

TIP PROJECT: B-3697

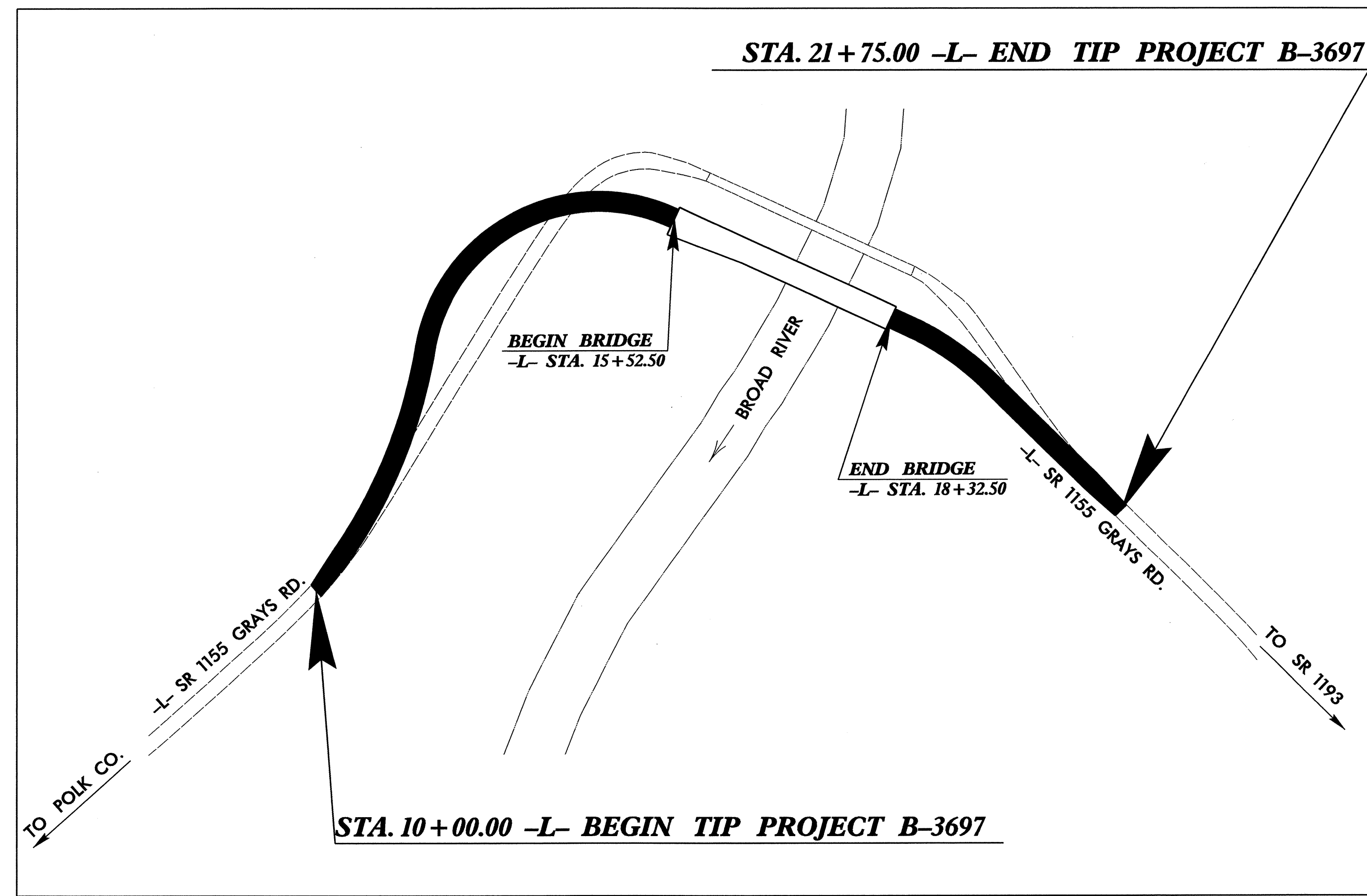
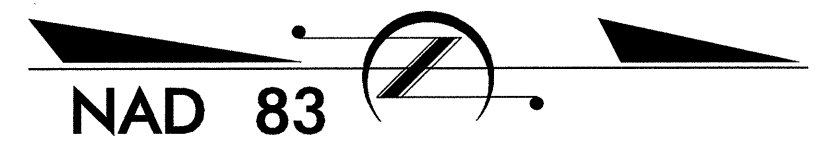
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

RUTHERFORD COUNTY

**LOCATION: BRIDGE NO. 270 OVER BROAD RIVER
ON SR 1155 (GRAYS ROAD)**

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



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3697	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

