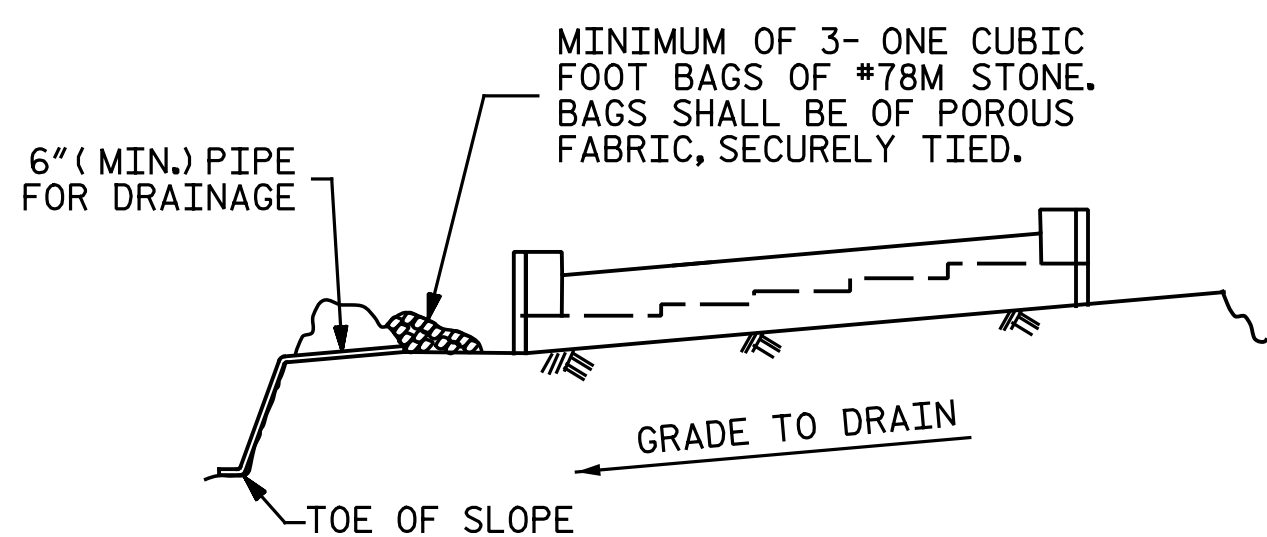


**PILE SPLICE DETAILS**

\* 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.

**TEMPORARY DRAINAGE AT END BENT**

DRAWN BY : M. D. MAYHEW DATE : 8-19-16  
 CHECKED BY : J. M. GARRISON DATE : 8-19-16

**BILL OF MATERIAL**

**END BENT 1**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	16	#10	1	28' - 5"	1,956
B2	10	#5	STR.	45' - 2"	471
B3	4	#10	2	48' - 0"	826
B4	1	#10	STR.	18' - 9"	81
B5	1	#10	STR.	18' - 6"	80
B6	1	#10	STR.	18' - 2"	78
B7	1	#10	STR.	17' - 10"	77
B8	8	#4	STR.	23' - 10"	127
B9	4	#4	STR.	10' - 5"	28
B10	1	#4	STR.	8' - 3"	6
B11	1	#4	STR.	8' - 0"	5
B12	1	#4	STR.	7' - 8"	5
B13	1	#4	STR.	7' - 4"	5
B14	26	#4	STR.	2' - 8"	46

H1	21	#5	6	13' - 0"	285
H2	11	#5	6	12' - 9"	146
H3	22	#4	6	3' - 4"	49
H4	23	#6	7	13' - 9"	475
H5	11	#6	7	14' - 1"	233
H6	22	#4	7	3' - 4"	49
H7	10	#5	6	14' - 9"	154
H8	12	#6	7	16' - 2"	291

S1	25	#5	4	12' - 9"	332
S2	42	#5	5	3' - 7"	157
S3	17	#5	4	14' - 3"	253
S4	1	#5	4	12' - 11"	13
S5	2	#5	5	3' - 9"	8
S6	1	#5	4	14' - 5"	15
S7	24	#4	8	6' - 6"	104

