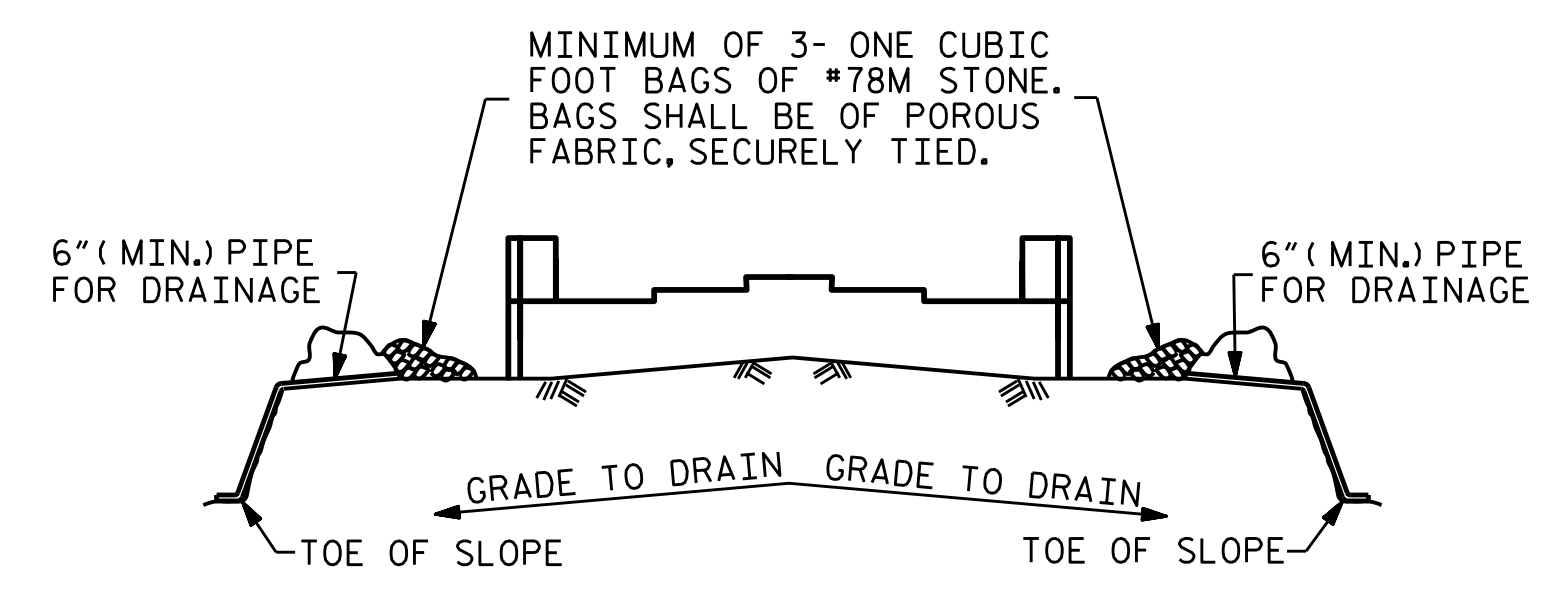


PILE SPLICE DETAILS



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

6" (MIN.) PIPE FOR DRAINAGE

6" (MIN.) PIPE FOR DRAINAGE

