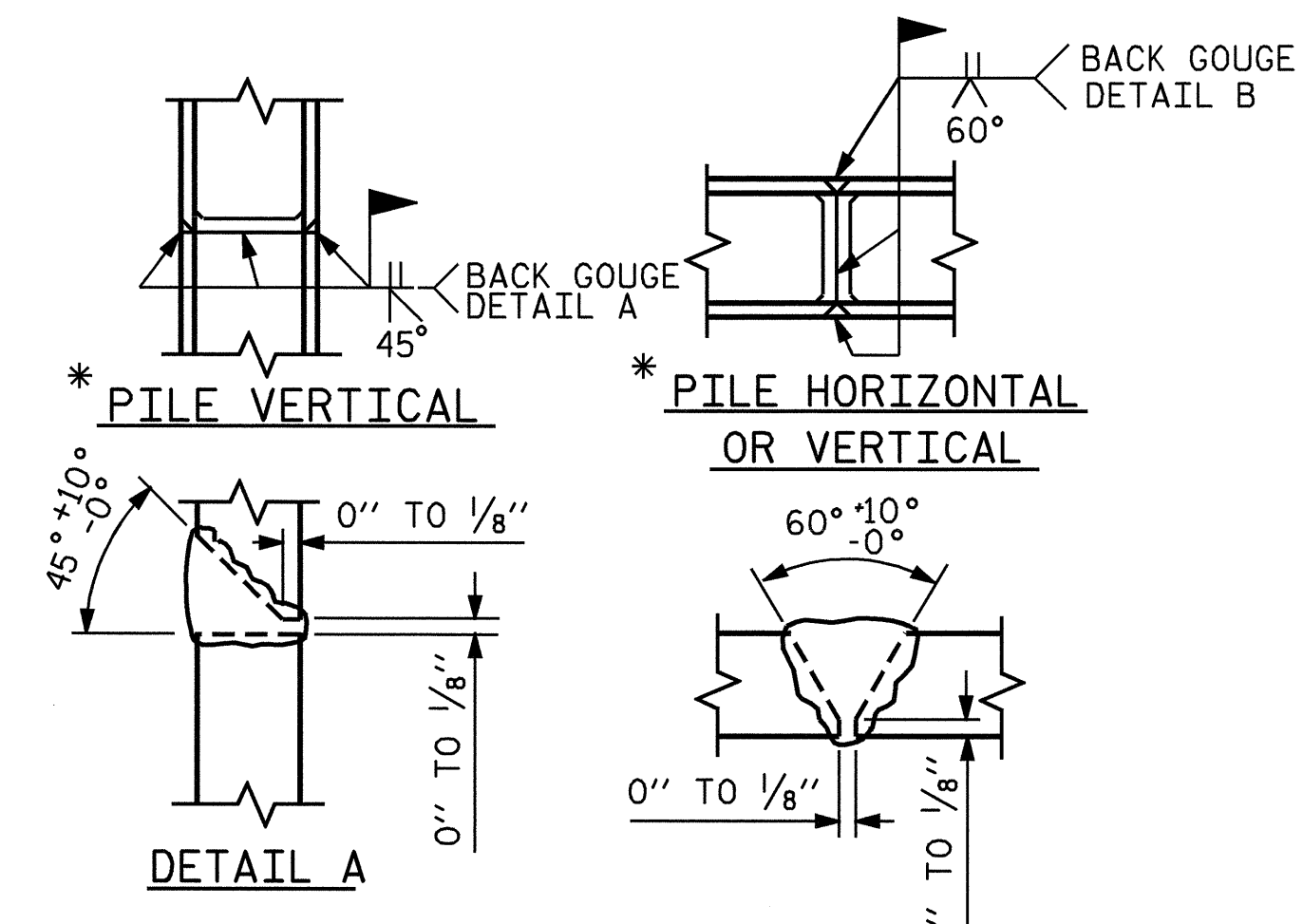
