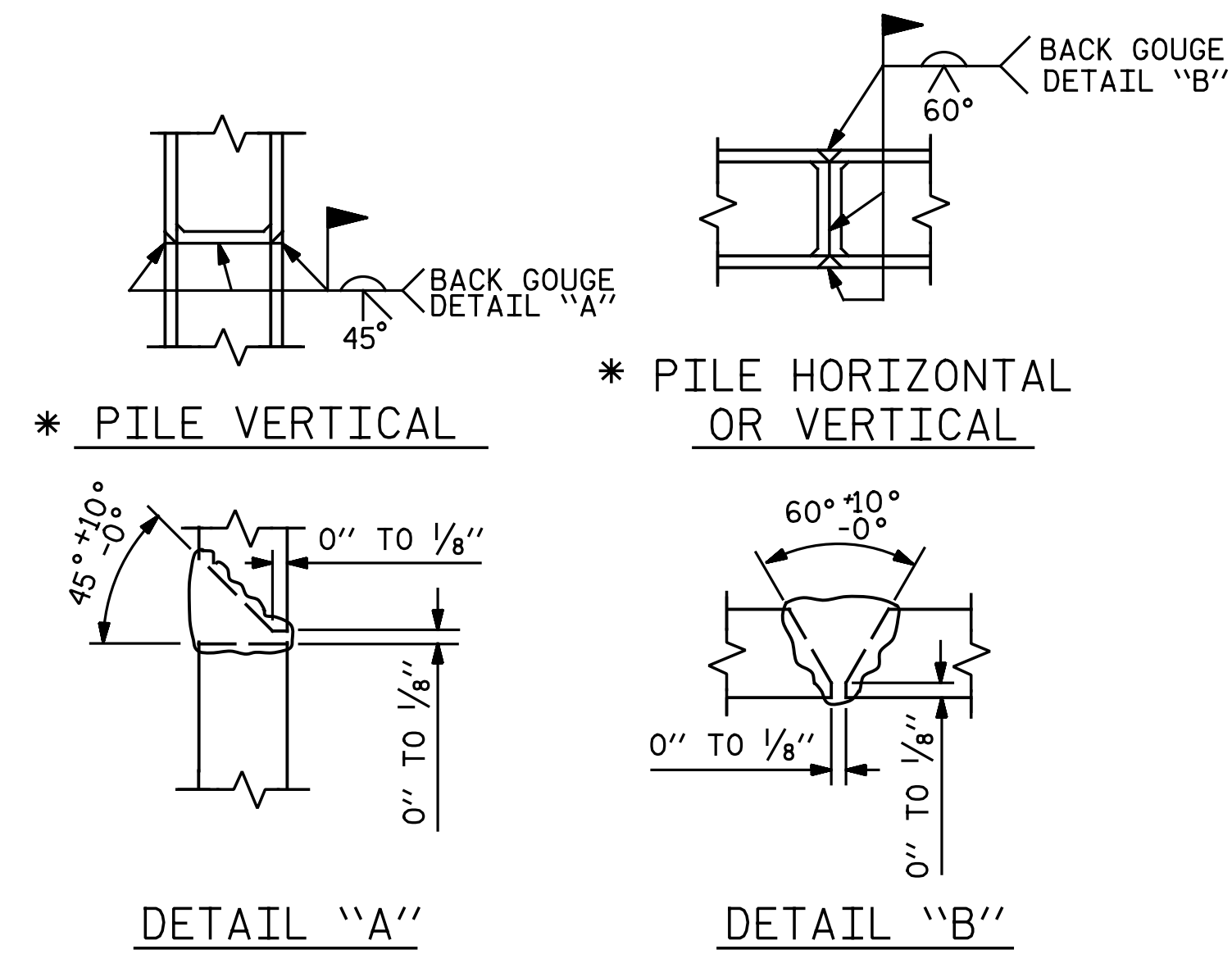
