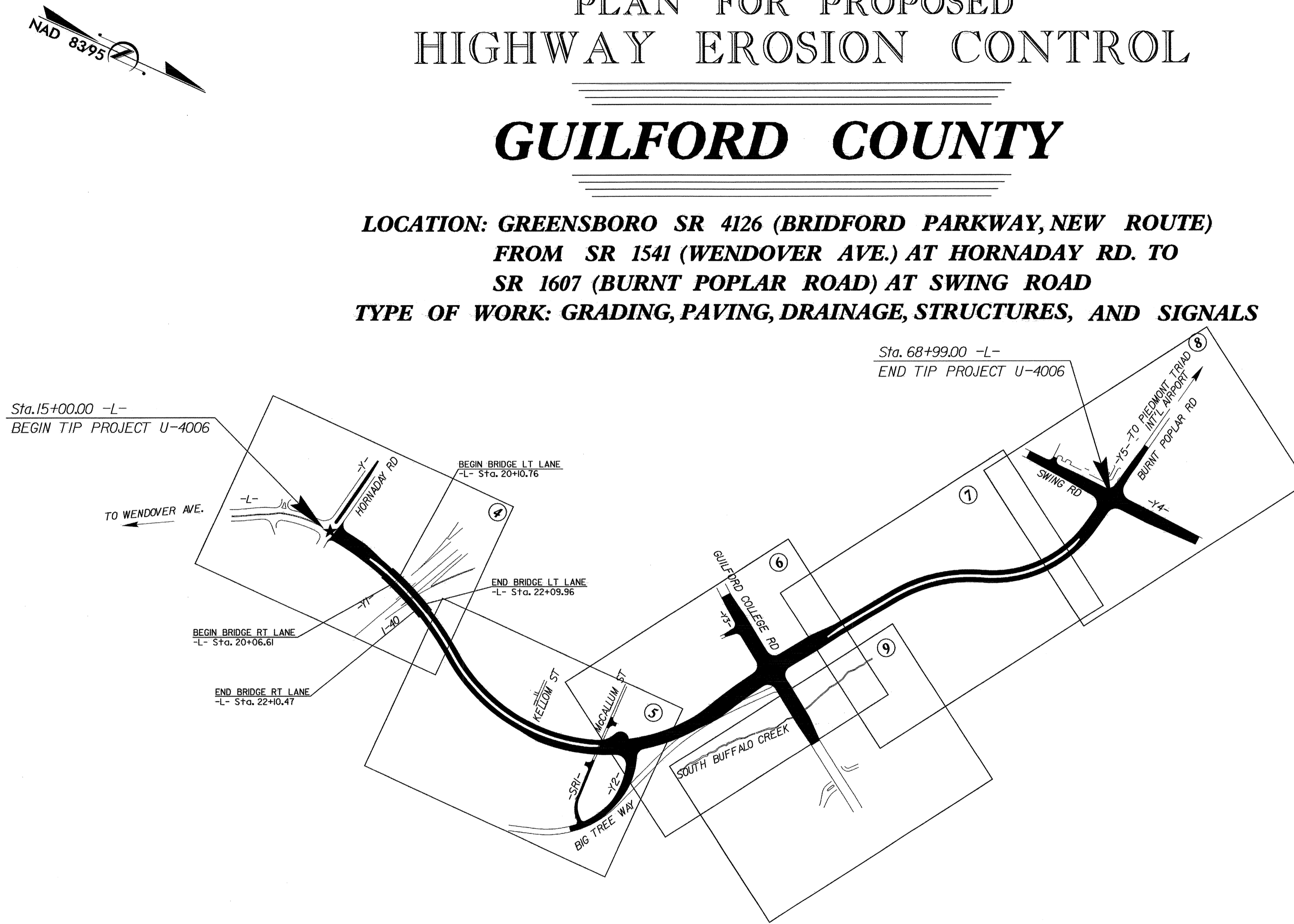


**TIP PROJECT: U-4006**

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

**LOCATION: GREENSBORO SR 4126 (BRIDFORD PARKWAY, NEW ROUTE)  
 FROM SR 1541 (WENDOVER AVE.) AT HORNADAY RD. TO  
 SR 1607 (BURNT POPLAR ROAD) AT SWING ROAD  
 TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURES, AND SIGNALS**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4006	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	⊙
	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
	Temporary Rock Silt Check Type-B	▨
	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

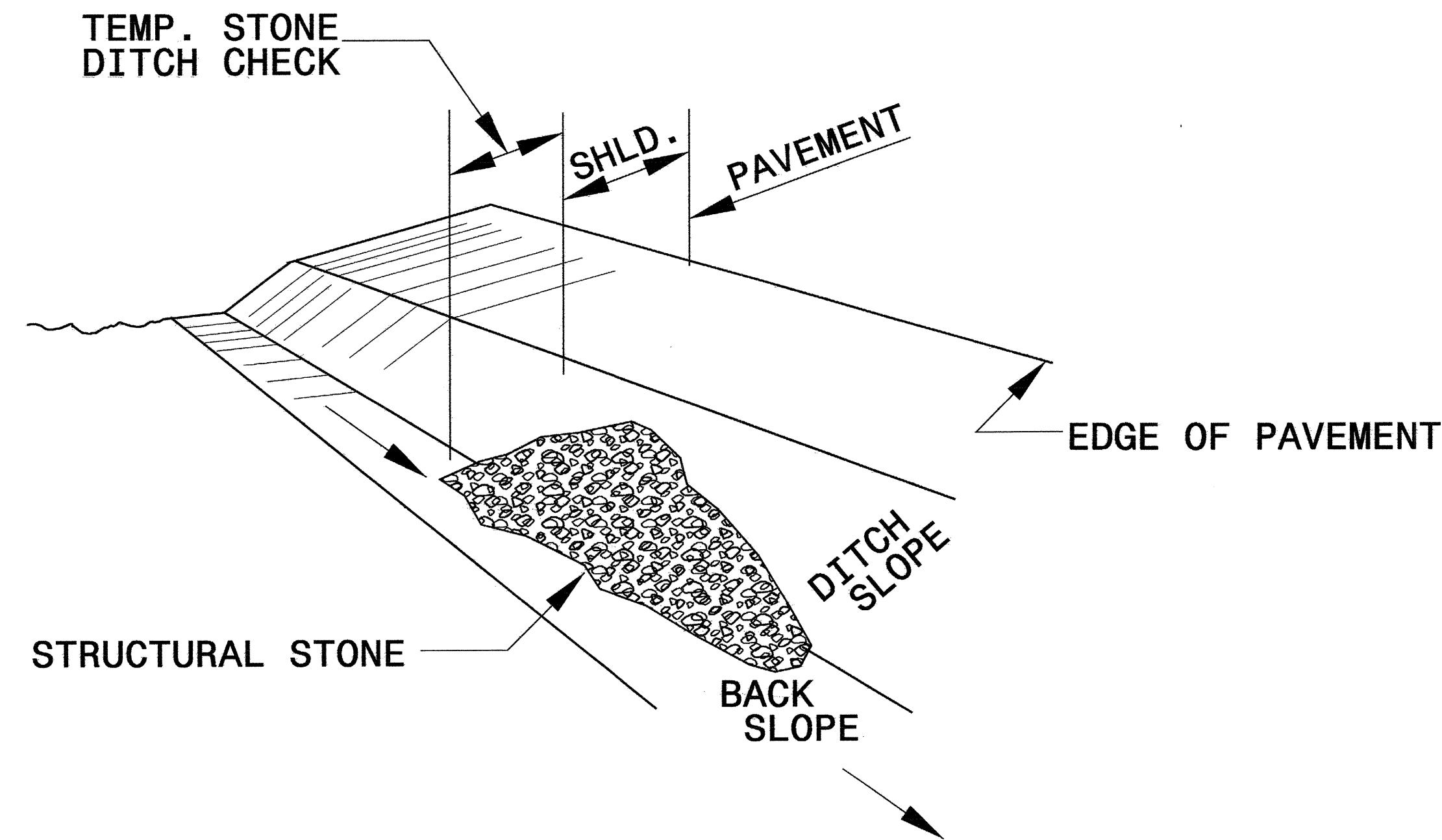
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1632.01 Rock Inlet Sediment Trap Type A
1606.01 Special Sediment Control Fence	1632.02 Rock Inlet Sediment Trap Type B
1607.01 Gravel Construction Entrance	1632.03 Rock Inlet Sediment Trap Type C
1622.01 Temporary Berms and Slope Drains	1633.01 Temporary Rock Silt Check Type A
1630.03 Temporary Silt Ditch	1634.02 Temporary Rock Sediment Dam Type B
1630.05 Temporary Diversion	1635.01 Rock Pipe Inlet Sediment Trap Type A
	1635.02 Rock Pipe Inlet Sediment Trap Type B

05-MAY-2009 09:30 Jemmi.Farrell@ncdot.gov

PROJECT REFERENCE NO. U-4006	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

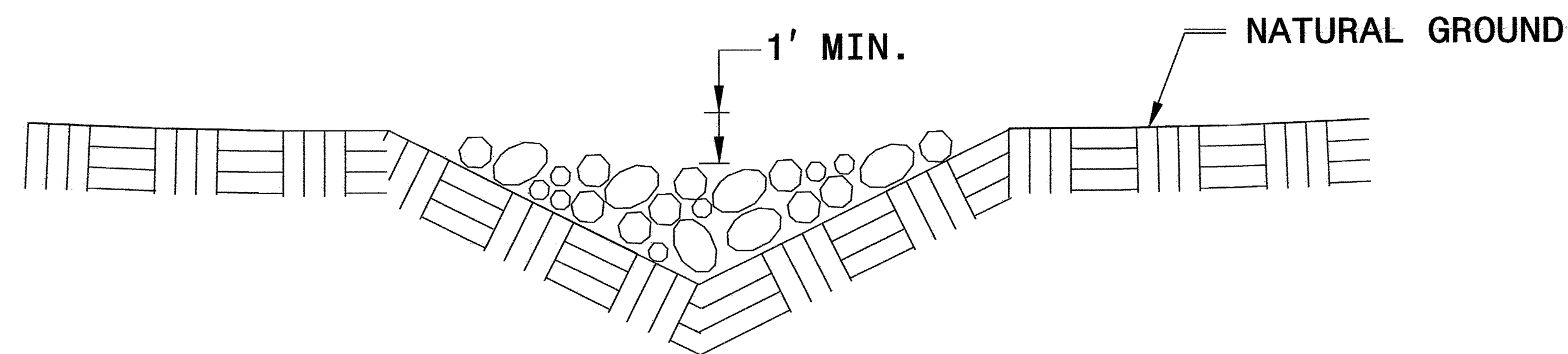


**ISOMETRIC VIEW**

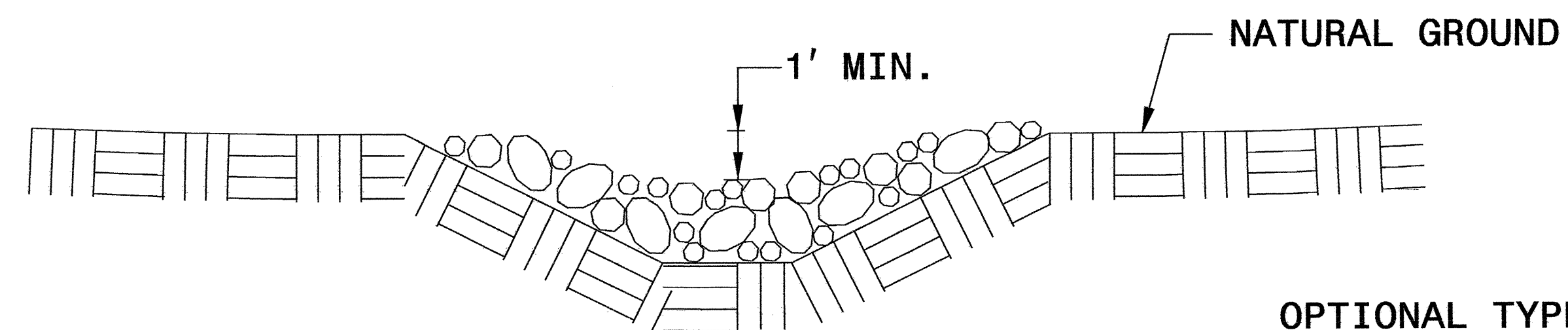
**NOTES:**

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

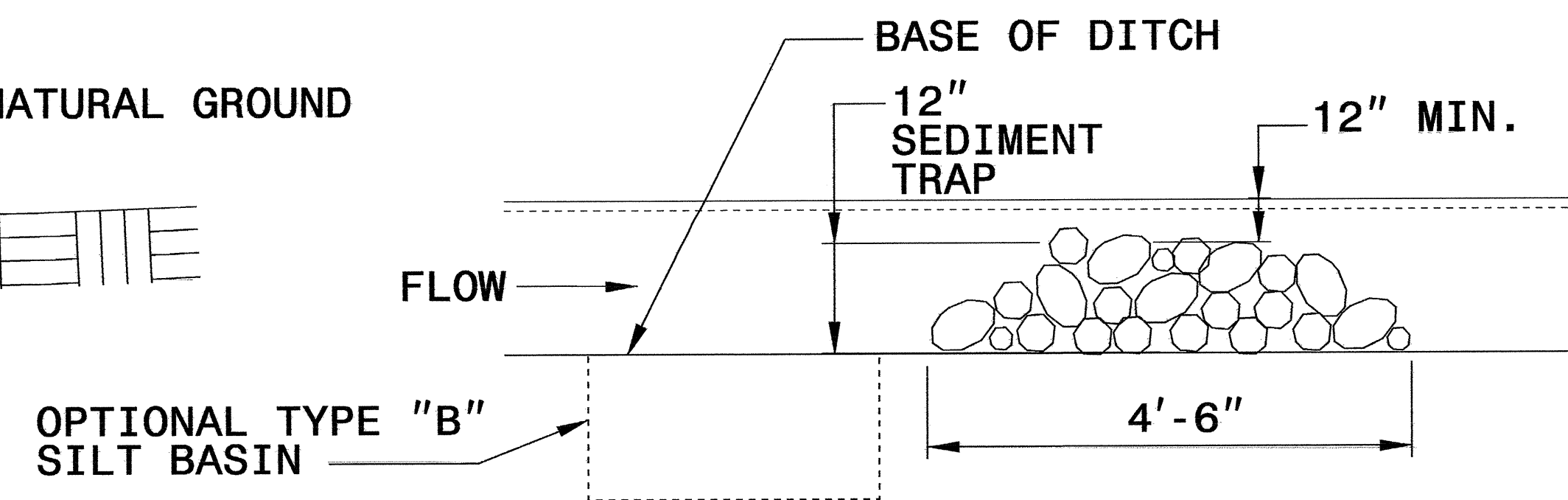
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION VEE DITCH**



