

**TIP PROJECT: B-4271**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

---

PLAN FOR PROPOSED  
HIGHWAY EROSION CONTROL

**SAMPSON COUNTY**

**LOCATION: BRIDGE NO. 98 OVER BIG SWAMP ON SR 1246**

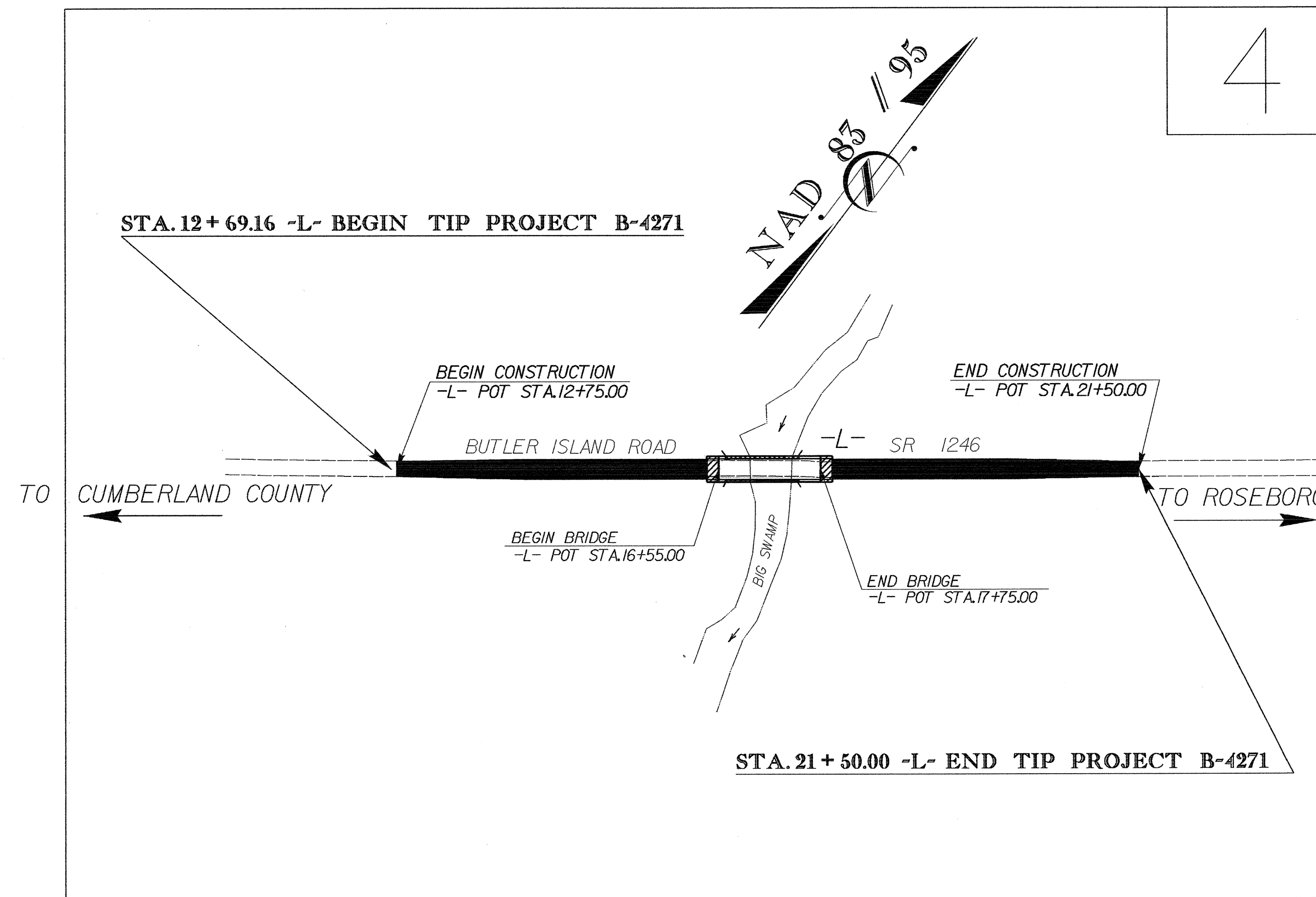
**TYPE OF WORK: GRADING, PAVING, DRAINAGE, & STRUCTURE**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4271	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

