

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|----------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENR(201) | | 24 | |

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988

RECEIVED
 DEC 13 2007
 ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES

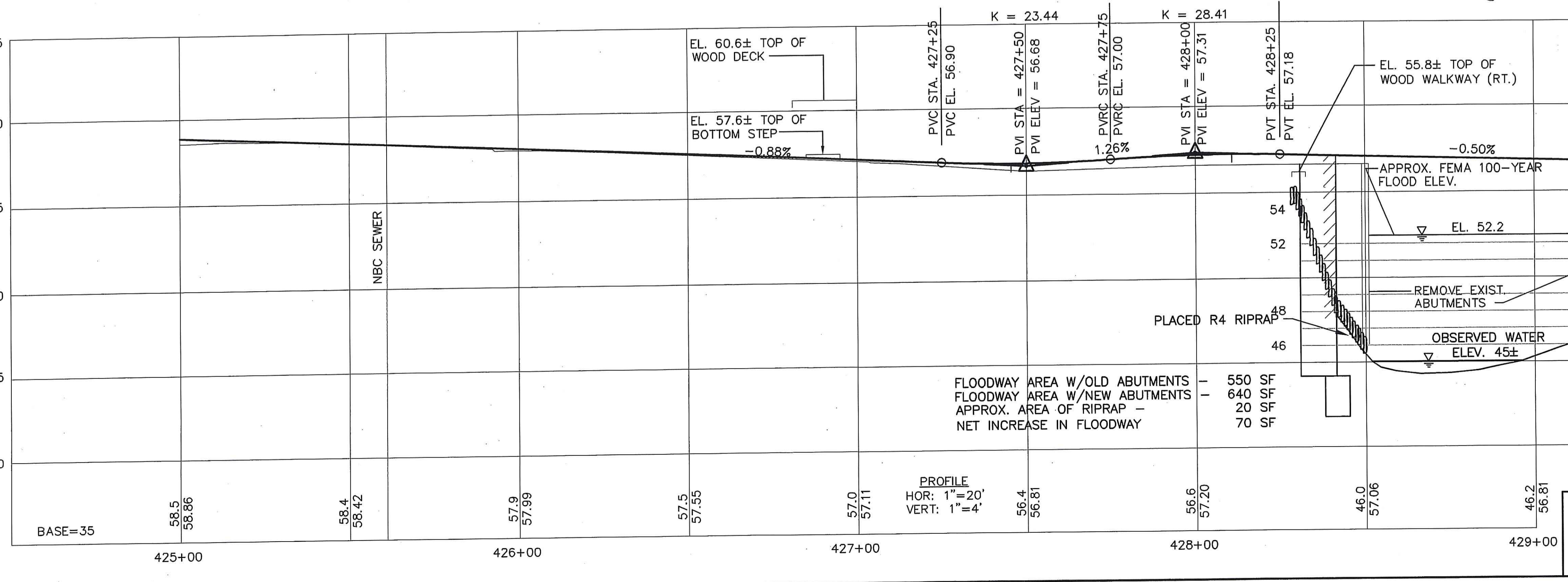


- NOTE:**
- SHOULDER WILL REMAIN OPEN FOR GOLFERS AT ALL TIMES (FROM STA. 104+00 OF HEDLEY SPUR TO STA. 428+00).
 - FROM STATION 423+00 TO STATION 428+40 CONSTRUCTION ACTIVITIES WHICH REQUIRE THE CLOSURE OF THE THIRD TEE WILL NOT BE PERMITTED BETWEEN MAY 1 THROUGH SEPTEMBER 1

PLAN
1"=20'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED DEC 27 2007 FILE # 07-0302
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DEC 13 2007



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

| REVISIONS | | |
|-----------|----------|-----|
| NO | DATE | BY |
| 4 | 10/22/07 | SJR |
| 3 | 10/9/07 | SJR |
| 2 | 02/15/07 | SJR |
| 1 | 11/01/06 | SJR |

ATTACHMENT B
 RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND
 GENERAL PLAN NO. 14

CHECKED BY _____ DATE _____ SCALE _____ AS NOTED

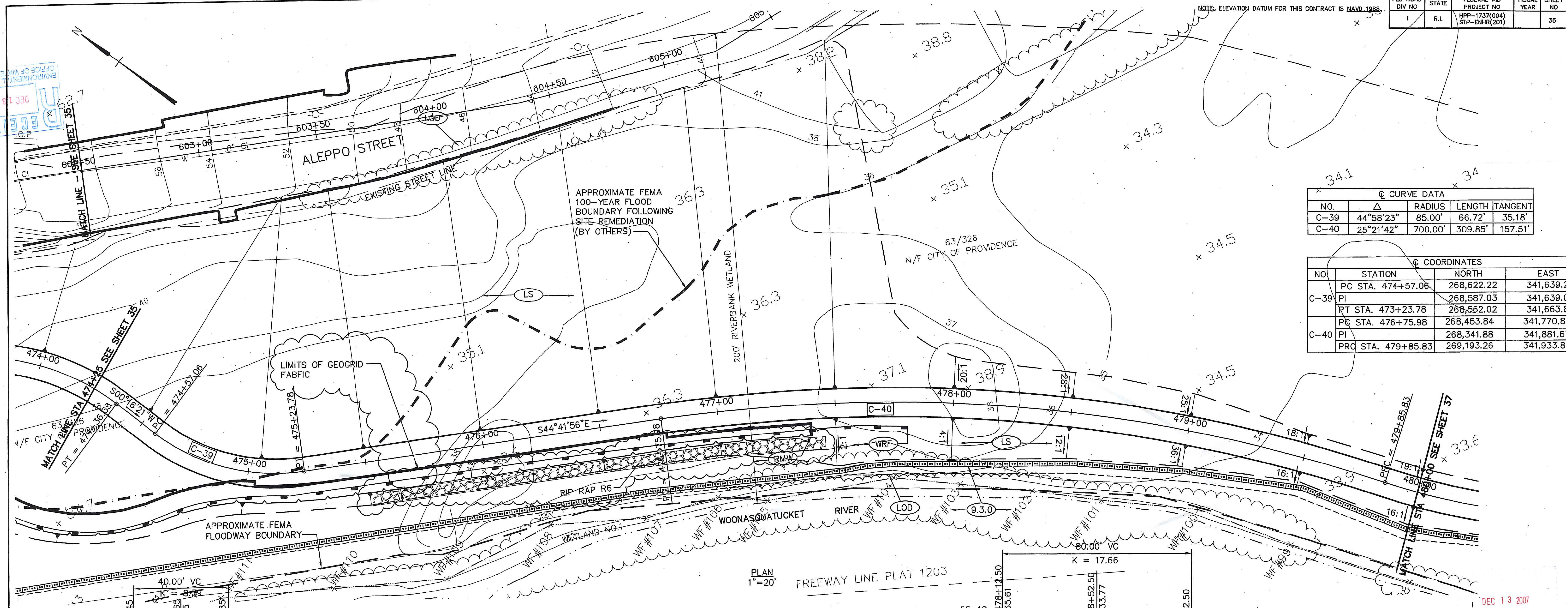
WILLIAM J. REED
 No. 5580
 REGISTERED
 PROFESSIONAL ENGINEER
 10-23-07

T:\PR-007\PR\Cont\100\pcedes\100%plans\024-Sem14.dwg 10/23/07 15:57 [100.84] By Risa@_s

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO |
|-----------------|-------|----------------------------|-------------|----------|
| 1 | R.I. | HPP-1737(004) STP-EHR(201) | | 36 |

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.

RECEIVED
DEC 13 2007
OFFICE OF WATER RESOURCES
ENVIRONMENTAL MANAGEMENT



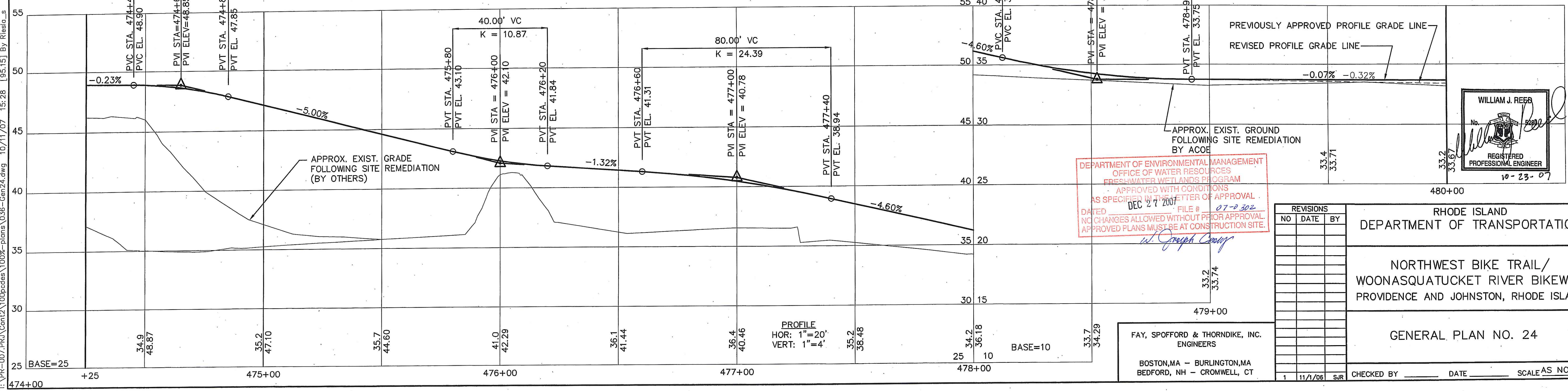
Δ CURVE DATA

| NO. | Δ | RADIUS | LENGTH | TANGENT |
|------|-----------|---------|---------|---------|
| C-39 | 44°58'23" | 85.00' | 66.72' | 35.18' |
| C-40 | 25°21'42" | 700.00' | 309.85' | 157.51' |

Δ COORDINATES

| NO. | STATION | NORTH | EAST |
|------|--------------------|------------|-----------|
| C-39 | PC STA. 474+57.06 | 268,622.22 | 341,639.2 |
| | PI | 268,587.03 | 341,639.0 |
| | PT STA. 473+23.78 | 268,562.02 | 341,663.8 |
| C-40 | PC STA. 476+75.98 | 268,453.84 | 341,770.8 |
| | PI | 268,341.88 | 341,881.6 |
| | PRC STA. 479+85.83 | 269,193.26 | 341,933.8 |

PLAN 1"=20'
FREEWAY LINE PLAT 1203



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 27 2007 FILE # 07-2302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

