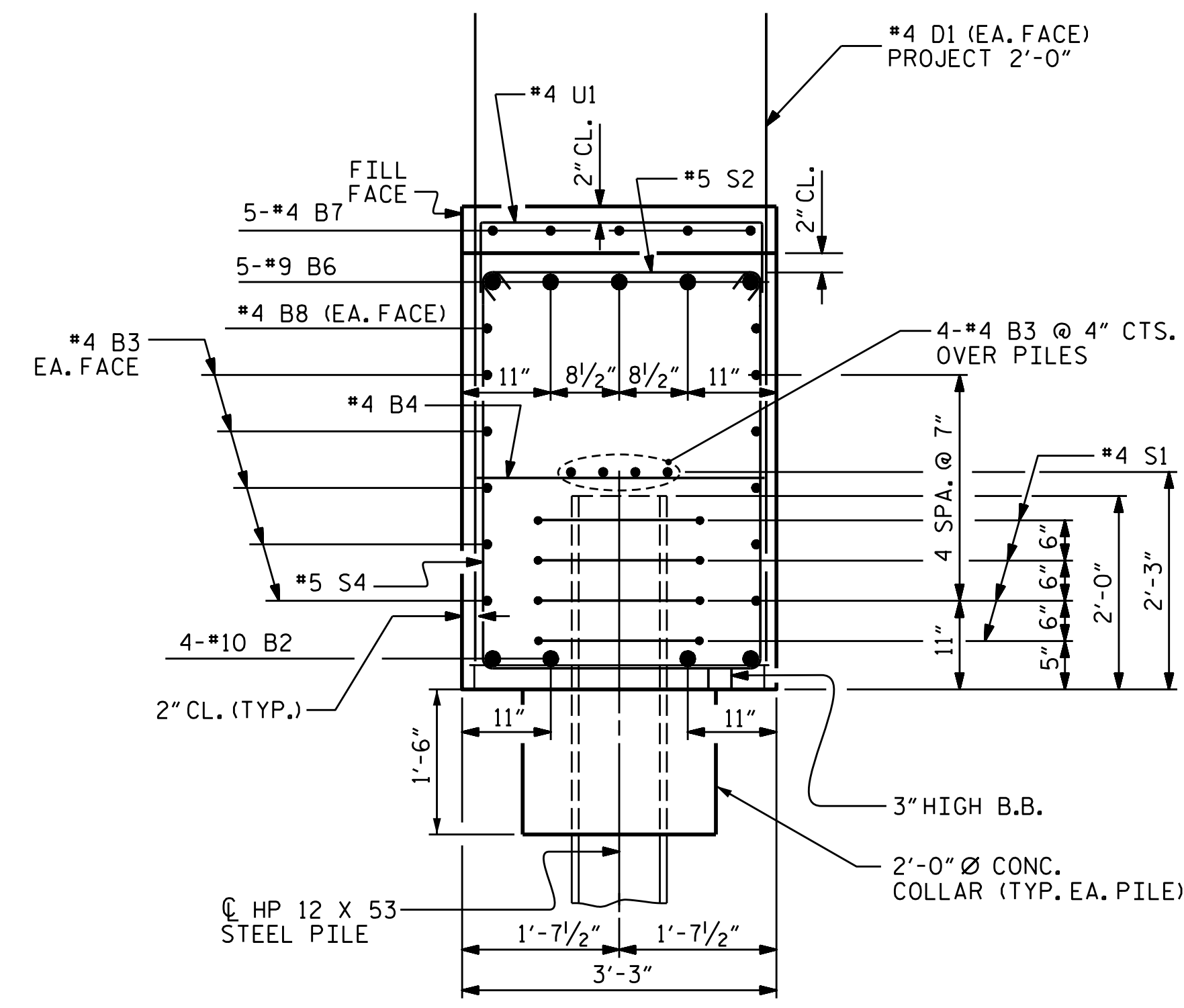
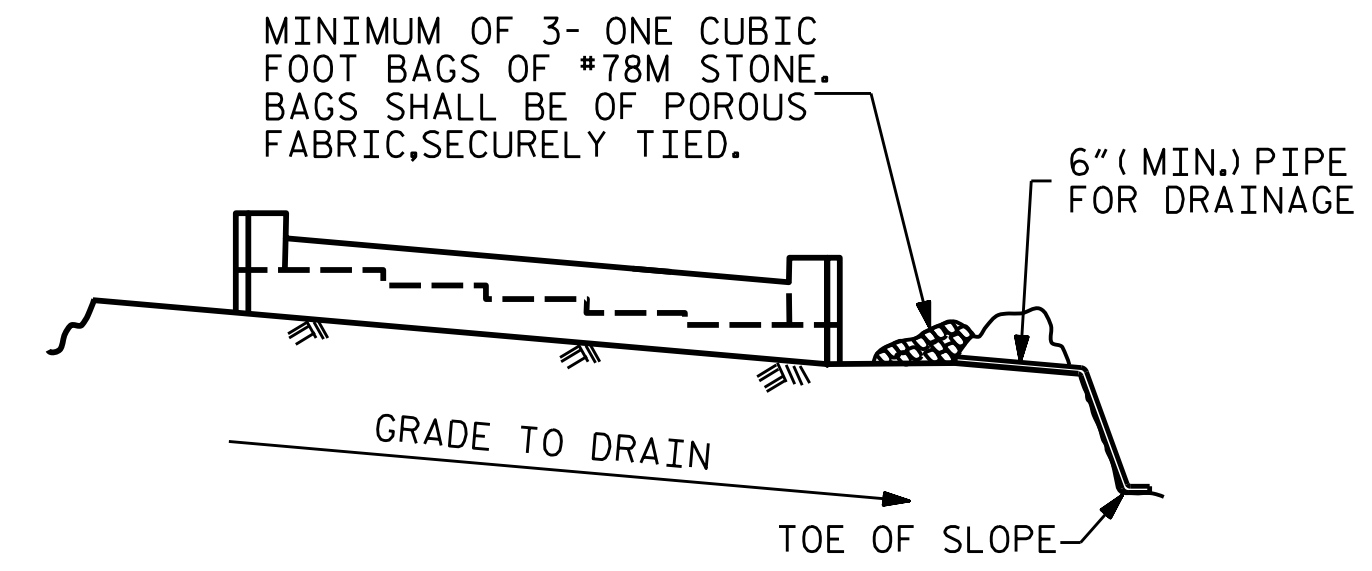


