

TIP PROJECT: B-4071

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

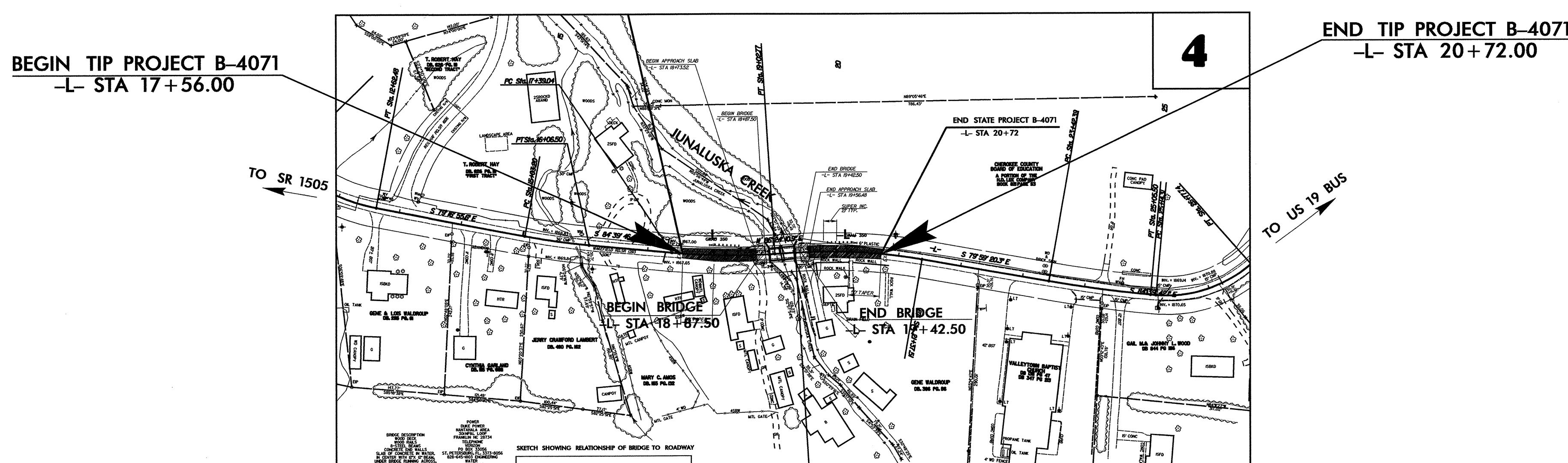
LOCATION: BRIDGE NO. 32 OVER JUNALUSKA CREEK ON S.R. 1393 (WAKEFIELD RD.)
TYPE OF WORK: GRADING, PAVING, GUARDRAIL, DRAINAGE, AND STRUCTURE



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4071	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.

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.

