

TIP PROJECT: B-3672

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

JOHNSTON COUNTY

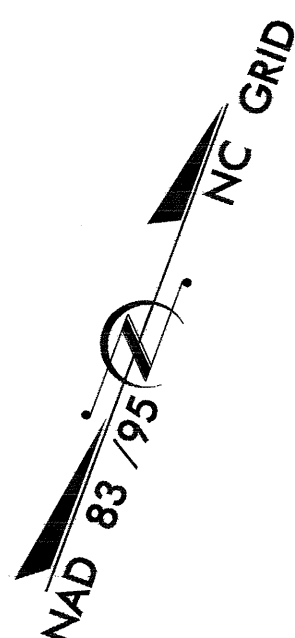
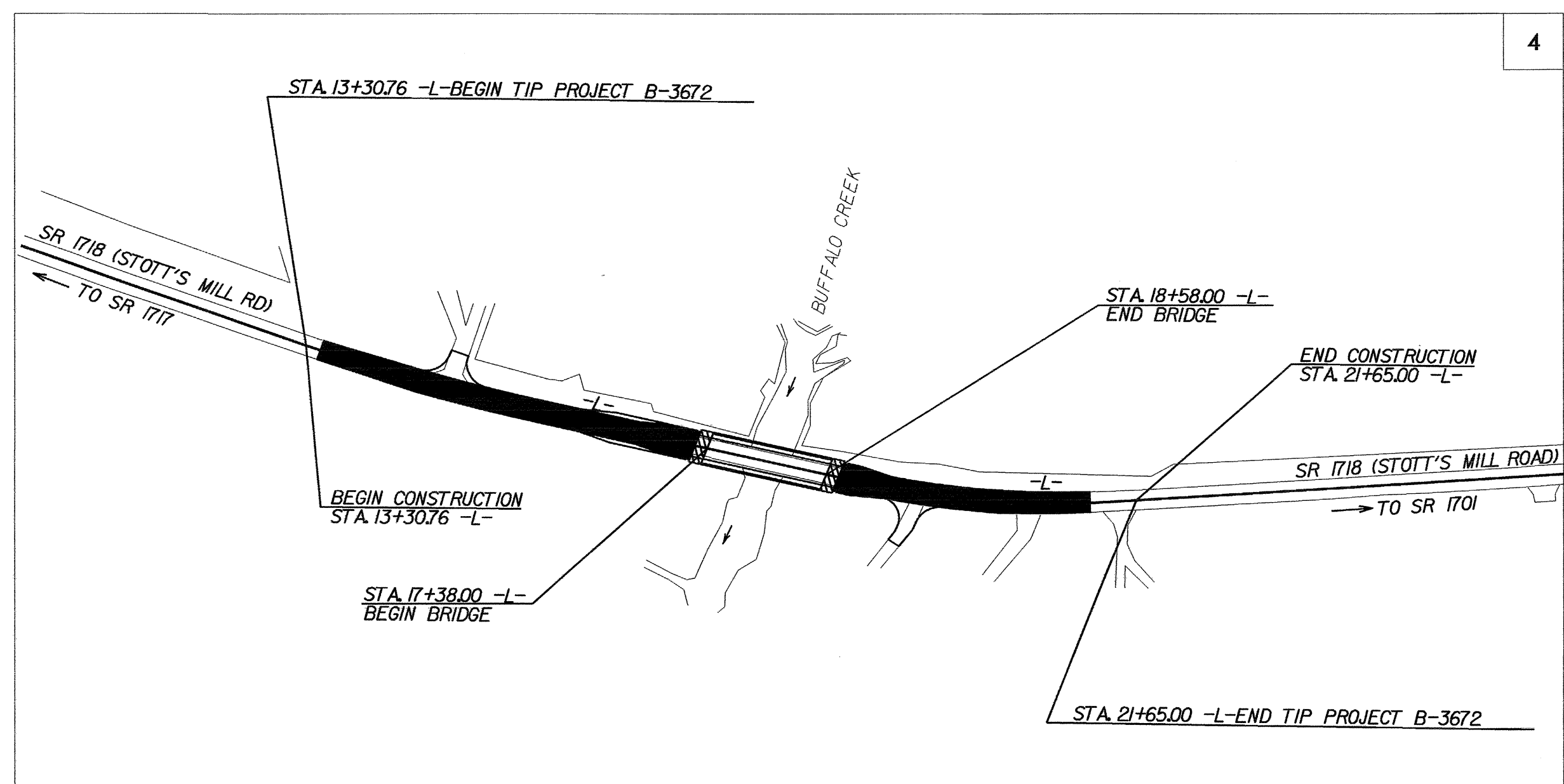
**LOCATION: BRIDGE NO. 415 OVER BUFFALO CREEK
 ON SR 1718 (STOTT'S MILL ROAD)**

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3672	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	



