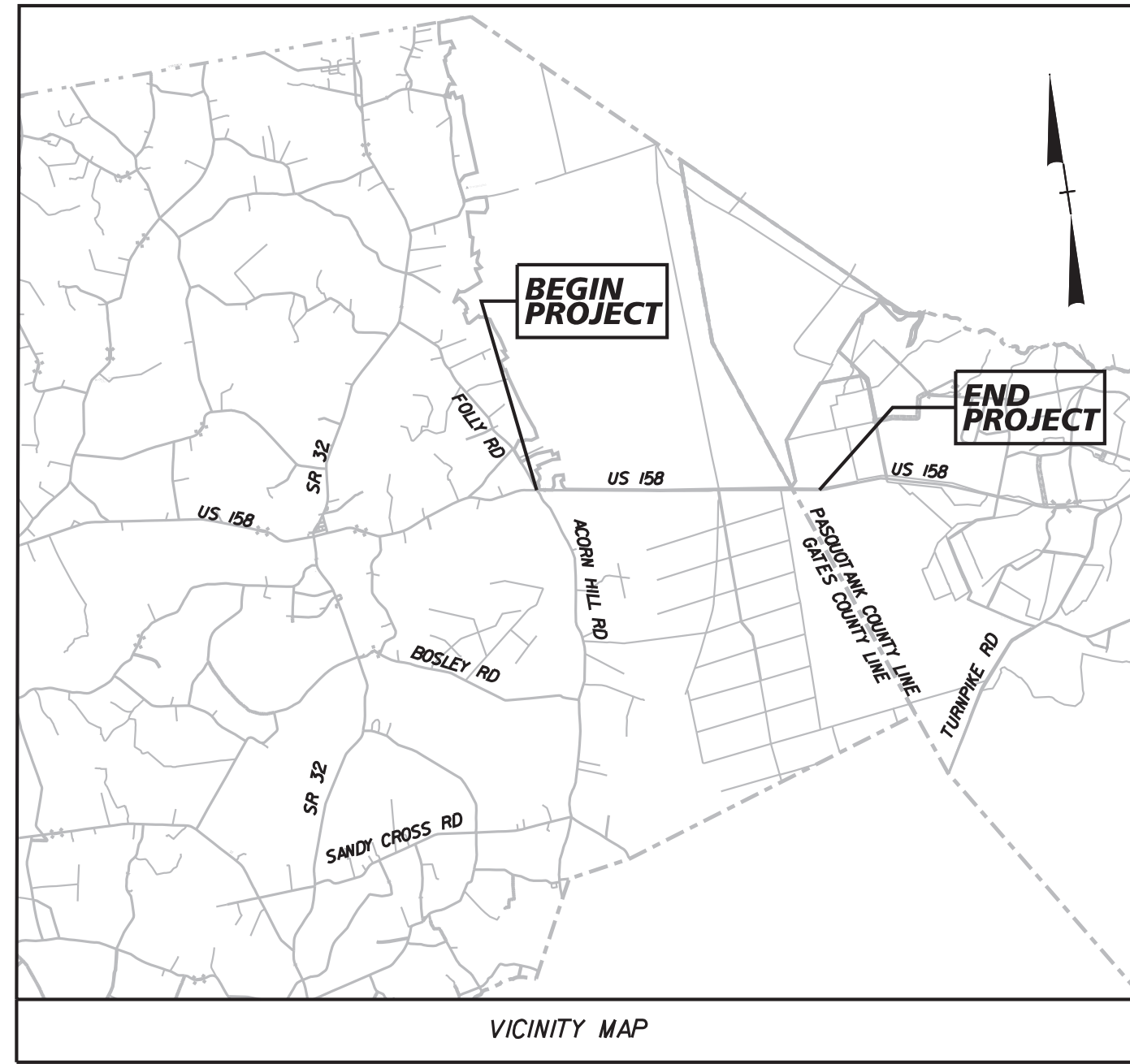


**TIP PROJECT: R-5808**

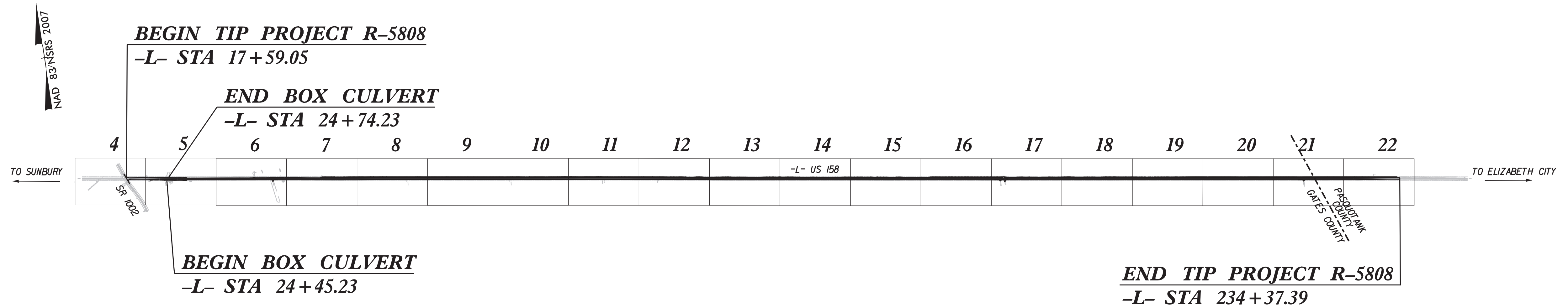
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5808	EC-1	41
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 PLAN FOR PROPOSED  
 HIGHWAY EROSION CONTROL  
**GATES AND PASQUOTANK COUNTY**

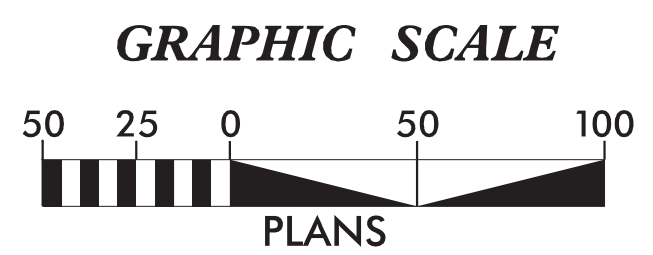
**LOCATION: US 158 FROM THE INTERSECTION OF SR 1002 (ACORN HILL ROAD) AND US 158 TO 0.27 MI. EAST OF THE PASQUOTANK COUNTY LINE**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, WIDENING, AND CULVERT**



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III MODIFIED  
 THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARY

THIS PROJECT CONTAINS  
 EROSION CONTROL PLANS  
 FOR CLEARING AND  
 GRUBBING PHASE OF  
 CONSTRUCTION.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH  
 THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000  
 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019  
 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF  
 ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

**Kimley»Horn**

Prepared in the Office of:  
**Kimley-Horn**  
 421 Fayetteville Street, Suite 600  
 Raleigh, NC 27601

Designed by:  
**DAVID HURSEY** 4359  
 NAME LEVEL III CERTIFICATION NO.

**Roadway Standard Drawings**

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

# DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

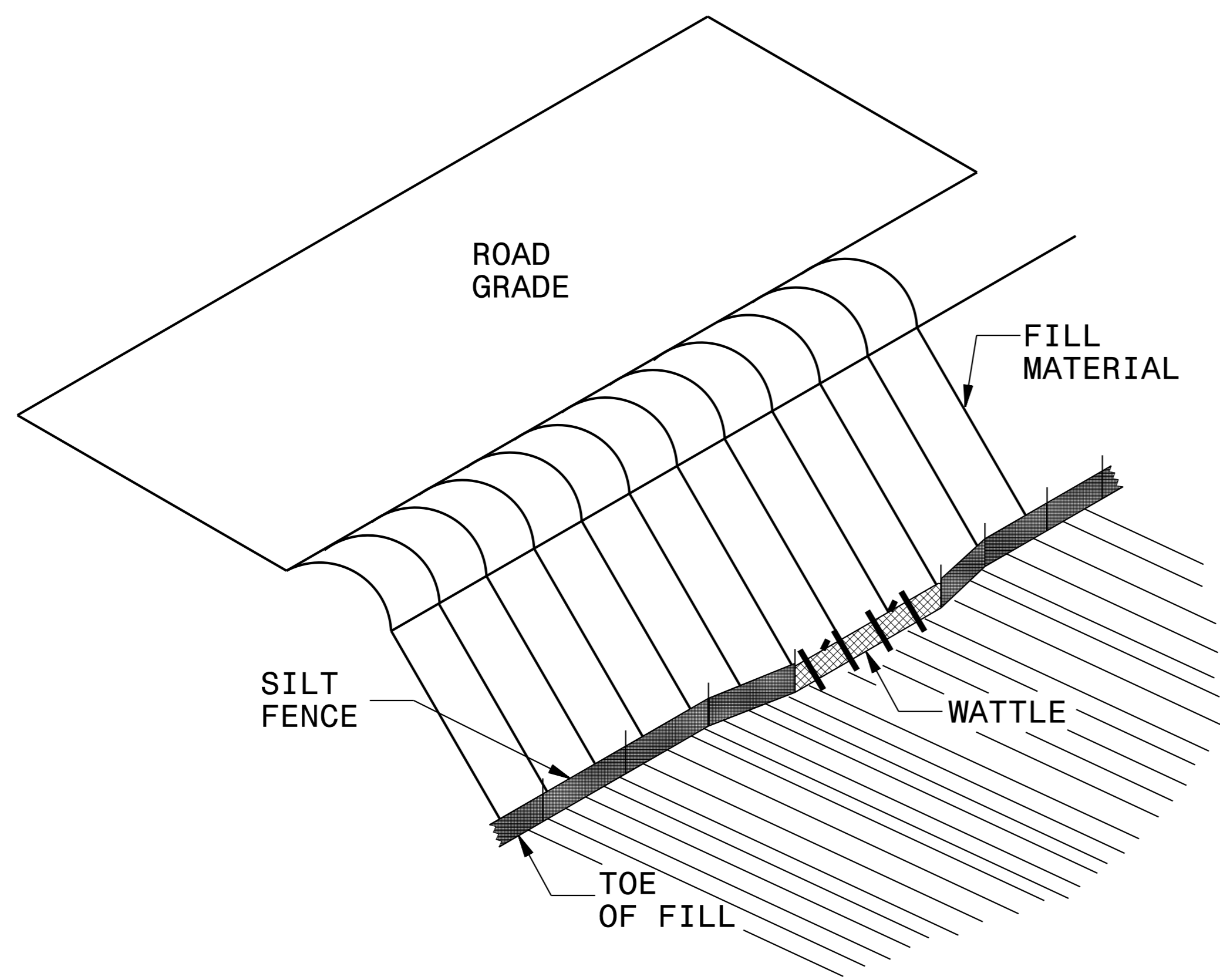
PROJECT REFERENCE NO. <b>R-5808</b>	SHEET NO. <b>EC-02</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

## EROSION & SEDIMENT CONTROL LEGEND

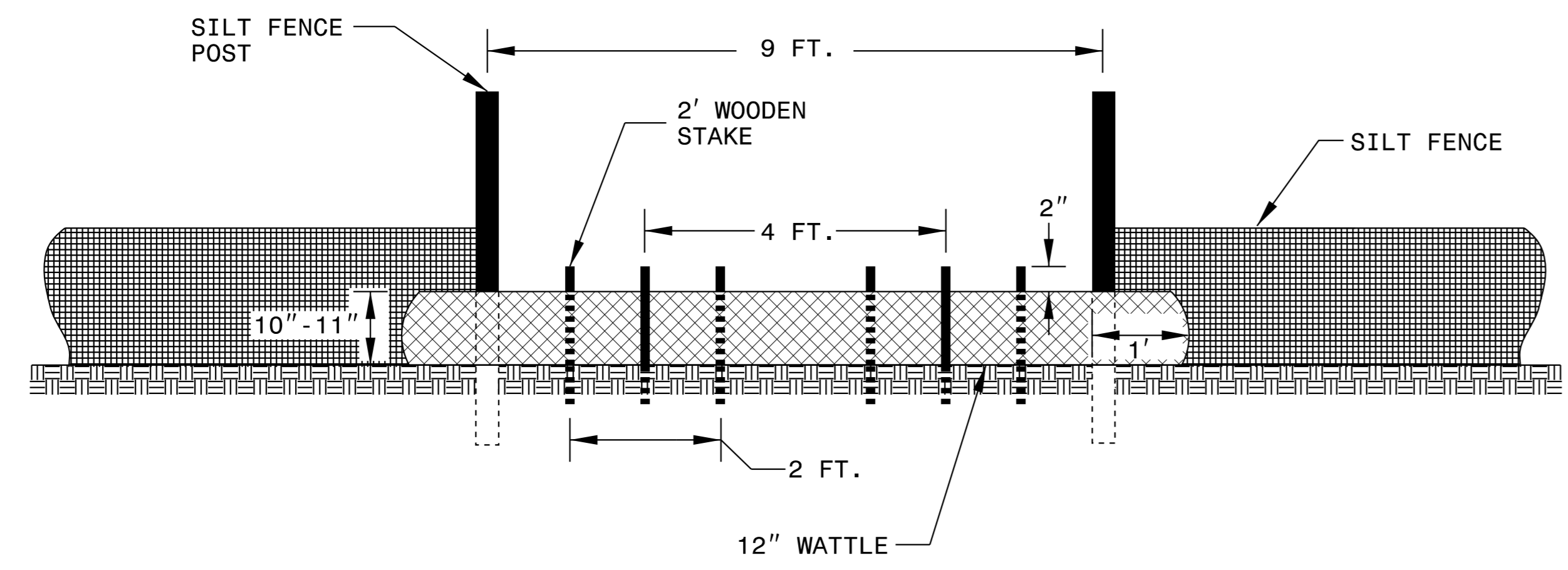
Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

# SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. <i>R-5808</i>	SHEET NO. <i>EC-2A</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



**ISOMETRIC VIEW**

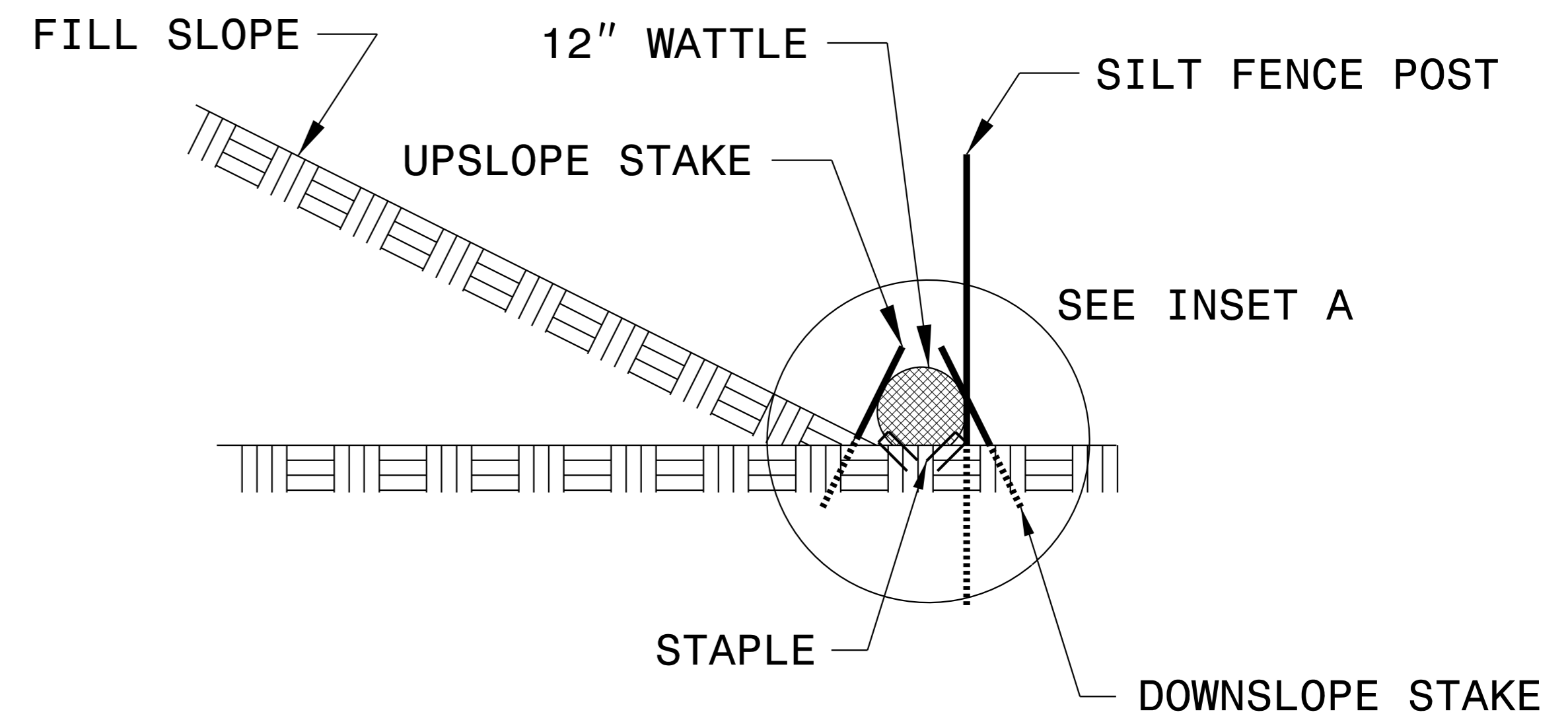
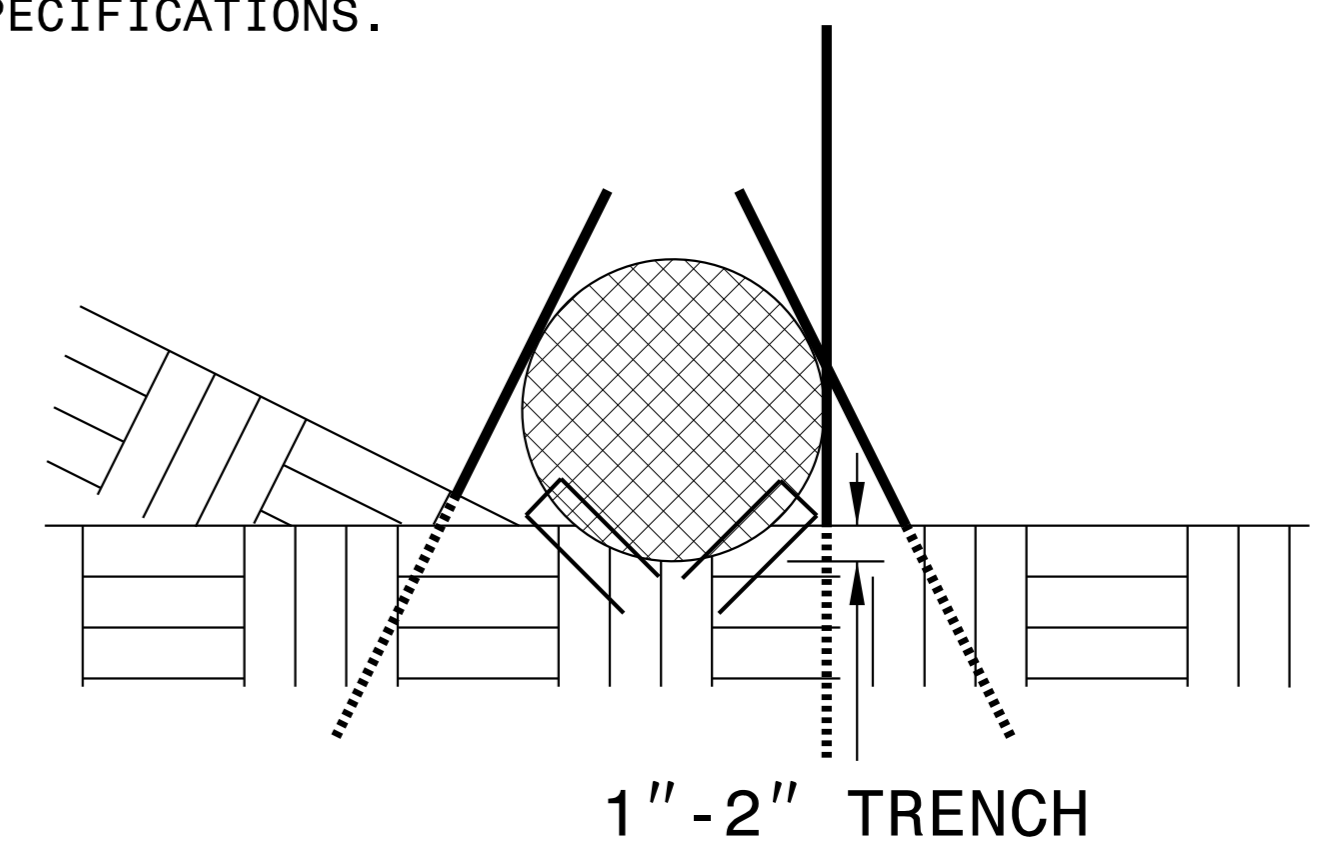


**VIEW FROM SLOPE**

**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**

# BORROW PIT DEWATERING BASIN DETAIL

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

## GENERAL NOTES:

DETERMINE BORROW PIT DEWATERING BASIN SIZE USING  $V = 8.0203 * Q * T$ , WHERE V IS VOLUME (FT<sup>3</sup>), Q IS PUMP FLOW RATE (GPM), AND T IS DEWATERING TIME (HR). USE MAXIMUM FLOW RATE OF 1000 GPM AND A MINIMUM DEWATERING TIME OF 2 HOURS.

RISER SHALL BE A NON-PERFORATED, SMOOTH OR CORRUGATED MATERIAL WITH A FLASHBOARD OPTION.

CONSTRUCT THE COIR FIBER BAFFLE IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1640.01 AND WITH MATERIAL THAT MEETS THE SPECIFICATIONS OF ROADWAY STANDARD 1640-14.

PROVIDE 5' STEEL POSTS OF THE SELF-FASTENER ANGLE STEEL TYPE. INSTALL STEEL POSTS WITH NO MORE THAN 3' OF THE POST APPEARING ABOVE THE GROUND.

ATTACH THE COIR FIBER MAT TO THE STEEL POSTS WITH WIRE OR OTHER ACCEPTABLE MEANS AND STAPLED INTO THE BOTTOM AND SIDE SLOPES OF THE BASIN WITH 12" STAPLES.

INSTALL TYPE 2 GEOTEXTILE ON SIDESLOPES AND BOTTOM OF BASIN AT INLET AS SHOWN IN THE DETAIL.

USE THE TYPICAL SECTION SHOWN FOR THE BORROW PIT DEWATERING BASIN AS A GUIDE. THE BASIN MAY HAVE ANY TYPE CONFIGURATION AS LONG AS SUFFICIENT VOLUME IS PROVIDED AND PROVISIONS ARE MADE FOR A NON-PERFORATED RISER.

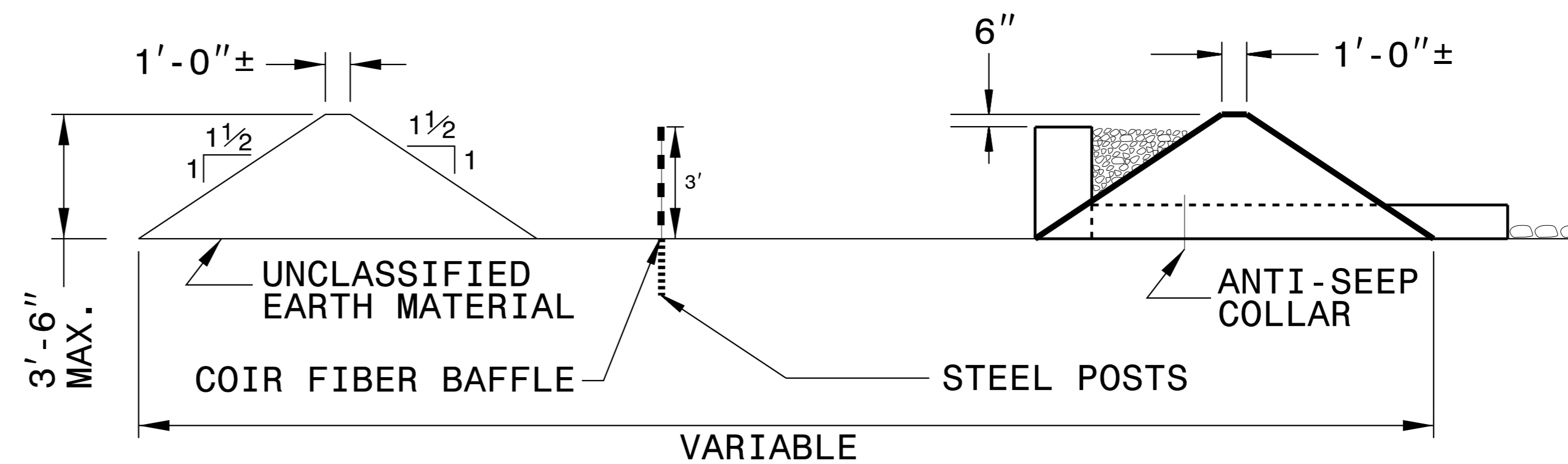
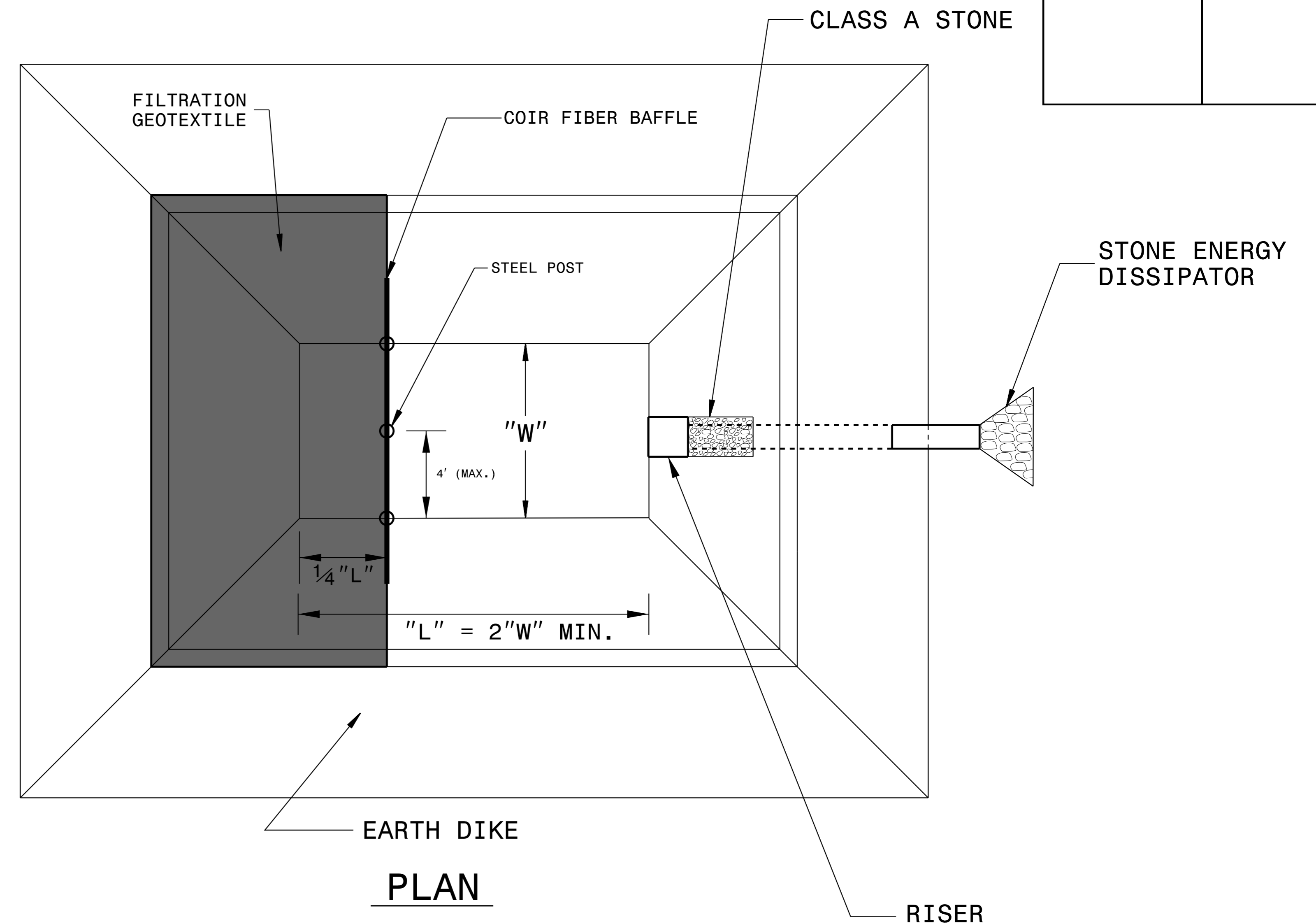
DO NOT EXCEED 3½ FT. IN HEIGHT FOR THE EARTH DIKES REQUIRED FOR BORROW PIT DEWATERING BASIN.