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

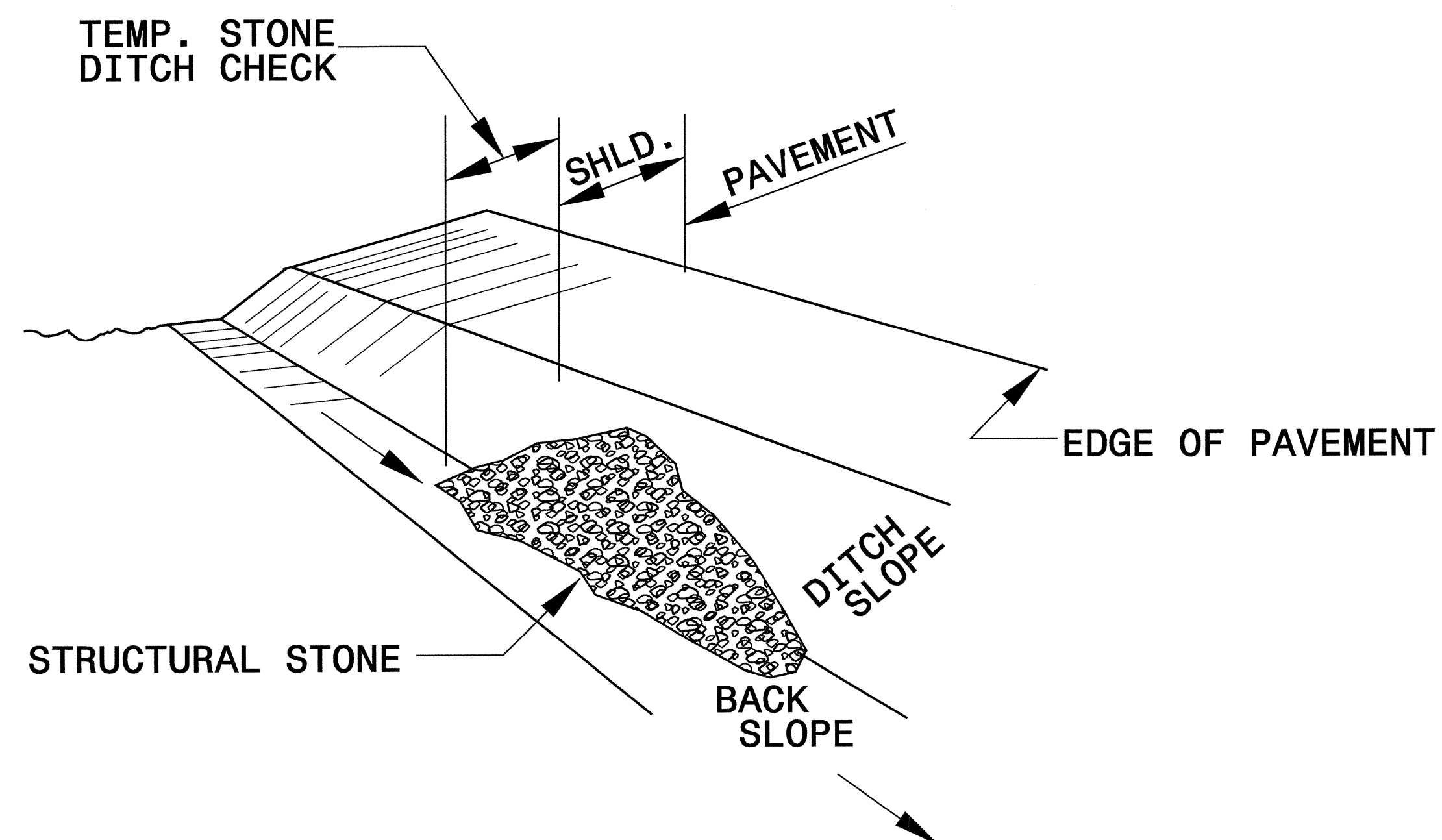
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1633.01 Temporary Rock Silt Check Type A
1607.01 Gravel Construction Entrance	
1630.02 Silt Basin Type B	

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PROJECT REFERENCE NO. B-4071	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

