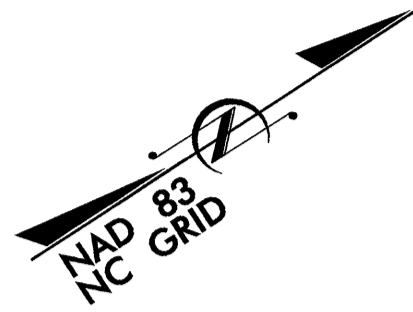


TIP PROJECT: B-3814

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

LOCATION: BRIDGE NO. 56 OVER CANOE CREEK ON SR 1250
TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURES.

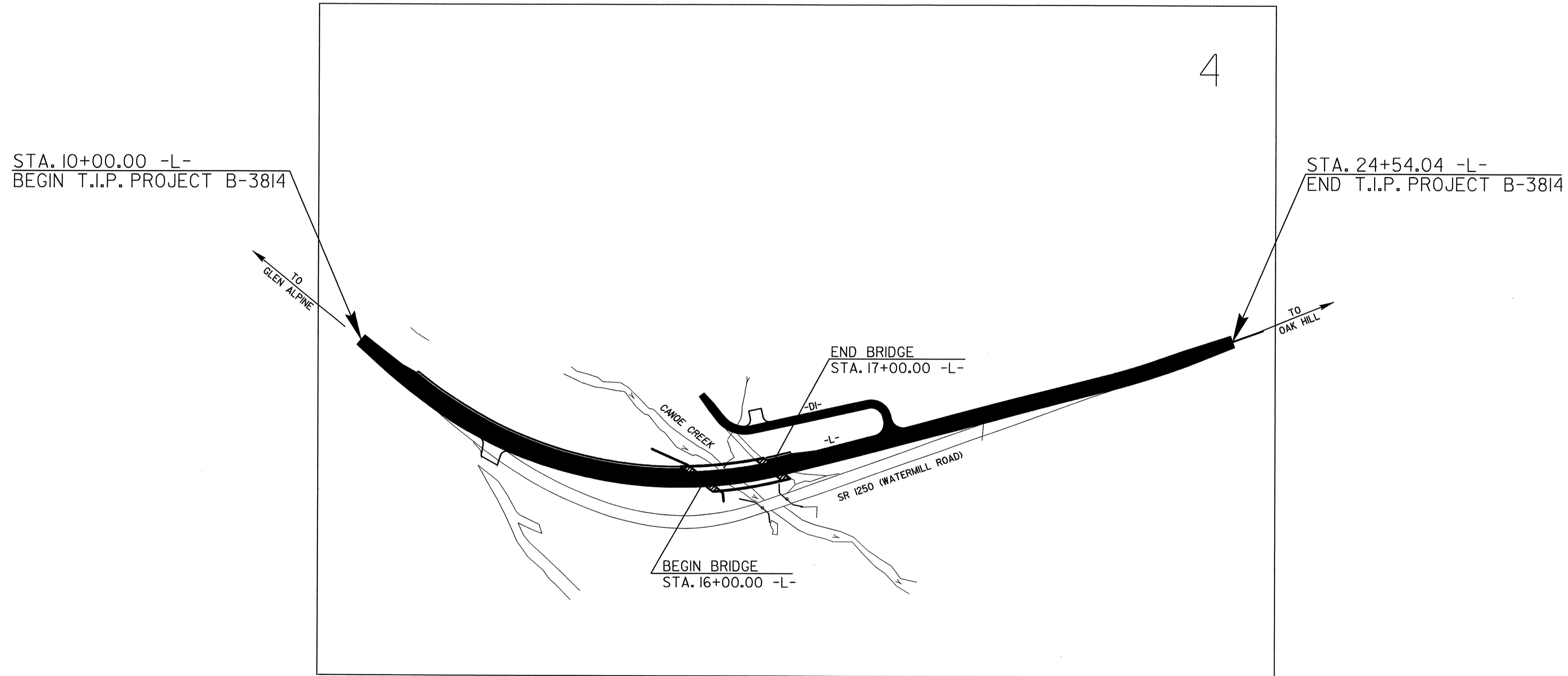


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3814	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

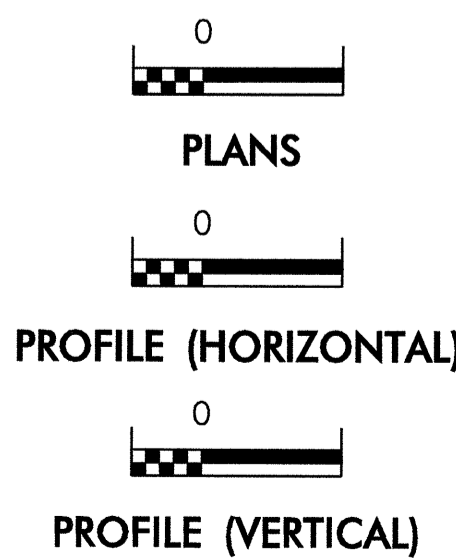
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.03	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.....	

