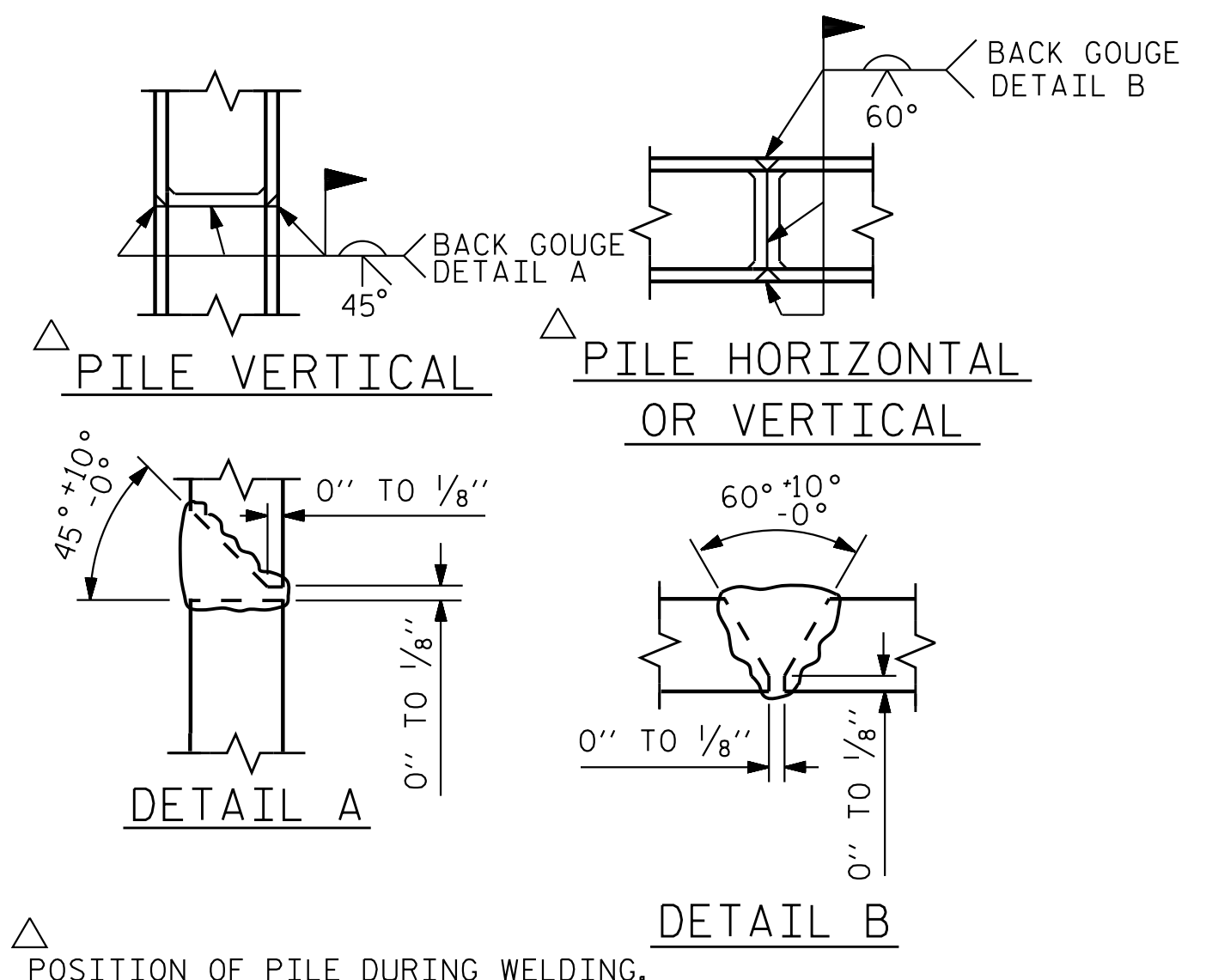


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

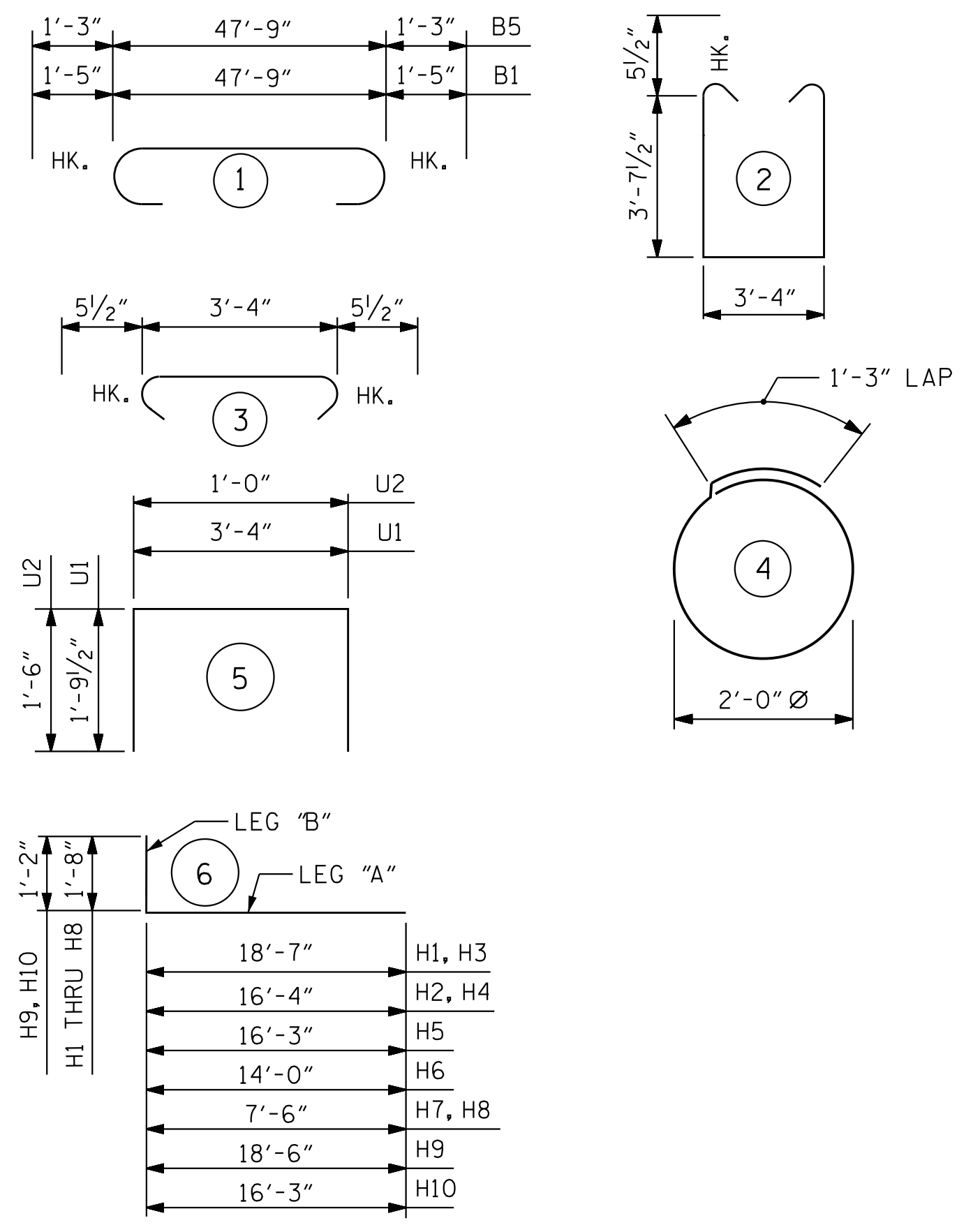
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



PILE SPLICE DETAILS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

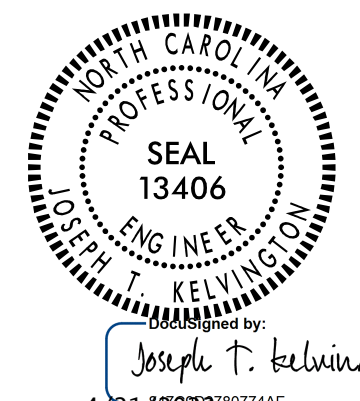
END BENT 1

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	15	#7	6	20'-3"	621
H2	11	#7	6	18'-0"	405
H3	13	#5	6	20'-3"	275
H4	13	#5	6	18'-0"	244
H5	8	#7	6	17'-11"	293
H6	6	#7	6	15'-8"	192
H7	8	#7	6	9'-2"	150
H8	6	#7	6	9'-2"	112
H9	2	#7	6	19'-8"	80
H10	2	#7	6	17'-5"	71
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"	139
U2	15	#4	5	4'-0"	40
V1	74	#5	STR	7'-5"	572
V2	26	#5	STR	11'-10"	321
V3	30	#5	STR	11'-1"	347