GRADE TO DRAIN GRADE TO DRAIN

TOE OF SLOPE

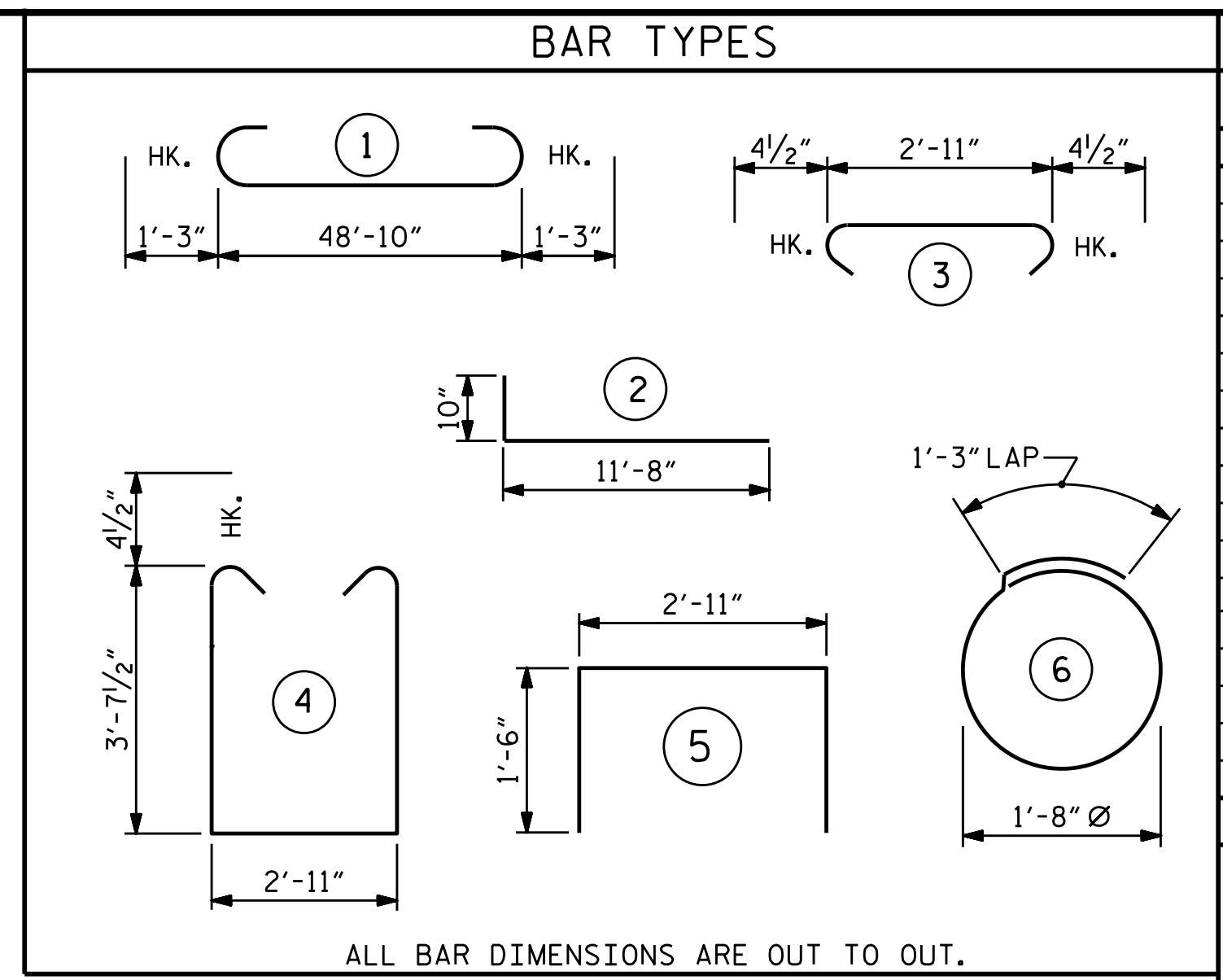
TOE OF SLOPE

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.