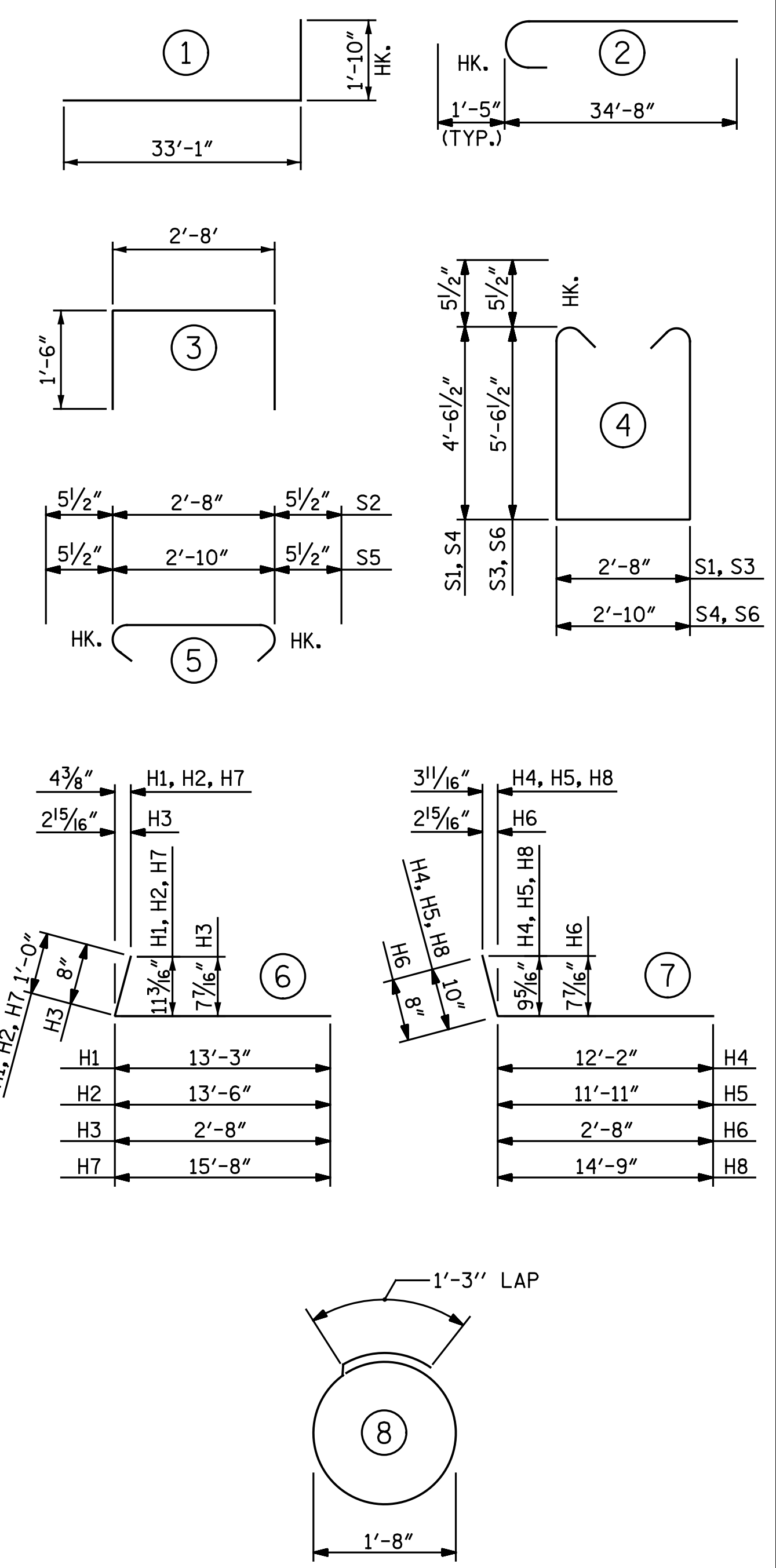


