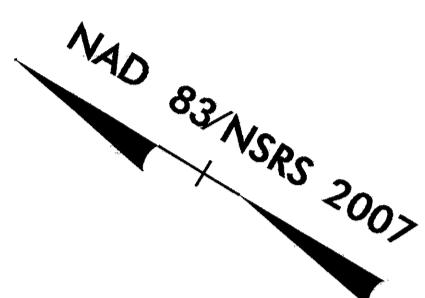


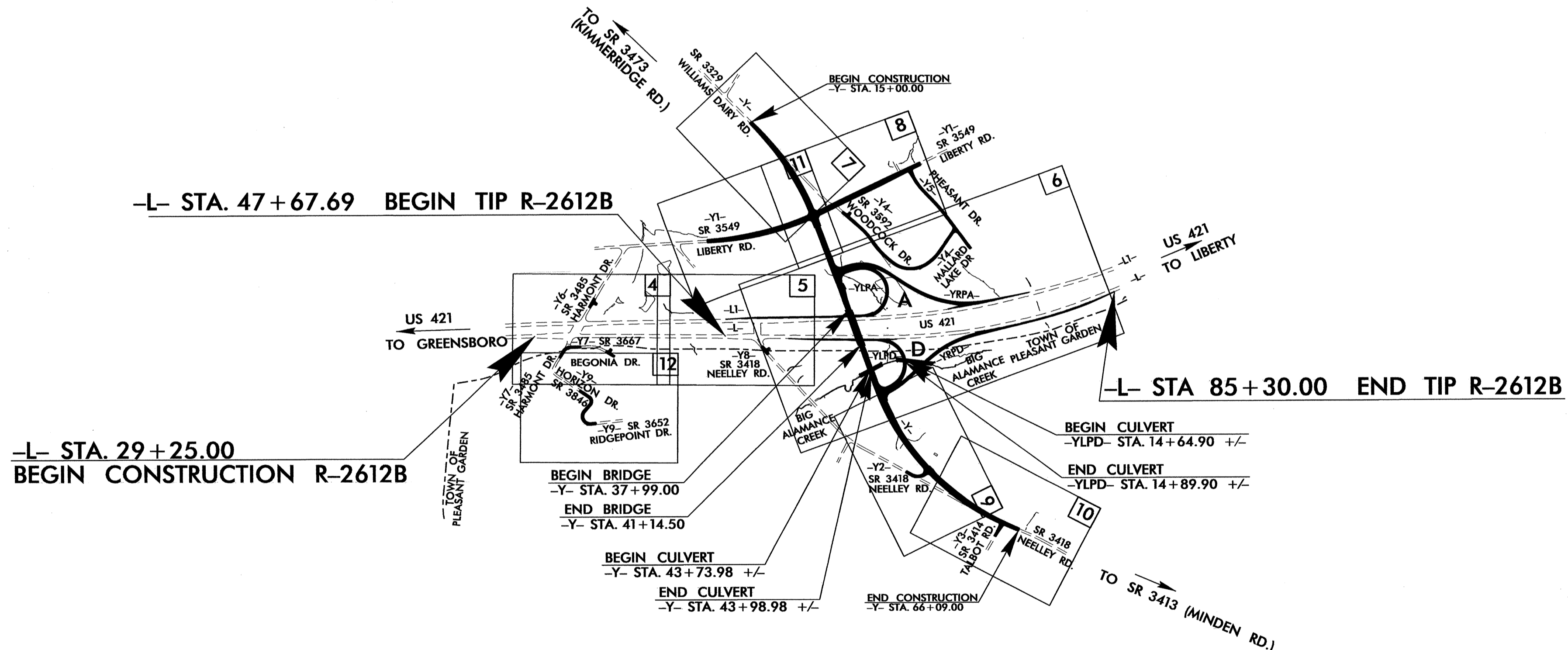
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2612B	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

TIP PROJECT: R-2612B

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



LOCATION: US 421 AT SR 3418 (NEELLEY ROAD)
TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE, AND CULVERTS



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	▲▲▲
1622.01	Temporary Berms and Slope Drains	▲
1630.02	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▩
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▩
1633.02	Temporary Rock Silt Check Type-B	▶
	Wattle / Coir Fiber Wattle	◌
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	◌
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	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

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

GRAPHIC SCALE

0 [Scale Bar] 100

PLANS

0 [Scale Bar] 100

PROFILE (HORIZONTAL)

0 [Scale Bar] 100

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

Roadway Standard Drawings

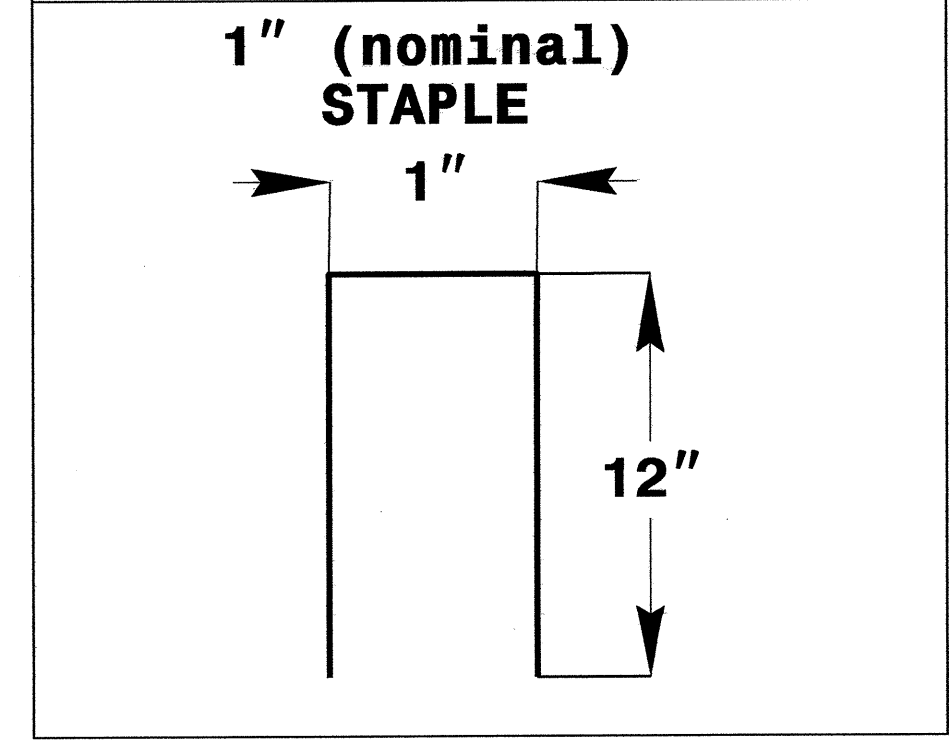
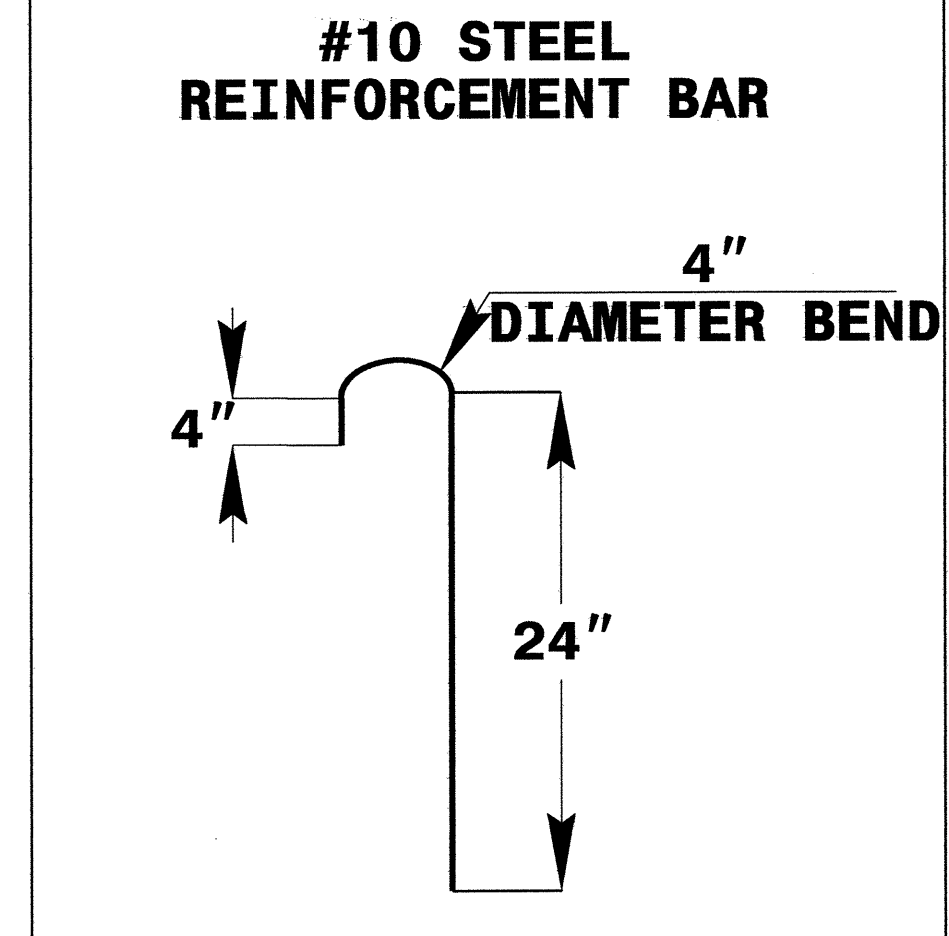
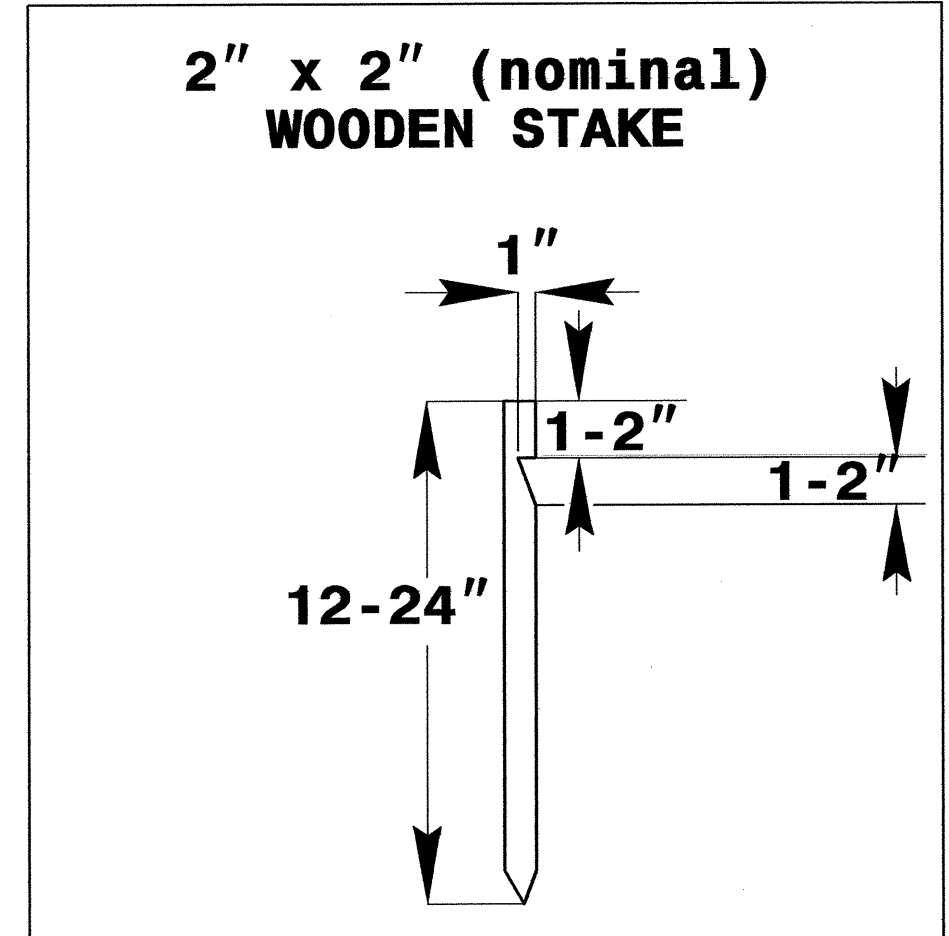
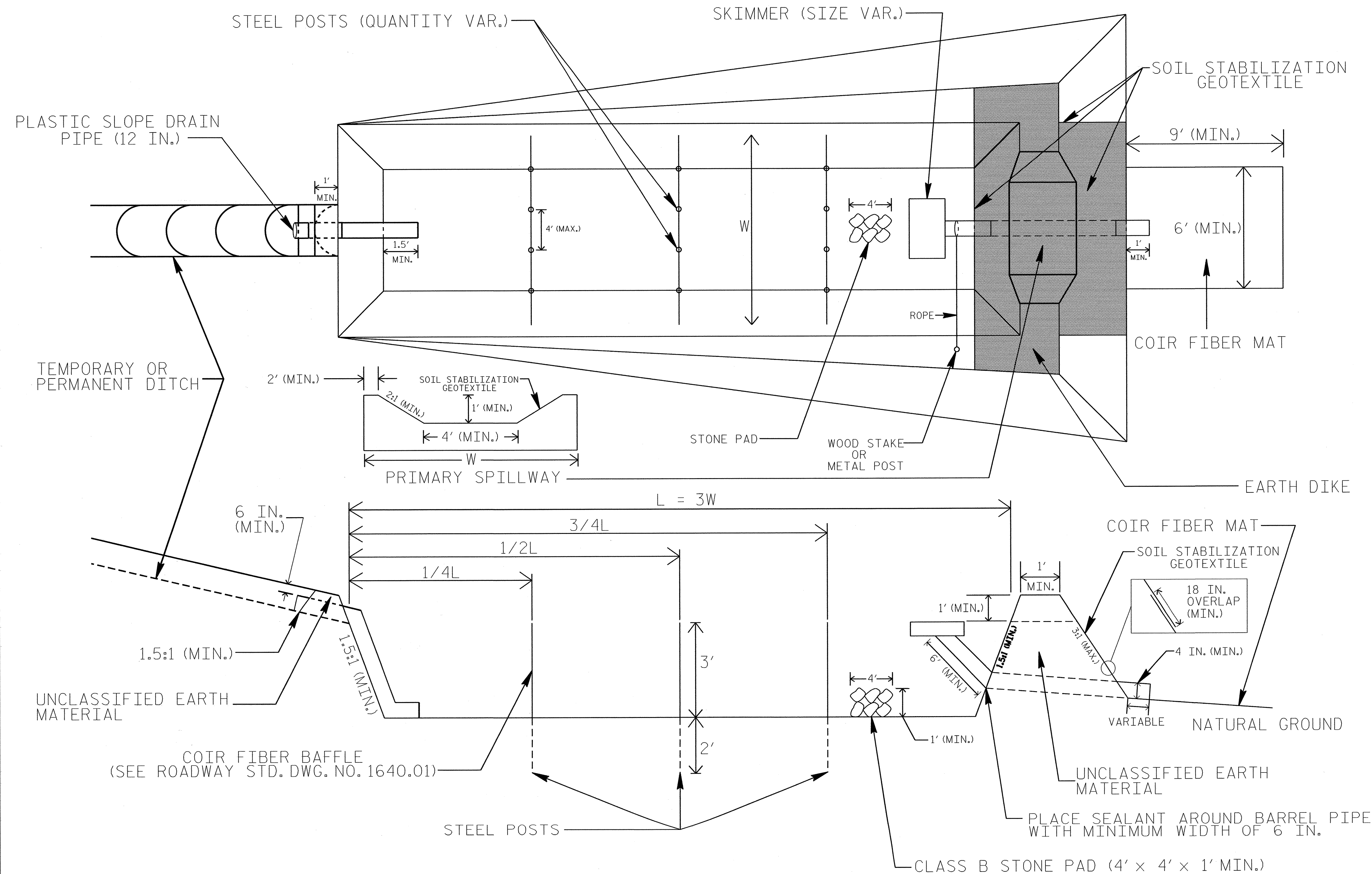
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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	

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jennr

PROJECT REFERENCE NO. R-2612B	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL



COIR FIBER MAT ANCHOR OPTIONS

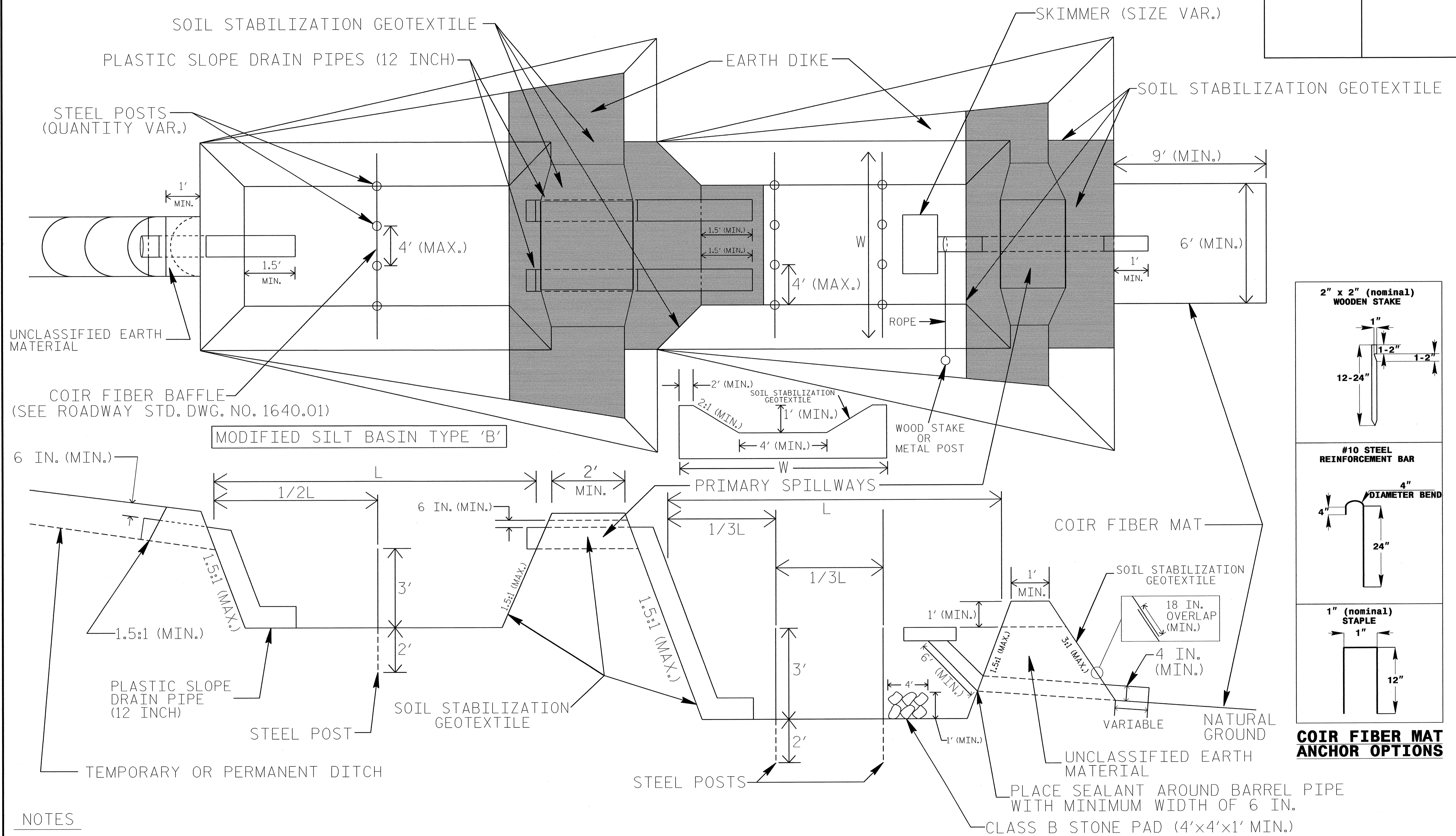
NOTES

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 $Q/0.4$, 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

TIERED SKIMMER BASIN DETAIL

PROJECT REFERENCE NO. R-2612B	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTES

- SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES OF BASINS.
- LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
- ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
- FOR BASIN DEPTHS OF 3 FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
- DETERMINE PRIMARY SPILLWAY LENGTHS (FT.) USING $Q/0.4$, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
- SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

