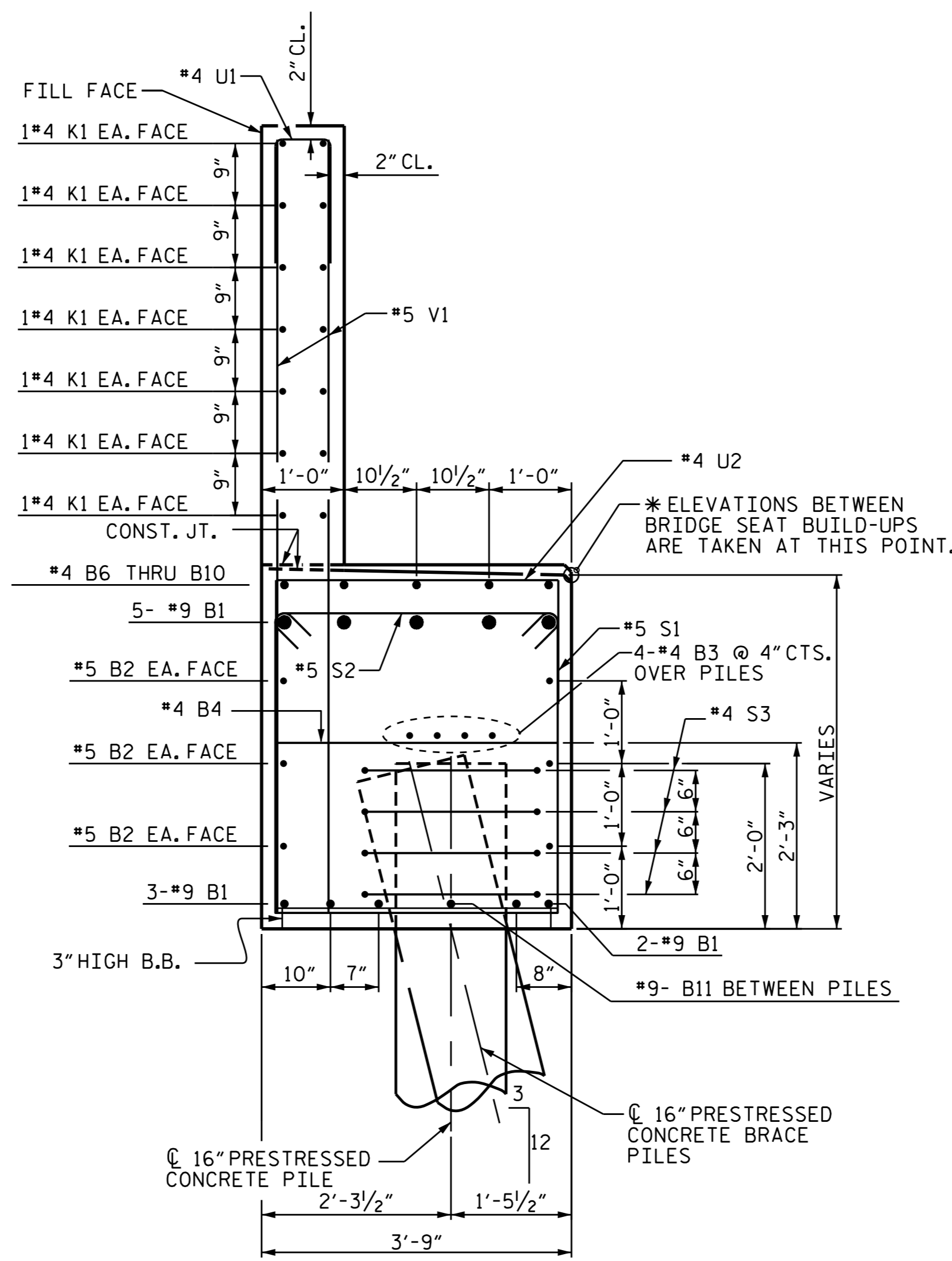
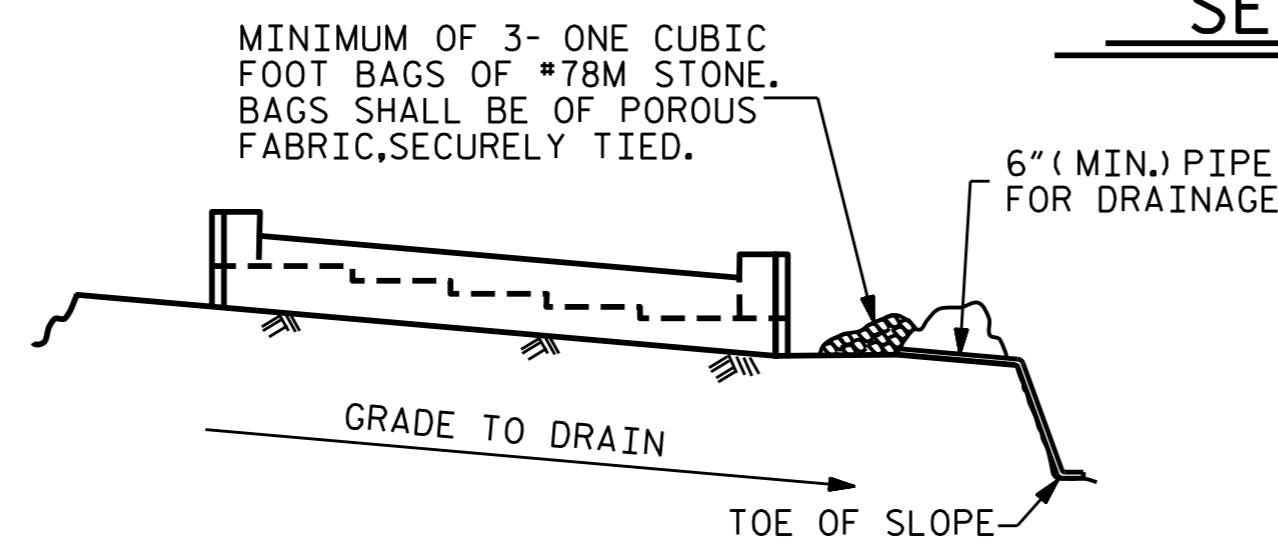