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

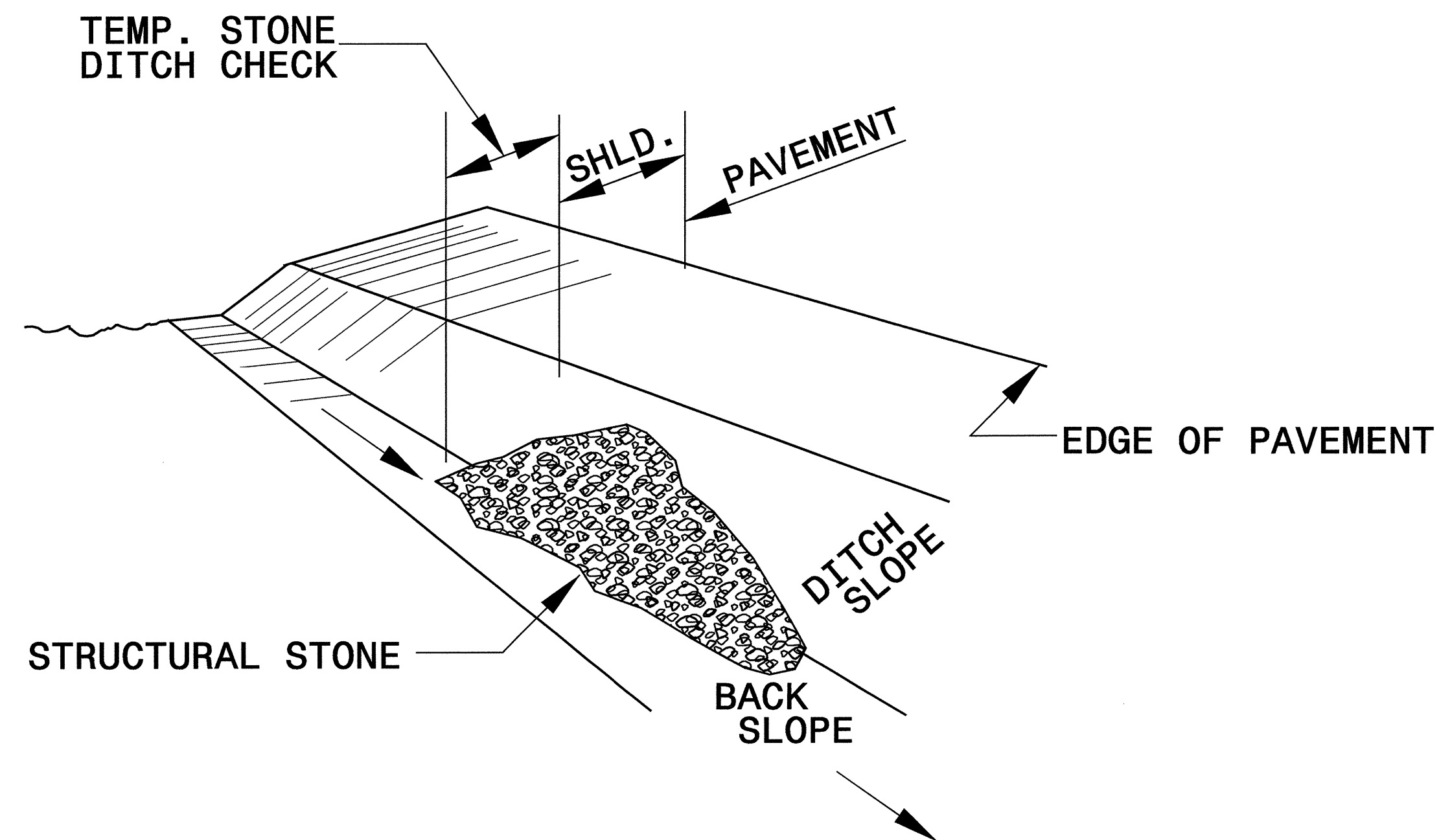
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1630.06 Special Stilling Basin
1607.01 Gravel Construction Entrance	1632.02 Rock Inlet Sediment Trap Type B
1622.01 Temporary Berms and Slope Drains	1633.01 Temporary Rock Silt Check Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.05 Temporary Diversion	

IT-JUL-2007, R339
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PROJECT REFERENCE NO. <i>B-3697</i>	SHEET NO. <i>EC-2</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

