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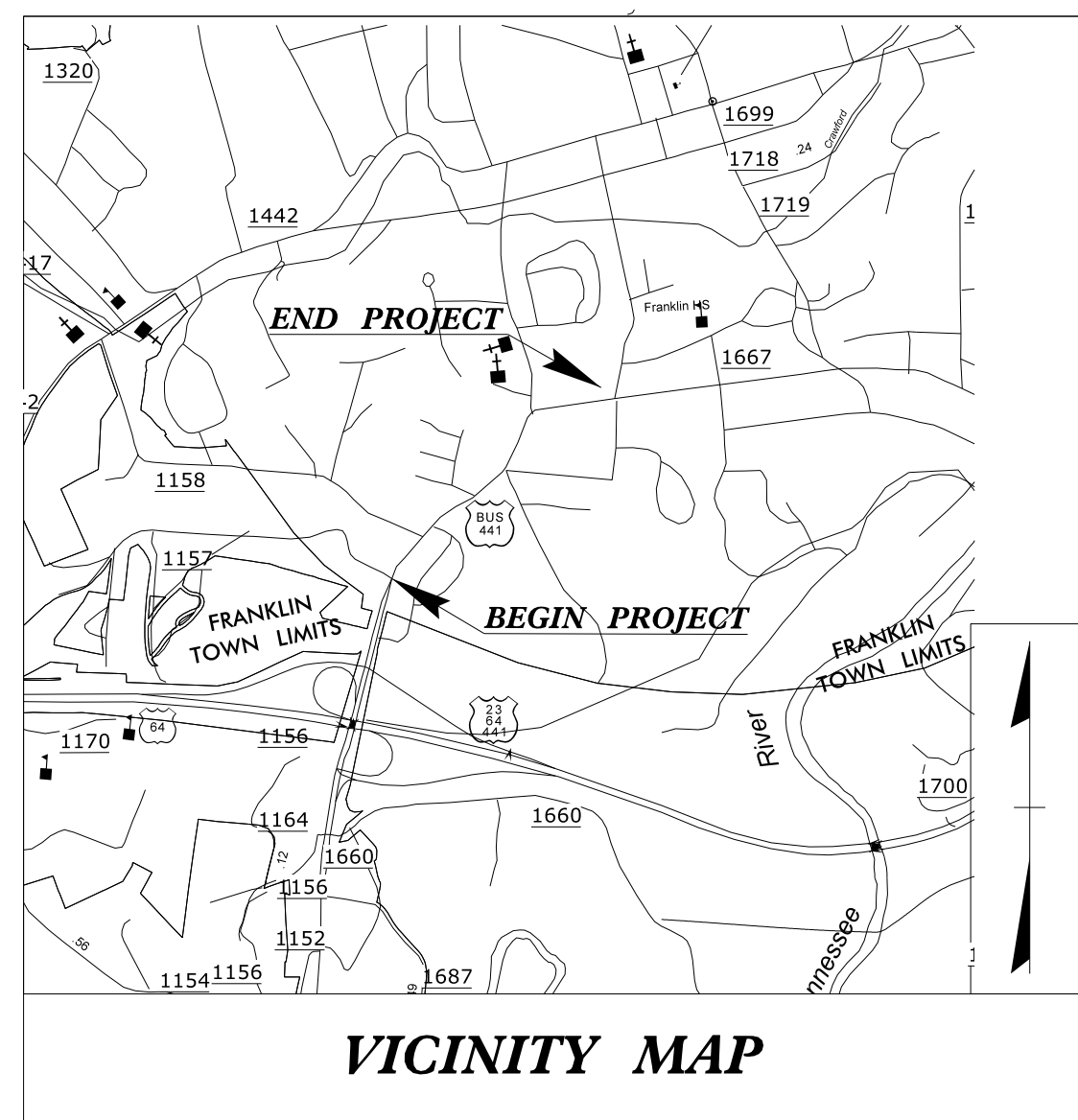
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**TIP PROJECT: U-5604**

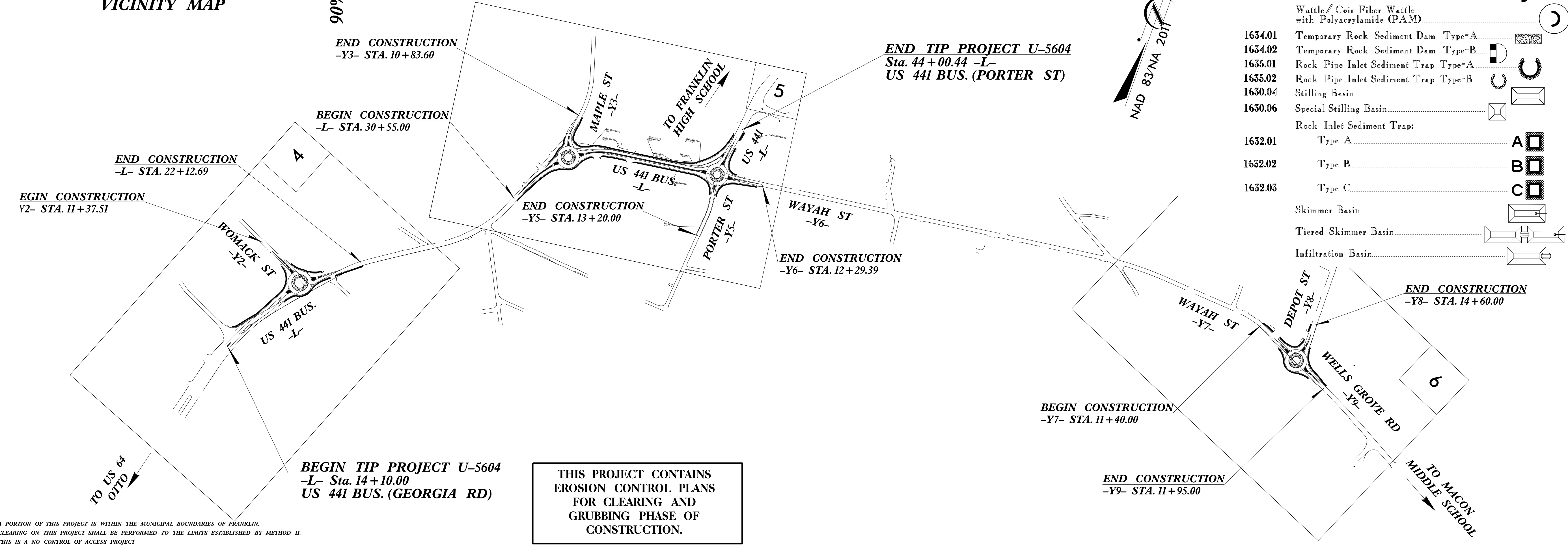
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
MACON COUNTY  
EROSION CONTROL PLAN PROPOSED

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5604	EC-1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
45832.1.1	N/A	PE	
45832.2.1	N/A	RWUTIL	



**90% PLANS**

HIGHWAY US 441 BUSINESS  
INTERSECTION IMPROVEMENTS  
AT WOMACK ST., MAPLE ST.,  
PORTER ST., AND DEPOT ST.



**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
1630.05	Temporary Silt Ditch	---
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	---X---
1622.01	Temporary Berms and Slope Drains	---X---
1630.02	Silt Basin Type B	[Symbol]
1633.01	Temporary Rock Silt Check Type-A	[Symbol]
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	[Symbol]
1633.02	Temporary Rock Silt Check Type-B	[Symbol]
	Wattle/Coir Fiber Wattle	[Symbol]
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	[Symbol]
1634.01	Temporary Rock Sediment Dam Type-A	[Symbol]
1634.02	Temporary Rock Sediment Dam Type-B	[Symbol]
1635.01	Rock Pipe Inlet Sediment Trap Type-A	[Symbol]
1635.02	Rock Pipe Inlet Sediment Trap Type-B	[Symbol]
1630.04	Stilling Basin	[Symbol]
1630.06	Special Stilling Basin	[Symbol]
	Rock Inlet Sediment Trap:	
1632.01	Type A	[Symbol]
1632.02	Type B	[Symbol]
1632.03	Type C	[Symbol]
	Skimmer Basin	[Symbol]
	Tiered Skimmer Basin	[Symbol]
	Infiltration Basin	[Symbol]

A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF FRANKLIN. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II. THIS IS A NO CONTROL OF ACCESS PROJECT

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared in the Office of:  
**Dewberry**  
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

**STEVEN BONDOR, PE** 3077  
NAME LEVEL III CERTIFICATION NO.

Reviewed in the Office of:  
**ROADSIDE ENVIRONMENTAL UNIT**  
1 South Wilmington St.  
Raleigh, NC 27611

2018 STANDARD SPECIFICATIONS

Reviewed by:  
**COREY NAPIER, PE**  
**VAUGHN & MELTON CONSULTING ENGINEERS**  
NAME

Roadway Standard Drawings

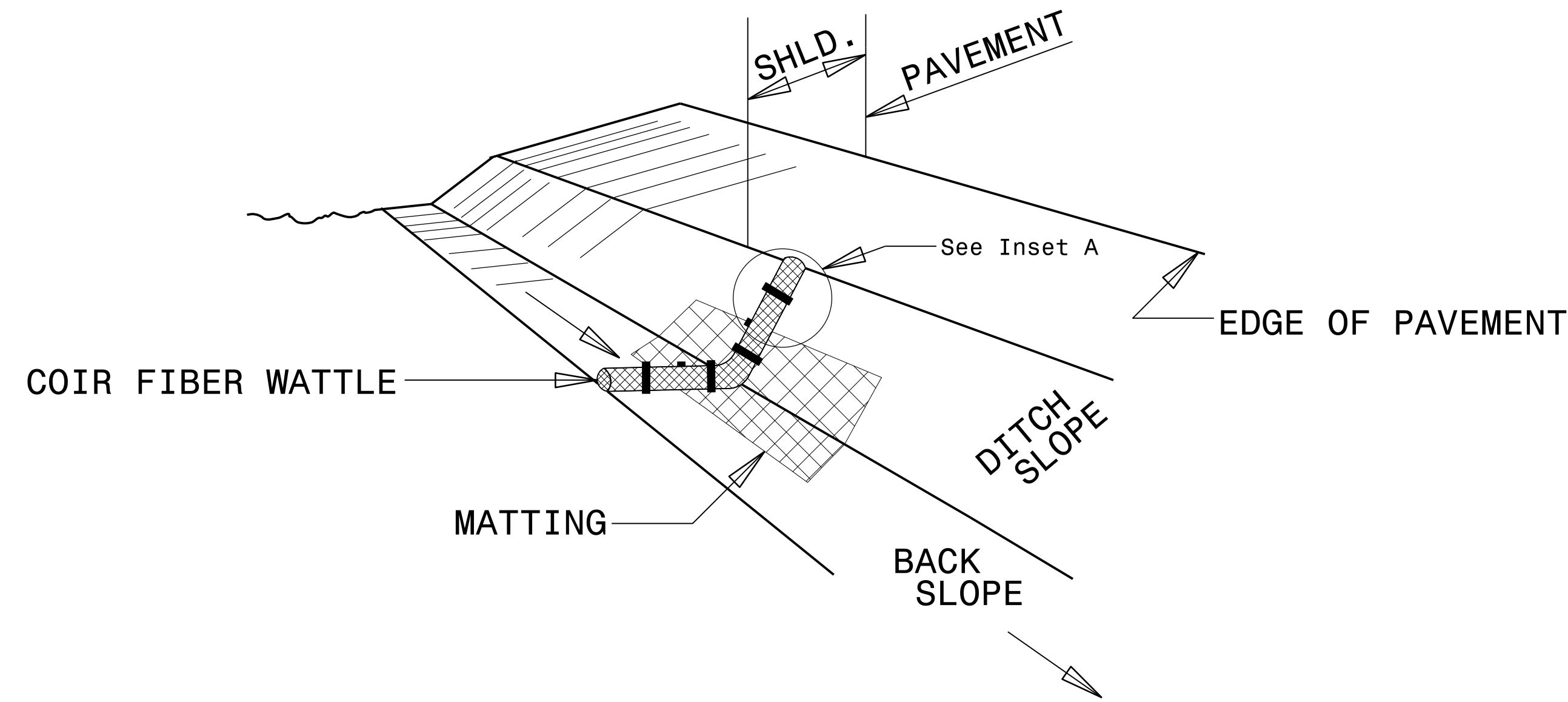
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

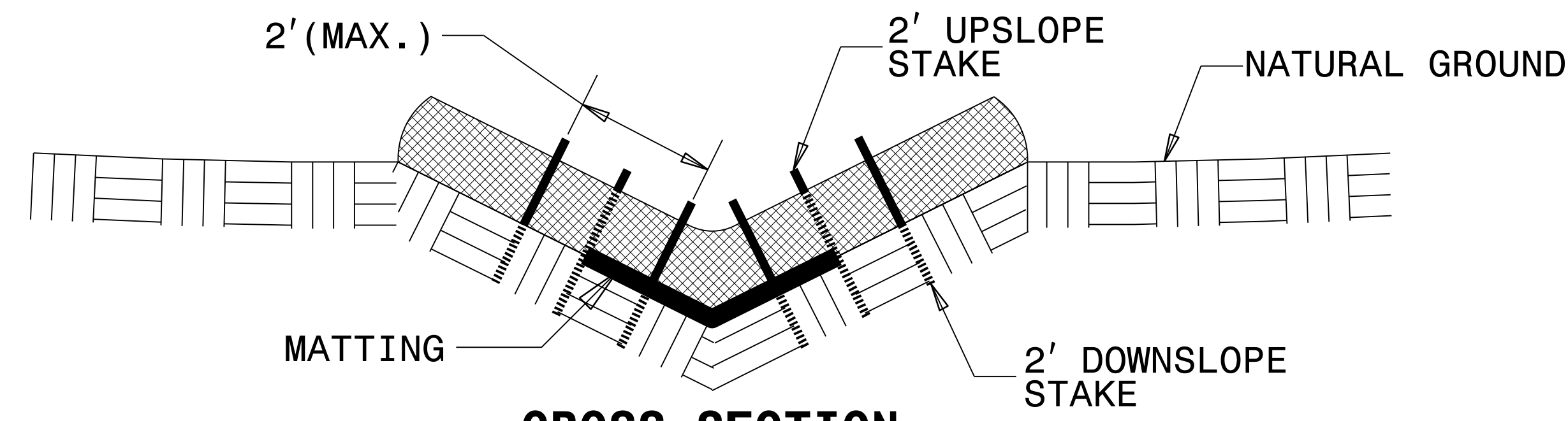


PROJECT REFERENCE NO. U-5604	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

