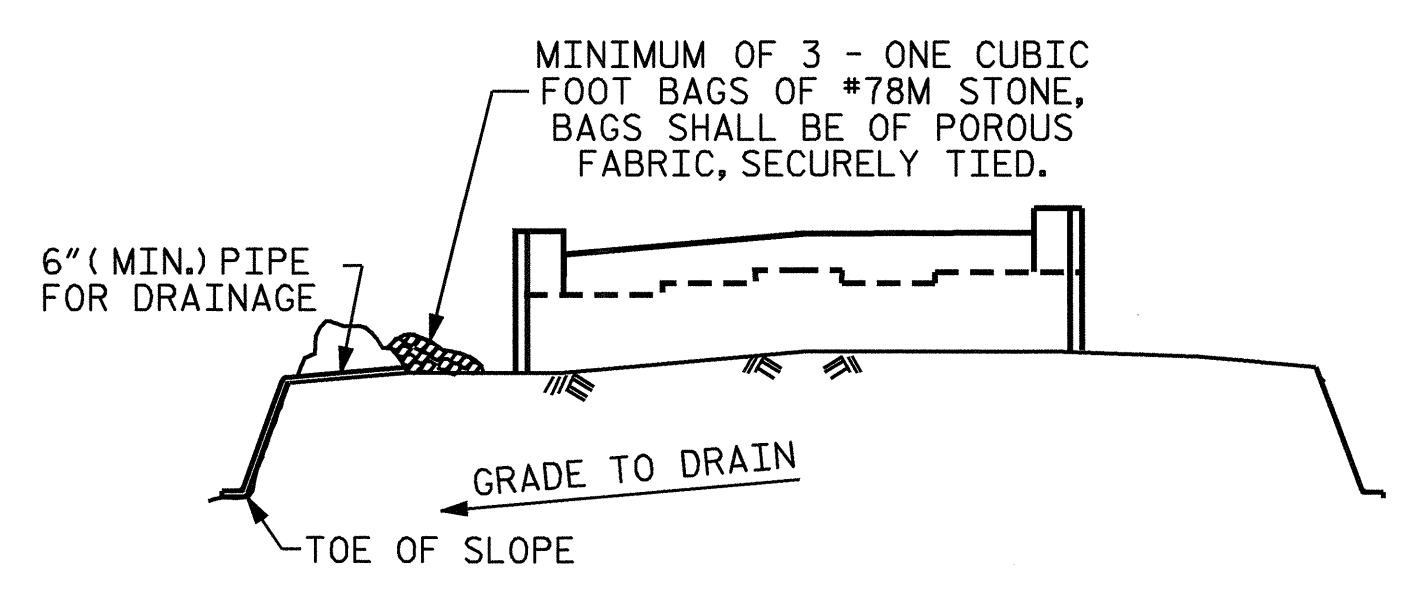


SECTION A-A

BILL OF MATERIAL					
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	9	1	38'-5"	1045
B2	2	6	STR	35'-11"	108
B3	8	4	STR	19'-2"	102
B4	9	4	STR	2'-8"	16
H1	40	5	2	10'-10"	452
K1	20	4	STR	19'-2"	256
K2	8	4	STR	2'-11"	16
S1	30	5	4	7'-10"	245
S2	30	5	3	3'-7"	112
S3	16	4	5	6'-6"	69
V1	62	5	STR	6'-8"	431
V2	56	5	STR	8'-4"	487
U1	31	4	6	3'-8"	76
REINFORCING STEEL					3415 lbs.
CLASS A CONCRETE					
POUR #1 CAP & LOWER PORTION OF WINGS					12.9 CU. YD.
POUR #2 BACKWALL & UPPER PORTION OF WINGS					10.8 CU. YD.
TOTAL CLASS A CONCRETE					23.7 CU. YD.
HP 12 X 53 STEEL PILES					
				NO. 8	LIN. FEET 120



MINIMUM OF 3 - ONE CUBIC FOOT BAGS OF #78M STONE, BAGS SHALL BE OF POROUS FABRIC, SECURELY TIED.