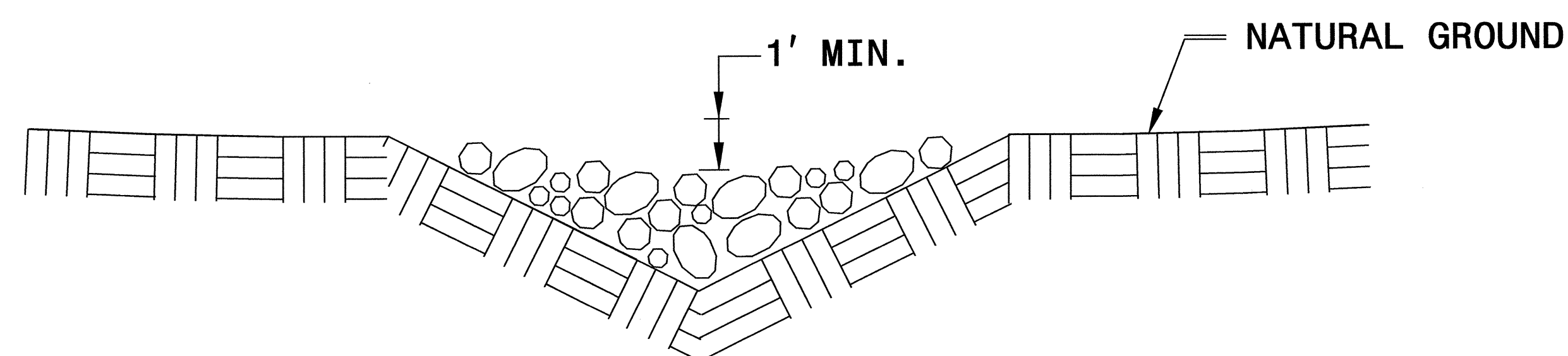


ISOMETRIC VIEW

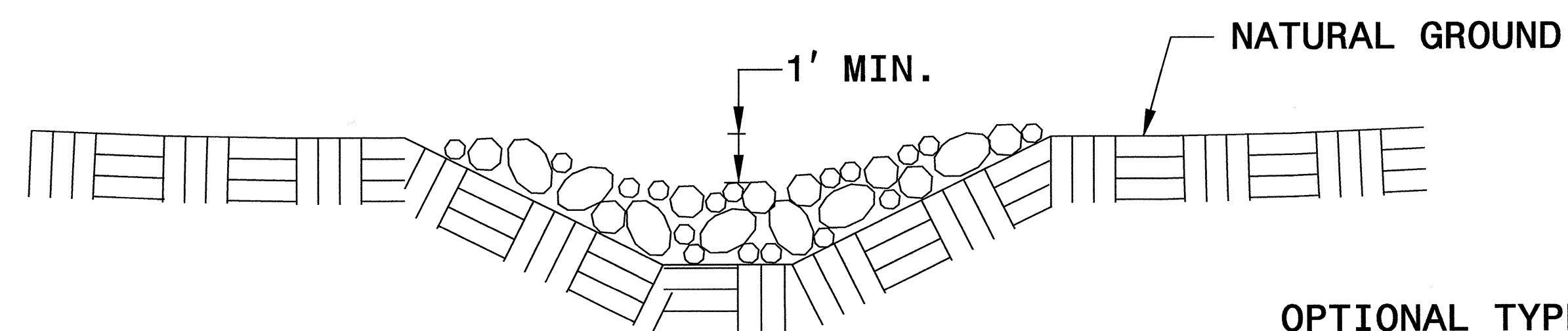
NOTES:

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

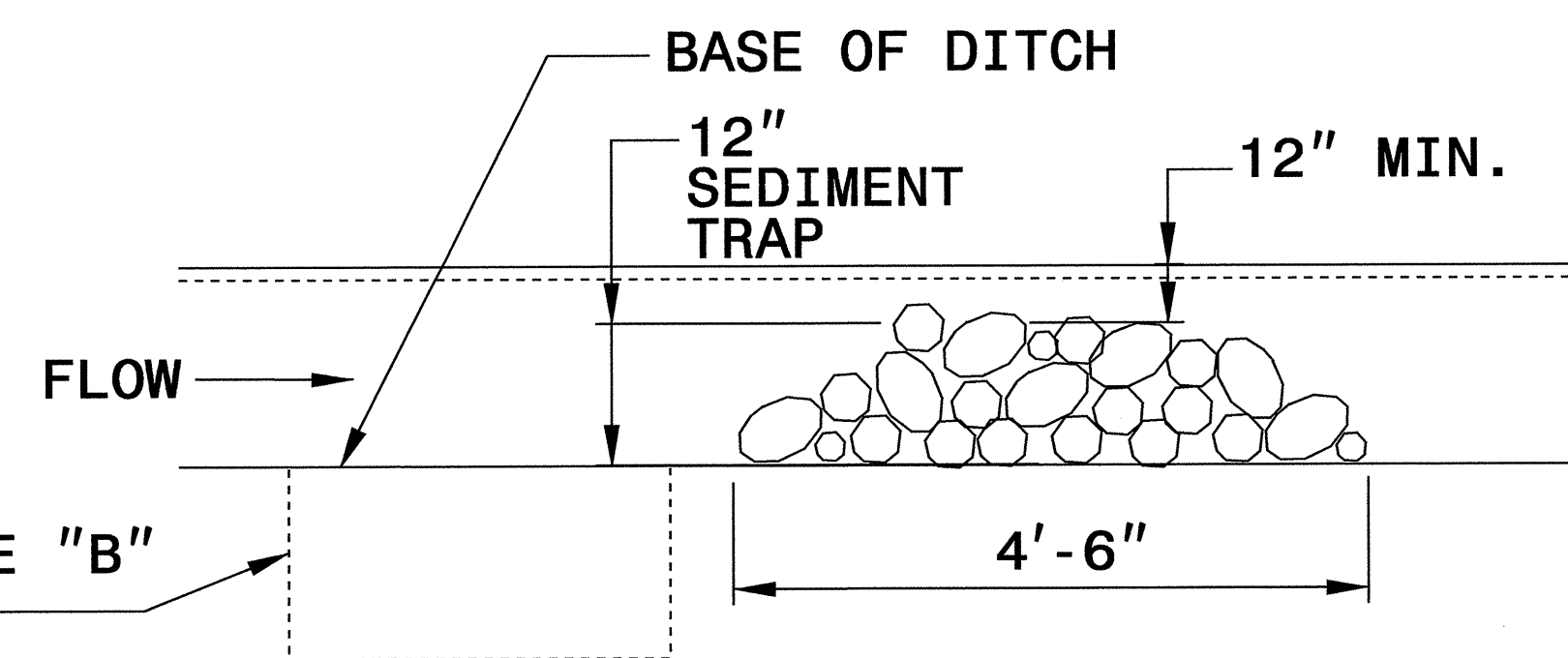
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