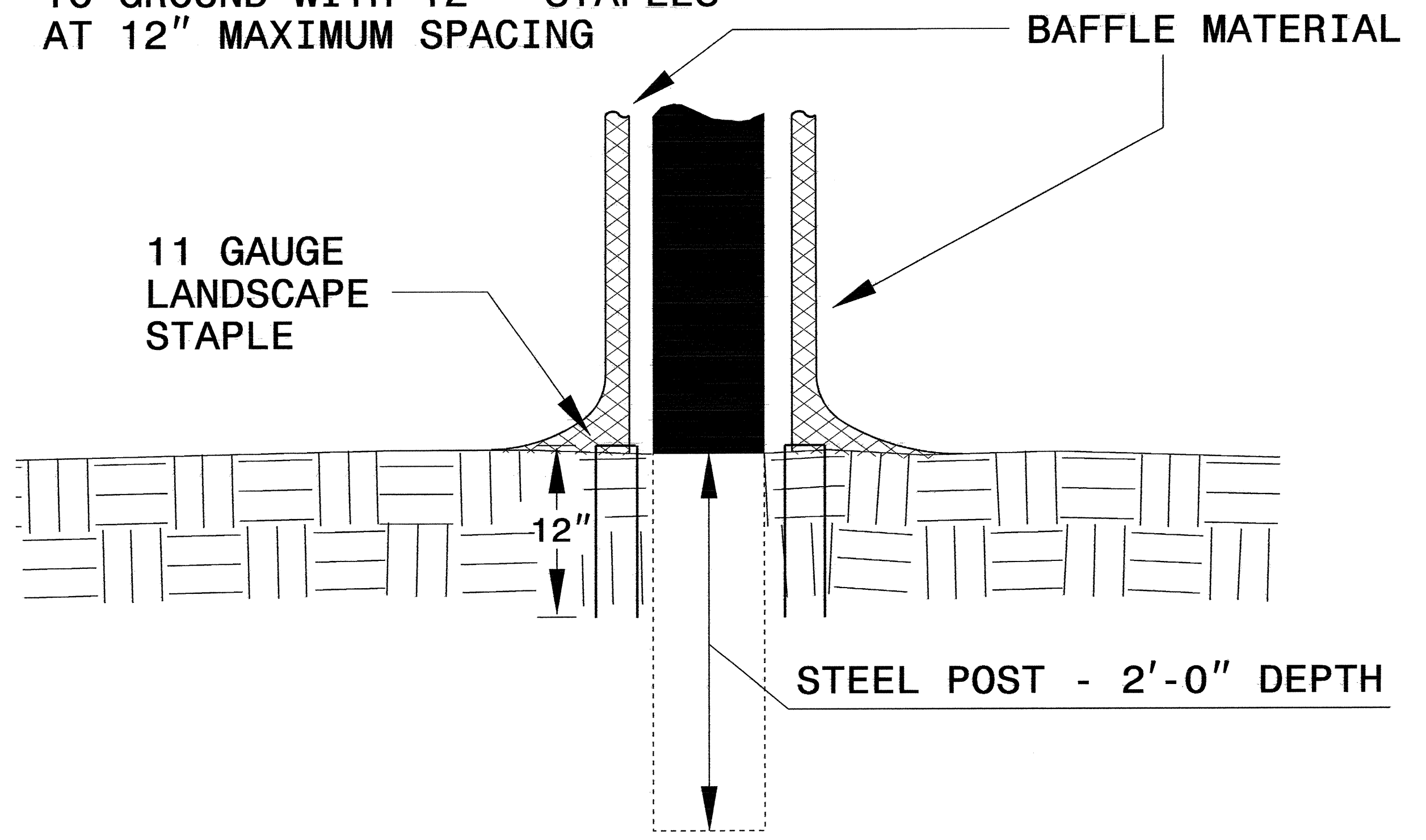
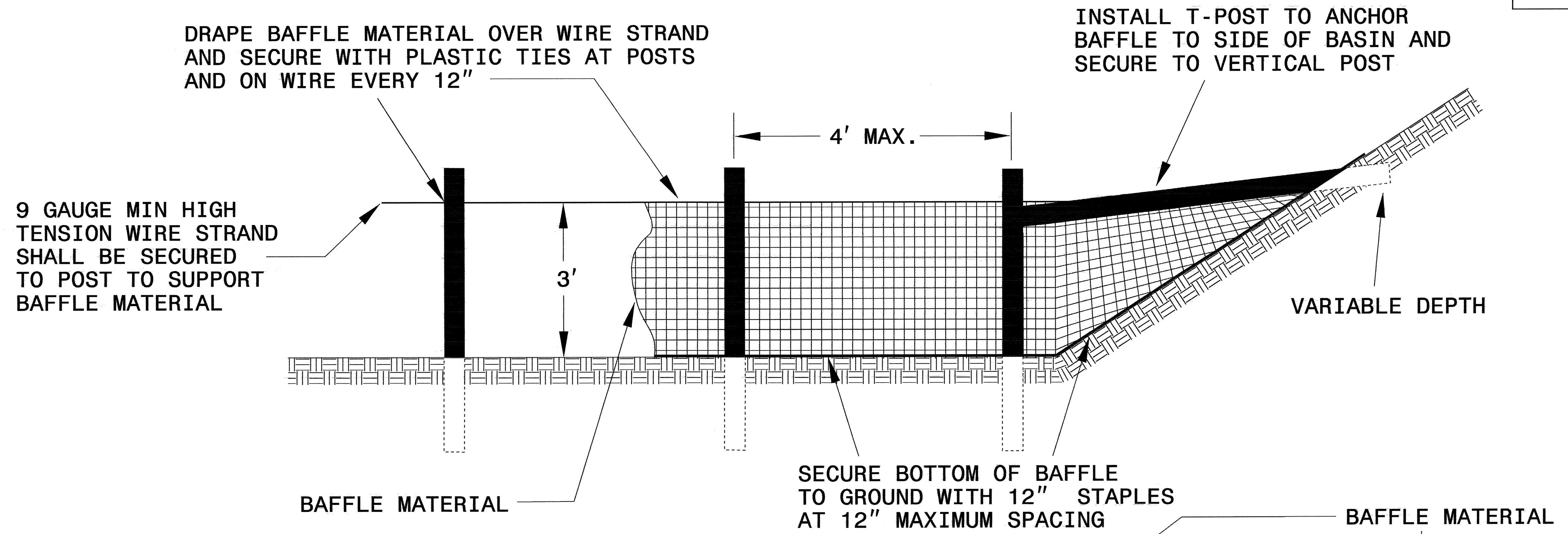
**CROSS SECTION TRAPEZOIDAL DITCH**



**ELEVATION VIEW**

PROJECT REFERENCE NO. U-4006	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER BAFFLE DETAIL



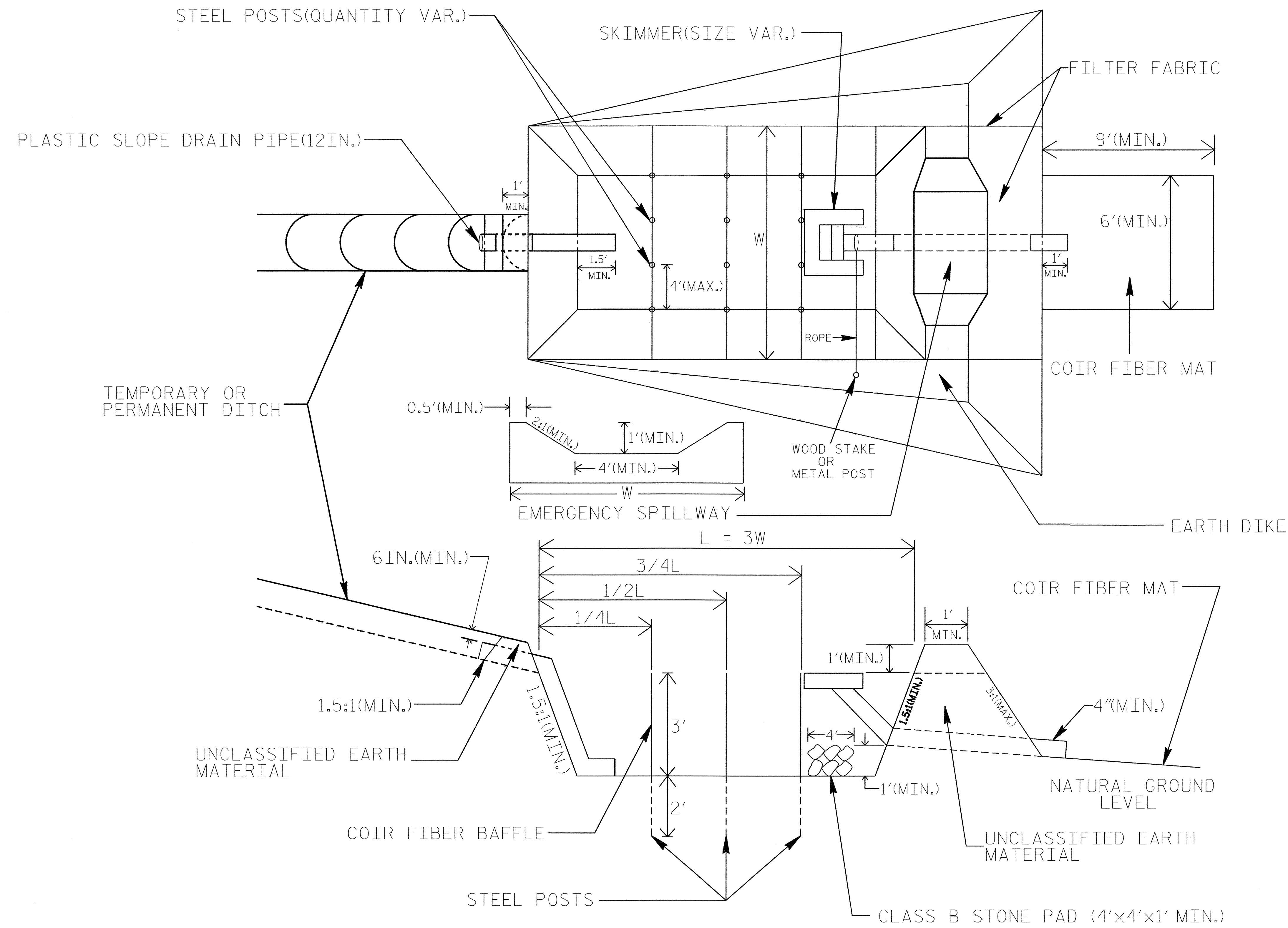
**NOTES:**

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

# SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. U-4006	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



## NOTES

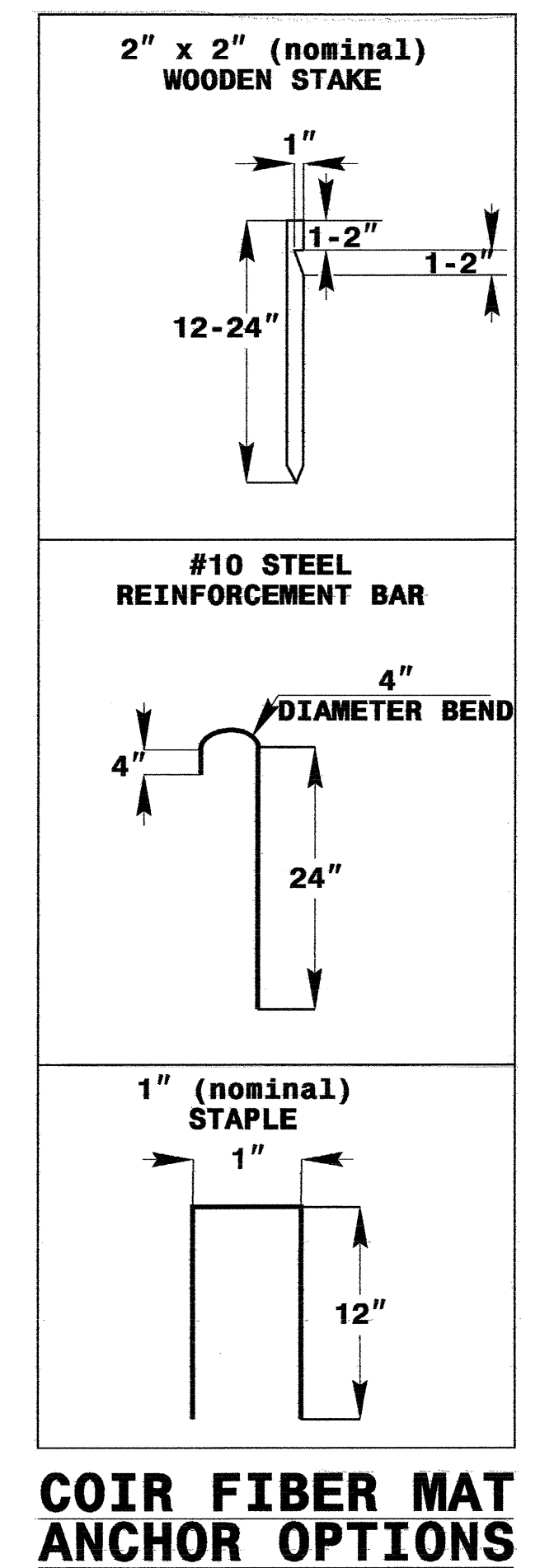
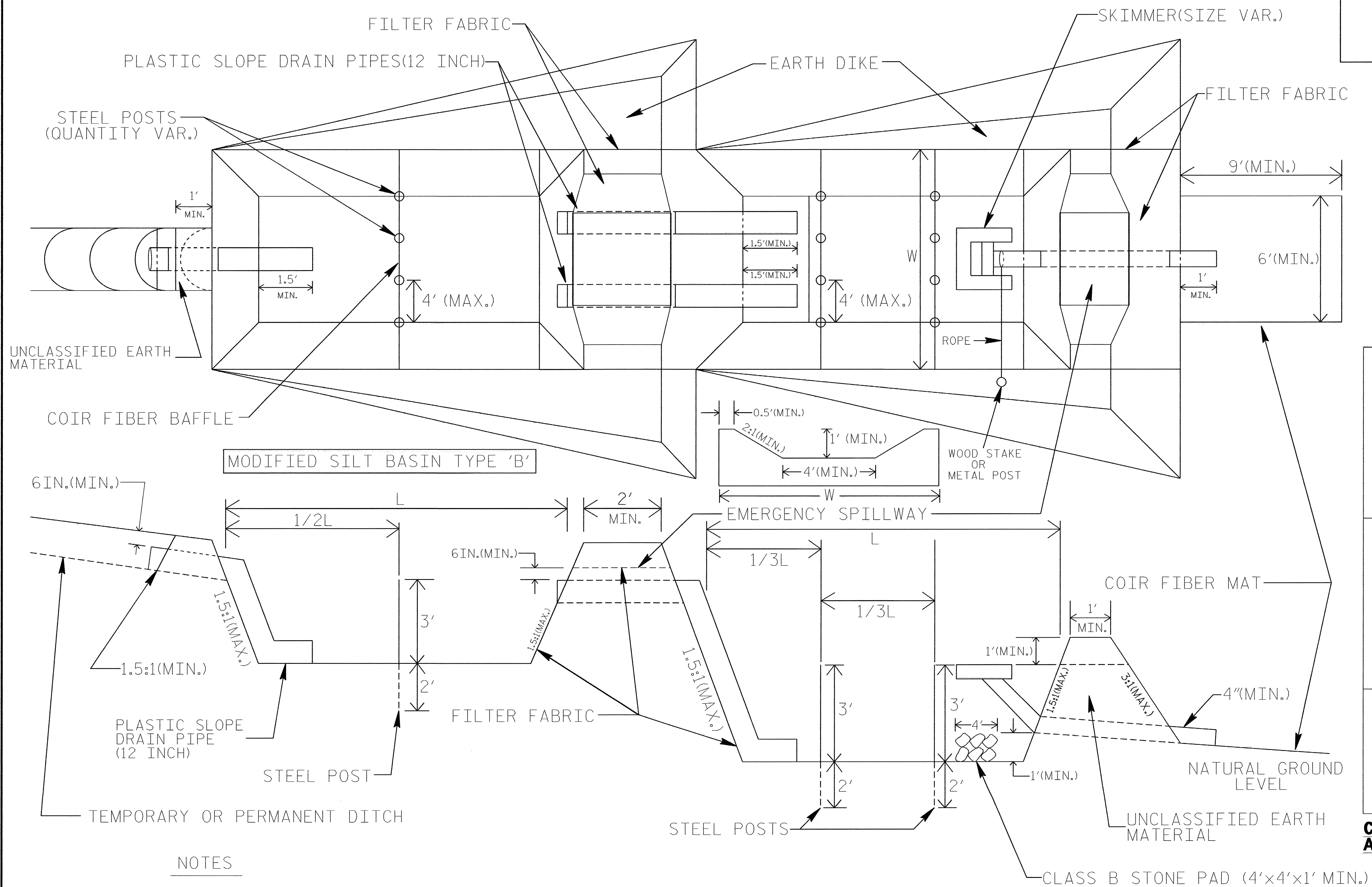
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING  $Q/0.8$ , WHERE Q IS FLOW RATE (CFS) INTO BASIN.

## COIR FIBER MAT ANCHOR OPTIONS

NOT TO SCALE

PROJECT REFERENCE NO. U-4006	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# TIERED SKIMMER BASIN DETAIL



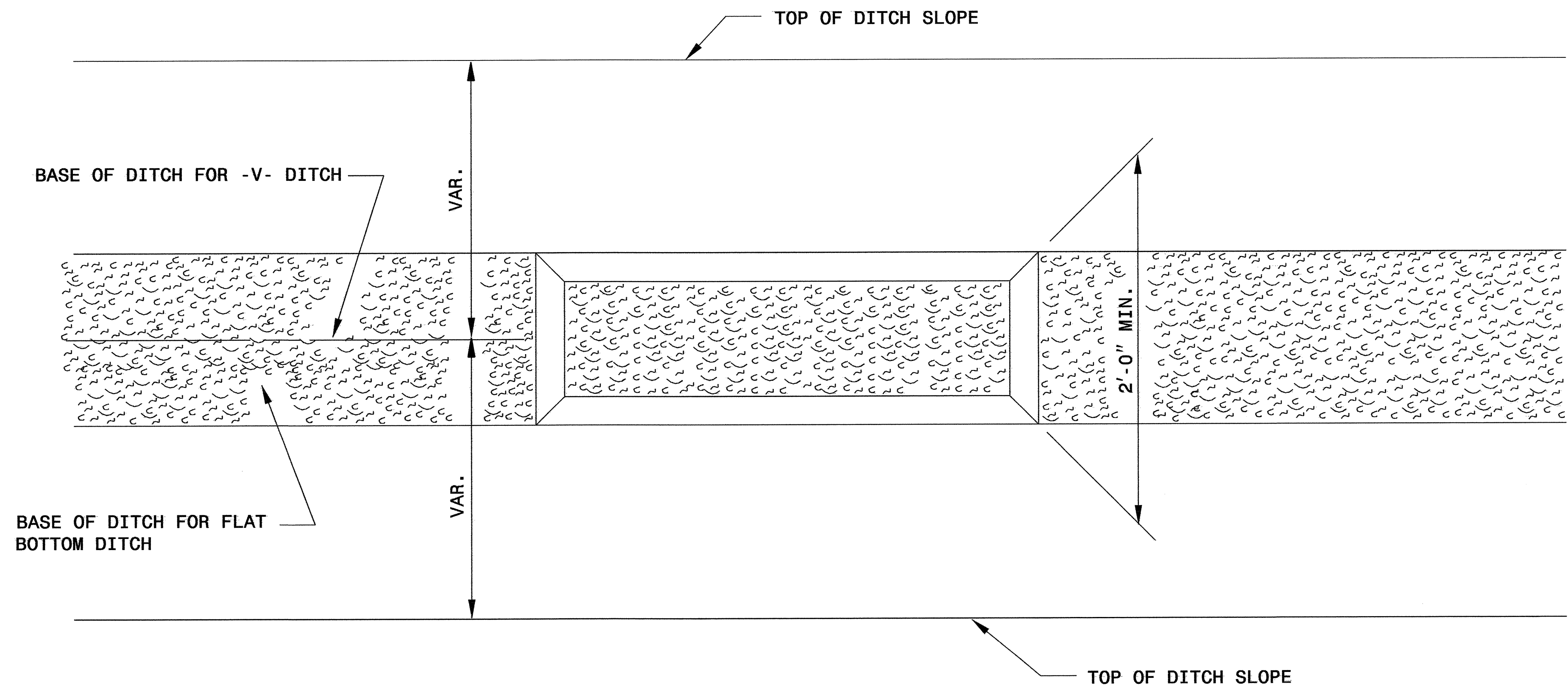
## NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
4. THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE EMERGENCY SPILLWAY LENGTHS (FT.) USING  $Q/0.8$ , WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.

