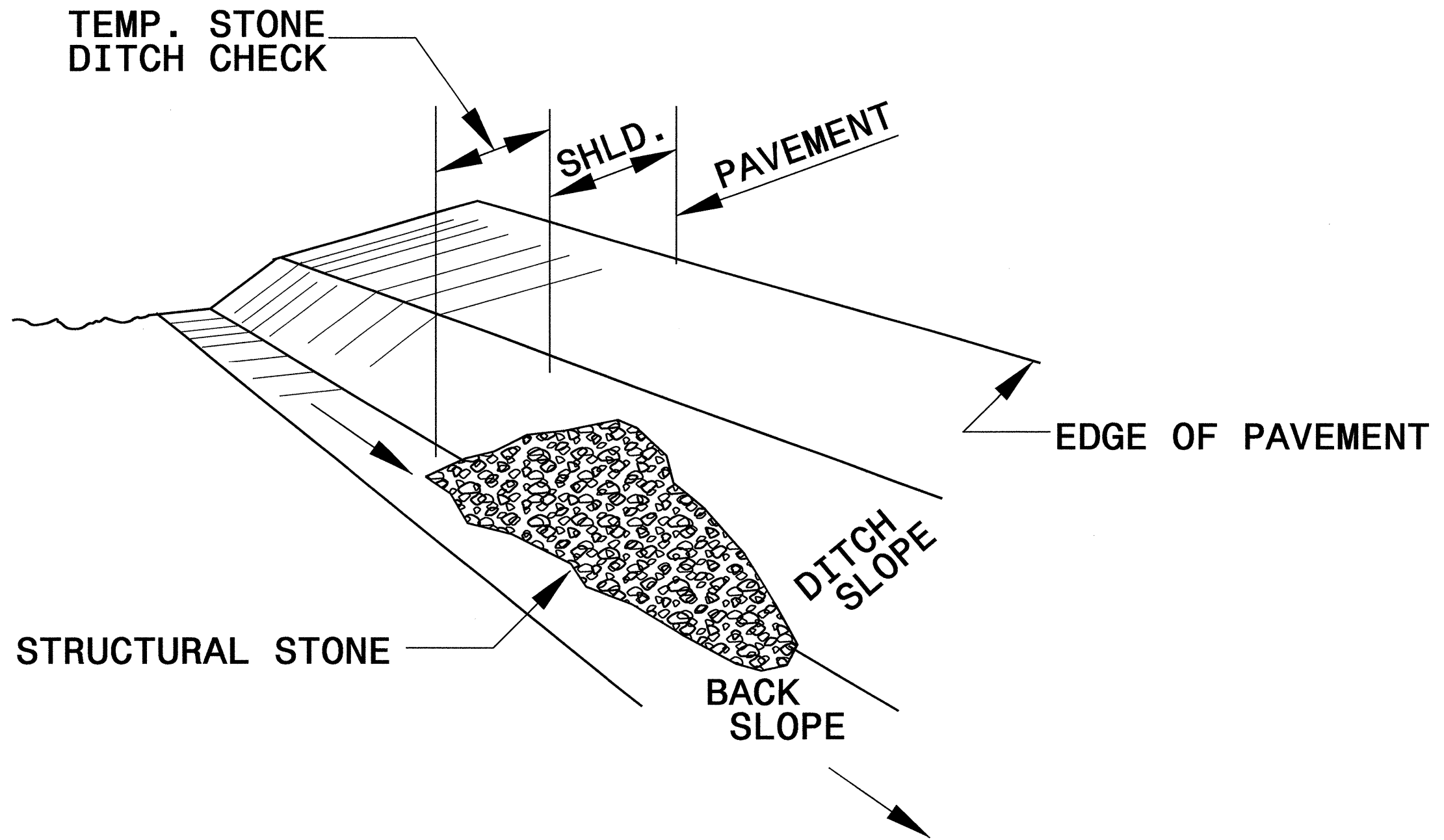


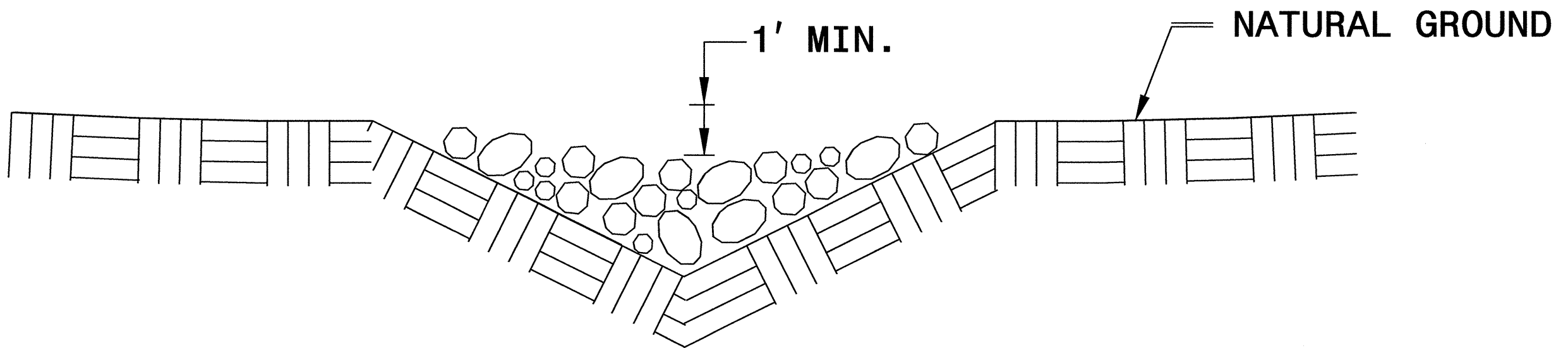
PROJECT REFERENCE NO. <i>B-3187</i>	SHEET NO. <i>EC-2</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

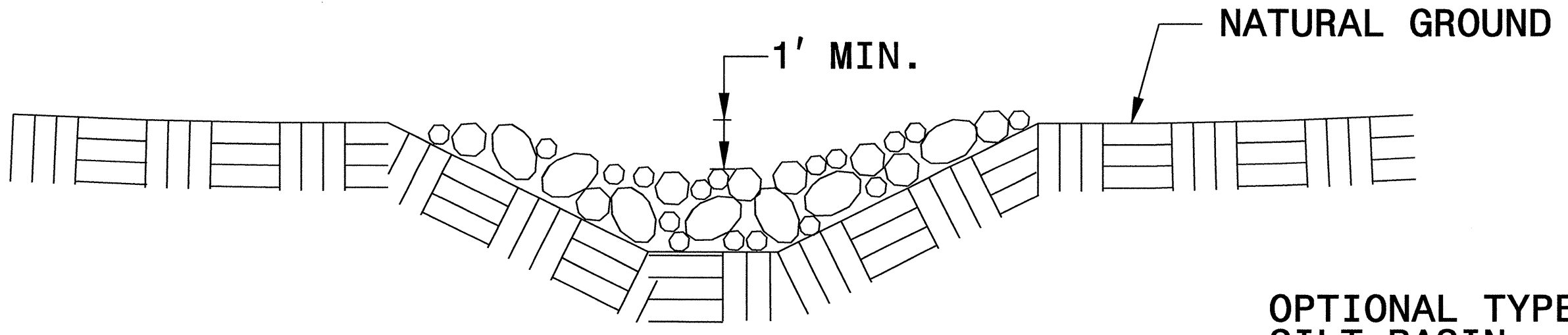


ISOMETRIC VIEW

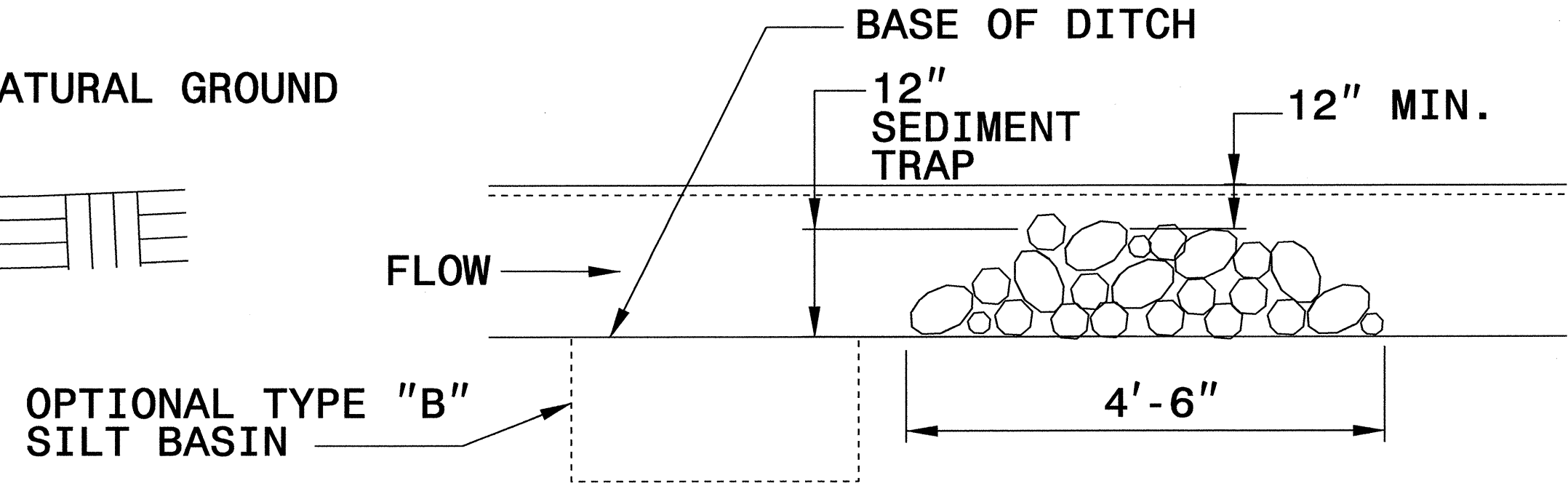
NOTES:
 USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.
 THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