THE BORROW PIT DEWATERING BASIN SIZE IS VARIABLE AND DEPENDENT ON SPECIFIC SITE REQUIREMENTS AS WELL AS PROPOSED CONSTRUCTION OPERATIONS.

SUBMIT THE SIZE, LOCATION AND RISER PIPE MATERIAL FOR APPROVAL PRIOR TO CONSTRUCTION.

PUMP THE EFFLUENT INTO THE BORROW PIT DEWATERING BASIN TO A MAXIMUM DEPTH OF 6 IN. BELOW TOP OF EARTH DIKE.

PROVIDE A STONE ENERGY DISSIPATOR PAD AT THE OUTLET OF THE PUMP DISCHARGE HOSE AND OUTLET OF THE RISER BARREL IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 876.02 FOR OUTLET W/O DITCH.

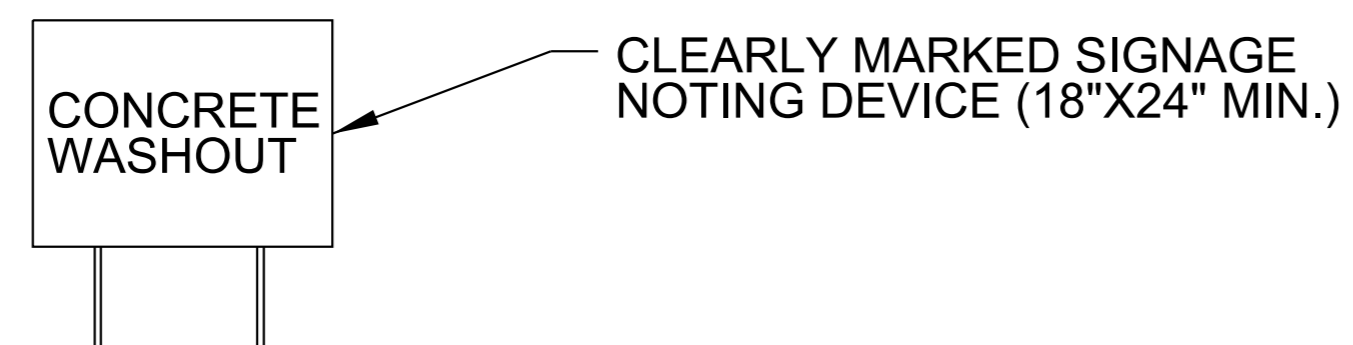
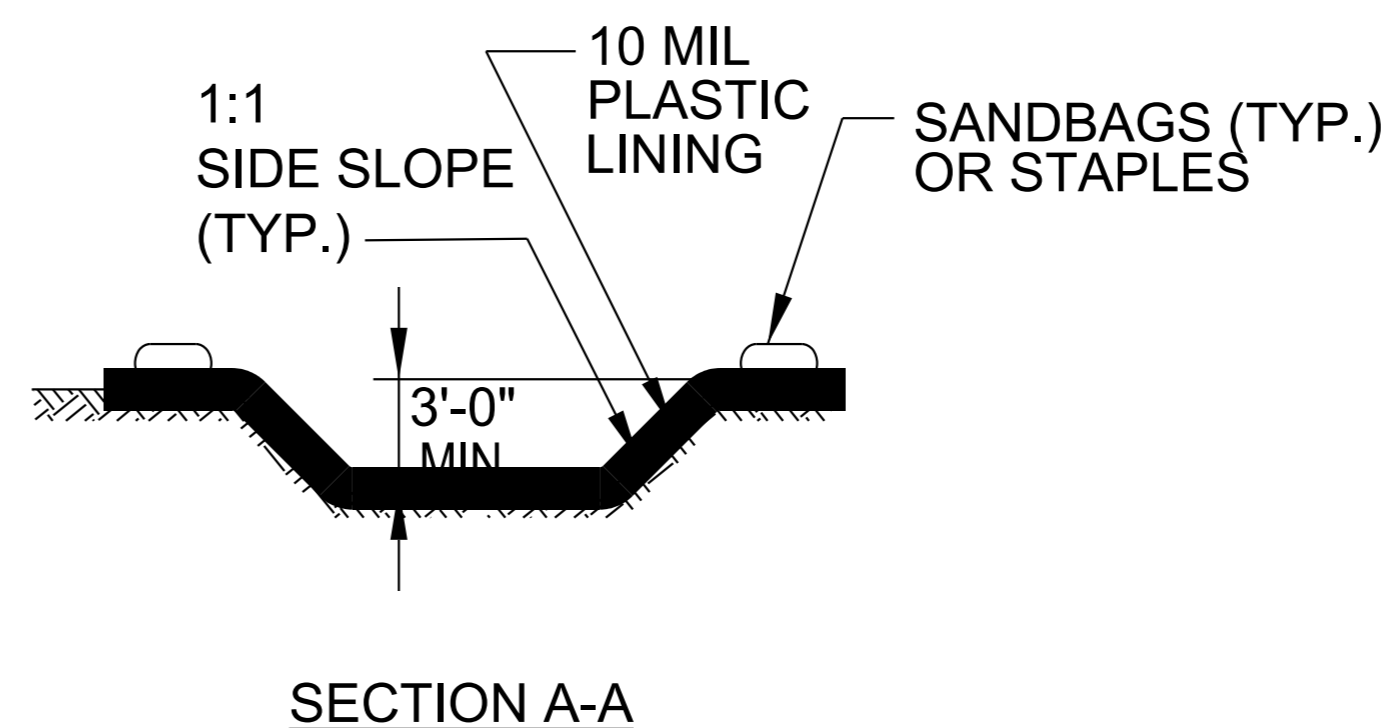
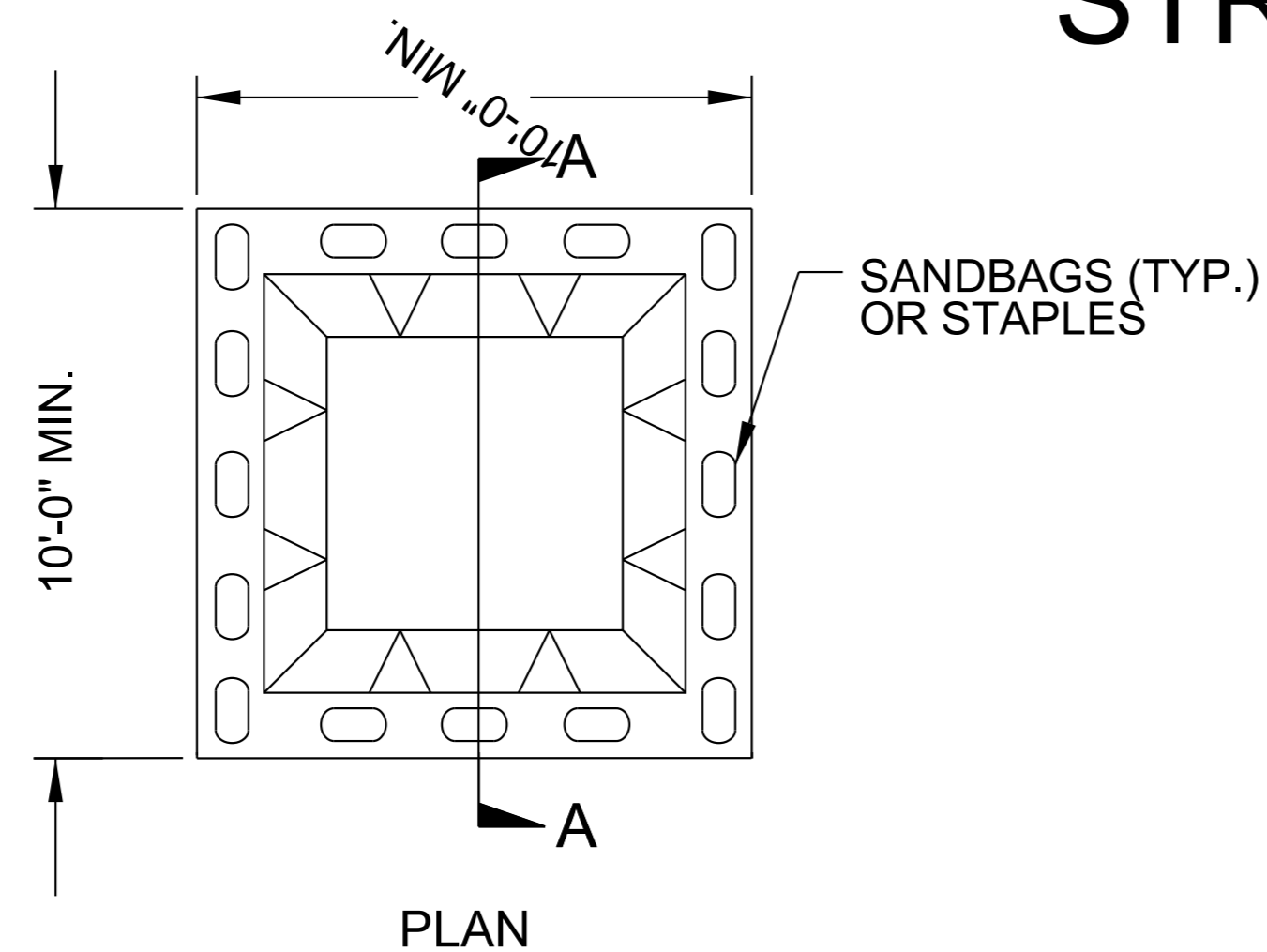


TYPICAL SECTION VIEW

NOT TO SCALE

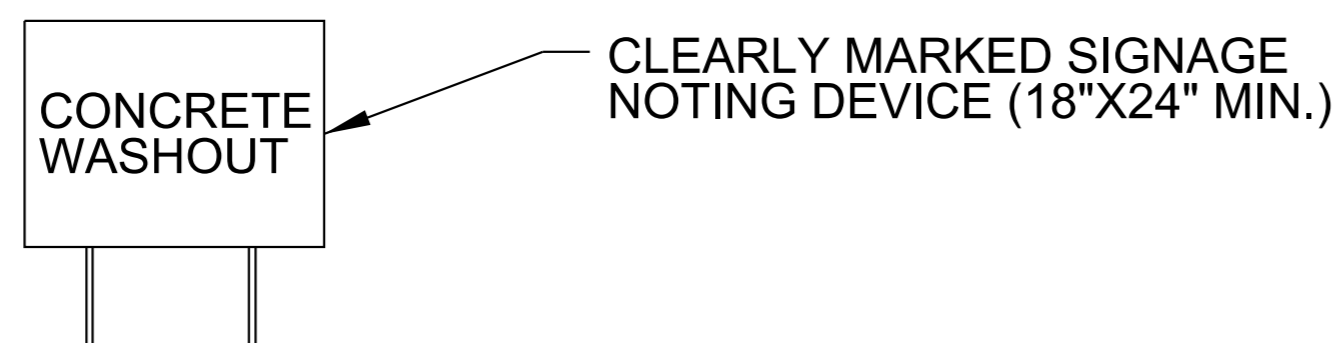
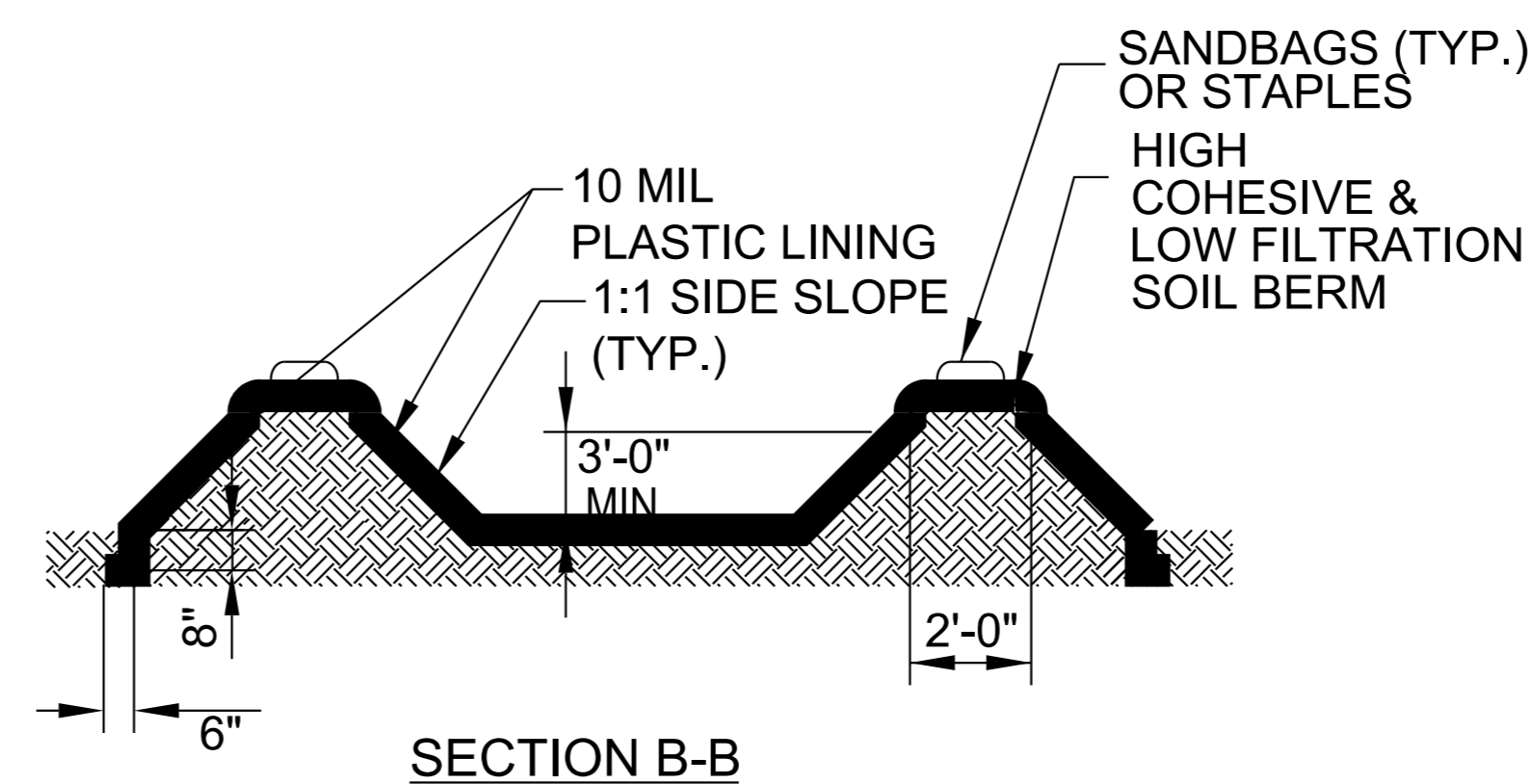
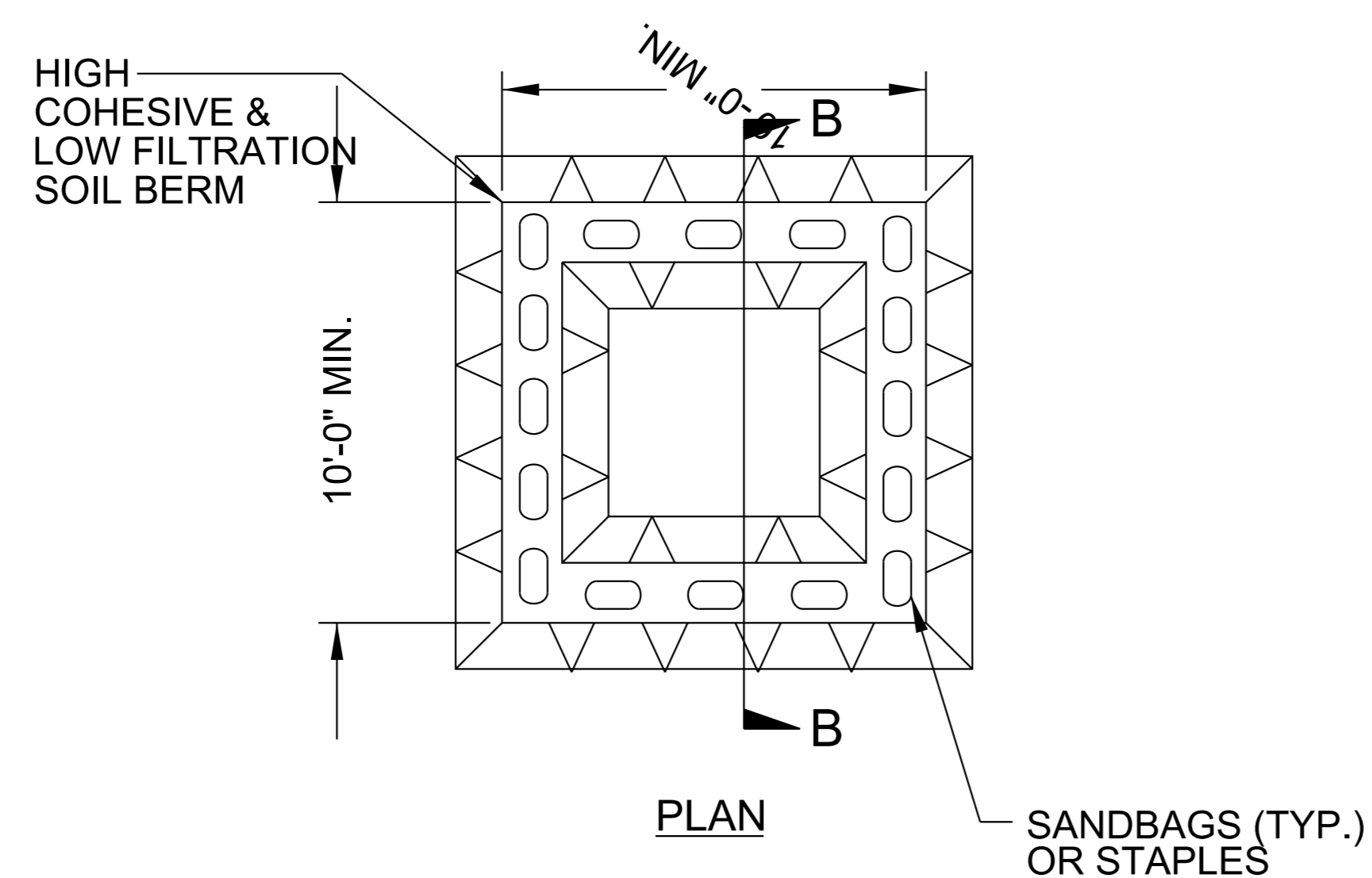
PROJECT REFERENCE NO. <i>R-5808</i>	SHEET NO. <i>EC-02C</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



**BELOW GRADE WASHOUT STRUCTURE**  
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



**ABOVE GRADE WASHOUT STRUCTURE**  
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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PROJECT REFERENCE NO. <i>R-5808</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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

5/14/99

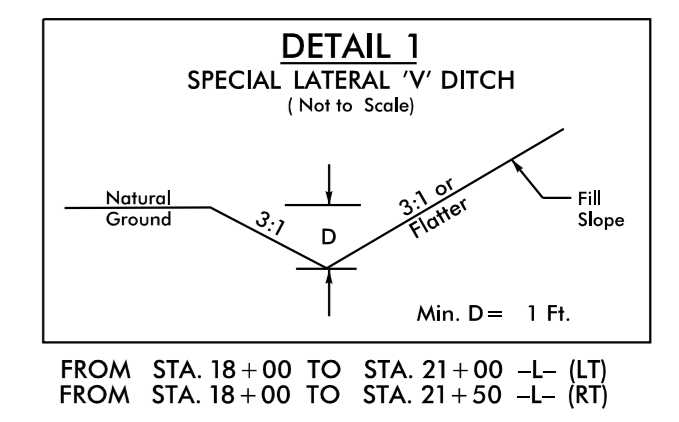
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 4

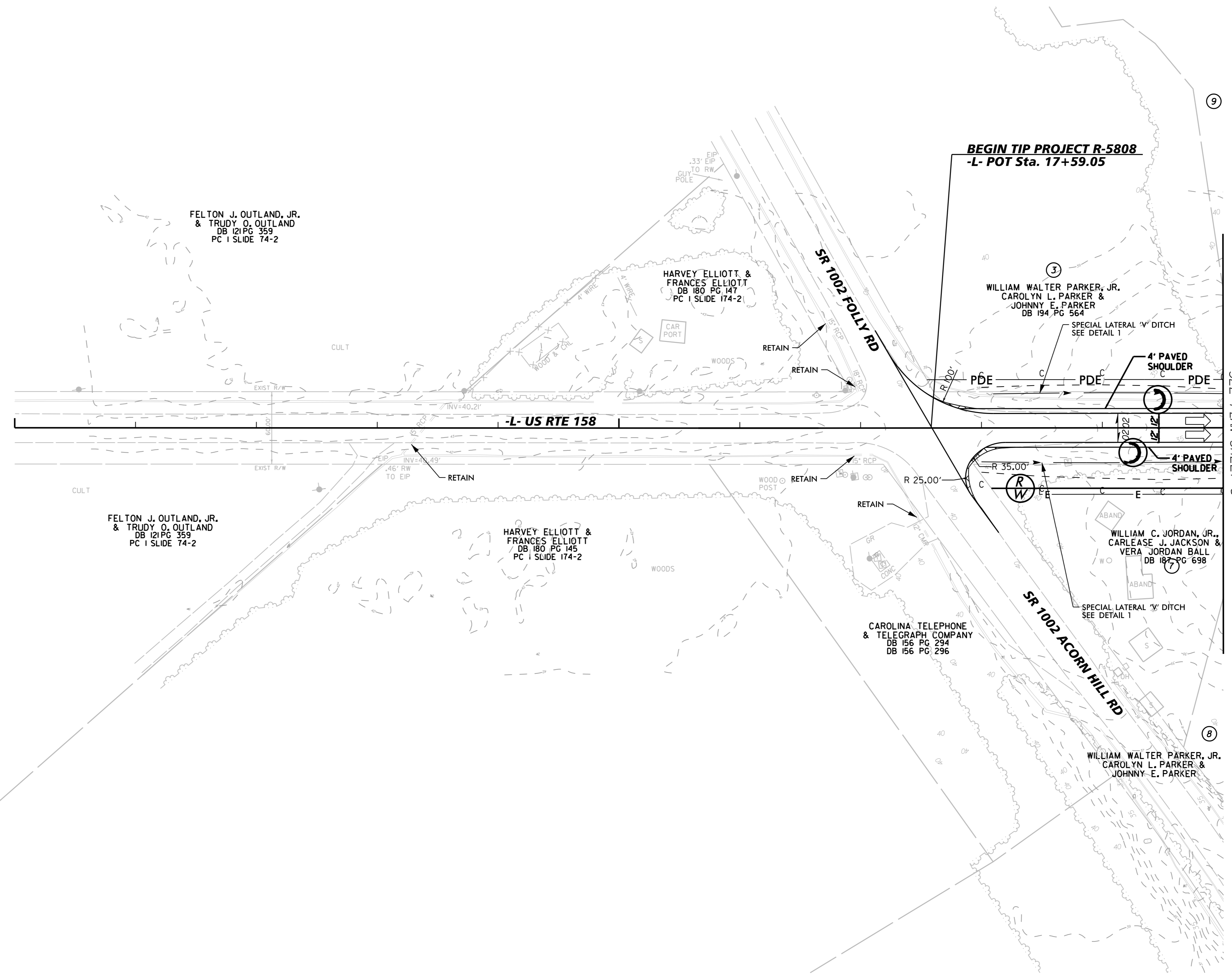
**Kimley Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-4/CONST.4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007



