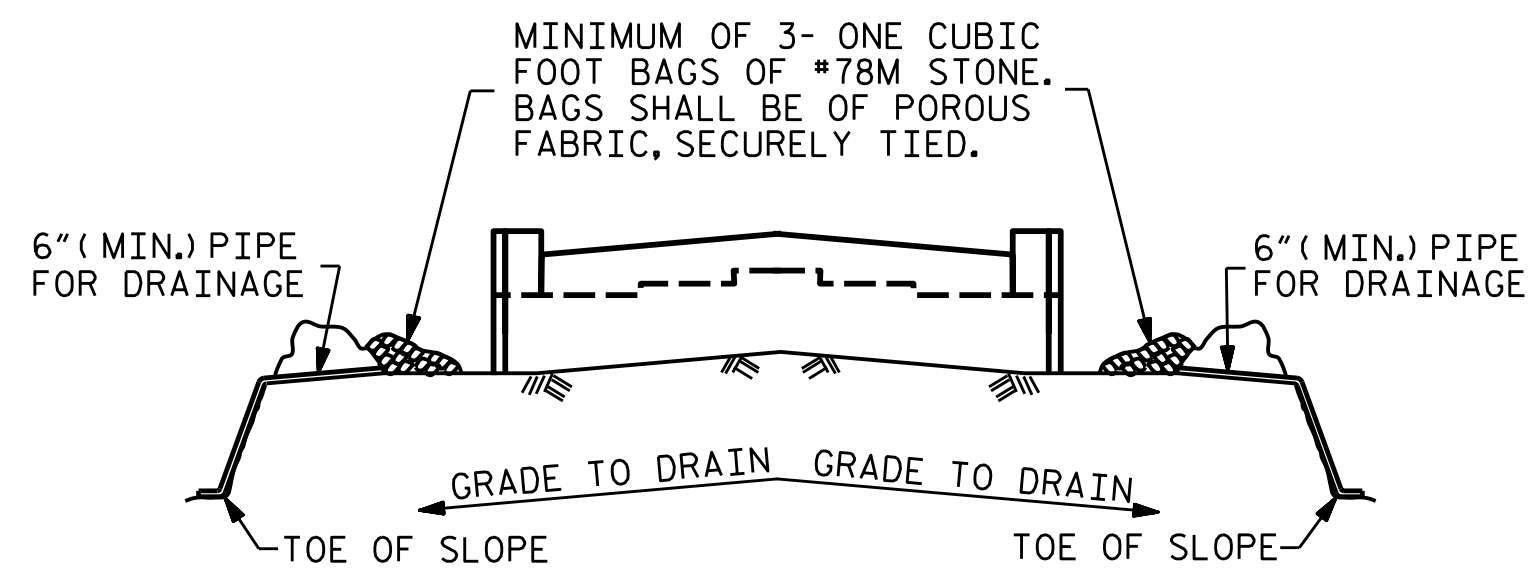


SECTION A-A



MINIMUM OF 3- ONE CUBIC FOOT BAGS OF #78M STONE. BAGS SHALL BE OF POROUS FABRIC, SECURELY TIED.

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.

