

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3538	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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PLAN FOR PROPOSED  
HIGHWAY EROSION CONTROL

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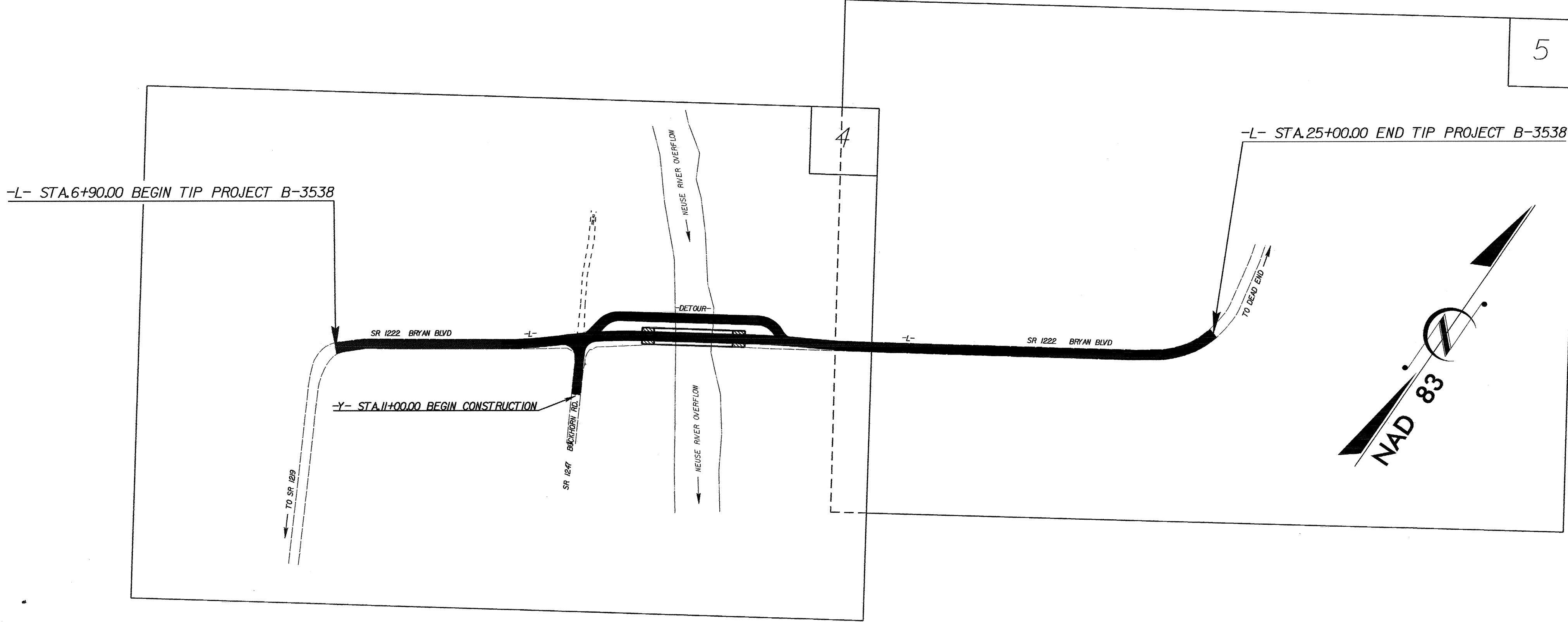
**WAYNE COUNTY**

**LOCATION: BRIDGE NO. 296 OVER THE NEUSE RIVER OVERFLOW  
ON SR 1222**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE**

**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.03	Temporary Silt Ditch.....	
1630.05	Temporary Diversion.....	
1605.01	Temporary Silt Fence.....	
1606.01	Special Sediment Control Fence.....	
1622.01	Temporary Berms and Slope Drains.....	
1630.01	Riser Basin.....	
1630.02	Silt Basin Type B.....	
1633.01	Temporary Rock Silt Check Type-A.....	
	Temporary Rock Silt Check Type-B.....	
1634.01	Temporary Rock Sediment Dam Type-A.....	
1634.02	Temporary Rock Sediment Dam Type-B.....	
1635.01	Rock Pipe Inlet Sediment Trap Type-A.....	
1635.02	Rock Pipe Inlet Sediment Trap Type-B.....	
1630.04	Stilling Basin.....	
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	
1632.02	Type B.....	
1632.03	Type C.....	
	Skimmer Basin.....	
	Tiered Skimmer Basin.....	