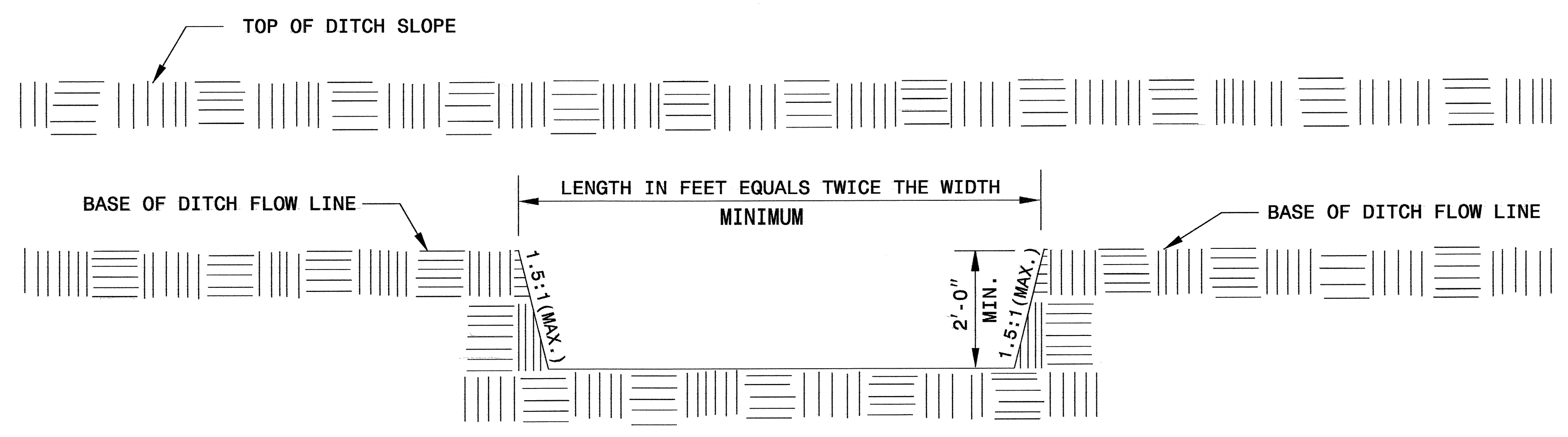
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
U-4006	EC-2D
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# SILT BASIN 'B' DETAIL



PLAN



ELEVATION

PROJECT REFERENCE NO. U-4006	SHEET NO. EC-2E
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# WATTLE WITH POLYACRYLAMIDE DETAIL

**NOTES:**

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

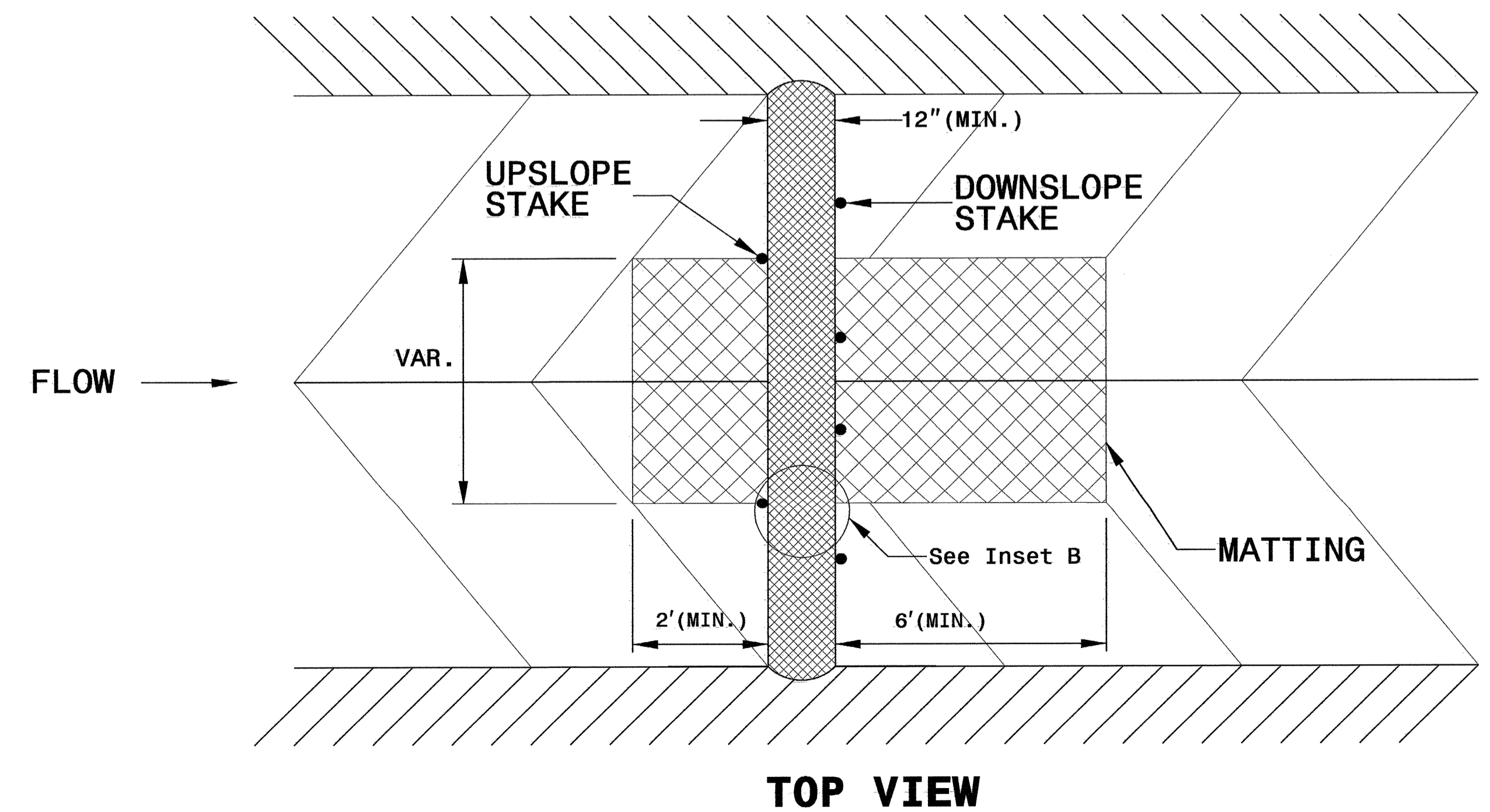
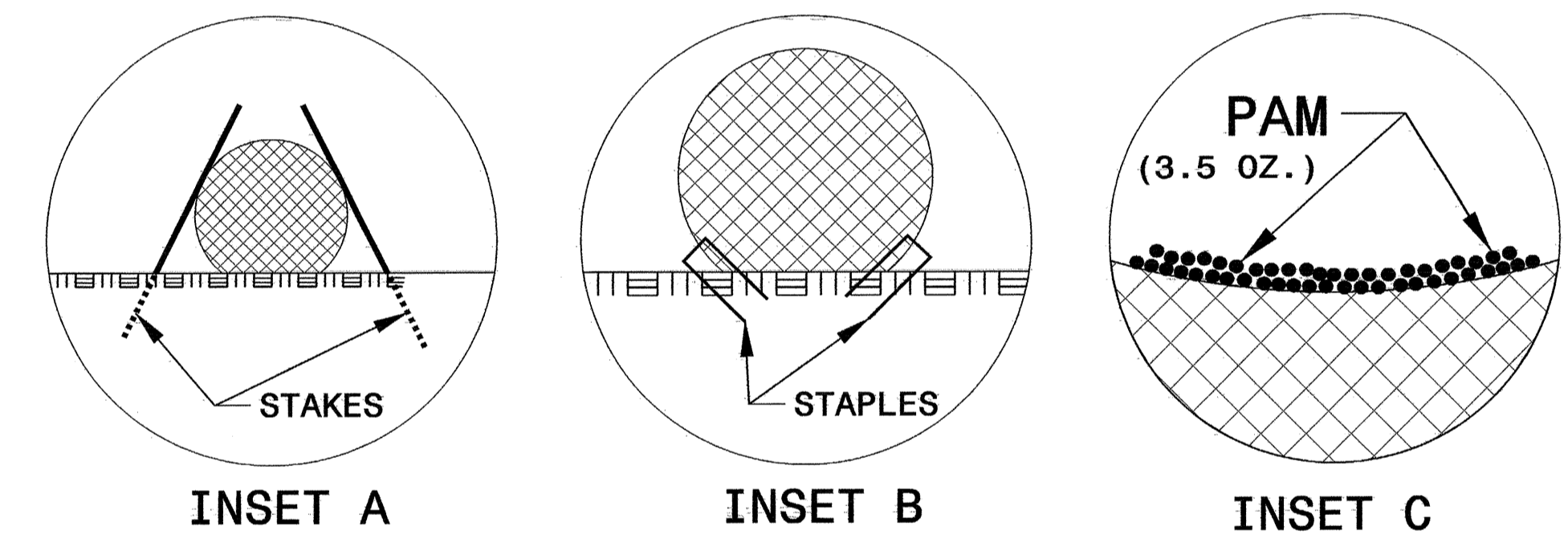
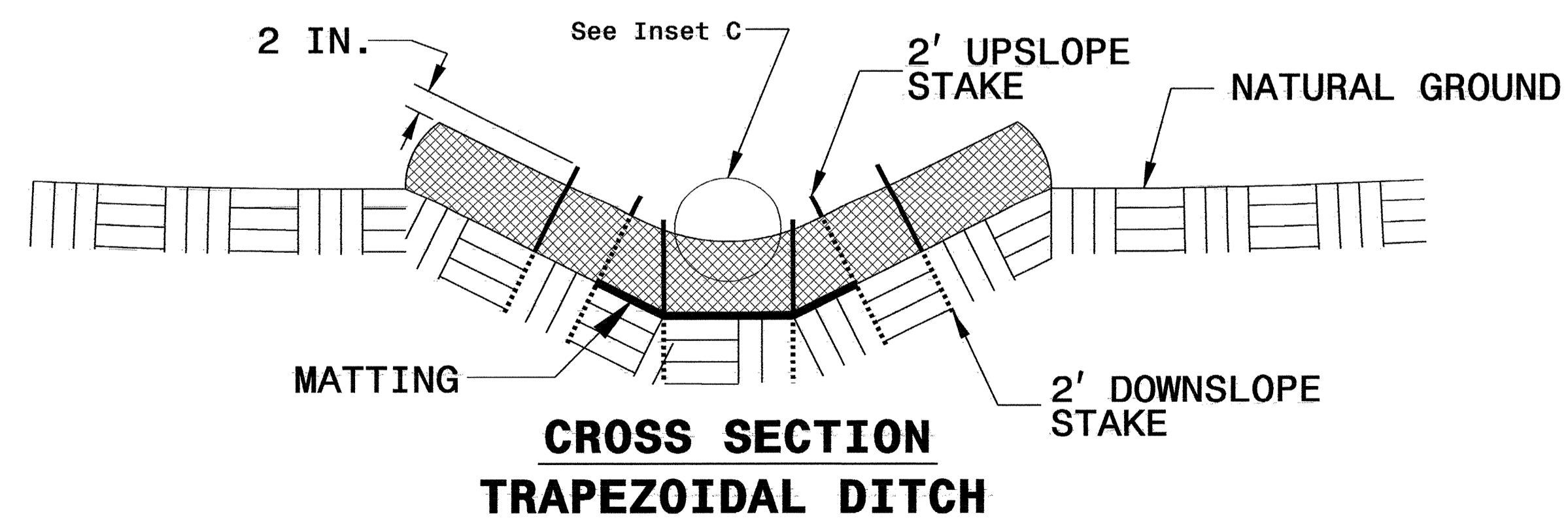
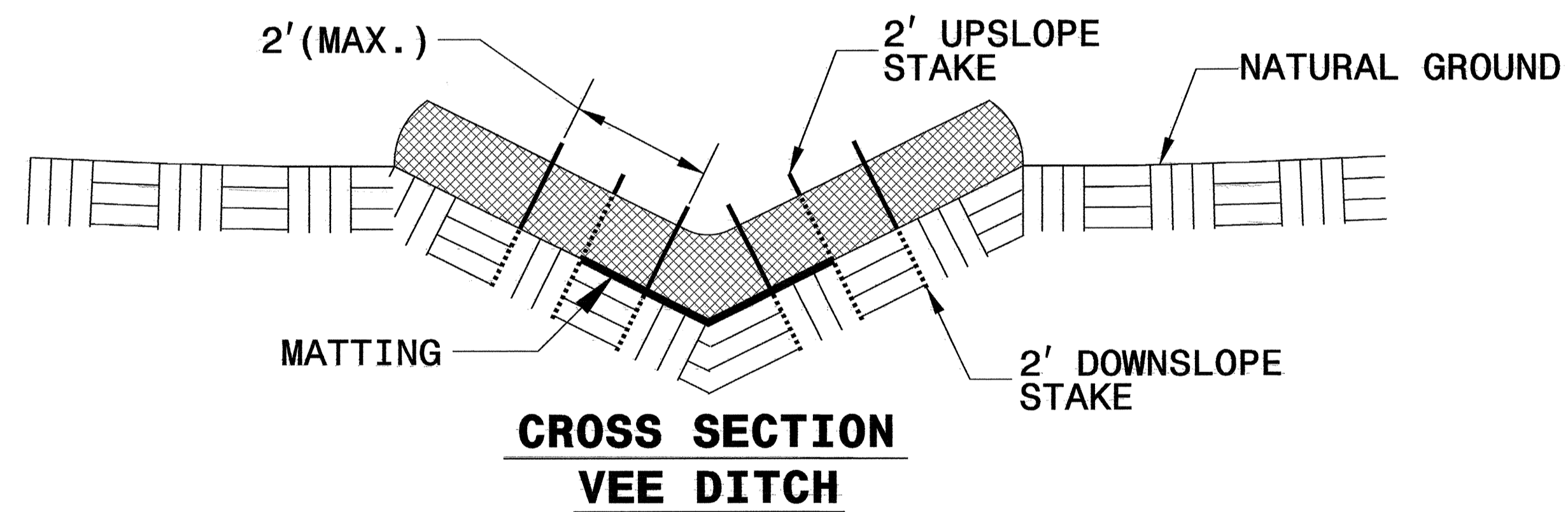
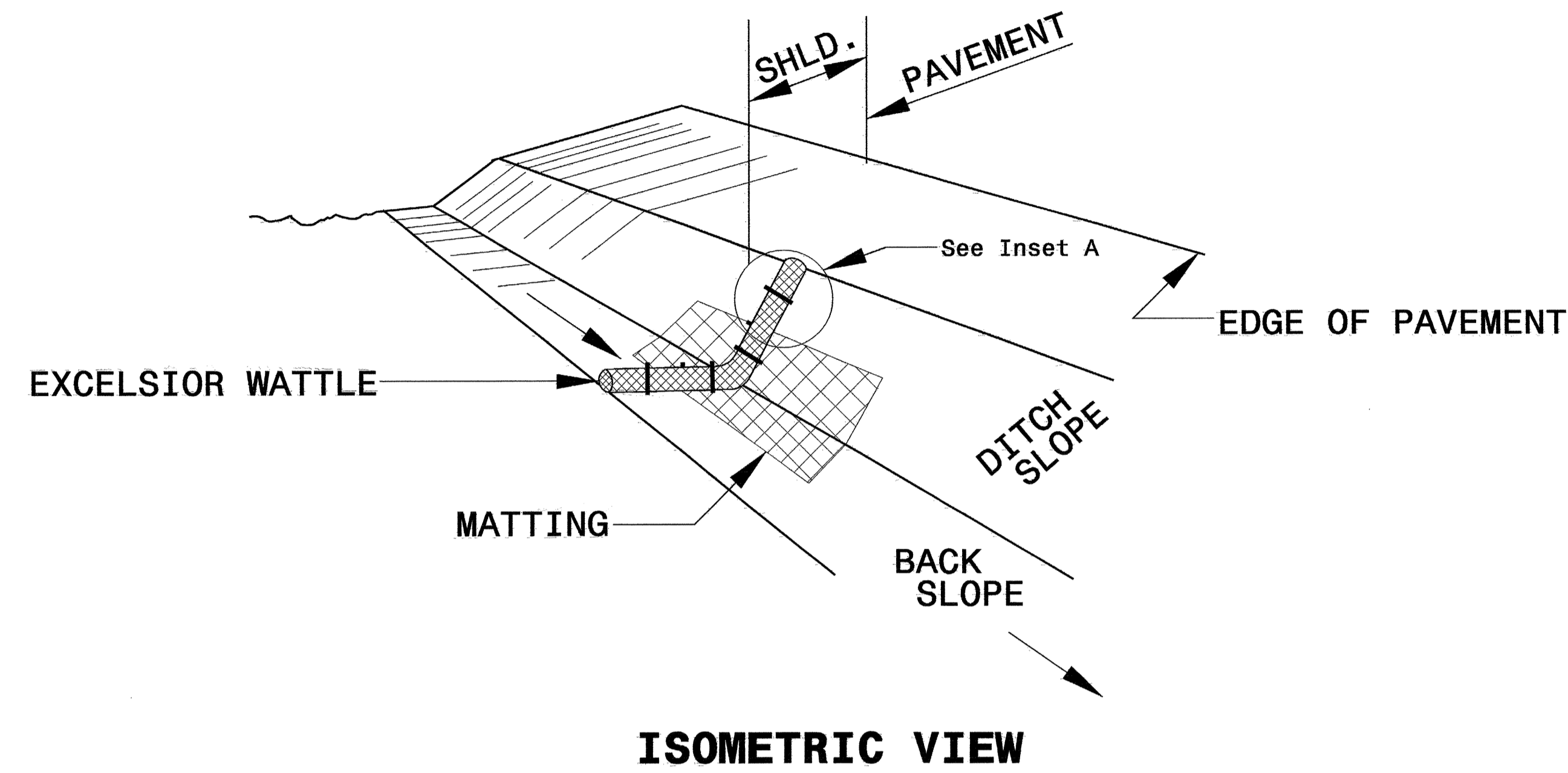
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