WILLIAM J. REED
REGISTERED PROFESSIONAL ENGINEER
10-23-07

REVISIONS

| NO. | DATE | BY |
|-----|---------|-----|
| 1 | 11/1/06 | SJR |

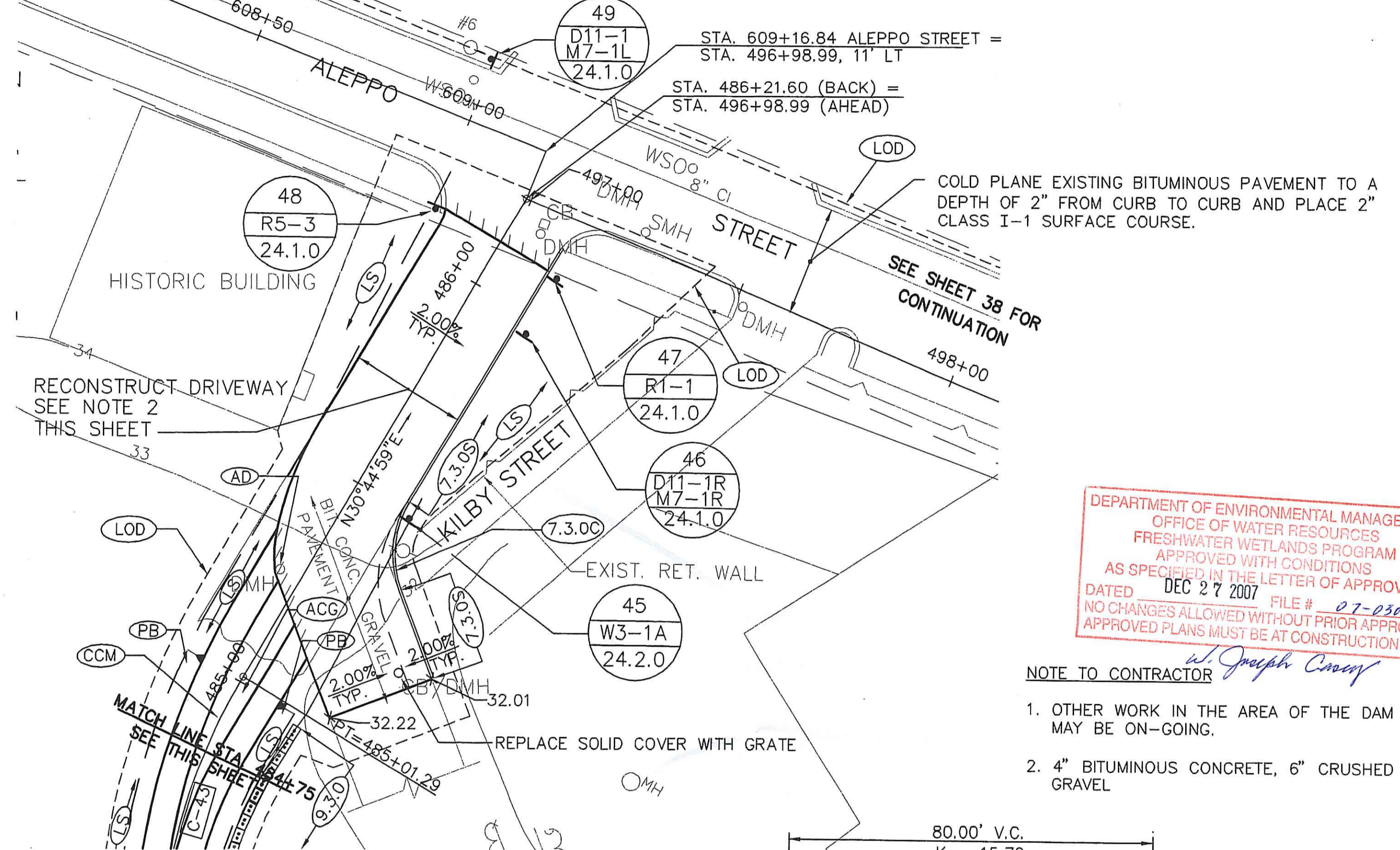
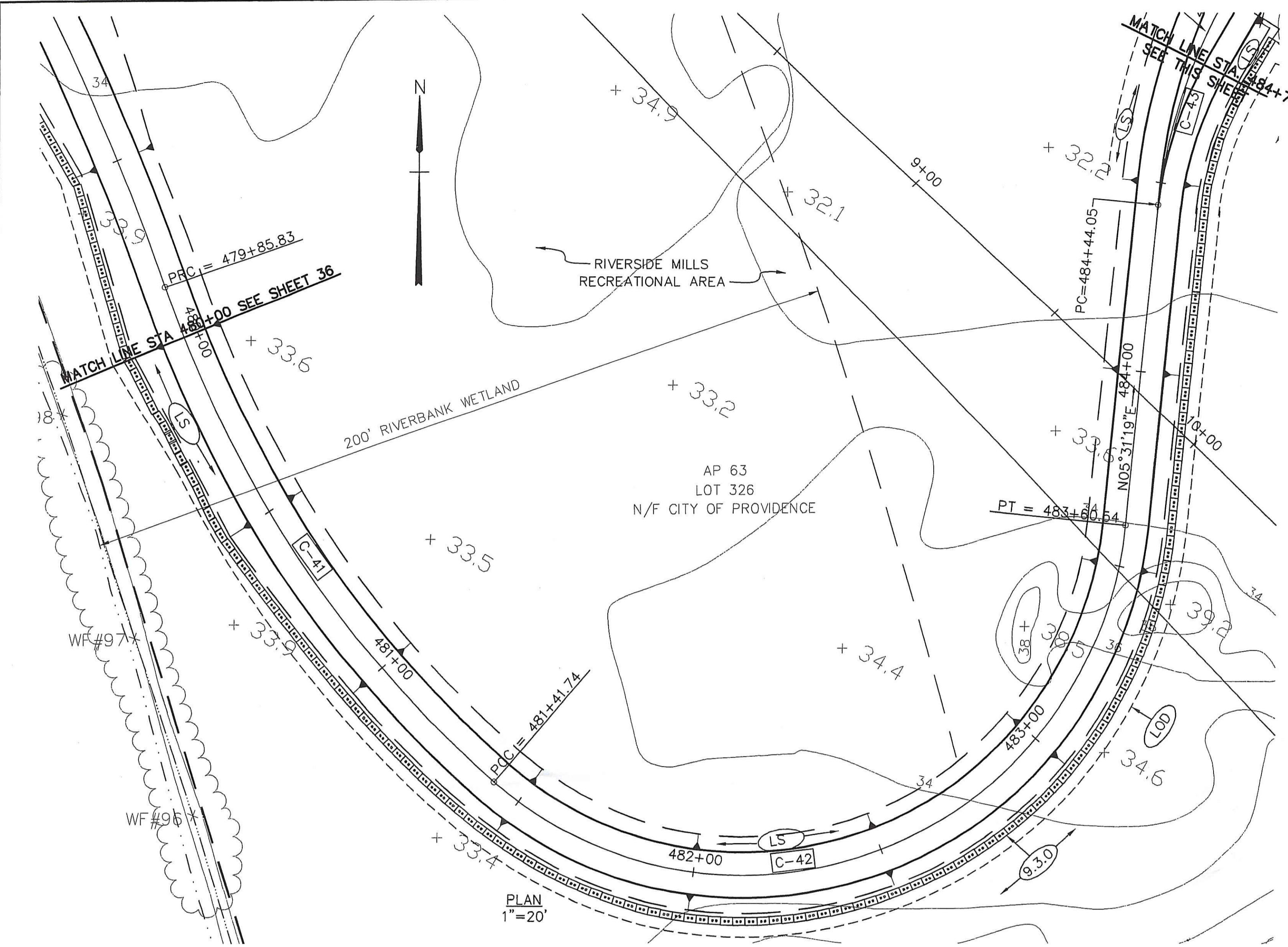
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY
PROVIDENCE AND JOHNSTON, RHODE ISLAND
GENERAL PLAN NO. 24
CHECKED BY _____ DATE _____ SCALE AS NO

T:\PR-007_PRA\Cont2\100pcdes\100pc-plans\036-Gen24.dwg 10/11/07 15:28 [95.15] By Rrisold

| COORDINATES | | | |
|-------------|--------------------|------------|------------|
| NO. | STATION | NORTH | EAST |
| | PRC STA. 489+85.83 | 268,193.26 | 341,933.82 |
| C-41 | PI | 268,118.00 | 341,960.23 |
| | PCC STA. 481+41.74 | 268,065.79 | 342,020.53 |
| | PCC STA. 481+41.74 | 268,065.79 | 342,020.53 |
| C-42 | PI | 267,939.08 | 342,166.90 |
| | PT STA. 483+60.54 | 268,131.77 | 342,185.52 |
| | PC STA. 484+44.05 | 268,214.89 | 342,193.56 |
| C-43 | PI | 268,243.85 | 342,196.36 |
| | PT STA. 485+01.29 | 268,268.85 | 342,211.23 |

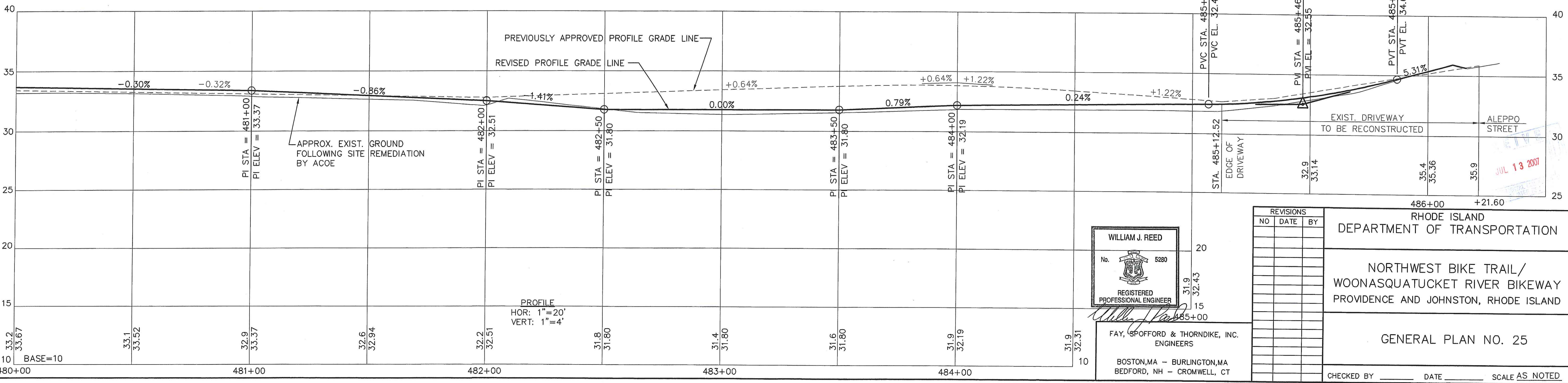
| CURVE DATA | | | | |
|------------|------------|---------|---------|---------|
| NO. | Δ | RADIUS | LENGTH | TANGENT |
| C-41 | 29°46'39" | 300.00' | 155.91' | 79.76' |
| C-42 | 125°21'49" | 100.00' | 218.80' | 193.60' |
| C-43 | 25°13'40" | 130.00' | 57.24' | 29.09' |

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|-----------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 37 | |



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
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 DATED DEC 27 2007 FILE # 07-0302
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