REVISIONS



MATCHLINE -L- STA 20+00.00  
SEE PLAN SHEET 5

5/26/2023

SEE SHEET NO. 23 FOR -L- PROFILE



5/14/99

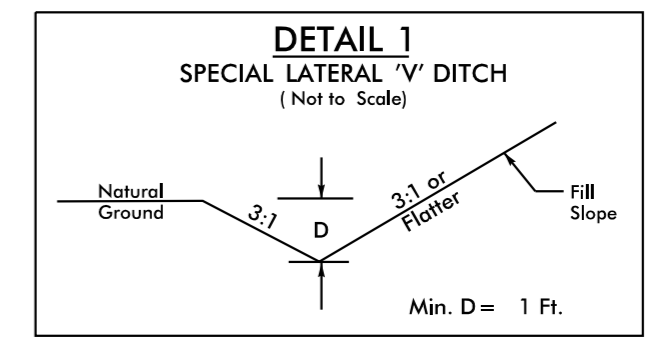
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5

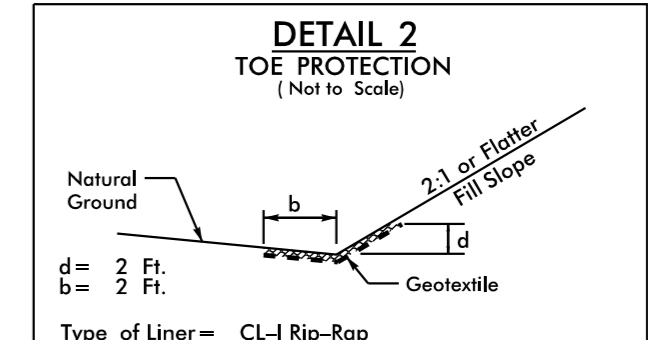
**Kimley Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-5/CONST.5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING  
BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

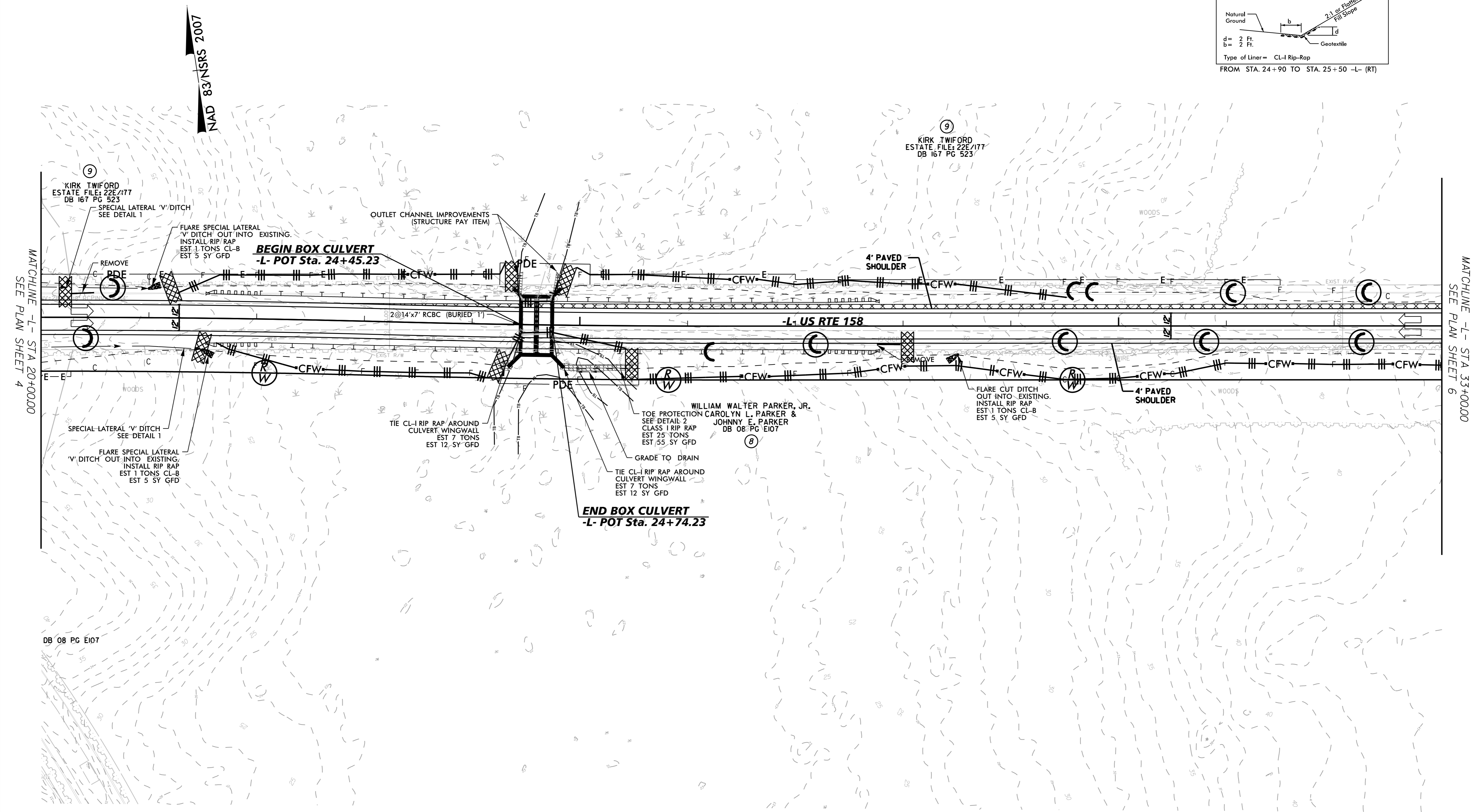


FROM STA. 18+00 TO STA. 21+00 -L- (LT)  
FROM STA. 18+00 TO STA. 21+50 -L- (RT)



FROM STA. 24+90 TO STA. 25+50 -L- (RT)

REVISIONS



5/26/2023

SEE SHEET NO. 23 FOR -L- PROFILE

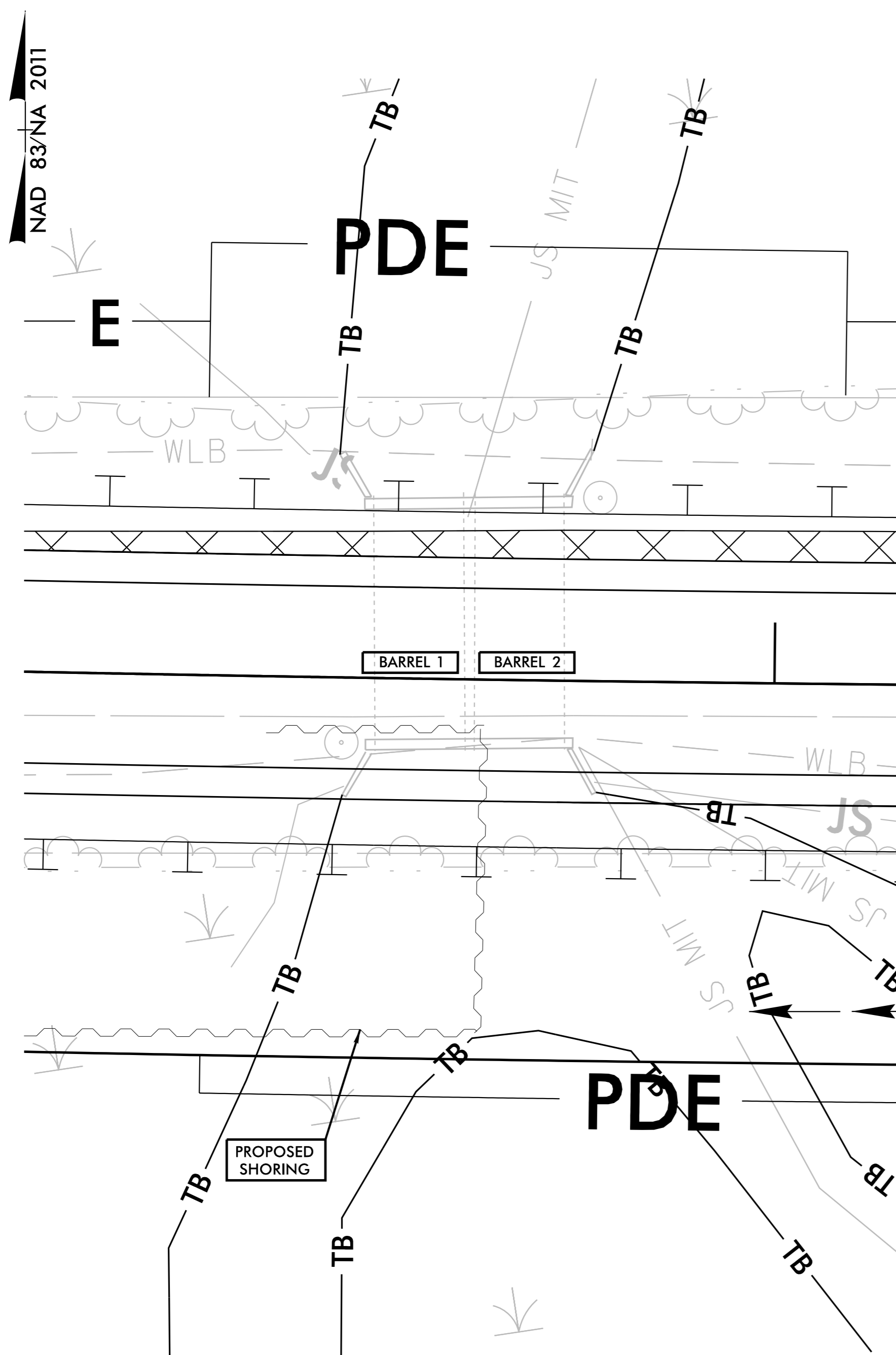
5/14/99

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-5A/CONST.5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CULVERT CONSTRUCTION SEQUENCE STA. 24 + 60-L-

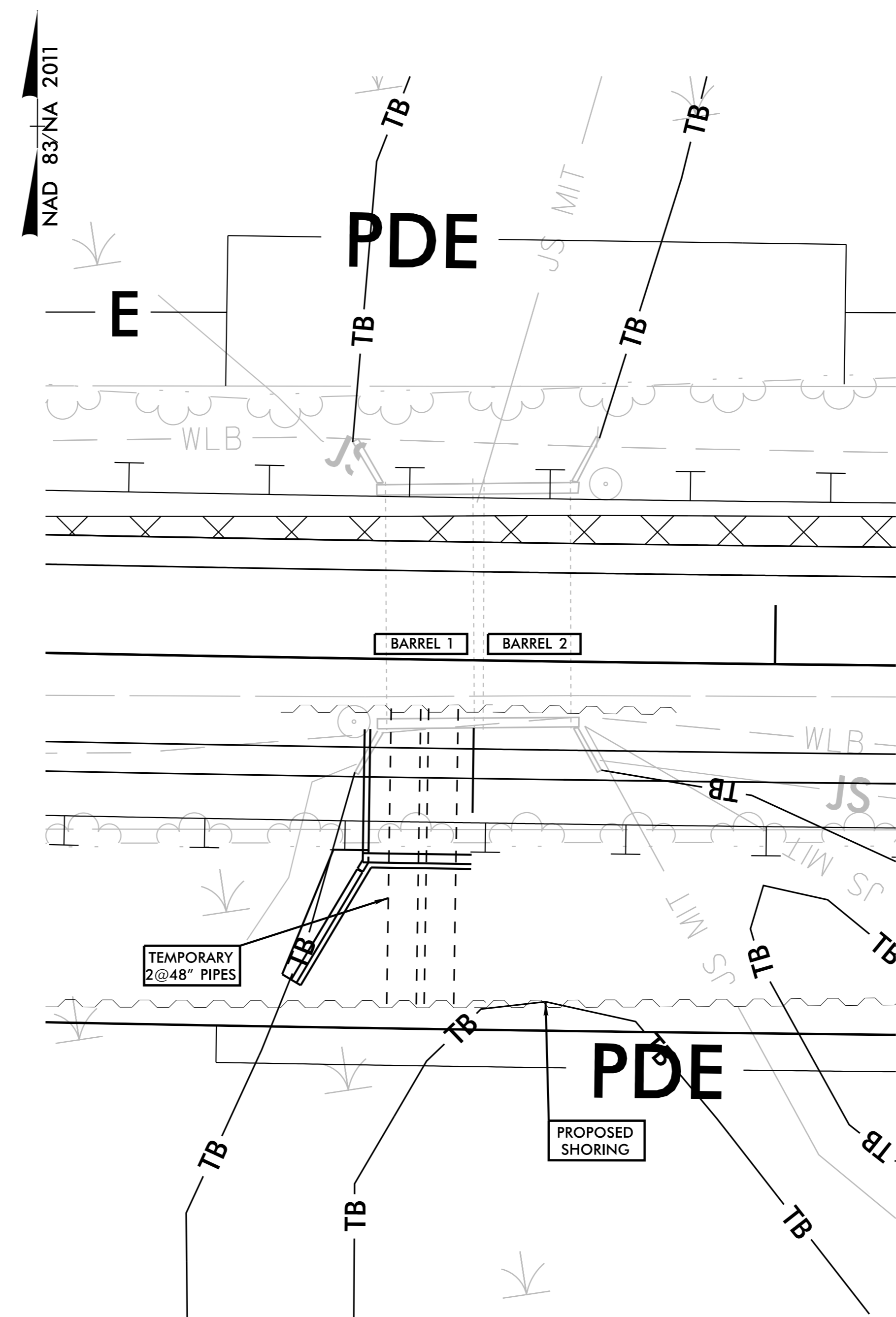
## PHASE I

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT PROPOSED SHORING AS SHOWN ON PLANS, DIVERTING JS INTO EXISTING BARREL 2.
- 3.) CONSTRUCT THE SOUTH HALF OF PROPOSED BARREL 1 OF 2@14'x7' RCBC CULVERT. TIE TO EXISTING BARREL 1.
- 4.) INSTALL 2@48" TEMPORARY PIPE IN BARREL 1 FOR FUTURE PHASES.
- 5.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



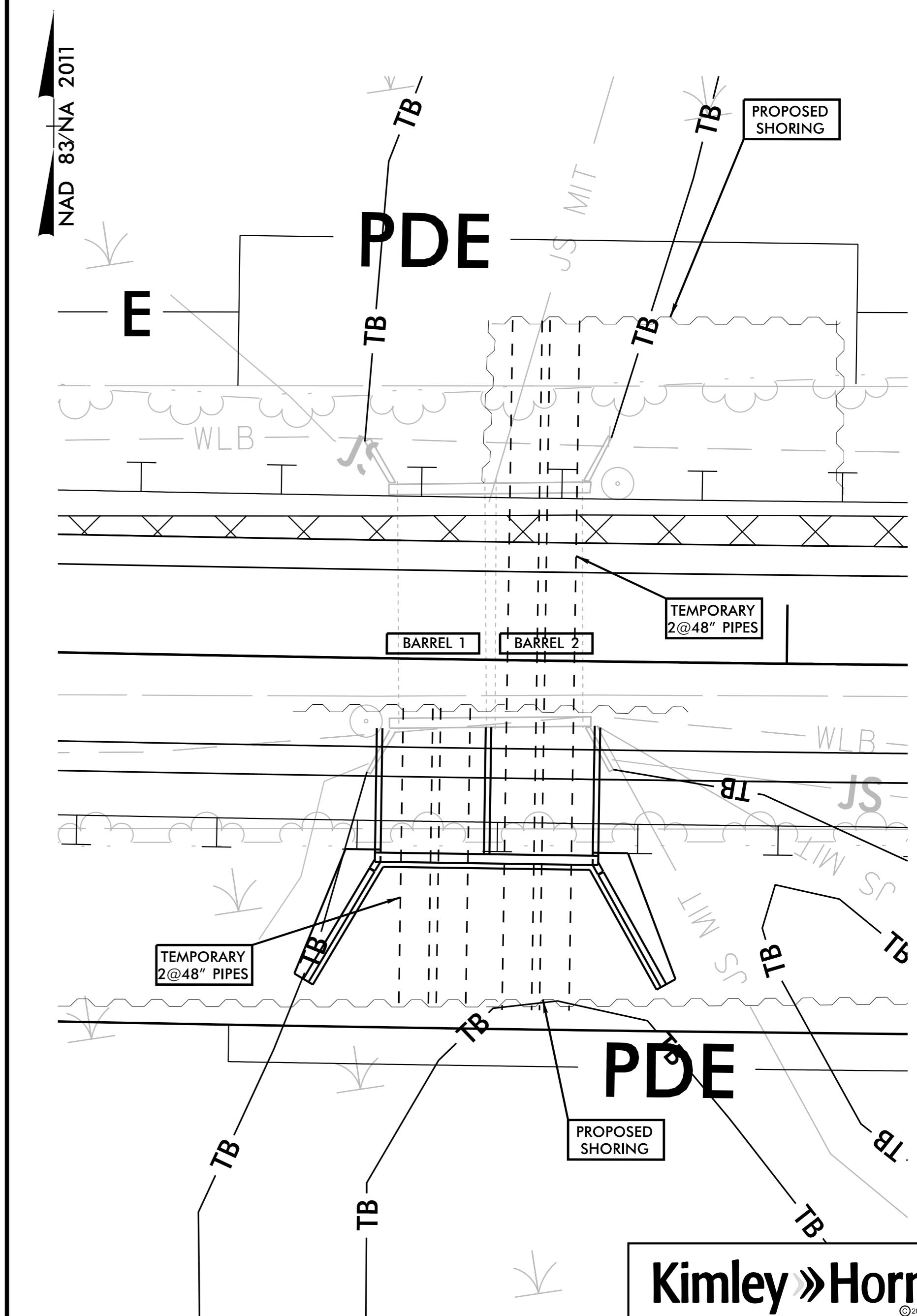
## PHASE II

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT PROPOSED SHORING AS SHOWN ON PLANS, DIVERTING JS INTO 2@48" TEMPORARY PIPES IN BARREL 1
- 3.) CONSTRUCT THE SOUTH HALF OF PROPOSED BARREL 2 OF 2@14'x7' RCBC CULVERT. TIE TO EXISTING BARREL 2.
- 4.) INSTALL 2@48" TEMPORARY PIPE IN BARREL 2 FOR FUTURE PHASES.
- 5.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



## PHASE III

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT PROPOSED SHORING AS SHOWN ON PLANS AND EXTEND 2@48" TEMPORARY PIPES IN BARREL 2, DIVERTING JS INTO 4@48" TEMPORARY PIPES IN BARRELS 1 AND 2.
- 3.) CONSTRUCT THE NORTH HALF OF PROPOSED BARREL 2 OF 2@14'x7' RCBC CULVERT. TIE TO SOUTH HALF OF BARREL 2.
- 4.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



3/19/2024

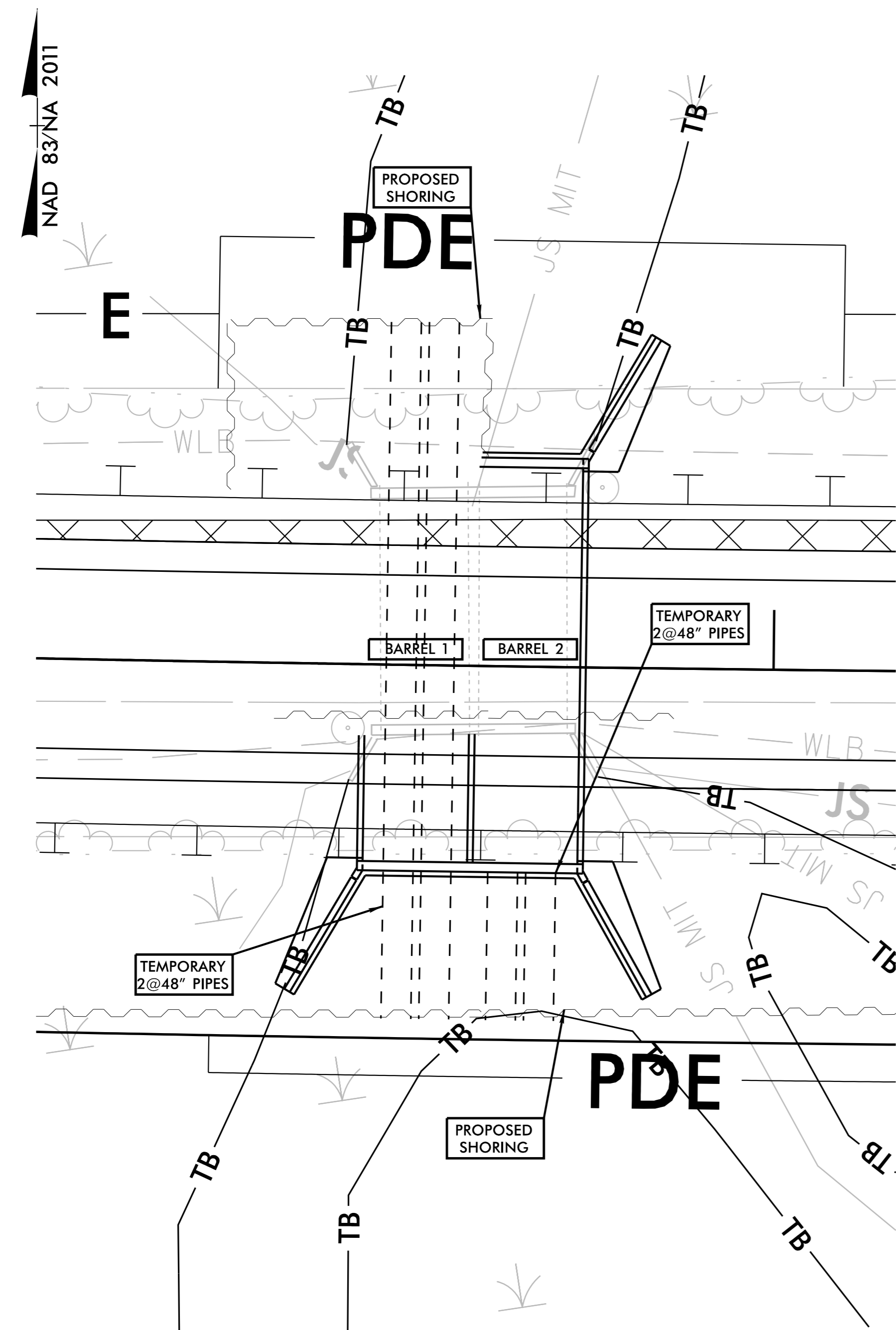
5/14/99

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-5B/CONST.5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CULVERT CONSTRUCTION SEQUENCE STA. 24 + 60-L-

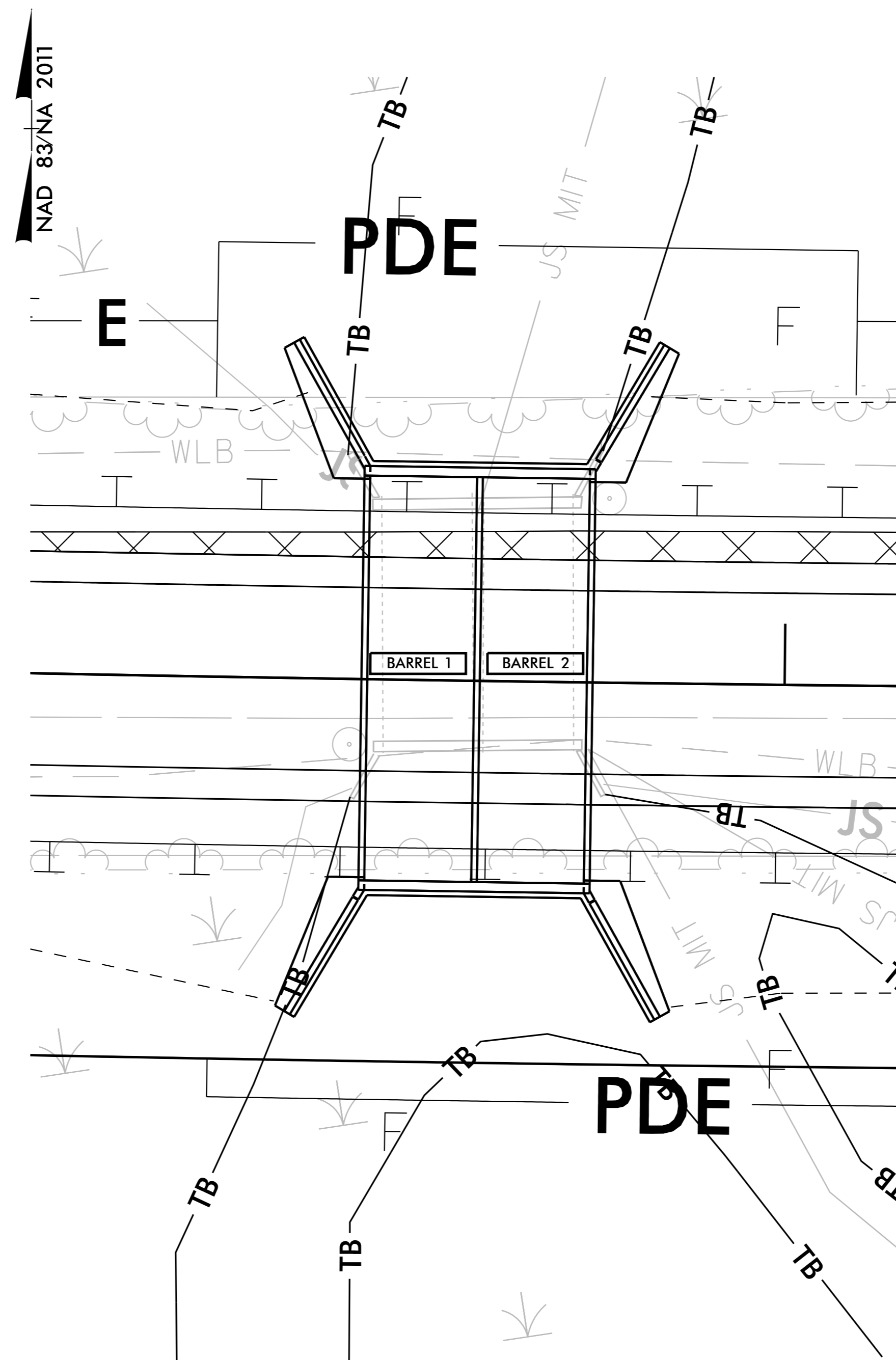
## PHASE IV

- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT PROPOSED SHORING AS SHOWN ON PLANS AND EXTEND 2@48" TEMPORARY PIPES IN BARREL 1 DIVERTING JS INTO 4@48" TEMPORARY PIPES IN BARRELS 1 AND 2.
- 3.) CONSTRUCT THE NORTH HALF OF PROPOSED BARREL 1 OF 2@14'x7' RCBC CULVERT. TIE TO SOUTH HALF OF BARREL 1.
- 4.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