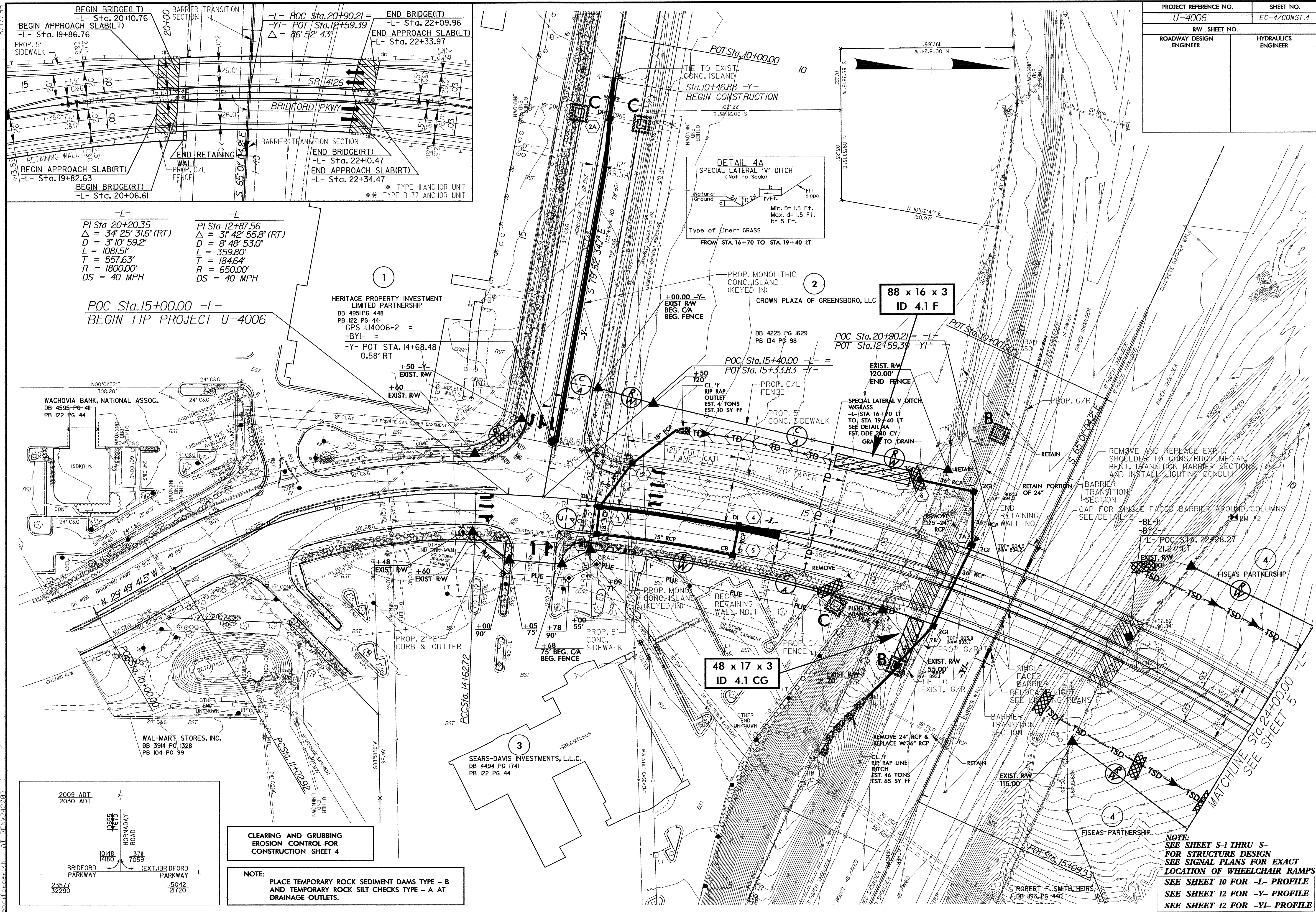
INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.







PROJECT REFERENCE NO. U-4006	SHEET NO. EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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**-L-**  
 PI Sta 20+20.35  
 $\Delta = 34^{\circ} 25' 31.6''$  (RT)  
 D = 310' 59.2"  
 L = 1081.5'  
 T = 557.63'  
 R = 1800.00'  
 DS = 40 MPH

**-L-**  
 PI Sta 12+87.56  
 $\Delta = 31^{\circ} 42' 55.8''$  (RT)  
 D = 8' 48' 53.0"  
 L = 359.80'  
 T = 184.64'  
 R = 650.00'  
 DS = 40 MPH

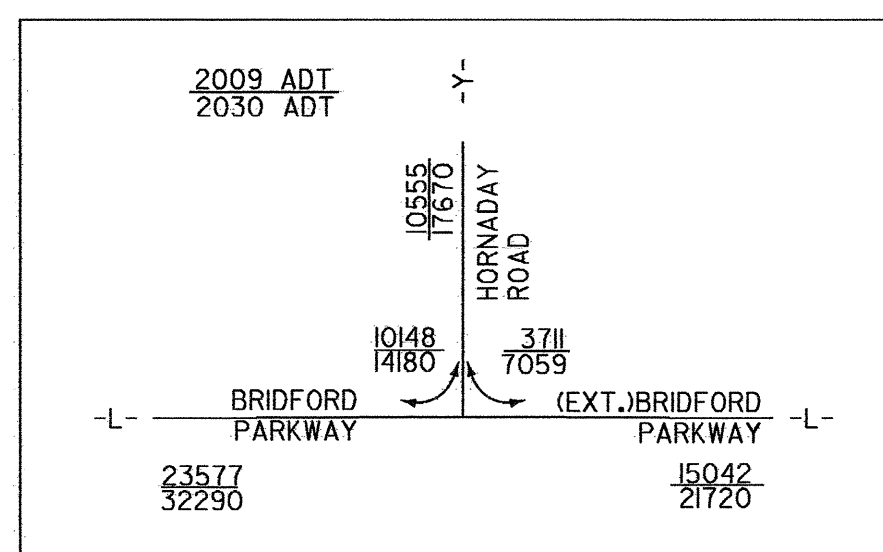
**POC Sta. 15+00.00 -L-**  
**BEGIN TIP PROJECT U-4006**

WACHOVIA BANK, NATIONAL ASSOC.  
 DB 4595 PG 41  
 PB 122 PG 44

HERITAGE PROPERTY INVESTMENT LIMITED PARTNERSHIP  
 DB 4951 PG 448  
 PB 122 PG 44  
 GPS U4006-2 =  
 -BYI- =  
 -Y- POT STA. 14+68.48  
 0.58' RT

88 x 16 x 3  
 ID 4.1 F

48 x 17 x 3  
 ID 4.1 CG



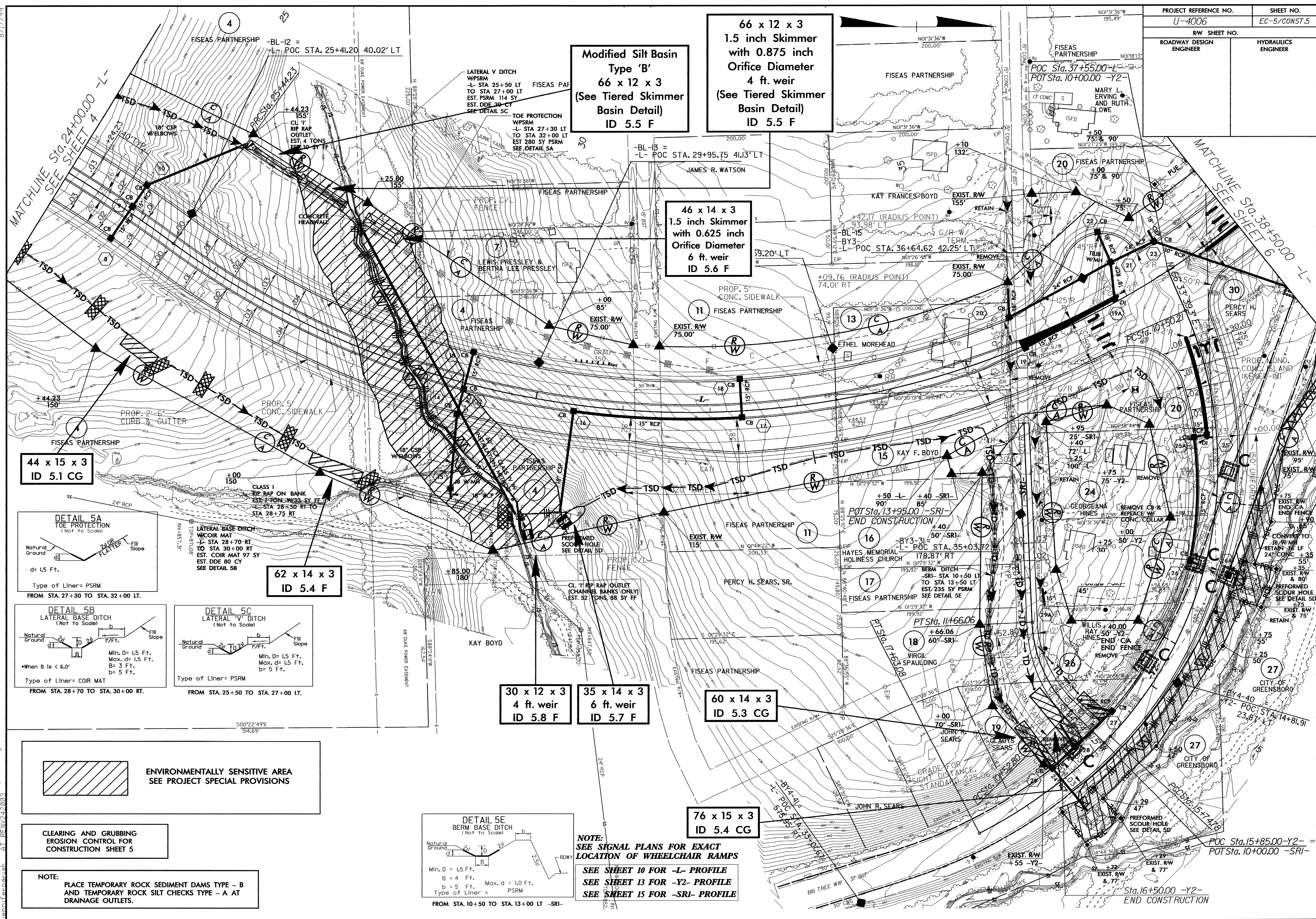
**CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4**

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

**NOTE:**  
 SEE SHEET S-1 THRU S-9 FOR STRUCTURE DESIGN  
 SEE SIGNAL PLANS FOR EXACT LOCATION OF WHEELCHAIR RAMPS  
 SEE SHEET 10 FOR -L- PROFILE  
 SEE SHEET 12 FOR -Y- PROFILE  
 SEE SHEET 12 FOR -YI- PROFILE

8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
U-4006		EC-5/CONST.5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



**Modified Silt Basin  
Type 'B'  
66 x 12 x 3  
(See Tiered Skimmer  
Basin Detail)  
ID 5.5 F**

**66 x 12 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 5.5 F**

**46 x 14 x 3  
1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
6 ft. weir  
ID 5.6 F**

**44 x 15 x 3  
ID 5.1 CG**

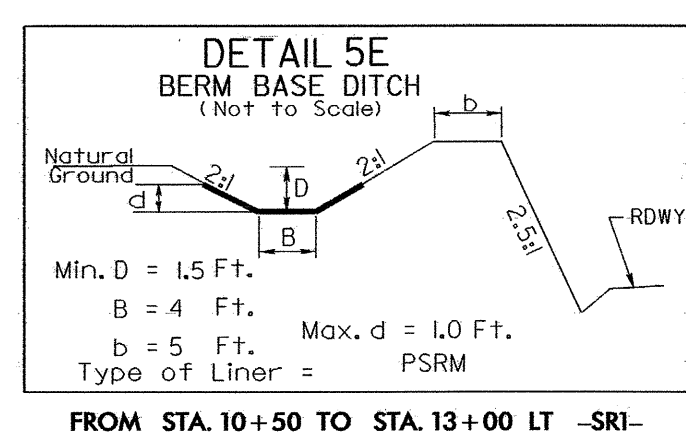
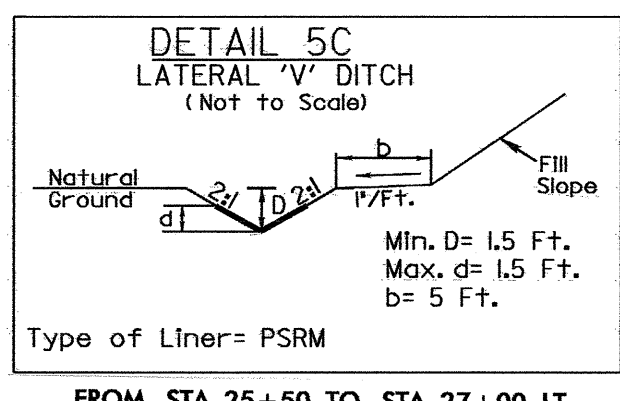
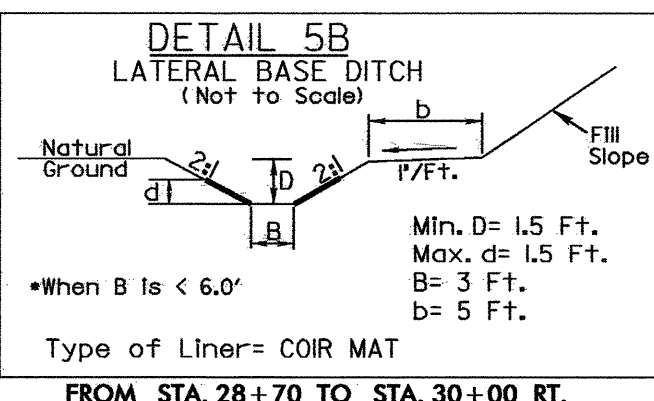
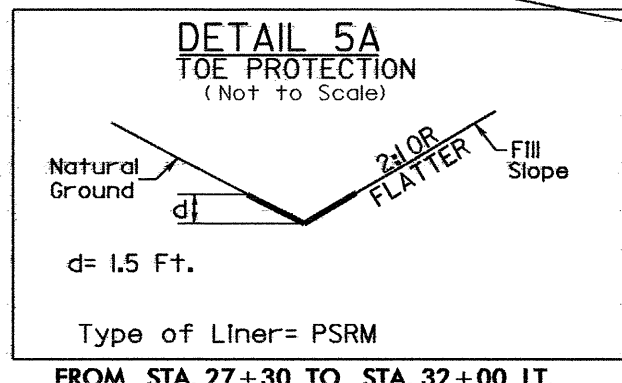
**62 x 14 x 3  
ID 5.4 F**

