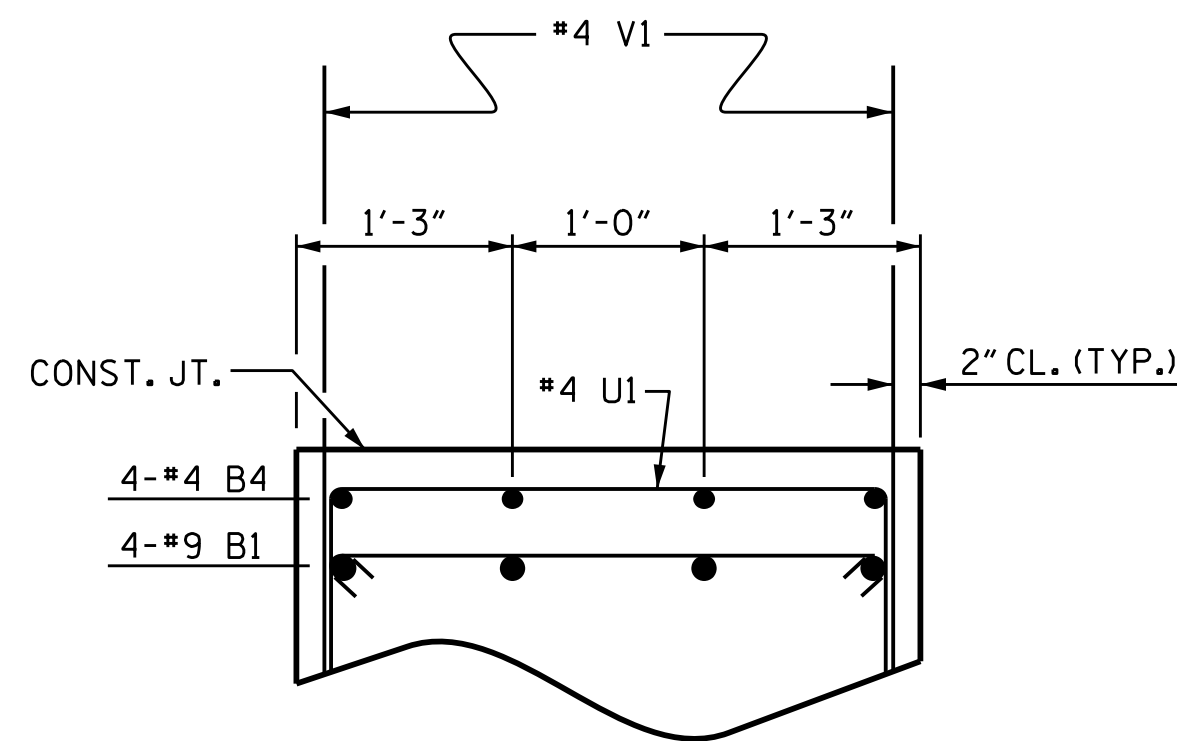
