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with their signature on that page.**

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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3159	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

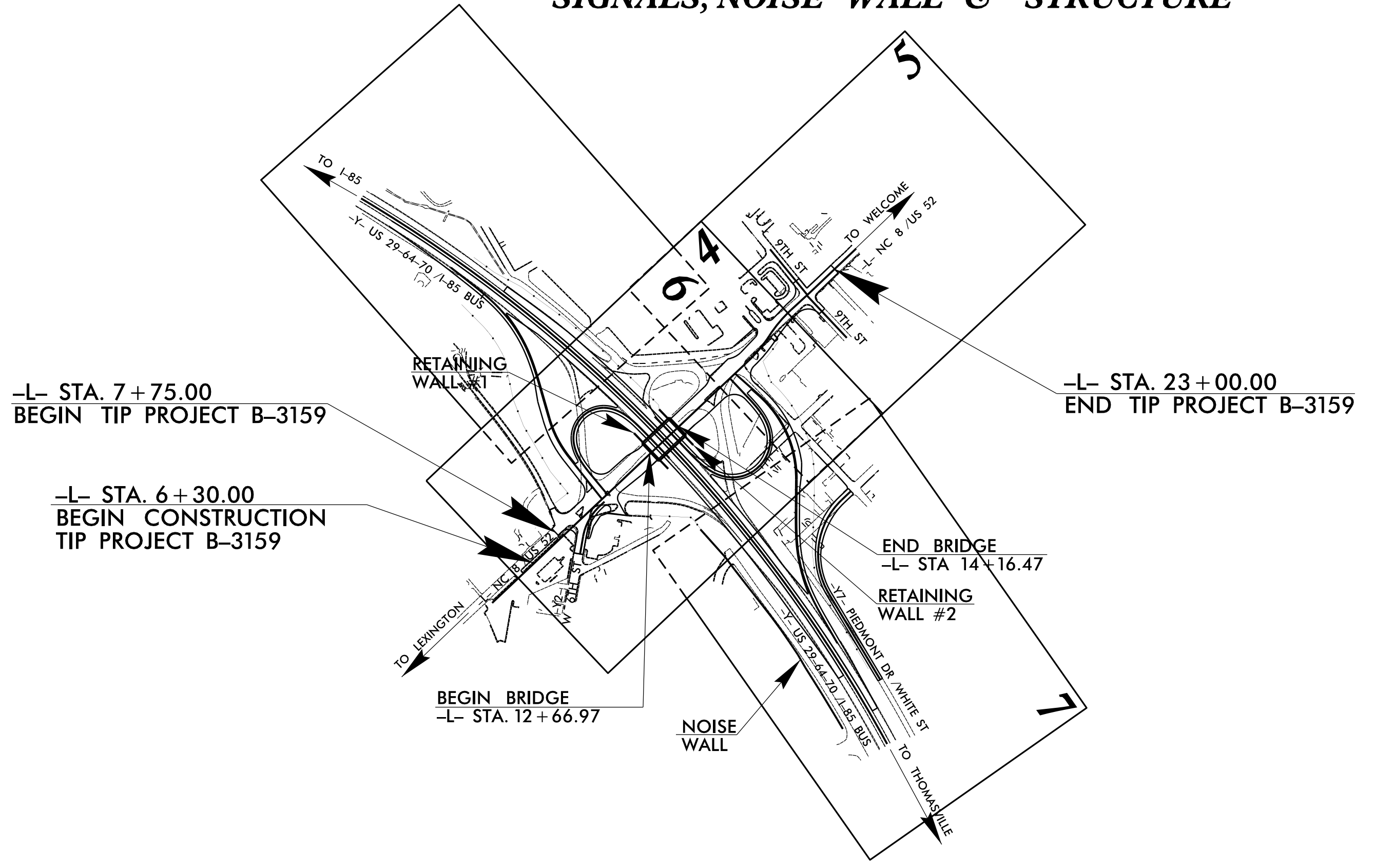
**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	~ ~ ~ ~ ~
1622.01	Temporary Berms and Slope Drains	— T —
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	A [Symbol]
1632.02	Type B	B [Symbol]
1632.03	Type C	C [Symbol]
	Skimmer Basin	[Symbol]
	Tiered Skimmer Basin	[Symbol]
	Infiltration Basin	[Symbol]

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

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 PLAN FOR PROPOSED  
 HIGHWAY EROSION CONTROL  
**DAVIDSON COUNTY**

**LOCATION: BRIDGE NO. 27 OVER US 29-64-70 / I-85 BUS LOOP ON NC 8 / US 52**  
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, RETAINING WALL, SIGNALS, NOISE WALL & STRUCTURE**



**TIP PROJECT: B-3159**

**GRAPHIC SCALE**

0 [Scale Bar]

PLANS

0 [Scale Bar]

PROFILE (HORIZONTAL)

0 [Scale Bar]

PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT  
 DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

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

2012 STANDARD SPECIFICATIONS

Designed by:  
**Alyson Tamer** 3460  
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

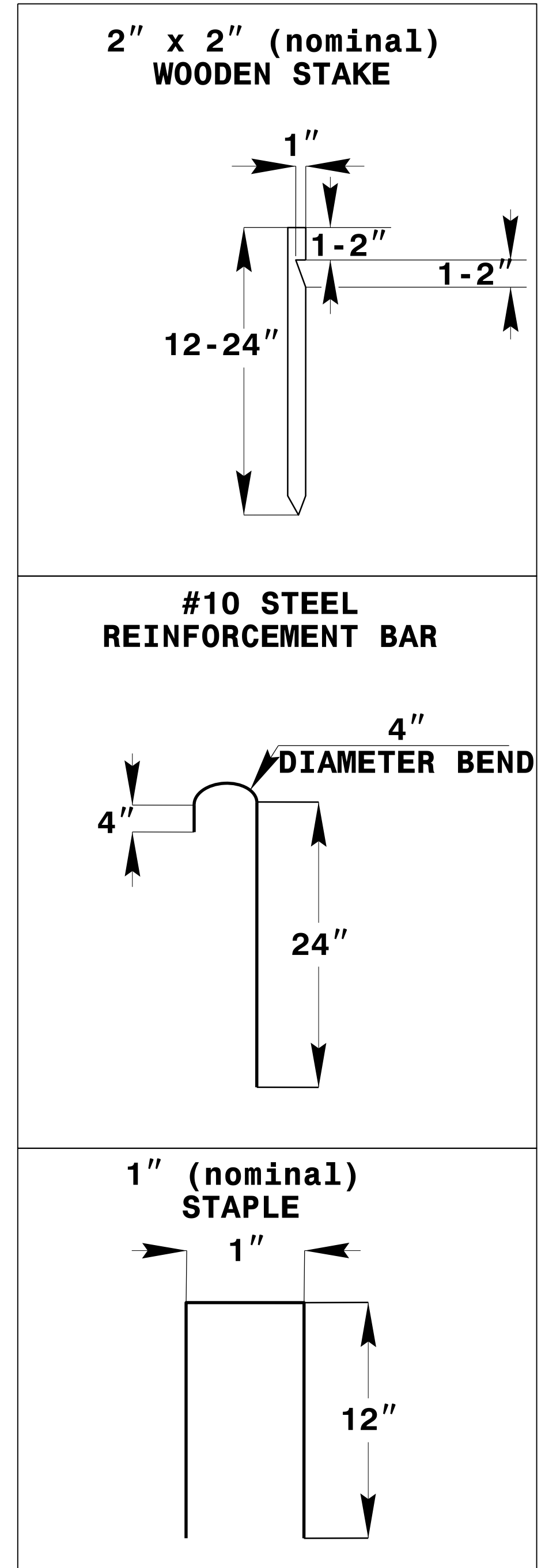
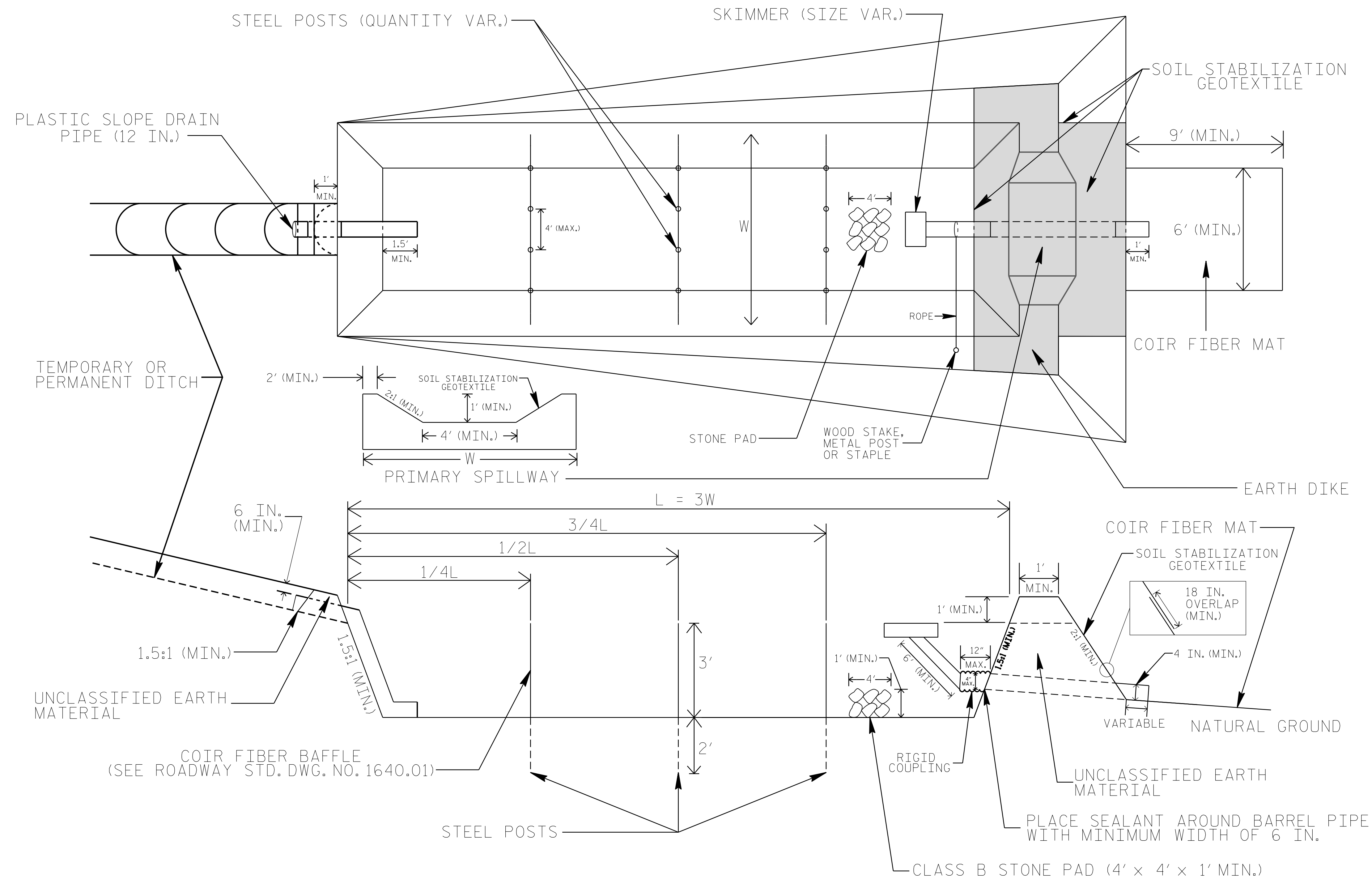
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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	

