

TIP PROJECT: B-4309

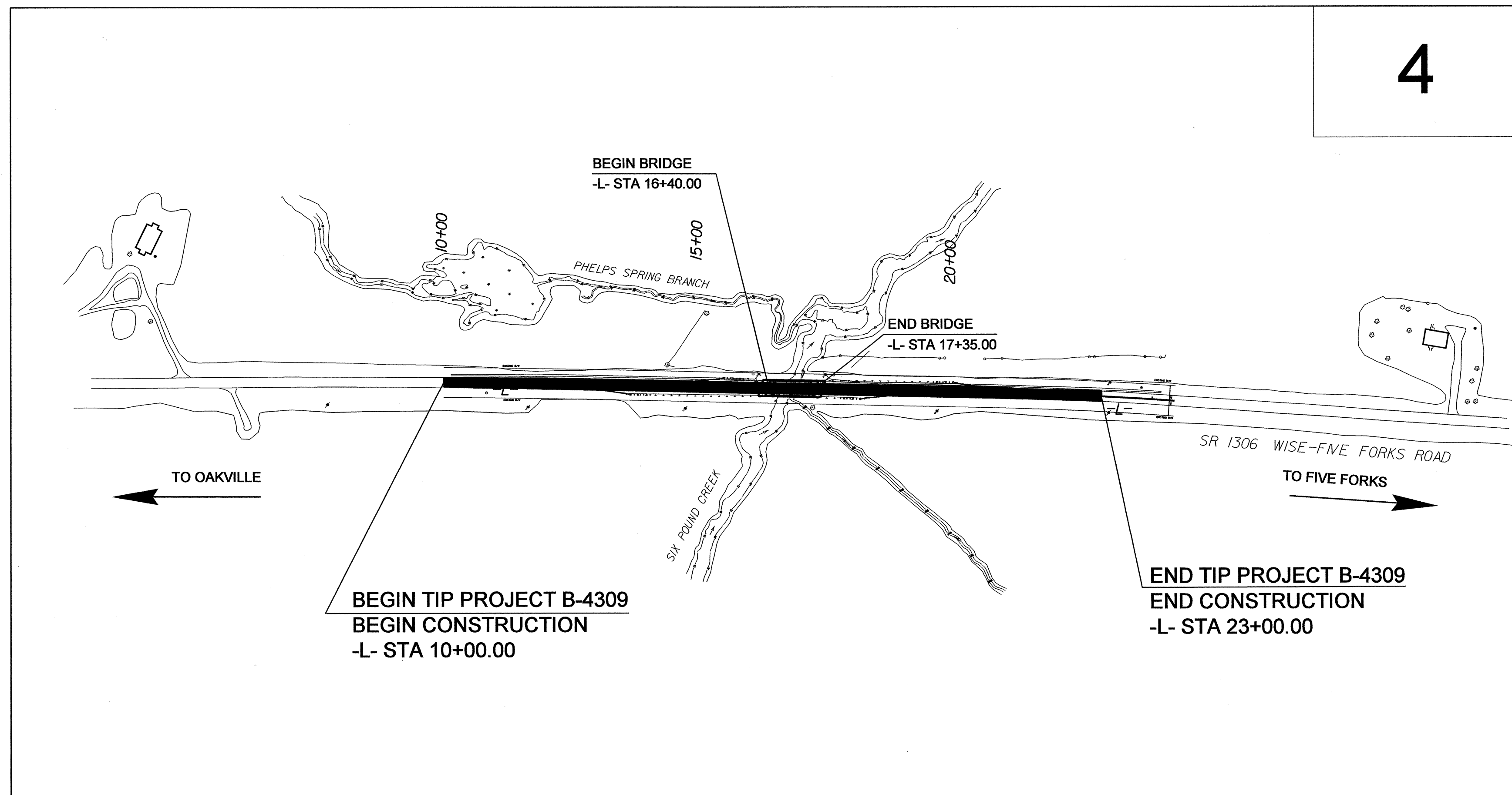
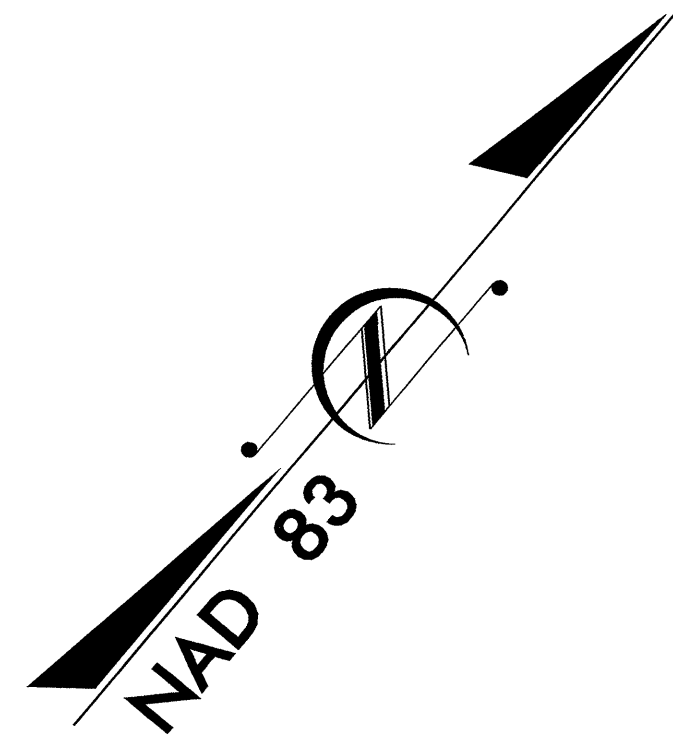
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

