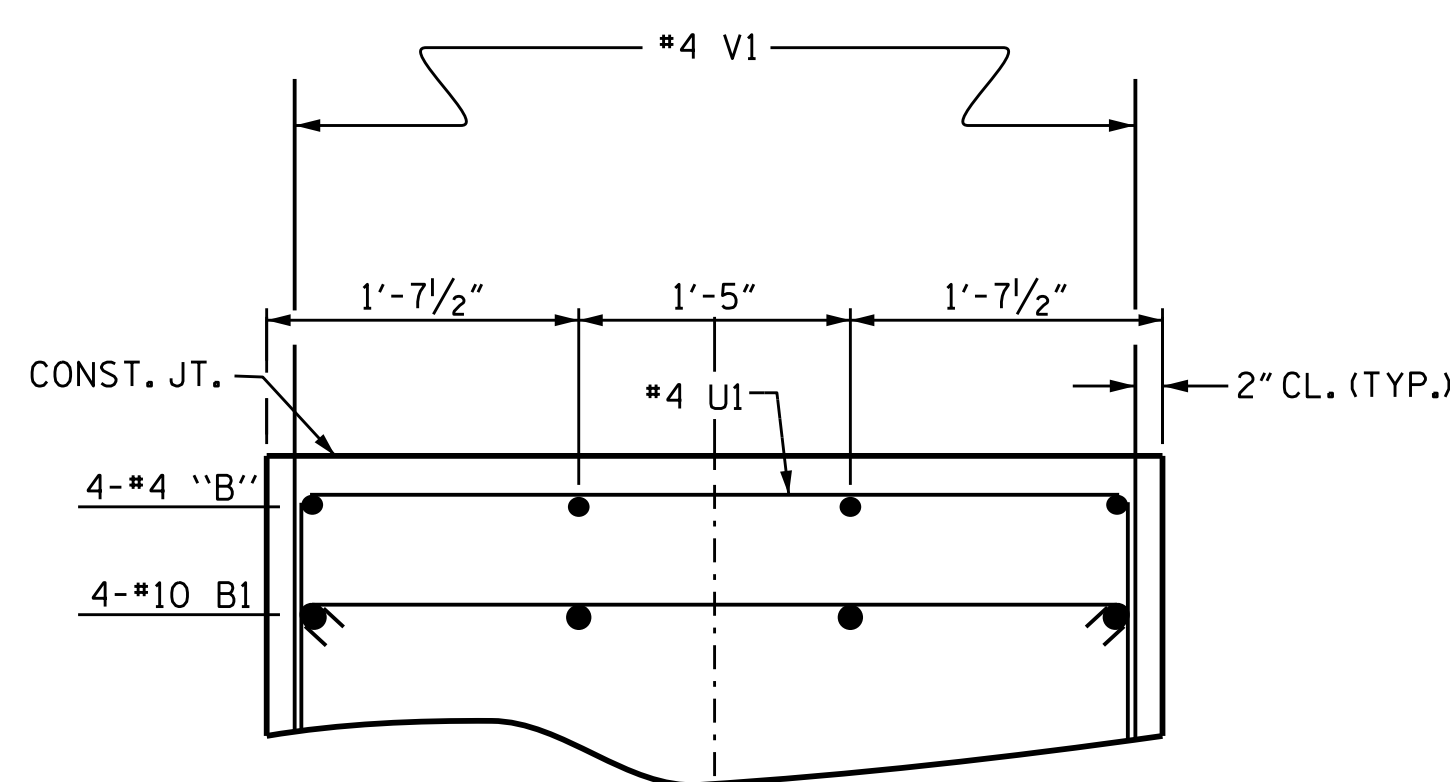