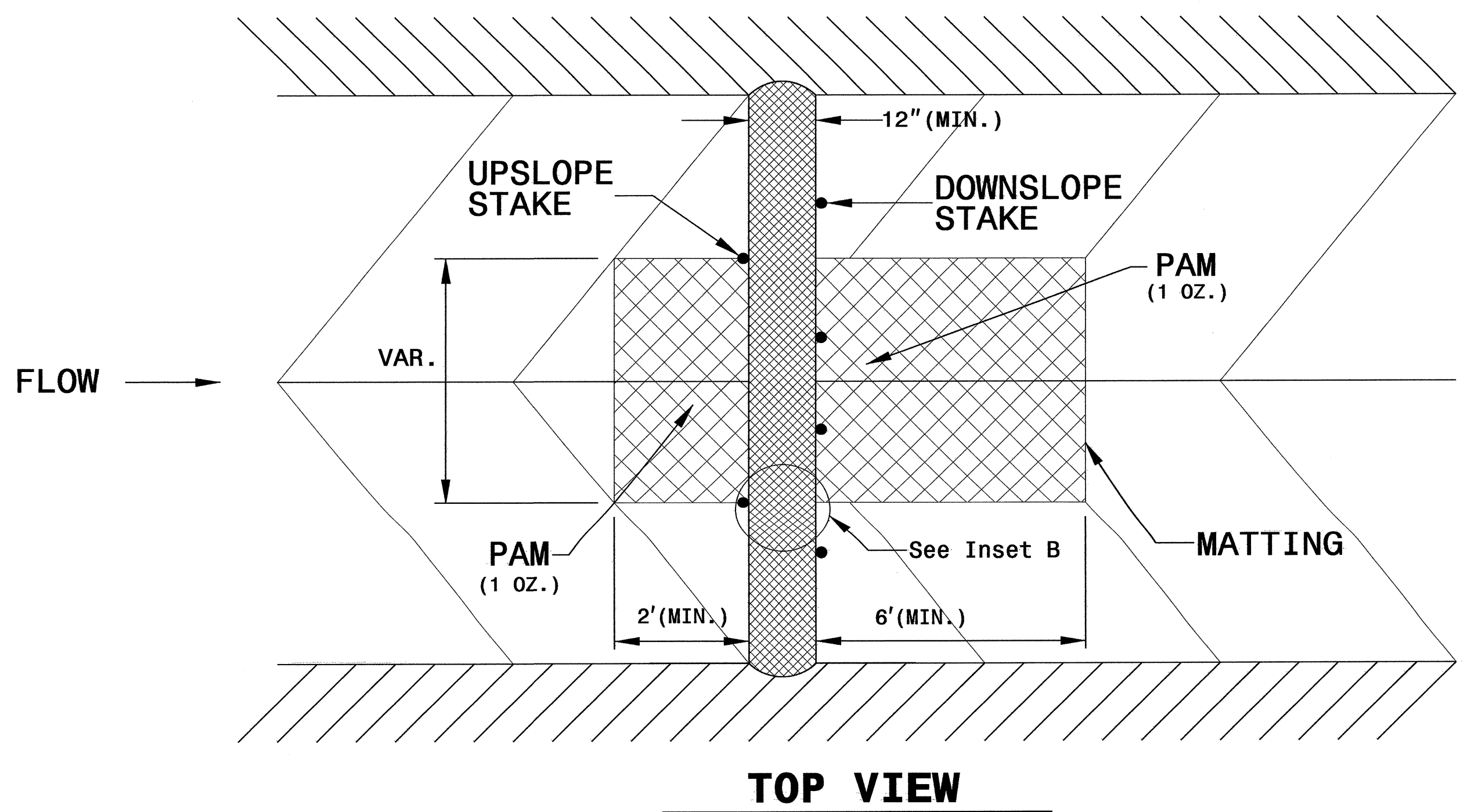
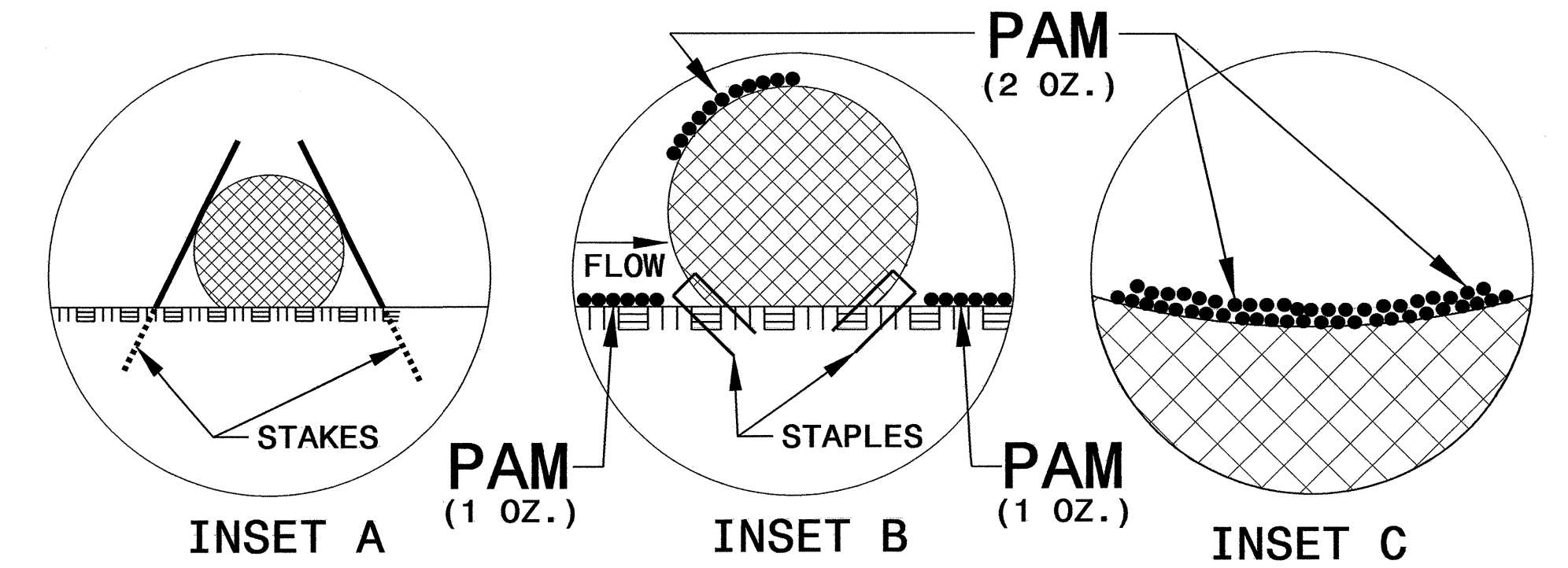
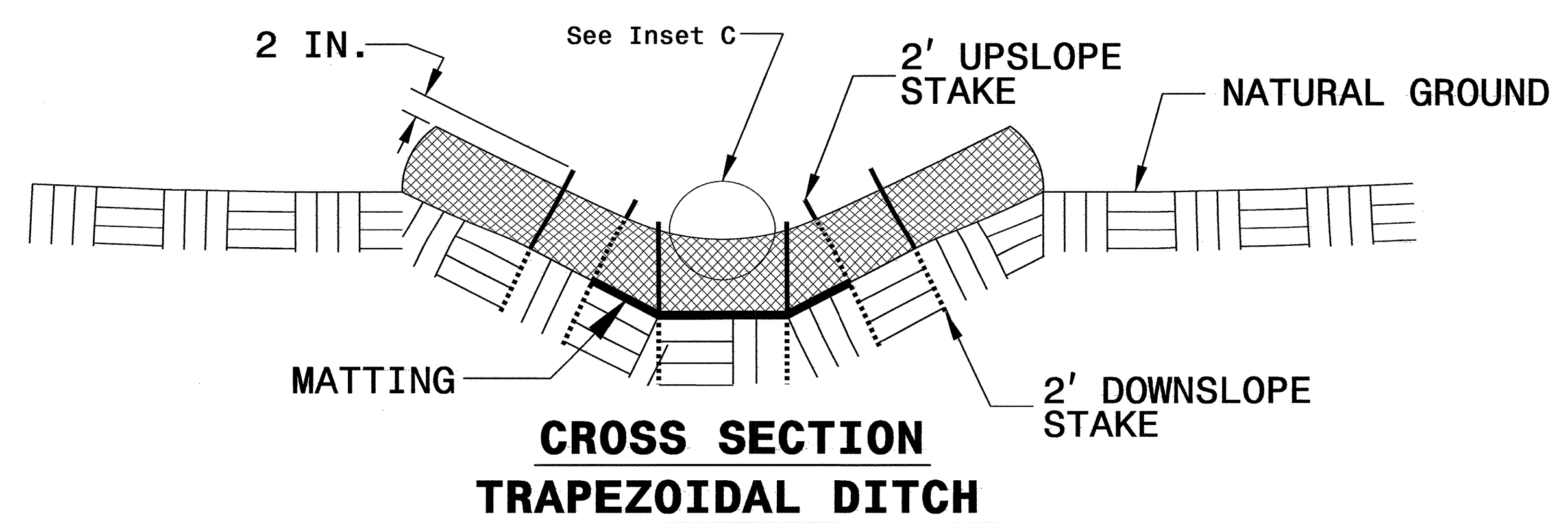
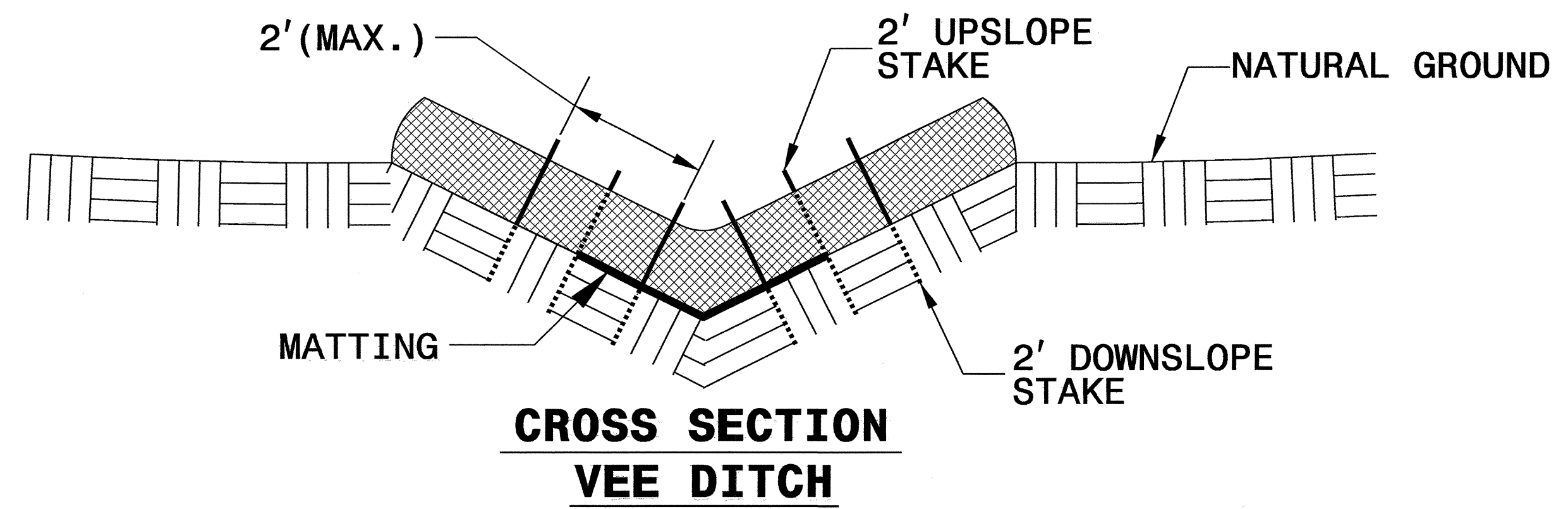
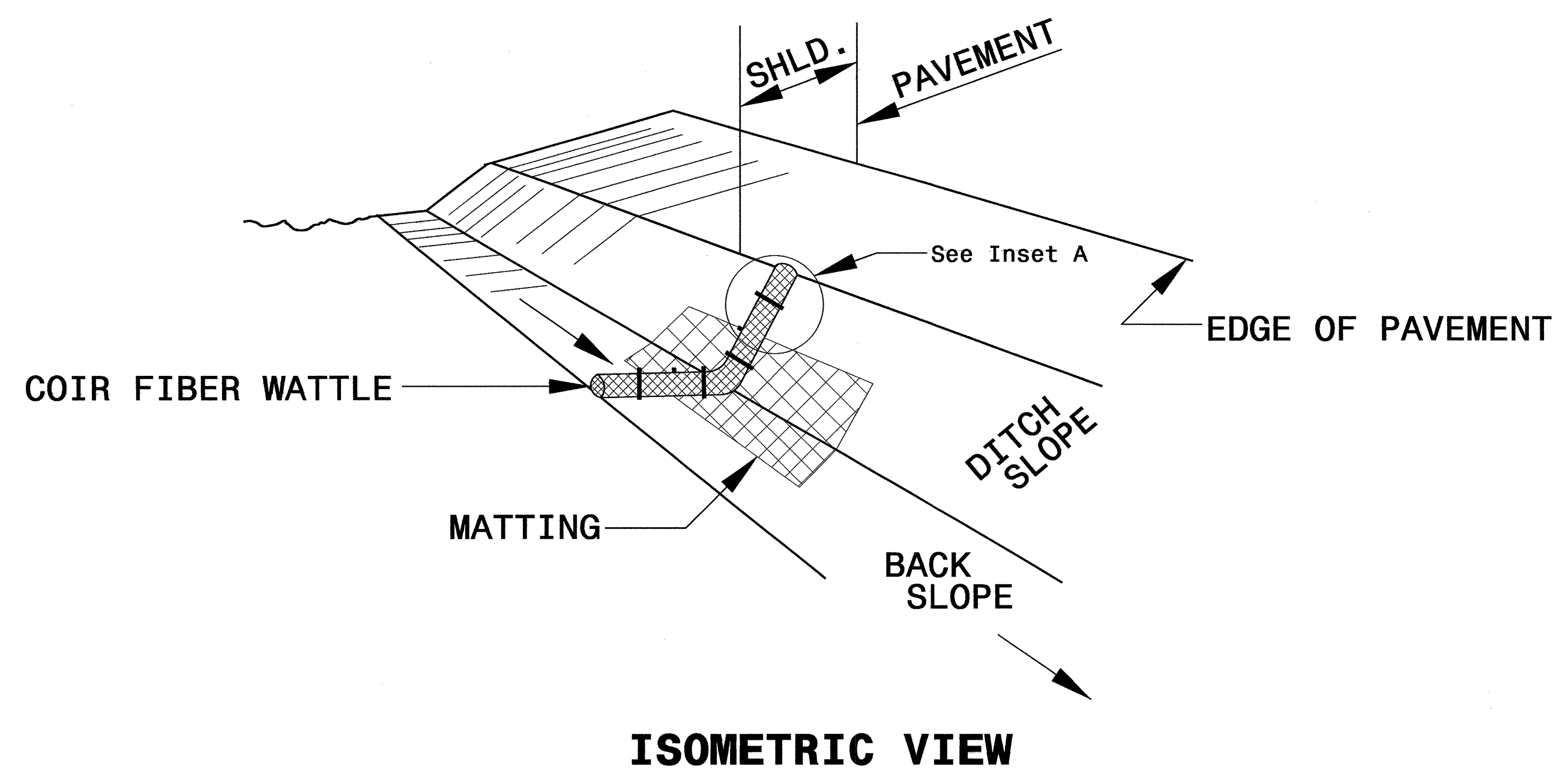
NOT TO SCALE

PROJECT REFERENCE NO. R-2612B	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

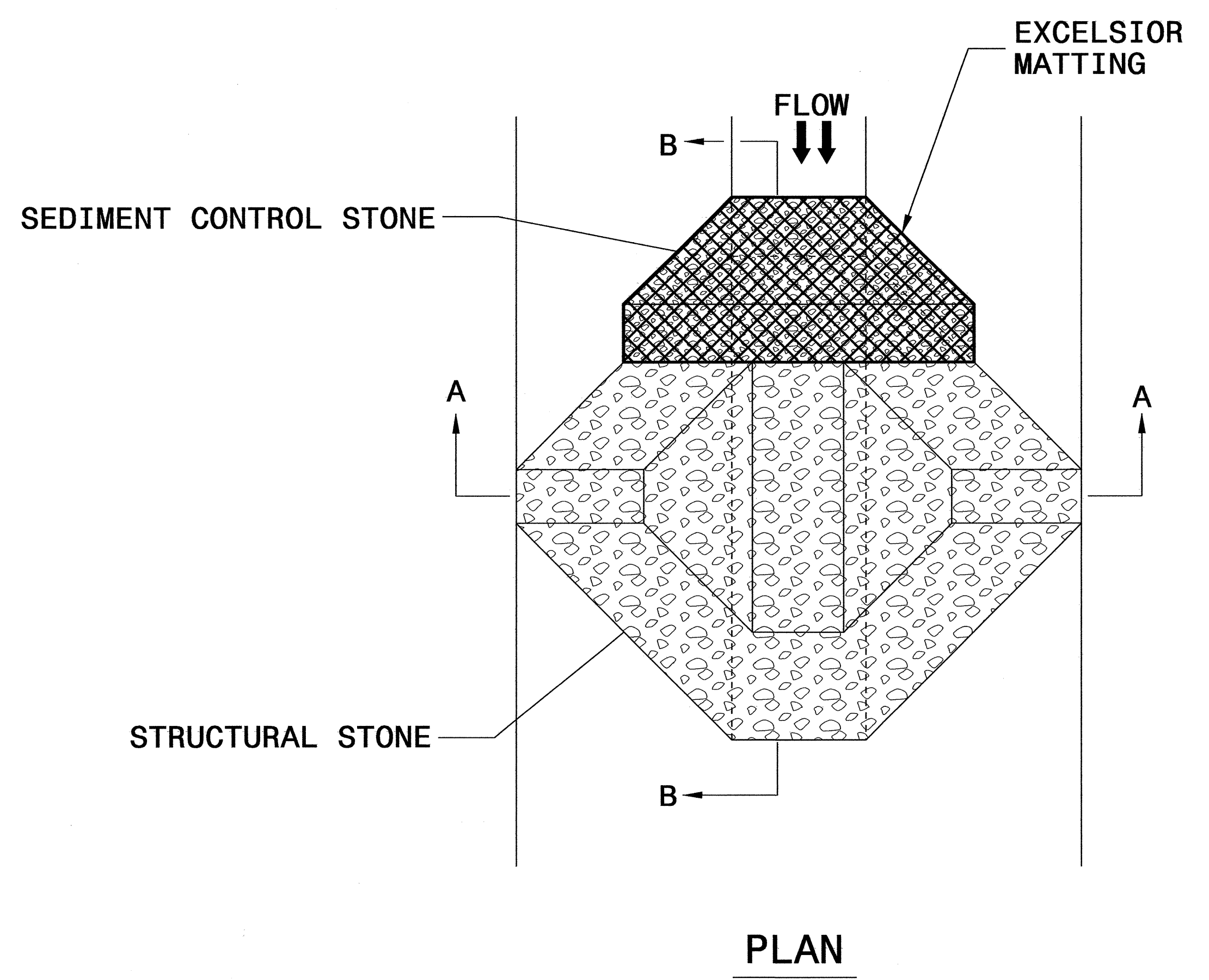
NOTES:

- 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.



PROJECT REFERENCE NO. R-2612B	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



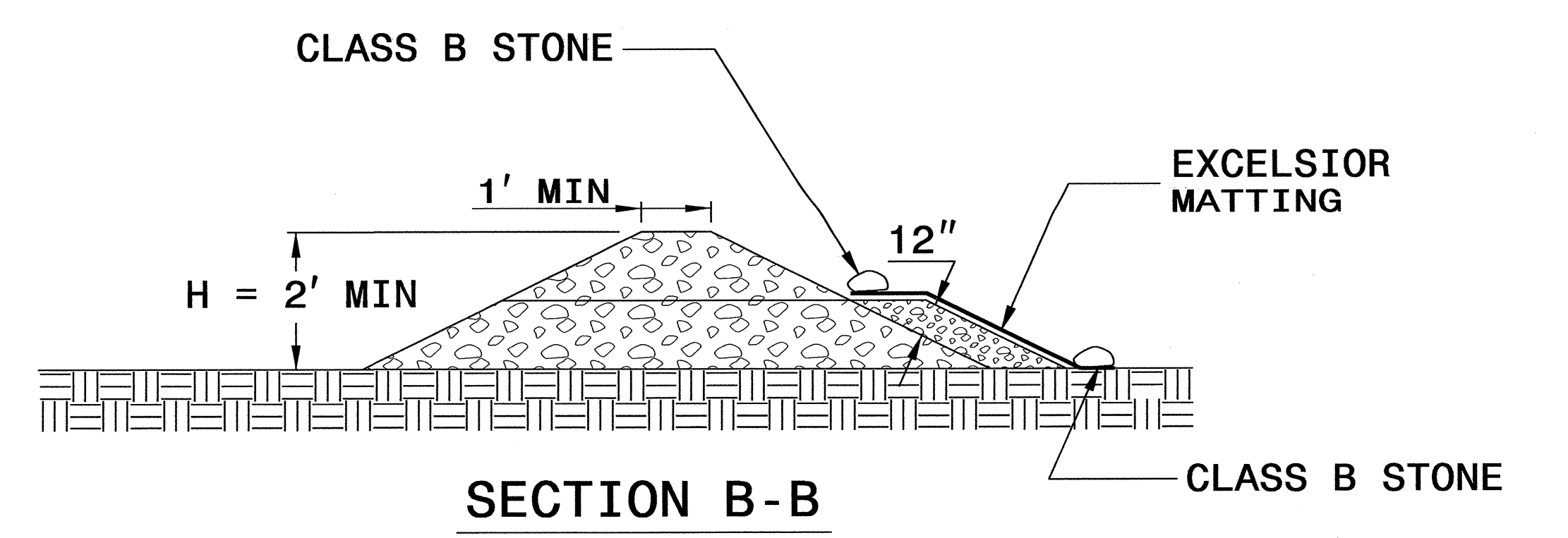
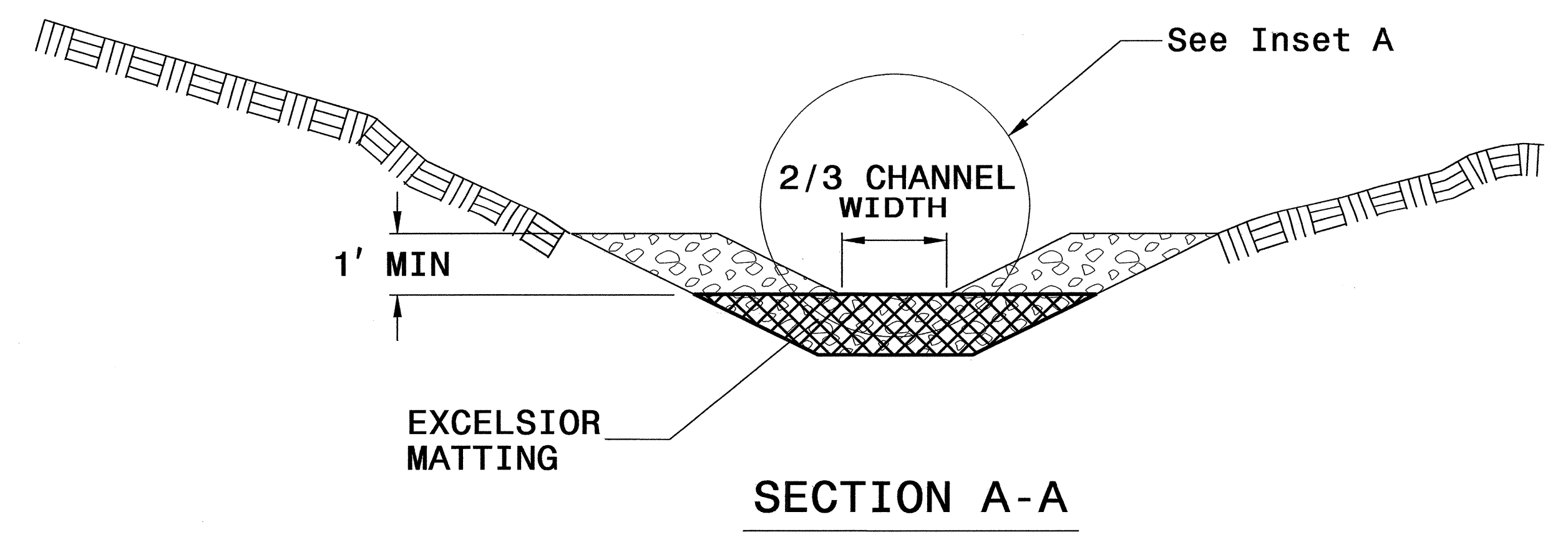
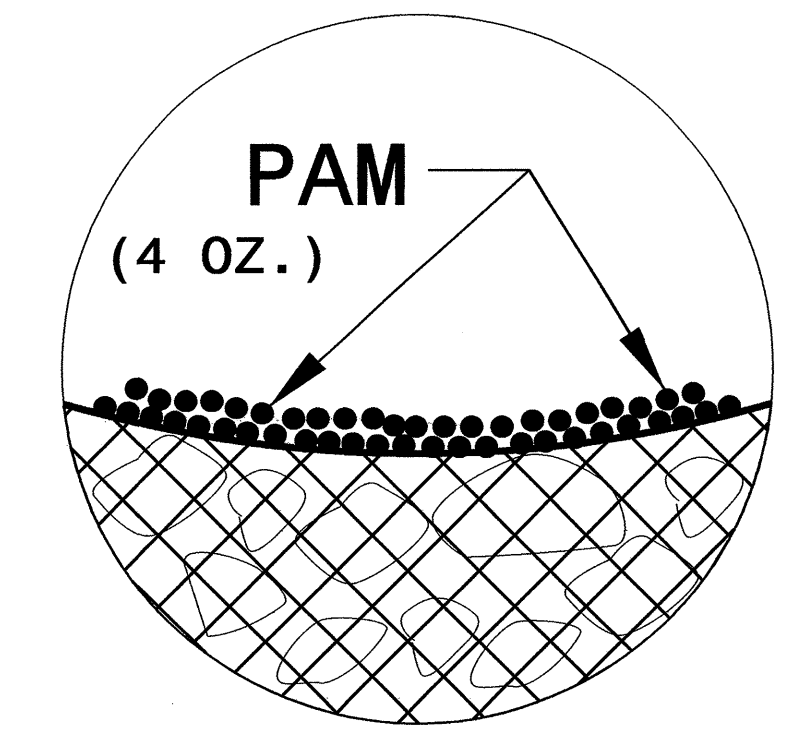
NOTES:

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.



NOT TO SCALE

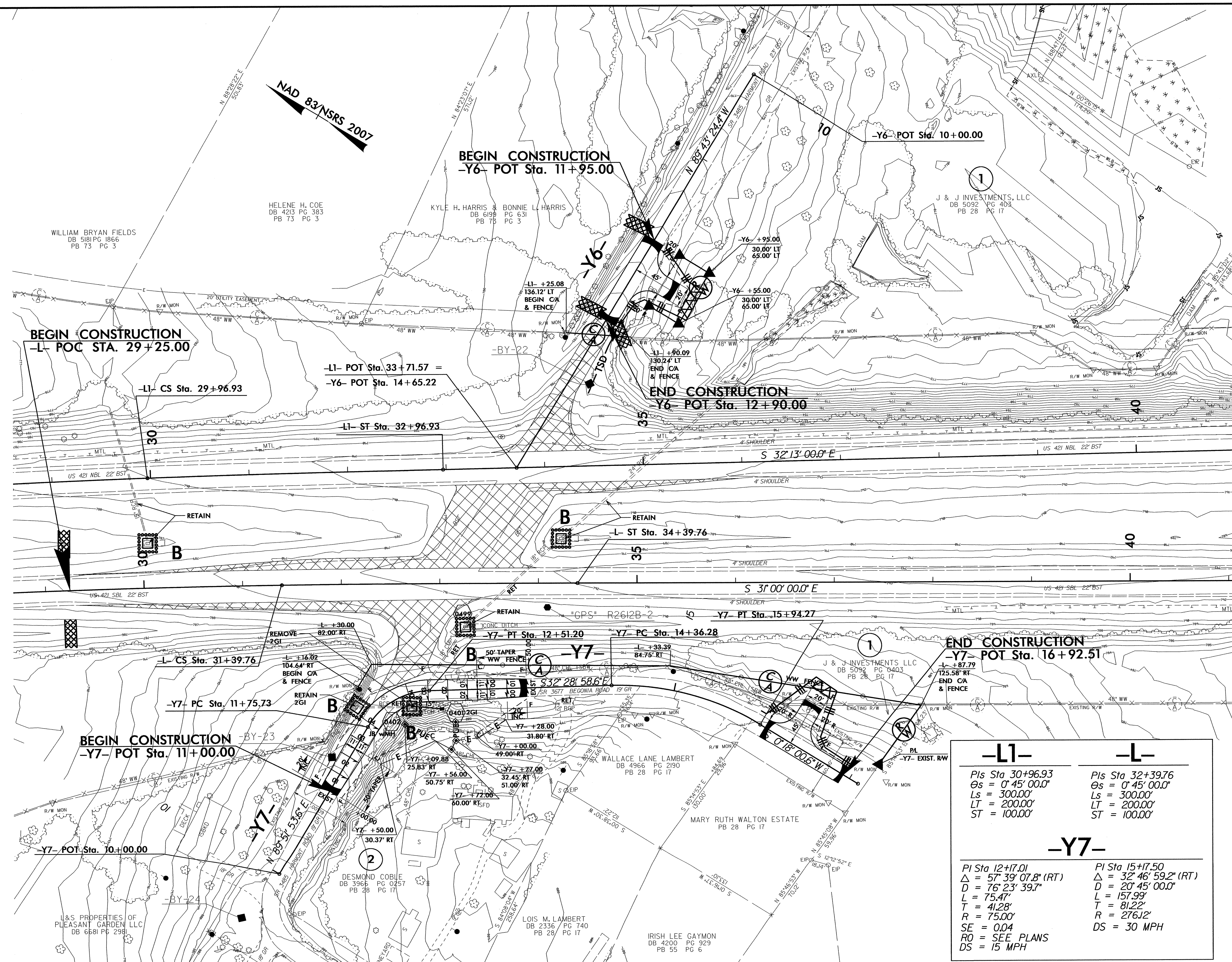
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>R-2612B</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.	SHEET NO.
R-2612B	EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE SHEET 5 -L- STA. 42+00.00

-L1-	-L-
PIs Sta 30+96.93	PIs Sta 32+39.76
$\Delta s = 0' 45' 00.0''$	$\Delta s = 0' 45' 00.0''$
LS = 300.00'	LS = 300.00'
LT = 200.00'	LT = 200.00'
ST = 100.00'	ST = 100.00'
-Y7-	
PI Sta 12+17.01	PI Sta 15+17.50
$\Delta = 57' 39' 07.8''$ (RT)	$\Delta = 32' 46' 59.2''$ (RT)
D = 76' 23' 39.7"	D = 20' 45' 00.0"
L = 75.47'	L = 157.99'
T = 41.28'	T = 81.22'
R = 75.00'	R = 276.12'
SE = 0.04	DS = 30 MPH
RO = SEE PLANS	
DS = 15 MPH	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

MATCH LINE SHEET 12

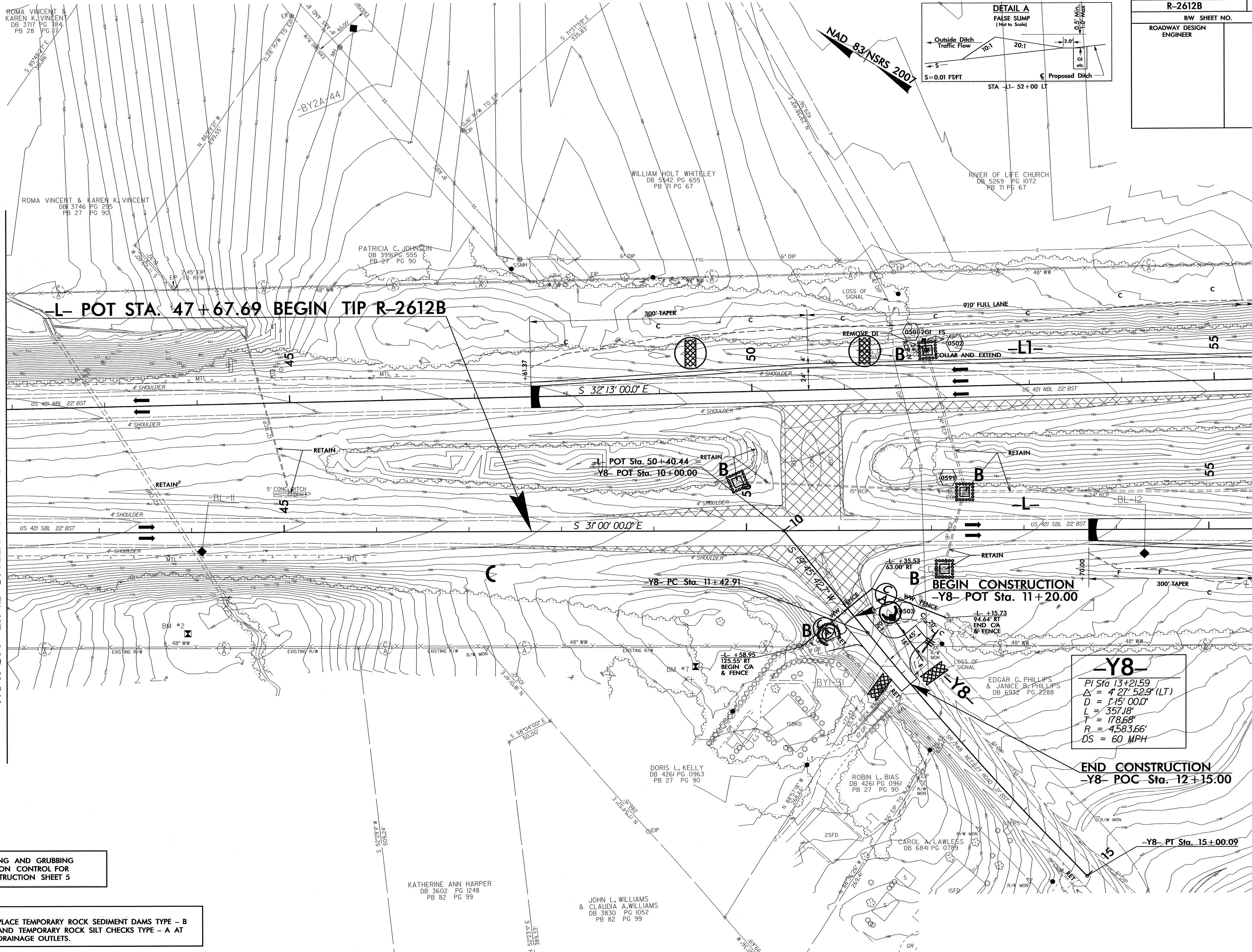
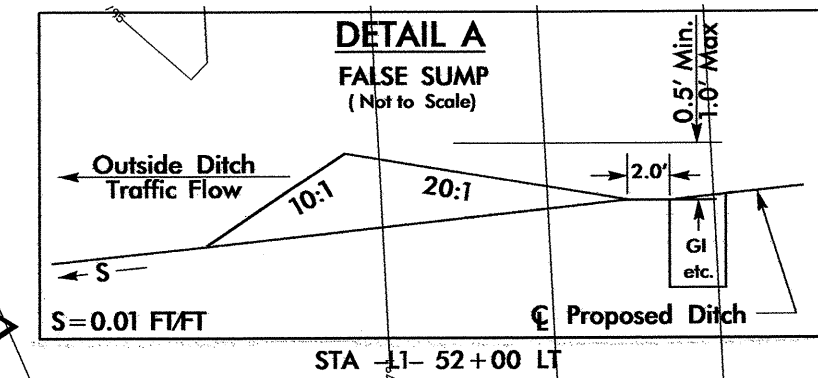
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

8/17/09

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8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-5/CONST.5	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER			



MATCH LINE SHEET 4 -L- STA. 42+00.00

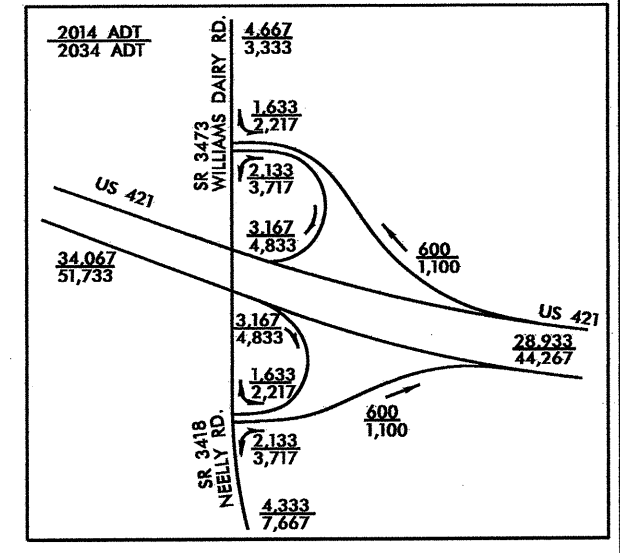
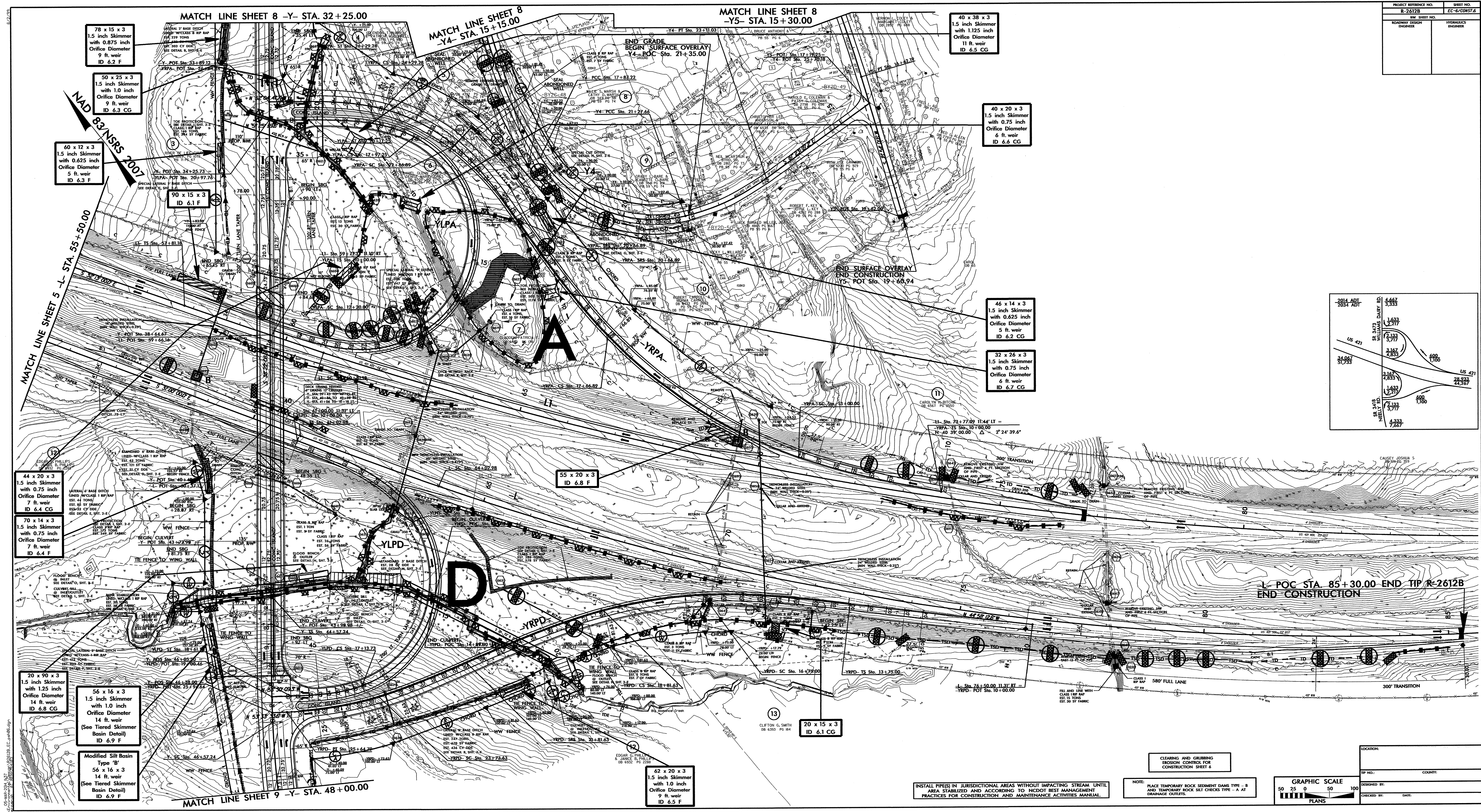
MATCH LINE SHEET 6 -L- STA. 55+50.00

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.

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PROJECT REFERENCE NO.	SHEET NO.
R-2612B	EC-6/CONSTR. 6
HW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

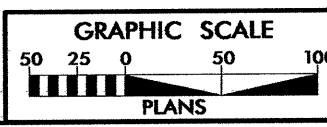


- 78 x 15 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
9 ft. weir
ID 6.2 F
- 50 x 25 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
9 ft. weir
ID 6.3 CG
- 40 x 12 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
5 ft. weir
ID 6.3 F
- 90 x 15 x 3
ID 6.1 F
- 44 x 20 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
7 ft. weir
ID 6.4 CG
- 70 x 14 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
7 ft. weir
ID 6.4 F
- 20 x 90 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
14 ft. weir
ID 6.8 CG
- 56 x 16 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
14 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6.9 F
- Modified Silt Basin
Type 'B'
56 x 16 x 3
14 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6.9 F
- 62 x 20 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
9 ft. weir
ID 6.5 F

INSTALL PIPES IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO MCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

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.



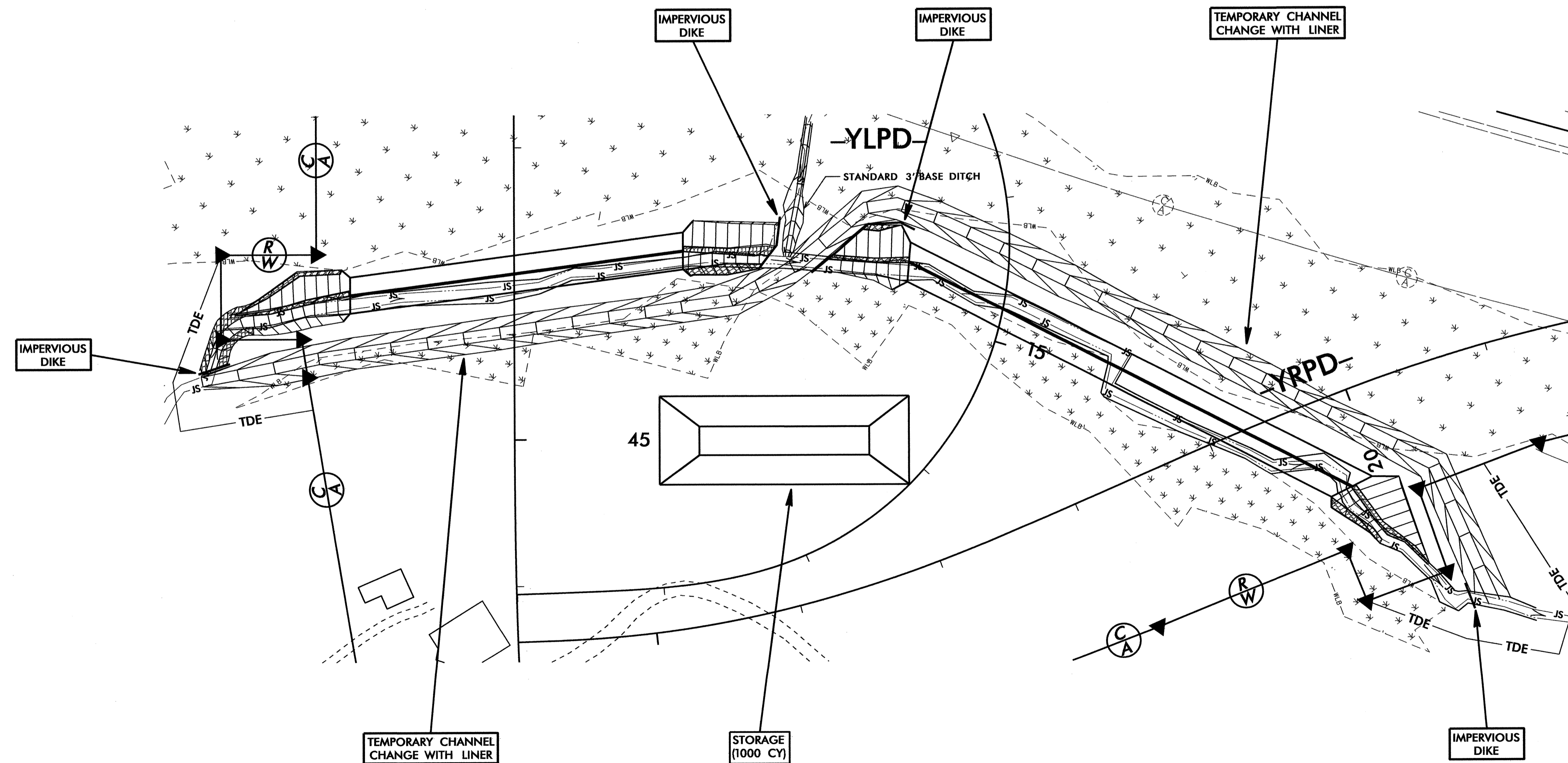
LOCATION	
TIP NO.	
COUNTY	
DESIGNED BY	
CHECKED BY	
DATE	

CULVERT CONSTRUCTION SEQUENCE STA. 43+86.48 -Y- AND STA. 14+77.4 -YLPD- (SHEET 1 OF 2)

PROJECT REFERENCE NO. <i>R-2612B</i>	SHEET NO. <i>EC-7/CONST.6</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PHASE I

1. CONSTRUCT STILLING BASIN (1000 CY).
2. CONSTRUCT STANDARD 3 FT. BASE DITCH AT TRIBUTARY AS DIRECTED.
3. CONSTRUCT IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGE WITH LINER (8 FT. BASE, 3 FT. DEEP, 2:1 SIDE SLOPES), DIVERTING FLOW.
4. CONSTRUCT PROPOSED CULVERTS.
5. CONSTRUCT AS MUCH OF THE INLET/OUTLET CHANNEL IMPROVEMENTS AND FLOOD BENCHES AS POSSIBLE.



