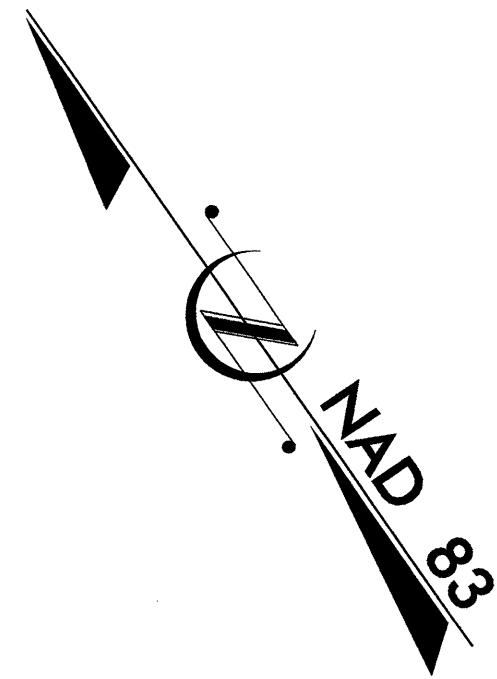


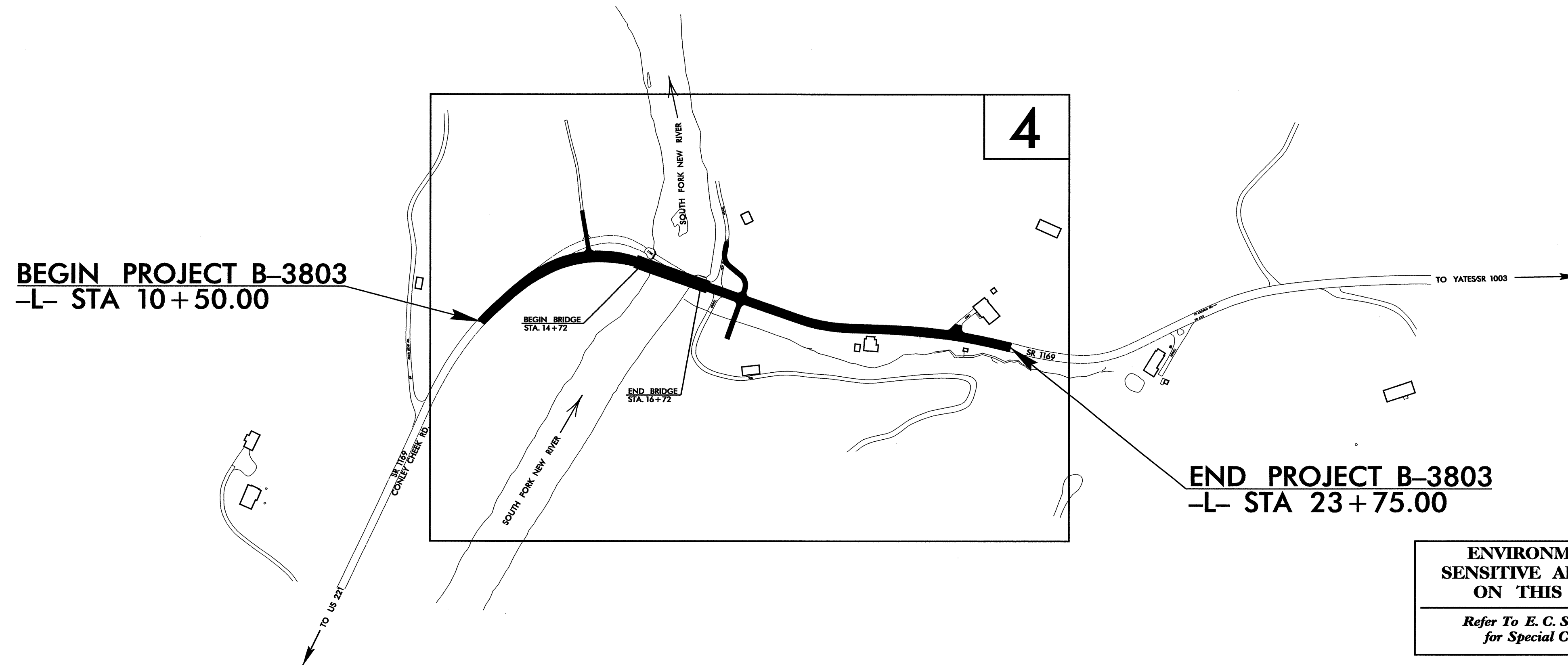
TIP PROJECT: B-3803



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

LOCATION: BRIDGE NO. 334 OVER THE SOUTH FORK NEW RIVER ON SR 1169 (CONLEY CHEEK RD)

TYPE OF WORK: GRADING, DRAINAGE, PAVING, & STRUCTURE



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3803	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Sed. #	Description	Symbol
	Streambank Reforestation.....	
1630.05	Temporary Silt Ditch.....	
1630.05	Temporary Diversion.....	
1605.01	Temporary Silt Fence.....	
1606.01	Special Sediment Control Fence.....	
1622.01	Temporary Berms and Slope Drains.....	
1630.01	Riser Basin.....	
1630.02	Silt Basin Type B.....	
1633.01	Temporary Rock Silt Check Type-A.....	
	Temporary Rock Silt Check Type-B.....	
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.....	
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	
1632.02	Type B.....	
1632.03	Type C.....	
	Skimmer Basin.....	
	Tiered Skimmer Basin.....	
	Infiltration Basin.....	

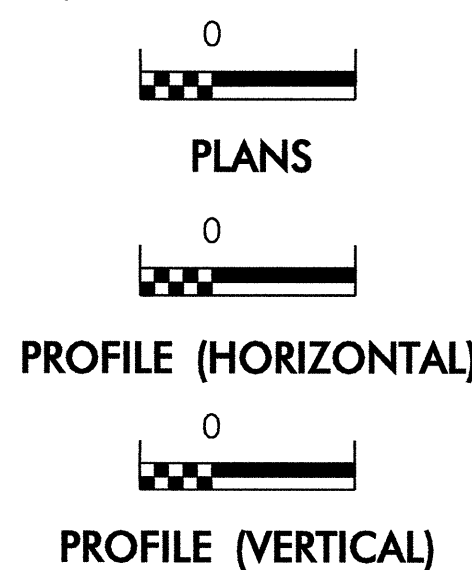
THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

HIGH QUALITY WATER(S) EXIST ON THIS PROJECT
High Quality Water Zone(s) Exist From Sta. 10+50 to Sta. 23+75 Refer To E. C. Special Provisions for Special Considerations.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT
Refer To E. C. Special Provisions for Special Considerations.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

