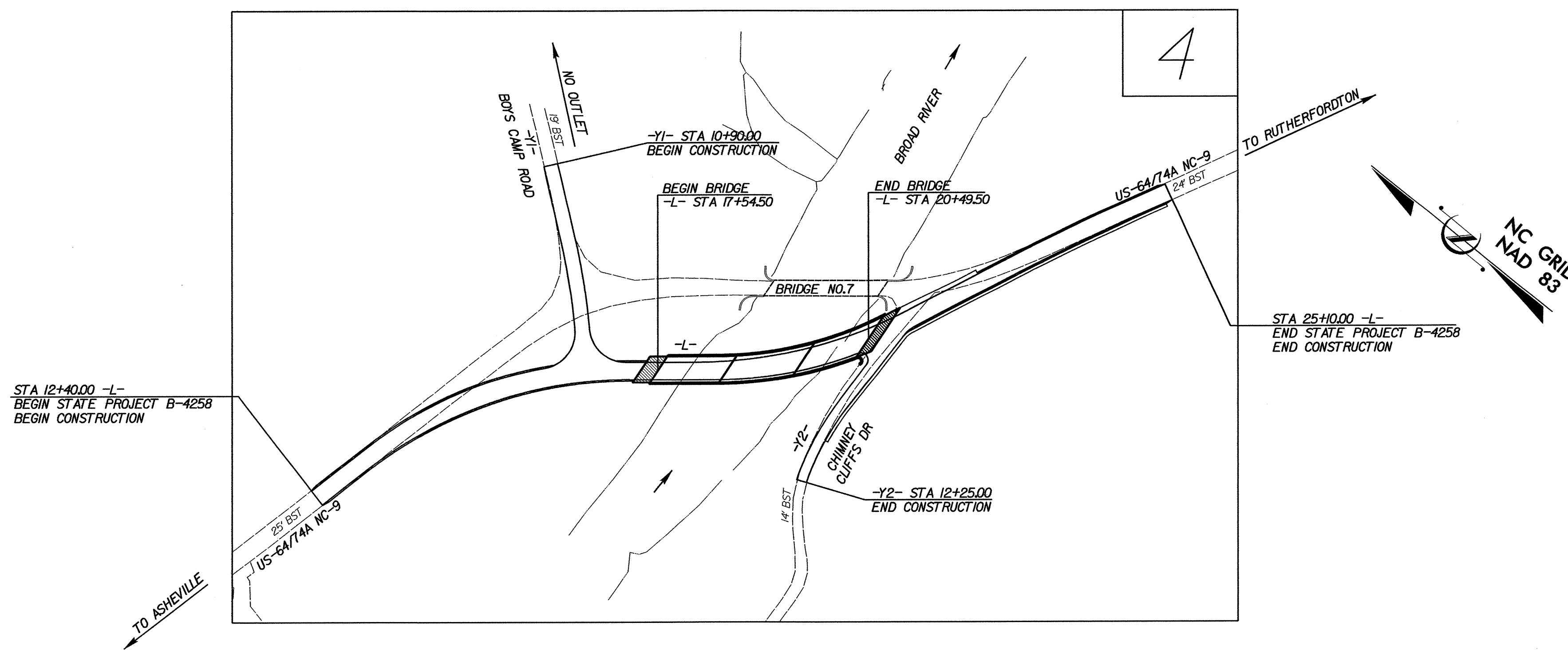


**TIP PROJECT: B-4258**

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

**LOCATION: BRIDGE NO. 7 OVER THE BROAD RIVER ON US-64**  
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4258	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

