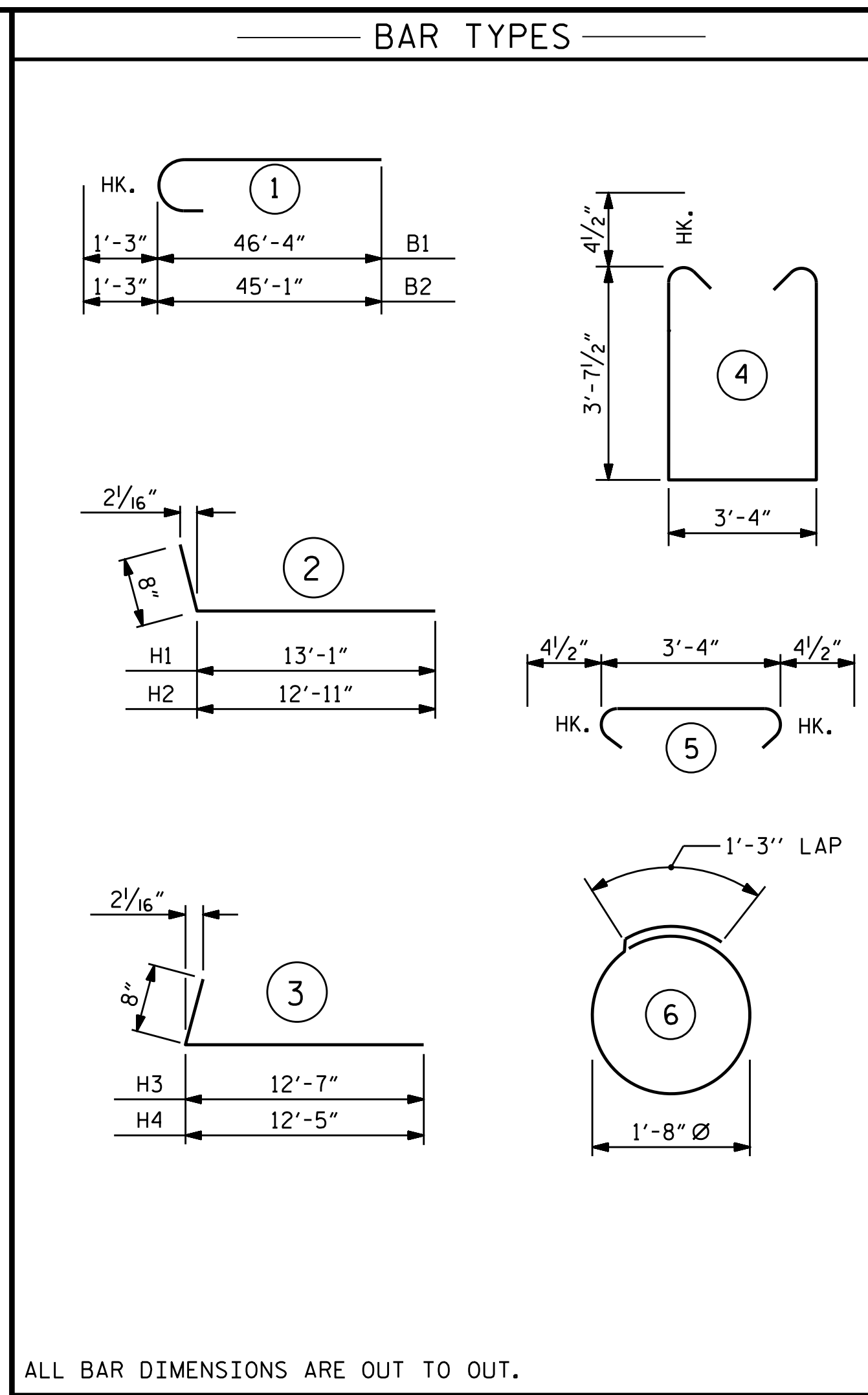