V4	11	#5	STR	11'-9"	135
V5	11	#5	STR	11'-0"	126
REINFORCING STEEL					LBS. 9,002
CLASS A CONCRETE BREAKDOWN:					
POUR#1: CAP, COLLARS, & WINGS					C.Y. 36.3
POUR#2: UPPER WINGS					C.Y. 18.8
CLASS A CONCRETE TOTAL					C.Y. 55.1

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

SHEET 4 OF 4

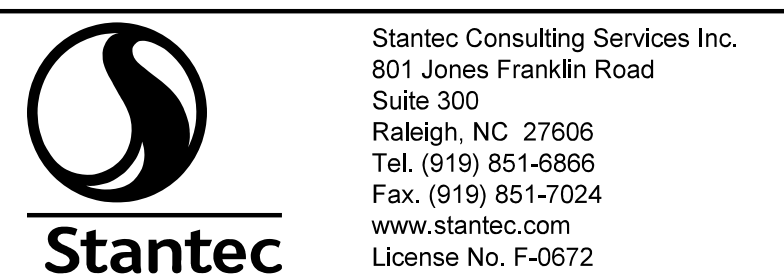
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 1 DETAILS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO. SB-23	TOTAL SHEETS 30
NO.	BY:	DATE:	NO.	BY:	DATE:		
1			3				
2			4				

STR. #8



DRAWN BY: N. D'AIUTO DATE: 05/09/18 DESIGN ENGINEER OF RECORD: J.T. KELVINGTON DATE: 04/21/23
 CHECKED BY: J.T. KELVINGTON DATE: 01/15/23

jHagenbush

4/21/2023

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