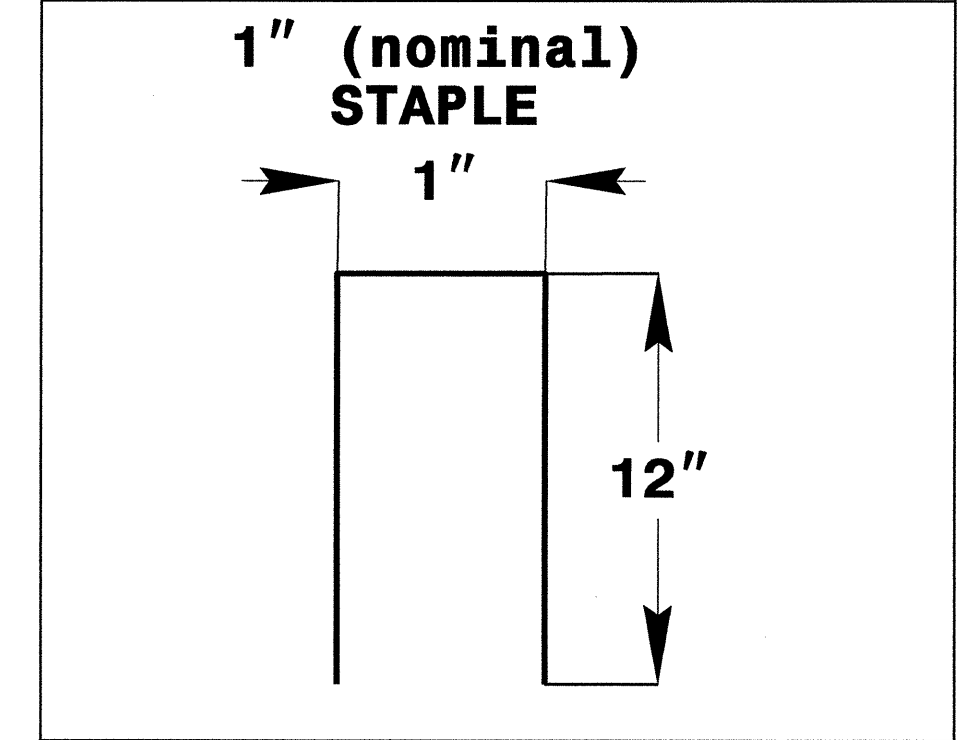
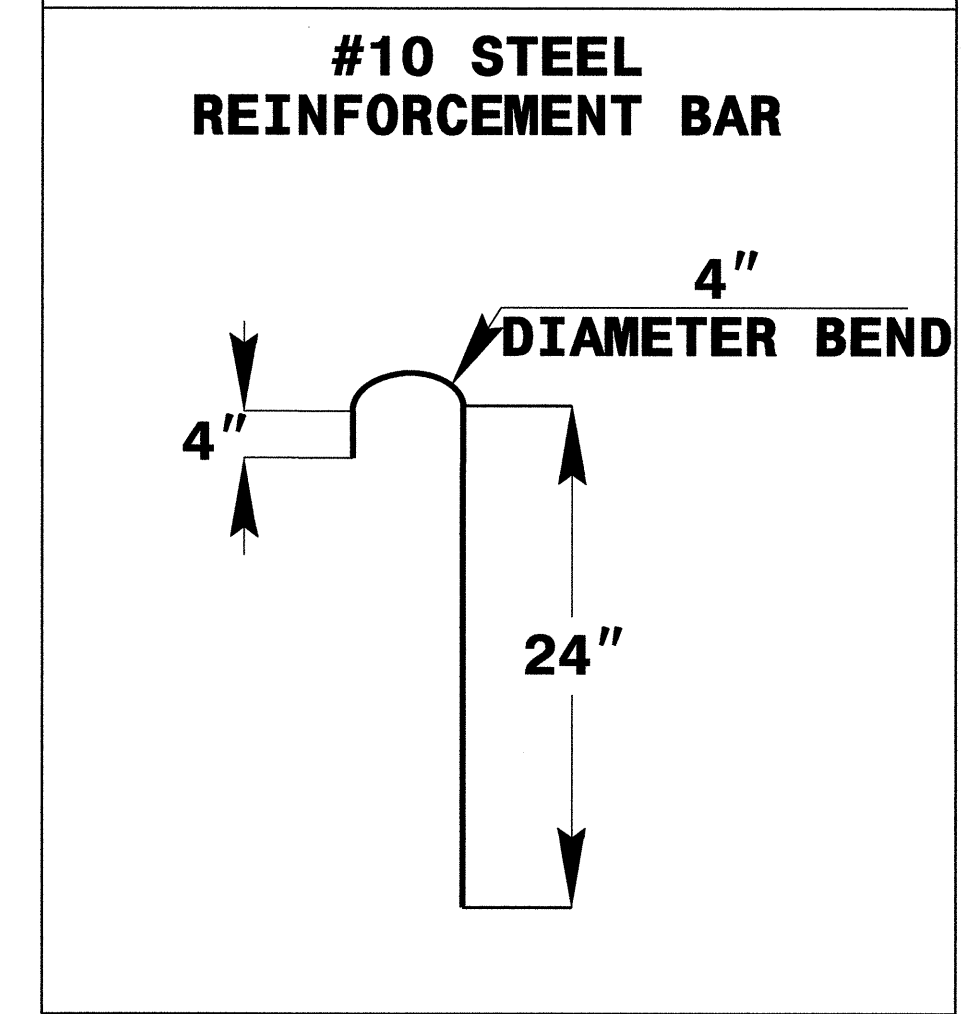
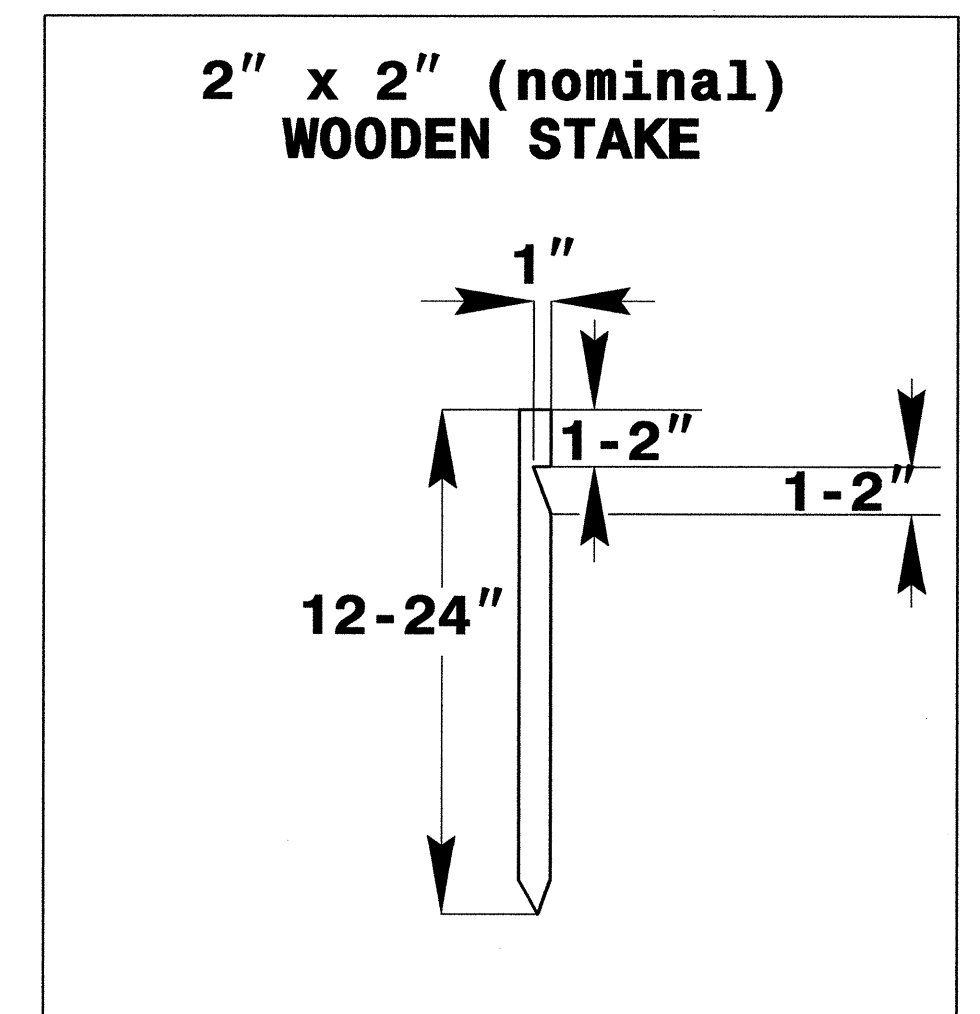
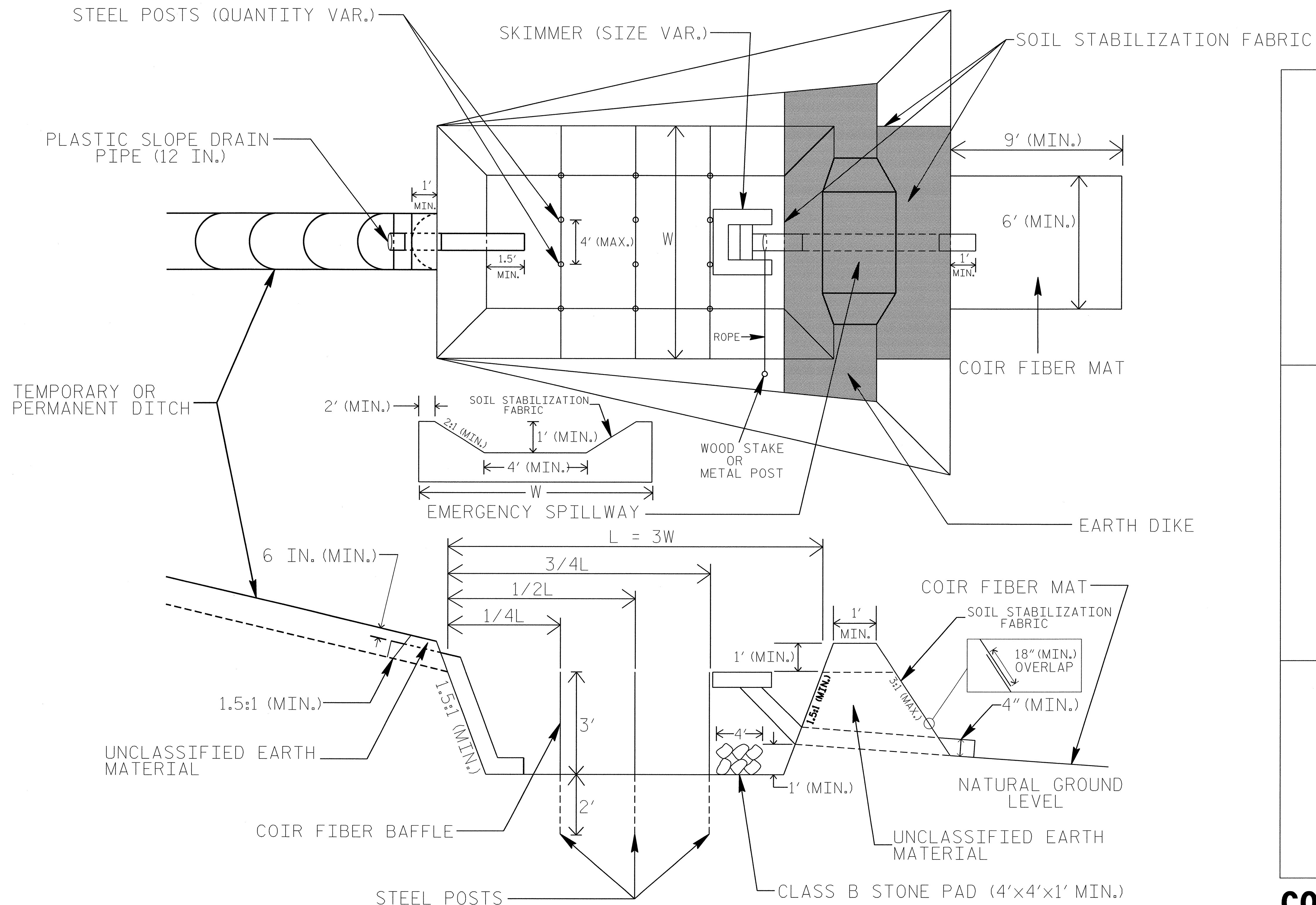
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. B-3187	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