WARREN COUNTY

**LOCATION: BRIDGE NO. 38 ON SR 1306 OVER
SIX POUND CREEK**

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



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4309	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Streambank Reforestation.....	
1630.05	Temporary Silt Ditch.....	
1605.01	Temporary Diversion.....	
1606.01	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.....	
1633.01	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

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

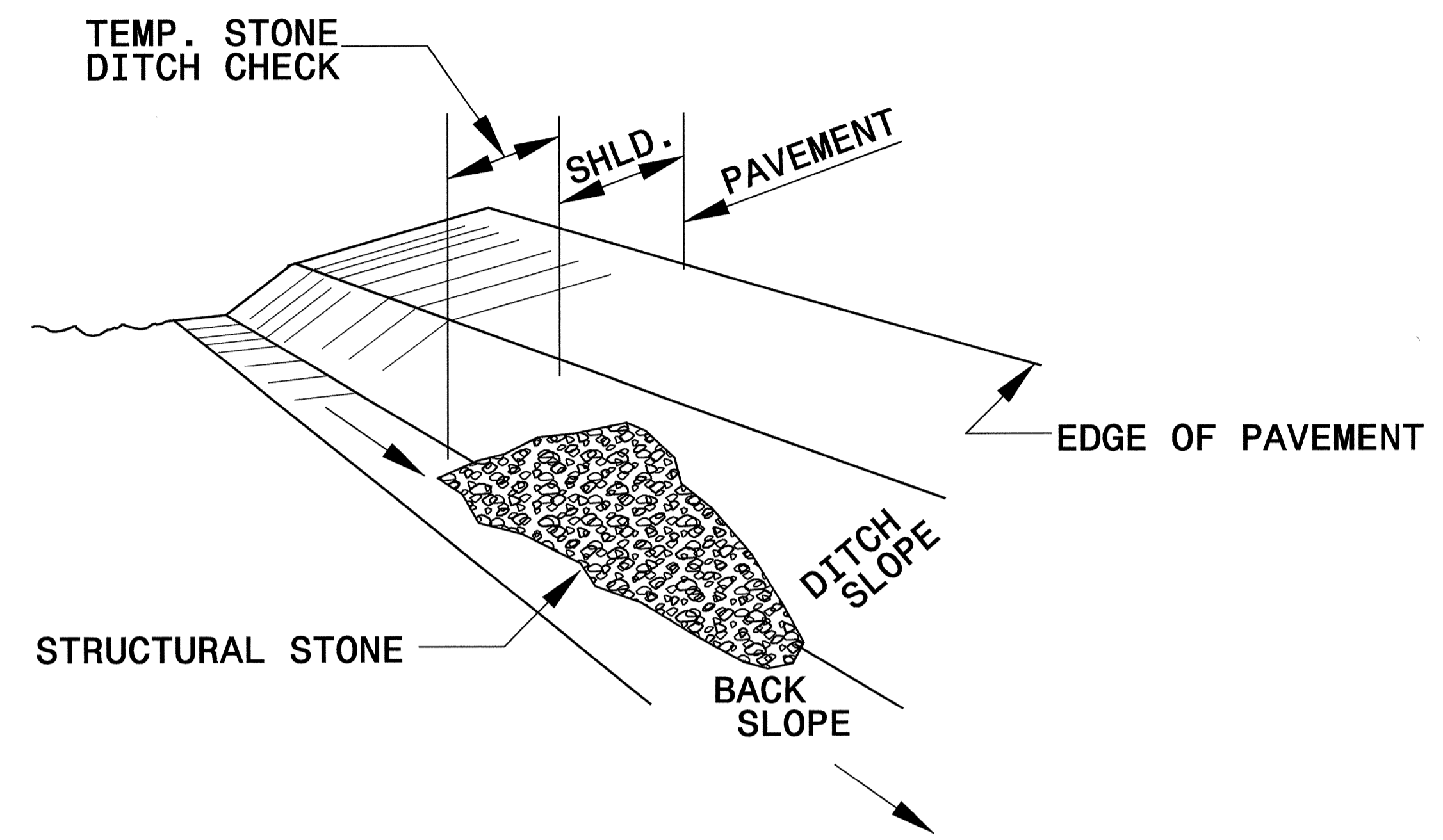
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1634.02 Temporary Rock Sediment Dam Type B
1622.01 Temporary Berms and Slope Drains	
1630.03 Temporary Silt Ditch	

Project: B-4309 - Roadside Environmental Details - B-4309 - rdj - tsh.dgn
Date: 07/18/07 10:33 AM
Revision: 1

PROJECT REFERENCE NO. B-4309	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