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

**THIS PROJECT HAS  
BEEN DESIGNED TO  
SENSITIVE WATERSHED  
STANDARDS.**

**ENVIRONMENTALLY  
SENSITIVE AREA(S) EXIST  
ON THIS PROJECT**

*Refer To E. C. Special Provisions  
for Special Considerations.*

**TIP PROJECT: B-3538**

**GRAPHIC SCALE**

0

**PLANS**

0

**PROFILE (HORIZONTAL)**

0

**PROFILE (VERTICAL)**

**ROADSIDE ENVIRONMENTAL UNIT  
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA**

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

**2006 STANDARD SPECIFICATIONS**

Roadway Standard Drawings

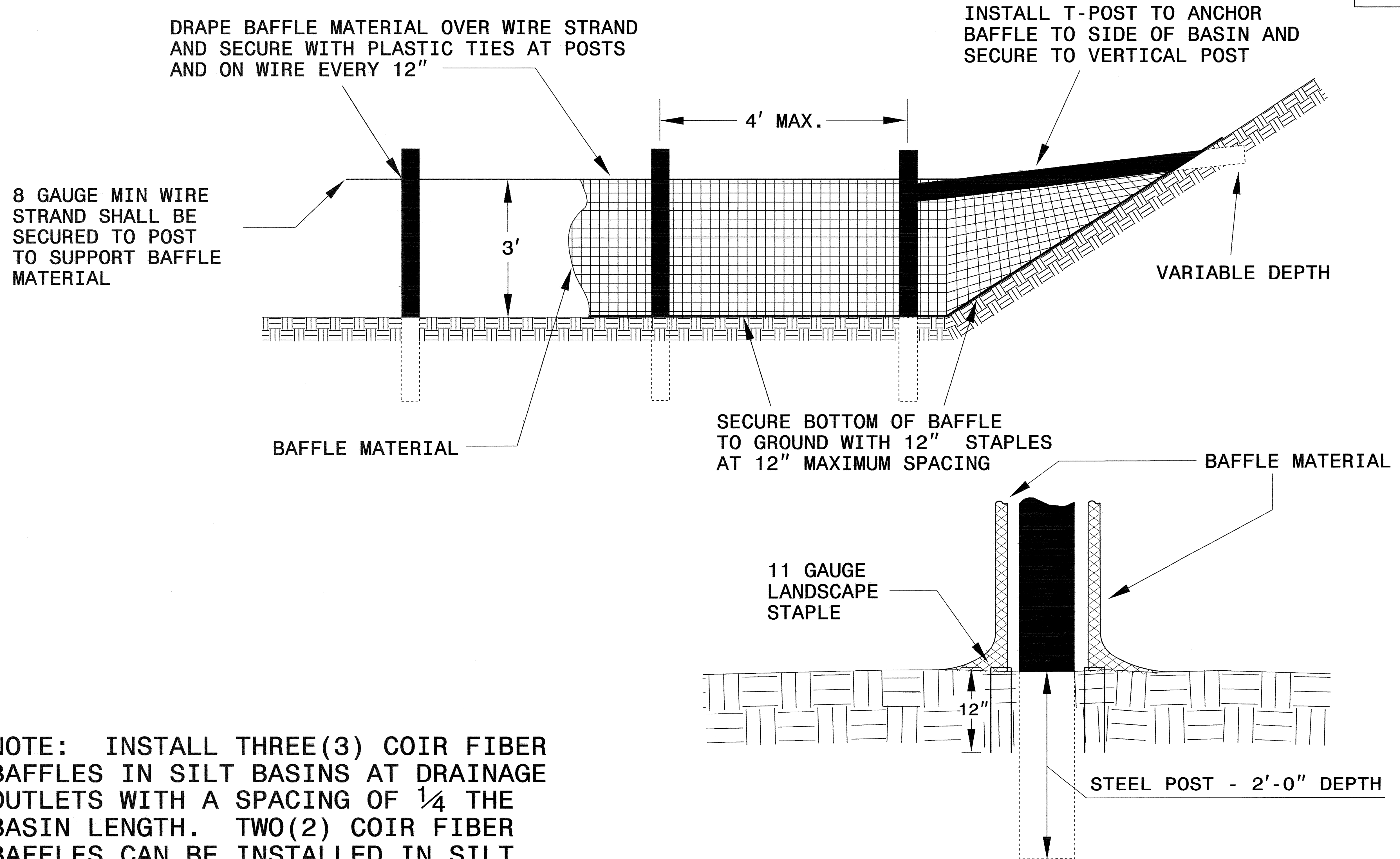
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt 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	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	