**30 x 12 x 3  
4 ft. weir  
ID 5.8 F**

**35 x 14 x 3  
6 ft. weir  
ID 5.7 F**

**60 x 14 x 3  
ID 5.3 CG**

**76 x 15 x 3  
ID 5.4 CG**



**ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS**

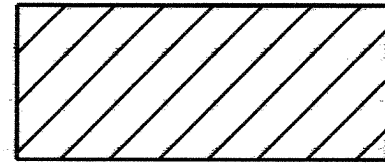
**CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5**

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

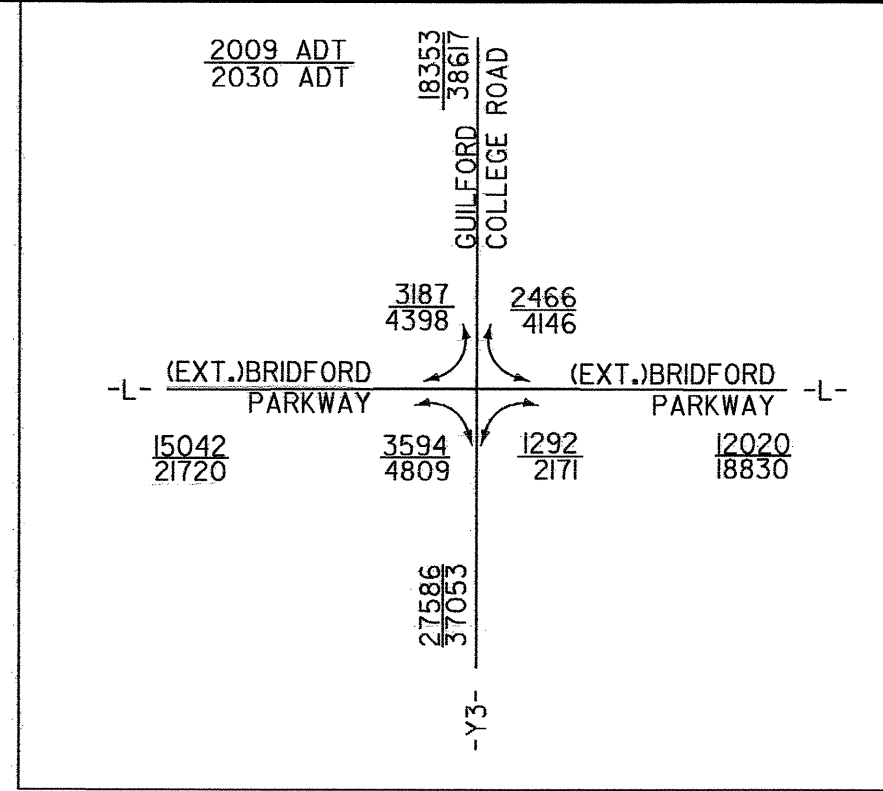
**NOTE:  
SEE SIGNAL PLANS FOR EXACT  
LOCATION OF WHEELCHAIR RAMPS  
SEE SHEET 10 FOR -L- PROFILE  
SEE SHEET 13 FOR -Y2- PROFILE  
SEE SHEET 15 FOR -SRI- PROFILE**

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Plot: 1428.dwg  
Scale: 1/8"=1'-0"  
Sheet: 5 of 5

8/17/99



ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

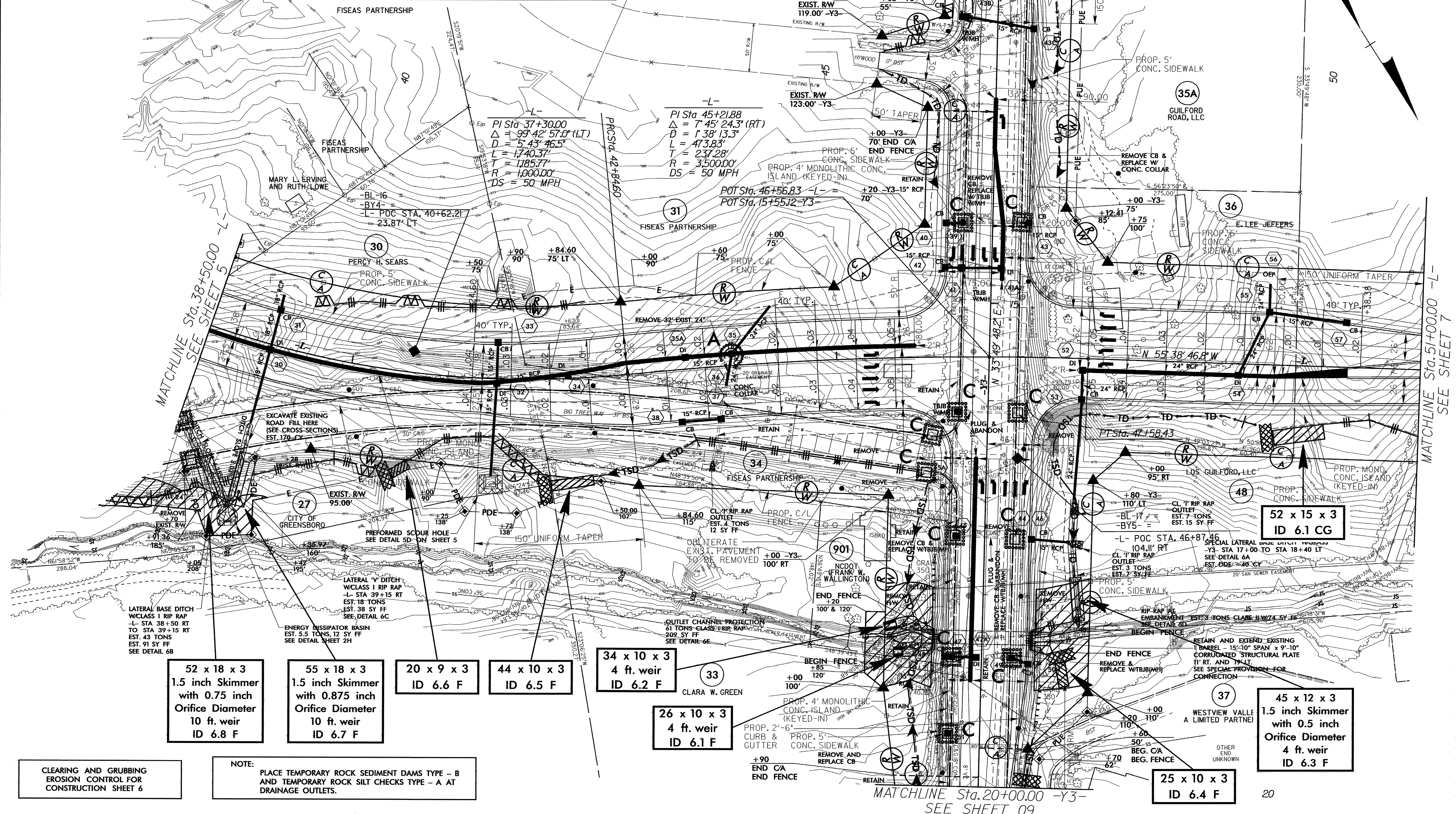


**-Y3-**  
PI Sta 10+68.12  
 $\Delta = 5' 12' 00.4''$  (LT)  
 $D = 3' 49' 11.0''$   
 $L = 136.14'$   
 $T = 68.12'$   
 $R = 1,500.00'$   
 $DS = 55$  MPH

PI Sta 21+91.27  
 $\Delta = 1' 24' 09.2''$  (LT)  
 $D = 0' 57' 17.7''$   
 $L = 146.88'$   
 $T = 73.44'$   
 $R = 6,000.00'$

-BY5-50 =  
-Y3- POT STA. 10+45.71  
31.75' LT

PROJECT REFERENCE NO. U-4006	SHEET NO. EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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.

MATCHLINE Sta. 20+00.00 -Y3-  
SEE SHEET 09

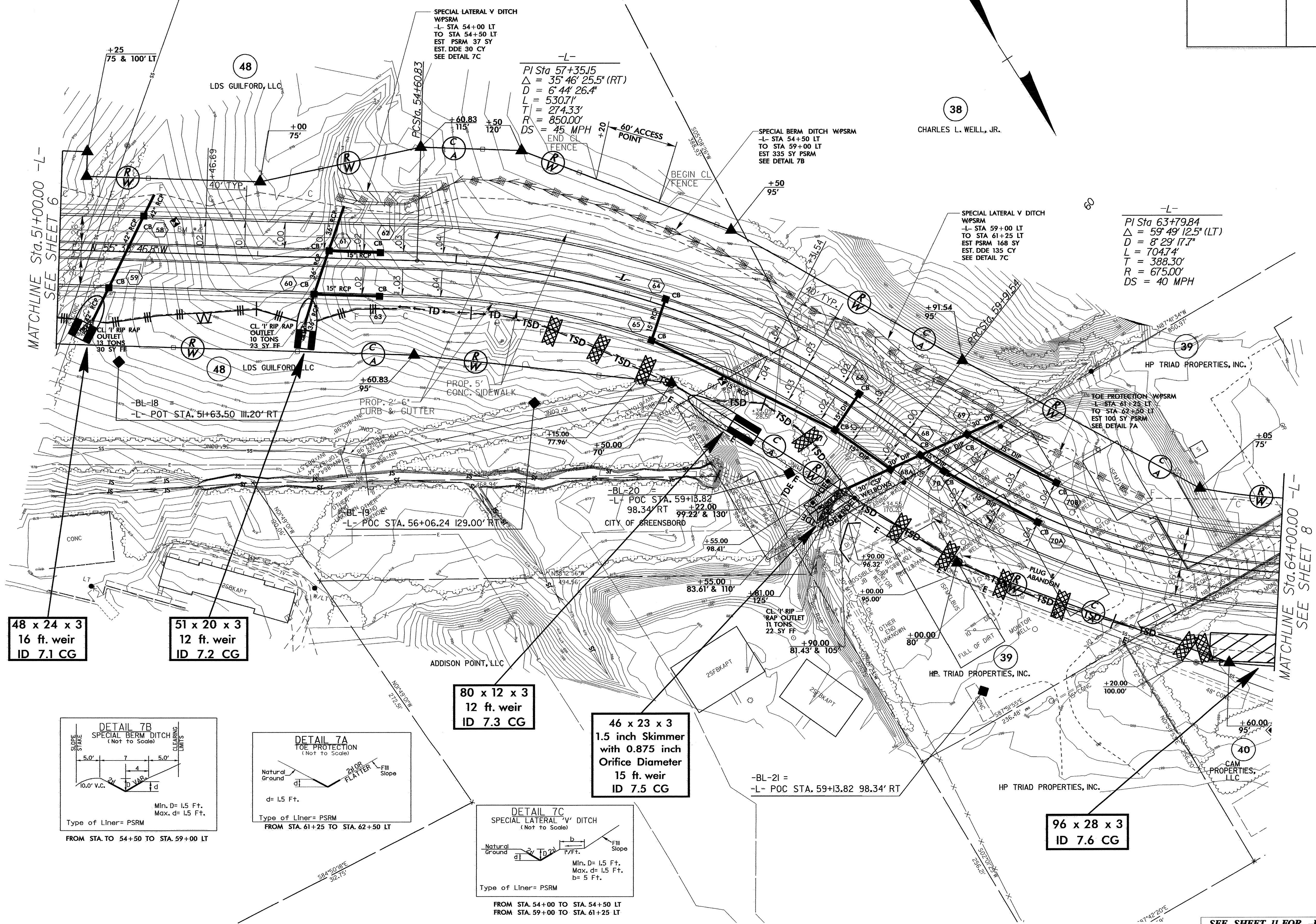
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LEAD:TERP@DPS.COM

8/17/99

**CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 7**

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

PROJECT REFERENCE NO. U-4006		SHEET NO. EC-7/CONST.7	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



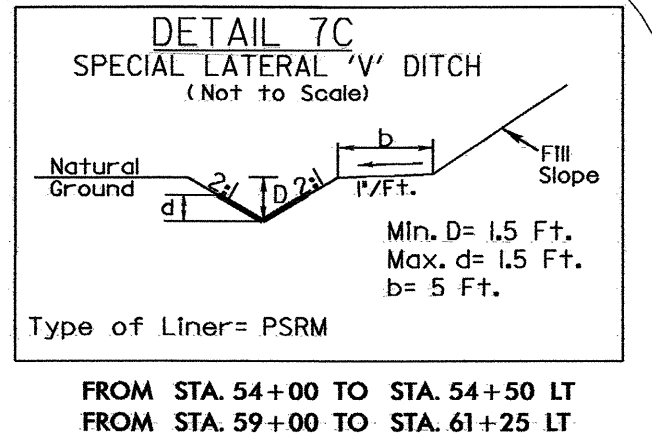
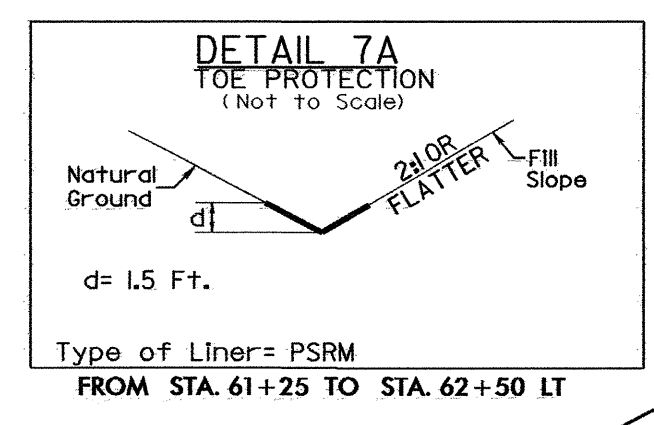
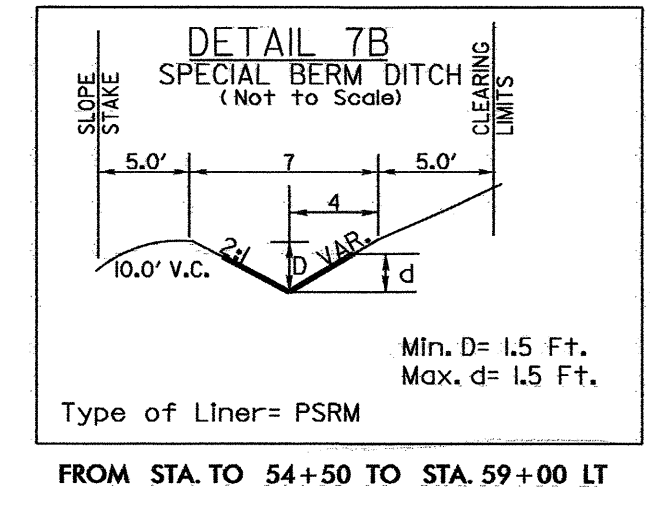
**48 x 24 x 3  
16 ft. weir  
ID 7.1 CG**