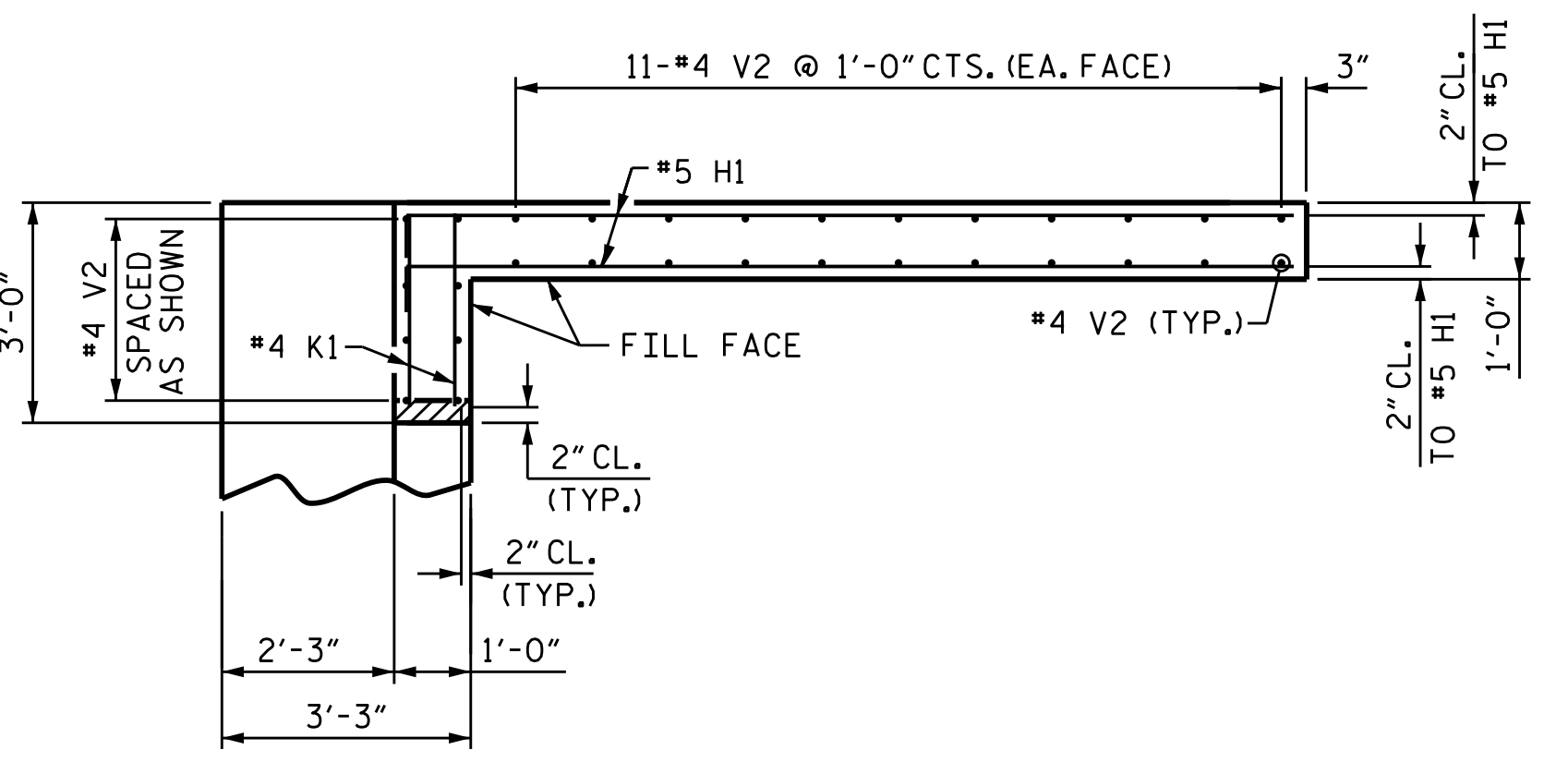
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

