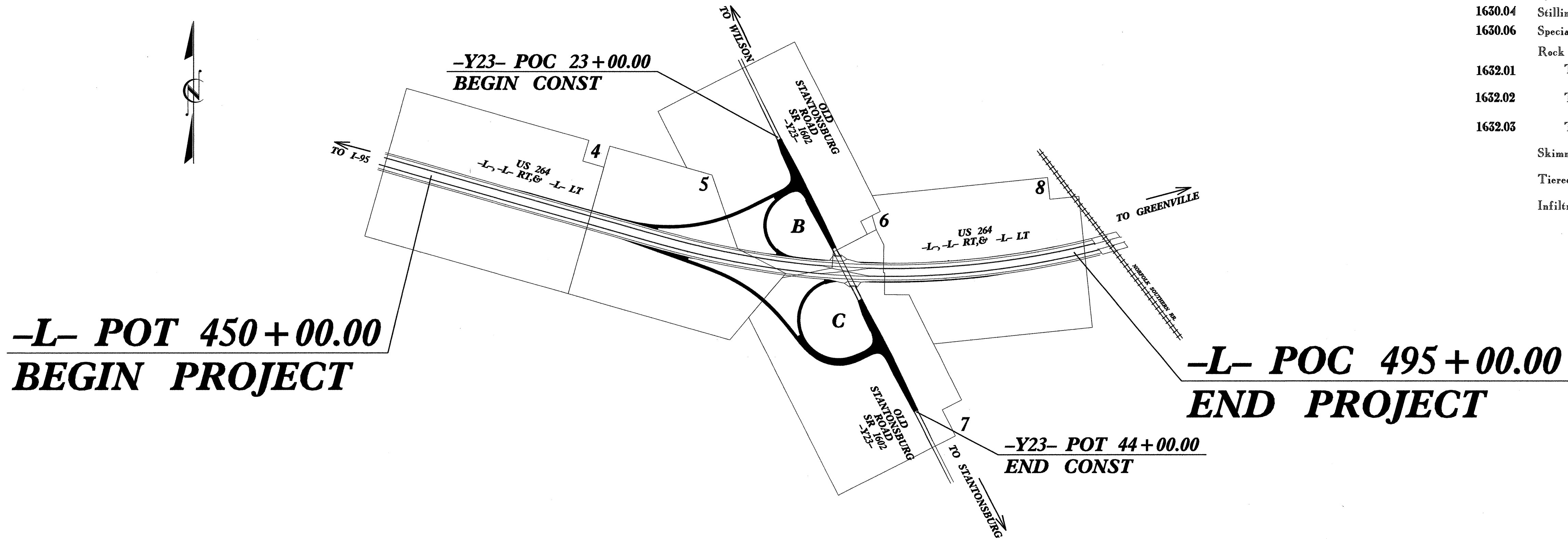


TIP PROJECT: R-4737

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

**LOCATION: INTERCHANGE AT US-264 AND
 SR-1602 (OLD STANTONSBURG ROAD)**

TYPE OF WORK: GRADING, DRAINAGE AND PAVING



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-4737	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	III III III
1622.01	Temporary Berms and Slope Drains	—
1630.01	Riser Basin	⊙
1630.01	Silt Basin Type B	⊙
1633.01	Temporary Rock Silt Check Type-A	⊙
1633.01	Temporary Rock Silt Check Type-B	⊙
1633.01	Wattle	⊙
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.**

**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.*

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

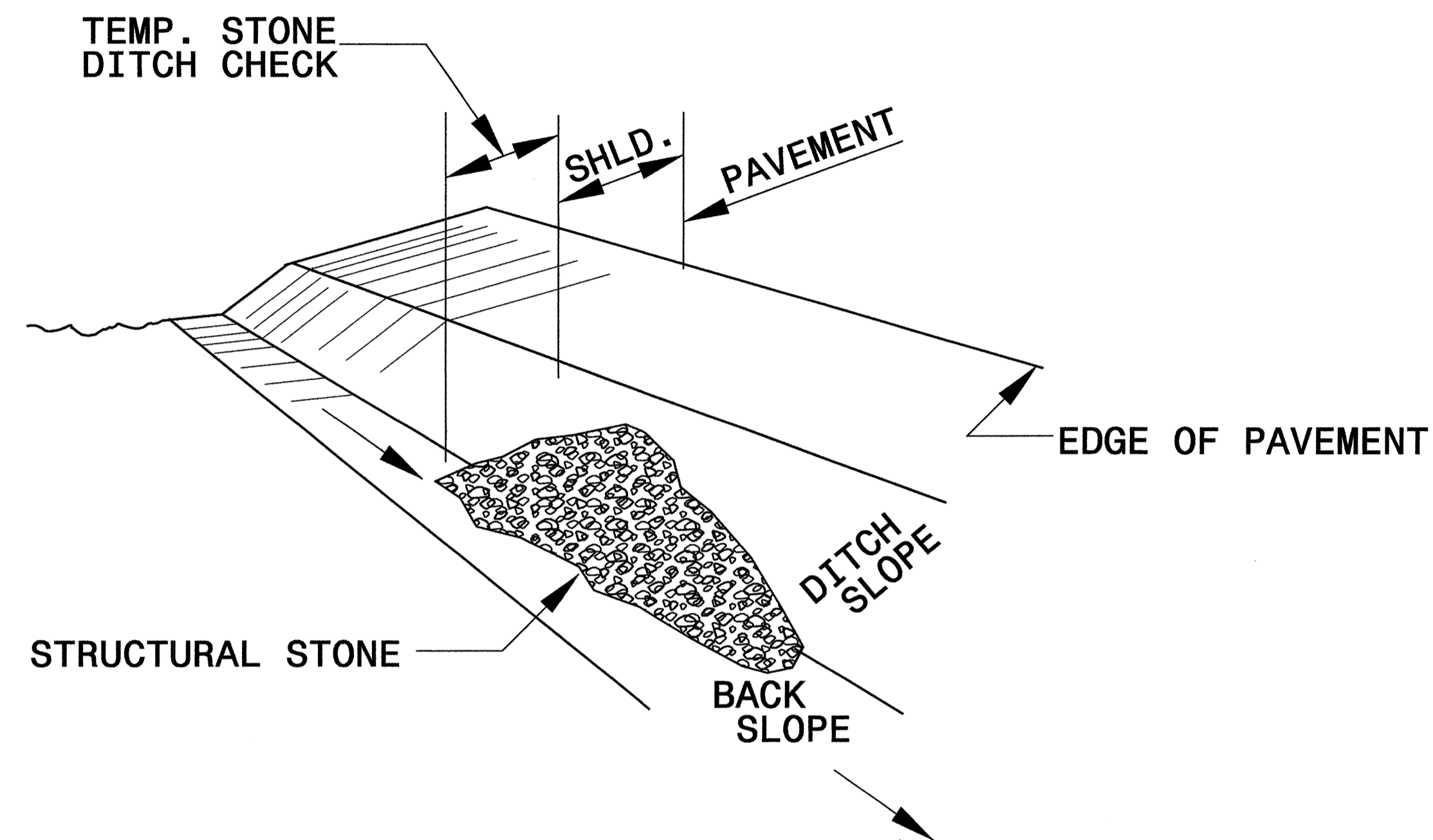
Roadway Standard Drawings

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
1606.01 Special Sediment Control Fence	1633.01 Temporary Rock Silt Check Type A
1607.01 Gravel Construction Entrance	1635.01 Rock Pipe Inlet Sediment Trap Type A
1622.01 Temporary Berms and Slope Drains	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.03 Temporary Silt Ditch	
1630.05 Temporary Diversion	

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 16/11/2009 11:00:00 AM

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

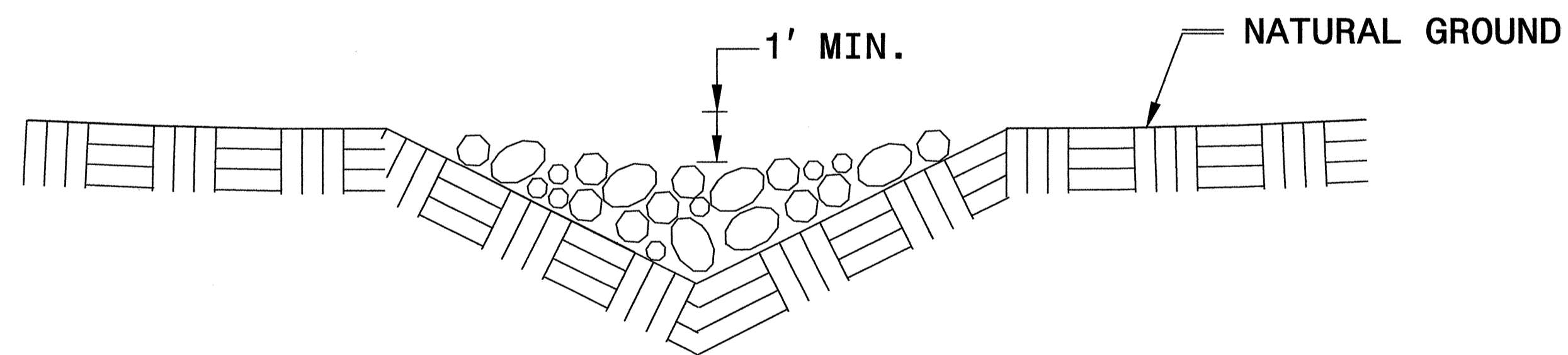


ISOMETRIC VIEW

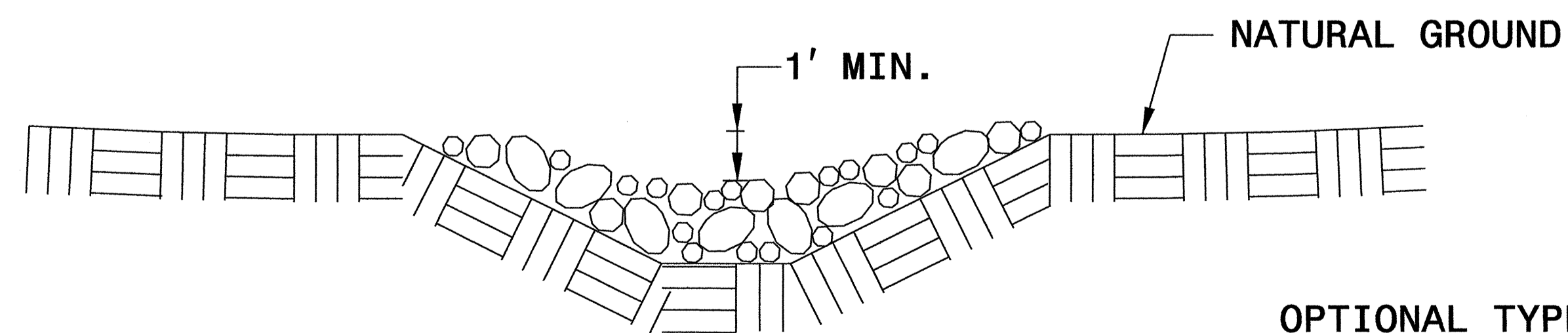
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

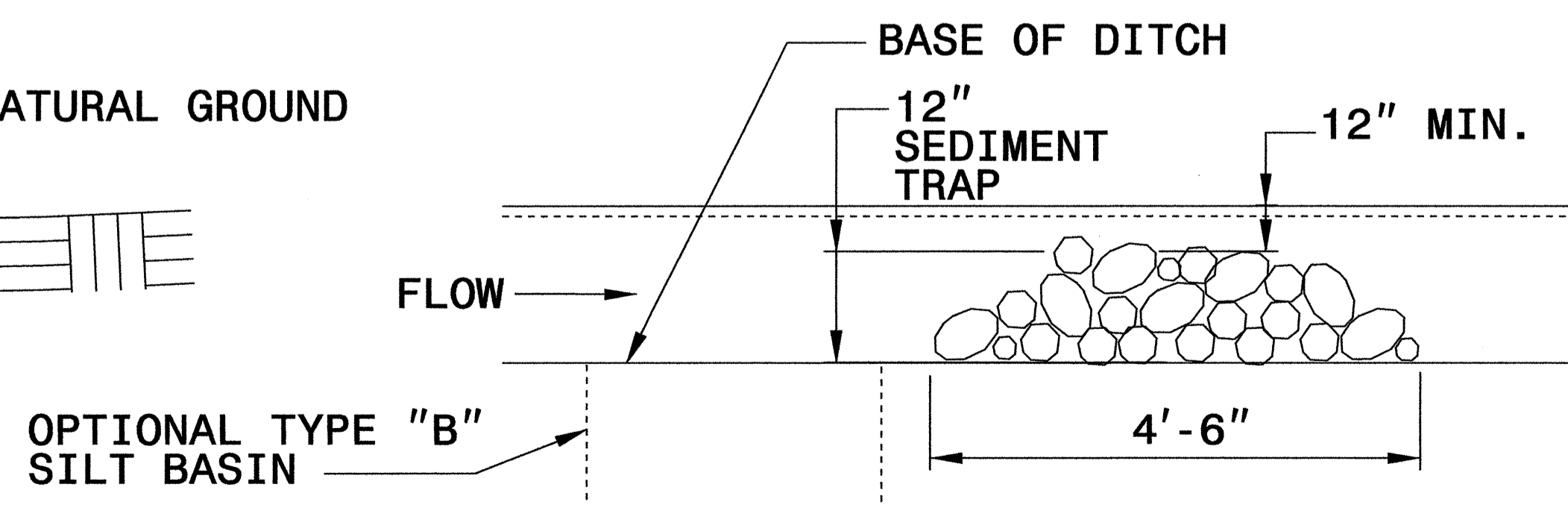
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