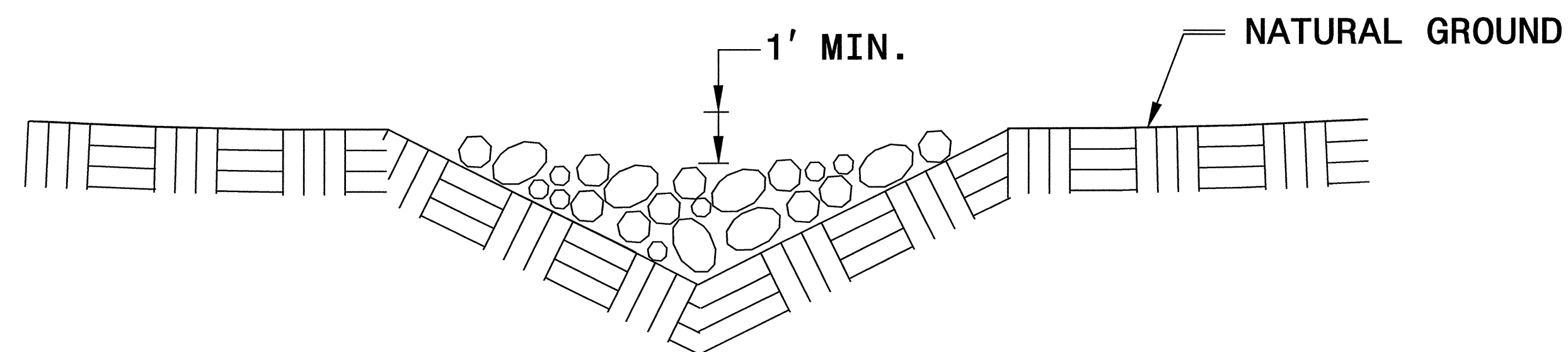


ISOMETRIC VIEW

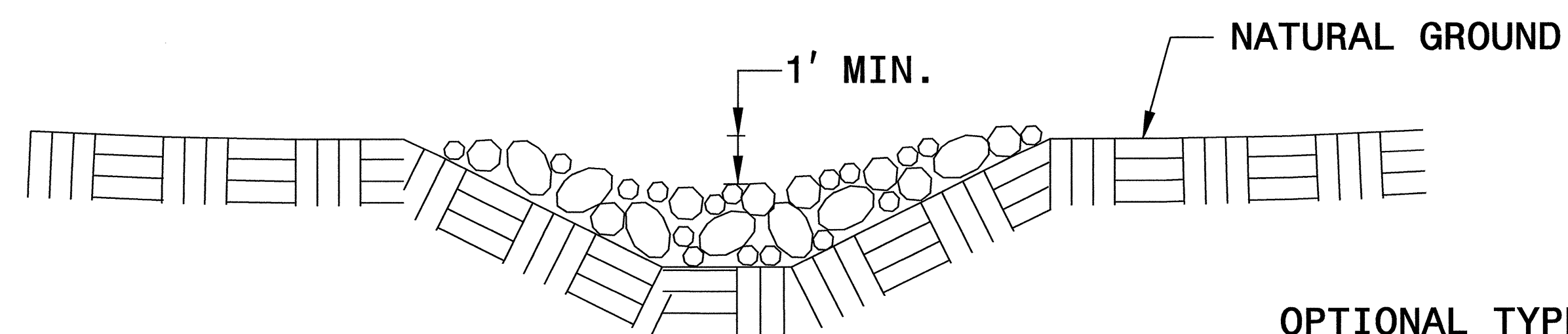
NOTES:

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

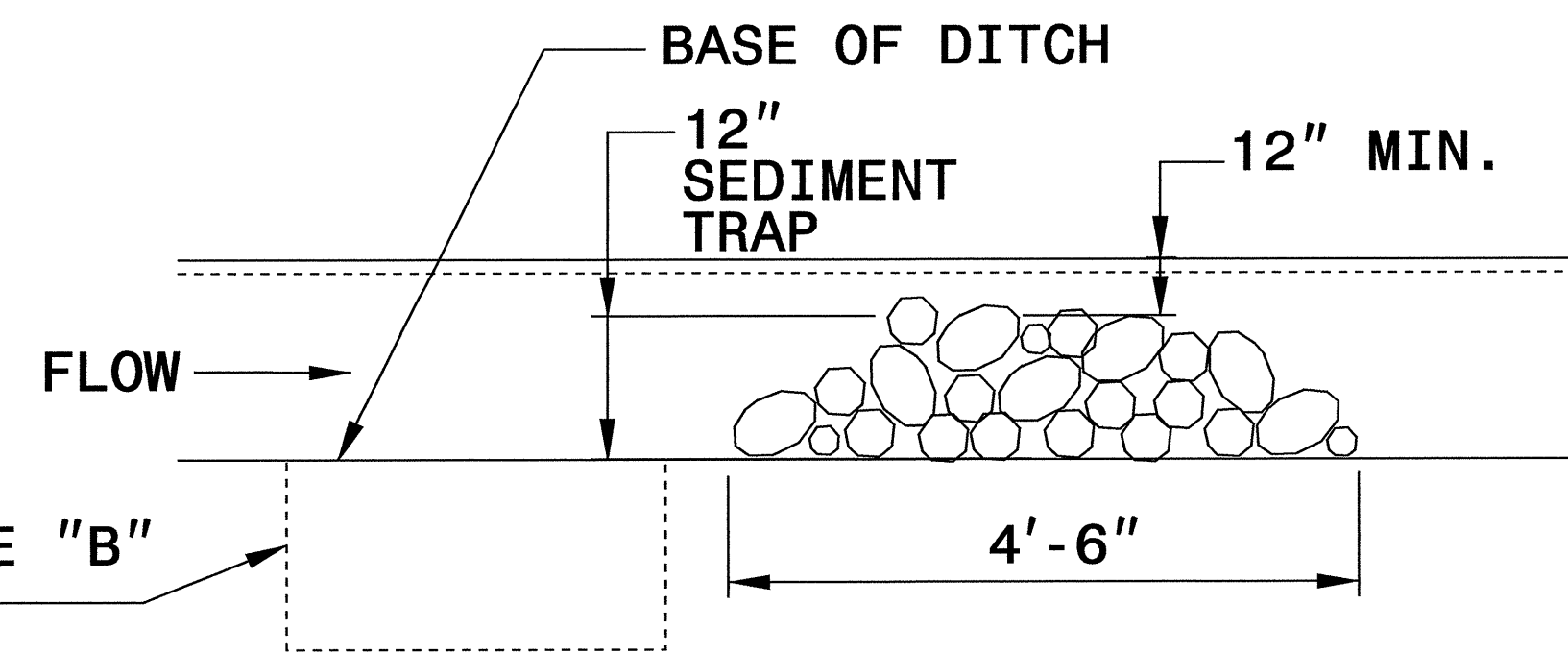
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