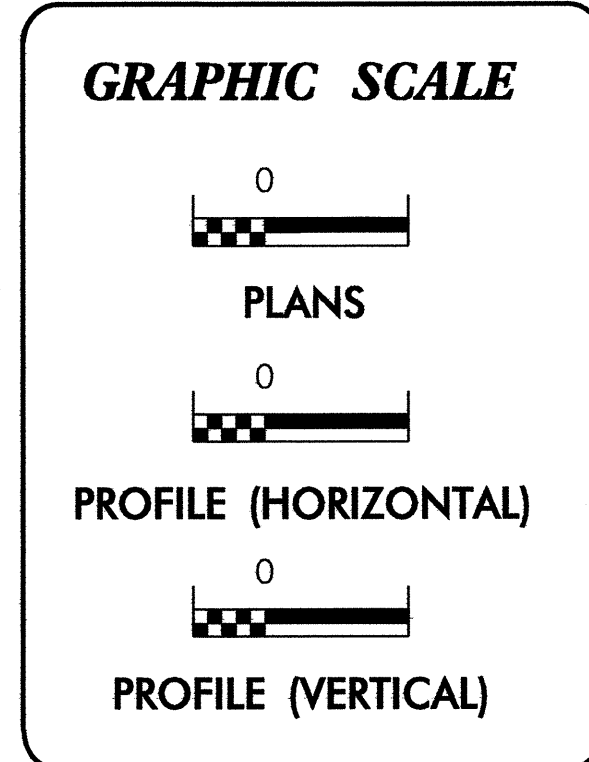
**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	—
1630.01	Riser Basin	⊙
	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
	Temporary Rock Silt Check Type-B	▨
	Wattle	—
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	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration 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.*