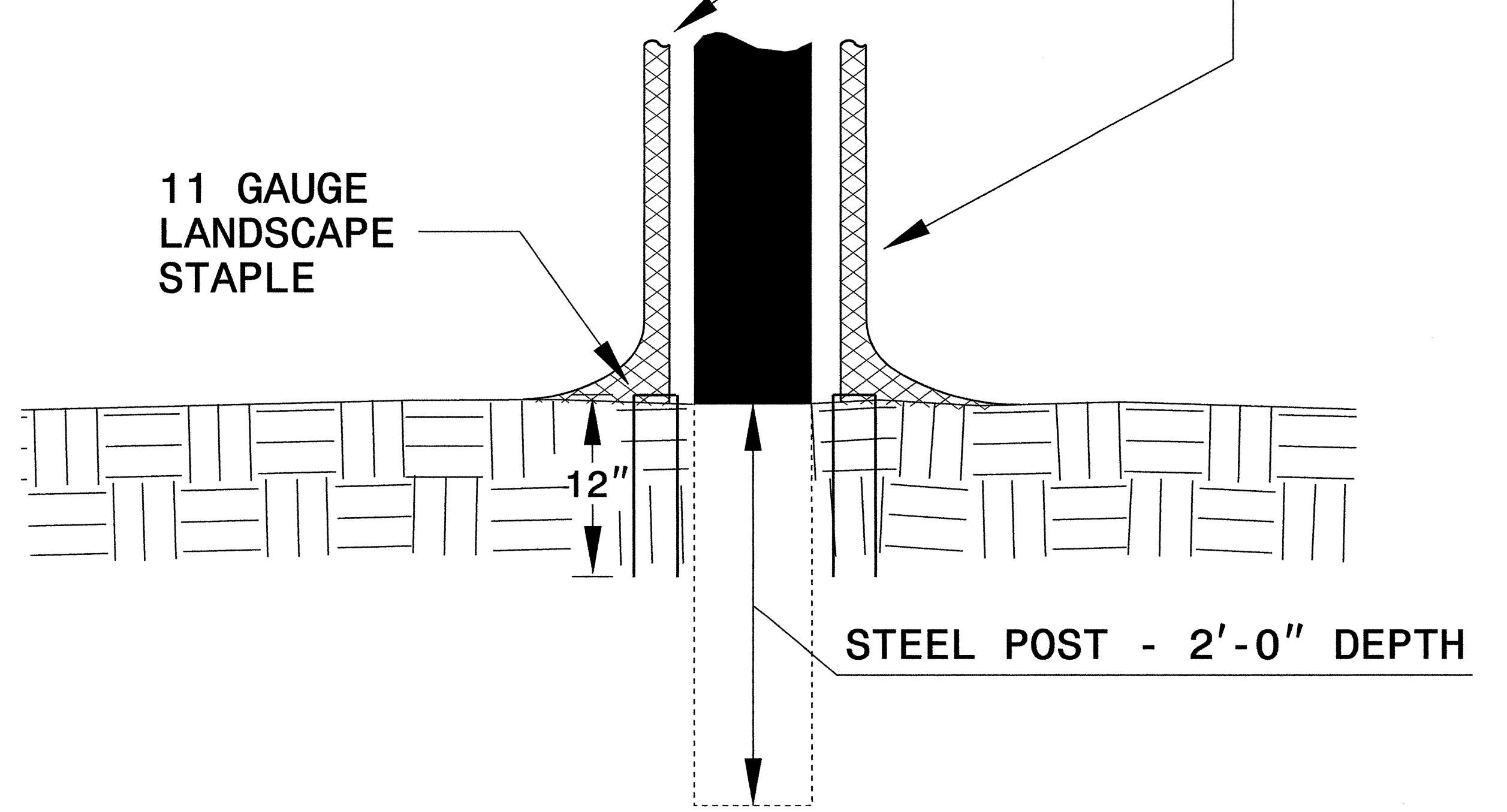
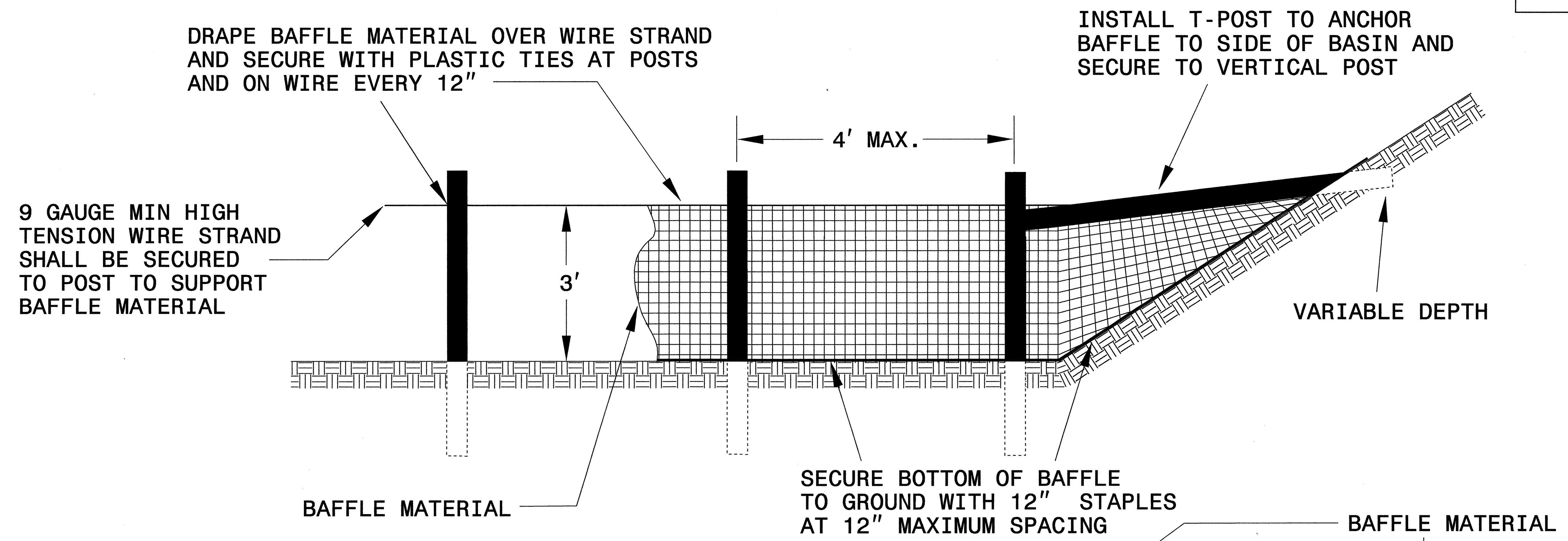


ELEVATION VIEW

HP-4500

PROJECT REFERENCE NO. R-4737	SHEET NO. EC-2A
RW SHEET NO.	

COIR FIBER BAFFLE DETAIL



NOTES:

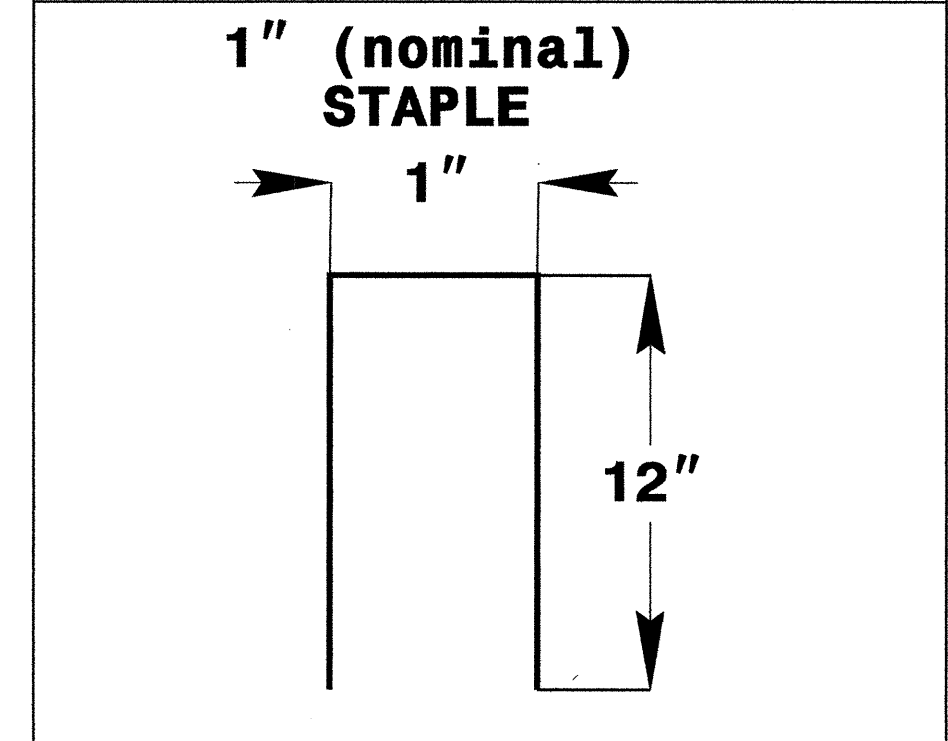
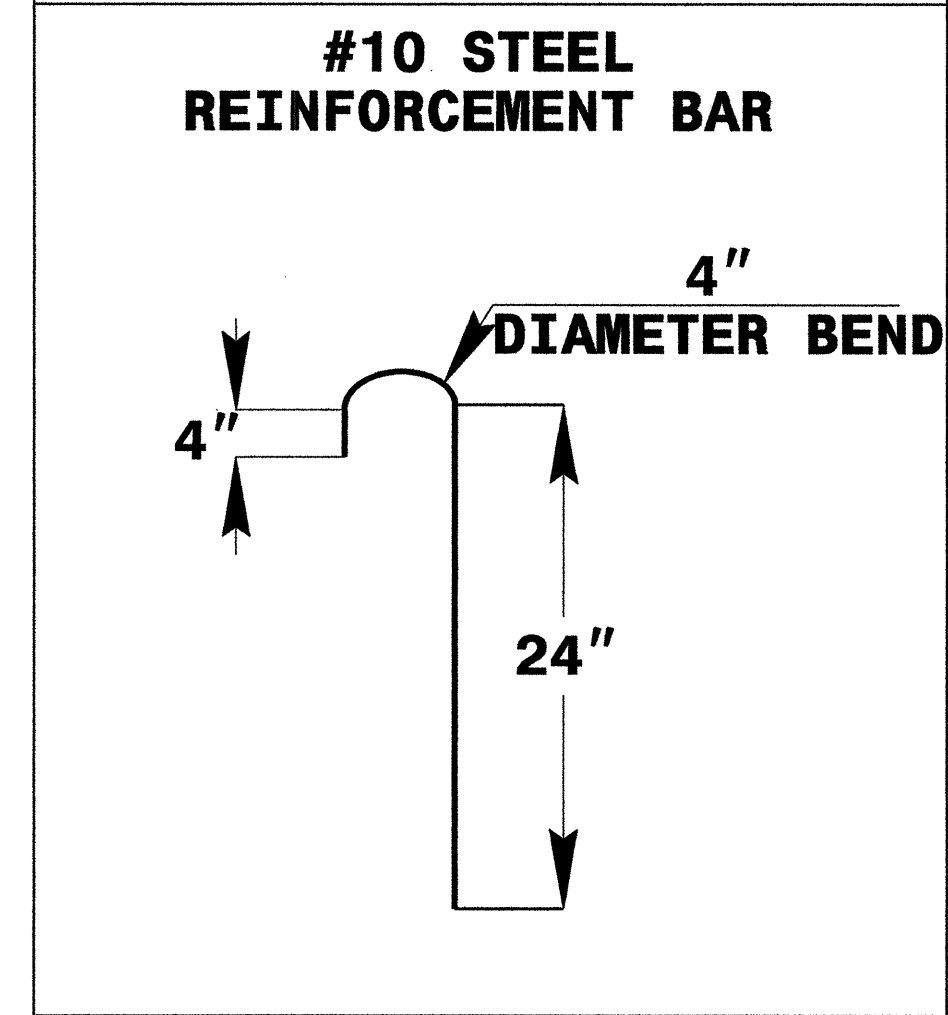
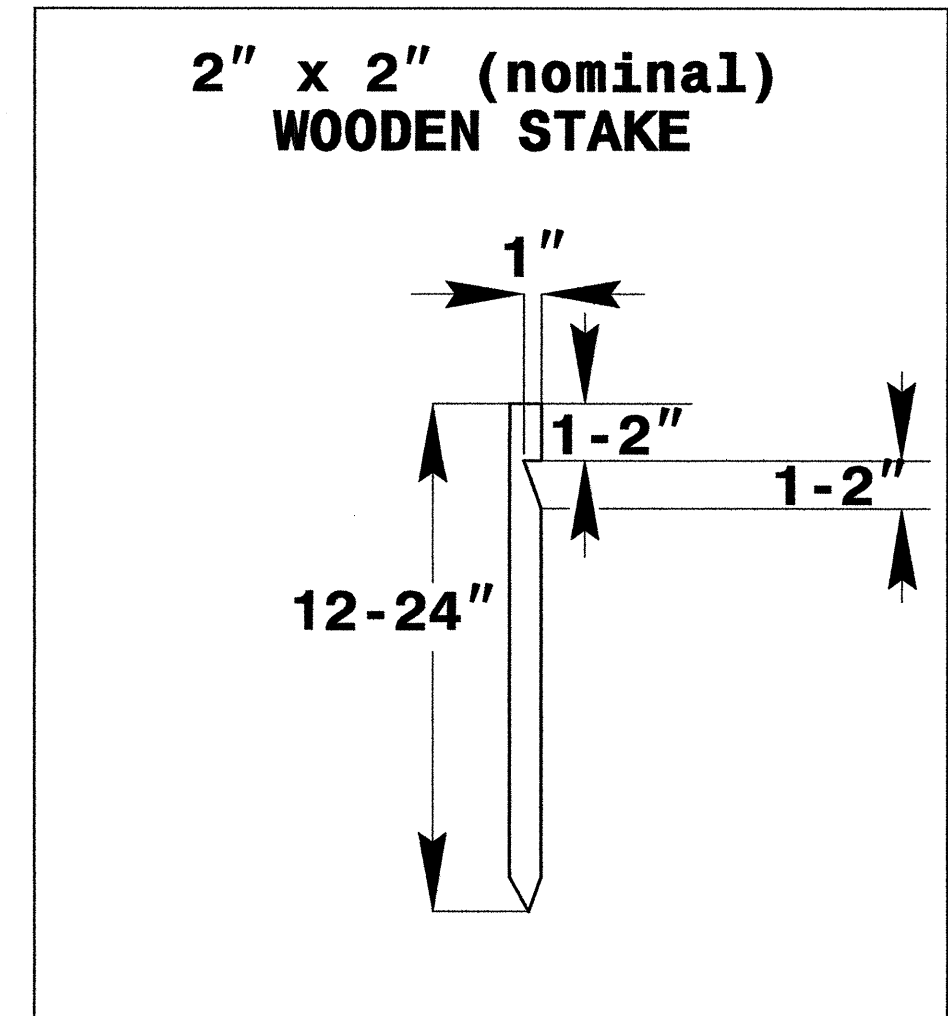
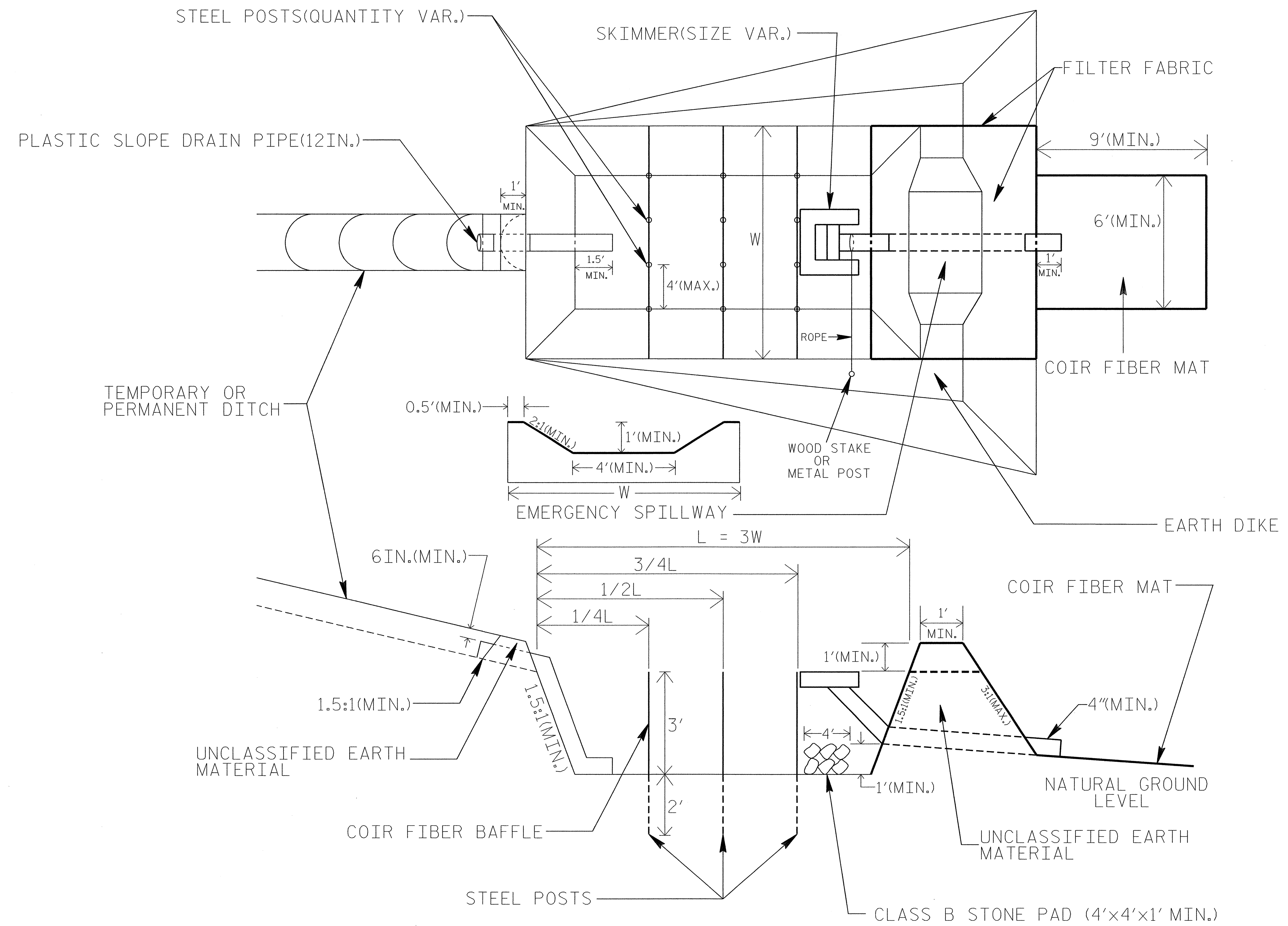
1. INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH.
2. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.
3. TOP HEIGHT OF COIR FIBER BAFFLES SHALL NOT BE BELOW BASE OF EMERGENCY SPILLWAY ELEVATION.