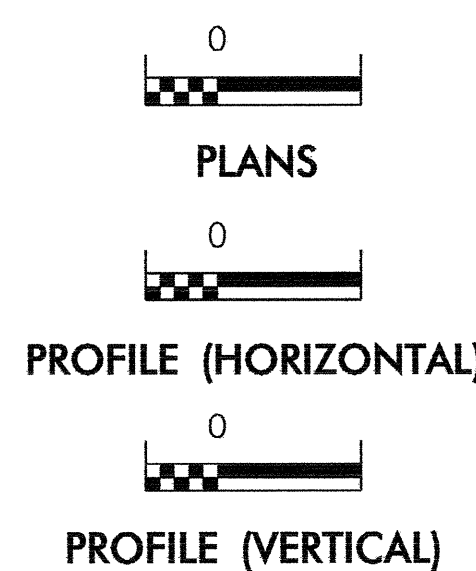
**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.05	Temporary Silt Ditch.....	
1630.01	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**



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**

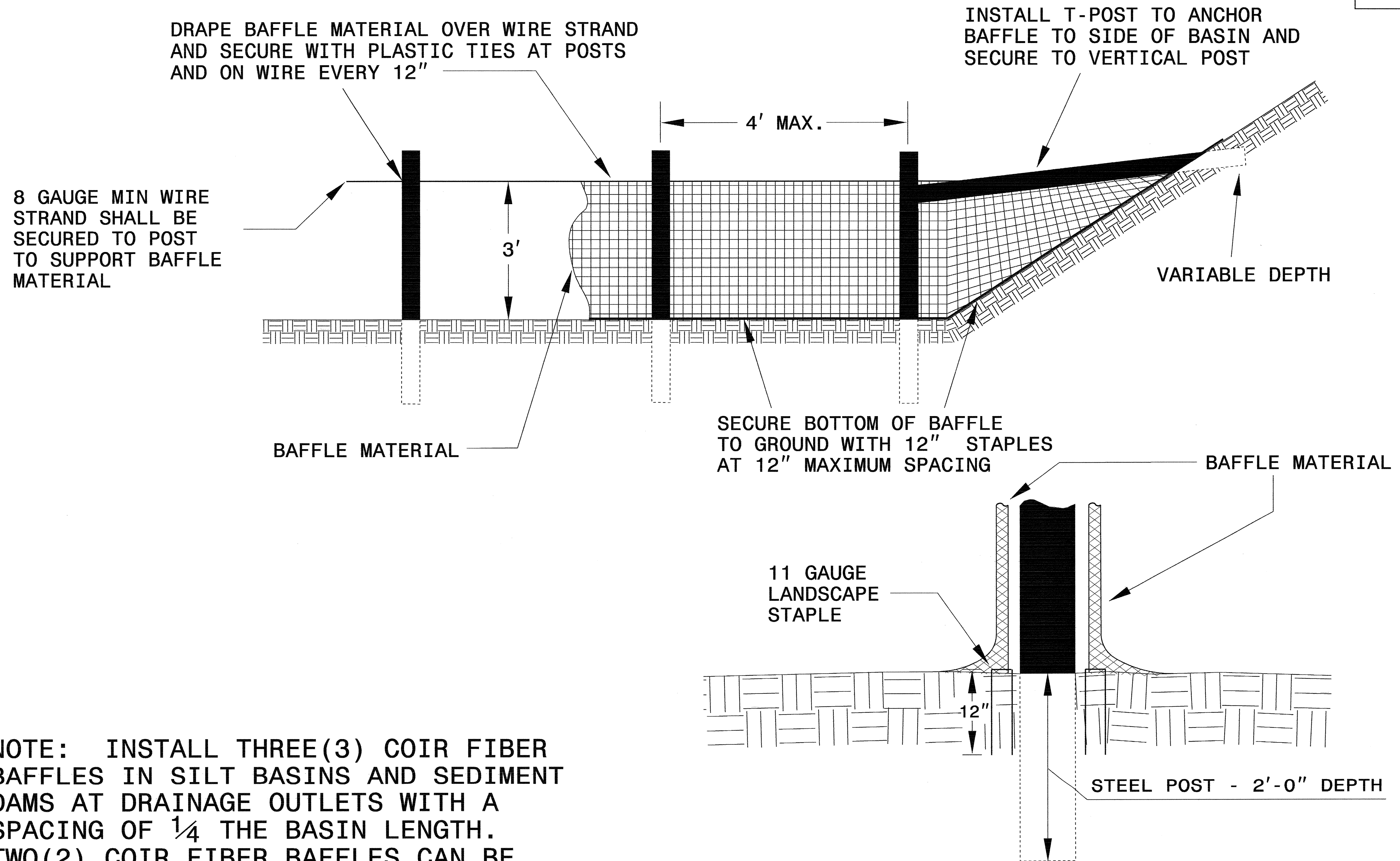
**Roadway Standard Drawings**

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     | 1633.01 Temporary Rock Silt Check Type A   |
| 1622.01 Temporary Berms and Slope Drains | 1634.02 Temporary Rock Sediment Dam Type B |

PROJECT REFERENCE NO. B-4271	SHEET NO. EC-2
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