GRAPHIC SCALE



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

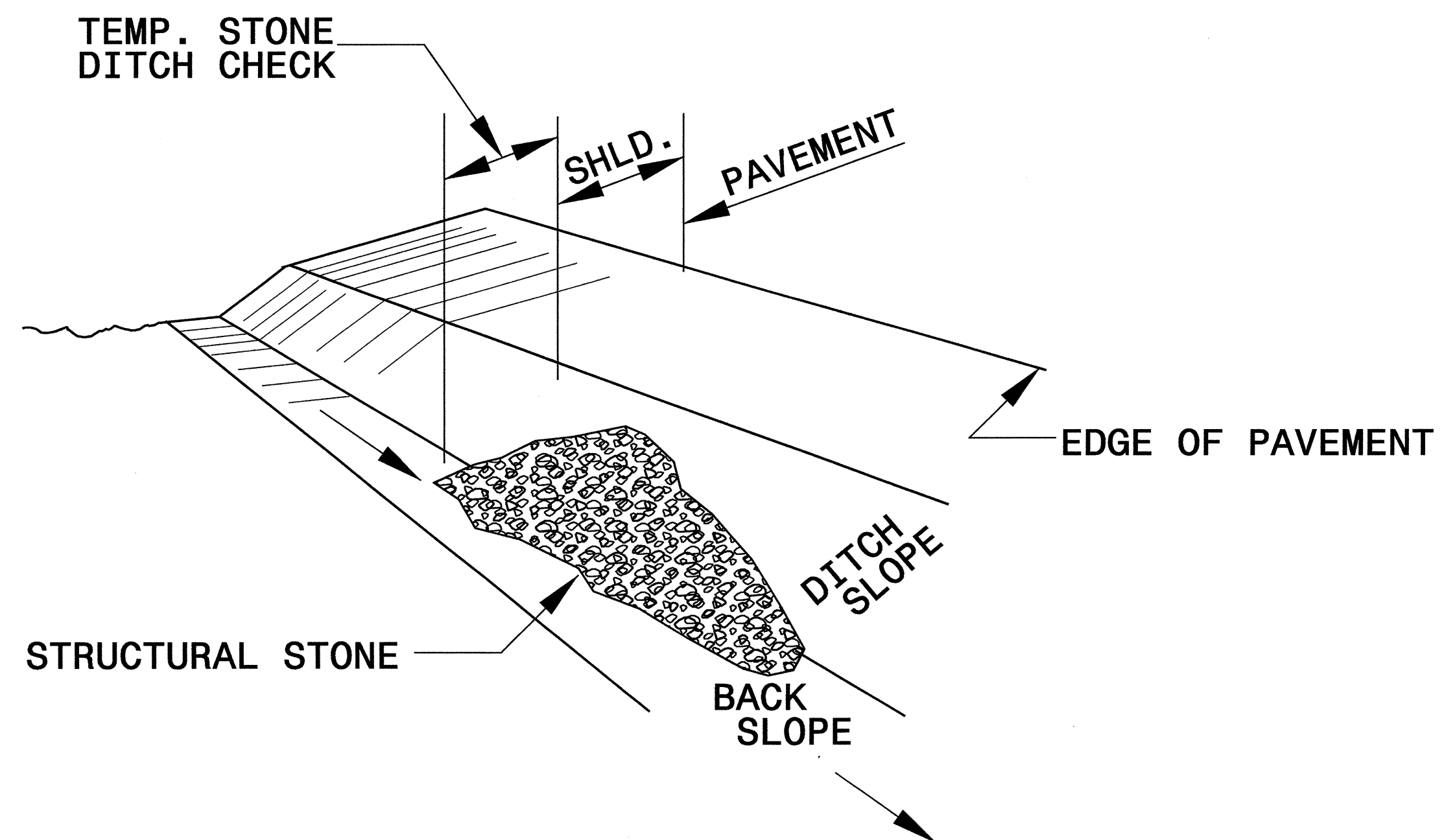
Roadway Standard Drawings

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
- 1607.01 Gravel Construction Entrance
- 1630.03 Temporary Silt Ditch
- 1630.05 Temporary Diversion
- 1630.06 Special Stilling Basin
- 1632.03 Rock Inlet Sediment Trap Type C
- 1633.01 Temporary Rock Silt Check Type A
- 1634.02 Temporary Rock Sediment Dam Type B
- 1635.02 Rock Pipe Inlet Sediment Trap Type B

PROJECT REFERENCE NO. <i>B-3803</i>	SHEET NO. <i>EC-2</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

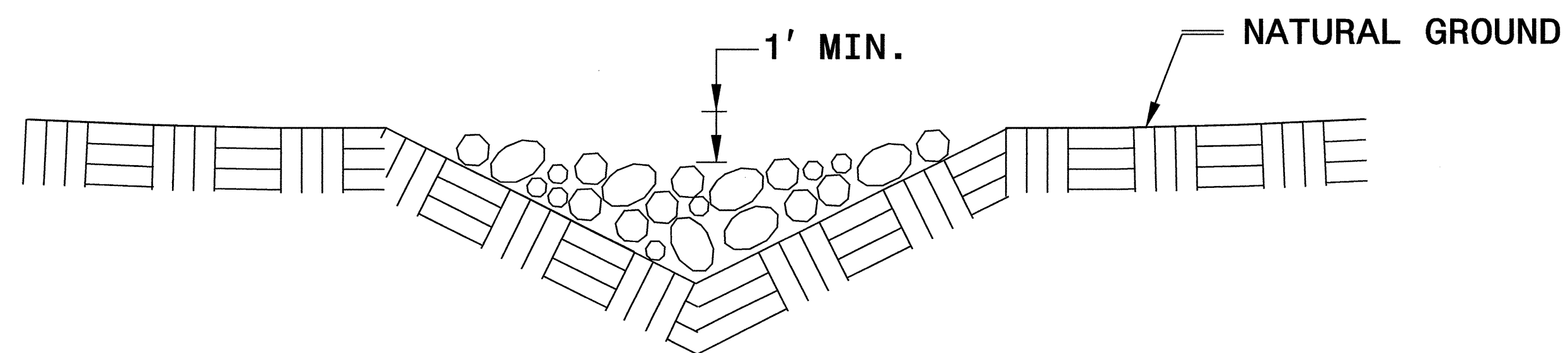


ISOMETRIC VIEW

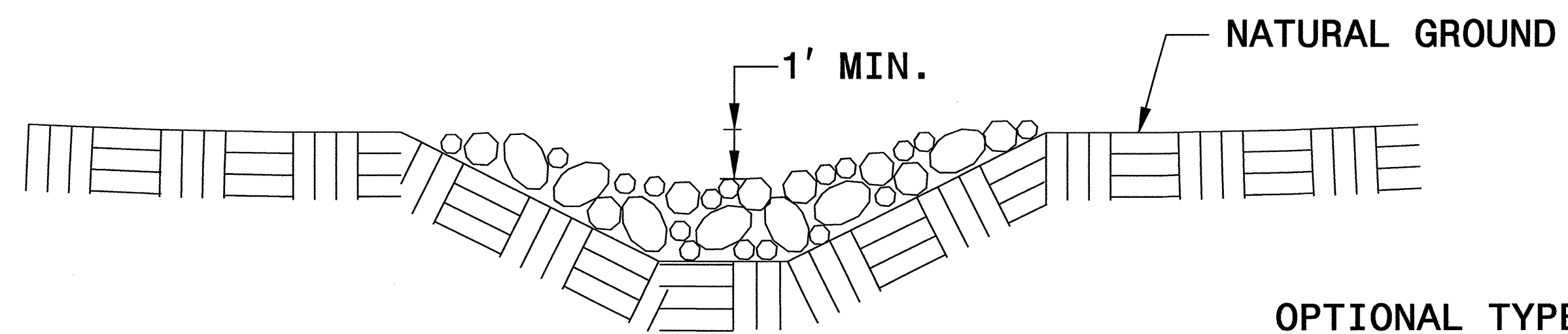
NOTES:

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

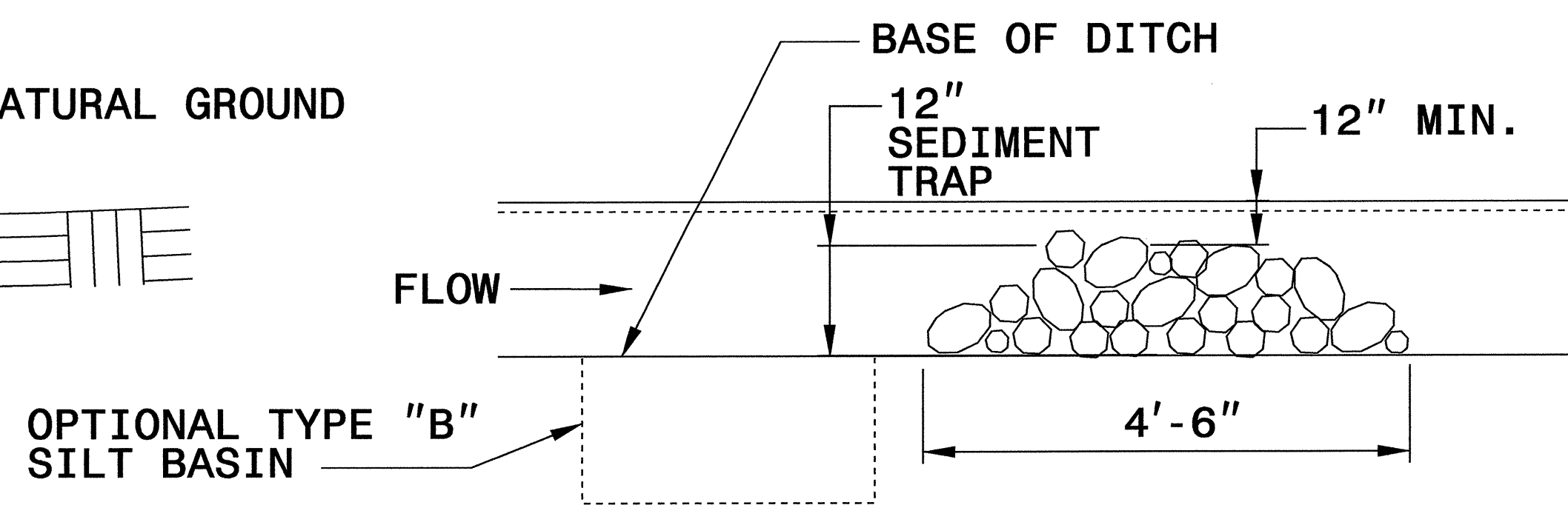
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



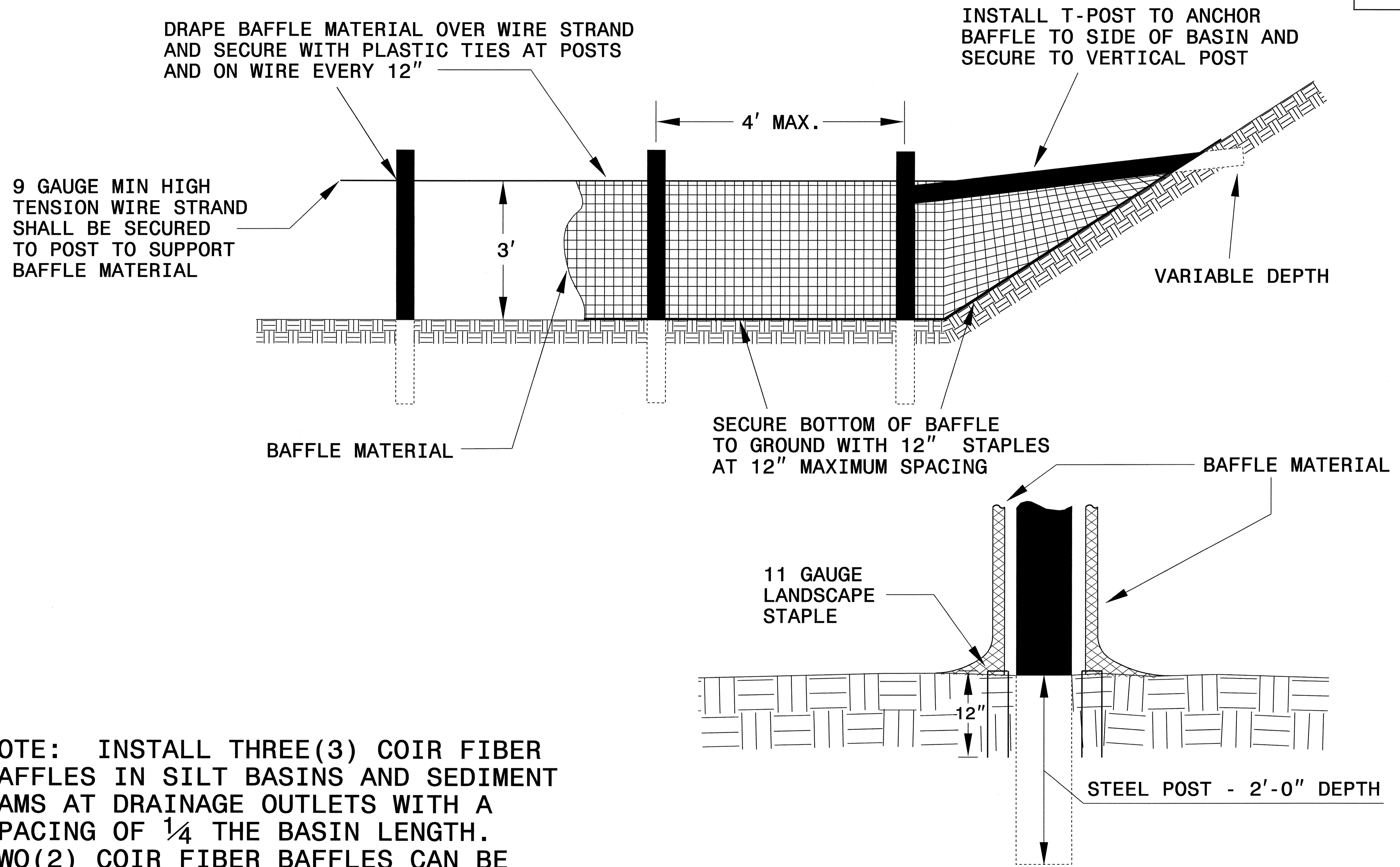
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. B-3803	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL

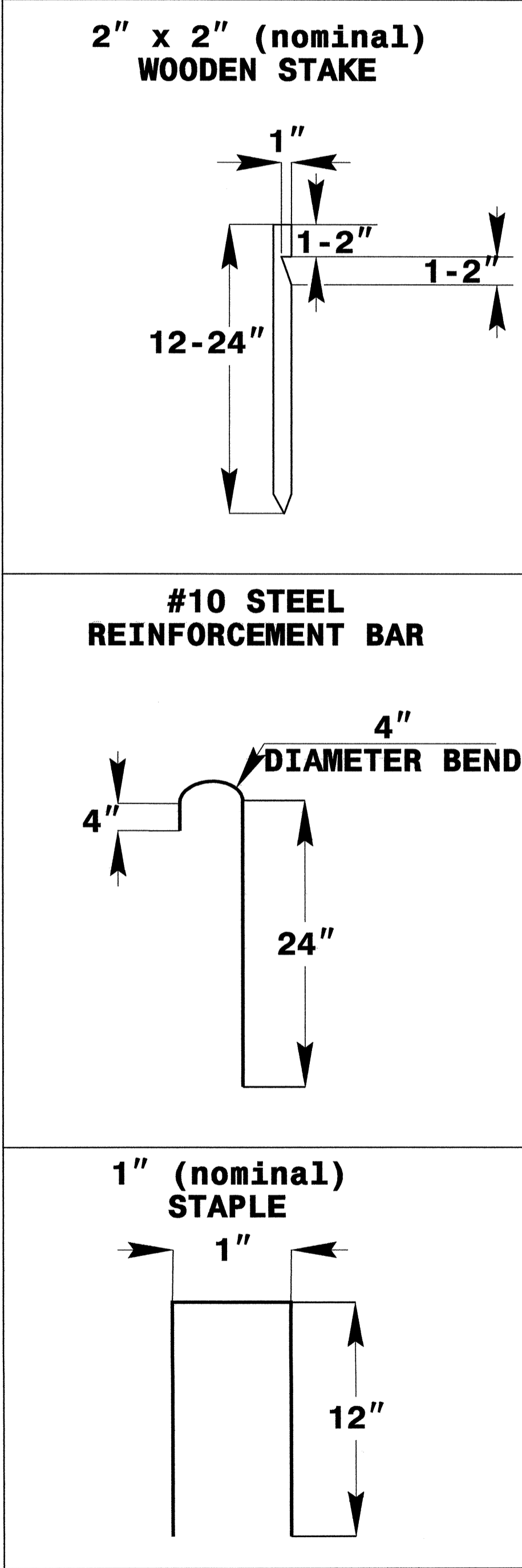
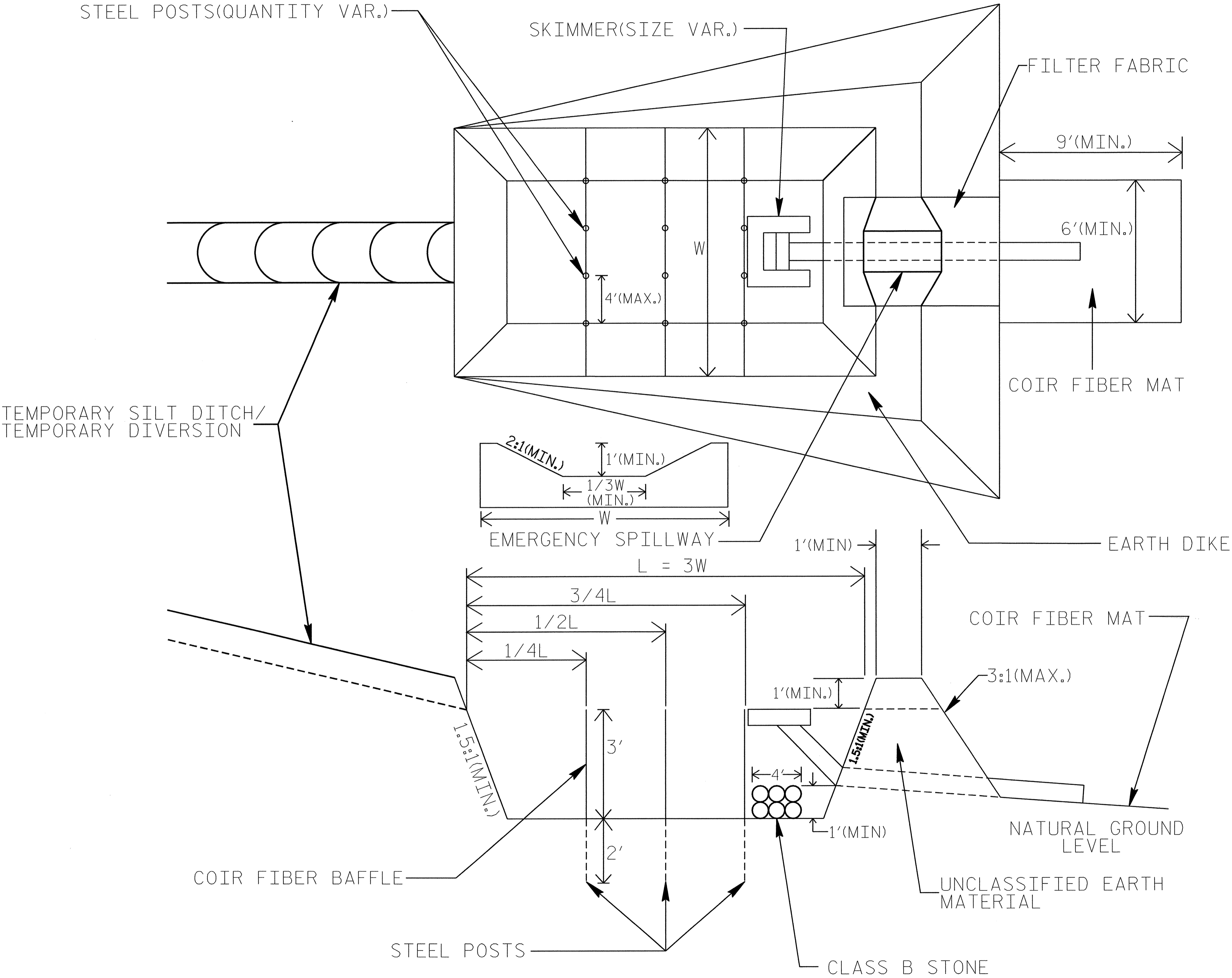


NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.