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

HP41500

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. R-4737	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

NOTES

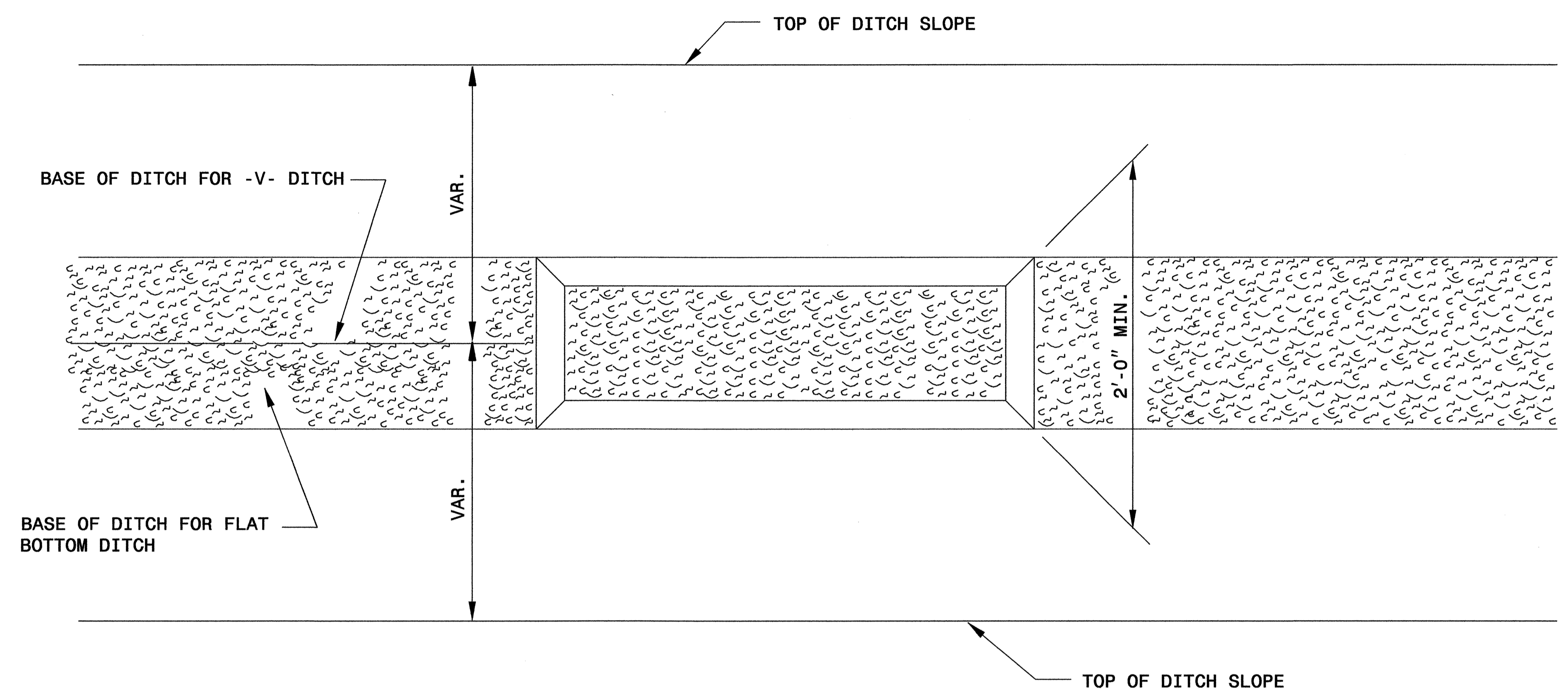
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.

NOT TO SCALE

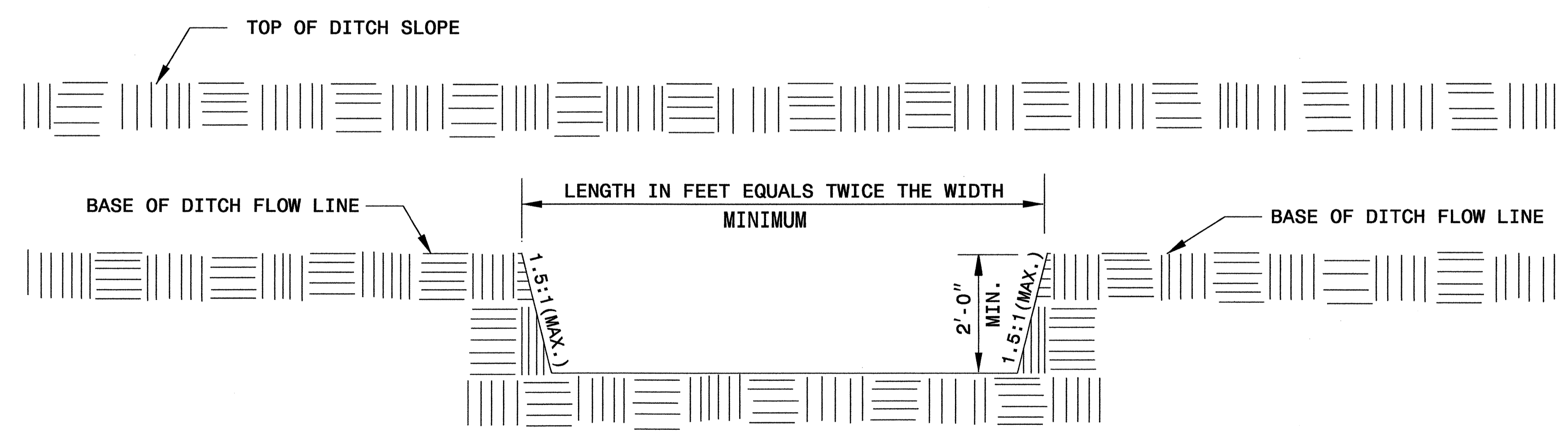
HP41500

PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-2C
RW SHEET NO.	

SILT BASIN 'B' DETAIL



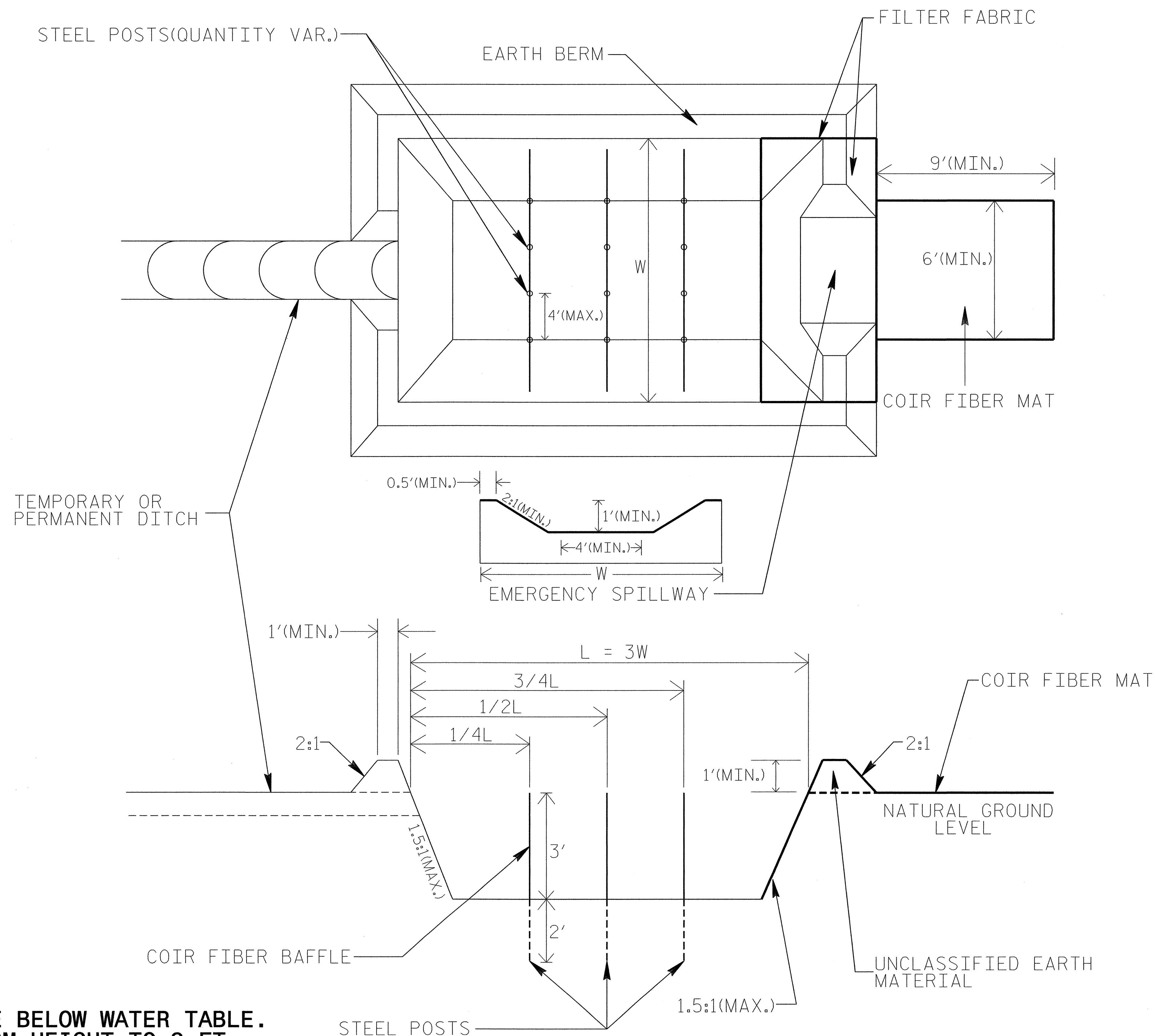
PLAN



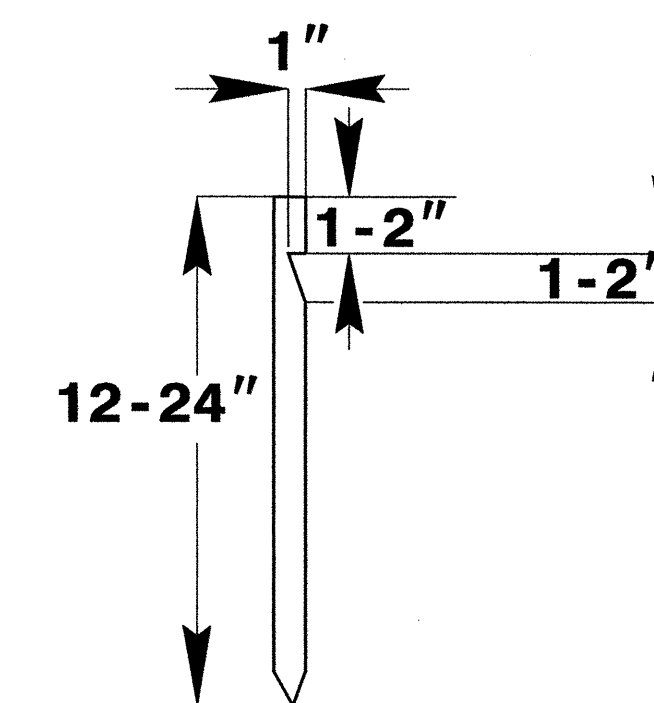
ELEVATION

INFILTRATION BASIN WITH BAFFLES DETAIL

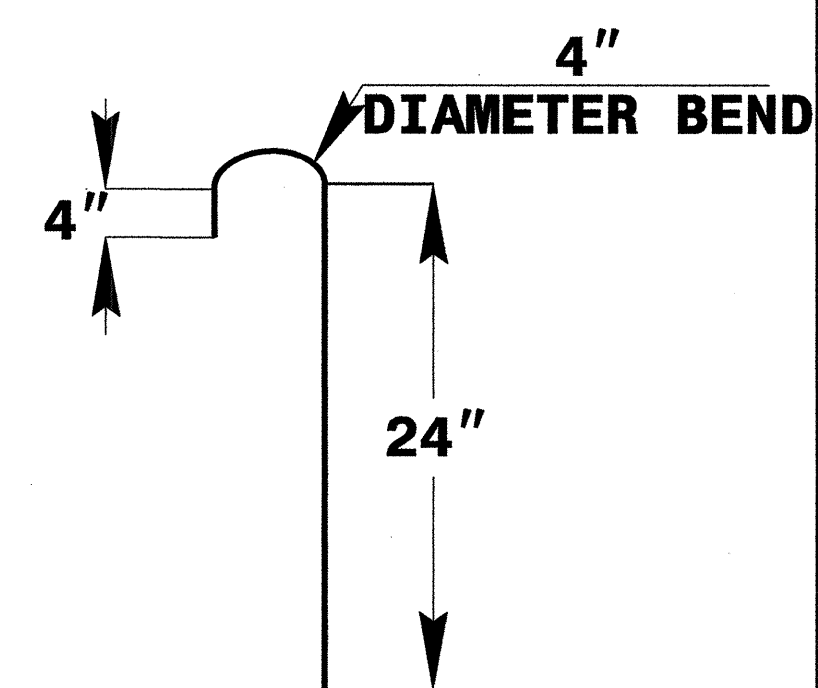
PROJECT REFERENCE NO. R-4737	SHEET NO. EC-2D
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



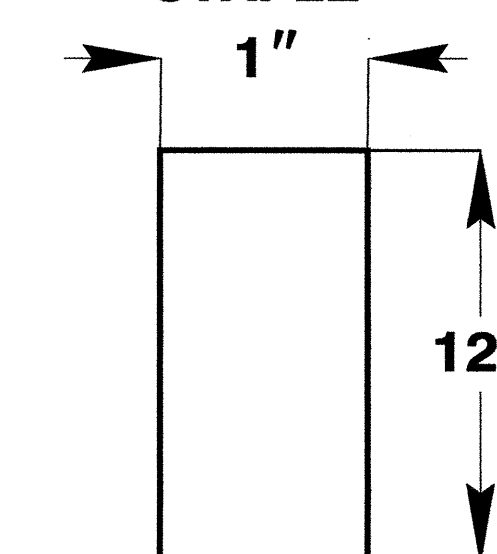
**2" x 2" (nominal)
WOODEN STAKE**



**#10 STEEL
REINFORCEMENT BAR**



**1" (nominal)
STAPLE**



**COIR FIBER MAT
ANCHOR OPTIONS**

NOTES:

1. DO NOT EXCAVATE BELOW WATER TABLE.
2. LIMIT EARTH BERM HEIGHT TO 3 FT.
3. AVOID COMPACTING BOTTOM OF BASIN.
4. THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
5. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE INTO BASIN.

BORROW PIT DEWATERING BASIN DETAIL

PROJECT REFERENCE NO. R-4737	SHEET NO. EC-2E
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS

GENERAL NOTES:

DETERMINE BORROW PIT DEWATERING BASIN SIZE USING $V = 8.0203 * Q * T$, WHERE V IS VOLUME (FT³), 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 WITH A MATERIAL THAT MEETS THE SPECIFICATIONS OF THE COIR FIBER MAT SPECIAL PROVISION PROVIDED IN THE CONTRACT.

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 FILTER FABRIC 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.