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



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

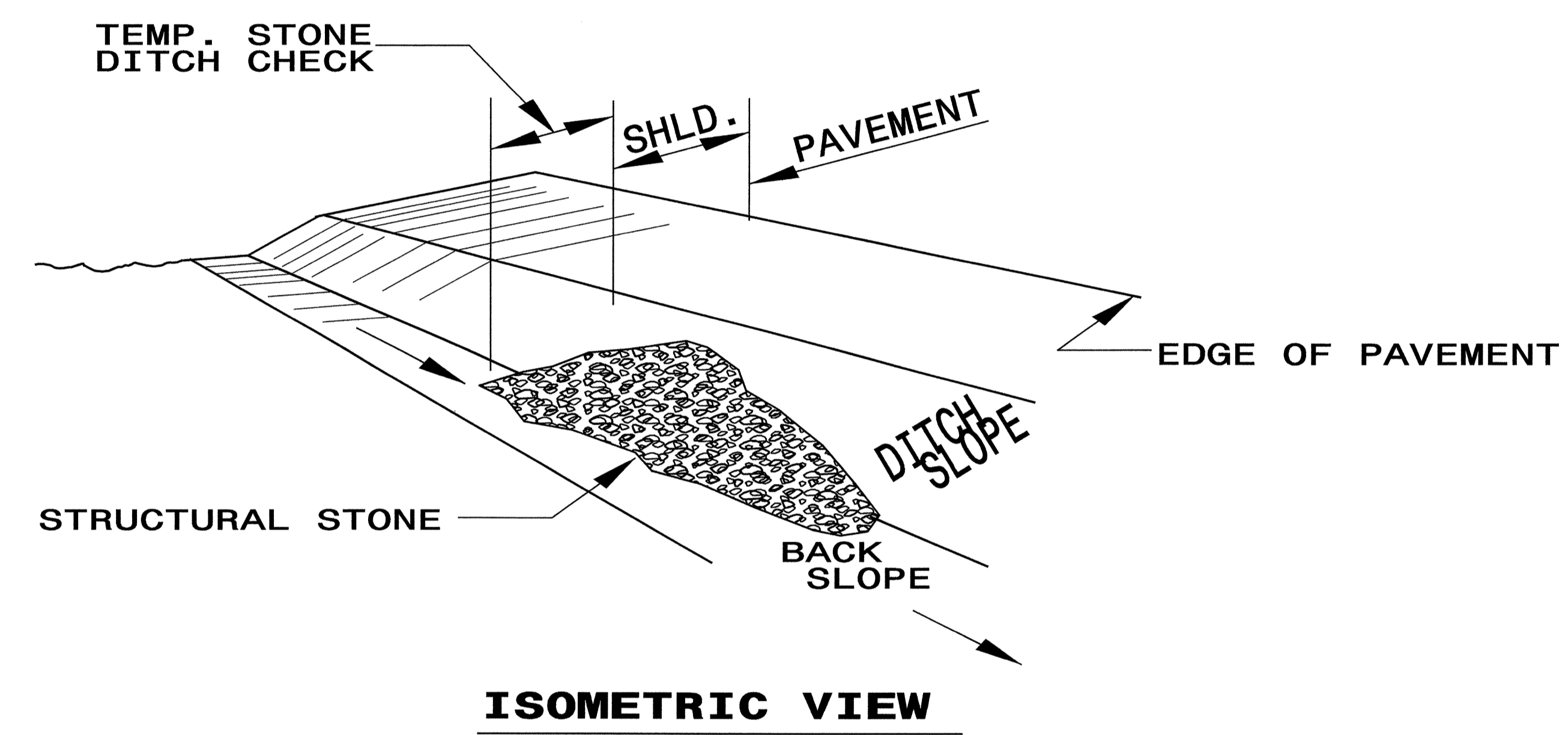
Roadway Standard Drawings

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 | 1632.03 Rock Inlet Sediment Trap Type C |
| 1607.01 Gravel Construction Entrance | 1633.01 Temporary Rock Silt Check Type A |
| 1622.01 Temporary Berms and Slope Drains | 1634.02 Temporary Rock Sediment Dam Type B |
| 1630.02 Silt Basin Type B | 1635.01 Rock Pipe Inlet Sediment Trap Type A |
| 1630.03 Temporary Silt Ditch | 1635.02 Rock Pipe Inlet Sediment Trap Type B |
| 1630.05 Temporary Diversion | |

PROJECT REFERENCE NO. B-3814	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

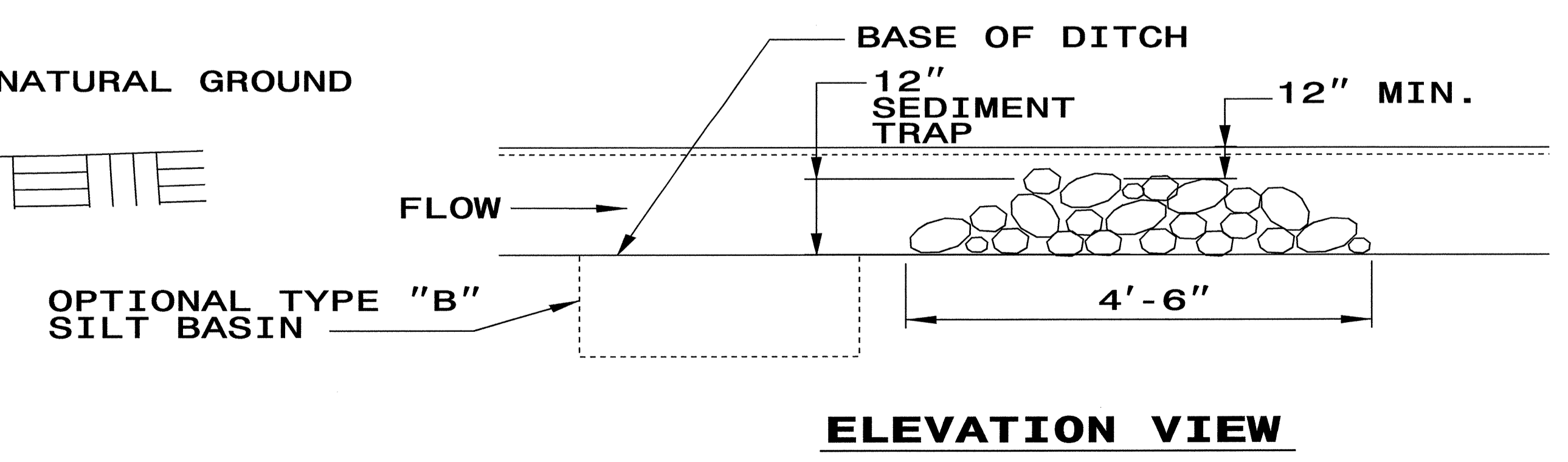
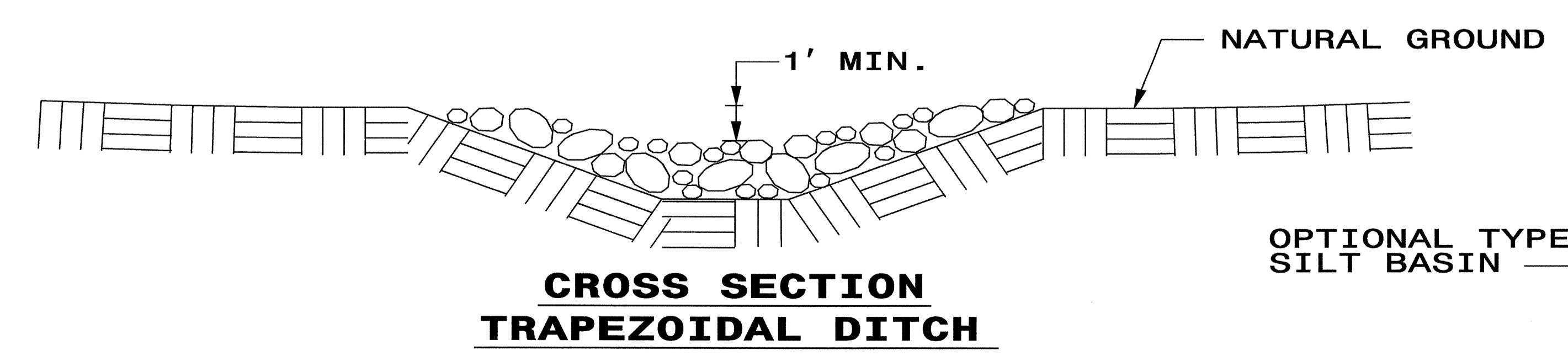
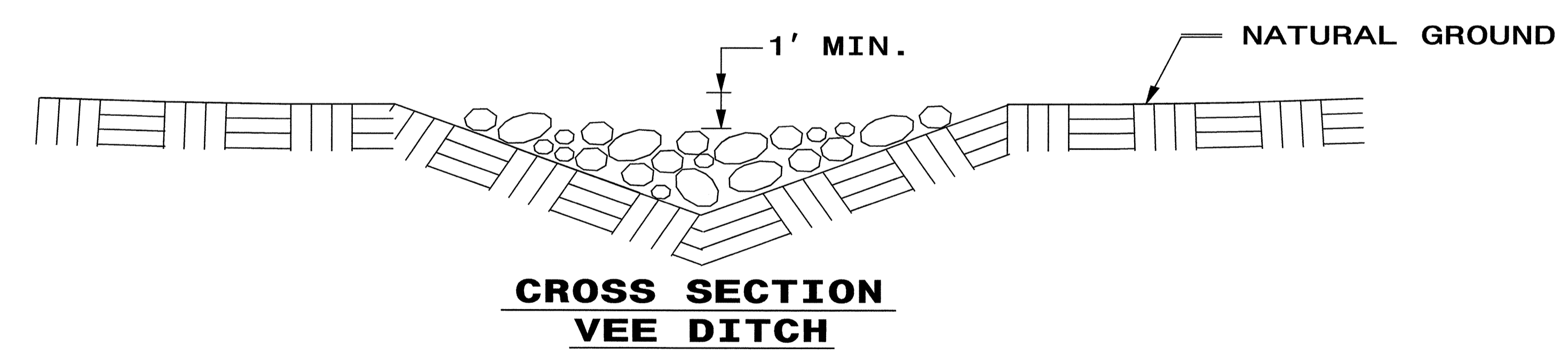
TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL



NOTES:

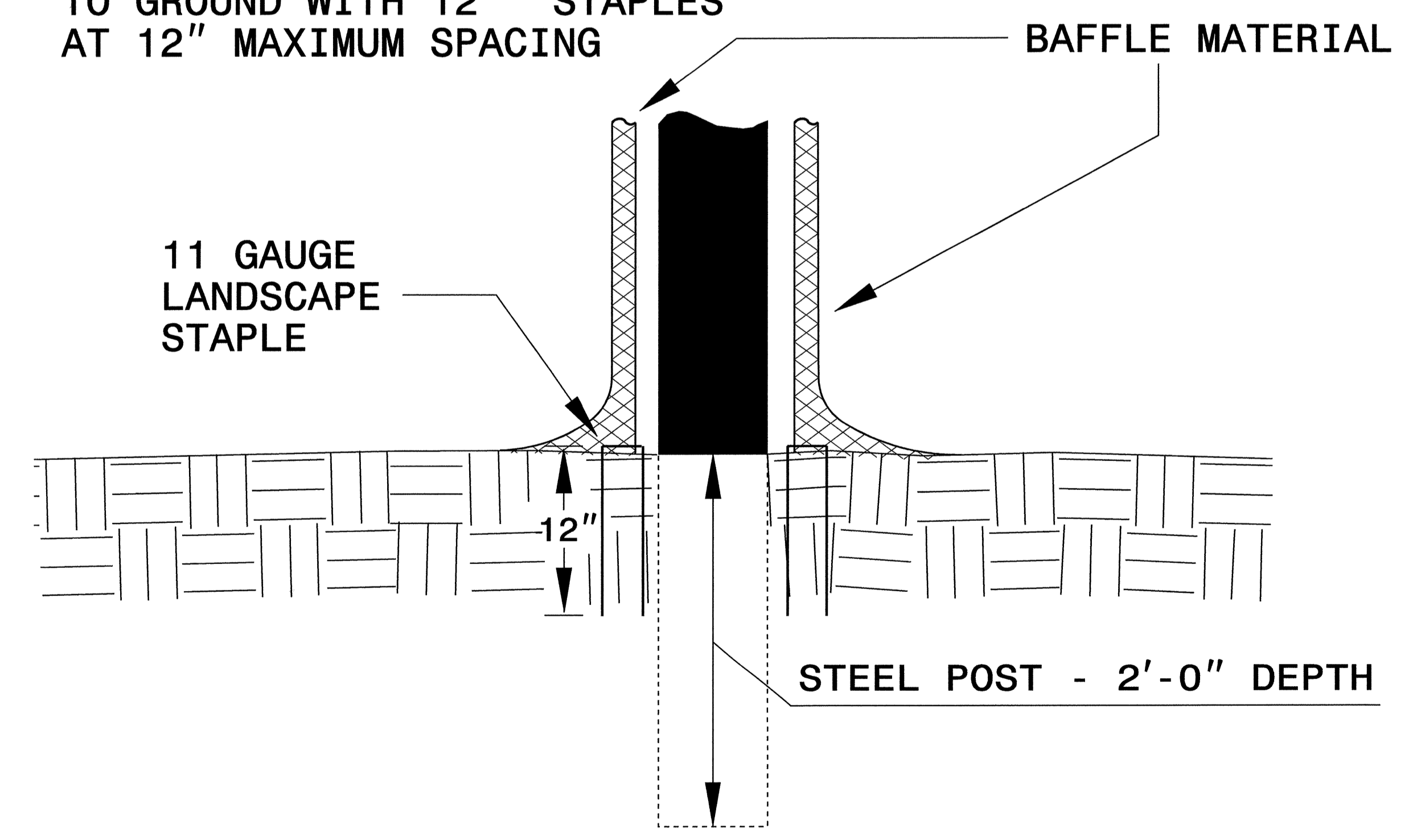
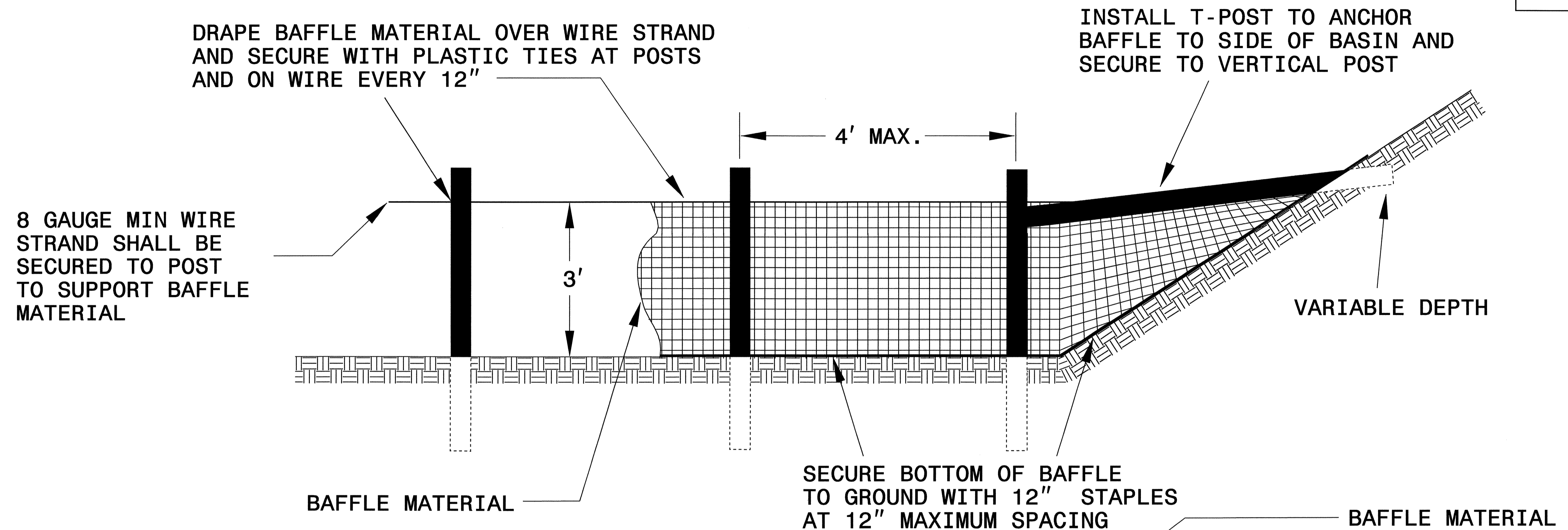
USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

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%.