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-3803	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

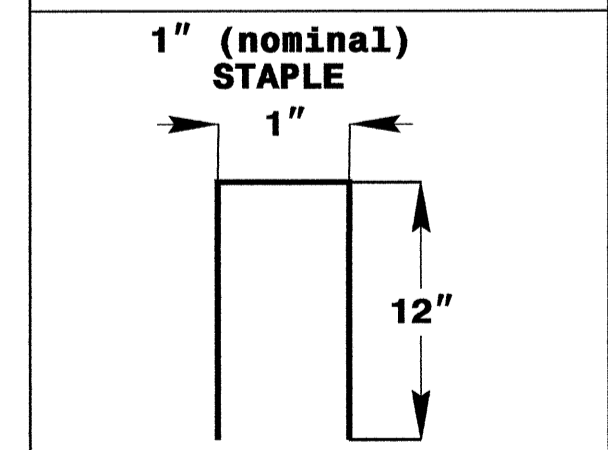
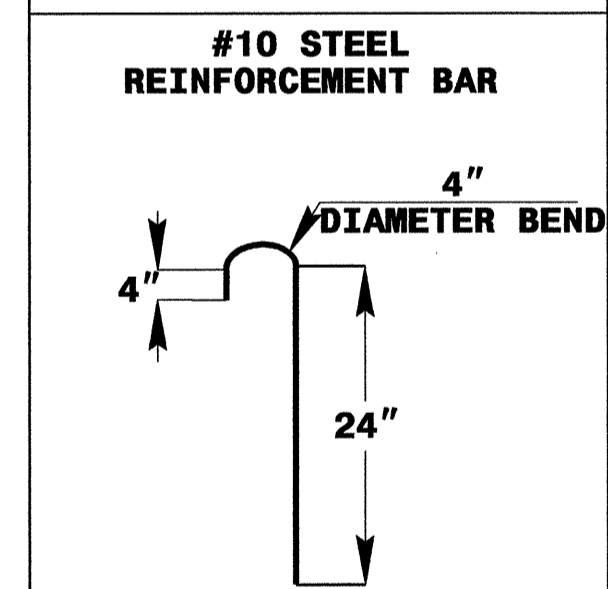
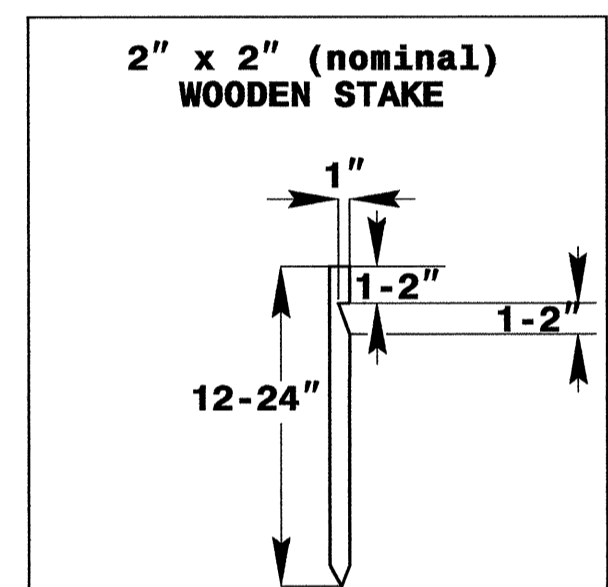
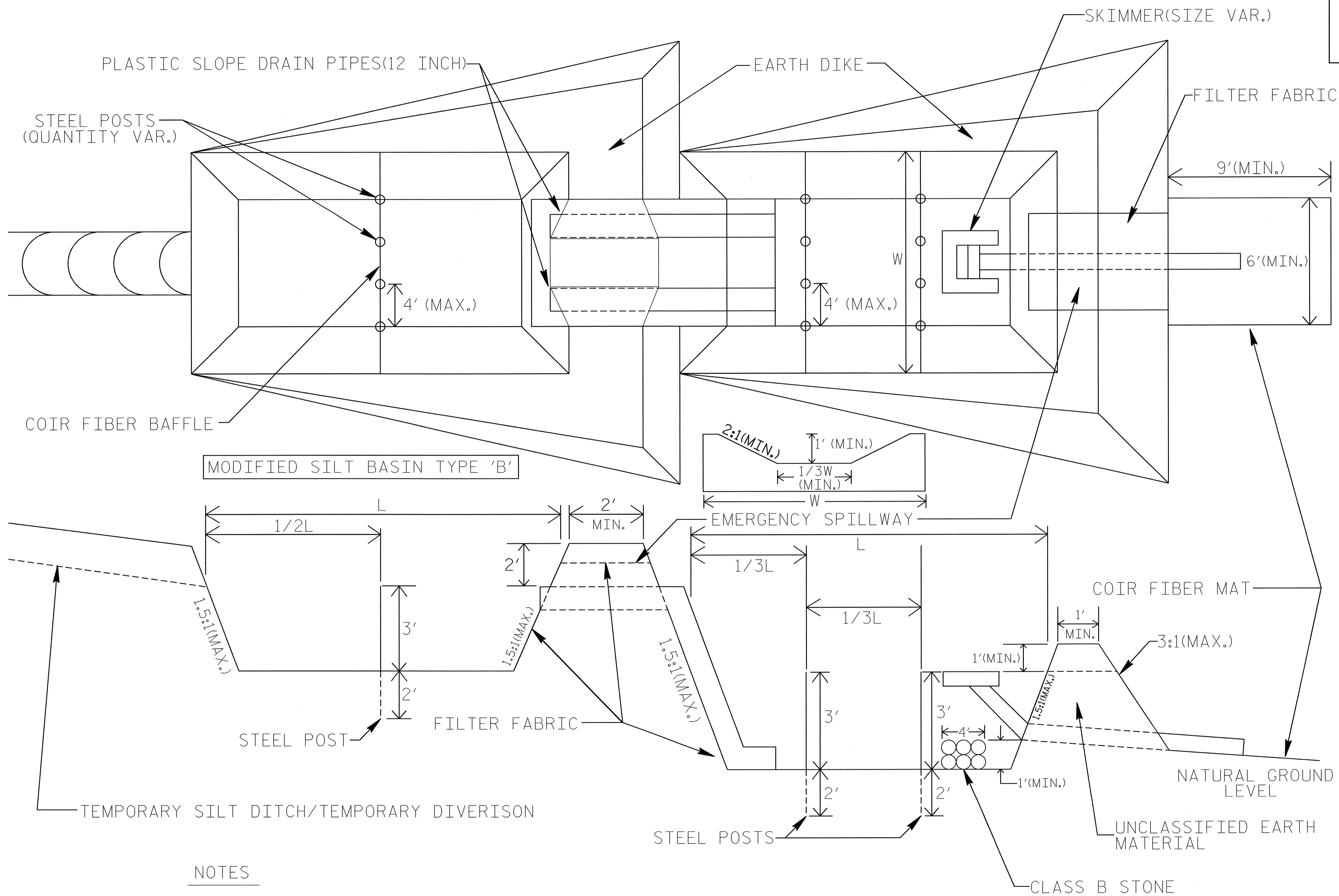


COIR FIBER MAT ANCHOR OPTIONS

- NOTES:
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON SIDESLOPES.
 2. LIMIT EARTH DIKE HEIGHT TO 5 FT.

TIERED SKIMMER BASIN DETAIL

PROJECT REFERENCE NO. B-3803	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



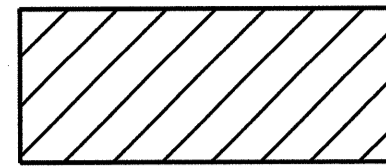
COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON 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.