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**

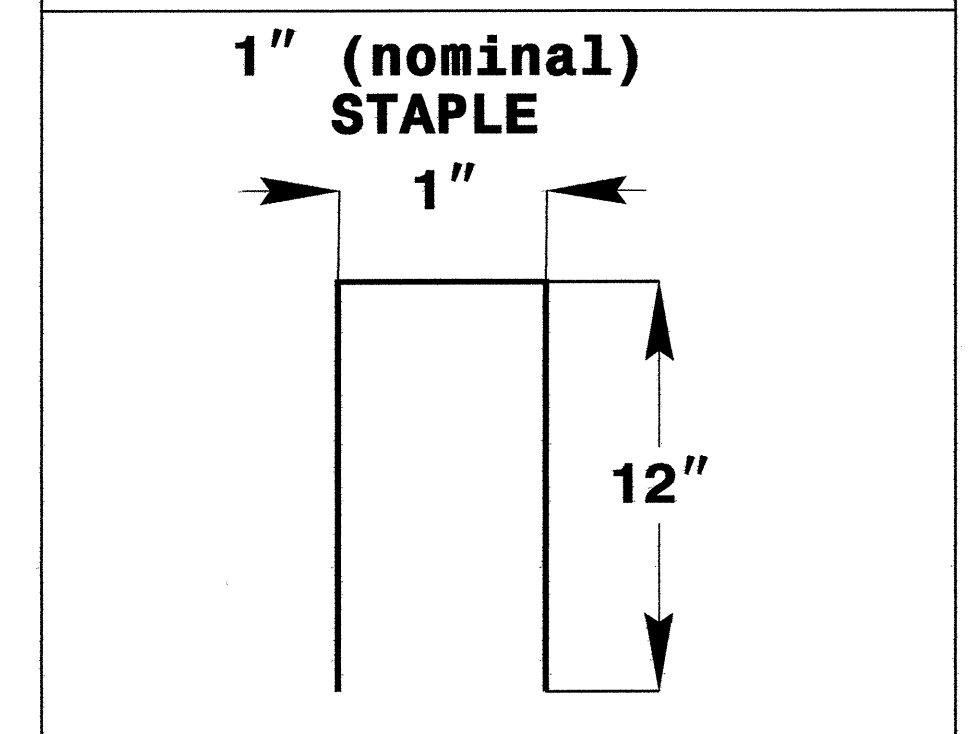