PROJECT REFERENCE NO. B-3814	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL

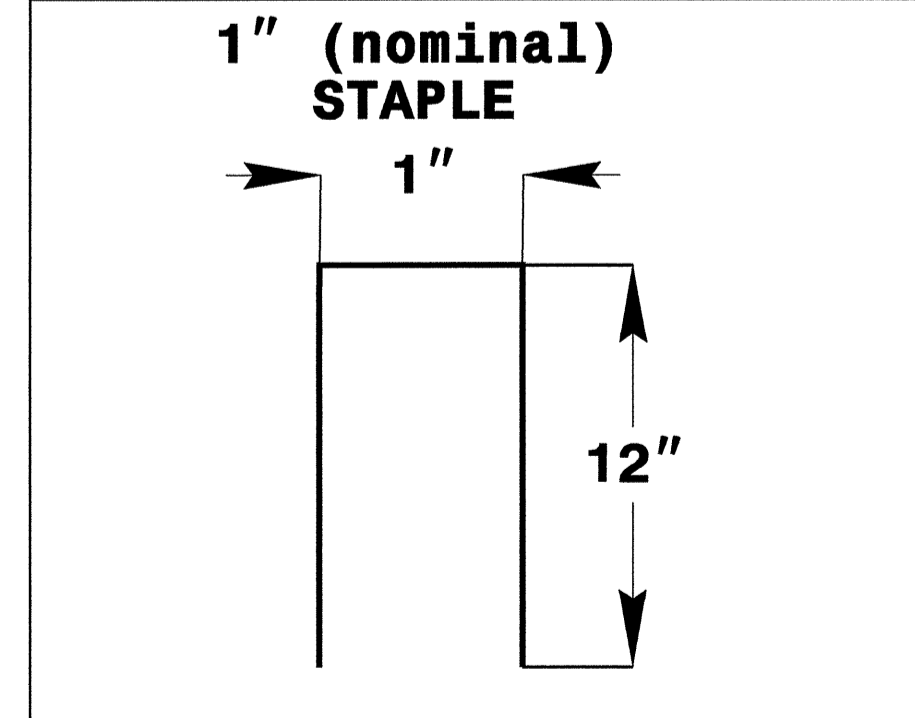
