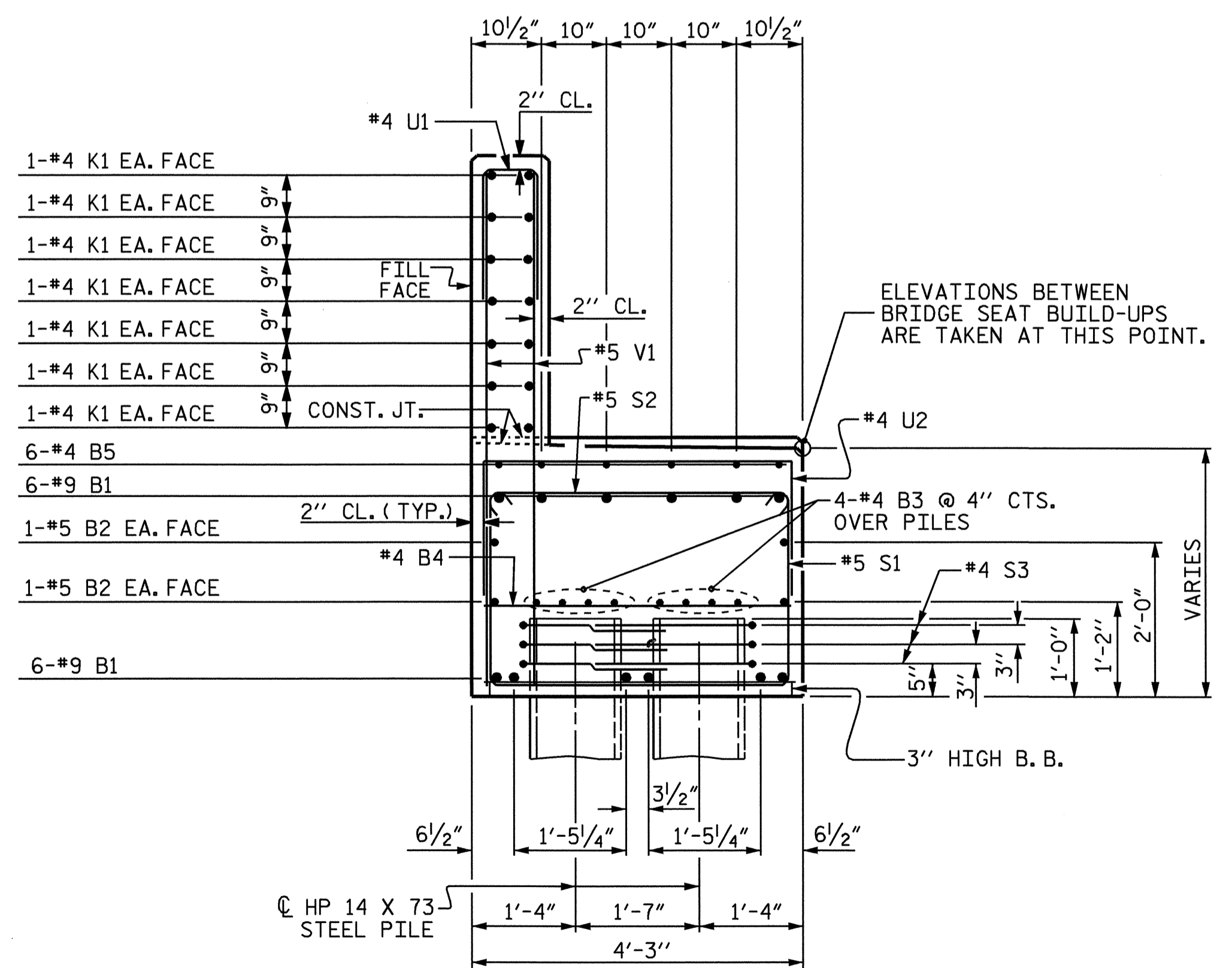
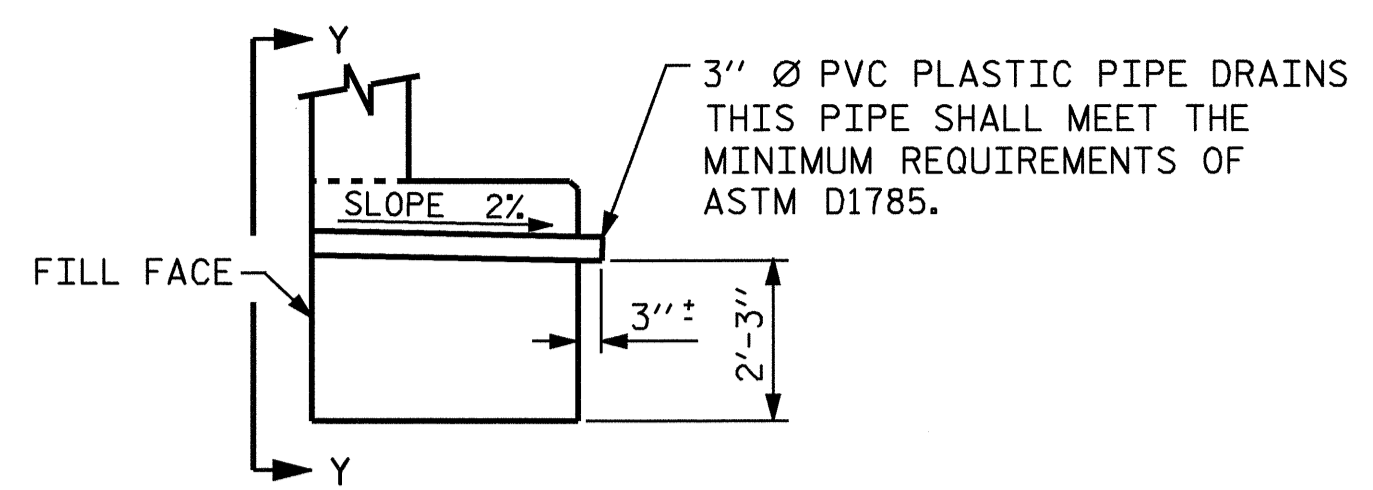