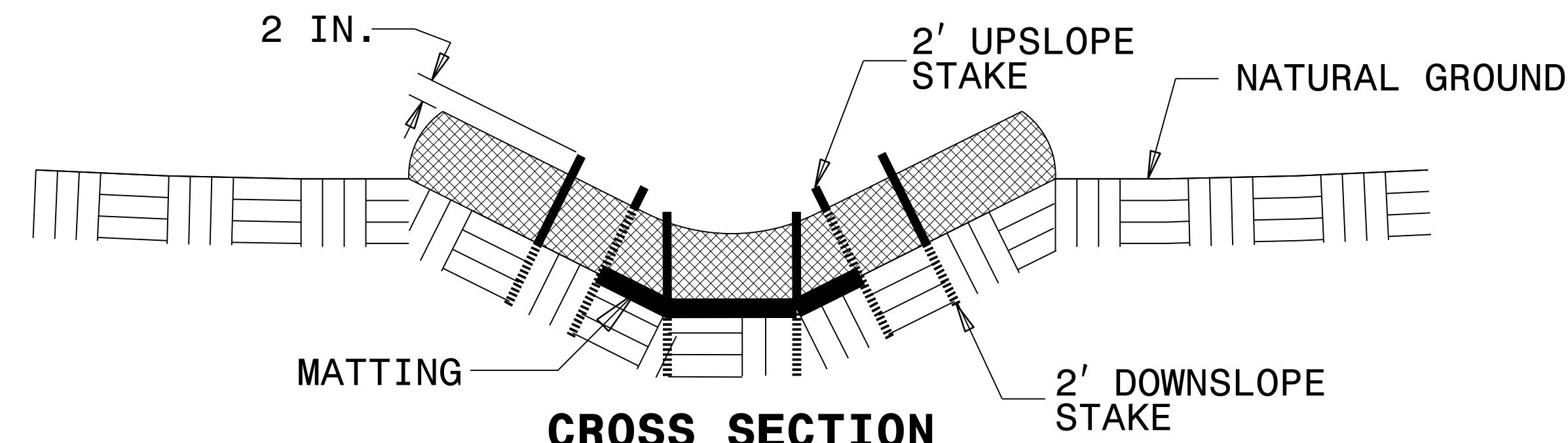
# COIR FIBER WATTLE DETAIL



**ISOMETRIC VIEW**



**CROSS SECTION VEE DITCH**



**CROSS SECTION TRAPEZOIDAL DITCH**

**NOTES:**

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

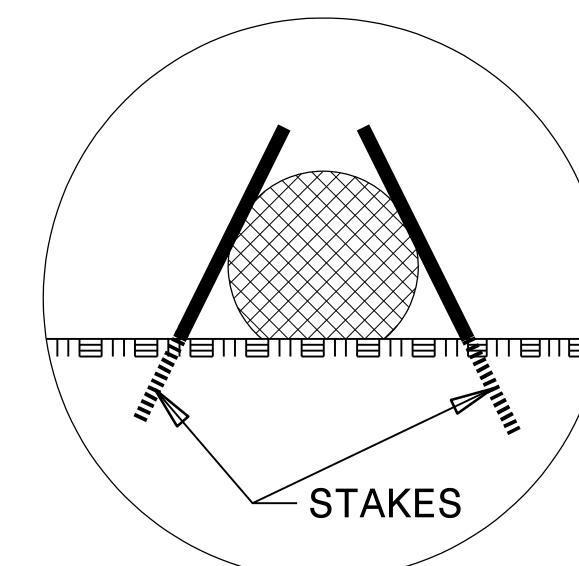
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

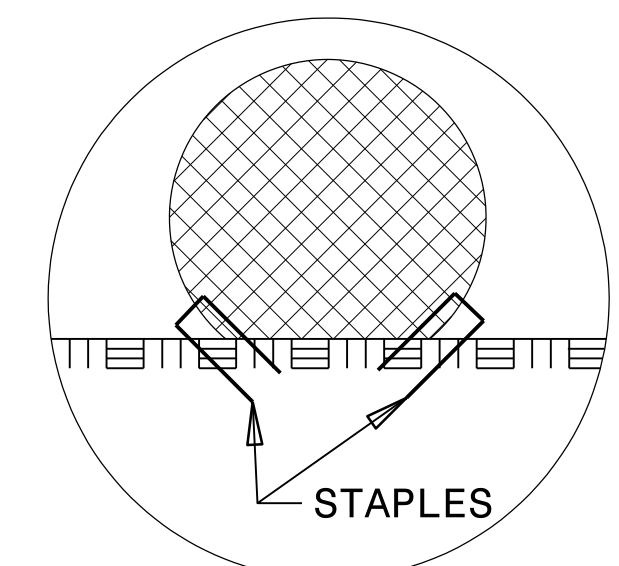
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

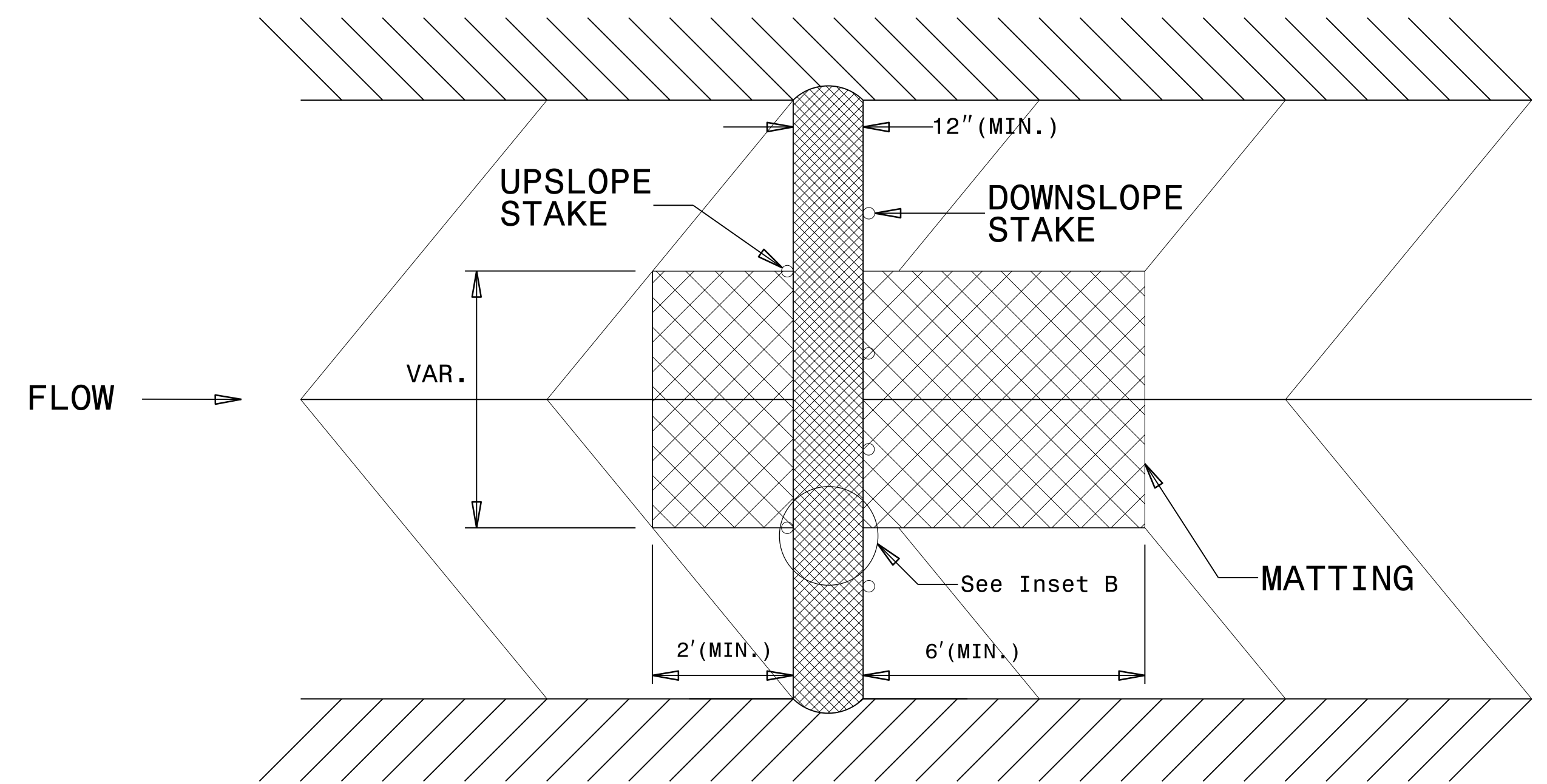
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