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

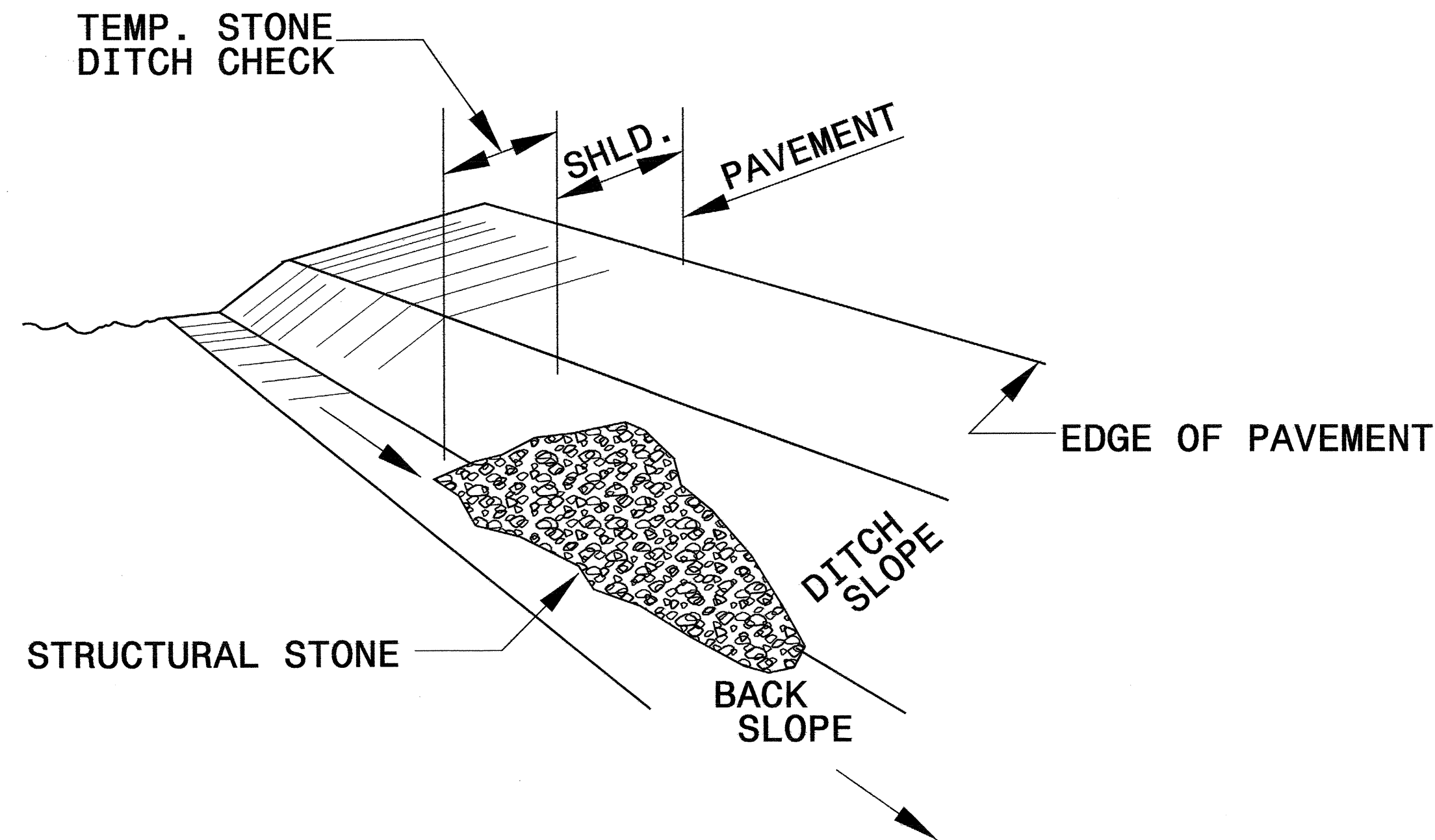
**THIS PROJECT HAS
 BEEN DESIGNED TO
 SENSITIVE WATERSHED
 STANDARDS.**

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

<p>GRAPHIC SCALE</p> <p>0 </p> <p>PLANS</p> <p>0 </p> <p>PROFILE (HORIZONTAL)</p> <p>0 </p> <p>PROFILE (VERTICAL)</p>	<p>ROADSIDE ENVIRONMENTAL UNIT DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA</p>		<p>Prepared In the Office of: ROADSIDE ENVIRONMENTAL UNIT 1 South Wilmington St. Raleigh, NC 27611</p> <p>2006 STANDARD SPECIFICATIONS</p>	<p>Roadway Standard Drawings</p> <p>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.</p> <table style="width: 100%;"> <tr> <td>1605.01 Temporary Silt Fence</td> <td>1632.03 Rock Inlet Sediment Trap Type C</td> </tr> <tr> <td>1607.01 Gravel Construction Entrance</td> <td>1633.01 Temporary Rock Silt Check Type A</td> </tr> <tr> <td>1622.01 Temporary Berms and Slope Drains</td> <td>1634.02 Temporary Rock Sediment Dam Type B</td> </tr> <tr> <td>1630.05 Temporary Diversion</td> <td></td> </tr> </table>	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	1630.05 Temporary Diversion	
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PROJECT REFERENCE NO. B-3672	SHEET NO. EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

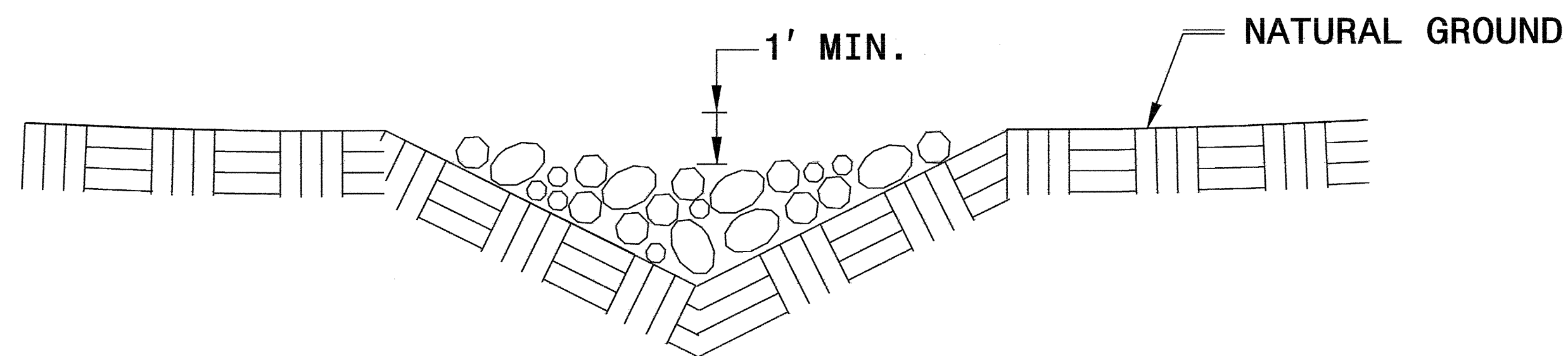


ISOMETRIC VIEW

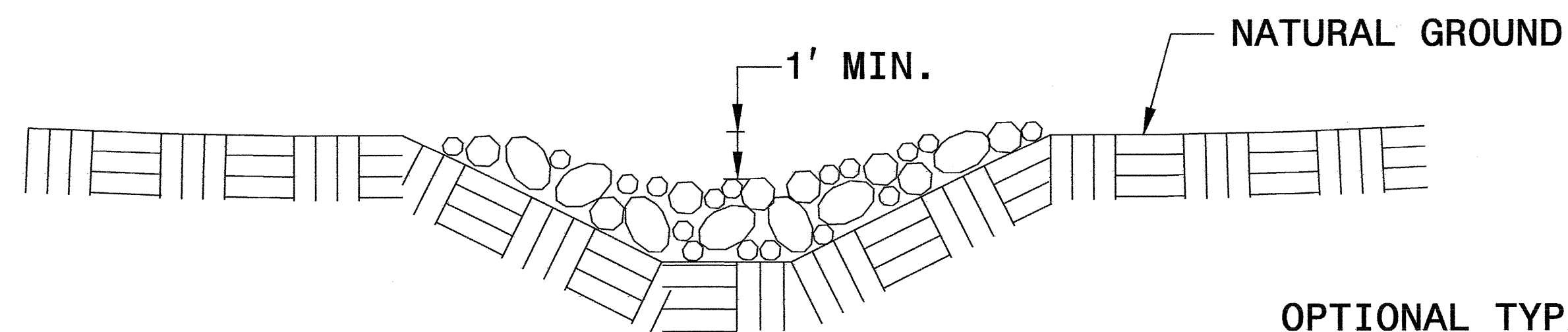
NOTES:

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

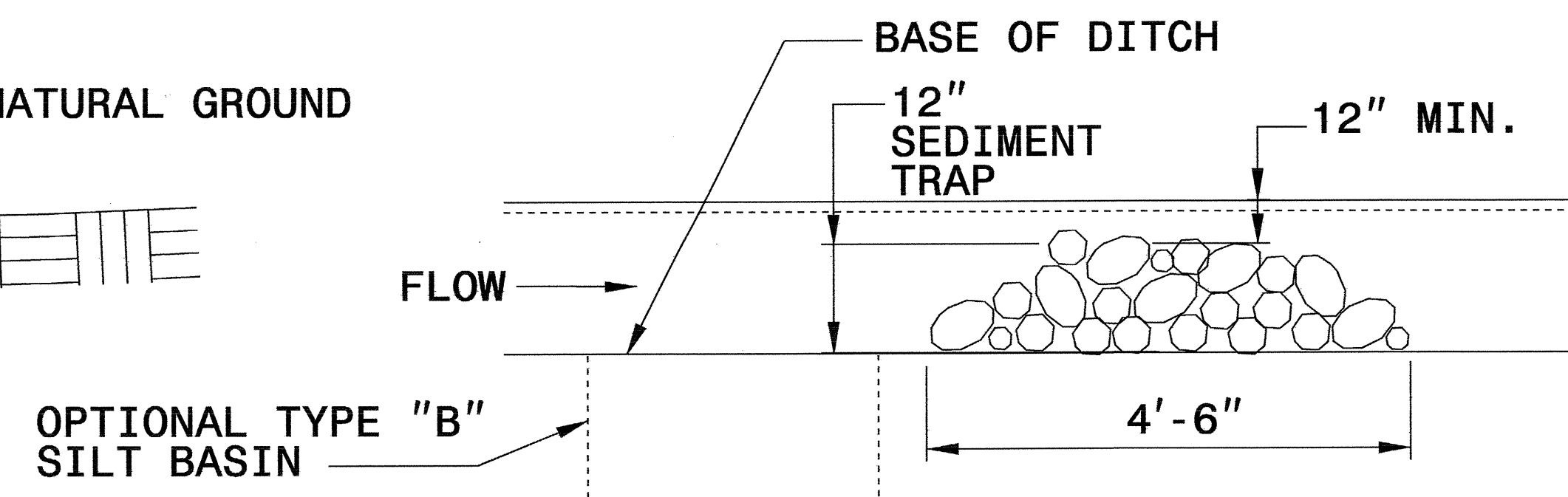
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



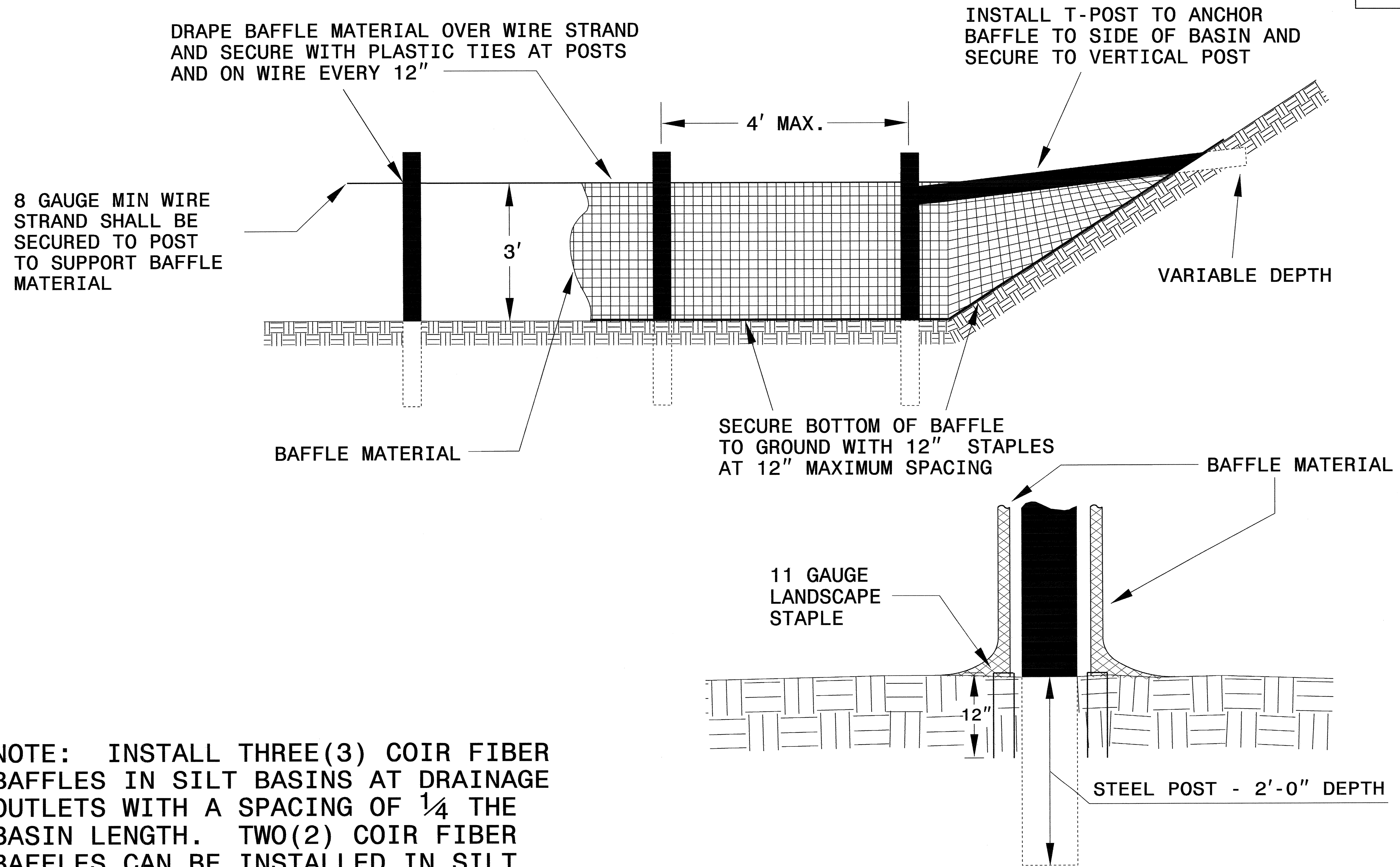
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. B-3672	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