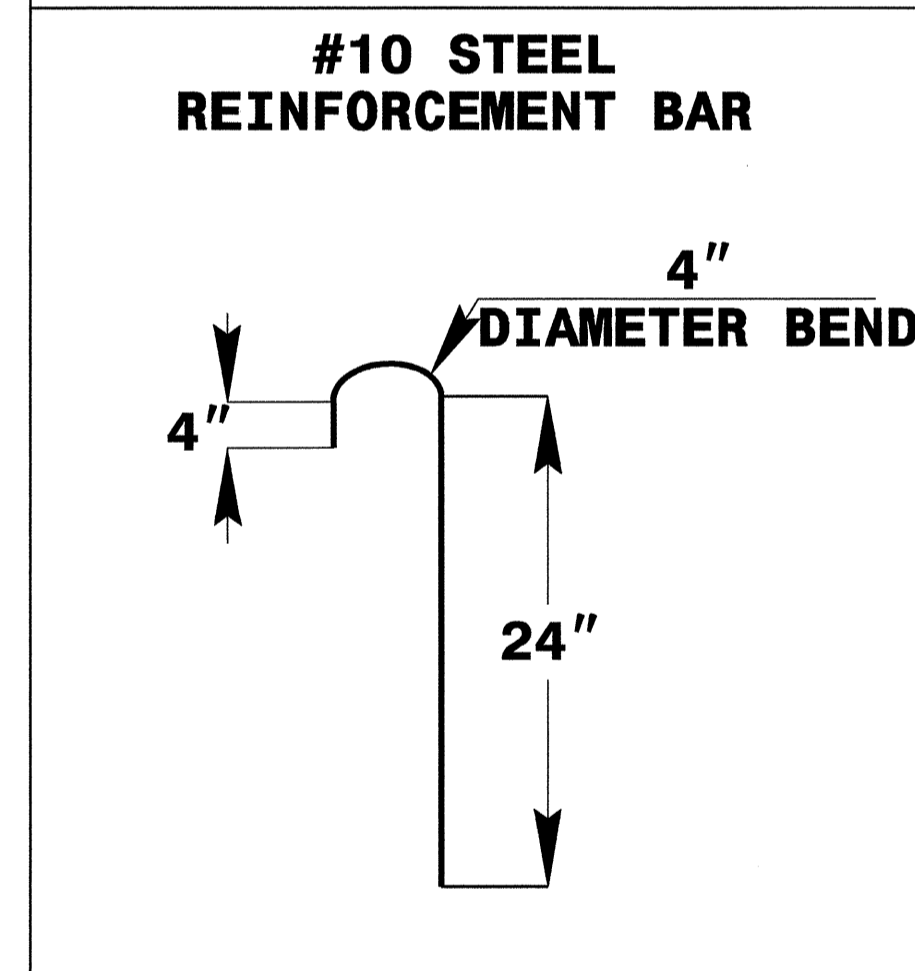
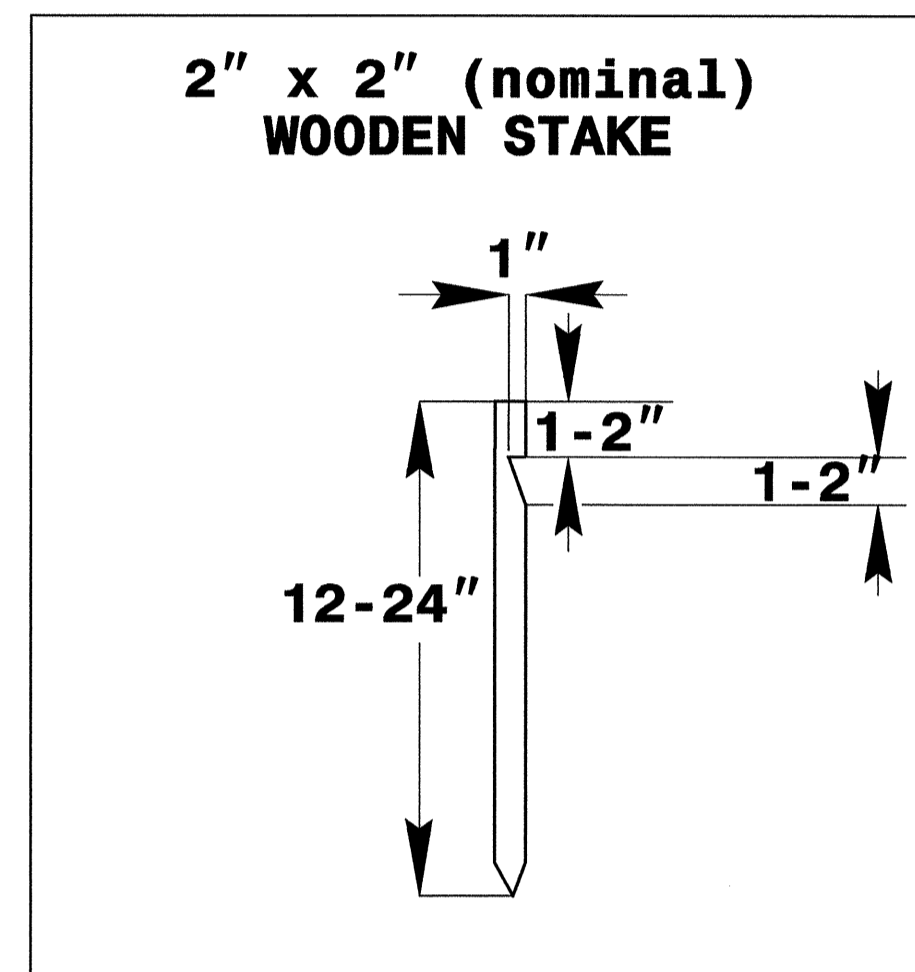
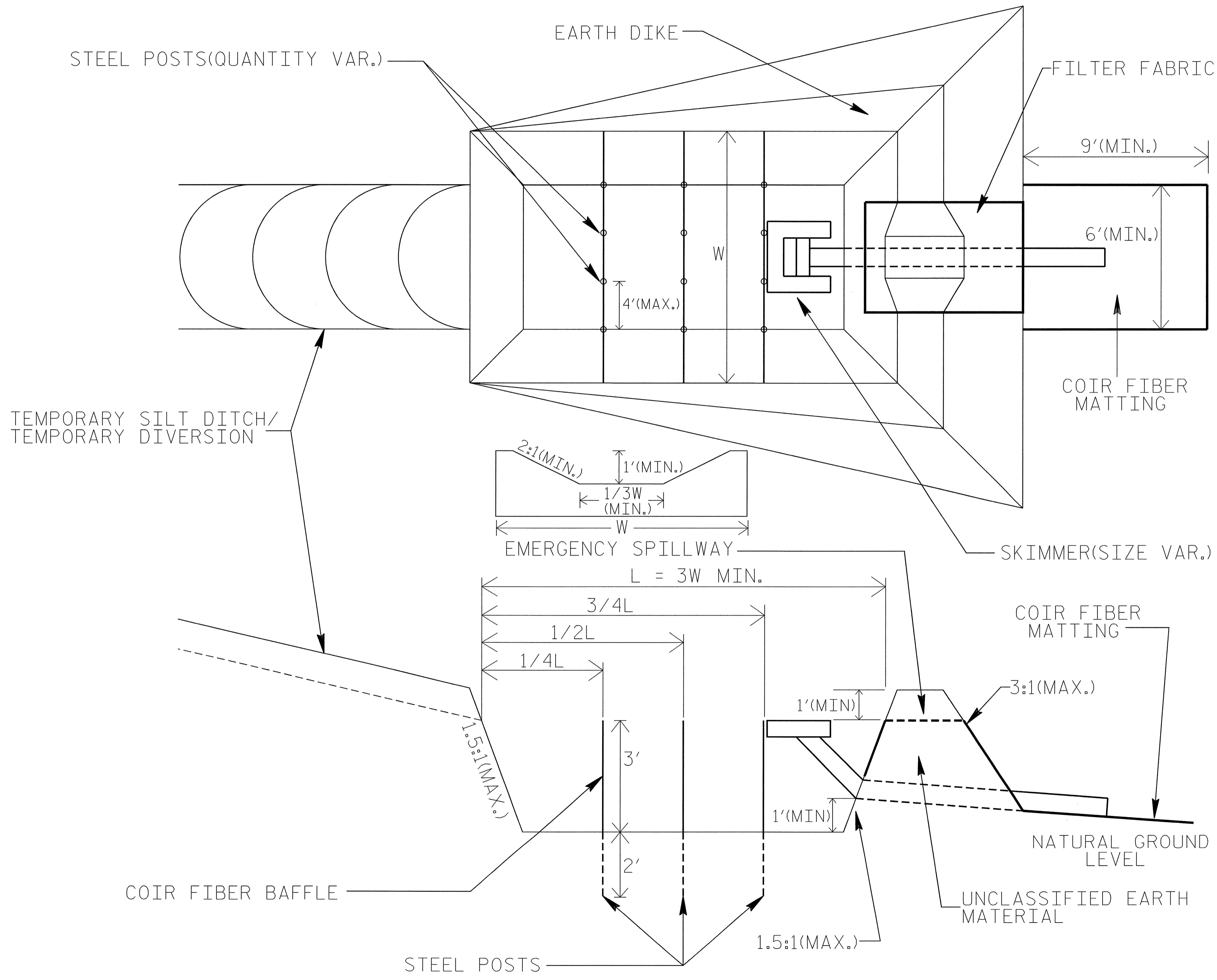