NAD 83 NSRS 2007

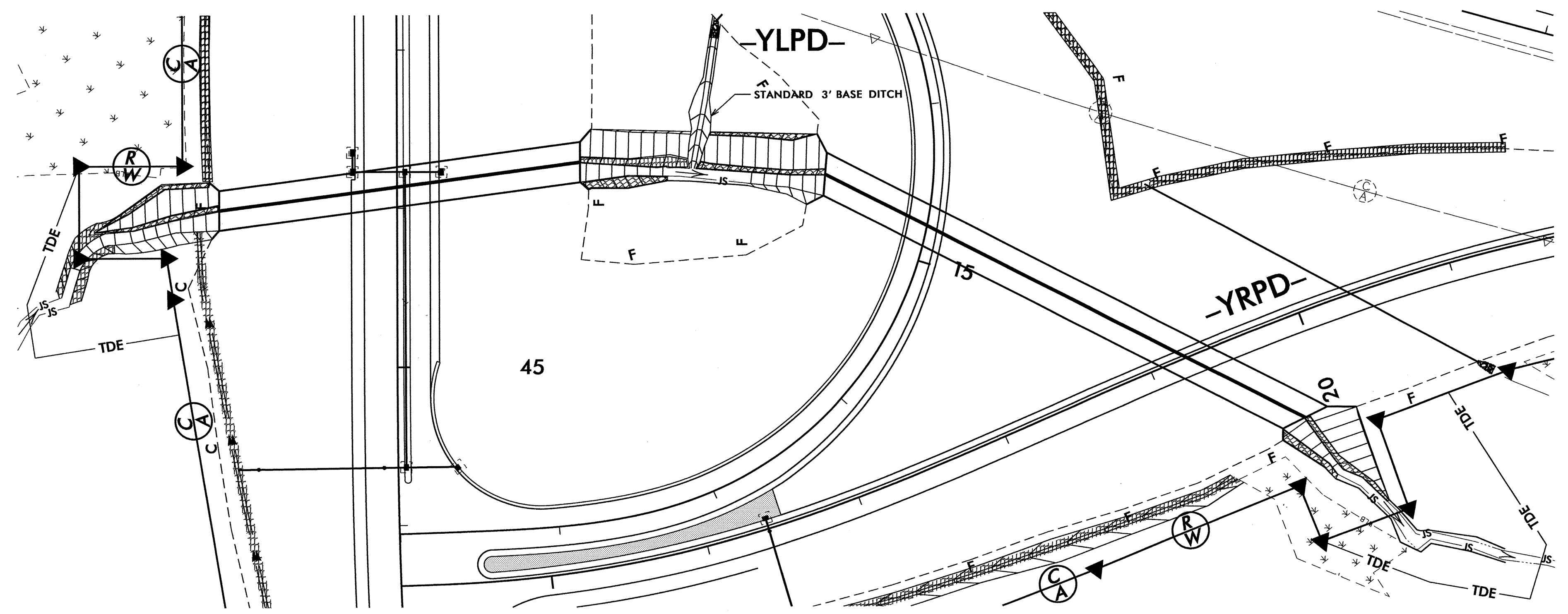
PROJECT REFERENCE NO. <i>R-2612B</i>	SHEET NO. <i>EC-8/CONST.6</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CULVERT CONSTRUCTION SEQUENCE STA. 43+86.48 -Y- AND STA. 14+77.4 -YLPD- (SHEET 2 OF 2)

PHASE II

6. REMOVE IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGE, ALLOWING NORMAL FLOW THROUGH PROPOSED CULVERTS.
7. CONSTRUCT ANY REMAINING INLET/OUTLET CHANNEL IMPROVEMENTS AND FLOOD BENCHES.
8. REMOVE STILLING BASIN.
9. COMPLETE ROADWAY.

NAD 83/NSRS 2007

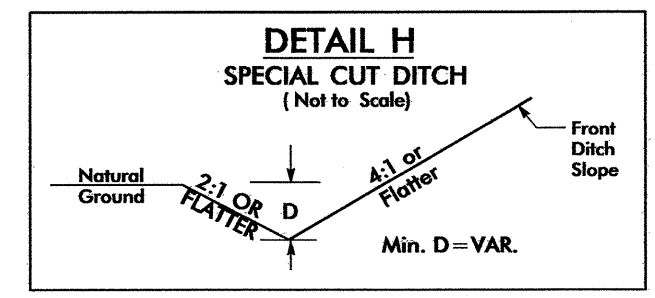
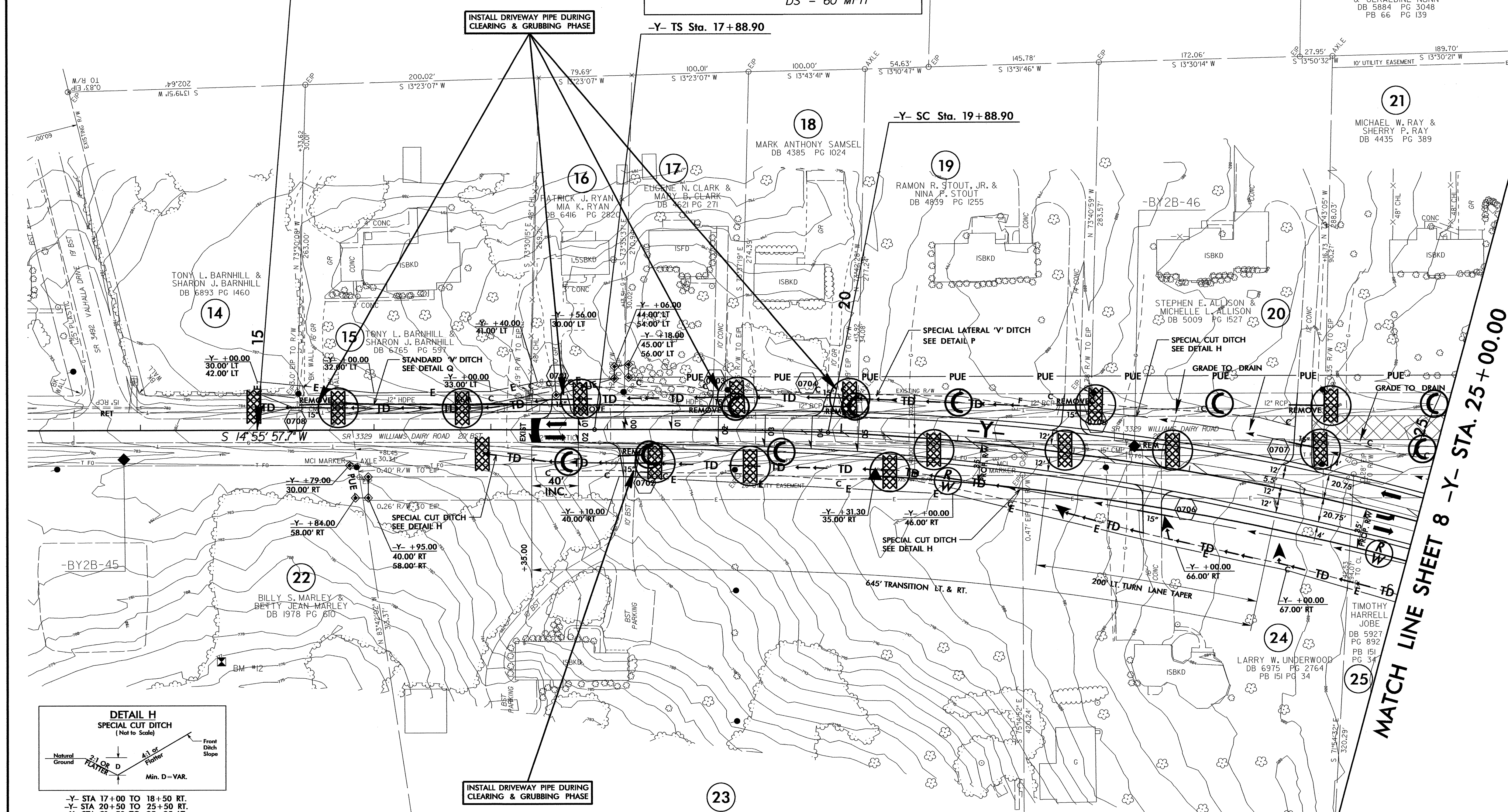


PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-9/CONST.7	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

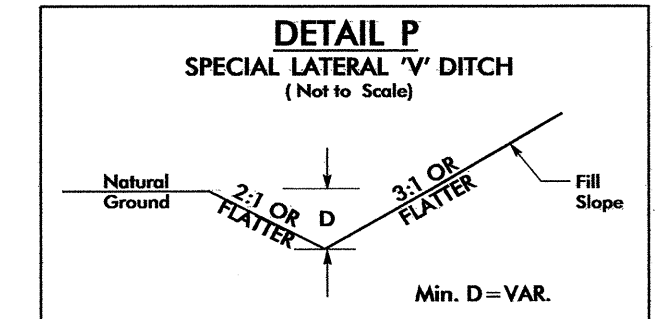
-Y-

PIs Sta 19+22.24	PI Sta 23+68.74
Os = 2' 27' 32.6"	Δ = 18' 31' 05.7" (RT)
Ls = 200.00'	D = 2' 27' 32.6"
LT = 133.35'	L = 753.07'
ST = 66.68'	T = 379.85'
	R = 2,330.00'
	SE = 0.05
	RO = SEE PLANS
	DS = 60 MPH

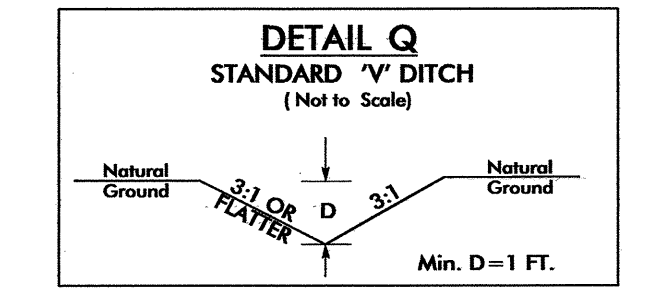
BEGIN CONSTRUCTION -Y- POT Sta. 15+00.00



-Y- STA 17+00 TO 18+50 RT.
-Y- STA 20+50 TO 25+50 RT.
-Y- STA 21+50 TO 25+25 LT.



-Y- STA 20+00 TO 21+50 LT.



-Y- STA 15+00 TO 17+50 LT.

INSTALL DRIVEWAY PIPE DURING CLEARING & GRUBBING PHASE

NAD 83/NSRS 2007

MATCH LINE SHEET 8 -Y- STA. 25+00.00

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7

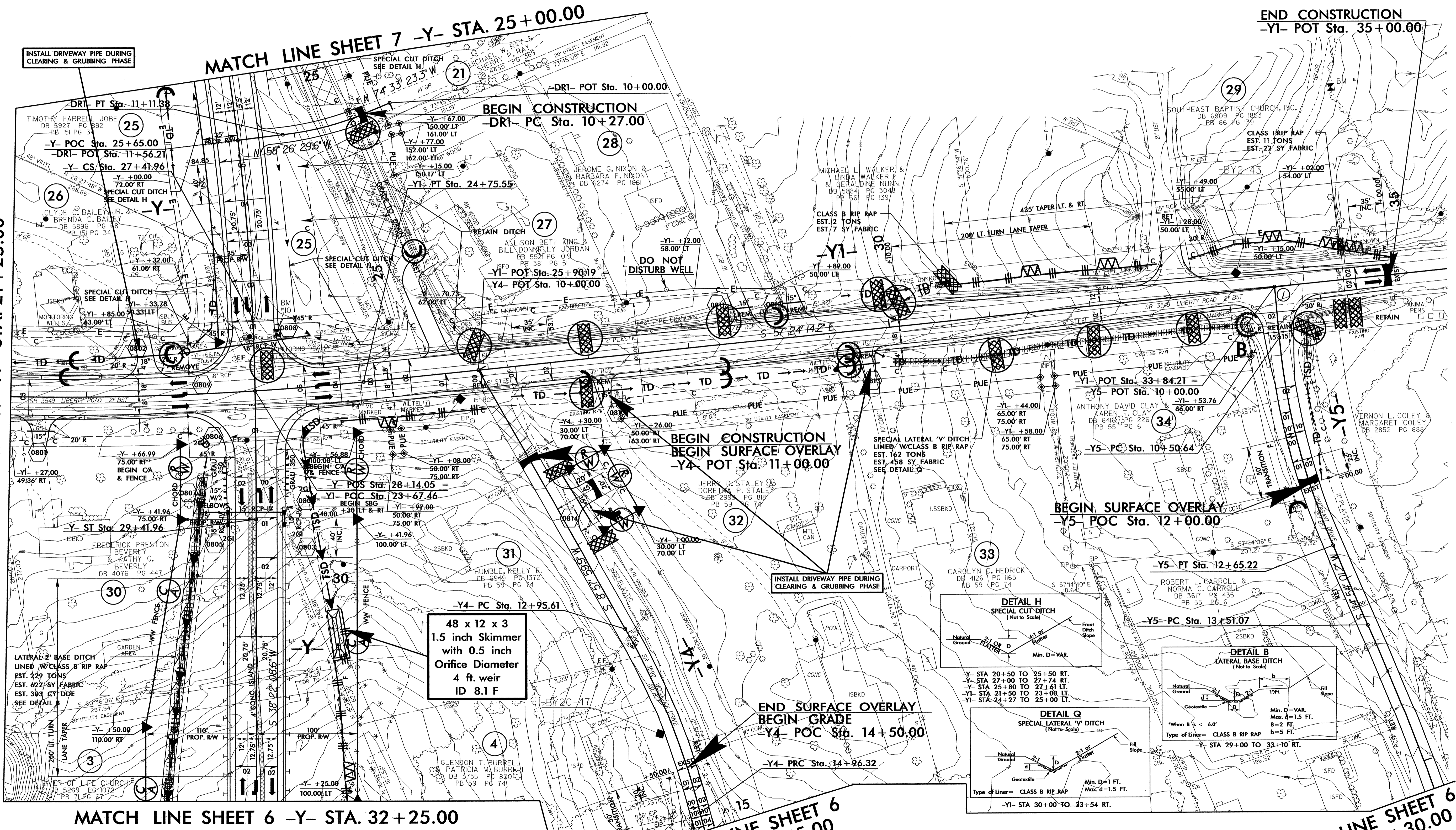
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

B17/99
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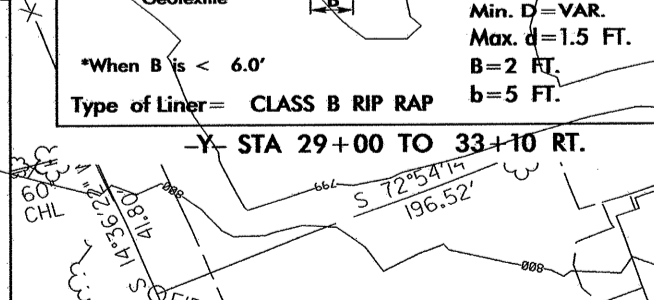
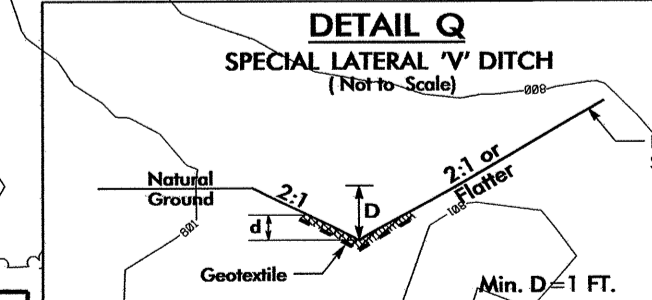
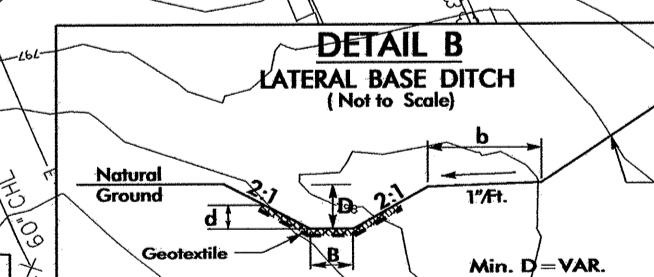
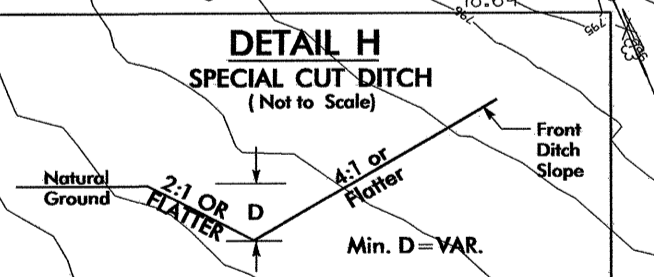
PROJECT REFERENCE NO. R-2612B		SHEET NO. EC-10/CONST.B	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/NRS 2007

MATCH LINE SHEET 11 -Y1- STA. 21+25.00



48 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 8.1 F



NOTE:
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

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

MATCH LINE SHEET 6
-Y4- STA. 15+15.00

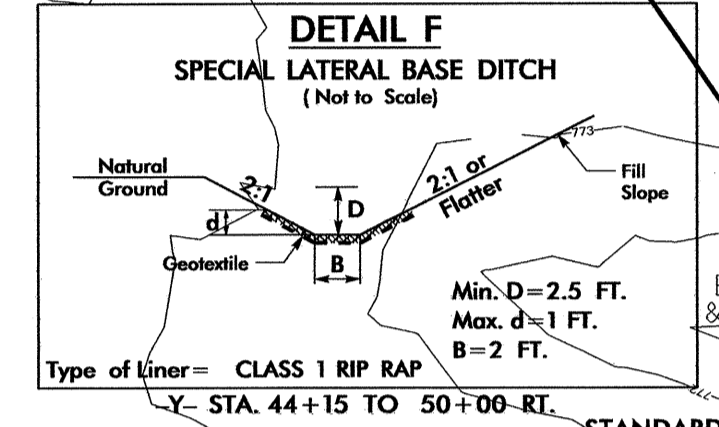
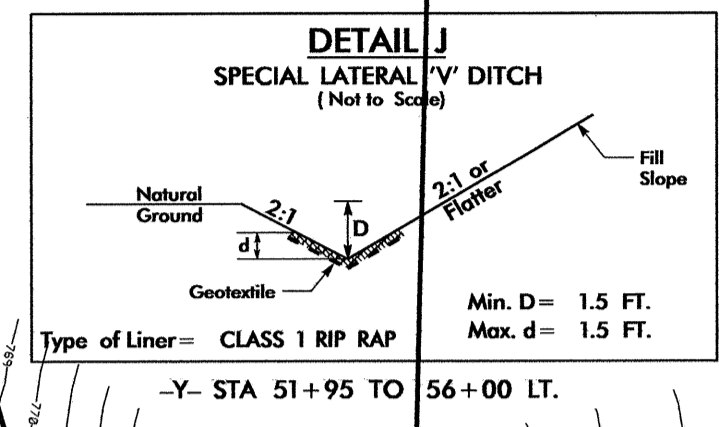
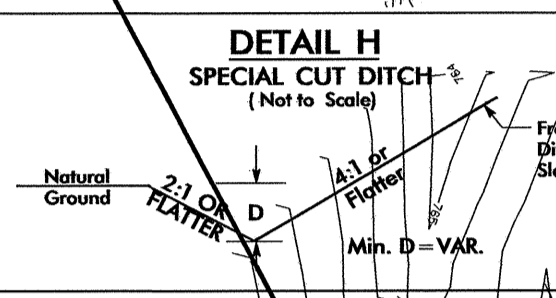
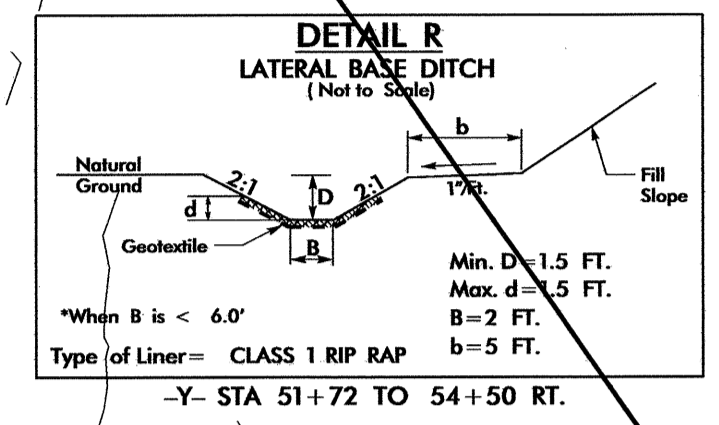
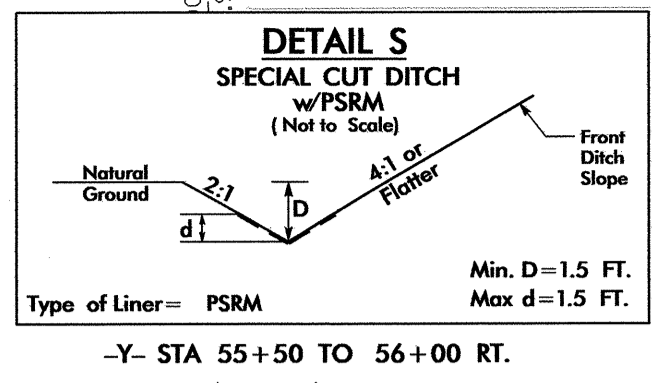
MATCH LINE SHEET 6
-Y5- STA. 15+30.00

PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-II/CONST.9	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

52 x 12 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
5 ft. weir
ID 9.2 CG

56 x 14 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
12 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 9.1 CG

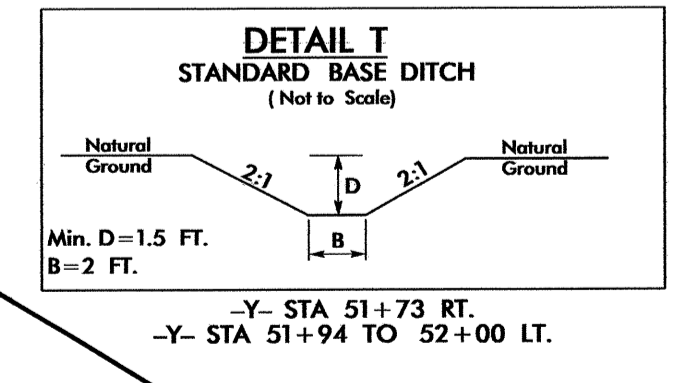
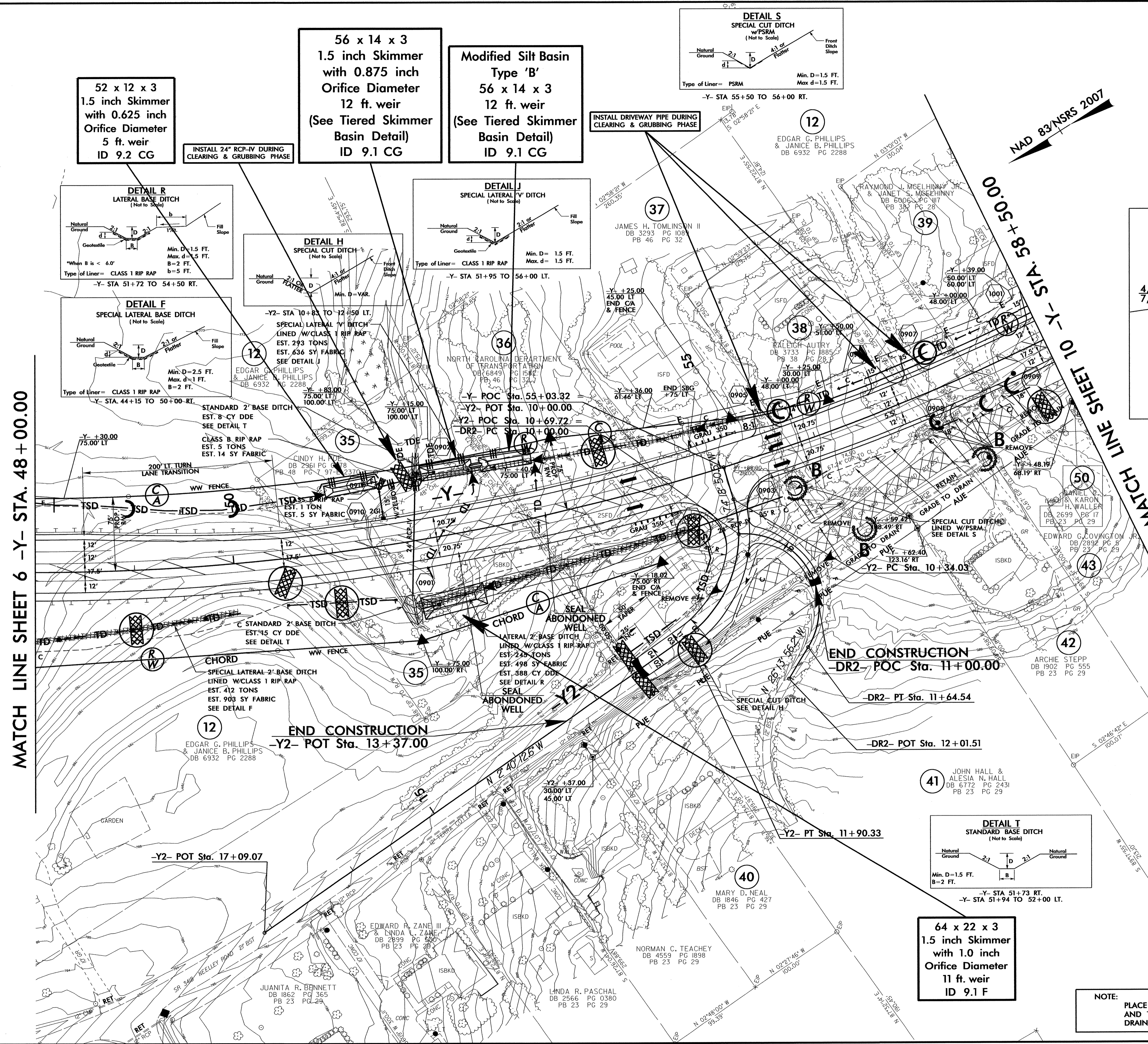
Modified Silt Basin
Type 'B'
56 x 14 x 3
12 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 9.1 CG



MATCH LINE SHEET 6 -Y- STA. 48+00.00

2014 ADT		2034 ADT	
-Y-	SR 3418 NEELLEY RD.	4,333	7,667
<100	<100	<100	<100
-Y2-		SR 3418 NEELLEY RD.	

MATCH LINE SHEET 10 -Y- STA. 85+50.00



64 x 22 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
11 ft. weir
ID 9.1 F

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

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

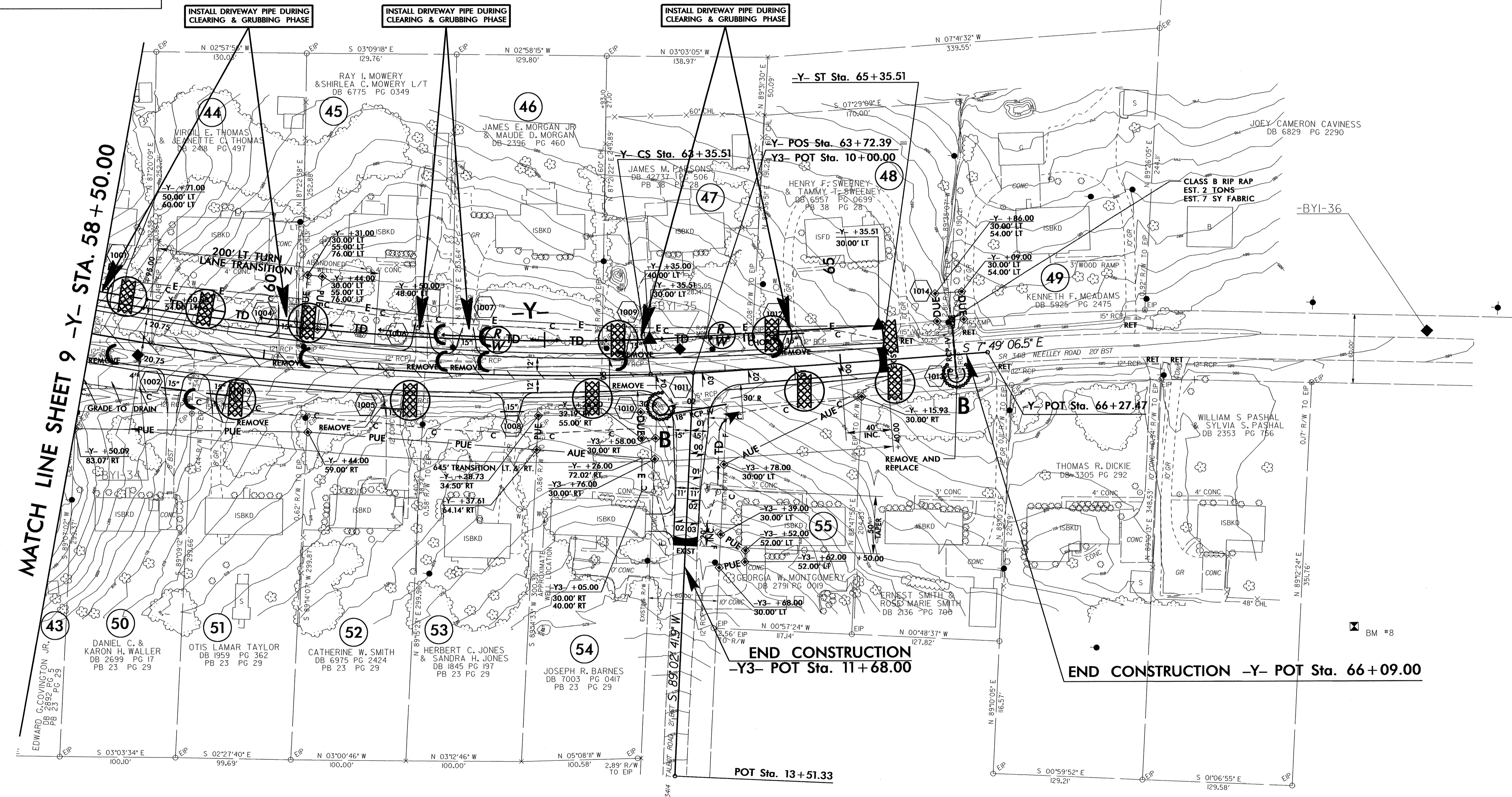
PROJECT REFERENCE NO. R-2612B		SHEET NO. EC-12/CONST.10	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

2014 ADT 2034 ADT		
4,067 7,233	-Y- SR 3418 NEELLEY RD.	2,767 5,183
1,567 2,483	267 433	
1,833 2,917		
-Y3- SR 3414 TALBOT RD.		

-Y-	
PI Sta 55+34.65	PIs Sta 64+02.19
$\Delta = 41' 16" 10.0' (LT)$	$\Theta_s = 2' 27" 32.6'$
$D = 2' 27" 32.6'$	$L_s = 200.00'$
$L = 1,678.27'$	$LT = 133.35'$
$T = 877.40'$	$ST = 66.68'$
$R = 2,330.00'$	
$SE = 0.05$	
$RO = SEE PLANS$	
$DS = 60 MPH$	

EDGAR G. PHILLIPS
& JANICE B. PHILLIPS
DB 6932 PG 2288

NAD 83/NSRS 2007



MATCH LINE SHEET 9 -Y- STA. 58+50.00

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

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

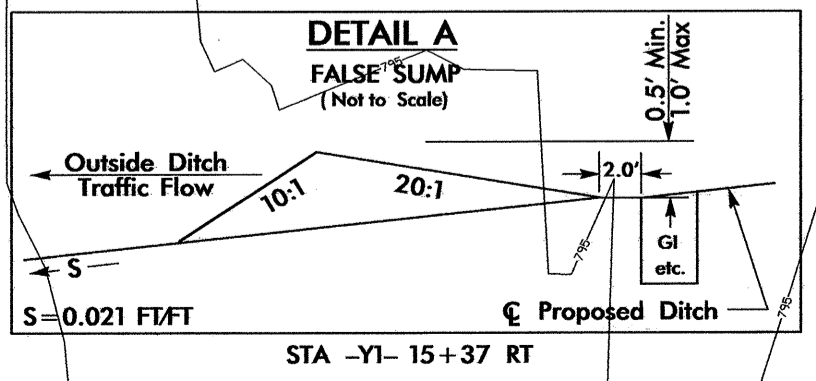
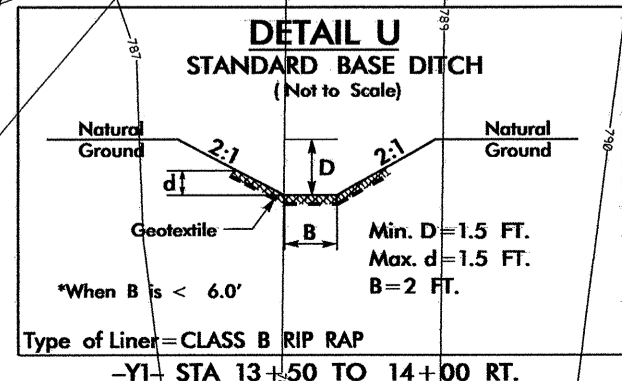
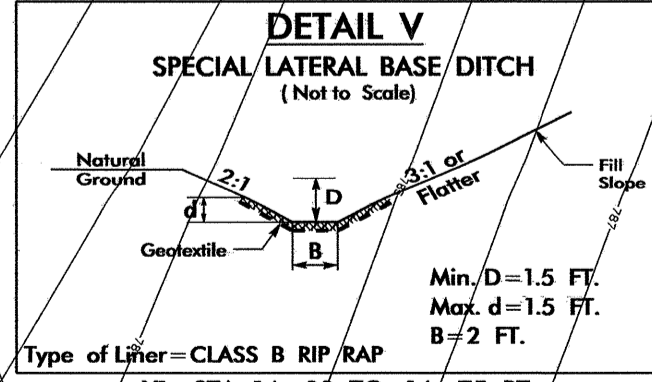
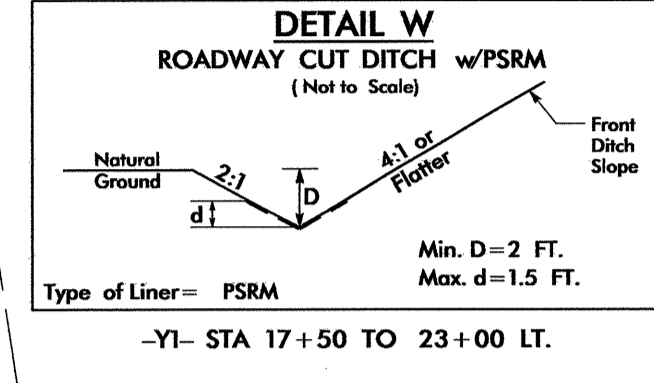
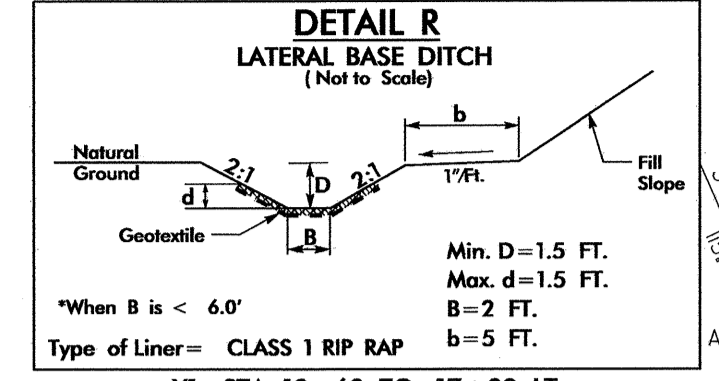
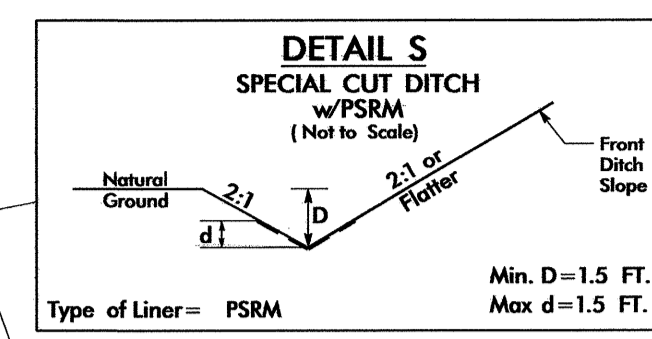
PROJECT REFERENCE NO. R-2612B	SHEET NO. EC-13/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAD 8/15/18/2007

MATCH LINE SHEET 8 -Y1- STA. 21+25.00

70 x 15 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
8 ft. weir
ID 11.1 F

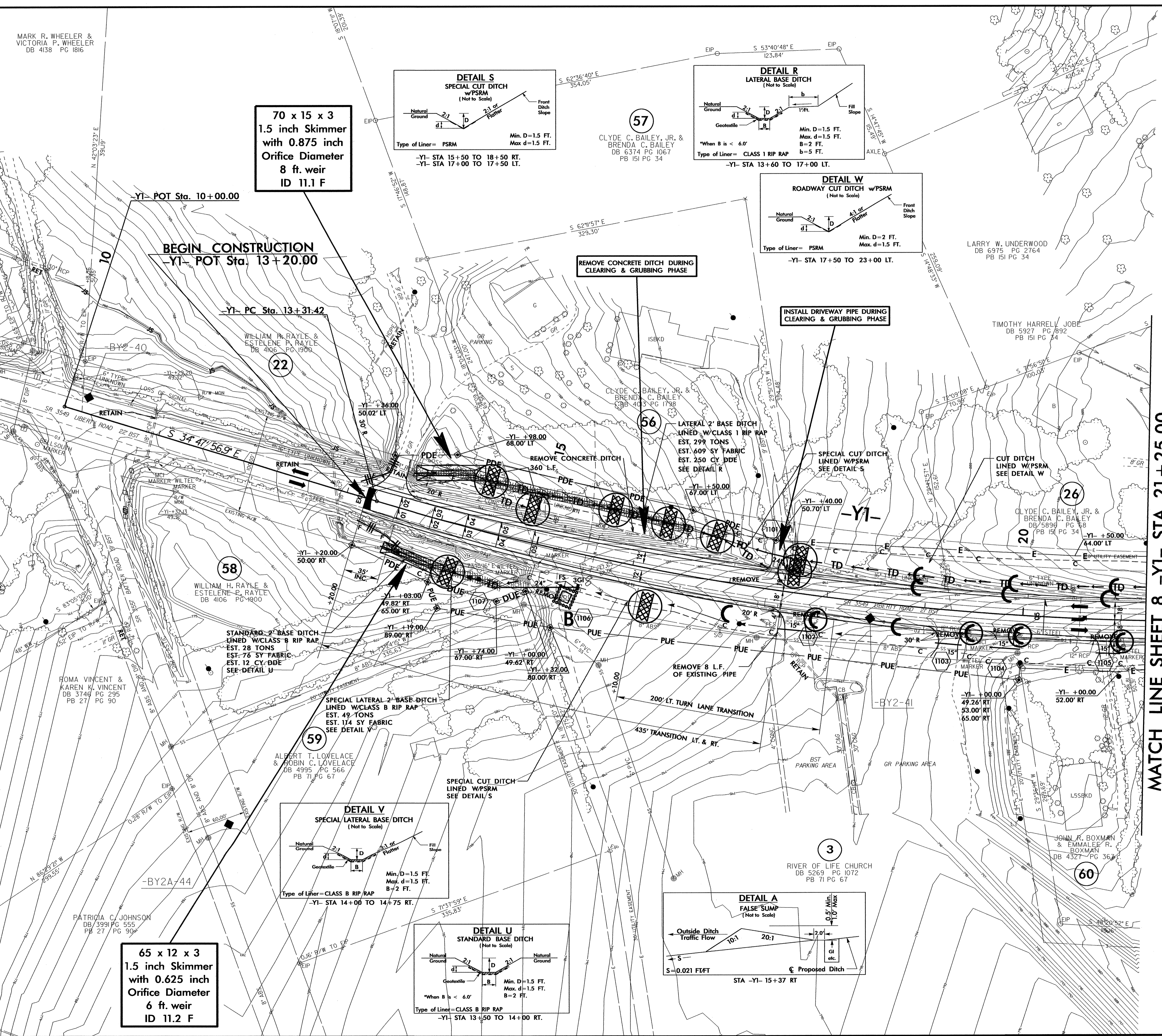
65 x 12 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
6 ft. weir
ID 11.2 F