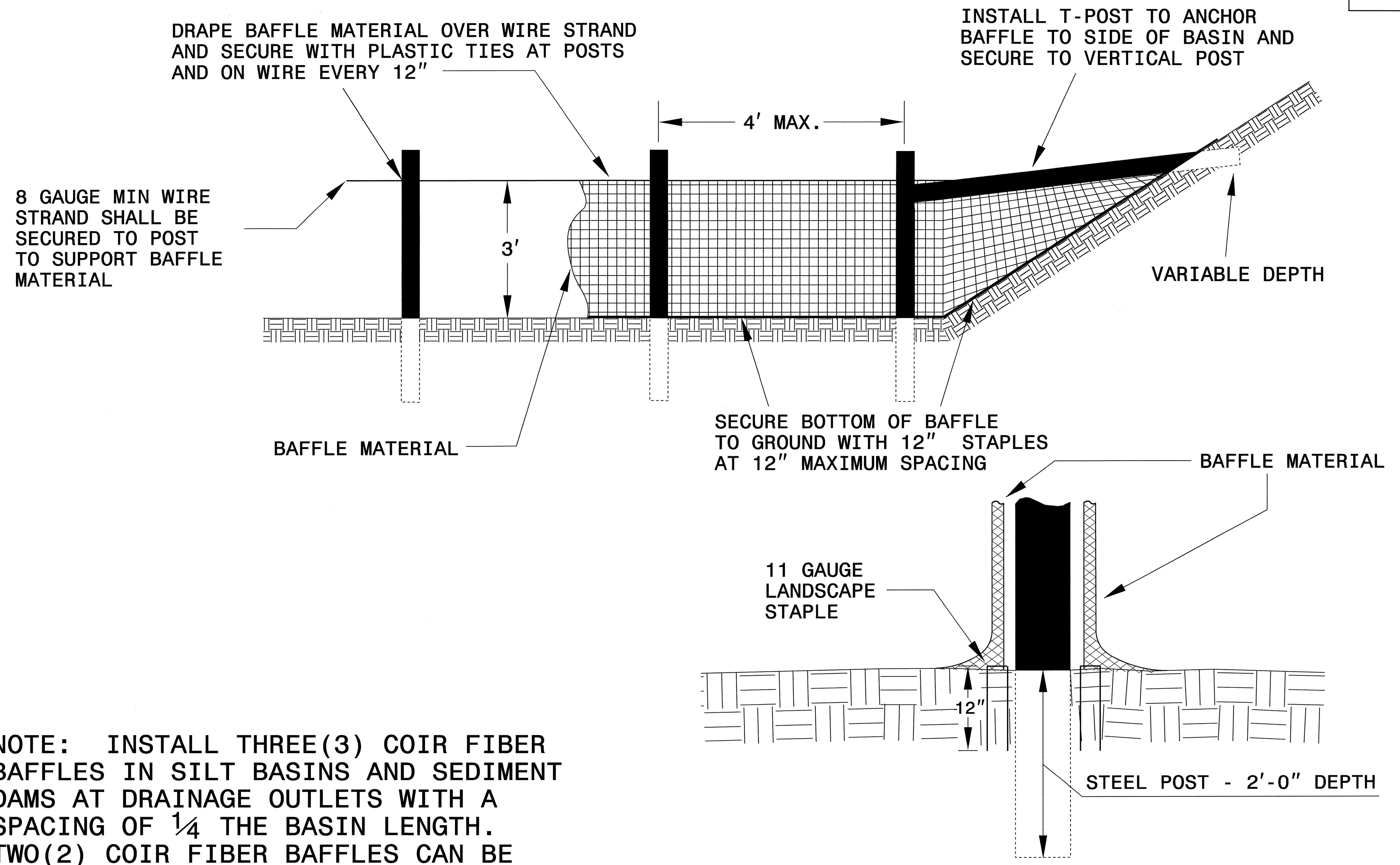
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