**51 x 20 x 3  
12 ft. weir  
ID 7.2 CG**

**80 x 12 x 3  
12 ft. weir  
ID 7.3 CG**

**46 x 23 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
15 ft. weir  
ID 7.5 CG**

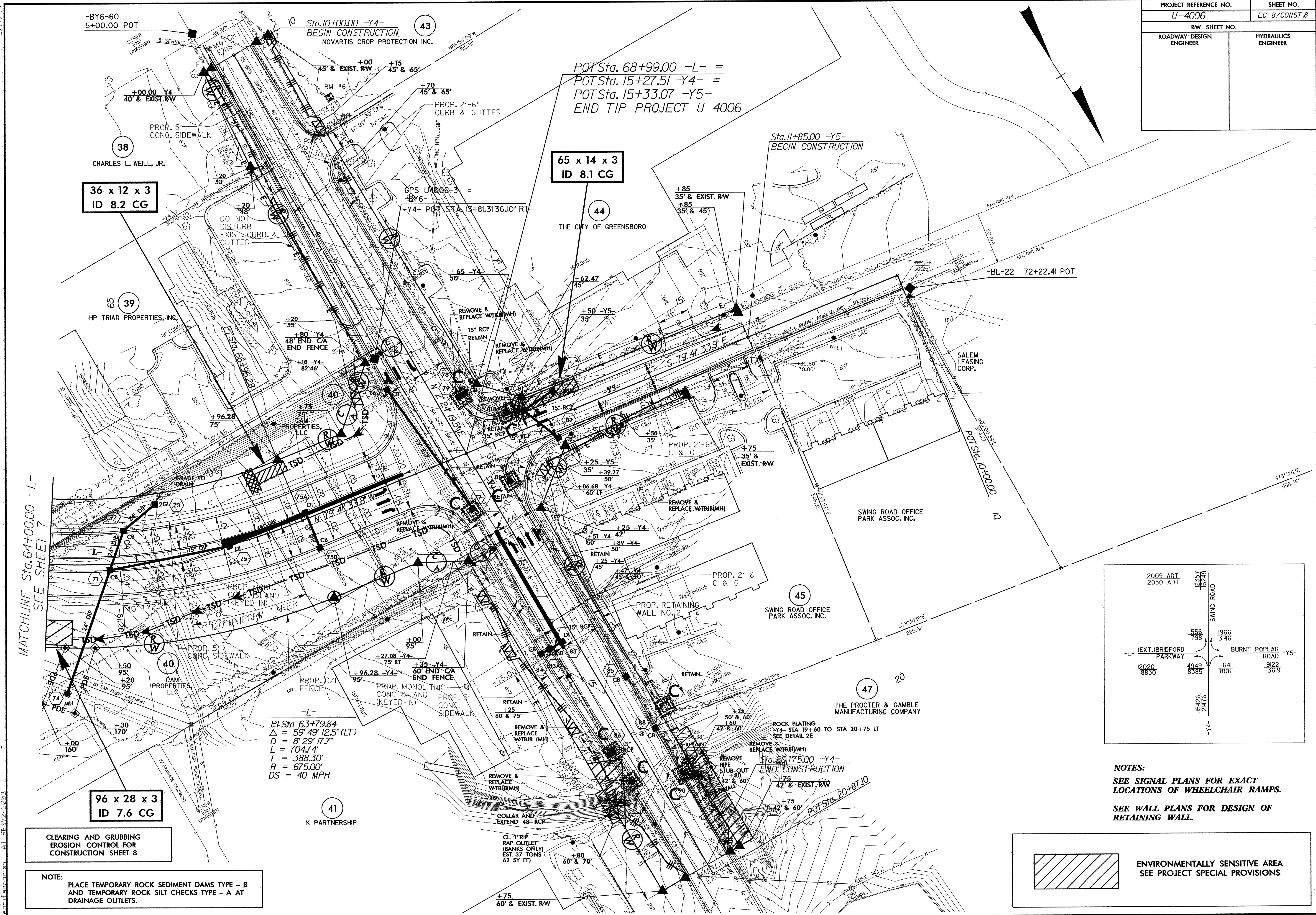
**96 x 28 x 3  
ID 7.6 CG**



SEE SHEET 11 FOR -L- PROFILE

05-MAY-2009 14:36 dgs\p\4006.ec.psh.07.dgn  
L:\mnt\p\ec\sh\7

PROJECT REFERENCE NO.	SHEET NO.
U-4006	EC-8/CONST.8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



36 x 12 x 3  
ID 8.2 CG

65 x 14 x 3  
ID 8.1 CG

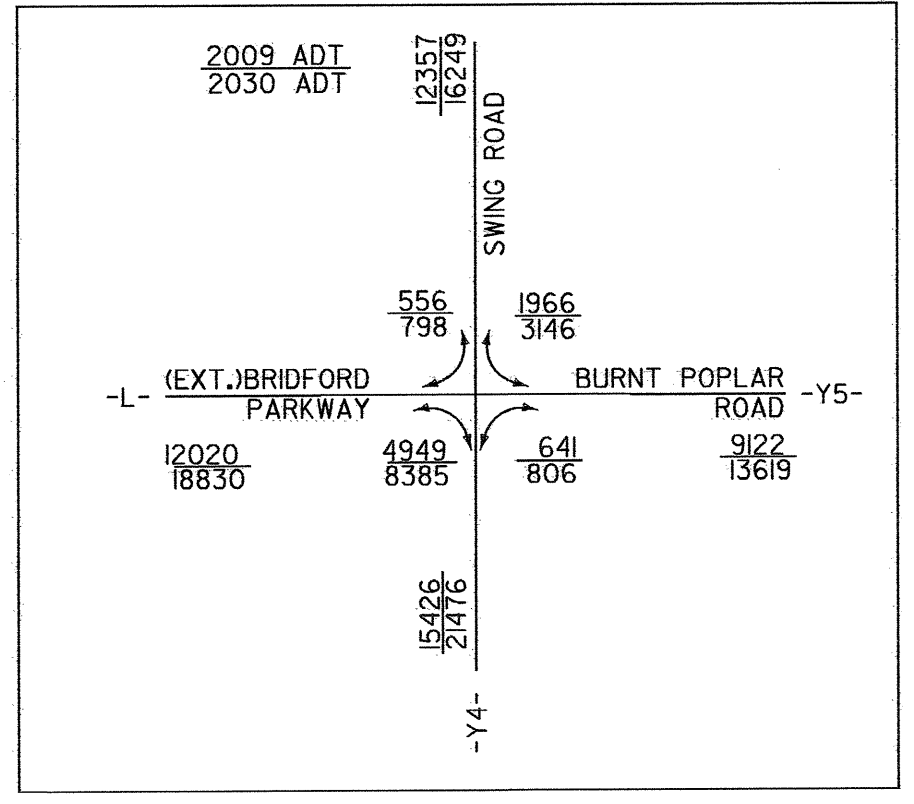
96 x 28 x 3  
ID 7.6 CG

-L-  
PI Sta 63+79.84  
Δ = 59° 49' 12.5" (LT)  
D = 8' 29" 17.7"  
L = 704.74'  
T = 388.30'  
R = 675.00'  
DS = 40 MPH

MATCHLINE Sta. 64+00.00 -L-  
SEE SHEET 7

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.



NOTES:  
SEE SIGNAL PLANS FOR EXACT  
LOCATIONS OF WHEELCHAIR RAMPS.  
SEE WALL PLANS FOR DESIGN OF  
RETAINING WALL.

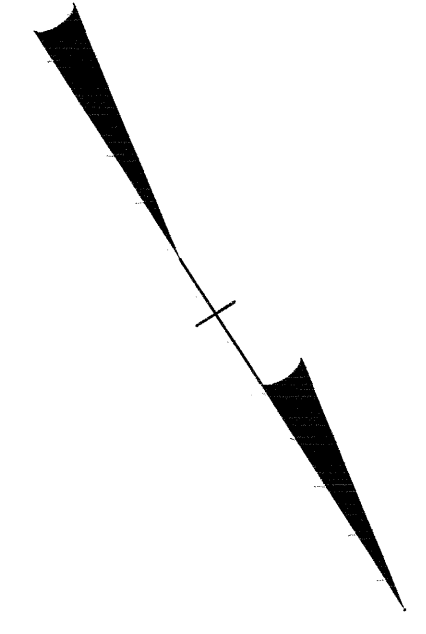
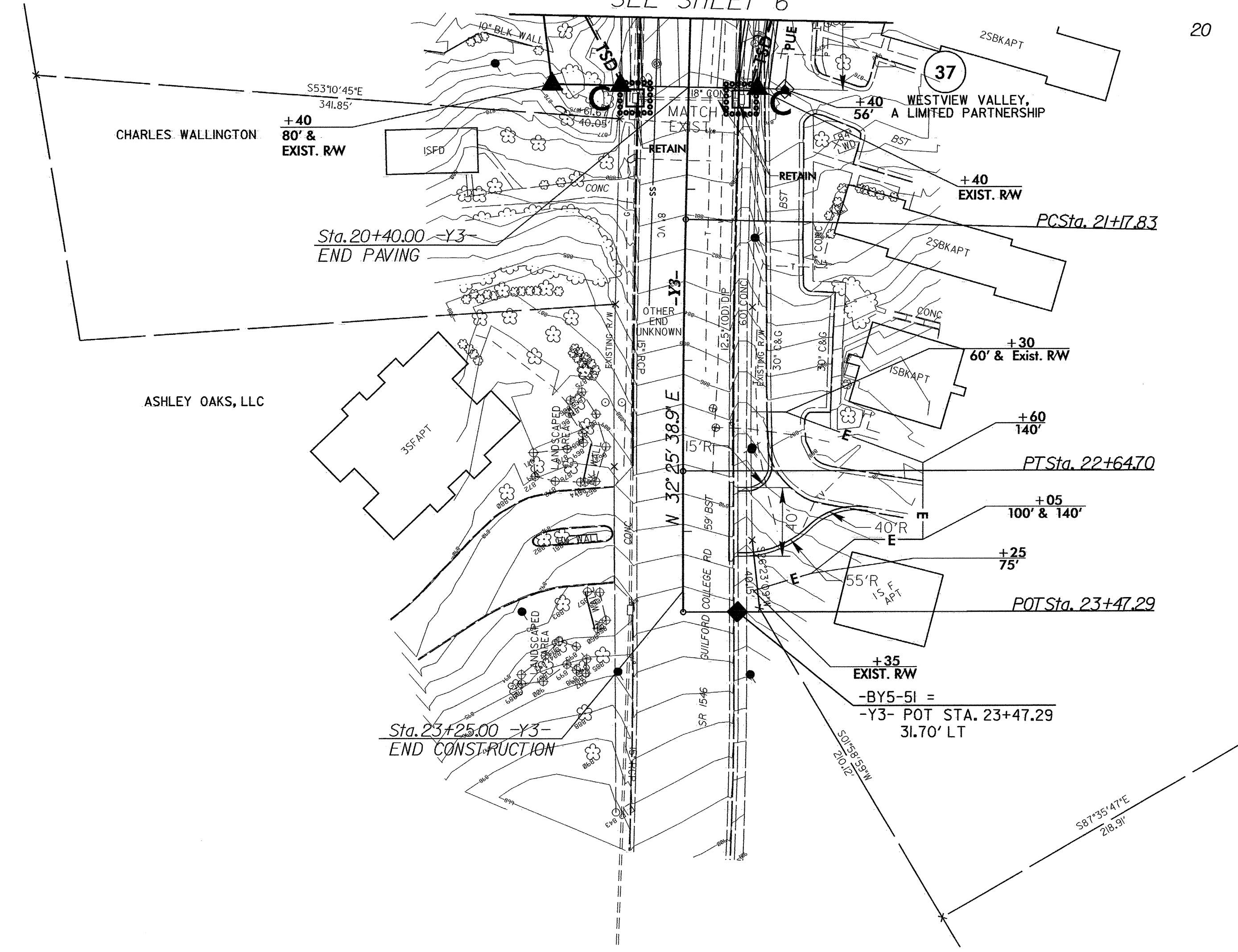
 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-4006	EC-9/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE Sta.20+00.00 -Y3-  
SEE SHEET 6



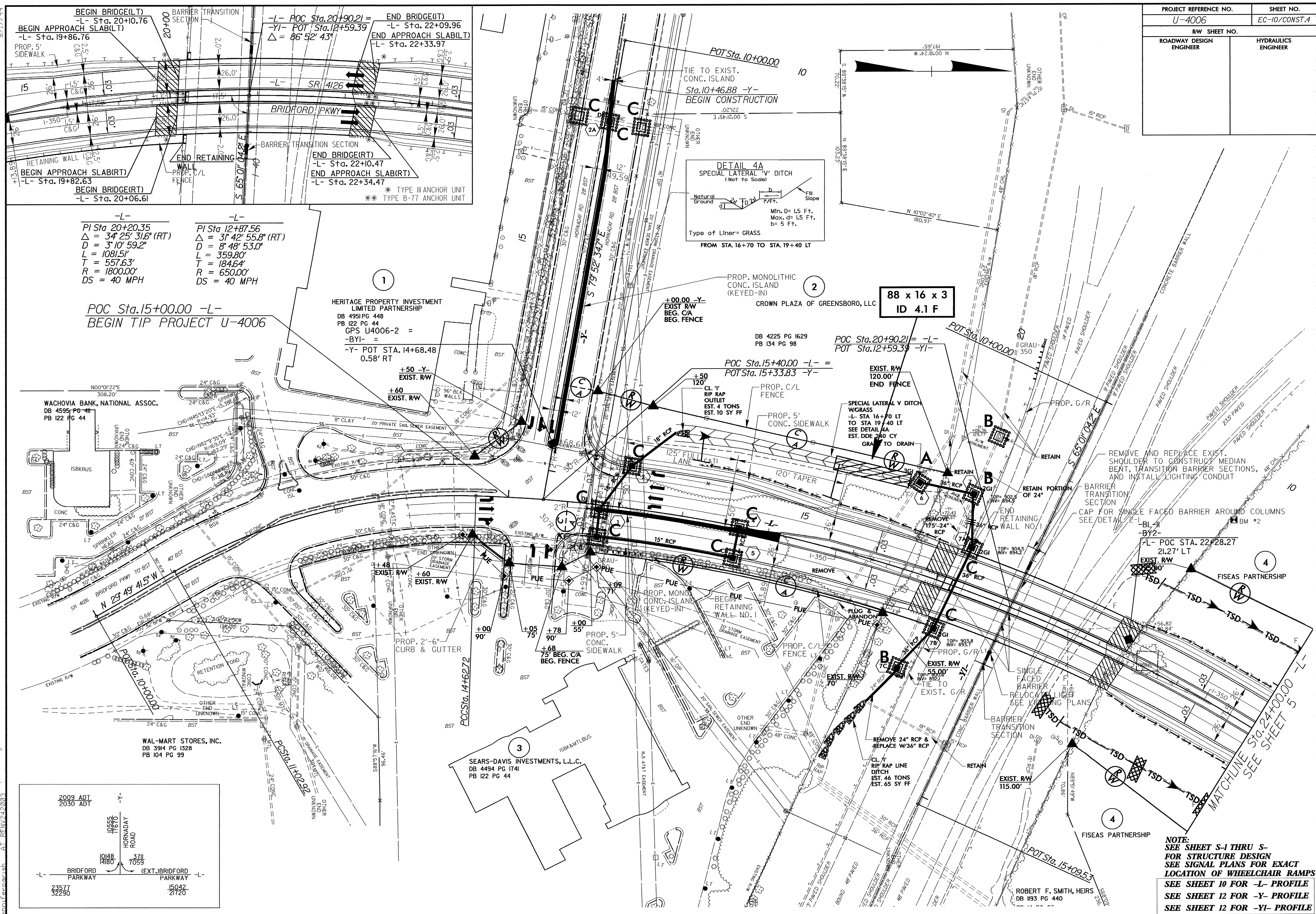
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 9

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

SEE SHEET 13 FOR -Y3- PROFILE

05-MAY-2009 12:37  
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11:40:24 AM 2/2/2009

PROJECT REFERENCE NO. U-4006	SHEET NO. EC-10/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-L-  
 PI Sta 20+20.35  
 $\Delta = 34' 25" 31.6'$  (RT)  
 $D = 3' 10" 59.2"$   
 $L = 1081.51'$   
 $T = 557.63'$   
 $R = 1800.00'$   
 $DS = 40$  MPH

-L-  
 PI Sta 12+87.56  
 $\Delta = 31' 42" 55.8'$  (RT)  
 $D = 8' 48" 53.0"$   
 $L = 359.80'$   
 $T = 184.64'$   
 $R = 650.00'$   
 $DS = 40$  MPH

POC Sta. 15+00.00 -L-  
 BEGIN TIP PROJECT U-4006

HERITAGE PROPERTY INVESTMENT LIMITED PARTNERSHIP  
 DB 4951 PG 448  
 PB I22 PG 44  
 GPS U4006-2 =  
 -BYI- =  
 -Y- POT STA. 14+68.48  
 0.58' RT

88 x 16 x 3  
 ID 4.1 F

REMOVE AND REPLACE EXIST. SHOULDER TO CONSTRUCT MEDIAN BENT, TRANSITION BARRIER SECTIONS, AND INSTALL LIGHTING CONDUIT

BARRIER TRANSITION SECTION CAP FOR SINGLE FACED BARRIER AROUND COLUMNS SEE DETAIL 2-1

-BL-11  
 -BY2-  
 -L- POC STA. 22+28.27  
 21.27' LT  
 EXIST. RW

FISEAS PARTNERSHIP

SINGLE FACED BARRIER RELOCATION SEE LIGHTING PLANS

BARRIER TRANSITION SECTION

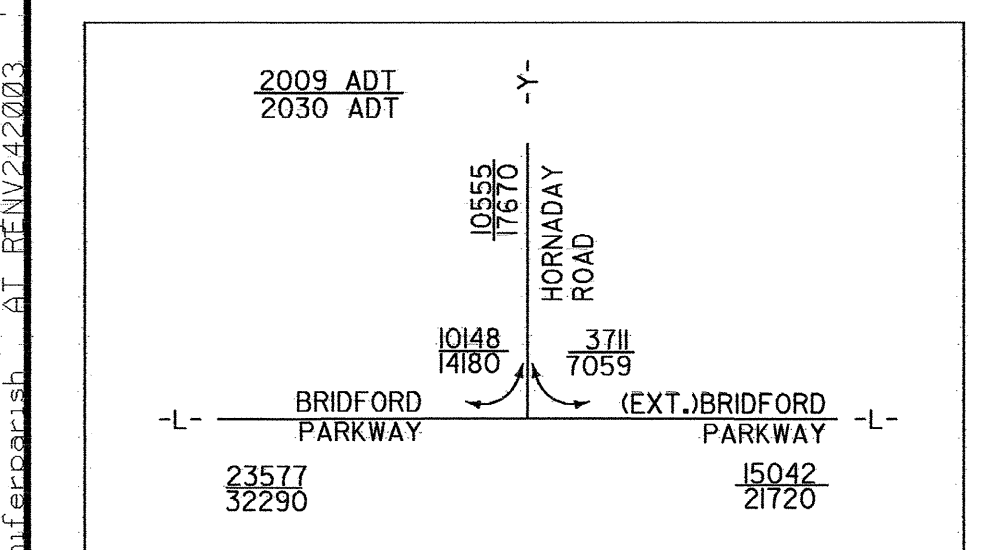
REMOVE 24" RCP & REPLACE W/36" RCP

CL 1" RIP RAP LINE DITCH EST. 46 TONS EST. 65 SY FF

EXIST. RW 115.00'