- NOTE TO CONTRACTOR
- OTHER WORK IN THE AREA OF THE DAM MAY BE ON-GOING.
 - 4" BITUMINOUS CONCRETE, 6" CRUSHED GRAVEL



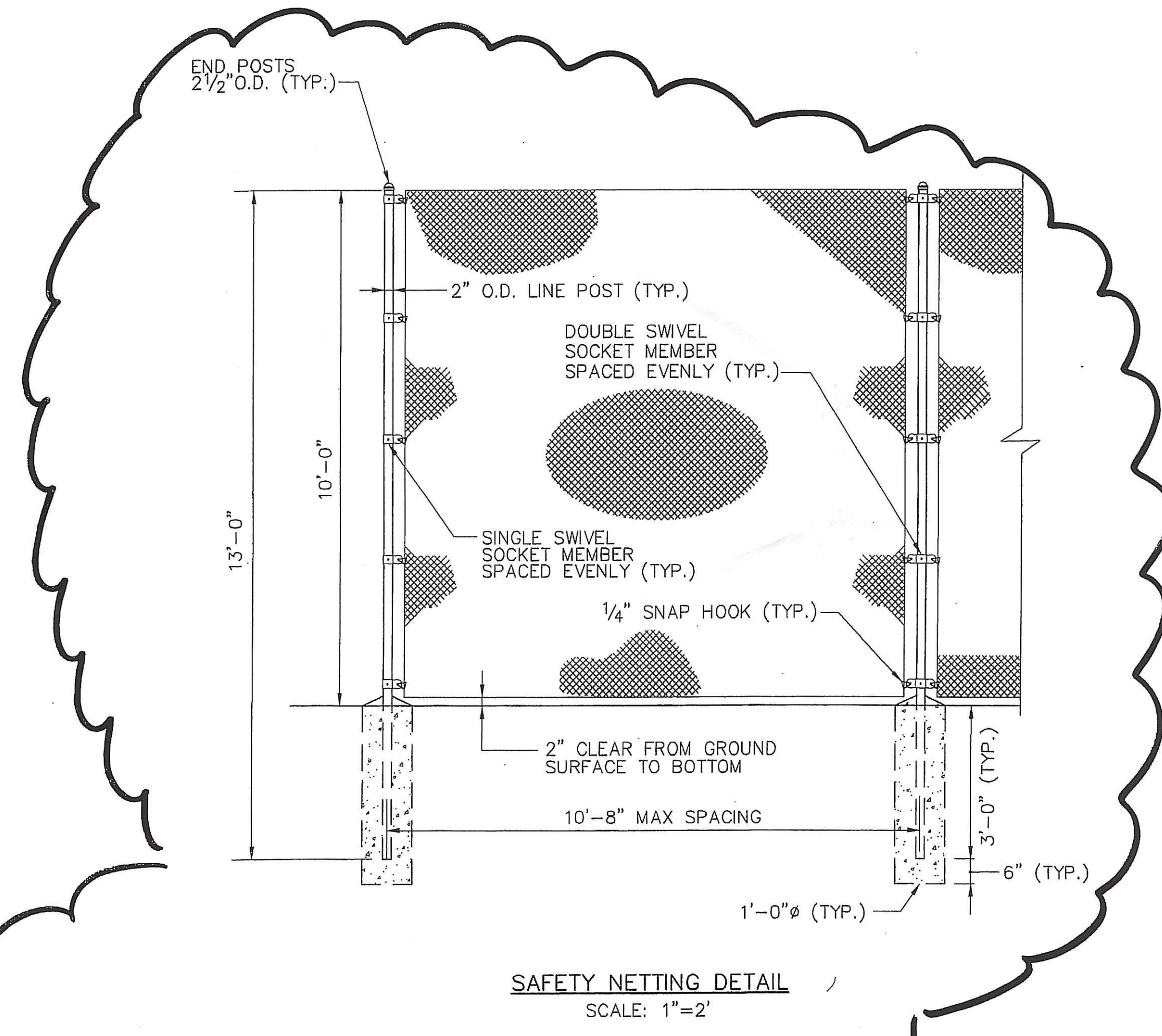
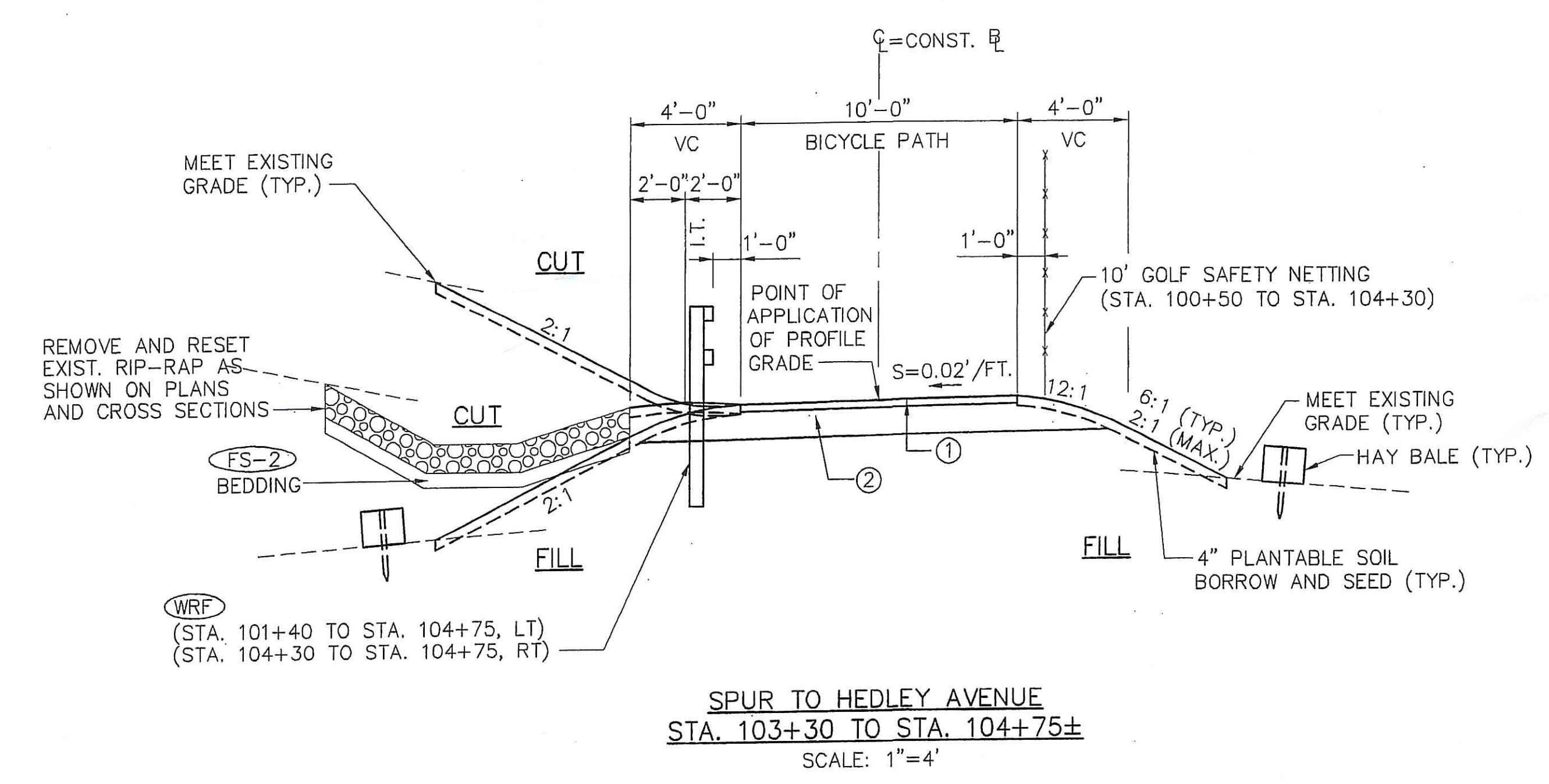
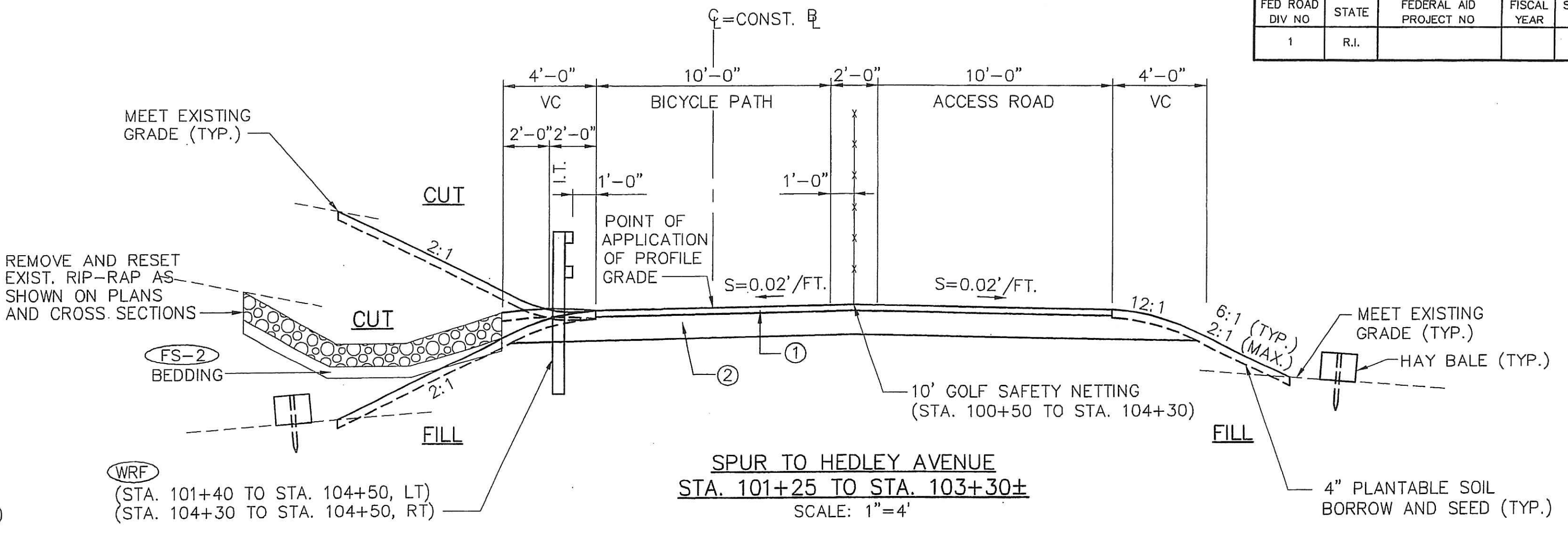
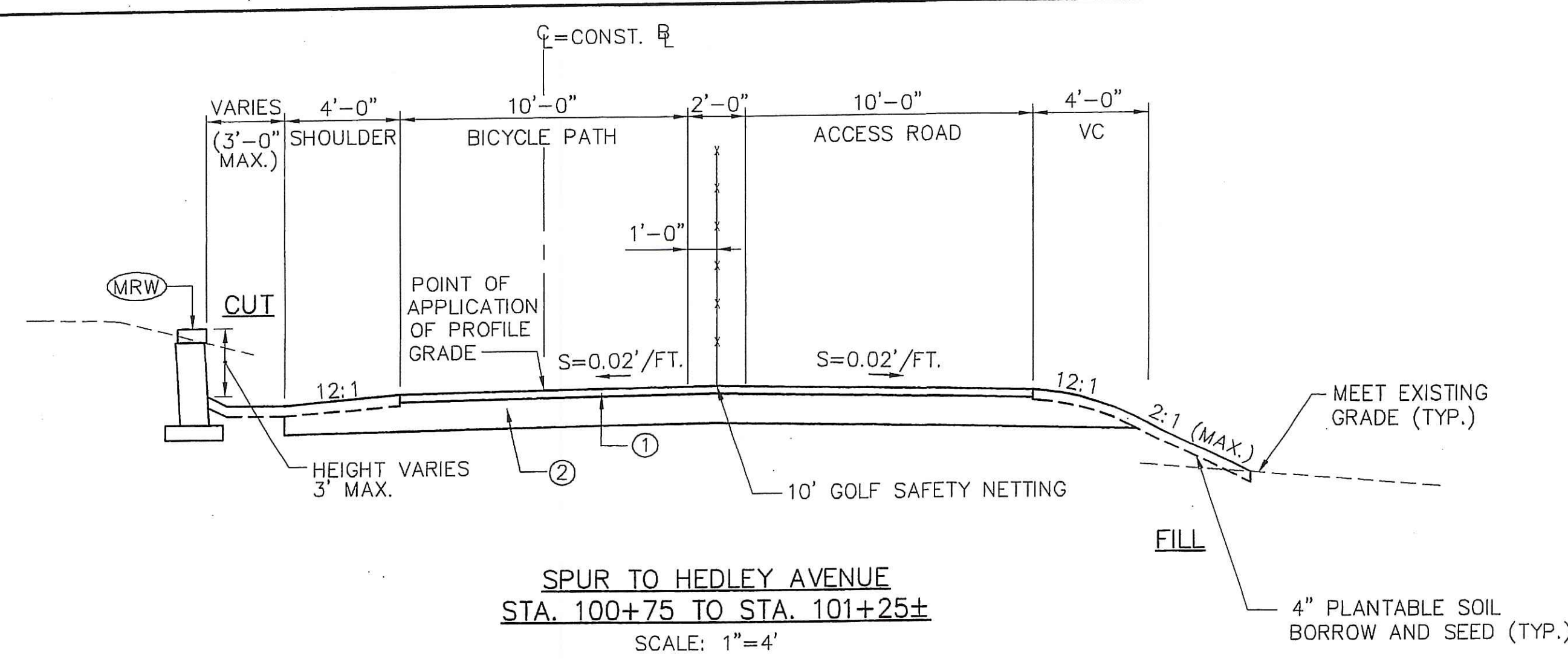
WILLIAM J. REED
 No. 5280
 REGISTERED PROFESSIONAL ENGINEER
 FAY, SPOFFORD & THORNDIKE, INC. ENGINEERS
 BOSTON, MA - BURLINGTON, MA
 BEDFORD, NH - CROWELL, CT

| REVISIONS | | |
|-----------|------|----|
| NO. | DATE | BY |
| | | |
| | | |
| | | |

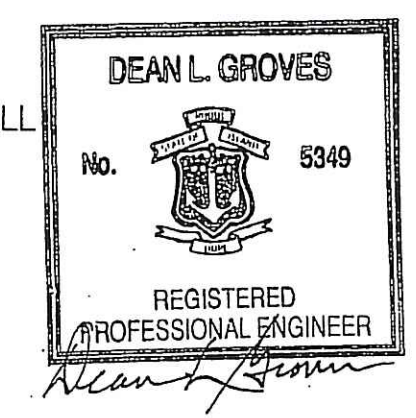
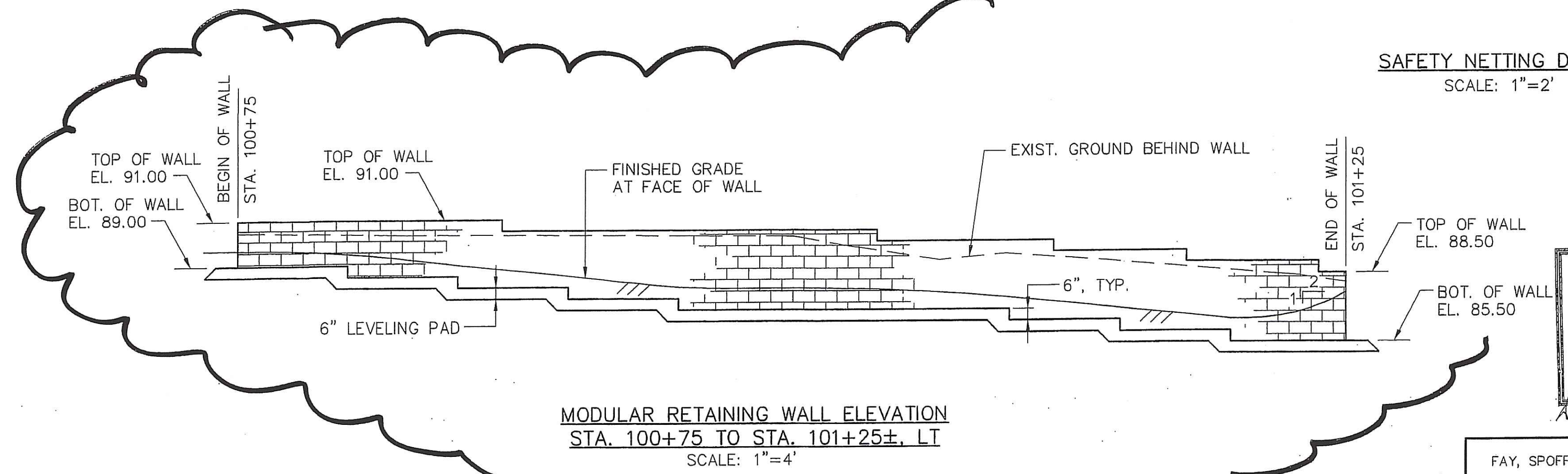
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
 NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND
 GENERAL PLAN NO. 25
 CHECKED BY _____ DATE _____ SCALE AS NOTED

I:\PR-007\FRA\Cont2\100pcdes\100%-plans\037-Gen25.dwg 11/09/06 10:36 [66.25] By: arnold_s

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|------------------------|-------------|----------|--------------|
| 1 | R.I. | | | | |



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 27 2007 FILE # 07-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
W. Joseph Conroy



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

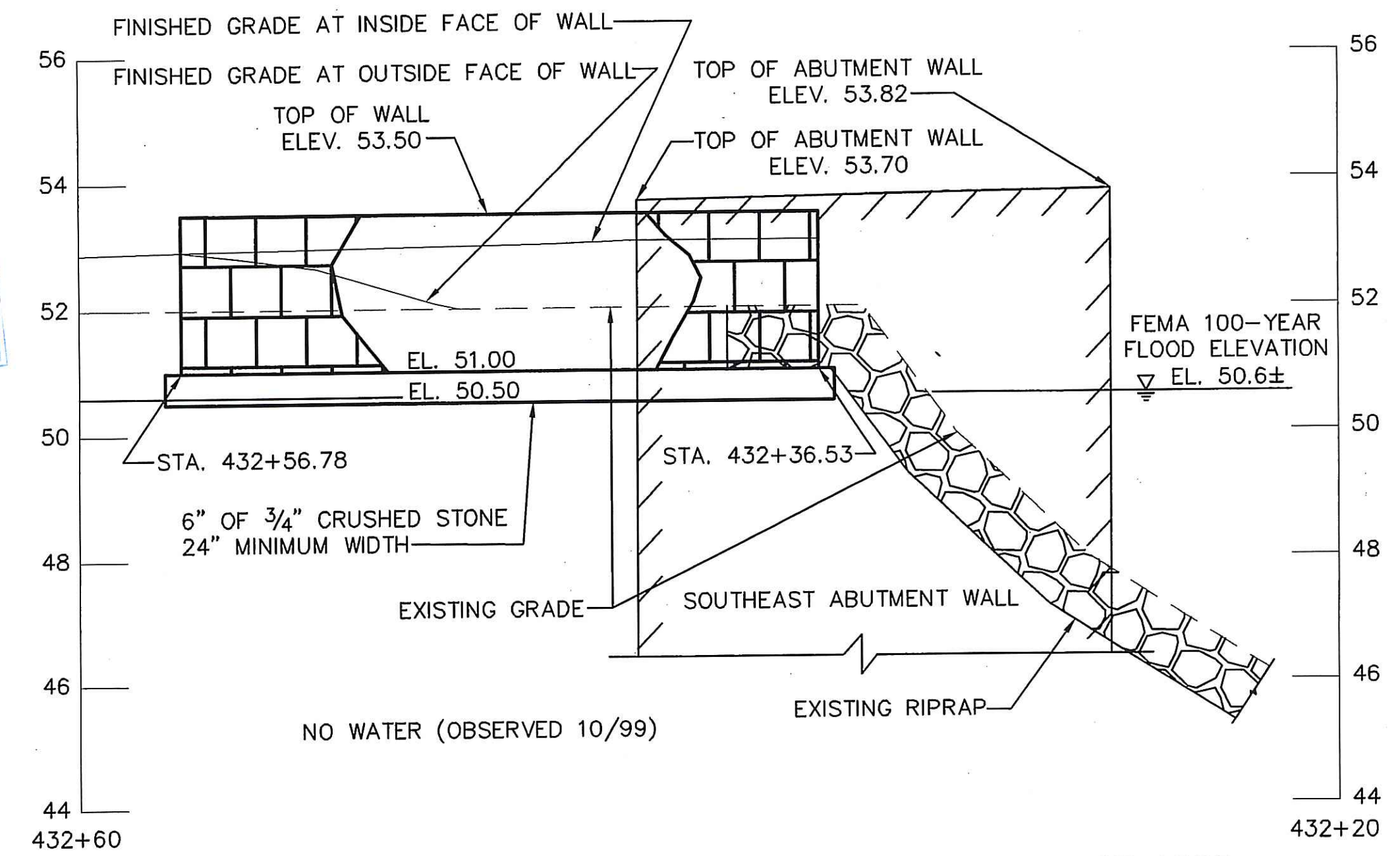
| REVISIONS | | | RHODE ISLAND DEPARTMENT OF TRANSPORTATION | |
|-----------|---------|-----|--|------|
| NO | DATE | BY | | |
| 1 | 3/30/06 | SEA | NORTHWEST BIKE TRAIL/ WOONASQUATUCKET RIVER BIKEWAY PROVIDENCE, RHODE ISLAND | |
| | | | HEDLEY SPUR TYPICAL SECTIONS AND DETAILS | |
| | | | CHECKED BY | DATE |
| | | | SCALE AS NOTED | |