RA\_0-JUL-2015\_13159  
 at tamer, PLOT: REVISIONS  
 04/13/15 10:28:58 AM

PROJECT REFERENCE NO. B-3159	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# SKIMMER BASIN WITH BAFFLES DETAIL



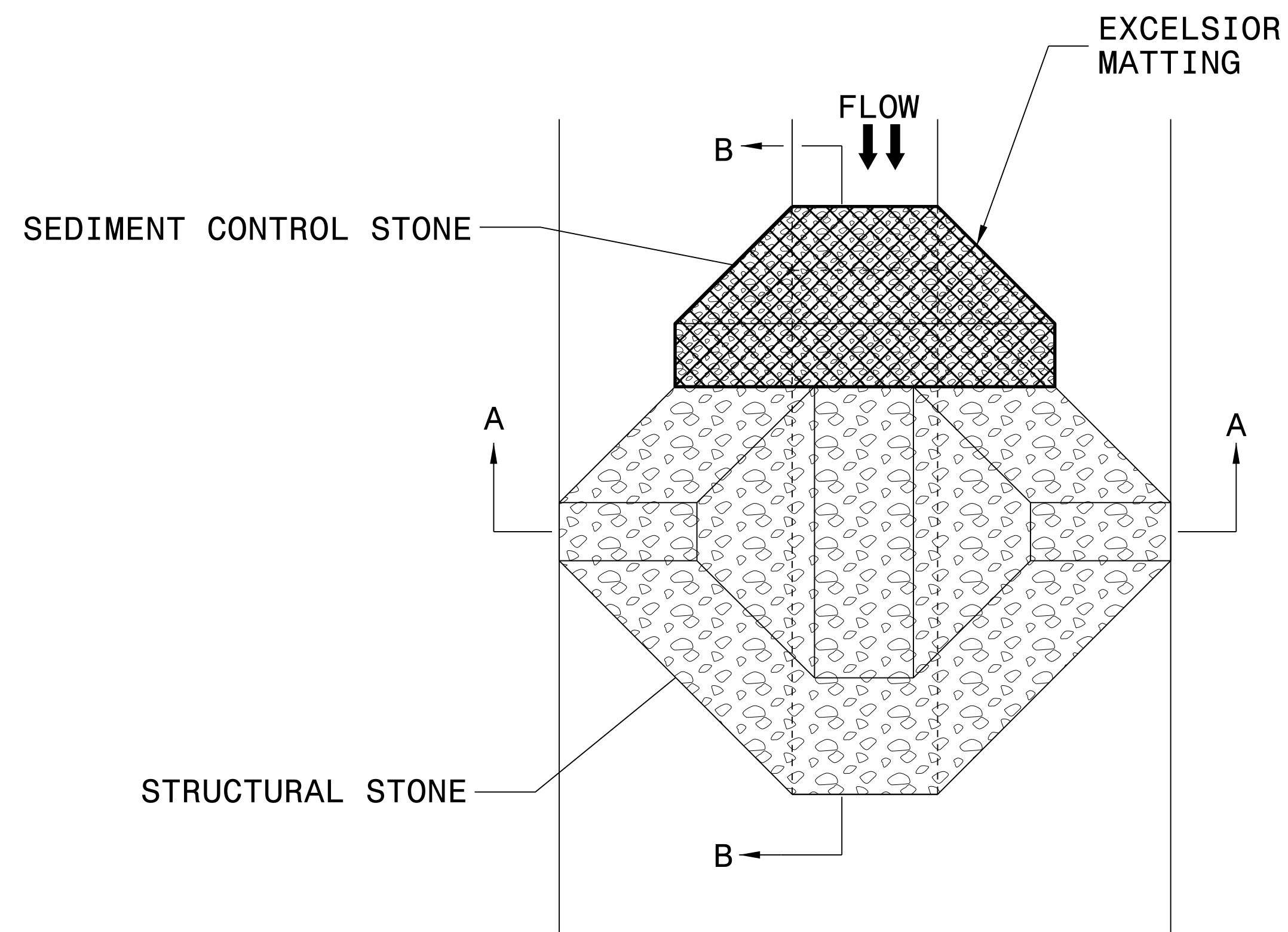
## NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING  $Q/0.8$ , WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

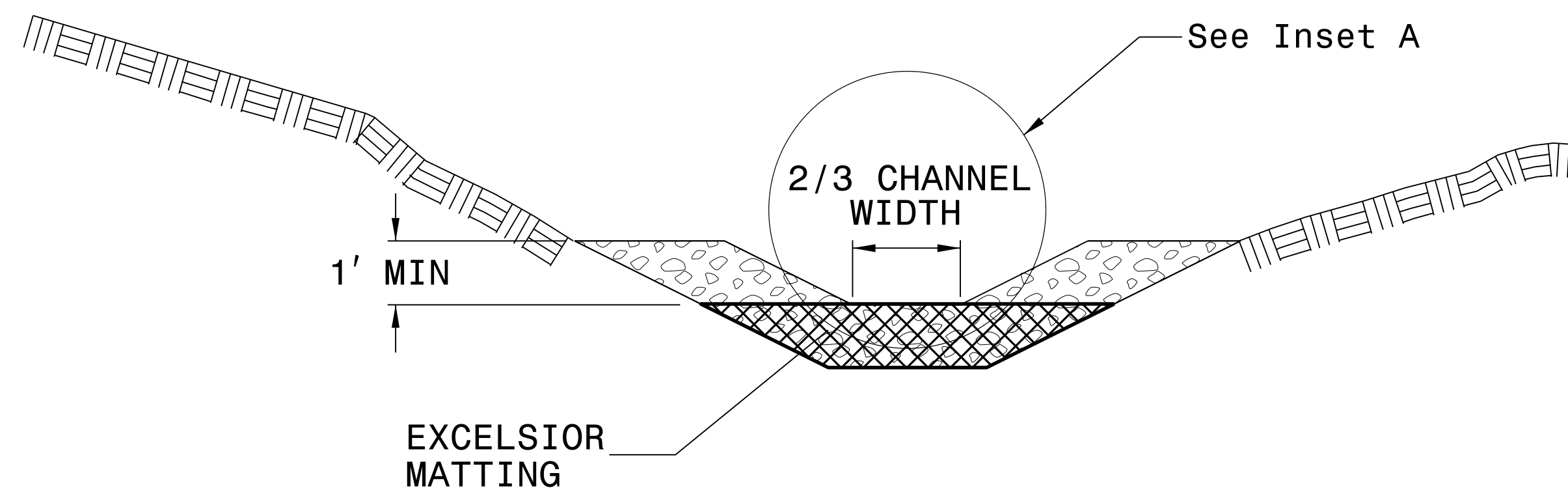
NOT TO SCALE

PROJECT REFERENCE NO. B-3159	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



PLAN



SECTION A-A

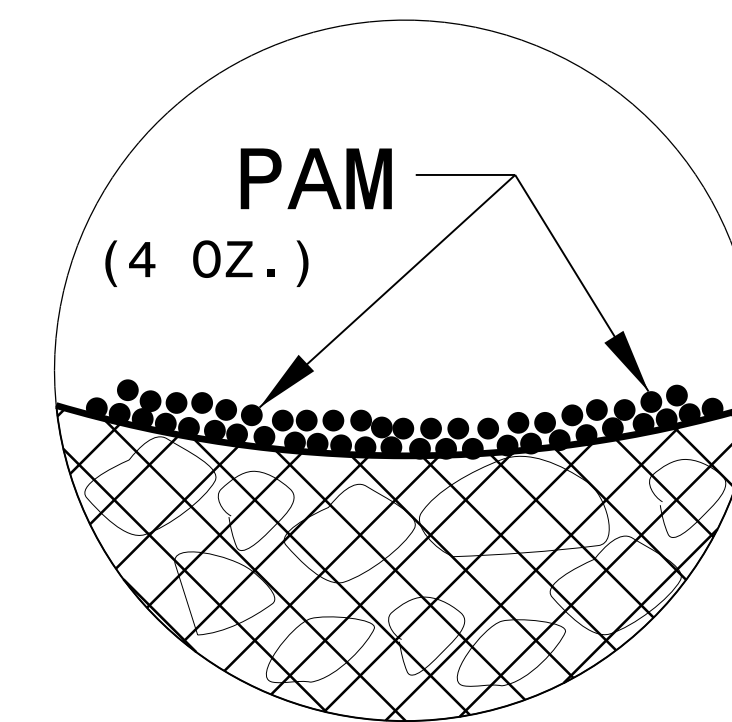
## NOTES:

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

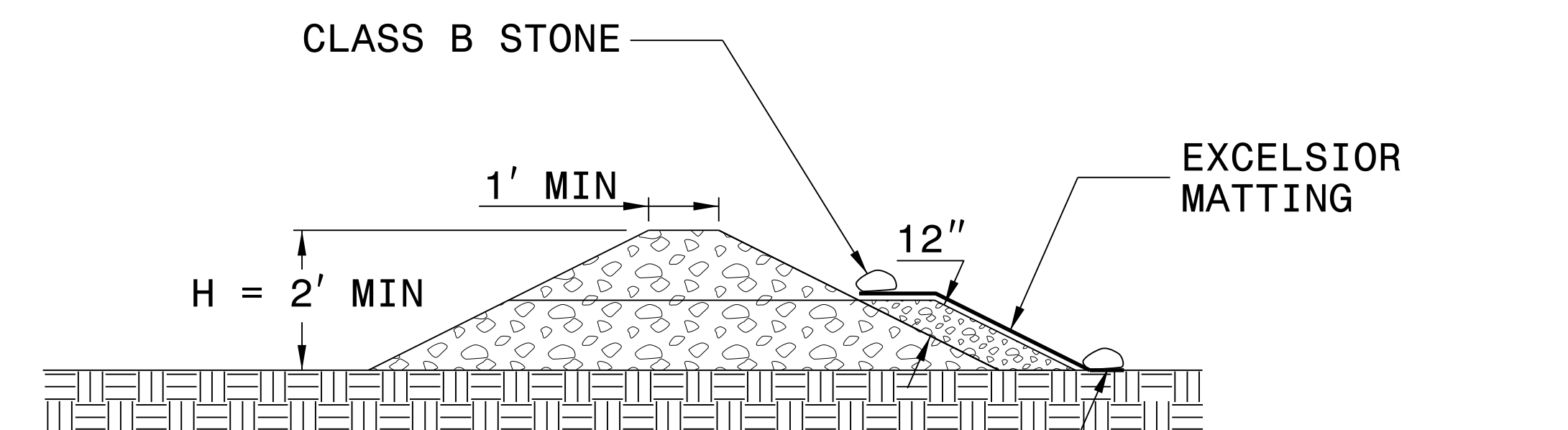
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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