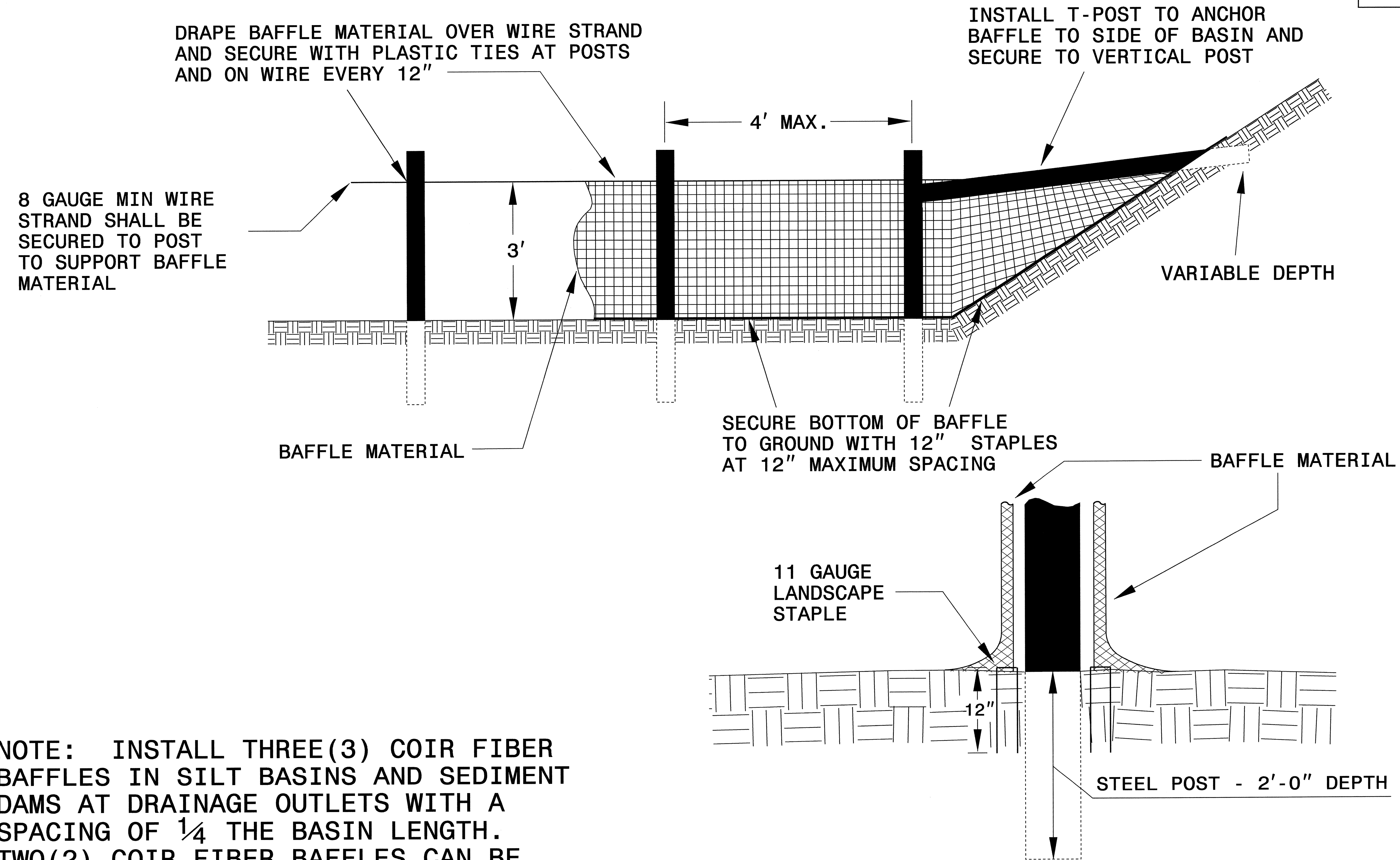
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. B-4071	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.