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

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

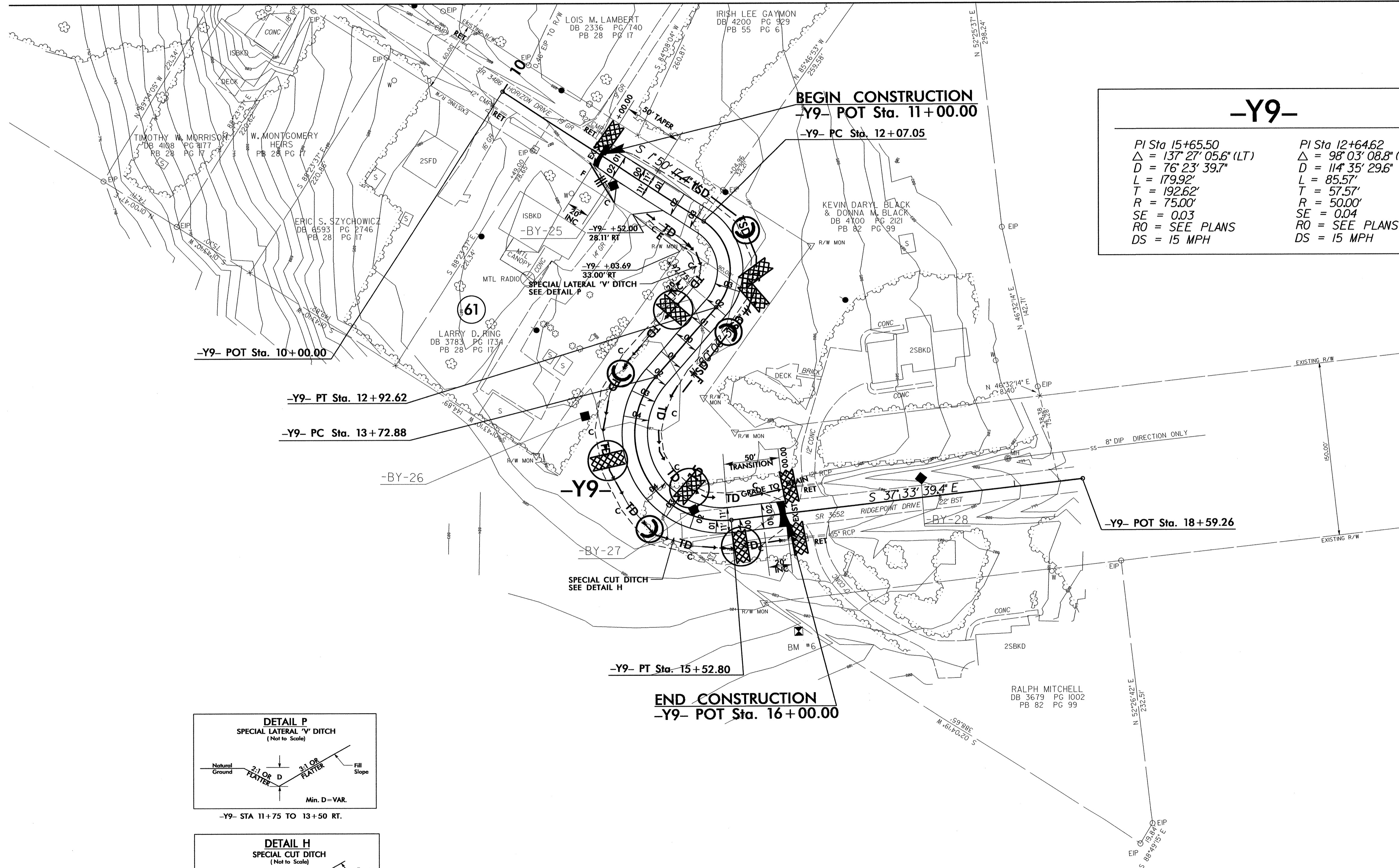
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02-MAR-2014 13:38
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A:\REV\2612B-EC-13-Const.II.dwg
MAD 8/15/18/2007



PROJECT REFERENCE NO. R-2612B	SHEET NO. EC-14/CONST.12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

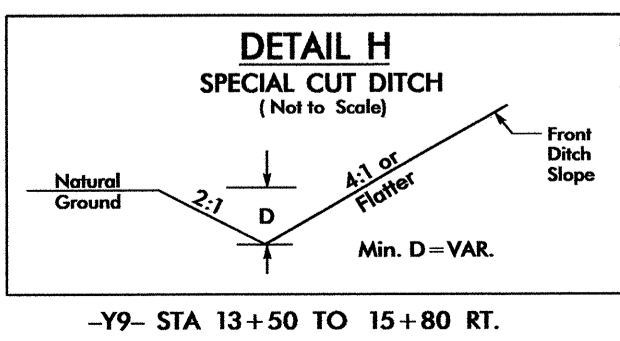
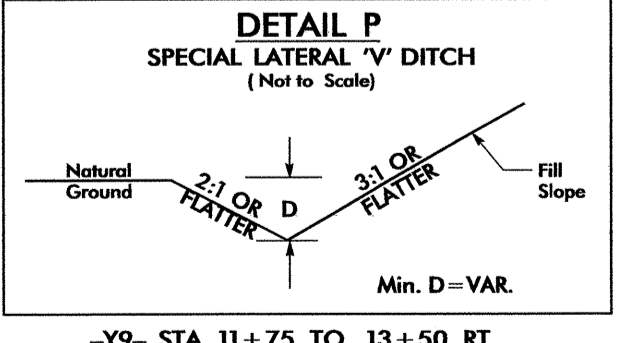
NAD 83/NSRS 2007

MATCH LINE SHEET 4



-Y9-

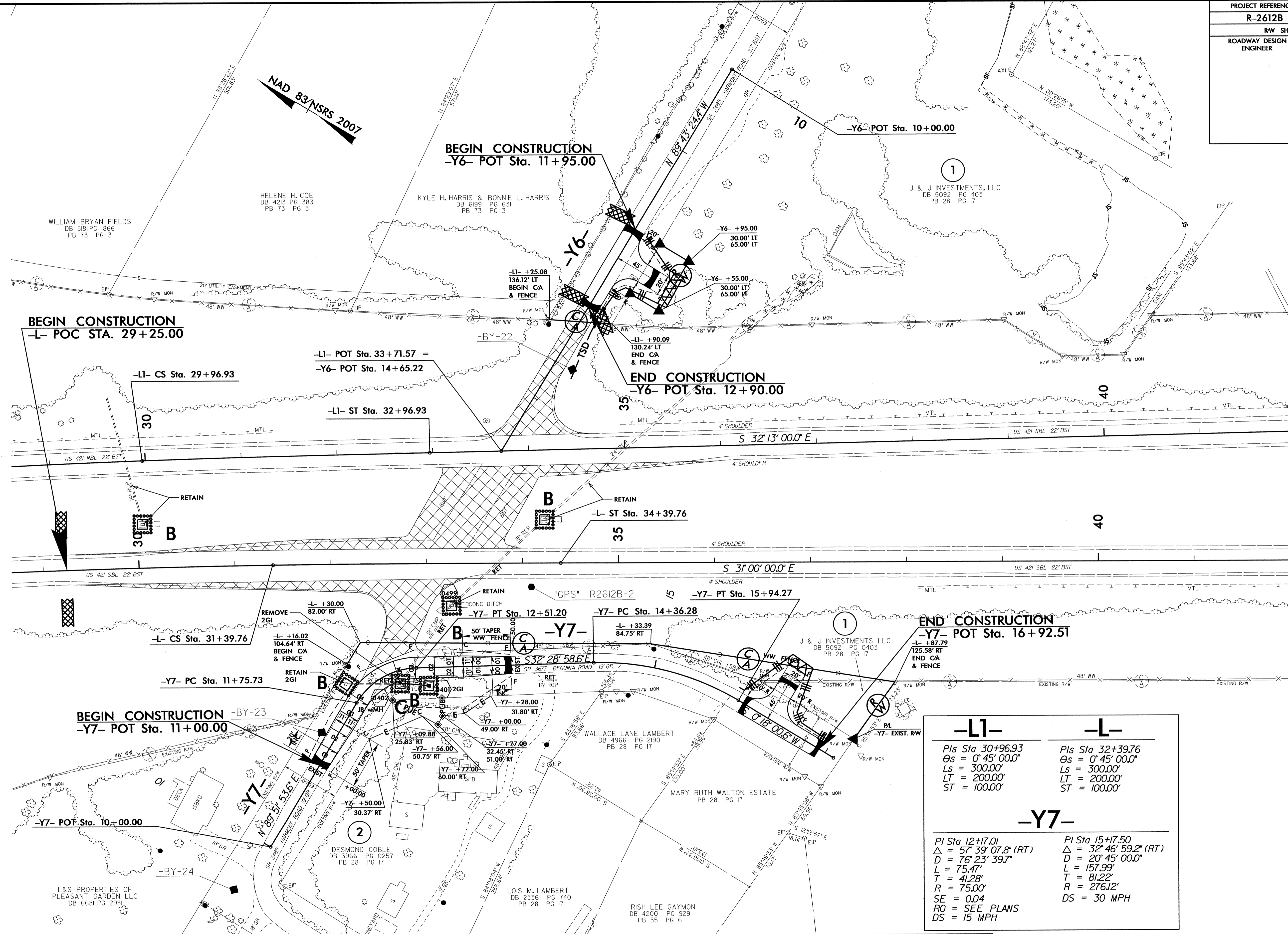
PI Sta 15+65.50 $\Delta = 137^{\circ} 27' 05.6" (LT)$ $D = 76^{\circ} 23' 39.7"$ $L = 179.92'$ $T = 192.62'$ $R = 75.00'$ $SE = 0.03$ $RO = \text{SEE PLANS}$ $DS = 15 \text{ MPH}$	PI Sta 12+64.62 $\Delta = 98^{\circ} 03' 08.8" (RT)$ $D = 114^{\circ} 35' 29.6"$ $L = 85.57'$ $T = 57.57'$ $R = 50.00'$ $SE = 0.04$ $RO = \text{SEE PLANS}$ $DS = 15 \text{ MPH}$
---	---



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

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

PROJECT REFERENCE NO.	SHEET NO.
R-2612B	EC-15/CONST.4
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



MATCH LINE SHEET 5 -L- STA. 42 + 00.00

-L1-	-L-
PIs Sta 30+96.93	PIs Sta 32+39.76
$\Delta = 0' 45' 00.0"$	$\Delta = 0' 45' 00.0"$
$L_s = 300.00'$	$L_s = 300.00'$
$L_T = 200.00'$	$L_T = 200.00'$
$S_T = 100.00'$	$S_T = 100.00'$

-Y7-	-Y7-
PI Sta 12+17.01	PI Sta 15+17.50
$\Delta = 57' 39' 07.8" (RT)$	$\Delta = 32' 46' 59.2" (RT)$
$D = 76' 23' 39.7"$	$D = 20' 45' 00.0"$
$L = 75.47'$	$L = 157.99'$
$T = 41.28'$	$T = 81.22'$
$R = 75.00'$	$R = 276.12'$
$SE = 0.04$	$DS = 30 MPH$
$R_0 = SEE PLANS$	
$DS = 15 MPH$	

MATCH LINE SHEET 12

8/17/09
R:\E\B-2014_1139...N\Design\2612B_EC_psh04.dgn
11/11/2014 11:39 AM

ROMA VINCENT & KAREN K. VINCENT
DB 3717 PG 784
PB 28 PG 11

ROMA VINCENT & KAREN K. VINCENT
DB 3746 PG 295
PB 27 PG 90

PATRICIA C. JOHNSON
DB 3991 PG 555
PB 27 PG 90

WILLIAM HOLT WHITELEY
DB 5542 PG 655
PB 71 PG 67

RIVER OF LIFE CHURCH
DB 5269 PG 1072
PB 71 PG 67

MATCH LINE SHEET 4 -L- STA. 42 + 00.00

-L- POT STA. 47+67.69 BEGIN TIP R-2612B

-L- POT Sta. 50+40.44
-Y8- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y8- POT Sta. 11+20.00

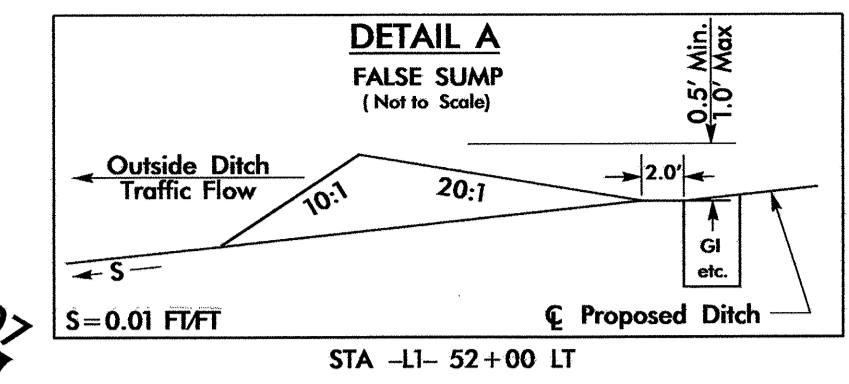
-Y8-
PI Sta 13+21.59
 $\Delta = 4' 27' 52.9''$ (LT)
D = 1' 15' 00.0"
L = 357.18'
T = 178.68'
R = 4,583.66'
DS = 60 MPH

END CONSTRUCTION
-Y8- POC Sta. 12+15.00

-Y8- PT Sta. 15+00.09

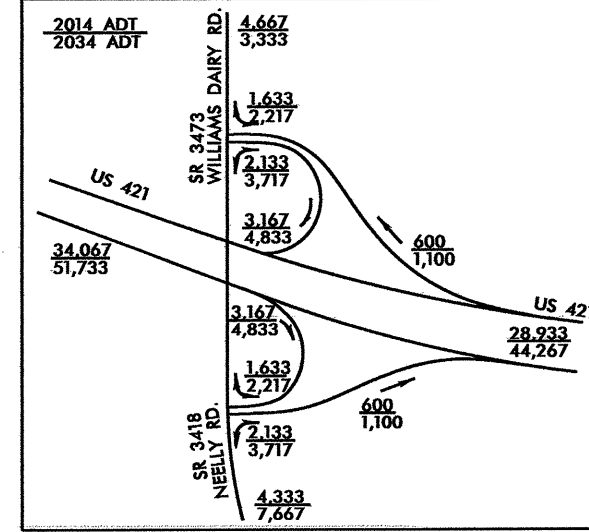
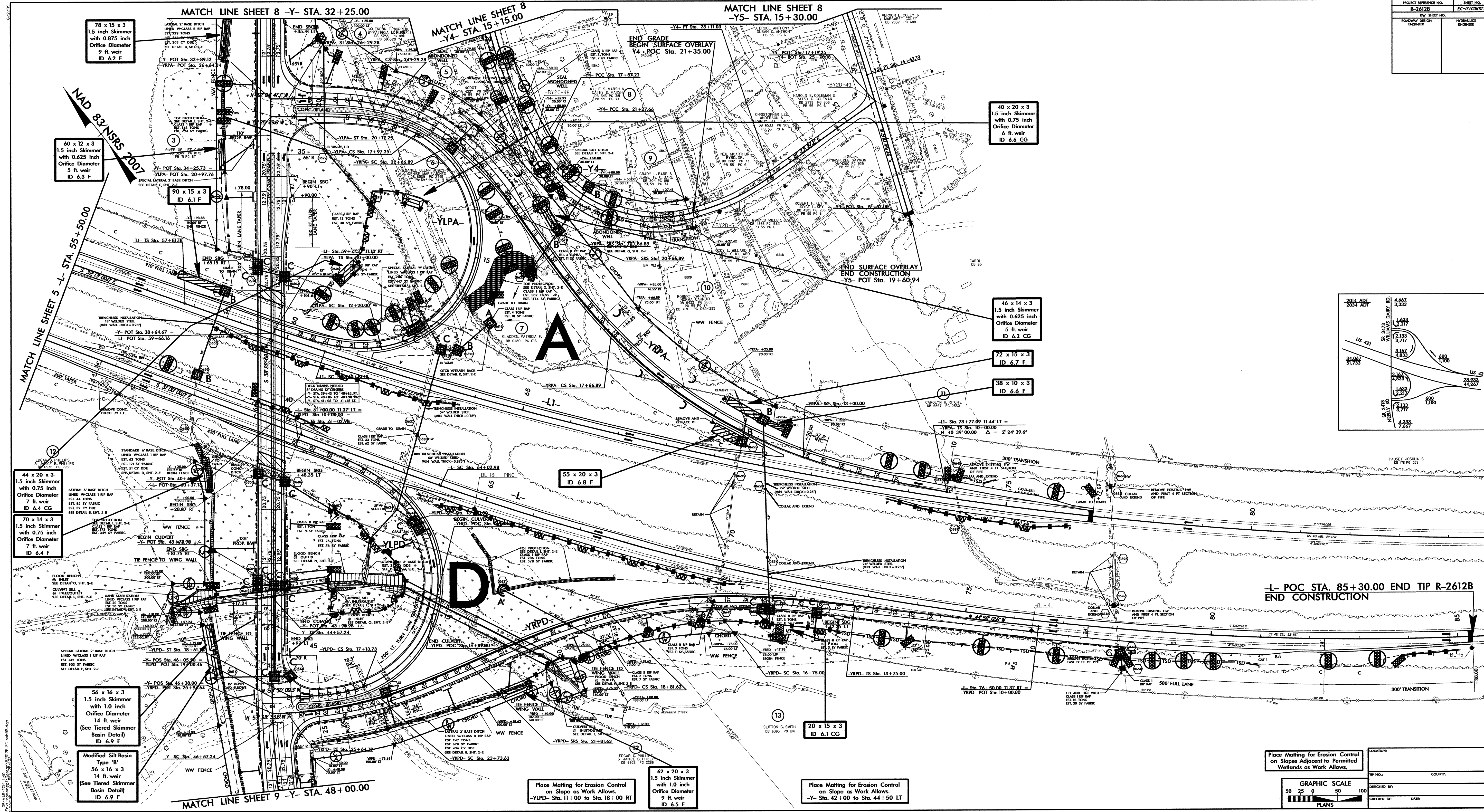
MATCH LINE SHEET 6 -L- STA. 55 + 50.00

PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-16/CONST.5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



NAD 83/NSRS 2007

PROJECT REFERENCE NO.	SHEET NO.
R-2612B	EC-17/CONST.B
ROWING DESIGN ENGINEER	HYDRAULIC ENGINEER



Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.	LOCATION:
	PROJECT NO.:
	COUNTY:
	DESIGNED BY:
	CHECKED BY:
	DATE:

8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-18/CONST.7	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

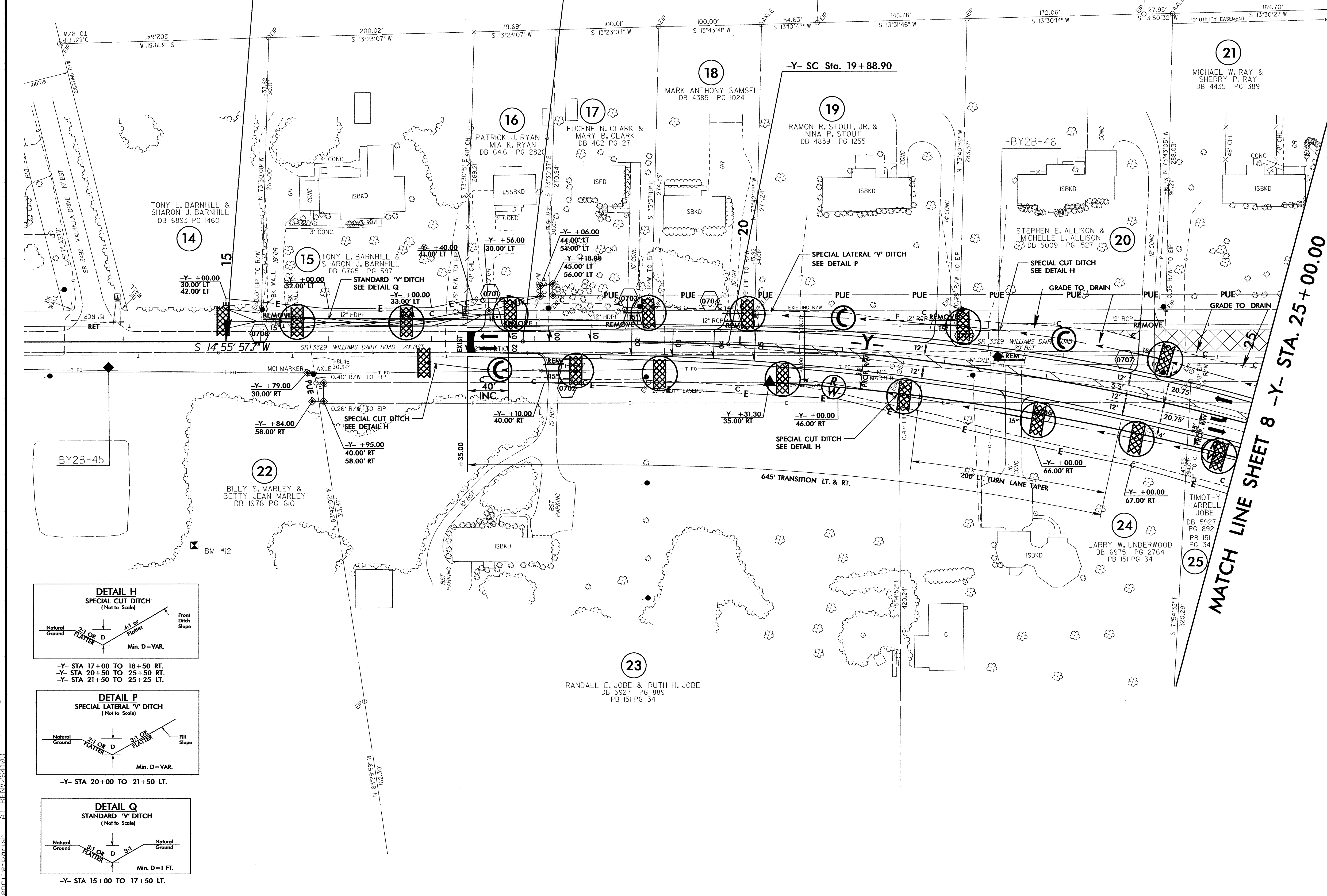
-Y-

PIs Sta 19+22.24	PI Sta 23+68.74
$\Theta_s = 2' 27' 32.6''$	$\Delta = 18' 31' 05.7''$ (RT)
$L_s = 200.00'$	$D = 2' 27' 32.6''$
$LT = 133.35'$	$L = 753.07'$
$ST = 66.68'$	$T = 379.85'$
	$R = 2,330.00'$
	$SE = 0.05$
	$RO = \text{SEE PLANS}$
	$DS = 60 \text{ MPH}$