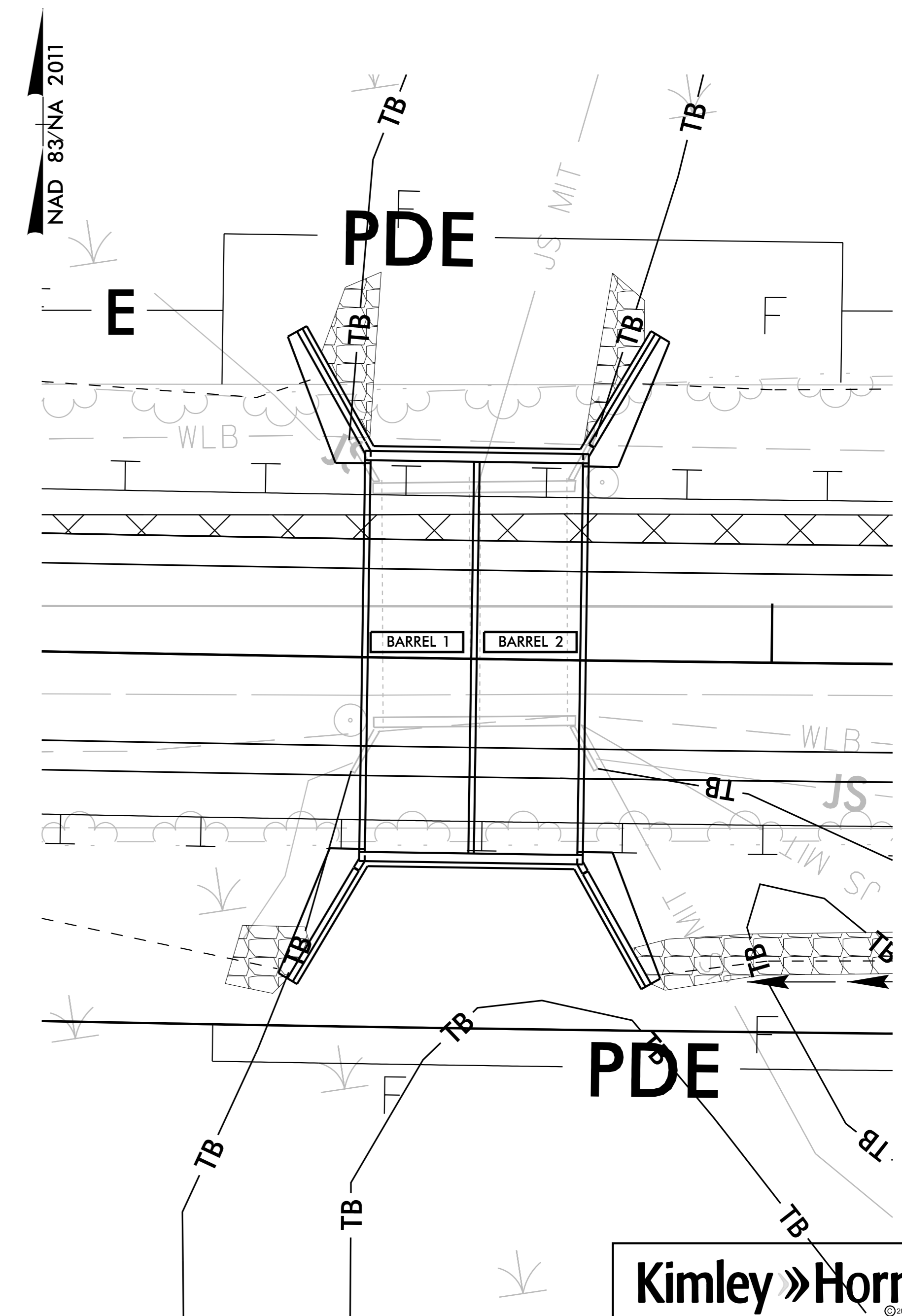
## PHASE V

- 1.) COMPLETE WESTBOUND ROADWAY IMPROVEMENTS, AND MOVE TRAFFIC OVER AFTER COMPLETION.
- 2.) REMOVE SPECIAL STILLING BASIN(S) AND PROPOSED SHORING.
- 3.) CONSTRUCT UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS IN THE DRY.
- 4.) REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



## PHASE VI

- 1.) STABILIZE DISTURBED AREA AND REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES AS DIRECTED BY ENGINEER.
- 2.) FINISH ROADWAY AND DRAINAGE CONSTRUCTION. REFERENCE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.



3/19/2024

5/14/99

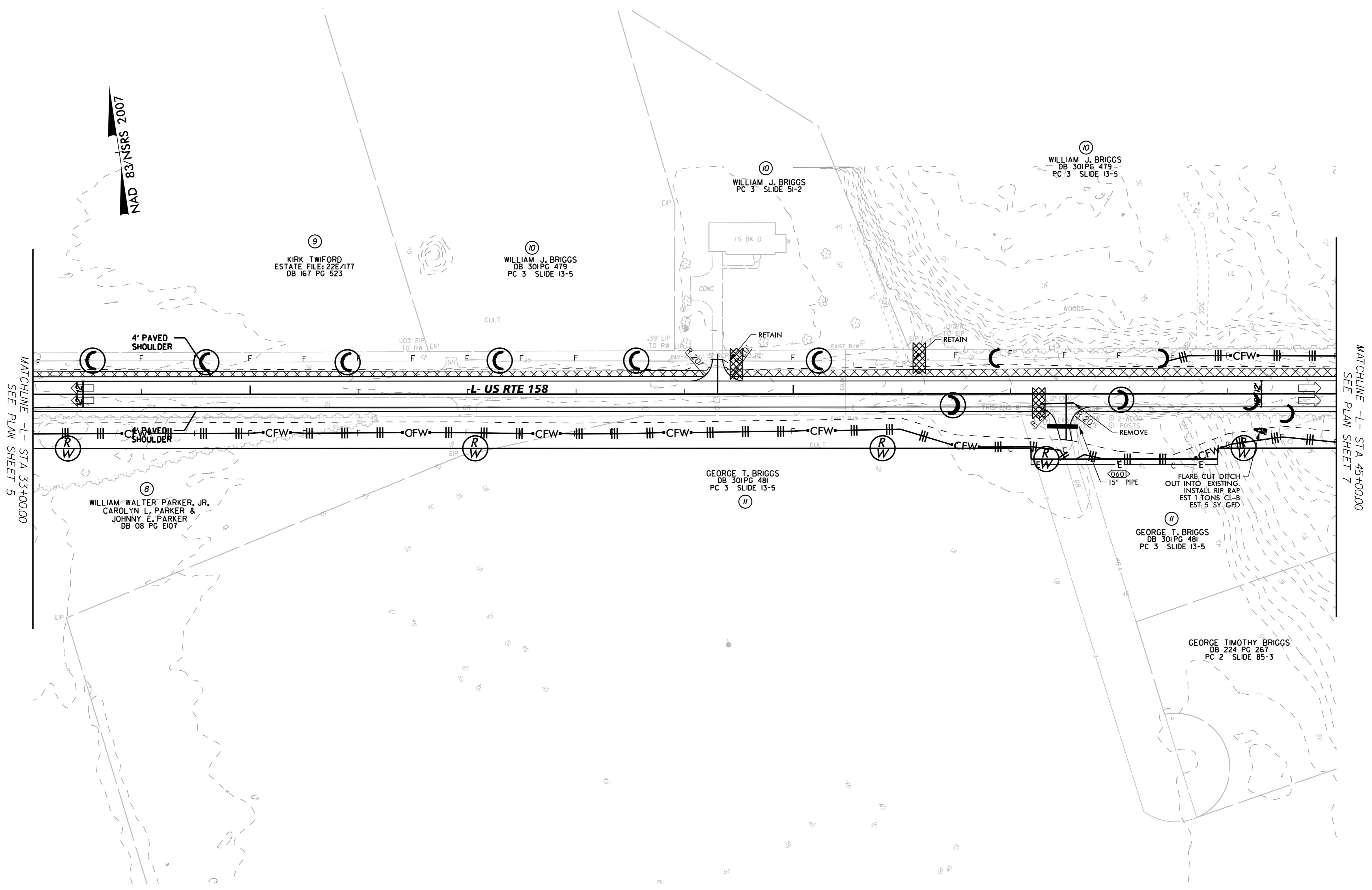
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 6

PROJECT REFERENCE NO. R-5808		SHEET NO. EC-6/CONST. 6
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

REVISIONS



5/26/2023

SEE SHEET NO. 23 FOR -L- PROFILE

5/14/99

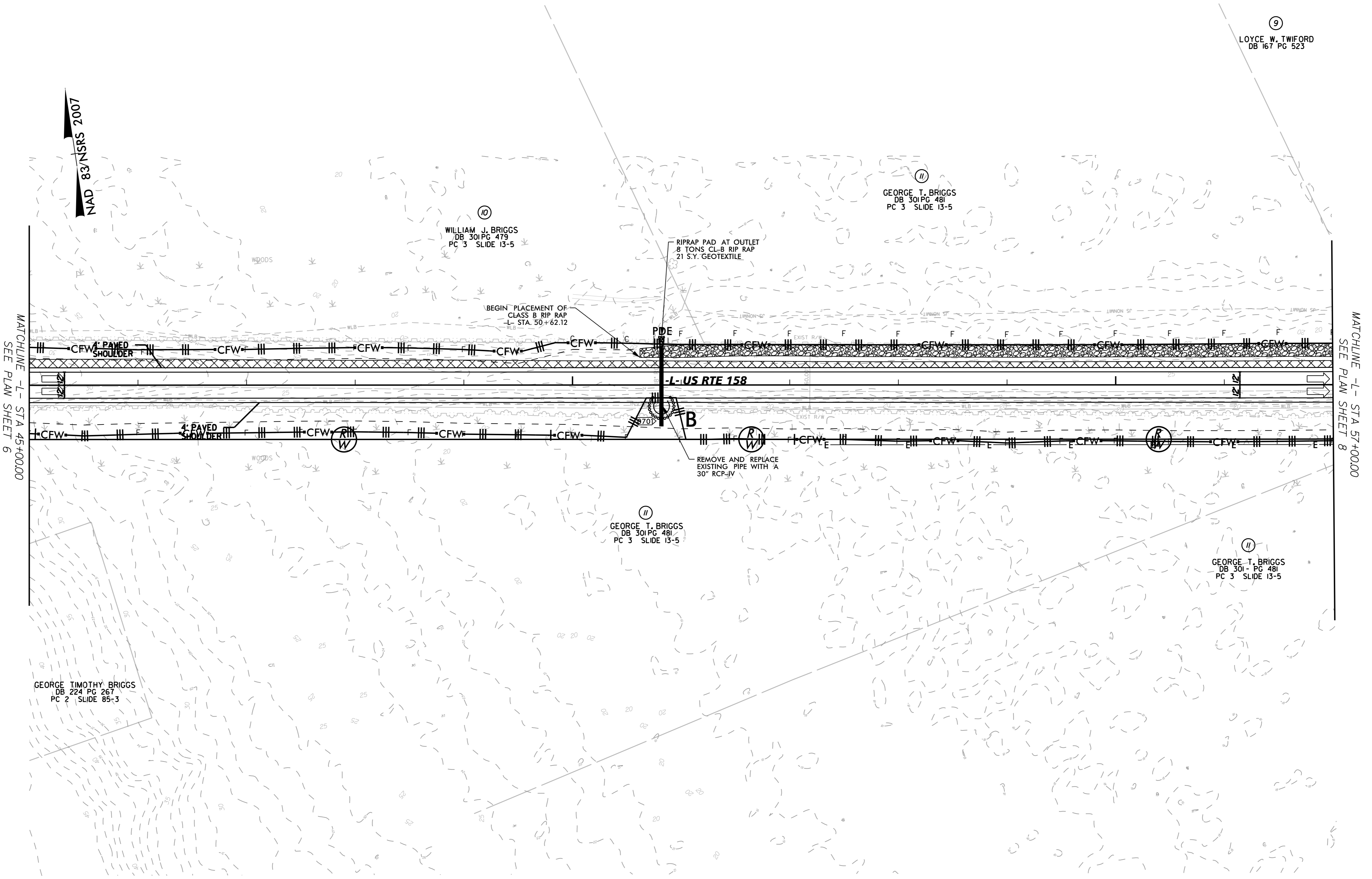
NOTE:  
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AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 4

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-7/CONST.7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



5/26/2023

SEE SHEET NO. 23 AND 24 FOR -L- PROFILE

5/14/99

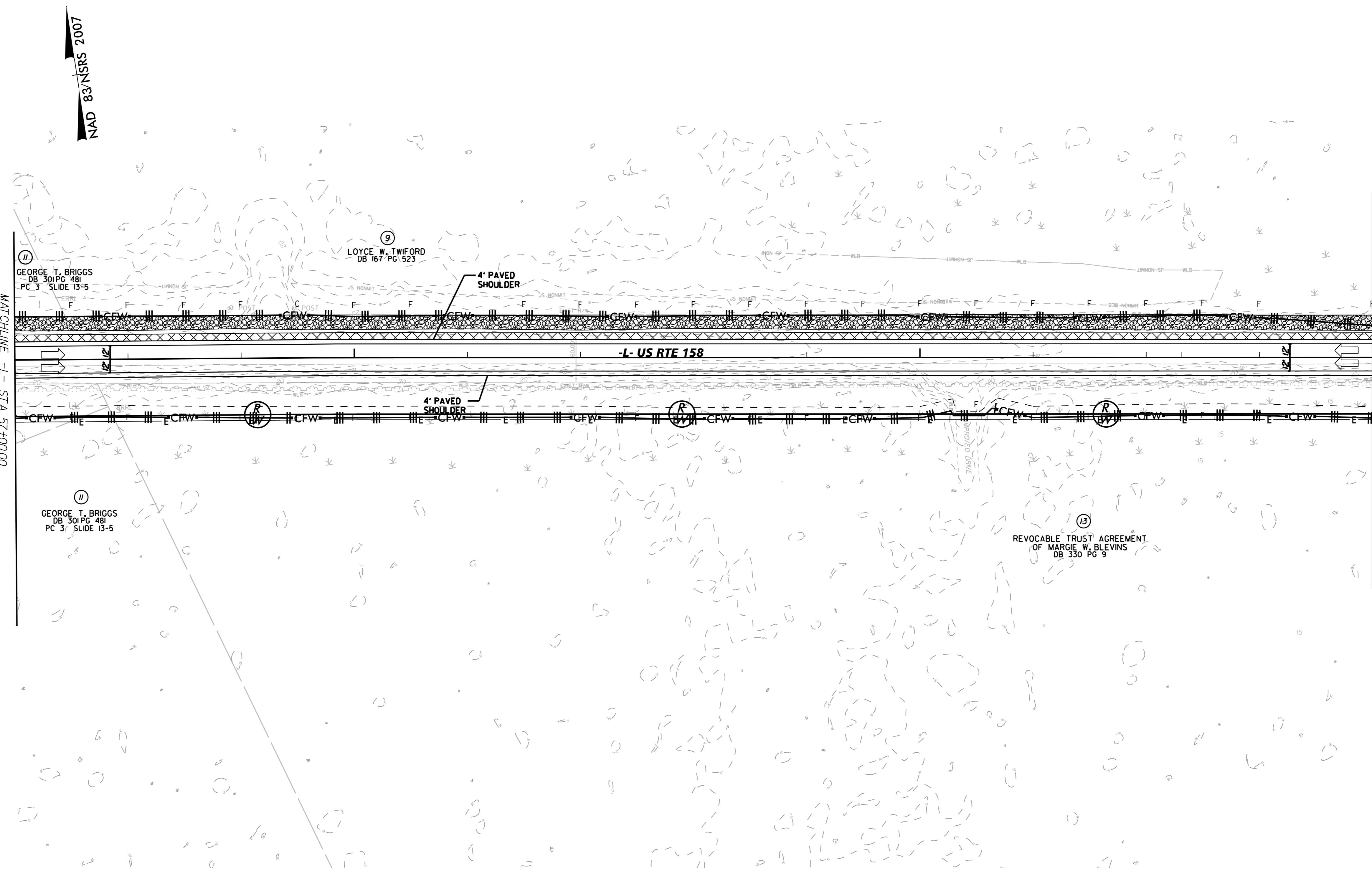
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 8

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO.	SHEET NO.
R-5808	EC-8/CONST. 8
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



MATCHLINE -L- STA 57+00.00  
SEE PLAN SHEET 7

MATCHLINE -L- STA 69+00.00  
SEE PLAN SHEET 9

5/26/2023

SEE SHEET NO. 24 FOR -L- PROFILE

5/14/99

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 9

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

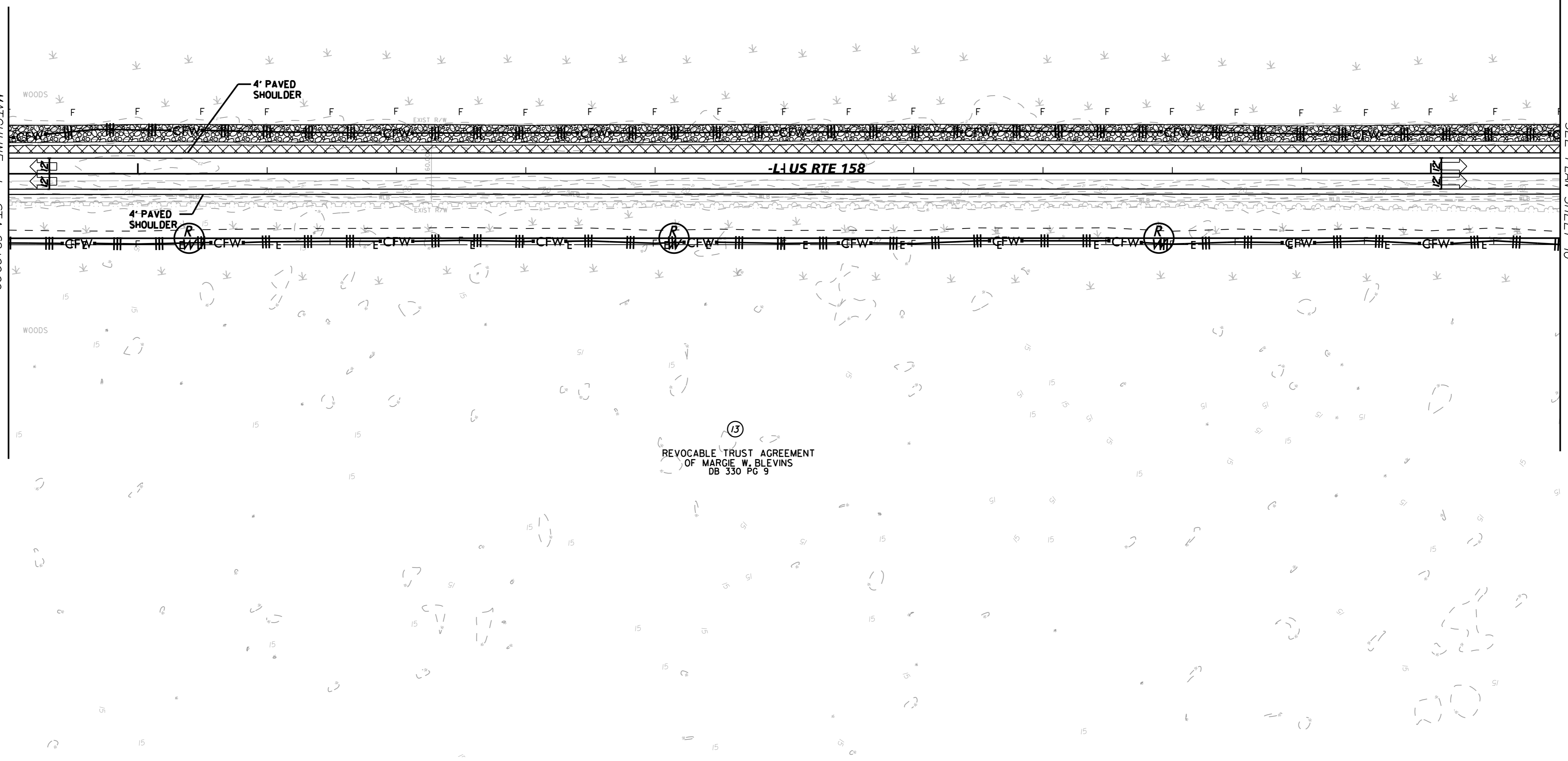
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R-5808	EC-9/CONST.9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

NAD 83/NSRS 2007

9  
LOYCE W. TWIFORD  
DB 167 PG 523

MATCHLINE -L- STA 69+00.00  
SEE PLAN SHEET 8



MATCHLINE -L- STA 81+00.00  
SEE PLAN SHEET 10

13  
REVOCABLE TRUST AGREEMENT  
OF MARGIE W. BLEVINS  
DB 330 PG 9

5/26/2023

SEE SHEET NO. 24 AND 25 FOR -L- PROFILE

5/14/99

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

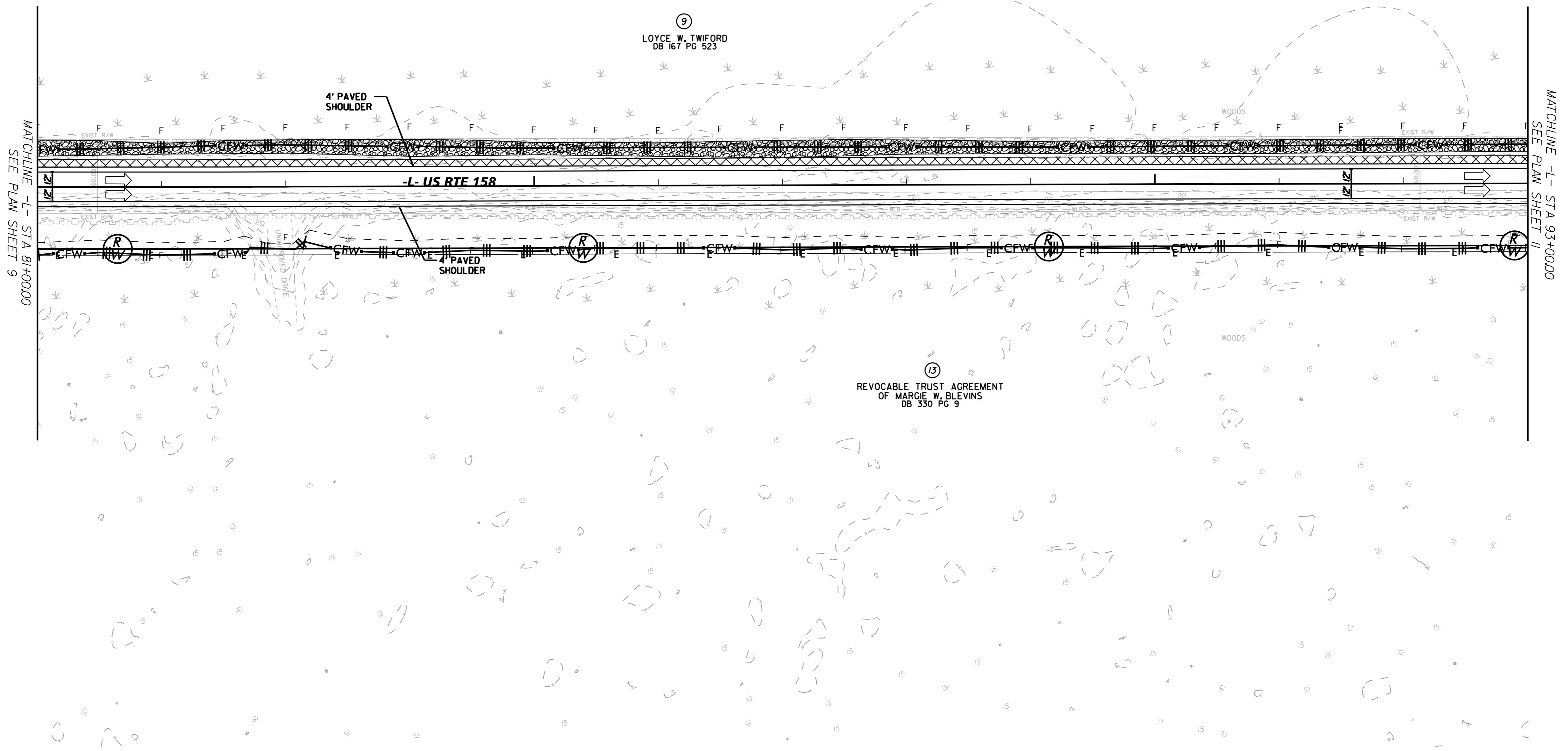
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 10