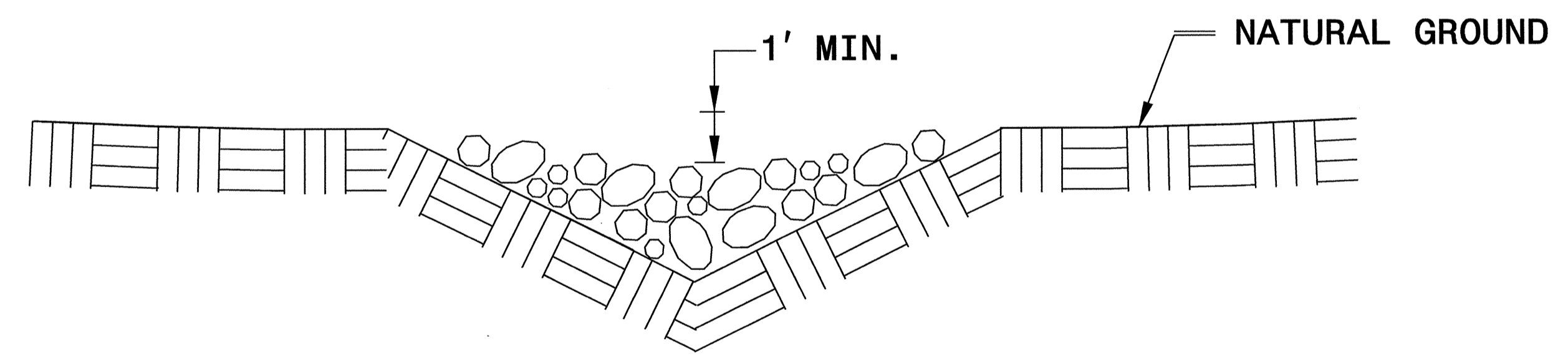


ISOMETRIC VIEW

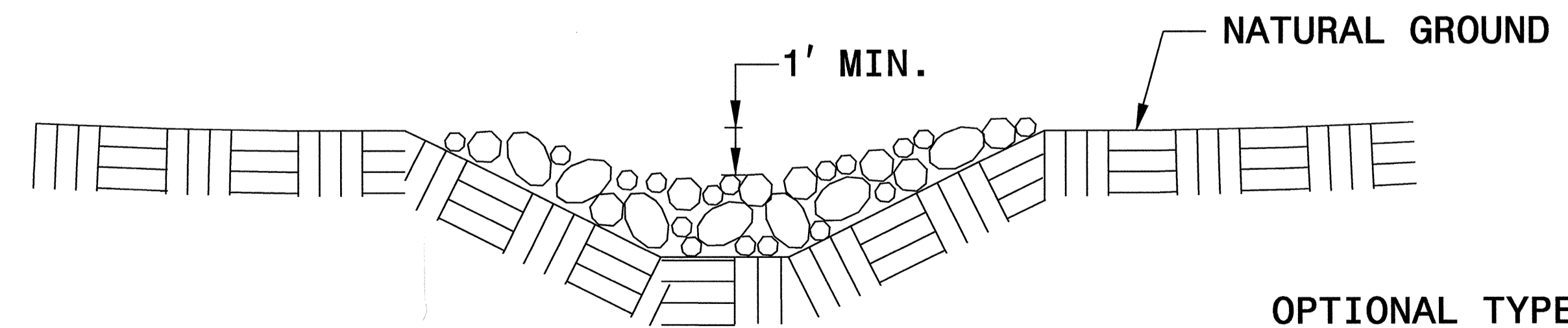
NOTES:

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

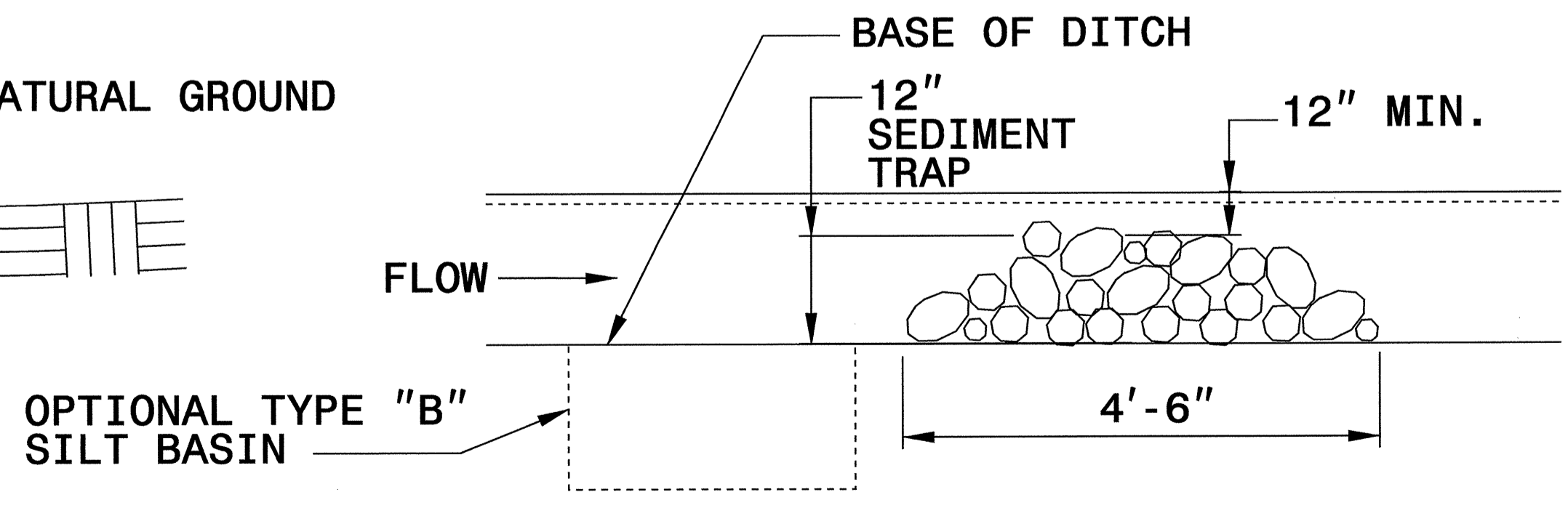
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