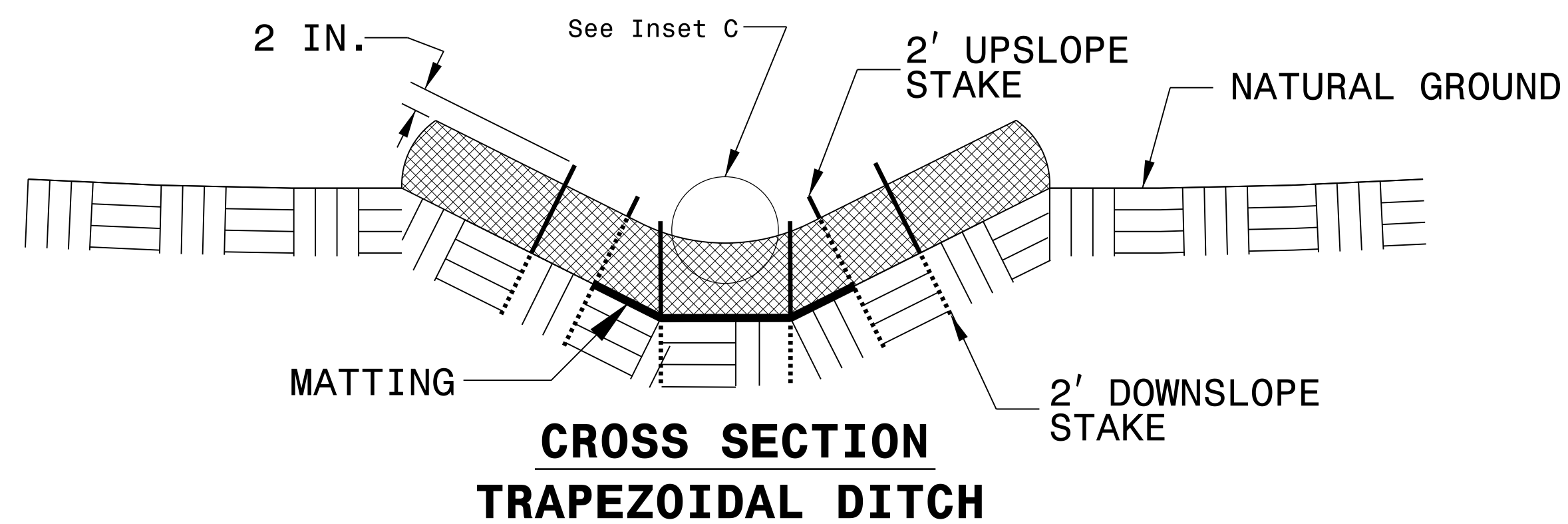
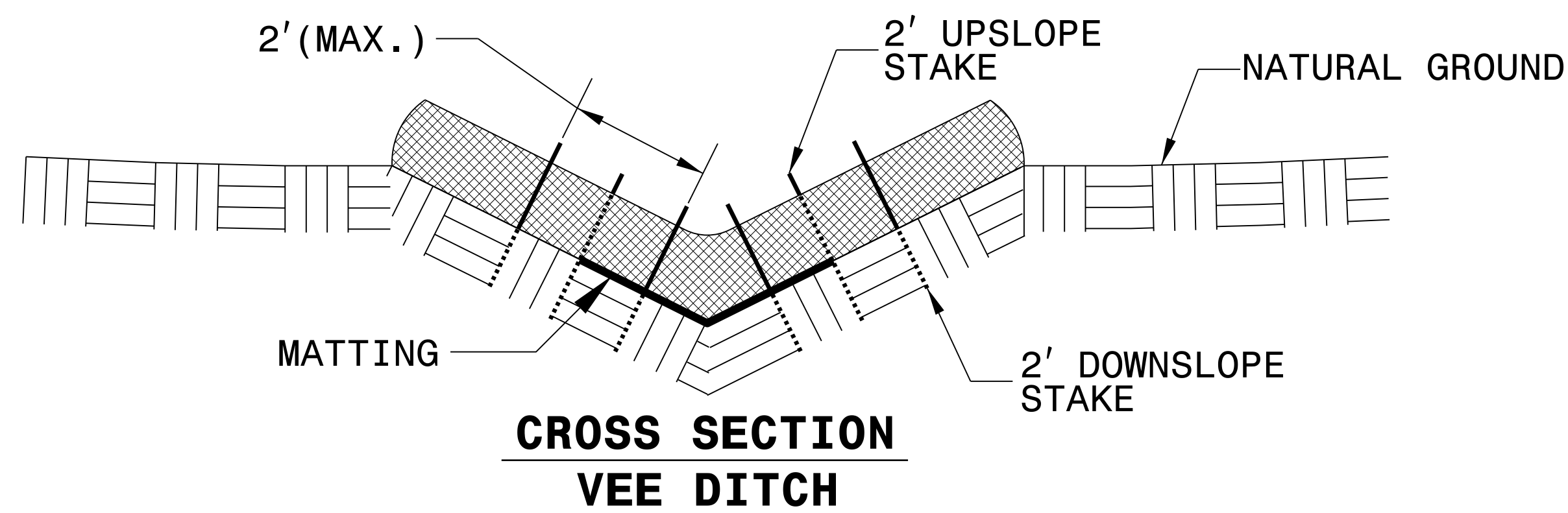
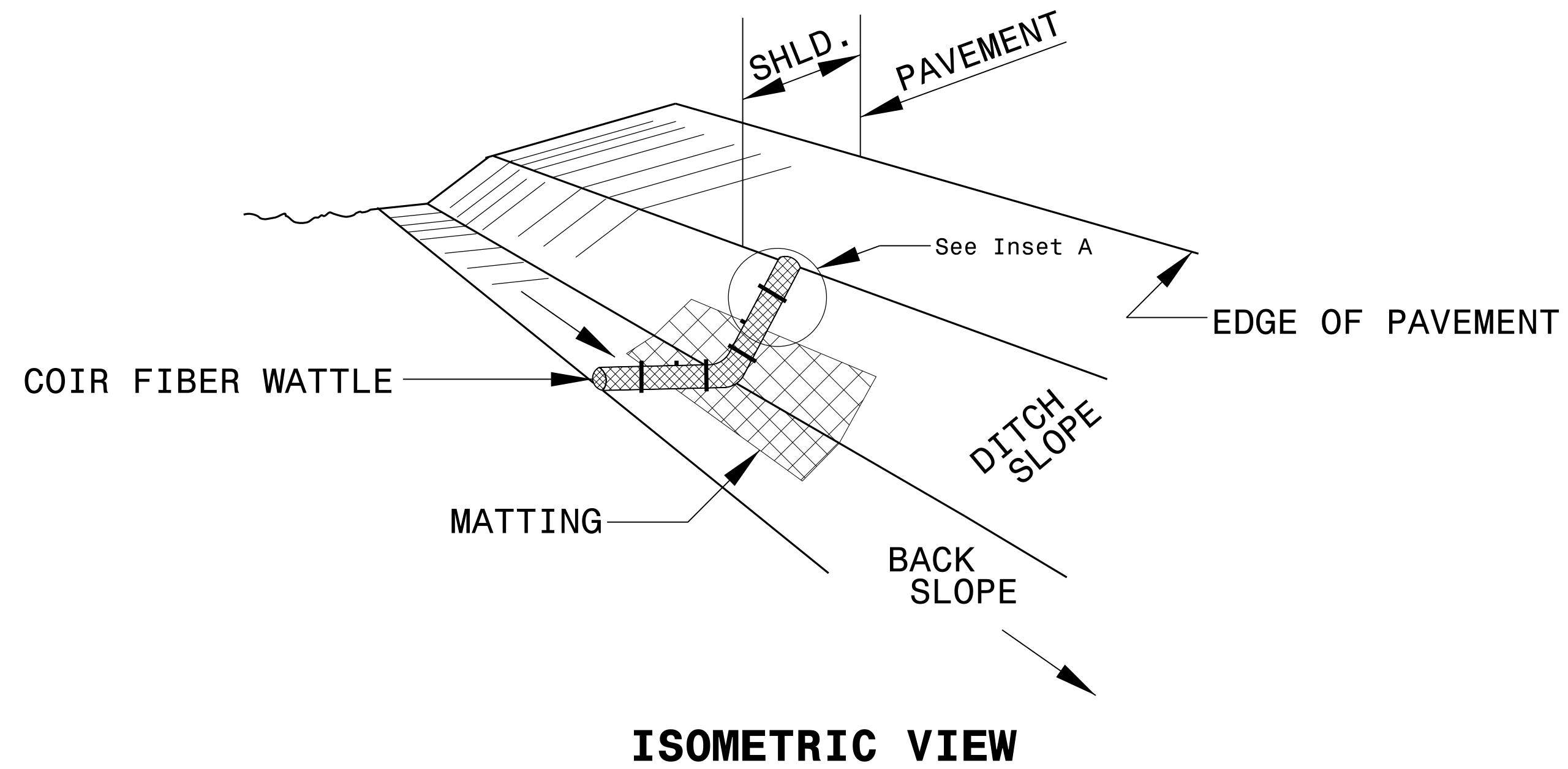


SECTION B-B

NOT TO SCALE

PROJECT REFERENCE NO. B-3159	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



**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.

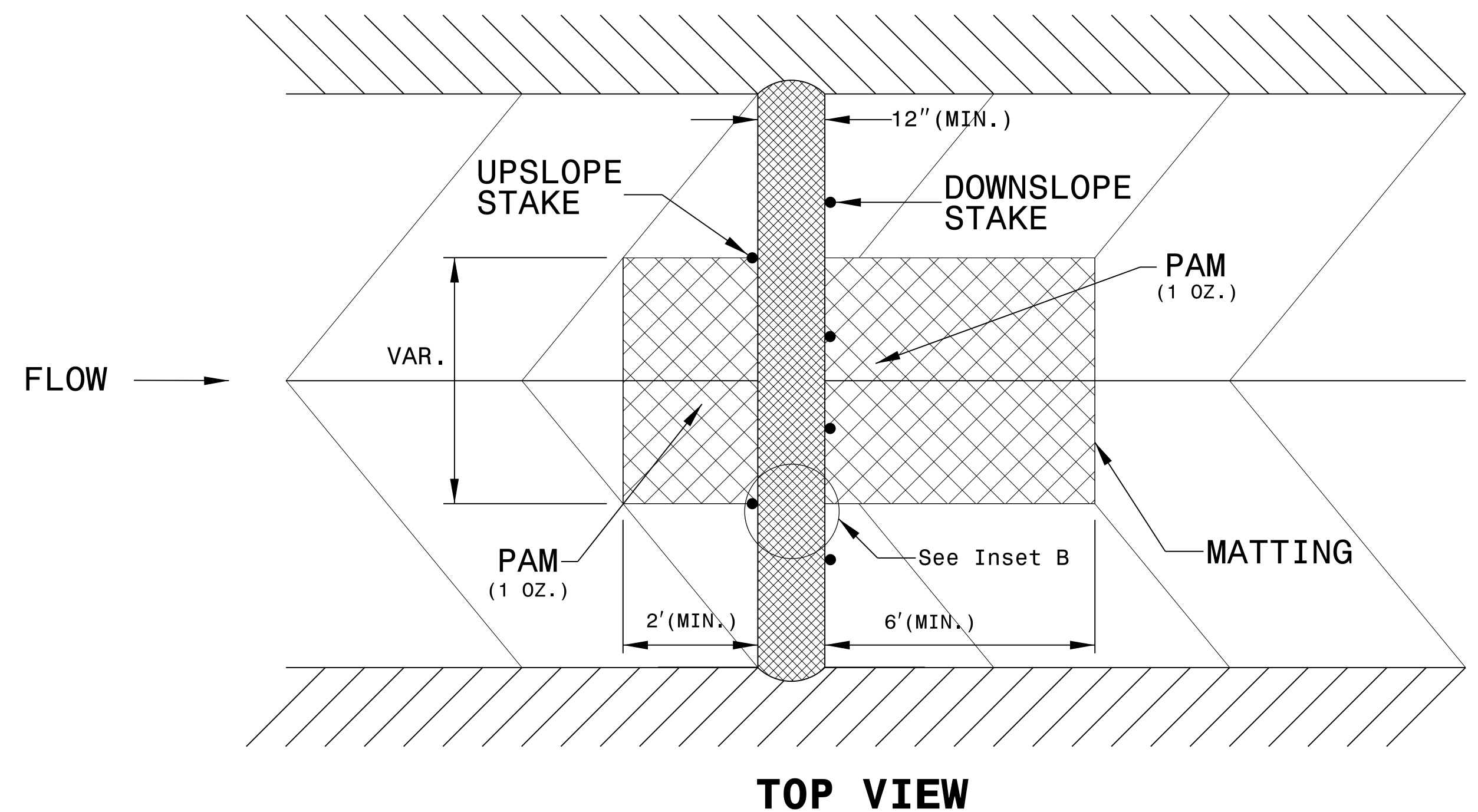
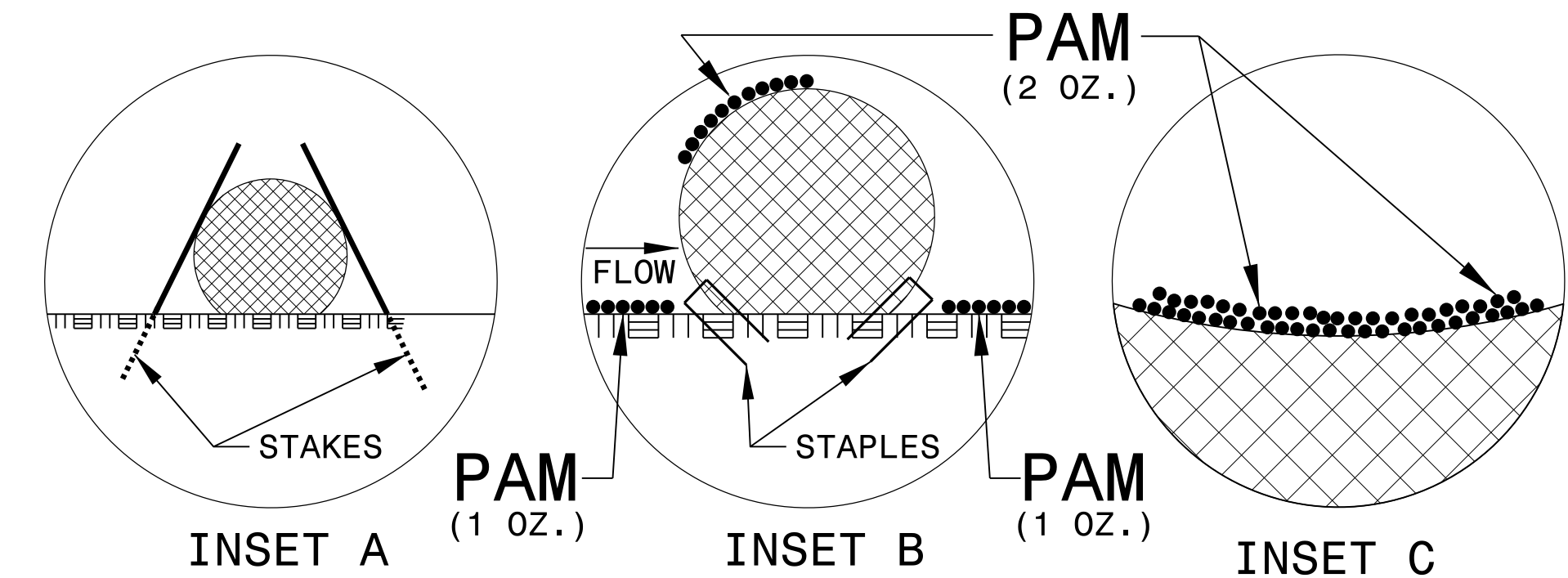
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

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 WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.





DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>B-3159</i>	SHEET NO. <i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

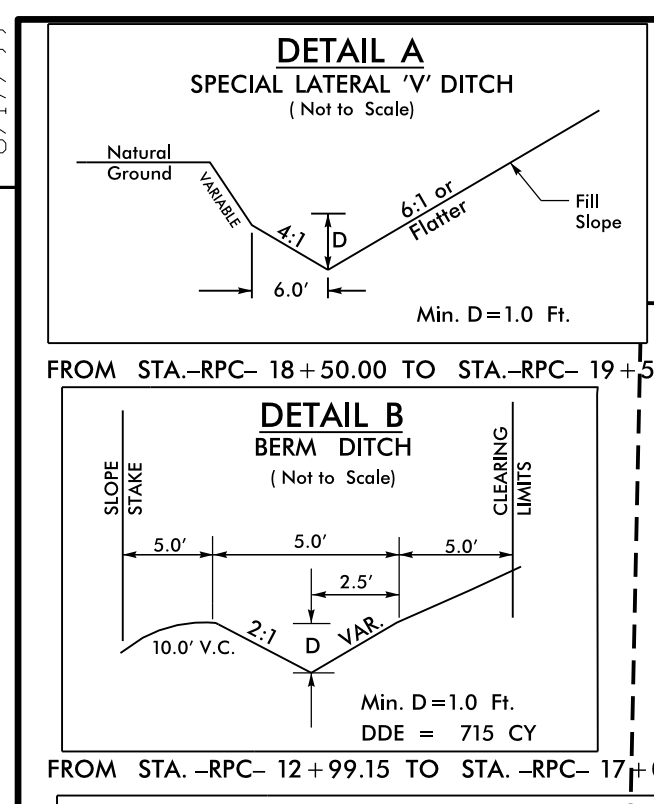
# ***SOIL STABILIZATION TIMEFRAMES***

<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.

PROJECT REFERENCE NO. B-3159		SHEET NO. EC-4/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

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.



BEGIN TIP PROJECT B-3159  
-L- POT STA 7+75.00  
-L- POT STA 7+00.00

JOHN L. PALMER  
MADELINE R. PALMER  
DB 224 PG 477  
DB 615 PG 444  
PB 4 PG 68

BEGIN CONSTRUCTION  
TIP PROJECT B-3159  
-L- POT STA 6+30.00

JOHN BURTON HELMS  
LARRY R. HELMS  
DB 152 PG 101  
DB 153 PG 102  
PB 4 PG 68

BODDIE-NOELL  
ENTERPRISES, INC.  
DB 666 PG 820  
DB 667 PG 821  
PB 5 PG 21

MARCHEL S. SWINEGOOD  
DB 183 PG 42  
DB 184 PG 43  
PB 5 PG 21

JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

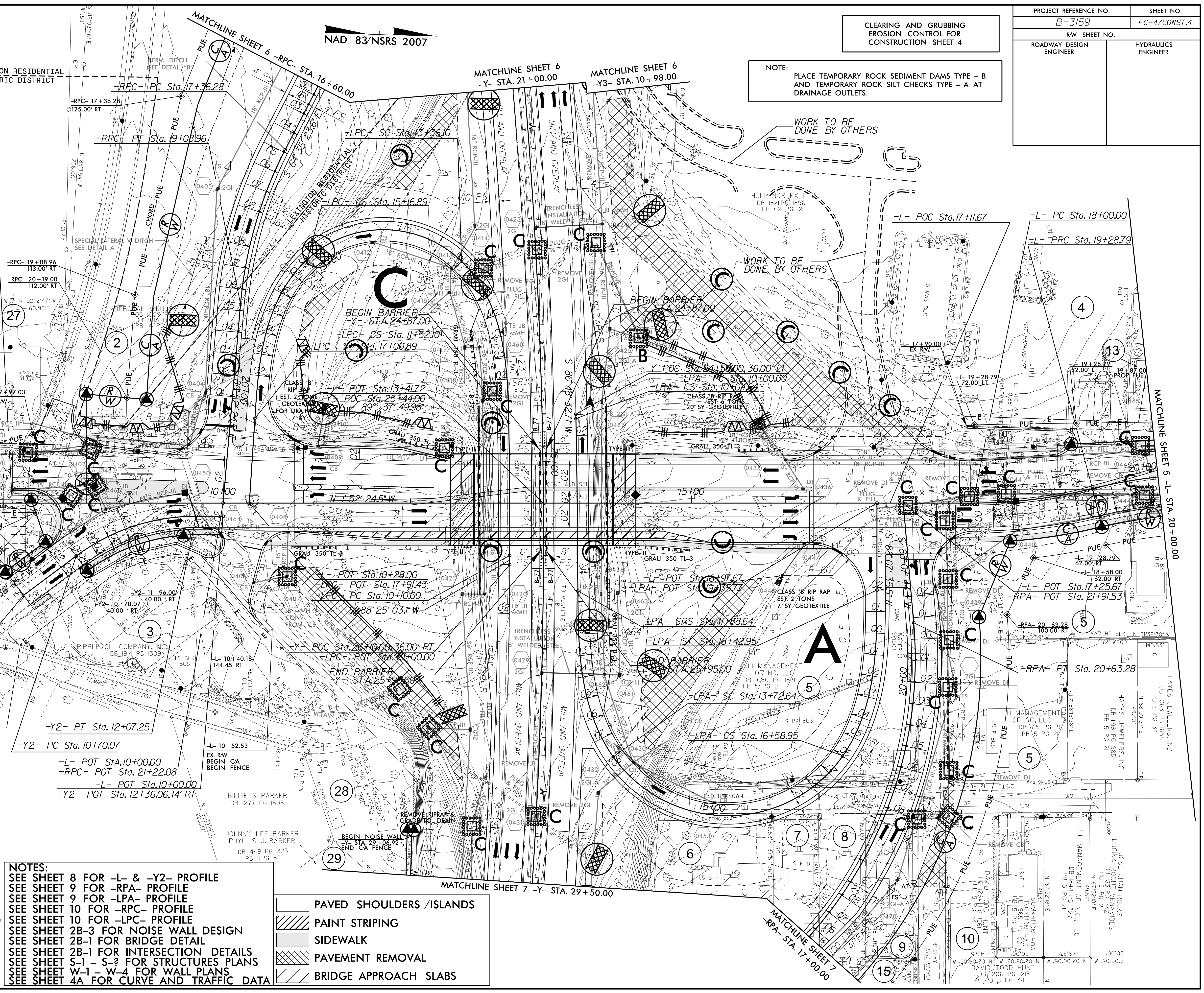
JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

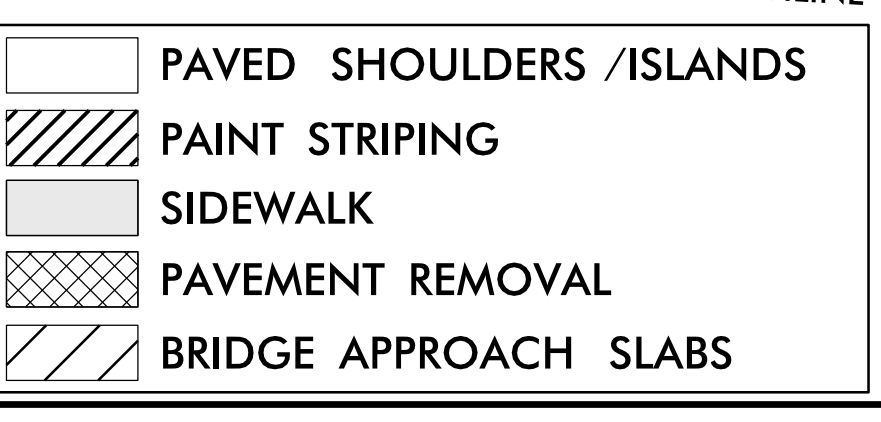
JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89

JOHN LEE BARKER  
PHYLLIS J. BARKER  
DB 449 PG 323  
PB 11 PG 89



NOTES:  
SEE SHEET 8 FOR -L- & -Y2- PROFILE  
SEE SHEET 9 FOR -RPA- PROFILE  
SEE SHEET 9 FOR -LPA- PROFILE  
SEE SHEET 10 FOR -RPC- PROFILE  
SEE SHEET 10 FOR -LPC- PROFILE  
SEE SHEET 2B-3 FOR NOISE WALL DESIGN  
SEE SHEET 2B-1 FOR BRIDGE DETAIL  
SEE SHEET 2B-1 FOR INTERSECTION DETAILS  
SEE SHEET S-1 - S-2 FOR STRUCTURES PLANS  
SEE SHEET W-1 - W-4 FOR WALL PLANS  
SEE SHEET 4A FOR CURVE AND TRAFFIC DATA



Note: A concrete ditch detail for the ditches conveying drainage behind the proposed MSE wall are included in the Geotechnical Wall Plans.  
Drainage pickup structures will be applied at appropriate locations at the toe of the MSE wall to collect ditch flow.

Sta -Y- 24+39 to 24+84.99 (right)  
Sta -Y- 25+93.96 to 26+37.38 (right)  
Sta -Y- 24+42 to 24+88.32 (left)  
Sta -Y- 25+93.73 to 26+35.67 (left)

REVISIONS

8/17/99  
20-JUL-2015 08:02  
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Author: AT  
Printer: AT



PROJECT REFERENCE NO. B-3159	SHEET NO. EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

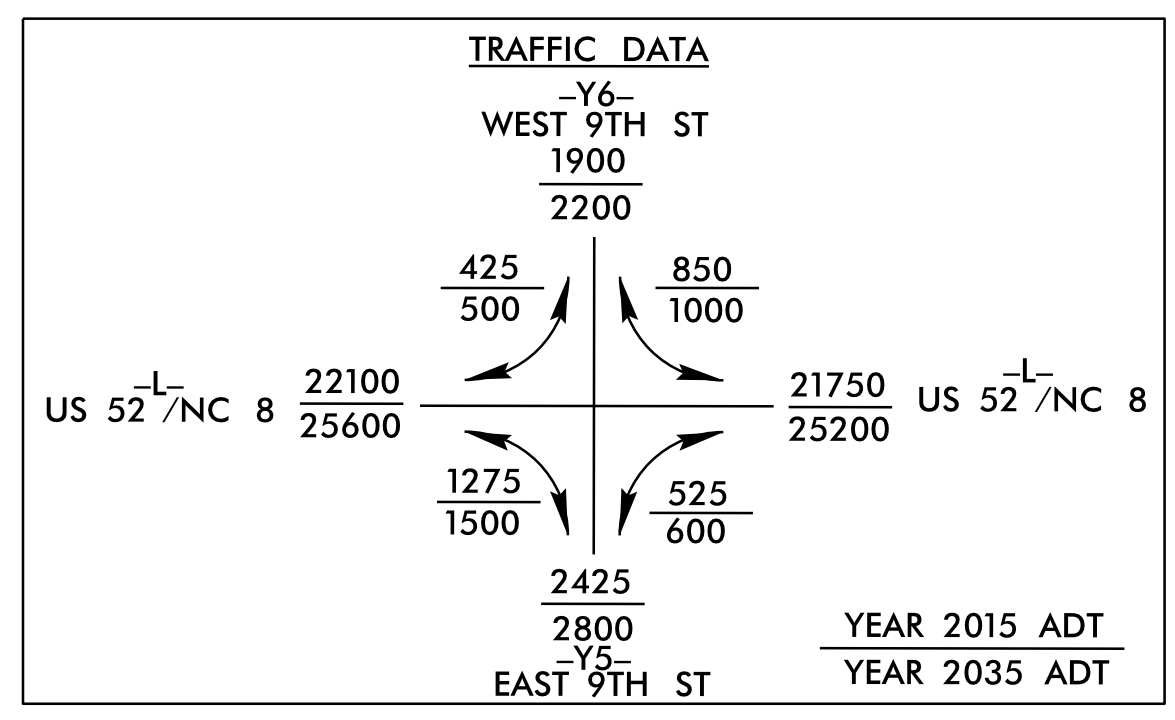
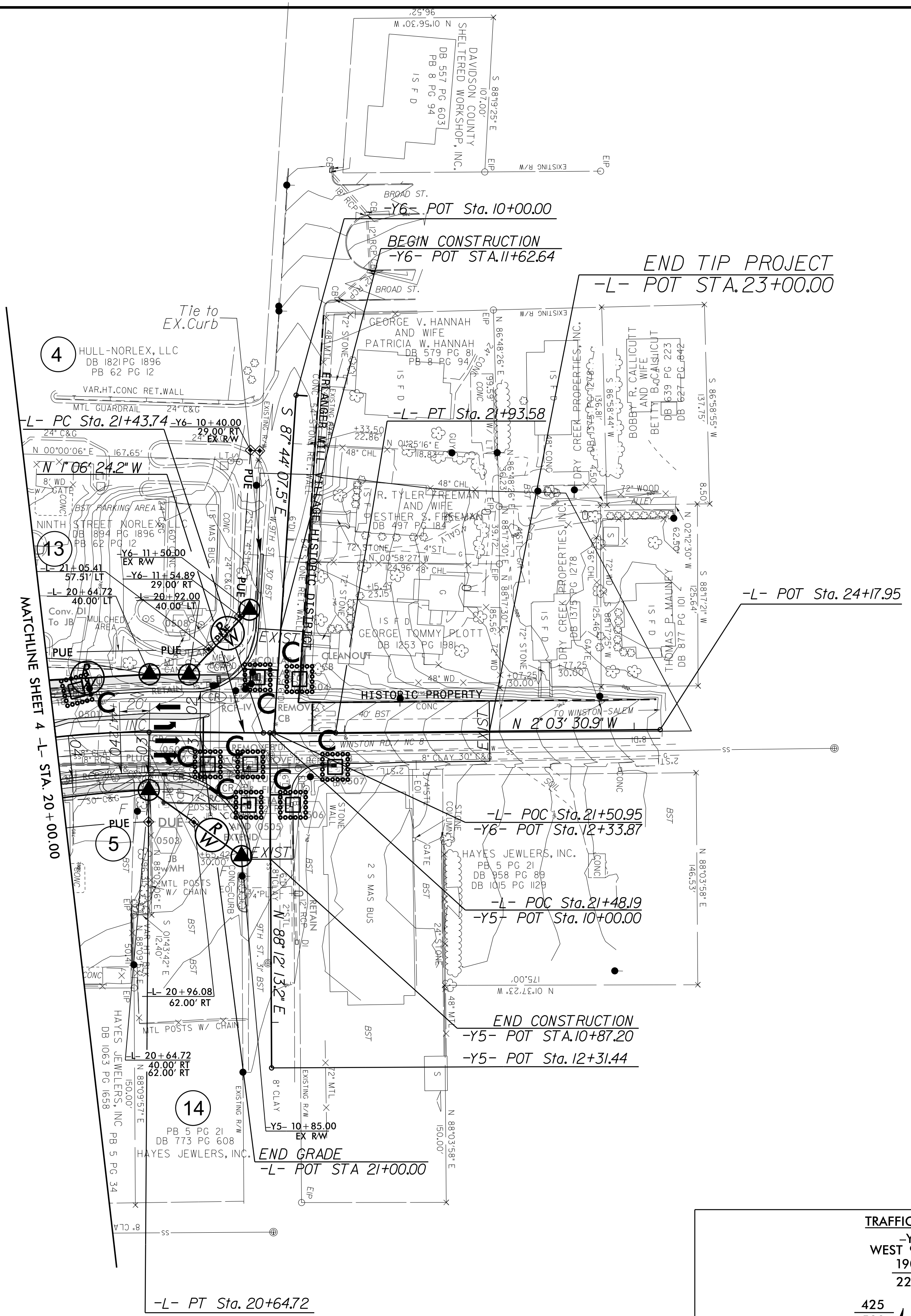
NAD 83/NSRS 2007