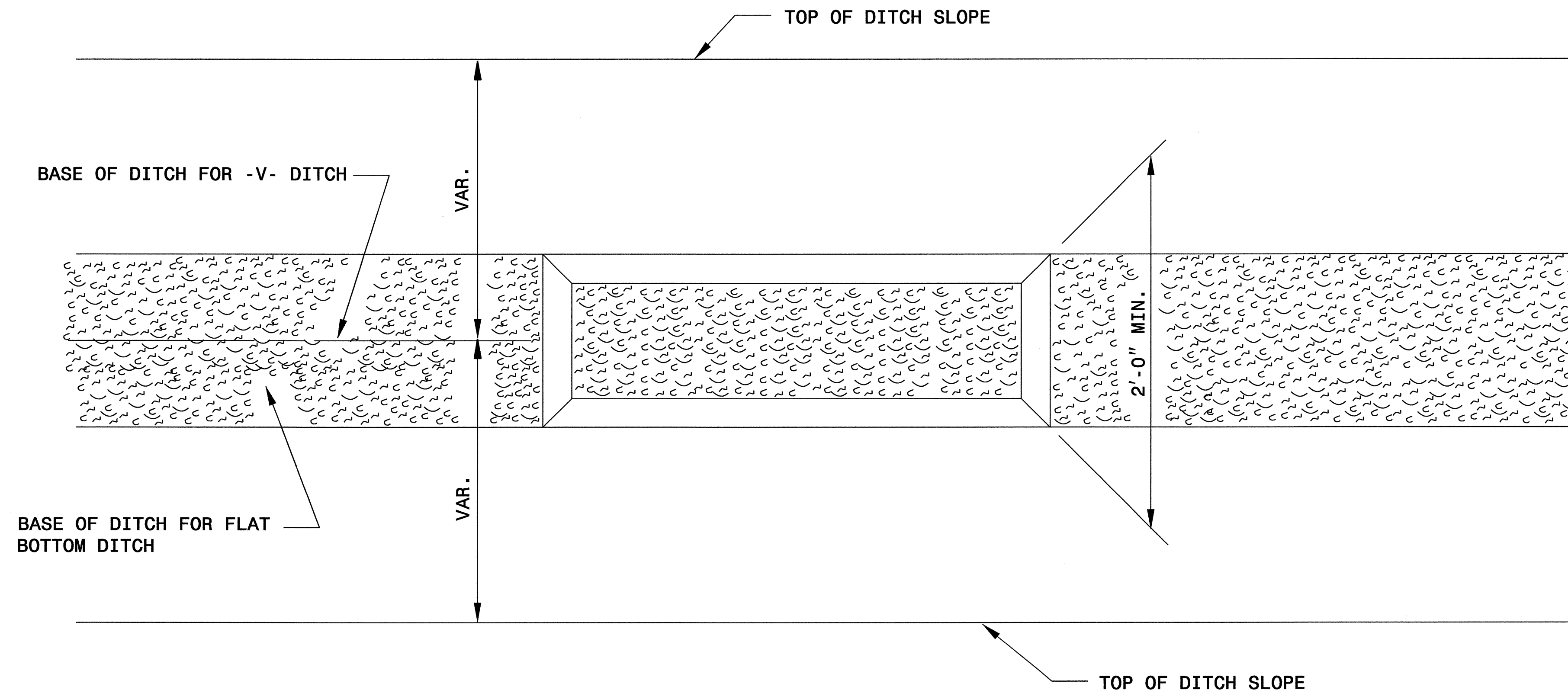
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR 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 EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTER FABRIC AS DIRECTED.
6. SOIL STABILIZATION FABRIC FOR EMERGENCY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18" AS SHOWN.

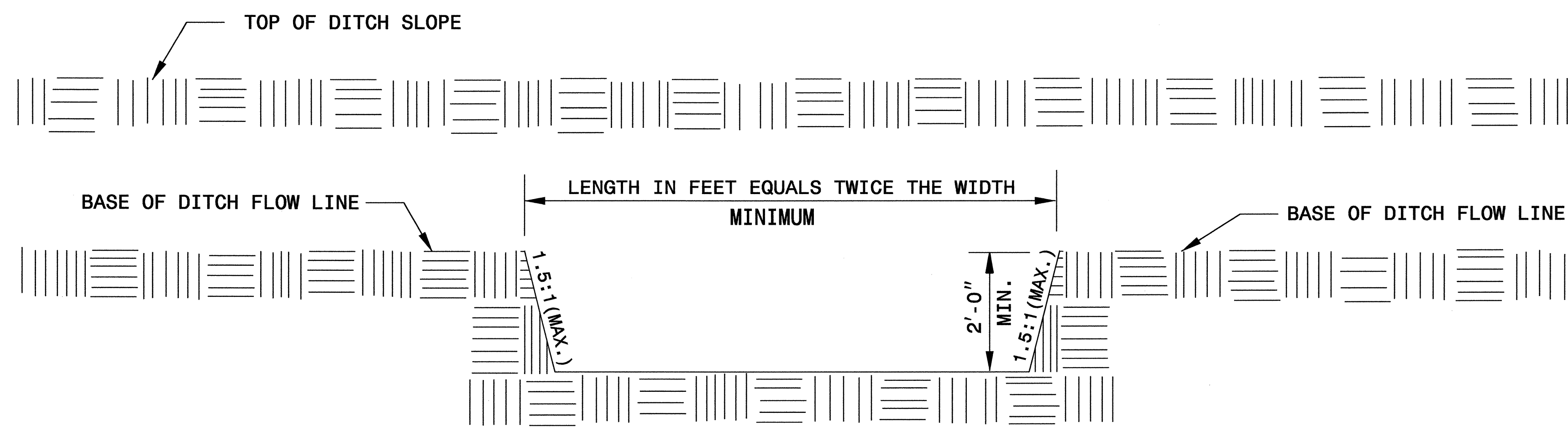
NOT TO SCALE

PROJECT REFERENCE NO. <i>B-3187</i>	SHEET NO. <i>EC-2C</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SILT BASIN 'B' DETAIL