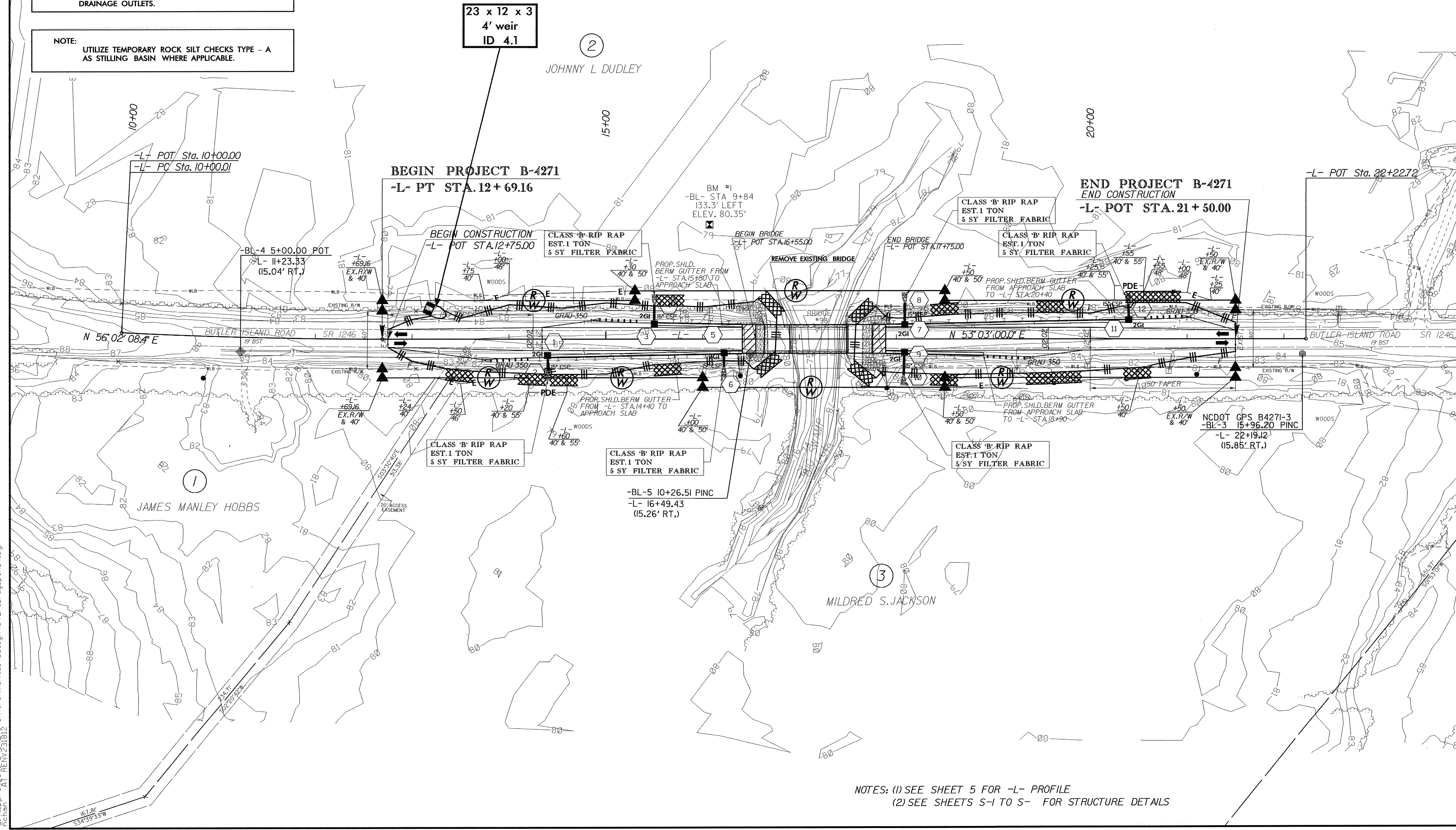
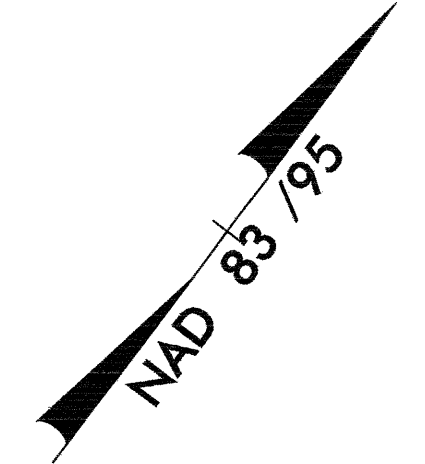
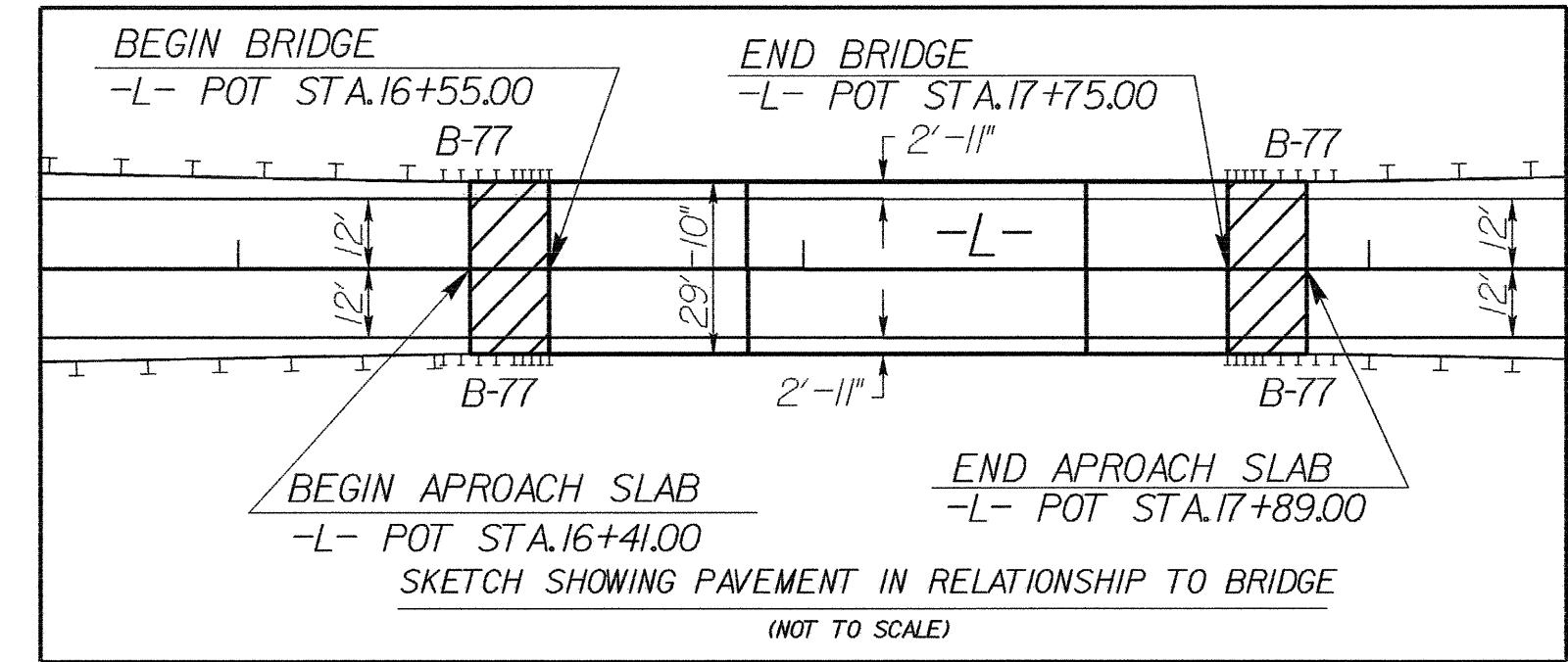
PROJECT REFERENCE NO.	SHEET NO.
B-4271	EC-3/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**-L- CURVE DATA**  
 PI Sta 11+34.61  
 $\Delta = 2' 59' 08.4''$  (LT)  
 $D = 1' 06' 33.5''$   
 $L = 269.15'$   
 $T = 134.60'$   
 $R = 5,165.00'$   
 SE = EXISTING

