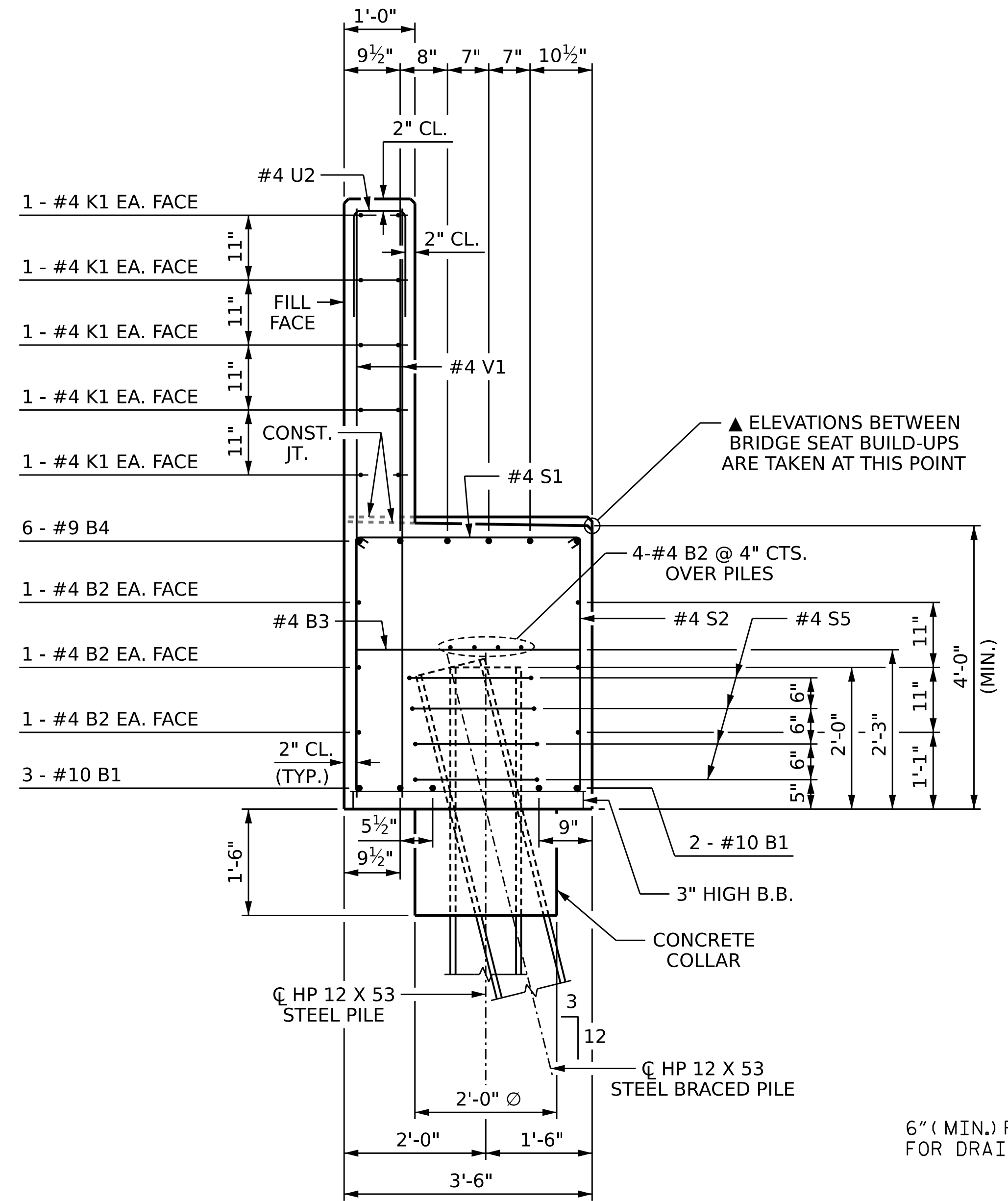