SECTION A-A



SECTION B-B

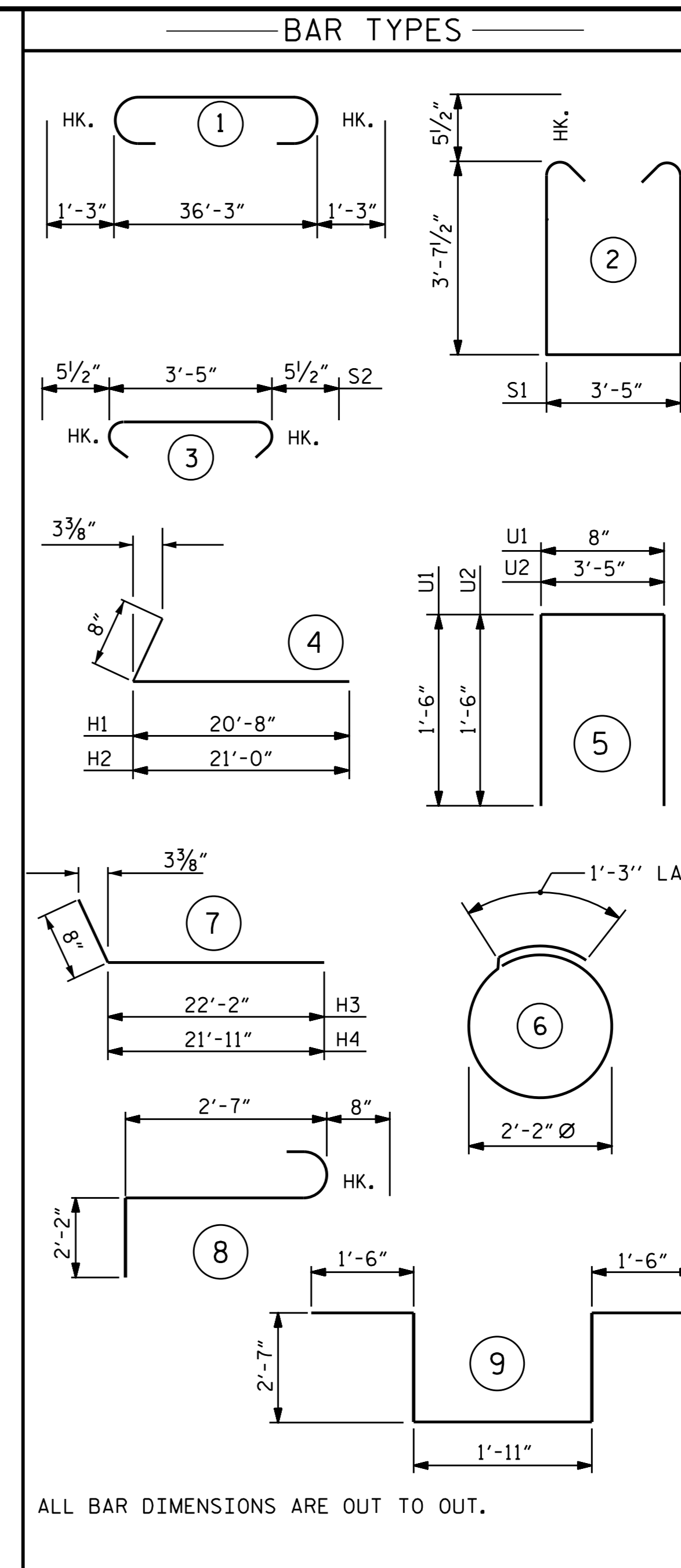


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



BILL OF MATERIAL						
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	10	#9	1	38'-9"	1318	
B2	6	#5	STR	36'-4"	227	
B3	8	#4	STR	19'-5"	104	
B4	9	#4	STR	3'-5"	21	
B5	5	#4	STR	12'-8"	42	
B6	1	#4	STR	8'-1"	5	
B7	1	#4	STR	8'-3"	6	
B8	1	#4	STR	9'-0"	6	
B9	1	#4	STR	9'-3"	6	
B10	1	#4	STR	9'-7"	6	
B11	5	#9	STR	4'-11"	84	
H1	15	#4	4	21'-4"	214	
H2	15	#4	4	21'-8"	217	
H3	14	#4	7	22'-10"	214	
H4	14	#4	7	22'-7"	211	
K1	28	#5	STR	19'-5"	567	
K2	8	#4	STR	2'-11"	16	
S1	32	#5	2	11'-7"	387	
S2	32	#5	3	4'-4"	145	
S3	24	#4	6	8'-1"	130	
S4	6	#6	8	5'-5"	49	
S5	2	#6	9	10'-1"	30	
U1	31	#4	5	3'-8"	76	
U2	16	#4	5	6'-5"	69	
V1	62	#5	STR	8'-11"	576	
V2	48	#5	STR	11'-2"	559	
V3	52	#5	STR	10'-11"	592	