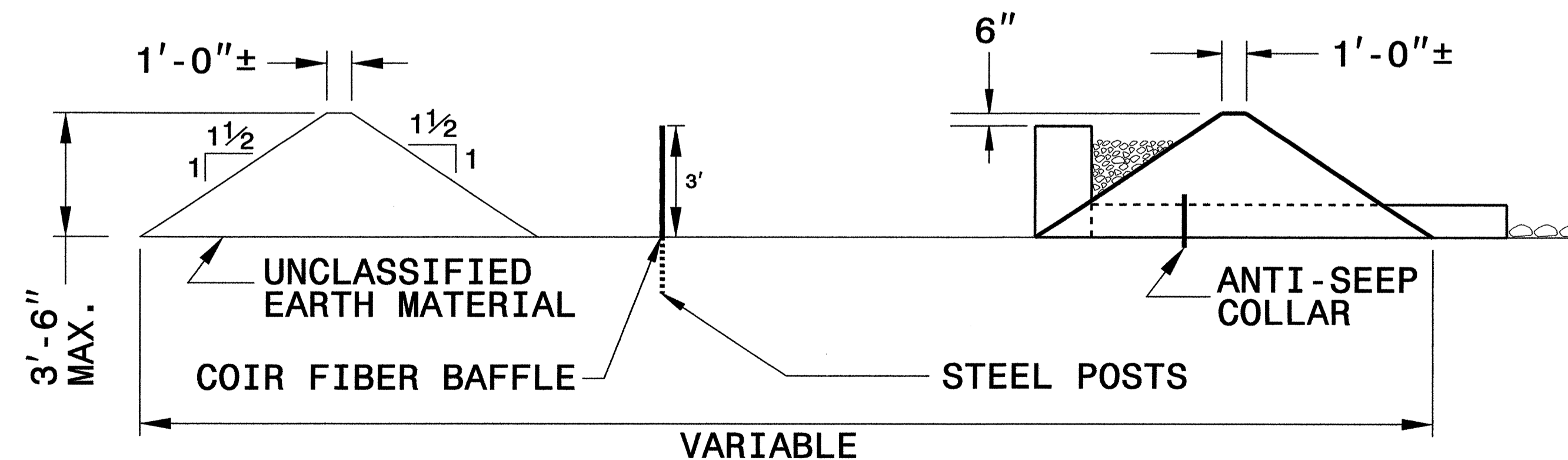
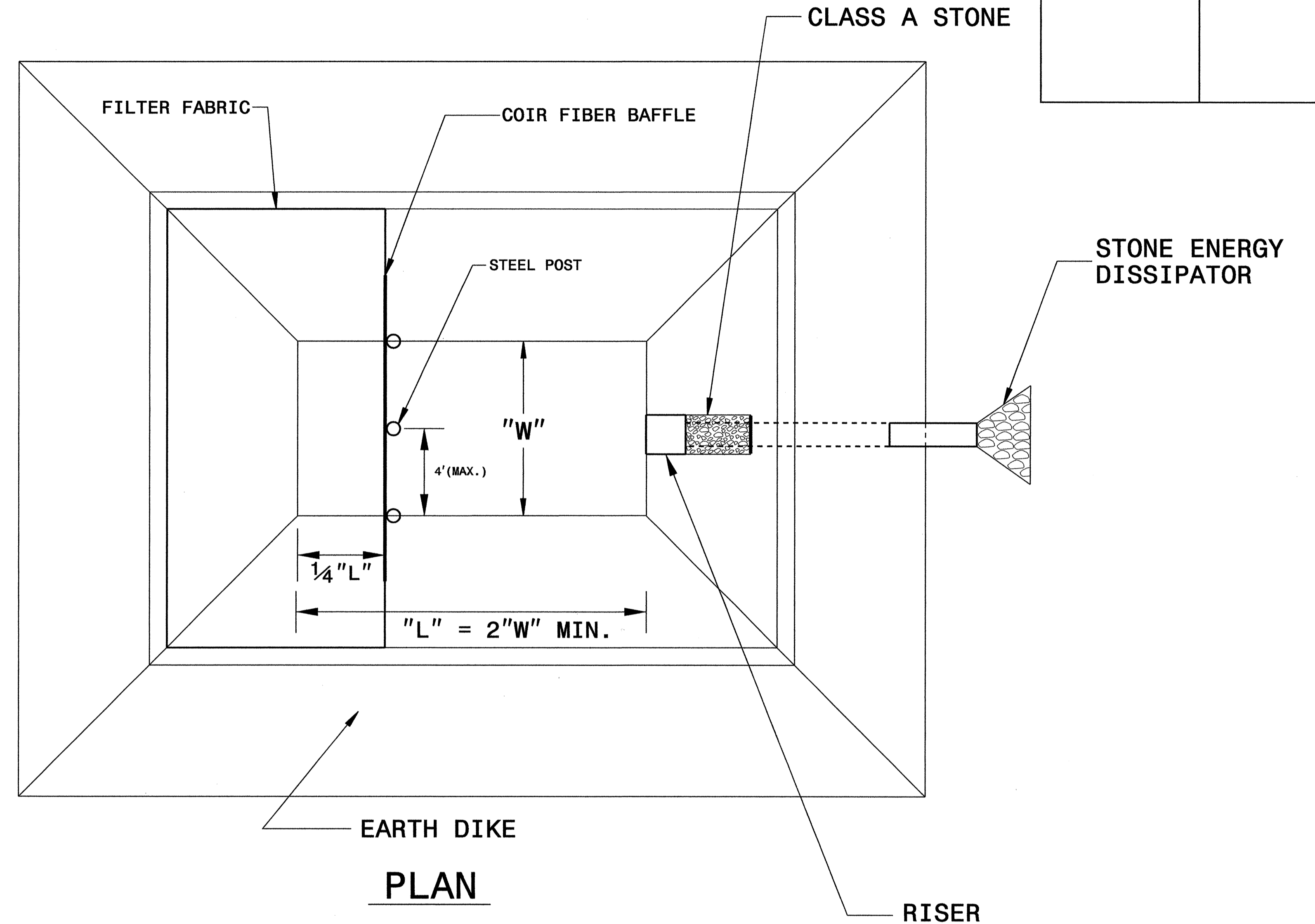
DO NOT EXCEED 3½ FT. IN HEIGHT FOR THE EARTH DIKES REQUIRED FOR BORROW PIT DEWATERING BASIN.

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.



NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-4/CONST.4
RW SHEET NO.	04

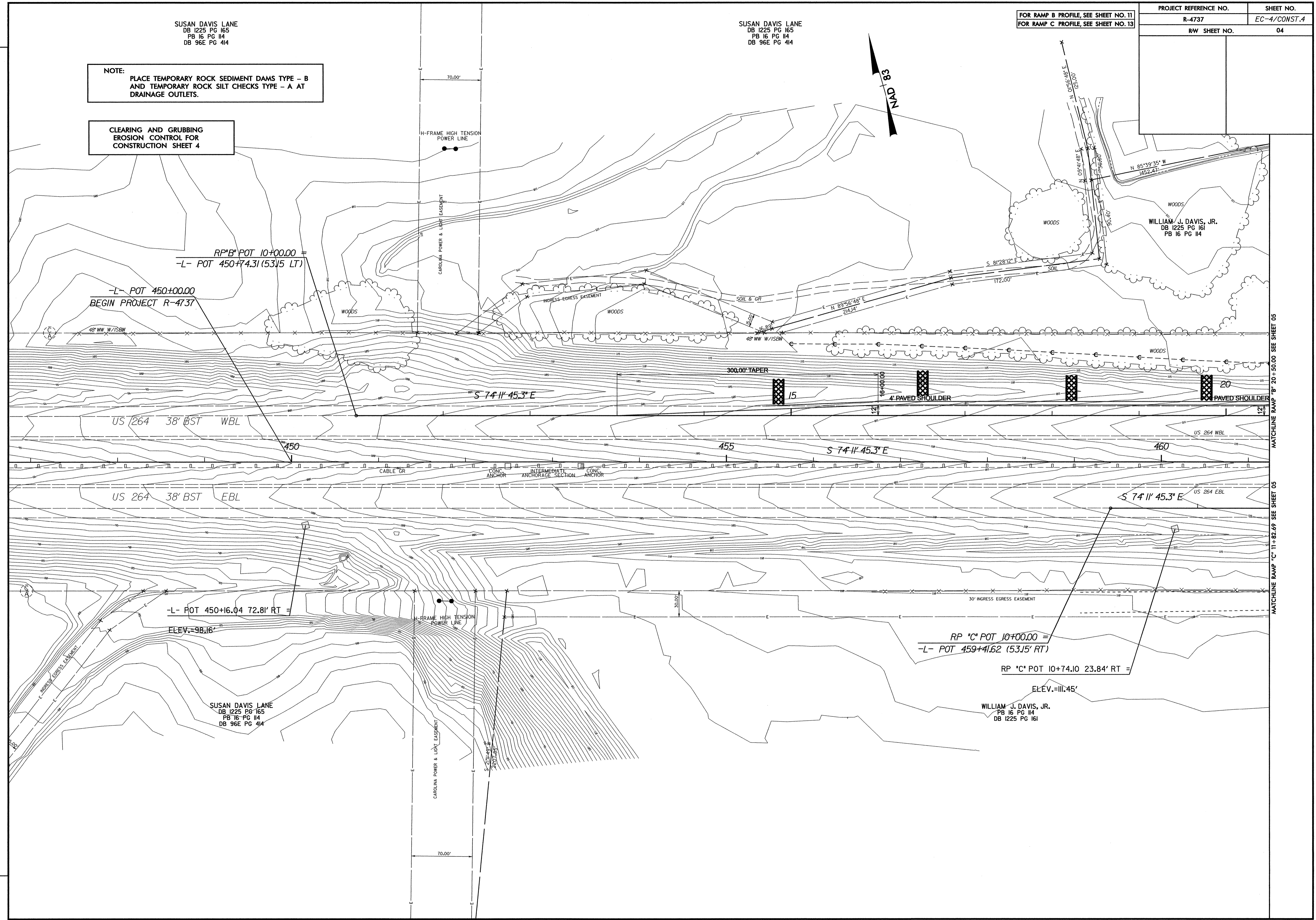
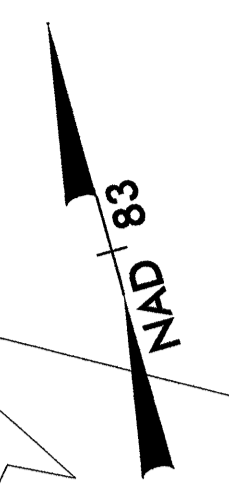
SUSAN DAVIS LANE
DB 1225 PG 165
PB 16 PG 114
DB 96E PG 414

SUSAN DAVIS LANE
DB 1225 PG 165
PB 16 PG 114
DB 96E PG 414

FOR RAMP B PROFILE, SEE SHEET NO. 11
FOR RAMP C PROFILE, SEE SHEET NO. 13

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



REVISIONS

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MATCHLINE RAMP "B" 20' + 50.00 SEE SHEET 05

MATCHLINE RAMP "C" 11' + 82.69 SEE SHEET 03

PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-5/CONST.5
RW SHEET NO.	05

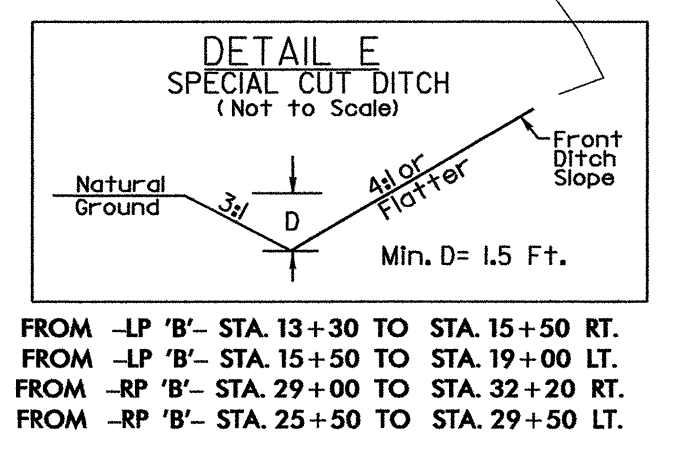
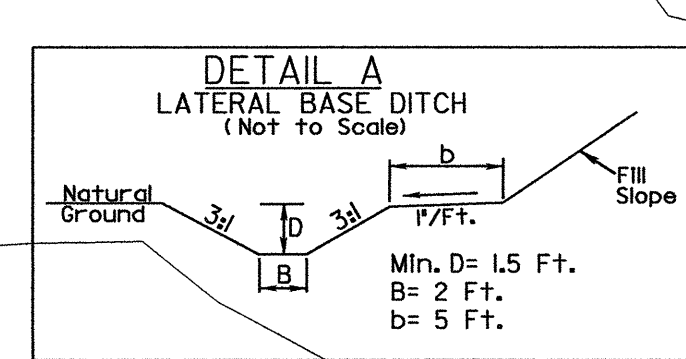
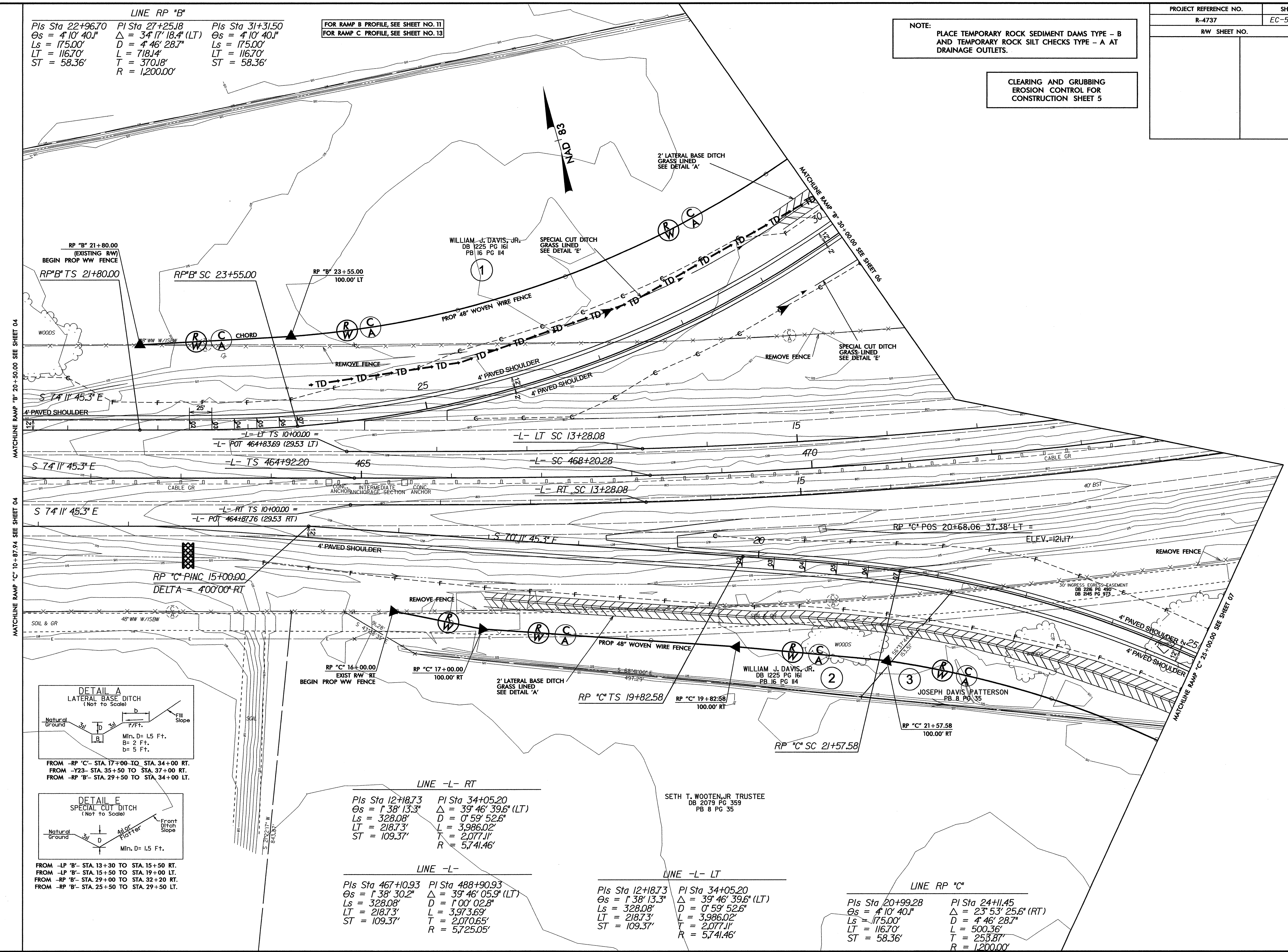
LINE RP "B"

Pls Sta 22+96.70	PI Sta 27+25.18	Pls Sta 31+31.50
$\Delta s = 4' 10' 40.1"$	$\Delta = 34' 17' 18.4" (LT)$	$\Delta s = 4' 10' 40.1"$
$Ls = 175.00'$	$D = 4' 46' 28.7"$	$Ls = 175.00'$
$LT = 116.70'$	$L = 718.14'$	$LT = 116.70'$
$ST = 58.36'$	$T = 370.18'$	$ST = 58.36'$
	$R = 1,200.00'$	

FOR RAMP B PROFILE, SEE SHEET NO. 11
FOR RAMP C PROFILE, SEE SHEET NO. 13

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



LINE -L- RT

Pls Sta 12+18.73	PI Sta 34+05.20
$\Delta s = 1' 38' 13.3"$	$\Delta = 39' 46' 39.6" (LT)$
$Ls = 328.08'$	$D = 0' 59' 52.6"$
$LT = 218.73'$	$L = 3,986.02'$
$ST = 109.37'$	$T = 2,077.11'$
	$R = 5,741.46'$

LINE -L-

Pls Sta 467+10.93	PI Sta 488+90.93
$\Delta s = 1' 38' 30.2"$	$\Delta = 39' 46' 05.9" (LT)$
$Ls = 328.08'$	$D = 0' 59' 02.8"$
$LT = 218.73'$	$L = 3,973.69'$
$ST = 109.37'$	$T = 2,070.65'$
	$R = 5,725.05'$

LINE -L- LT

Pls Sta 12+18.73	PI Sta 34+05.20
$\Delta s = 1' 38' 13.3"$	$\Delta = 39' 46' 39.6" (LT)$
$Ls = 328.08'$	$D = 0' 59' 52.6"$
$LT = 218.73'$	$L = 3,986.02'$
$ST = 109.37'$	$T = 2,077.11'$
	$R = 5,741.46'$

LINE RP "C"

Pls Sta 20+99.28	PI Sta 24+11.45
$\Delta s = 4' 10' 40.1"$	$\Delta = 23' 53' 25.6" (RT)$
$Ls = 175.00'$	$D = 4' 46' 28.7"$
$LT = 116.70'$	$L = 500.36'$
$ST = 58.36'$	$T = 253.87'$
	$R = 1,200.00'$