**INSET A**



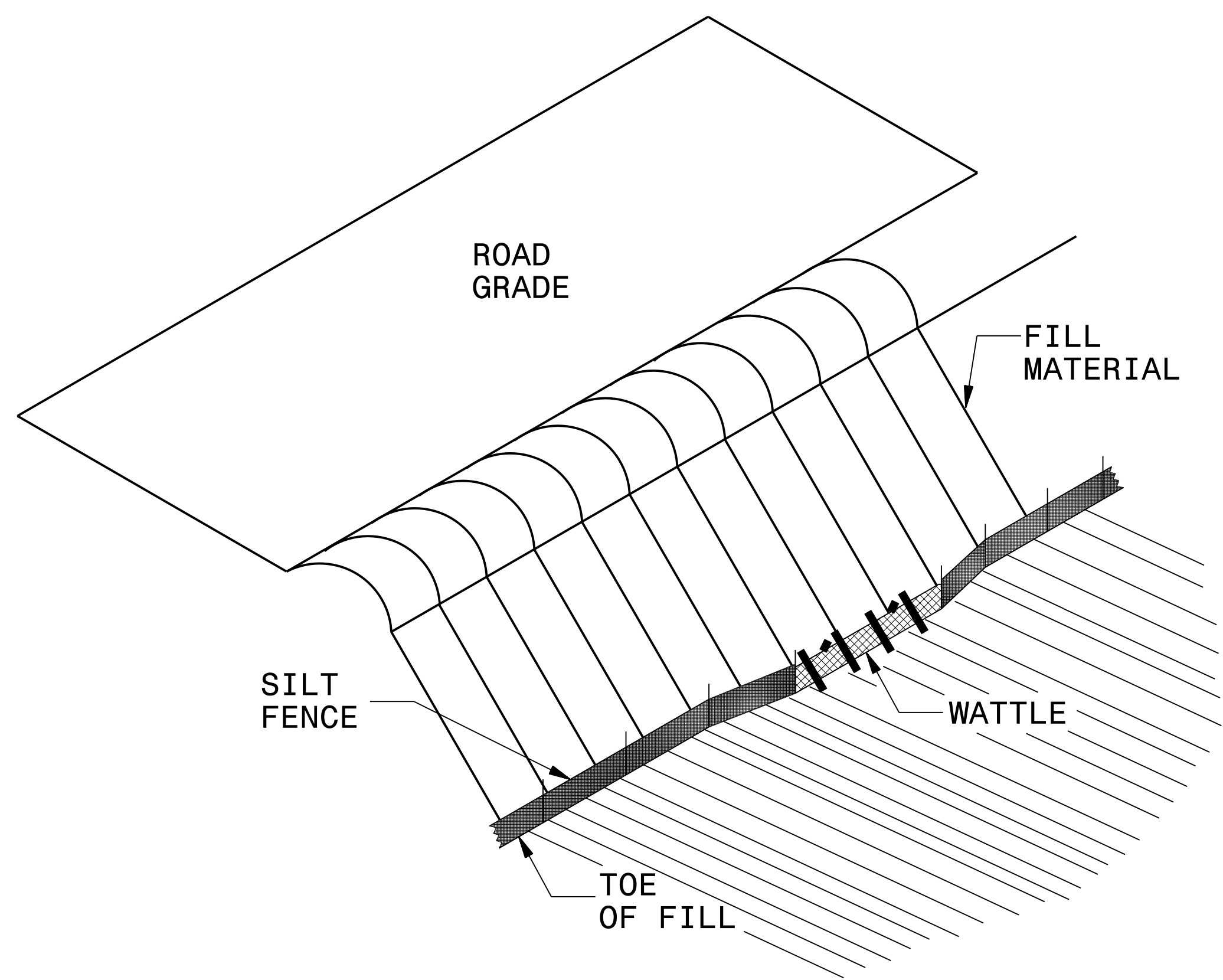
**INSET B**



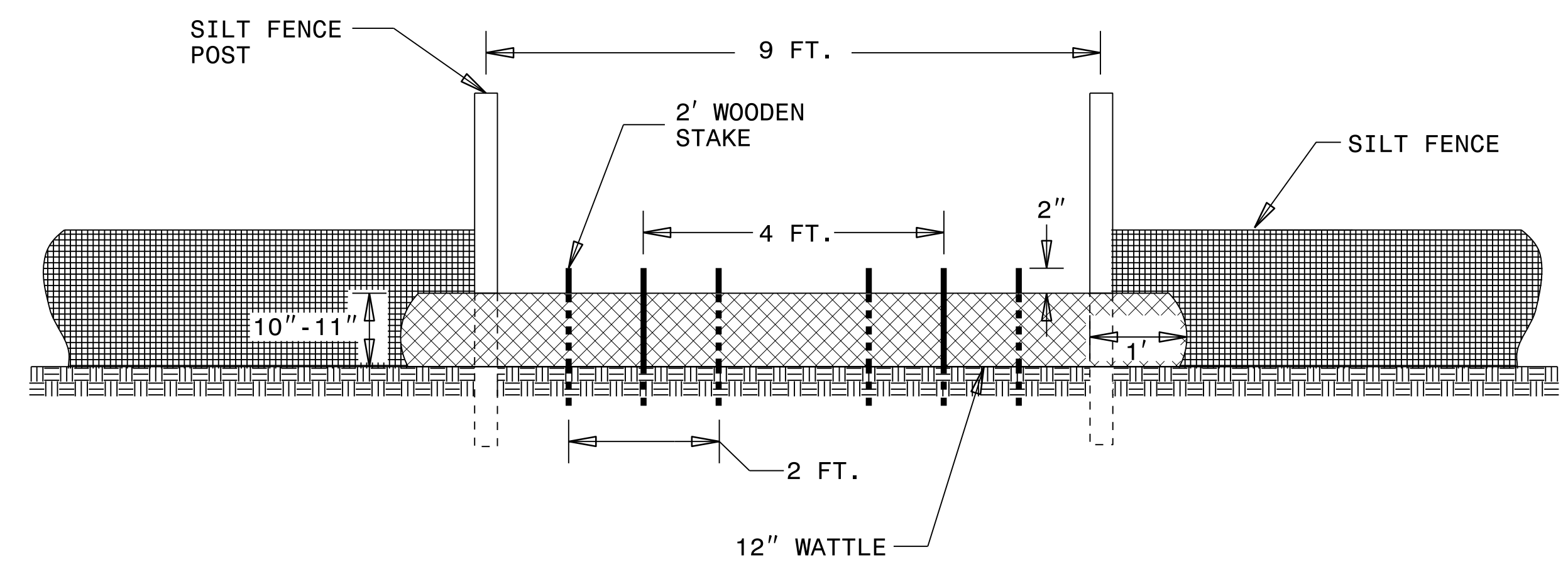
**TOP VIEW**

# SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. U-5604	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



**ISOMETRIC VIEW**

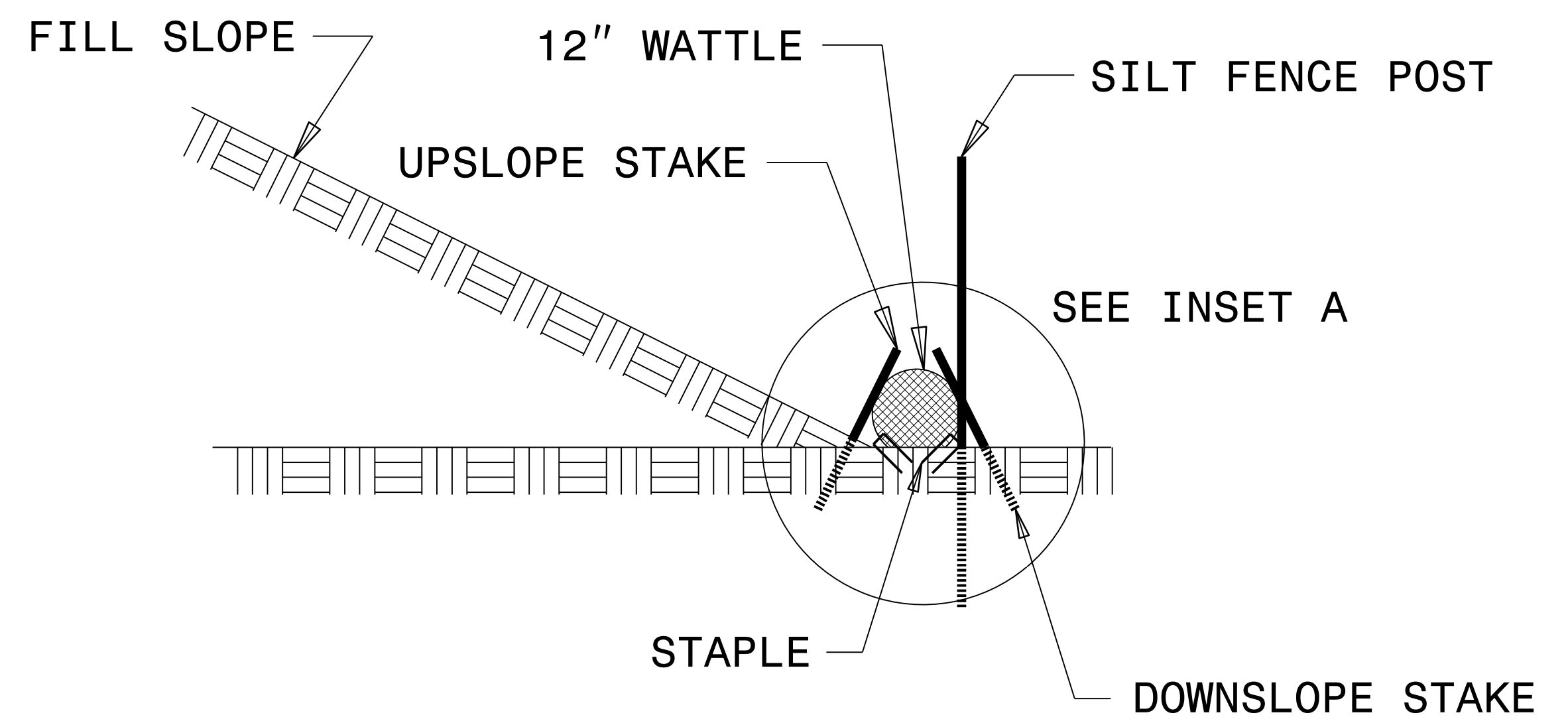
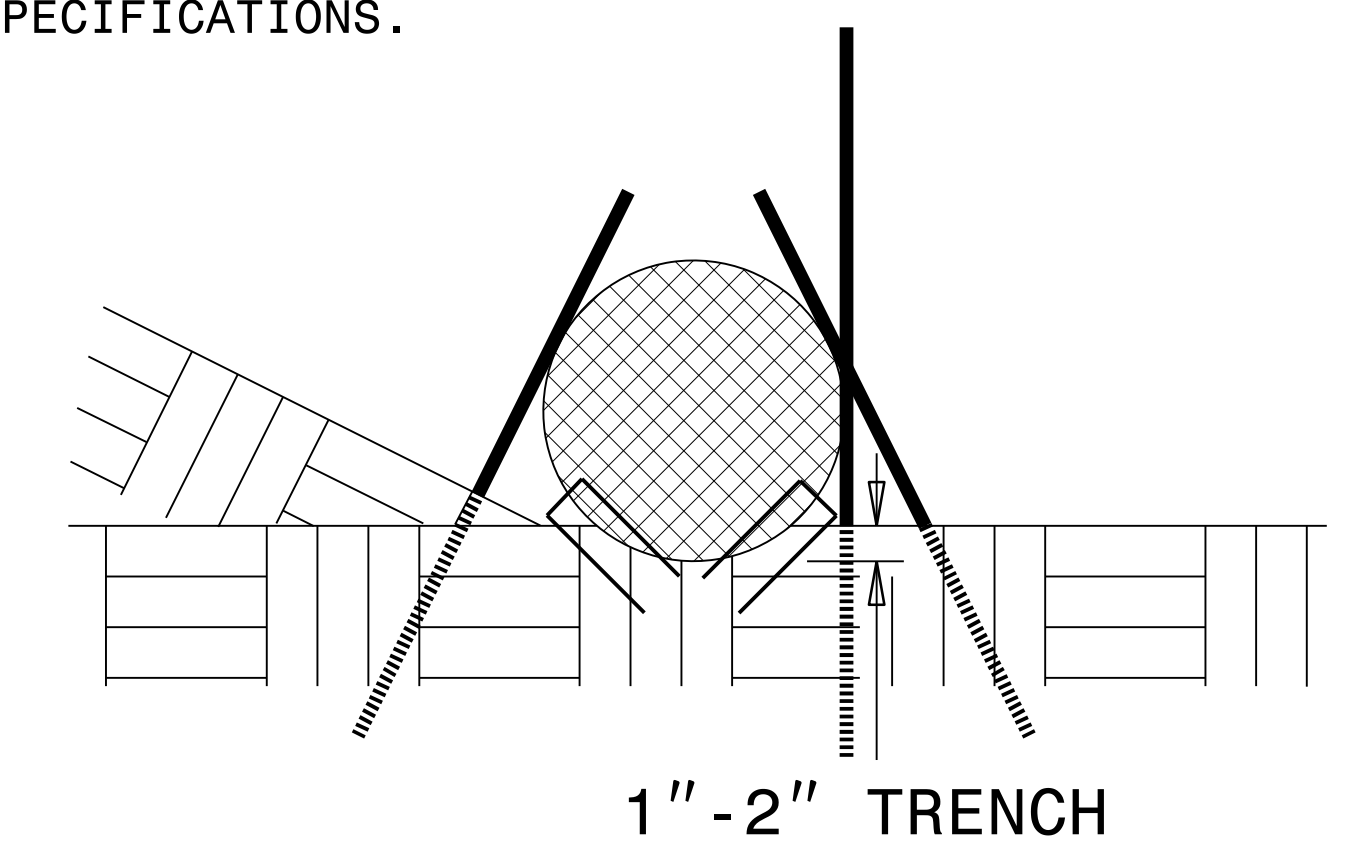


**VIEW FROM SLOPE**

**NOTES:**

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

**INSET A**

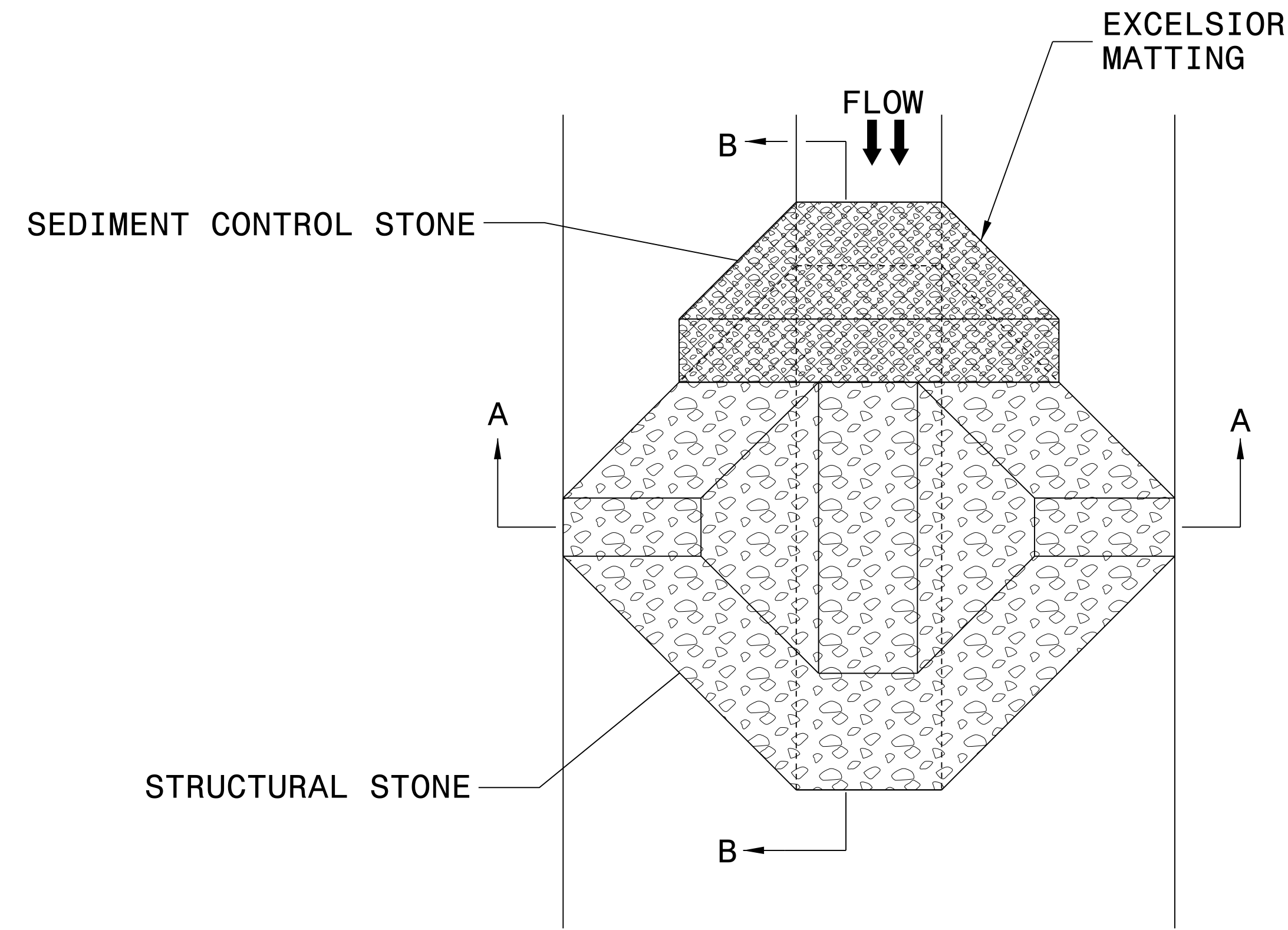


**SIDE VIEW**



PROJECT REFERENCE NO. U-5604	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN

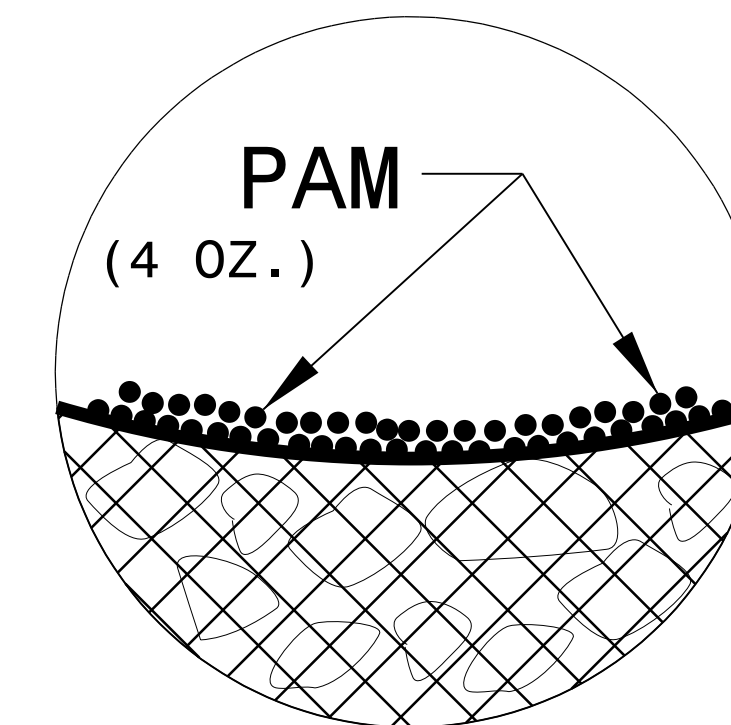
**NOTES:**

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

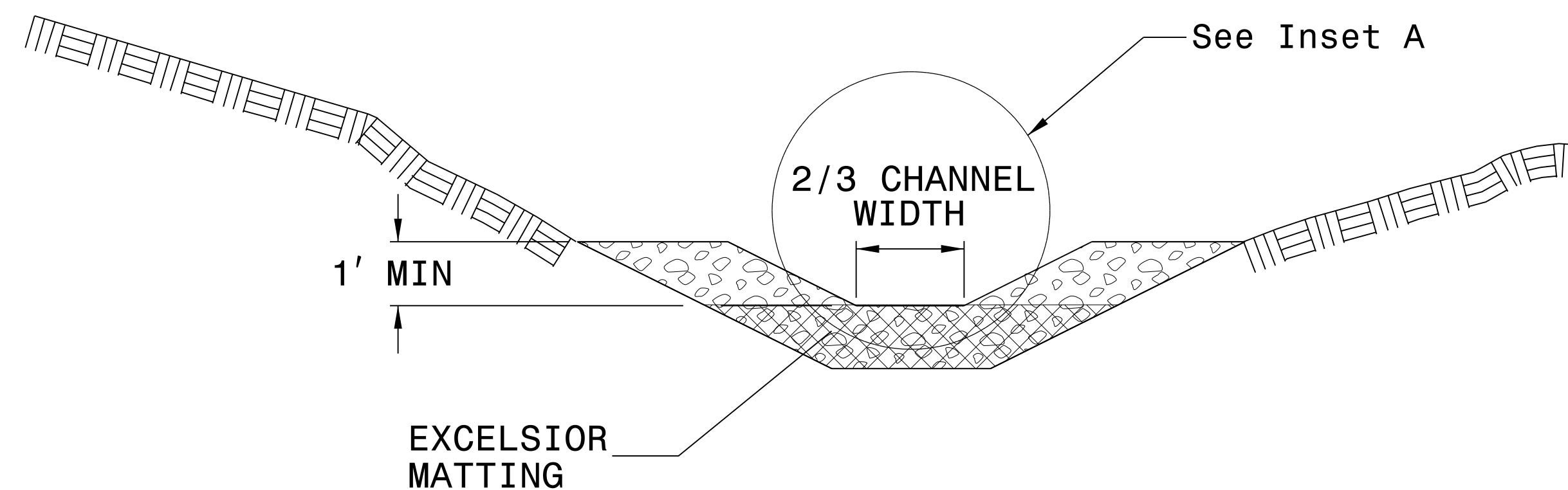
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