RECEIVED
JUL 13 2007

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|--------------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | | |

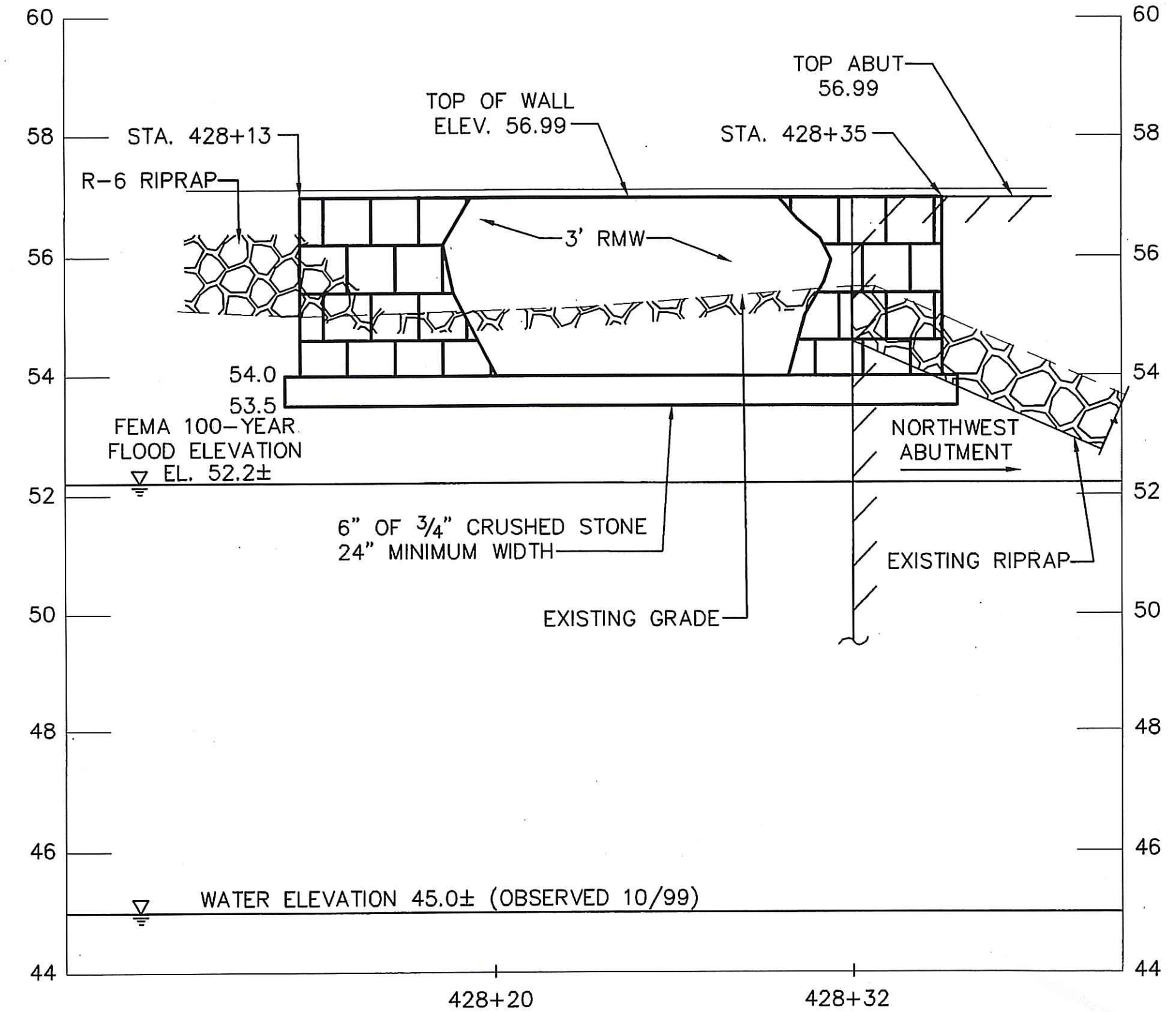
NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.

RECEIVED
 DEC 13 2007
 ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES



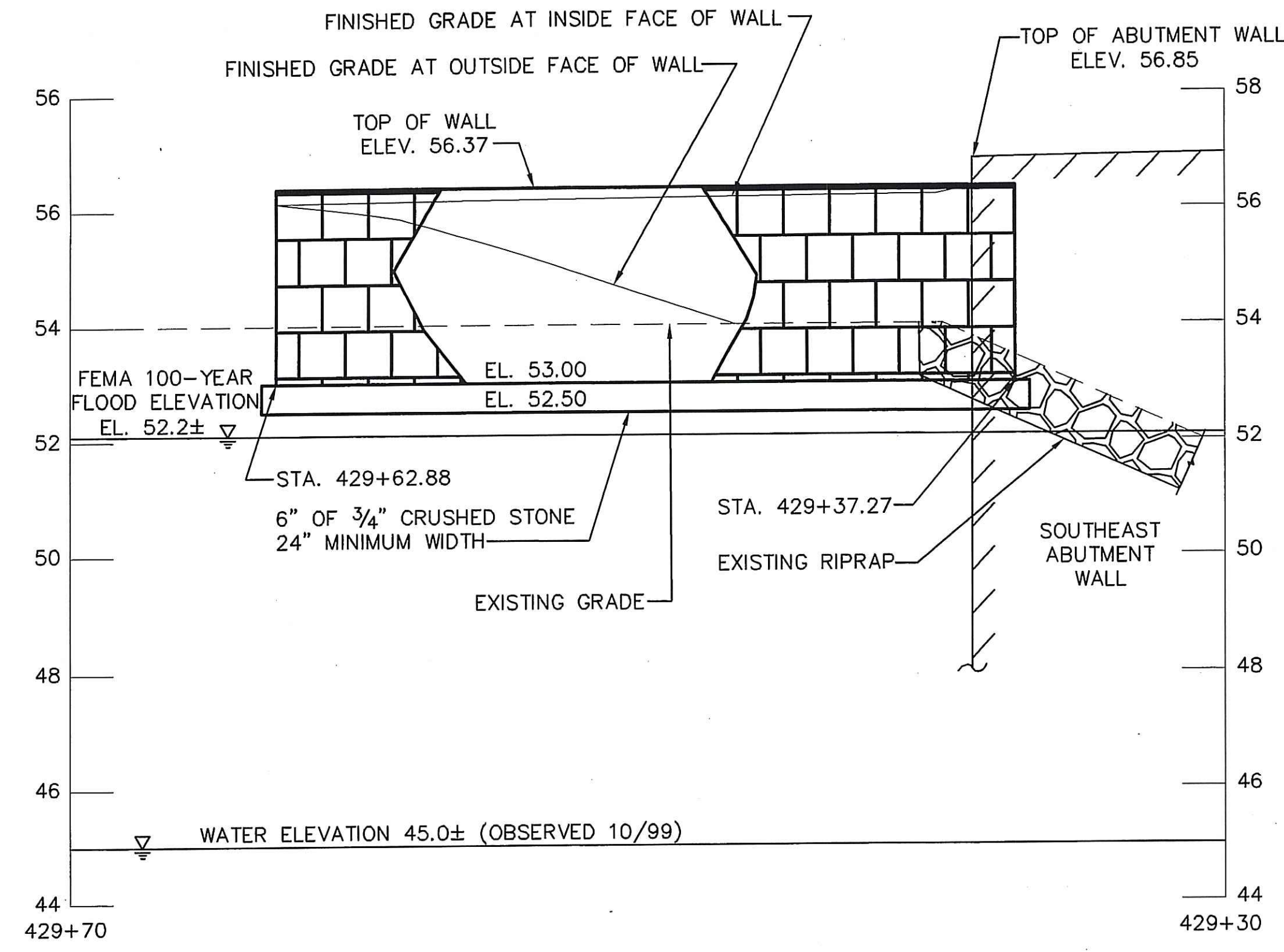
SKETCH - PROFILE ALONG PROPOSED MRW AT BRIDGE 1065
 SCALE: 1"=4' HOR.
 1"=2' VERT.

REFERENCE DRAWING: GENERAL PLAN NO. 15



SKETCH - PROFILE ALONG PROPOSED RMW AT BRIDGE 1064
 SCALE: 1"=4' HOR.
 1"=2' VERT.

REFERENCE DRAWING: GENERAL PLAN NO. 14



SKETCH - PROFILE ALONG PROPOSED MRW AT BRIDGE 1064
 SCALE: 1"=4' HOR.
 1"=2' VERT.

REFERENCE DRAWING: GENERAL PLAN NO. 14

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Cray
 DEC 13 2007

WILLIAM J. REED
 No. 52607
 REGISTERED PROFESSIONAL ENGINEER
 10-23-07

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

| REVISIONS | | |
|-----------|----------|-----|
| NO | DATE | BY |
| 2 | 10/22/07 | SJR |
| 1 | 10/11/07 | SJR |

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

 NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND

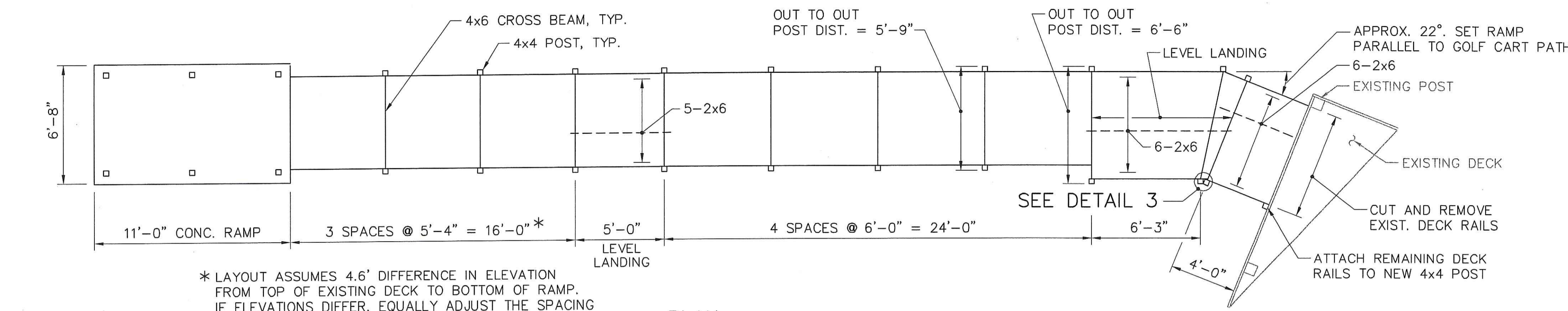
 ADDITIONAL MODULAR WALL
 ELEVATIONS

 CHECKED BY _____ DATE _____ SCALE AS NOTED

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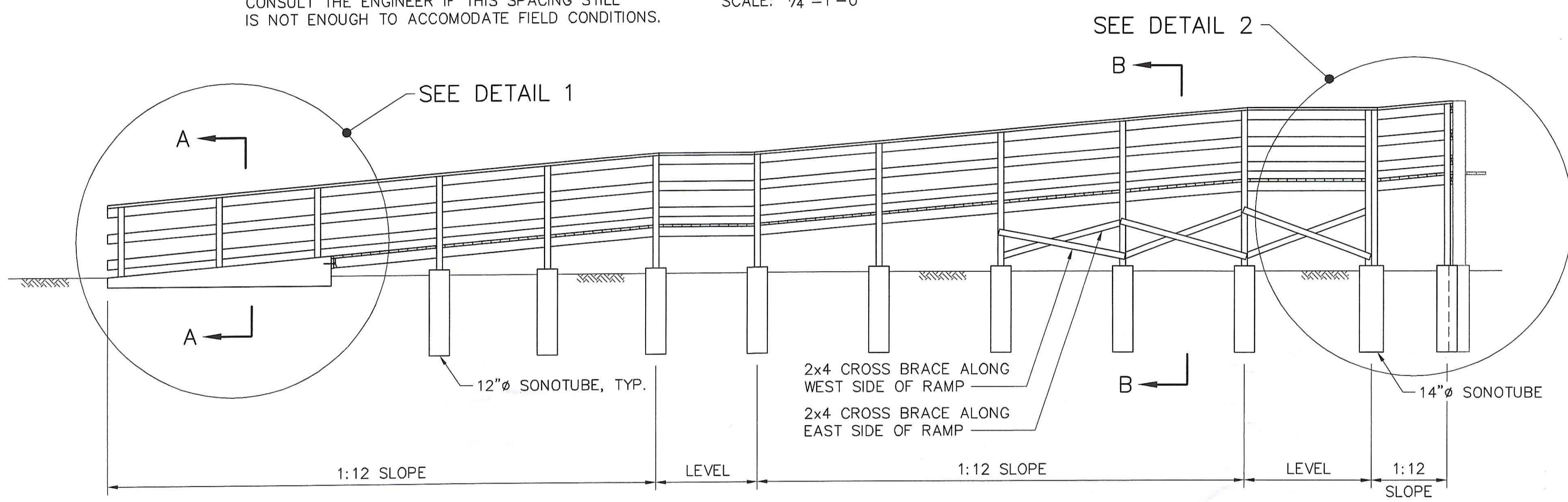
| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|--------------------|-------|-----------------------------|-------------|-----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 52A | 157 |

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.

