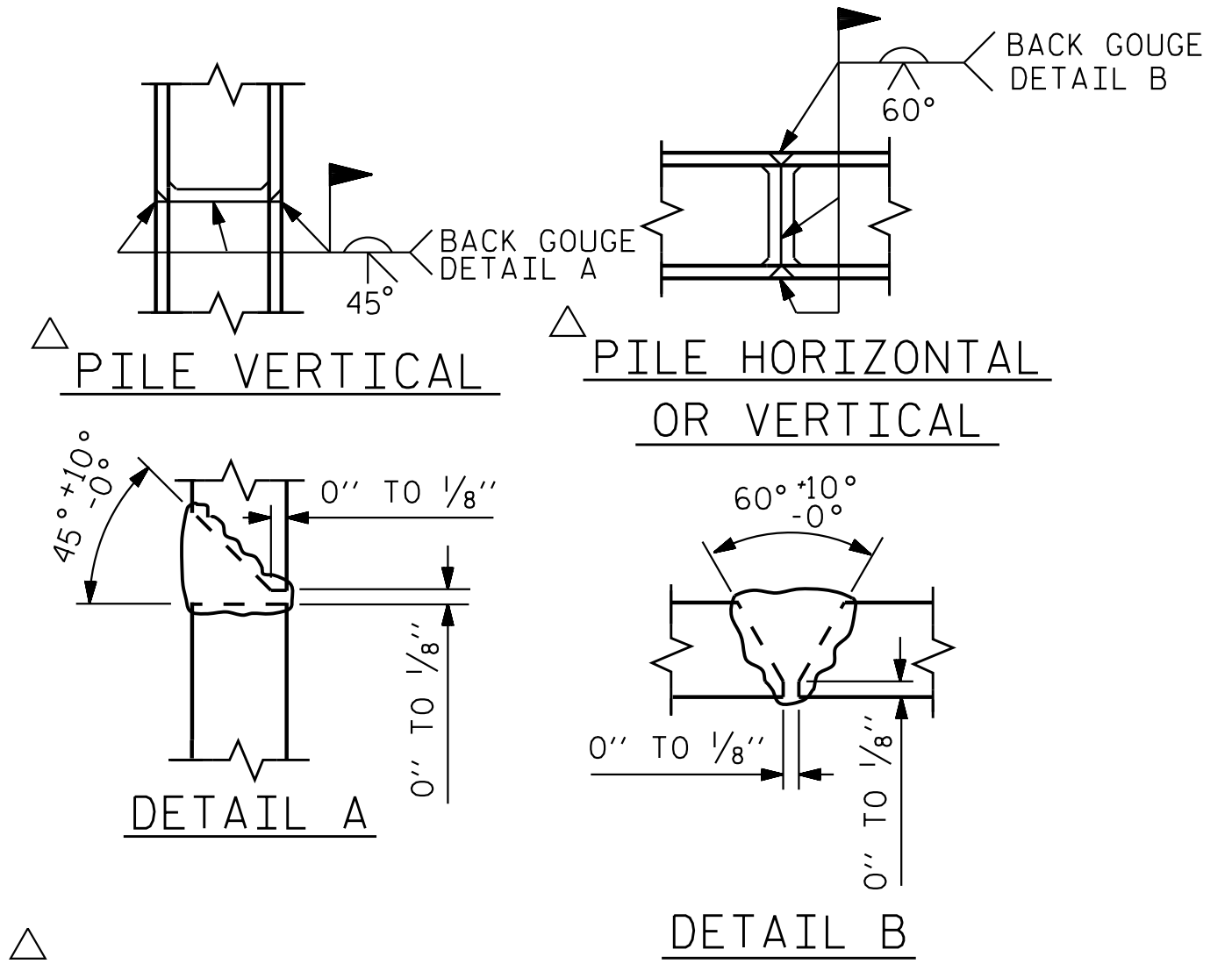


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

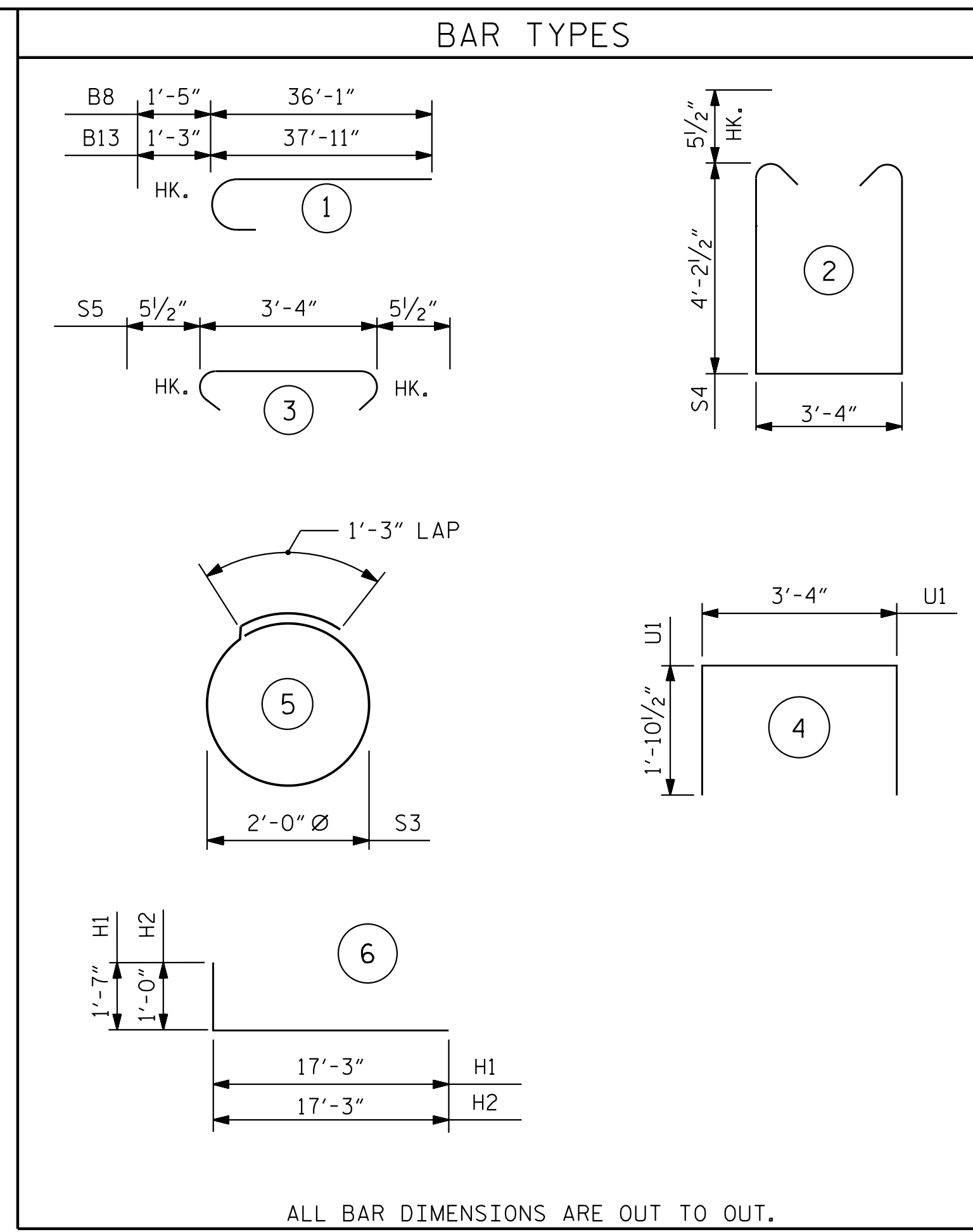
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR 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.