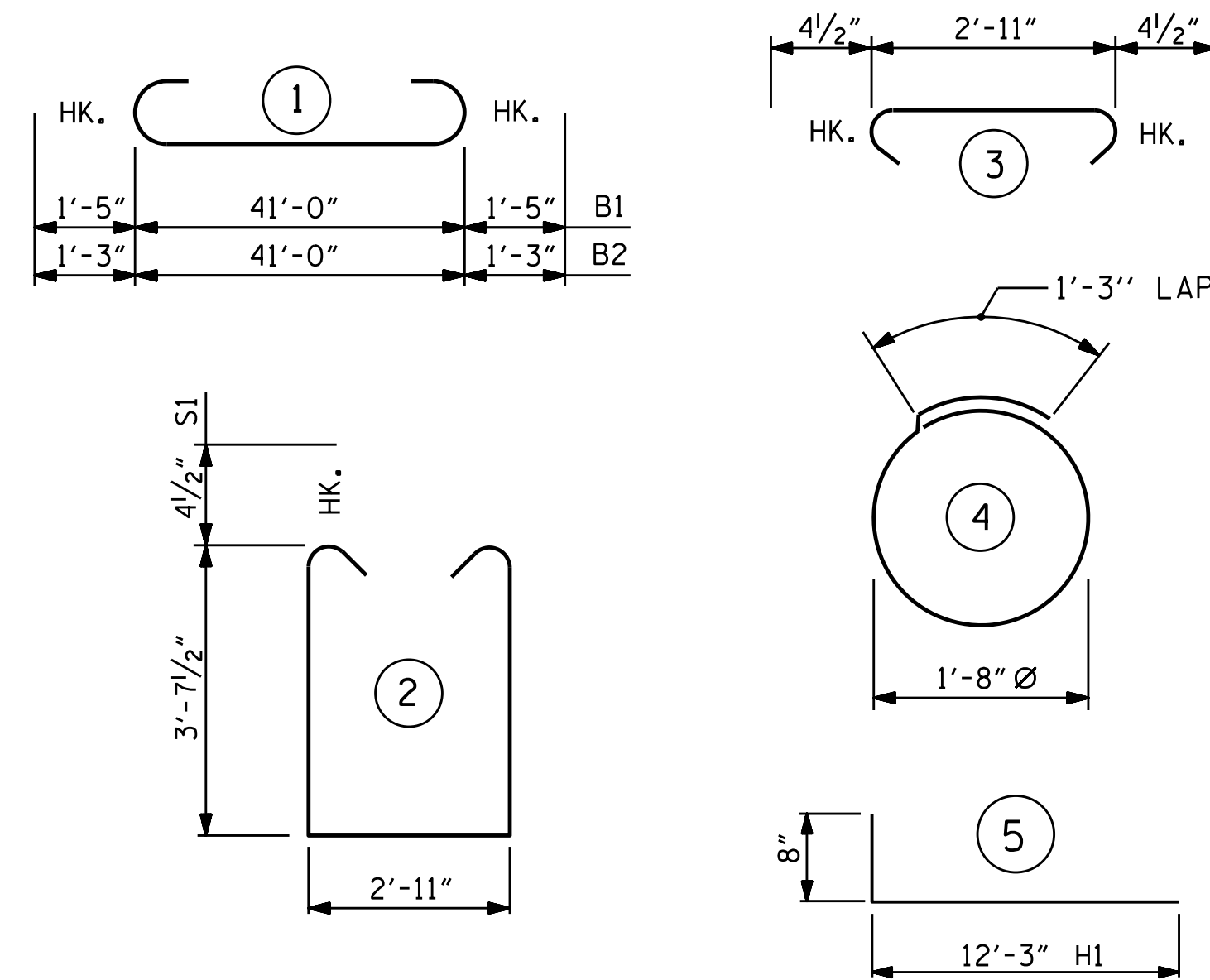
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

DRAWN BY : M.M. AHMED DATE : 8/23/19
 CHECKED BY : S. WANCE DATE : 08/19
 DESIGN ENGINEER OF RECORD: M.M. AHMED DATE : 07/19