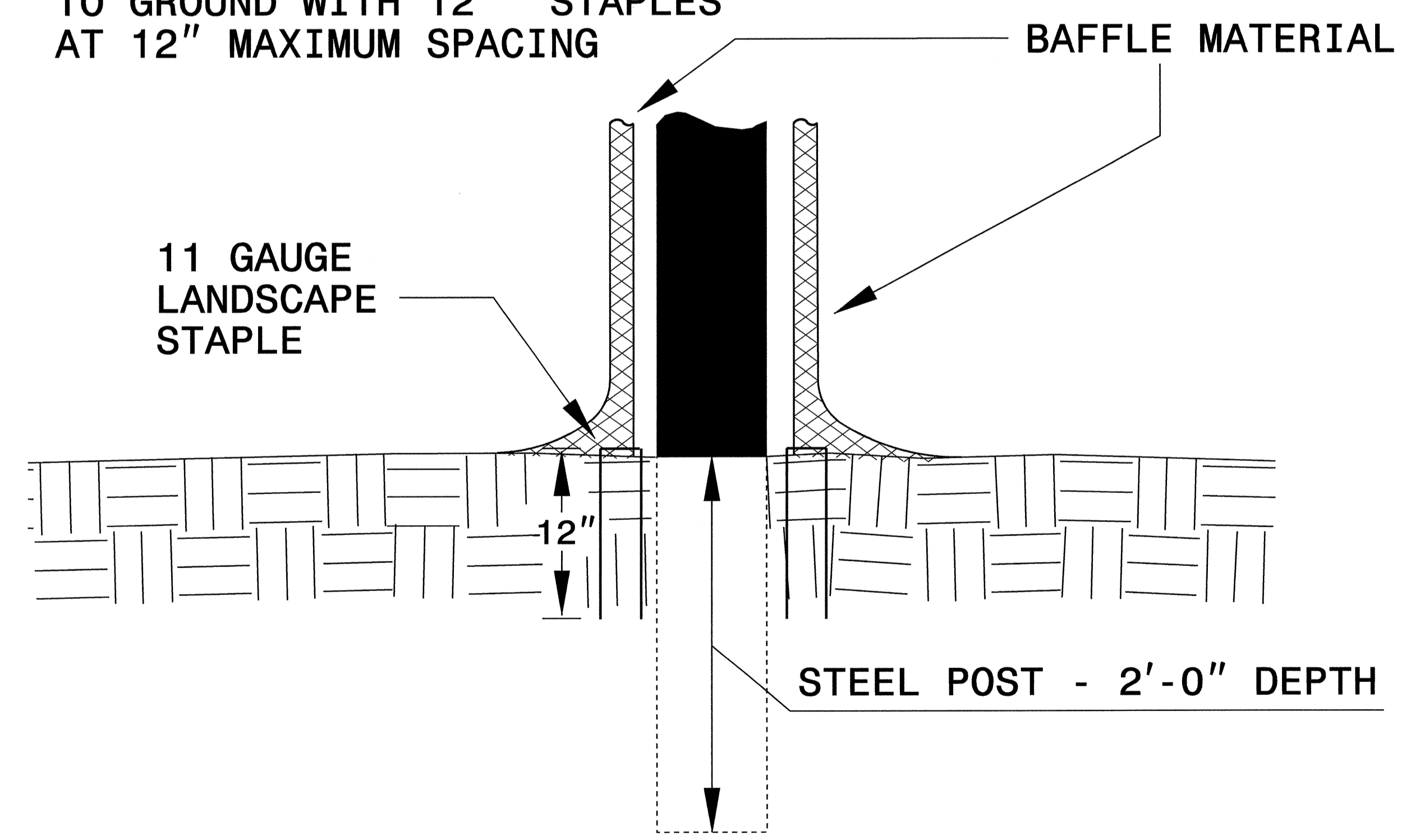
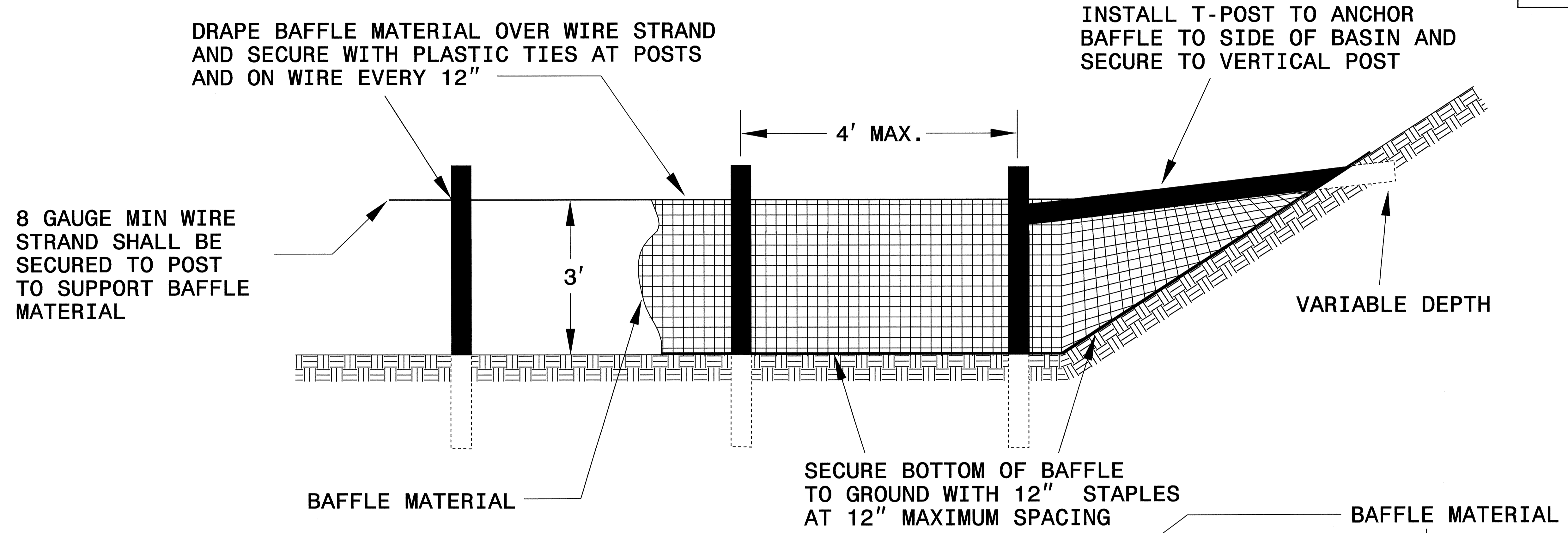
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. B-4309	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.