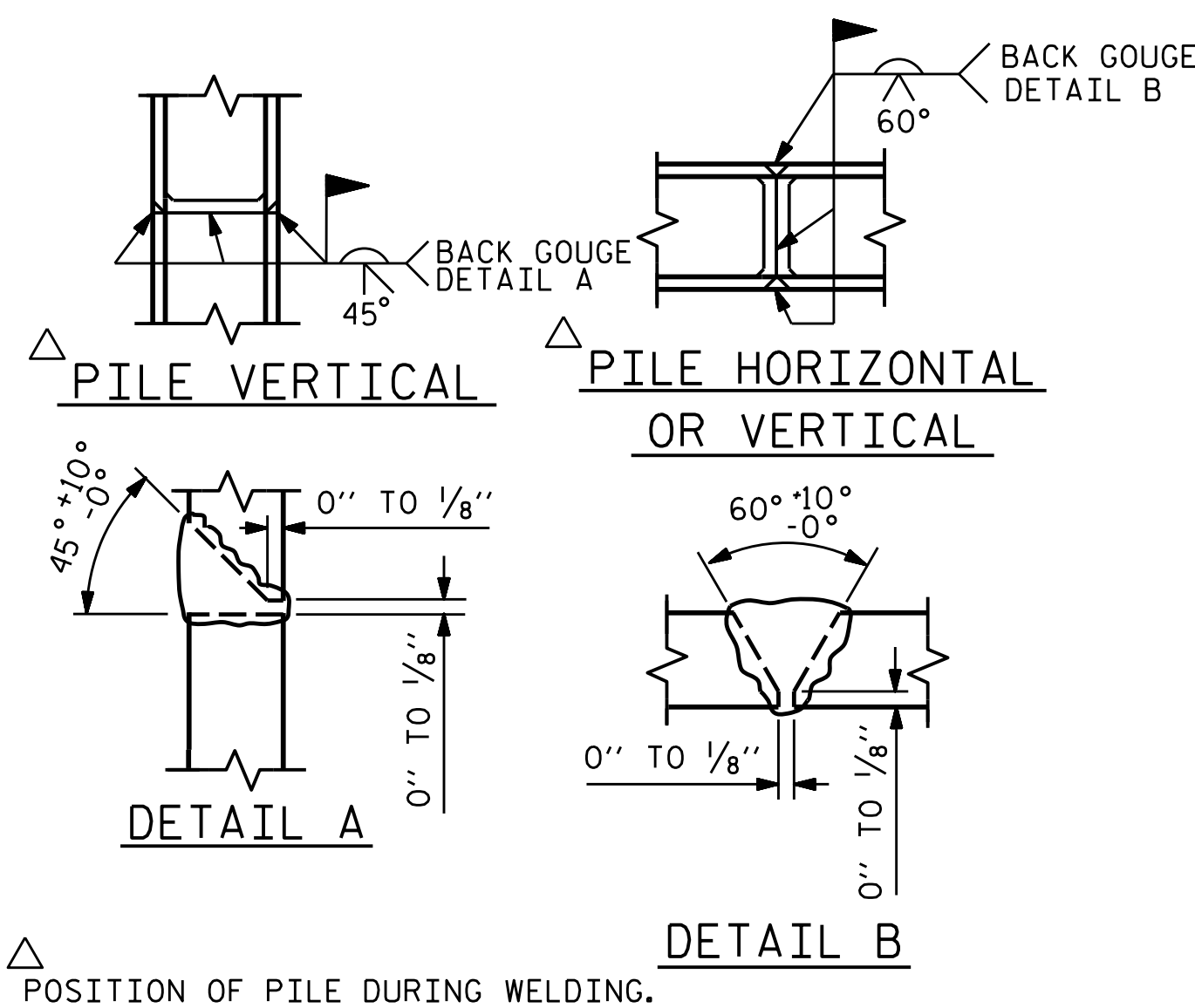