8/17/99

NOTE: UTILIZE SPECIAL STILLING BASIN OR SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

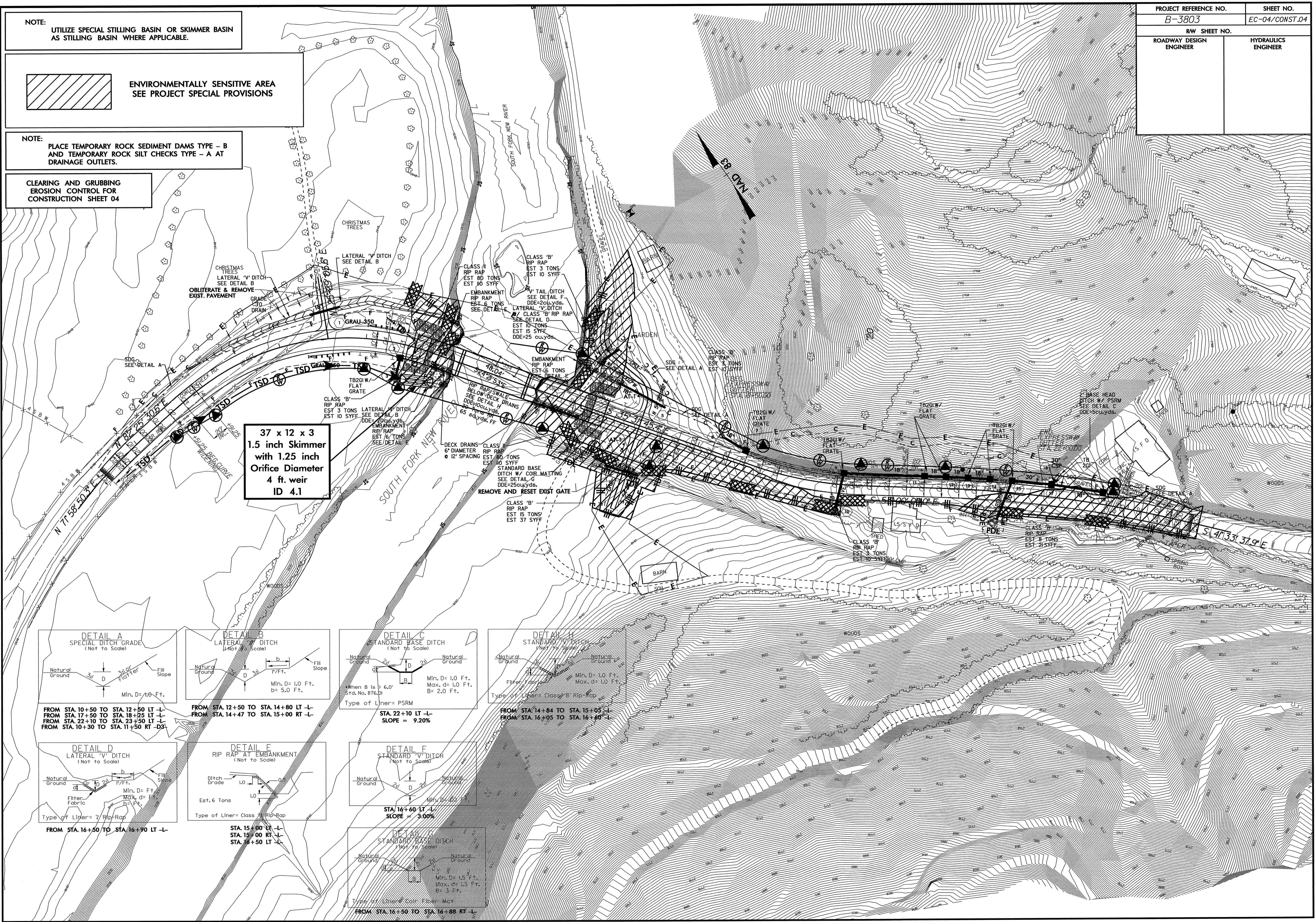


ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

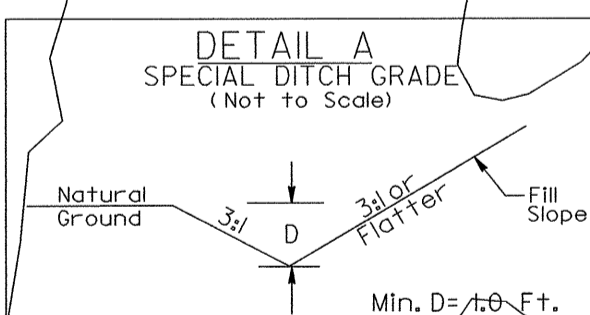
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04

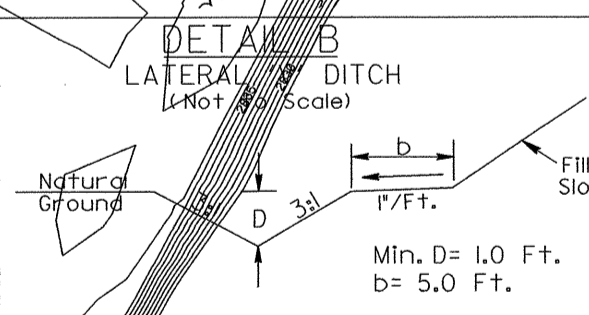
PROJECT REFERENCE NO. B-3803	SHEET NO. EC-04/CONST.04
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



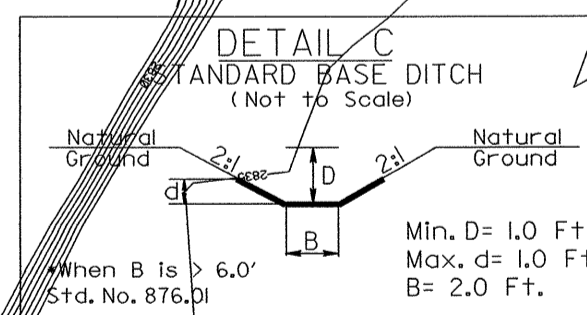
37 x 12 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
4 ft. weir
ID 4.1



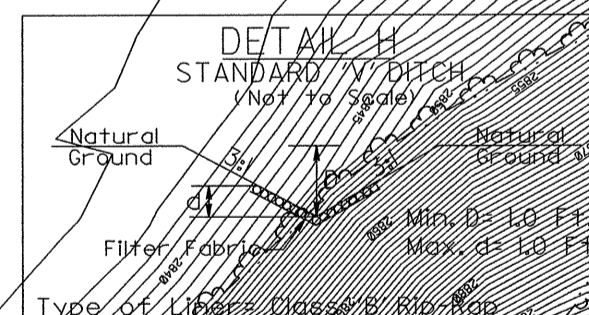
FROM STA. 10+50 TO STA. 12+50 LT-L
FROM STA. 17+50 TO STA. 18+25 LT-L
FROM STA. 22+10 TO STA. 23+50 LT-L
FROM STA. 10+30 TO STA. 11+50 RT-D3