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 SILT CHECKS TYPE - A  
 AS STILLING BASIN WHERE APPLICABLE.

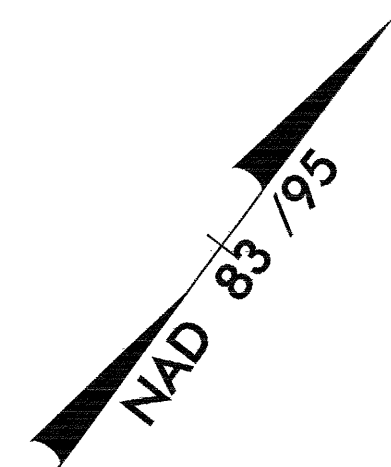
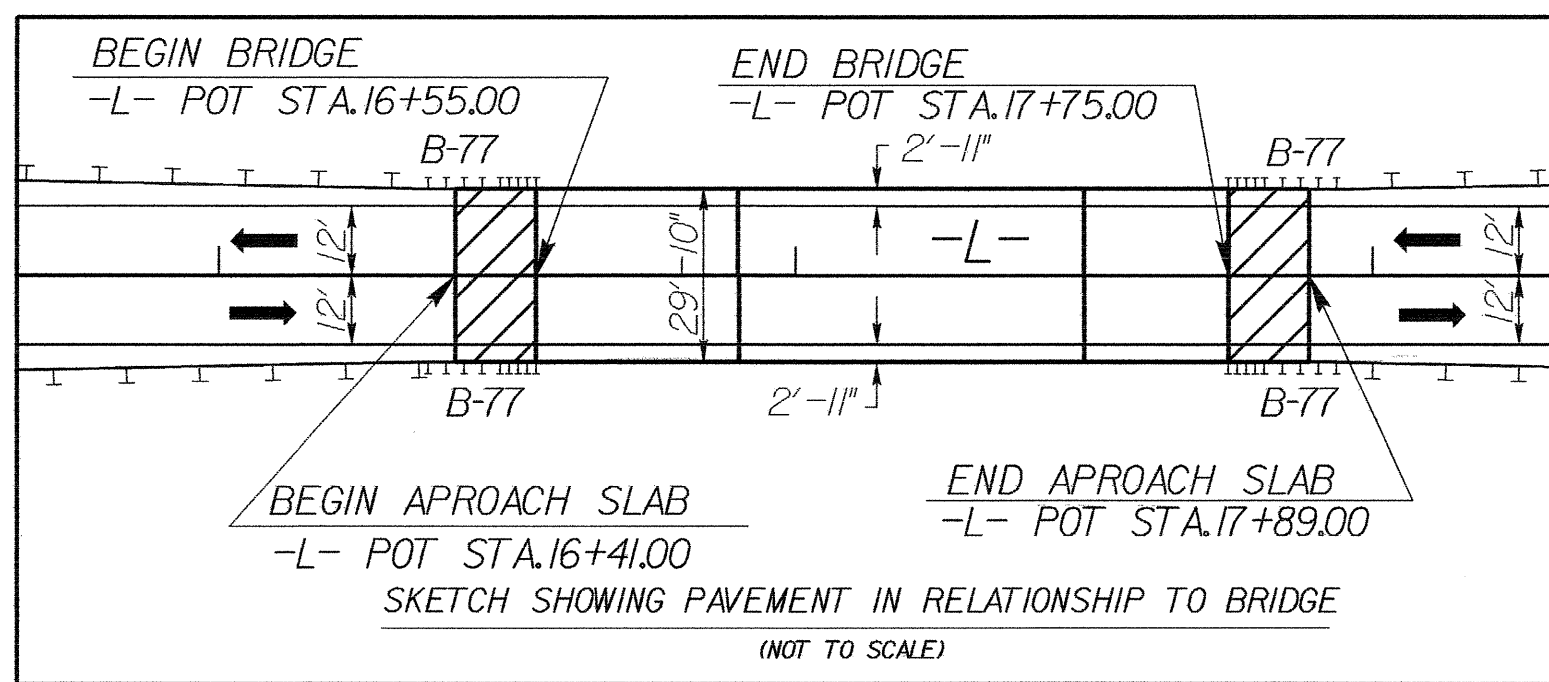


NOTES: (1) SEE SHEET 5 FOR -L- PROFILE  
 (2) SEE SHEETS S-1 TO S- FOR STRUCTURE DETAILS

23-APR-2007 14:06  
 G:\t\ppro\j\ec\B-4271\envr\onmental\design\b4271\_rdy\_psh\_4.dgn  
 11 11:23:12

PROJECT REFERENCE NO.	SHEET NO.
B-4271	EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