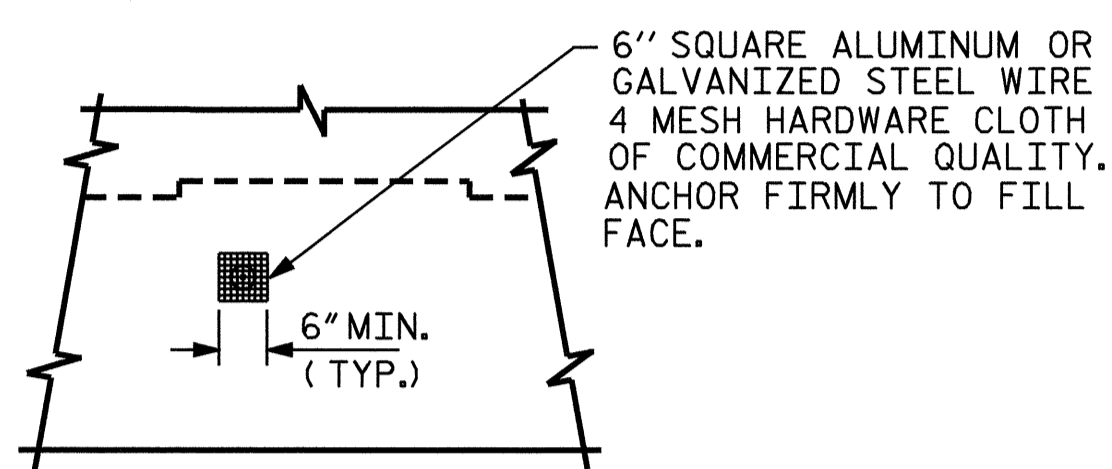
SECTION A-A



SECTION B-B



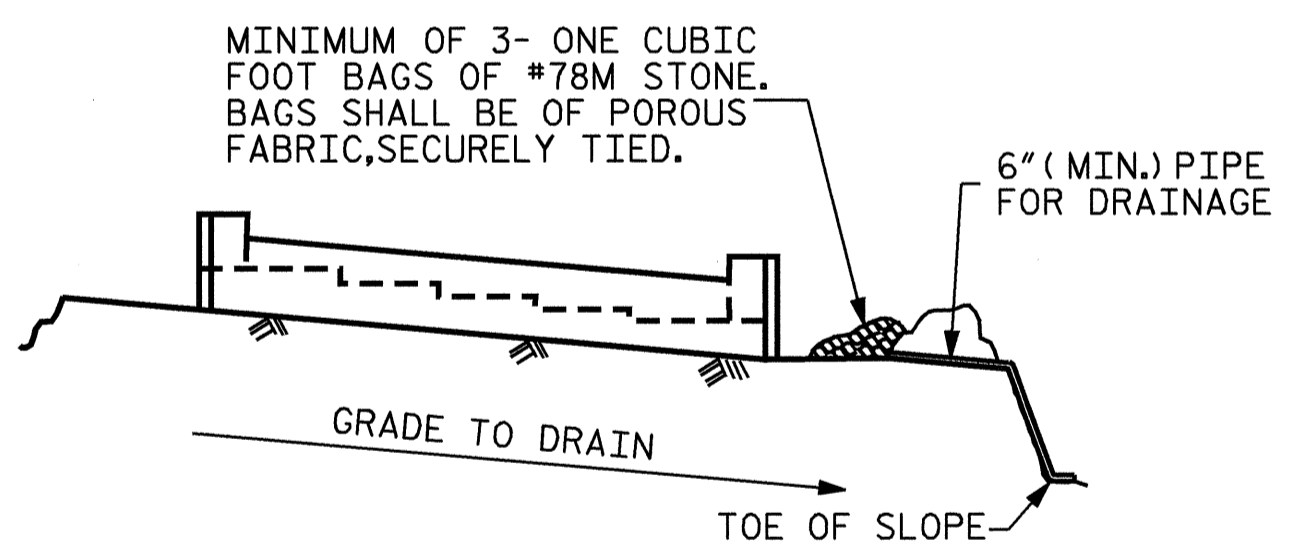
SECTION THRU CAP



VIEW Y-Y

NOTE: NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING AND INSTALLING THE PVC PLASTIC PIPE DRAINS, HARDWARE CLOTH AND FASTENERS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