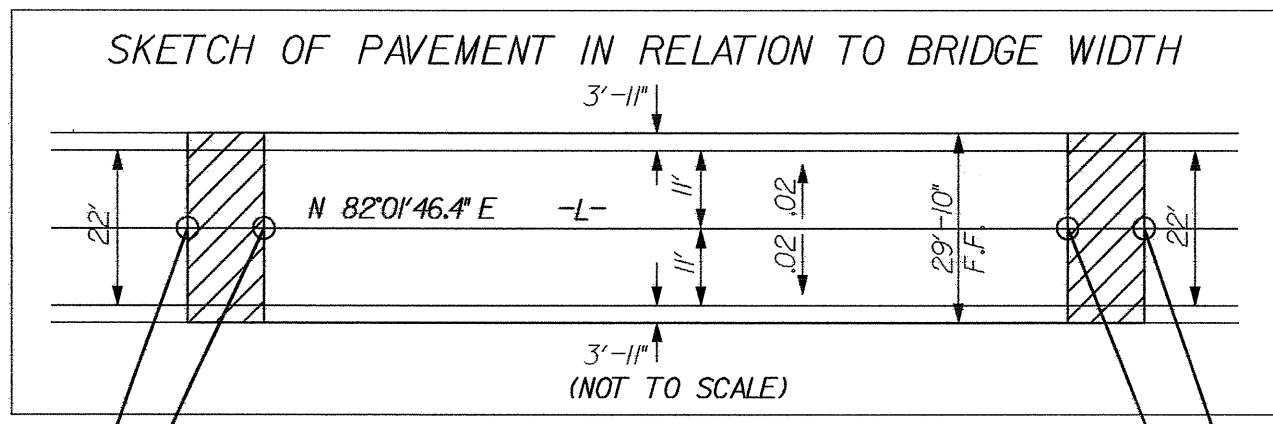
COIR FIBER BAFFLE DETAIL



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

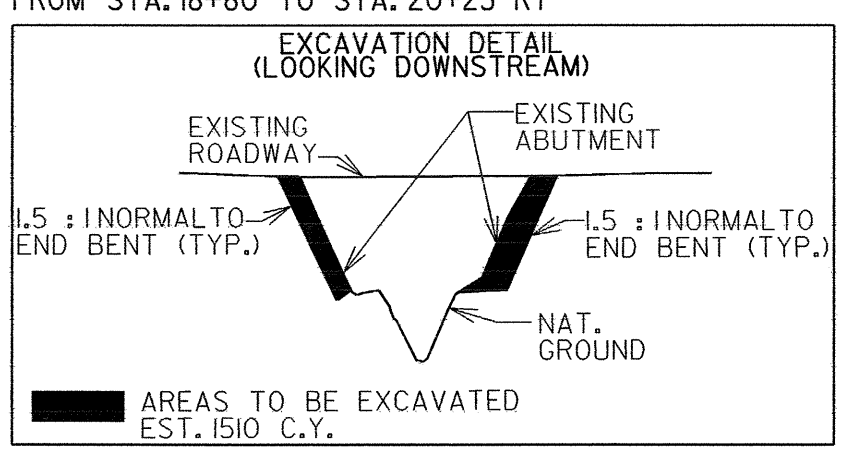
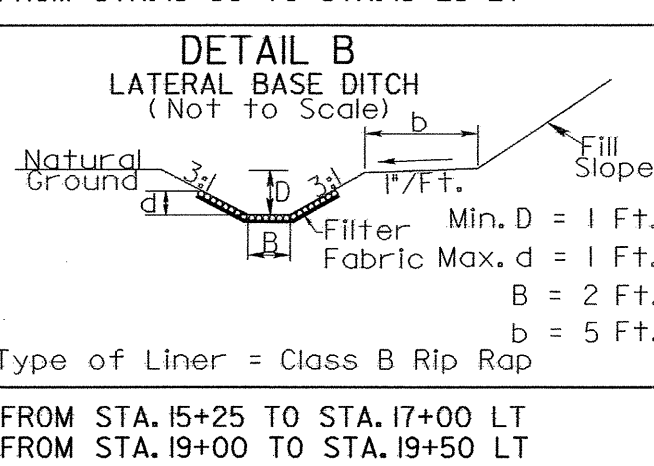
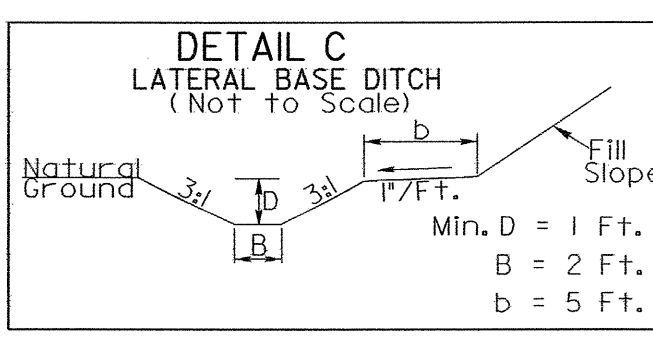