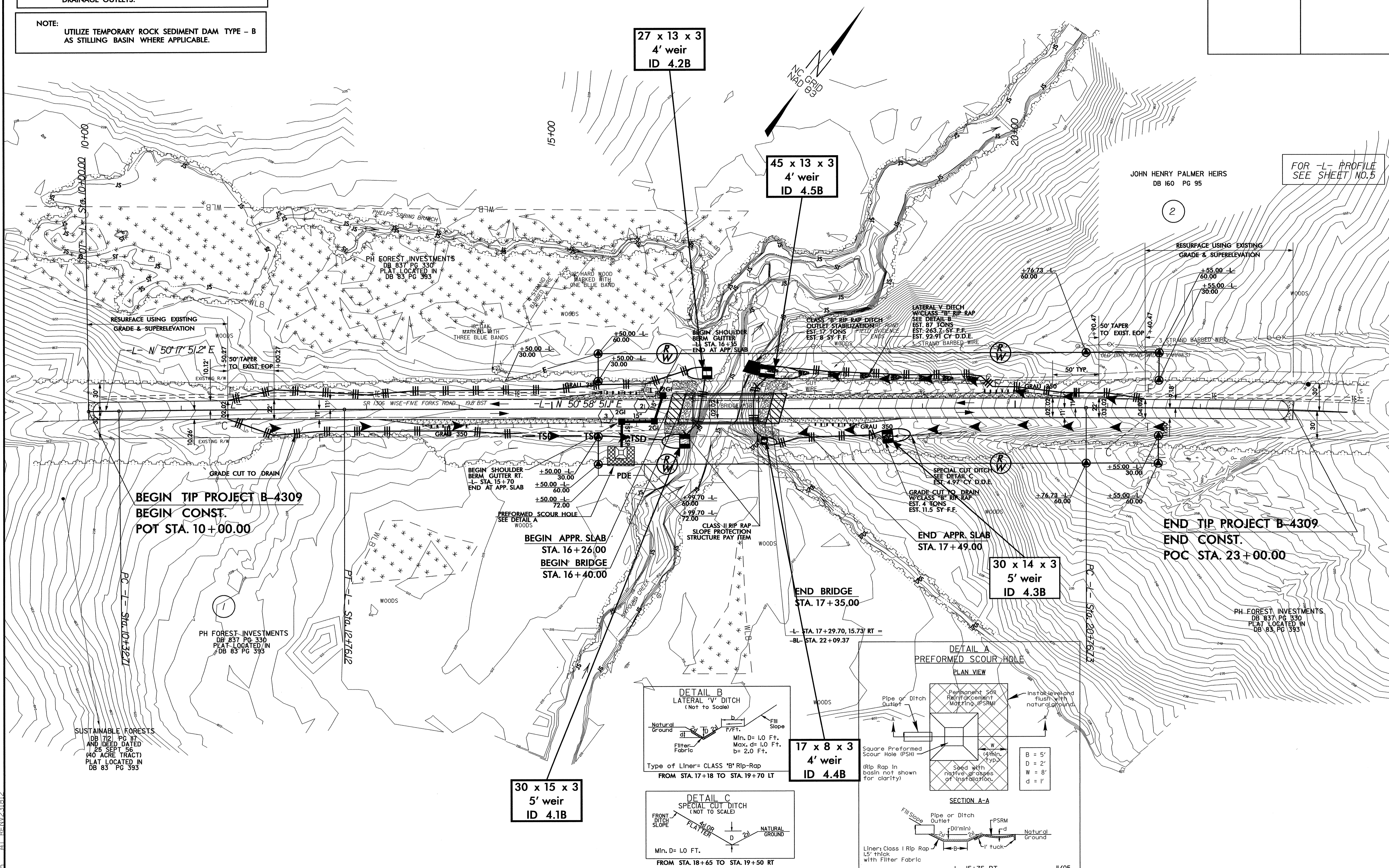
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

PROJECT REFERENCE NO. B-4309	SHEET NO. EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 SEDIMENT DAM TYPE - B
AS STILLING BASIN WHERE APPLICABLE.