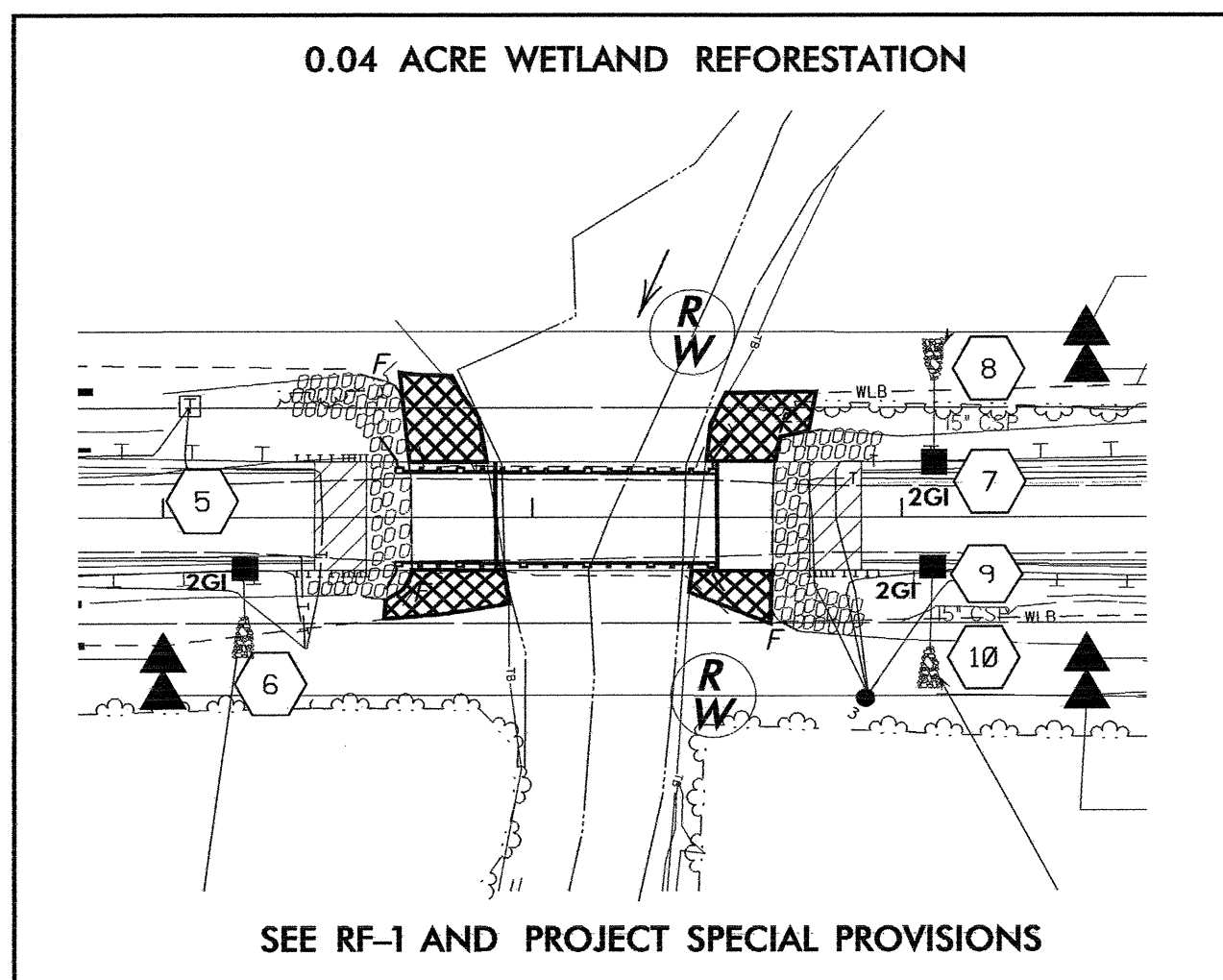
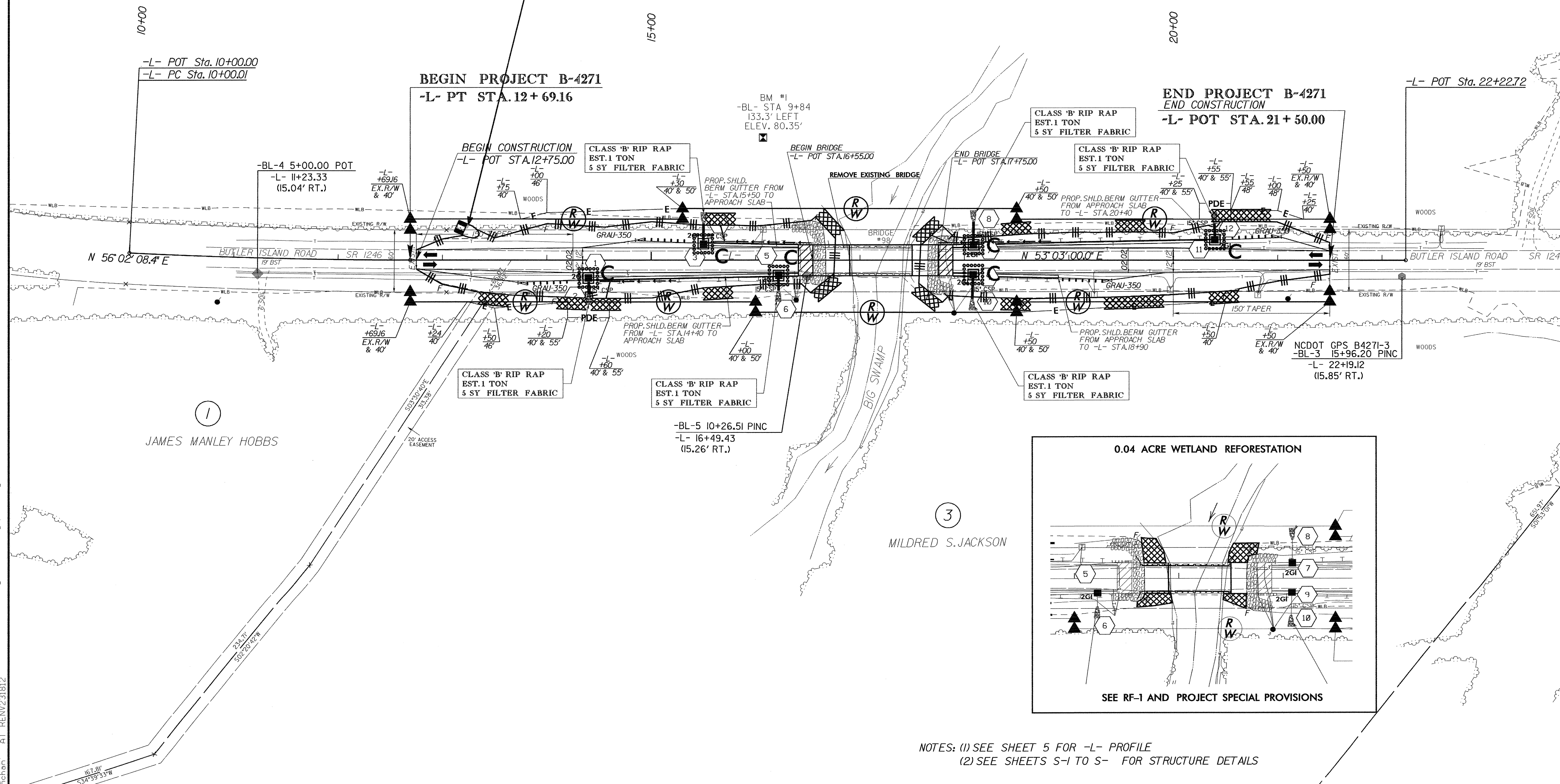
-L- CURVE DATA  
 PI Sta 11+34.61  
 $\Delta = 2^{\circ} 59' 08.4''$  (LT)  
 $D = 1^{\circ} 06' 33.5''$   
 $L = 269.15'$   
 $T = 134.60'$   
 $R = 5,165.00'$   
 SE = EXISTING



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

23 x 12 x 3  
 4' weir  
 ID 4.1

JOHNNY L DUDLEY



NOTES: (1) SEE SHEET 5 FOR -L- PROFILE  
 (2) SEE SHEETS S-1 TO S- FOR STRUCTURE DETAILS

23 APR 2007 14:07  
 C:\p1\p1\p1\environmental\design\B4271\rdy\psf\_4.dgn  
 Richard  
 AT  
 REV 231812