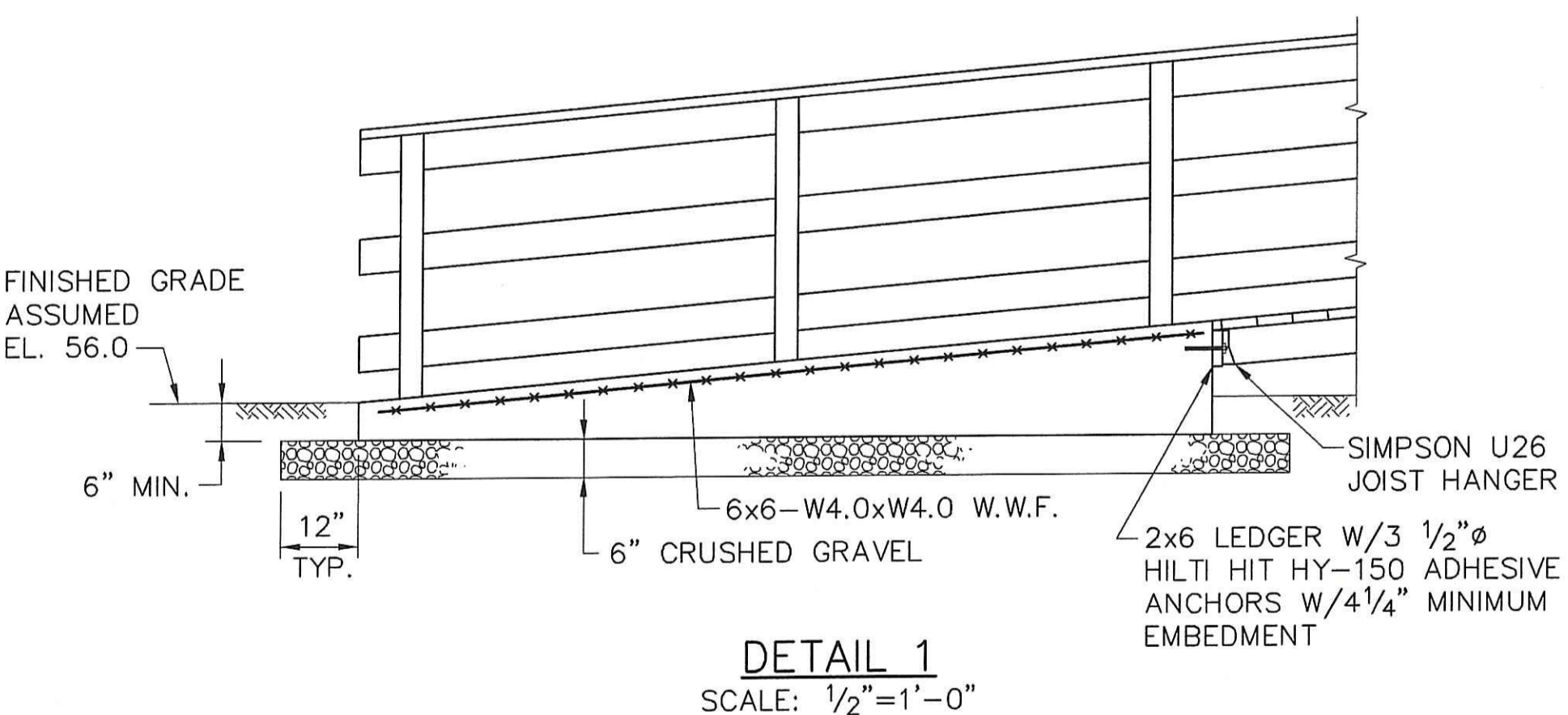


* LAYOUT ASSUMES 4.6' DIFFERENCE IN ELEVATION FROM TOP OF EXISTING DECK TO BOTTOM OF RAMP. IF ELEVATIONS DIFFER, EQUALLY ADJUST THE SPACING OF THESE 3 BAYS TO A MAXIMUM OF 6'-0". CONSULT THE ENGINEER IF THIS SPACING STILL IS NOT ENOUGH TO ACCOMMODATE FIELD CONDITIONS.

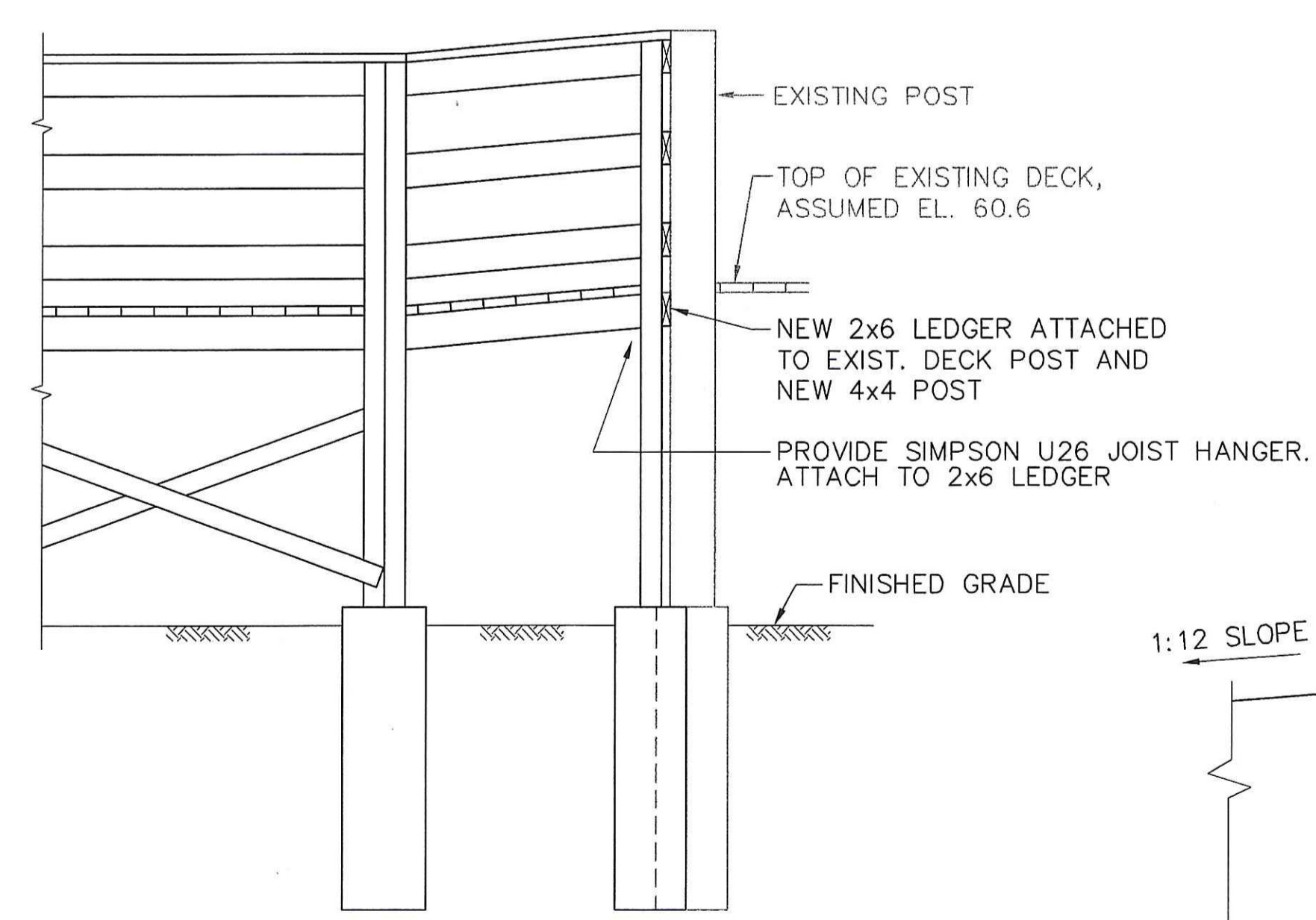
PLAN SCALE: 1/4"=1'-0"



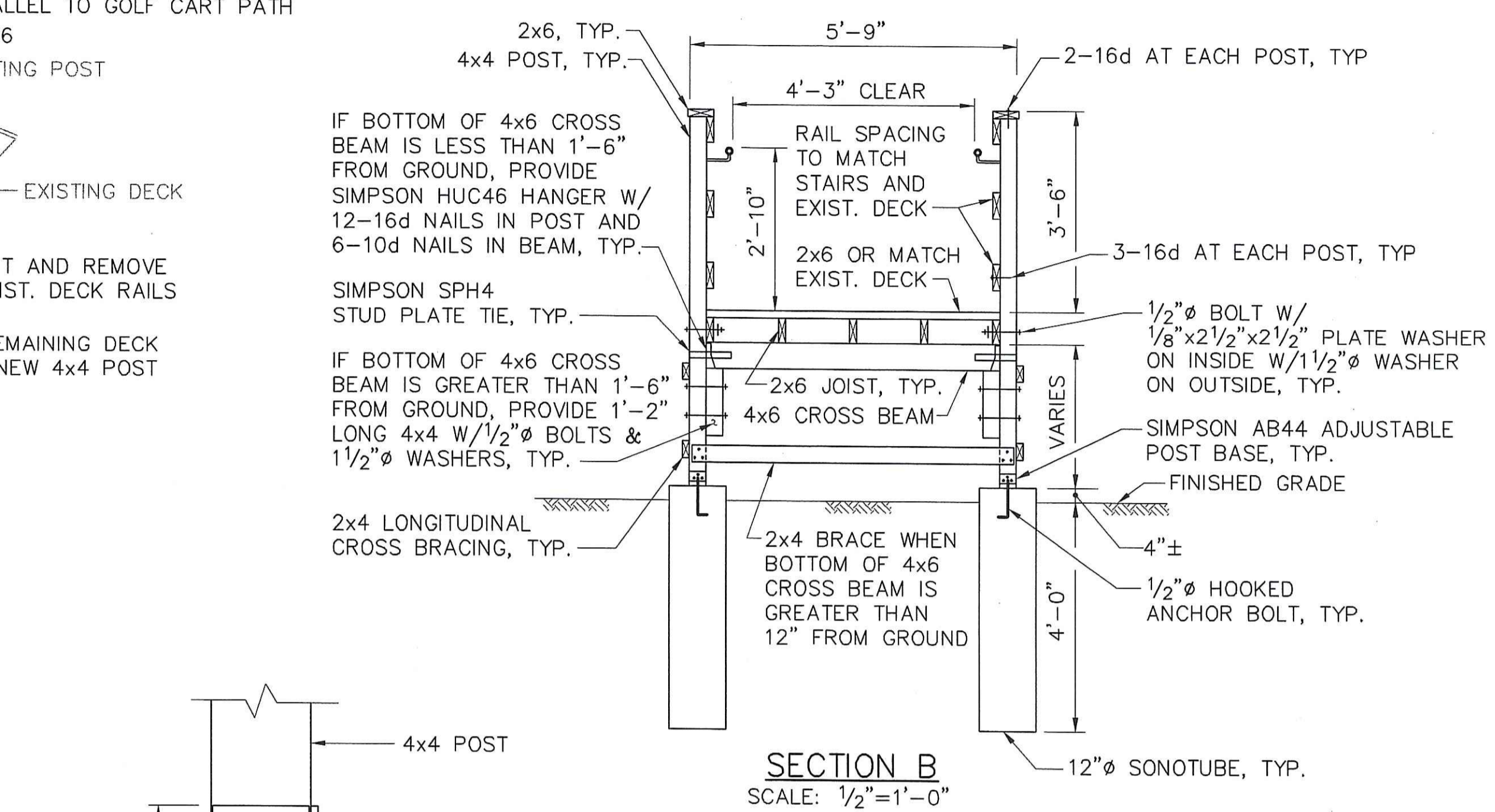
ELEVATION SCALE: 1/4"=1'-0"



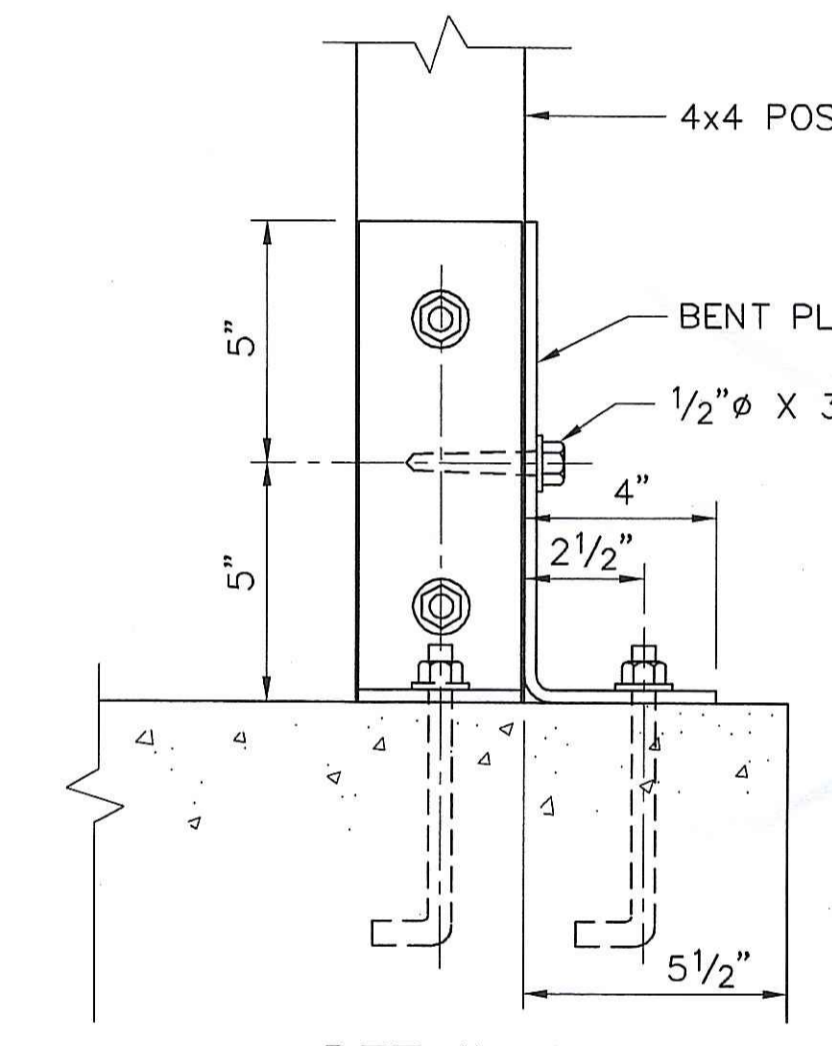
DETAIL 1 SCALE: 1/2"=1'-0"