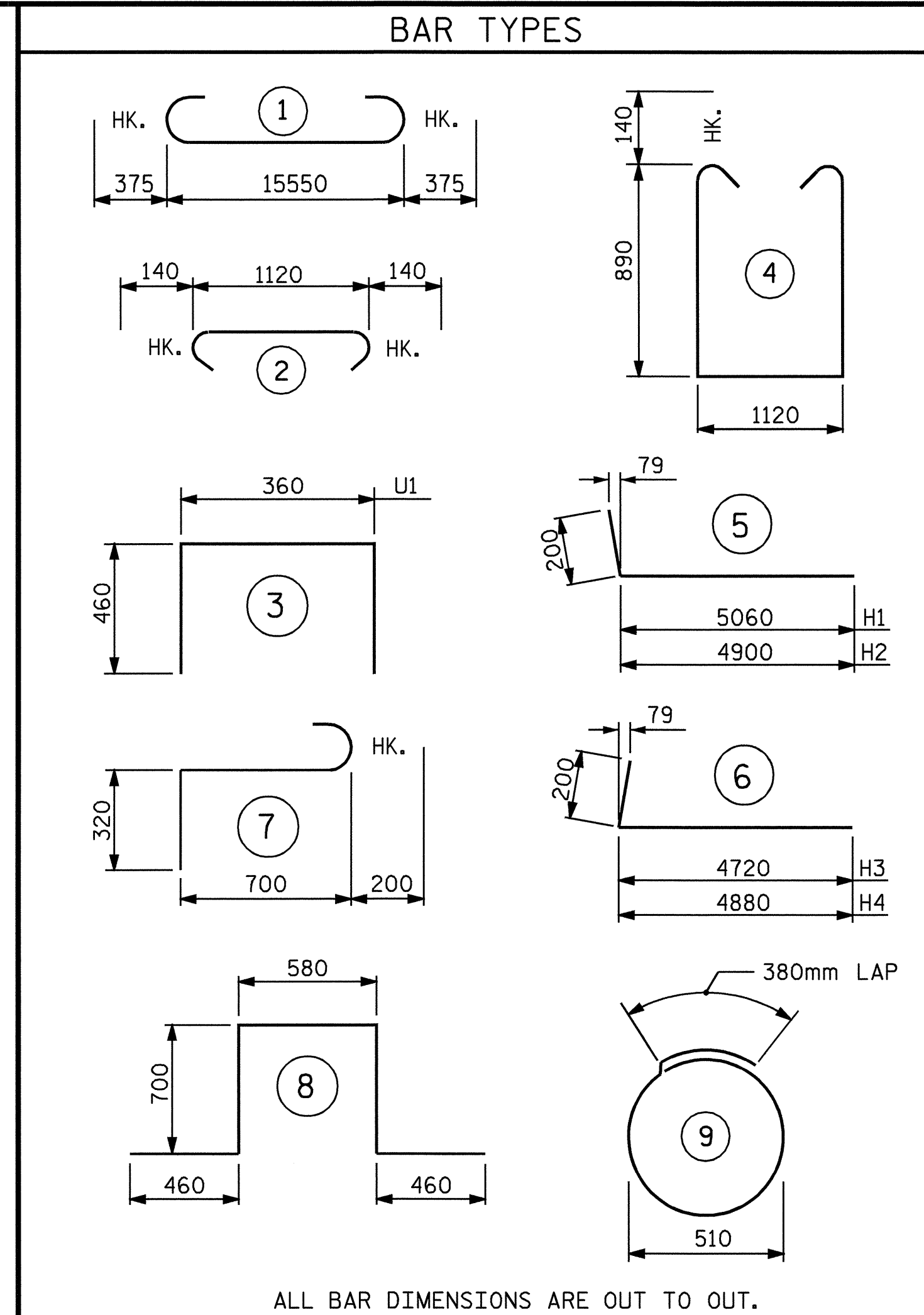