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PROJECT REFERENCE NO. B-4071	SHEET NO. EC-3/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 5 FOR PROFILES

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

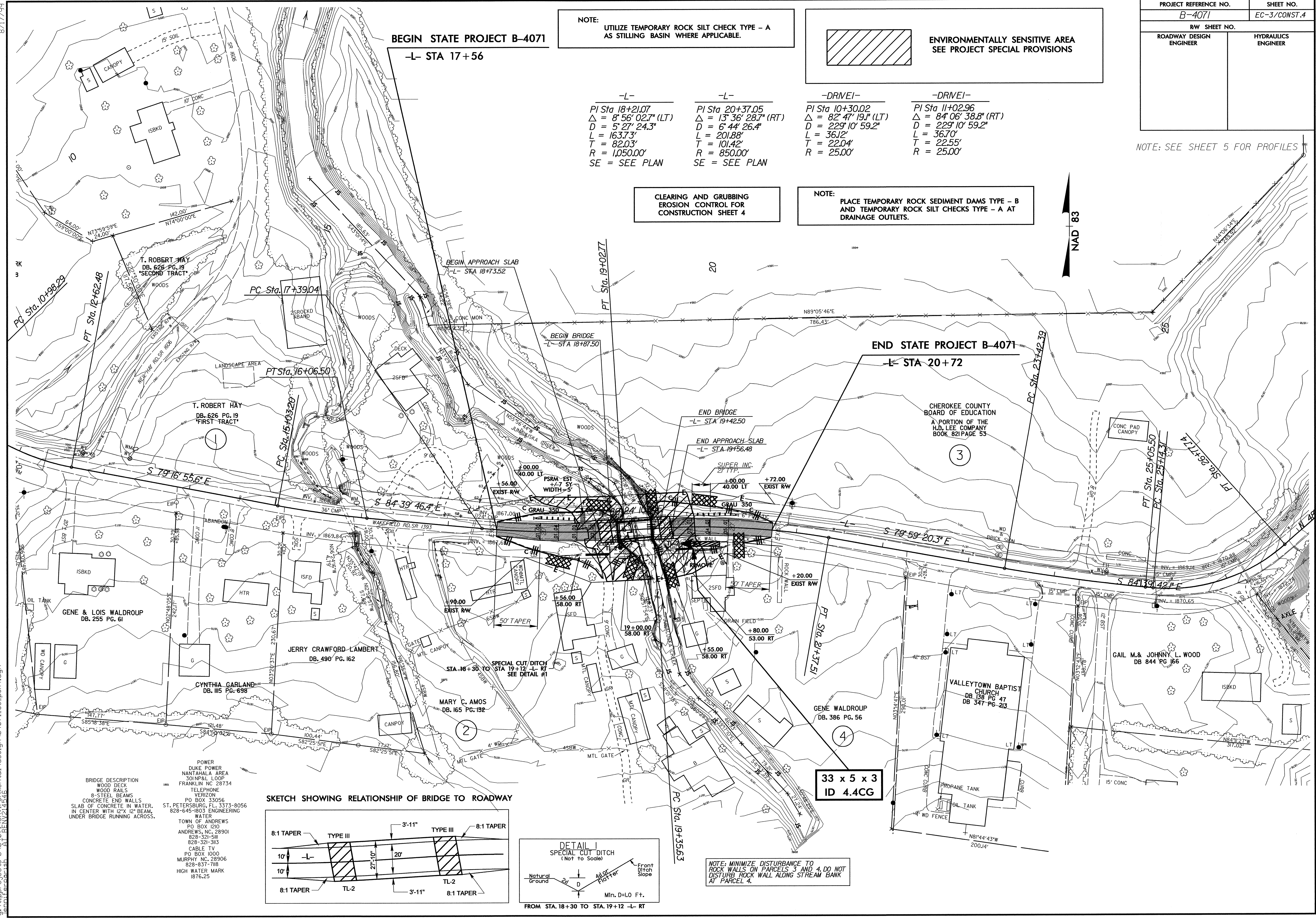
ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