PIPE DRAIN DETAILS

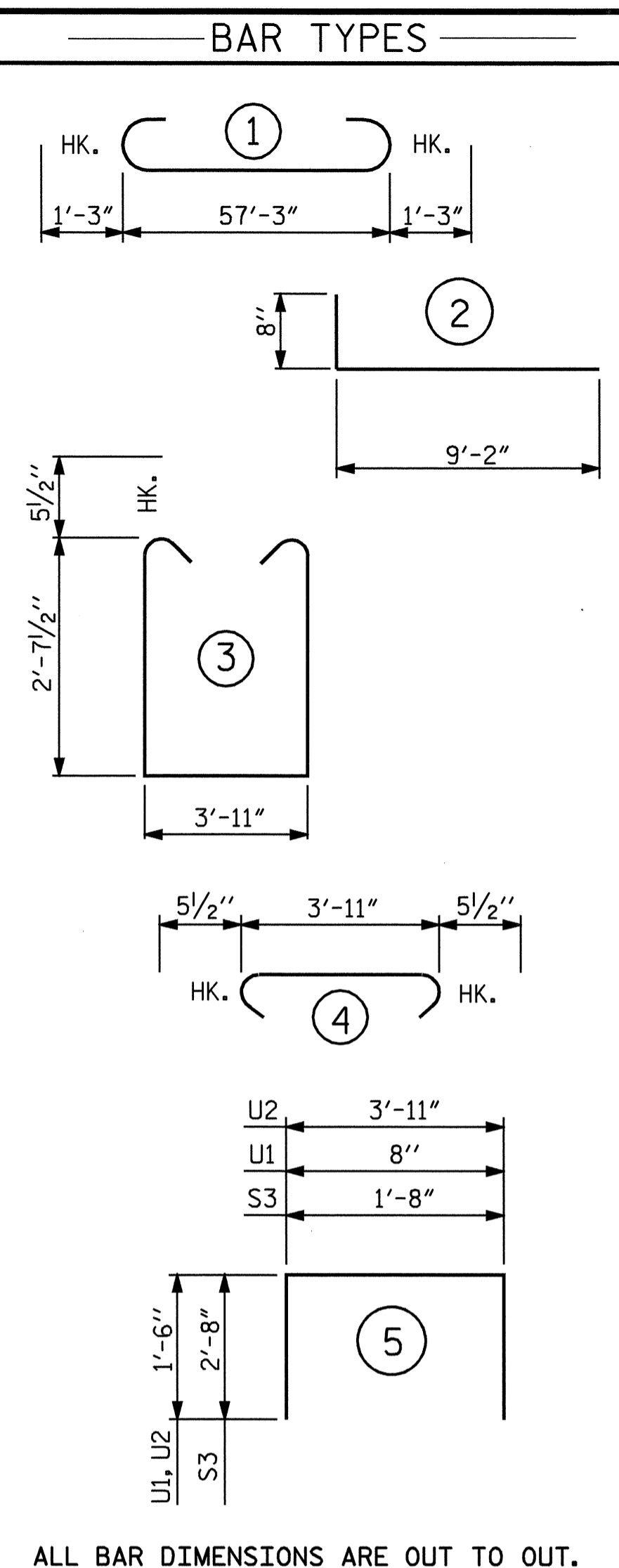


TEMPORARY DRAINAGE AT END BENT

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.



BILL OF MATERIAL					
END BENT #1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	12	9	1	59'-9"	2438
B2	4	5	STR	57'-5"	240
B3	16	4	STR	30'-0"	321
B4	15	4	STR	3'-11"	39
B5	30	4	STR	4'-6"	90
B6	6	4	STR	7'-10"	31
H1	26	5	2	9'-10"	267
K1	28	4	STR	30'-0"	561
K2	4	5	STR	2'-9"	11
S1	63	5	3	10'-1"	663
S2	63	5	4	4'-10"	318
S3	42	4	5	7'-0"	196
U1	56	4	5	3'-8"	137
U2	26	4	5	6'-11"	120
V1	108	5	STR	8'-2"	920
V2	8	5	STR	8'-11"	74
V3	10	5	STR	9'-1"	95
V4	8	5	STR	9'-3"	77
V5	4	5	STR	9'-7"	40
REINFORCING STEEL				LBS	6638
CLASS "A" CONCRETE BREAKDOWN					
POUR #1					
CAP & LOWER PART OF WING				31.0	YD3
POUR #2					
BACKWALL & UPPER PART OF WING				13.5	YD3
CLASS "A" CONCRETE TOTAL				44.5	YD3
HP 14 x 73 STEEL PILES					
NO. 14		LIN. FT.		560	

ALL BAR DIMENSIONS ARE OUT TO OUT.



PROJECT NO. B-3157
DAVIDSON COUNTY
STATION: 29+25.37 -L-

SHEET 3 OF 3
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
END BENT #1
LEFT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-20
1			3			TOTAL SHEETS
2			4			56