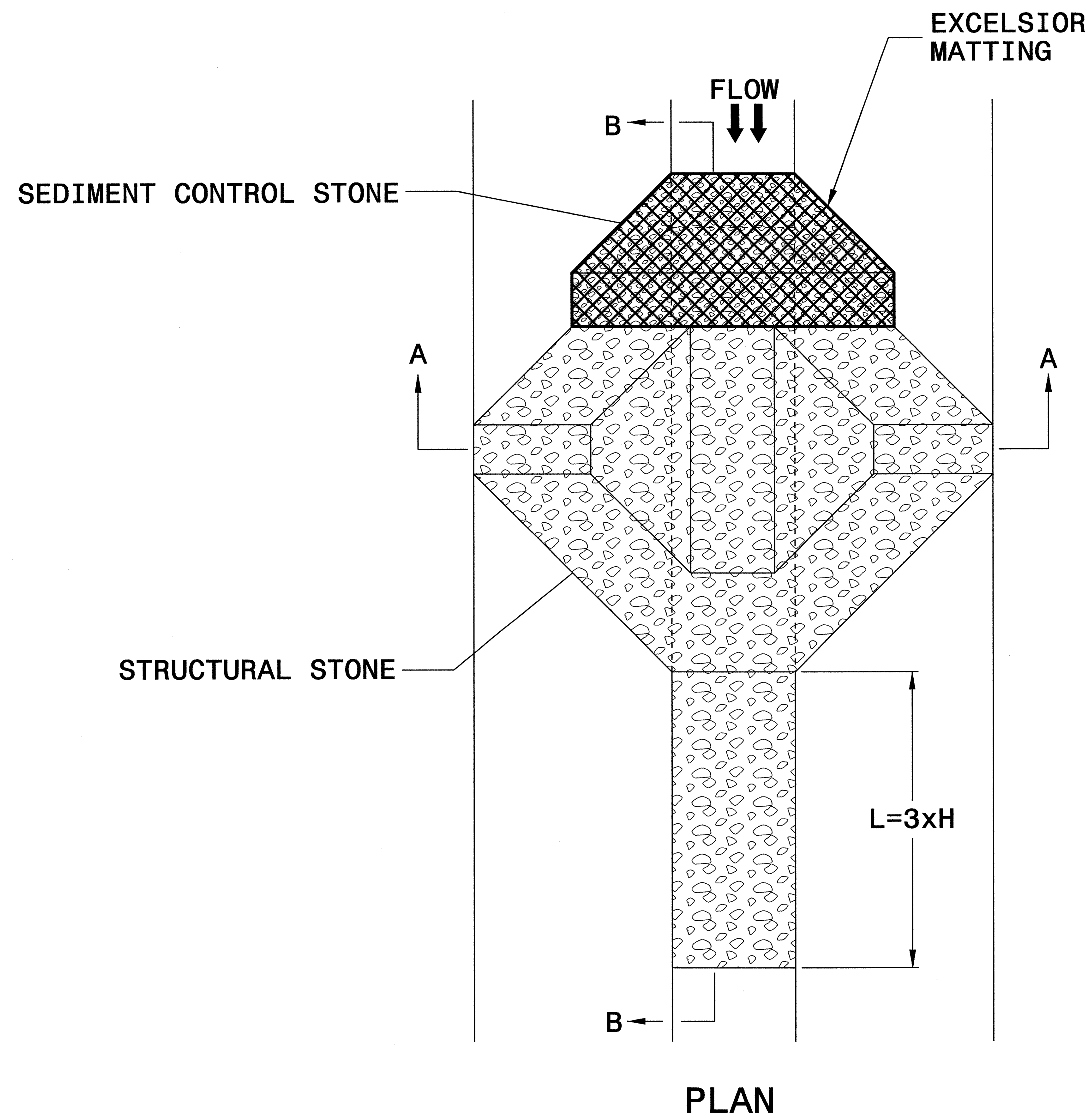
PLAN



ELEVATION

PROJECT REFERENCE NO. B-3187	SHEET NO. EC-2D
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

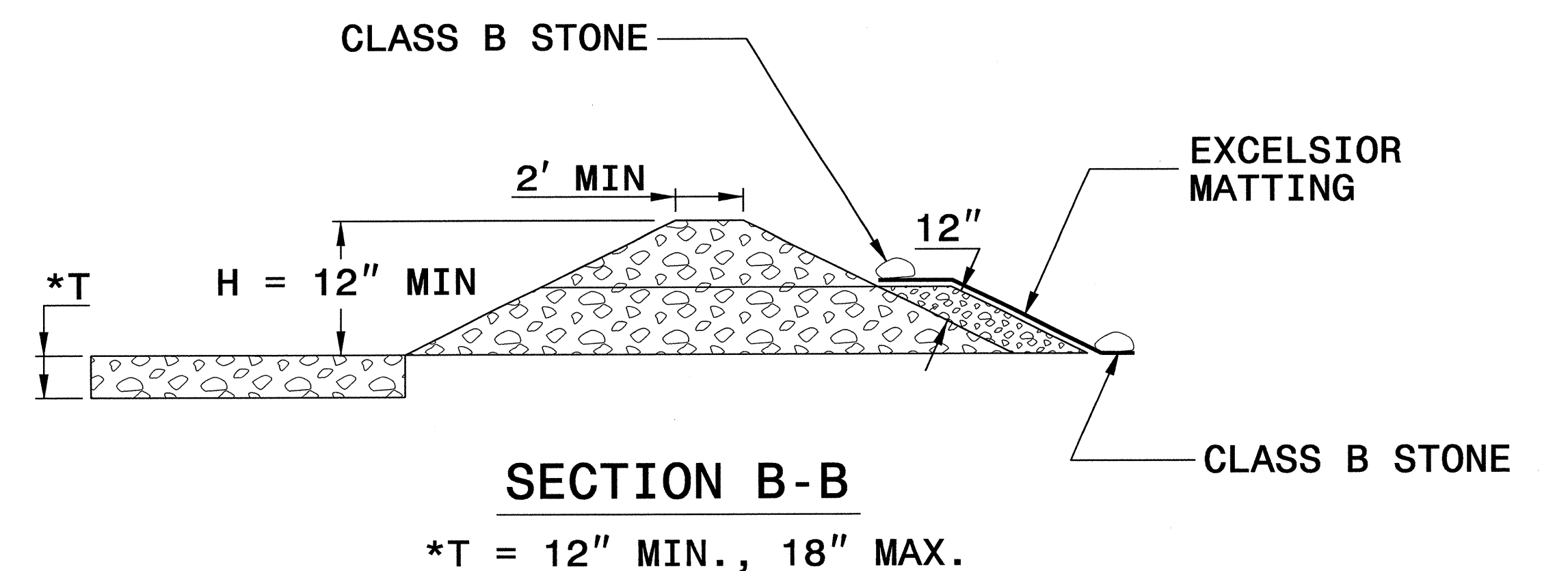
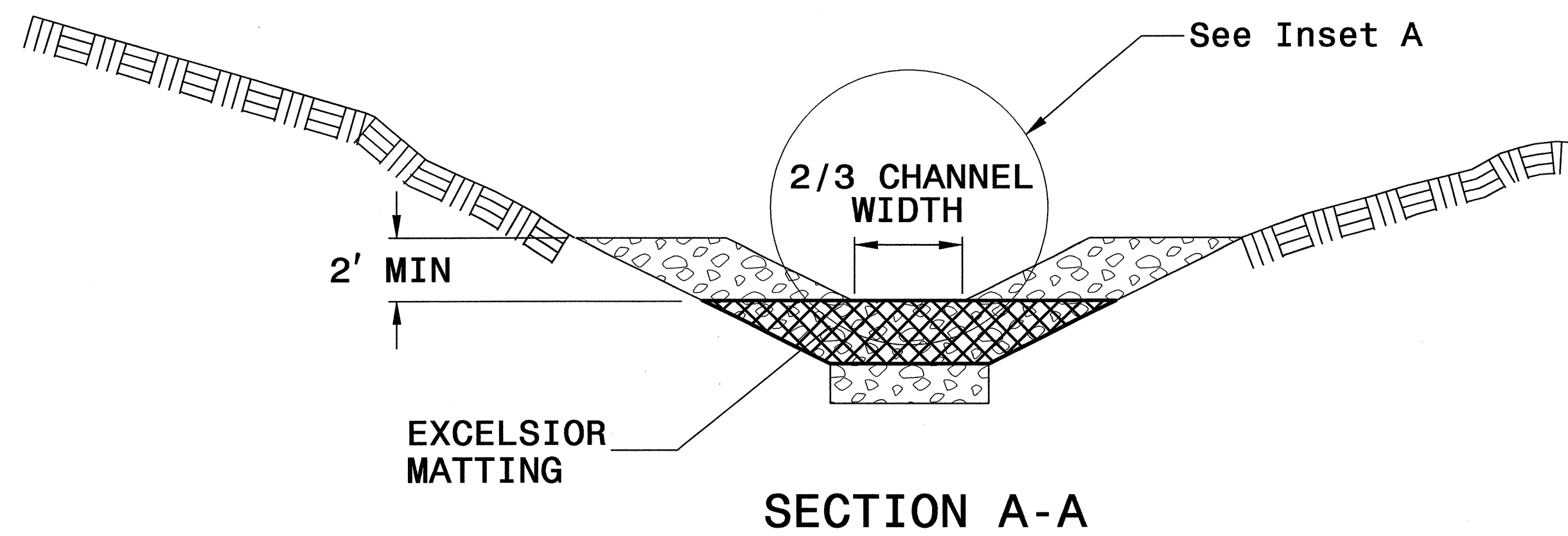
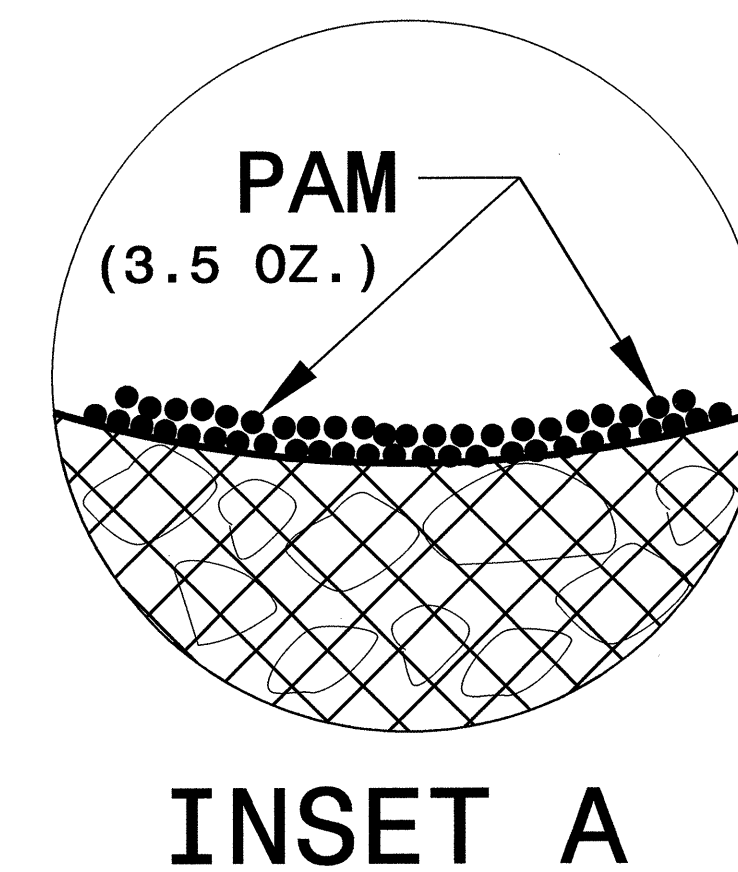


NOTES

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.