BEGIN STATE PROJECT B-4071
 -L- STA 17+56

-L-	-L-	-DRVEI-	-DRVEI-
PI Sta 18+21.07	PI Sta 20+37.05	PI Sta 10+30.02	PI Sta 11+02.96
$\Delta = 8' 56'' 02.7''$ (LT)	$\Delta = 13' 36'' 28.7''$ (RT)	$\Delta = 82' 47'' 19.1''$ (LT)	$\Delta = 84' 06'' 38.8''$ (RT)
D = 5' 27' 24.3"	D = 6' 44' 26.4"	D = 229' 10' 59.2"	D = 229' 10' 59.2"
L = 163.73'	L = 201.88'	L = 36.12'	L = 36.70'
T = 82.03'	T = 101.42'	T = 22.04'	T = 22.55'
R = 1,050.00'	R = 850.00'	R = 25.00'	R = 25.00'
SE = SEE PLAN	SE = SEE PLAN		

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.

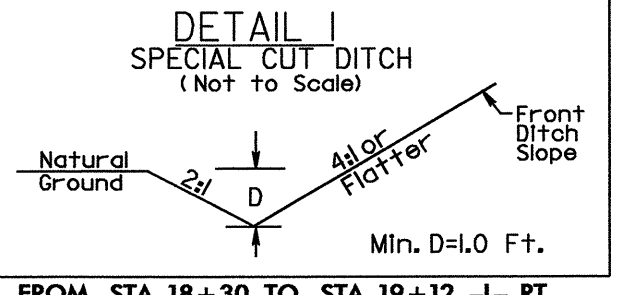
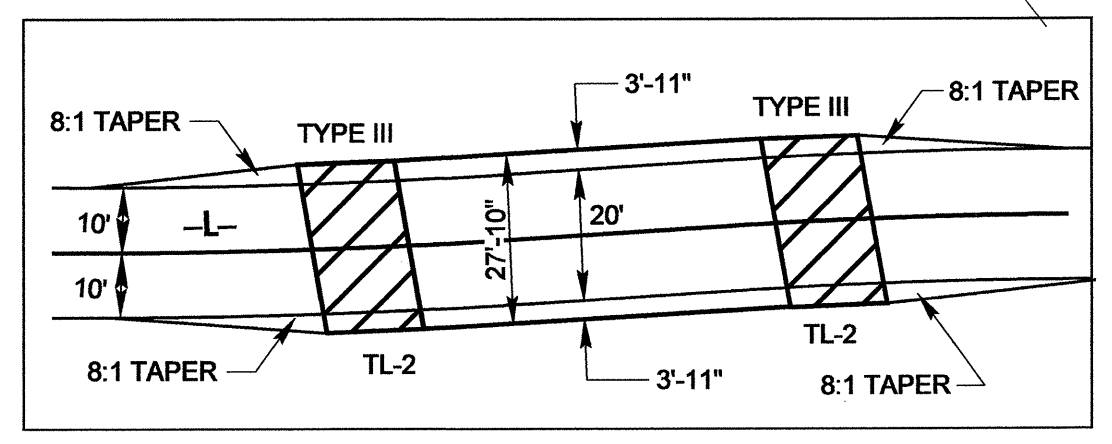