BEGIN CONSTRUCTION -Y- POT Sta. 15+00.00

-Y- TS Sta. 17+88.90

-Y- SC Sta. 19+88.90

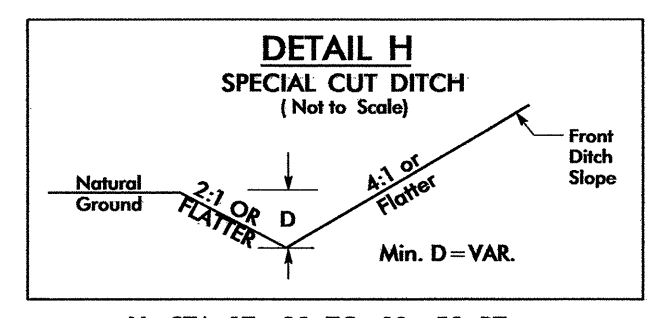


MICHAEL L. WALKER &
LINDA WALKER
& GERALDINE NUNN
DB 5884 PG 3048
PB 66 PG 139

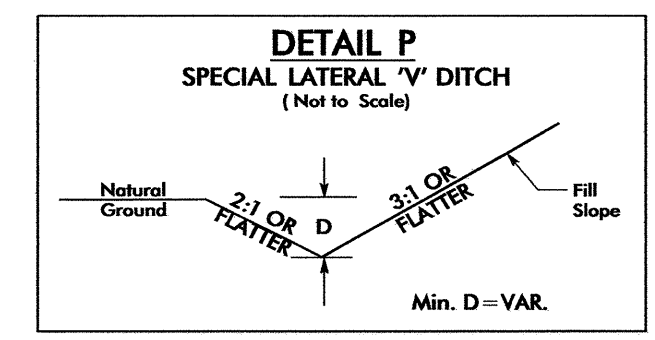
MICHAEL W. RAY &
SHERRY P. RAY
DB 4435 PG 389

NAD 83/NSRS 2007

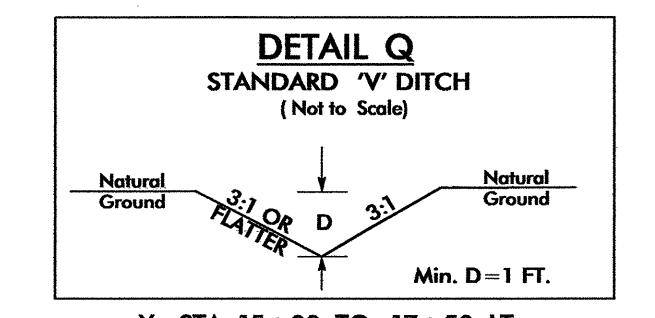
MATCH LINE SHEET 8 -Y- STA. 25+00.00



-Y- STA 17+00 TO 18+50 RT.
-Y- STA 20+50 TO 25+50 RT.
-Y- STA 21+50 TO 25+25 LT.



-Y- STA 20+00 TO 21+50 LT.



-Y- STA 15+00 TO 17+50 LT.

R:\MAR-2014\1113\Design\2612B_EC_psf07.dgn
 RANDY.PENNY

8/17/99

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-19/CONST.B	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER			

NAD 83/NRS 2007

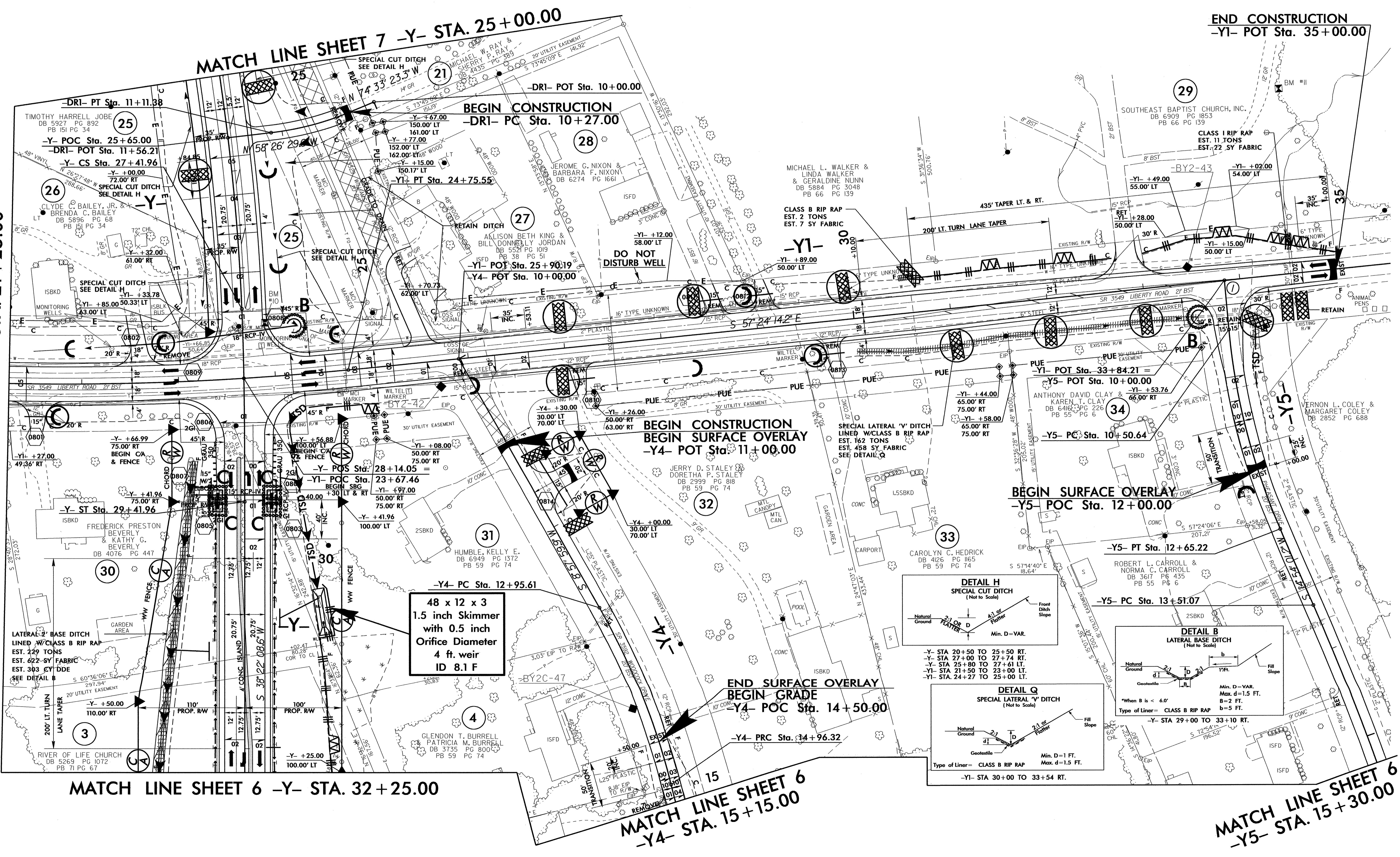
MATCH LINE SHEET 11 -Y1- STA. 21+25.00

MATCH LINE SHEET 6 -Y- STA. 32+25.00

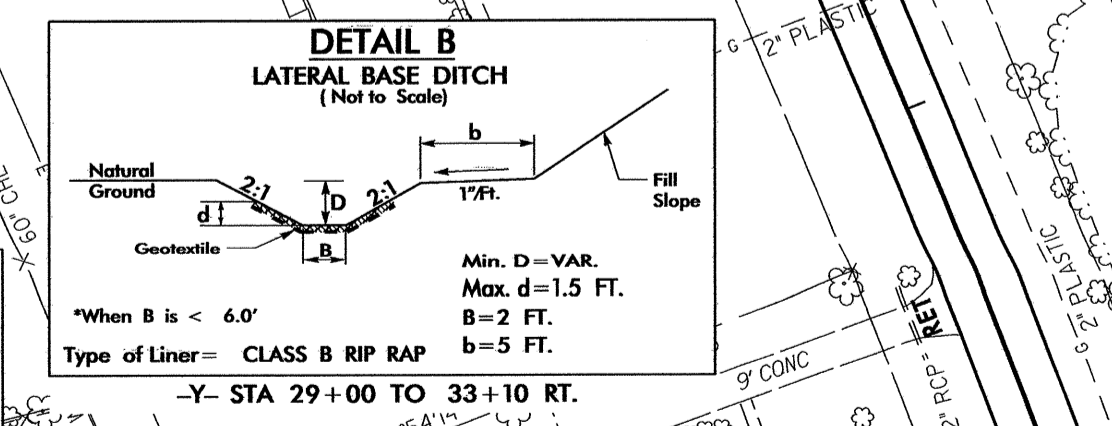
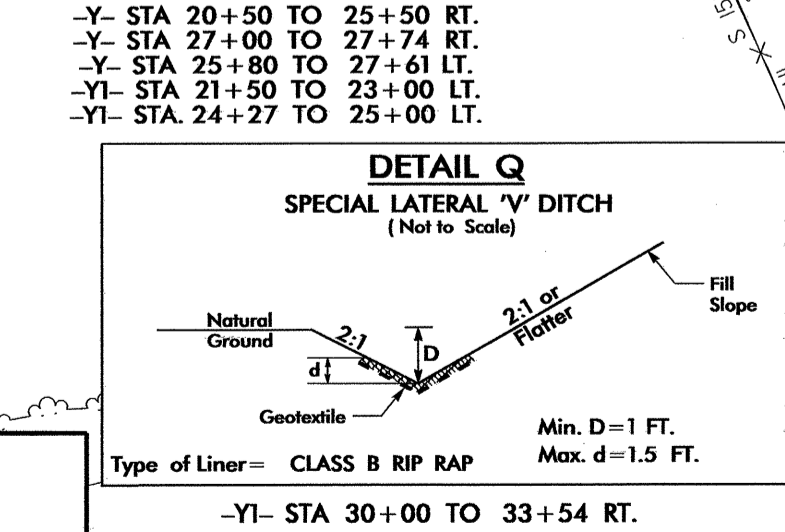
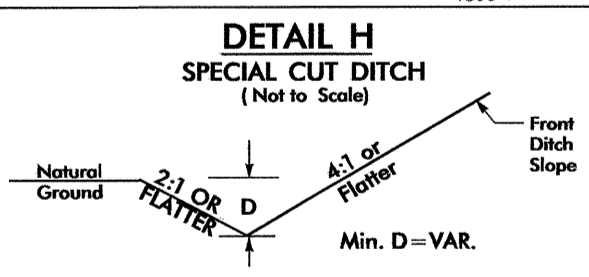
MATCH LINE SHEET 6 -Y4- STA. 15+15.00

END CONSTRUCTION -Y1- POT Sta. 35+00.00

MATCH LINE SHEET 6 -Y5- STA. 15+30.00



48 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 8.1 F



02-MAR-2014 17:27 D:\99\2612B-EC.pst\08.dgn

8/17/99
 12/2/13 - RW REVISION: REVISED PUE TO AUE ON PARCEL 42... TLW
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PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-20/CONSTR	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

2014 ADT		2034 ADT	
-Y-	SR 3418 NEELLEY RD.	4,333	7,667
<100	<100	<100	<100
-Y-	SR 3418 NEELLEY RD.		

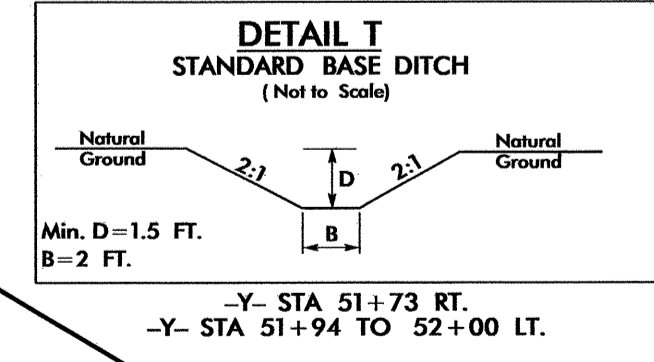
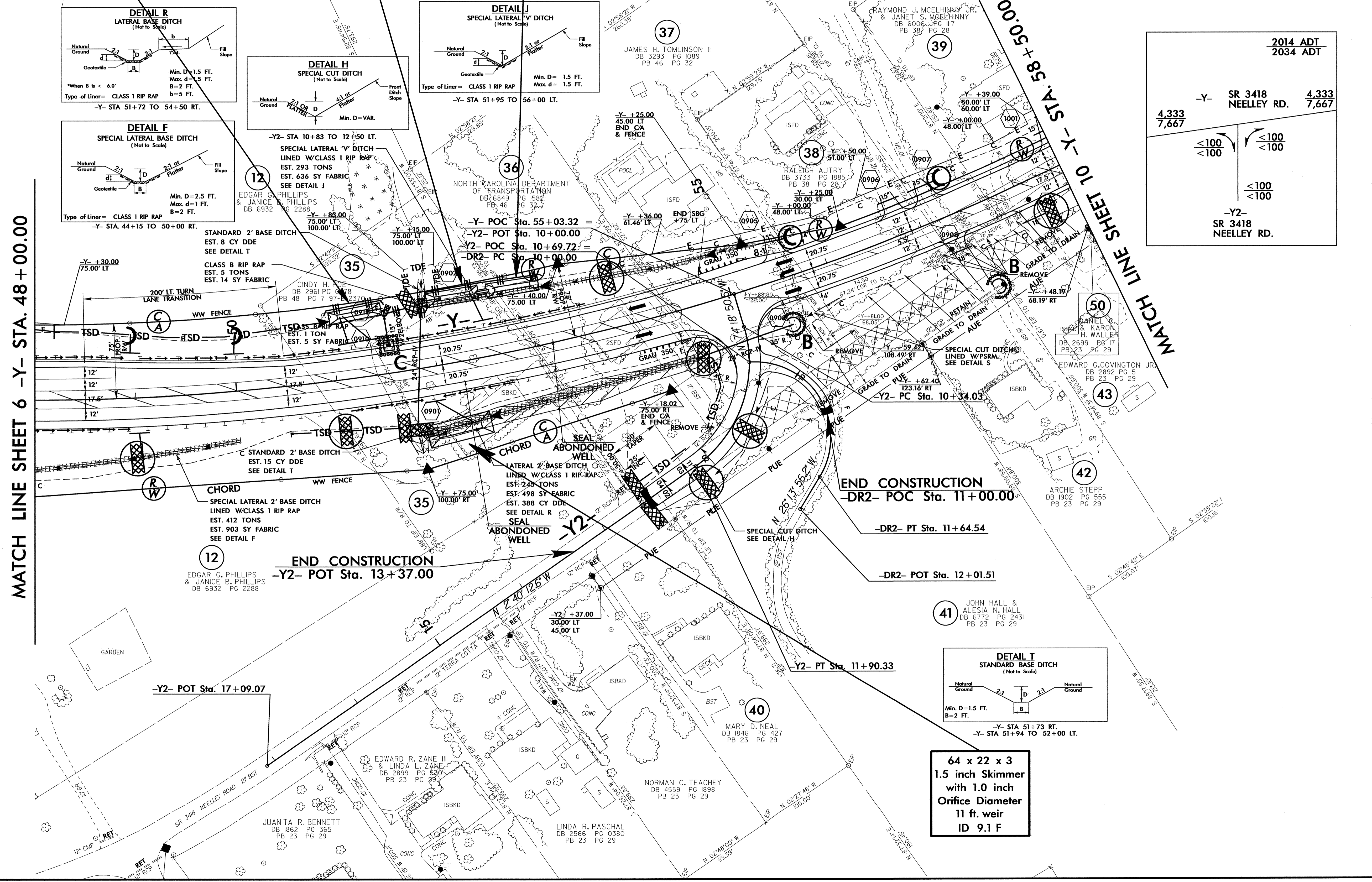
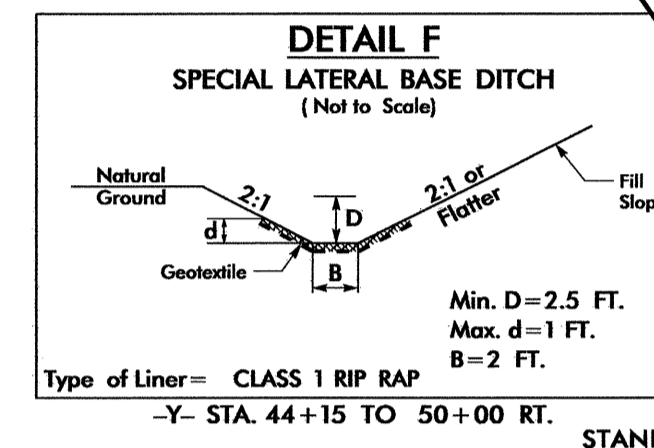
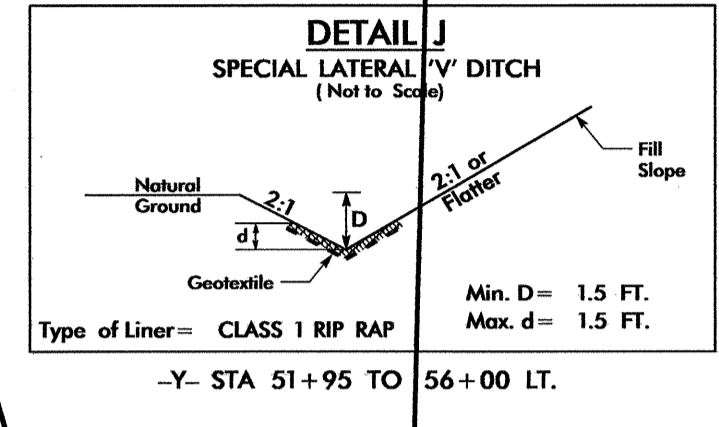
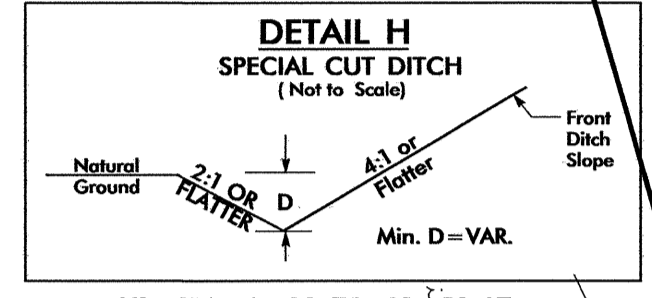
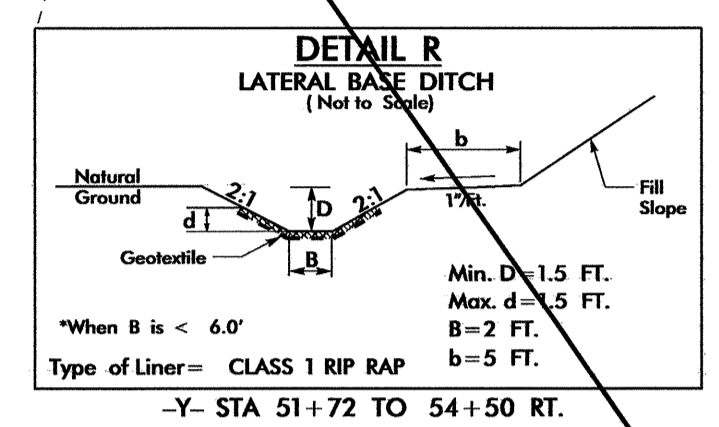
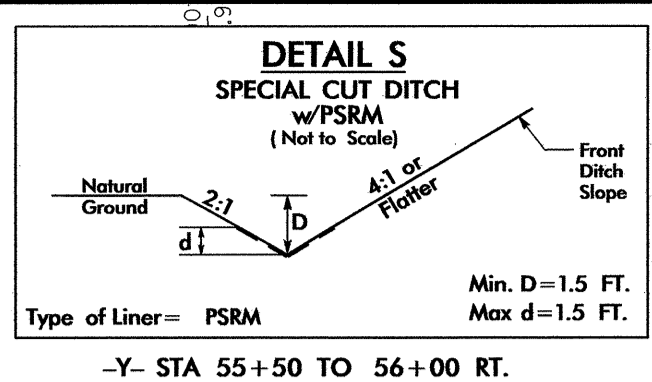
MATCH LINE SHEET 6 -Y- STA. 48+00.00

MATCH LINE SHEET 10 -Y- STA. 38+30.00

52 x 12 x 3
 1.5 inch Skimmer
 with 0.625 inch
 Orifice Diameter
 5 ft. weir
 ID 9.2 CG

