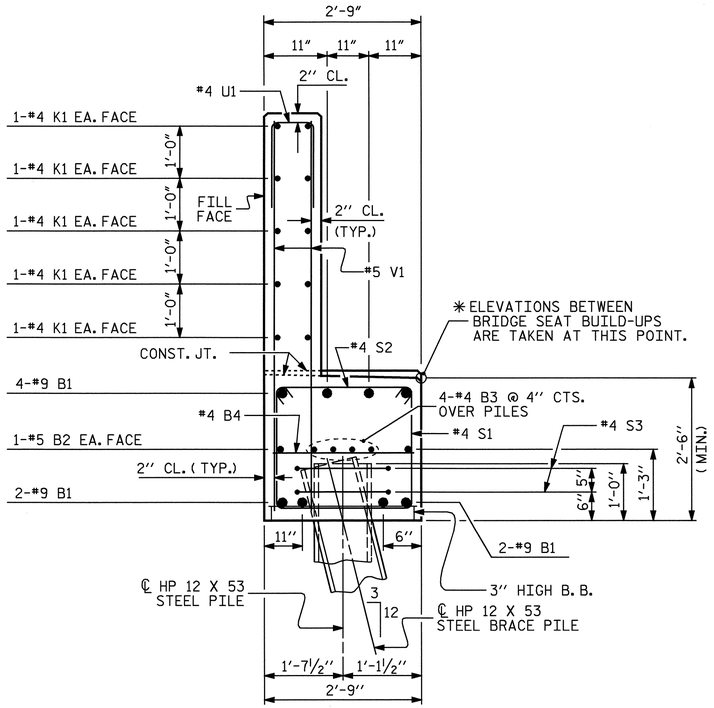
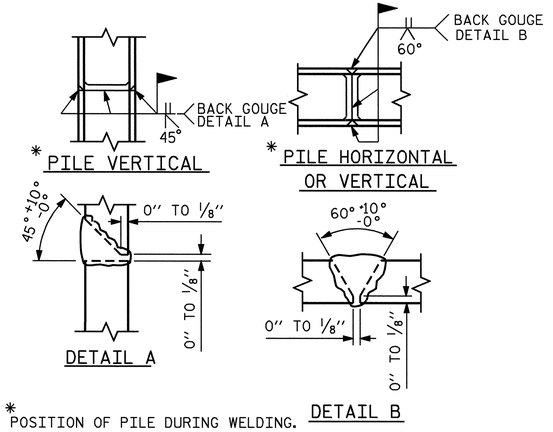
R:\Structures\B3828\padkins\Microstation\B3828_sd_E2_01.dg
tcoggins



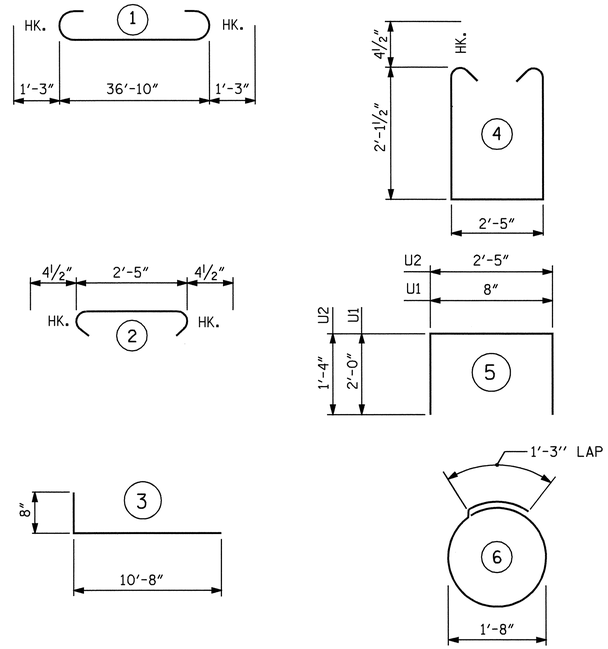
SECTION A-A



* 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'-4"	1070
B2	2	5	STR	36'-11"	77
B3	8	4	STR	19'-8"	105
B4	9	4	STR	2'-5"	15
B5	8	4	STR	3'-3"	17
H1	40	6	3	11'-4"	681
K1	20	4	STR	19'-8"	263
K2	8	4	STR	2'-7"	14
S1	36	4	4	7'-5"	178
S2	36	4	2	3'-2"	76
S3	16	4	6	6'-6"	69
U1	32	4	5	4'-8"	100
U2	6	4	5	5'-1"	20
V1	64	5	STR	6'-9"	451
V2	16	5	STR	8'-6"	142
V3	16	5	STR	8'-4"	139
V4	24	5	STR	8'-2"	204

TOTAL REINFORCING STEEL 3621 LBS.

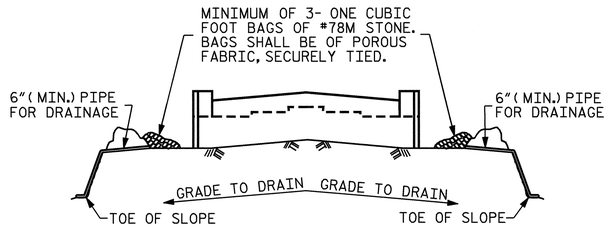
CLASS "A" CONCRETE BREAKDOWN

POUR #1 (CAP & LOWER PART OF WINGS) CU. YD. 11.7

POUR #2 (BACKWALL & UPPER PART OF WINGS) CU. YD. 11.5

TOTAL CLASS "A" CONCRETE CU. YD. 23.2

HP 12 X 53 STEEL PILES
NO. 8 200 LIN. FEET



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

NORTH CAROLINA PROFESSIONAL SEAL 14045 ENGINEER TIMOTHY W. COGGINS

Timothy W. Coggins 4/4/05

DRAWN BY : PEGGY ADKINS DATE : 6-03
CHECKED BY : T. AVERETTE DATE : 10-03

PROJECT NO. B-3828
CLEVELAND COUNTY
STATION: 14+65.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT #2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-22
1			3			TOTAL SHEETS
2			4			30