NOTE: INSTALL THREE (3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF 1/4 THE BASIN LENGTH. TWO (2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF 1/3 THE BASIN LENGTH.

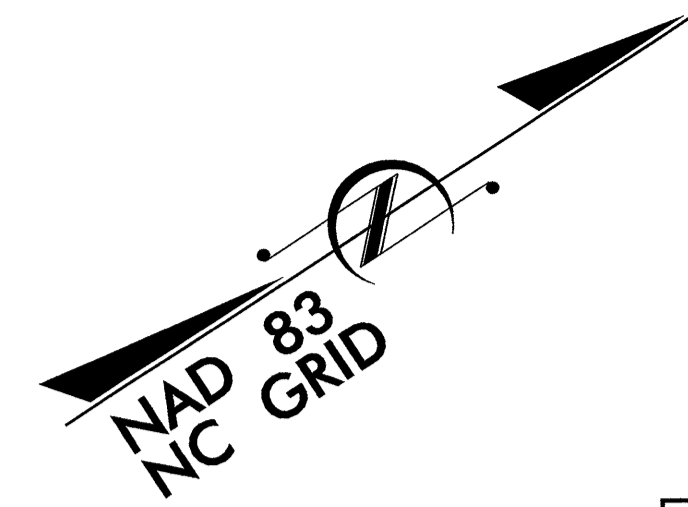
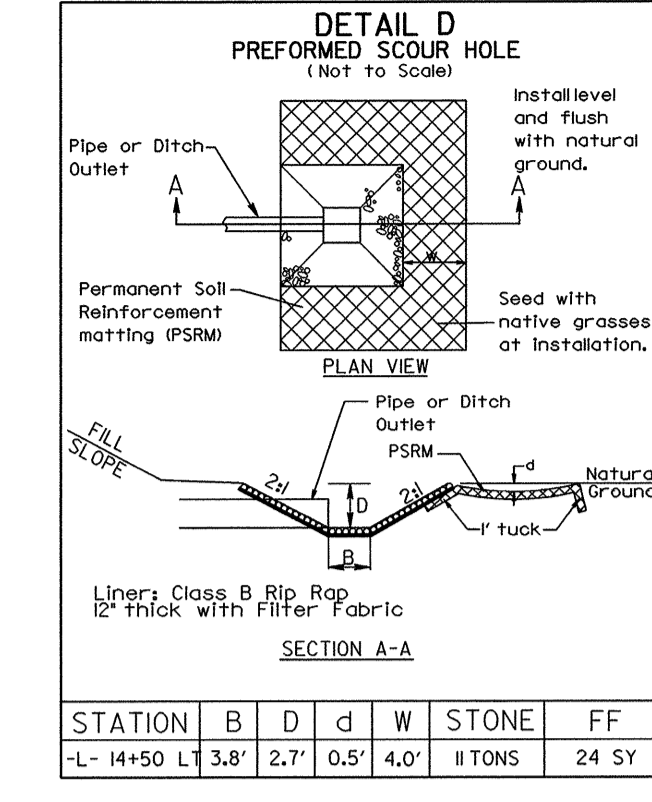
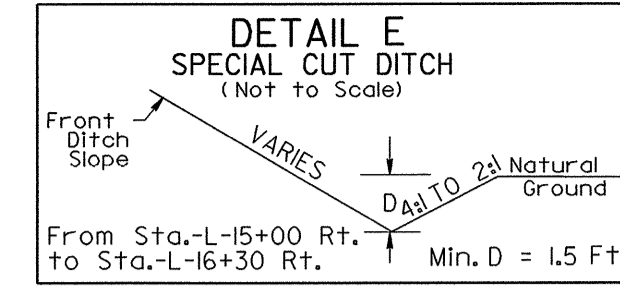
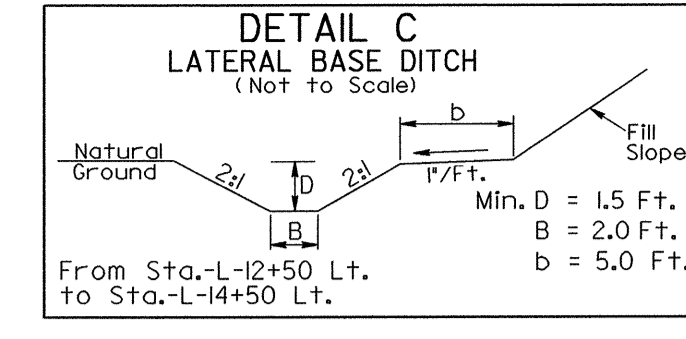
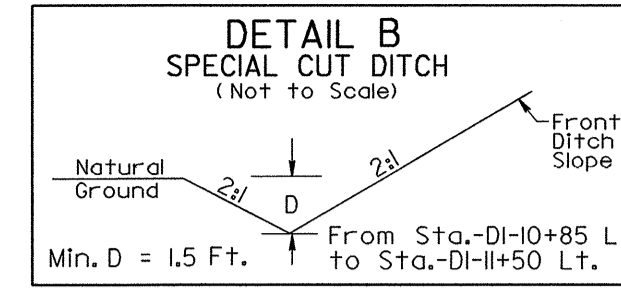
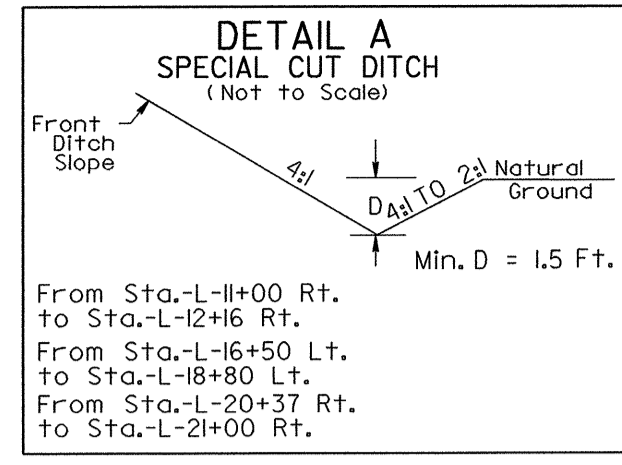
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. B-3814	SHEET NO. EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

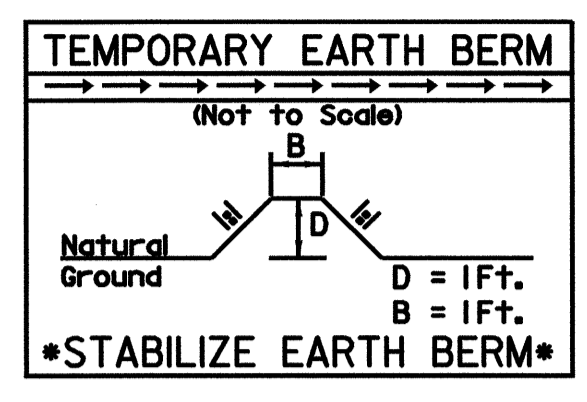


COIR FIBER MAT ANCHOR OPTIONS



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.

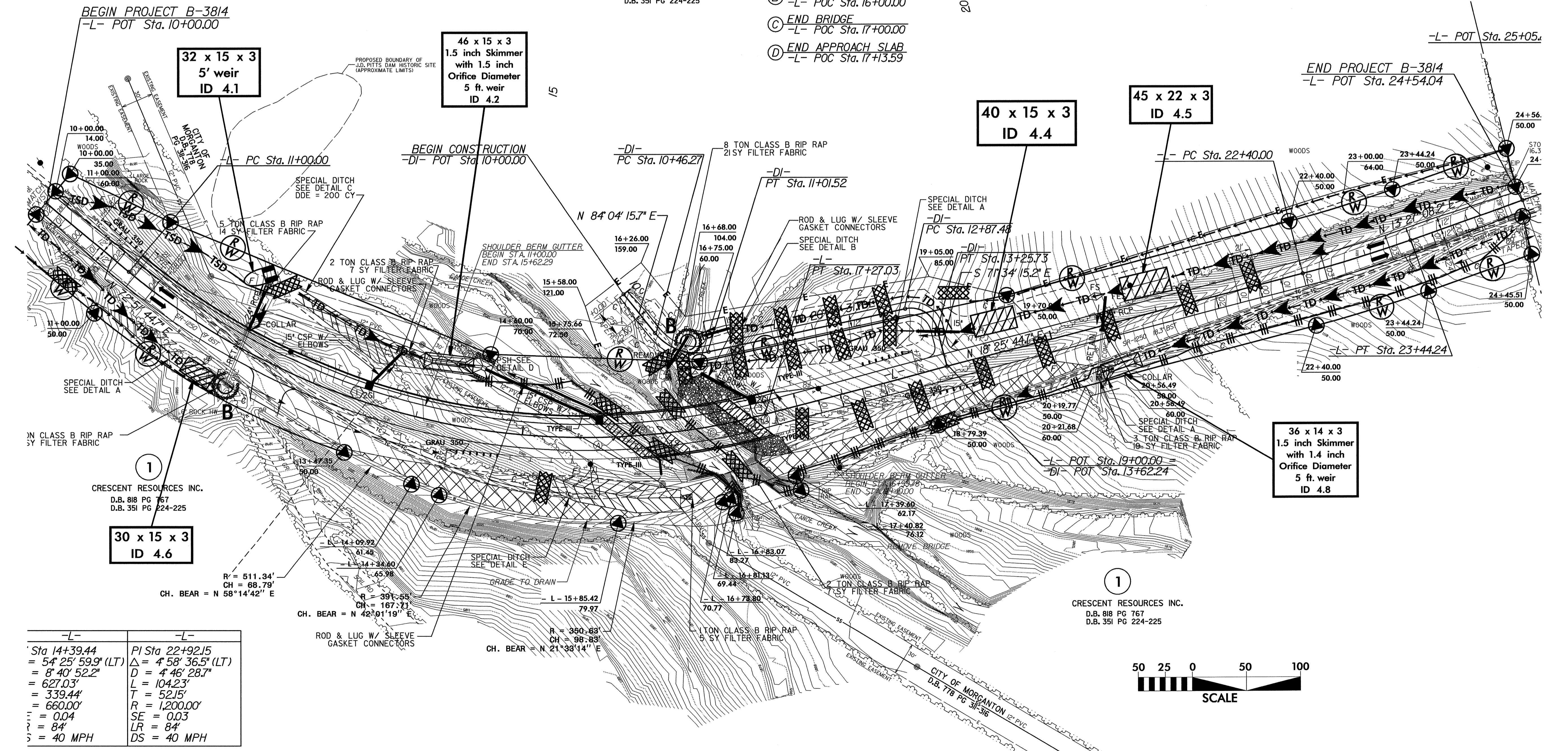


NOTE:
UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A
AND/OR SKIMMER BASIN AS STILLING BASIN
WHERE APPLICABLE.