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-10/CONST.10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

NAD 83/NSRS 2007



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SEE SHEET NO. 25 FOR -L- PROFILE



5/14/99

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 11

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-11/CONST.11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

NAD 83/NSRS 2007

MATCHLINE -L- STA 93+00.00  
SEE PLAN SHEET 10

MATCHLINE -L- STA 105+00.00  
SEE PLAN SHEET 12

9  
LOYCE W. TWIFORD  
DB 167 PG 523

4' PAVED  
SHOULDER

-L- US RTE 158

4' PAVED  
SHOULDER

13  
REVOCABLE TRUST AGREEMENT  
OF MARGIE W. BLEVINS  
DB 330 PG 9

ABAND

5/26/2023

SEE SHEET NO. 25 AND 26 FOR -L- PROFILE

5/14/99

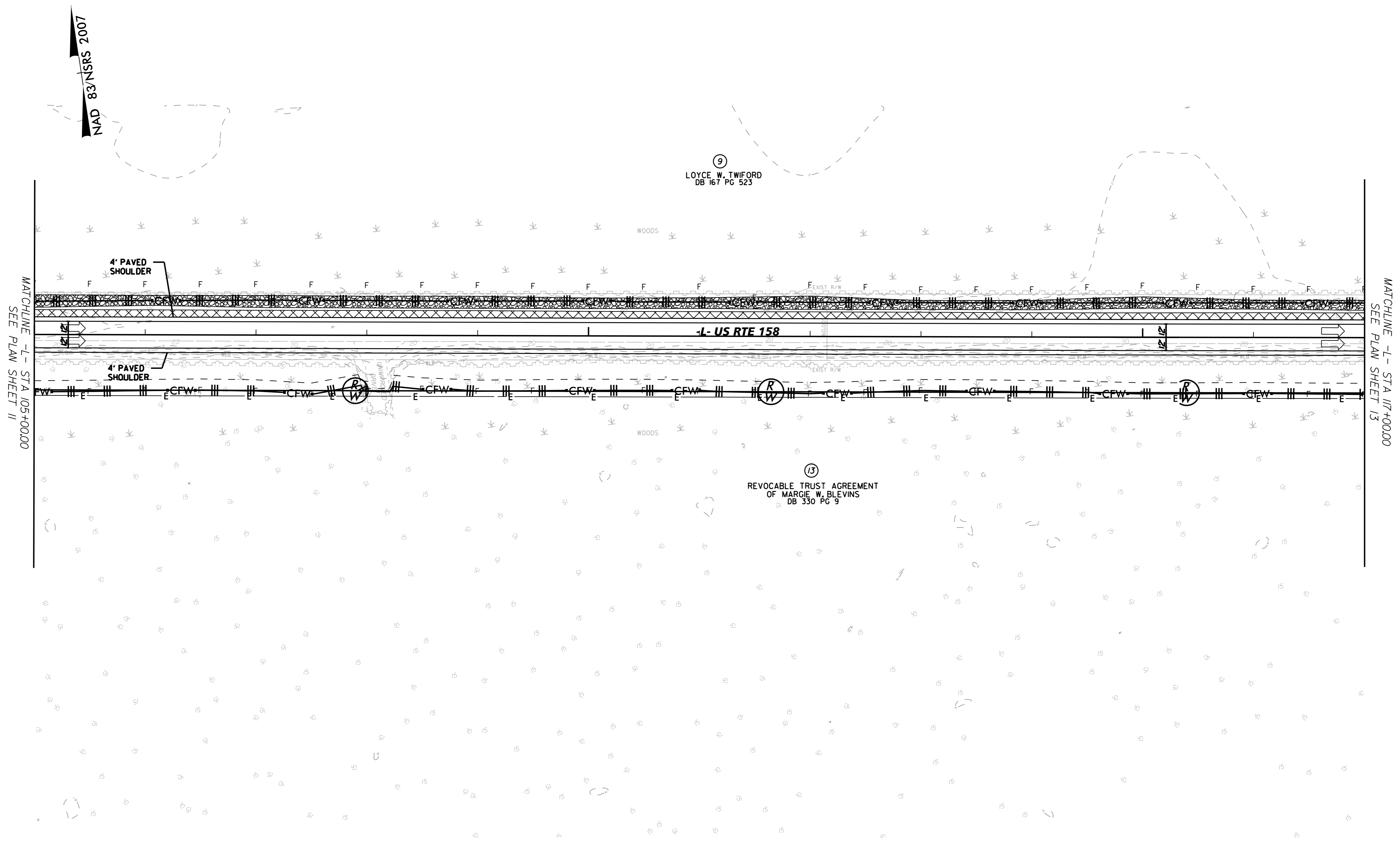
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 12

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-12/CONST.12
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



5/26/2023

SEE SHEET NO. 26 FOR -L- PROFILE

5/14/99

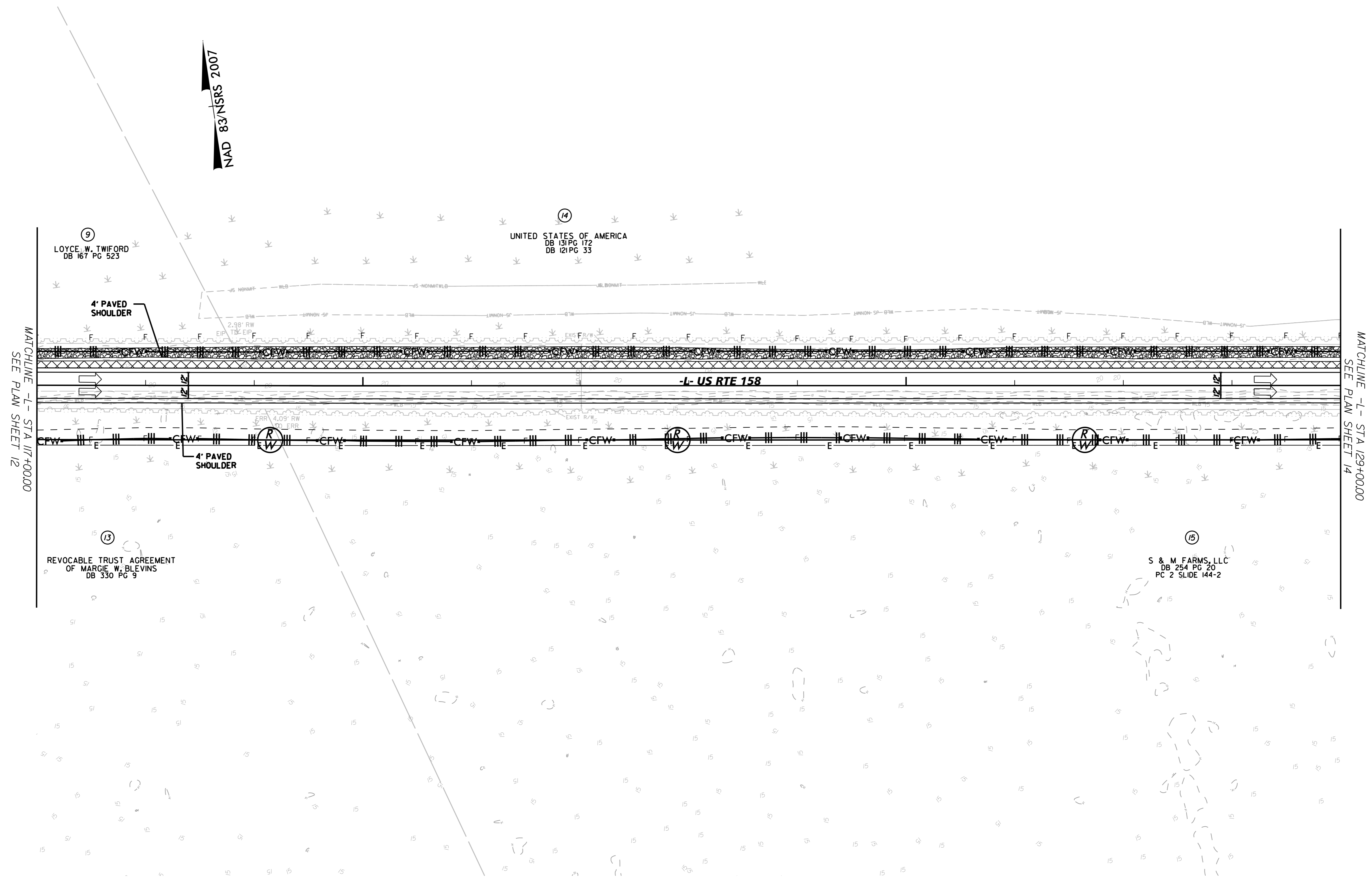
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 13

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-13/CONST.13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



5/26/2023

SEE SHEET NO. 26 AND 27 FOR -L- PROFILE

5/14/99

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 14

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-14/CONST.14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

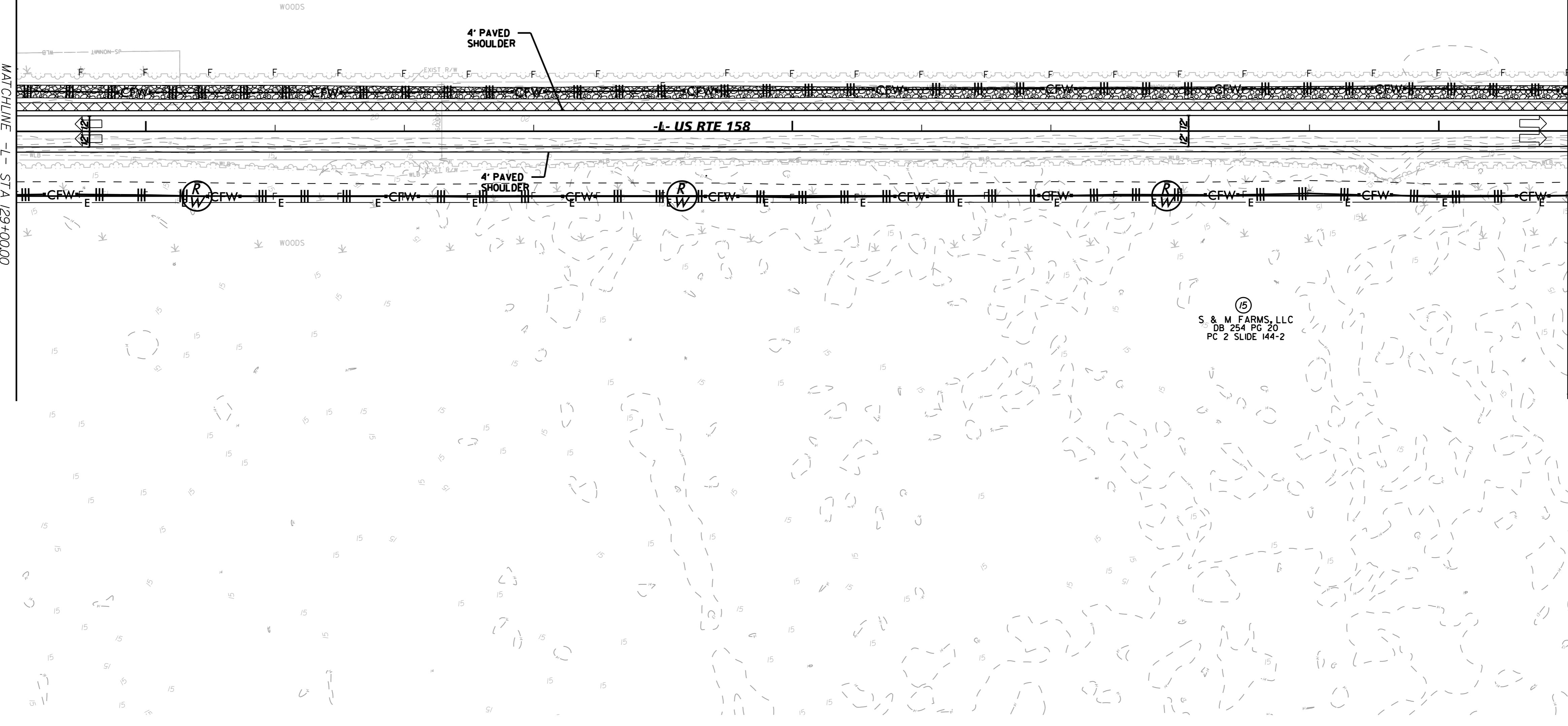
REVISIONS

NAD 83/NSRS 2007

14  
UNITED STATES OF AMERICA  
DB 131PG 172  
DB 121PG 33

MATCHLINE -L- STA 129+00.00  
SEE PLAN SHEET 13

MATCHLINE -L- STA 141+00.00  
SEE PLAN SHEET 15



5/26/2023

SEE SHEET NO. 27 FOR -L- PROFILE

5/14/99

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 15

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

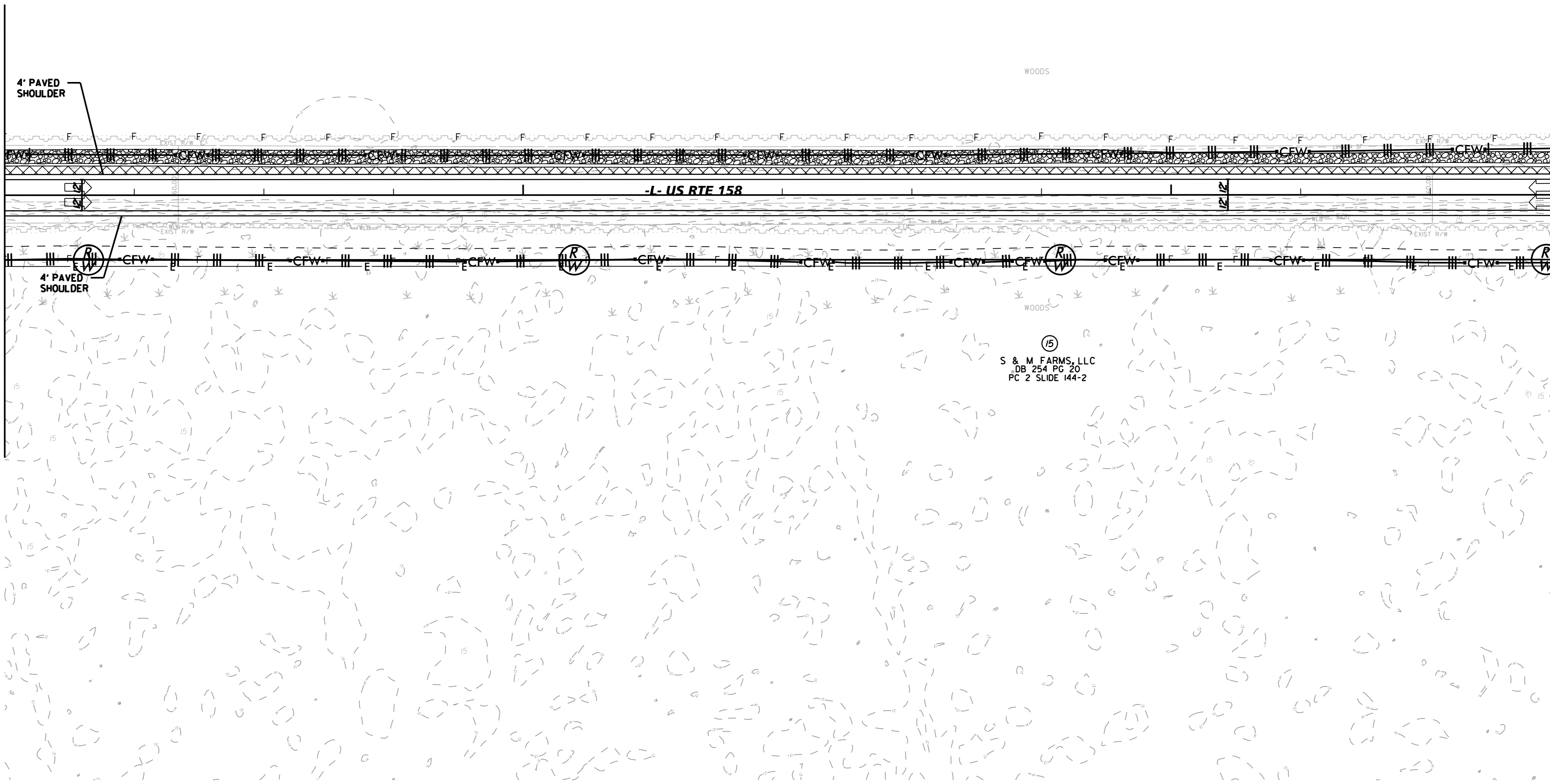
PROJECT REFERENCE NO. R-5808	SHEET NO. EC-15/CONST.15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

14  
UNITED STATES OF AMERICA  
DB 131 PG 172  
DB 121 PG 33

REVISIONS

MATCHLINE -L- STA 14+0000  
SEE PLAN SHEET 14



MATCHLINE -L- STA 153+0000  
SEE PLAN SHEET 16

15  
S & M FARMS, LLC  
DB 254 PG 20  
PC 2 SLIDE 144-2

5/26/2023

SEE SHEET NO. 27 FOR -L- PROFILE

5/14/99

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 16

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

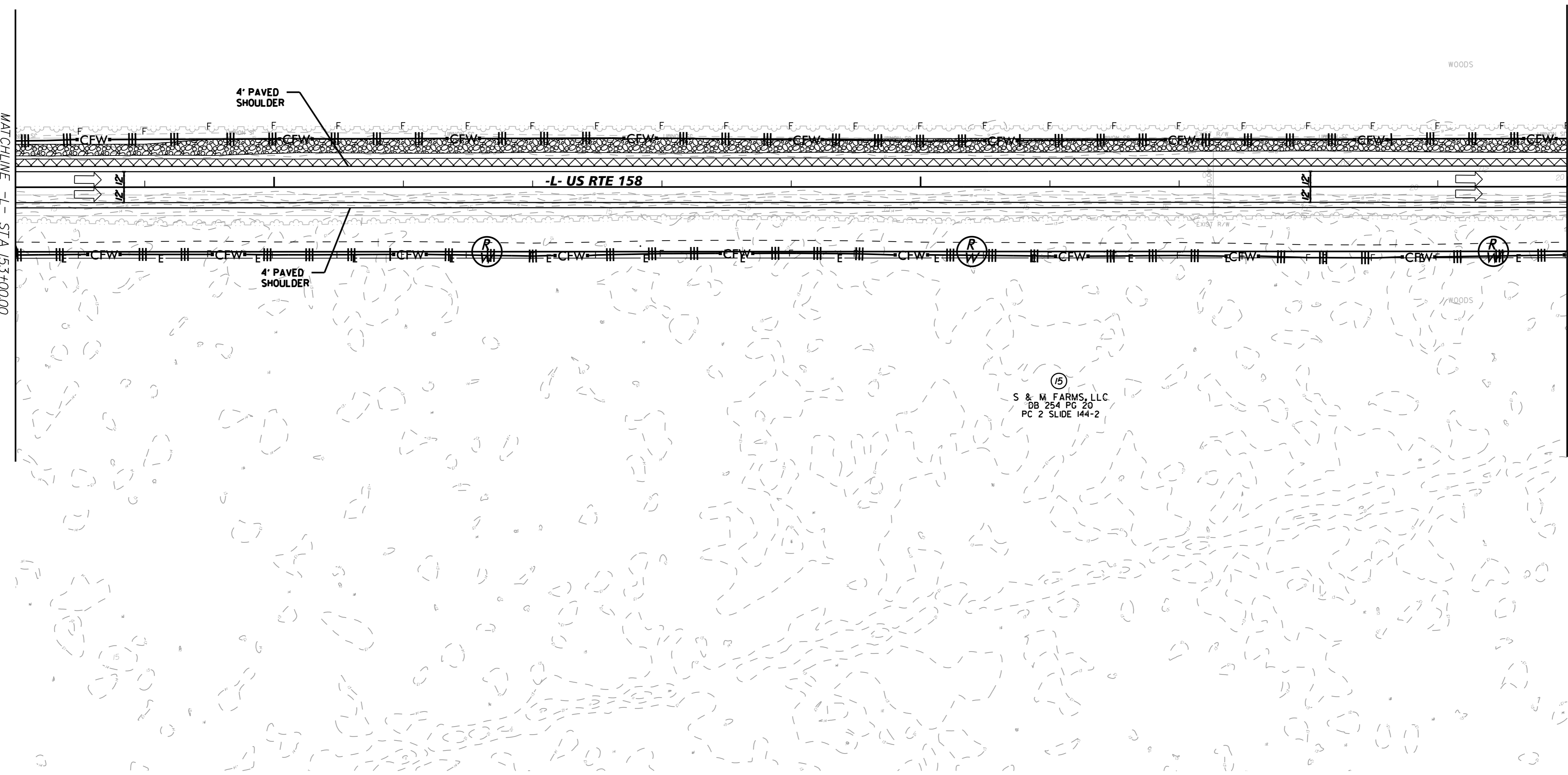
PROJECT REFERENCE NO. R-5808	SHEET NO. EC-16/CONST.16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

NAD 83/NSRS 2007

(14)  
UNITED STATES OF AMERICA  
DB 131PG 172  
DB 121PG 33

MATCHLINE -L- STA 153+00.00  
SEE PLAN SHEET 15



MATCHLINE -L- STA 165+00.00  
SEE PLAN SHEET 17

(15)  
S & M FARMS, LLC  
DB 254 PG 20  
PC 2 SLIDE 144-2

5/26/2023

SEE SHEET NO. 27 AND 28 FOR -L- PROFILE

5/14/99

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

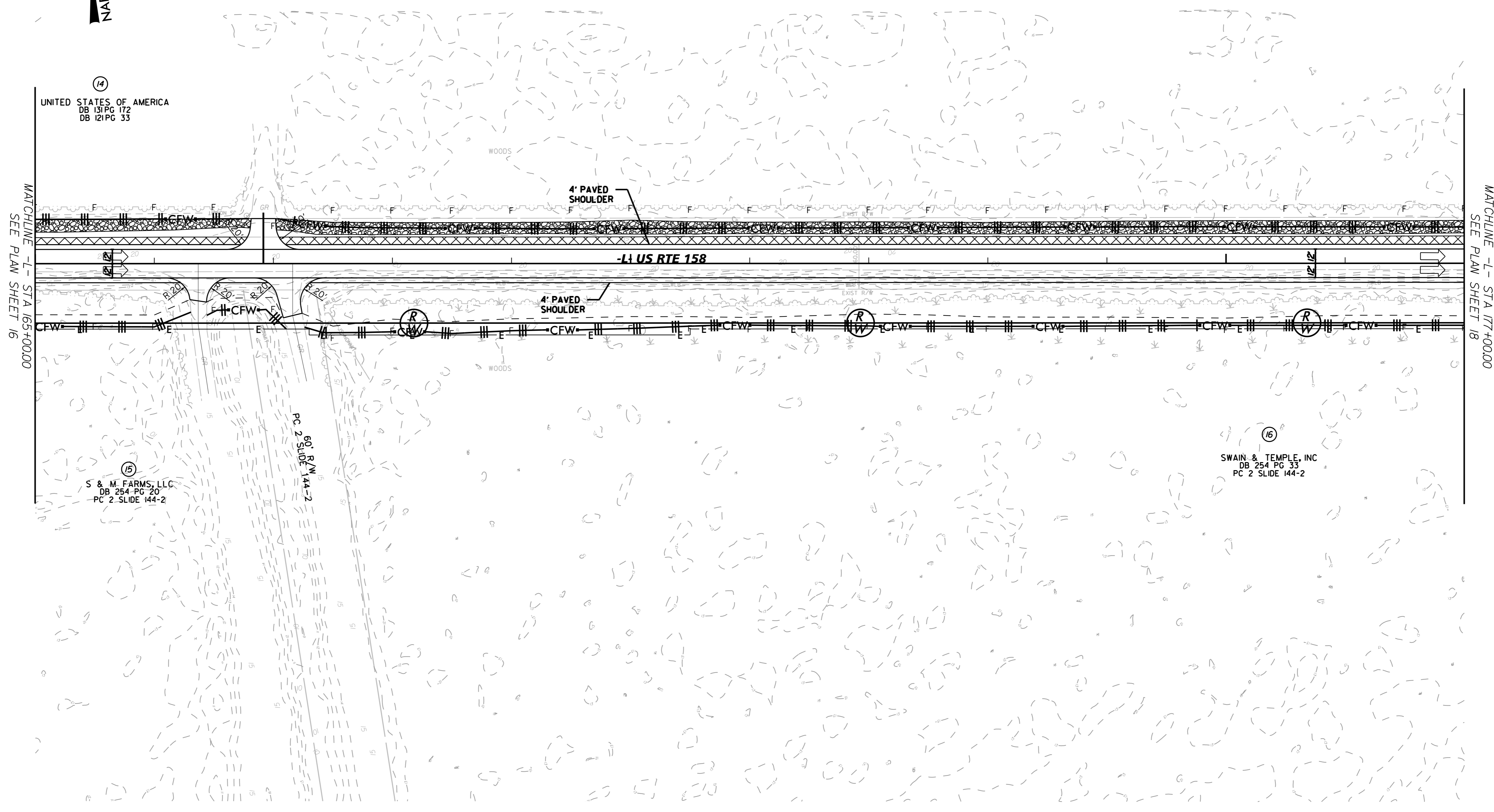
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 17

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-17/CONST.17
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