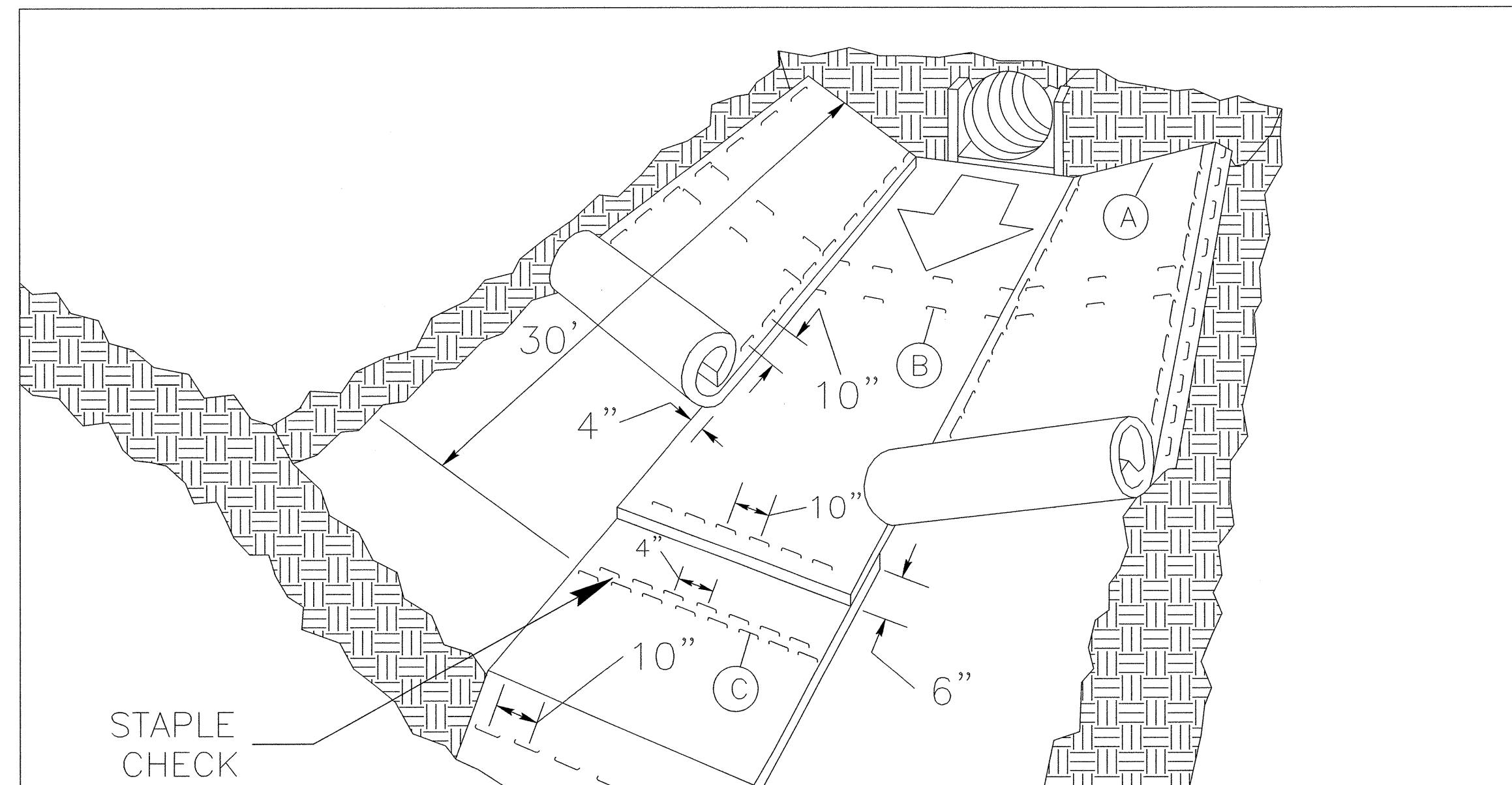
INITIALLY APPLY 3.5 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



NOT TO SCALE

PROJECT REFERENCE NO. B-3187	SHEET NO. EC-2E
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

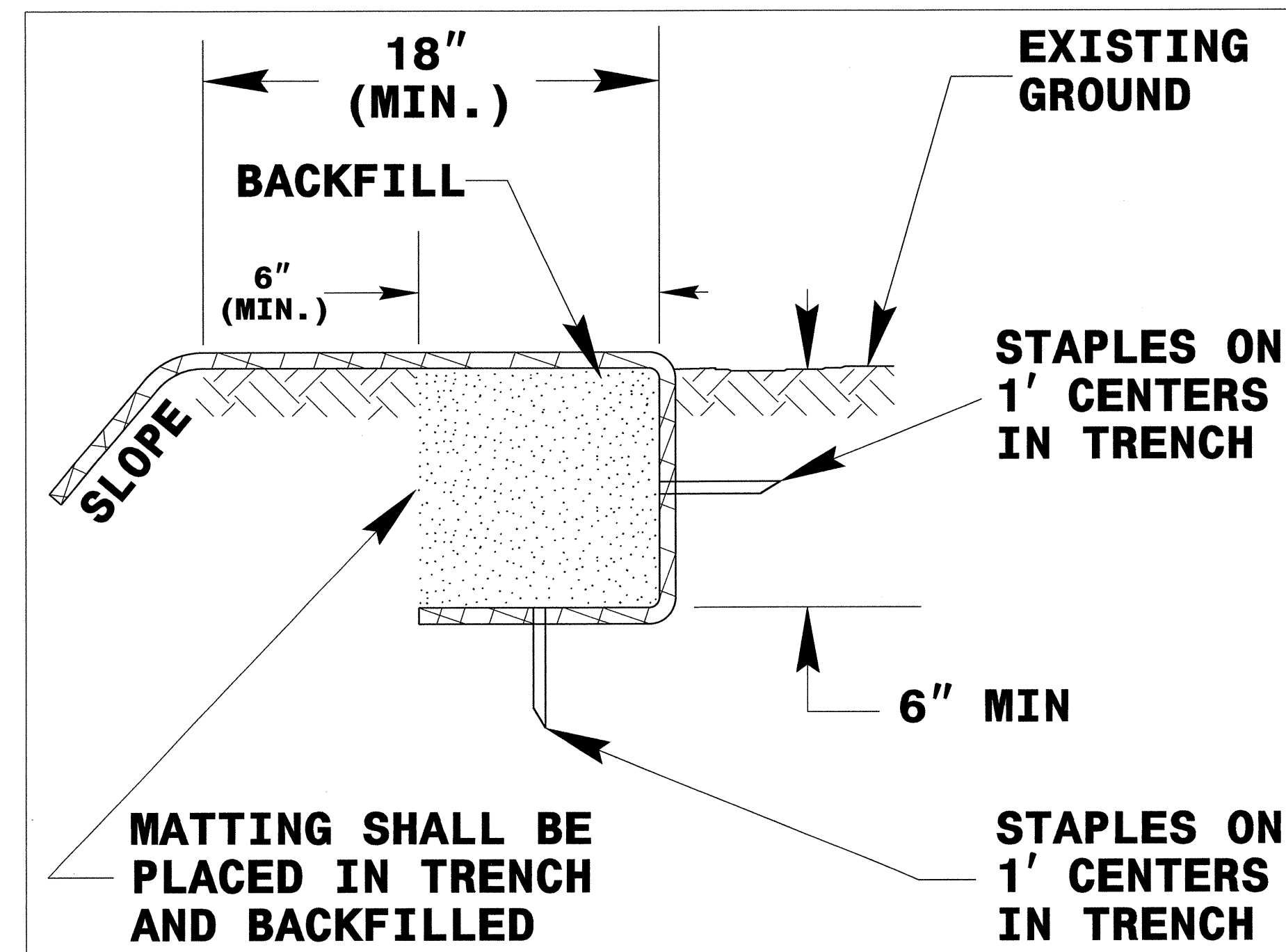
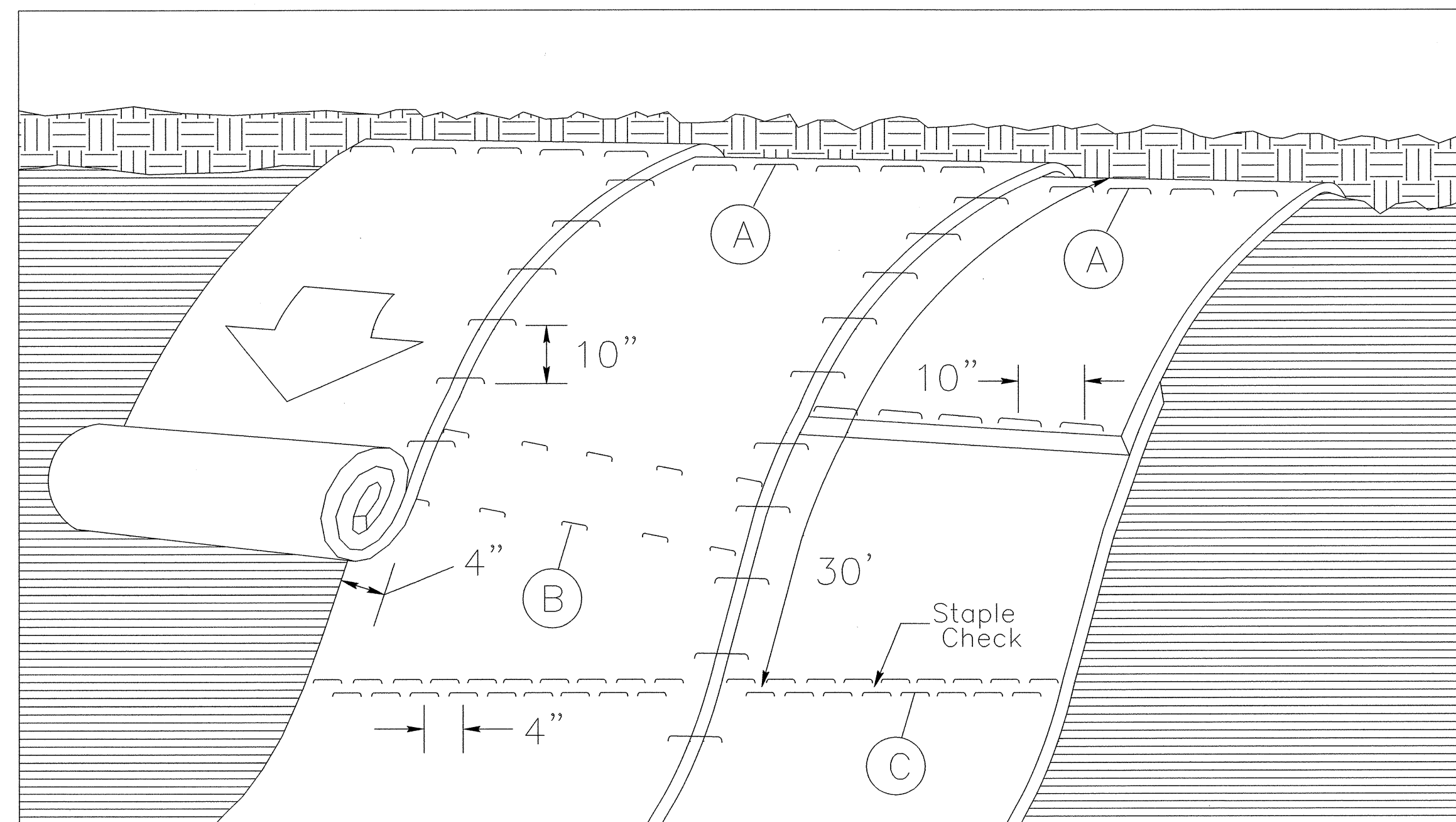