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PROJECT REFERENCE NO. B-3538	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER BAFFLE DETAIL



NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AT DRAINAGE OUTLETS WITH A SPACING OF  $\frac{1}{4}$  THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF  $\frac{1}{3}$  THE BASIN LENGTH.

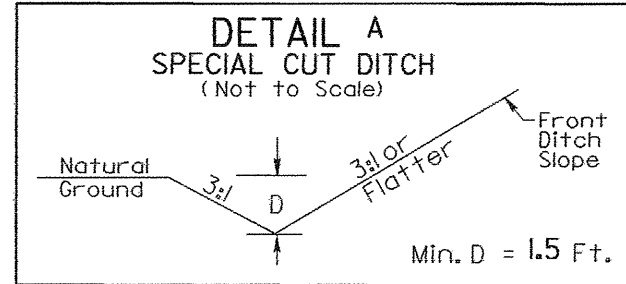
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

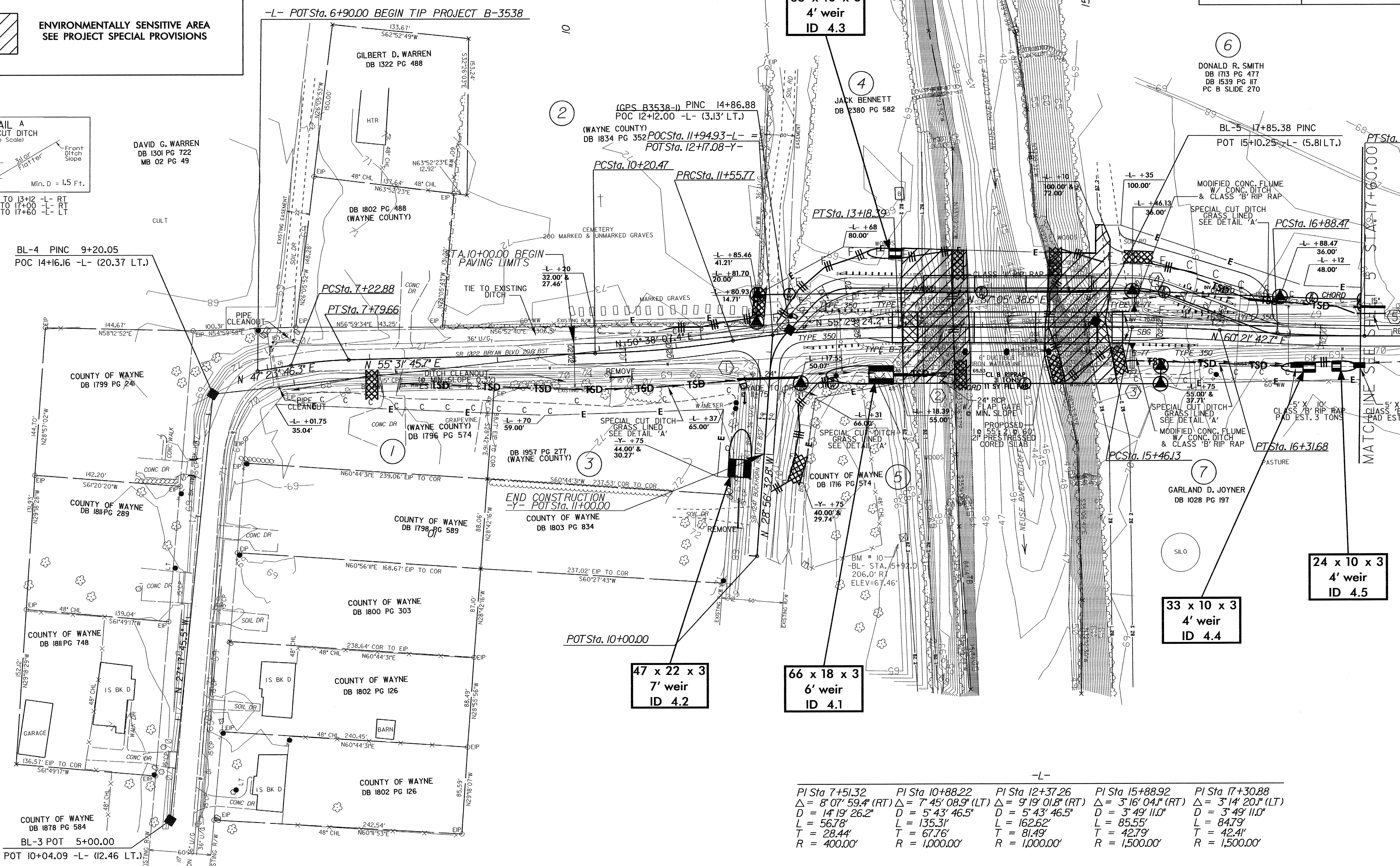
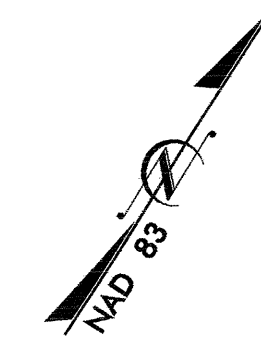
NOTE: UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A AS STILLING BASIN WHERE APPLICABLE.

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

ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS



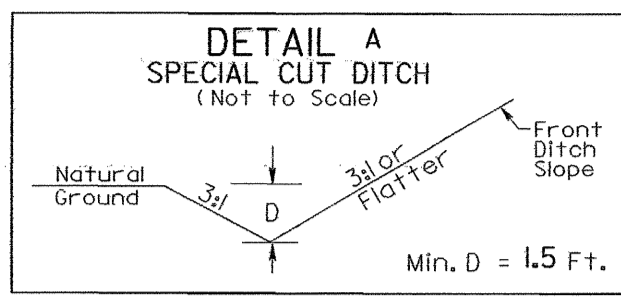
STA. 10+00 TO 13+12 -L- RT  
 STA. 15+25 TO 17+00 -L- RT  
 STA. 15+25 TO 17+60 -L- LT



PI Sta 7+51.32 Δ = 8° 07' 59.4" (RT) D = 14' 19" 26.2" L = 56.78' T = 28.44' R = 400.00'	PI Sta 10+88.22 Δ = 7° 45' 08.9" (LT) D = 5' 43' 46.5" L = 135.31' T = 67.76' R = 1,000.00'	PI Sta 12+37.26 Δ = 9° 19' 01.8" (RT) D = 5' 43' 46.5" L = 162.62' T = 81.49' R = 1,000.00'	PI Sta 15+88.92 Δ = 3° 16' 04.1" (RT) D = 3' 49' 11.0" L = 85.55' T = 42.79' R = 1,500.00'	PI Sta 17+30.88 Δ = 3° 14' 20.1" (LT) D = 3' 49' 11.0" L = 84.79' T = 42.41' R = 1,500.00'
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CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5