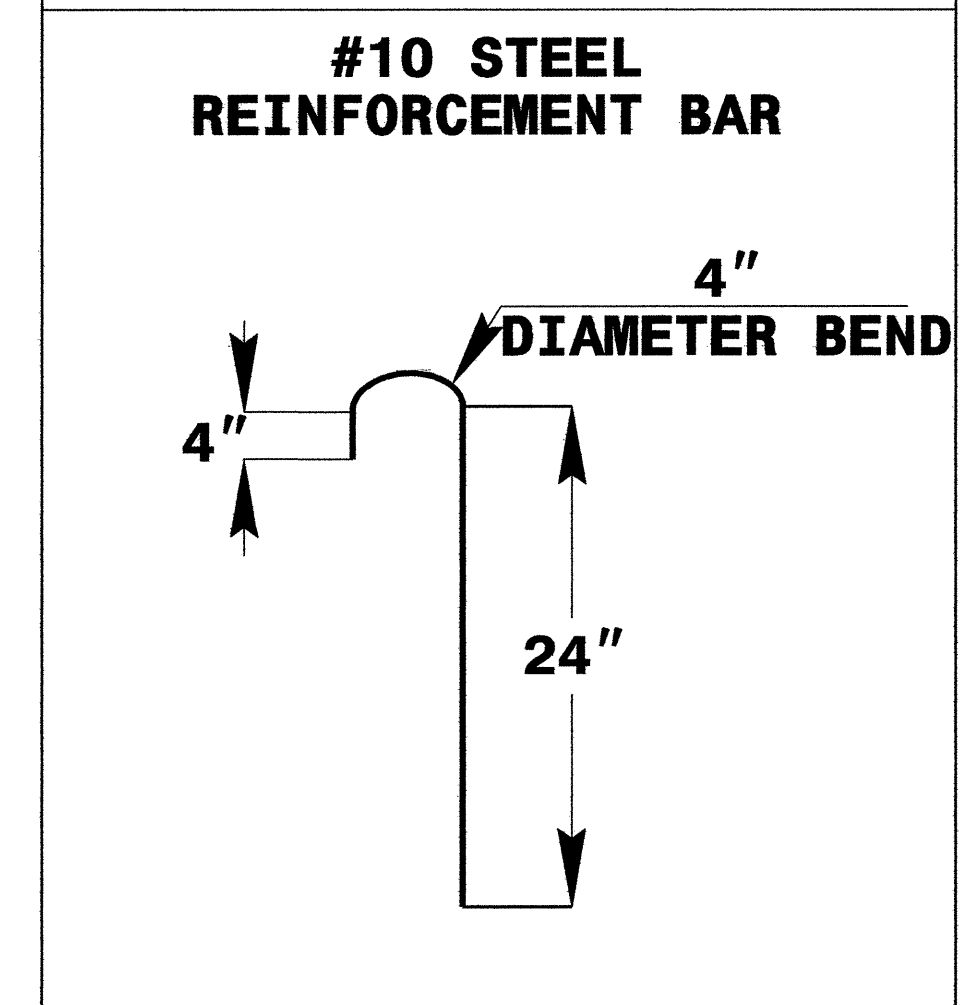
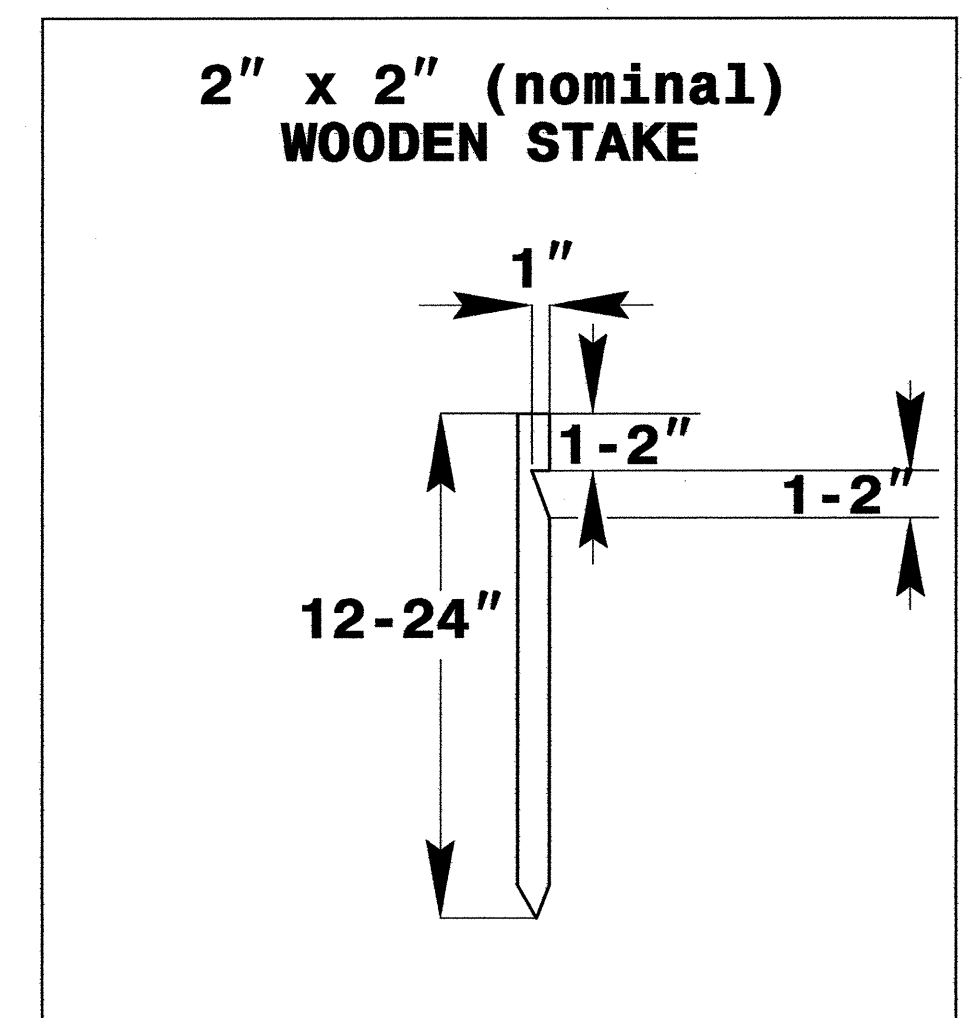