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5

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

-L-  

PI Sta 19+97.13	PI Sta 21+68.66
$\Delta = 14' 36" 42.4" (RT)$	$\Delta = 0' 57" 06.7" (LT)$
$D = 10' 44" 58.8"$	$D = 1' 54" 35.5"$
$L = 135.93'$	$L = 49.84'$
$T = 68.33'$	$T = 24.92'$
$R = 533.00'$	$R = 3,000.00'$
SE = SEE PLANS	SE = SEE PLANS



ISLANDS  
SIDEWALK  
NOTES:  
SEE SHEET 8 FOR -L- PROFILE  
SEE SHEET 2B-1 FOR INTERSECTION DETAIL

8/17/99

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. B-3159	SHEET NO. EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

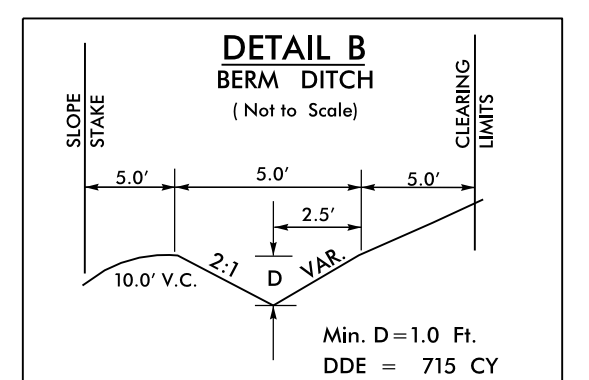
NAD 83/NSRS 2007

**-RPC-**

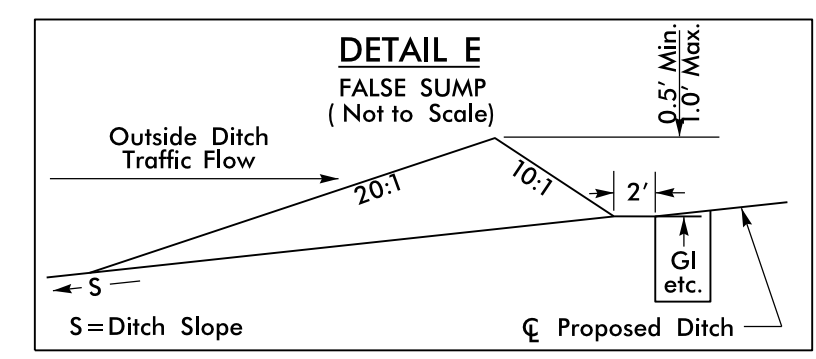
PIs Sta 11+97.82	PI Sta 13+50.37	PIs Sta 15+01.75
$\Theta_s = 8^\circ 58' 47.7''$	$\Delta = 17^\circ 41' 38.5''$ (RT)	$\Theta_s = 8^\circ 58' 47.7''$
Ls = 184.00'	D = 9' 45" 38.8"	Ls = 184.00'
LT = 122.82'	L = 181.28'	LT = 122.82'
ST = 61.48'	T = 91.37'	ST = 61.48'
	R = 587.00'	
	SE = .08	

**-Y-**

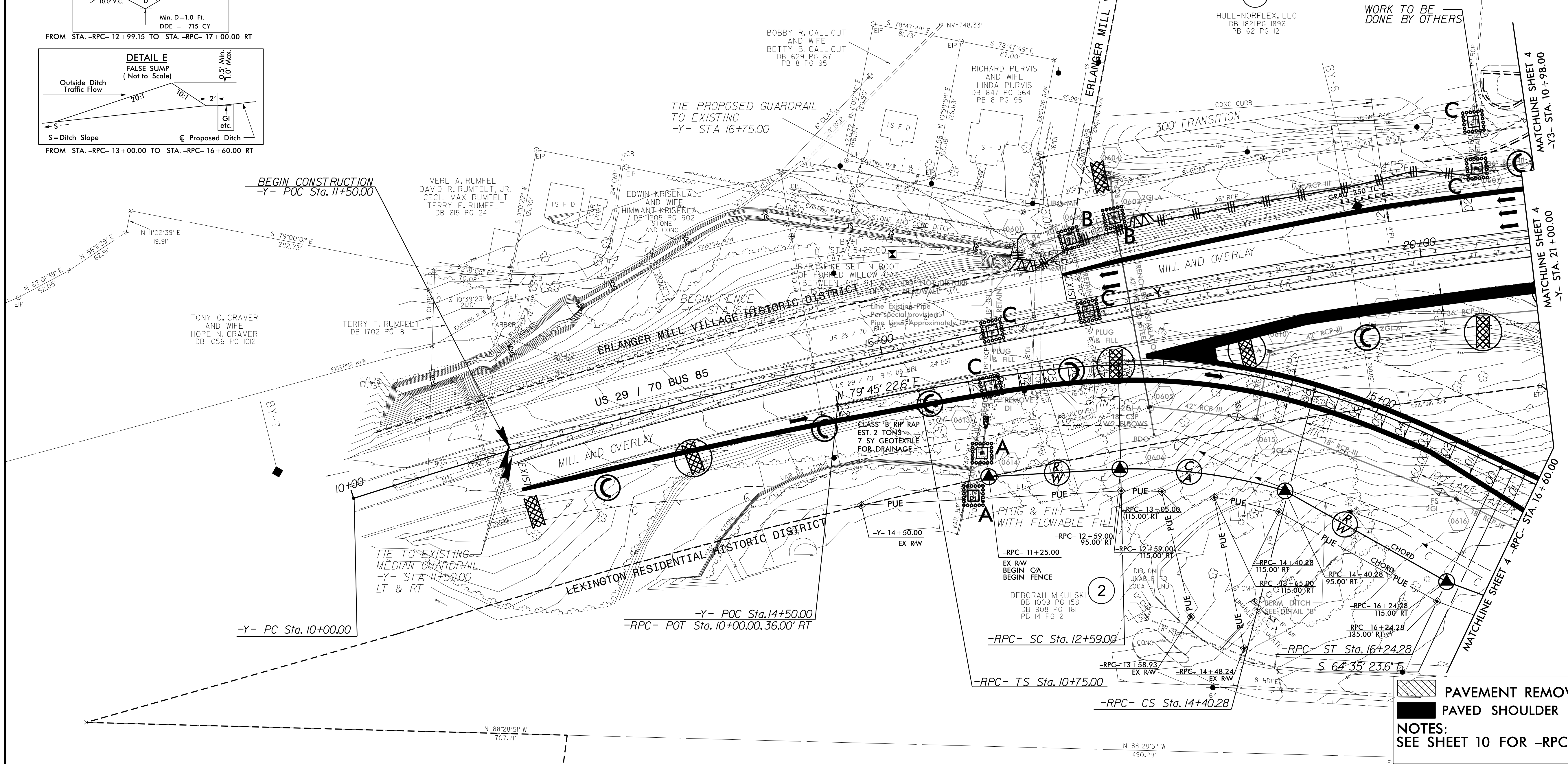
PI Sta 25+58.78
$\Delta = 30^\circ 35' 22.0''$ (RT)
D = 1' 00" 18.7"
L = 3,043.15'
T = 1,558.78'
R = 5,700.00'
SE = EXIST



FROM STA. -RPC- 12+99.15 TO STA. -RPC- 17+00.00 RT



FROM STA. -RPC- 13+00.00 TO STA. -RPC- 16+60.00 RT



WORK TO BE DONE BY OTHERS

PAVEMENT REMOVAL  
 PAVED SHOULDER  
 NOTES:  
 SEE SHEET 10 FOR -RPC- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
B-3159	EC-7/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 7