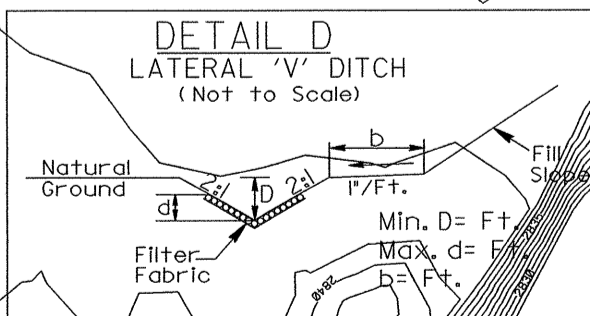
FROM STA. 12+50 TO STA. 14+80 LT-L
FROM STA. 14+47 TO STA. 15+00 RT-L



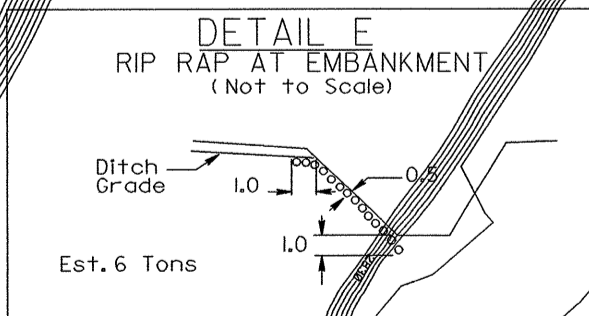
FROM STA. 22+10 LT-L
SLOPE = 9.20%



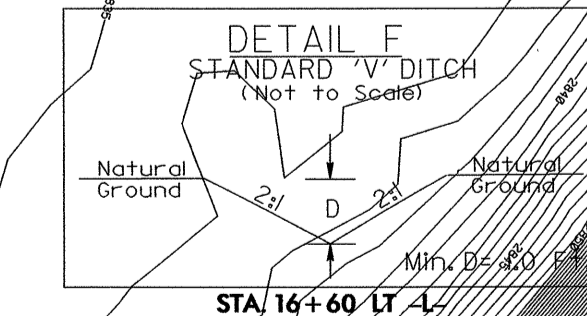
FROM STA. 14+84 TO STA. 15+05 L
FROM STA. 16+05 TO STA. 16+80 L



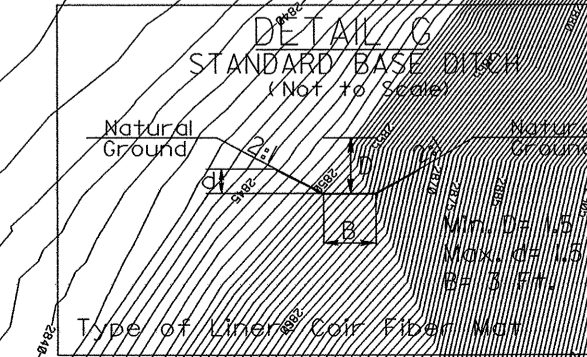
FROM STA. 16+50 TO STA. 16+90 LT-L



STA. 15+80 LT-L
STA. 15+00 RT-L
STA. 16+50 LT-L



STA. 16+60 LT-L
SLOPE = 3.00%



FROM STA. 16+50 TO STA. 16+88 RT-L

8/17/99

NOTE: UTILIZE SPECIAL STILLING BASIN OR SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

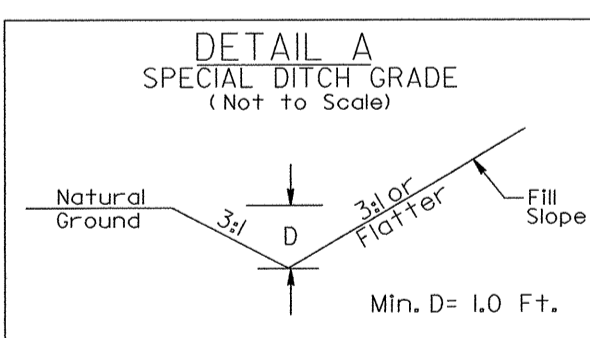
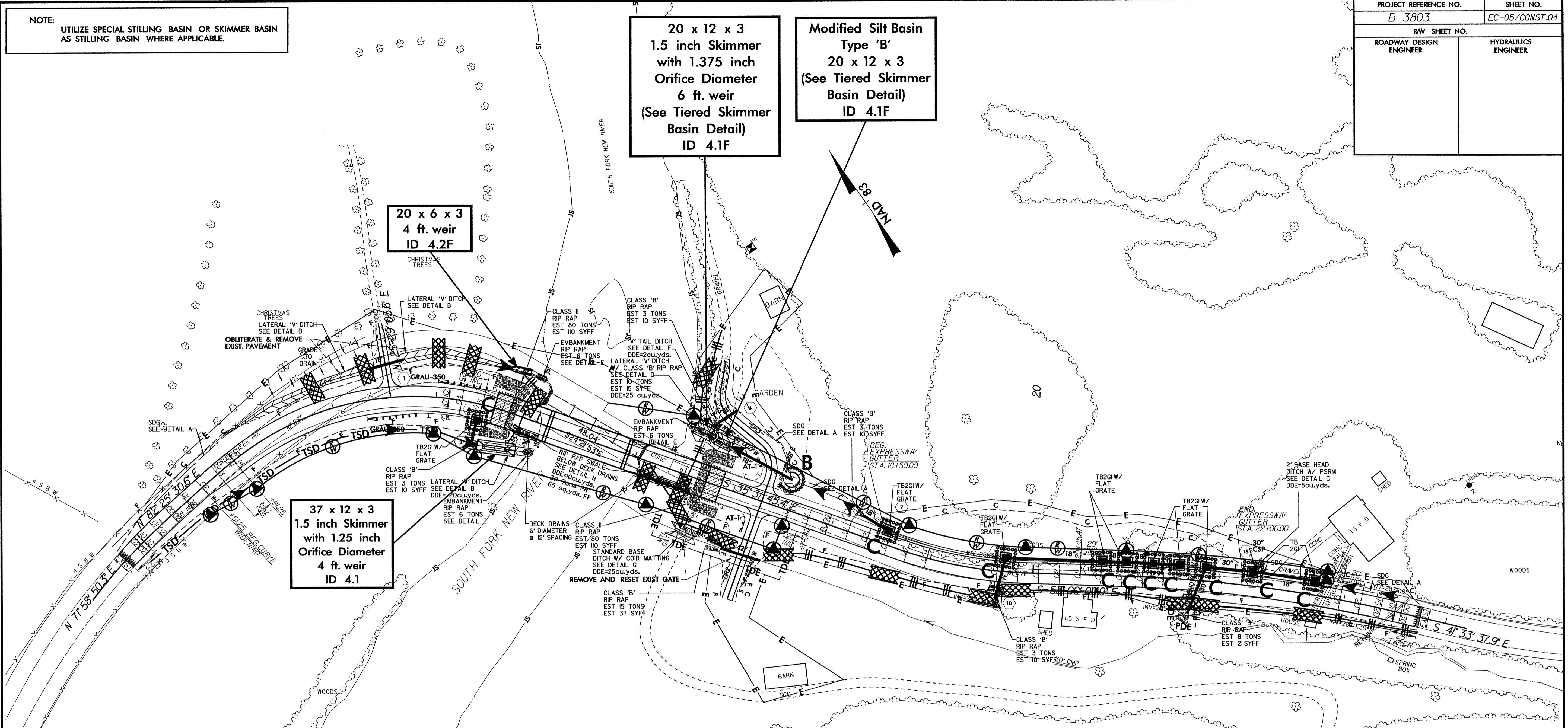
PROJECT REFERENCE NO. B-3803	SHEET NO. EC-05/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