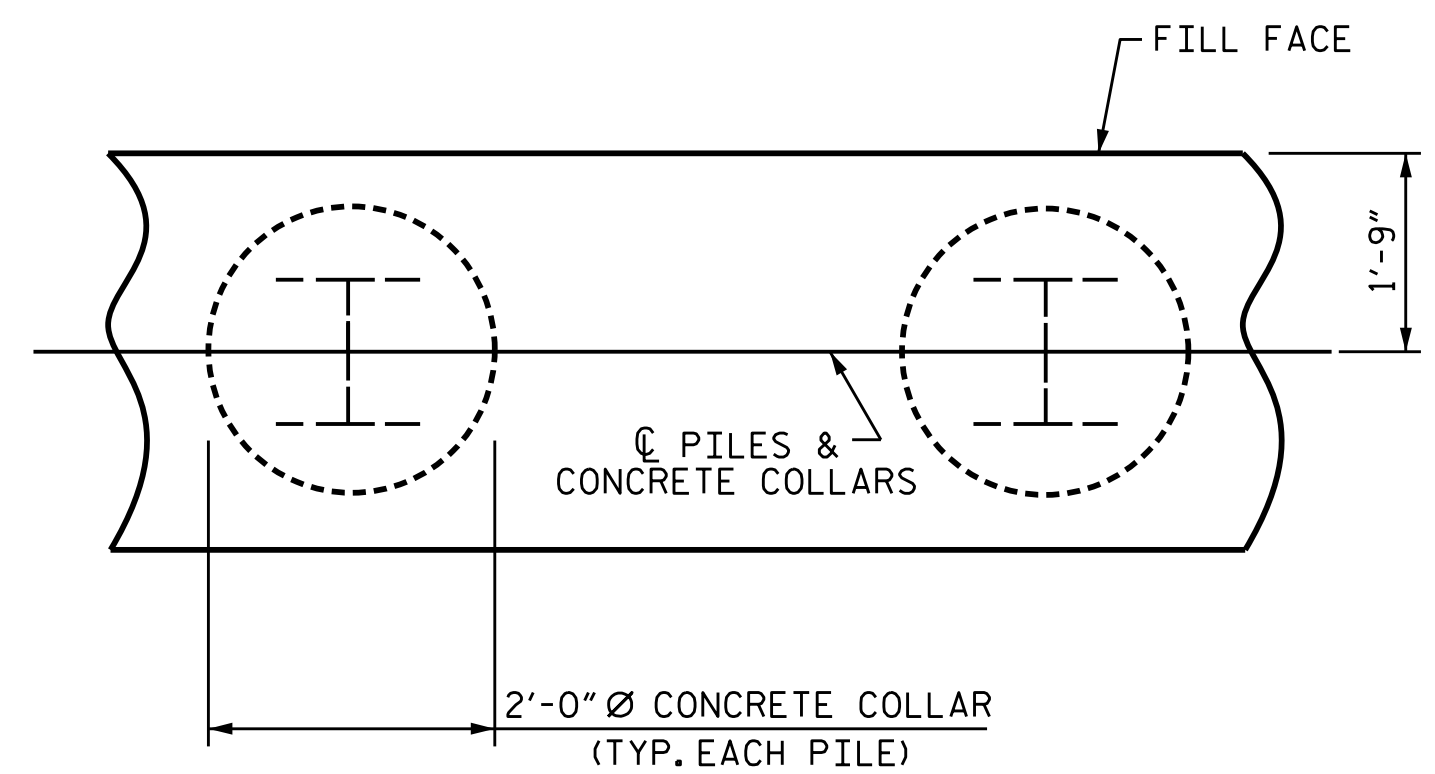
SECTION A-A



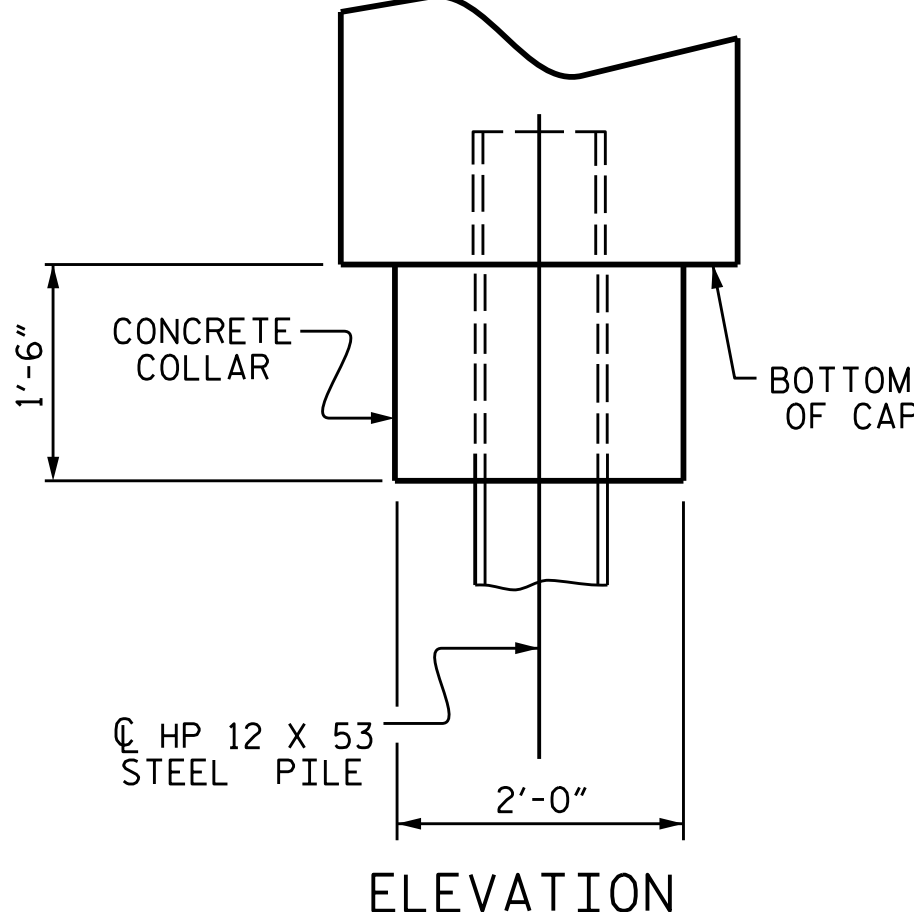
PARTIAL SECTION B-B



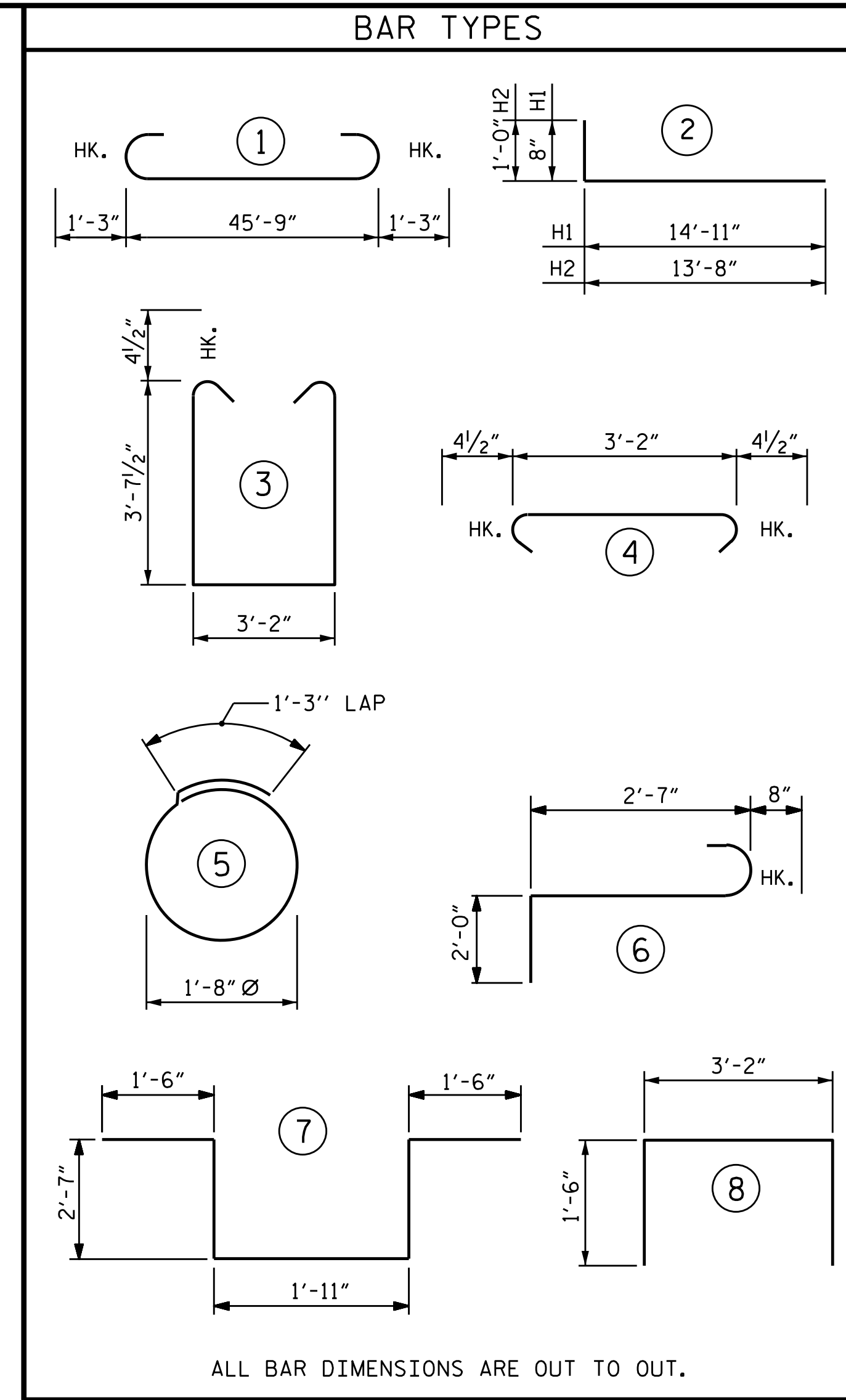
PILE SPLICE DETAILS



PLAN



ELEVATION

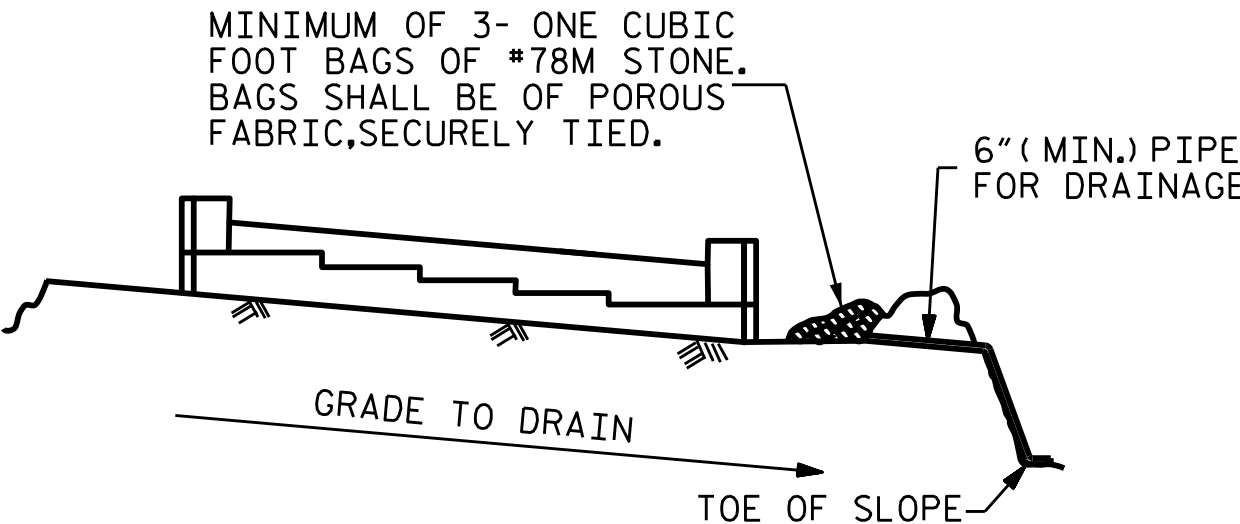


ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	48'-3"	1312
B2	6	#4	STR	45'-11"	287
B3	11	#4	STR	3'-2"	23
B4	4	#4	STR	19'-4"	52
B5	8	#4	STR	24'-2"	129
H1	24	#4	2	15'-7"	250
H2	42	#6	2	14'-8"	925
K1	40	#4	STR	3'-6"	94
S1	54	#4	3	11'-2"	403
