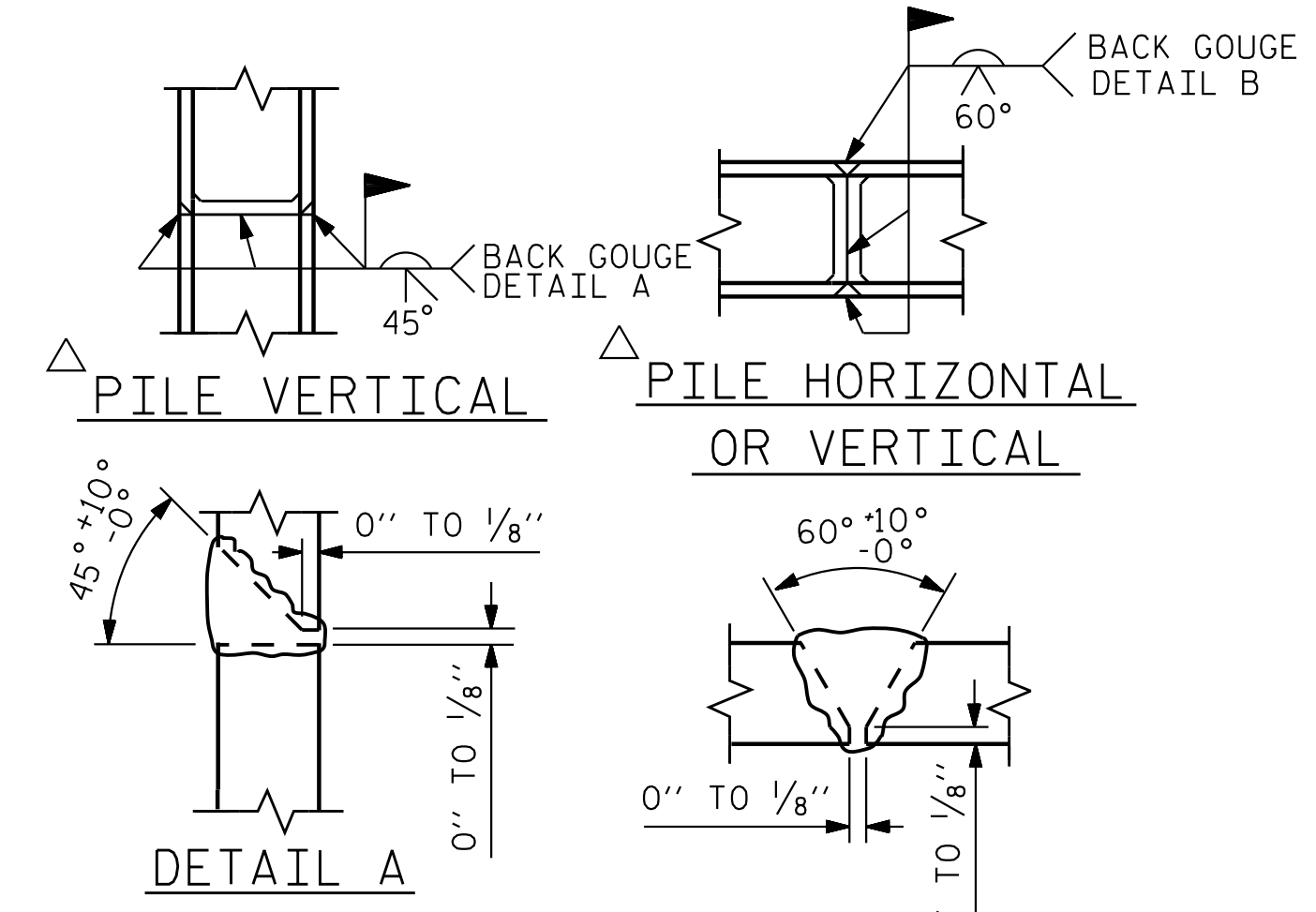


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

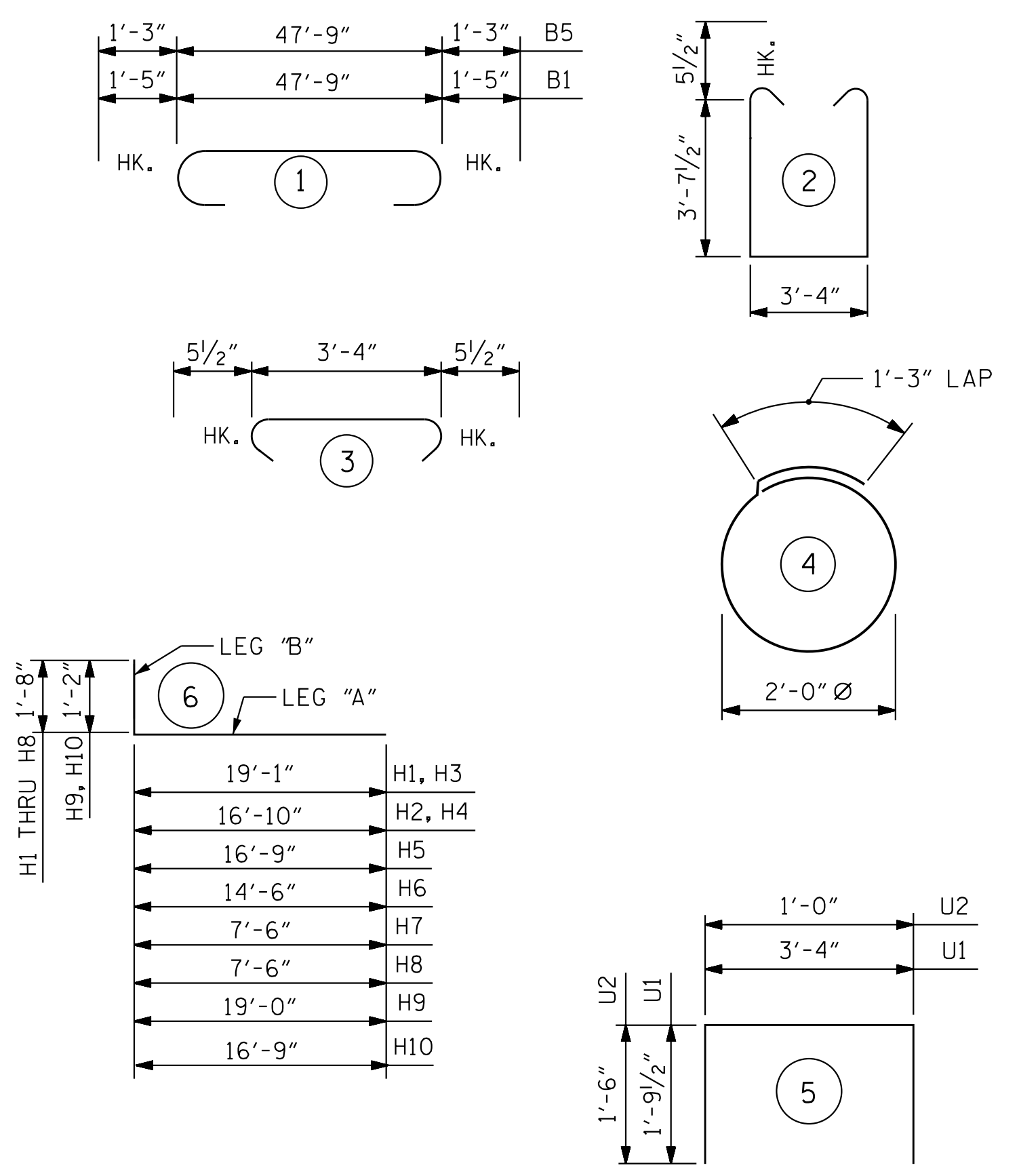
**TEMPORARY DRAINAGE AT END BENT**



POSITION OF PILE DURING WELDING.  
**PILE SPLICE DETAILS**

**BILL OF MATERIAL**

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT.

**END BENT 2**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#10	1	50'-7"	1306
B2	2	#10	STR	47'-3"	407
B3	8	#4	STR	24'-10"	133
B4	6	#6	STR	47'-9"	430
B5	6	#9	1	50'-3"	1025
B6	19	#4	STR	3'-4"	42
B7	6	#4	STR	30'-5"	122
B8	6	#4	STR	19'-5"	78
B9	6	#4	STR	8'-5"	34
H1	17	#7	6	20'-9"	721
H2	15	#7	6	18'-6"	567
H3	13	#5	6	20'-9"	281
H4	13	#5	6	18'-6"	251
H5	9	#7	6	18'-5"	339
H6	9	#5	6	16'-2"	152
H7	9	#7	6	9'-2"	169
H8	9	#7	6	9'-2"	169
H9	2	#7	6	20'-2"	82
H10	2	#7	6	17'-11"	73
K1	8	#4	STR	2'-9"	15
K2	28	#4	STR	5'-10"	109
S1	64	#5	2	11'-6"	768
S2	56	#5	3	4'-3"	248
S3	32	#4	4	7'-7"	162
U1	30	#4	5	6'-11"	142
U2	18	#4	5	4'-0"	142