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

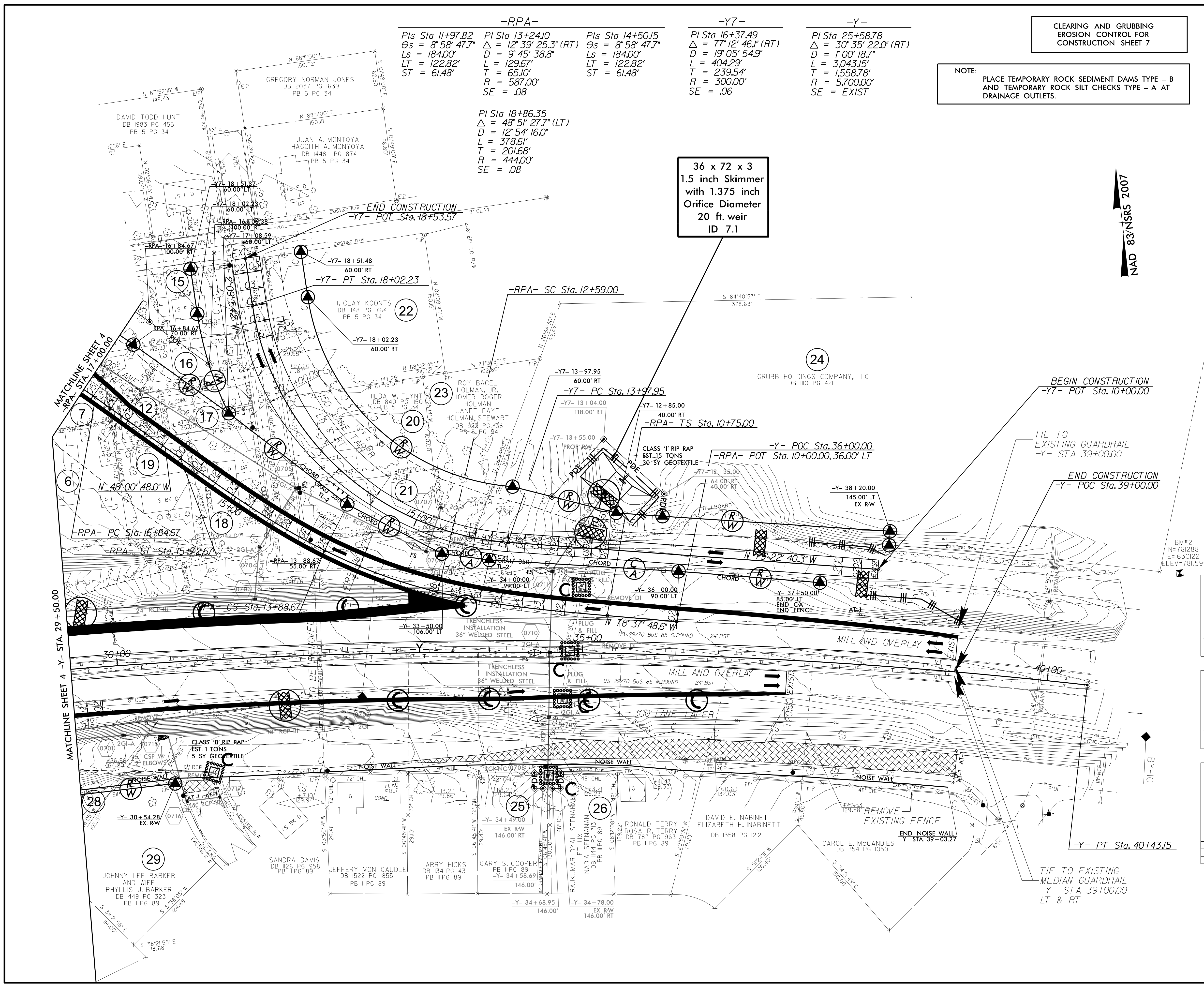
-RPA-  
Pls Sta 11+97.82  $\Delta s = 8' 58" 47.7"$   
Ls = 184.00'  $\Delta = 12' 39" 25.3" (RT)$   
LT = 122.82'  $D = 9' 45" 38.8"$   
ST = 61.48'  $L = 129.67'$   
R = 587.00'  $T = 65.10'$   
SE = .08

-Y7-  
Pls Sta 16+37.49  $\Delta = 77' 12" 46.1" (RT)$   
Ls = 184.00'  $\Delta = 19' 05' 54.9"$   
L = 404.29'  $D = 1' 00' 18.7"$   
T = 239.54'  $L = 3,043.15'$   
R = 300.00'  $T = 1,558.78'$   
SE = .06

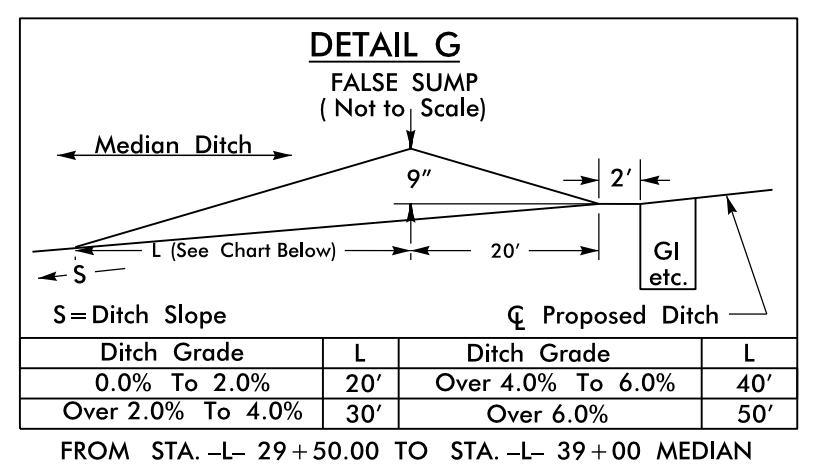
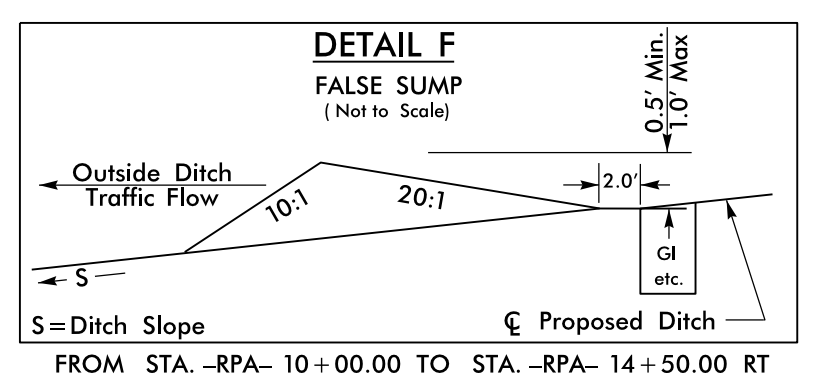
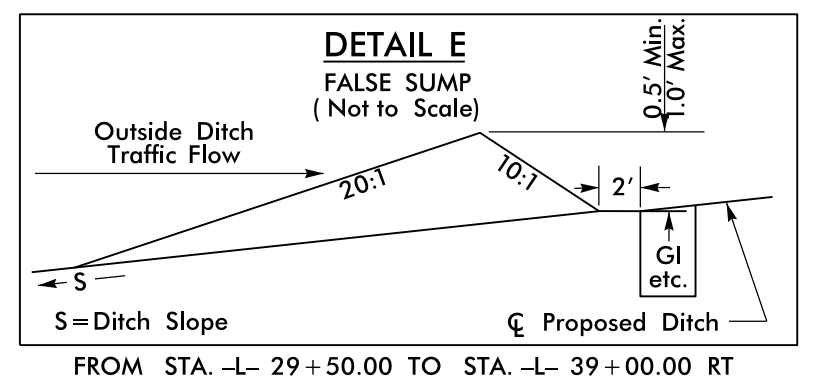
-Y-  
Pls Sta 25+58.78  $\Delta = 30' 35" 22.0" (RT)$   
Ls = 184.00'  $\Delta = 1' 00' 18.7"$   
L = 3,043.15'  $D = 1' 00' 18.7"$   
T = 1,558.78'  $L = 3,043.15'$   
R = 5,700.00'  $T = 1,558.78'$   
SE = EXIST

Pls Sta 18+86.35  $\Delta = 48' 51" 27.7" (LT)$   
D = 12' 54' 16.0"  
L = 378.61'  
T = 201.68'  
R = 444.00'  
SE = .08

36 x 72 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
20 ft. weir  
ID 7.1



- 6 THOMAS LEROY LEE DB 1758 PG 318 PB 5 PG 25
- 7 JOHN MILTON FRITTS BETTY E FRITTS DB 507 PG 744 PB 5 PG 25
- 12 EVA J. SHAW RALPH SHAW
- 15 VIVIAN E. BROADWAY DB 514 PG 359 PB 5 PG 25
- 16 MARGARET P. SMITH, WIDOW DB 1393 PG 1195 PB 5 PG 34
- 17 TODD, J. SURRATT DB 202 PG 2079 PB 5 PG 34
- 18 JAMES EARL LANIER DEBRA LANIER DB 1805 PG 1273 PB 5 PG 34
- 19 HEI H. TAM YIM CHAU WU TAM DB 1235 PG 948 PB 5 PG 34
- 21 ROBERT L. EVERHART, III
- 28 CHARLES L. SWICEGOOD DB 1253 PG 1985



NAD 83 NSRS 2007

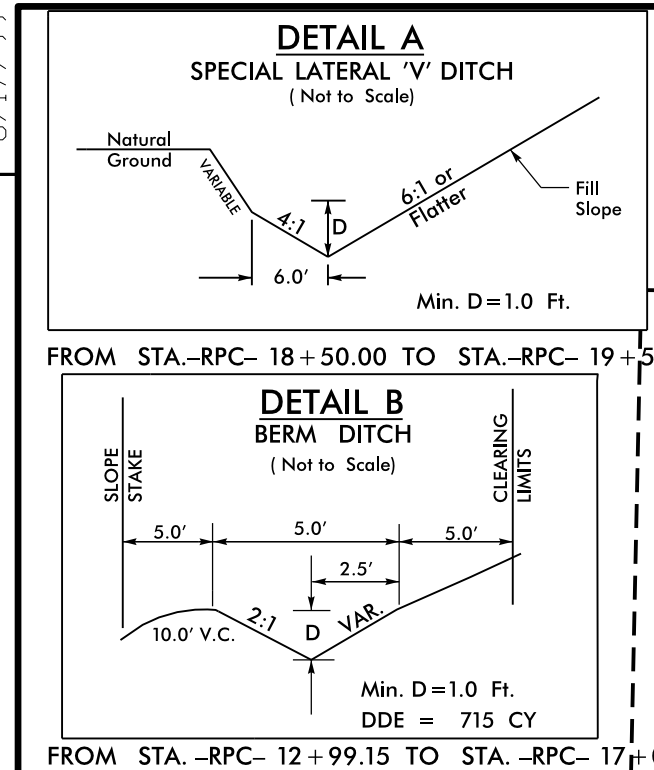
BM#2  
N=761288  
E=1630122  
ELEV=781.59'

MATCHLINE SHEET 4 -Y- STA. 29+50.00

MATCHLINE SHEET 4 -RPA- STA. 17+00.00

TIE TO EXISTING  
MEDIAN GUARDRAIL  
-Y- STA 39+00.00  
LT & RT

PROJECT REFERENCE NO. B-3159		SHEET NO. EC-8/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