SECTION A-A



SECTION B-B



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

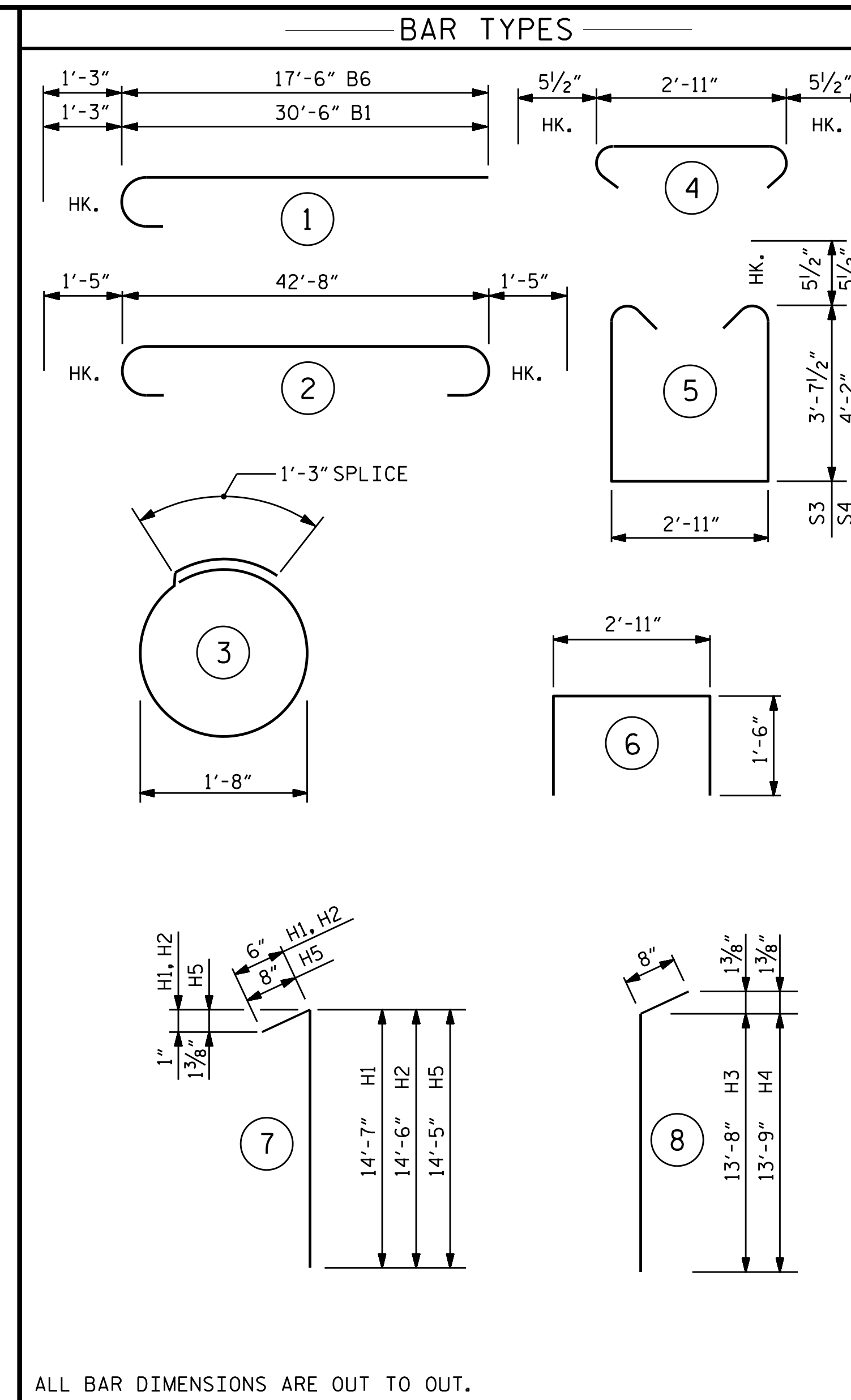
TOE OF SLOPE

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



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT 2

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	5	9	1	31'-9"	540
B2	4	10	2	45'-6"	783
B3	28	4	STR.	22'-8"	424
B4	12	4	STR.	2'-11"	23
B5	5	4	STR.	11'-0"	37
B6	5	9	1	19'-0"	323
B7	5	4	STR.	7'-11"	26
B8	2	4	STR.	14'-8"	20
D1	56	4	STR.	5'-10"	218
H1	22	5	7	15'-1"	346
H2	12	5	7	15'-0"	188
H3	20	6	8	14'-4"	431
H4	20	6	8	14'-5"	433
H5	10	6	7	15'-1"	227
K1	24	4	STR.	2'-8"	43
S1	24	4	3	6'-6"	104
S2	35	5	4	3'-10"	140
S3	21	5	5	11'-1"	243
S4	14	5	5	12'-2"	178
U1	13	4	6	5'-11"	51
V1	36	5	STR.	10'-6"	394
V2	34	4	STR.	9'-7"	218
V3	14	4	STR.	4'-6"	42