BRIDGE DESCRIPTION
 WOOD DECK
 WOOD RAILS
 8" STEEL BEAMS
 CONCRETE END WALLS
 SLAB OF CONCRETE IN WATER.
 IN CENTER WITH 12" x 12" BEAM
 UNDER BRIDGE RUNNING ACROSS.

POWER
 DUKE POWER
 NANTAHALA AREA
 301 NP&L LOOP
 FRANKLIN NC 28734
 TELEPHONE
 VERIZON
 PO BOX 33056
 ST. PETERSBURG, FL 33733-8056
 828-645-1803 ENGINEERING
 WATER

TOWN OF ANDREWS
 PO BOX 1010
 ANDREWS, NC 28901
 828-321-5111
 828-321-3113
 CABLE TV
 PO BOX 1000
 MURPHY NC 28906
 828-637-7118
 HIGH WATER MARK
 1876.25

SKETCH SHOWING RELATIONSHIP OF BRIDGE TO ROADWAY



33 x 5 x 3
 ID 4.4CG

NOTE: MINIMIZE DISTURBANCE TO ROCK WALLS ON PARCELS 3 AND 4. DO NOT DISTURB ROCK WALL ALONG STREAM BANK AT PARCEL 4.

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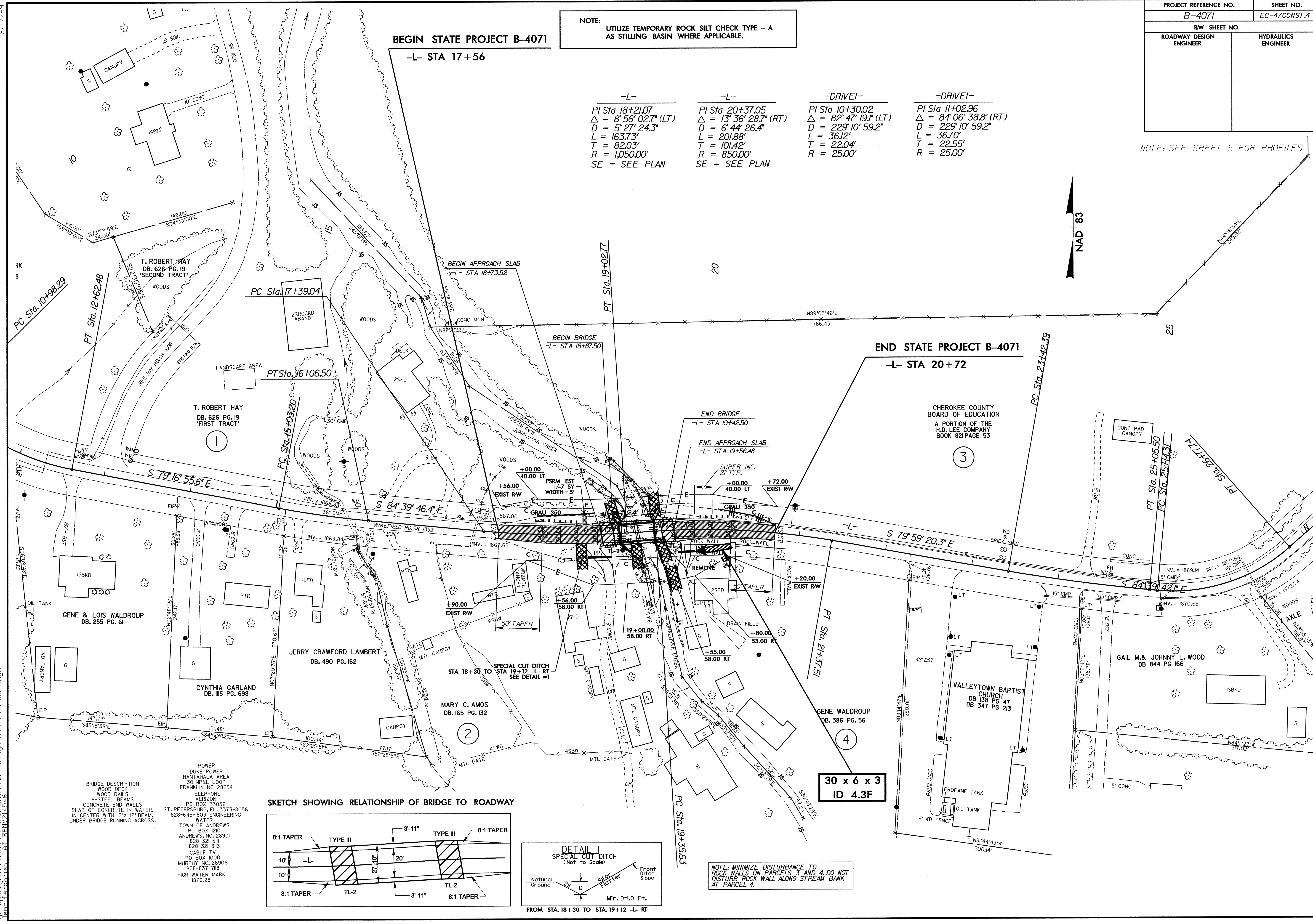
PROJECT REFERENCE NO. B-4071	SHEET NO. EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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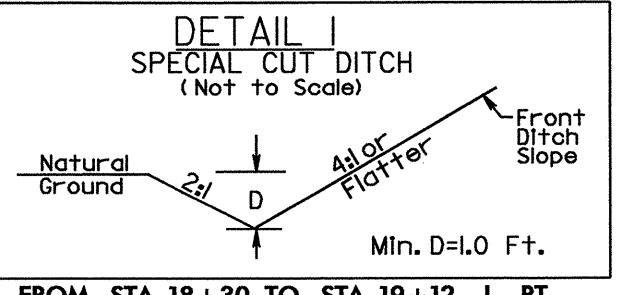
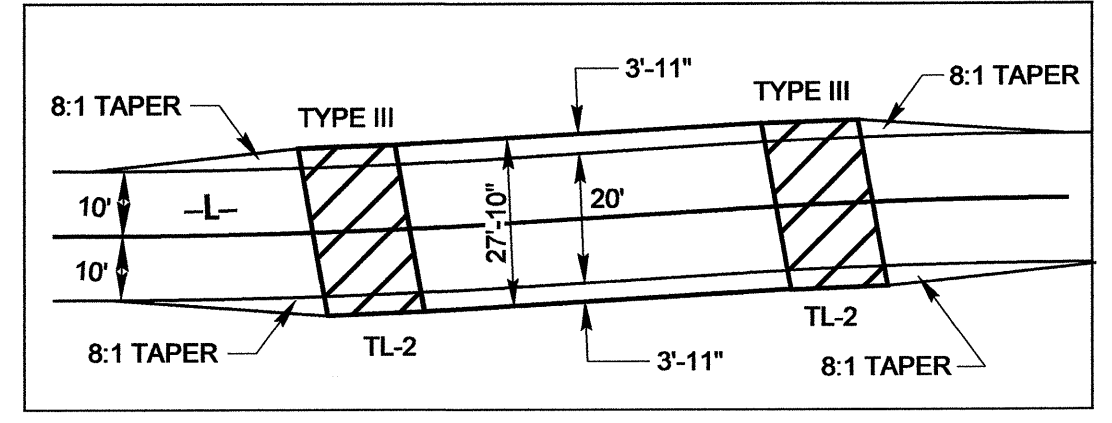
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 ID 4.3F