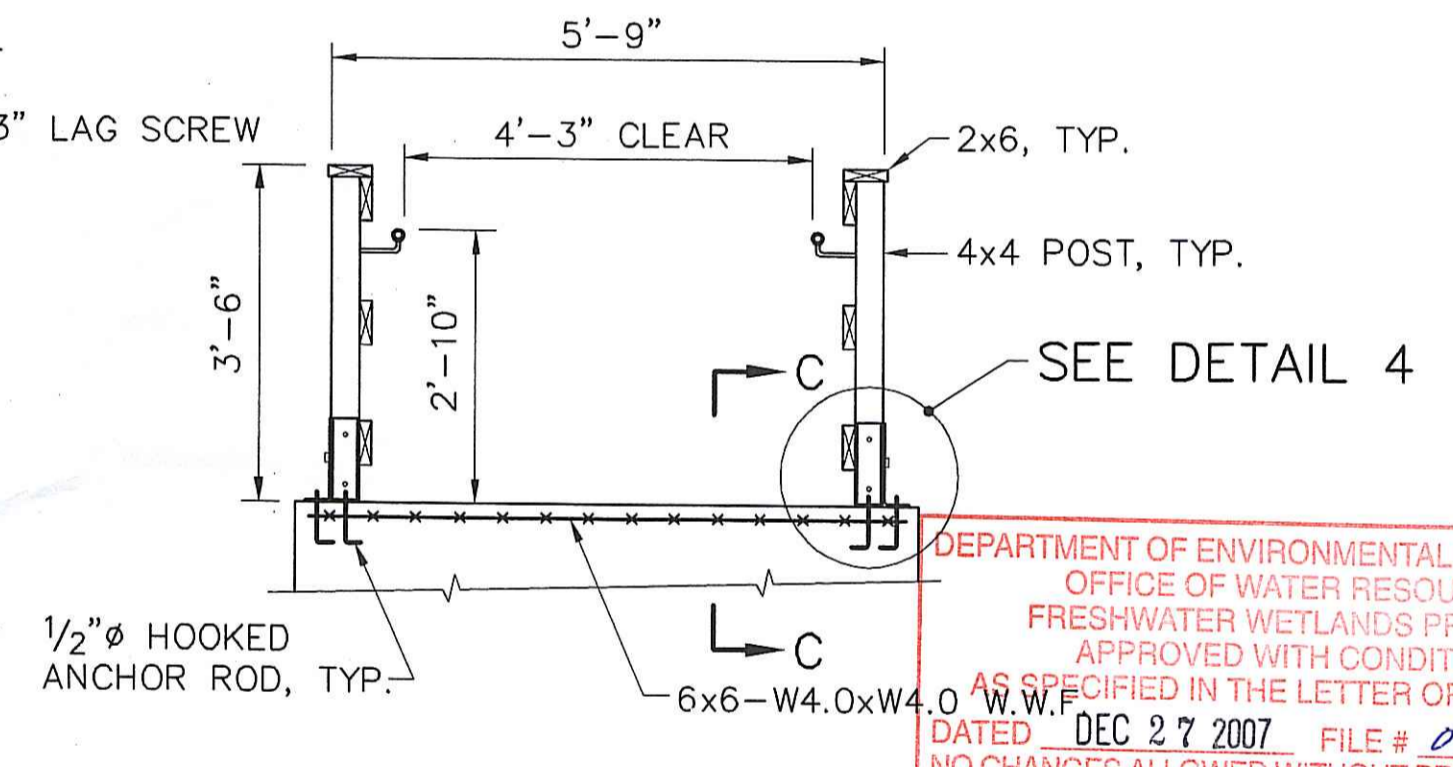
DETAIL 2 SCALE: 1/2"=1'-0"



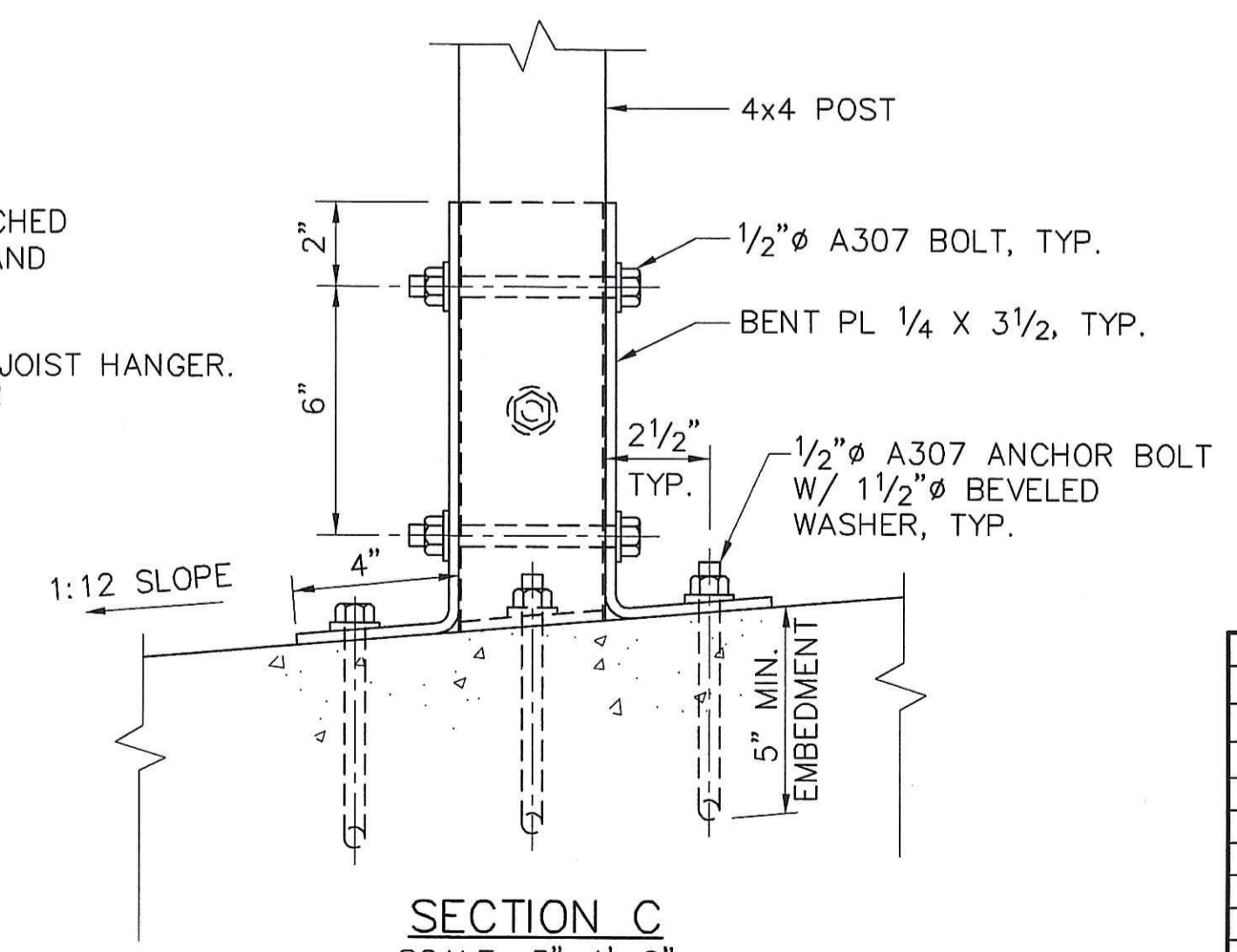
SECTION B SCALE: 1/2"=1'-0"



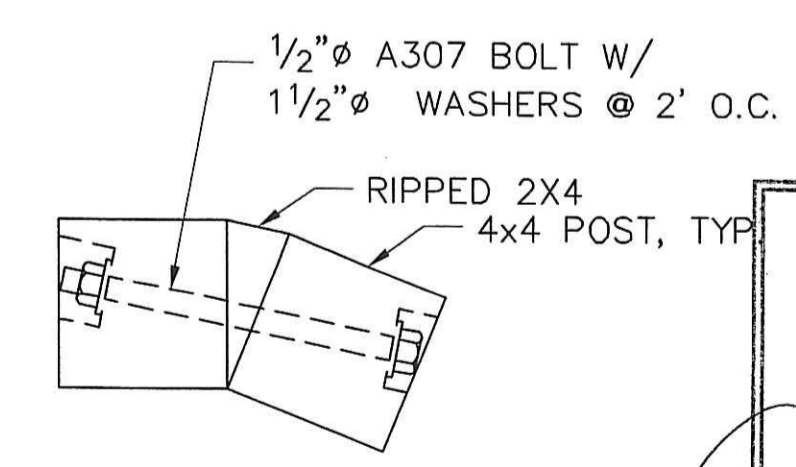
DETAIL 4 SCALE: 3"=1'-0"



SECTION A SCALE: 1/2"=1'-0"



SECTION C SCALE: 3"=1'-0"



DETAIL 3 SCALE: 3"=1'-0"

- NOTES:
1. ALL JOIST HANGERS, STUD PLATE TIES AND POST BASES PROVIDED BY SIMPSON STRONG TIE SHALL BE GALVANIZED.
 2. NOTCH ALL 2x6 JOISTS AT 4x6 CROSS BEAMS AND JOIST HANGERS SO JOIST RESTS SQUARELY ON SUPPORT.
 3. 2x6 RAILING BOARDS SHALL BE CONTINUOUS OVER AT LEAST 2 BAYS IF RAMP GEOMETRY PERMITS.
 4. ALL NAILS SHALL BE HOT DIP GALVANIZED.
 5. USE 2-16d NAILS TO CONNECT EACH 2x6 DECKING BOARD TO THE 2x6 JOISTS. TOE NAIL 2-16d NAILS BETWEEN THE 2x6 JOIST AND THE 4x6 CROSS BEAM.
 6. HARDWARE SHOWN IS PROVIDED BY SIMPSON STRONG TIE. EQUIVALENT HARDWARE PERMISSABLE WITH APPROVAL OF THE DESIGNER.
 7. SEE SHEET 52 OF 157 FOR ADDITIONAL NOTES.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 27 2007 FILE # 07-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Conway
JUL 13 2007
S. D. DANIEL LEE
No. 8335
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
G.D. Ramo 4/6/07

| REVISIONS | | |
|-----------|------|----|
| NO. | DATE | BY |
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY
PROVIDENCE AND JOHNSTON, RHODE ISLAND

HANDICAP RAMP AT TIMBER TEE BOX

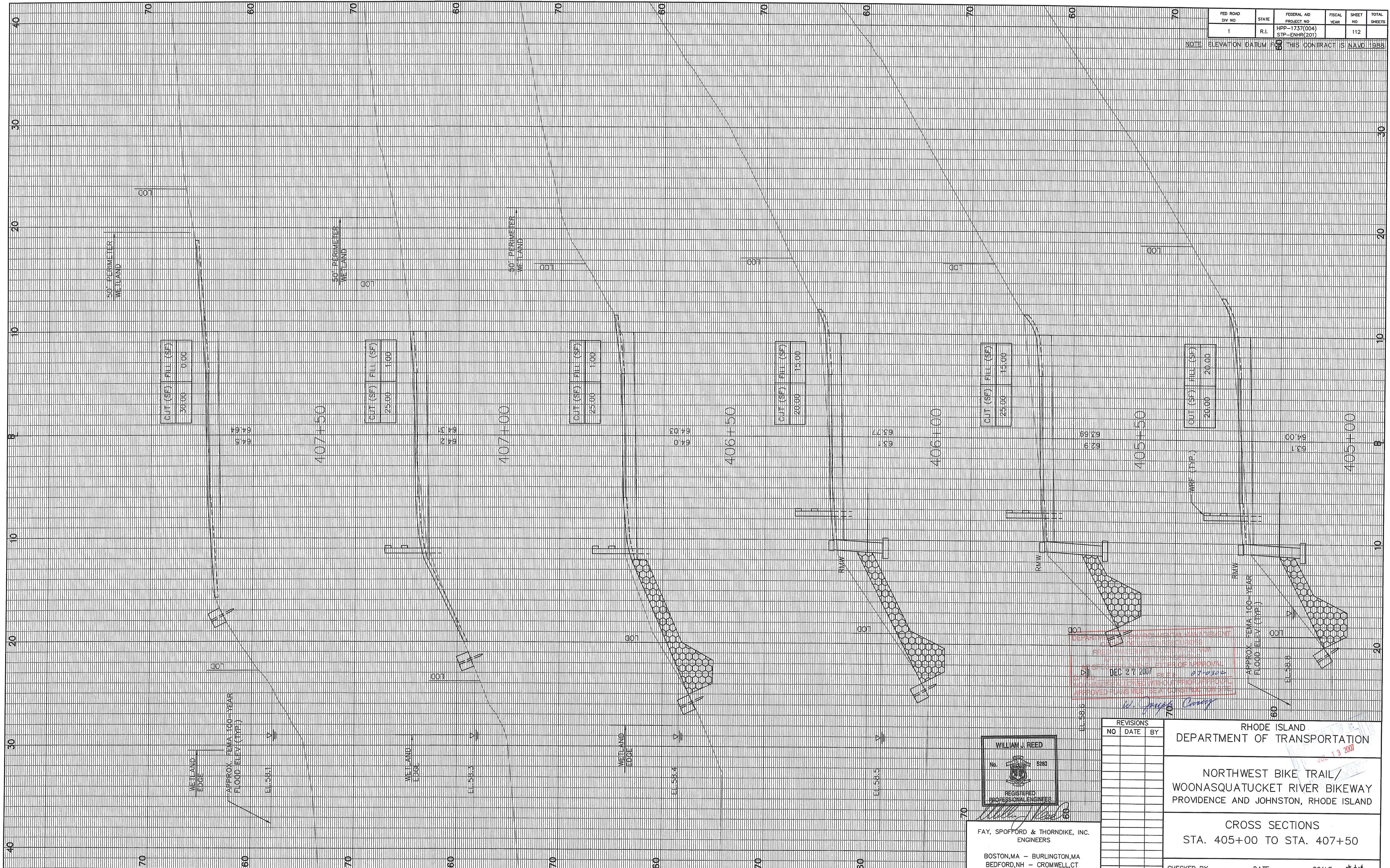
CHECKED BY SJC DATE 4/5/07 SCALE AS NOTED

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

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| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|--------------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 112 | |

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.