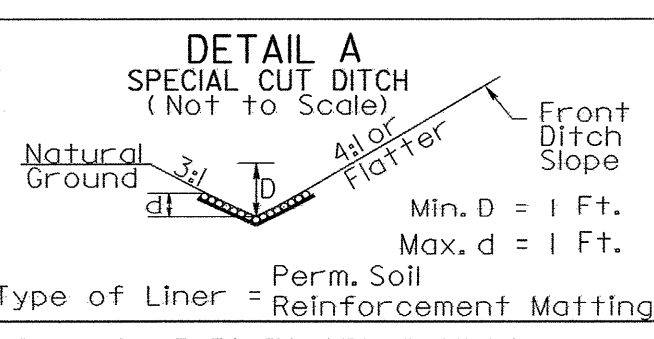
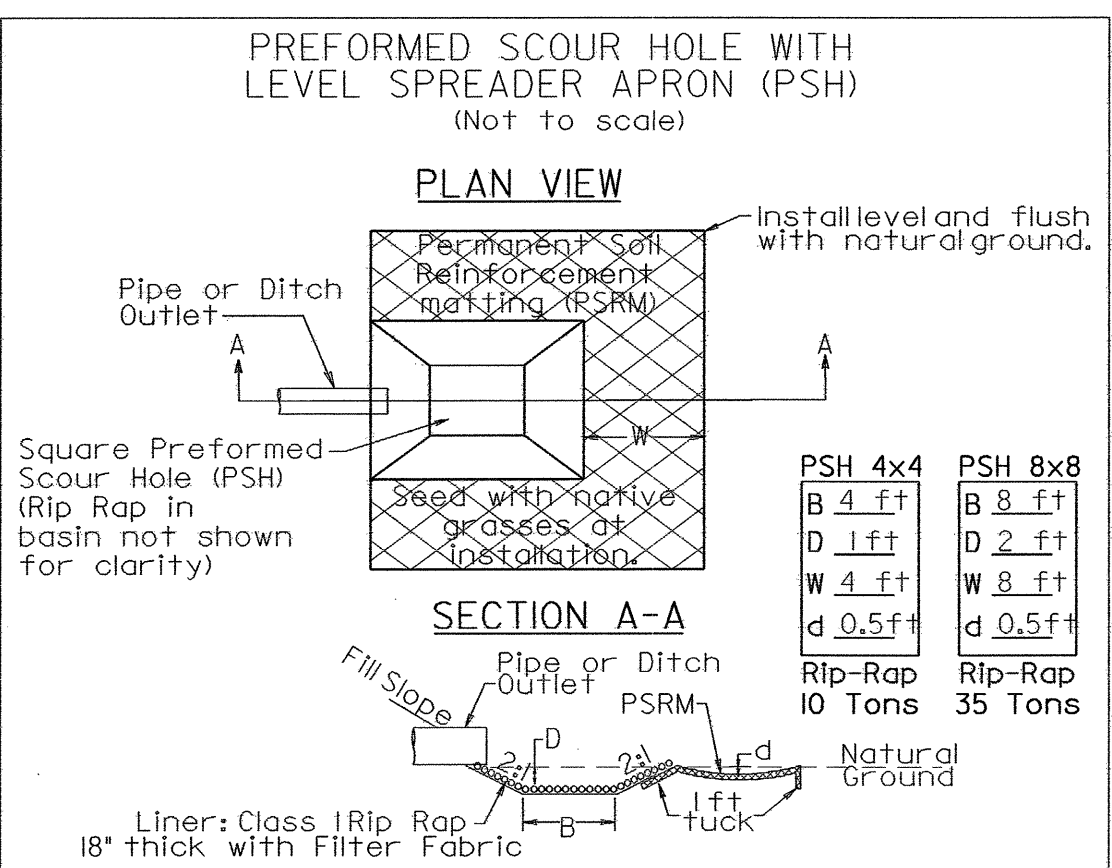
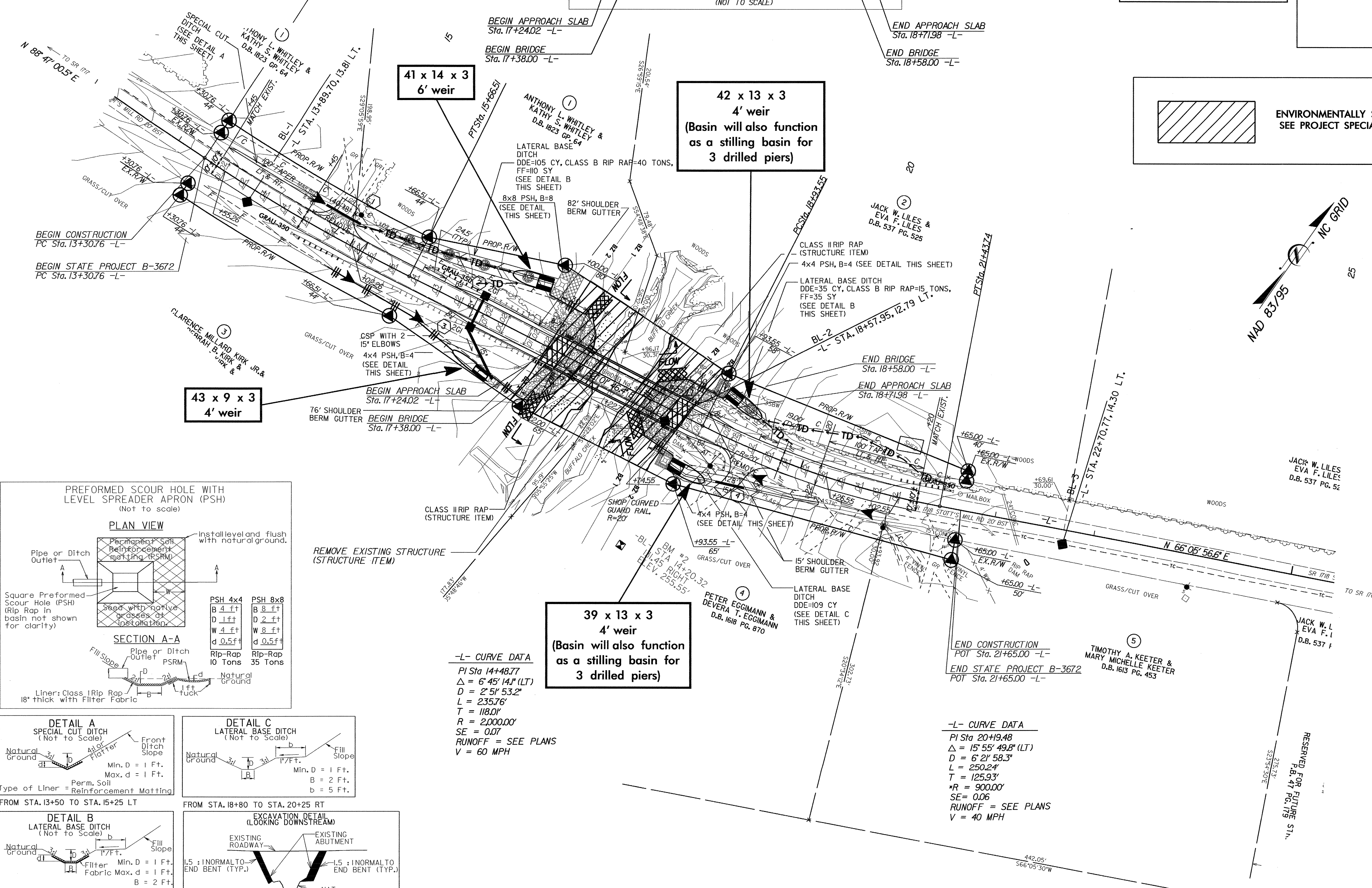
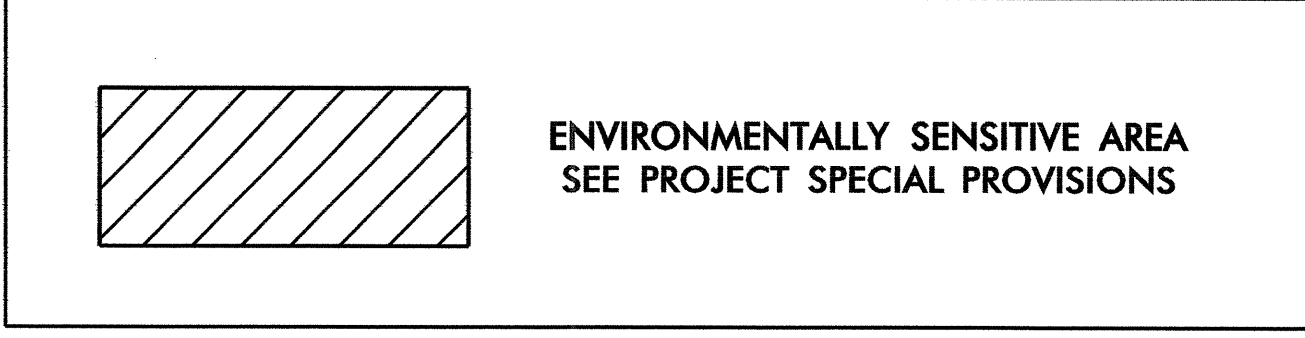
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