-DI-	-DI-
PI Sta 10+77.09 Δ = 63' 18" 44.0" (LT) D = 114' 35" 29.6" L = 55.25' T = 30.83' R = 50.00' SE = N/A DS = N/A	PI Sta 13+11.48 Δ = 87' 40" 13.1" (RT) D = 229' 10" 59.2" L = 38.25' T = 24.00' R = 25.00' SE = N/A DS = N/A

1
CRESCENT RESOURCES INC.
D.B. 818 PG 767
D.B. 351 PG 224-225

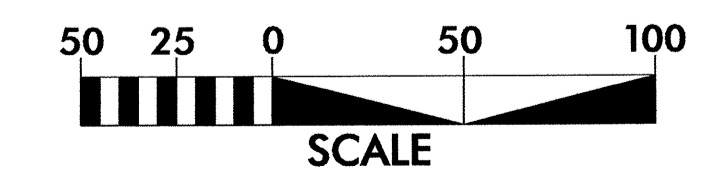
- (A) BEGIN APPROACH SLAB
-L- POC Sta. 15+86.67
- (B) BEGIN BRIDGE
-L- POC Sta. 16+00.00
- (C) END BRIDGE
-L- POC Sta. 17+00.00
- (D) END APPROACH SLAB
-L- POC Sta. 17+13.59

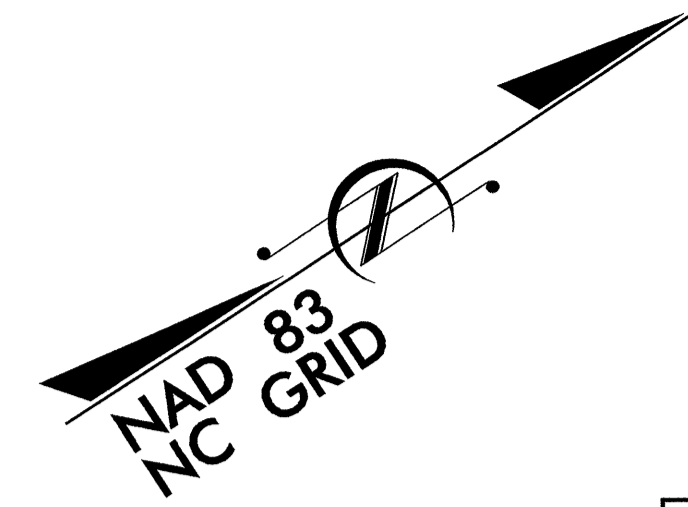
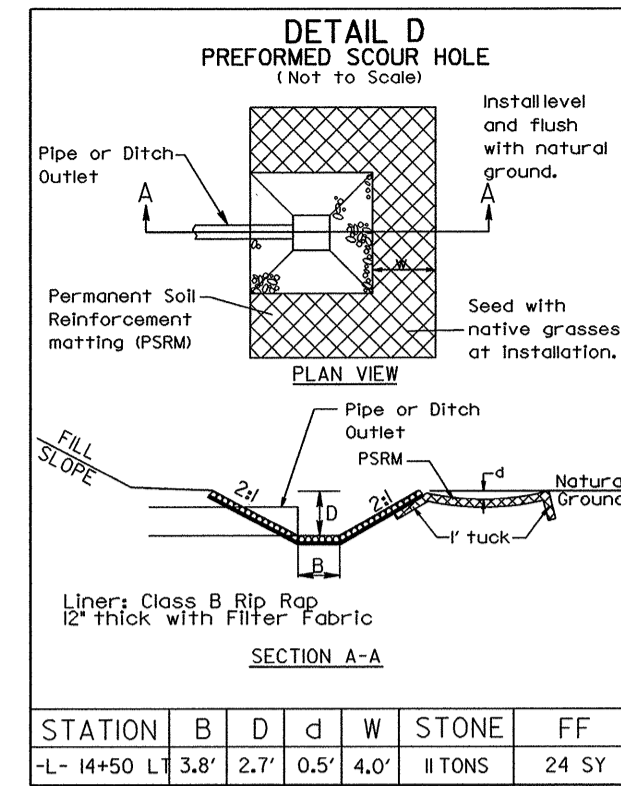
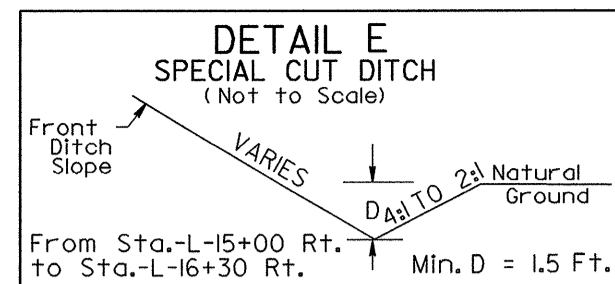
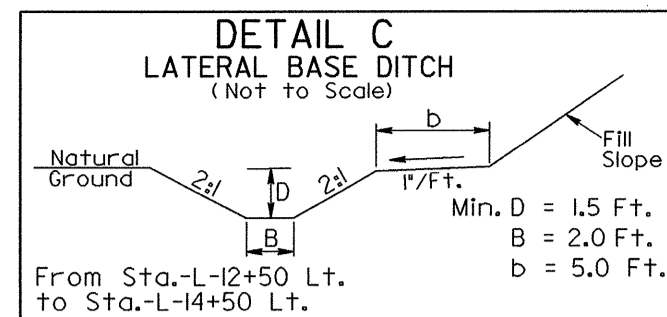
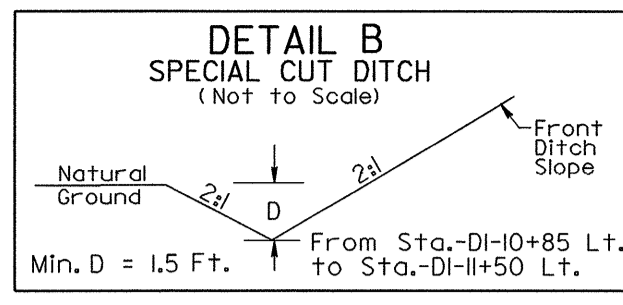
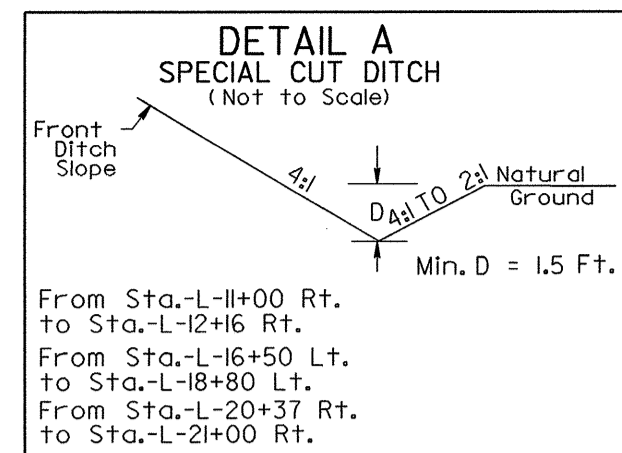