27 x 13 x 3
4' weir
ID 4.2B

45 x 13 x 3
4' weir
ID 4.5B

30 x 14 x 3
5' weir
ID 4.3B

30 x 15 x 3
5' weir
ID 4.1B

17 x 8 x 3
4' weir
ID 4.4B

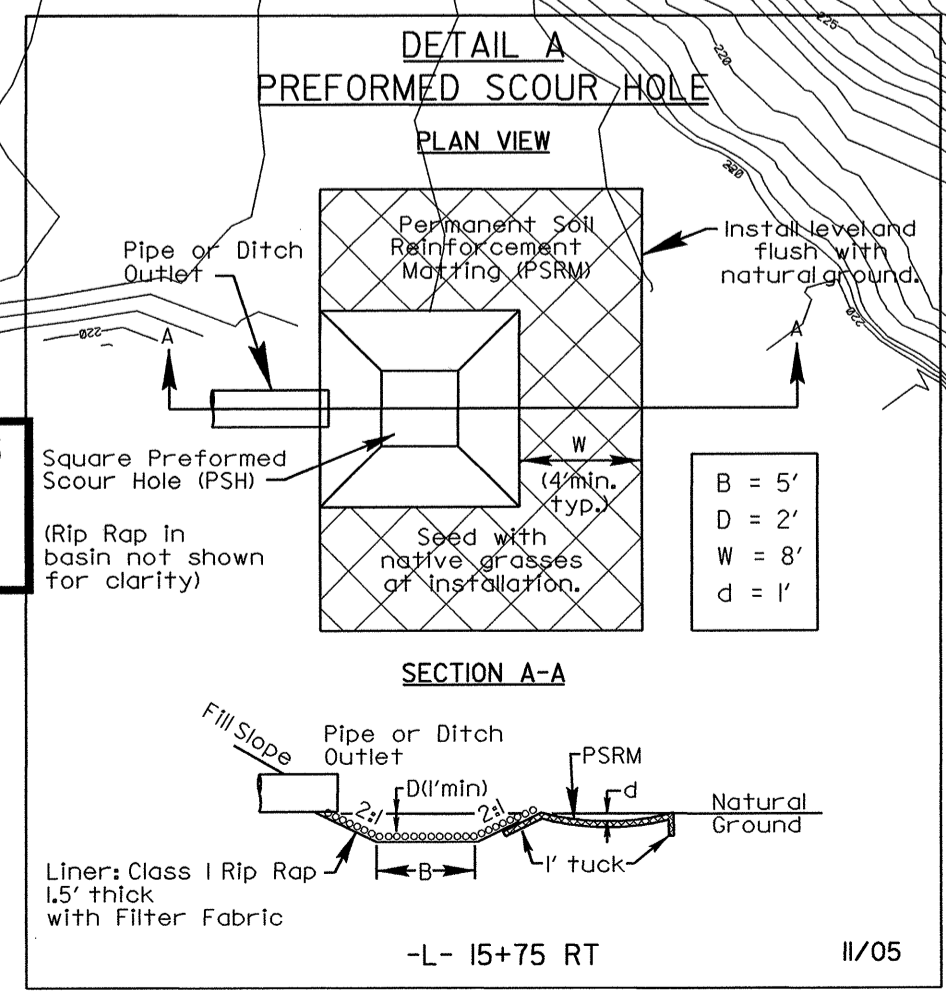
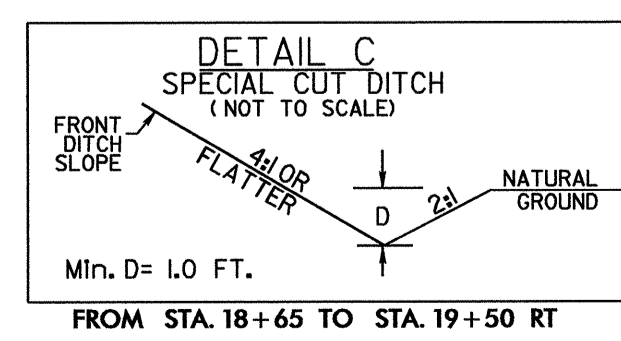
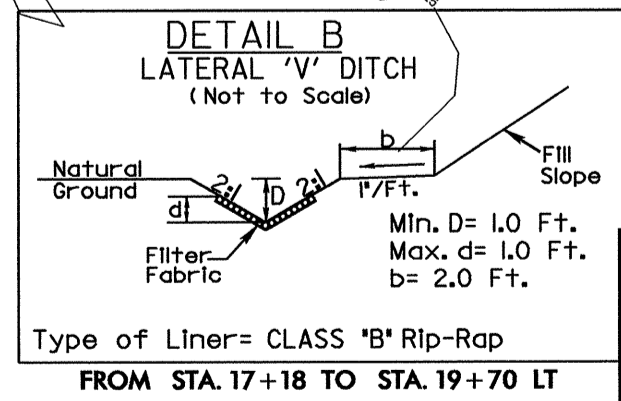
BEGIN TIP PROJECT B-4309
BEGIN CONST.
POT STA. 10+00.00