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



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 4



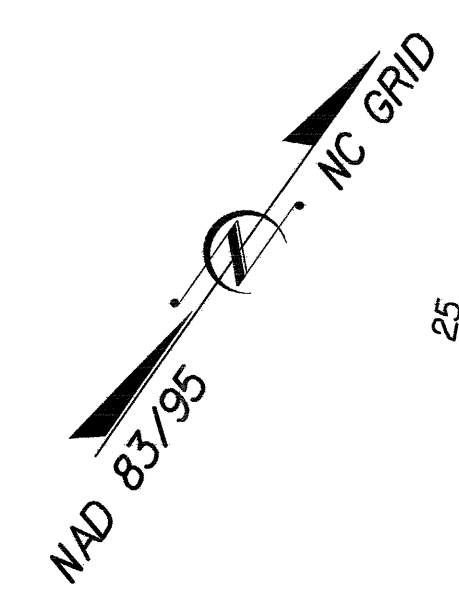
-L- CURVE DATA
 PI Sta 14+48.77
 $\Delta = 6' 45' 14.1''$ (LT)
 $D = 2' 51' 53.2''$
 $L = 235.76'$
 $T = 118.01'$
 $R = 2,000.00'$
 $SE = 0.07$
 RUNOFF = SEE PLANS
 $V = 60$ MPH

-L- CURVE DATA
 PI Sta 20+19.48
 $\Delta = 15' 55' 49.8''$ (LT)
 $D = 6' 21' 58.3''$
 $L = 250.24'$
 $T = 125.93'$
 $R = 900.00'$
 $SE = 0.06$
 RUNOFF = SEE PLANS
 $V = 40$ MPH

*DESIGN EXCEPTION FOR HORIZONTAL CURVE RADIUS & SUPERELEVATION.



NOTES:
 1. SEE SHEETS S-1 THRU S-2 FOR STRUCTURE PLANS.
 2. SEE SHEET 5 FOR GRADE AND PROFILE.
 3. ALL PROPOSED DRIVEWAY RADII 25 FT UNLESS OTHERWISE SHOWN.