S2	54	#4	4	3'-11"	141
S3	24	#4	5	6'-6"	104
S4	3	#6	6	5'-3"	24
S5	3	#6	7	10'-1"	45
U1	13	#4	8	6'-2"	54
V1	66	#4	STR	6'-6"	287
V2	40	#5	STR	11'-1"	462
V3	36	#5	STR	10'-5"	391

REINFORCING STEEL = 4983 LBS.
 CLASS AA CONCRETE
 POUR #1 (CAP, CON. COLLARS, & LOWER PART OF WINGS) = 31.7 C.Y.
 POUR #2 (UPPER PART OF WINGS) = 8.7 C.Y.
 TOTAL = 40.4 C.Y.

HP 12 X 53 STEEL PILES
 No. 7 _____ LIN FT. 245
 PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES _____ 7 EA.



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.

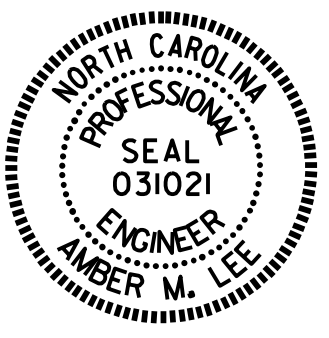
TEMPORARY DRAINAGE AT END BENT

PROJECT NO. BR-0048
 SURRY COUNTY
 STATION: 18+50.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 INTEGRAL
 END BENT 2



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-30
1			3			TOTAL SHEETS
2			4			33

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: M. G. SHAIKH DATE: 12/2020
 CHECKED BY: K. PURHIT DATE: 02/2021
 DESIGN ENGINEER OF RECORD: J. A. T. DATE: 07/2020