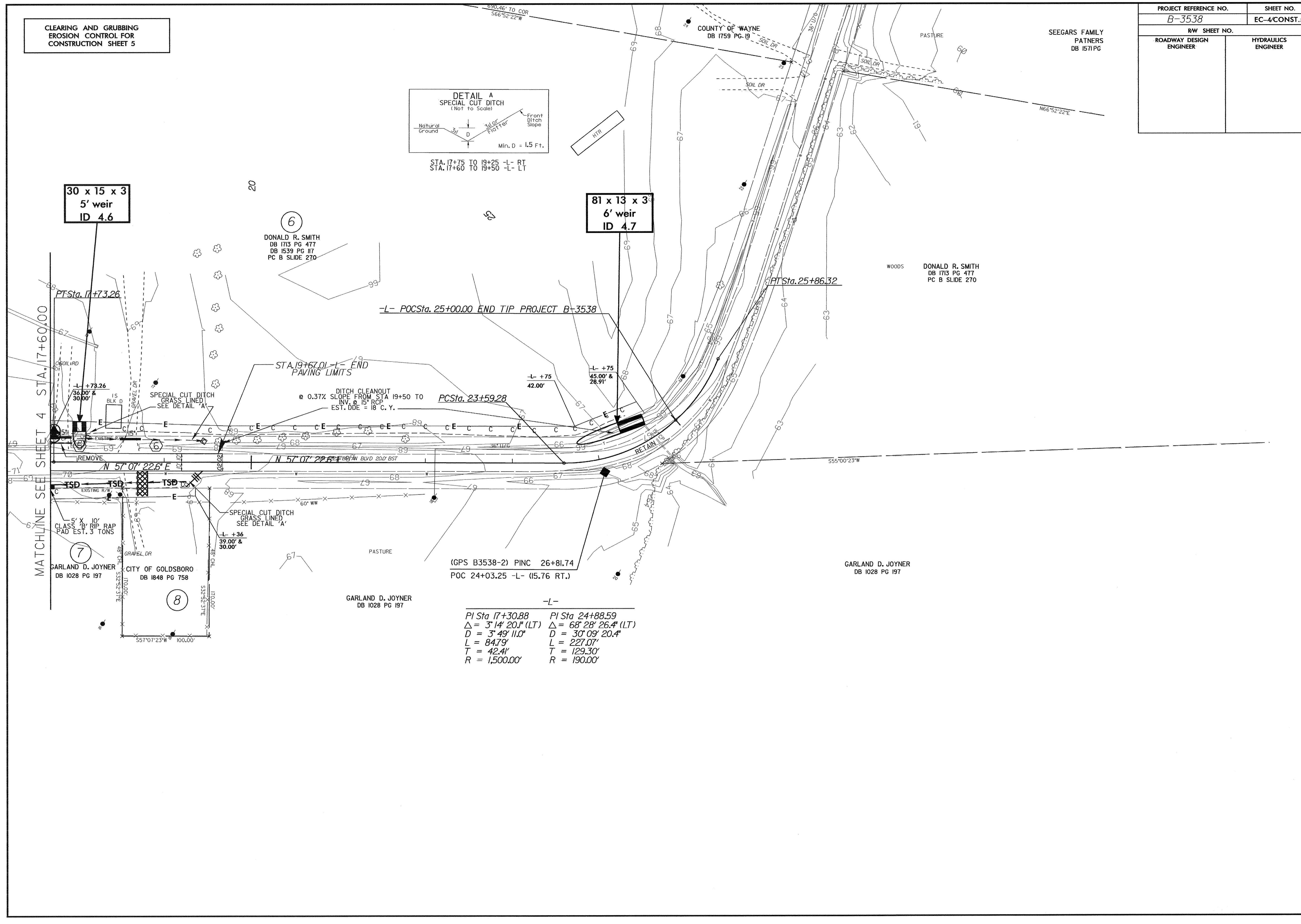
PROJECT REFERENCE NO.	SHEET NO.
B-3538	EC-4/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



