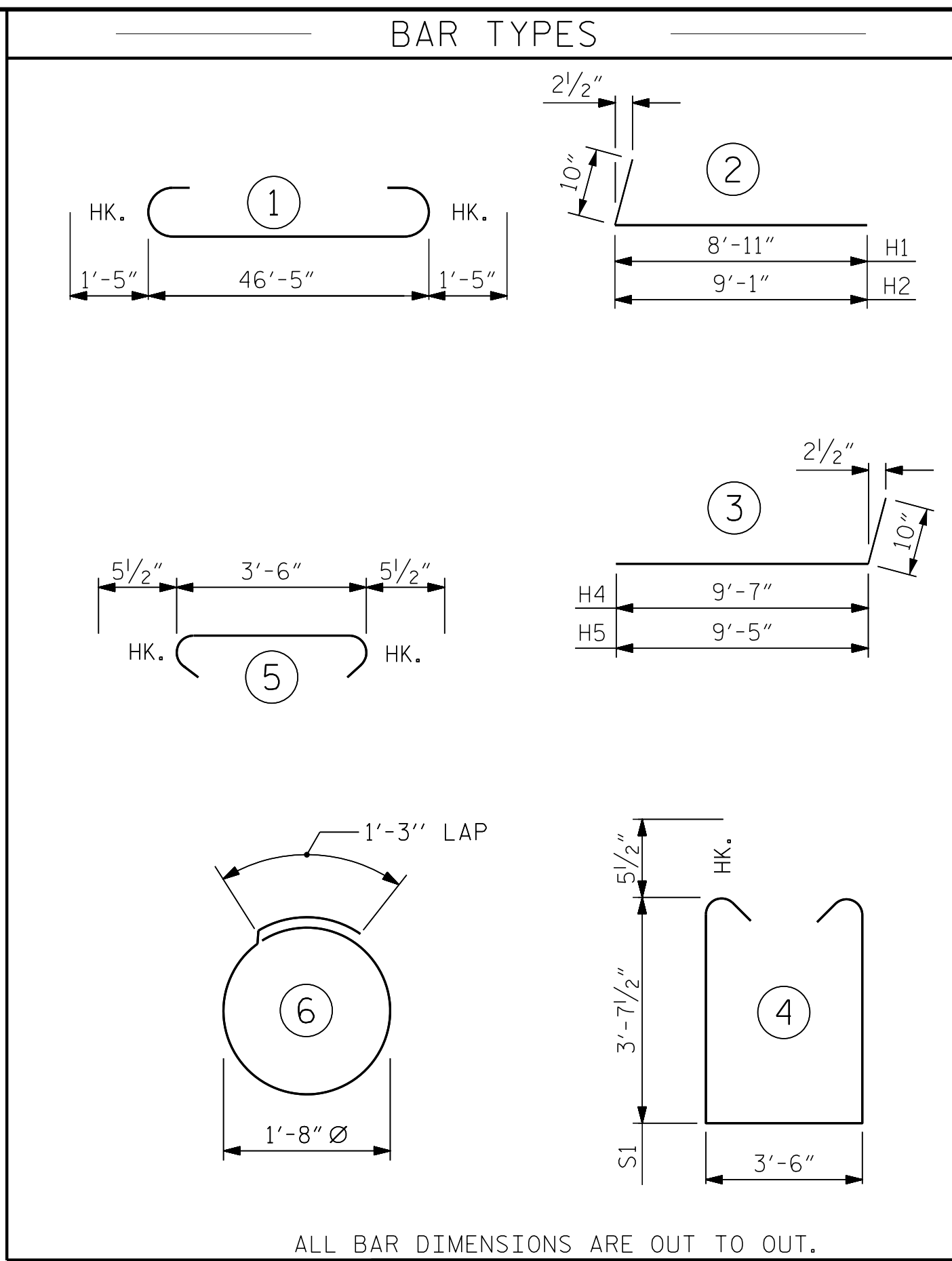
