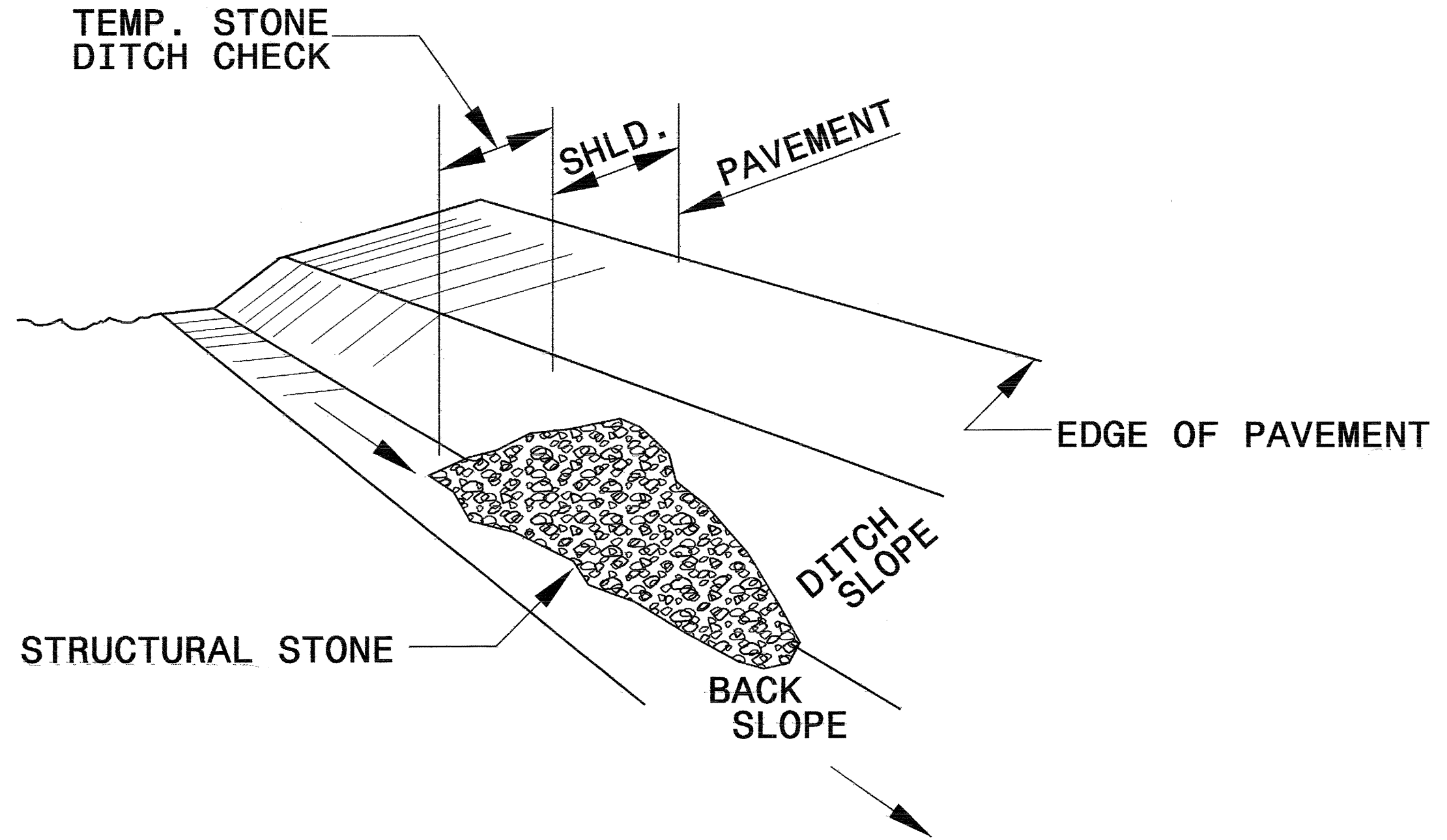


PROJECT REFERENCE NO. B-3909	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

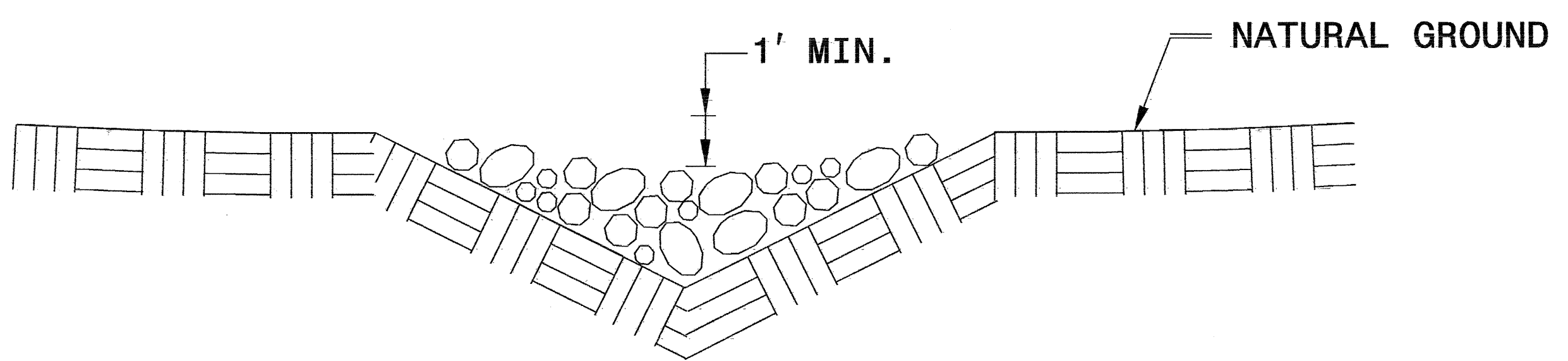


ISOMETRIC VIEW

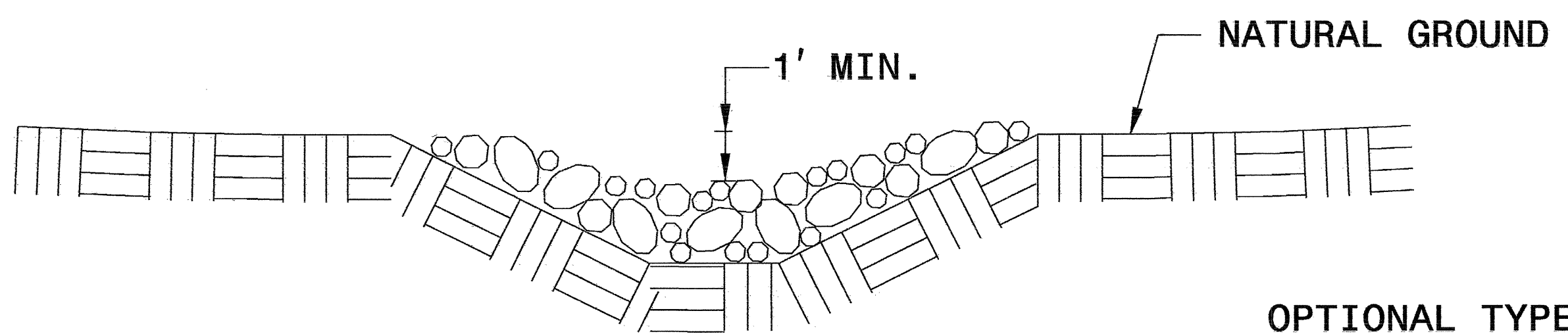
NOTES:

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

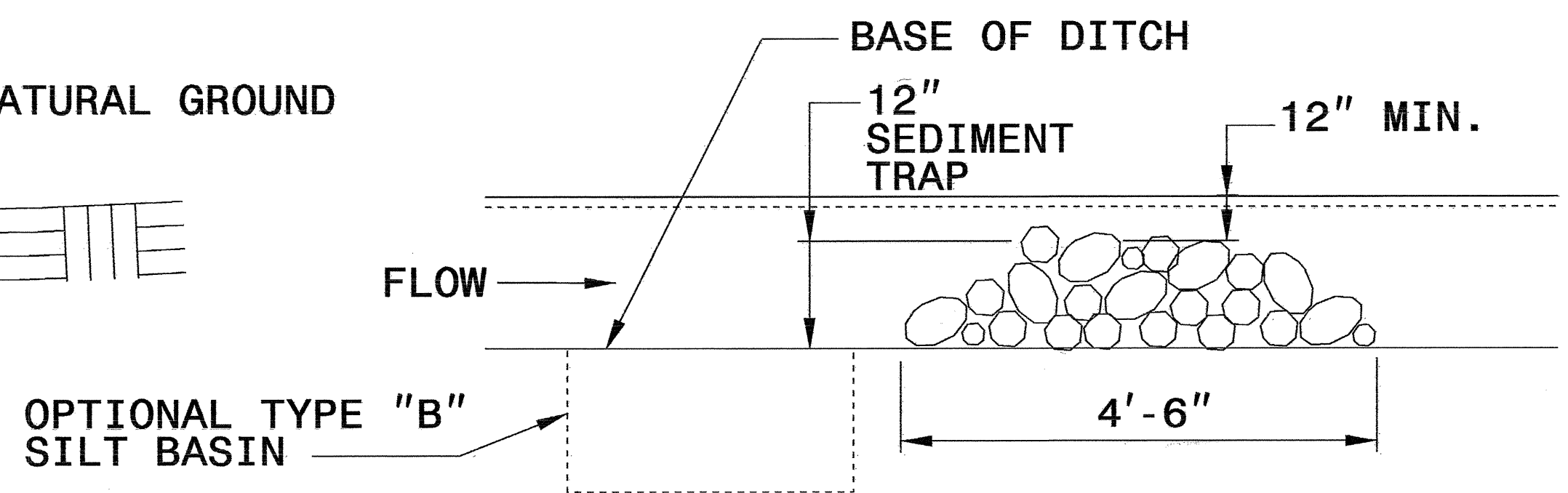
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



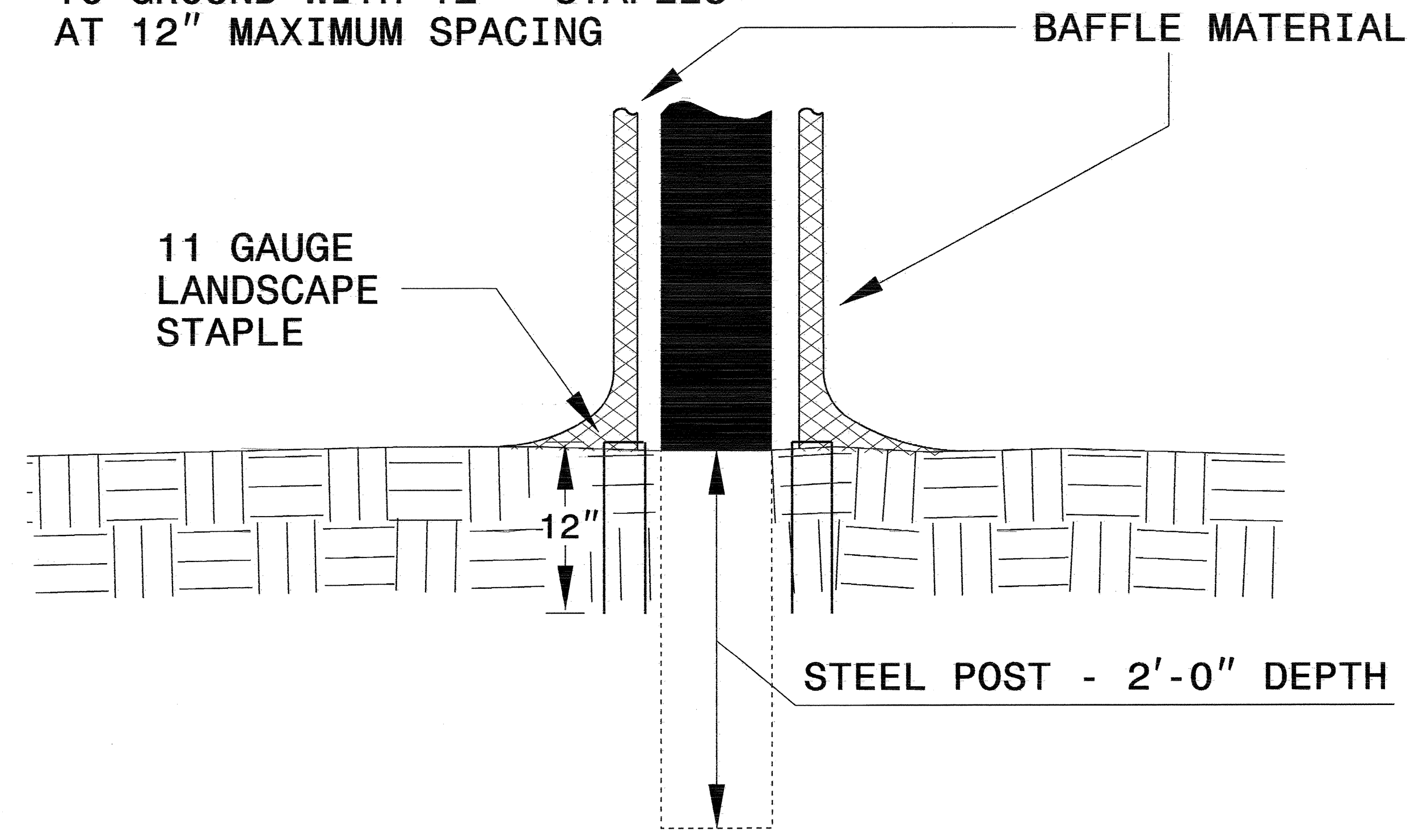
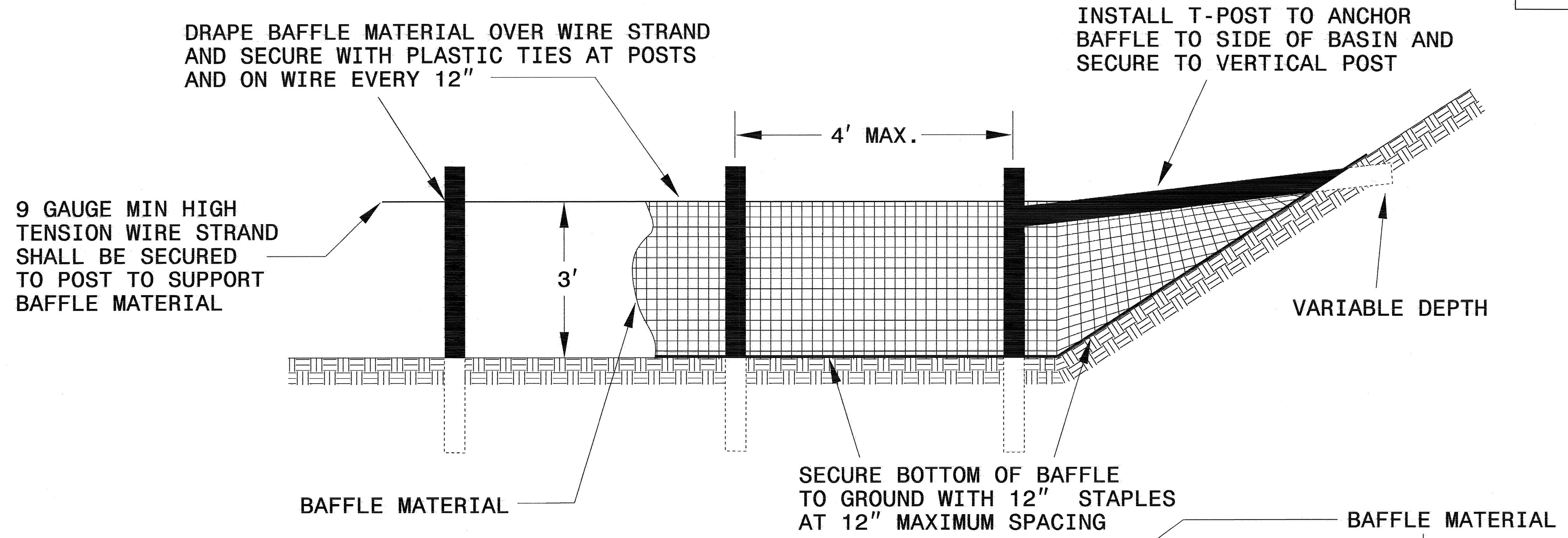
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. B-3909	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL



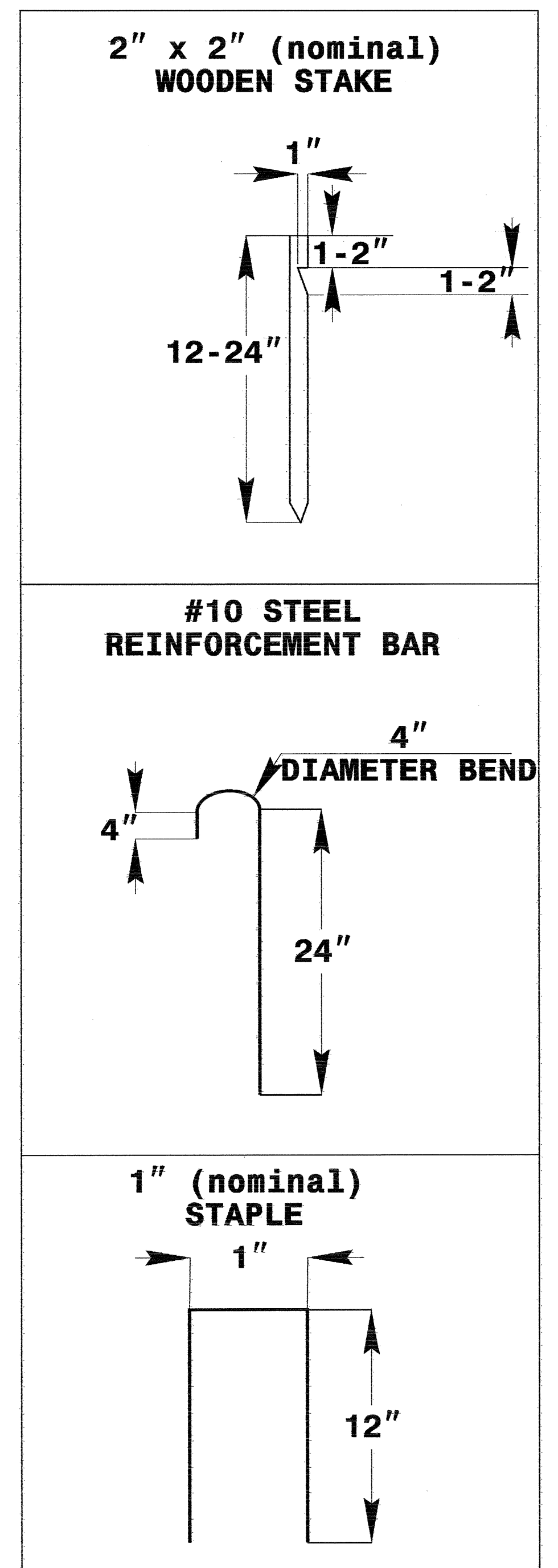
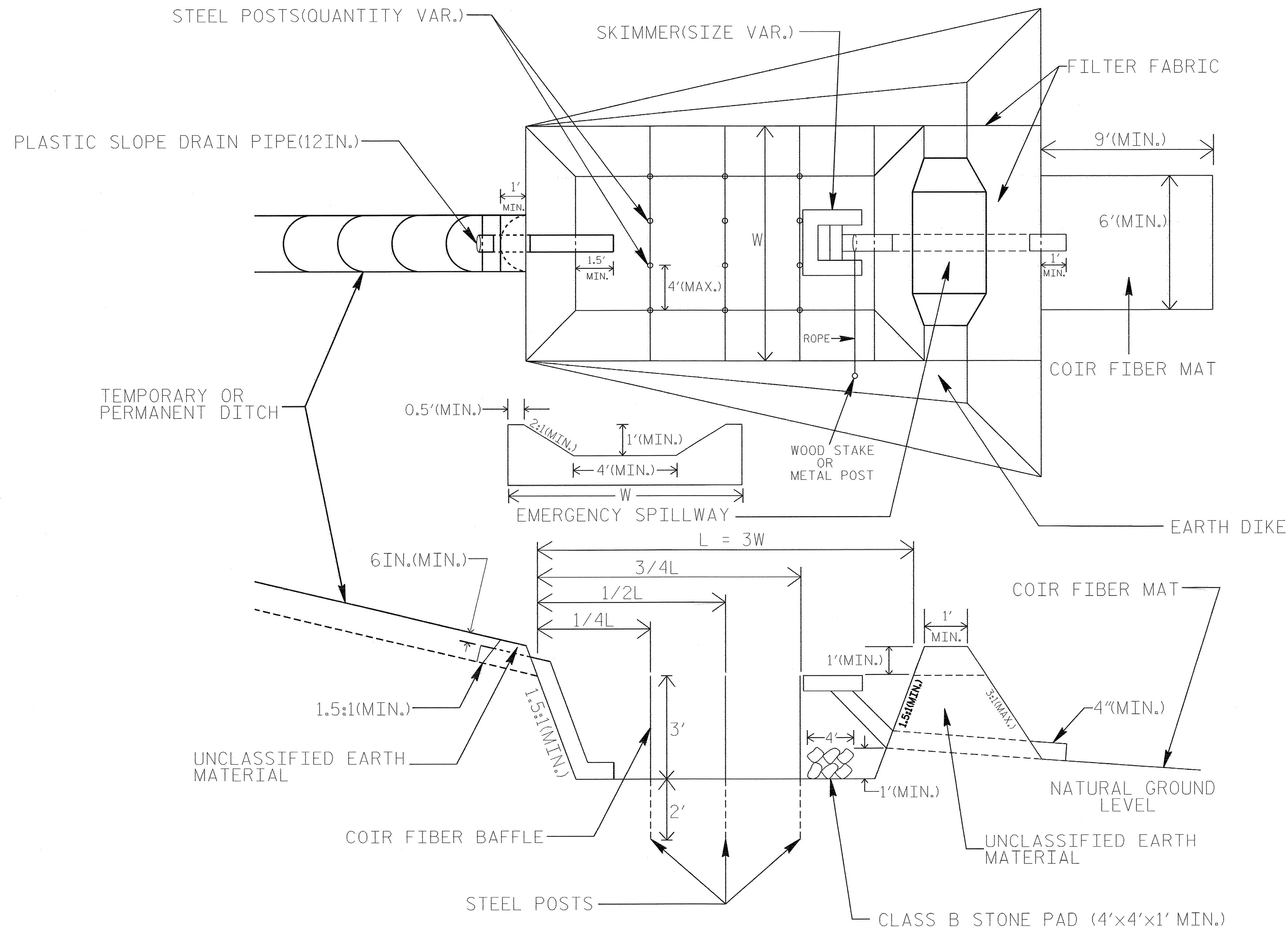
NOTES:

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. B-3909	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

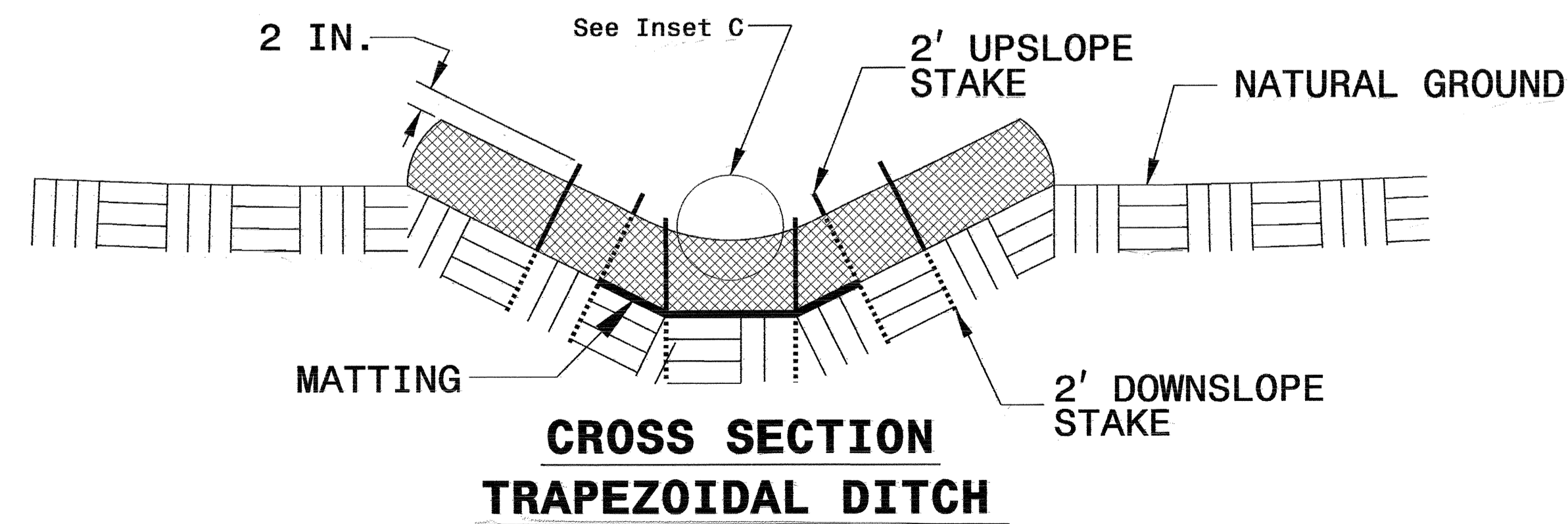
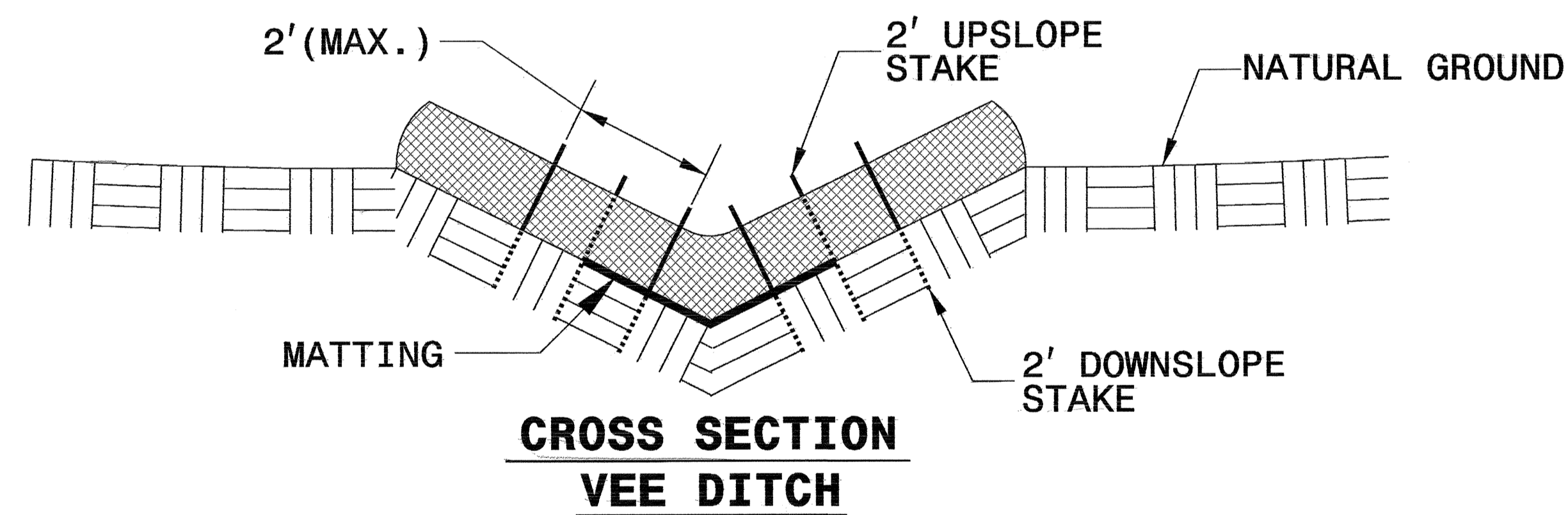
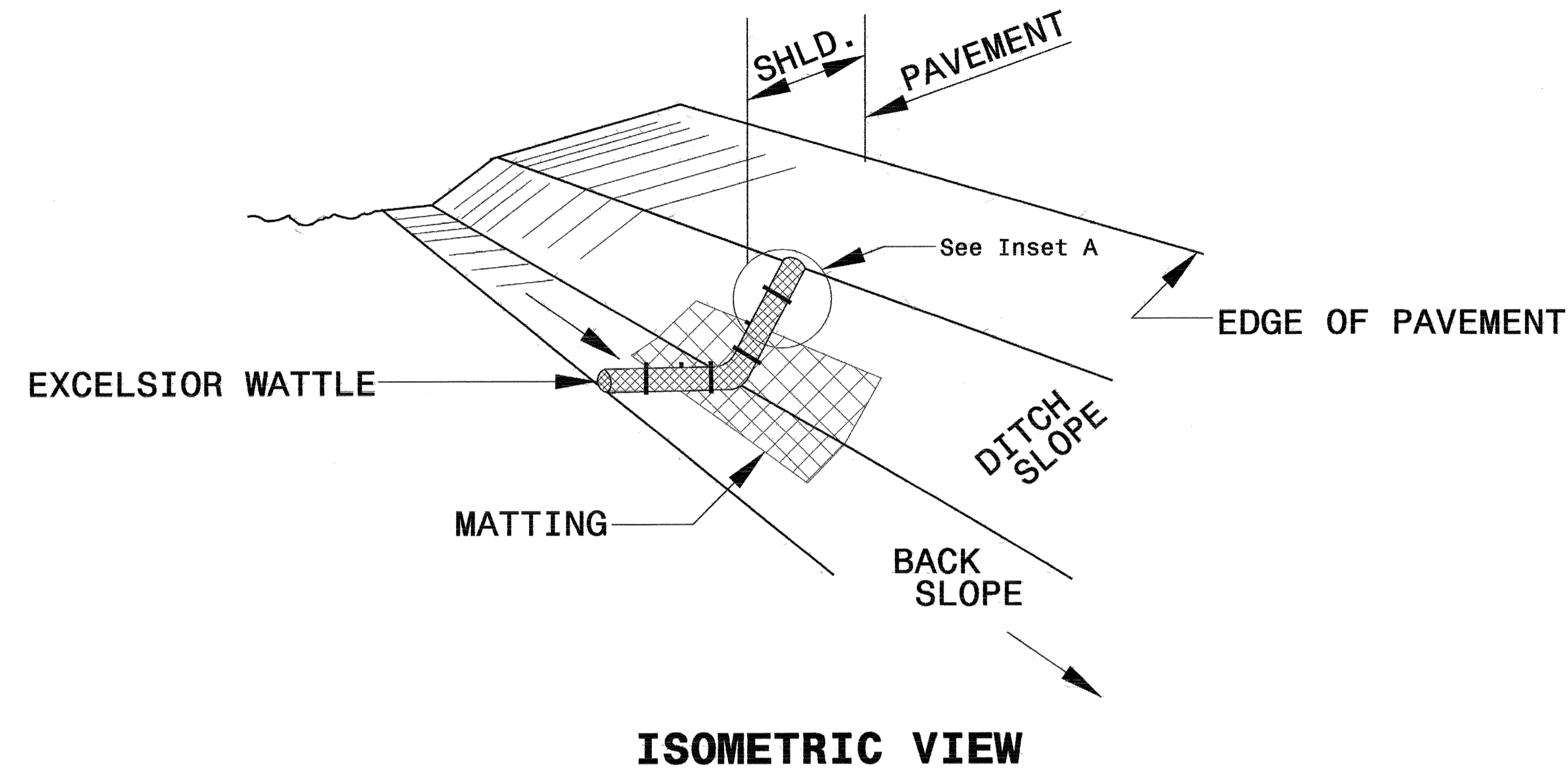
NOTES