NAD 83/NSRS 2007



5/26/2023

SEE SHEET NO. 28 FOR -L- PROFILE

5/14/99

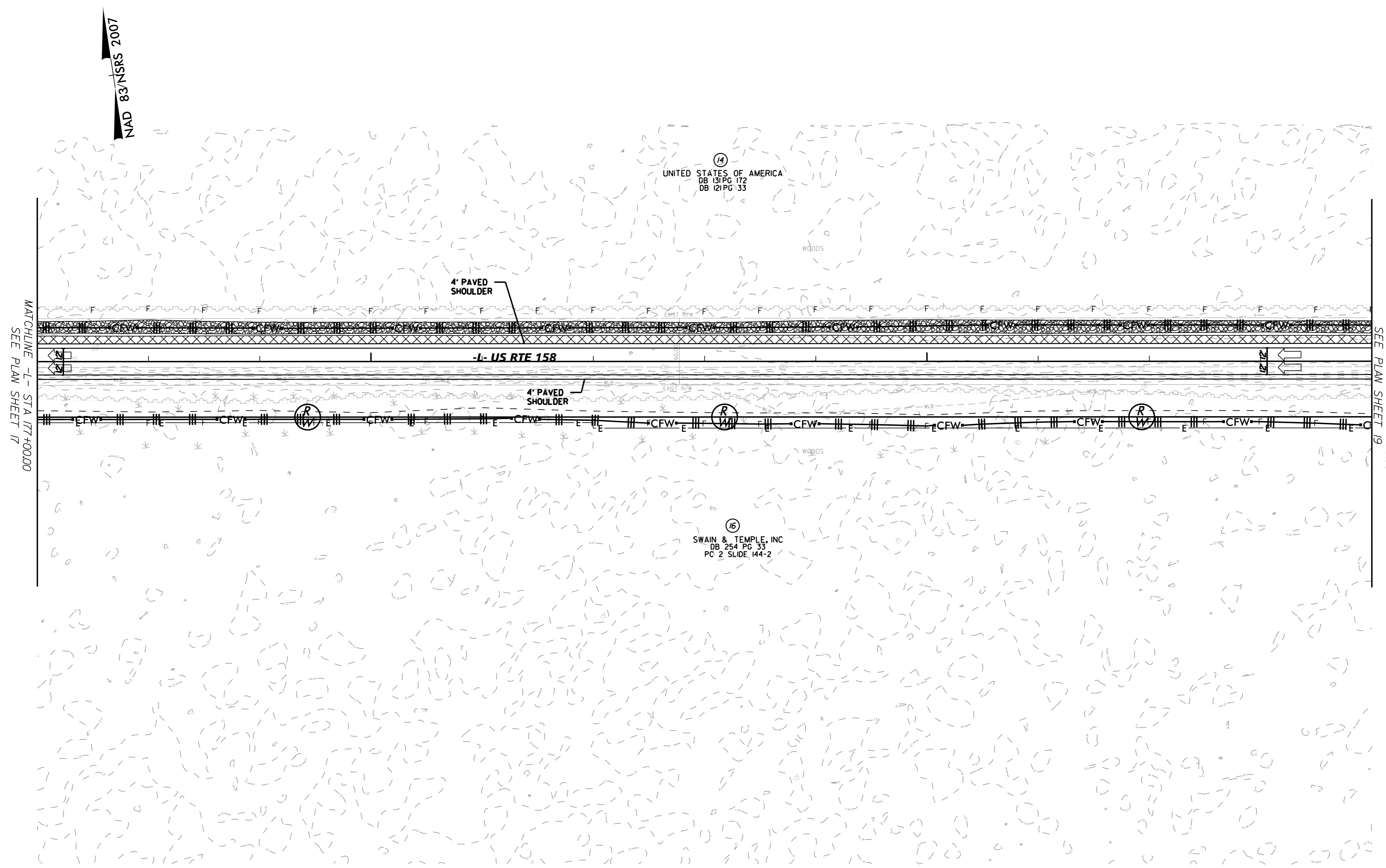
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 18

PROJECT REFERENCE NO. R-5808		SHEET NO. EC-18/CONST.18
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

REVISIONS



5/26/2023

SEE SHEET NO. 28 AND 29 FOR -L- PROFILE



5/14/99

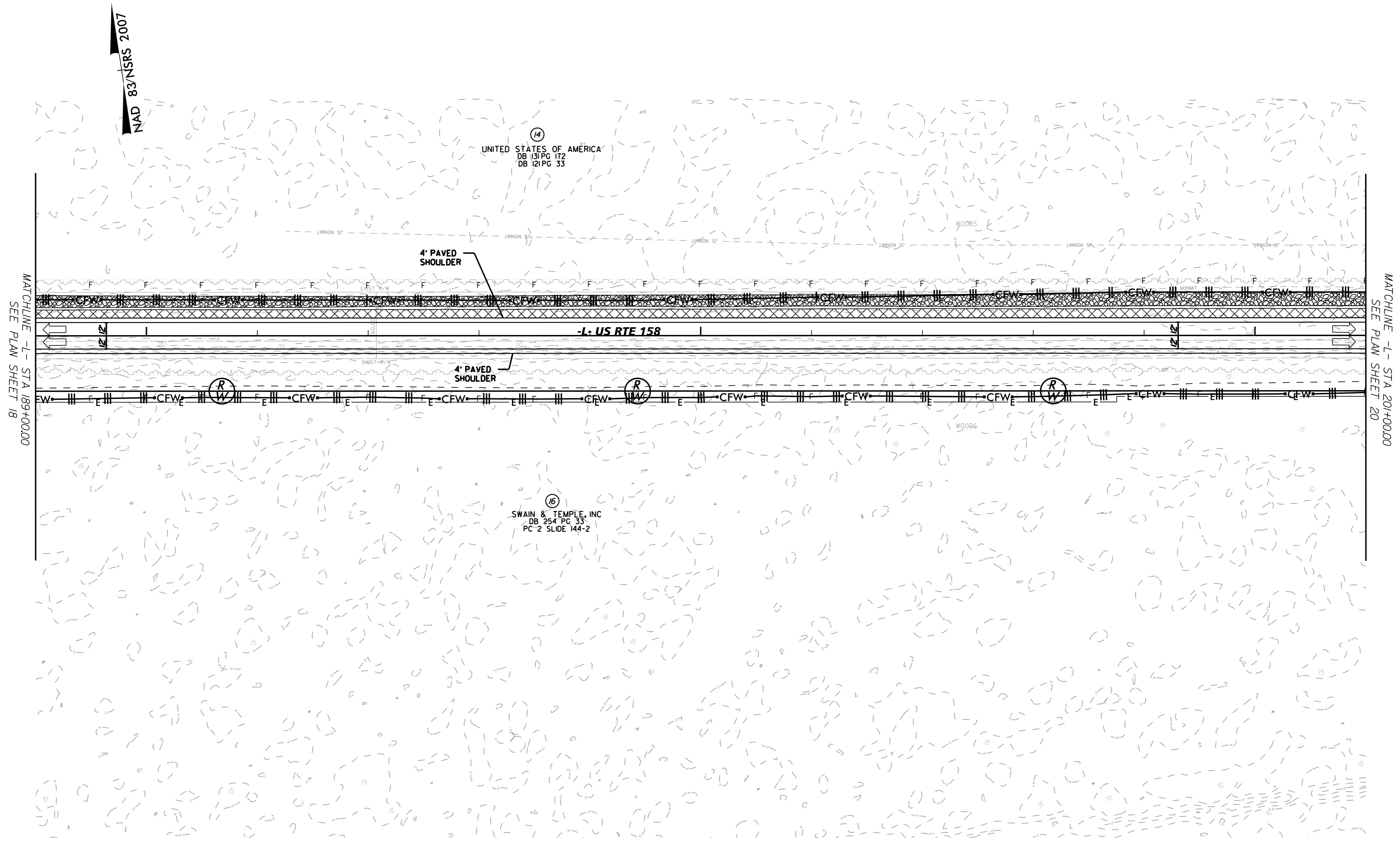
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 19

**Kimley » Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-19/CONST.19
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



5/26/2023

SEE SHEET NO. 29 FOR -L- PROFILE

5/14/99

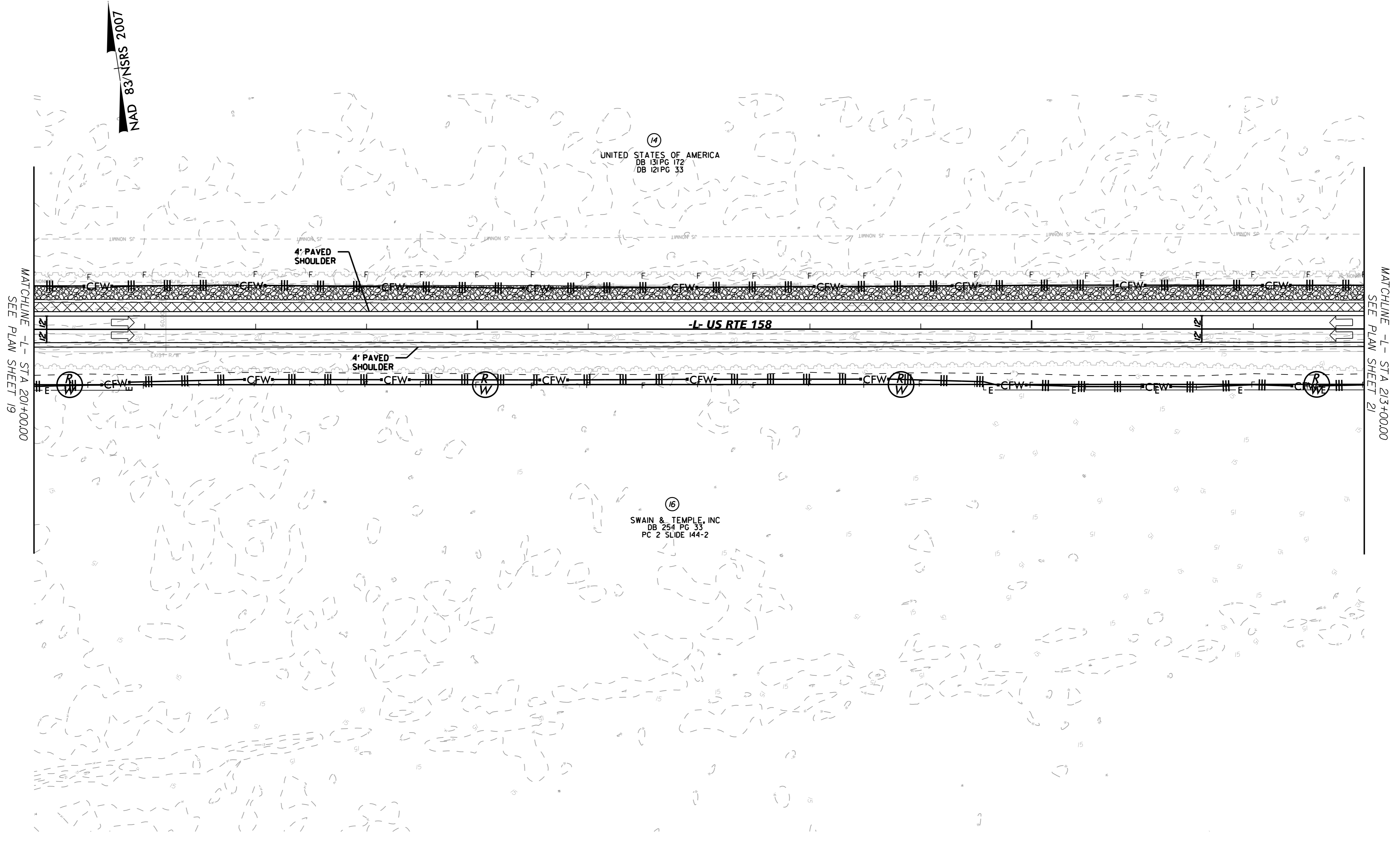
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 20

**Kimley & Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-20/CONST. 20
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



5/26/2023

SEE SHEET NO. 29 AND 30 FOR -L- PROFILE

5/14/99

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 21

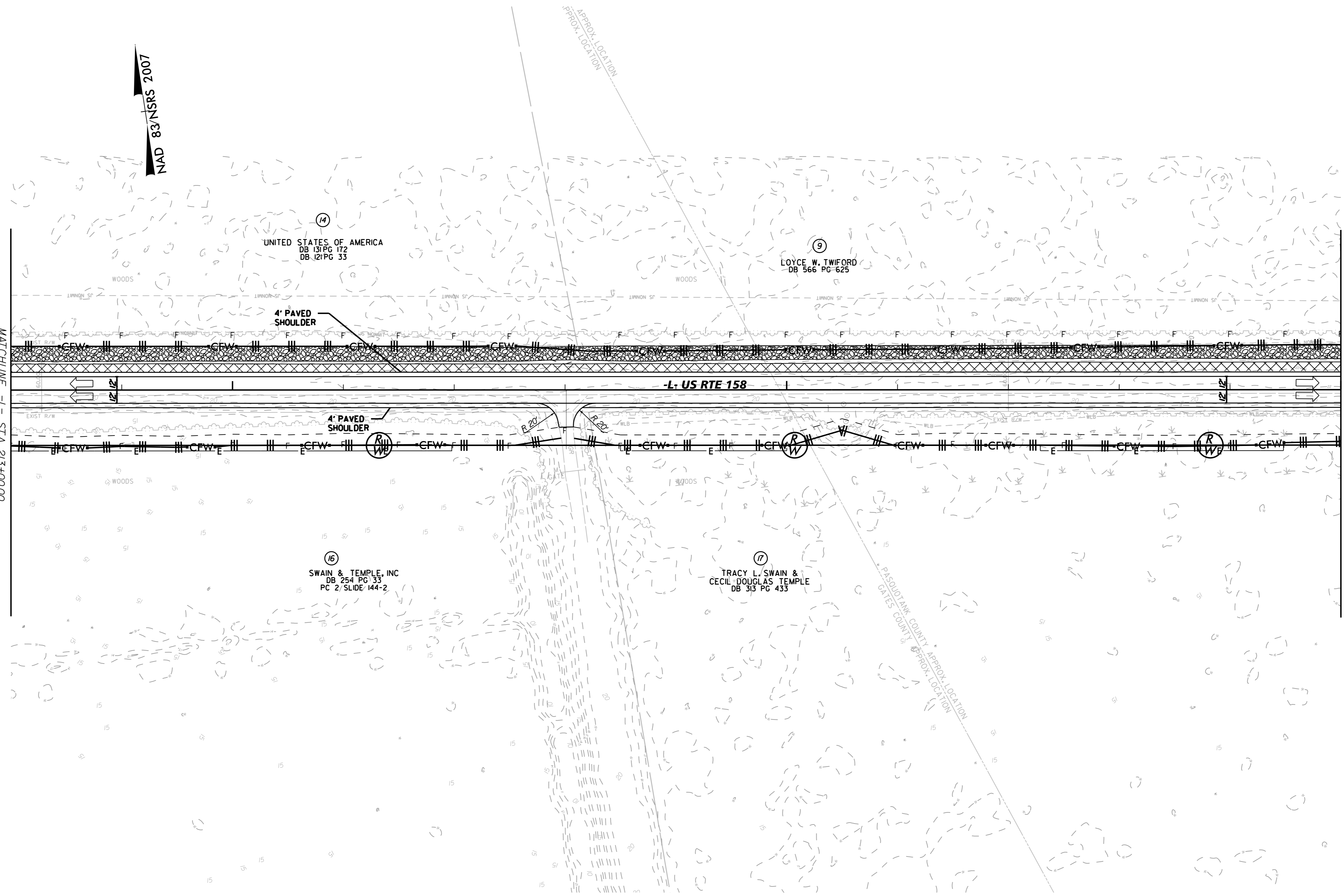
**Kimley » Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-21/CONST. 21
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

MATCHLINE -L- STA 213+0000  
SEE PLAN SHEET 20

MATCHLINE -L- STA 225+0000  
SEE PLAN SHEET 22



5/26/2023

SEE SHEET NO. 30 FOR -L- PROFILE

5/14/99

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

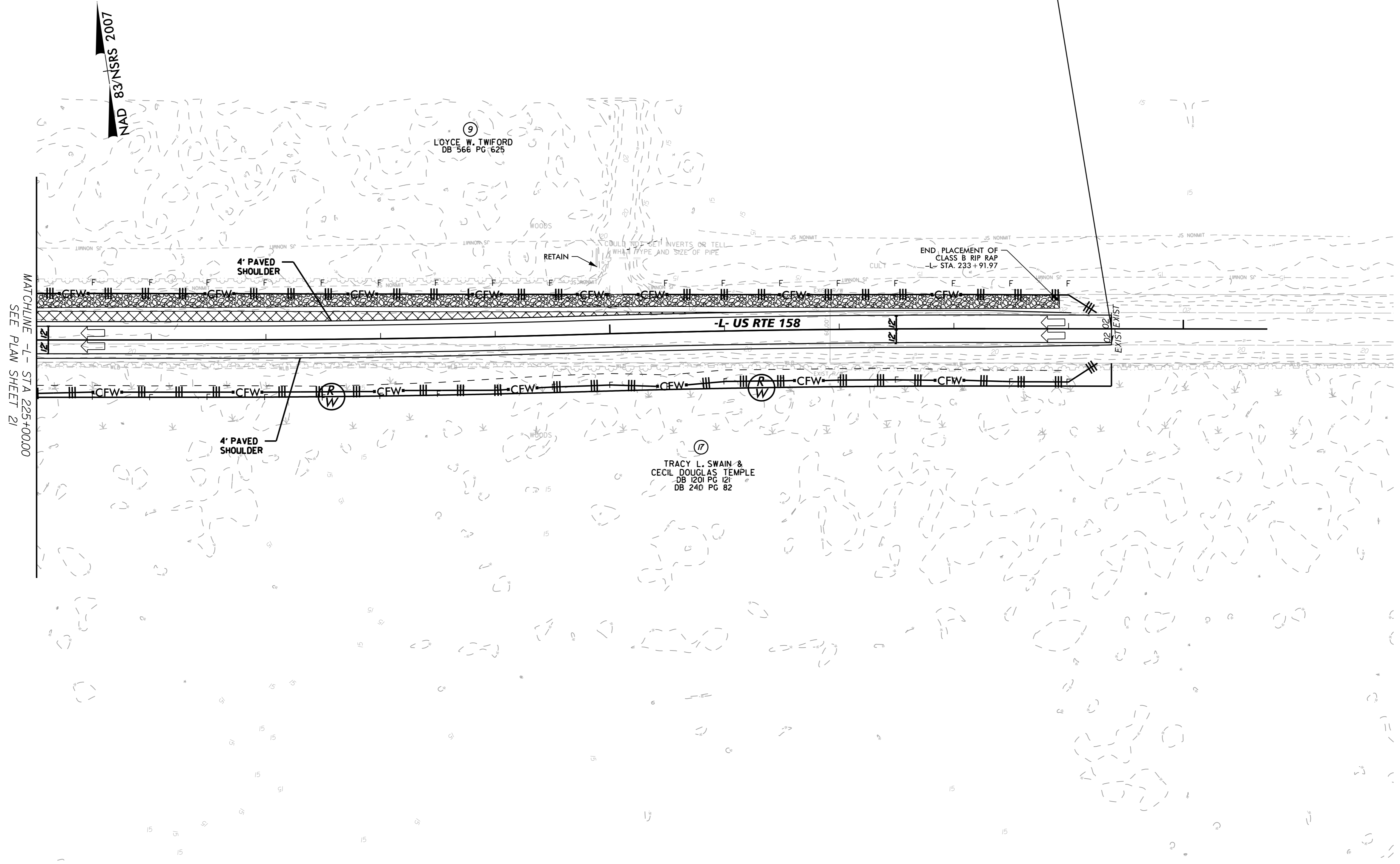
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 22

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO.	SHEET NO.
R-5808	EC-22/CONST. 22
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

**END TIP PROJECT R-5808**  
**-L- POT Sta. 234+37.39**



5/26/2023

SEE SHEET NO. 30 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEET EC-3 FOR STATION RANGES

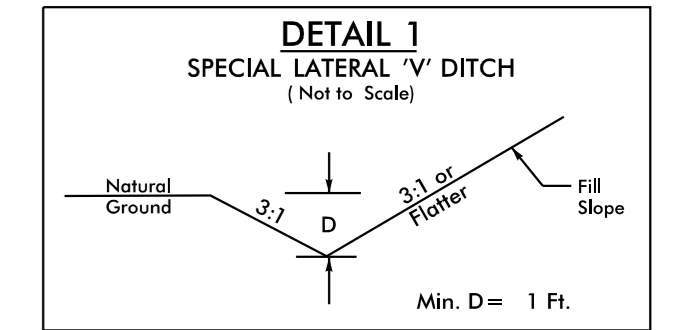
FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 6

**Kimley Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-23/CONST.4
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

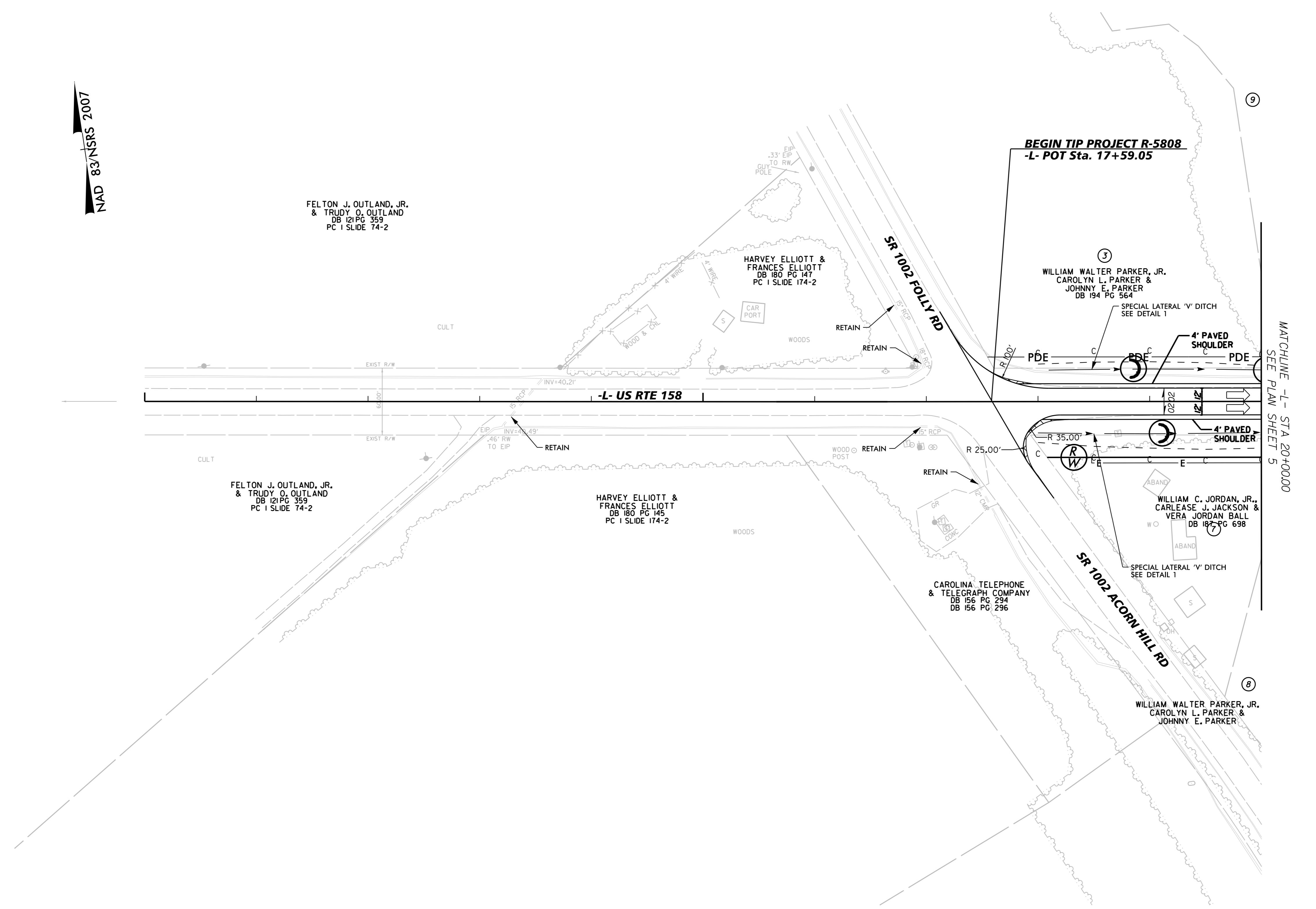
NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NAD 83/NSRS 2007



FROM STA. 18+00 TO STA. 21+00 -L- (LT)  
FROM STA. 18+00 TO STA. 21+50 -L- (RT)

REVISIONS



**BEGIN TIP PROJECT R-5808**  
**-L- POT Sta. 17+59.05**

MATCHLINE -L- STA 20+00.00  
SEE PLAN SHEET 5

5/26/2023

SEE SHEET NO. 23 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

NOTE:  
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

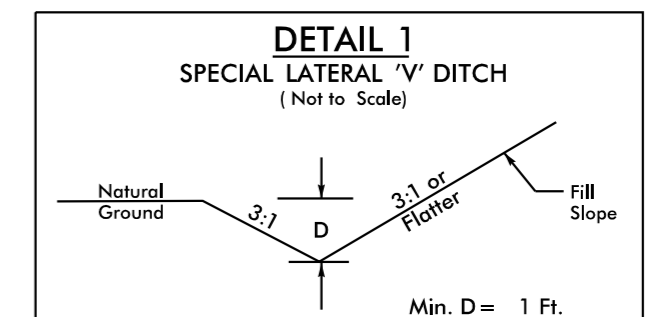
NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEET EC-3 FOR STATION RANGES

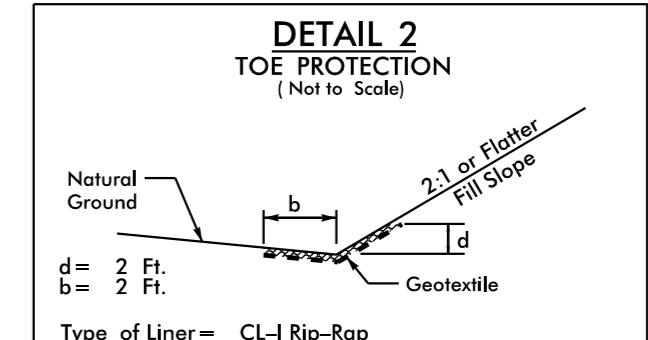
FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 5

**Kimley Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-24/CONST. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