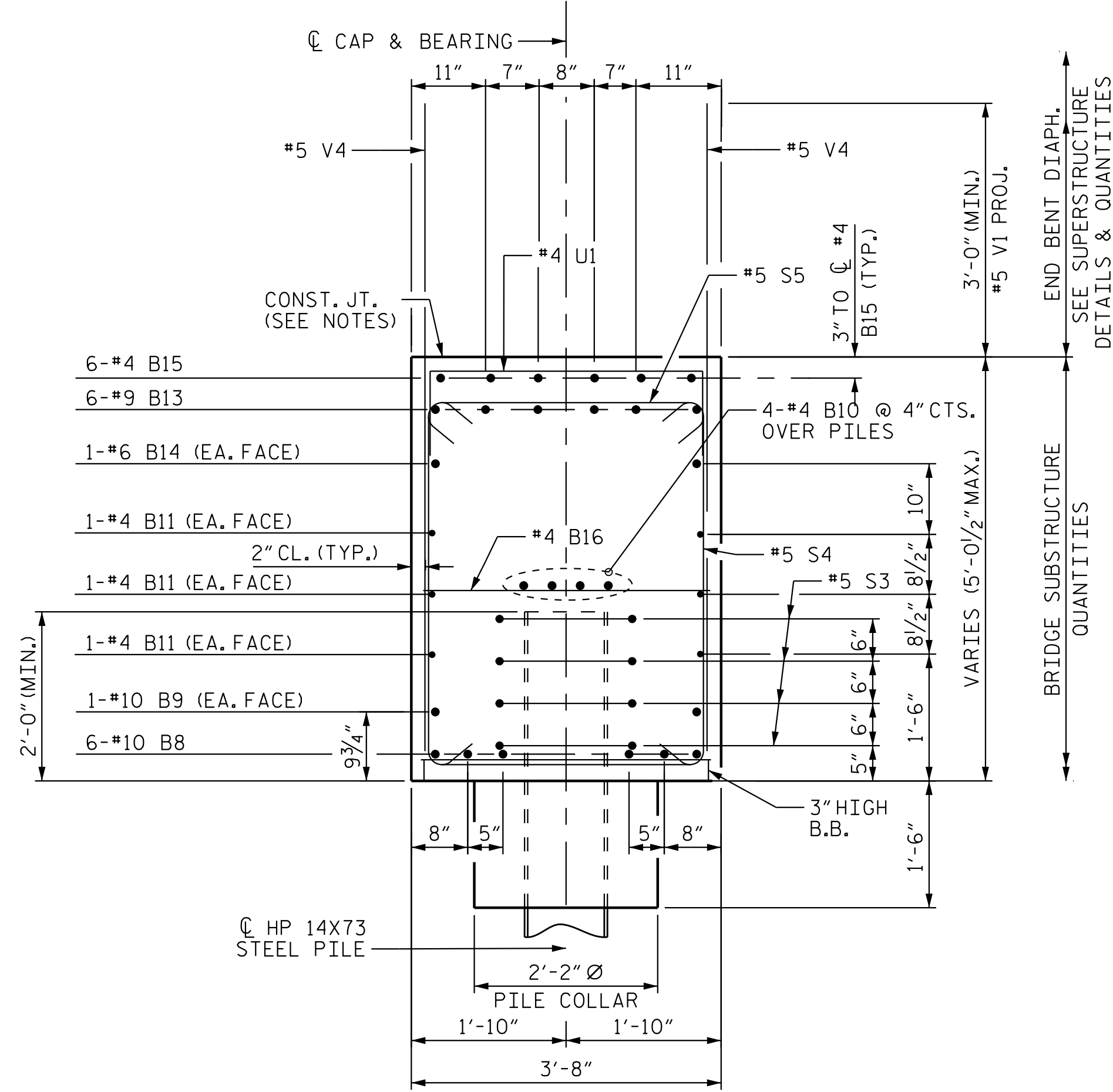
**TEMPORARY DRAINAGE AT END BENT**



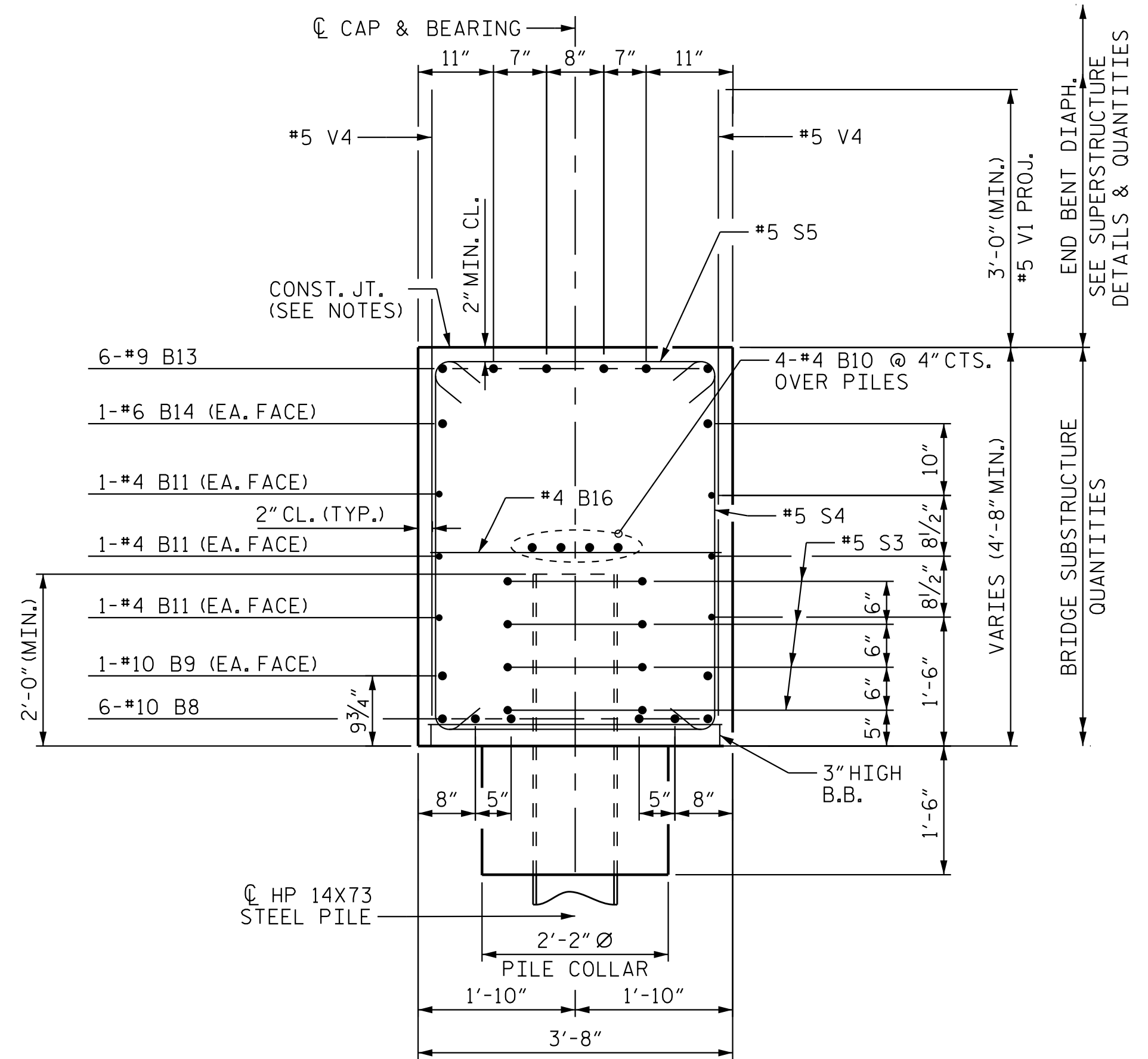
**PILE SPLICE DETAILS**



BILL OF MATERIAL					
END BENT 1 - STAGE II					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B8	#10	1	37'-6"	969	
B9	#10	STR	37'-1"	320	
B10	#4	STR	37'-11"	102	
B11	#4	STR	37'-11"	152	
B12	#9	STR	4'-2"	85	
B13	#9	1	39'-2"	799	
B14	#6	STR	35'-6"	107	
B15	#4	STR	8'-6"	35	
B16	#4	STR	3'-4"	23	
H1	#7	6	18'-10"	1001	
H2	#7	6	18'-3"	970	
K1	#4	STR	2'-3"	7	
K2	#4	STR	5'-4"	50	
S3	#4	5	7'-7"	122	
S4	#5	2	12'-8"	542	
S5	#5	3	4'-3"	156	
U1	#4	4	7'-1"	29	
V3	#5	STR	11'-8"	475	
V4	#5	STR	7'-9"	420	
REINFORCING STEEL					LBS. 6,364
CLASS A CONCRETE BREAKDOWN:					
POUR#3: CAP, COLLARS, & WINGS				C.Y.	29.1
POUR#4: UPPER WINGS				C.Y.	6.9
CLASS A CONCRETE TOTAL				C.Y.	36.0



**SECTION C-C**  
SEE "END BENT 1", SHEET 2 OF 5.



**SECTION D-D**  
SEE "END BENT 1", SHEET 2 OF 5.

**NOTES**

TOP SURFACE AREAS OF THE END BENT CAP SHALL BE KEPT CLEAN AND FREE OF LAITANCE.

ROUGH FLOAT AND ROUGHEN THE TOP OF THE END BENT CAP UNDER END BENT DIAPHRAGM TO PROVIDE MIN. SURFACE AMPLITUDE OF 1/4", EXCEPT UNDER BEARING AREAS.

PROJECT NO. R-2707D

CLEVELAND COUNTY

STATION: 849+00.00 -L-

SHEET 5 OF 5

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**SUBSTRUCTURE**

**END BENT 1 DETAILS (STAGE II)**

**(RIGHT LANE)**



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S6-39
1			3			TOTAL SHEETS
2			4			56

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www.stantec.com  
License No. F-0672

DRAWN BY: J. B. GEILE DATE: 01/08/23

CHECKED BY: S. S. POOLE DATE: 01/10/23

DESIGN ENGINEER OF RECORD: S.S. POOLE DATE: 05/10/23

jHagenbush

5/10/2023

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