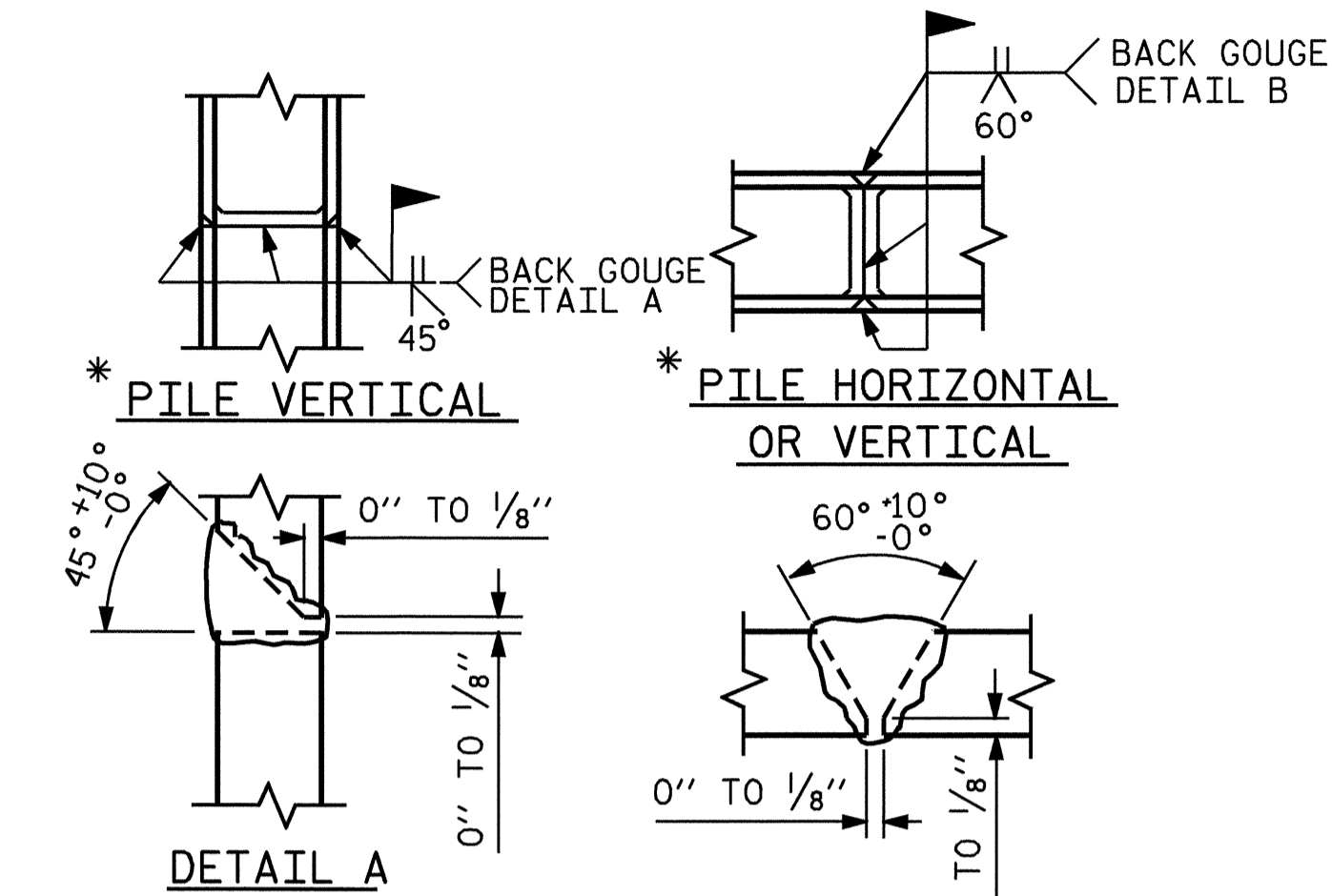


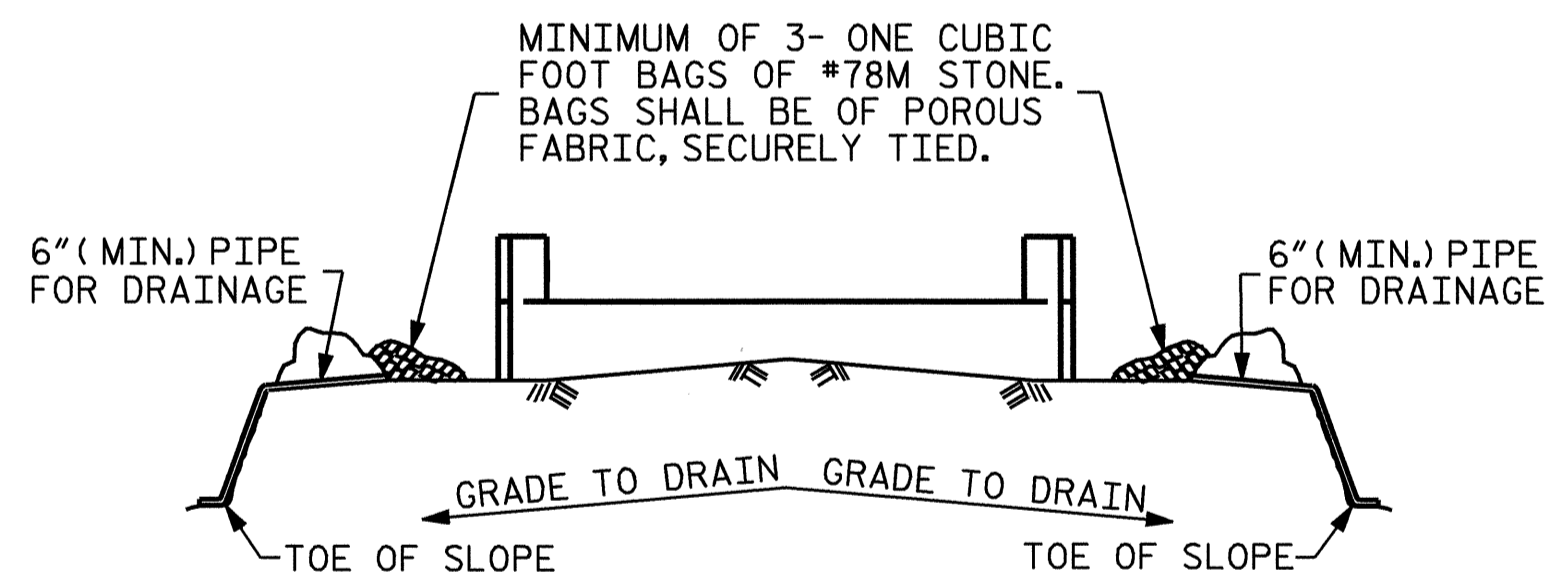
**SECTION A-A**



**PILE SPLICE DETAILS**  
\* POSITION OF PILE DURING WELDING.

BAR TYPES		BILL OF MATERIAL				
		END BENT #2				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	8	9		44'-1"	1199	
B2	2	5	STR	41'-8"	87	
B3	8	4	STR	22'-1"	118	
B4	10	4	STR	2'-5"	16	
D1	24	6	STR	1'-6"	54	
H1	20	4	2	5'-4"	71	
K1	8	4	STR	2'-6"	13	
S1	37	4	3	7'-5"	183	
S2	37	4	4	3'-2"	78	
S3	12	4	5	6'-6"	52	
S4	4	4	6	4'-9"	13	
V1	32	4	STR	4'-3"	91	
REINFORCING STEEL				LBS	1975	
CLASS "A" CONCRETE BREAKDOWN						
POUR #1						
CAP & LOWER PART OF WINGS				11.4	YD3	
POUR #2						
UPPER PART OF WINGS				1.1	YD3	
POUR #3						
LATERAL GUIDES				0.1	YD3	
CLASS "A" CONCRETE TOTAL				12.6	YD3	
HP 12 x 53 STEEL PILES						
NO. 6		LIN. FT. 270				

ALL BAR DIMENSIONS ARE OUT TO OUT.



BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

**TEMPORARY DRAINAGE AT END BENT**

PROJECT NO. B-3711  
WAYNE COUNTY  
 STATION: 18+53.50 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 END BENT #2

PROFESSIONAL ENGINEER  
 SEAL 14045  
 TIMOTHY L. COGGINS  
 10/20/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-15
1			3			TOTAL SHEETS
2			4			19

DRAWN BY : T.L. AVERETTE DATE : 01-04  
 CHECKED BY : F. GUZMAN DATE : 05-04