REINFORCING STEEL	5877 LBS.
CLASS A CONCRETE BREAKDOWN	
POUR #1 CAP, WING BRACE & LOWER PART OF WINGS	31.9 CU. YDS.
POUR #2 BACKWALL & UPPER PART OF WINGS	18.8 CU. YDS.
TOTAL CLASS A CONCRETE	50.7 CU. YDS.
16" PRESTRESSED CONCRETE PILES NO. 6	360 LIN. FT.
12" PRESTRESSED CONCRETE PILES NO. 2	120 LIN. FT.
PILE REDRIVES	3 EACH

▲-CONCRETE DISPLACED BY THE 16" P/S CONCRETE PILES HAS BEEN DEDUCTED FROM THE CONCRETE QUANTITY.

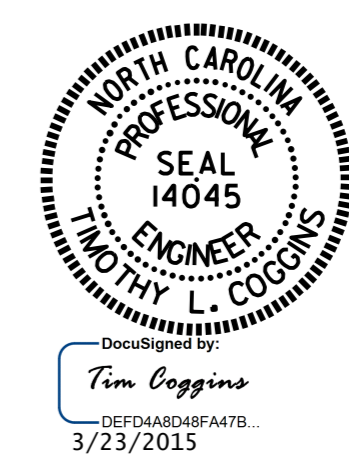
PROJECT NO. R-2514D
 JONES & CRAVEN COUNTY
 STATION: 19+43.00 -Y1ORPA-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT NO.1

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S17-021	
1			3			TOTAL SHEETS	
2			4			32	



DRAWN BY: GHOLAMREZA KOUCHEKI DATE: 9/23/14
 CHECKED BY: M.D. PISO DATE: 10/22/14
 DESIGN ENGINEER OF RECORD: NEIL RUFFIN DATE: 1/29/15