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CRESCENT RESOURCES INC.
D.B. 818 PG 767
D.B. 351 PG 224-225

1
CRESCENT RESOURCES INC.
D.B. 818 PG 767
D.B. 351 PG 224-225

-L-	-L-
Sta 14+39.44 = 54' 25" 59.9" (LT) = 8' 40" 52.2" = 627.03' = 339.44' = 660.00' = 0.04 = 84' = 40 MPH	PI Sta 22+92.15 Δ = 4' 58" 36.5" (LT) D = 4' 46" 28.7" L = 104.23' T = 52.15' R = 1,200.00' SE = 0.03 LR = 84' DS = 40 MPH

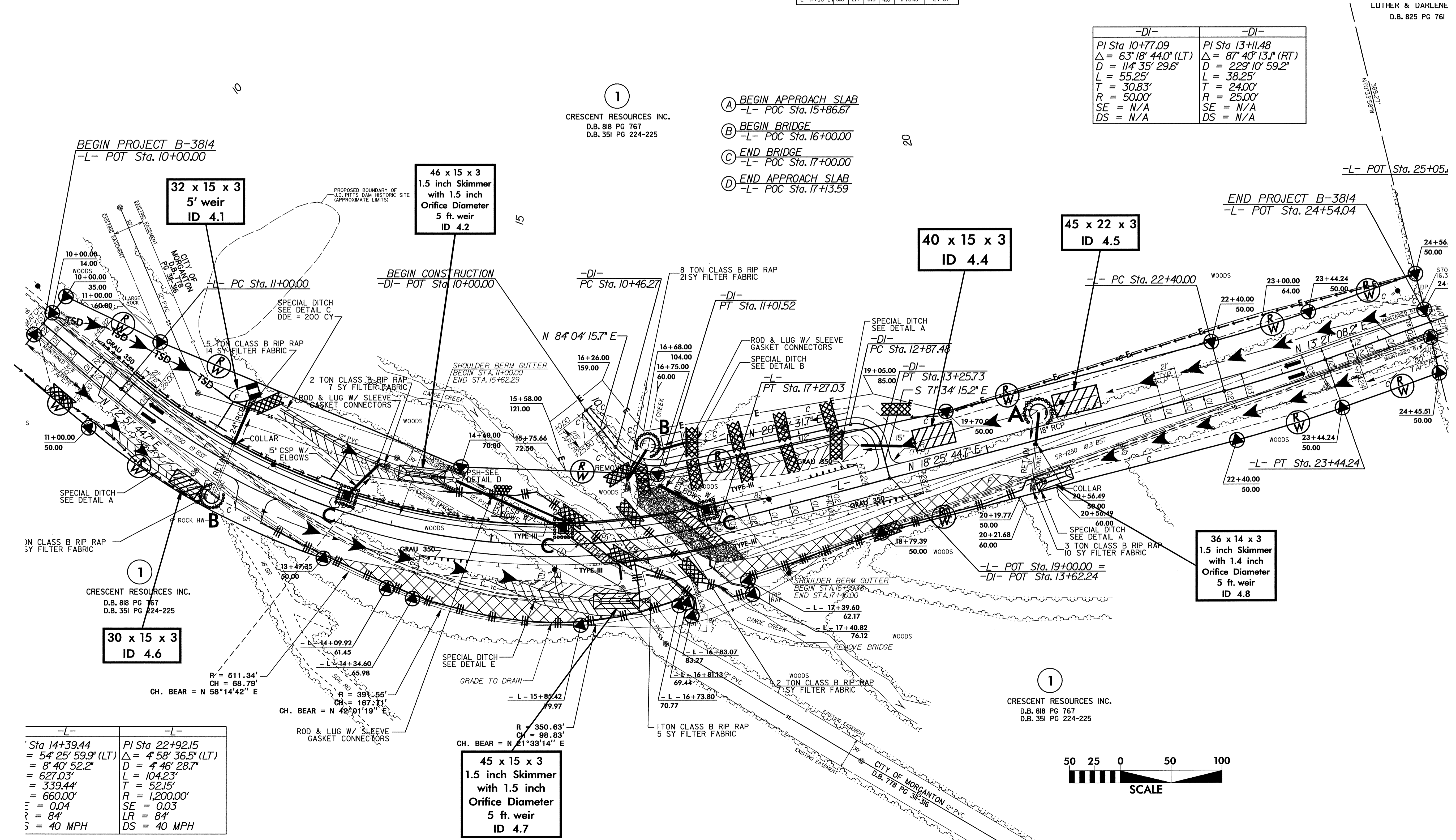




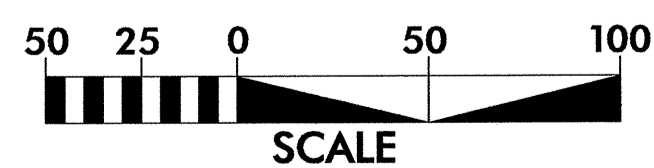
NOTE: UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A AND/OR SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

-DI-	-DI-
PI Sta 10+77.09	PI Sta 13+11.48
$\Delta = 63' 18" 44.0" (LT)$	$\Delta = 87' 40" 13.1" (RT)$
$D = 114' 35" 29.6"$	$D = 229' 10" 59.2"$
$L = 55.25'$	$L = 38.25'$
$T = 30.83'$	$T = 24.00'$
$R = 50.00'$	$R = 25.00'$
$SE = N/A$	$SE = N/A$
$DS = N/A$	$DS = N/A$

- (A) BEGIN APPROACH SLAB
-L- POC Sta. 15+86.67
- (B) BEGIN BRIDGE
-L- POC Sta. 16+00.00
- (C) END BRIDGE
-L- POC Sta. 17+00.00
- (D) END APPROACH SLAB
-L- POC Sta. 17+13.59



-L-	-L-
Sta 14+39.44	PI Sta 22+92.15
$\Delta = 54' 25" 59.9" (LT)$	$\Delta = 4' 58" 36.5" (LT)$
$D = 8' 40" 52.2"$	$D = 4' 46" 28.7"$
$L = 627.03'$	$L = 104.23'$
$T = 339.44'$	$T = 52.15'$
$R = 660.00'$	$R = 1,200.00'$
$SE = 0.04$	$SE = 0.03$
$LR = 84'$	$LR = 84'$
$DS = 40 MPH$	$DS = 40 MPH$



CRESCENT RESOURCES INC.
D.B. 818 PG 767
D.B. 351 PG 224-225

CRESCENT RESOURCES INC.
D.B. 818 PG 767
D.B. 351 PG 224-225

CRESCENT RESOURCES INC.
D.B. 818 PG 767
D.B. 351 PG 224-225

LUIHER & DARLENE
D.B. 825 PG 761