| CUT (SF) | FILL (SF) |
|----------|-----------|
| 30.00 | 0.00 |

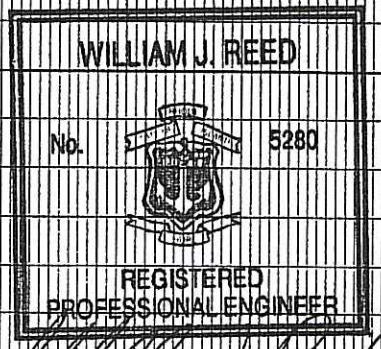
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|----------|-----------|
| 25.00 | 1.00 |

| CUT (SF) | FILL (SF) |
|----------|-----------|
| 25.00 | 1.00 |

| CUT (SF) | FILL (SF) |
|----------|-----------|
| 20.00 | 15.00 |

| CUT (SF) | FILL (SF) |
|----------|-----------|
| 25.00 | 15.00 |

| CUT (SF) | FILL (SF) |
|----------|-----------|
| 20.00 | 20.00 |



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

DEPARTMENT OF TRANSPORTATION
FILED IN THE OFFICE OF THE REGISTERED PROFESSIONAL ENGINEER
DEC 27 2007
APPROVED PLANS MUST BE AT LEAST IDENTICAL TO THE ORIGINAL APPROVED PLANS.

| REVISIONS | NO | DATE | BY |
|-----------|----|------|----|
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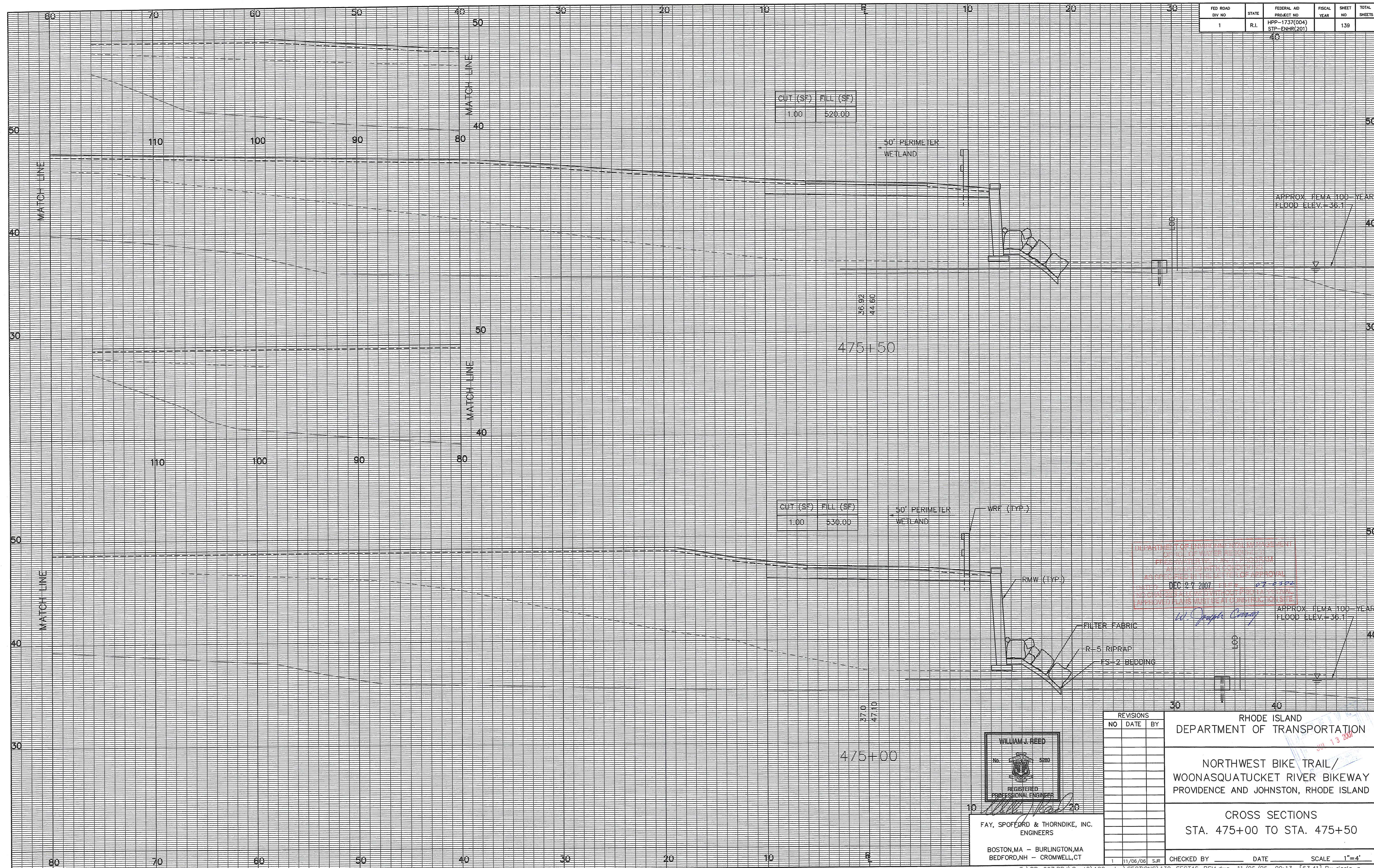
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

NORTHWEST BIKE TRAIL/
WOONASQUATUCKET RIVER BIKEWAY
PROVIDENCE AND JOHNSTON, RHODE ISLAND

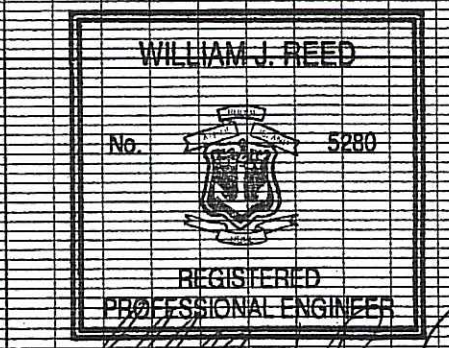
CROSS SECTIONS
STA. 405+00 TO STA. 407+50

CHECKED BY _____ DATE _____ SCALE _____

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|-------------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) SP-ENHR(201) | | 139 | |



REVISIONS FOR THE DEPARTMENT OF TRANSPORTATION
 PROJECT NO. 139-SECT46-RSM
 DATE: DEC 27 2007
 BY: [Signature]



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

| NO | DATE | BY |
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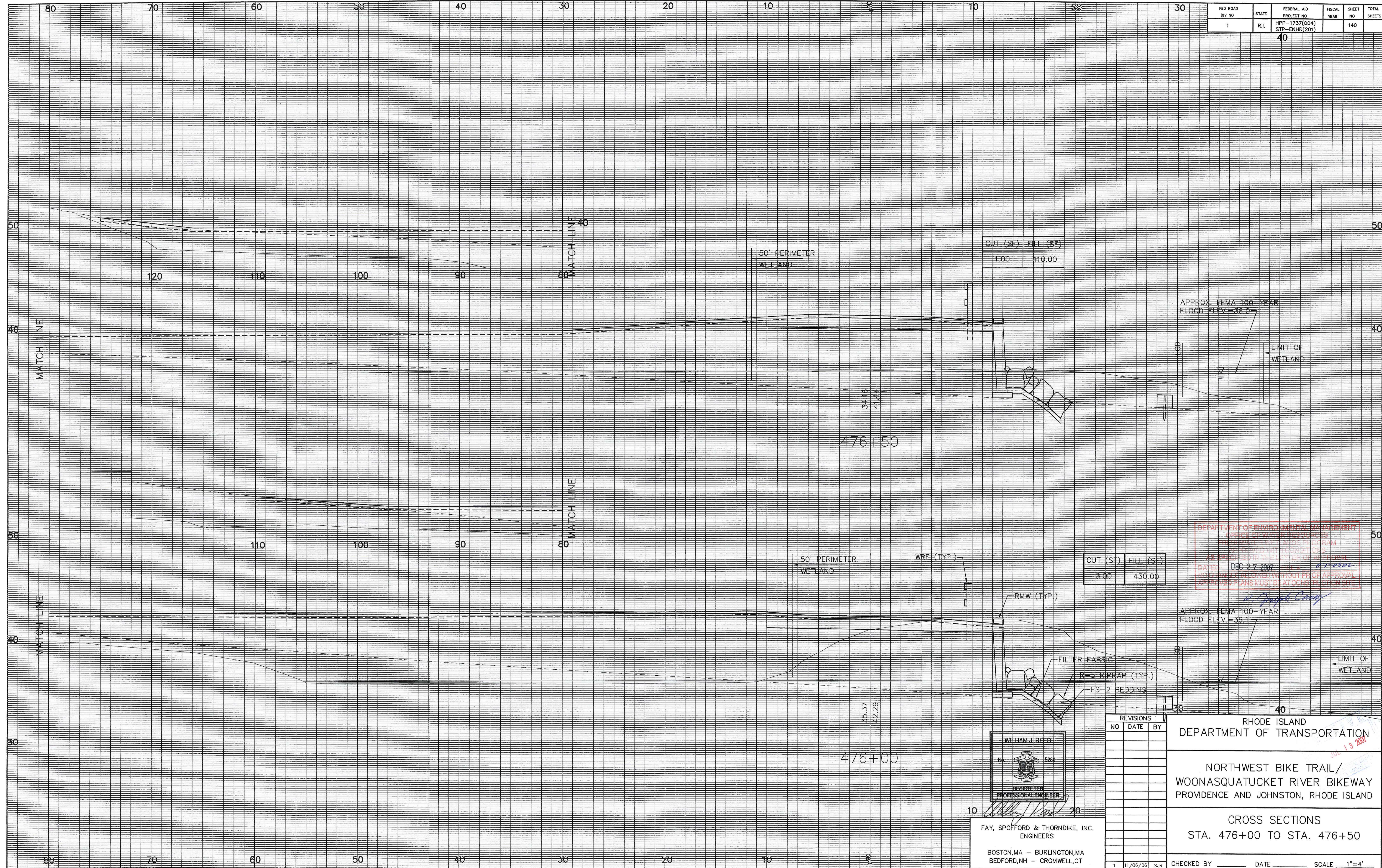
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND

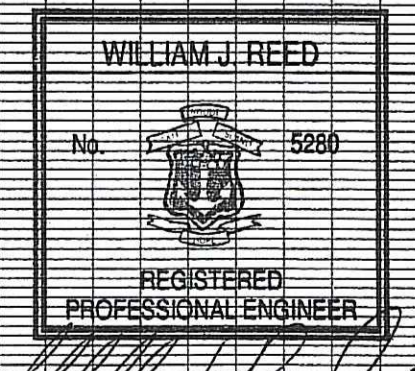
CROSS SECTIONS
 STA. 475+00 TO STA. 475+50

CHECKED BY _____ DATE _____ SCALE 1"=4'

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|--------------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 140 | |



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF PERMITS AND REGULATORY SERVICES
 100 WATER STREET, SUITE 1000
 PROVIDENCE, RHODE ISLAND 02902
 DATE: DEC 27 2007
 APPROVED FOR THE STATE OF RHODE ISLAND
 APPROVED FOR THE STATE OF RHODE ISLAND

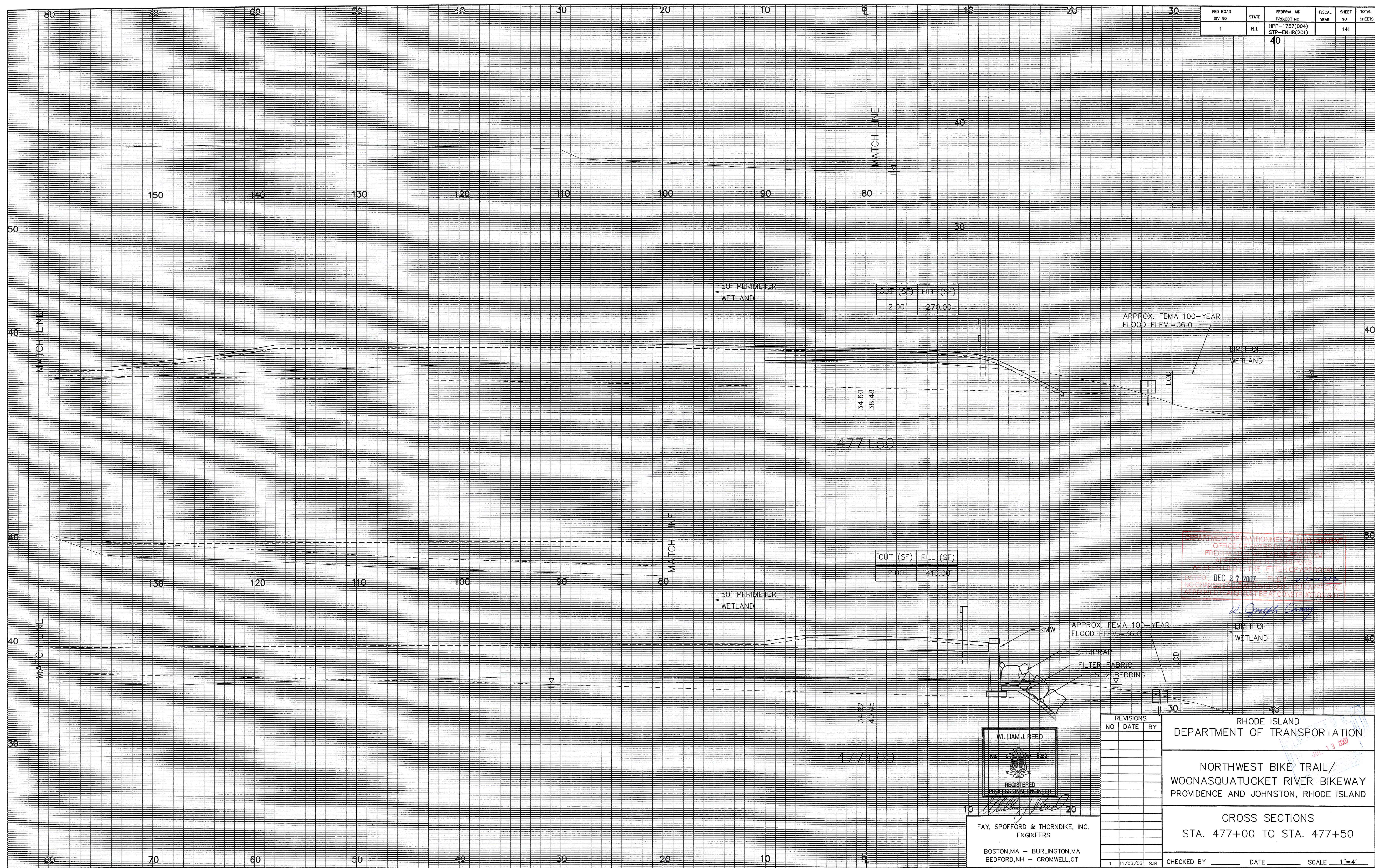


FAY, SPOFFORD & THORNDIKE, INC.
 ENGINEERS
 BOSTON, MA - BURLINGTON, MA
 BEDFORD, NH - CROMWELL, CT

| REVISIONS | NO | DATE | BY |
|-----------|----|----------|-----|
| | 1 | 11/06/06 | SJR |

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND
 CROSS SECTIONS
 STA. 476+00 TO STA. 476+50
 CHECKED BY _____ DATE _____ SCALE 1"=4'