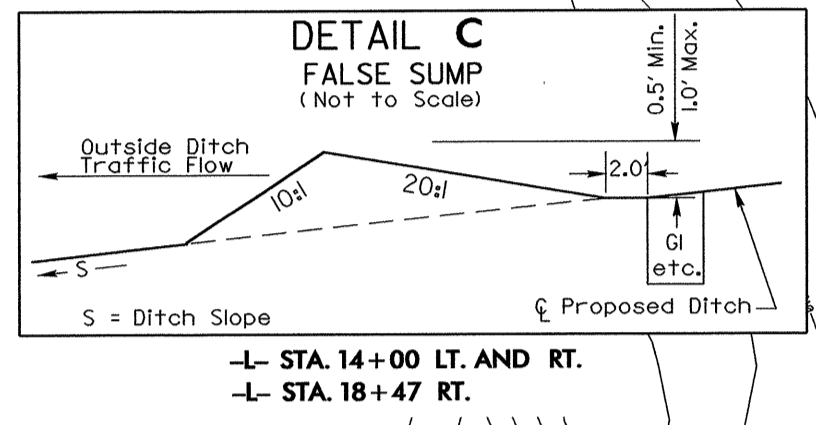
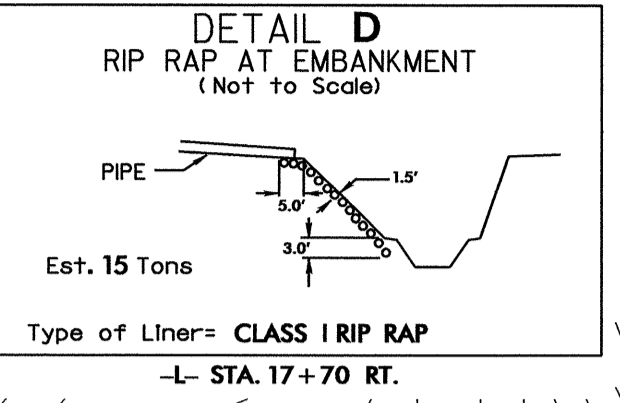
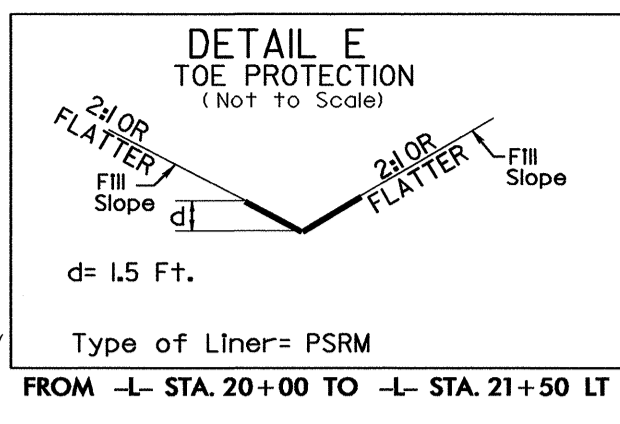
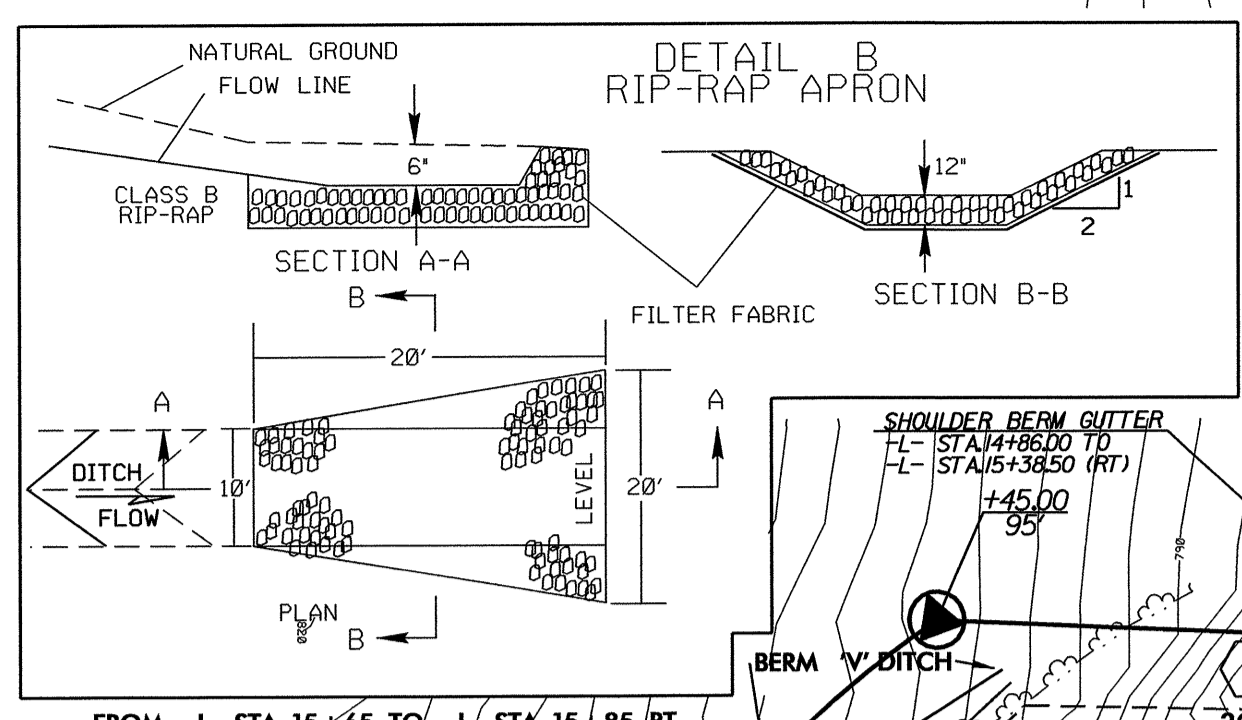
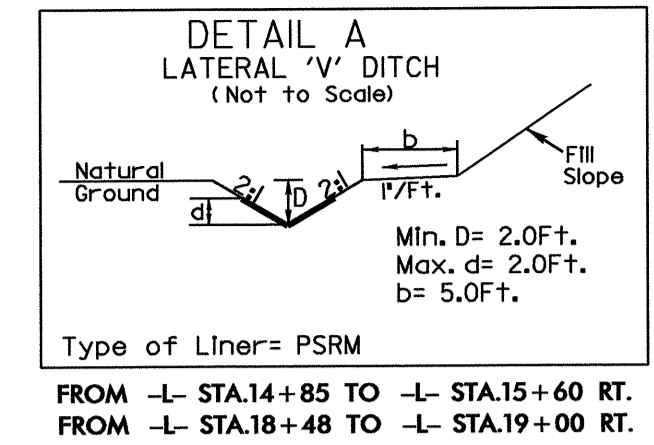
PROJECT REFERENCE NO. B-3697	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