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

PROJECT REFERENCE NO. B-3909	SHEET NO. EC-20
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.

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.

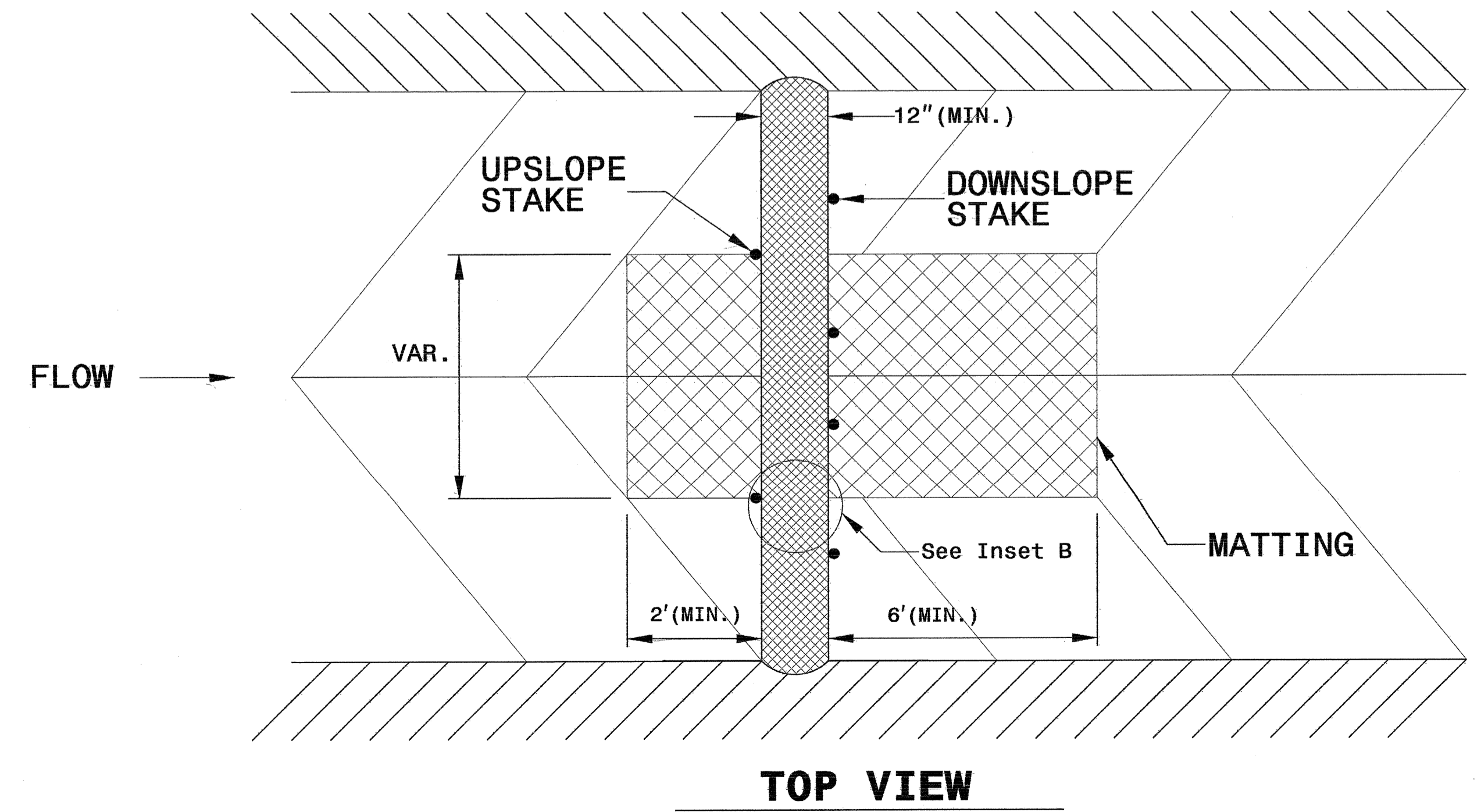
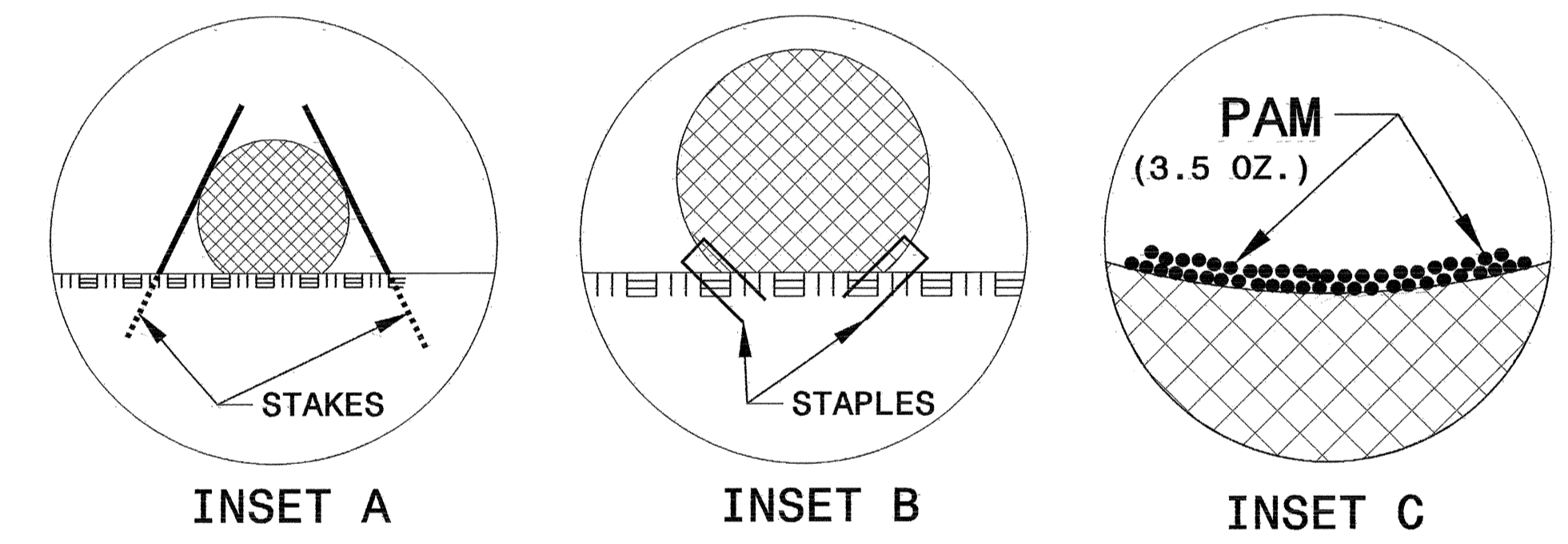
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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 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.	SHEET NO.
B-3909	EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 23+75.97
 $\Delta = 14^{\circ} 01' 57.9" (RT)$
 $D = 4^{\circ} 30' 00.0"$
 $L = 311.84'$
 $T = 156.70'$
 $R = 1,273.24'$
 $DS = 50 MPH$
 $SE = 0.06$
 $RUNOFF = 132'$

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: UTILIZE SPECIAL STILLING BASINS AS NEEDED

-L-
 PI Sta 10+29.21
 $\Delta = 27^{\circ} 40' 56.8" (LT)$
 $D = 8^{\circ} 30' 00.0"$
 $L = 325.68'$
 $T = 166.08'$
 $R = 674.07'$
 $DS = 46 MPH$
 $SE = 0.06$
 $RUNOFF = 132'$

-L-
 PI Sta 17+94.56
 $\Delta = 10^{\circ} 24' 06.1" (LT)$
 $D = 4^{\circ} 44' 04.5"$
 $L = 219.70'$
 $T = 110.15'$
 $R = 1,210.16'$
 $DS = 50 MPH$
 $SE = 0.06$
 $RUNOFF = 132'$

48 x 23 x 3
 1.5 inch Skimmer
 with 0.875 inch
 Orifice Diameter
 15 ft. weir
 ID 4.2

42 x 21 x 3
 1.5 inch Skimmer
 with 0.750 inch
 Orifice Diameter
 13 ft. weir
 ID 4.1