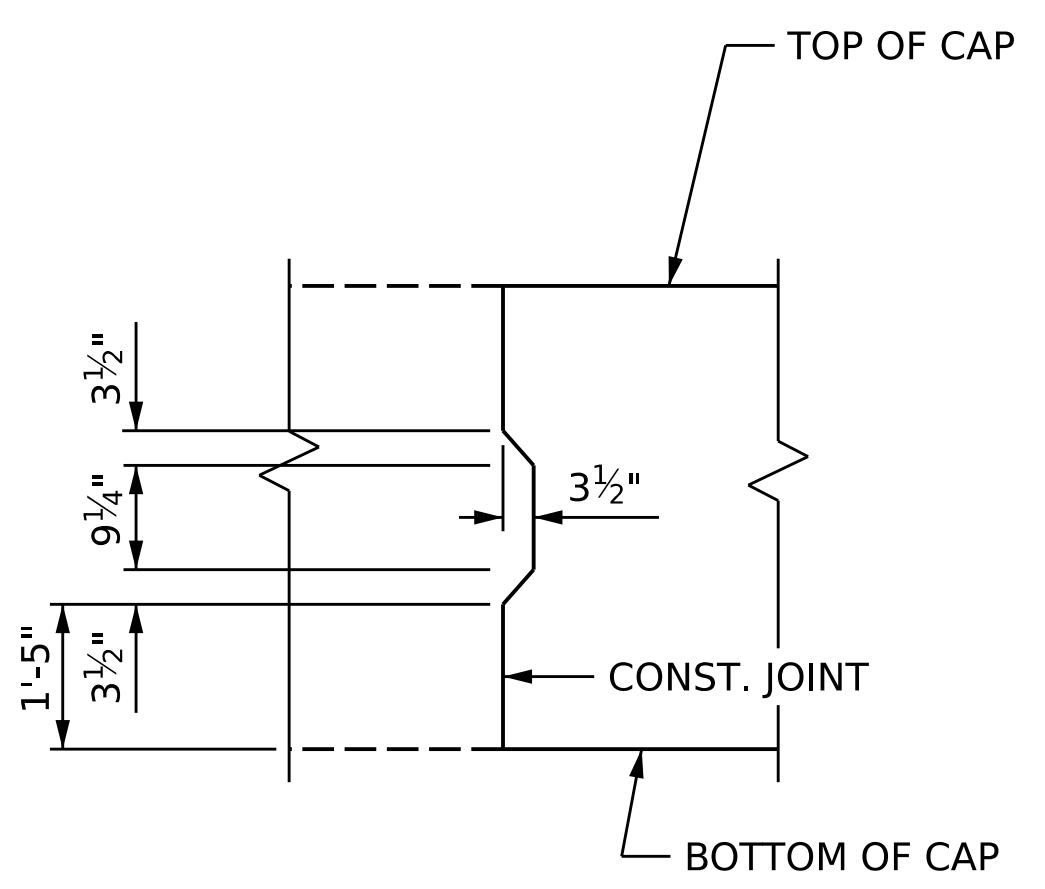