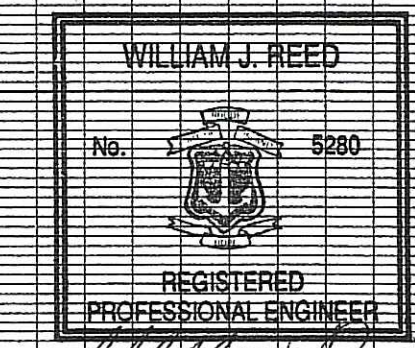
| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|--------------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 141 | |



| CUT (SF) | FILL (SF) |
|----------|-----------|
| 2.00 | 270.00 |

| CUT (SF) | FILL (SF) |
|----------|-----------|
| 2.00 | 410.00 |

DEPARTMENT OF TRANSPORTATION
 OFFICE OF PROJECTS AND MANAGEMENT
 PROJECT NO. 1737(004)
 STP-ENHR(201)
 APPROVED FOR THE STATE OF RHODE ISLAND
 DEC 27 2007
 W. Joseph Cray



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

| REVISIONS NO | DATE | BY |
|--------------|----------|-----|
| 1 | 11/06/06 | SJR |

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

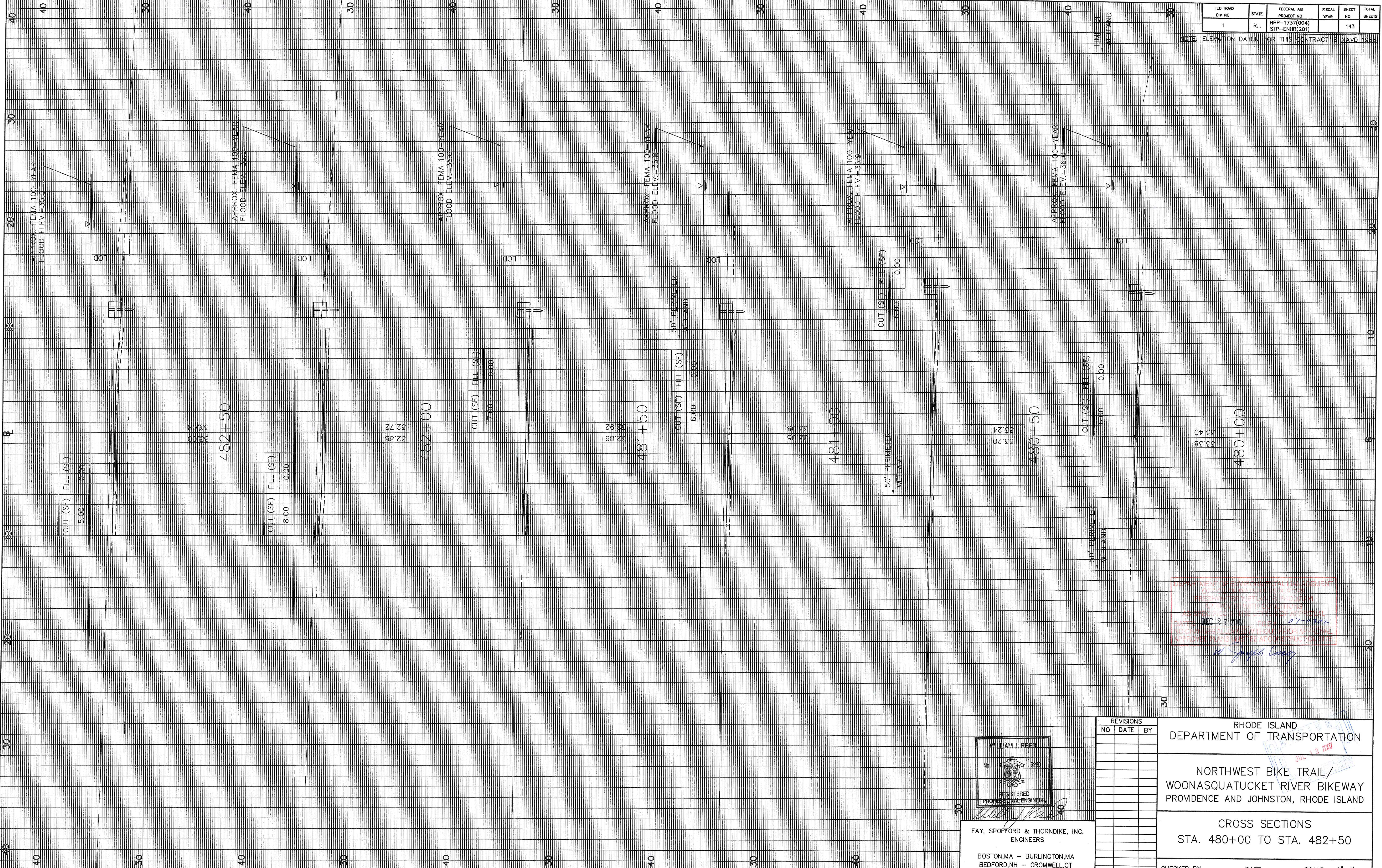
NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND

CROSS SECTIONS
 STA. 477+00 TO STA. 477+50

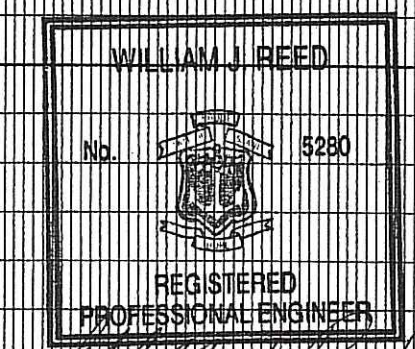
CHECKED BY _____ DATE _____ SCALE 1"=4'

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|--------------------------------|-------------|----------|--------------|
| 1 | R.I. | HPP-1737(004) STP-ENHR(201) | | 143 | |

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988



DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 27-8302
 DEC 27 2007
W. Joseph Kelly



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

| REVISIONS | NO | DATE | BY |
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RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

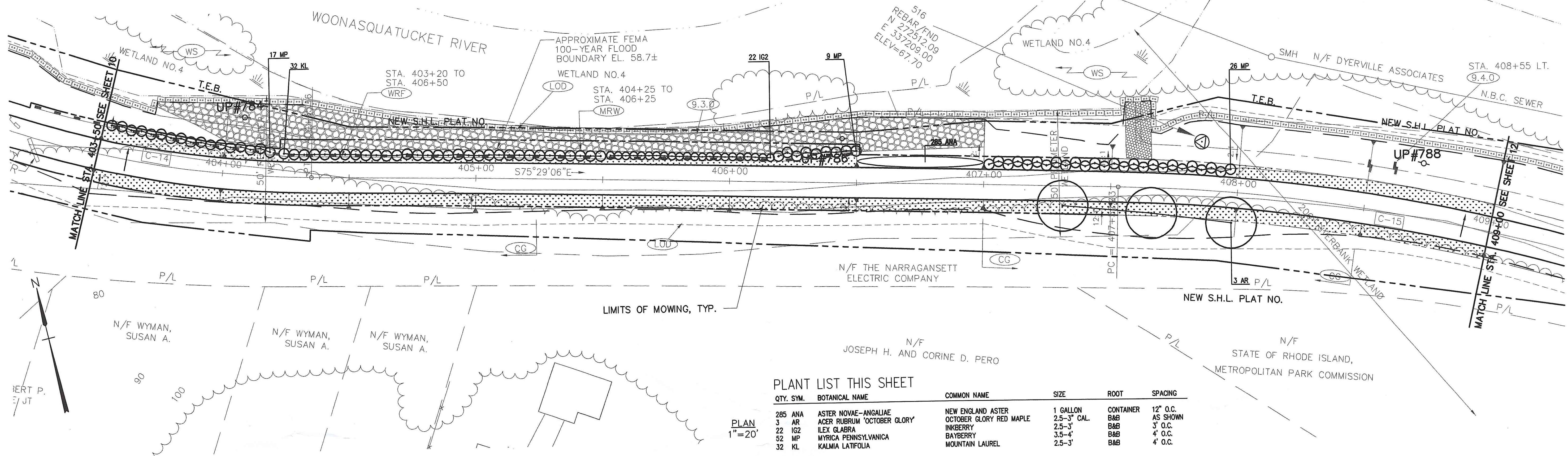
NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND

CROSS SECTIONS
 STA. 480+00 TO STA. 482+50

CHECKED BY _____ DATE _____ SCALE 1"=4'

NOTE: ELEVATION DATUM FOR THIS CONTRACT IS NAVD 1988.

| FED ROAD DIV NO | STATE | FEDERAL AID PROJECT NO | FISCAL YEAR | SHEET NO | TOTAL SHEETS |
|-----------------|-------|------------------------|-------------|----------|--------------|
| 1 | R.I. | | | 11 | 38 |



PLANT LIST THIS SHEET

| QTY. | SYN. | BOTANICAL NAME | COMMON NAME | SIZE | ROOT | SPACING |
|------|------|-----------------------------|-------------------------|-------------|-----------|----------|
| 285 | ANA | ASTER NOVAE-ANGALIAE | NEW ENGLAND ASTER | 1 GALLON | CONTAINER | 12' O.C. |
| 3 | AR | ACER RUBRUM 'OCTOBER GLORY' | OCTOBER GLORY RED MAPLE | 2.5-3" CAL. | B&B | AS SHOWN |
| 22 | IG2 | ILEX GLABRA | INKBERRY | 2.5-3" | B&B | 3' O.C. |
| 52 | MP | MYRICA PENNSYLVANICA | BAYBERRY | 3.5-4" | B&B | 4' O.C. |
| 32 | KL | KALMIA LATIFOLIA | MOUNTAIN LAUREL | 2.5-3" | B&B | 4' O.C. |

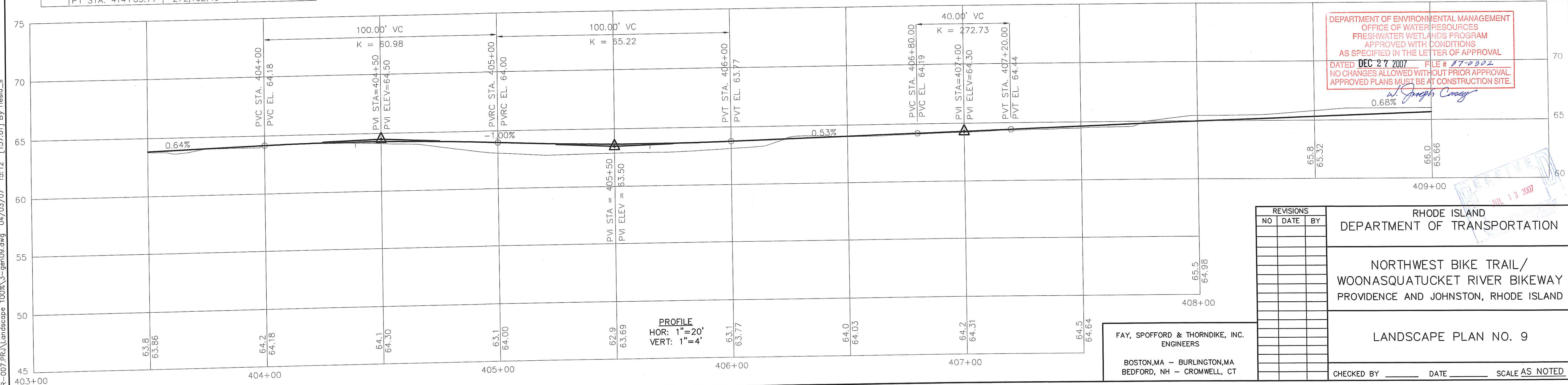
- NOTES:
- REFER TO PROJECT'S TOTAL PLANT LIST ON SHEET 38.
 - REFER TO GENERAL LANDSCAPE NOTES ON SHEET 38.
 - THE ROOT BALL OF ALL PLANTS MUST BE A MINIMUM OF 4 FEET FROM THE EDGE OF PAVEMENT.
 - A 5 FOOT SWATH ON EACH SIDE OF THE BIKEPATH WILL BE MOWED EXCEPT AS NOTED. REFER TO JOB SPECIFIC SPECIFICATIONS L02.9901 GRASS MOWING.
 - ALL SHRUBS WILL BE MULCHED IN A CONTINUOUS BED, TYPICAL.

☉ COORDINATES

| NO. | STATION | NORTH | EAST |
|------|-------------------|------------|------------|
| C-14 | PC STA. 402+95.98 | 272,639.58 | 336,739.13 |
| | PI | 272,599.81 | 336,797.10 |
| | PT STA. 404+35.16 | 272,582.19 | 336,865.16 |
| C-15 | PC STA. 407+52.93 | 272,502.55 | 337,172.78 |
| | PI | 272,415.45 | 337,509.20 |
| | PT STA. 414+03.77 | 272,102.49 | 337,660.25 |

☉ CURVE DATA

| NO. | Δ | RADIUS | LENGTH | TANGENT |
|------|-----------|---------|---------|---------|
| C-14 | 19°56'08" | 400.00' | 139.18' | 70.30' |
| C-15 | 49°43'15" | 750.00' | 650.84' | 347.51' |



REVISIONS

| NO | DATE | BY |
|----|------|----|
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RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

NORTHWEST BIKE TRAIL/
 WOONASQUATUCKET RIVER BIKEWAY
 PROVIDENCE AND JOHNSTON, RHODE ISLAND

LANDSCAPE PLAN NO. 9

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

CHECKED BY _____ DATE _____ SCALE AS NOTED.

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