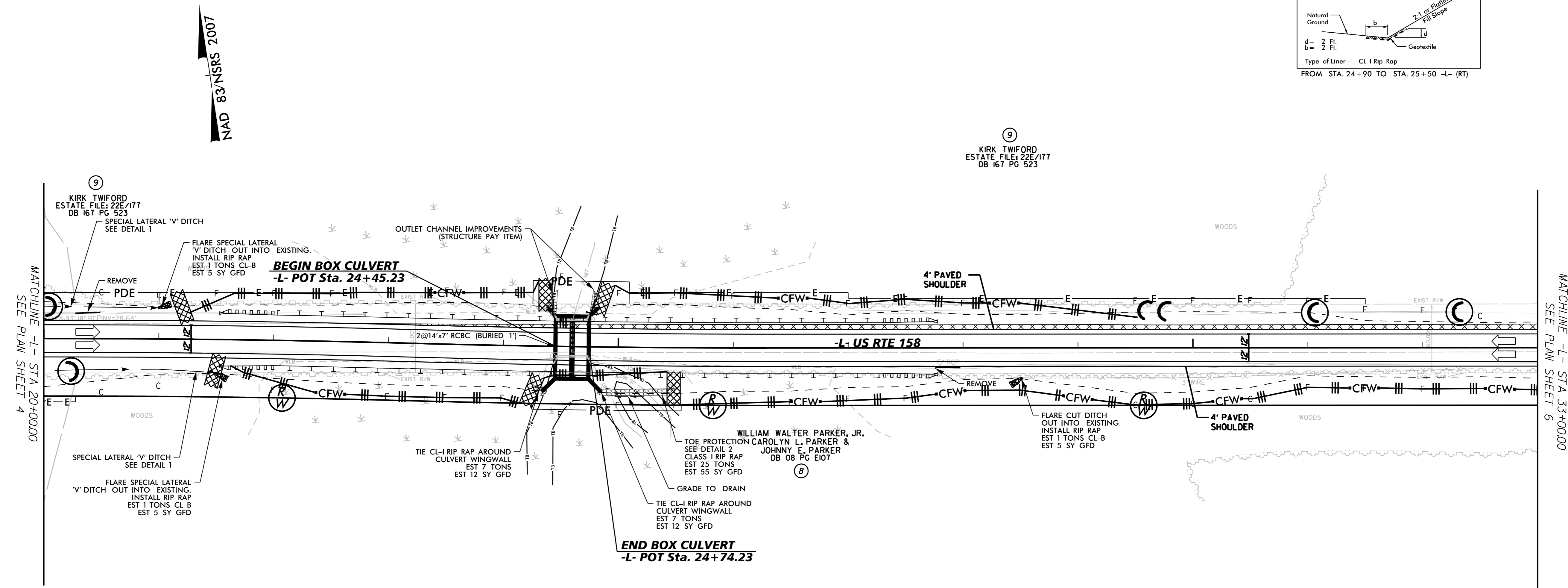


FROM STA. 18+00 TO STA. 21+00 -L- (LT)  
FROM STA. 18+00 TO STA. 21+50 -L- (RT)



FROM STA. 24+90 TO STA. 25+50 -L- (RT)

REVISIONS



DB 08 PG E107

5/26/2023

SEE SHEET NO. 23 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

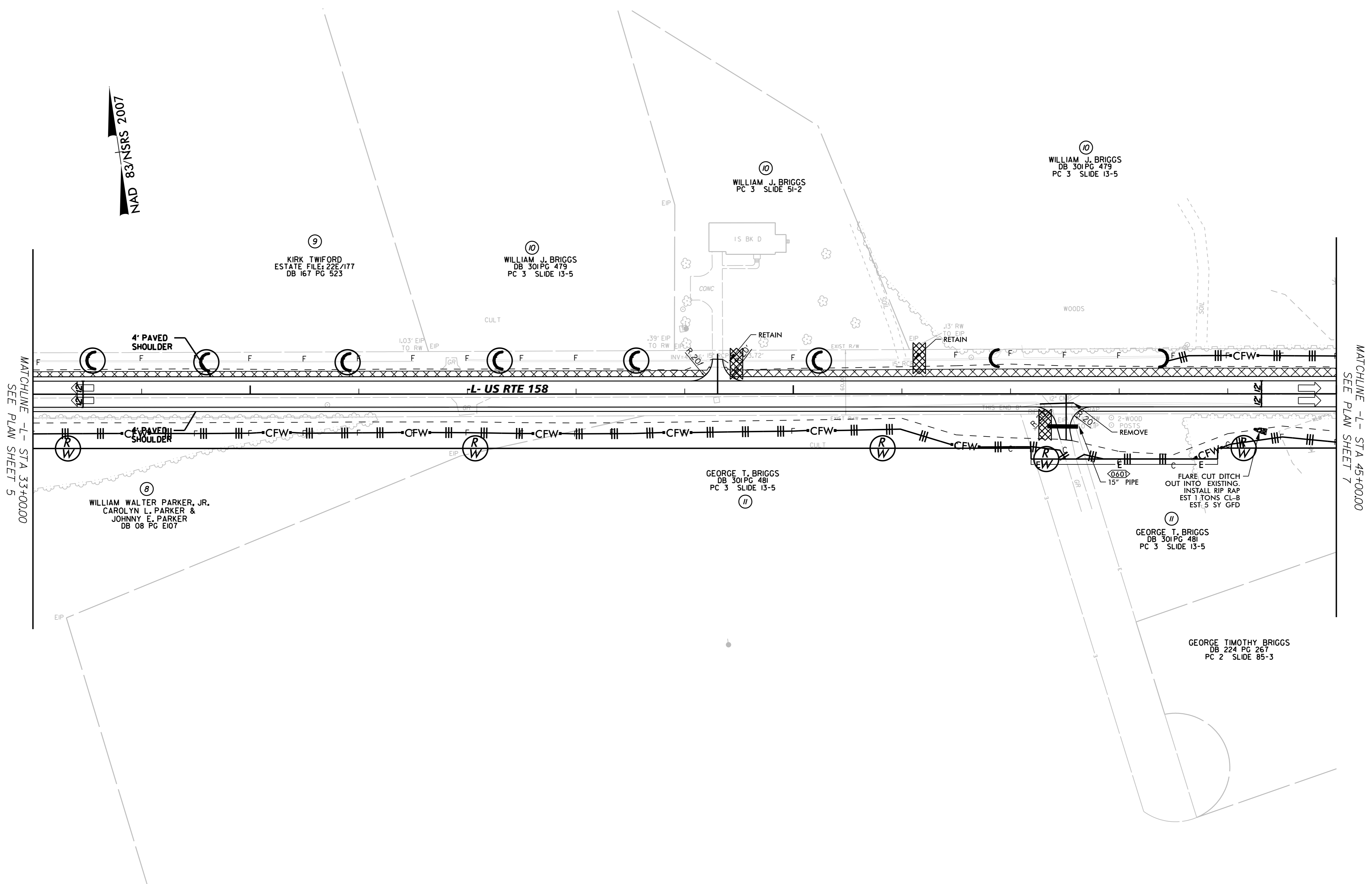
FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 6

**Kimley Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-25/CONST.6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS



5/26/2023

SEE SHEET NO. 23 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

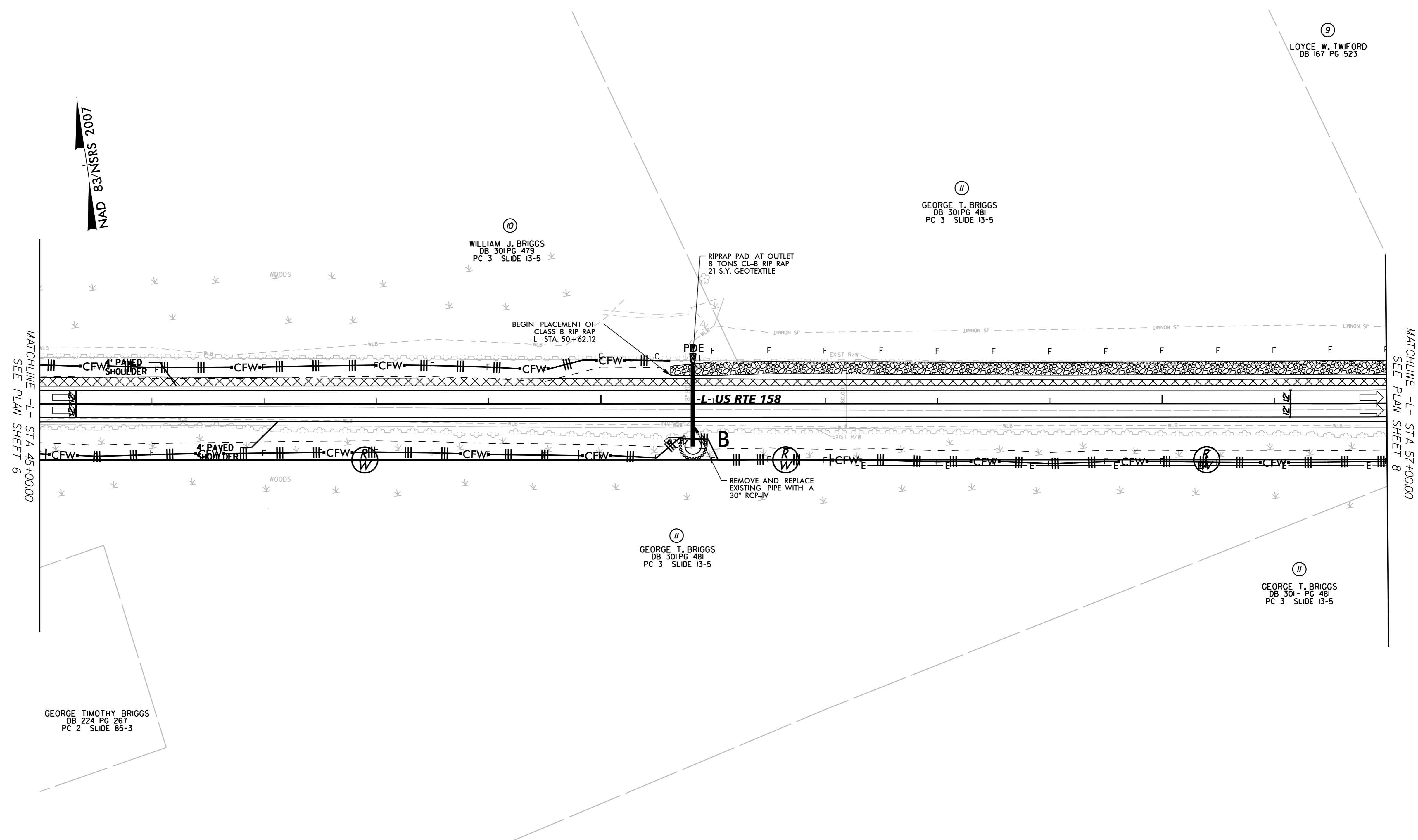
FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 7

**Kimley » Horn**  
 4525 MAIN STREET, SUITE 1000  
 VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-26/CONST.7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS



MATCHLINE -L- STA 45+00.00  
SEE PLAN SHEET 6

MATCHLINE -L- STA 57+00.00  
SEE PLAN SHEET 8

GEORGE TIMOTHY BRIGGS  
DB 224 PG 267  
PC 2 SLIDE B5-3

WILLIAM J. BRIGGS  
DB 301 PG 479  
PC 3 SLIDE I3-5

GEORGE T. BRIGGS  
DB 301 PG 481  
PC 3 SLIDE I3-5

LOYCE W. TWIFORD  
DB 167 PG 523

GEORGE T. BRIGGS  
DB 301 PG 481  
PC 3 SLIDE I3-5

GEORGE T. BRIGGS  
DB 301 PG 481  
PC 3 SLIDE I3-5

5/26/2023

SEE SHEET NO. 23 AND 24 FOR -L- PROFILE



5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 8

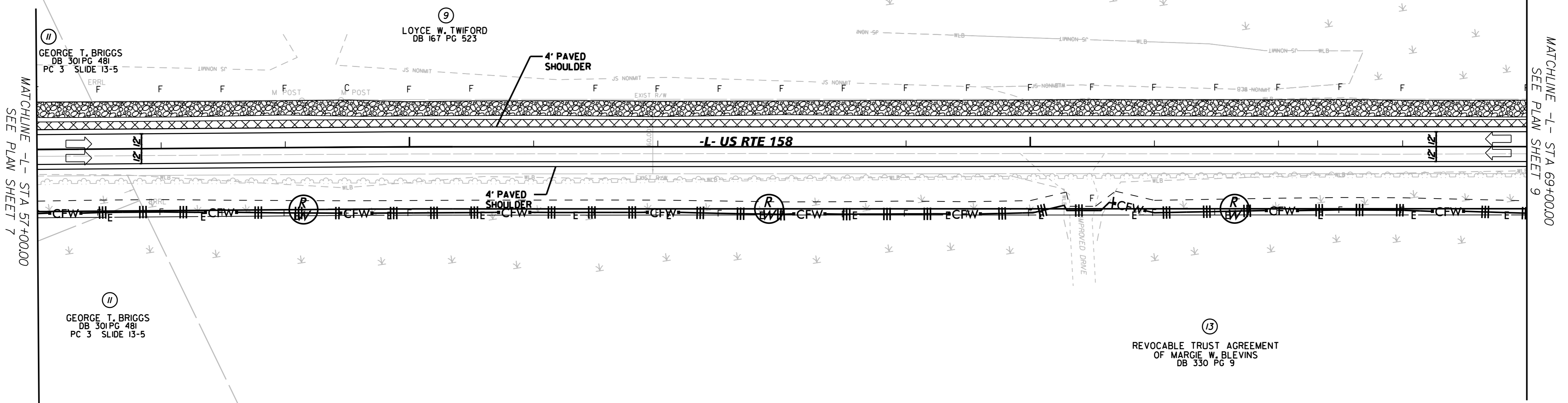
**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO.	SHEET NO.
R-5808	EC-27/CONST.8
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NAD 83 NSRS 2007

REVISIONS



5/26/2023

SEE SHEET NO. 24 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY  
SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING  
(ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 9

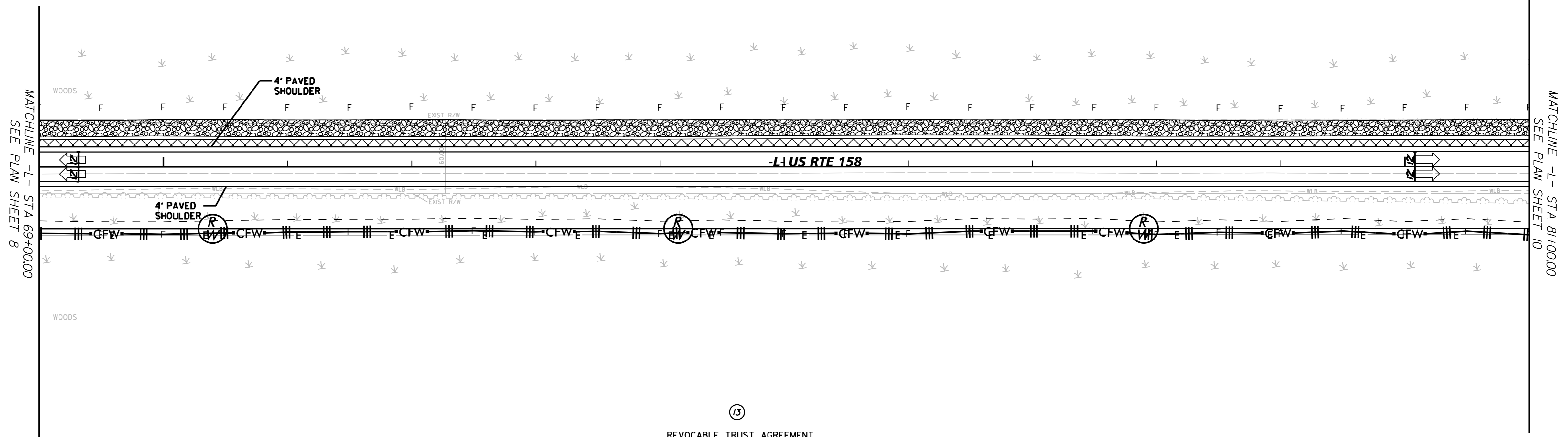
**Kimley»Horn**  
 4525 MAIN STREET, SUITE 1000  
 VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO.	SHEET NO.
R-5808	EC-28/CONST.9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT  
TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NAD 83/NRS 2007

9  
LOYCE W. TWIFORD  
DB 167 PG 523



13  
REVOCABLE TRUST AGREEMENT  
OF MARGIE W. BLEVINS  
DB 330 PG 9

REVISIONS

5/26/2023

SEE SHEET NO. 24 AND 25 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 10

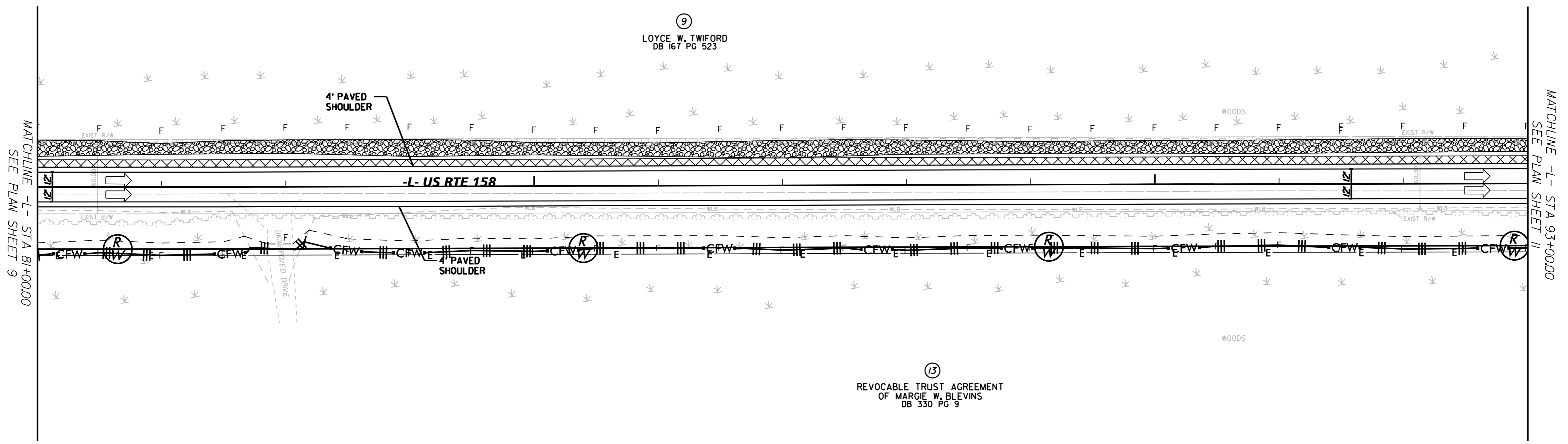
**Kimley»Horn**  
 4525 MAIN STREET, SUITE 1000  
 VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-29/CONST.10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NAD 83/NSRS 2007

REVISIONS



5/26/2023

SEE SHEET NO. 25 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 11

**Kimley»Horn**  
 4525 MAIN STREET, SUITE 1000  
 VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-30/CONST.11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

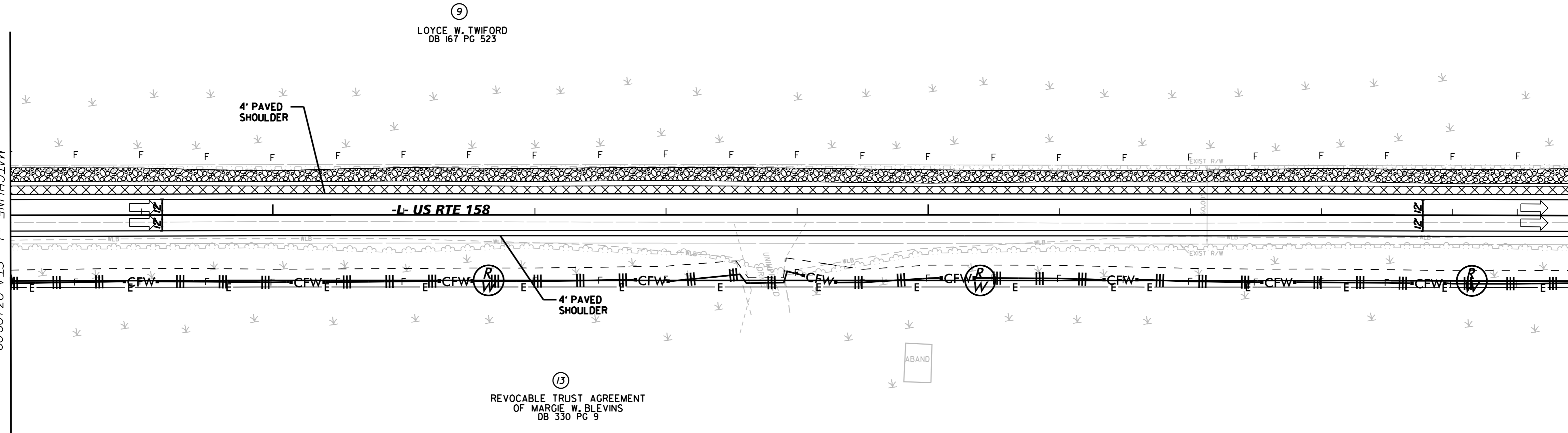
NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS

NAD 83/NSRS 2007

MATCHLINE -L- STA 93+00.00  
SEE PLAN SHEET 10

MATCHLINE -L- STA 105+00.00  
SEE PLAN SHEET 12



5/26/2023

SEE SHEET NO. 25 AND 26 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 12

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

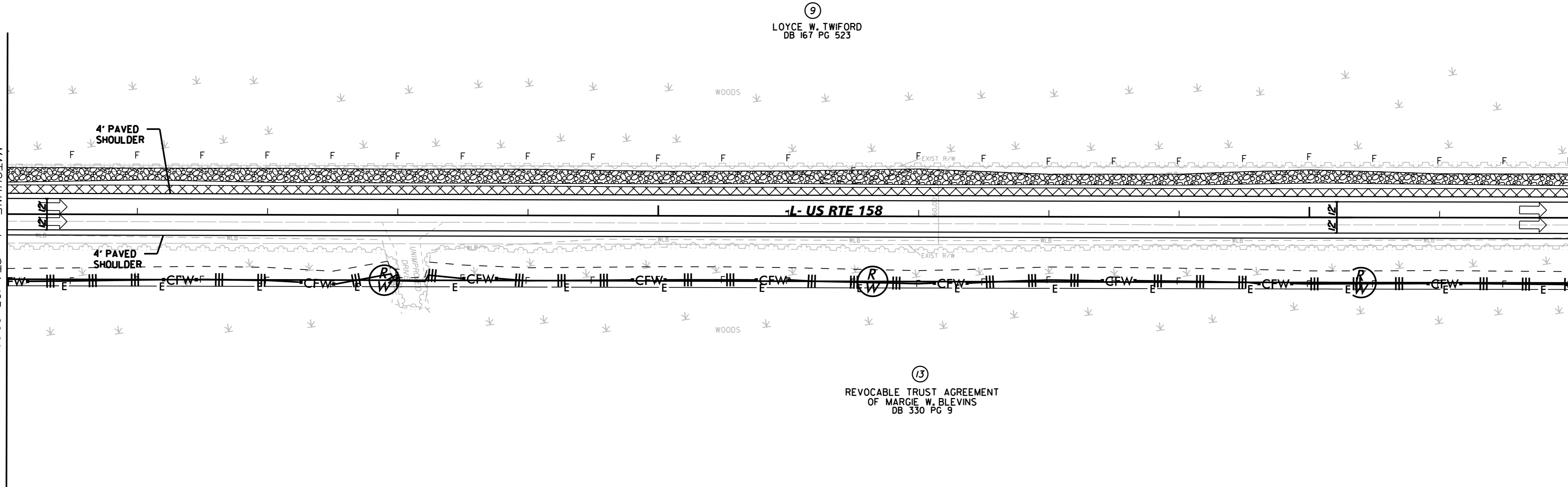
PROJECT REFERENCE NO. R-5808	SHEET NO. EC-31/CONST.12
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS