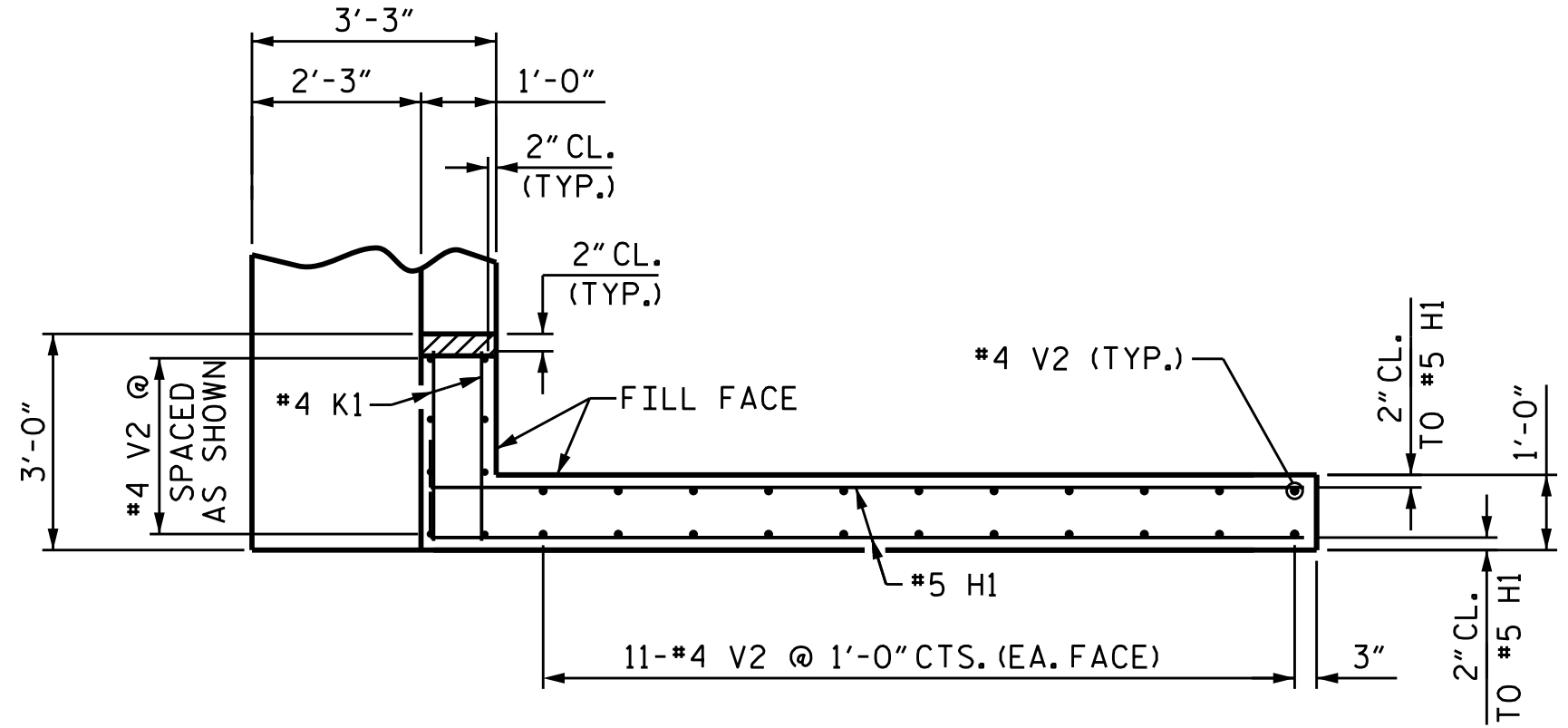


ALL BAR DIMENSIONS ARE OUT TO OUT.

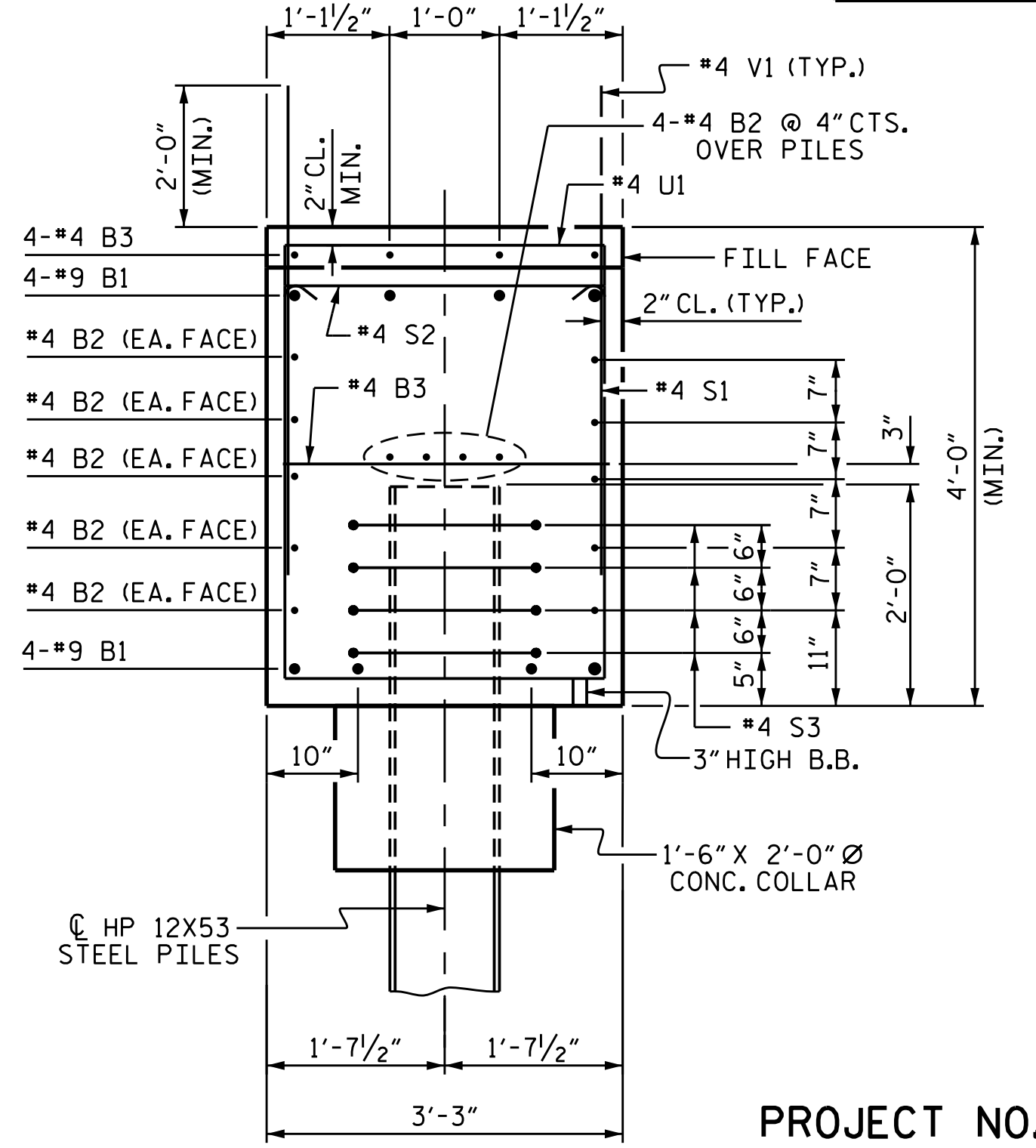
BILL OF MATERIAL					
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	51'-4"	1,396
B2	28	#4	STR	25'-9"	482
B3	17	#4	STR	2'-11"	33
H1	72	#5	2	12'-63"	939
K1	24	#4	STR	2'-8"	43
S1	49	#4	4	10'-11"	357
S2	49	#4	3	3'-8"	120
S3	32	#4	6	6'-6"	139
U1	2	#4	5	5'-11"	8
V1	76	#4	STR	6'-3"	317
V2	60	#4	STR	8'-10"	354
REINFORCING STEEL				LBS.	4,188
CLASS A CONCRETE					
POUR #1 (CAP, LOWER WINGS, & COLLARS)				C.Y.	29.0
POUR #2 (UPPER PART OF WINGS)				C.Y.	5.4
TOTAL CLASS A CONCRETE				C.Y.	34.4
HP 12X53 STEEL PILES				LIN. FT.	120
NO. 8					
STEEL PILE POINTS				EACH	8