20 x 12 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 4.1F

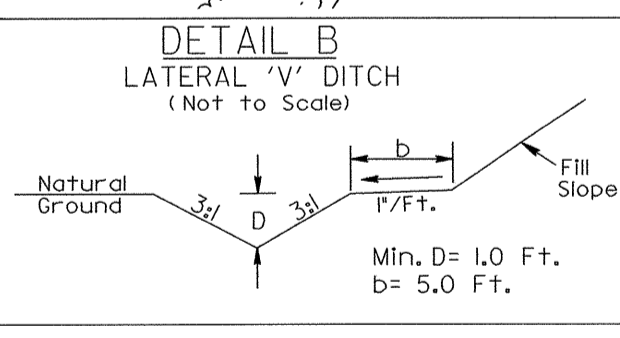
Modified Silt Basin
Type 'B'
20 x 12 x 3
(See Tiered Skimmer
Basin Detail)
ID 4.1F

20 x 6 x 3
4 ft. weir
ID 4.2F

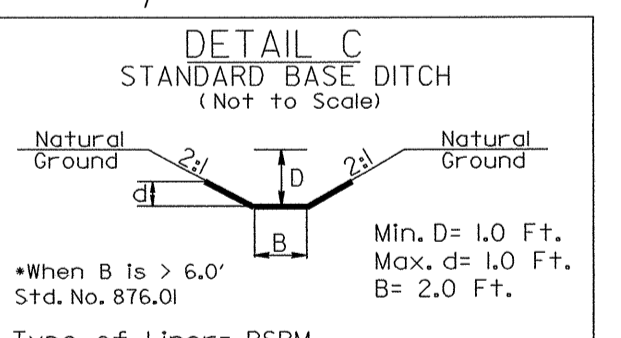
37 x 12 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
4 ft. weir
ID 4.1



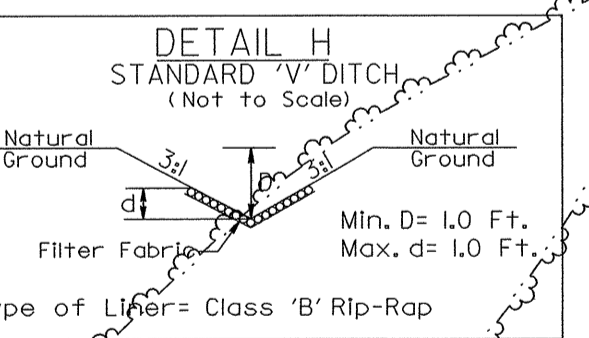
FROM STA. 10+50 TO STA. 12+50 LT-L-
FROM STA. 17+50 TO STA. 18+25 LT-L-
FROM STA. 22+10 TO STA. 23+50 LT-L-
FROM STA. 10+30 TO STA. 11+50 RT-D3-



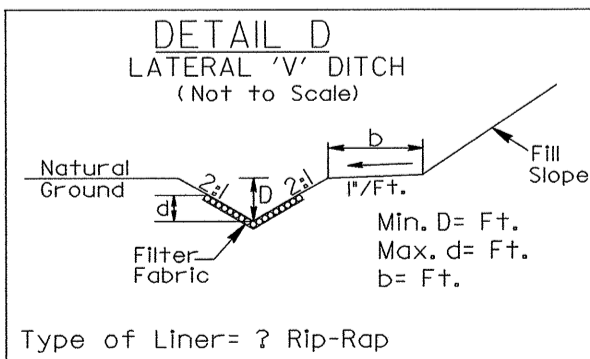
FROM STA. 12+50 TO STA. 14+80 LT-L-
FROM STA. 14+47 TO STA. 15+00 RT-L-



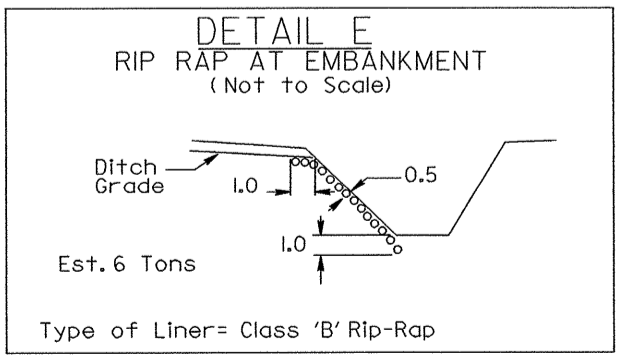
STA. 22+10 LT-L-
SLOPE = 9.20%



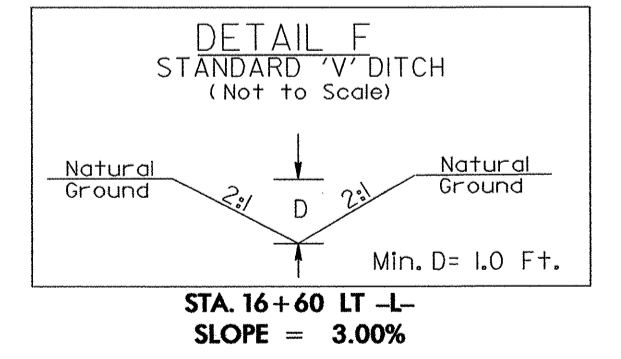
FROM STA. 14+84 TO STA. 15+05 LT-L-
FROM STA. 16+05 TO STA. 16+80 LT-L-



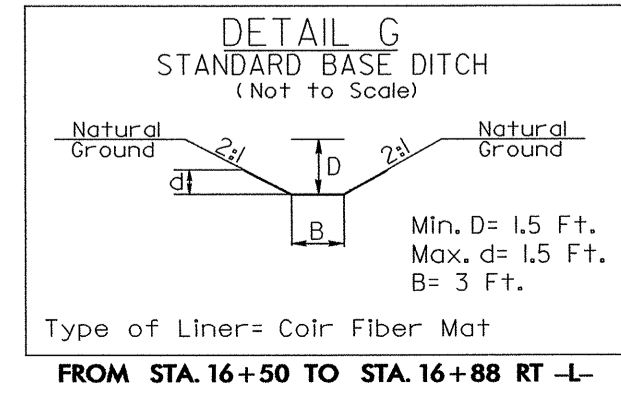
FROM STA. 16+50 TO STA. 16+90 LT-L-



STA. 15+00 LT-L-
STA. 15+00 RT-L-
STA. 16+50 LT-L-



STA. 16+60 LT-L-
SLOPE = 3.00%



FROM STA. 16+50 TO STA. 16+88 RT-L-