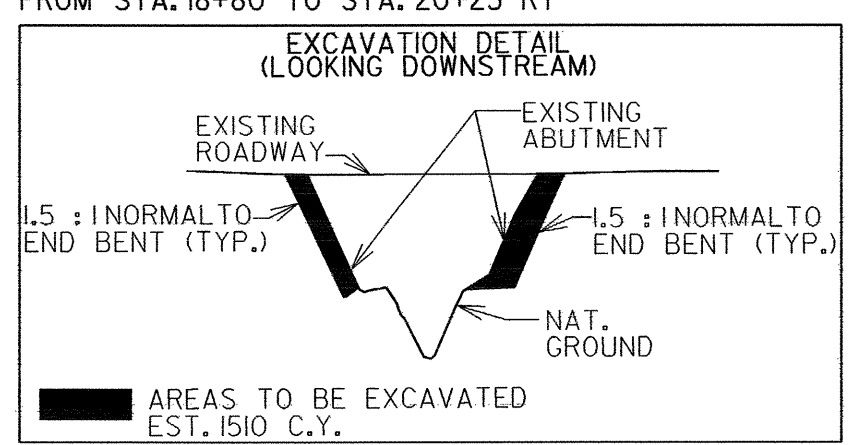
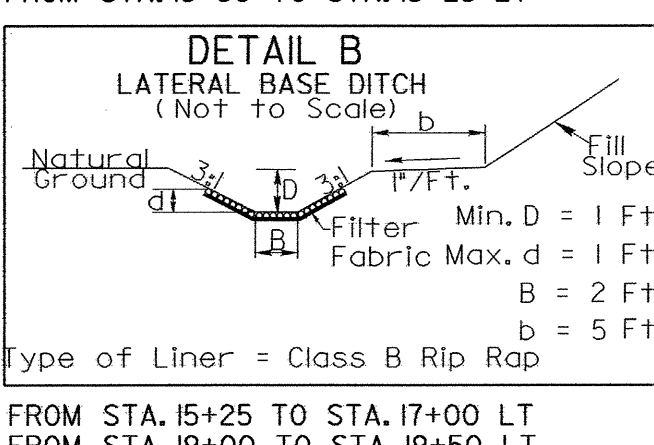
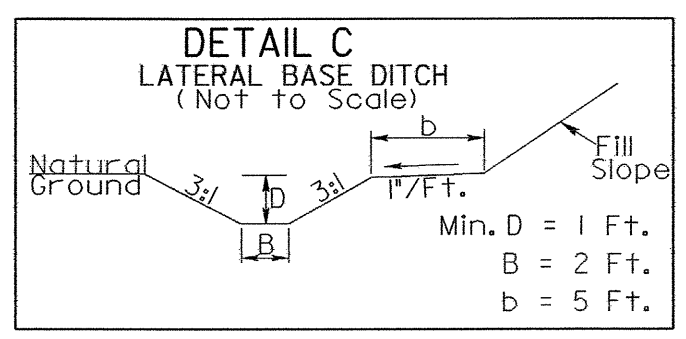
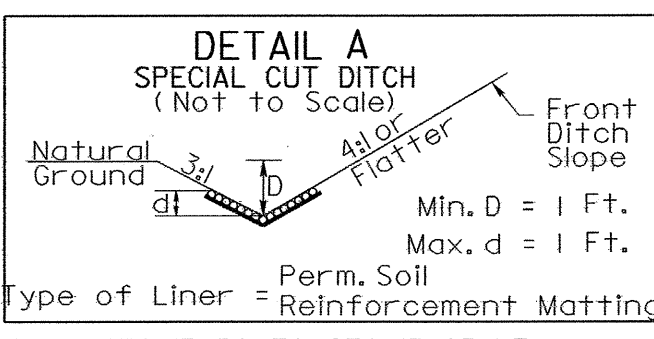
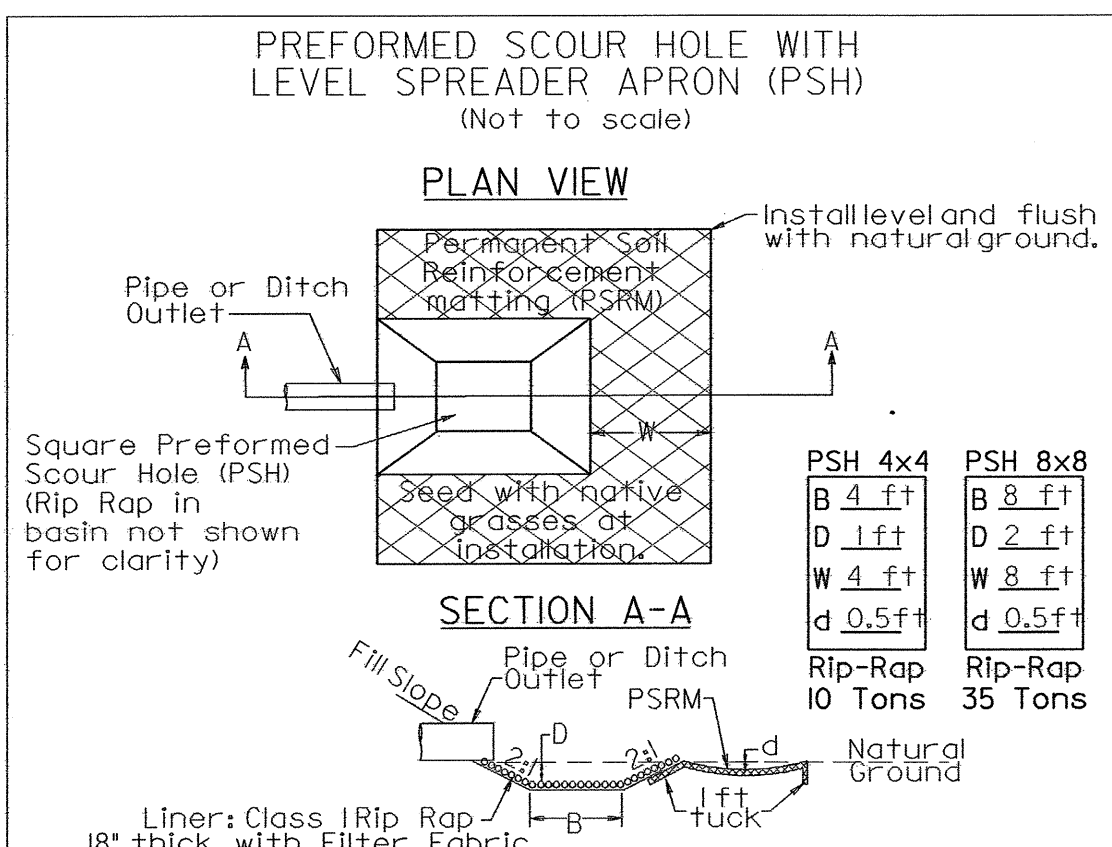
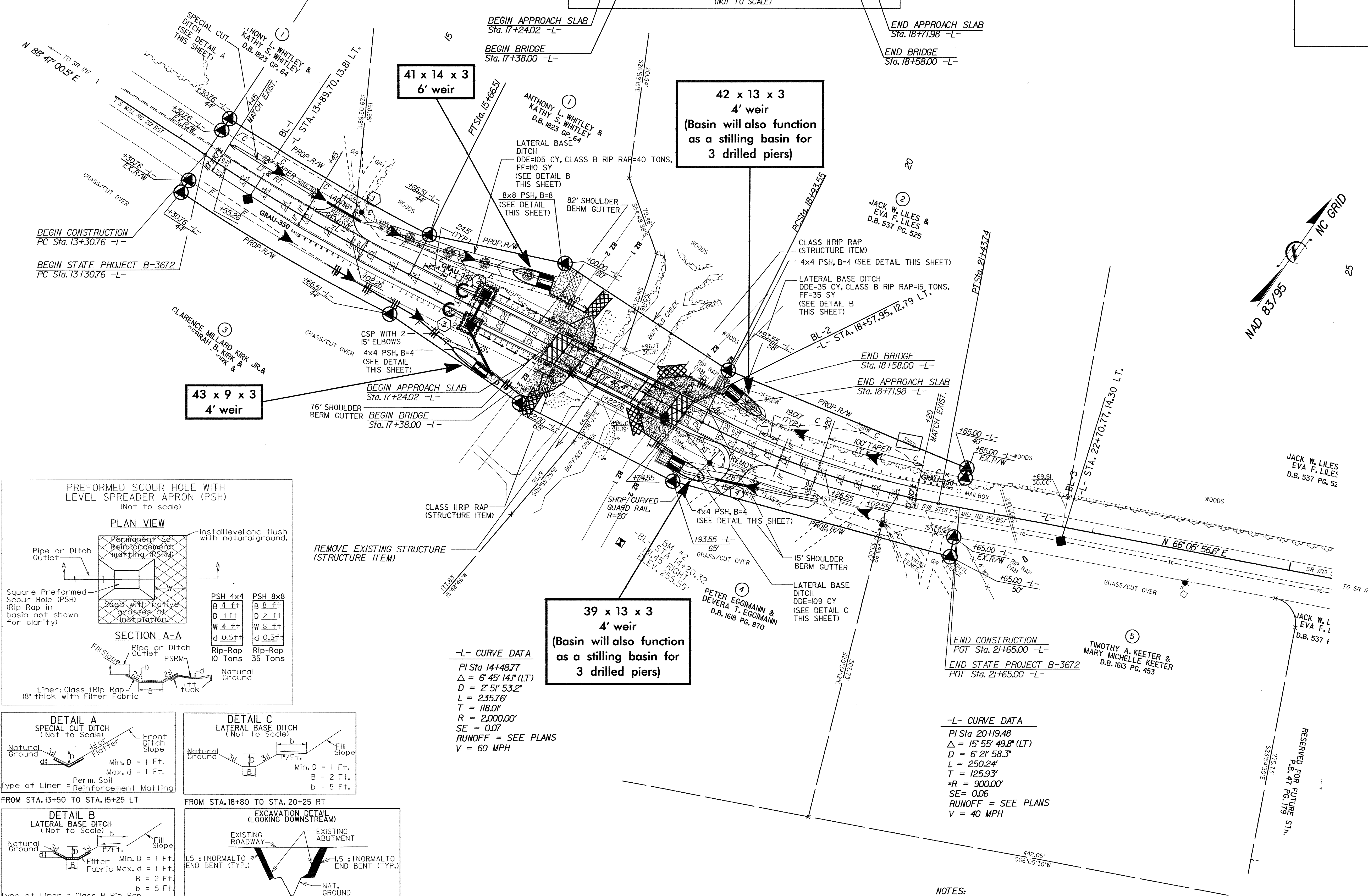
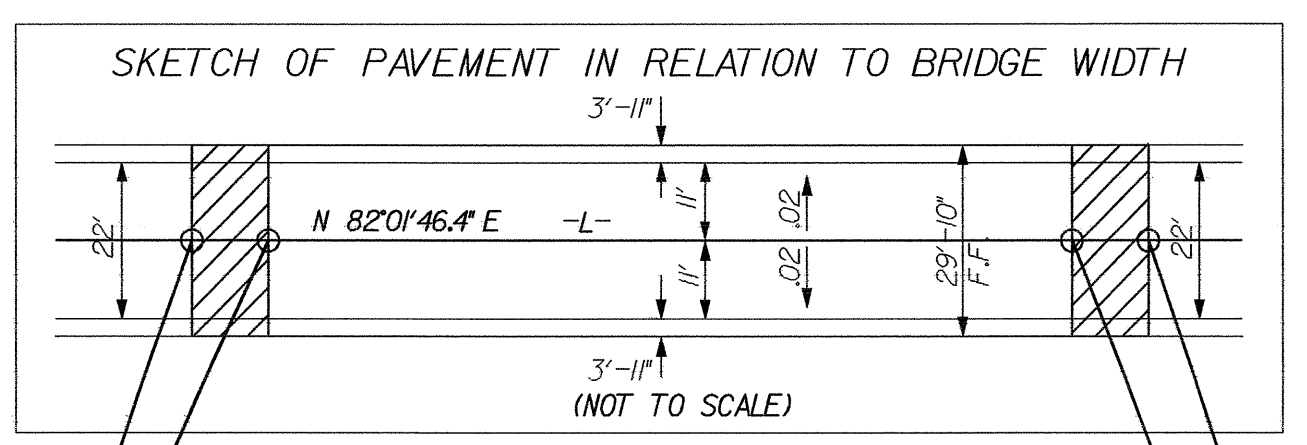