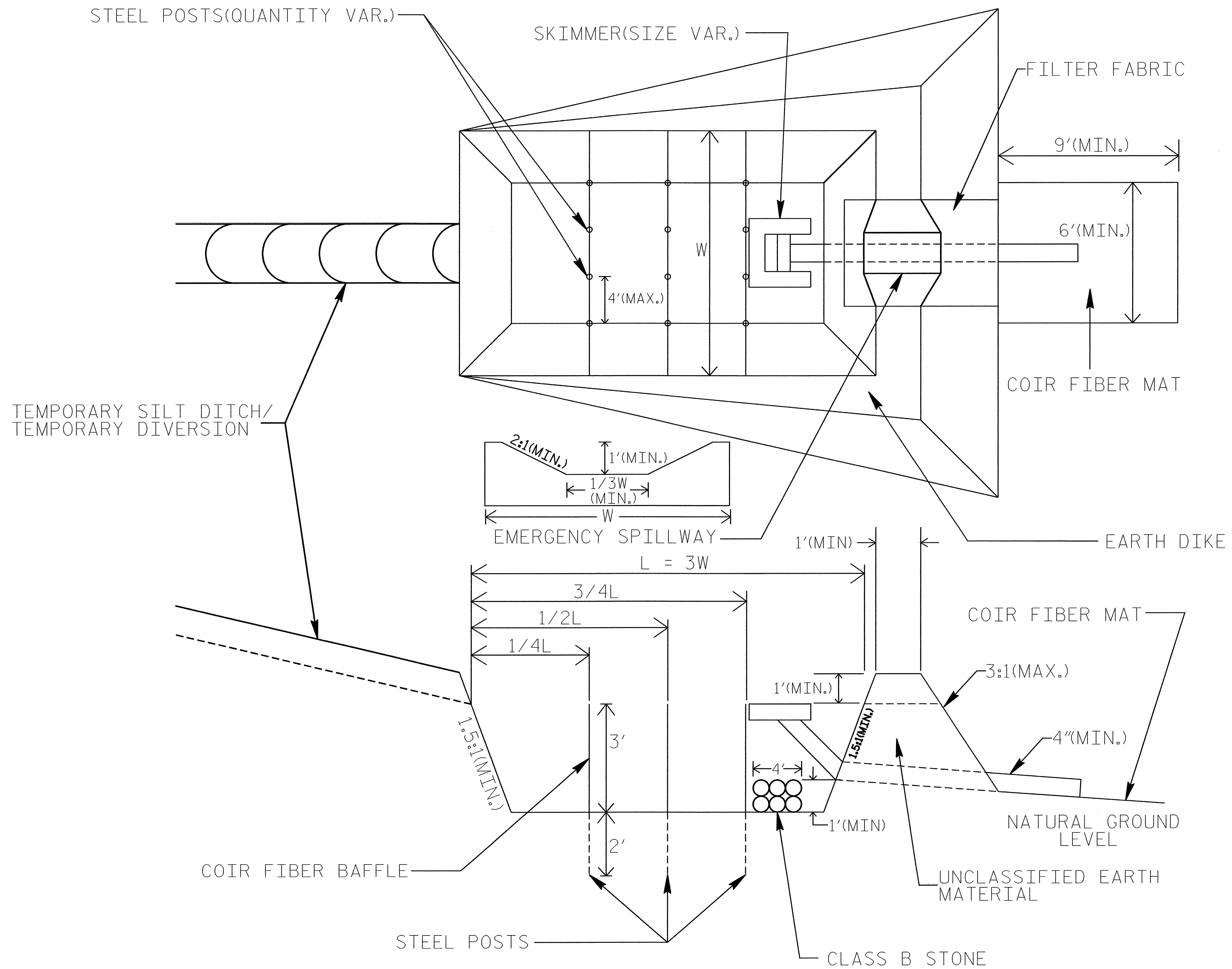
Roadway Standard Drawings