**BEGIN TIP PROJECT B-3159**  
 -L- POT STA 7+75.00  
 -L- POT STA 7+00.00

JOHN L. PALMER  
 MADELINE R. PALMER  
 DB 224 PG 477  
 DB 615 PG 444  
 PB 4 PG 68

**BEGIN CONSTRUCTION TIP PROJECT B-3159**  
 -L- POT STA 6+30.00

JOHN BURTON HELMS  
 DB 156 PG 417  
 DB 157 PG 418  
 PB 4 PG 68

BODDIE-NOELL ENTERPRISES, INC.  
 DB 666 PG 820  
 EX RW 10.00' RT

MARCHEL SWINEGOOD  
 DB 156 PG 417  
 DB 157 PG 418  
 PB 4 PG 68

RIPPLE OIL COMPANY, INC.  
 DB 1914 PG 1305

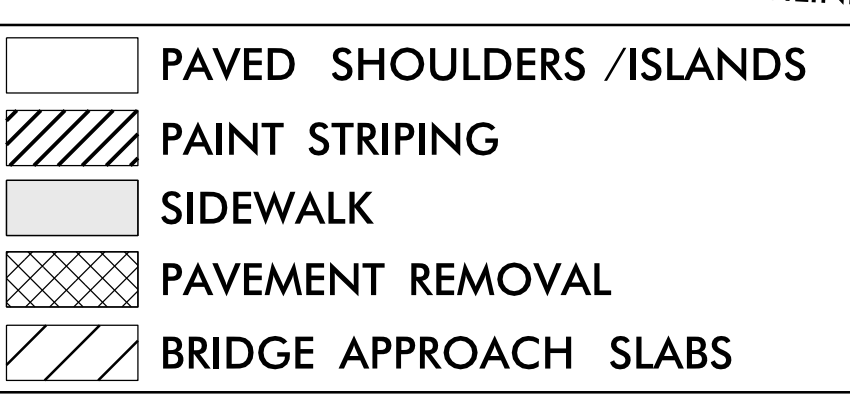
BILLIE S. PARKER  
 DB 1277 PG 1505

JOHNNY LEE BARKER  
 PHYLLIS J. BARKER  
 DB 449 PG 323  
 PB 11 PG 89

**BEGIN CONSTRUCTION**  
 -Y2- POT STA.10+00.00

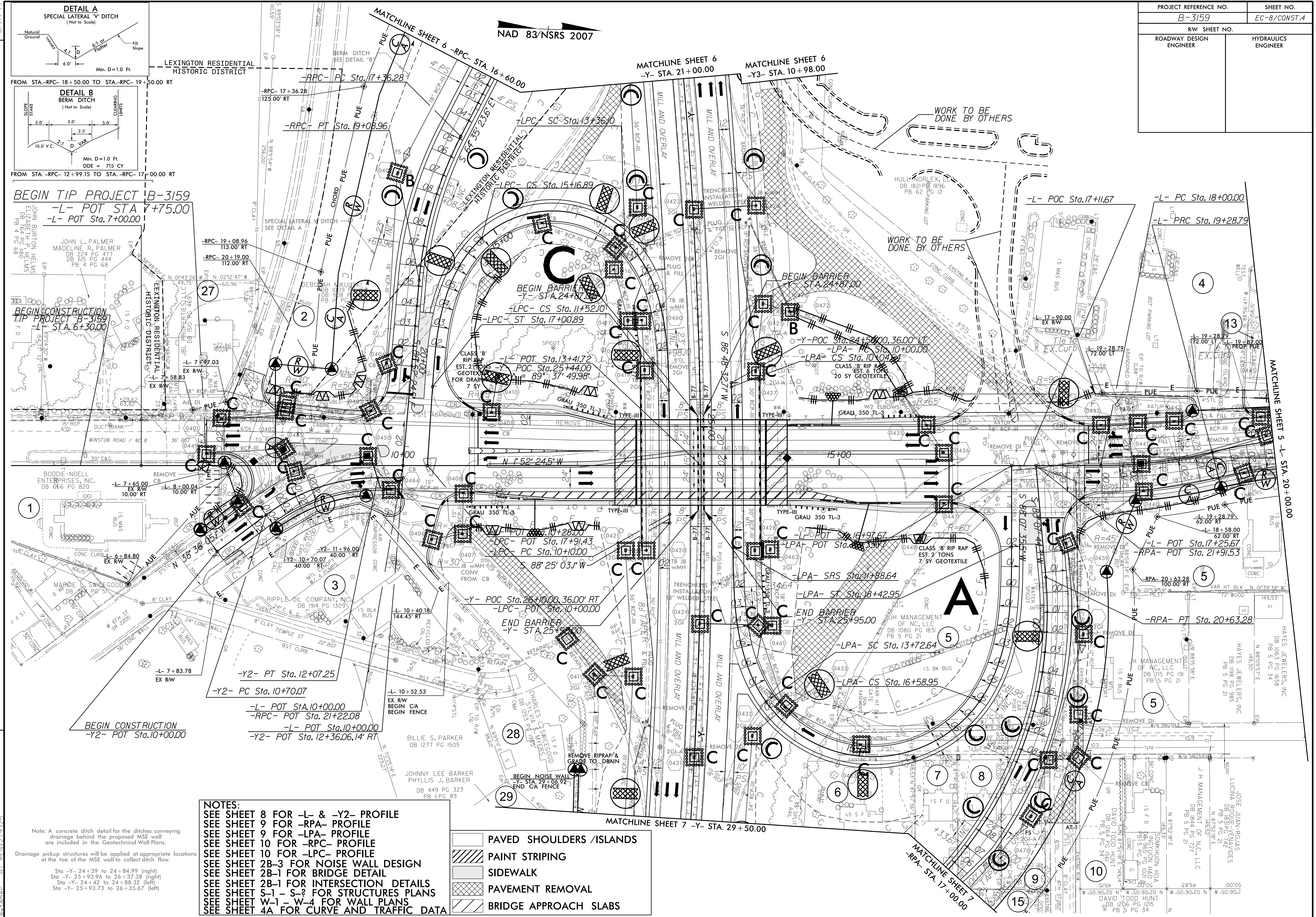
-L- POT STA.10+00.00  
 -RPC- POT STA. 21+22.08  
 -L- POT STA.10+00.00  
 -Y2- POT STA. 12+36.06, 14' RT

**NOTES:**  
 SEE SHEET 8 FOR -L- & -Y2- PROFILE  
 SEE SHEET 9 FOR -RPA- PROFILE  
 SEE SHEET 9 FOR -LPA- PROFILE  
 SEE SHEET 10 FOR -RPC- PROFILE  
 SEE SHEET 10 FOR -LPC- PROFILE  
 SEE SHEET 2B-3 FOR NOISE WALL DESIGN  
 SEE SHEET 2B-1 FOR BRIDGE DETAIL  
 SEE SHEET 2B-1 FOR INTERSECTION DETAILS  
 SEE SHEET S-1 - S-2 FOR STRUCTURES PLANS  
 SEE SHEET W-1 - W-4 FOR WALL PLANS  
 SEE SHEET 4A FOR CURVE AND TRAFFIC DATA



Note: A concrete ditch detail for the ditches conveying drainage behind the proposed MSE wall are included in the Geotechnical Wall Plans.  
 Drainage pickup structures will be applied at appropriate locations at the toe of the MSE wall to collect ditch flow.

Sta -Y- 24+39 to 24+84.99 (right)  
 Sta -Y- 25+93.96 to 26+37.38 (right)  
 Sta -Y- 24+42 to 24+88.32 (left)  
 Sta -Y- 25+93.73 to 26+35.67 (left)



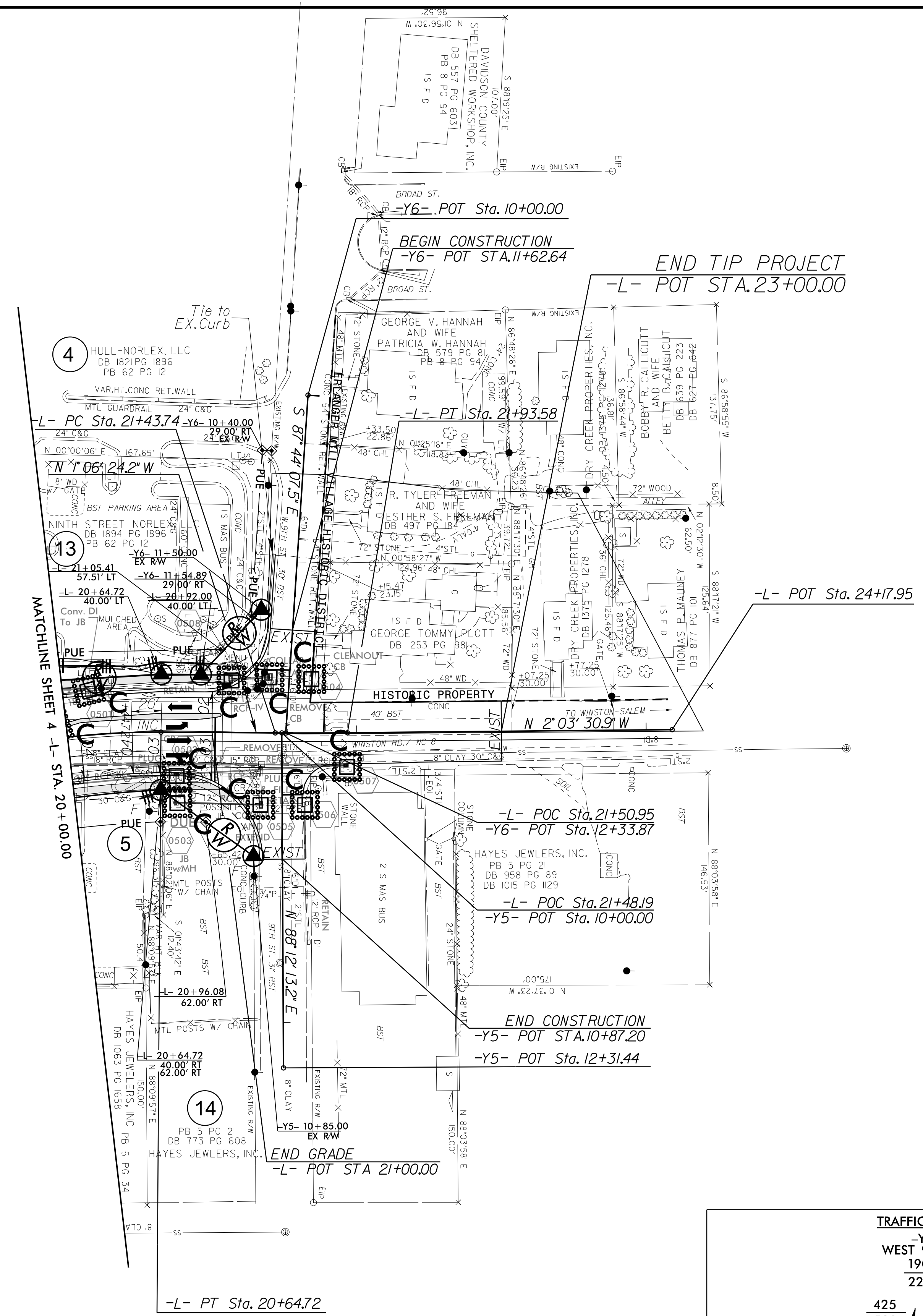
REVISIONS

8/17/99

20-JUL-2015 08:01  
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 Author: AT

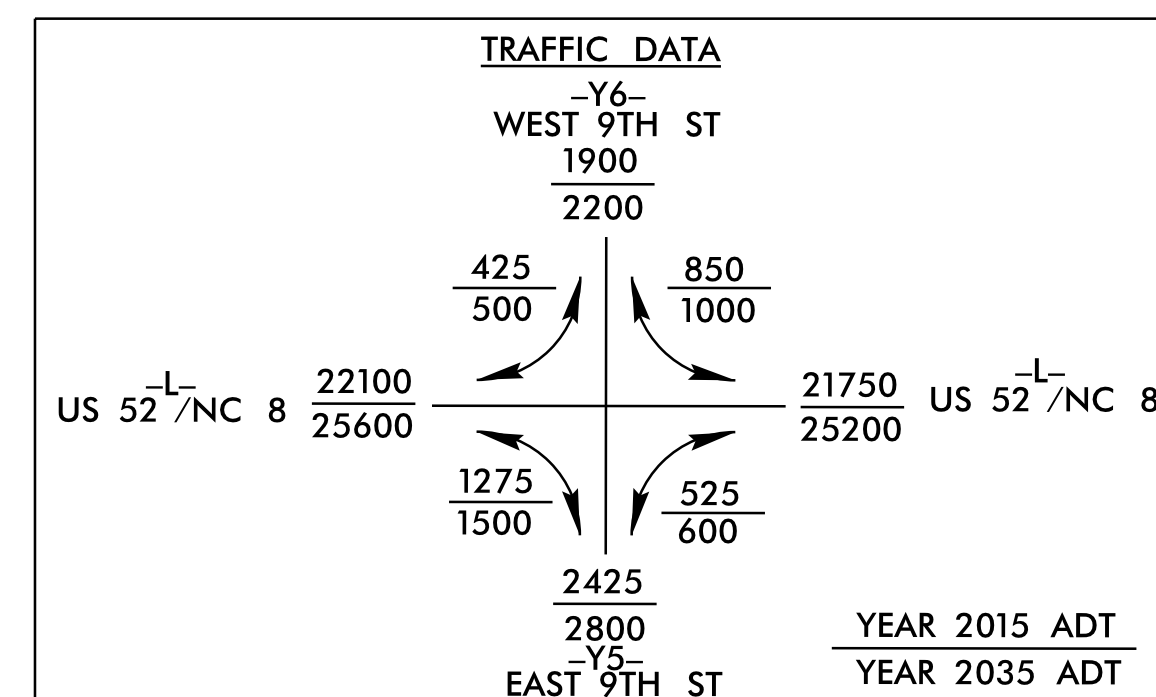
PROJECT REFERENCE NO.	SHEET NO.
B-3159	EC-9/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007



-L-

PI Sta 19+97.13	PI Sta 21+68.66
$\Delta = 14^{\circ} 36' 42.4" (RT)$	$\Delta = 0^{\circ} 57' 06.7" (LT)$
$D = 10^{\circ} 44' 58.8"$	$D = 1^{\circ} 54' 35.5"$
$L = 135.93'$	$L = 49.84'$
$T = 68.33'$	$T = 24.92'$
$R = 533.00'$	$R = 3,000.00'$
SE = SEE PLANS	SE = SEE PLANS



ISLANDS  
SIDEWALK

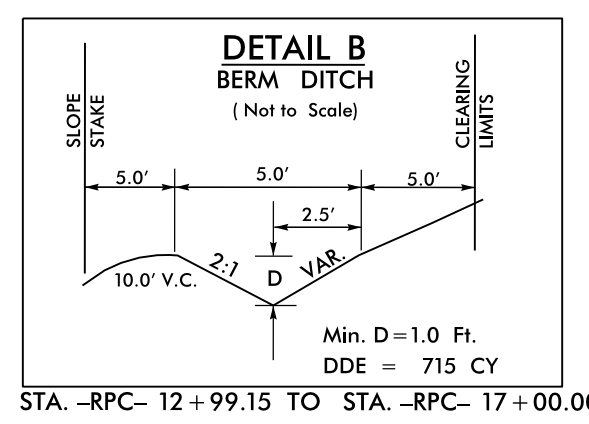
NOTES:  
SEE SHEET 8 FOR -L- PROFILE  
SEE SHEET 2B-1 FOR INTERSECTION DETAIL

8/17/99

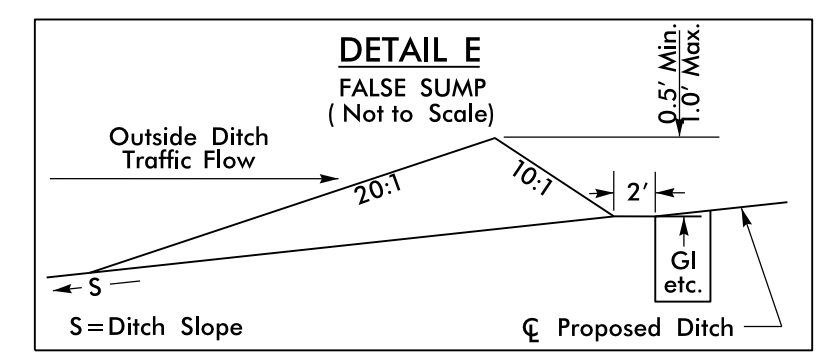
PROJECT REFERENCE NO.		SHEET NO.	
B-3159		EC-10/CONST.6	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/NSRS 2007