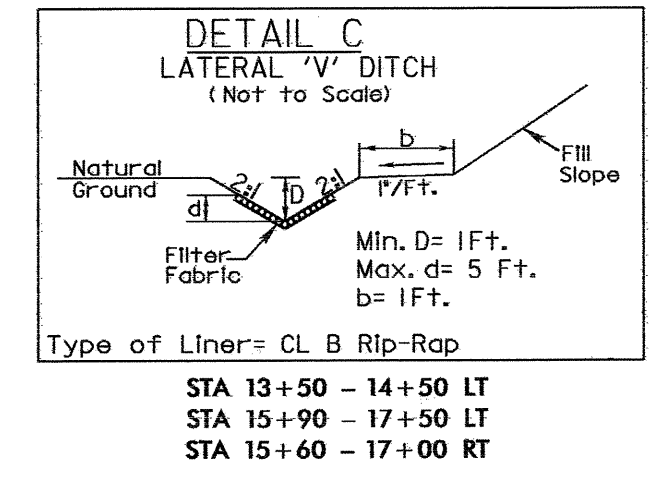
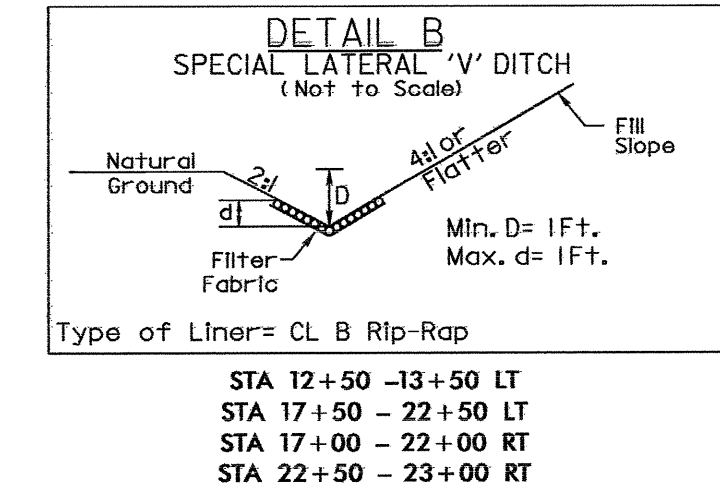
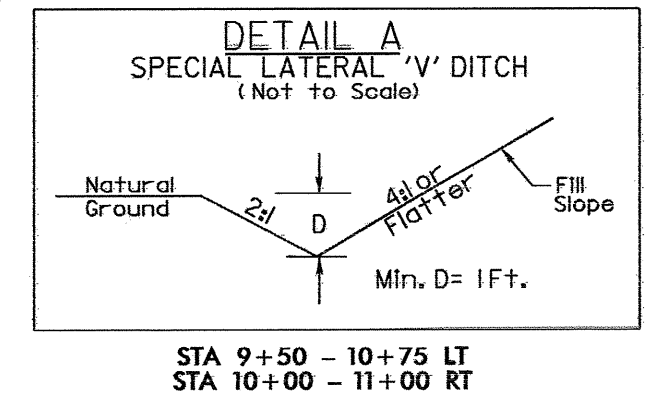
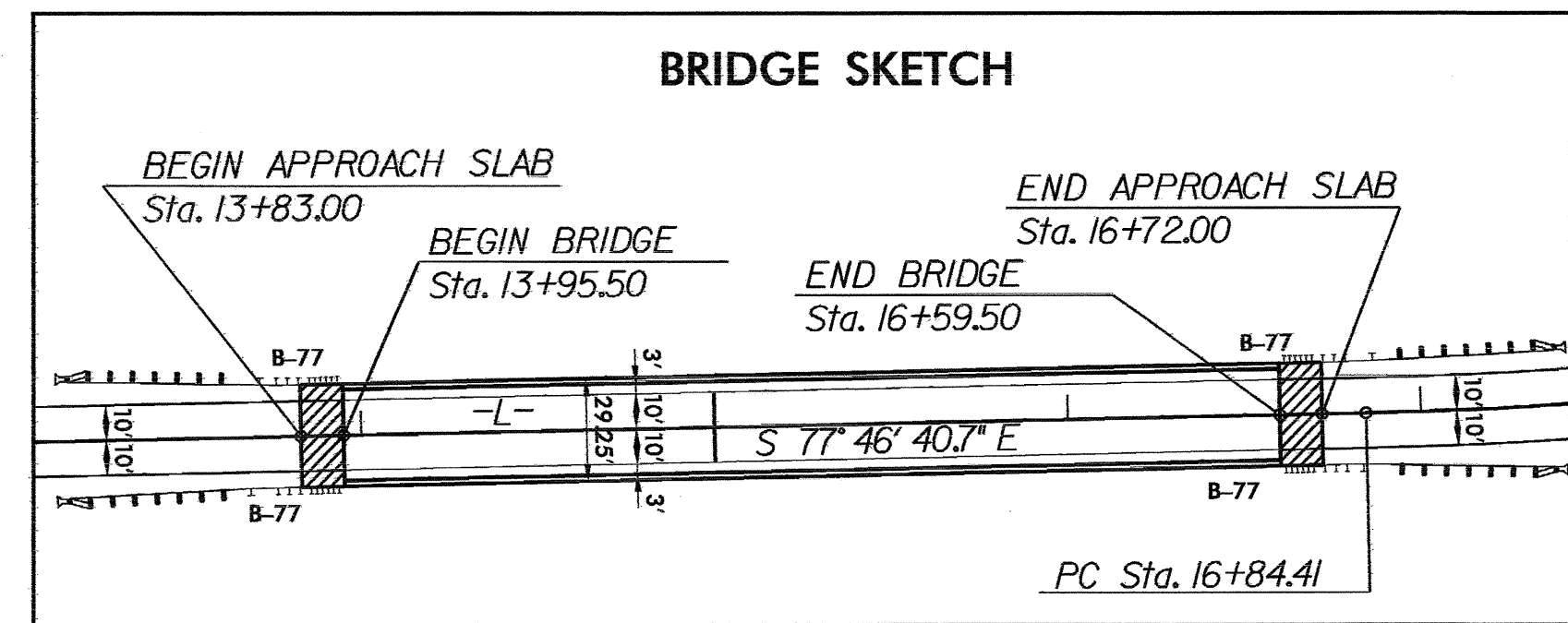
24 x 12 x 3
 4 ft. weir
 ID 4.4

25 x 12 x 3
 1.5 inch Skimmer
 with 1.5 inch
 Orifice Diameter
 4 ft. weir
 ID 4.5

42 x 20 x 3
 1.5 inch Skimmer
 with 0.750 inch
 Orifice Diameter
 12 ft. weir
 ID 4.3

BEGIN PROJECT B-3909
 -L- POC STA. 9+50.00

END PROJECT B-3909
 -L- POC STA. 23+00.00



REVISIONS

FILE: S:\FILES
 DATE: 8/24/05

PROJECT REFERENCE NO.	SHEET NO.
B-3909	EC-5/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 23+75.97
 $\Delta = 14^{\circ} 01' 57.9"$ (RT)
 $D = 4^{\circ} 30' 00.0"$
 $L = 311.84'$
 $T = 156.07'$
 $R = 1,273.24'$
 $DS = 50$ MPH
 $SE = 0.06$
 $RUNOFF = 132'$

NOTE:
 UTILIZE SPECIAL STILLING BASINS AS NEEDED

-L-
 PI Sta 10+29.21
 $\Delta = 27^{\circ} 40' 56.8"$ (LT)
 $D = 8^{\circ} 30' 00.0"$
 $L = 325.68'$
 $T = 166.08'$
 $R = 674.07'$
 $DS = 46$ MPH
 $SE = 0.06$
 $RUNOFF = 132'$

-L-
 PI Sta 17+94.56
 $\Delta = 10^{\circ} 24' 06.1"$ (LT)
 $D = 4^{\circ} 44' 04.5"$
 $L = 219.70'$
 $T = 110.15'$
 $R = 1,210.16'$
 $DS = 50$ MPH
 $SE = 0.06$
 $RUNOFF = 132'$

42 x 21 x 3
 1.5 inch Skimmer
 with 0.750 inch
 Orifice Diameter
 13 ft. weir
 ID 4.1

48 x 23 x 3
 1.5 inch Skimmer
 with 0.875 inch
 Orifice Diameter
 15 ft. weir
 ID 4.2

