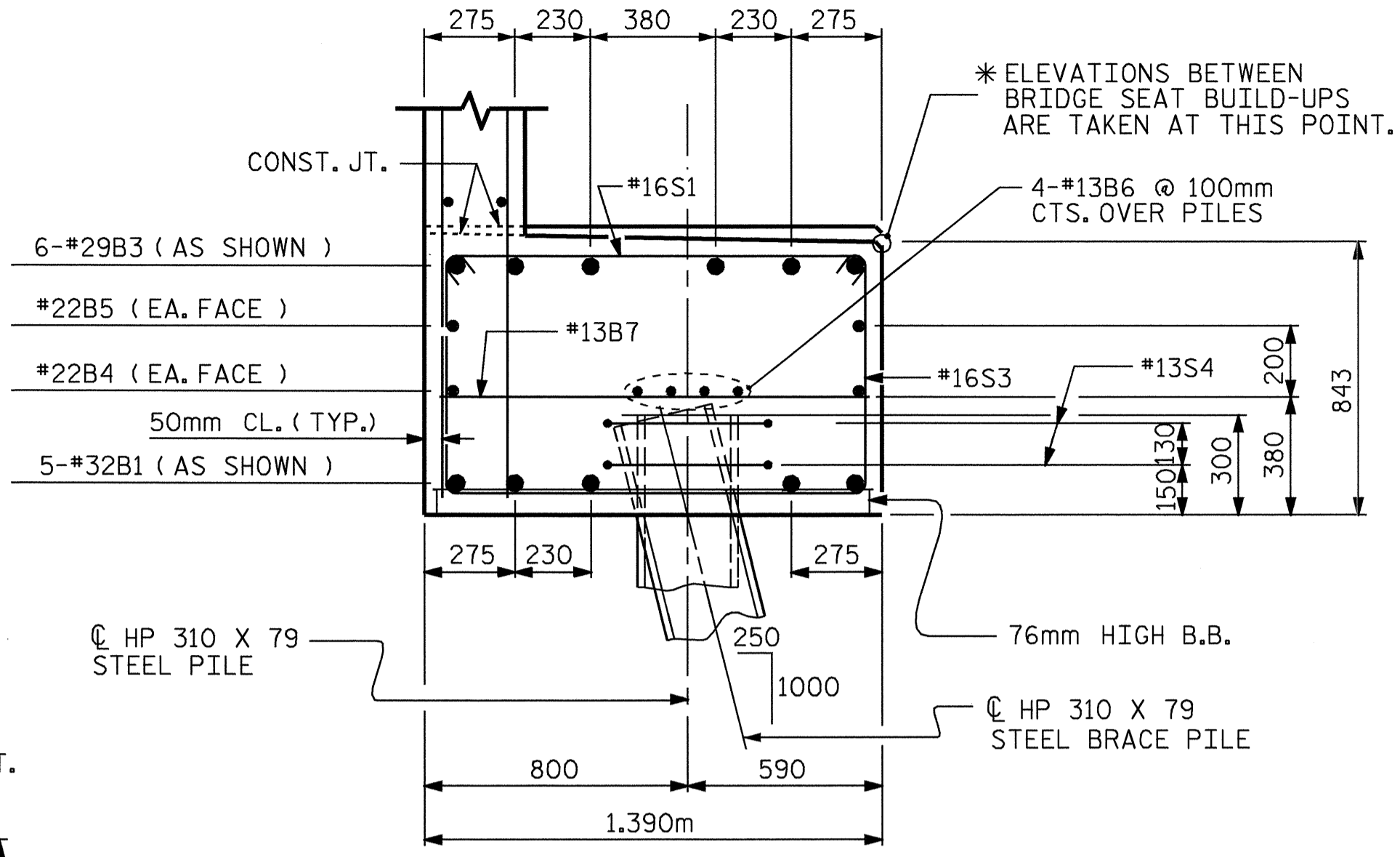