BEGIN APPR. SLAB
STA. 16+26.00
BEGIN BRIDGE
STA. 16+40.00

END BRIDGE
STA. 17+35.00

END APPR. SLAB
STA. 17+49.00

END TIP PROJECT B-4309
END CONST.
POC STA. 23+00.00



FOR -L- PROFILE
SEE SHEET NO. 5

JOHN HENRY PALMER HEIRS
DB 160 PG 95

PH FOREST INVESTMENTS
DB 837 PG 330
PLAT LOCATED IN
DB 83 PG 393

PH FOREST INVESTMENTS
DB 837 PG 330
PLAT LOCATED IN
DB 83 PG 393

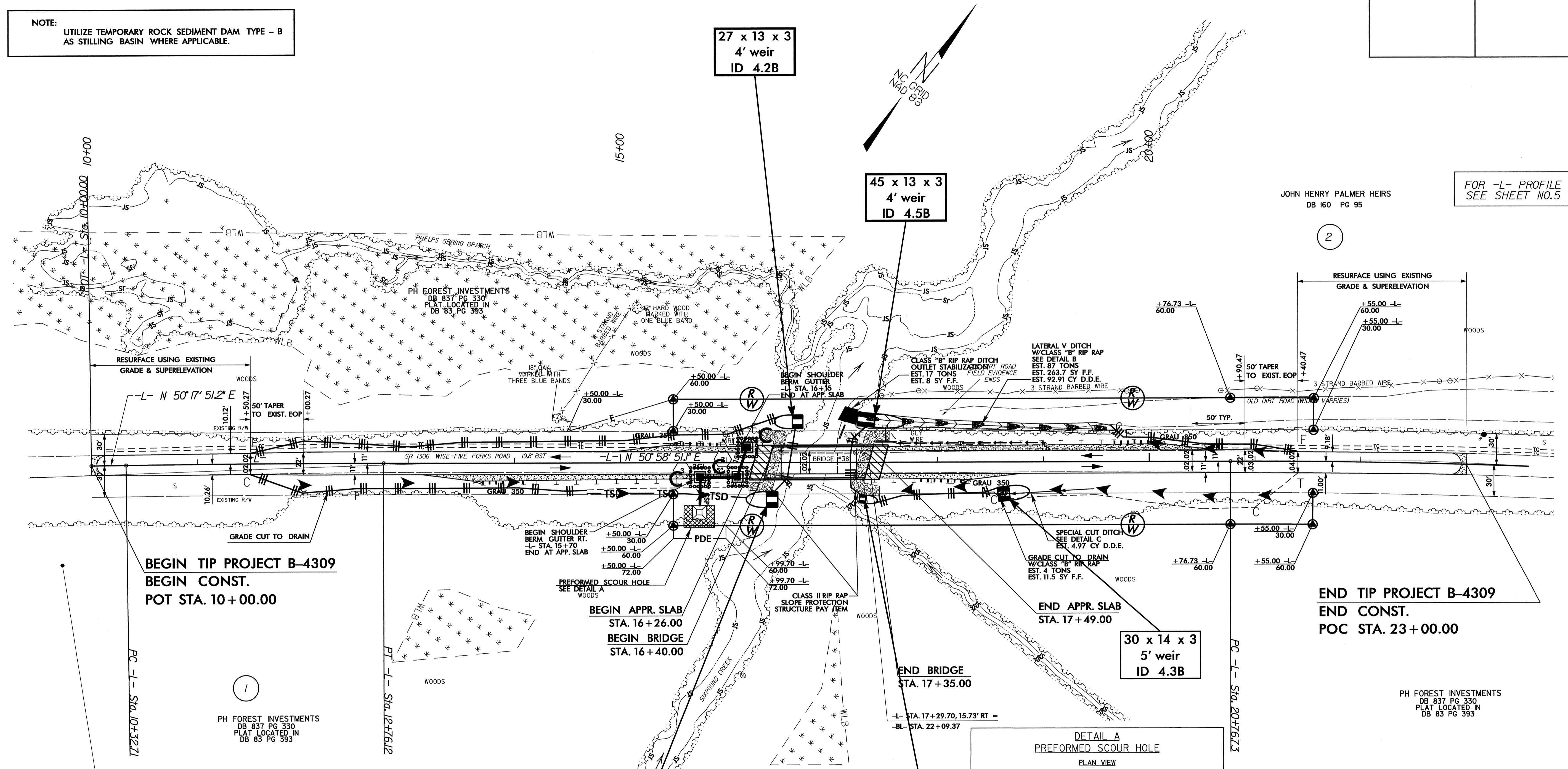
SUSTAINABLE FORESTS
DB 712 PG 17
AND DEED DATED
25 SEPT 56
(40 ACRE TRACT)
PLAT LOCATED IN
DB 83 PG 393

8/17/99
 07-SEP-2007 10:36
 G:\FIPRO\04309\environmental\design\b4309_rdy.psh.dgn
 AT: RENN\31812

PROJECT REFERENCE NO.	SHEET NO.
B-4309	EC-5/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.