JACK W. LILES & EVA F. LILES D.B. 537 PG. 52
 JACK W. LILES & EVA F. LILES D.B. 537 PG. 52
 TIMOTHY A. KEETER & MARY MICHELLE KEETER D.B. 1613 PG. 453

RESERVED FOR FUTURE STA. P.B. 47 PG. 179

PROJECT REFERENCE NO.	SHEET NO.
B-3672	EC-5/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



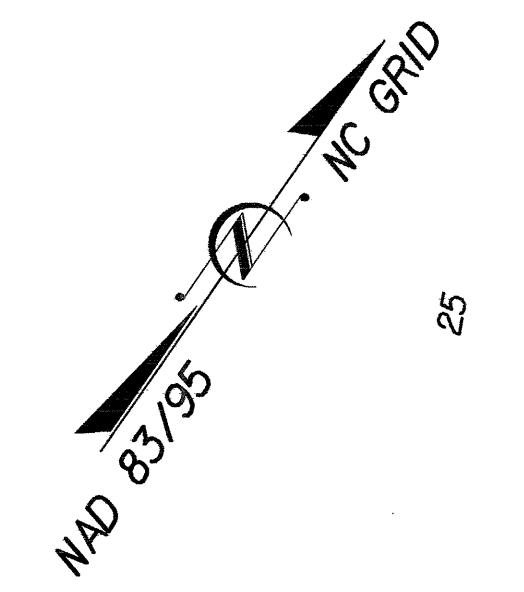
-L- CURVE DATA
 PI Sta 14+48.77
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 $D = 2' 51'' 53.2''$
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NOTES:
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 2. SEE SHEET 5 FOR GRADE AND PROFILE.
 3. ALL PROPOSED DRIVEWAY RADII 25 FT UNLESS OTHERWISE SHOWN.



JACK W. LILES
 EVA F. LILES
 D.B. 537 PG. 52

TIMOTHY A. KEETER &
 MARY MICHELLE KEETER
 D.B. 1613 PG. 453

RESERVED FOR FUTURE STN.
 328.73'
 328.73'