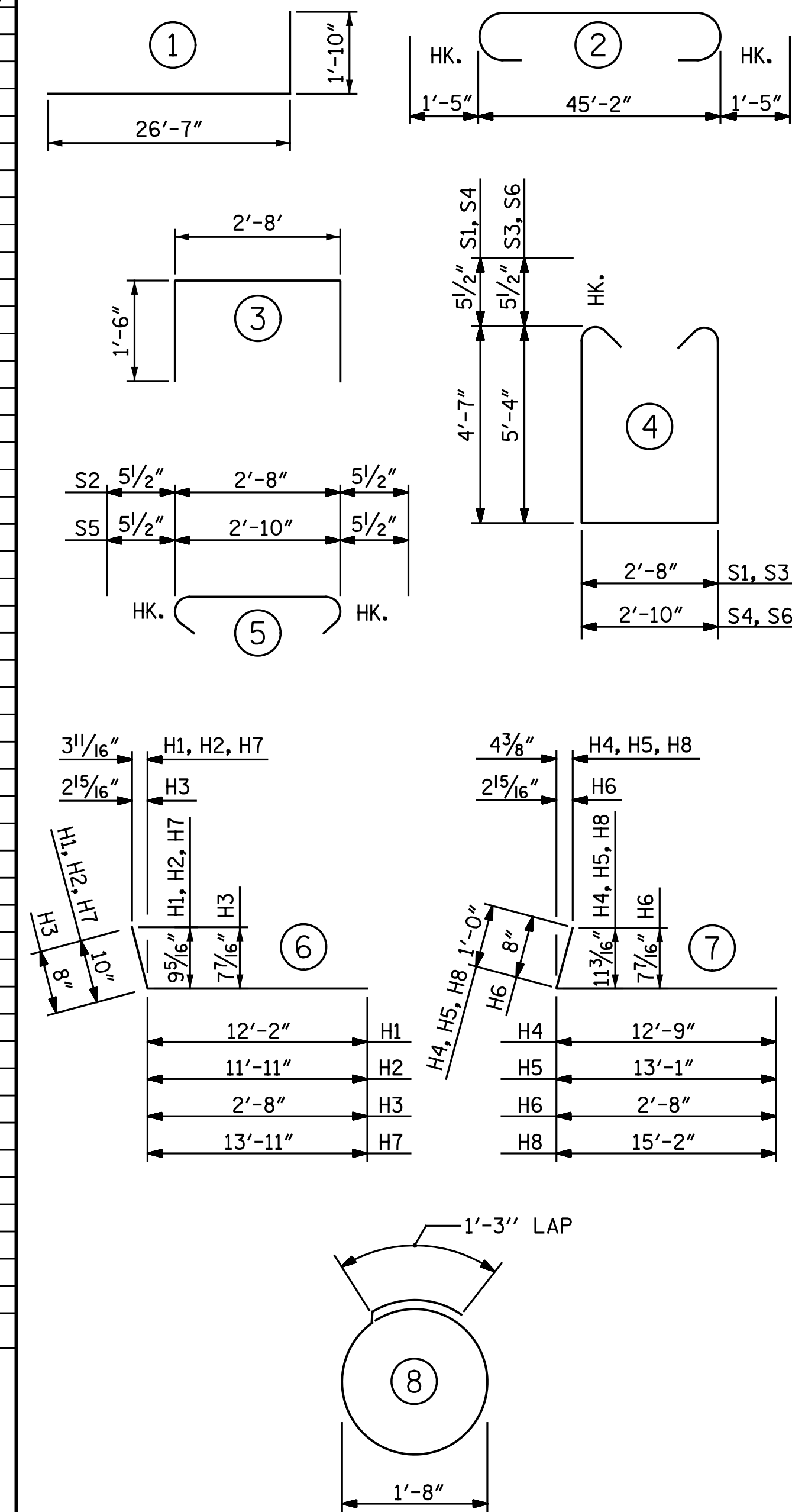
REINFORCING STEEL LBS. 7,538

CLASS A CONCRETE  
 POUR 1 - CAP, LOWER PART OF WINGS & COLLARS C.Y. 33.2  
 POUR 2 - UPPER PART OF WINGS C.Y. 5.9  
 TOTAL C.Y. 39.1

HP 12 x 53 STEEL PILES NO. 6 L.F. 150

PILE DRIVING EQUIPMENT SETUP FOR HP 12 x 53 STEEL PILES EA. 6

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT.

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

SHEET 2 OF 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	<p>DocuSigned by: Bradley J. Bell C41A3F8E3C3A34 2/15/2017</p>	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE INTEGRAL END BENT 1 DETAILS LEFT LANES		SHEET NO. SI-28 TOTAL SHEETS 38			
		REVISIONS					
		NO.	BY:	DATE:	NO.	BY:	DATE:
		1			3		
		2			4		

**Michael Baker International**  
 Michael Baker Engineering  
 8000 Regency Parkway, Suite 600  
 Cary, North Carolina 27518  
 NC License No.: F-1084