FOR -L- PROFILE
SEE SHEET NO.5



BEGIN TIP PROJECT B-4309
BEGIN CONST.
POT STA. 10+00.00

END TIP PROJECT B-4309
END CONST.
POC STA. 23+00.00

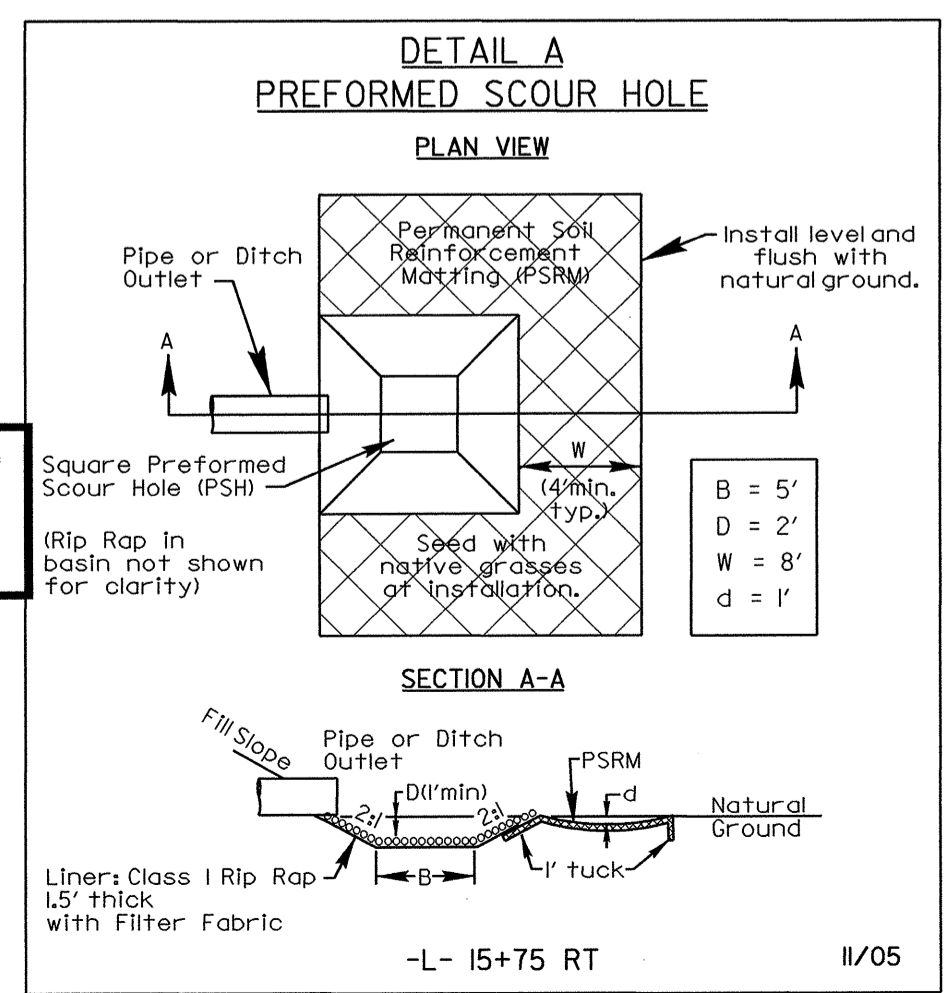
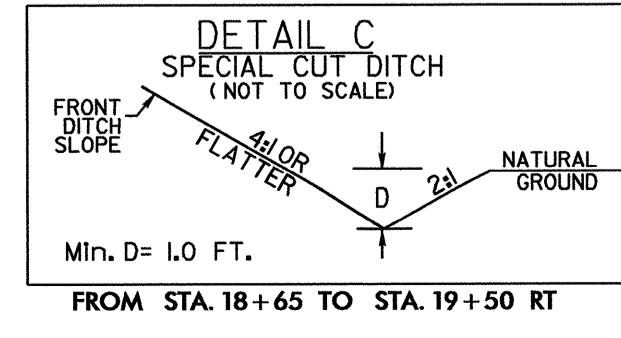
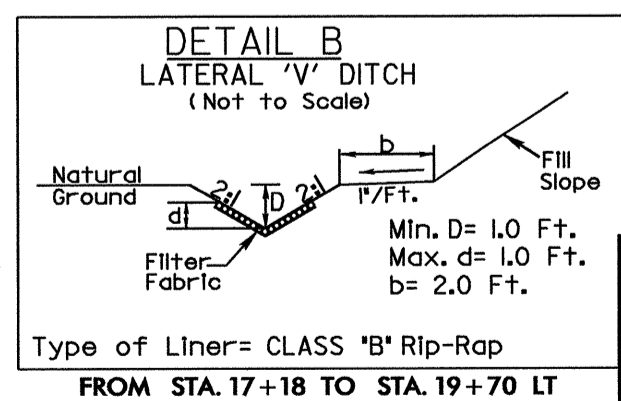
30 x 15 x 3
5' weir
ID 4.1B

27 x 13 x 3
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ID 4.2B

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ID 4.5B

30 x 14 x 3
5' weir
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17 x 8 x 3
4' weir
ID 4.4B



SUSTAINABLE FORESTS
DB 712 PG 117
AND DEED DATED
25 SEPT 56
(40 ACRE TRACT)
PLAT LOCATED IN
DB 83 PG 393

PH FOREST INVESTMENTS
DB 837 PG 330
PLAT LOCATED IN
DB 83 PG 393

PH FOREST INVESTMENTS
DB 837 PG 330
PLAT LOCATED IN
DB 83 PG 393

8/17/99
07-SEP-2007 10:35
g:\bippro\ec\tsb\4309\environmental\design\4309_rdy_psh.dgn
Richard Allen Renny 231812