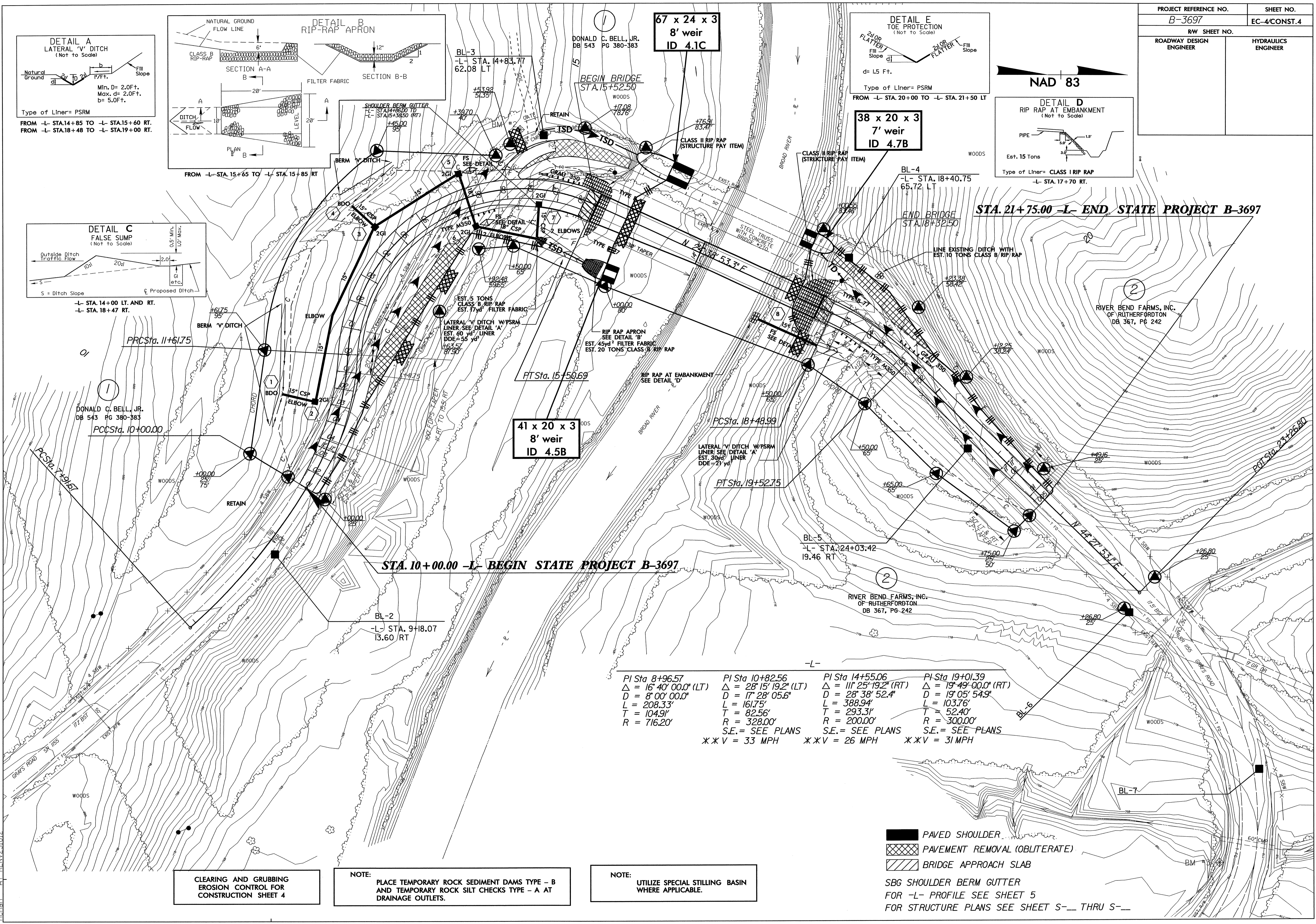


67 x 24 x 3
8' weir
ID 4.1C

38 x 20 x 3
7' weir
ID 4.7B

41 x 20 x 3
8' weir
ID 4.5B

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richard AT BENY231812



STA. 21+75.00 -L- END STATE PROJECT B-3697

STA. 10+00.00 -L- BEGIN STATE PROJECT B-3697

PI Sta 8+96.57 Δ = 16° 40' 00.0" (LT) L = 208.33' T = 104.91' R = 716.20'	PI Sta 10+82.56 Δ = 28° 15' 19.2" (LT) L = 161.75' T = 82.56' R = 328.00'	PI Sta 14+55.06 Δ = 111° 25' 19.2" (RT) L = 388.94' T = 293.31' R = 200.00'	PI Sta 19+01.39 Δ = 19° 49' 00.0" (RT) L = 103.76' T = 52.40' R = 300.00'
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S.E. = SEE PLANS
X.X V = 33 MPH X.X V = 26 MPH X.X V = 31 MPH