STA. 17+75 TO 19+25 -L- RT  
STA. 17+60 TO 19+50 -L- LT

30 x 15 x 3  
5' weir  
ID 4.6

81 x 13 x 3  
6' weir  
ID 4.7



6  
DONALD R. SMITH  
DB 1713 PG 477  
DB 1539 PG 117  
PC B SLIDE 270

WOODS  
DONALD R. SMITH  
DB 1713 PG 477  
PC B SLIDE 270

7  
GARLAND D. JOYNER  
DB 1028 PG 197

8  
CITY OF GOLDSBORO  
DB 1848 PG 758

GARLAND D. JOYNER  
DB 1028 PG 197

GARLAND D. JOYNER  
DB 1028 PG 197

PCSSta. 23+59.28

(GPS B3538-2) PINC 26+81.74  
POC 24+03.25 -L- (15.76 RT.)

-L-  
PI Sta 17+30.88 PI Sta 24+88.59  
 $\Delta = 3^{\circ}14'20.1''$  (LT)  $\Delta = 68^{\circ}28'26.4''$  (LT)  
 $D = 3^{\circ}49'11.0''$   $D = 30^{\circ}09'20.4''$   
 $L = 84.79'$   $L = 227.07'$   
 $T = 42.41'$   $T = 129.30'$   
 $R = 1,500.00'$   $R = 190.00'$

MATCHLINE SEE SHEET 4 STA. 17+60/00

PTSta. 17+73.26

L +73.26

N 57°07'22.6"E

REMOVE

EXISTING R/W

5' X 10' CLASS 8 RIP RAP PAD EST. 3 TONS

GRAVEL DR

170.00'

170.00'

557°07'23"W

100.00'

170.00'

170.00'

557°07'23"W

100.00'

170.00'

170.00'

557°07'23"W

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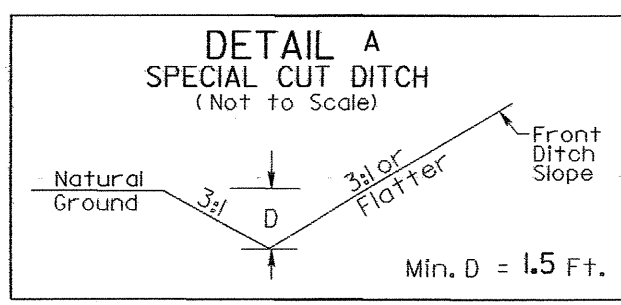
170.00'

170.00'