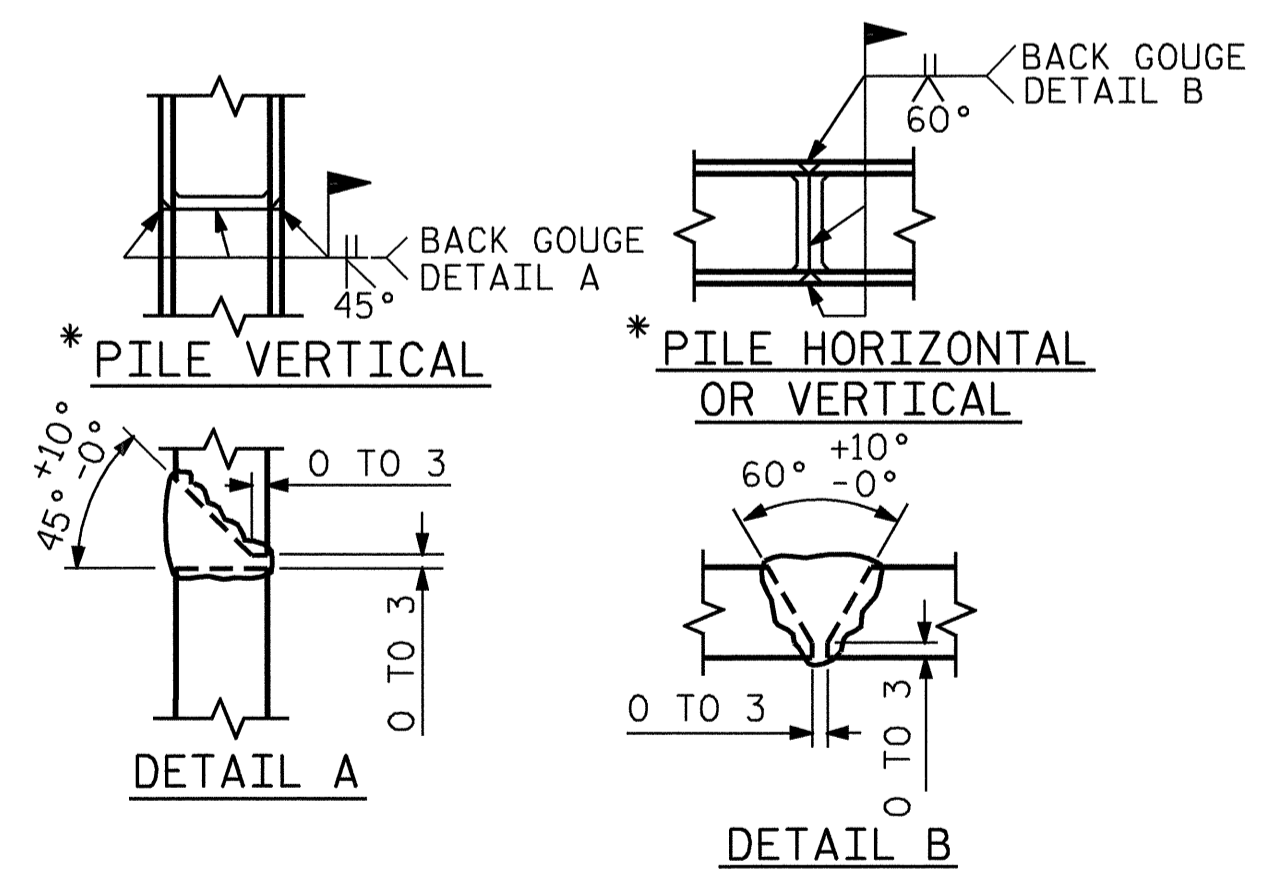