REVISIONS

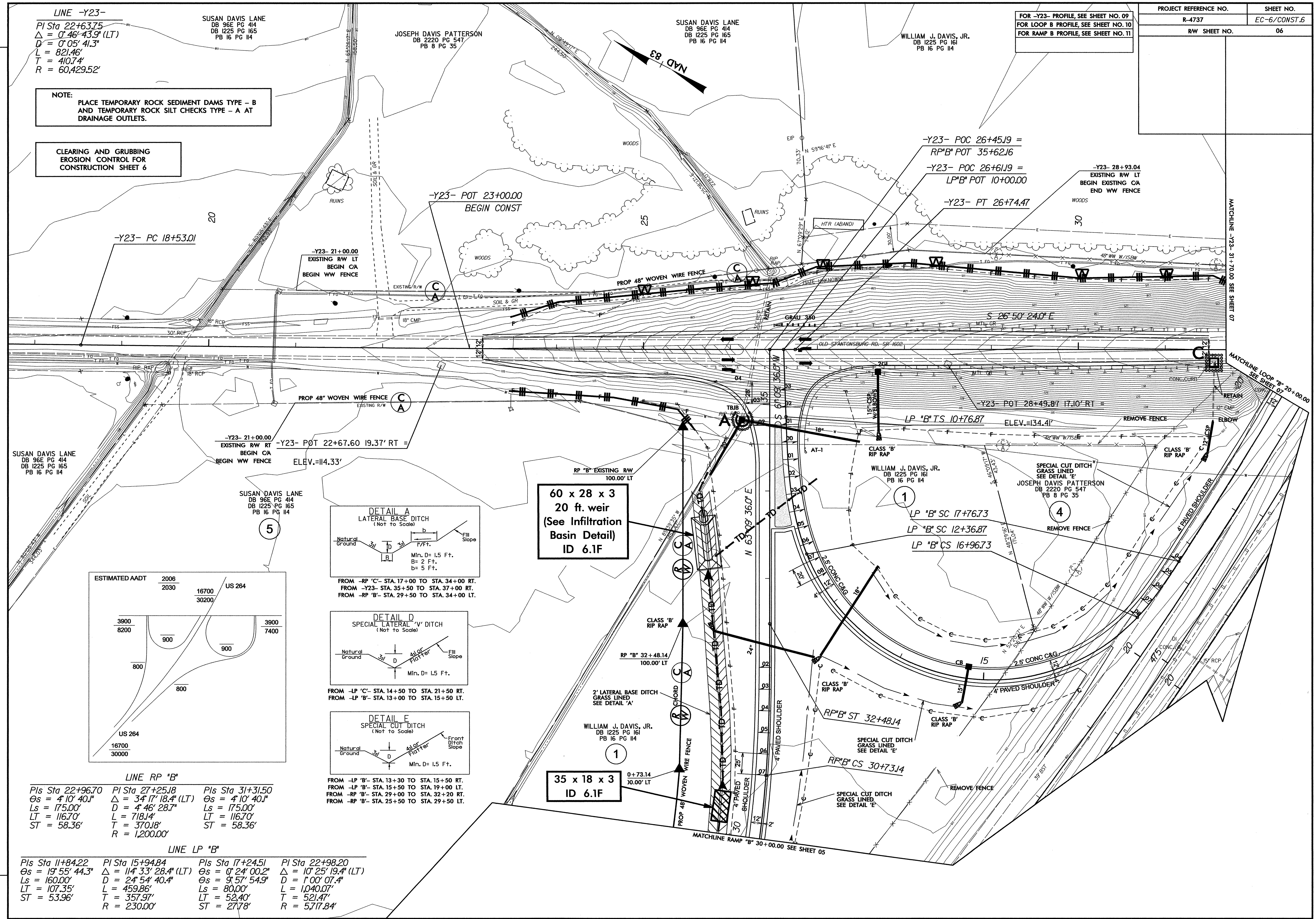
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dl:\v\4737 AT DAD-239218-DIV
delbridge

LINE -Y23-
 PI Sta 22+63.75
 $\Delta = 0' 46' 43.9''$ (LT)
 $D = 0' 05' 41.3''$
 $L = 821.46'$
 $T = 410.74'$
 $R = 60,429.52'$

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

FOR -Y23- PROFILE, SEE SHEET NO. 09
 FOR LOOP B PROFILE, SEE SHEET NO. 10
 FOR RAMP B PROFILE, SEE SHEET NO. 11



-Y23- PC 18+53.01

-Y23- POT 23+00.00
 BEGIN CONST

-Y23- POC 26+45.19 =
 RP'B POT 35+62.16

-Y23- POC 26+61.19 =
 LP'B POT 10+00.00

-Y23- PT 26+74.47

-Y23- 28+93.04
 EXISTING RW LT
 BEGIN EXISTING CA
 END WW FENCE

-Y23- 21+00.00
 EXISTING RW LT
 BEGIN CA
 BEGIN WW FENCE

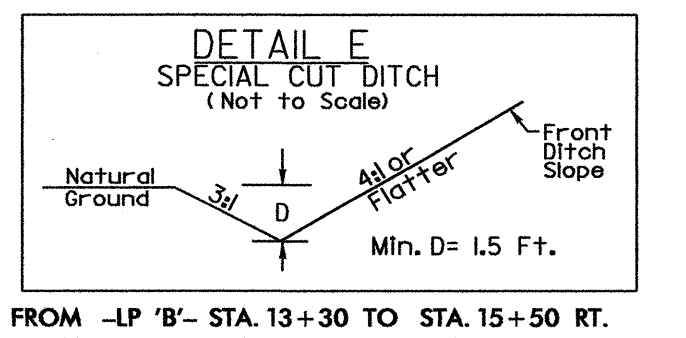
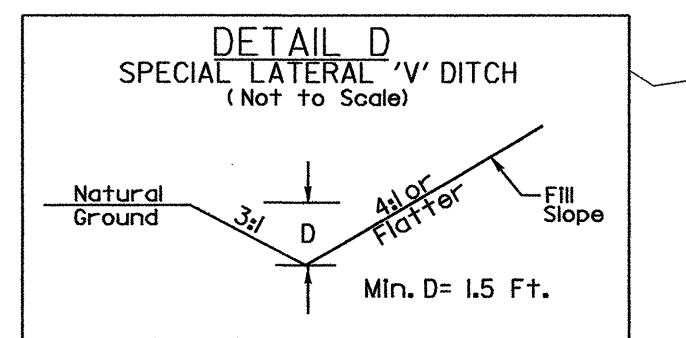
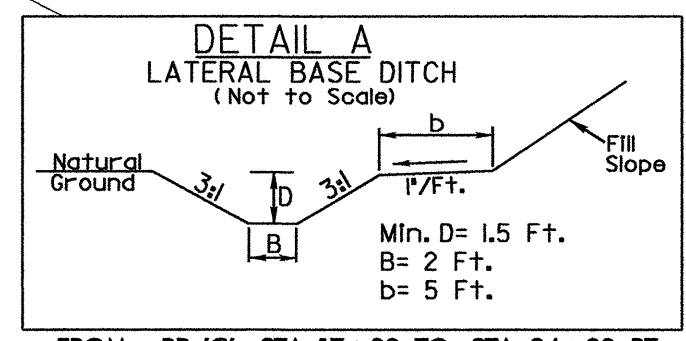
-Y23- 21+00.00
 EXISTING RW RT
 BEGIN CA
 BEGIN WW FENCE
 ELEV. = 114.33'

SUSAN DAVIS LANE
 DB 96E PG 414
 DB 1225 PG 165
 PB 16 PG 114

SUSAN DAVIS LANE
 DB 96E PG 414
 DB 1225 PG 165
 PB 16 PG 114

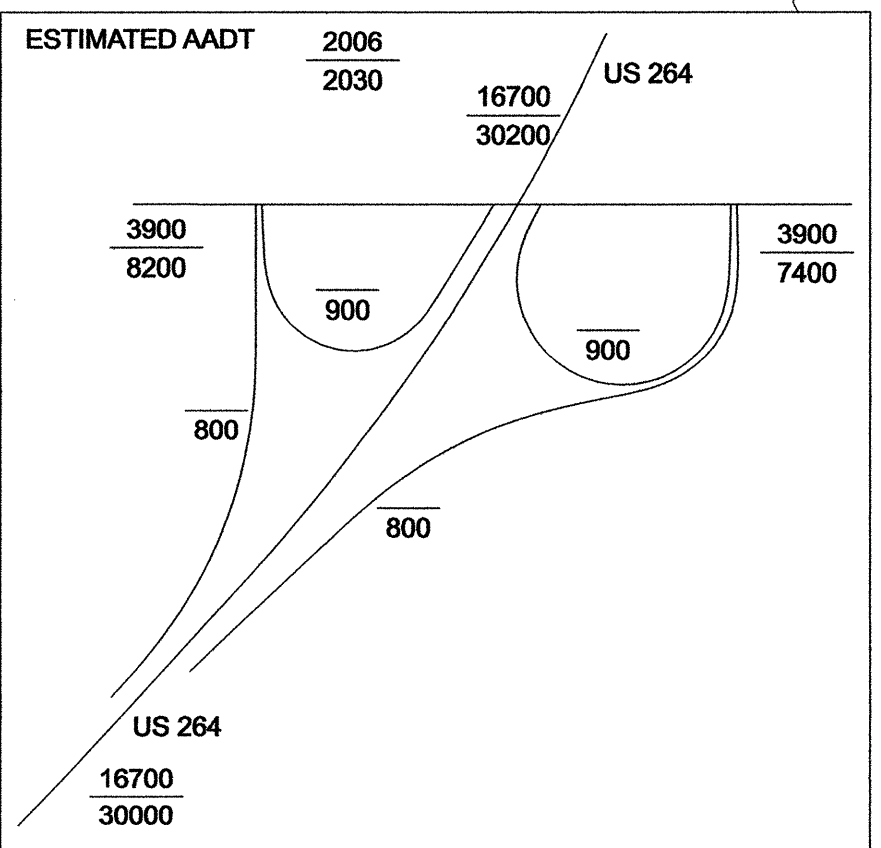
WILLIAM J. DAVIS, JR.
 DB 1225 PG 161
 PB 16 PG 114

JOSEPH DAVIS PATTERSON
 DB 2220 PG 547
 PB 8 PG 35



60 x 28 x 3
 20 ft. weir
 (See Infiltration Basin Detail)
 ID 6.1F

35 x 18 x 3
 ID 6.1F



LINE RP 'B'

PIs Sta 22+96.70	PI Sta 27+25.18	PIs Sta 31+31.50
$\Theta_s = 4' 10' 40.1''$	$\Delta = 34' 17' 18.4''$ (LT)	$\Theta_s = 4' 10' 40.1''$
$L_s = 175.00'$	$D = 4' 46' 28.7''$	$L_s = 175.00'$
$LT = 116.70'$	$L = 718.14'$	$LT = 116.70'$
$ST = 58.36'$	$T = 370.18'$	$ST = 58.36'$
	$R = 1,200.00'$	

LINE LP 'B'

PIs Sta 11+84.22	PI Sta 15+94.84	PIs Sta 17+24.51	PI Sta 22+98.20
$\Theta_s = 19' 55' 44.3''$	$\Delta = 114' 33' 28.4''$ (LT)	$\Theta_s = 0' 24' 00.2''$	$\Delta = 10' 25' 19.4''$ (LT)
$L_s = 160.00'$	$D = 24' 54' 40.4''$	$\Theta_s = 9' 57' 54.9''$	$D = 1' 00' 07.4''$
$LT = 107.35'$	$L = 459.86'$	$L_s = 80.00'$	$L = 1,040.07'$
$ST = 53.96'$	$T = 357.97'$	$LT = 52.40'$	$T = 521.47'$
	$R = 230.00'$	$ST = 27.78'$	$R = 5,717.84'$

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 AT D:\D-239218-DIV
 dmbridge

REVISIONS

MATCHLINE -Y23- 31+70.00 SEE SHEET 07

MATCHLINE LOOP 'B' 20+00.00 SEE SHEET 07

MATCHLINE RAMP 'B' 30+00.00 SEE SHEET 05

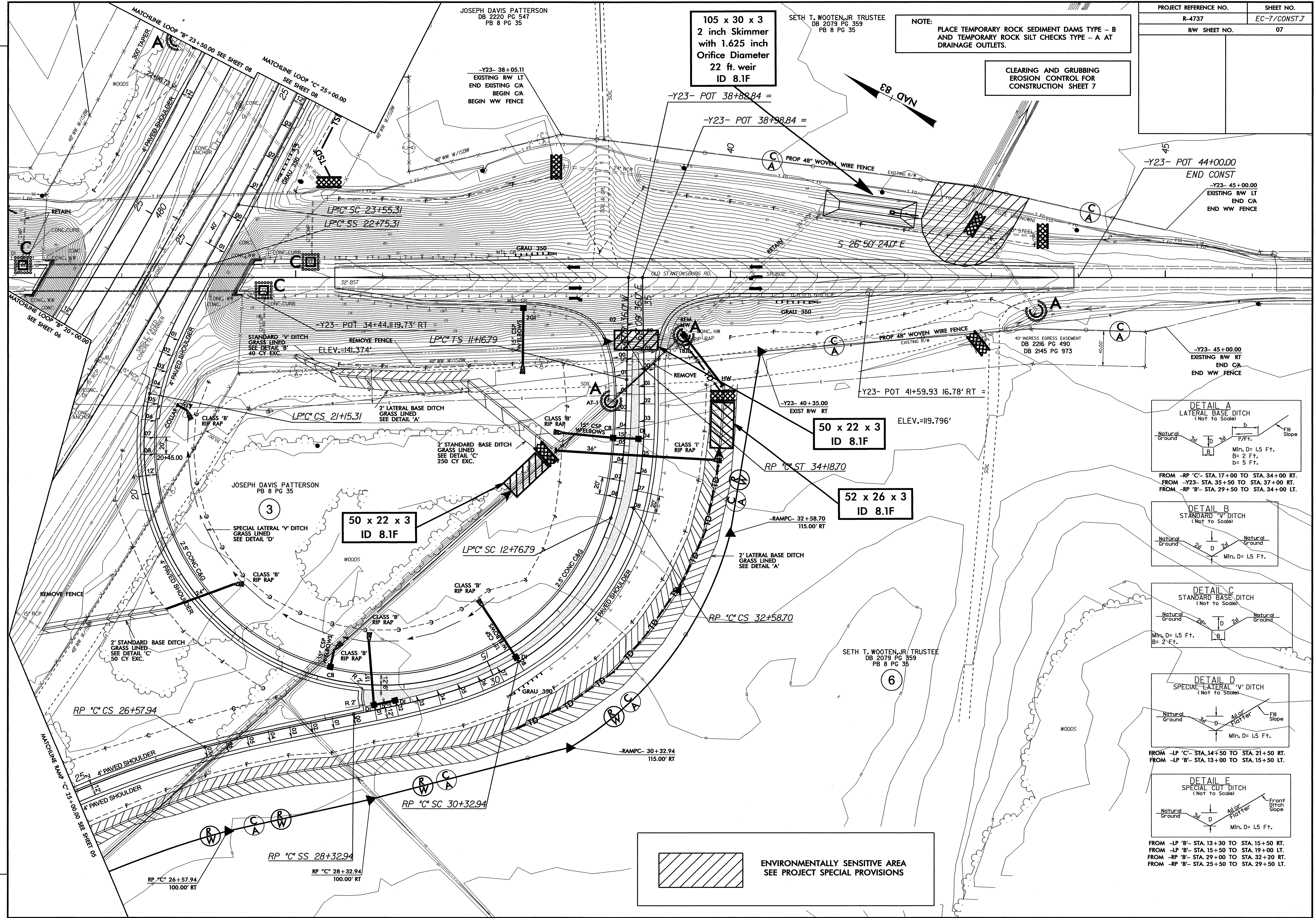
JOSEPH DAVIS PATTERSON
DB 2220 PG 547
PB 8 PG 35