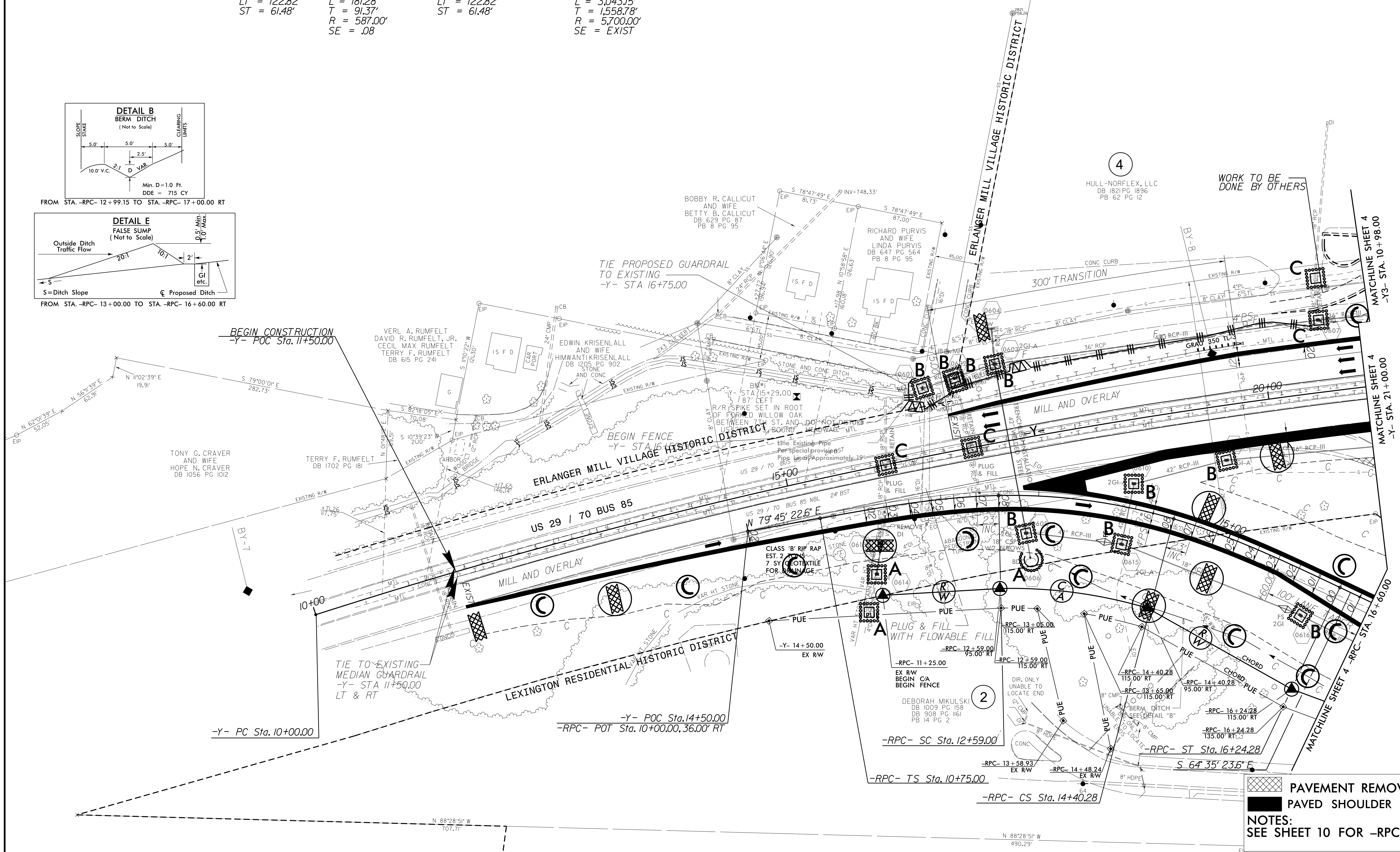
-RPC-			-Y-		
PIs Sta 11+97.82	PI Sta 13+50.37	PIs Sta 15+01.75	PI Sta 25+58.78		
$\Theta_s = 8^\circ 58' 47.7''$	$\Delta = 17^\circ 41' 38.5''$ (RT)	$\Theta_s = 8^\circ 58' 47.7''$	$\Delta = 30^\circ 35' 22.0''$ (RT)		
Ls = 184.00'	D = 9' 45" 38.8"	Ls = 184.00'	D = 1' 00" 18.7"		
LT = 122.82'	L = 181.28'	LT = 122.82'	L = 3,043.15'		
ST = 61.48'	T = 91.37'	ST = 61.48'	T = 1,558.78'		
	R = 587.00'		R = 5,700.00'		
	SE = .08		SE = EXIST		



FROM STA. -RPC- 12+99.15 TO STA. -RPC- 17+00.00 RT

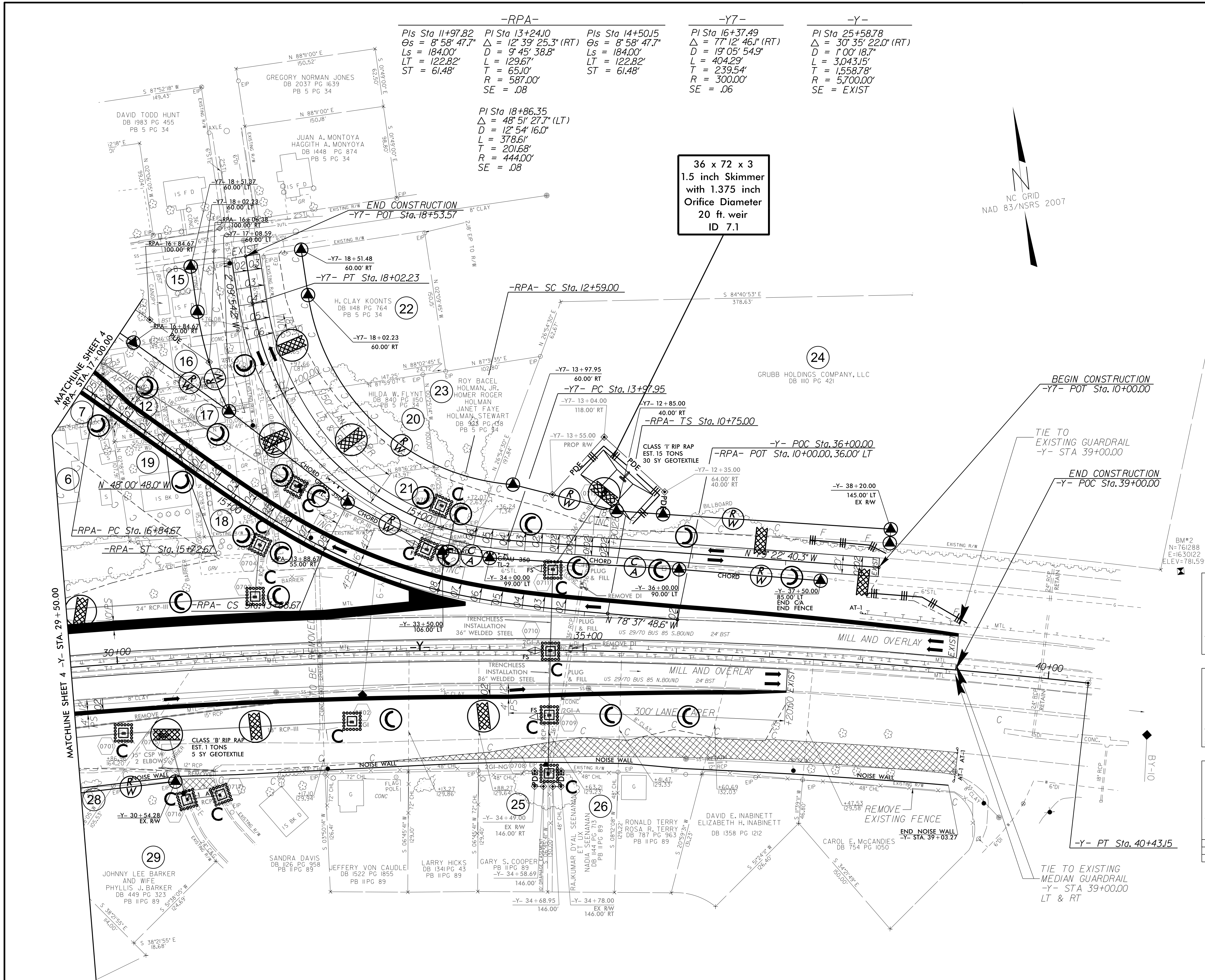


FROM STA. -RPC- 13+00.00 TO STA. -RPC- 16+60.00 RT



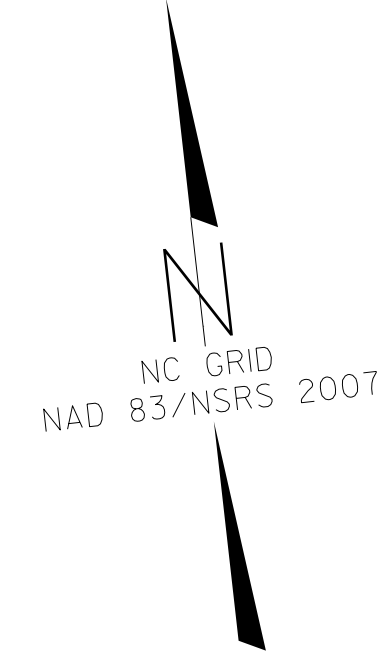
PAVEMENT REMOVAL  
 PAVED SHOULDER  
 NOTES:  
 SEE SHEET 10 FOR -RPC- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
B-3159	EC-11/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-RPA-	-Y7-	-Y-
Pls Sta 11+97.82 Os = 8° 58' 47.7" Ls = 184.00' LT = 122.82' ST = 61.48'	Pls Sta 13+24.10 Δ = 12° 39' 25.3" (RT) D = 9° 45' 38.8" L = 129.67' T = 65.10' R = 587.00' SE = .08	Pls Sta 14+50.15 Os = 8° 58' 47.7" Ls = 184.00' LT = 122.82' ST = 61.48'
	Pls Sta 16+37.49 Δ = 77° 12' 46.1" (RT) D = 19° 05' 54.9" L = 404.29' T = 239.54' R = 300.00' SE = .06	Pls Sta 25+58.78 Δ = 30° 35' 22.0" (RT) D = 1° 00' 18.7" L = 3,043.15' T = 1,558.78' R = 5,700.00' SE = EXIST
	Pls Sta 18+86.35 Δ = 48° 51' 27.7" (LT) D = 12° 54' 16.0" L = 378.61' T = 201.68' R = 444.00' SE = .08	

36 x 72 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
20 ft. weir  
ID 7.1



- 6 THOMAS LEROY LEE  
DB 1758 PG 318  
PB 5 PG 25
- 7 JOHN MILTON FRITTS  
BETTY E FRITTS  
DB 507 PG 744  
PB 5 PG 25
- 12 EVA J. SHAW  
RALPH SHAW
- 15 VIVIAN E. BROADWAY  
DB 514 PG 359  
PB 5 PG 25
- 16 MARGARET P. SMITH, WIDOW  
DB 1393 PG 1195  
PB 5 PG 34
- 17 TODD, J. SURRATT  
DB 202 PG 2079  
PB 5 PG 34
- 18 JAMES EARL LANIER  
DEBRA LANIER  
DB 1805 PG 1273  
PB 5 PG 34
- 19 HEI H. TAM  
YIM CHAU WU TAM  
DB 1235 PG 948  
PB 5 PG 34
- 21 ROBERT L. EVERHART, III
- 28 CHARLES L. SWICEGOOD  
DB 1253 PG 1985