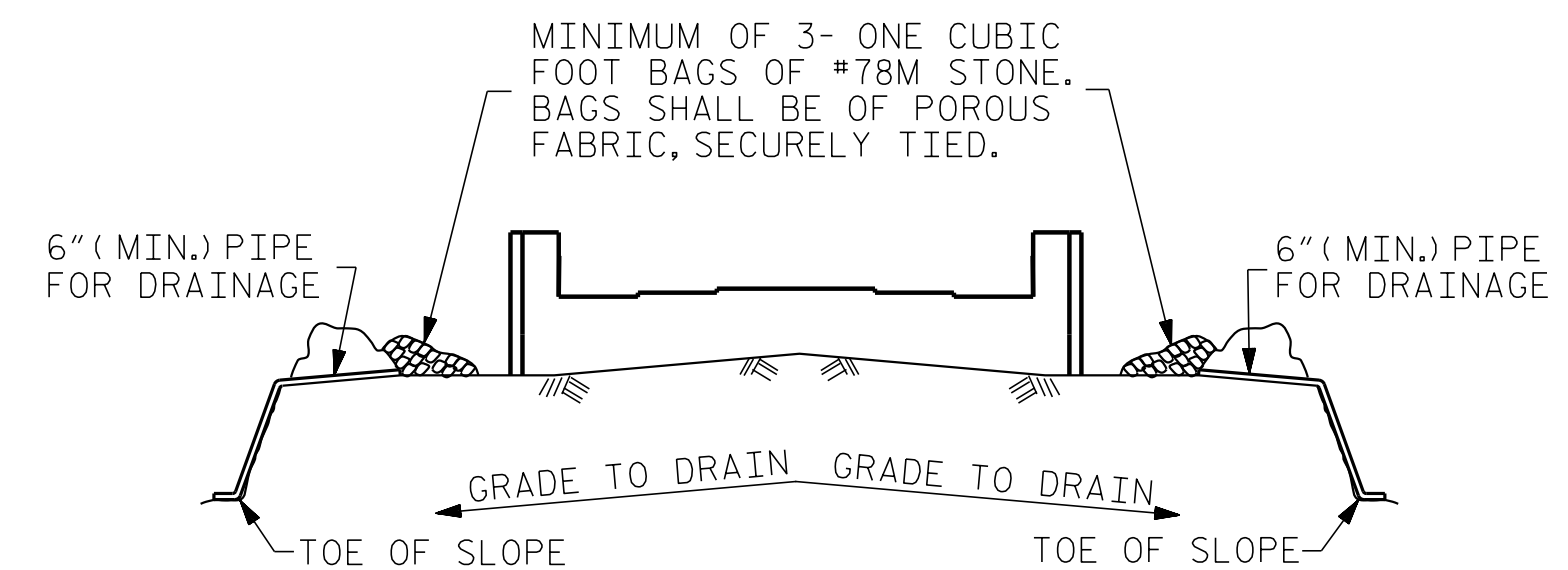