MATCHLINE SEE SHEET 5

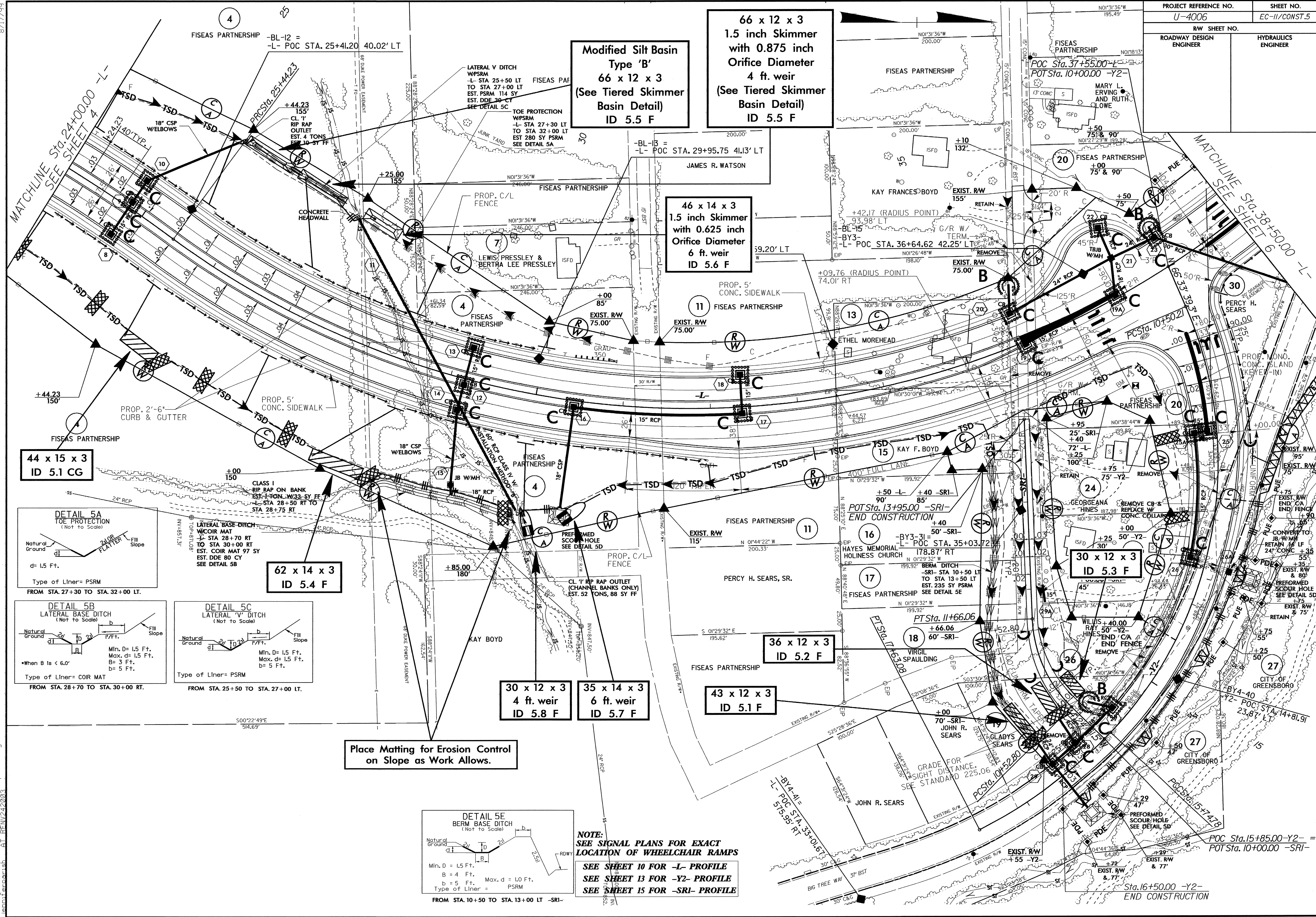
NOTE:  
 SEE SHEET S-1 THRU S- FOR STRUCTURE DESIGN  
 SEE SIGNAL PLANS FOR EXACT LOCATION OF WHEELCHAIR RAMPS  
 SEE SHEET 10 FOR -L- PROFILE  
 SEE SHEET 12 FOR -Y- PROFILE  
 SEE SHEET 12 FOR -BY1- PROFILE



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 8/17/99

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-4006	EC-II/CONST.5
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



**44 x 15 x 3**  
ID 5.1 CG

**Modified Silt Basin**  
Type 'B'  
66 x 12 x 3  
(See Tiered Skimmer  
Basin Detail)  
ID 5.5 F

**66 x 12 x 3**  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 5.5 F

**46 x 14 x 3**  
1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
6 ft. weir  
ID 5.6 F

**62 x 14 x 3**  
ID 5.4 F

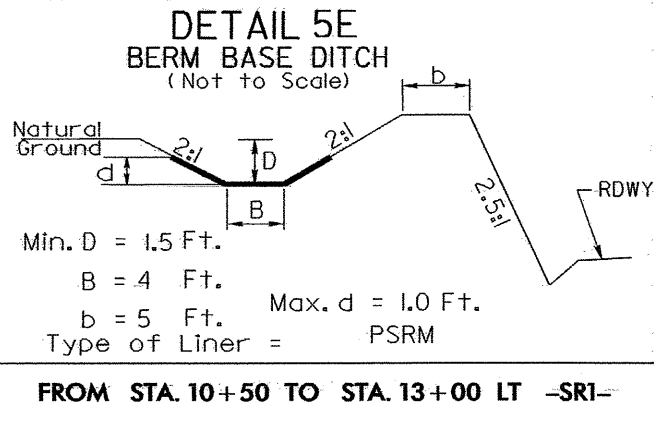
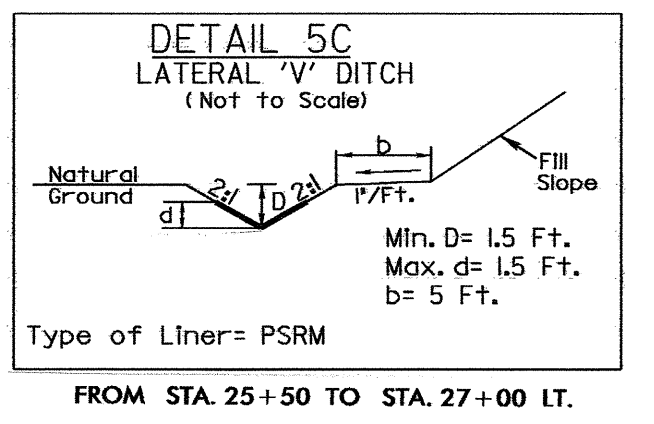
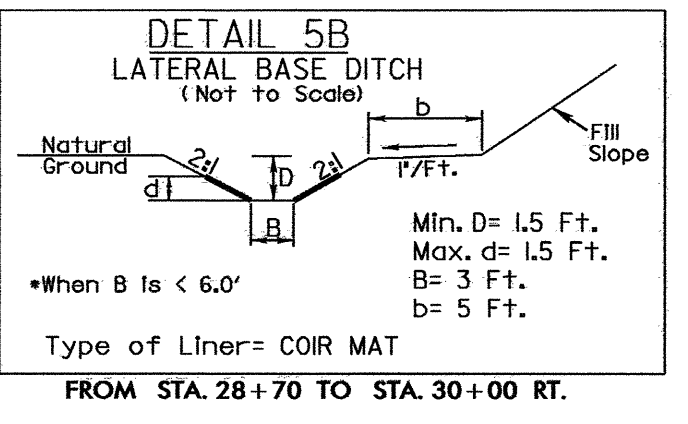
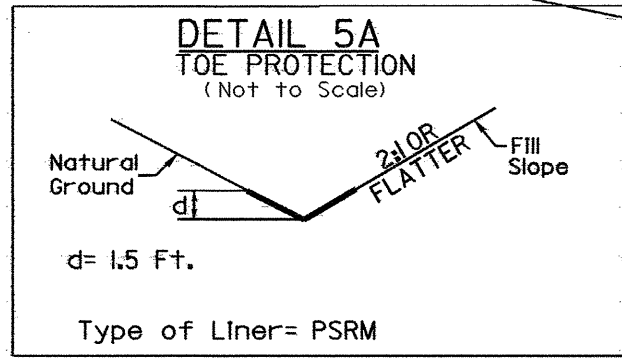
**30 x 12 x 3**  
4 ft. weir  
ID 5.8 F

**35 x 14 x 3**  
6 ft. weir  
ID 5.7 F

**43 x 12 x 3**  
ID 5.1 F

**36 x 12 x 3**  
ID 5.2 F

**30 x 12 x 3**  
ID 5.3 F



Place Matting for Erosion Control  
on Slope as Work Allows.

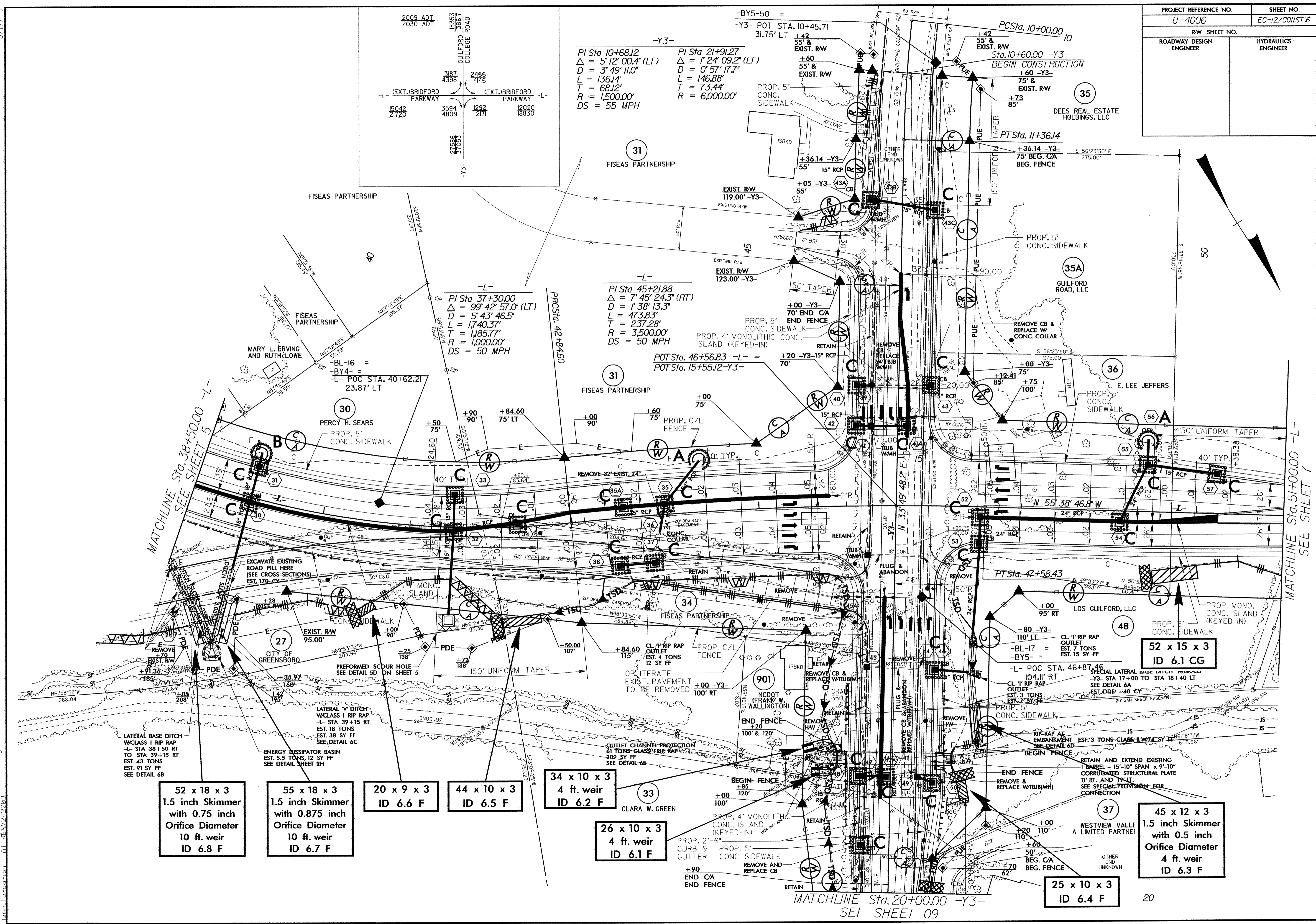
**NOTE:**  
SEE SIGNAL PLANS FOR EXACT  
LOCATION OF WHEELCHAIR RAMPS  
SEE SHEET 10 FOR -L- PROFILE  
SEE SHEET 13 FOR -Y2- PROFILE  
SEE SHEET 15 FOR -SRI- PROFILE

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PROJECT REFERENCE NO.		SHEET NO.	
U-4006		EC-12/CONST.6	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



MATCHLINE Sta. 38+50.00 -L-  
SEE SHEET 5

MATCHLINE Sta. 51+00.00 -L-  
SEE SHEET 7

52 x 18 x 3  
1.5 inch Skimmer  
with 0.75 inch  
Orifice Diameter  
10 ft. weir  
ID 6.8 F

55 x 18 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
10 ft. weir  
ID 6.7 F

20 x 9 x 3  
ID 6.6 F

44 x 10 x 3  
ID 6.5 F

34 x 10 x 3  
4 ft. weir  
ID 6.2 F

26 x 10 x 3  
4 ft. weir  
ID 6.1 F

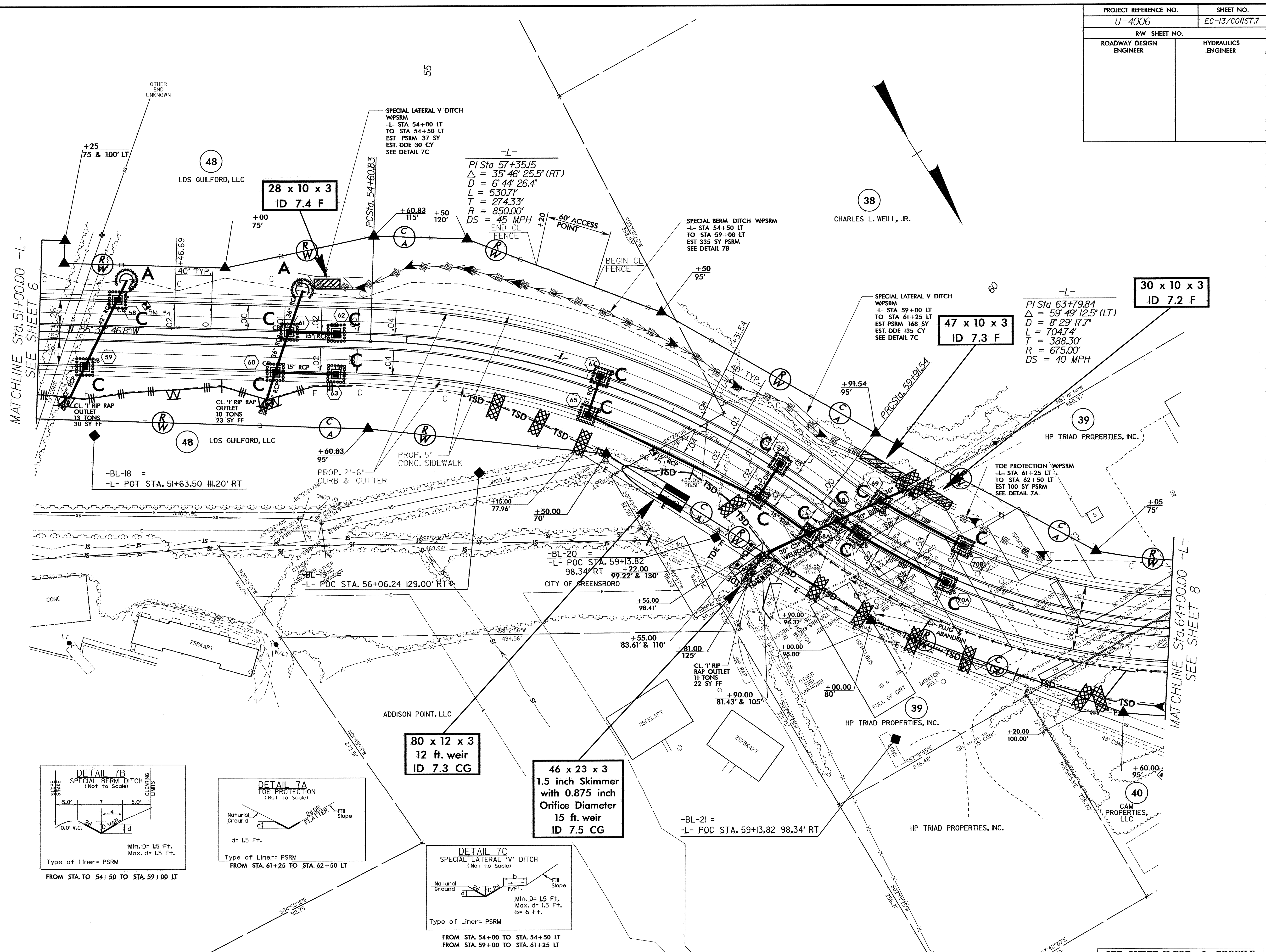
45 x 12 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
4 ft. weir  
ID 6.3 F