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
1606.01 Special Sediment Control Fence	1632.02 Rock Inlet Sediment Trap Type B
1607.01 Gravel Construction Entrance	1632.03 Rock Inlet Sediment Trap Type C
1622.01 Temporary Berms and Slope Drains	1633.01 Temporary Rock Silt Check Type A
1630.05 Temporary Diversion	1635.02 Rock Pipe Inlet Sediment Trap Type B

# SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. B-4258	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

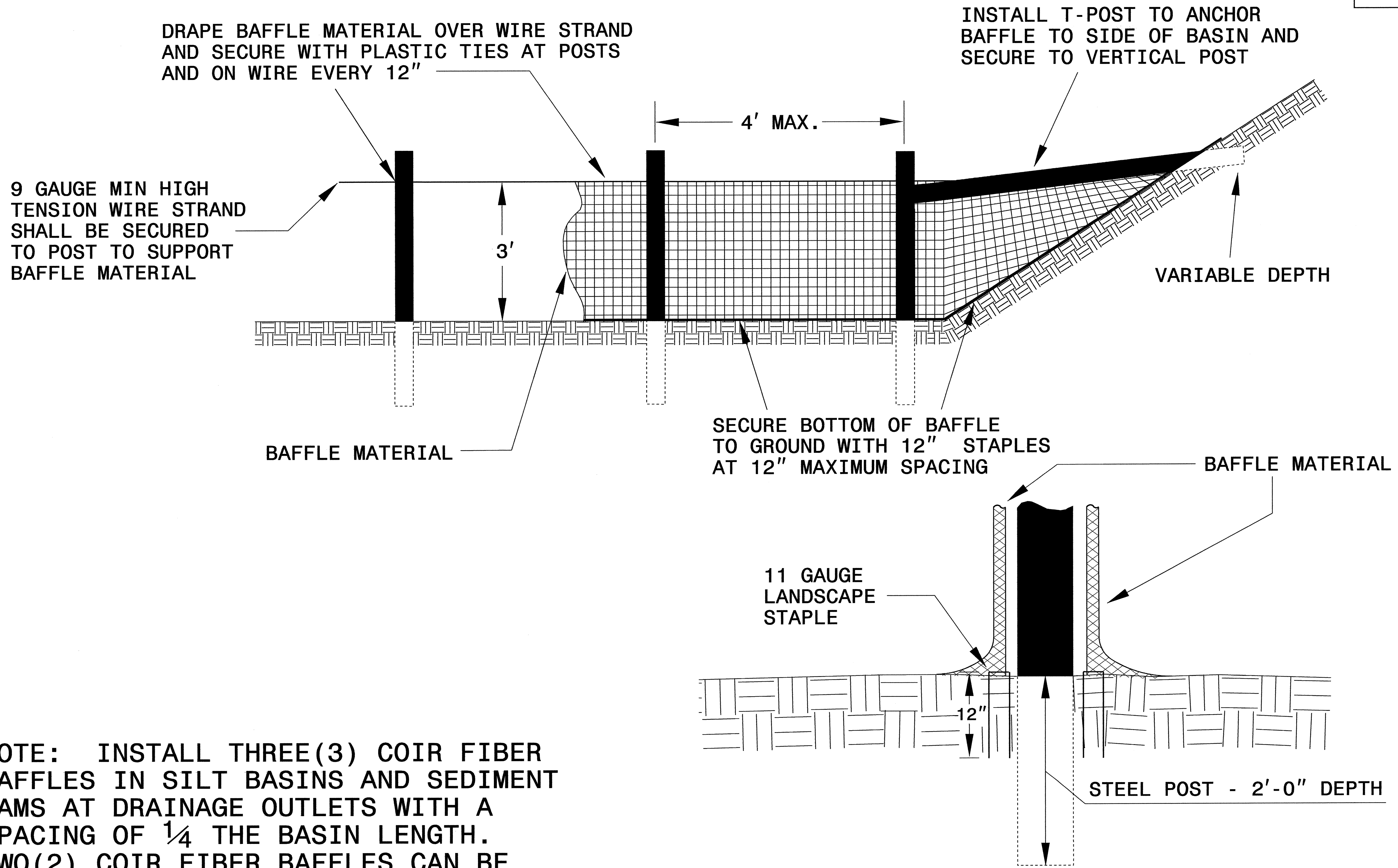


**COIR FIBER MAT ANCHOR OPTIONS**

- NOTES:**
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON SIDESLOPES.
  2. LIMIT EARTH DIKE HEIGHT TO 5 FT.

PROJECT REFERENCE NO. B-4258	SHEET NO. EC-2A
R/W 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







NOTE: UTILIZE SPECIAL STILLING BASIN AND/OR SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

PI Sta. 10+30.78	PI Sta. 11+57.35	PI Sta. 12+45.97
$\Delta = 61^{\circ} 10' 47.9" (RT)$	$\Delta = 16^{\circ} 49' 30.2" (LT)$	$\Delta = 25^{\circ} 31' 00.3" (LT)$
$D = 229^{\circ} 10' 59.2"$	$D = 15^{\circ} 16' 43.9"$	$D = 38^{\circ} 11' 49.9"$
$L = 26.69'$	$L = 110.12'$	$L = 66.80'$
$T = 14.78'$	$T = 55.46'$	$T = 33.96'$
$R = 25.00'$	$R = 375.00'$	$R = 150.00'$
SE = NC	SE = NC	SE = NC
RO = NONE	RO = NONE	RO = NONE