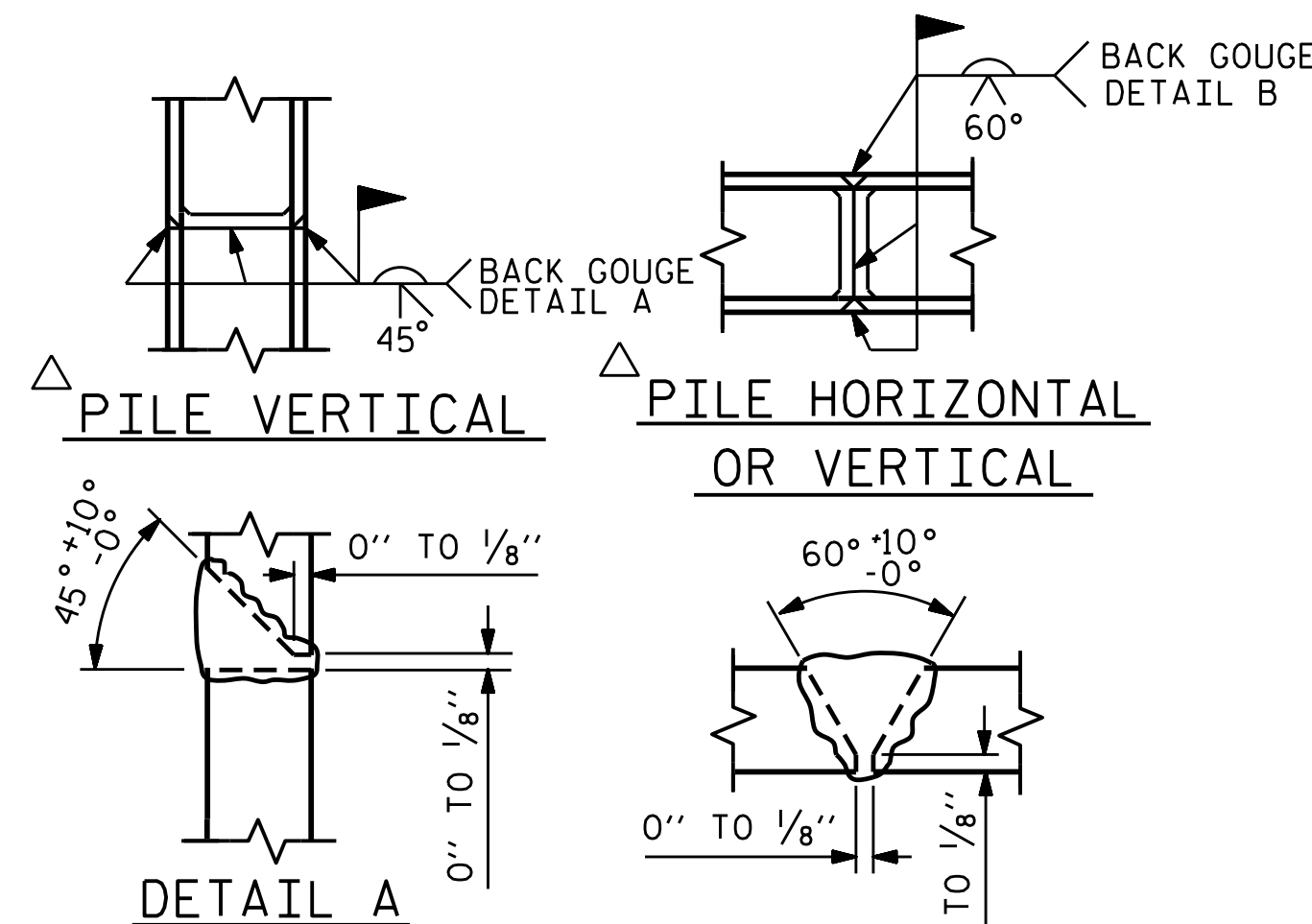