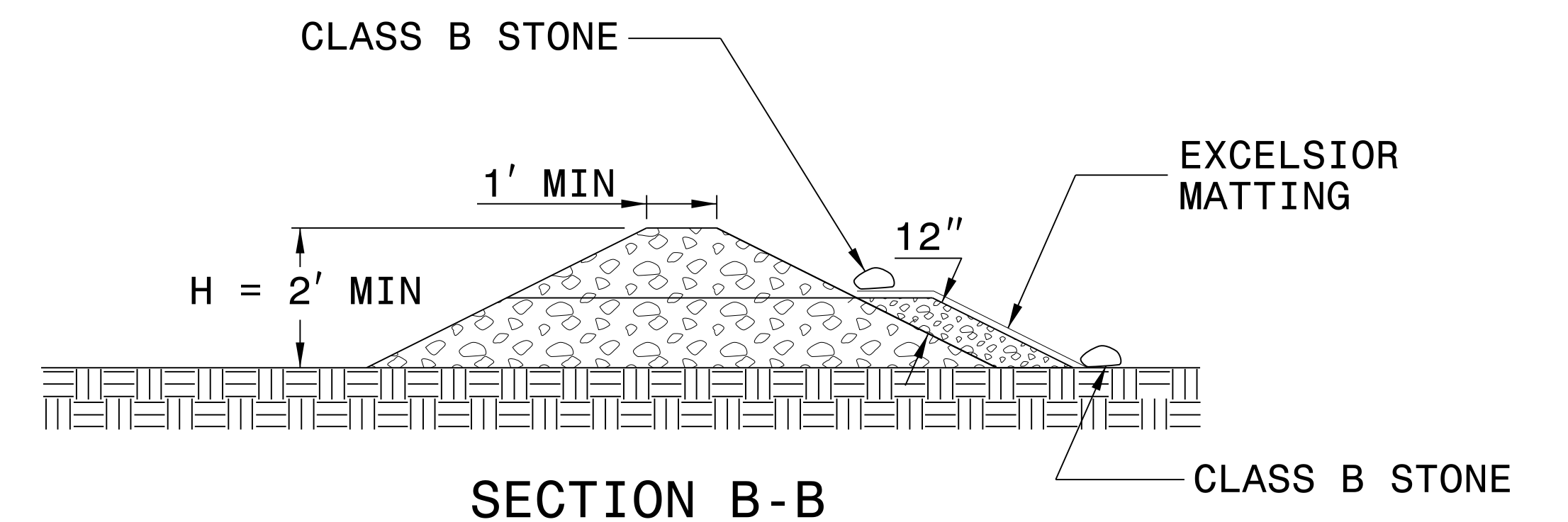
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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PROJECT REFERENCE NO. <i>U-5604</i>	SHEET NO. <i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

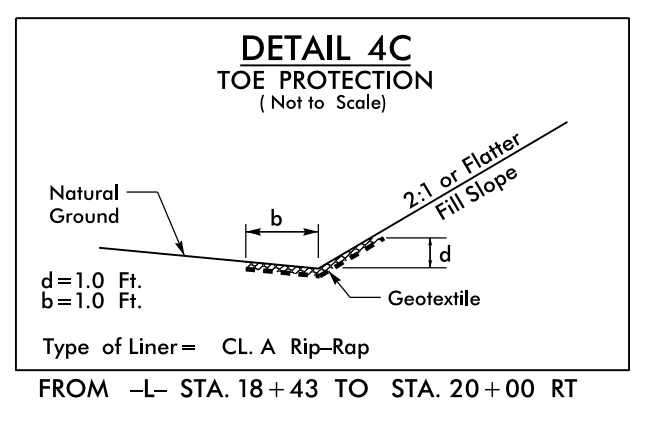
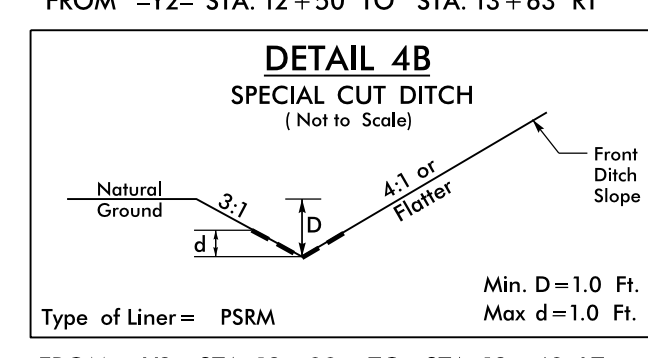
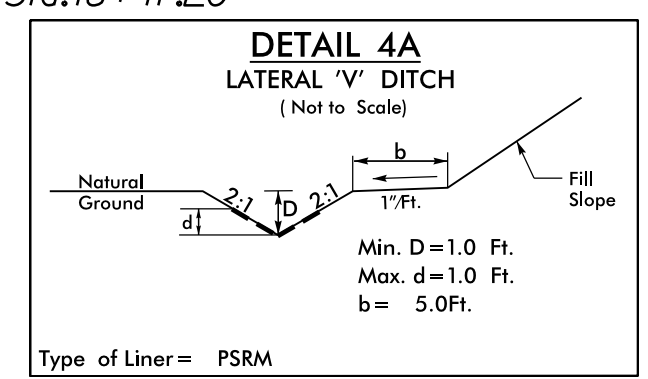
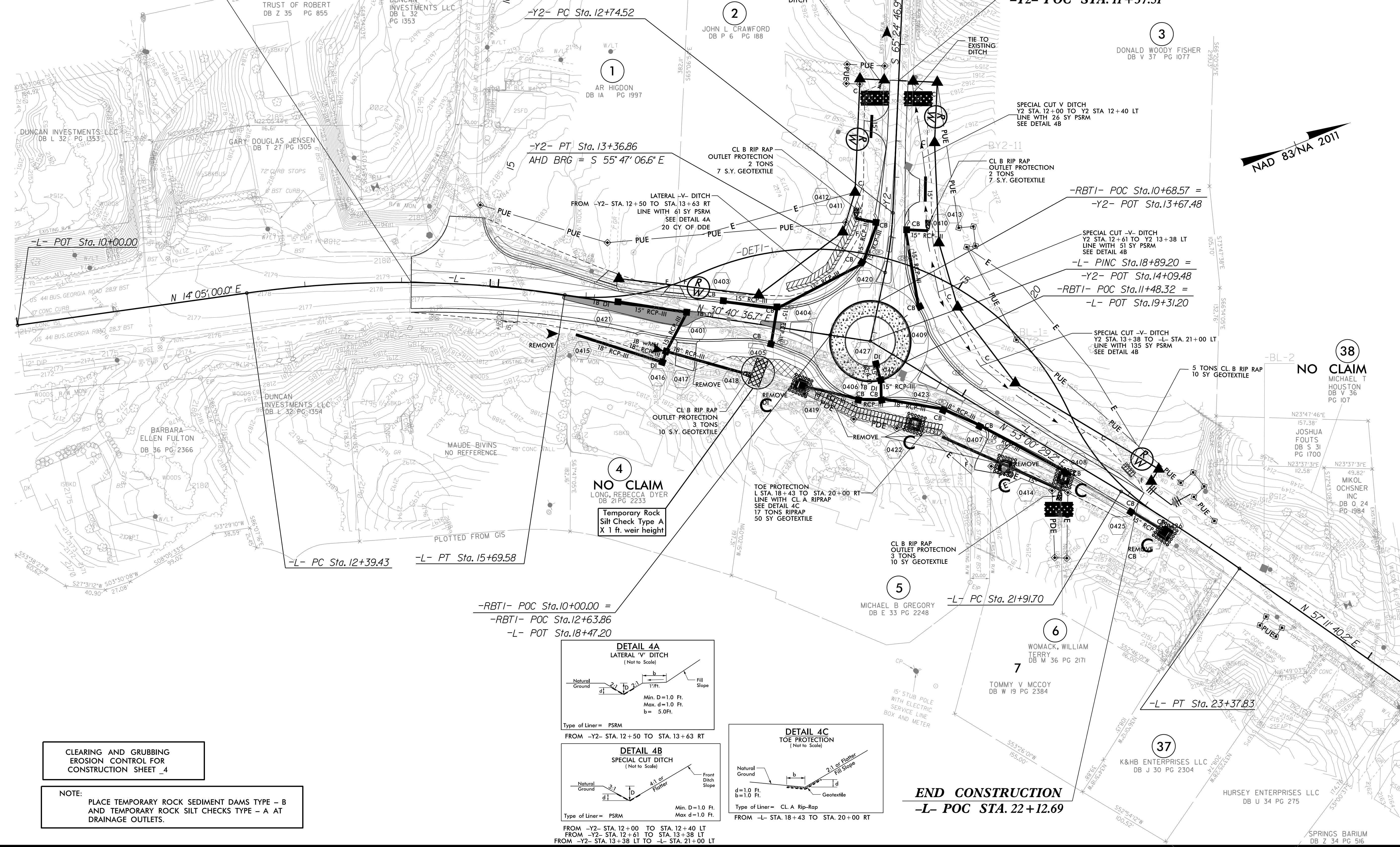
# ***SOIL STABILIZATION TIMEFRAMES***

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.



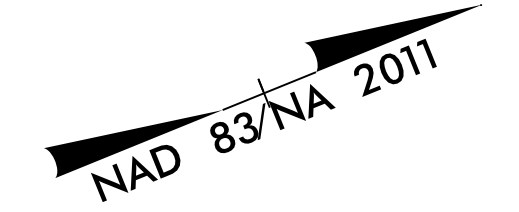
**BEGIN PROJECT U-5604**  
**-L- POC STA. 14+10.00**

**BEGIN CONSTRUCTION**  
**-Y2- POC STA. 11+37.51**



**CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 4**

**NOTE:**  
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
 DRAINAGE OUTLETS.



REVISIONS

8/17/99

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**38**  
**NO CLAIM**  
 MICHAEL T HOUSTON  
 DB V 36 PG 107

**4**  
**NO CLAIM**  
 LONG, REBECCA DYER  
 DB 21 PG 2233

**5**  
 MICHAEL B GREGORY  
 DB E 33 PG 2248

**7**  
 WOMACK, WILLIAM  
 TERRY DB M 36 PG 2171

**37**  
 K&H ENTERPRISES LLC  
 DB J 30 PG 2304

HURSEY ENTERPRISES LLC  
 DB U 34 PG 275

SPRINGS BARIUM  
 DB Z 34 PG 516



SEE SHEET 2B-2 AND 2B-3 FOR SUPERELEVATION

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

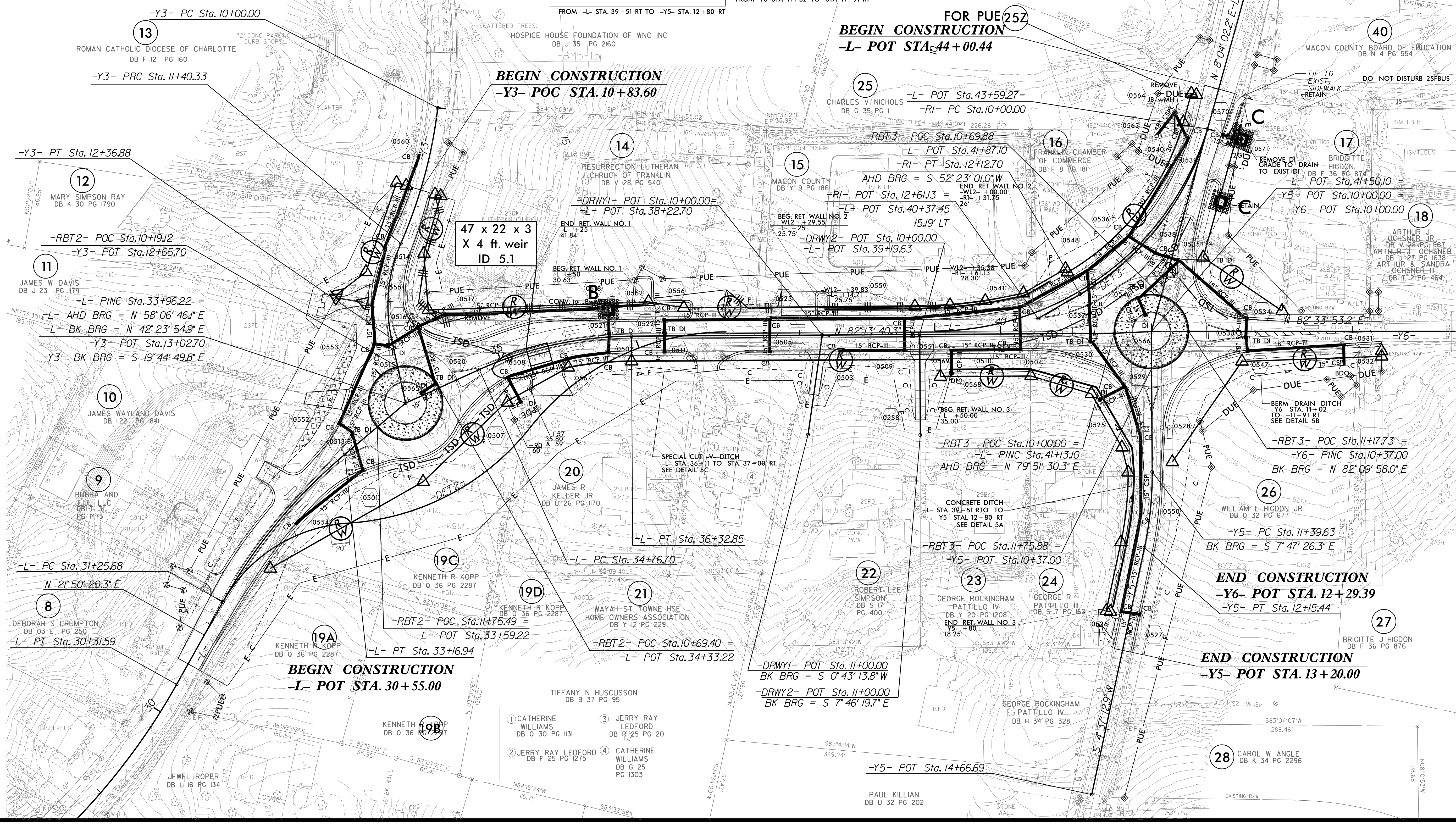
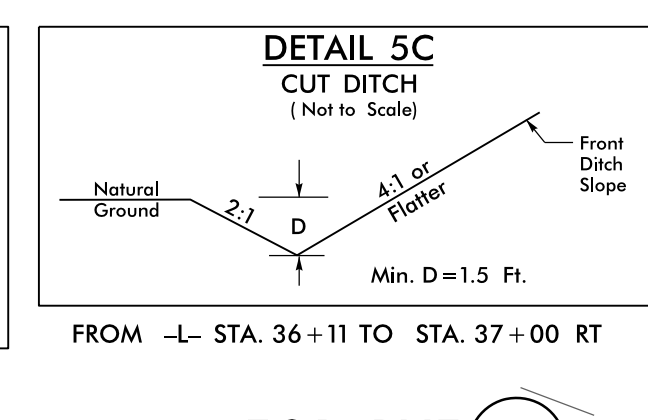
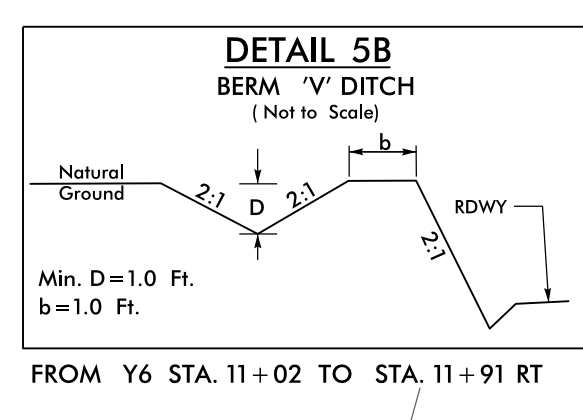
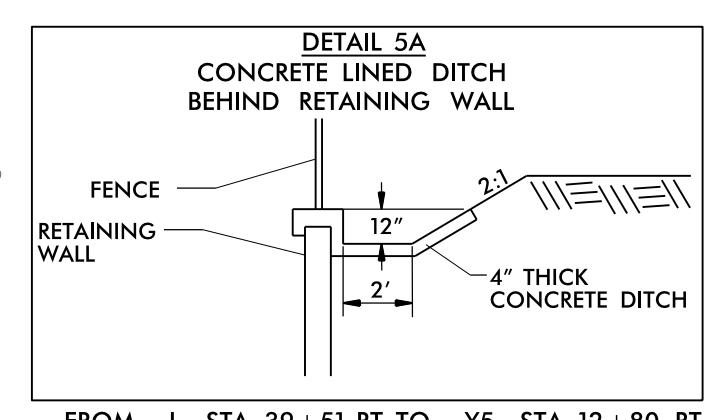
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