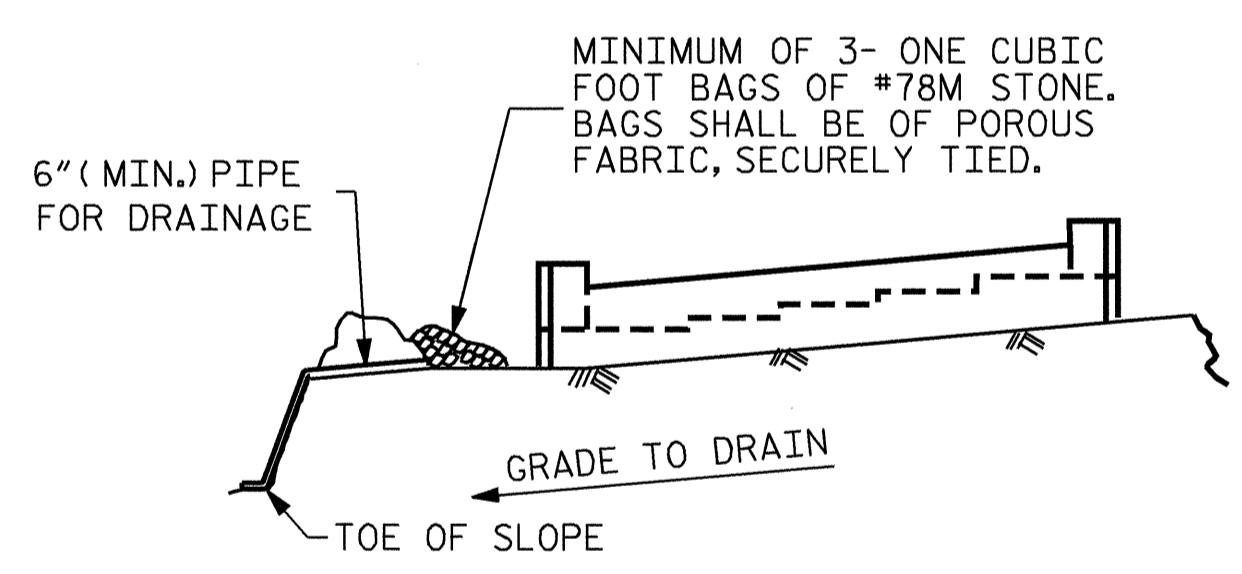
SECTION A-A



SECTION B-B



PILE SPLICE DETAILS



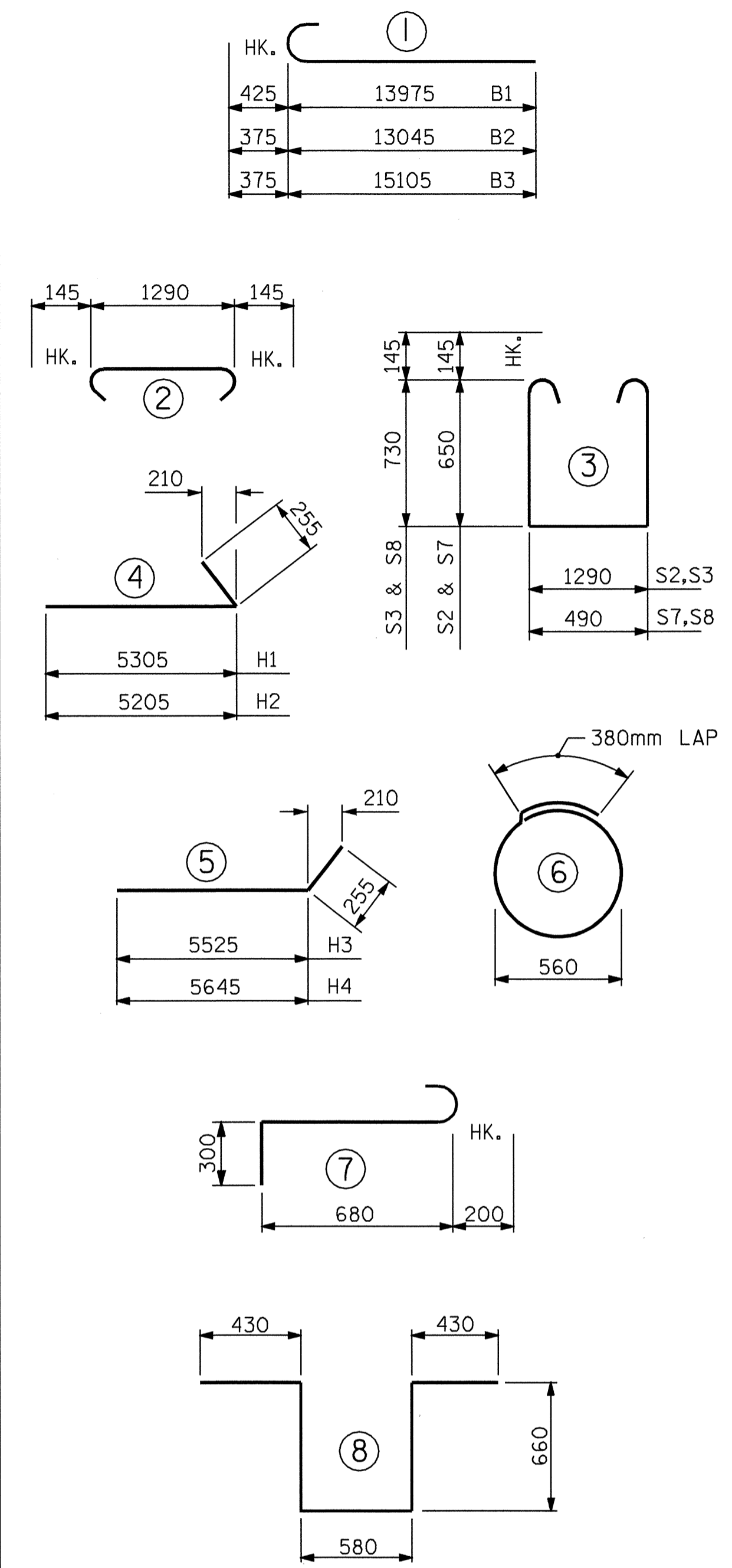
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT 2					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	10	32	1	14400	922
B2	6	29	1	13420	407
B3	6	29	1	15480	470
B4	4	22	STR	13580	165
B5	2	22	STR	14060	86
B6	16	13	STR	6960	111
B7	20	13	STR	1280	25
B8	12	13	STR	1100	13
H1	11	16	4	5560	95
H2	11	16	4	5460	93
H3	11	16	5	5780	99
H4	11	16	5	5900	101
K1	56	13	STR	6960	387
K2	4	13	STR	960	4
S1	160	16	2	1580	392
S2	56	16	3	2880	250
S3	104	16	3	3040	491
S4	22	13	6	2140	47
S5	6	19	7	1180	16
S6	2	19	8	2760	12
S7	3	16	3	2080	10
S8	3	16	3	2240	10
U1	69	13	9	1400	96
U2	8	13	9	1980	16
V1	146	16	STR	2540	576
V2	14	16	STR	3160	69