SECTION A-A

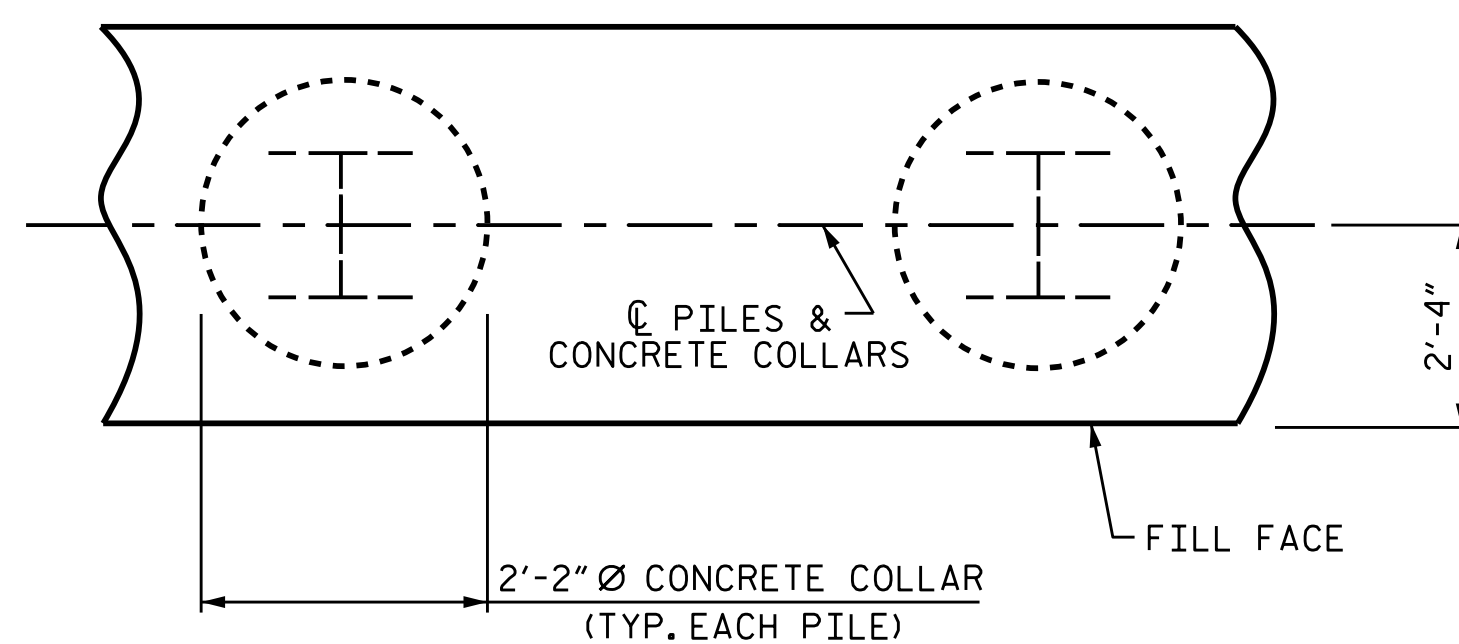


PARTIAL SECTION B-B

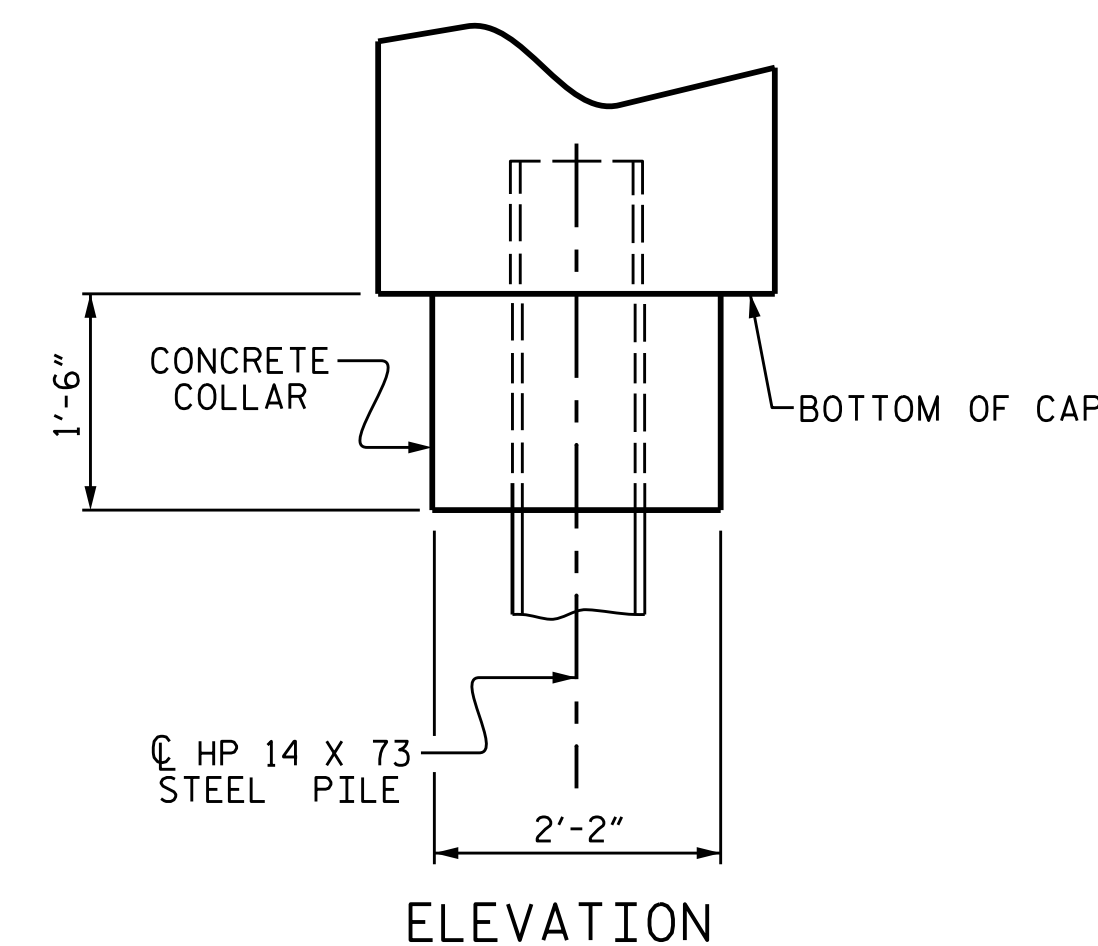


POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS



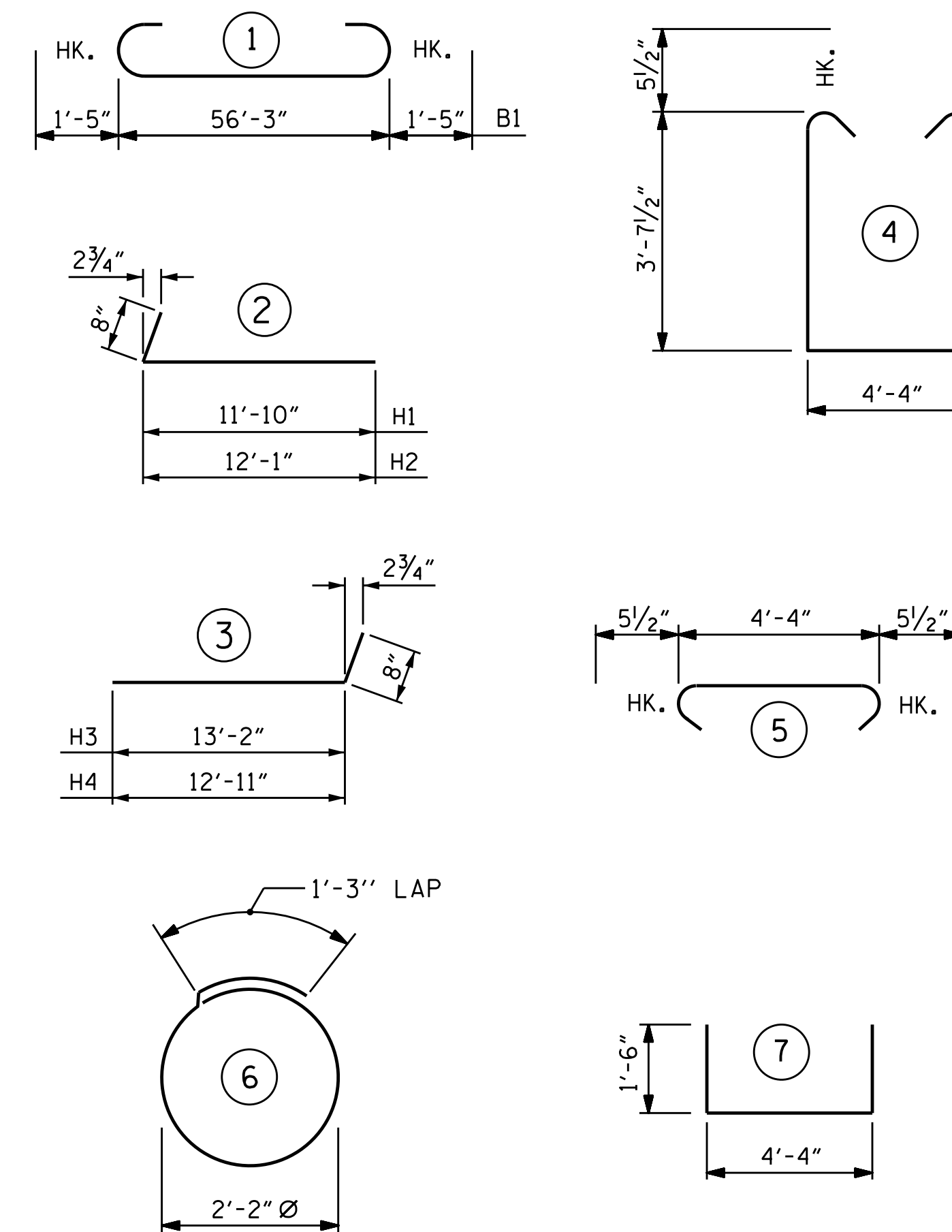
PLAN



ELEVATION

CORROSION PROTECTION FOR STEEL PILES DETAIL

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#10	1	59'-1"	2034
B2	8	#4	STR	29'-5"	157
B3	6	#5	STR	56'-5"	353
B4	14	#4	STR	4'-2"	39
B5	4	#4	STR	8'-3"	22
B6	16	#4	STR	3'-0"	32
H1	21	#5	2	12'-6"	274
H2	21	#5	2	12'-9"	279
H3	22	#5	3	13'-10"	317
H4	22	#5	3	13'-7"	312
K1	52	#4	STR	3'-9"	130
S1	48	#5	4	12'-6"	626