SETH T. WOOLEN, JR. TRUSTEE
DB 2079 PG 359
PB 8 PG 35

105 x 30 x 3
2 inch Skimmer
with 1.625 inch
Orifice Diameter
22 ft. weir
ID 8.1F

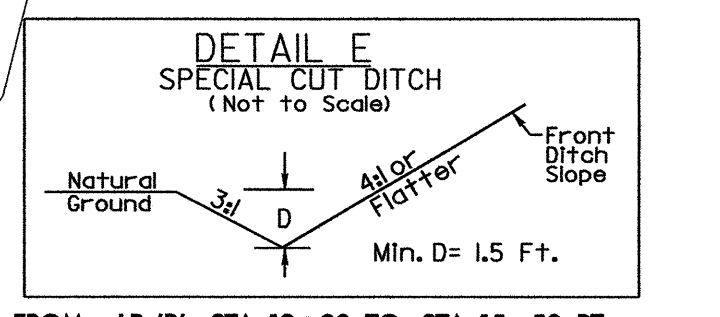
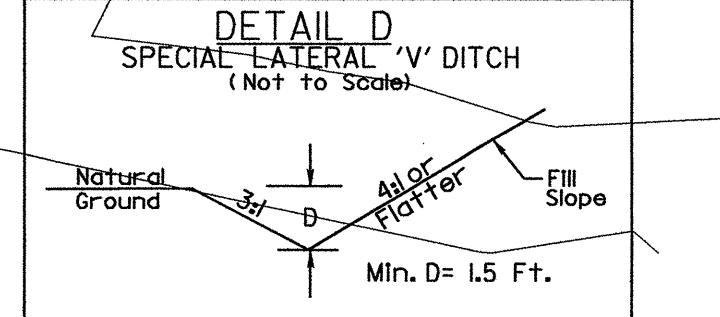
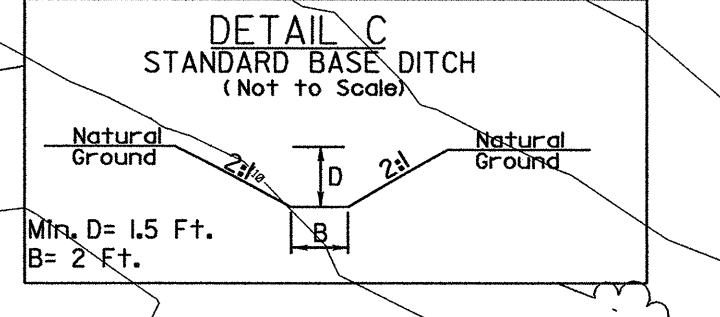
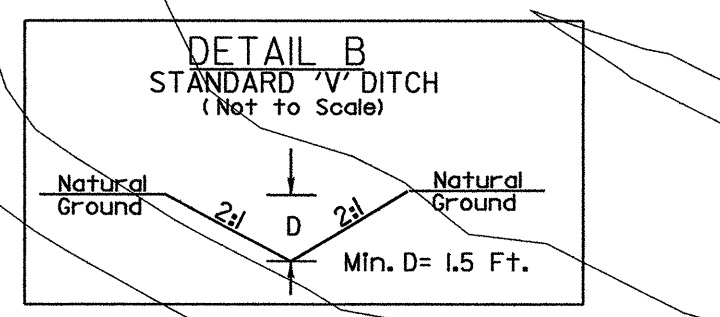
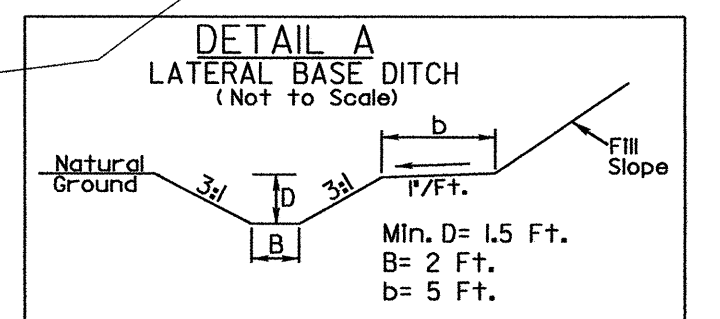
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7



-Y23- POT 44+00.00
END CONST
-Y23- 45+00.00
EXISTING RW LT
END CA
END WW FENCE

-Y23- 45+00.00
EXISTING RW RT
END CA
END WW FENCE



FROM -LP 'B'- STA. 13+30 TO STA. 15+50 RT.
FROM -LP 'B'- STA. 15+50 TO STA. 19+00 LT.
FROM -RP 'B'- STA. 29+00 TO STA. 32+20 RT.
FROM -RP 'B'- STA. 25+50 TO STA. 29+50 LT.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

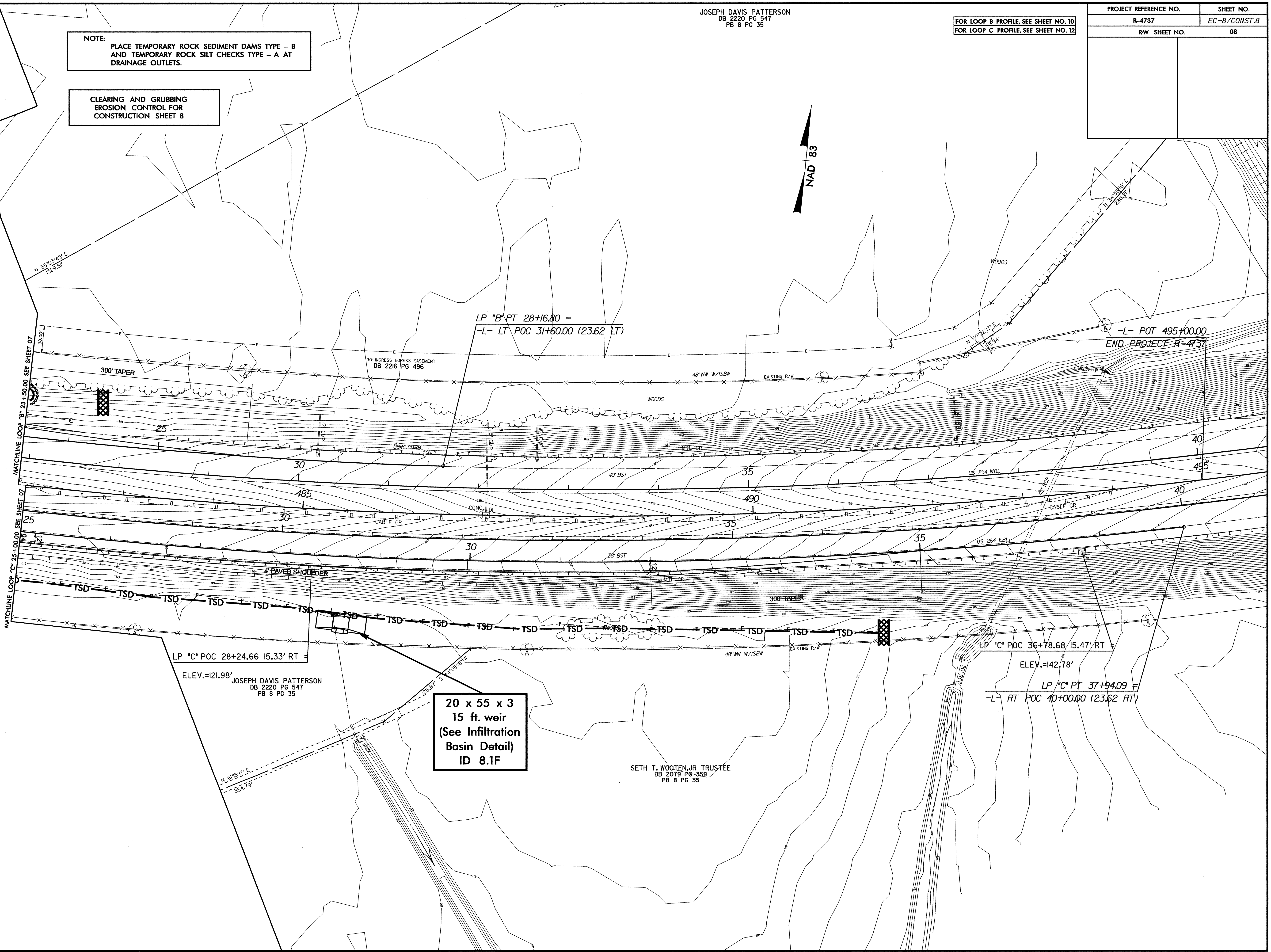
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PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-8/CONST.8
RW SHEET NO.	08

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



**20 x 55 x 3
15 ft. weir
(See Infiltration
Basin Detail)
ID 8.1F**

LP 'C' POC 28+24.66 15.33' RT
ELEV.=121.98'
JOSEPH DAVIS PATTERSON
DB 2220 PG 547
PB 8 PG 35

SETH T. WOOTEN, JR. TRUSTEE
DB 2079 PG 359
PB 8 PG 35

LP 'C' POC 36+78.68 15.47' RT
ELEV.=142.78'
LP 'C' PT 37+94.09 =
-L- RT POC 40+00.00 (23.62 RT)

REVISIONS

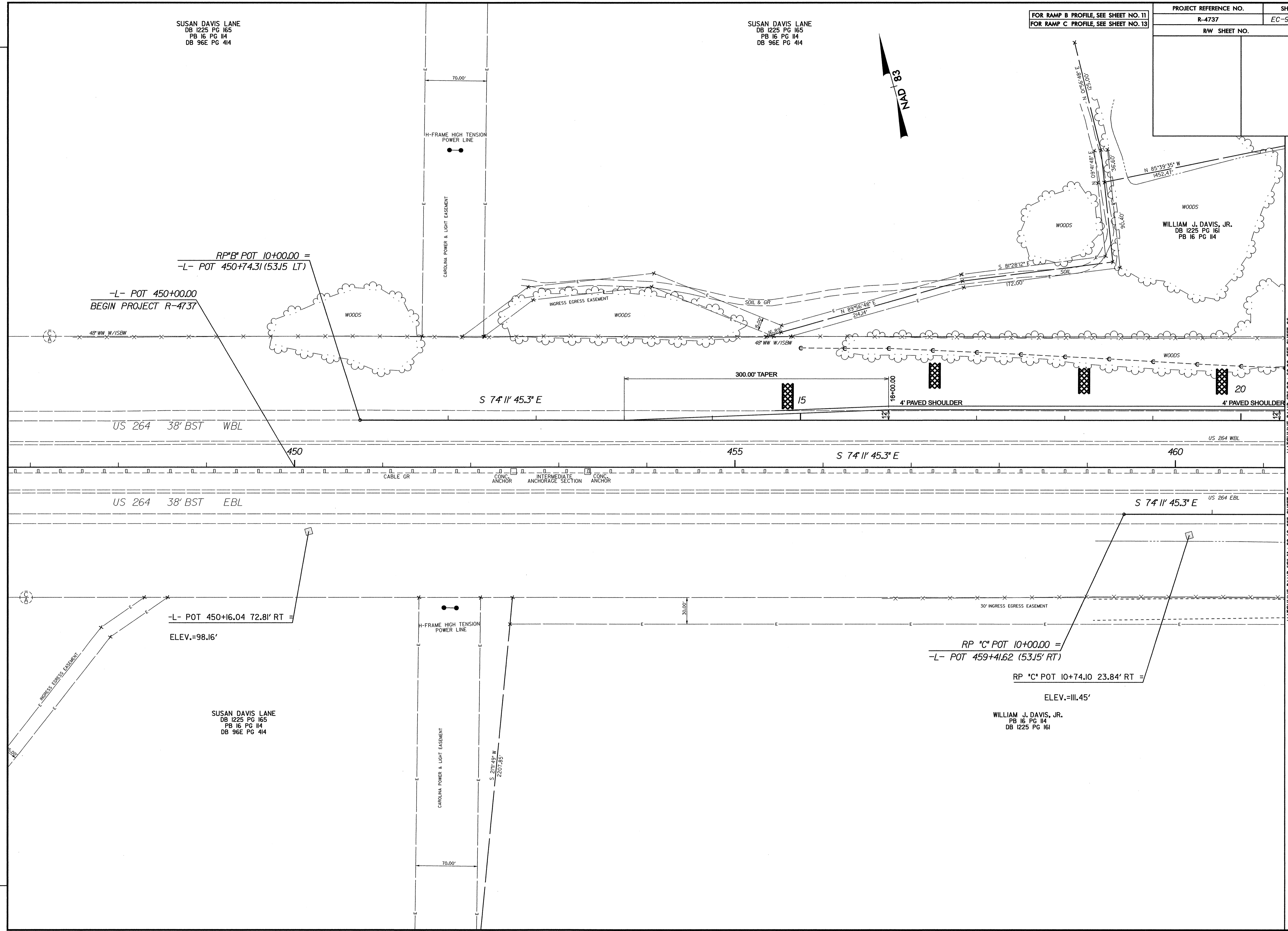
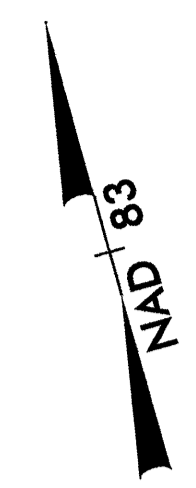
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PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-9/CONST.4
RAW SHEET NO.	04

SUSAN DAVIS LANE
DB 1225 PG 165
PB 16 PG 114
DB 96E PG 414

SUSAN DAVIS LANE
DB 1225 PG 165
PB 16 PG 114
DB 96E PG 414

FOR RAMP B PROFILE, SEE SHEET NO. 11
FOR RAMP C PROFILE, SEE SHEET NO. 13



RP "B" POT 10+00.00 =
-L- POT 450+74.31 (53.15 LT)
-L- POT 450+00.00
BEGIN PROJECT R-4737

-L- POT 450+16.04 72.81' RT =
ELEV.=98.16'

RP "C" POT 10+00.00 =
-L- POT 459+41.62 (53.15' RT)
RP "C" POT 10+74.10 23.84' RT =
ELEV.=111.45'

REVISIONS

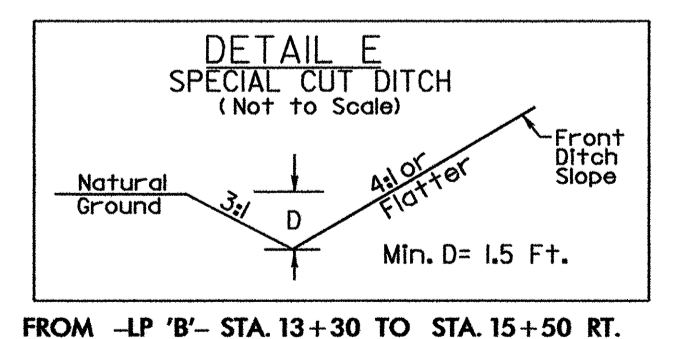
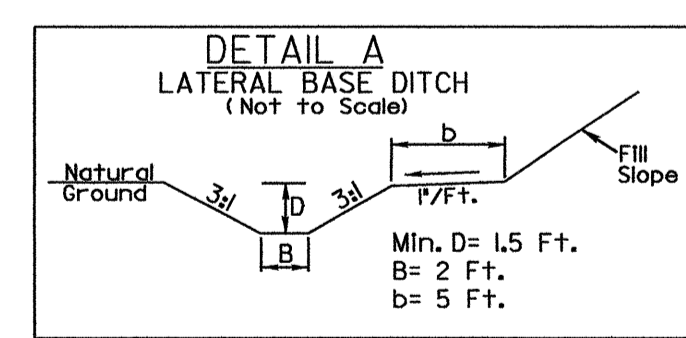
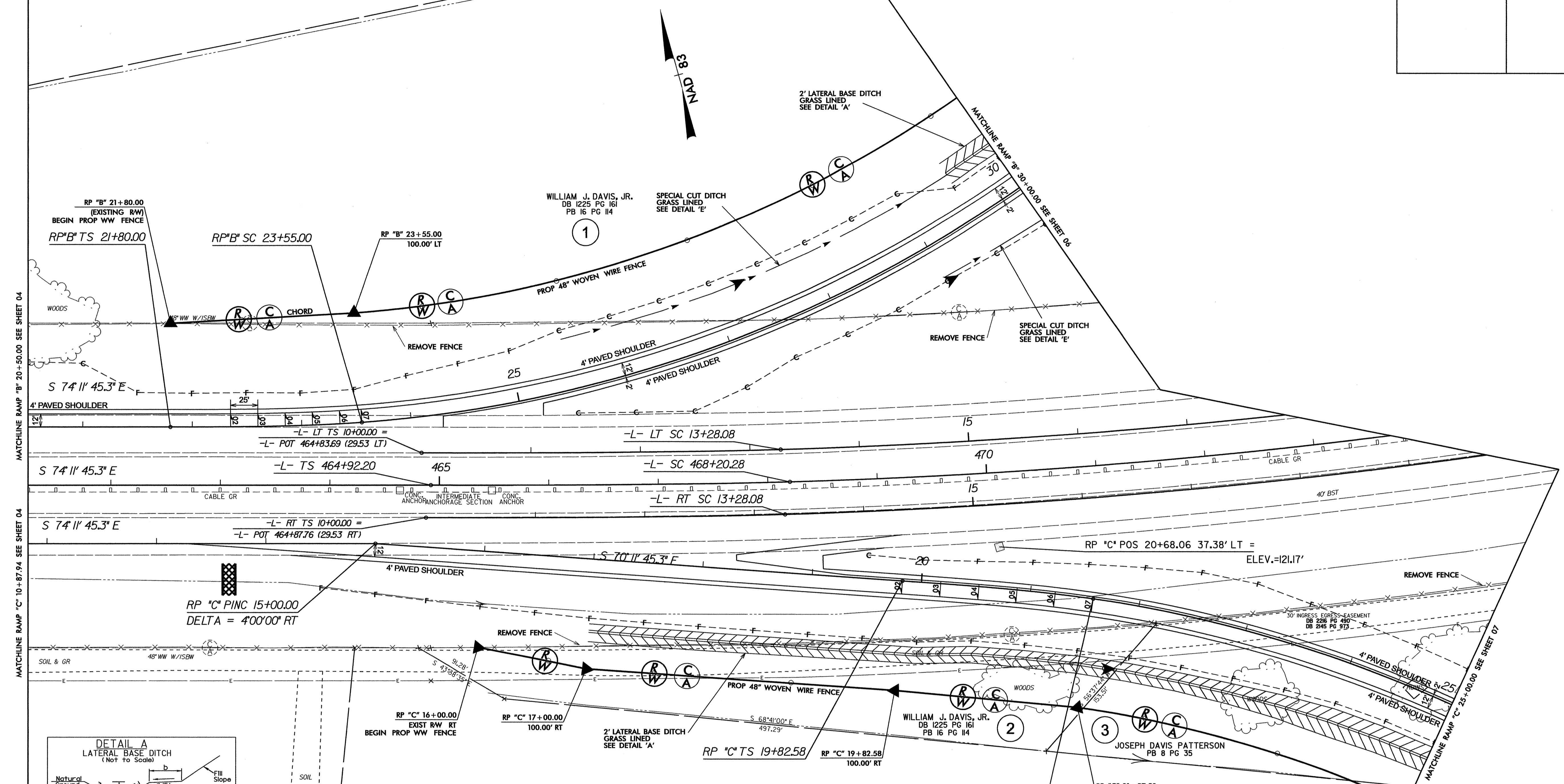
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MATCHLINE RAMP "B" 20+50.00 SEE SHEET 05
MATCHLINE RAMP "C" 11+82.69 SEE SHEET 05

PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-10/CONST.5
RW SHEET NO.	05

LINE RP "B"
 Pls Sta 22+96.70 PI Sta 27+25.18 Pls Sta 31+31.50
 $\theta_s = 4^\circ 10' 40.1''$ $\Delta = 34^\circ 17' 18.4''$ (LT) $\theta_s = 4^\circ 10' 40.1''$
 $L_s = 175.00'$ $D = 4^\circ 46' 28.7''$ $L_s = 175.00'$
 $LT = 116.70'$ $L = 718.14'$ $LT = 116.70'$
 $ST = 58.36'$ $T = 370.18'$ $ST = 58.36'$
 $R = 1,200.00'$

FOR RAMP B PROFILE, SEE SHEET NO. 11
 FOR RAMP C PROFILE, SEE SHEET NO. 13



LINE -L- RT
 Pls Sta 12+18.73 PI Sta 34+05.20
 $\theta_s = 1^\circ 38' 13.3''$ $\Delta = 39^\circ 46' 39.6''$ (LT)
 $L_s = 328.08'$ $D = 0^\circ 59' 52.6''$
 $LT = 218.73'$ $L = 3,986.02'$
 $ST = 109.37'$ $T = 2,077.11'$
 $R = 5,741.46'$

LINE -L-
 Pls Sta 467+10.93 PI Sta 488+90.93
 $\theta_s = 1^\circ 38' 30.2''$ $\Delta = 39^\circ 46' 05.9''$ (LT)
 $L_s = 328.08'$ $D = 0^\circ 59' 52.6''$
 $LT = 218.73'$ $L = 3,973.69'$
 $ST = 109.37'$ $T = 2,070.65'$
 $R = 5,725.05'$

LINE -L- LT
 Pls Sta 12+18.73 PI Sta 34+05.20
 $\theta_s = 1^\circ 38' 13.3''$ $\Delta = 39^\circ 46' 39.6''$ (LT)
 $L_s = 328.08'$ $D = 0^\circ 59' 52.6''$
 $LT = 218.73'$ $L = 3,986.02'$
 $ST = 109.37'$ $T = 2,077.11'$
 $R = 5,741.46'$

LINE RP "C"
 Pls Sta 20+99.28 PI Sta 24+11.45
 $\theta_s = 4^\circ 10' 40.1''$ $\Delta = 23^\circ 53' 25.6''$ (RT)
 $L_s = 175.00'$ $D = 4^\circ 46' 28.7''$
 $LT = 116.70'$ $L = 500.36'$
 $ST = 58.36'$ $T = 253.87'$
 $R = 1,200.00'$

REVISIONS

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LINE -Y23-
 PI Sta 22+63.75
 $\Delta = 0' 46' 43.9''$ (LT)
 $D = 0' 05' 41.3''$
 $L = 821.46'$
 $T = 410.74'$
 $R = 60,429.52'$

SUSAN DAVIS LANE
 DB 96E PG 414
 DB 1225 PG 165
 PB 16 PG 114

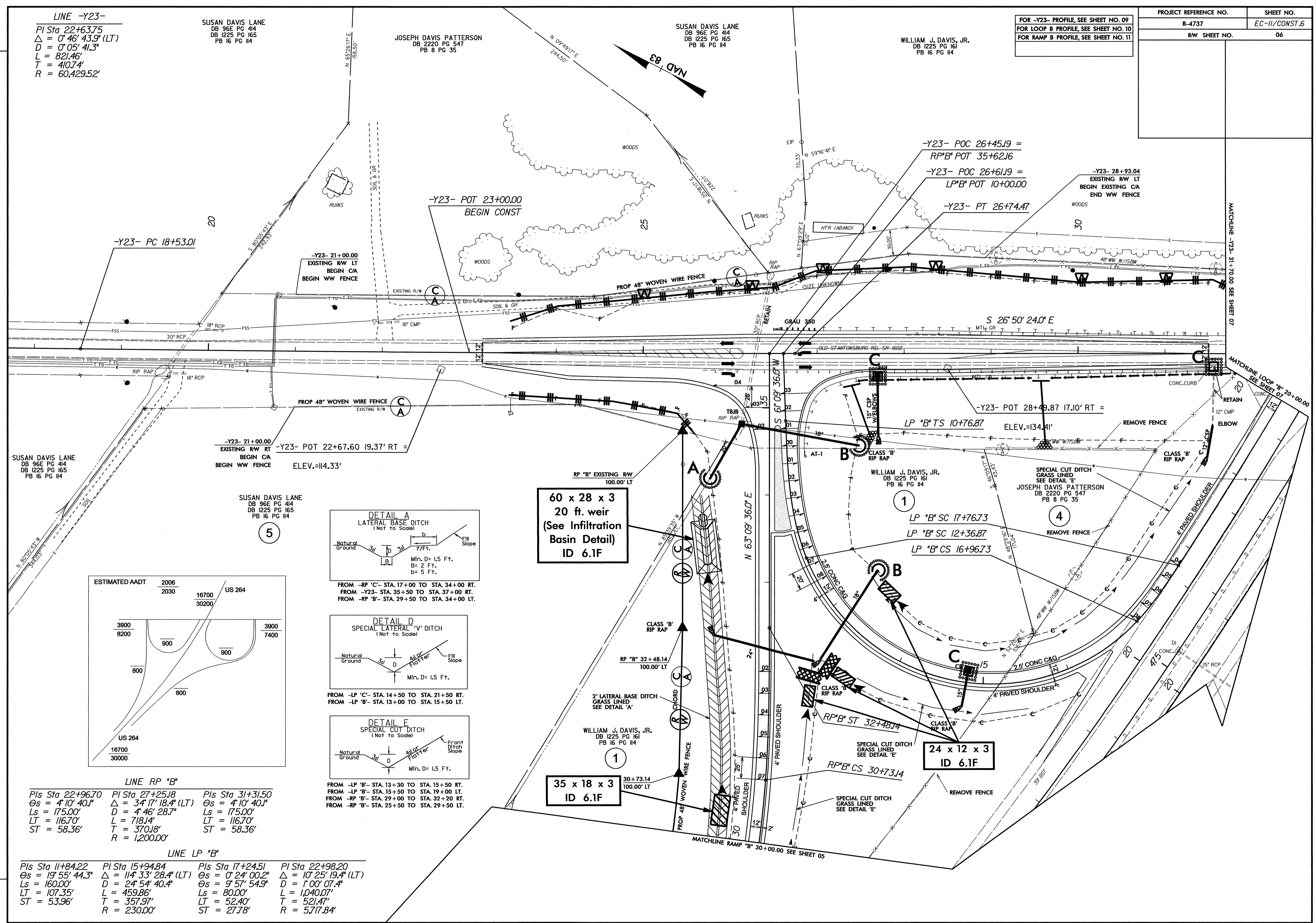
JOSEPH DAVIS PATTERSON
 DB 2220 PG 547
 PB 8 PG 35

SUSAN DAVIS LANE
 DB 96E PG 414
 DB 1225 PG 165
 PB 16 PG 114

WILLIAM J. DAVIS, JR.
 DB 1225 PG 161
 PB 16 PG 114

FOR -Y23- PROFILE, SEE SHEET NO. 09
 FOR LOOP B PROFILE, SEE SHEET NO. 10
 FOR RAMP B PROFILE, SEE SHEET NO. 11

PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-11/CONST.6
RAW SHEET NO.	06



-Y23- PC 18+53.01

-Y23- POT 23+00.00
 BEGIN CONST

-Y23- 21+00.00
 EXISTING RW LT
 BEGIN CA
 BEGIN WW FENCE

-Y23- POC 26+45.19 =
 RP"B" POT 35+62.16

-Y23- POC 26+61.19 =
 LP"B" POT 10+00.00

-Y23- PT 26+74.47

-Y23- 28+93.04
 EXISTING RW LT
 BEGIN EXISTING CA
 END WW FENCE

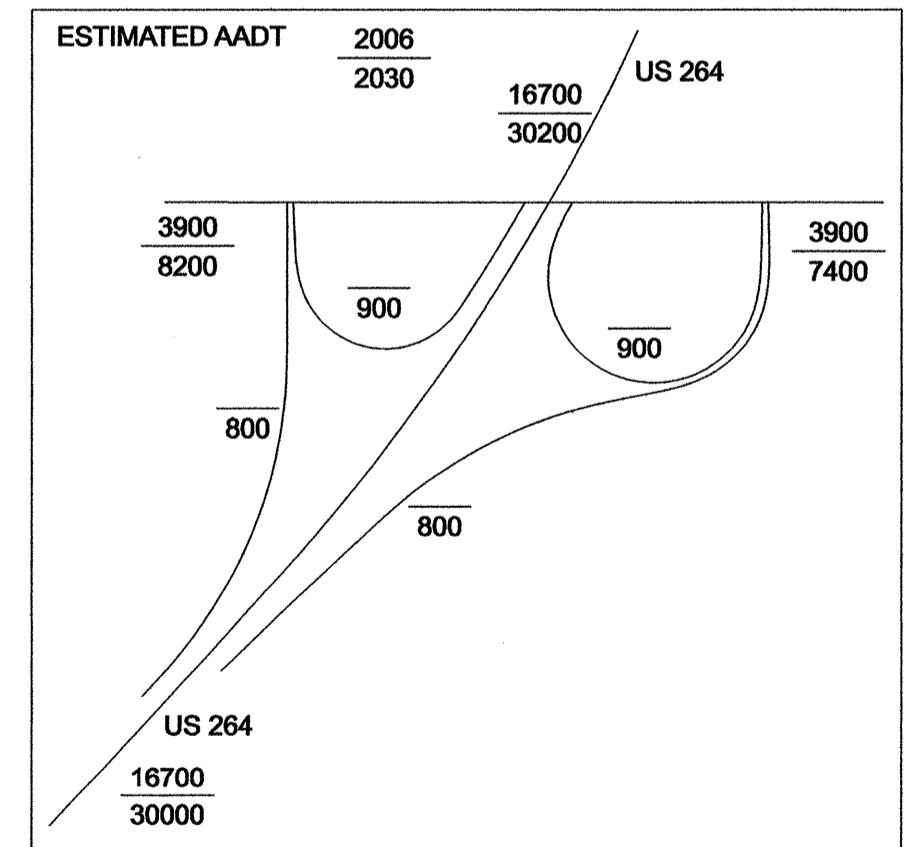
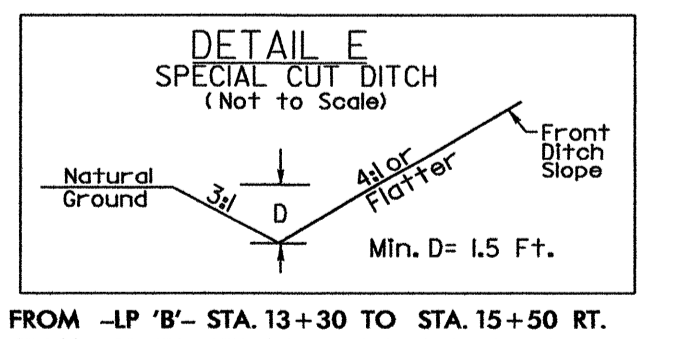
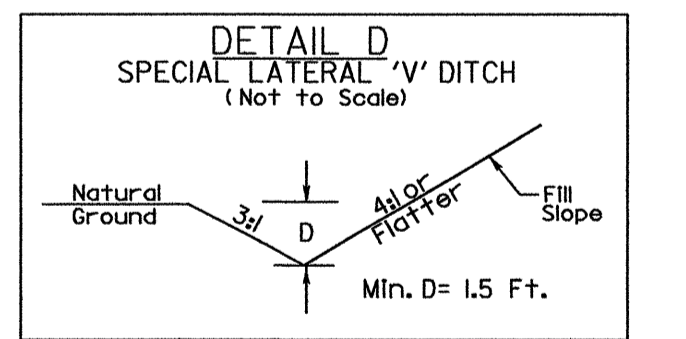
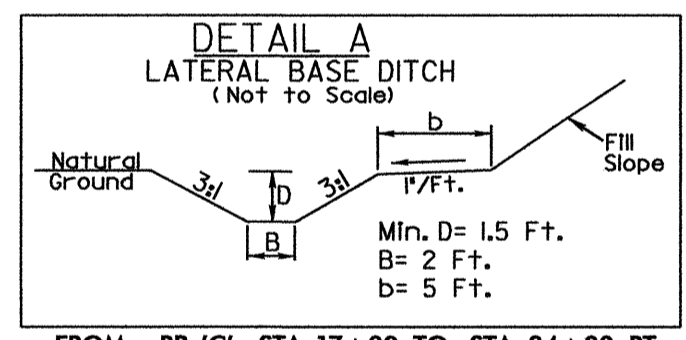
-Y23- 21+00.00
 EXISTING RW RT
 BEGIN CA
 BEGIN WW FENCE
 ELEV.=114.33'

SUSAN DAVIS LANE
 DB 96E PG 414
 DB 1225 PG 165
 PB 16 PG 114

60 x 28 x 3
 20 ft. weir
 (See Infiltration
 Basin Detail)
 ID 6.1F

24 x 12 x 3
 ID 6.1F

35 x 18 x 3
 ID 6.1F



LINE RP "B"
 Pls Sta 22+96.70 PI Sta 27+25.18 Pls Sta 31+31.50
 $\Theta_s = 4' 10' 40.1''$ $\Delta = 34' 17' 18.4''$ (LT) $\Theta_s = 4' 10' 40.1''$
 $L_s = 175.00'$ $D = 4' 46' 28.7''$ $L_s = 175.00'$
 $LT = 116.70'$ $L = 718.14'$ $LT = 116.70'$
 $ST = 58.36'$ $T = 370.18'$ $ST = 58.36'$
 $R = 1,200.00'$

LINE LP "B"
 Pls Sta 11+84.22 PI Sta 15+94.84 Pls Sta 17+24.51 PI Sta 22+98.20
 $\Theta_s = 19' 55' 44.3''$ $\Delta = 114' 33' 28.4''$ (LT) $\Theta_s = 0' 24' 00.2''$ $\Delta = 10' 25' 19.4''$ (LT)
 $L_s = 160.00'$ $D = 24' 54' 40.4''$ $\Theta_s = 9' 57' 54.9''$ $D = 1' 00' 07.4''$
 $LT = 107.35'$ $L = 459.86'$ $L_s = 80.00'$ $L = 1,040.07'$
 $ST = 53.96'$ $T = 357.97'$ $LT = 52.40'$ $T = 521.47'$
 $R = 230.00'$ $ST = 27.78'$ $R = 5,717.84'$