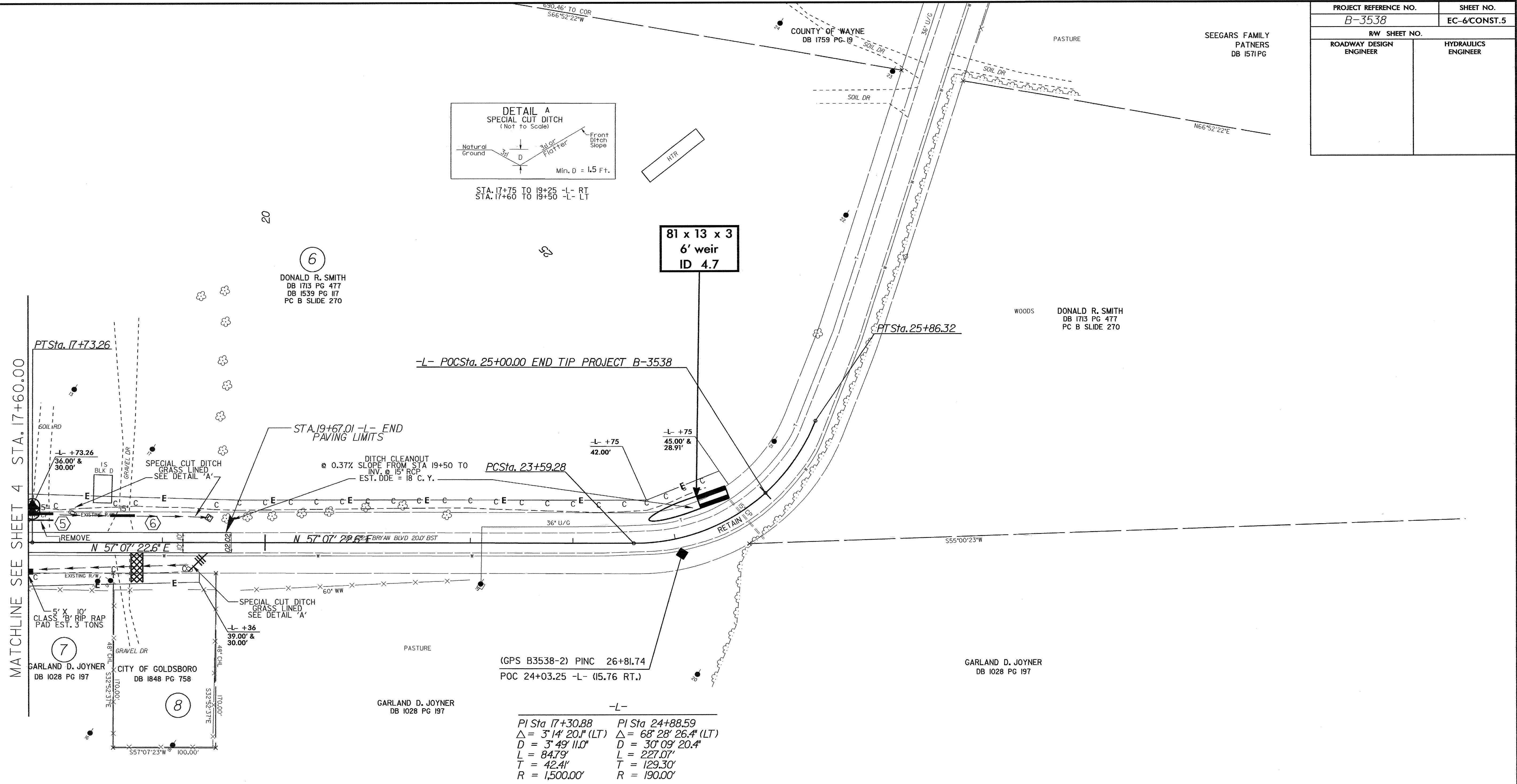
557°07'23"W



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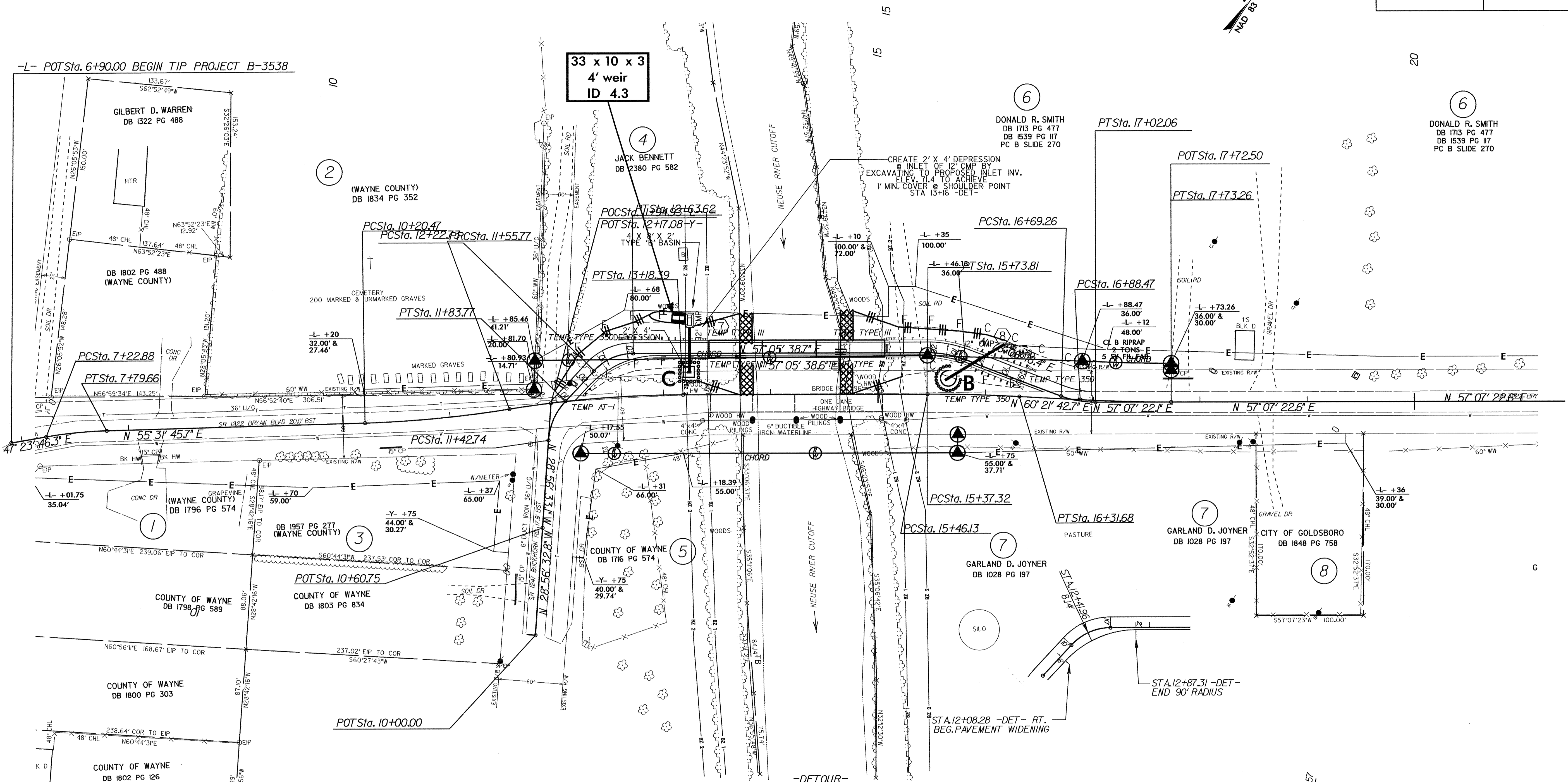
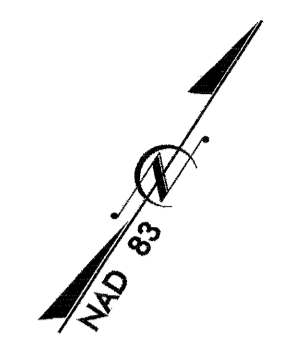
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NOTE:  
UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.

# DETOUR



PI Sta 12+44.40 Δ = 46° 51' 21.6" (RT) D = 114' 35" 29.6" L = 40.89' T = 21.67' R = 50.00'	PI Sta 11+64.10 Δ = 39° 10' 50.1" (RT) D = 95' 29' 34.7" L = 41.03' T = 21.35' R = 60.00'	PI Sta 15+55.77 Δ = 20° 54' 39.8" (RT) D = 57' 17' 44.8" L = 36.50' T = 18.45' R = 100.00'	PI Sta 16+85.84 Δ = 20° 52' 56.4" (LT) D = 63' 39' 43.1" L = 32.80' T = 16.58' R = 90.00'
PI Sta 7+51.32 Δ = 8° 07' 59.4" (RT) D = 14' 19' 26.2" L = 56.78' T = 28.44' R = 400.00'	PI Sta 10+88.22 Δ = 7° 45' 08.9" (LT) D = 5' 43' 46.5" L = 135.31' T = 67.76' R = 1,000.00'	PI Sta 12+37.26 Δ = 9° 19' 01.8" (RT) D = 5' 43' 46.5" L = 162.62' T = 81.49' R = 1,000.00'	PI Sta 15+88.92 Δ = 3° 16' 04.1" (RT) D = 3' 49' 11.0" L = 85.55' T = 42.79' R = 1,500.00'
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