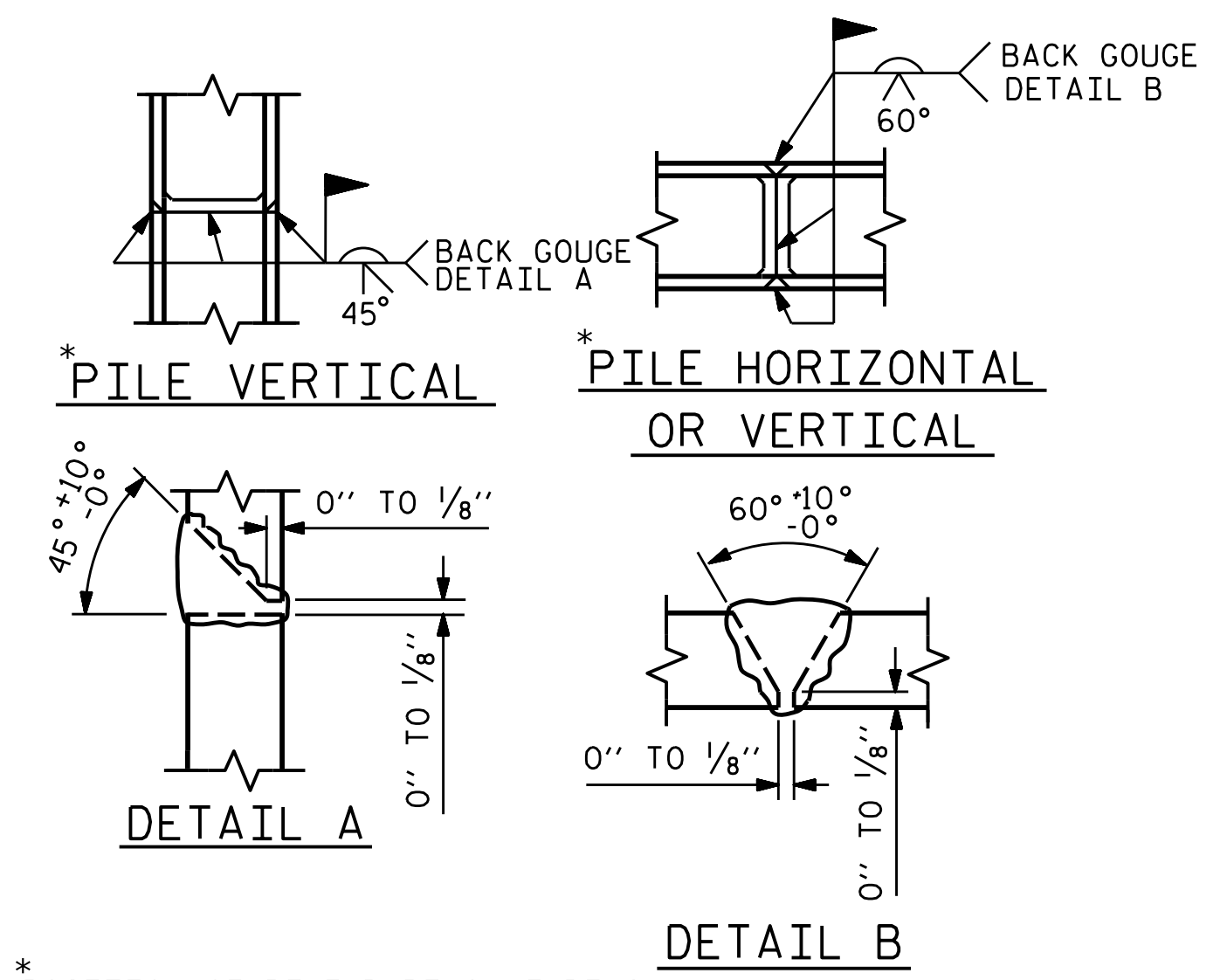
3/21/2023 8:05:47 AM P:\Raleigh\Projects\2019\Division 9 (Davenport)\B-5783\Structures\Drawings\NEW\280164_NB\B-5783_SMU_EI_280164.dgn