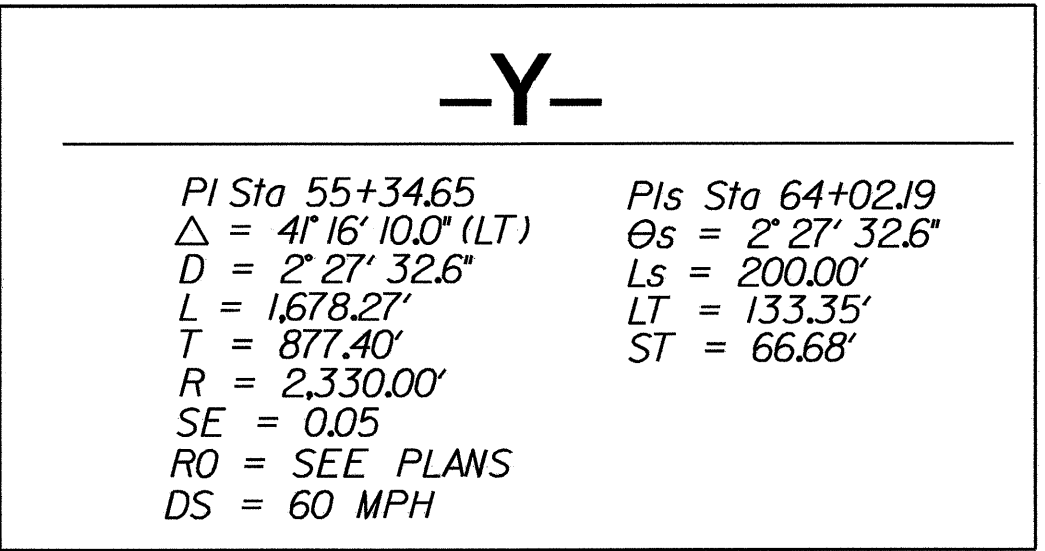
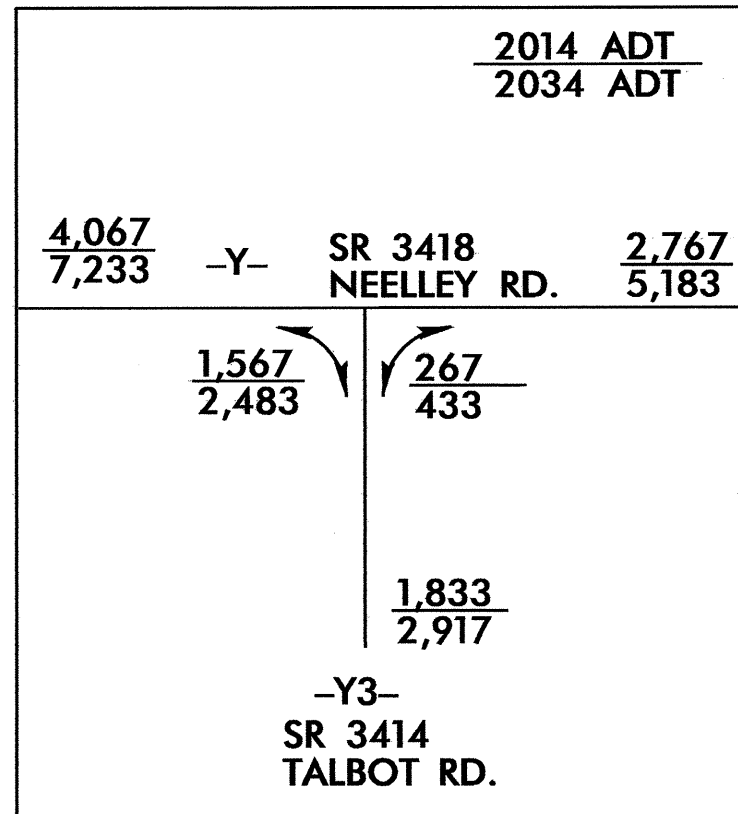
56 x 14 x 3
 1.5 inch Skimmer
 with 0.875 inch
 Orifice Diameter
 12 ft. weir
 (See Tiered Skimmer
 Basin Detail)
 ID 9.1 CG

Modified Silt Basin
 Type 'B'
 56 x 14 x 3
 12 ft. weir
 (See Tiered Skimmer
 Basin Detail)
 ID 9.1 CG



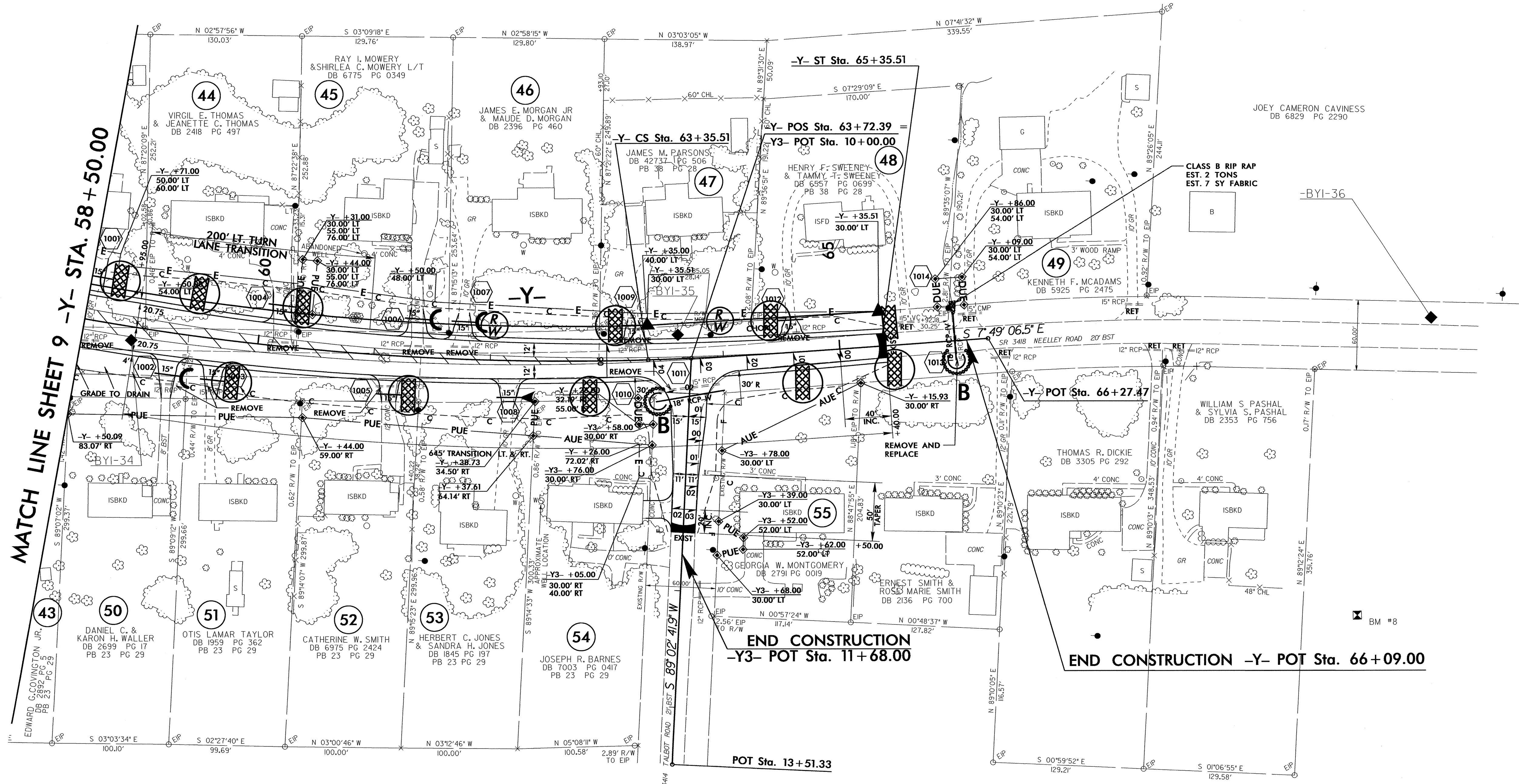
64 x 22 x 3
 1.5 inch Skimmer
 with 1.0 inch
 Orifice Diameter
 11 ft. weir
 ID 9.1 F

PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-21/CONST.10	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



EDGAR G. PHILLIPS
& JANICE B. PHILLIPS
DB 6932 PG 2288

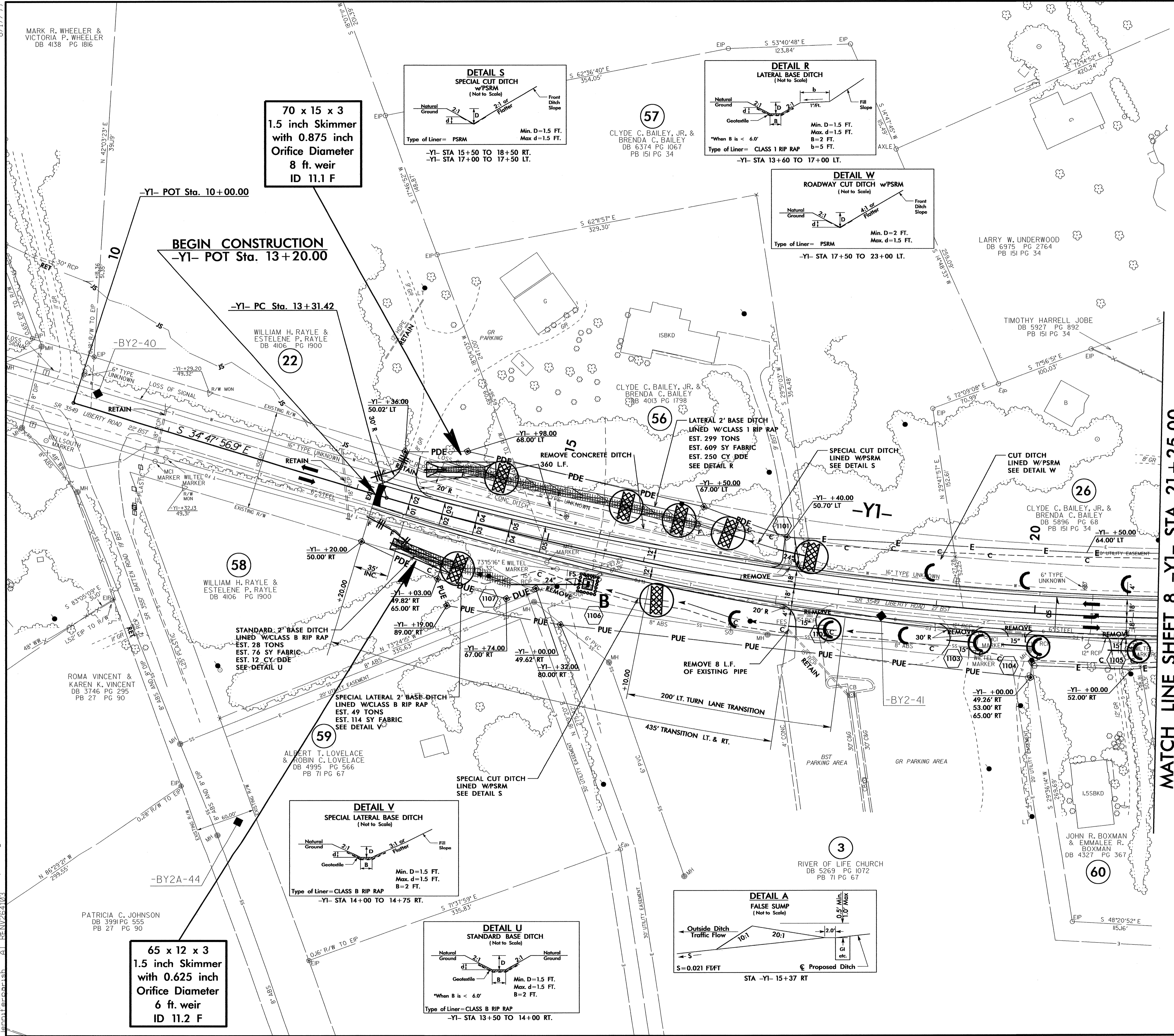
NAD 83/NSRS 2007



27-FEB-2014 16:28
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 jannetcarroll

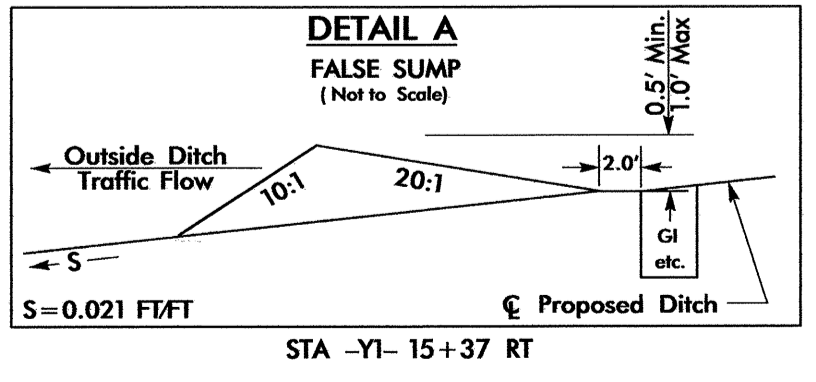
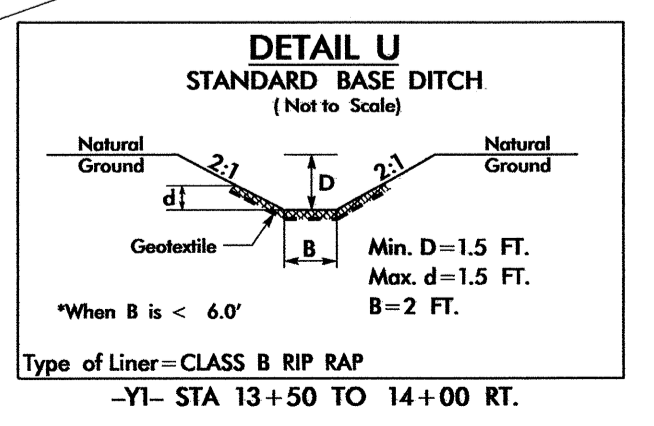
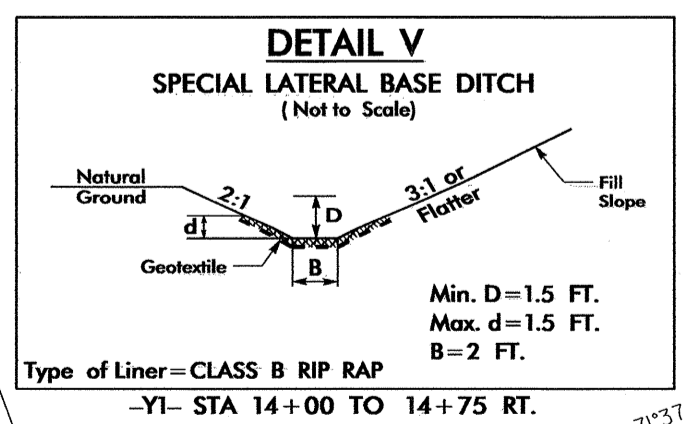
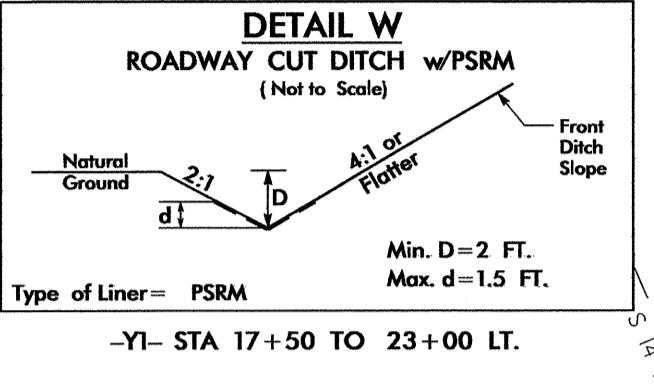
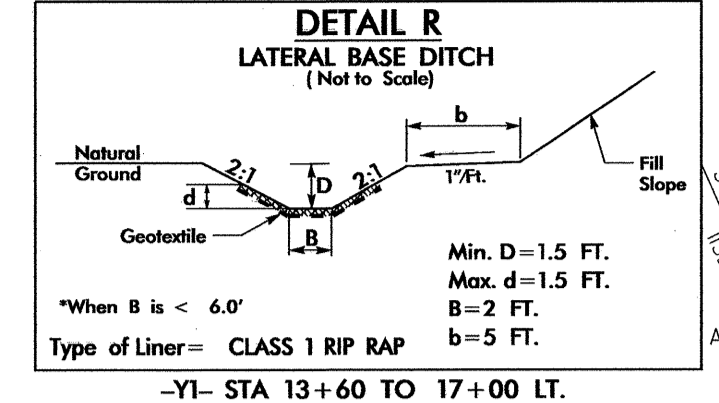
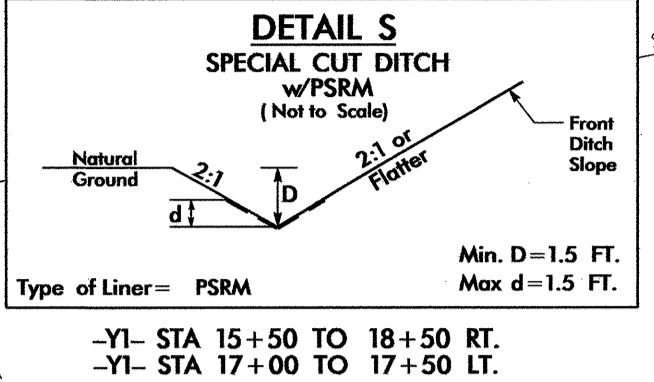
PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-22/CONST.11	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

8/17/99
CR: MAR-2014 13:39
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**70 x 15 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
8 ft. weir
ID 11.1 F**

**65 x 12 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
6 ft. weir
ID 11.2 F**



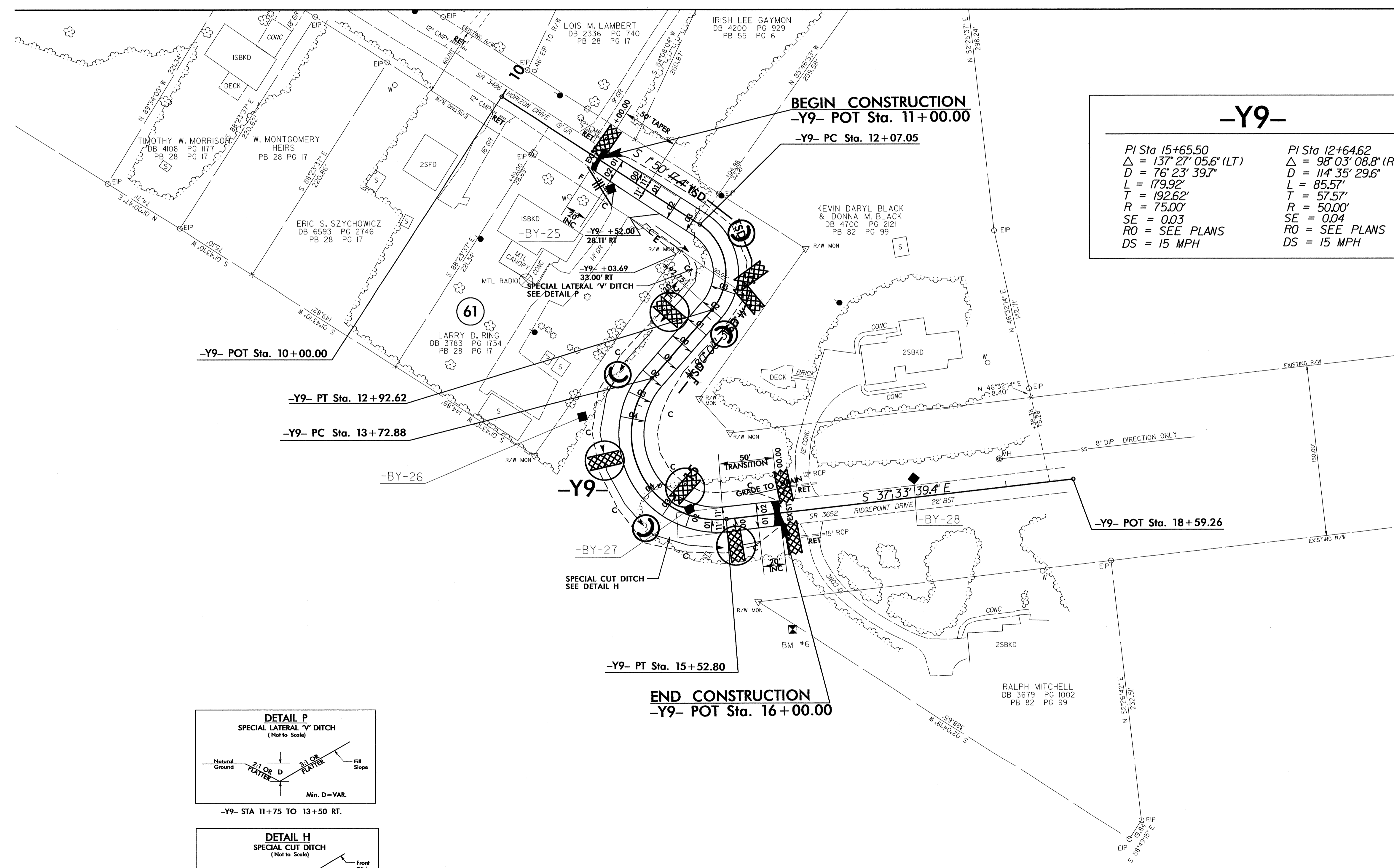
NAD 83/NSRS 2011

MATCH LINE SHEET 8 -Y1- STA. 21+25.00

PROJECT REFERENCE NO.		SHEET NO.	
R-2612B		EC-23/CONSTJ2	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/NSRS 2007

MATCH LINE SHEET 4



-Y9-

PI Sta 15+65.50 $\Delta = 137^{\circ} 27' 05.6''$ (LT) $D = 76^{\circ} 23' 39.7''$ $L = 179.92'$ $T = 192.62'$ $R = 75.00'$ $SE = 0.03$ $RO = \text{SEE PLANS}$ $DS = 15 \text{ MPH}$	PI Sta 12+64.62 $\Delta = 98^{\circ} 03' 08.8''$ (RT) $D = 114^{\circ} 35' 29.6''$ $L = 85.57'$ $T = 57.57'$ $R = 50.00'$ $SE = 0.04$ $RO = \text{SEE PLANS}$ $DS = 15 \text{ MPH}$
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