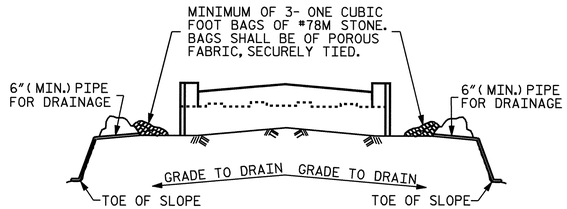
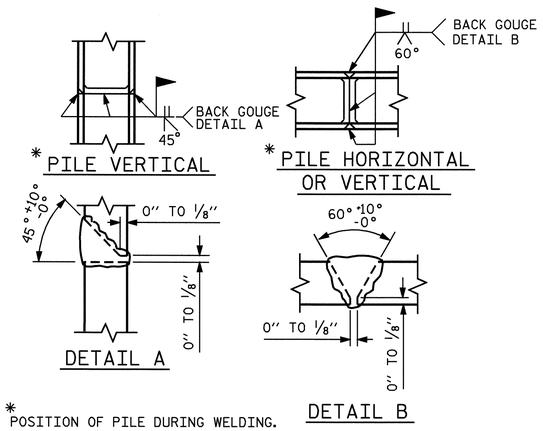


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

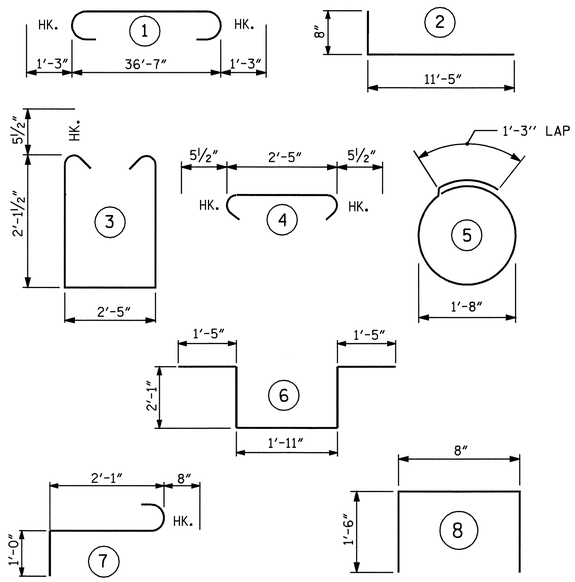
TEMPORARY DRAINAGE AT END BENT



* POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

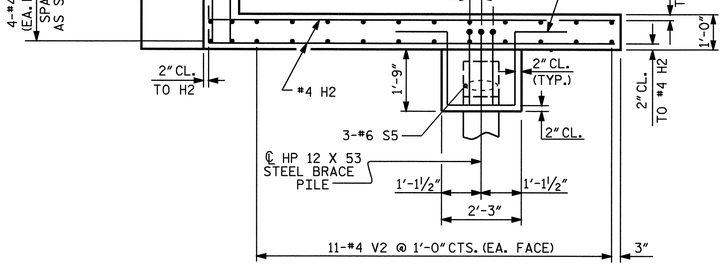
END BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	39'-1"	1063
B2	2	#5	STR	36'-9"	77
B3	8	#4	STR	19'-7"	105
B4	9	#4	STR	2'-5"	15
H1	8	#4	STR	2'-6"	13
H2	36	#4	2	12'-1"	291
K1	16	#4	STR	19'-7"	209
S1	32	#5	3	7'-7"	253
S2	32	#5	4	3'-4"	111
S3	12	#4	5	6'-6"	52
S4	2	#6	6	8'-11"	27
S5	6	#6	7	3'-9"	34
U1	32	#4	8	3'-8"	78
V1	64	#5	STR	5'-0"	334
V2	60	#4	STR	6'-4"	254

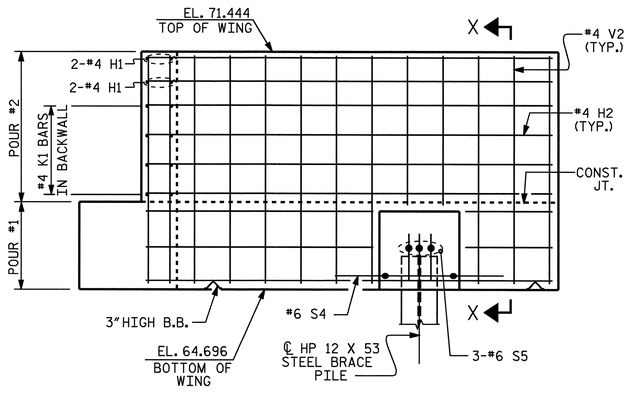
REINFORCING STEEL LBS. 2916

CLASS 'A' CONCRETE
POUR #1: CAP & WINGS CU. YDS. 12.4
POUR #2: WINGS CU. YDS. 7.7
TOTAL: CU. YDS. 20.1

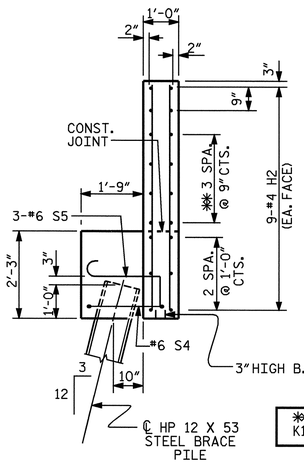
HP 12 X 53 STEEL PILES
NO. 8 LIN. FT. 400



PLAN

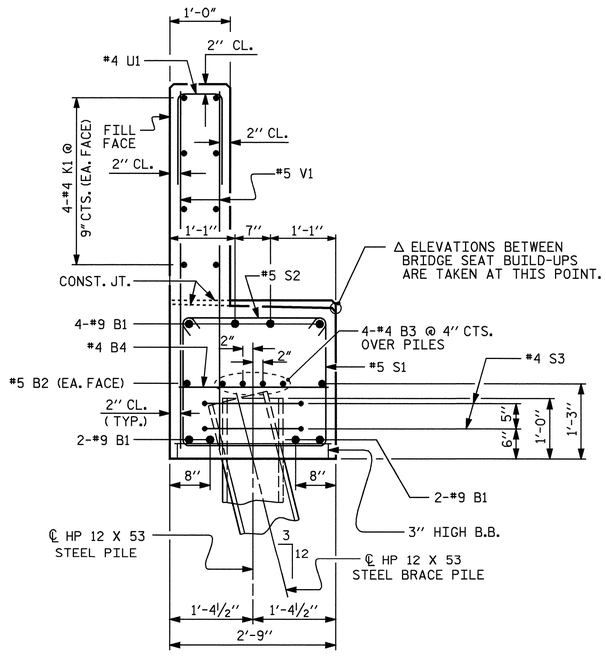


ELEVATION



SECTION X-X

** THESE BARS TO MATCH K1 BARS IN THE BACKWALL



SECTION A-A

NORTH CAROLINA PROFESSIONAL SEAL 21638 ENGINEER LAURA E. SUTTON
3/8/05

PROJECT NO. B-3467

HALIFAX COUNTY

STATION: 31+50.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT 2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-54
1			3			TOTAL SHEETS
2			4			60

STR. #2

DRAWN BY : J.L. WALTON DATE : 10/13/03
CHECKED BY : B.N. BARODAWALA DATE : 10/28/03

07-MAR-2005 12:02
W:\SquadL\b3467_v8\str2\jwalton\B3467_sd_E*_02.dgn
twalter