PROJECT REFERENCE NO.	SHEET NO.
U-5604	EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-Y3-	-Y3-	-L-	-L-	-L-	-Y5-
PI Sta 10+70.67 Δ = 16' 45" 03.1" (RT) D = 11' 56" 11.8" L = 140.33' T = 70.67' R = 480.00' SE = EXIST. RO = SEE PLANS	PI Sta 11+90.25 Δ = 35' 55" 11.1" (LT) D = 37' 12" 18.2" L = 96.55' T = 49.92' R = 154.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 28+36.16 Δ = 35' 21" 19.9" (LT) D = 8' 44" 50.8" L = 404.18' T = 208.76' R = 655.00' SE = EXIST. RO = EXIST.	PI Sta 32+22.35 Δ = 20' 33" 34.6" (RT) D = 10' 44" 58.8" L = 191.26' T = 96.67' R = 533.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 35+35.55 Δ = 24' 06" 54.3" (RT) D = 15' 26" 37.0" L = 157.25' T = 79.25' R = 371.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 11+77.69 Δ = 12' 24" 39.2" (RT) D = 16' 22" 12.8" L = 75.81' T = 38.06' R = 350.00' SE = SEE PLANS RO = SEE PLANS

RELEASE FOR CONSTRUCTION  
DATE FEBRUARY 5, 2018

-RBT2-	-RBT3-	-RI-
PI Sta 10+00.00 Δ = 359' 59" 21.6" (RT) D = 154' 51" 12.4" L = 232.47' T = 0.00' R = 37.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 10+00.01 Δ = 359' 57" 12.8" (RT) D = 154' 51" 12.4" L = 232.45' T = 0.00' R = 37.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 11+11.99 Δ = 44' 18" 58.7" (RT) D = 20' 50" 05.4" L = 212.70' T = 111.99' R = 275.00' SE = SEE PLANS RO = SEE PLANS



47 x 22 x 3  
X 4 ft. weir  
ID 5.1

BEGIN CONSTRUCTION  
-Y3- POC STA. 10+83.60

FOR PUE (25Z)  
BEGIN CONSTRUCTION  
-L- POT STA. 44+00.44

END CONSTRUCTION  
-Y6- POT STA. 12+29.39  
-Y5- PT STA. 12+15.44

END CONSTRUCTION  
-Y5- POT STA. 13+20.00

- 1 CATHERINE WILLIAMS DB O 30 PG 131
- 2 JERRY RAY LEDFORD DB F 25 PG 1275
- 3 JERRY RAY LEDFORD DB R 25 PG 20
- 4 CATHERINE WILLIAMS DB G 25 PG 1303

REVISIONS

8/17/19

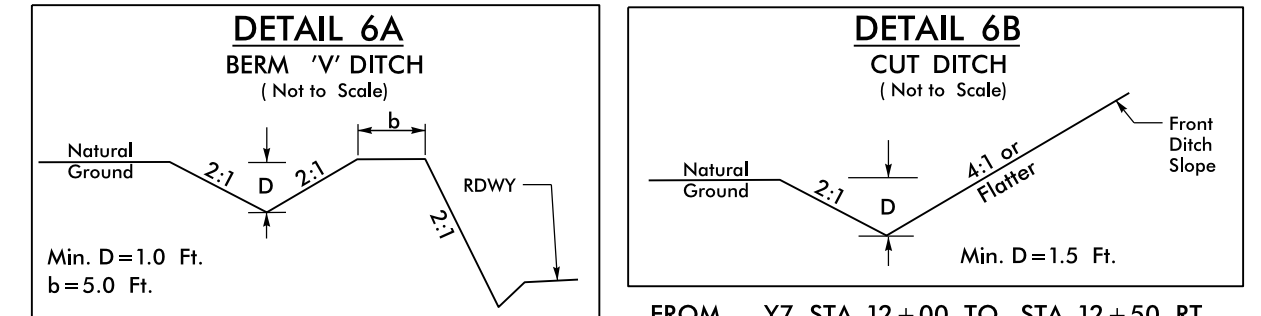
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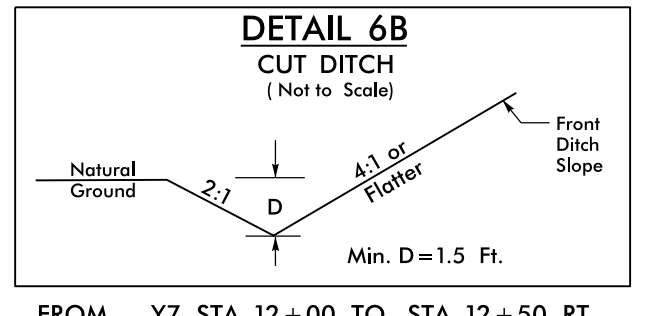
PROJECT REFERENCE NO.	SHEET NO.
U-5604	EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 6

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.



FROM -Y7- STA. 11+65 RT TO Y7 STA. 12+00 RT  
FROM -Y7- STA. 12+50 RT TO Y9 STA. 10+40 RT  
FROM -Y9- STA. 10+40 RT TO Y9 STA. 11+50 RT



FROM Y7 STA. 12+00 TO STA. 12+50 RT

**BEGIN CONSTRUCTION**  
-Y7- POC STA. 11+40.00

**BEGIN CONSTRUCTION**  
-Y8- POT STA. 14+60.00

-Y8- PC Sta. 15+20.45

-RBT4- POC Sta. 10+53.32 =  
-Y8- POT Sta. 16+21.67

-Y7- POT Sta. 13+87.84 =  
-Y8- POT Sta. 16+58.69 =  
-Y9- PC Sta. 10+00.00

**END CONSTRUCTION**  
-Y9- POC STA. 11+95.00

REVISIONS

SEE SHEET 2B-4 FOR SUPERELEVATION

-Y7-	-Y8-	-Y9-	-RBT4-
PI Sta 10+95.86	PI Sta 15+90.48	PI Sta 10+70.33	PI Sta 13+25.12
$\Delta = 22' 21' 37.6"$ (RT)	$\Delta = 22' 37' 45.7"$ (RT)	$\Delta = 2' 41' 08.7"$ (RT)	$\Delta = 4' 08' 37.1"$ (RT)
D = 11' 48' 48.8"	D = 16' 22' 12.8"	D = 1' 54' 35.5"	D = 1' 07' 24.4"
L = 189.28'	L = 138.23'	L = 140.63'	L = 368.83'
T = 95.86'	T = 70.03'	T = 70.33'	T = 184.50'
R = 485.00'	R = 350.00'	R = 3,000.00'	R = 5,100.00'
SE = EXIST.	SE = SEE PLANS	SE = SEE PLANS	SE = EXIST.
RO = SEE PLANS	RO = SEE PLANS	RO = SEE PLANS	RO = SEE PLANS

8/17/19

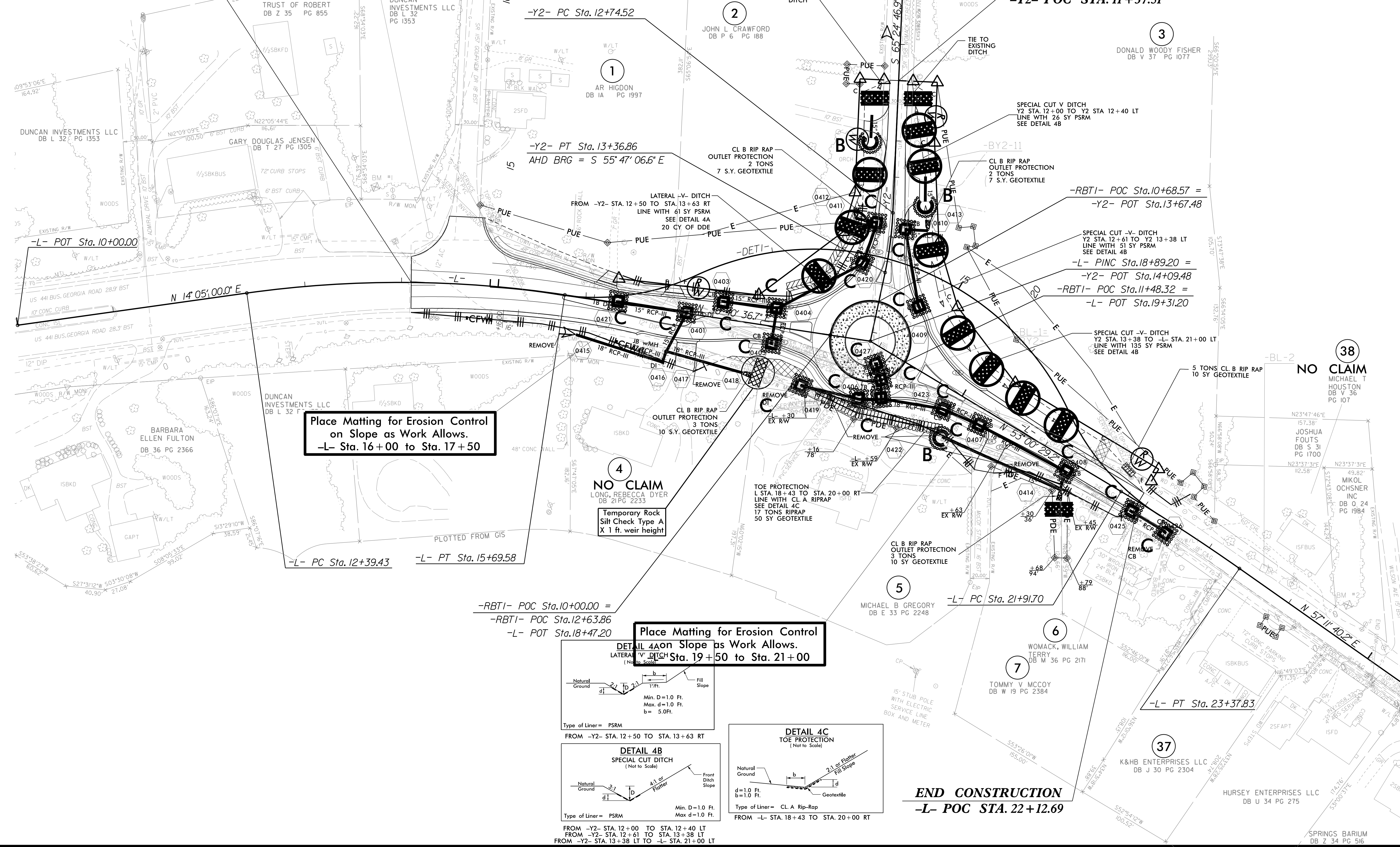
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PROJECT REFERENCE NO.	SHEET NO.
U-5604	EC-7/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**BEGIN PROJECT U-5604**  
**-L- POC STA. 14+10.00**

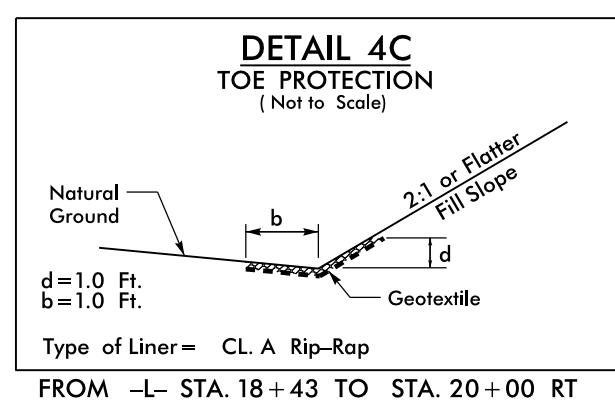
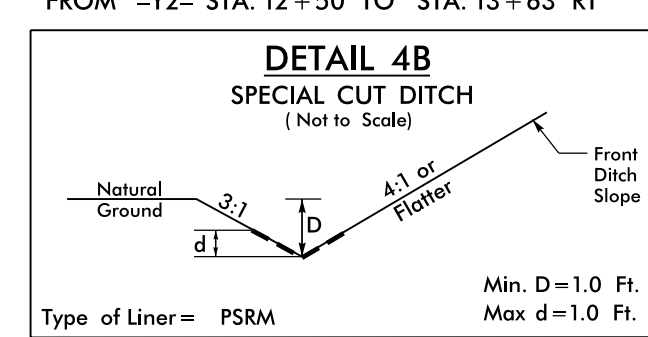
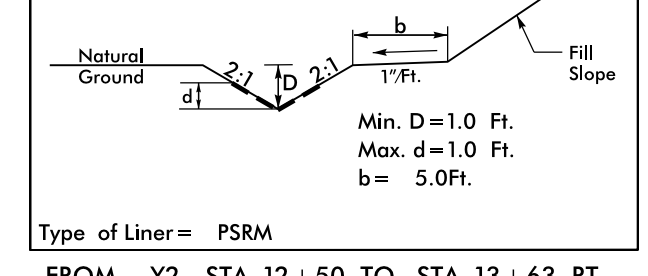
**BEGIN CONSTRUCTION**  
**-Y2- POC STA. 11+37.51**