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REVISIONS

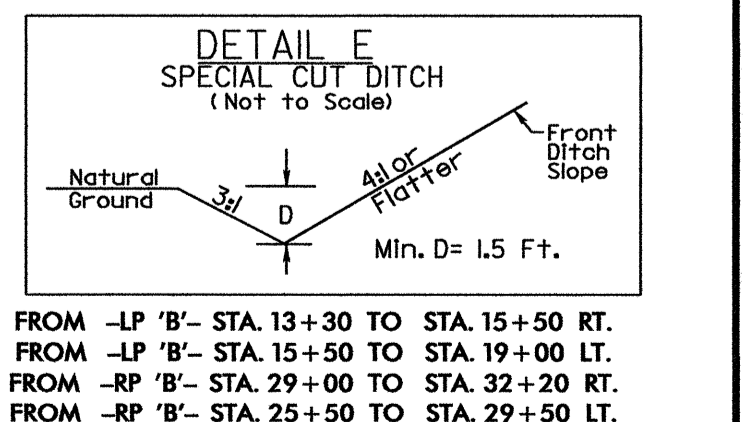
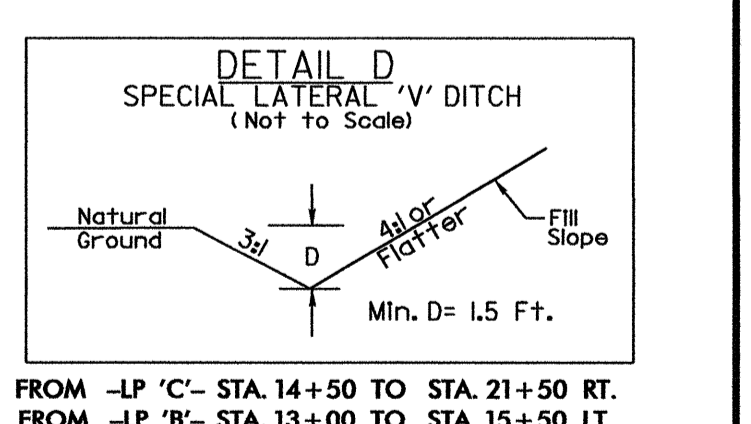
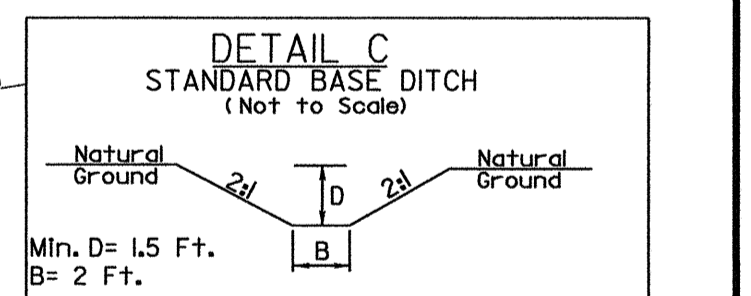
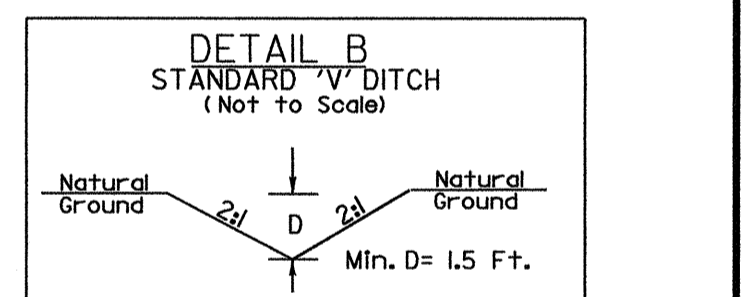
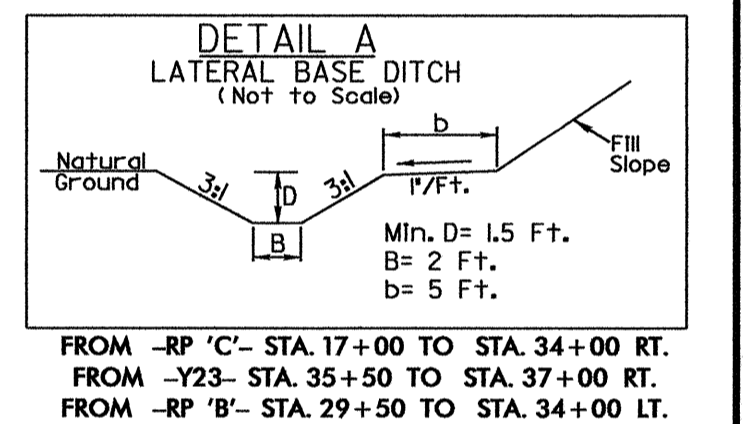
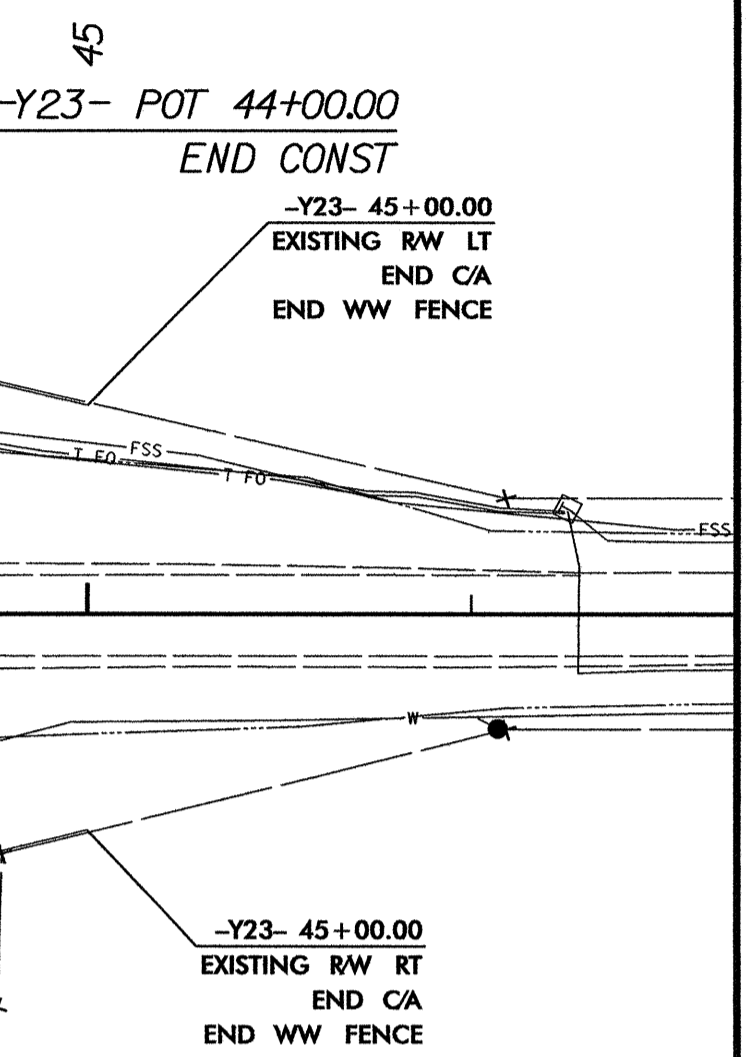
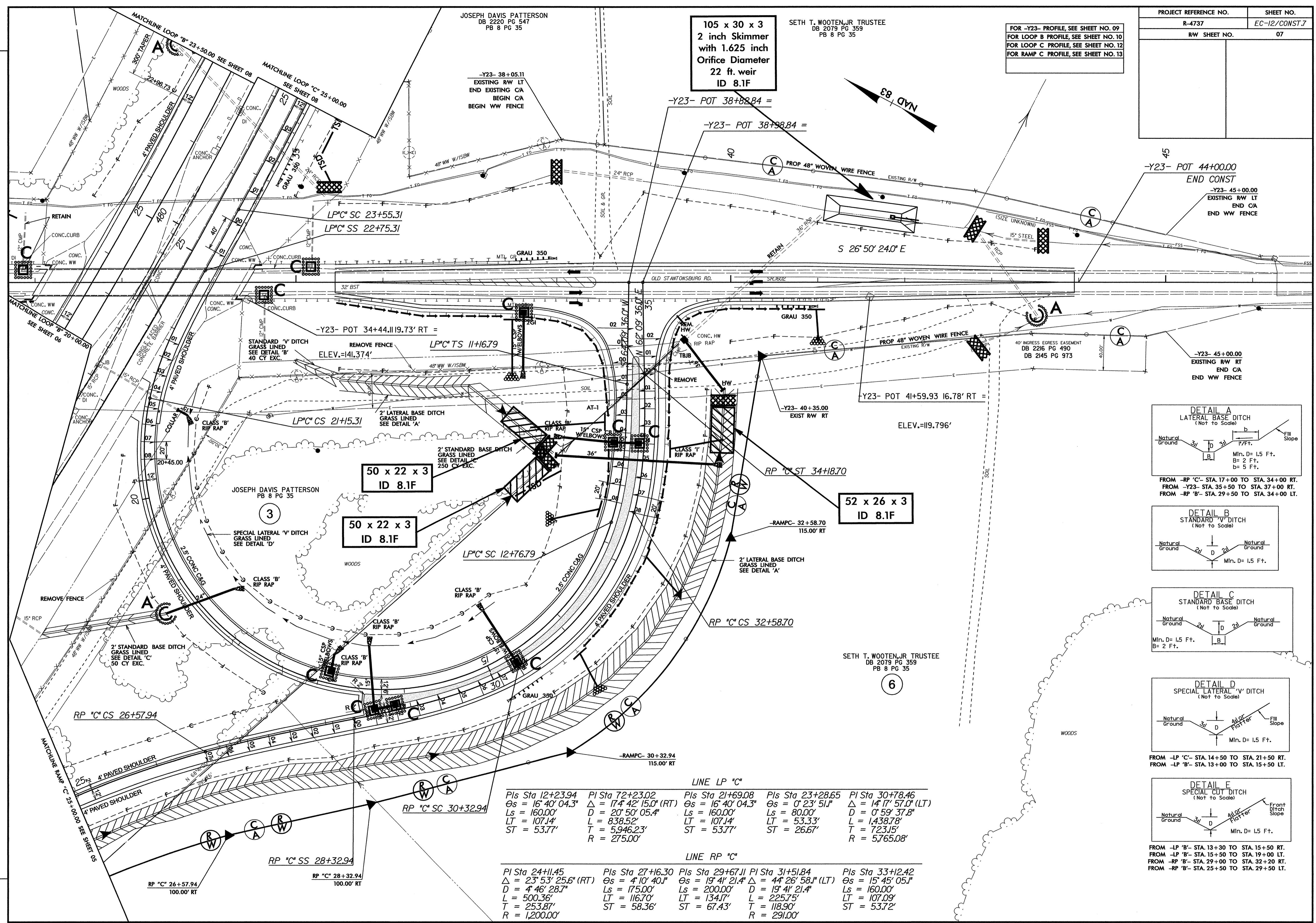
PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-12/CONST.7
RW SHEET NO.	07

FOR -Y23- PROFILE, SEE SHEET NO. 09
 FOR LOOP B PROFILE, SEE SHEET NO. 10
 FOR LOOP C PROFILE, SEE SHEET NO. 12
 FOR RAMP C PROFILE, SEE SHEET NO. 13

105 x 30 x 3
2 inch Skimmer
with 1.625 inch
Orifice Diameter
22 ft. weir
ID 8.1F

SETH T. WOOTEEN, JR. TRUSTEE
 DB 2079 PG 359
 PB 8 PG 35

JOSEPH DAVIS PATTERSON
 DB 2220 PG 547
 PB 8 PG 35



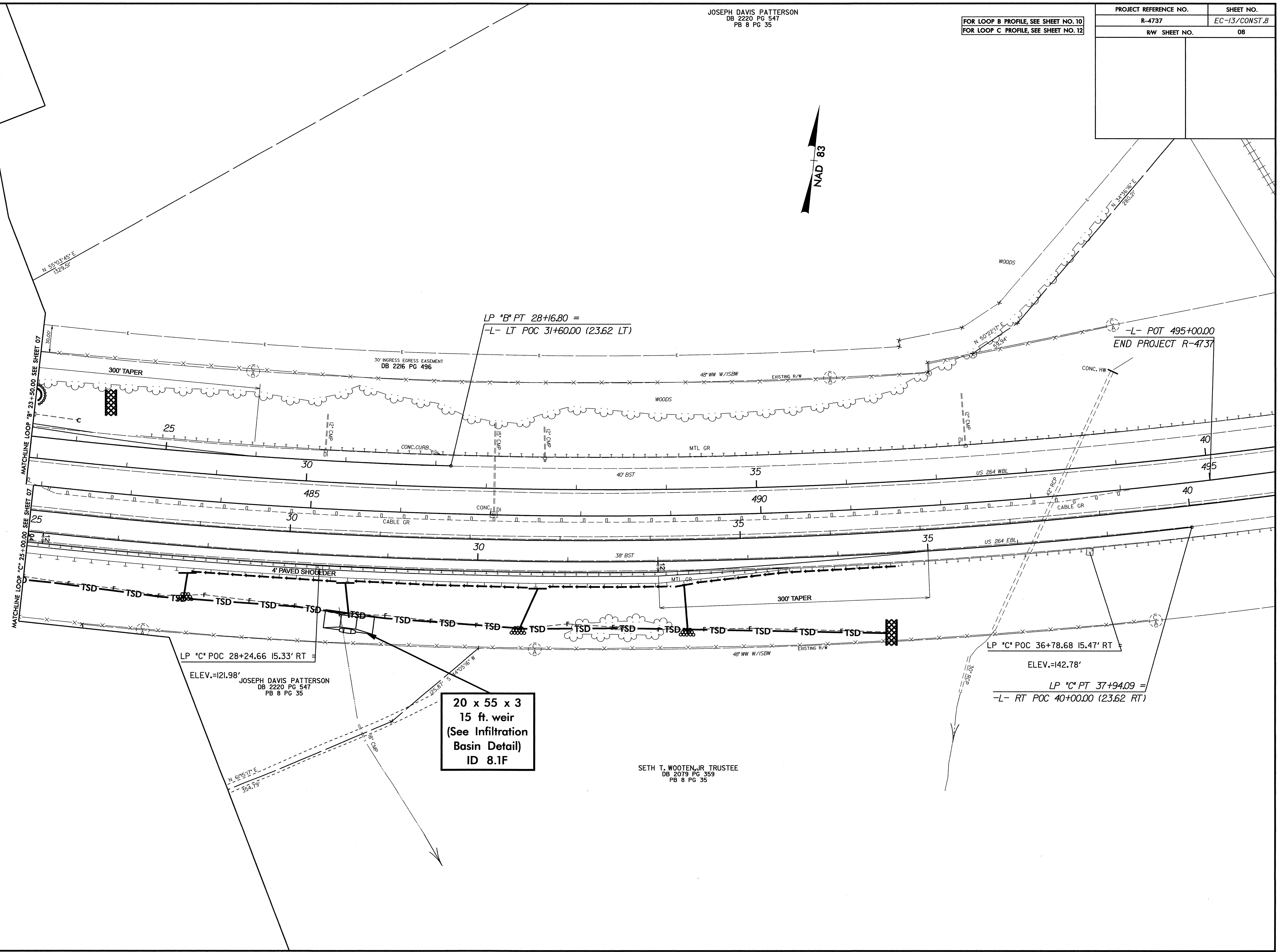
LINE LP 'C'				
Pls Sta 12+23.94	PI Sta 72+23.02	Pls Sta 21+69.08	Pls Sta 23+28.65	PI Sta 30+78.46
Δs = 16° 40' 04.3"	Δ = 17° 42' 15.0" (RT)	Δs = 16° 40' 04.3"	Δs = 0° 23' 51.1"	Δ = 14° 17' 57.0" (LT)
Ls = 160.00'	D = 20° 50' 05.4"	Ls = 160.00'	Ls = 80.00'	D = 0° 59' 37.8"
LT = 107.14'	L = 838.52'	LT = 107.14'	LT = 53.33'	L = 1,438.78'
ST = 53.77'	T = 5,946.23'	ST = 53.77'	ST = 26.67'	T = 723.15'
	R = 275.00'			R = 5,765.08'

LINE RP 'C'				
PI Sta 24+11.45	PI Sta 27+16.30	PI Sta 29+67.11	PI Sta 31+51.84	PI Sta 33+12.42
Δs = 23° 53' 25.6" (RT)	Δs = 4° 10' 40.1"	Δs = 19° 41' 21.4"	Δ = 44° 26' 58.1" (LT)	Δs = 15° 45' 05.1"
D = 4° 46' 28.7"	Ls = 175.00'	Ls = 200.00'	D = 19° 41' 21.4"	Ls = 160.00'
L = 500.36'	LT = 116.70'	LT = 134.17'	L = 225.75'	LT = 107.09'
T = 253.87'	ST = 58.36'	ST = 67.43'	T = 118.90'	ST = 53.72'
R = 1,200.00'		R = 291.00'		

REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
R-4737	EC-13/CONST.8
R/W SHEET NO.	08



**20 x 55 x 3
15 ft. weir
(See Infiltration
Basin Detail)
ID 8.1F**

ELEV.=121.98'
JOSEPH DAVIS PATTERSON
DB 2220 PG 547
PB 8 PG 35

SETH T. WOOTEN, JR. TRUSTEE
DB 2079 PG 359
PB 8 PG 35

REVISIONS

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