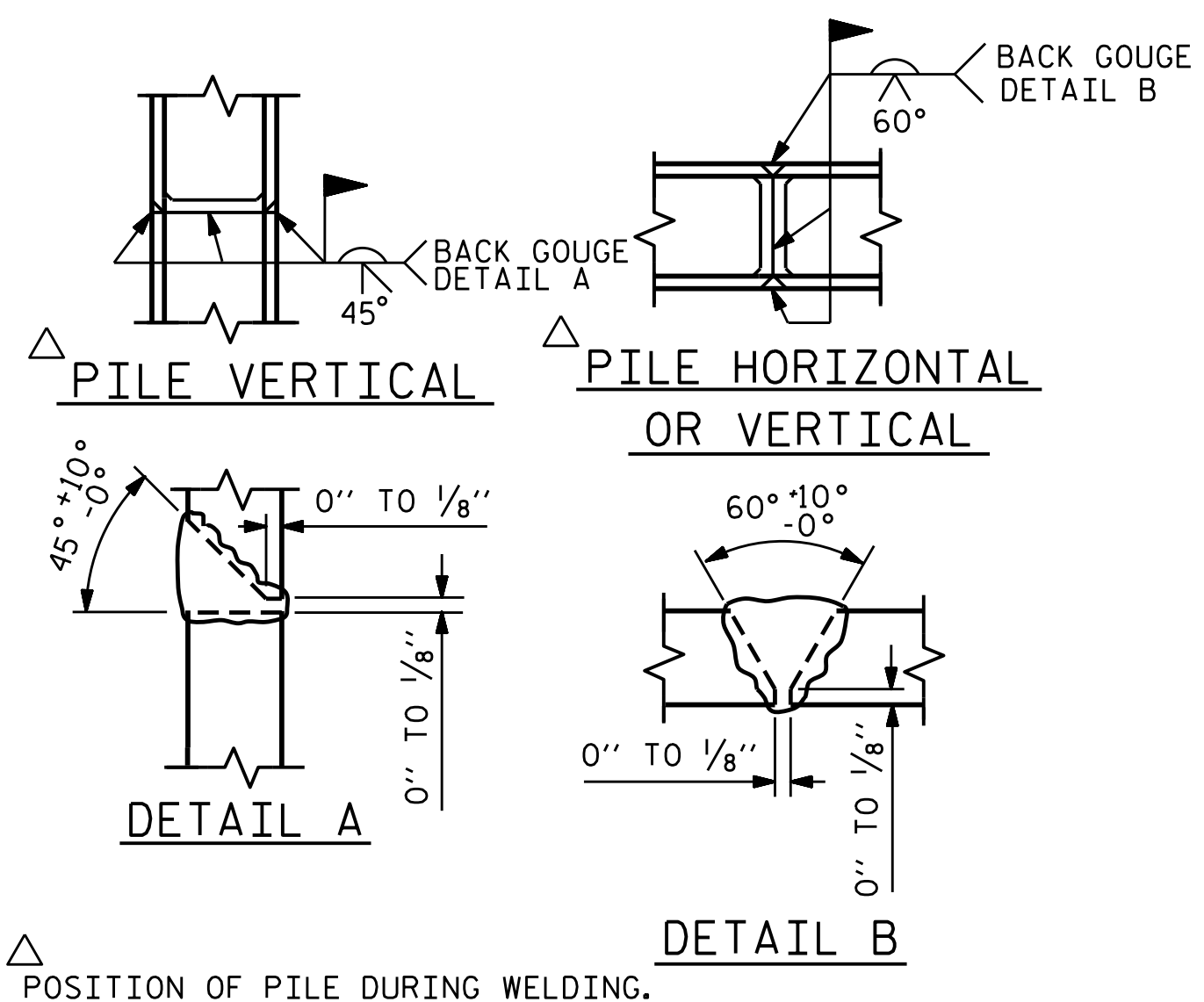