NAD 83/NSRS 2007

MATCHLINE -L- STA 105+00.00  
SEE PLAN SHEET II



MATCHLINE -L- STA 117+00.00  
SEE PLAN SHEET 13

5/26/2023

SEE SHEET NO. 26 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

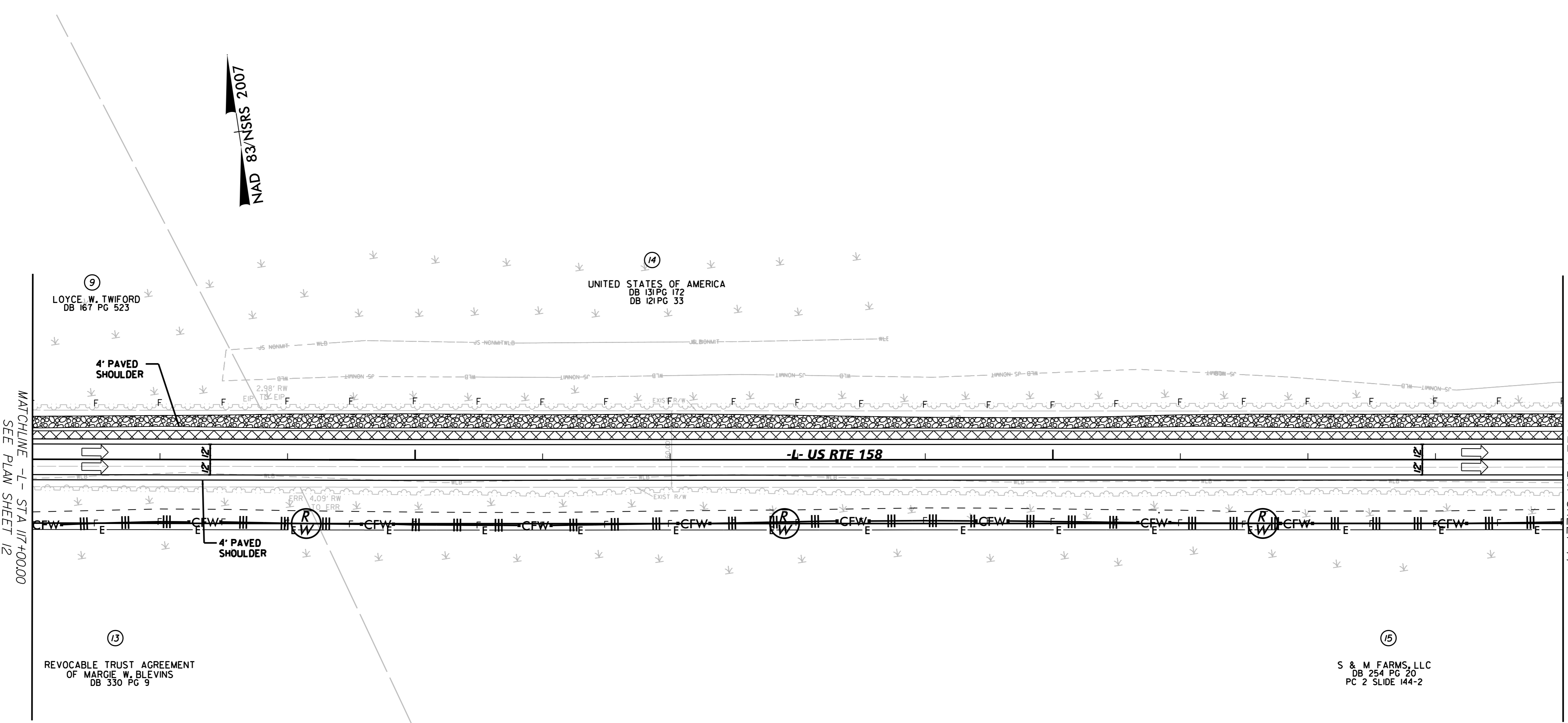
FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 13

**Kimley » Horn**  
 4525 MAIN STREET, SUITE 1000  
 VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-32/CONST.13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS



SEE SHEET NO. 26 AND 27 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY  
SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING  
(ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 14

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-33/CONST.14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

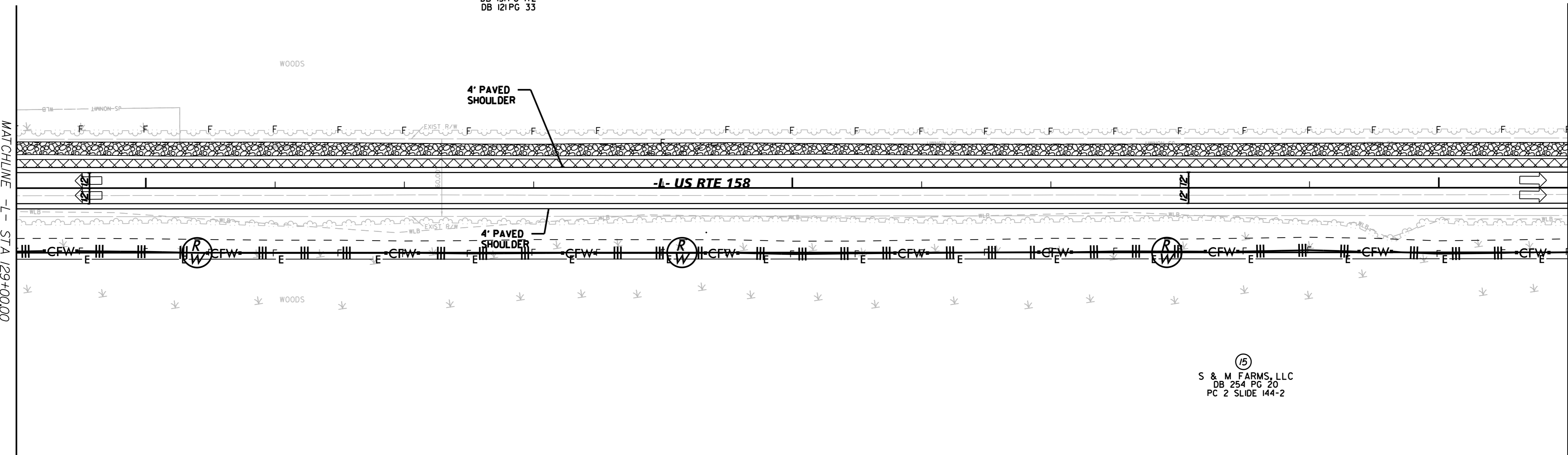
NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT  
TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS

NAD 83 NSRS 2007

14  
UNITED STATES OF AMERICA  
DB 131 PG 172  
DB 121 PG 33

MATCHLINE -L- STA 129+00.00  
SEE PLAN SHEET 13



MATCHLINE -L- STA 141+00.00  
SEE PLAN SHEET 15

15  
S & M FARMS, LLC  
DB 254 PG 20  
PC 2 SLIDE 144-2

5/26/2023

SEE SHEET NO. 27 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY  
SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING  
(ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 15

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-34/CONST.15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

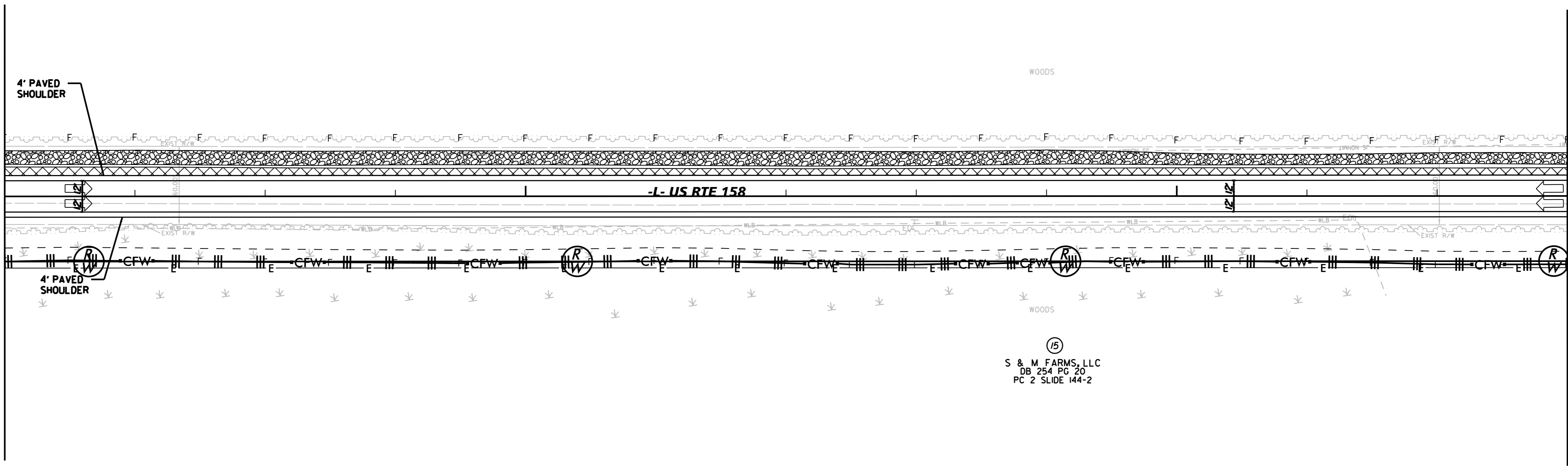
NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT  
TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NAD 83/NSRS 2007

14  
UNITED STATES OF AMERICA  
DB 131 PG 172  
DB 121 PG 33

REVISIONS

MATCHLINE -L- STA 14+0000  
SEE PLAN SHEET 14



MATCHLINE -L- STA 153+0000  
SEE PLAN SHEET 16

15  
S & M FARMS, LLC  
DB 254 PG 20  
PC 2 SLIDE 144-2

5/26/2023

SEE SHEET NO. 27 FOR -L- PROFILE



5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 16

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-35/CONST.16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

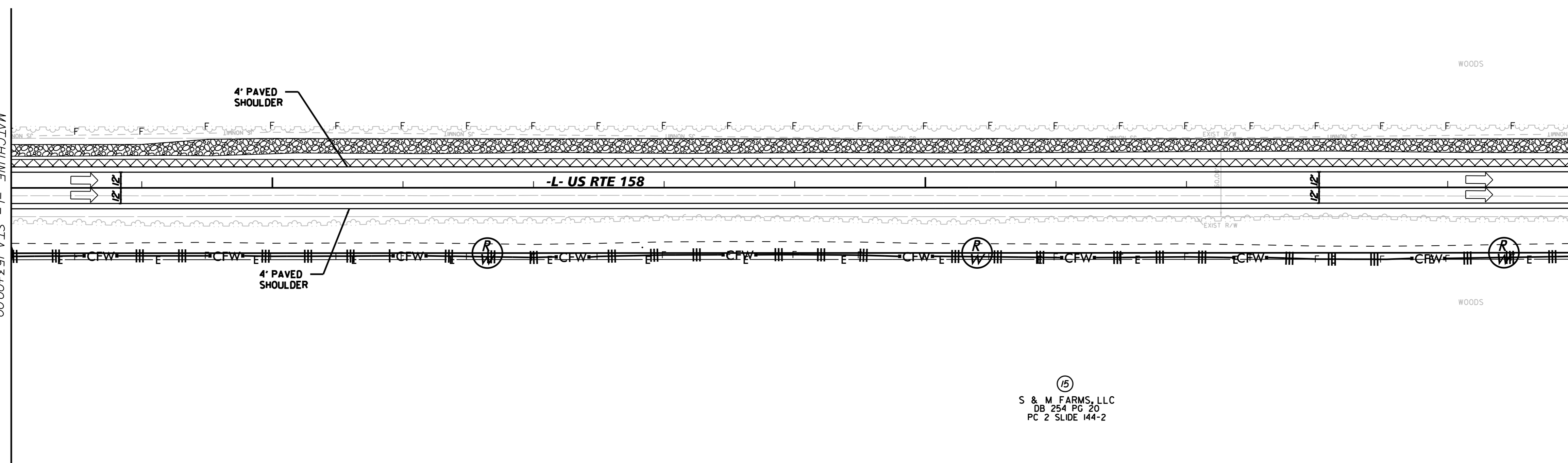
NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NAD 83/NSRS 2007

14  
UNITED STATES OF AMERICA  
DB 131PG 172  
DB 121PG 33

REVISIONS

MATCHLINE -L- STA 153+00.00  
SEE PLAN SHEET 15



MATCHLINE -L- STA 165+00.00  
SEE PLAN SHEET 17

15  
S & M FARMS, LLC  
DB 254 PG 20  
PC 2 SLIDE 144-2

5/26/2023

SEE SHEET NO. 27 AND 28 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY  
SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING  
(ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 17

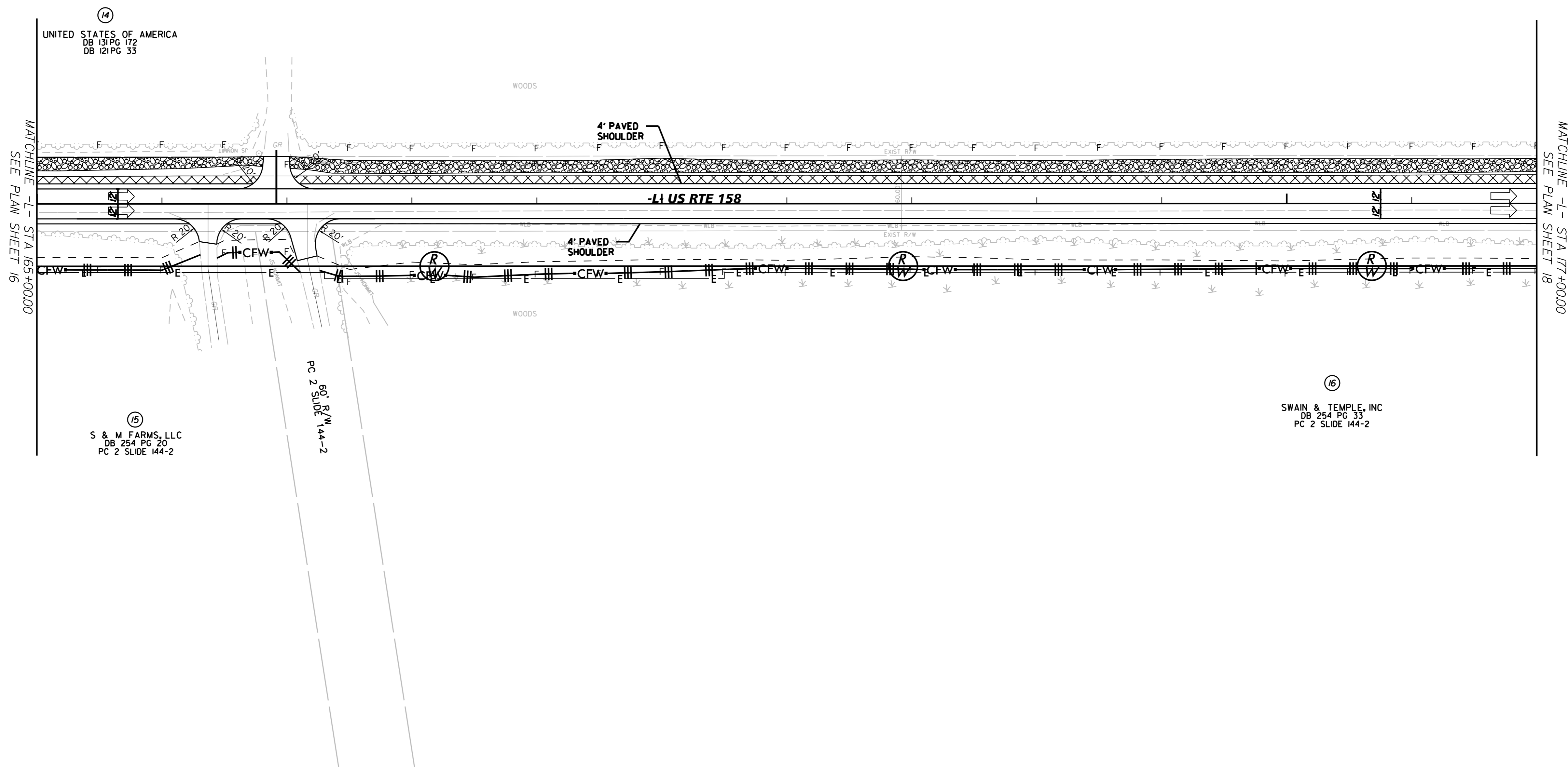
**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-36/CONST.17
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT  
TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS

NAD 83/NSRS 2007



5/26/2023

SEE SHEET NO. 28 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 18

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-37/CONST. 18
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NAD 83/NSRS 2007

14  
UNITED STATES OF AMERICA  
DB 131 PG 172  
DB 121 PG 33

WOODS

4' PAVED SHOULDER

-L- US RTE 158

4' PAVED SHOULDER

WOODS

16  
SWAIN & TEMPLE, INC  
DB 254 PG 33  
PC 2 SLIDE 144-2

REVISIONS

MATCHLINE -L- STA 177+00.00  
SEE PLAN SHEET 17

MATCHLINE -L- STA 189+00.00  
SEE PLAN SHEET 19

5/26/2023

SEE SHEET NO. 28 AND 29 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 19

**Kimley»Horn**  
 4525 MAIN STREET, SUITE 1000  
 VIRGINIA BEACH, VA 23462

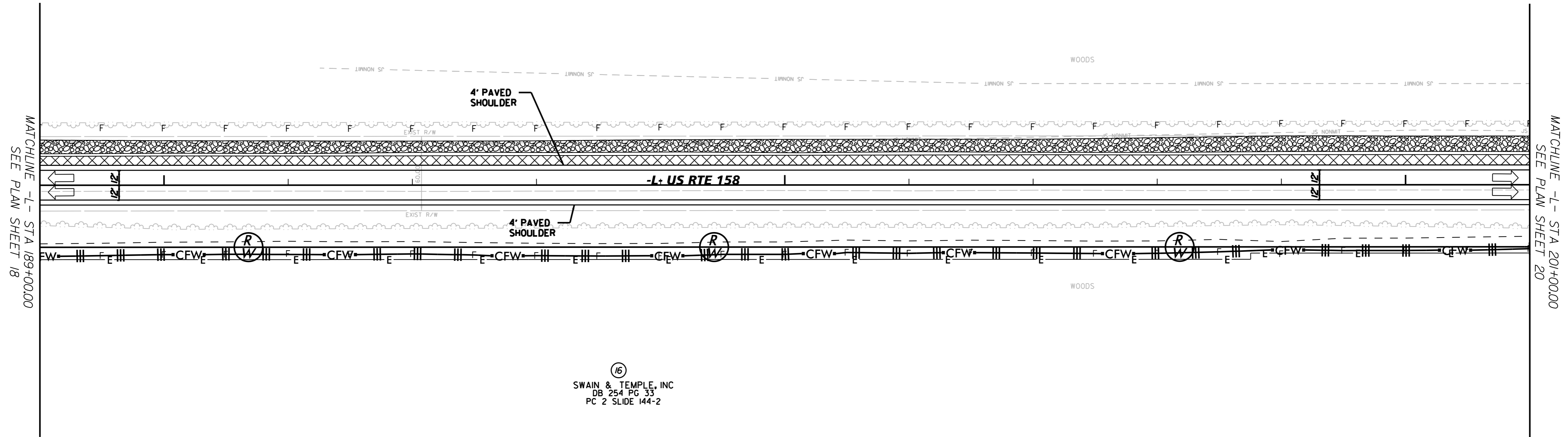
PROJECT REFERENCE NO. R-5808	SHEET NO. EC-38/CONST.19
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS

NAD 83/NSRS 2007

14  
UNITED STATES OF AMERICA  
DB 131 PG 172  
DB 121 PG 33



16  
SWAIN & TEMPLE, INC  
DB 254 PG 33  
PC 2 SLIDE 144-2

5/26/2023

SEE SHEET NO. 29 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 20

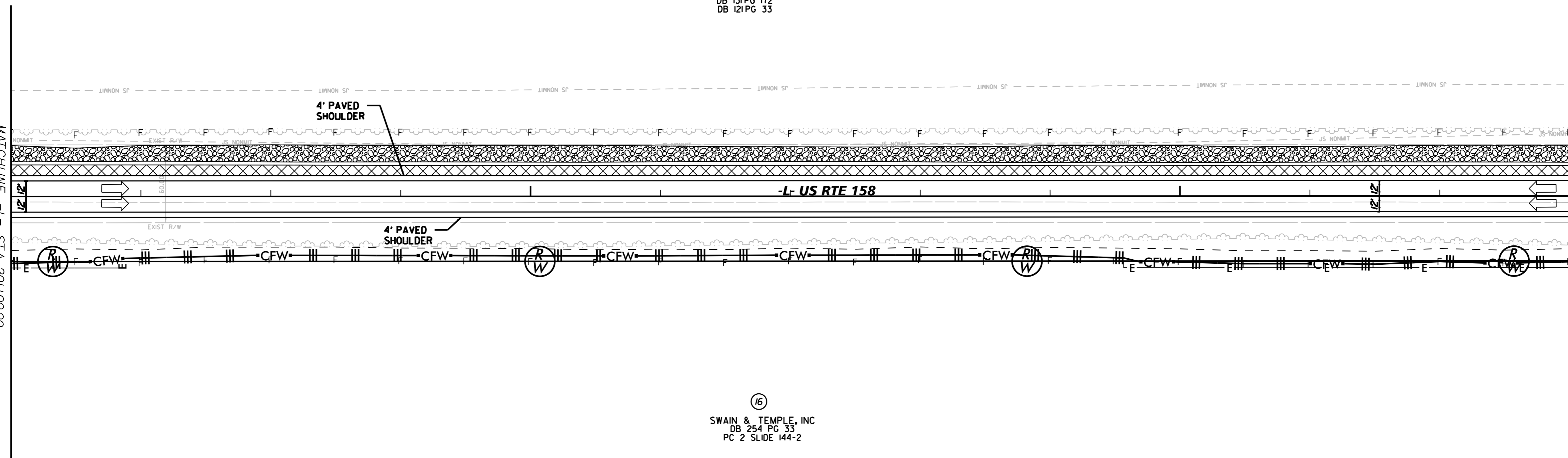
**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-39/CONST. 20
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS

MATCHLINE -L- STA 20+00.00  
SEE PLAN SHEET 19



MATCHLINE -L- STA 23+00.00  
SEE PLAN SHEET 21

5/26/2023

SEE SHEET NO. 29 AND 30 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 21

**Kimley » Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

PROJECT REFERENCE NO. R-5808	SHEET NO. EC-40/CONST. 21
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

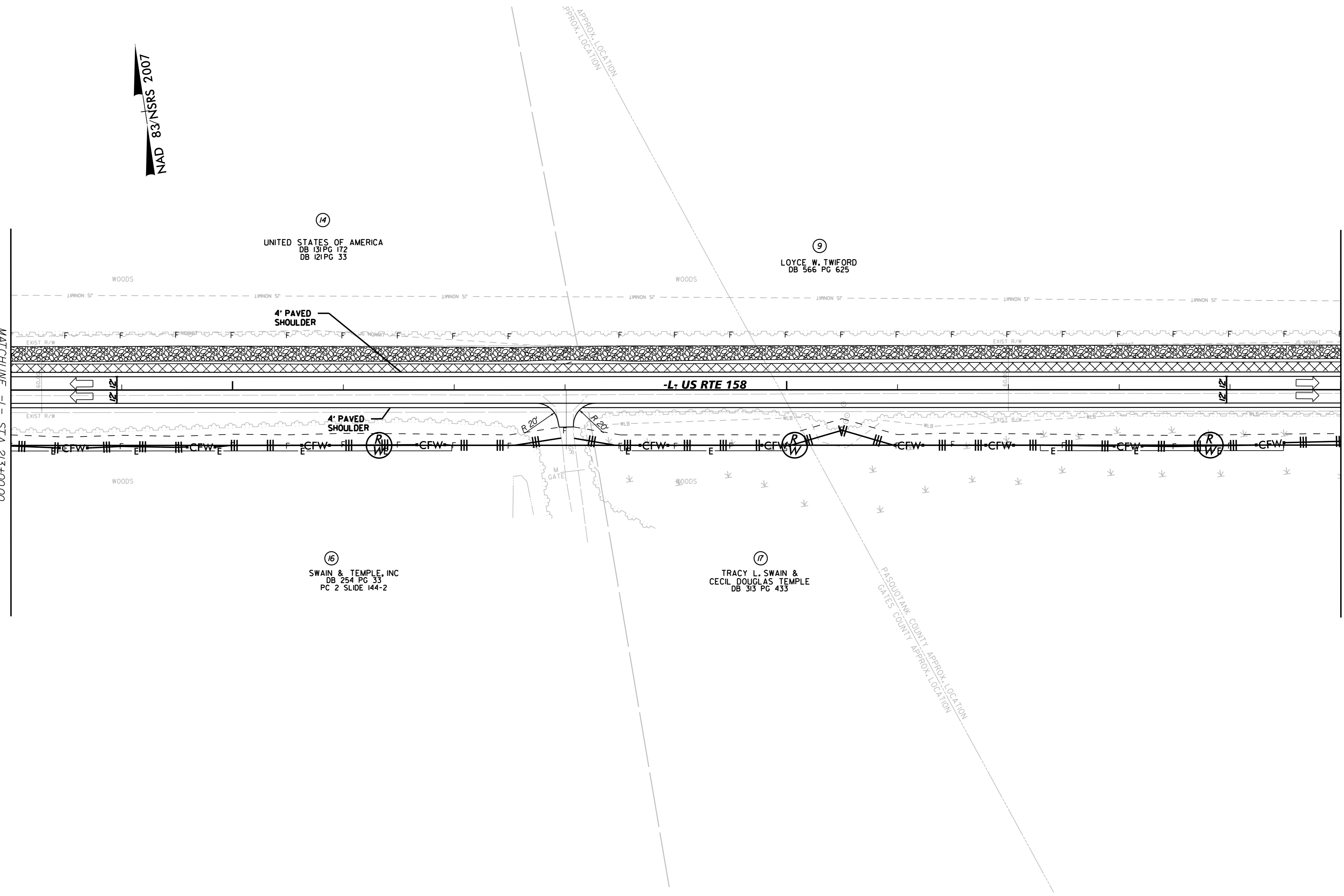
NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

REVISIONS

NAD 83 NSRS 2007

MATCHLINE -L- STA 213+00.00  
SEE PLAN SHEET 20

MATCHLINE -L- STA 225+00.00  
SEE PLAN SHEET 22



5/26/2023

SEE SHEET NO. 30 FOR -L- PROFILE

5/14/99

NOTE:  
THE OUTSIDE BUFFER, WETLAND, OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

FINAL EROSION CONTROL FOR  
CONSTRUCTION SHEET 22

PROJECT REFERENCE NO. R-5808		SHEET NO. EC-41/CONST. 22
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

**Kimley»Horn**  
4525 MAIN STREET, SUITE 1000  
VIRGINIA BEACH, VA 23462

NOTE:  
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

**END TIP PROJECT R-5808**  
**-L- POT Sta. 234+37.39**

NAD 83/NSRS 2007

9  
LOYCE W. TWIFORD  
DB 566 PG 625

WOODS  
COULD NOT GET INVERTS OR TELL WHAT TYPE AND SIZE OF PIPE

END PLACEMENT OF CLASS B RIP RAP  
-L- STA. 233+91.97

MATCHLINE -L- STA 225+00.00  
SEE PLAN SHEET 21

4' PAVED SHOULDER

RETAIN

-L- US RTE 158

4' PAVED SHOULDER

17  
TRACY L. SWAIN &  
CECIL DOUGLAS TEMPLE  
DB 1201 PG 121  
DB 240 PG 82

REVISIONS

SEE SHEET NO. 30 FOR -L- PROFILE

5/26/2023