TRAFFIC DIAGRAM

2007 ADT  
2030 ADT

-Y1- BOYS CAMP ROAD

4300	6300	<100	<100	4300	6300
DHW = 9%		DIR = 55%		TTST = 2%	
DUAL = 3%					

-L- US 64/74A NC-9

TRAFFIC DIAGRAM

2007 ADT  
2030 ADT

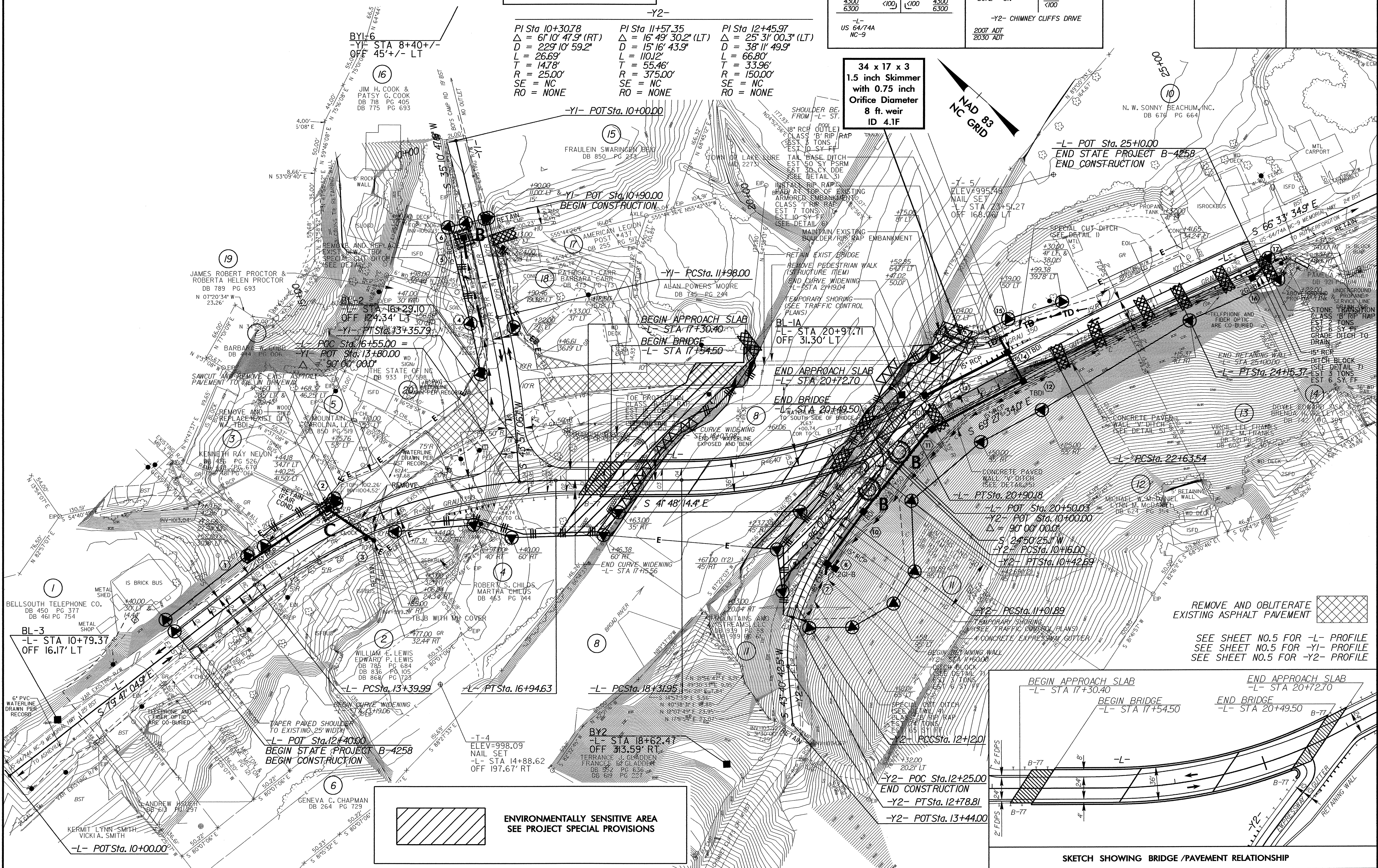
-Y2- CHIMNEY CLIFFS DRIVE

4300	6300	<100	<100	4300	6300
DHW = 9%		DIR = 55%		TTST = 2%	
DUAL = 3%					

PROJECT REFERENCE NO. B-4258	SHEET NO. EC-4/CONST.4
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

34 x 17 x 3  
1.5 inch Skimmer  
with 0.75 inch  
Orifice Diameter  
8 ft. weir  
ID 4.1F

NAD 83  
NC GRID



REMOVE AND OBLITERATE EXISTING ASPHALT PAVEMENT

SEE SHEET NO.5 FOR -L- PROFILE  
SEE SHEET NO.5 FOR -Y1- PROFILE  
SEE SHEET NO.5 FOR -Y2- PROFILE

ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