S2	48	#5	5	5'-3"	263
S3	28	#4	6	8'-1"	151
U1	18	#4	7	7'-4"	88
V1	74	#4	STR	6'-0"	297
V2	34	#5	STR	10'-5"	369
V3	36	#5	STR	10'-10"	407

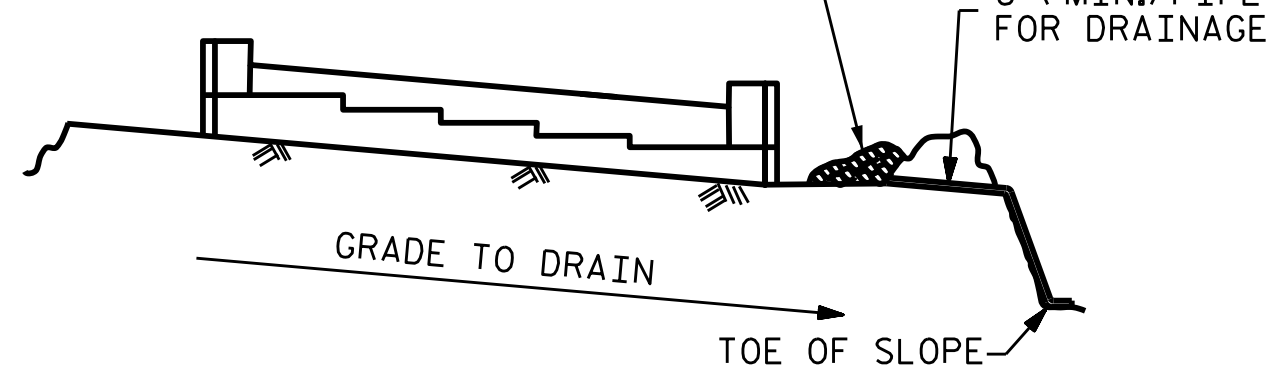
REINFORCING STEEL = 6150 LBS.

CLASS A CONCRETE  
 POUR #1 (CAP, CON. COLLARS, & LOWER PART OF WINGS) = 46.8 C.Y.  
 POUR #2 (UPPER PART OF WINGS) = 8.5 C.Y.  
 TOTAL = 55.3 C.Y.

HP 14 X 73 STEEL PILES  
 No. 7 \_\_\_\_\_ LIN FT. 210

PILE DRIVING EQUIPMENT SETUP FOR  
 HP 14 X 73 STEEL PILES \_\_\_\_\_ NO.: 7

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



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.

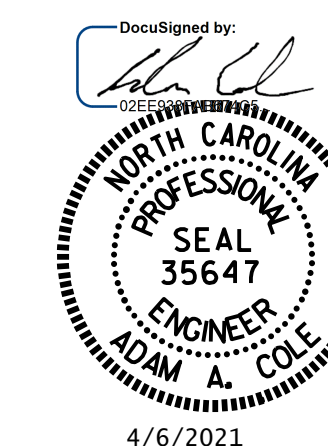
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

DRAWN BY : M. G. SHAIKH DATE : 09/2019  
 CHECKED BY : H. LOCKLEAR DATE : 09/2019  
 DESIGN ENGINEER OF RECORD: H. LOCKLEAR DATE : 08/2019

06-APR-2021 13:00 R:\Structures\Final Plans\400.043.B5813.SMU.EI.0021.120132.dgn dacciole

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PROJECT NO. B-5813  
 CABARRUS COUNTY  
 STATION: 21+85.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 INTEGRAL  
 END BENT 1

REVISIONS

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

SHEET NO. S-21  
 TOTAL SHEETS 29