**NO CLAIM**  
 LONG, REBECCA DYER  
 DB 21 PG 2233  
**Temporary Rock**  
**Silt Check Type A**  
**X 1 ft. weir height**

**NO CLAIM**  
 MICHAEL T. HOUSTON  
 DB V 36 PG 107

**Place Matting for Erosion Control**  
**on Slope as Work Allows.**  
**DETAIL 4A on Lateral V-Ditch Sta. 19+50 to Sta. 21+00**



**END CONSTRUCTION**  
**-L- POC STA. 22+12.69**

REVISIONS

8/17/99

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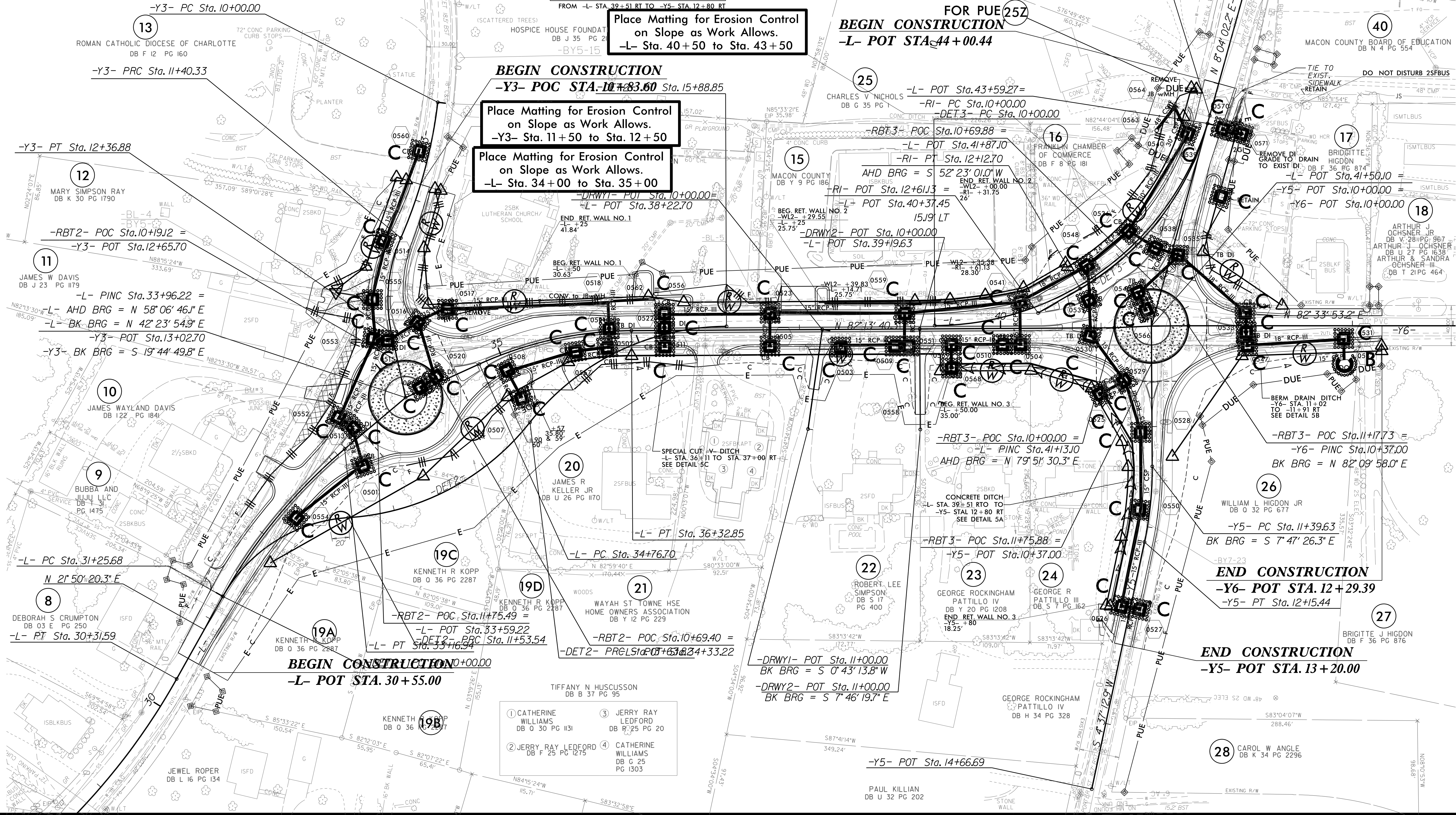
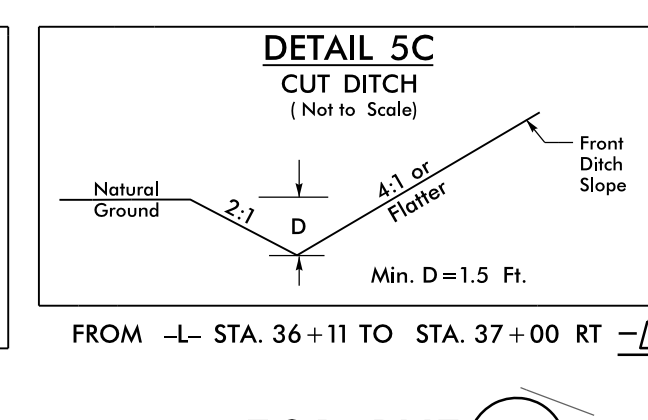
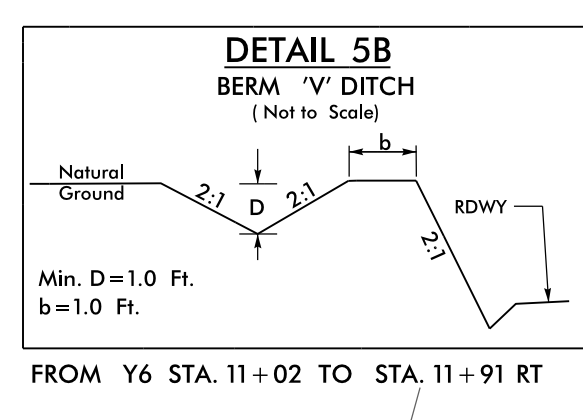
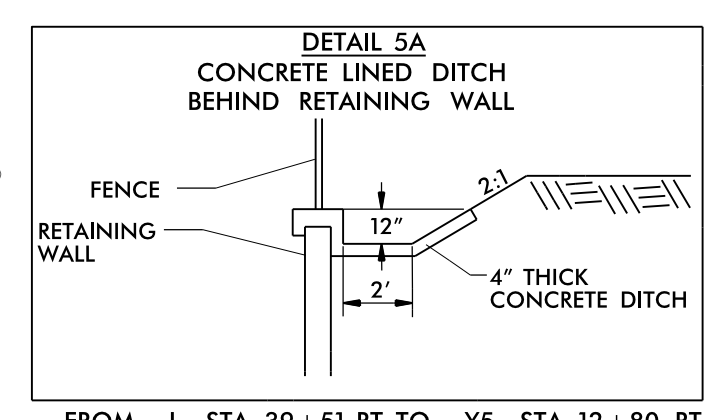
SEE SHEET 2B-2 AND 2B-3 FOR SUPERELEVATION

PROJECT REFERENCE NO.	SHEET NO.
U-5604	EC-8/CONST-5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-Y3-	-Y3-	-L-	-L-	-L-	-Y5-
PI Sta 10+70.67 Δ = 16° 45' 03.1" (RT) D = 11' 56" 11.8" L = 140.33' T = 70.67' R = 480.00' SE = EXIST. RO = SEE PLANS	PI Sta 11+90.25 Δ = 35° 55' 11.1" (LT) D = 37' 12" 18.2" L = 96.55' T = 49.92' R = 154.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 28+36.16 Δ = 35° 21' 19.9" (LT) D = 8' 44" 50.8" L = 404.18' T = 208.76' R = 655.00' SE = EXIST. RO = EXIST.	PI Sta 32+22.35 Δ = 20° 33' 34.6" (RT) D = 10' 44" 58.8" L = 191.26' T = 96.67' R = 533.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 35+55.95 Δ = 24° 06' 54.3" (RT) D = 15' 26" 37.0" L = 156.15' T = 79.25' R = 371.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 11+77.69 Δ = 12° 24' 39.2" (RT) D = 16' 22" 12.8" L = 75.81' T = 38.06' R = 350.00' SE = SEE PLANS RO = SEE PLANS

-RBT2-	-RBT3-	-RI-
PI Sta 10+00.00 Δ = 35° 59' 21.6" (RT) D = 154' 51" 12.4" L = 232.47' T = 0.00' R = 37.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 10+00.01 Δ = 35° 57' 12.8" (RT) D = 154' 51" 12.4" L = 232.45' T = 0.00' R = 37.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 11+11.99 Δ = 44° 18' 58.7" (RT) D = 20' 50" 05.4" L = 212.70' T = 111.99' R = 275.00' SE = SEE PLANS RO = SEE PLANS

RELEASE FOR CONSTRUCTION  
DATE FEBRUARY 5, 2018



**Place Matting for Erosion Control on Slope as Work Allows.**  
-L- Sta. 40+50 to Sta. 43+50

**Place Matting for Erosion Control on Slope as Work Allows.**  
-Y3- Sta. 11+50 to Sta. 12+50

**Place Matting for Erosion Control on Slope as Work Allows.**  
-L- Sta. 34+00 to Sta. 35+00

**FOR PUE 25Z**  
**BEGIN CONSTRUCTION**  
-L- POT STA. 44+00.44

**END CONSTRUCTION**  
-Y6- POT STA. 12+29.39  
-Y5- PT Sta. 12+15.44

**END CONSTRUCTION**  
-Y5- POT STA. 13+20.00

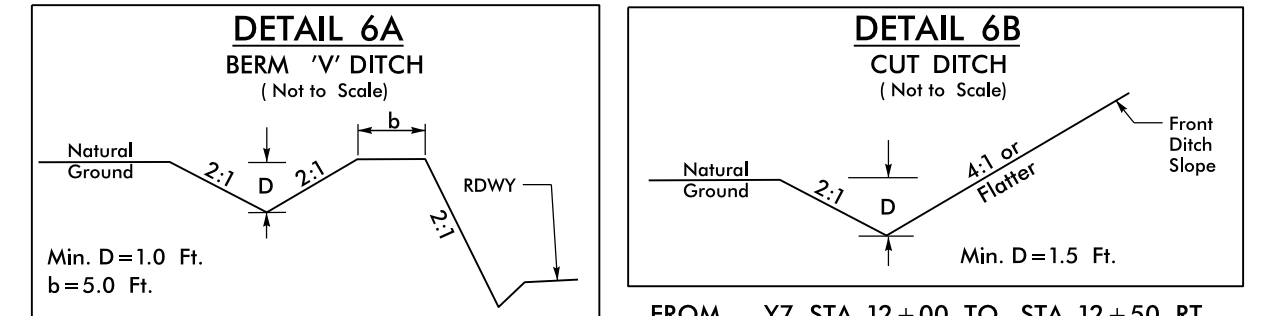
- 1 CATHERINE WILLIAMS DB O 30 PG 131
- 2 JERRY RAY LEDFORD DB F 25 PG 1275
- 3 JERRY RAY LEDFORD DB R 25 PG 20
- 4 CATHERINE WILLIAMS DB G 25 PG 1303

REVISIONS

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FROM -Y7- STA. 11+65 RT TO Y7 STA. 12+00 RT  
 FROM -Y7- STA. 12+50 RT TO Y9 STA. 10+40 RT  
 FROM -Y9- STA. 10+40 RT TO Y9 STA. 11+50 RT

FROM Y7 STA. 12+00 TO STA. 12+50 RT

**BEGIN CONSTRUCTION**  
 -Y7- POC STA. 11+40.00

**BEGIN CONSTRUCTION**  
 -Y8- POT STA. 14+60.00  
 Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Y8 Sta. 15+00 to Sta. 16+00