6" (MIN.) PIPE FOR DRAINAGE

GRADE TO DRAIN

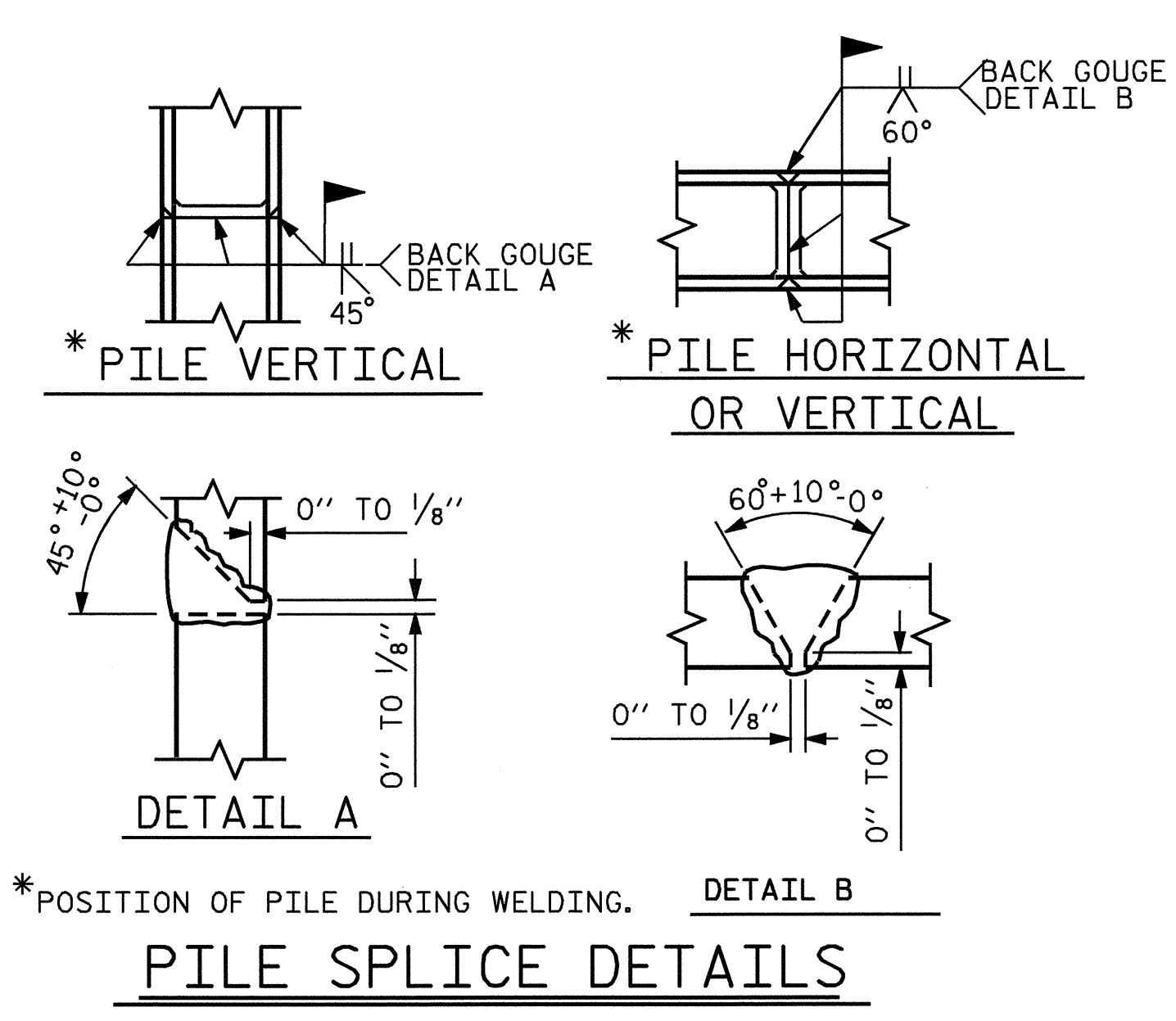
TOE OF SLOPE

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.

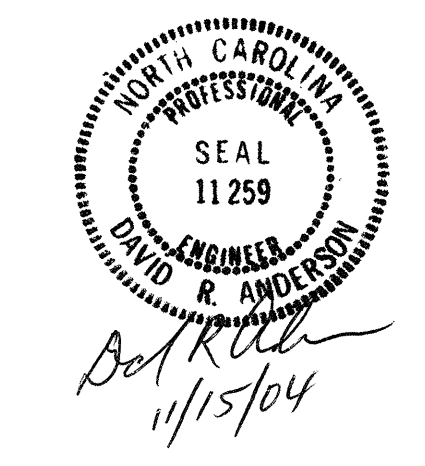
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



* POSITION OF PILE DURING WELDING.

DRAWN BY : S. M. RASHIDI DATE : 5/2/03
 CHECKED BY : N. TRAN DATE : 5/19/03



PROJECT NO. B-3350
IREDELL COUNTY
 STATION: 17+33.50 -L-
 SHEET 3 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH				
SUBSTRUCTURE END BENT 2				
REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	
				TOTAL SHEETS 35