POSITION OF PILE DURING WELDING.  
**PILE SPLICE DETAILS**



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
END BENT No. 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#10		49'-3"	2119
B2	6	#6	STR	46'-6"	419
B3	8	#4	STR	24'-6"	131
B4	12	#4	STR	3'-6"	28
H1	14	#5	2	9'-9"	142
H2	14	#5	2	9'-11"	145
H3	32	#4	STR	3'-9"	80
H4	14	#5	3	10'-5"	152
H5	14	#5	3	10'-3"	150
S1	58	#5	4	11'-8"	706
S2	58	#5	5	4'-5"	267
S3	28	#4	6	6'-6"	122
V1	70	#4	STR	6'-1"	284
V2	60	#5	STR	9'-4"	584
REINFORCING STEEL					5,329 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR #1	CAP, CONC. COLLARS & LOWER PART OF WINGS				31.4 C.Y.
POUR #2	UPPER PART OF WINGS				5.2 C.Y.
TOTAL CLASS A CONCRETE					36.6 C.Y.
HP 12 X 53 STEEL PILES					
NO: 7					410 L.F.
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES					7 EA.
PILE REDRIVES					4 EA.



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

6" (MIN.) PIPE FOR DRAINAGE

GRADE TO DRAIN

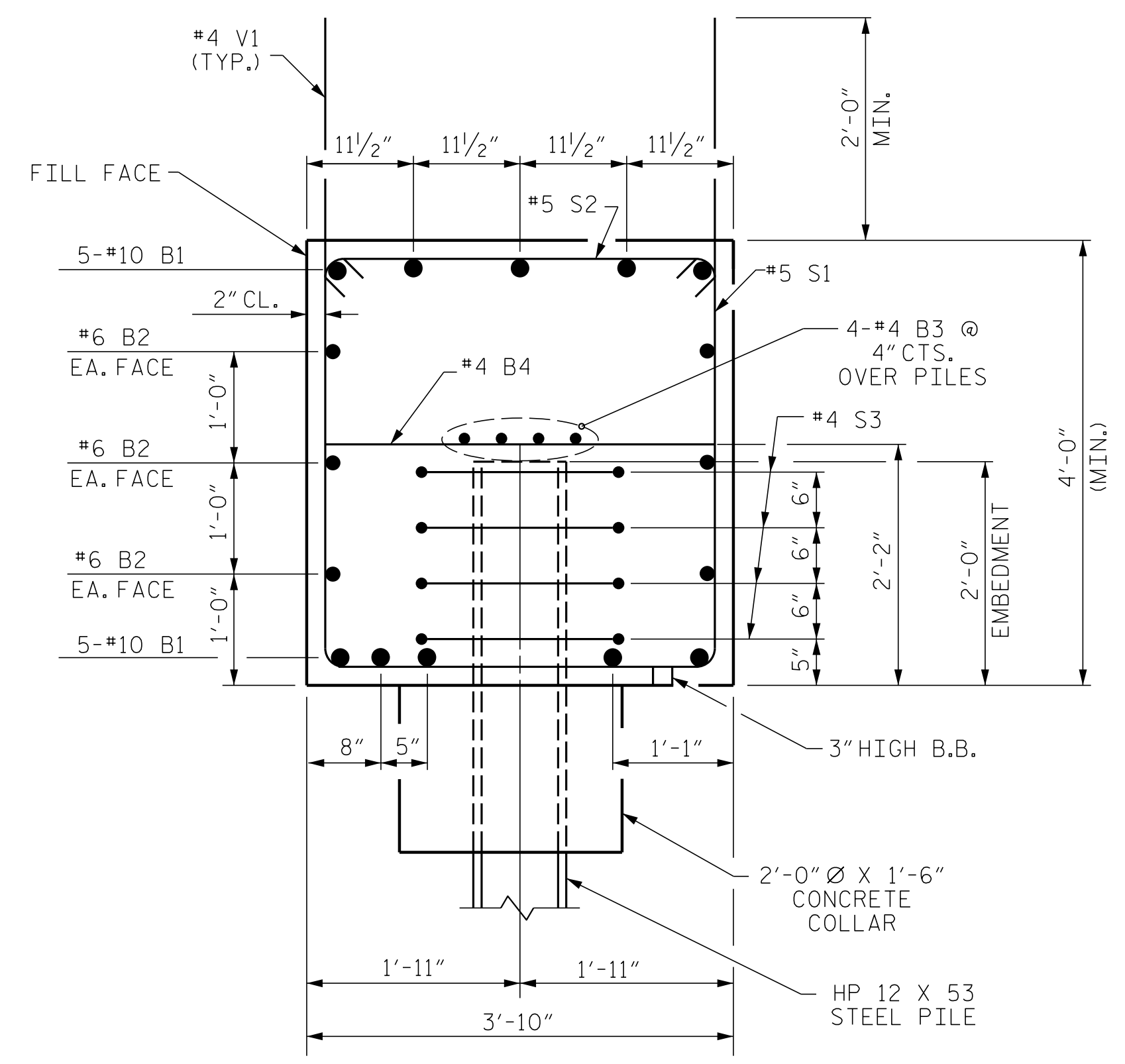
TOE OF SLOPE

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.

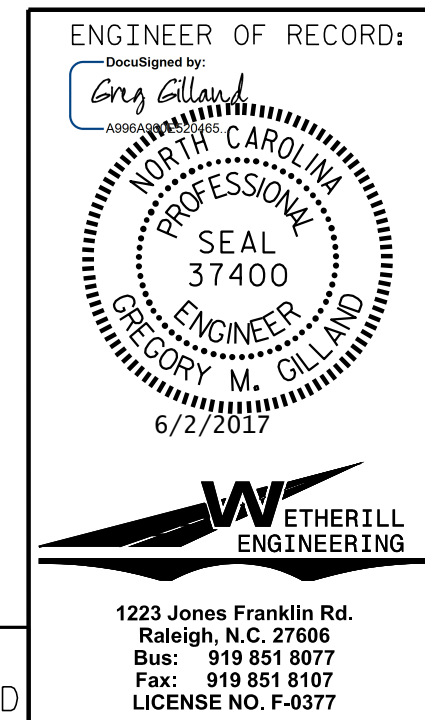
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

**TEMPORARY DRAINAGE AT END BENT**



**SECTION A-A**

PROJECT NO. I-5786  
JOHNSTON COUNTY  
 STATION: 20+25.64 -Y4-  
 SHEET 3 OF 3



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

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 END BENT No. 1

DRAWN BY : D. HODGE DATE : 4/17  
 CHECKED BY : B.C. HUNT DATE : 5/17

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 Bus: 919 851 8077  
 Fax: 919 851 8107  
 LICENSE NO. F-0377

SHEET NO.  
 S02-22  
 TOTAL SHEETS  
 31

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