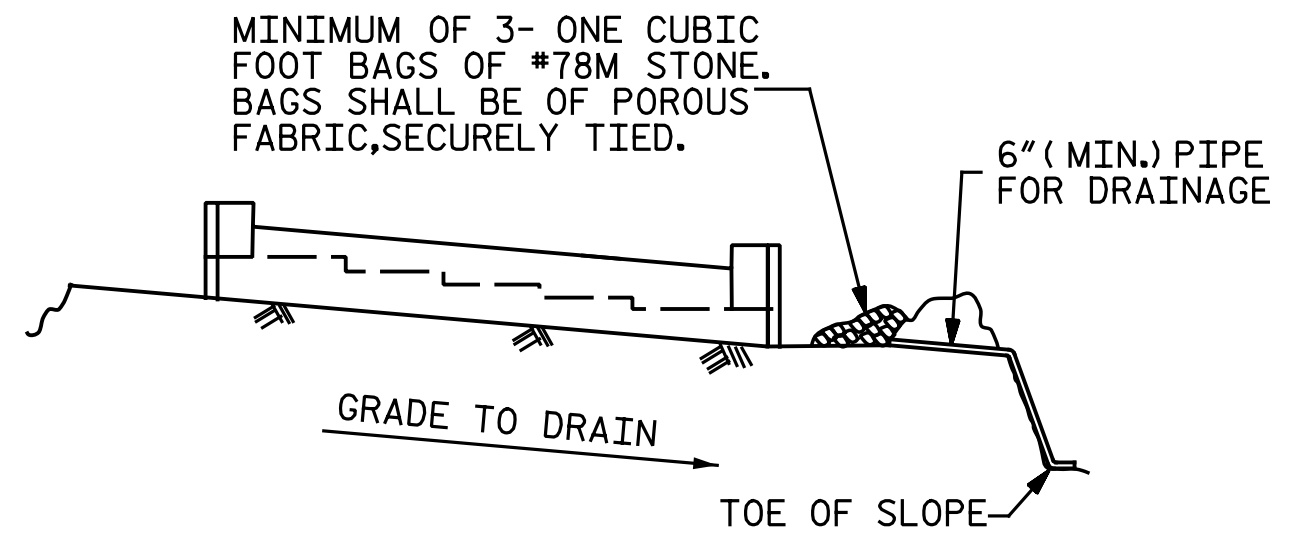
BILL OF MATERIAL

END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	16	#10	1	34' - 11"	2,404
B2	10	#5	STR.	58' - 1"	606
B3	8	#10	2	36' - 1"	1,242
B4	8	#4	STR.	10' - 11"	58
B5	8	#4	STR.	30' - 4"	162
B6	35	#4	STR.	2' - 8"	62
B7	1	#10	STR.	18' - 6"	80
B8	1	#10	STR.	18' - 10"	81
B9	1	#10	STR.	19' - 1"	82
B10	1	#10	STR.	19' - 5"	84
B11	1	#4	STR.	7' - 4"	5
B12	1	#4	STR.	7' - 8"	5
B13	1	#4	STR.	8' - 0"	5
B14	1	#4	STR.	8' - 3"	6
H1	24	#6	6	14' - 3"	514
H2	11	#6	6	14' - 6"	240
H3	22	#4	6	3' - 4"	49
H4	22	#5	7	13' - 0"	298
H5	12	#5	7	12' - 9"	160
H6	24	#4	7	3' - 4"	53
H7	13	#6	6	16' - 8"	325
H8	10	#5	7	14' - 9"	154
S1	37	#5	4	12' - 8"	489
S2	55	#5	5	3' - 7"	206
S3	18	#5	4	14' - 8"	275
S4	1	#5	4	12' - 10"	13
S5	2	#5	5	3' - 9"	8
S6	1	#5	4	14' - 10"	15
S7	32	#4	8	6' - 6"	139
U1	21	#4	3	5' - 8"	79
V1	92	#4	STR.	8' - 4"	512
V2	14	#5	STR.	11' - 1"	162
V3	8	#5	STR.	11' - 0"	92
V4	10	#5	STR.	10' - 11"	114
V5	4	#5	STR.	10' - 10"	45
V6	14	#5	STR.	10' - 0"	146
V7	6	#5	STR.	9' - 11"	62
V8	6	#5	STR.	9' - 10"	62
V9	4	#5	STR.	9' - 9"	41
V10	4	#5	STR.	9' - 8"	40
V11	2	#5	STR.	5' - 10"	12
V12	2	#5	STR.	4' - 5"	9
REINFORCING STEEL				LBS.	9,196
CLASS A CONCRETE					
POUR 1 - CAP, LOWER PART OF WINGS & COLLARS				C.Y.	42.0
POUR 2 - UPPER PART OF WINGS				C.Y.	6.1
TOTAL				C.Y.	48.1
HP 12 x 53 STEEL PILES NO. 8				L.F.	200
PILE DRIVING EQUIPMENT SETUP FOR HP 12 x 53 STEEL PILES				EA.	8

BAR TYPES



PILE SPLICE DETAILS  
\* POSITION OF PILE DURING WELDING.



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.

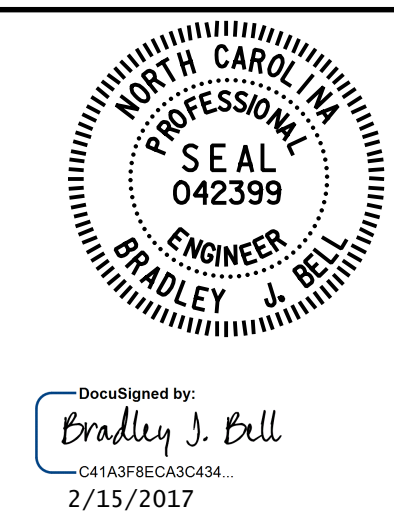
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR 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 : M. D. MAYHEW DATE : 8-17-16  
CHECKED BY : A. H. SHARPE DATE : 8-19-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUBSTRUCTURE  
INTEGRAL END BENT 2  
DETAILS  
RIGHT LANES

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-35
1			3			TOTAL SHEETS 39
2			4			

PROJECT NO. U-3330  
NASH COUNTY  
STATION: 18+22.61 -Y1-  
SHEET 2 OF 2