25 x 10 x 3  
ID 6.4 F

MATCHLINE Sta. 20+00.00 -Y3-  
SEE SHEET 09

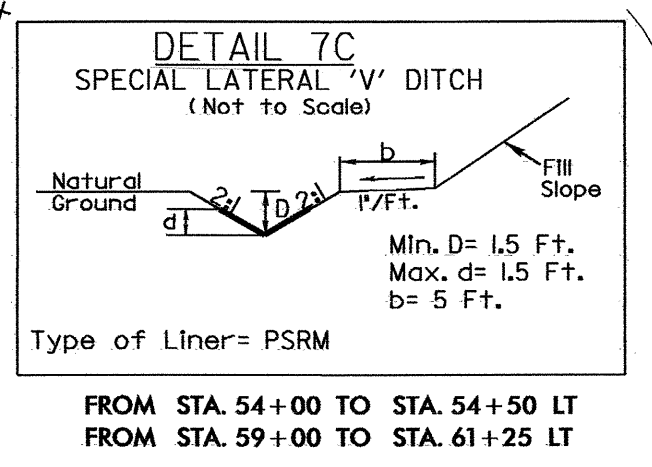
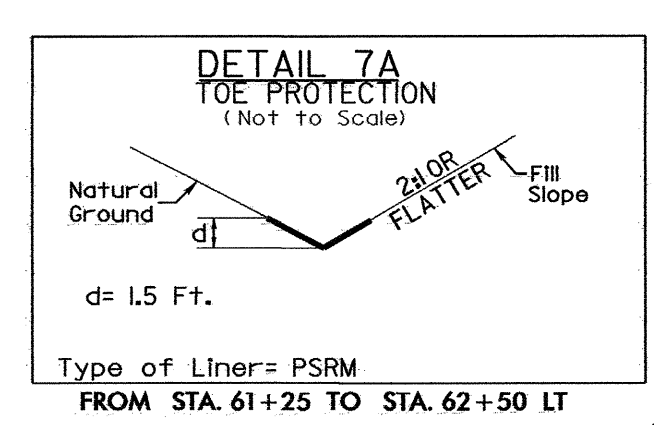
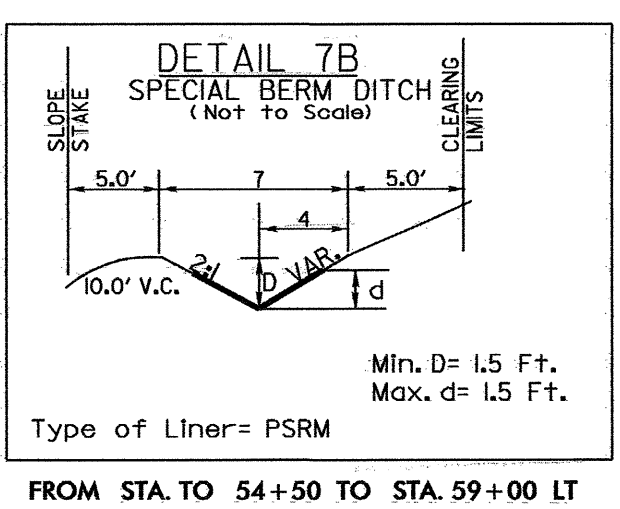
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PROJECT REFERENCE NO. U-4006	SHEET NO. EC-13/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-L-  
 PI Sta 57+35.15  
 $\Delta = 35^{\circ}46'25.5''$  (RT)  
 $D = 6^{\circ}44'26.4''$   
 $L = 530.71'$   
 $T = 274.33'$   
 $R = 850.00'$   
 $DS = 45$  MPH  
 END CL FENCE

-L-  
 PI Sta 63+79.84  
 $\Delta = 59^{\circ}49'12.5''$  (LT)  
 $D = 8^{\circ}29'17.7''$   
 $L = 704.74'$   
 $T = 388.30'$   
 $R = 675.00'$   
 $DS = 40$  MPH



**28 x 10 x 3**  
 ID 7.4 F

**47 x 10 x 3**  
 ID 7.3 F

**30 x 10 x 3**  
 ID 7.2 F

**80 x 12 x 3**  
 12 ft. weir  
 ID 7.3 CG

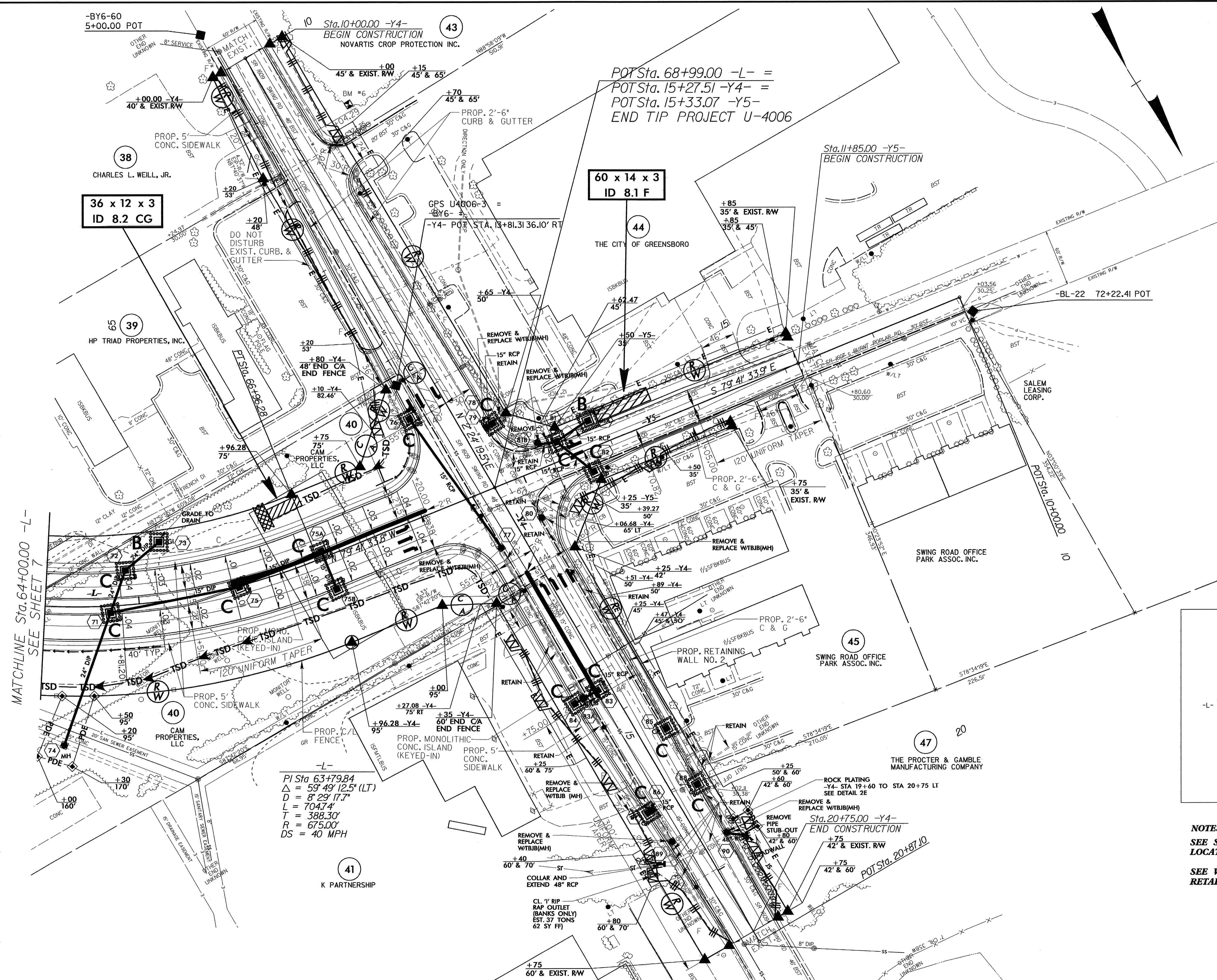
**46 x 23 x 3**  
 1.5 inch Skimmer  
 with 0.875 inch  
 Orifice Diameter  
 15 ft. weir  
 ID 7.5 CG

SEE SHEET 11 FOR -L- PROFILE

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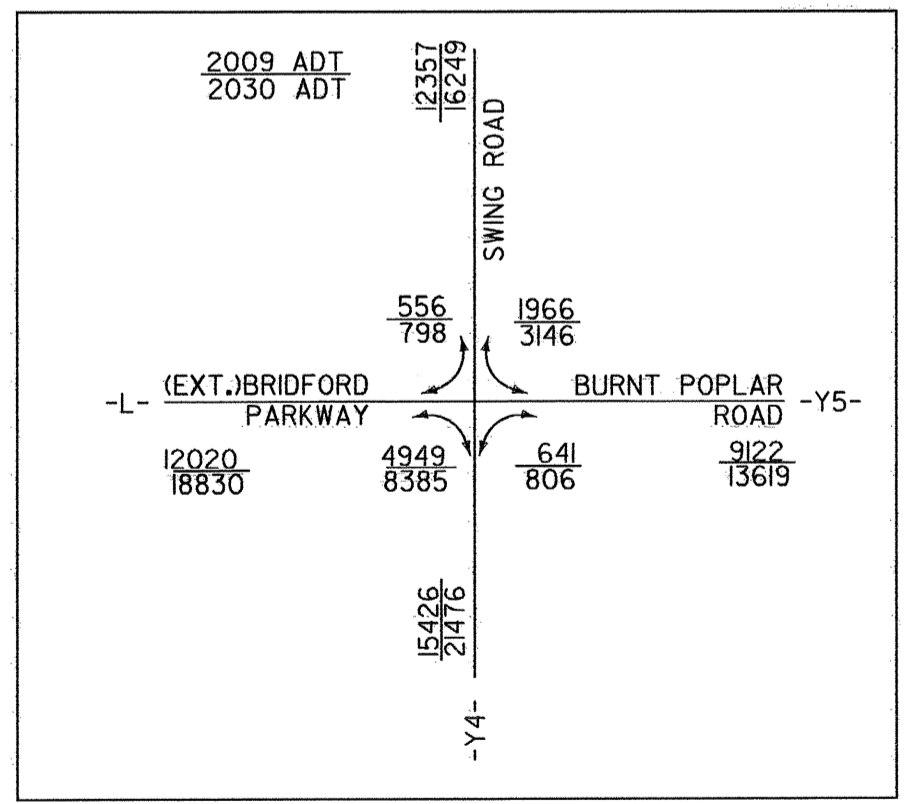
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PROJECT REFERENCE NO.	SHEET NO.
U-4006	EC-14/CONST.8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE Sta. 64+00.00 -L-  
SEE SHEET 7

PI Sta 63+79.84  
 $\Delta = 59^\circ 49' 12.5''$  (LT)  
 $D = 8' 29'' 17.7''$   
 $L = 704.74'$   
 $T = 388.30'$   
 $R = 675.00'$   
 $DS = 40$  MPH



**NOTES:**  
 SEE SIGNAL PLANS FOR EXACT LOCATIONS OF WHEELCHAIR RAMPS.  
 SEE WALL PLANS FOR DESIGN OF RETAINING WALL.

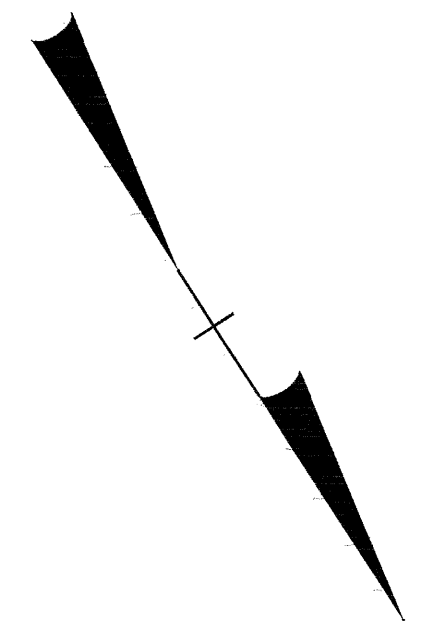
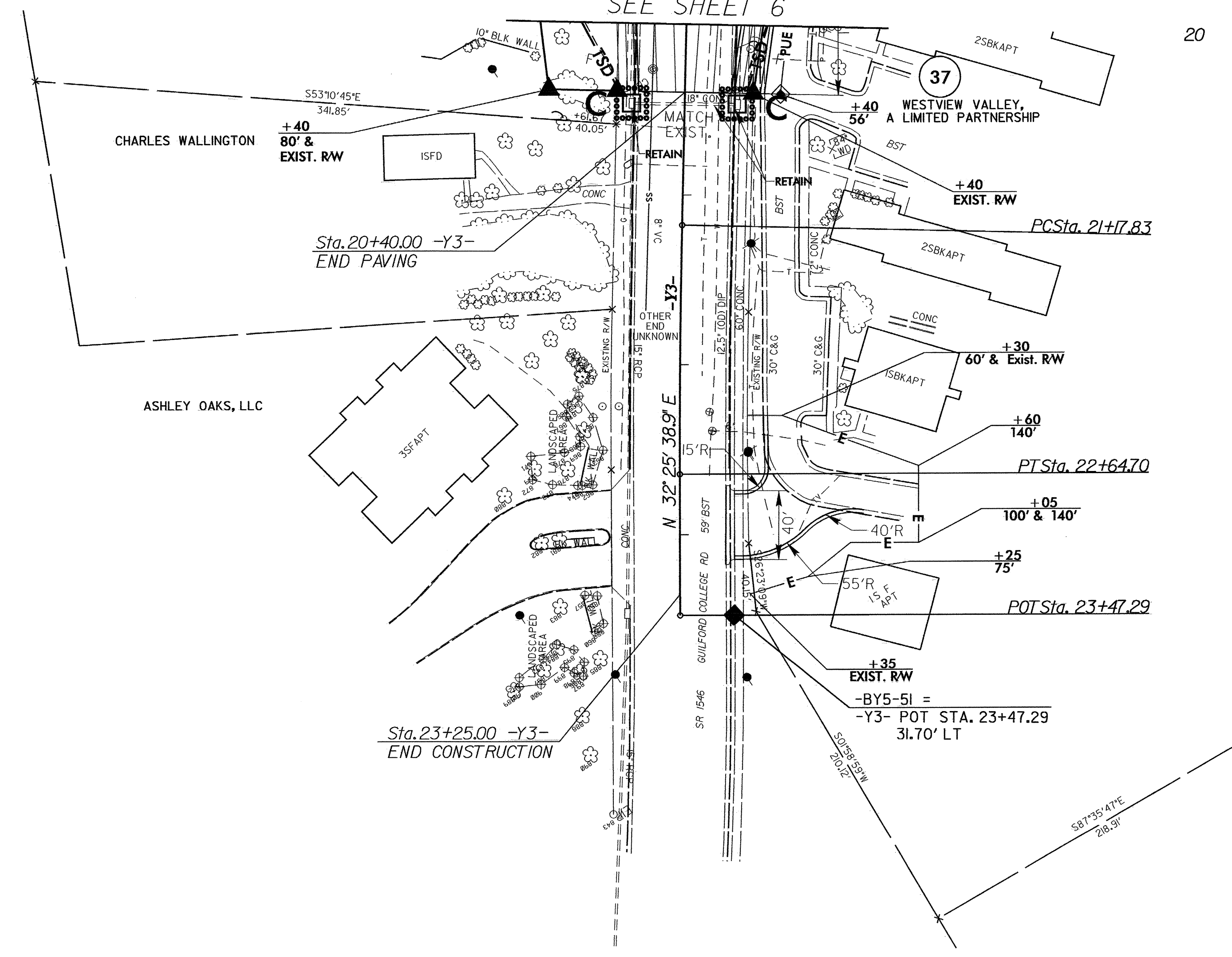
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PROJECT REFERENCE NO.		SHEET NO.	
U-4006		EC-15/CONST.9	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

MATCHLINE Sta.20+00.00 -Y3-  
SEE SHEET 6

20



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SEE SHEET 13 FOR -Y3- PROFILE