V1	74	#5	STR	7'-5"	572
V2	26	#5	STR	11'-10"	321
V3	42	#5	STR	11'-1"	486
V4	11	#5	STR	11'-9"	135
V5	11	#5	STR	11'-0"	126
REINFORCING STEEL					LBS, 9,510
CLASS A CONCRETE BREAKDOWN:					
POUR#1: CAP, COLLARS, & WINGS				C.Y.	32.6
POUR#2: UPPER WINGS				C.Y.	21.1
CLASS A CONCRETE TOTAL				C.Y.	58.7

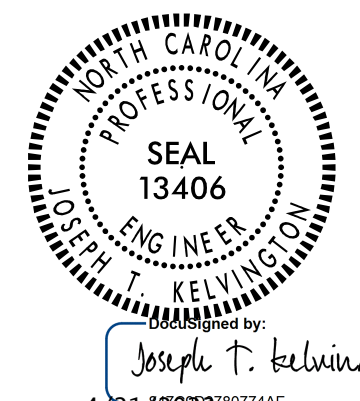
PROJECT NO. R-2707D  
CLEVELAND COUNTY  
 STATION: 810+00.00 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**END BENT 2 DETAILS**

(LL)



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SB-27
1			3			TOTAL SHEETS 30
2			4			

STR. #8

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 Fax. (919) 851-7024  
 www.stantec.com  
 License No. F-0672

DRAWN BY : N. D'AIUTO DATE : 05/09/18 DESIGN ENGINEER  
 CHECKED BY : J.T. KELVINGTON DATE : 12/05/22 OF RECORD: J.T. KELVINGTON DATE : 04/21/23

jHagenbush

4/21/2023

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