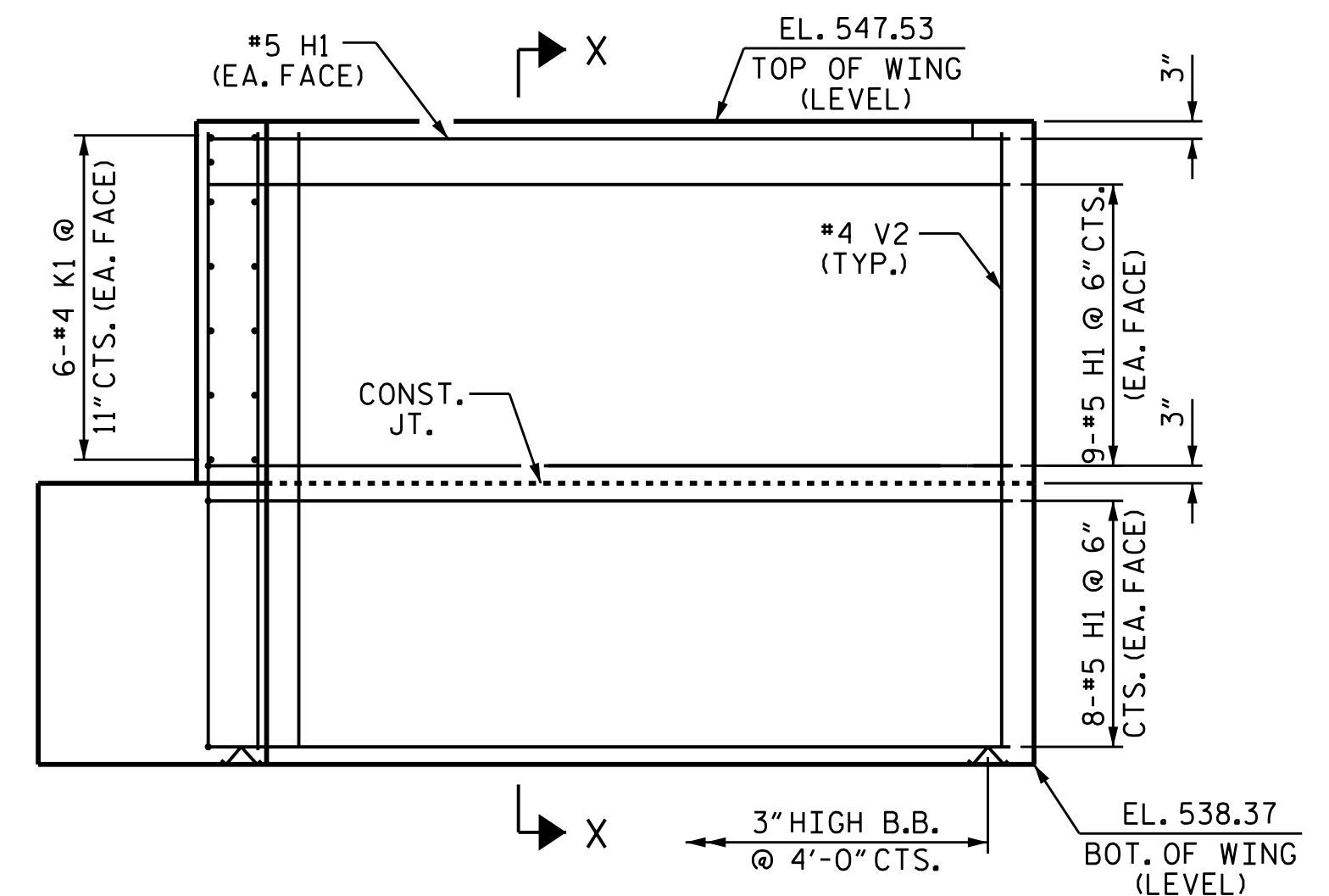
PLAN OF LEFT WING



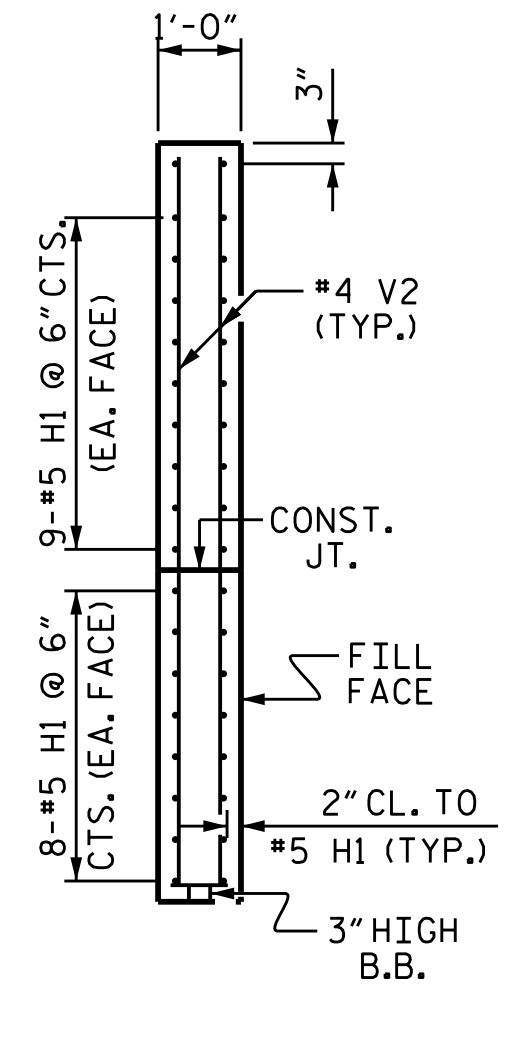
PLAN OF RIGHT WING



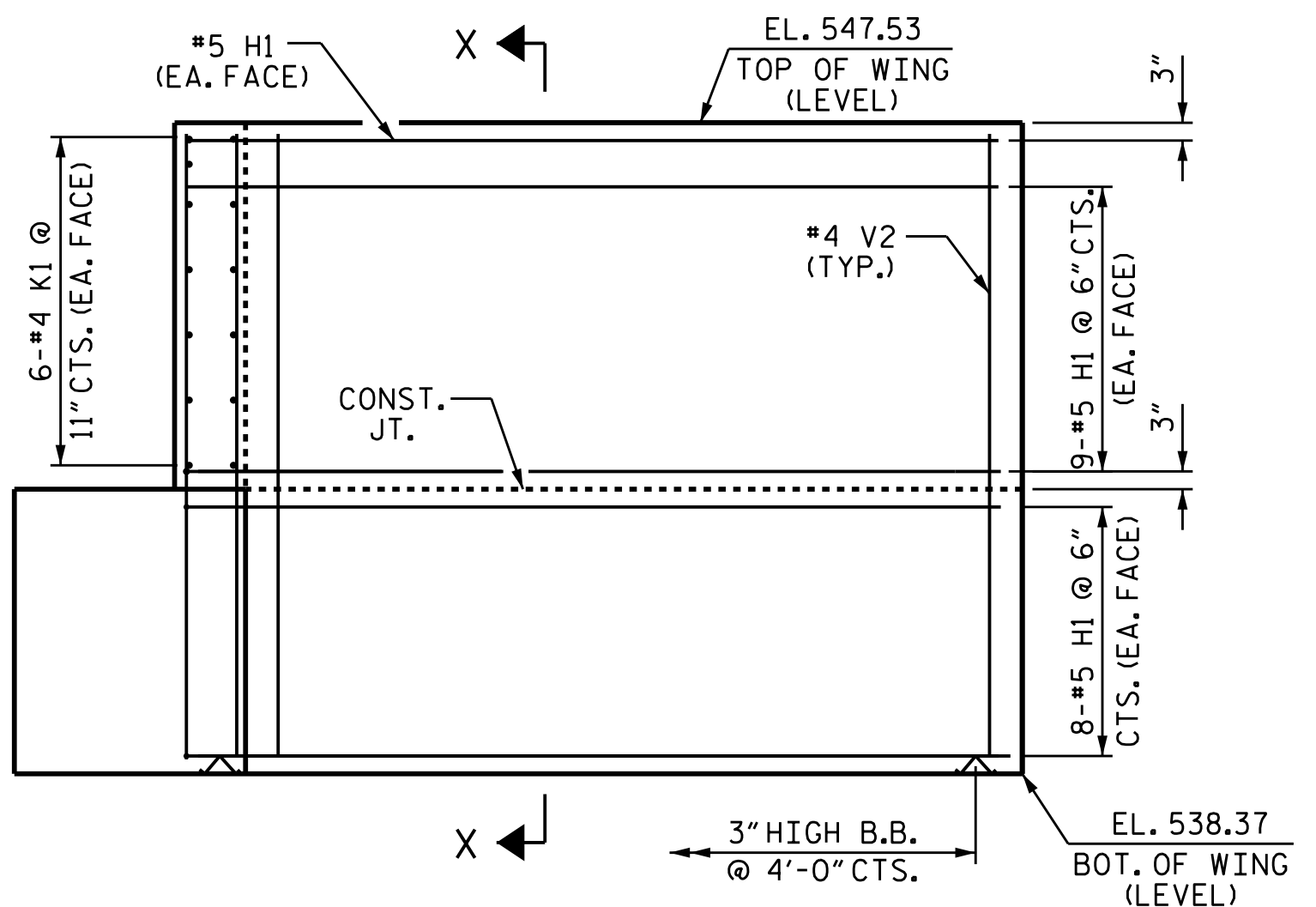
SECTION A-A



ELEVATION OF LEFT WING



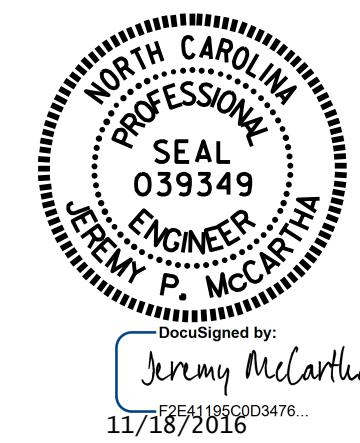
SECTION X-X



ELEVATION OF RIGHT WING

PROJECT NO. B-5548
 CABARRUS COUNTY
 STATION: 29+55.00 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 INTEGRAL
 END BENT 2

DRAWN BY: N. D'AIUTO DATE: 4/12/16
 CHECKED BY: J.K. BOWLES DATE: 4/29/16
 DESIGN ENGINEER OF RECORD: N. D'AIUTO DATE: 3/1/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-28
1			3			TOTAL SHEETS
2			4			30