4/20/2022
 R:\Structures\Plans\080\401.B5694.SMU.Eb2.S03.080051.dgn
 aygodfrey

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

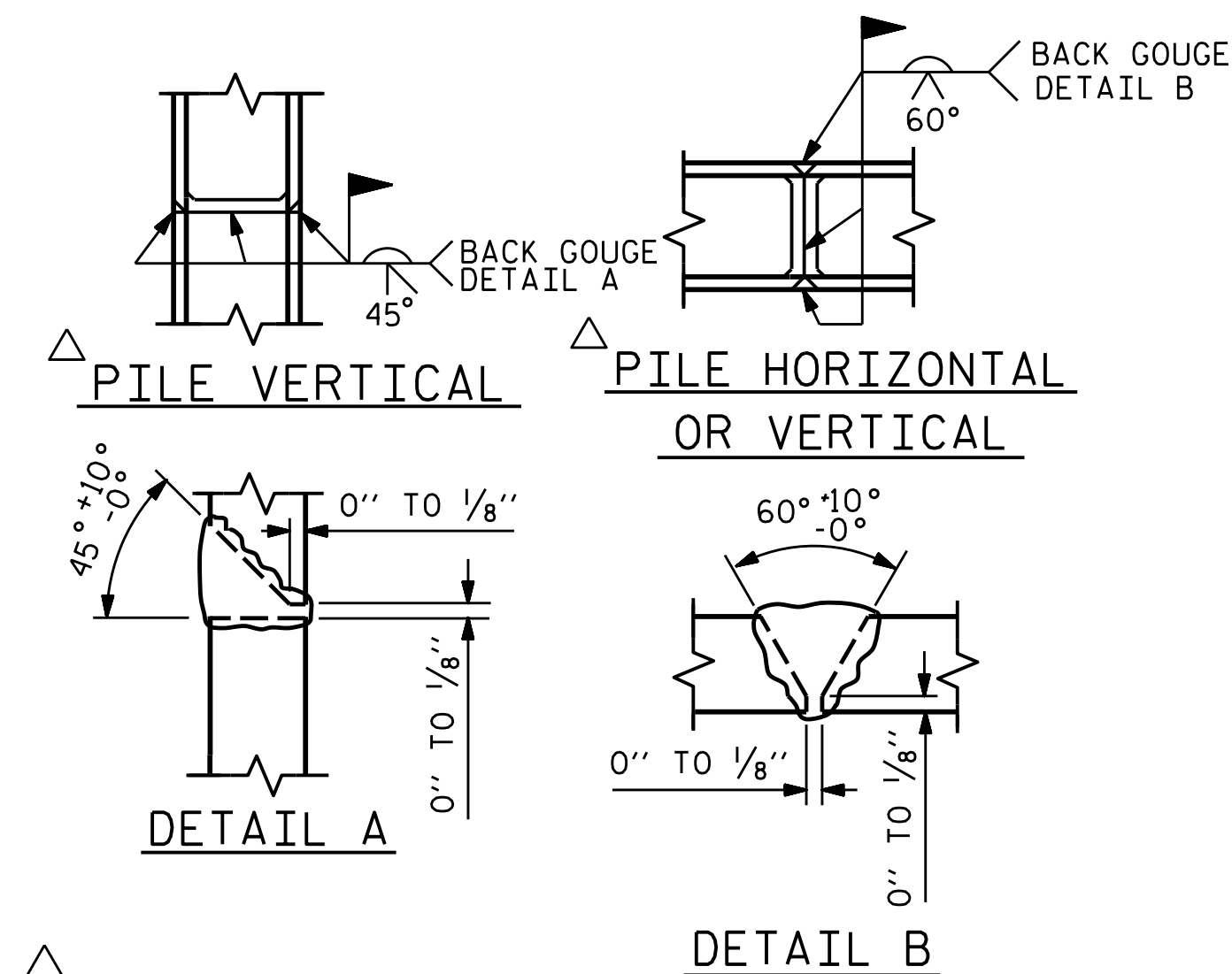
BILL OF MATERIAL

INTEGRAL END BENT #2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#10	1	43'-10"	754
B2	5	#9	1	43'-6"	740
B3	10	#5	STR	41'-0"	428
B4	8	#4	STR	21'-9"	116
B5	11	#4	STR	2'-11"	21
H1	48	#5	5	12'-11"	647
H2	44	#5	STR	3'-9"	172
H3	32	#5	STR	14'-8"	490
S1	56	#5	2	10'-11"	638
S2	56	#5	3	3'-8"	214
S3	28	#4	4	6'-6"	122
V1	62	#4	STR	5'-7"	231
V2	68	#4	STR	9'-7"	435

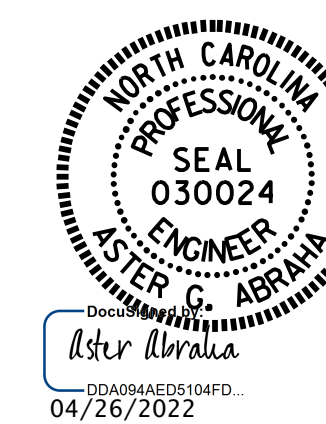
REINFORCING STEEL = 5008 LBS

CLASS A CONCRETE
 POUR #1 (CAP, CONCRETE COLLARS & LOWER PART OF WINGS) 25.2 C.Y.
 POUR #2 (UPPER PART OF WINGS AND BACKWALL) 1.7 C.Y.
 TOTAL 26.9 C.Y.



POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS



PROJECT NO. B-5694
 BLADEN COUNTY
 STATION: 21+85.10 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 INTEGRAL
 END BENT 2

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-34
1			3			TOTAL SHEETS
2			4			37