DIAGRAM (A)



MATTING ON SLOPES

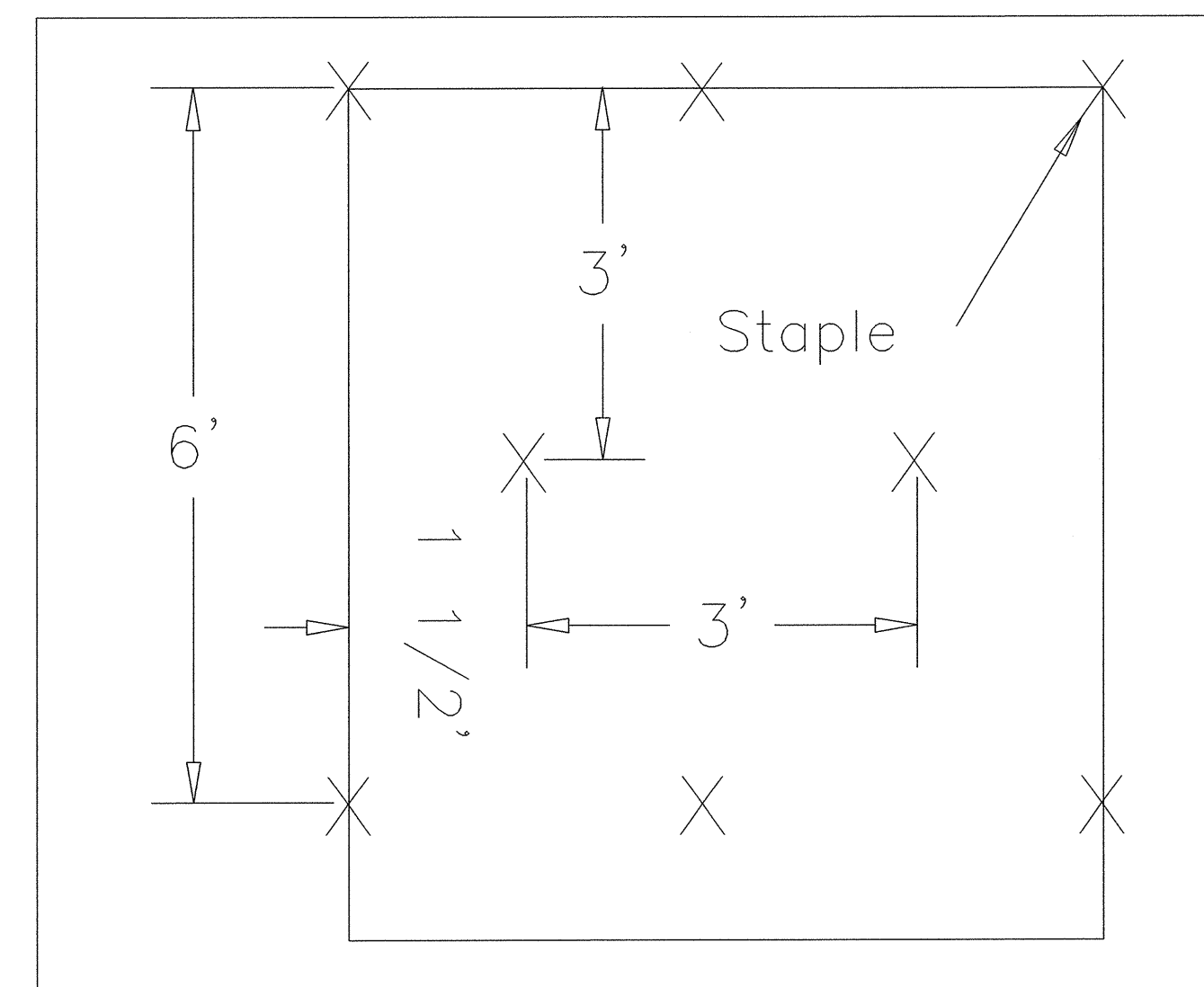


DIAGRAM (B)

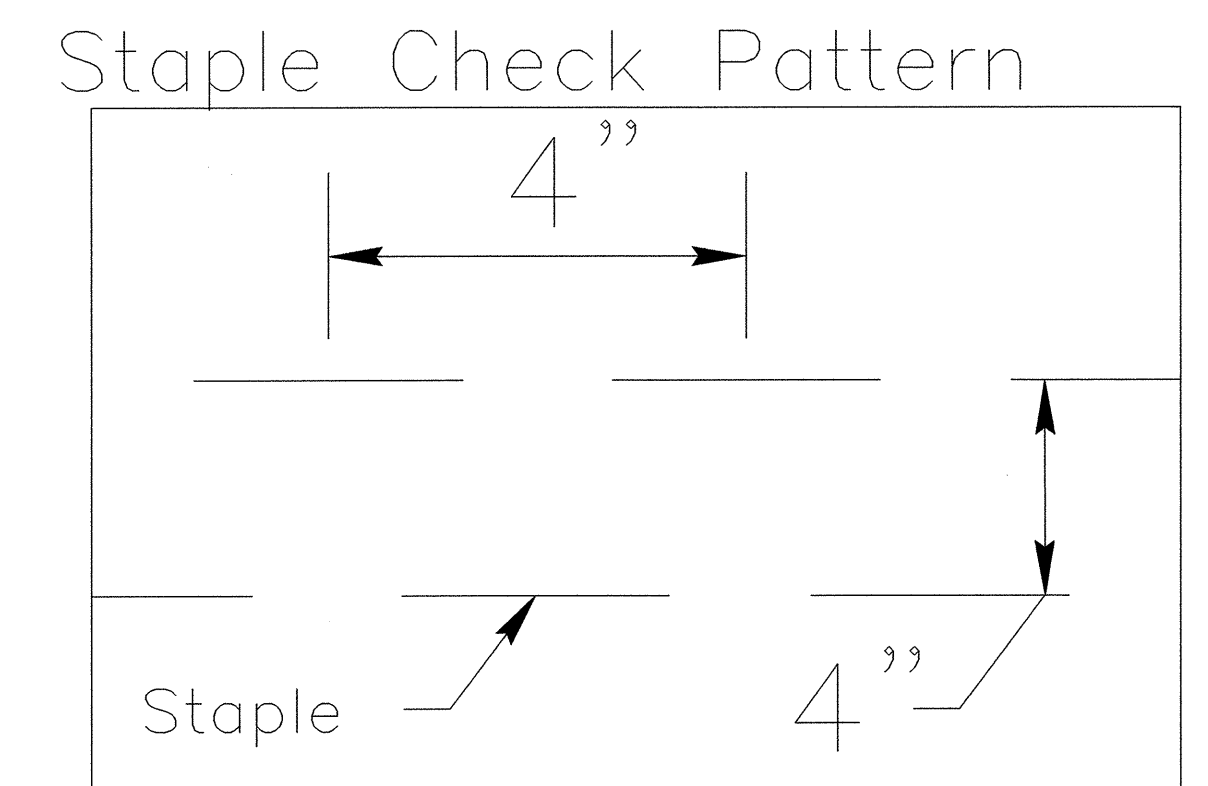


DIAGRAM (C)

NOTES:

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.
 STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

NOTE: UTILIZE SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.