V3	14	16	STR	3040	66
V4	14	16	STR	2980	65
V5	14	16	STR	3000	65
V6	16	16	STR	2880	72
V7	16	16	STR	2800	69
REINFORCING STEEL				kg	5300

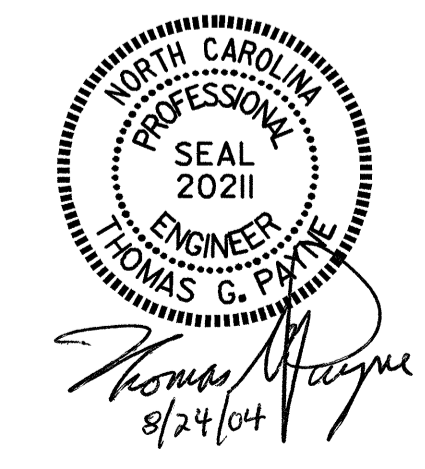
CLASS A CONCRETE BREAKDOWN:
 POUR #1 (CAP & PART WINGS) = 33.5 CU. METERS
 POUR #2 (BACKWALL & PART WINGS) = 23.3 CU. METERS
 CLASS A CONCRETE TOTAL = 56.8 CU. METERS

HP 310 X 79 STEEL PILES
 NO. = 13 LIN. METERS = 140
 STEEL PILE POINTS EACH 13

PROJECT NO. R-2206B
LINCOLN COUNTY
 STATION: 123+38.105 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 2
 (LEFT LANE)



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

DRAWN BY : E. G. ALLEN DATE : 3-8-01
 CHECKED BY : H. A. LOCKLEAR DATE : 3-23-01

20-AUG-2004 15:52
 W:\squad1\2206b\Final Plans\str1\2206b01eb2.dgn
 Klayne

STR. #1