-Y8- PC Sta. 15+20.45  
 -DET4- PC Sta. 11+96.48  
 AHD BRG = S 25° 08' 59.5" E

-RBT4- POC Sta. 10+53.32 =  
 -Y8- POT Sta. 16+21.67

-Y7- POT Sta. 13+87.84 =  
 -Y8- POT Sta. 16+58.69 =  
 -Y9- PC Sta. 10+00.00

**BEGIN CONSTRUCTION**  
 -Y9- POC STA. 11+95.00

-DET4- PT Sta. 14+12.16  
 41' & 72' & EX. RW

REVISIONS

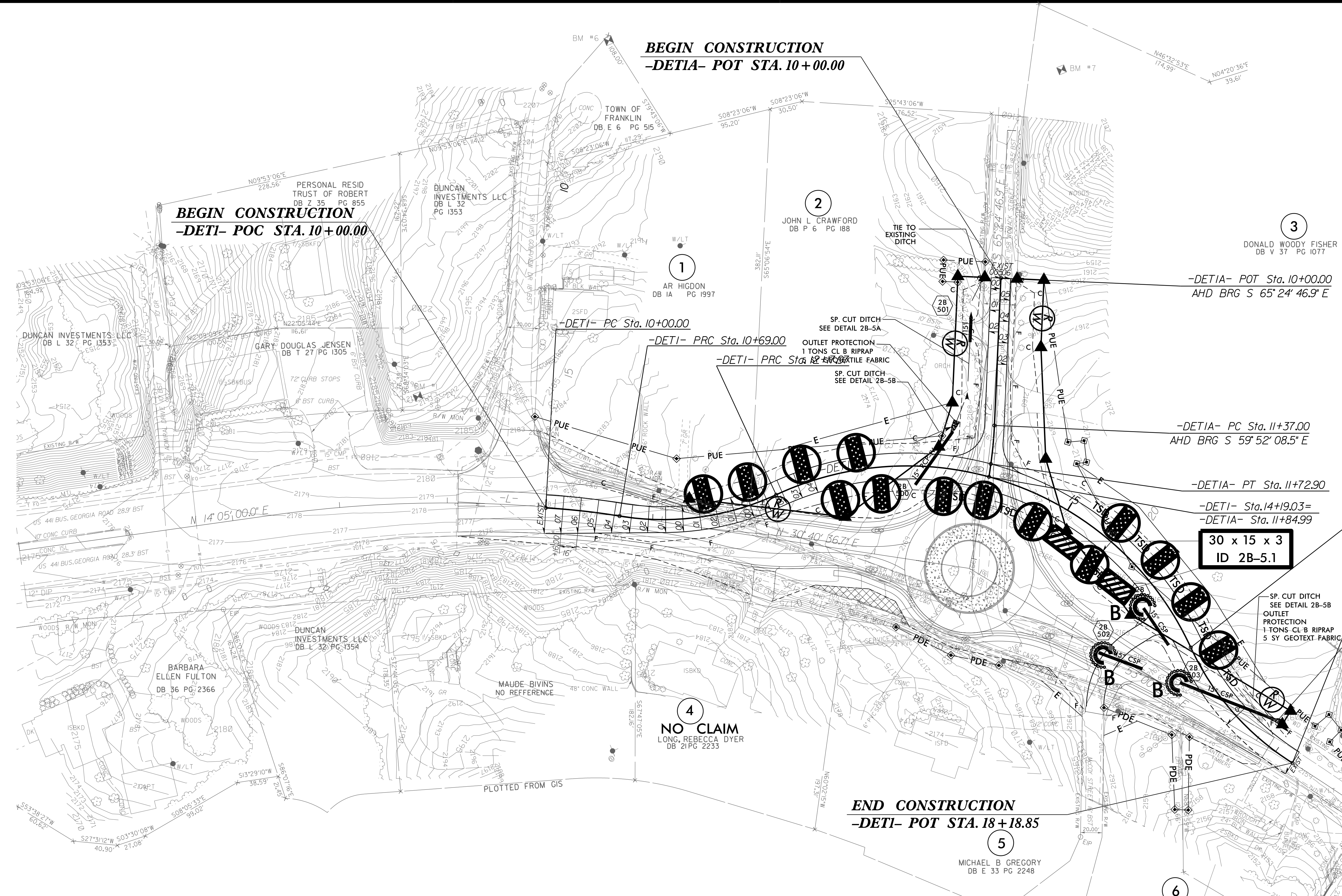
SEE SHEET 2B-4 FOR SUPERELEVATION

-Y7-	-Y8-	-Y9-	-RBT4-
PI Sta 10+95.86	PI Sta 15+90.48	PI Sta 10+70.33	PI Sta 10+00.00
$\Delta = 22' 21' 37.6"$ (RT)	$\Delta = 22' 37' 45.7"$ (RT)	$\Delta = 2' 41' 08.7"$ (RT)	$\Delta = 359' 59' 59.7"$ (RT)
D = 11' 48' 48.8"	D = 16' 22' 12.8"	D = 1' 54' 35.5"	D = 154' 51' 12.4"
L = 189.28'	L = 138.23'	L = 140.63'	L = 368.83'
T = 95.86'	T = 70.03'	T = 70.33'	T = 0.00'
R = 485.00'	R = 350.00'	R = 3,000.00'	R = 37.00'
SE = EXIST.	SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS
RO = SEE PLANS	RO = SEE PLANS	RO = SEE PLANS	RO = SEE PLANS

8/17/19

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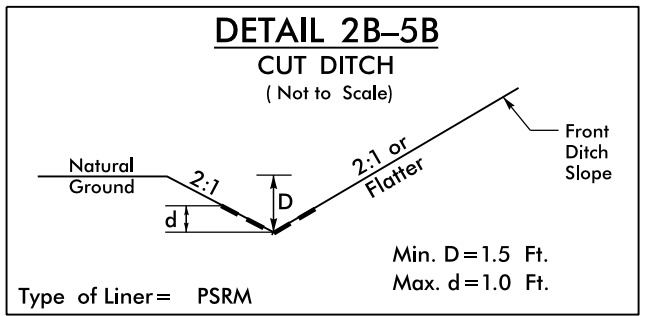
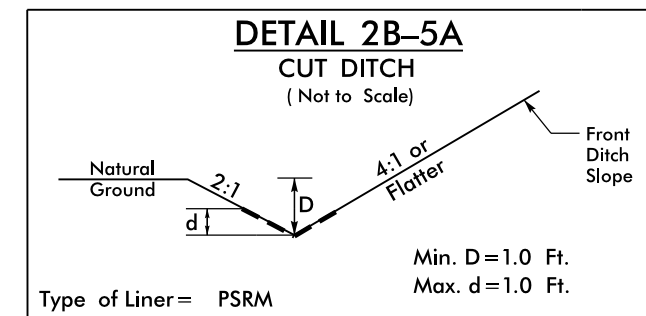




NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

-DETI-			
PI Sta 10+34.53 Δ = 6' 02" 08.9" (RT) D = 8' 44" 52.6" L = 69.00' T = 34.53' R = 654.96'	PI Sta 11+45.77 Δ = 34' 08" 29.4" (LT) D = 22' 55" 05.9" L = 148.97' T = 76.77' R = 250.00'	PI Sta 15+08.36 Δ = 90' 04" 41.4" (RT) D = 19' 45" 25.8" L = 455.93' T = 290.40' R = 290.00'	PI Sta 17+48.47 Δ = 33' 13" 13.8" (LT) D = 22' 55" 05.9" L = 144.95' T = 74.58' R = 250.00'

-DETI-
PI Sta 11+54.97 Δ = 5' 32" 38.4" (RT) D = 15' 26" 37.0" L = 35.90' T = 17.96' R = 371.00'



FROM -DETI- STA. 10+00 RT TO -DETI- STA. 11+35 RT  
FROM DETI STA 17+29 TO 18+00 LT  
FROM DETI STA 13+50 TO 13+80 LT

REVISIONS

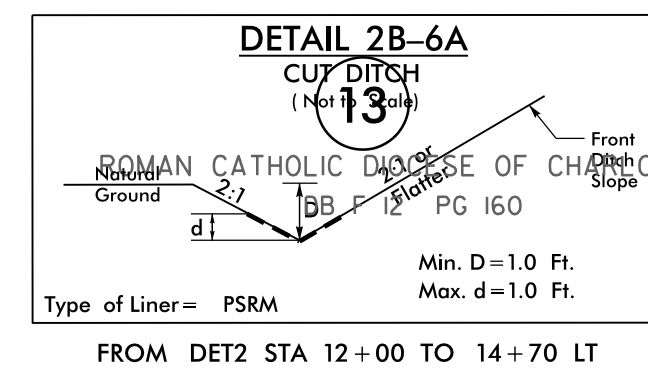
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CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 2B-6

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

-DET2-		
PI Sta 10+83.83 Δ = 57° 07' 33.2" (RT) D = 37' 12" 18.2" L = 153.54' T = 83.83' R = 154.00'	PI Sta 12+65.35 Δ = 48° 11' 30.3" (LT) D = 22' 55" 05.9" L = 210.28' T = 111.81' R = 250.00'	PI Sta 14+84.61 Δ = 51° 34' 27.6" (RT) D = 22' 55" 05.9" L = 225.04' T = 120.79' R = 250.00'



**END CONSTRUCTION**  
-DET3- POC STA. 13+40.58

**END CONSTRUCTION**  
-DET2- POC STA. 15+88.85

**FOR PUE 25Z**  
12 INCH  
SLOPE DRAIN  
PIPE

-DET3- PC Sta. 10+00.00

**BEGIN CONSTRUCTION**  
-DET3- POC STA. 10+00.00

**BEGIN CONSTRUCTION**  
-DET2- POC STA. 10+00.00

- |  |   |
|--|---|
| 1 CATHERINE WILLIAMS<br>DB O 30 PG 131 | 3 JERRY RAY LEDFORD<br>DB R 25 PG 20    |
| 2 JERRY RAY LEDFORD<br>DB F 25 PG 1275 | 4 CATHERINE WILLIAMS<br>DB G 25 PG 1303 |

-DET3-	
PI Sta 12+15.86	Δ = 74° 16' 48.6" (LT)
D = 20' 06" 13.6"	L = 369.48'
T = 215.86'	R = 285.00'

PAUL KILLIAN  
DB U 32 PG 202

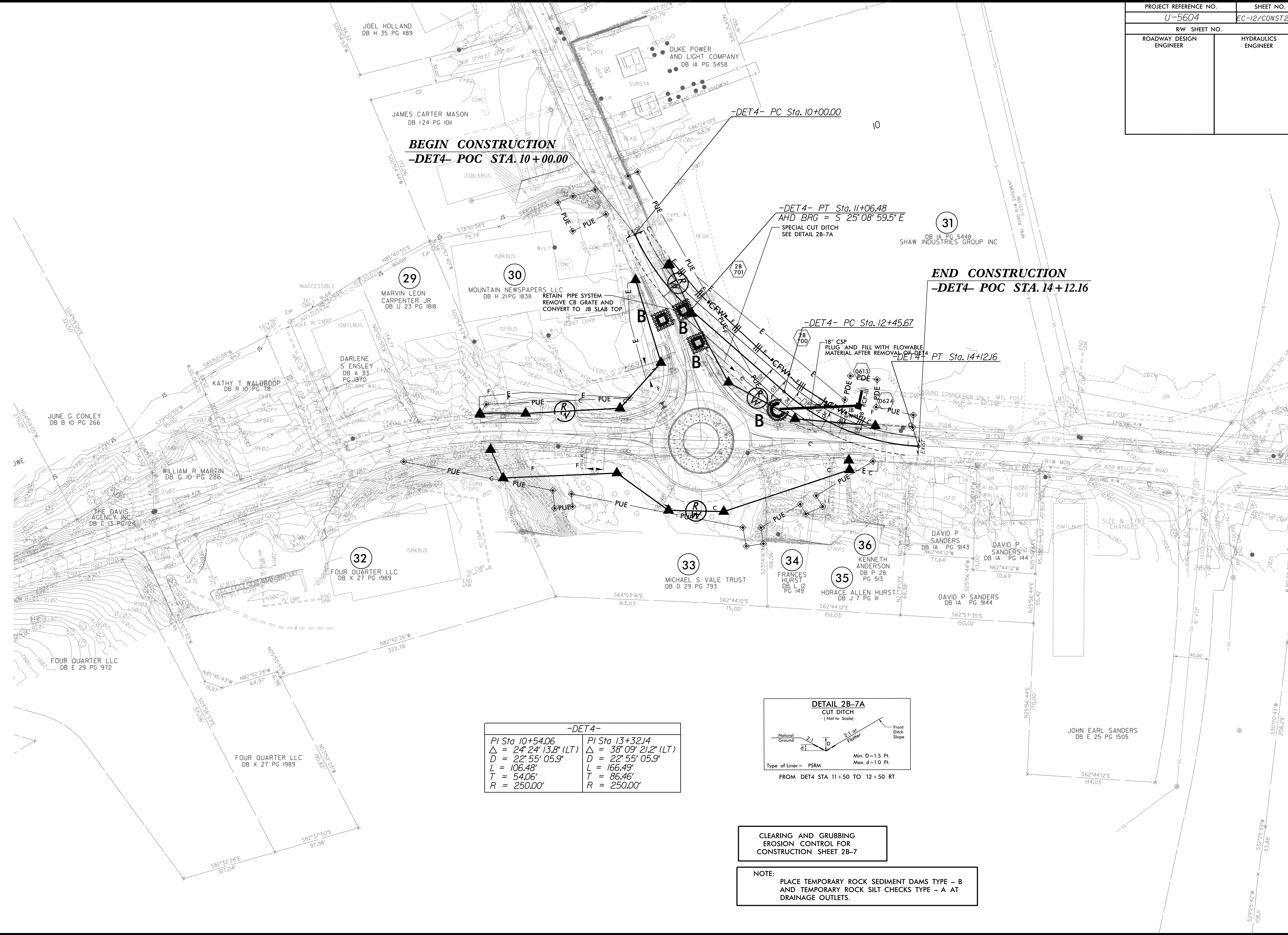
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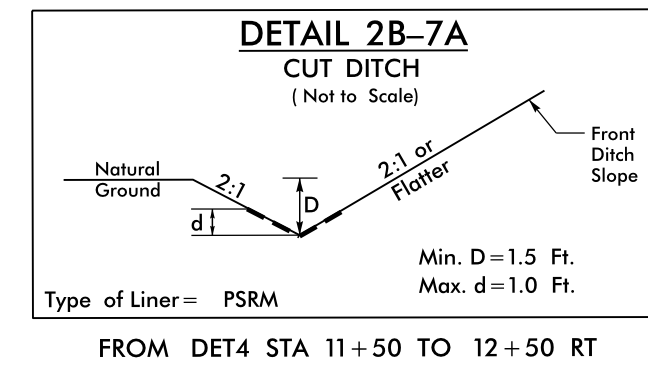
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**BEGIN CONSTRUCTION**  
-DET4- POC STA. 10+00.00

**END CONSTRUCTION**  
-DET4- POC STA. 14+12.16

-DET4-	
PI Sta 10+54.06	PI Sta 13+32.14
$\Delta = 24' 24' 13.8" (LT)$	$\Delta = 38' 09' 21.2" (LT)$
$D = 22' 55' 05.9"$	$D = 22' 55' 05.9"$
$L = 106.48'$	$L = 166.49'$
$T = 54.06'$	$T = 86.46'$
$R = 250.00'$	$R = 250.00'$



CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 2B-7

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

REVISIONS

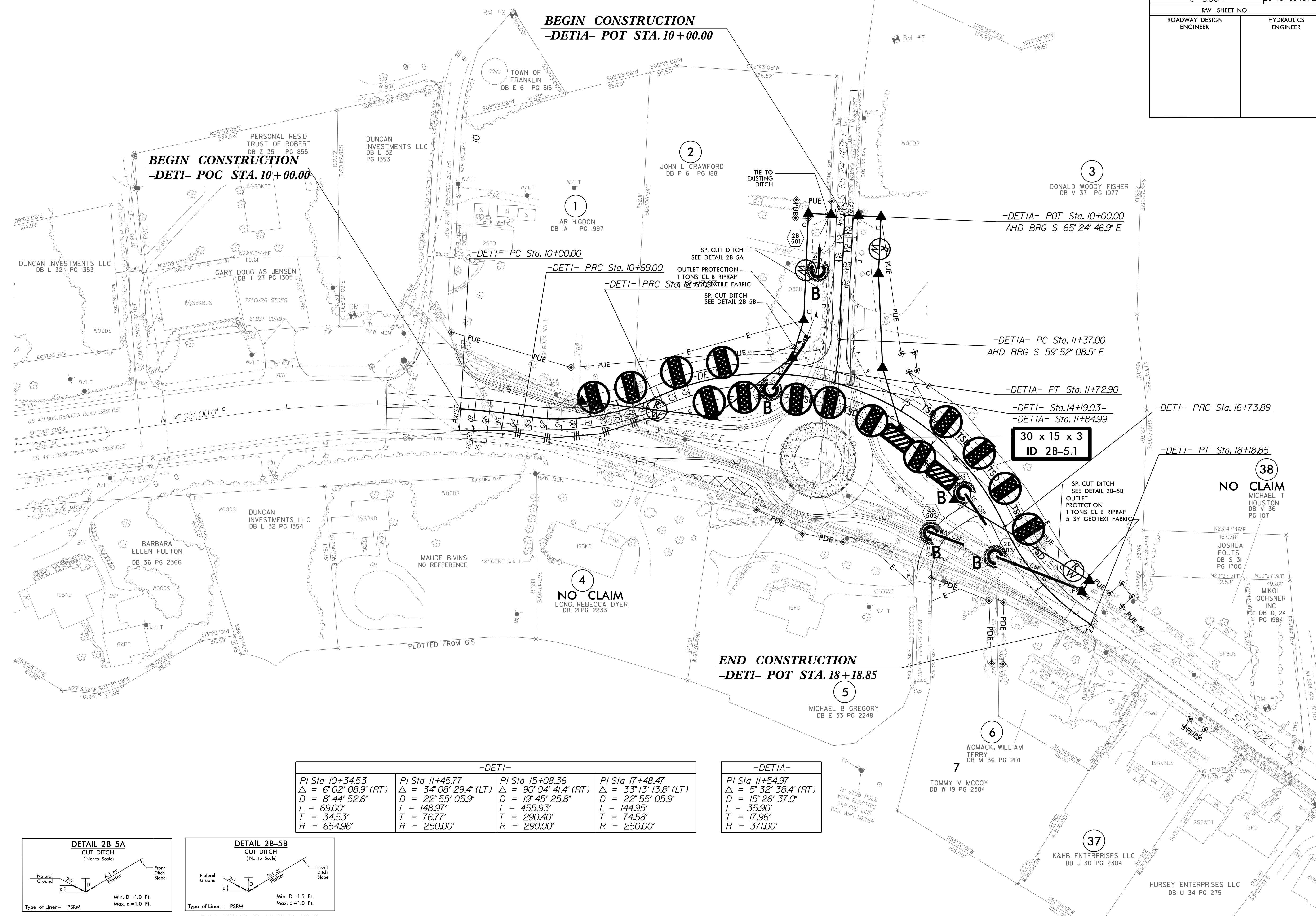
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**BEGIN CONSTRUCTION**  
-DETI- POT STA. 10+00.00

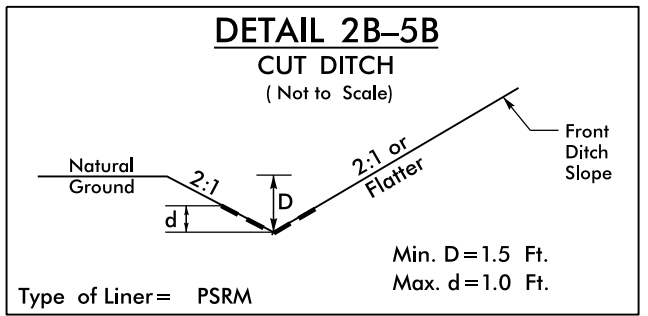
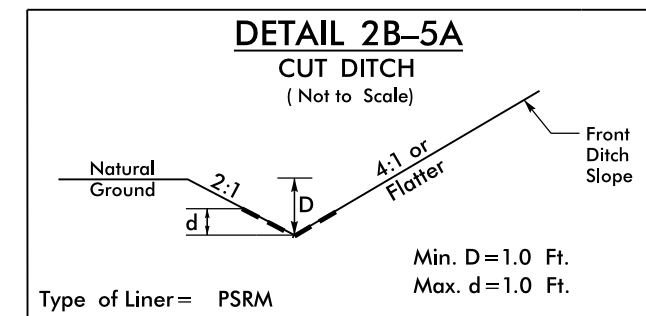
**BEGIN CONSTRUCTION**  
-DETI- POC STA. 10+00.00

**END CONSTRUCTION**  
-DETI- POT STA. 18+18.85



-DETI-			
PI Sta 10+34.53 Δ = 6' 02" 08.9" (RT) D = 8' 44" 52.6" L = 69.00' T = 34.53' R = 654.96'	PI Sta 11+45.77 Δ = 34' 08" 29.4" (LT) D = 22' 55" 05.9" L = 148.97' T = 76.77' R = 250.00'	PI Sta 15+08.36 Δ = 90' 04" 41.4" (RT) D = 19' 45" 25.8" L = 455.93' T = 290.40' R = 290.00'	PI Sta 17+48.47 Δ = 33' 13" 13.8" (LT) D = 22' 55" 05.9" L = 144.95' T = 74.58' R = 250.00'

-DETI-
PI Sta 11+54.97 Δ = 5' 32" 38.4" (RT) D = 15' 26" 37.0" L = 35.90' T = 17.96' R = 371.00'



FROM -DETI- STA. 10+00 RT TO -DETI- STA. 11+35 RT  
FROM DETI STA 17+29 TO 18+00 LT  
FROM DETI STA 13+50 TO 13+80 LT

REVISIONS

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**38**  
NO CLAIM  
MICHAEL T HOUSTON  
DB V 36 PG 107

**4**  
NO CLAIM  
LONG, REBECCA DYER  
DB 21 PG 2233

JOSHUA FOUTS  
DB S 31 PG 1700

MIKOL OCHSNER  
INC  
DB O 24 PG 1984

**5**  
MICHAEL B GREGORY  
DB E 33 PG 2248

**7**  
WOMACK, WILLIAM  
TERRY  
DB M 36 PG 2171

**37**  
K&H ENTERPRISES LLC  
DB J 30 PG 2304

HURSEY ENTERPRISES LLC  
DB U 34 PG 275

SPRINGS BARIUM  
DB Z 34 PG 516

**3**  
DONALD WOODY FISHER  
DB V 37 PG 1077

**2**  
JOHN L CRAWFORD  
DB P 6 PG 188

**1**  
AR HIGDON  
DB IA PG 1997

DUNCAN INVESTMENTS LLC  
DB L 32 PG 1353

PERSONAL RESID  
TRUST OF ROBERT  
DB Z 35 PG 855

DUNCAN INVESTMENTS LLC  
DB L 32 PG 1353

GARY DOUGLAS JENSEN  
DB T 27 PG 1305

DUNCAN INVESTMENTS LLC  
DB L 32 PG 1354

BARBARA ELLEN FULTON  
DB 36 PG 2366

MAUDE BIVINS  
NO REFERENCE

**30 x 15 x 3**  
ID 2B-5.1

-DETI- PT Sta. 11+72.90  
-DETI- Sta. 14+19.03 =  
-DETI- Sta. 11+84.99

-DETI- PC Sta. 11+37.00  
AHD BRG S 59° 52' 08.5" E

-DETI- POT Sta. 10+00.00  
AHD BRG S 65° 24' 46.9" E

-DETI- PRC Sta. 16+73.89

-DETI- PT Sta. 18+18.85

-DETI- PRC Sta. 16+73.89

SP. CUT DITCH  
SEE DETAIL 2B-5B  
OUTLET PROTECTION  
1 TONS CL B RIPRAP  
5 SY GEOTEXT FABRIC

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

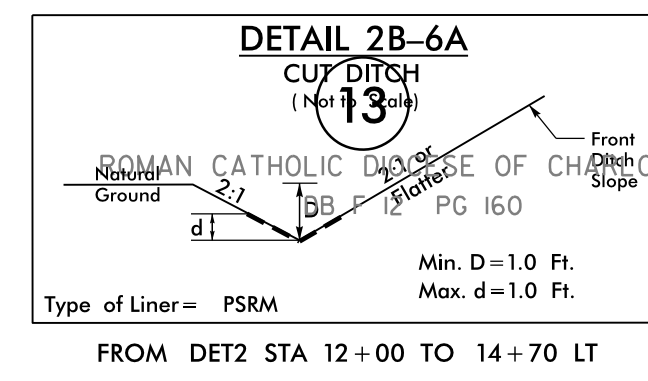
SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP

SP. CUT DITCH  
SEE DETAIL 2B-5A  
OUTLET PROTECTION  
1 TONS CL B RIPRAP



-DET2-		
PI Sta 10+83.83 Δ = 57°07'33.2" (RT) D = 37°12'18.2" L = 153.54' T = 83.83' R = 154.00'	PI Sta 12+65.35 Δ = 48°11'30.3" (LT) D = 22°55'05.9" L = 210.28' T = 111.81' R = 250.00'	PI Sta 14+84.61 Δ = 51°34'27.6" (RT) D = 22°55'05.9" L = 225.04' T = 120.79' R = 250.00'



**END CONSTRUCTION**  
-DET3- POC STA. 13+40.58

**END CONSTRUCTION**  
-DET2- POC STA. 15+88.85

-DET2- PT Sta. 15+88.85

**FOR PUE 25Z**  
12 INCH SLOPE DRAIN PIPE

-DET3- PC Sta. 10+00.00

**BEGIN CONSTRUCTION**  
-DET3- POC STA. 10+00.00

**BEGIN CONSTRUCTION**  
-DET2- POC STA. 10+00.00

- |  |   |
|--|---|
| 1 CATHERINE WILLIAMS<br>DB O 30 PG 131 | 3 JERRY RAY LEDFORD<br>DB R 25 PG 20    |
| 2 JERRY RAY LEDFORD<br>DB F 25 PG 1275 | 4 CATHERINE WILLIAMS<br>DB G 25 PG 1303 |

-DET3-	
PI Sta 12+15.86	Δ = 74°16'48.6" (LT)
D = 20°06'13.6"	L = 369.48'
T = 215.86'	R = 285.00'

REVISIONS

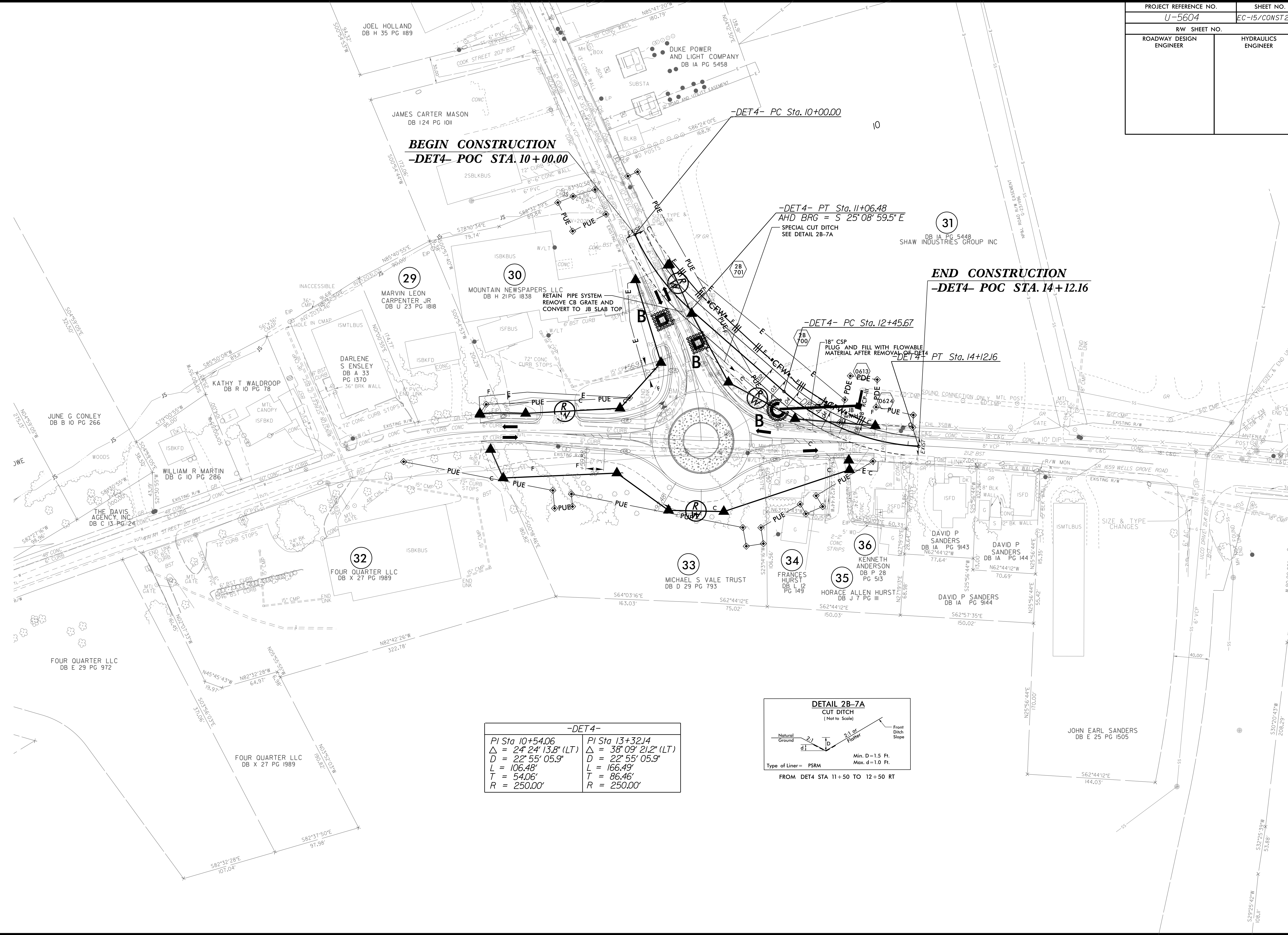
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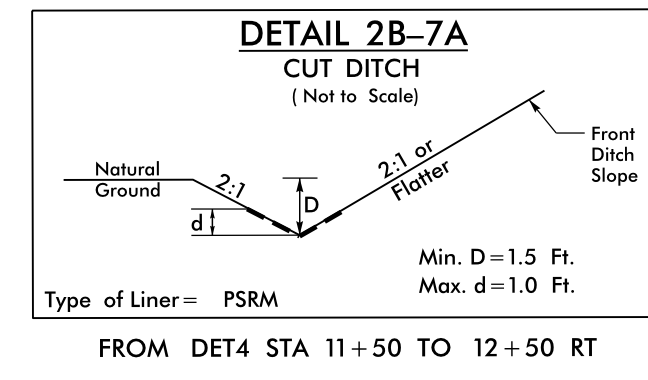
REVISIONS



**BEGIN CONSTRUCTION**  
-DET4- POC STA. 10+00.00

**END CONSTRUCTION**  
-DET4- POC STA. 14+12.16

-DET4-	
PI Sta 10+54.06	PI Sta 13+32.14
$\Delta = 24' 24' 13.8''$ (LT)	$\Delta = 38' 09' 21.2''$ (LT)
D = 22' 55' 05.9"	D = 22' 55' 05.9"
L = 106.48'	L = 166.49'
T = 54.06'	T = 86.46'
R = 250.00'	R = 250.00'



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