INSTALL 15" PIPE DURING CLEARING & GRUBBING PHASE

68 x 12 x 3
ID 4.3 F

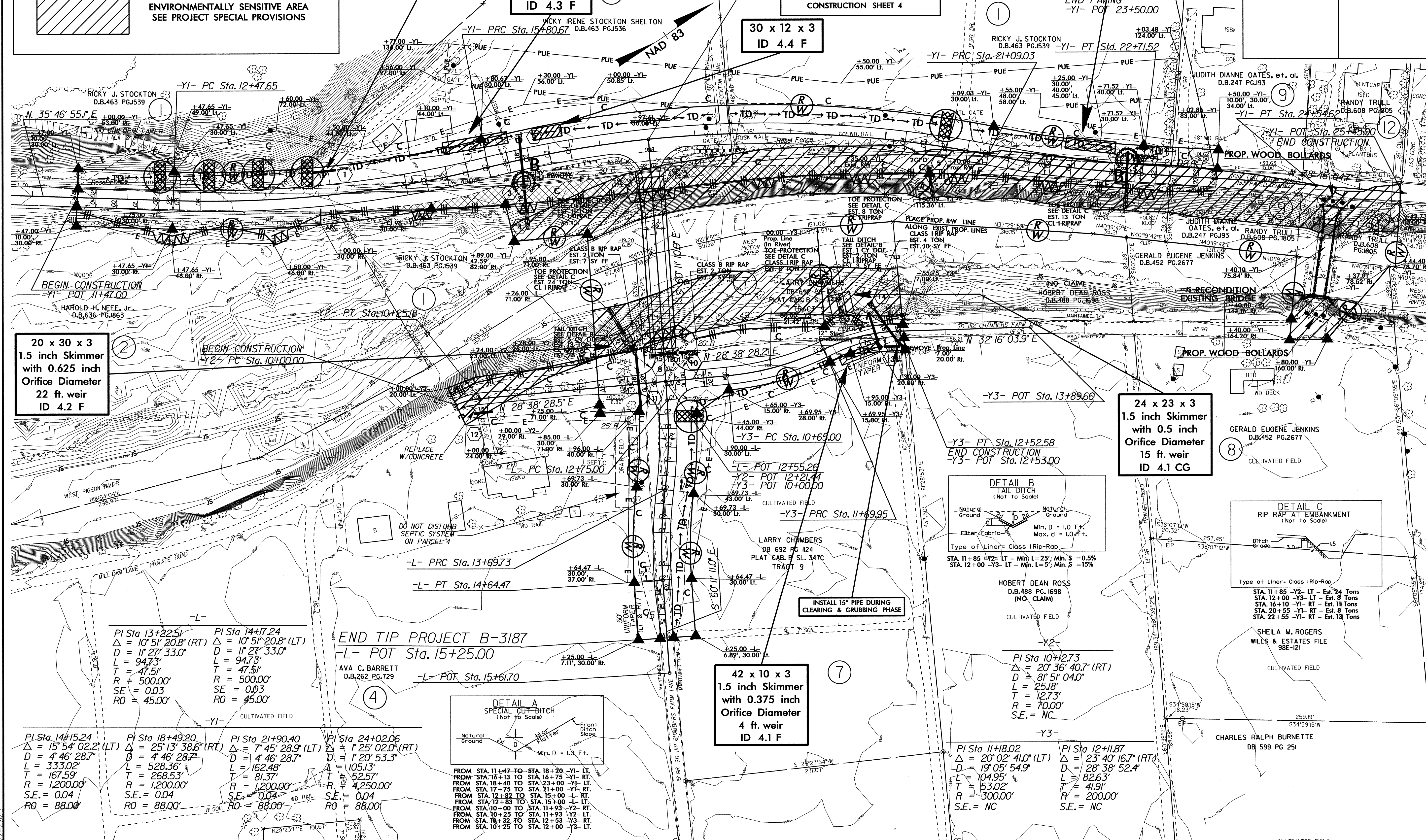
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

52 x 12 x 3
ID 4.5 F

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

-Y1- PC Sta. 23+49.50
END PAVING
-Y1- POT 23+50.00

BEGIN TIP PROJECT B-3187
-L- STA 10+00.00
-Y1- POS 17+51.30



20 x 30 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
22 ft. weir
ID 4.2 F

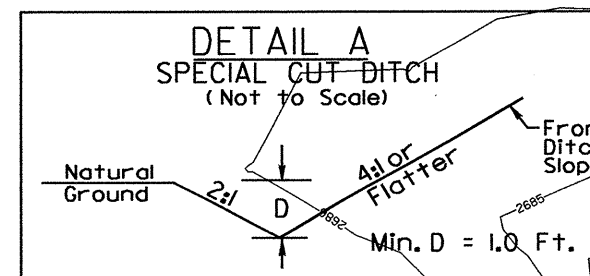
24 x 23 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
15 ft. weir
ID 4.1 CG

42 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 4.1 F

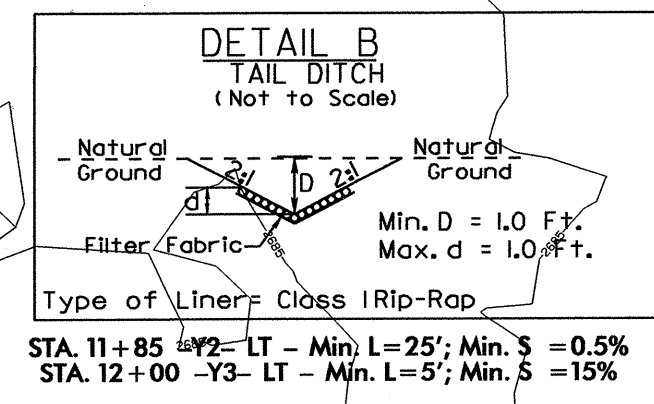
END TIP PROJECT B-3187
-L- POT Sta. 15+25.00

PI Sta 13+22.51 Δ = 10° 51' 20.8" (RT) D = 11' 27' 33.0" L = 94.73' T = 47.51' R = 500.00' SE = 0.03 RO = 45.00'	PI Sta 14+17.24 Δ = 10° 51' 20.8" (LT) D = 11' 27' 33.0" L = 94.73' T = 47.51' R = 500.00' SE = 0.03 RO = 45.00'
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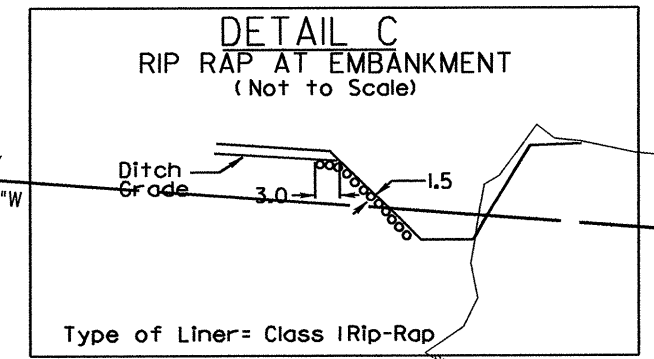
PI Sta 14+15.24 Δ = 15° 54' 02.2" (LT) D = 4' 46' 28.7" L = 333.02' T = 167.59' R = 1,200.00' S.E. = 0.04 RO = 88.00'	PI Sta 18+49.20 Δ = 25° 13' 38.6" (RT) D = 4' 46' 28.7" L = 528.36' T = 268.53' R = 1,200.00' S.E. = 0.04 RO = 88.00'	PI Sta 21+90.40 Δ = 7° 45' 28.9" (LT) D = 4' 46' 28.7" L = 162.48' T = 81.37' R = 1,200.00' S.E. = 0.04 RO = 88.00'	PI Sta 24+02.06 Δ = 1° 25' 02.0" (RT) D = 1' 20' 53.3" L = 105.13' T = 52.57' R = 4,250.00' S.E. = 0.04 RO = 88.00'
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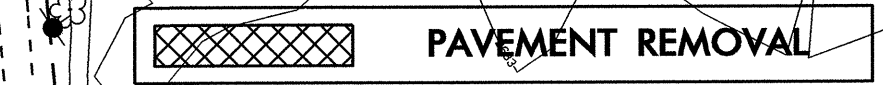
FROM STA. 11+47 TO STA. 18+30 -Y1- LT.
FROM STA. 16+13 TO STA. 16+75 -Y1- RT.
FROM STA. 18+40 TO STA. 23+00 -Y1- LT.
FROM STA. 17+75 TO STA. 21+00 -Y1- RT.
FROM STA. 12+82 TO STA. 15+00 -L- RT.
FROM STA. 12+83 TO STA. 15+00 -L- LT.
FROM STA. 10+00 TO STA. 11+93 -Y2- RT.
FROM STA. 10+25 TO STA. 11+93 -Y2- LT.
FROM STA. 10+32 TO STA. 12+53 -Y3- RT.
FROM STA. 10+25 TO STA. 12+00 -Y3- LT.