SECTION A-A

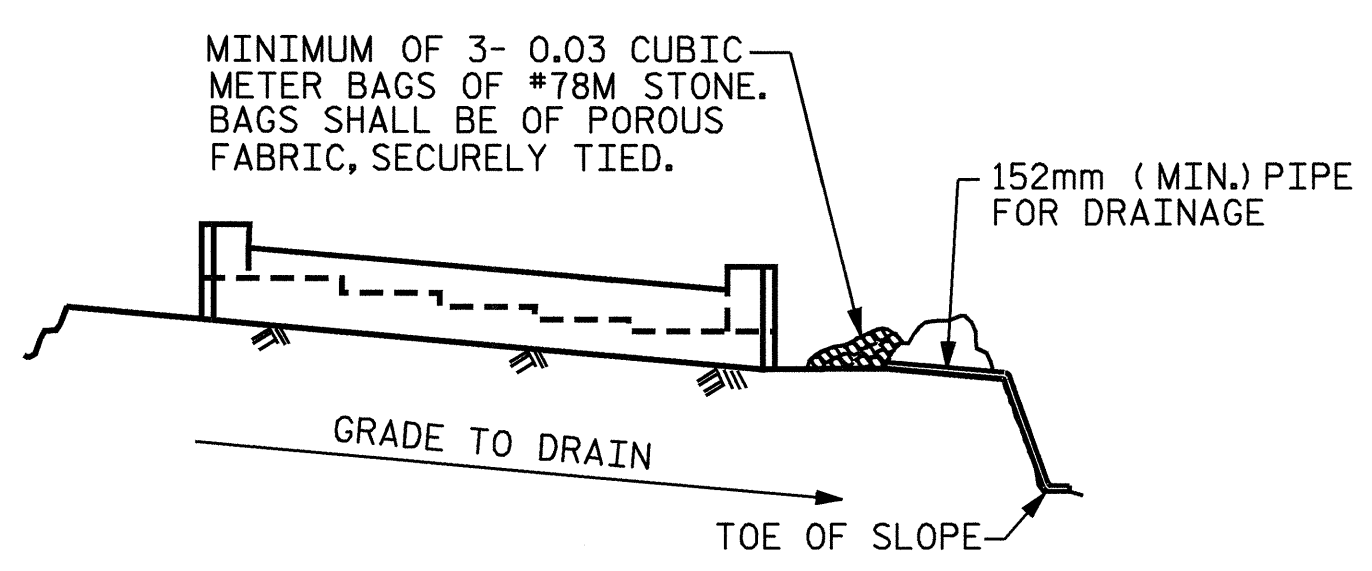


PILE SPLICE DETAILS
* POSITION OF PILE DURING WELDING.



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	29	1	16300	990
B2	4	16	STR	15580	97
B3	8	13	STR	8160	65
B4	13	13	STR	1120	14
H1	13	16	5	5260	106
H2	13	16	5	5100	103
H3	13	16	6	4920	99
H4	13	16	6	5080	102
H5	4	13	STR	940	4
K1	32	13	STR	8160	260
S1	58	16	4	3180	286
S2	58	16	2	1400	126
S3	22	13	9	1980	43
S4	2	19	8	2900	13
S5	6	19	7	1220	16
U1	45	13	3	1280	57
V1	90	16	STR	3100	433
V2	38	16	STR	3460	204
V3	38	16	STR	3600	212
REINFORCING STEEL				KGS.	3230
CLASS A CONCRETE BREAKDOWN					
POUR 1 - CAP AND LOWER PORTION OF WINGS				C.M.	23.6
POUR 2 - UPPER PORTION OF WINGS & BACKWALL				C.M.	27.0
CLASS A CONCRETE TOTAL				C.M.	50.6
HP 310 x 79 STEEL PILES					
NO. 13		260.0 LIN. METERS			



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.

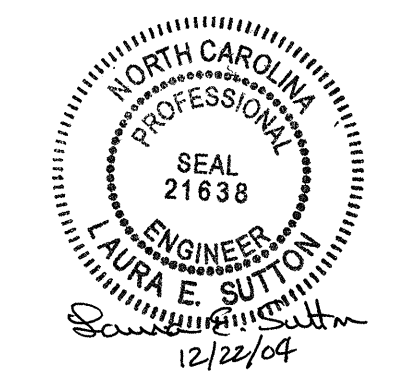
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

DRAWN BY : W.K. FISCHER DATE : 4/15/04
CHECKED BY : M.M. PARSONS DATE : 11/04

22-DEC-2004 10:54
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PROJECT NO. R-0977A
CHEROKEE COUNTY
STATION: 68+58.000-LREV-

SHEET 3 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE					
END BENT 1					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					S-211
					TOTAL SHEETS 230

STR. #5