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

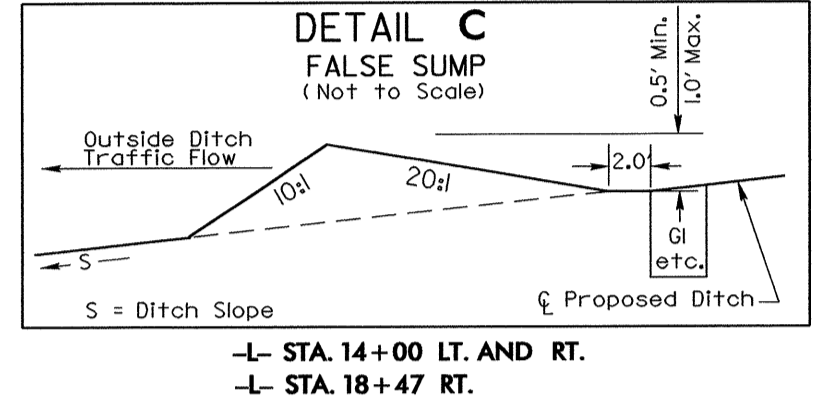
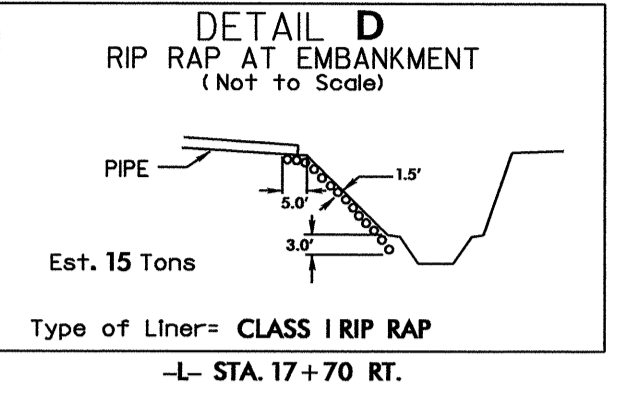
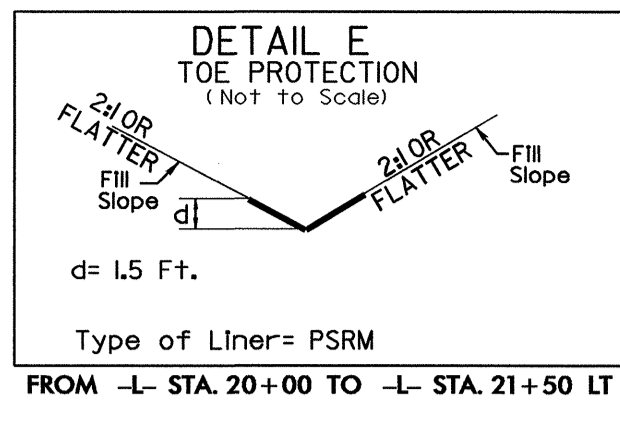
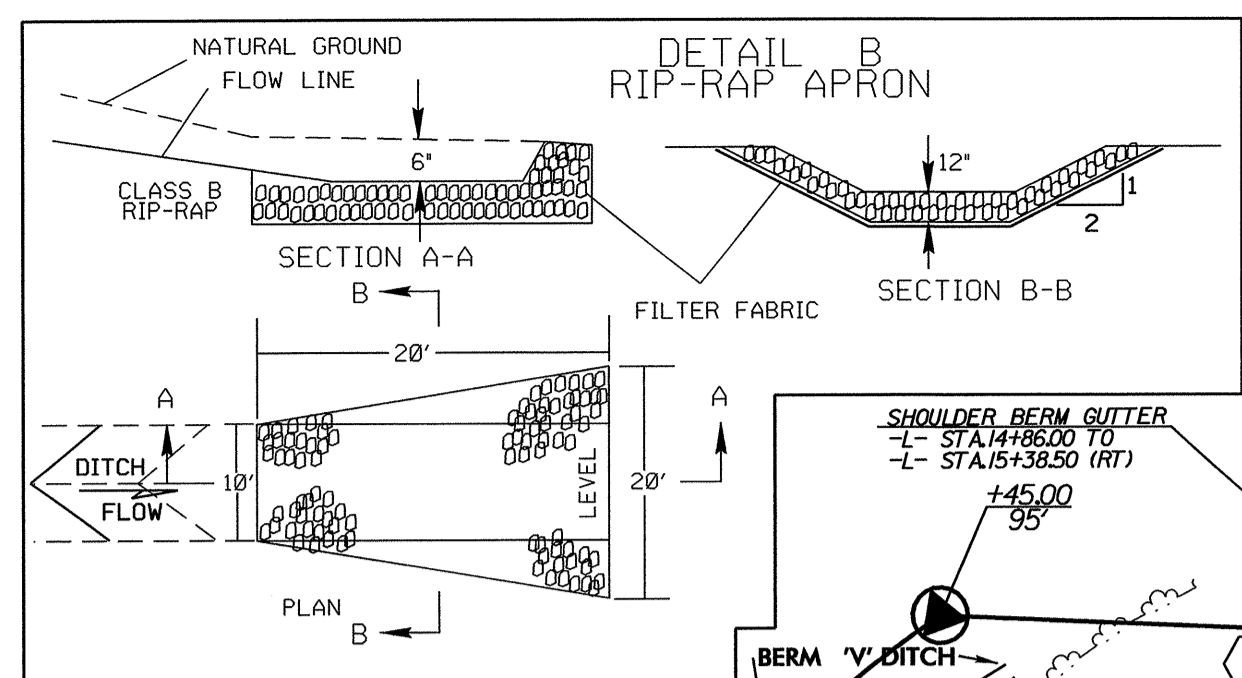
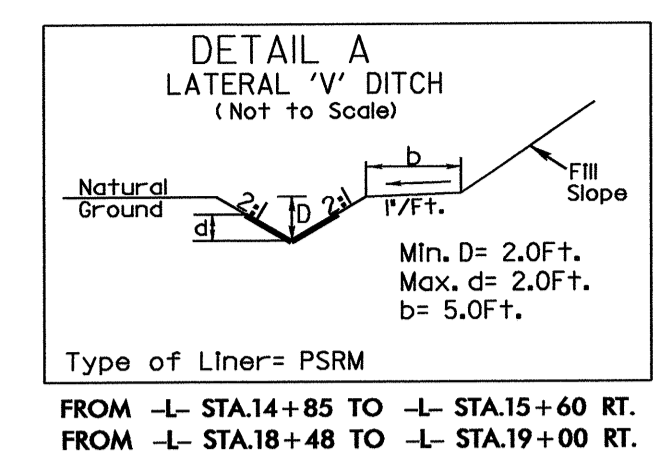
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTE:
UTILIZE SPECIAL STILLING BASIN
WHERE APPLICABLE.