Type of Liner = Class I Rip-Rap
STA. 11+85 -Y2- LT - Min. L=25'; Min. S = 0.5%
STA. 12+00 -Y3- LT - Min. L=5'; Min. S = 15%



Type of Liner = Class I Rip-Rap
STA. 11+85 -Y2- LT - Est. 24 Tons
STA. 12+00 -Y3- LT - Est. 8 Tons
STA. 16+10 -Y1- RT - Est. 11 Tons
STA. 20+55 -Y1- RT - Est. 8 Tons
STA. 22+55 -Y1- RT - Est. 13 Tons



SEE SHEET 5 FOR -L- & -Y1- PROFILES
SEE SHEET 6 FOR -Y2- & -Y3- PROFILES
SEE SHEETS S-1 THRU S- FOR STRUCTURE PLANS

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NOTE:
UTILIZE SKIMMER BASIN
AS STILLING BASIN WHERE APPLICABLE.

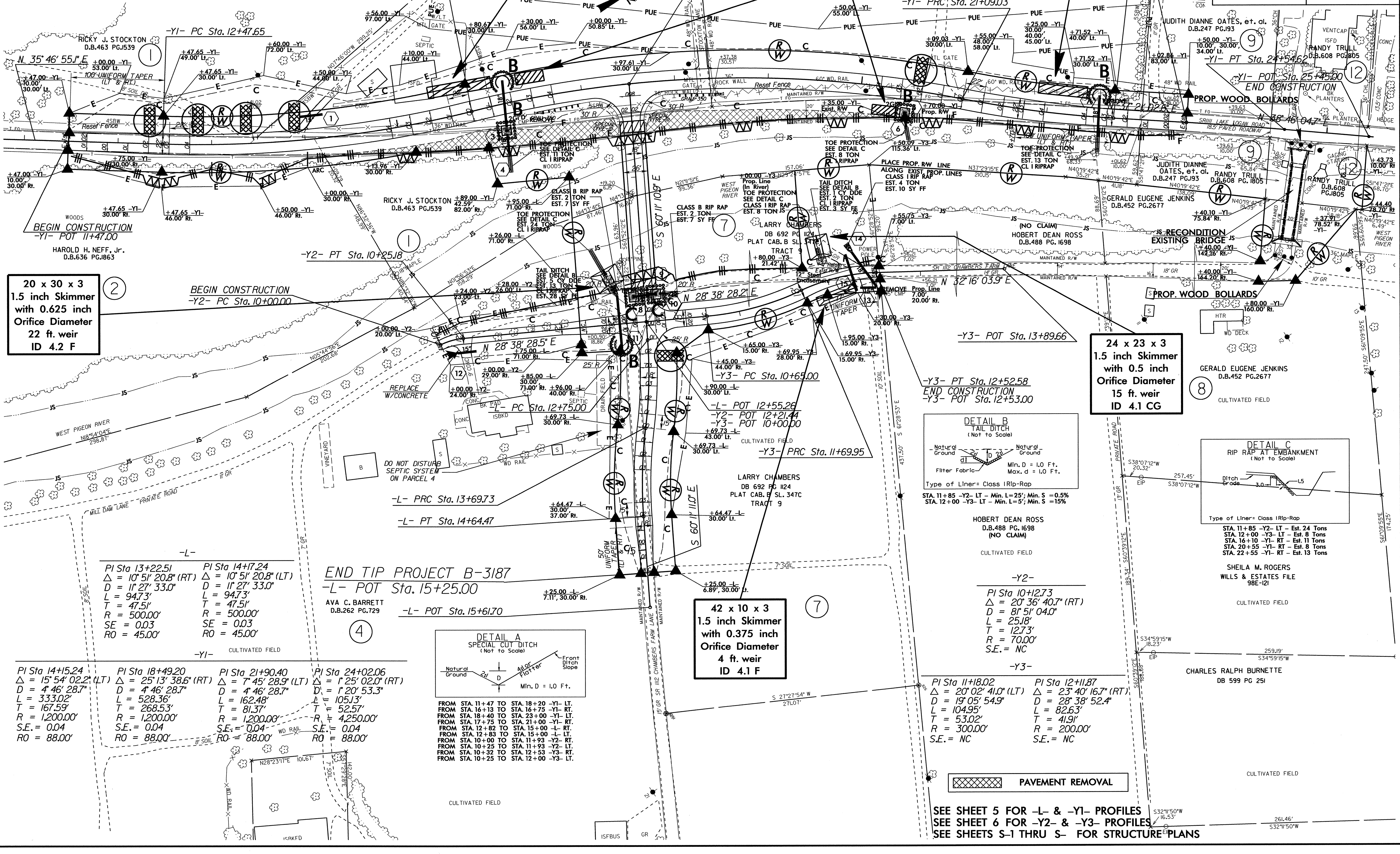
BEGIN TIP PROJECT B-3187
-L- STA 10+00.00
-Y1- POS 17+51.30

52 x 12 x 3
ID 4.5 F

68 x 12 x 3
ID 4.3 F

30 x 12 x 3
ID 4.4 F

25 x 10 x 3
ID 4.6 F



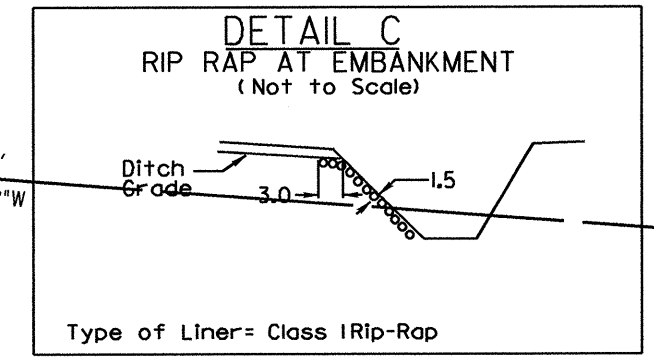
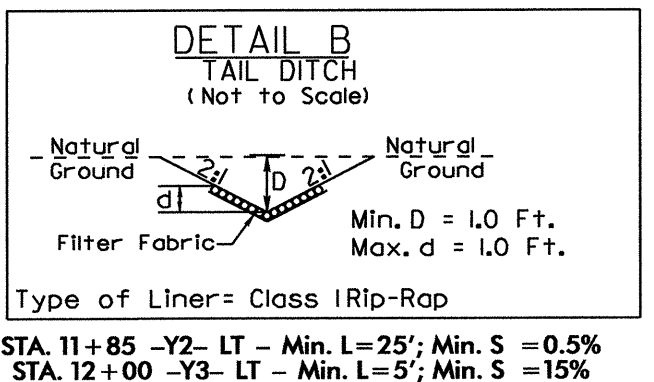
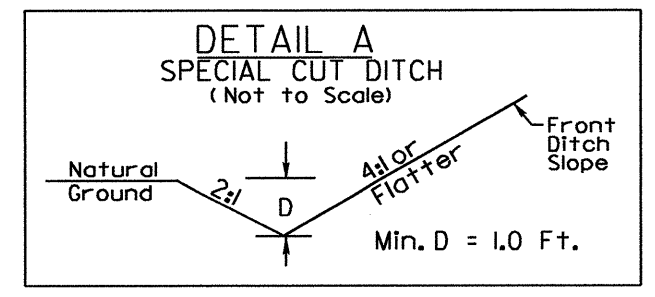
20 x 30 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
22 ft. weir
ID 4.2 F

24 x 23 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
15 ft. weir
ID 4.1 CG

42 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 4.1 F

END TIP PROJECT B-3187
-L- POT Sta. 15+25.00

PI Sta 13+22.51 Δ = 10° 51' 20.8" (RT) D = 11' 27' 33.0" L = 94.73' T = 47.51' R = 500.00' SE = 0.03 RO = 45.00'	PI Sta 14+17.24 Δ = 10° 51' 20.8" (LT) D = 11' 27' 33.0" L = 94.73' T = 47.51' R = 500.00' SE = 0.03 RO = 45.00'	PI Sta 14+15.24 Δ = 15° 54' 02.2" (LT) D = 4' 46' 28.7" L = 333.02' T = 167.59' R = 1,200.00' S.E. = 0.04 RO = 88.00'	PI Sta 18+49.20 Δ = 25° 13' 38.6" (RT) D = 4' 46' 28.7" L = 528.36' T = 268.53' R = 1,200.00' S.E. = 0.04 RO = 88.00'	PI Sta 21+90.40 Δ = 7° 45' 28.9" (LT) D = 4' 46' 28.7" L = 162.48' T = 81.37' R = 1,200.00' S.E. = 0.04 RO = 88.00'	PI Sta 24+02.06 Δ = 1° 25' 02.0" (RT) D = 1' 20' 53.3" L = 105.13' T = 52.57' R = 4,250.00' S.E. = 0.04 RO = 88.00'
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HOBERT DEAN ROSS
D.B.488 PG. 1698
(NO CLAIM)
CULTIVATED FIELD

-Y2-
PI Sta 10+12.73
Δ = 20° 36' 40.7" (RT)
D = 81' 51" 04.0"
L = 25.18'
T = 12.73'
R = 70.00'
S.E. = NC

-Y3-
PI Sta 11+8.02
Δ = 20° 02' 41.0" (LT)
D = 19° 05' 54.9"
L = 104.95'
T = 53.02'
R = 300.00'
S.E. = NC

-Y2-
PI Sta 12+11.87
Δ = 23° 40' 16.7" (RT)
D = 28° 38' 52.4"
L = 82.63'
T = 41.91'
R = 200.00'
S.E. = NC

PAVEMENT REMOVAL

SEE SHEET 5 FOR -L- & -Y1- PROFILES
SEE SHEET 6 FOR -Y2- & -Y3- PROFILES
SEE SHEETS S-1 THRU S- FOR STRUCTURE PLANS

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