SECTION THRU CAP

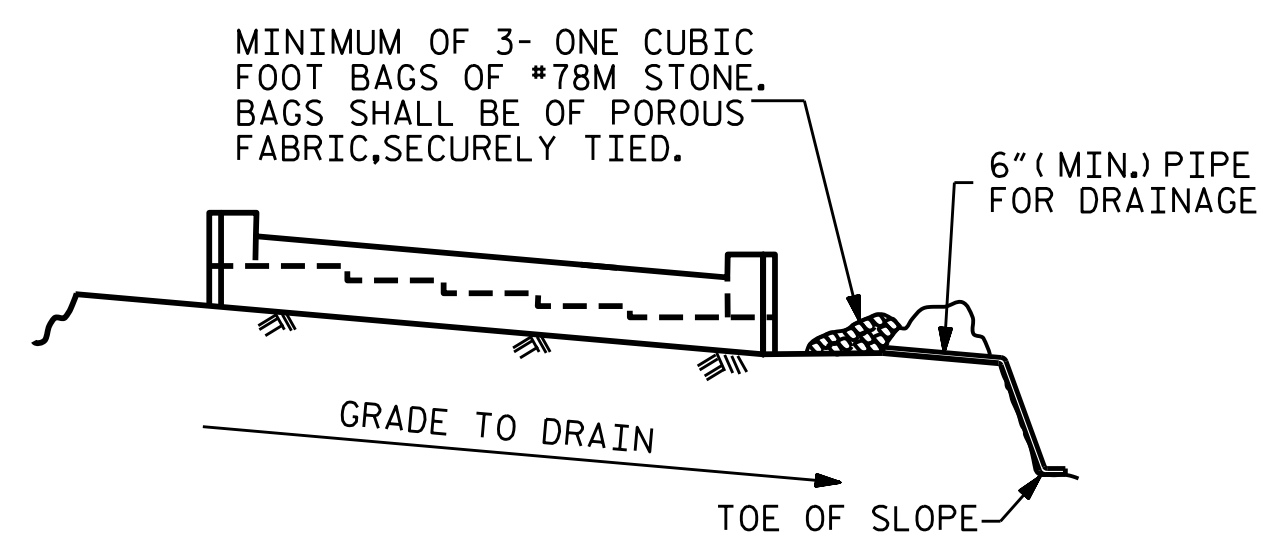


ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
INTEGRAL END BENT 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	47'-7"	1294
B2	8	#9	1	46'-4"	1260
B3	30	#4	STR	29'-7"	593
B4	21	#4	STR	3'-4"	47
H1	19	#5	2	13'-9"	272
H2	19	#5	2	13'-7"	269
H3	19	#5	3	13'-3"	263
H4	19	#5	3	13'-1"	259
K1	24	#4	STR	3'-8"	59
S1	101	#4	4	11'-4"	765
S2	101	#4	5	4'-1"	275
S3	40	#4	6	6'-6"	174
V1	120	#4	STR	6'-0"	481
V2	38	#4	STR	9'-3"	235
V3	36	#4	STR	9'-6"	228
REINFORCING STEEL					LBS. 6,474
CLASS A CONCRETE					
POUR #1 CAP, LOWER WINGS & CONC. COLLARS				C.Y.	52.7
POUR #2 UPPER PART OF WINGS				C.Y.	6.7
TOTAL CLASS A CONCRETE				C.Y.	59.4
HP 12 X 53 STEEL PILES					
NO.: 10				LIN. FT.	650
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES					
				EACH	10



PILE SPLICE DETAILS



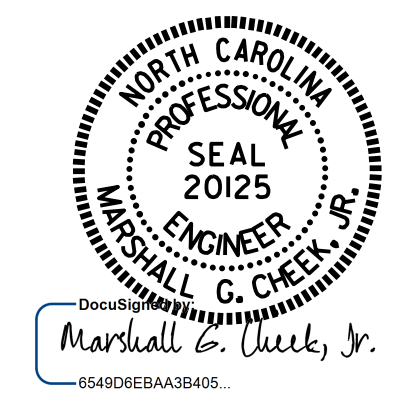
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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. U-2579C  
FORSYTH COUNTY  
 STATION: 473+70.00 -L-  
 SHEET 3 OF 3



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 INTEGRAL  
 END BENT 1  
 (RIGHT LANE)

DRAWN BY : H.A. LOCKLEAR DATE : 6/23/16  
 CHECKED BY : K.D. LAYNE DATE : 8/3/16  
 DESIGN ENGINEER OF RECORD: H.A. LOCKLEAR DATE : 8/18/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-23	
1			3			TOTAL SHEETS 33	
2			4				