- PAVED SHOULDER
- PAVEMENT REMOVAL (OBLITERATE)
- BRIDGE APPROACH SLAB

SBG SHOULDER BERM GUTTER
FOR -L- PROFILE SEE SHEET 5
FOR STRUCTURE PLANS SEE SHEET S-__ THRU S-__

PROJECT REFERENCE NO. B-3697	SHEET NO. EC-5/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



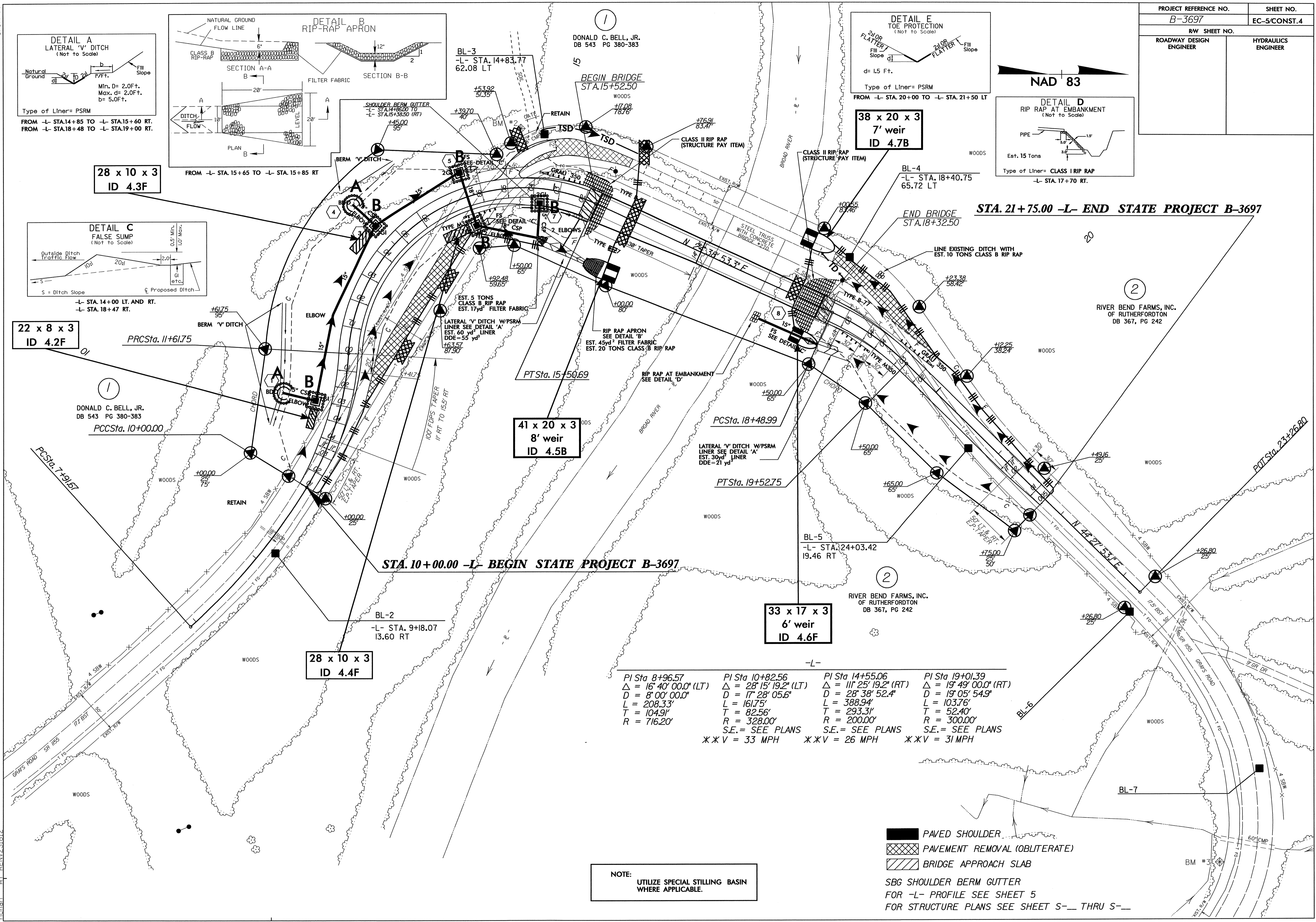
22 x 8 x 3
ID 4.2F

28 x 10 x 3
ID 4.3F

41 x 20 x 3
8' weir
ID 4.5B

33 x 17 x 3
6' weir
ID 4.6F

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 RICHAN AT REV231812



DONALD C. BELL, JR.
DB 543 PG 380-383

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DB 543 PG 380-383

RIVER BEND FARMS, INC.
OF RUTHERFORDTON
DB 367, PG 242

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OF RUTHERFORDTON
DB 367, PG 242

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S.E. = SEE PLANS		S.E. = SEE PLANS	
**V = 33 MPH		**V = 26 MPH	

NOTE:
UTILIZE SPECIAL STILLING BASIN
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SBG SHOULDER BERM GUTTER
FOR -L- PROFILE SEE SHEET 5
FOR STRUCTURE PLANS SEE SHEET S- THRU S-