24 x 12 x 3
 4 ft. weir
 ID 4.4

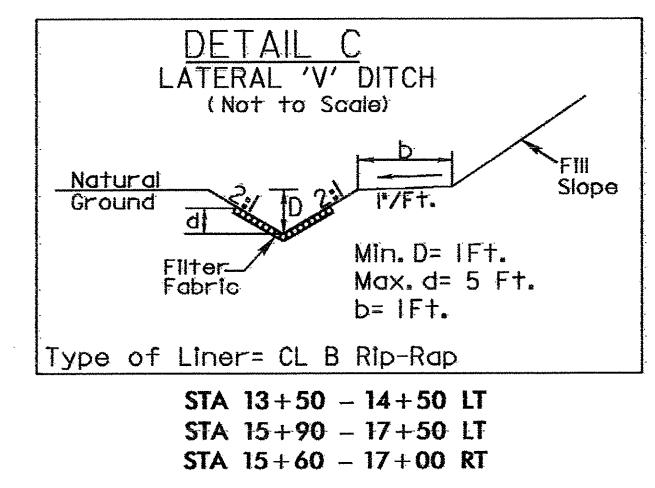
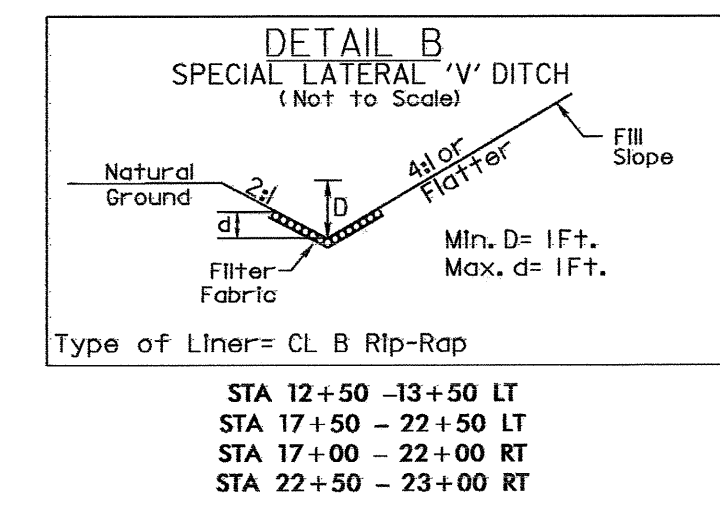
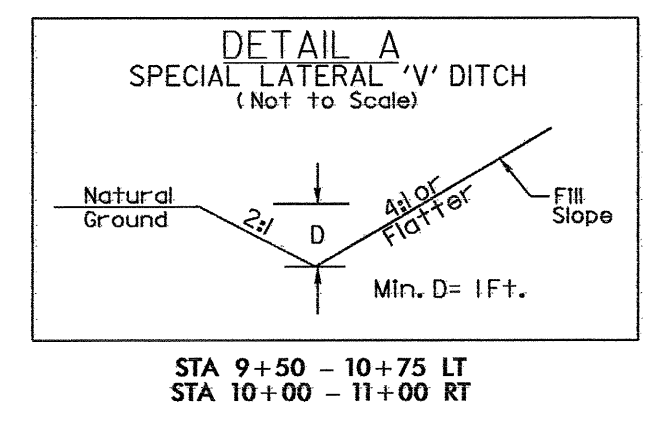
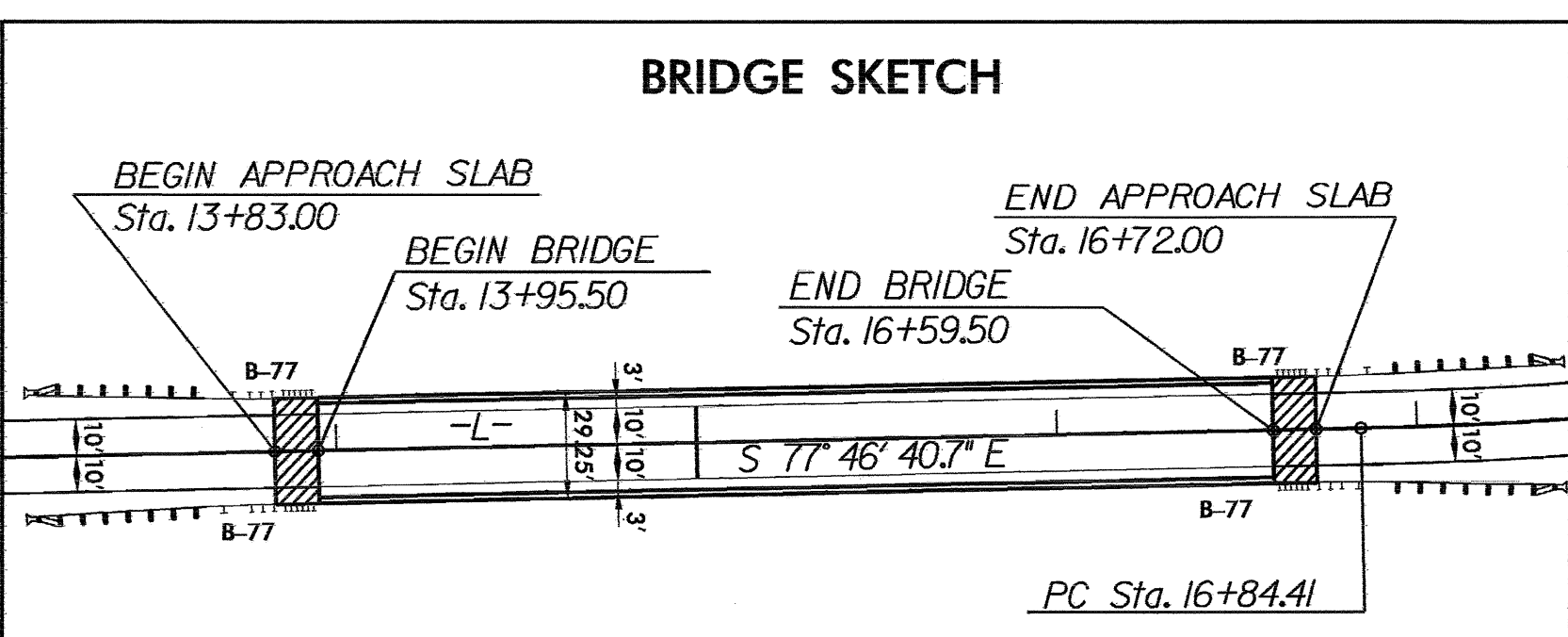
25 x 12 x 3
 1.5 inch Skimmer
 with 1.5 inch
 Orifice Diameter
 4 ft. weir
 ID 4.5

42 x 20 x 3
 1.5 inch Skimmer
 with 0.750 inch
 Orifice Diameter
 12 ft. weir
 ID 4.3

Place Matting for Erosion Control
 on Slope as Work Allows.

Place Matting for Erosion Control
 on Slope as Work Allows.

Place Matting for Erosion Control
 on Slope as Work Allows.



REVISIONS

FILE, SHEET, DATE, SIZES