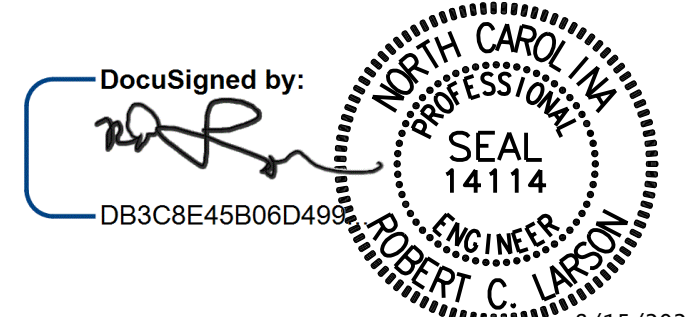
REINFORCING STEEL, LBS.	5432
CLASS A CONCRETE, CY	
POUR 1 (CAP, LOWER PORTION OF WINGS AND COLLARS)	29.3
POUR 2 (UPPER PORTION OF WINGS)	7.3
TOTAL	36.6
HP 12X53 STEEL PILES	NO. 6
	L.F. 330
PILE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES, EA.	6
PILE REDRIVES, EA.	3

PROJECT NO. R-2561CA
COLUMBUS COUNTY
 STATION: 16+93.00 -Y-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUBSTRUCTURE
 END BENT 2**



DESIGN ENGINEER OF RECORD	DATE: 8/15/2022
DRAWN BY: A. K. ALLANKI	DATE: 07/06/20
CHECKED BY: R. C. LARSON	DATE: 07/07/20

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



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

SHEET NO.	S2-21
TOTAL SHEETS	24

\$FILEL\$ \$DATES\$ \$TIME\$ \$USER\$ \$PENTBL\$ \$PLTDRVS\$
 KCI PROJECT NO. 241704391.04