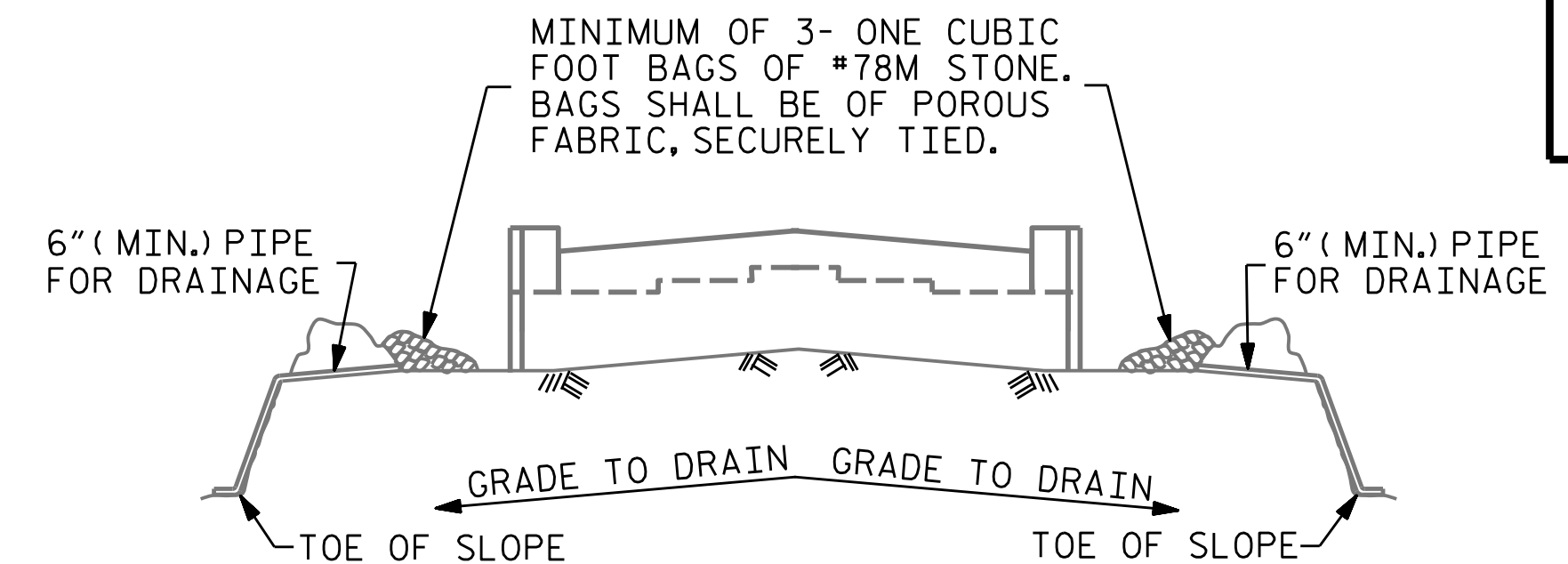
SECTION A-A



SHEAR KEY DETAIL



PILE SPLICE DETAILS



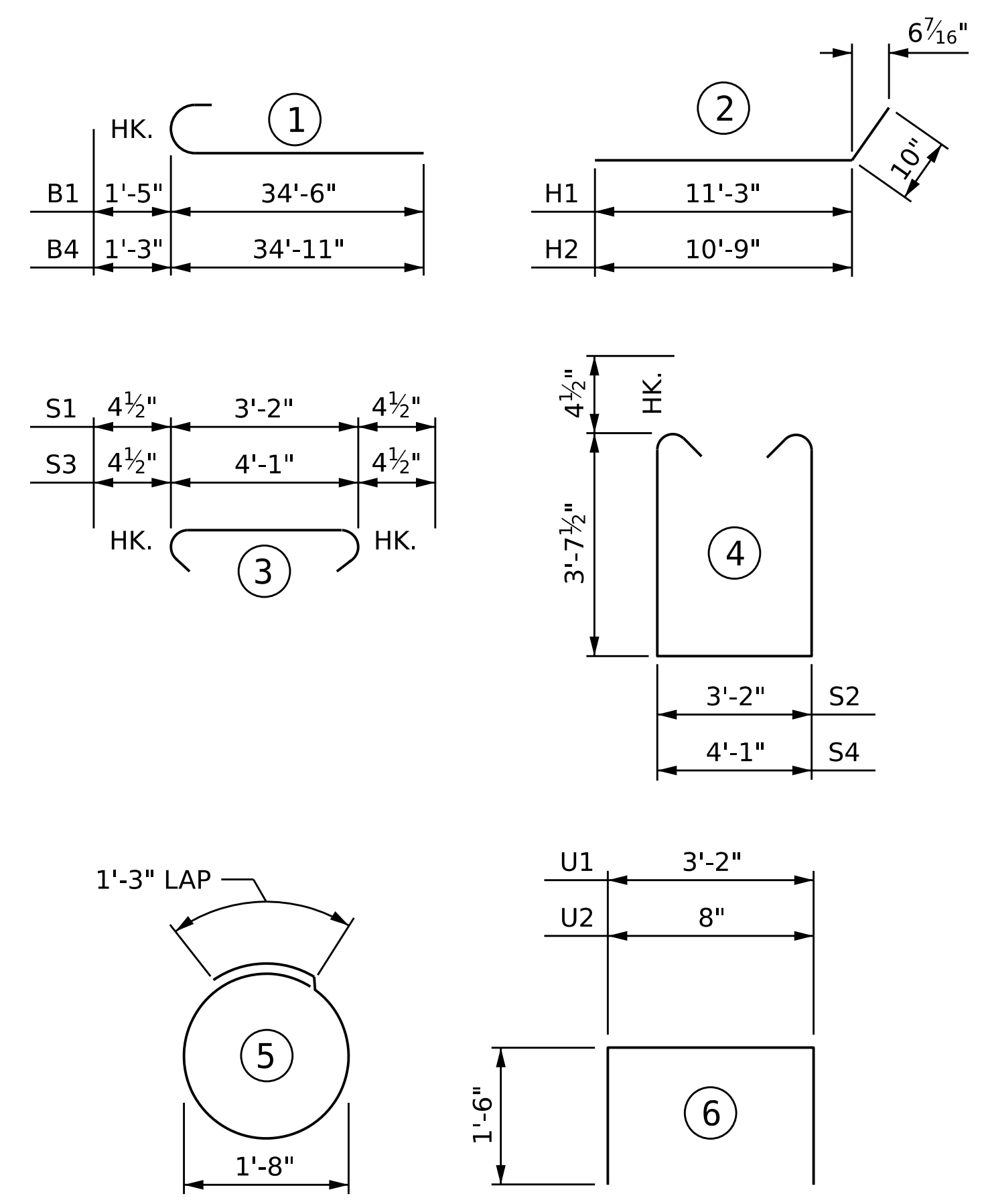
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

END BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	#10	1	35'-11"	773
B2	20	#4	STR	35'-0"	468
B3	16	#4	STR	3'-2"	34
B4	6	#9	1	36'-2"	738
B5	6	#4	STR	10'-7"	42
B6	6	#4	STR	34'-0"	136
B7	5	#10	STR	37'-2"	800
B8	6	#9	STR	37'-6"	765
H1	14	#5	2	12'-1"	176
H2	14	#5	2	11'-7"	169
K1	20	#4	STR	35'-0"	468
K2	4	#4	STR	3'-6"	9
K3	4	#4	STR	11'-7"	31
S1	66	#4	3	3'-11"	173
S2	66	#4	4	11'-2"	492
S3	2	#4	3	4'-10"	6
S4	2	#4	4	12'-1"	16
S5	28	#4	5	6'-6"	122
U1	30	#4	6	6'-2"	124
U2	52	#4	6	3'-8"	127
V1	104	#4	STR	7'-7"	527
V2	33	#4	STR	9'-0"	198
V3	16	#4	STR	9'-5"	101

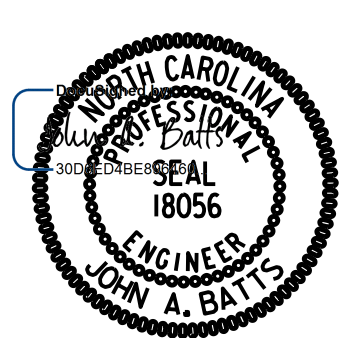
TOTAL REINFORCING STEEL 6495 LB

CLASS A CONCRETE BREAKDOWN	
POUR 1 (CAP & LOWER WINGS)	38.1 CY
POUR 2 (BACKWALL & UPPER WINGS)	11.3 CY
TOTAL CLASS A CONCRETE	49.4 CY

PROJECT NO. B-5783
DAVIDSON COUNTY
 STATION: 21+13.32 -NBL-

SHEET 3 OF 3

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



LICENSURE NO. C-4434

DRAWN BY: S.D. COOPER DATE: 12-22
 CHECKED BY: J.A. BATTS DATE: 12-22
 DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 12-22

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TOTAL SHEETS 40