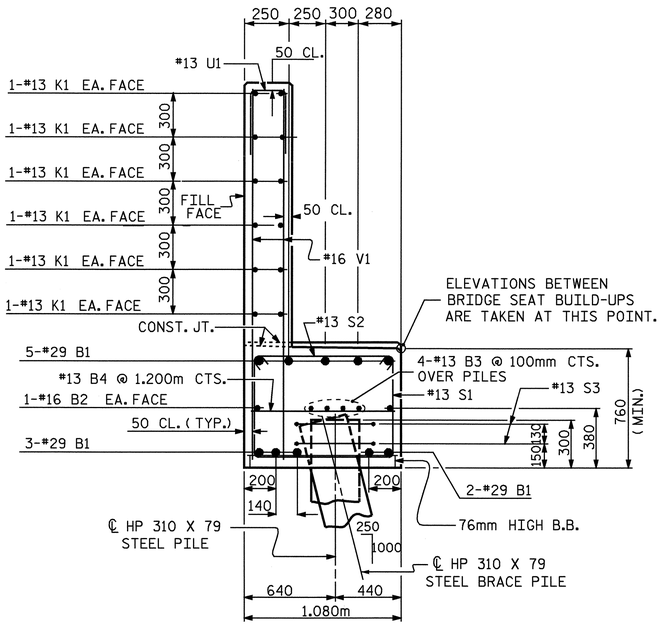
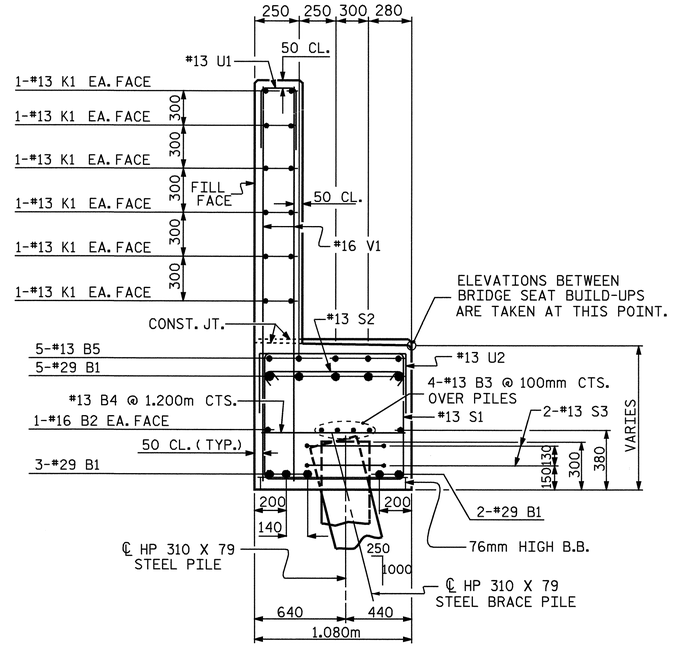
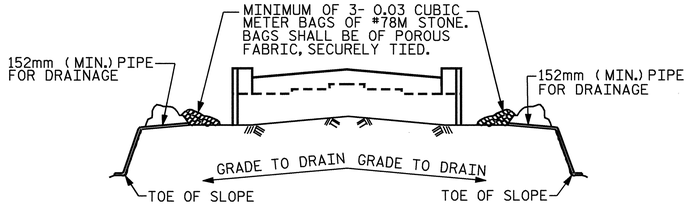


SECTION A-A



SECTION B-B

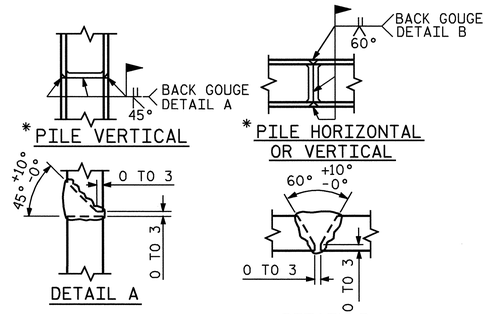


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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 FOR THE SEVERAL PAY ITEMS.

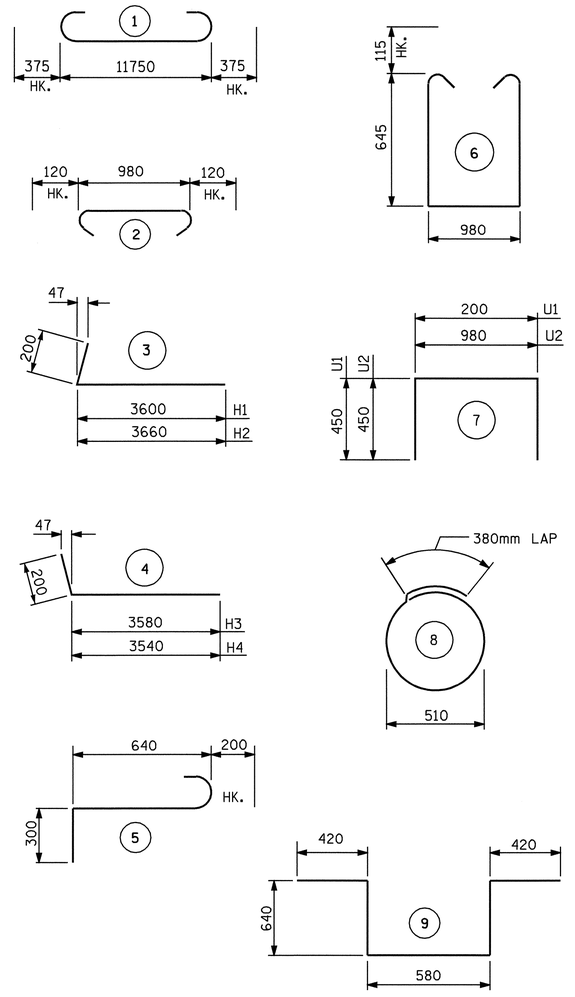
TEMPORARY DRAINAGE AT END BENT



* POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL
END BENT NO. 2

BAR	NUM	SZ	TYP	LENGTH	WEIGHT
B1	10	29	1	12520	634
B2	2	16	STR	11780	37
B3	8	13	STR	6260	50
B4	10	13	STR	980	10
B5	5	13	STR	3540	18
H1	11	19	3	3800	93
H2	11	19	3	3860	95
H3	11	19	4	3780	93
H4	11	19	4	3740	92
K1	24	13	STR	6260	149
K2	8	13	STR	880	7
S1	47	13	6	2500	118
S2	47	13	2	1220	57
S3	20	13	8	1980	39
S4	2	19	9	2700	12
S5	6	19	5	1140	15
U1	33	13	7	1100	36
U2	8	13	7	1880	15
V1	66	16	STR	2280	234
V2	34	16	STR	2740	146
V3	34	16	STR	2680	141

REINFORCING STEEL KG. 2091

CLASS A CONCRETE BREAKDOWN

POUR *1 (CAP, LOWER WINGS & WING BRACE PILE FTG.) 12.4 M^3

POUR *2 (BACKWALL & UPPER WINGS) 10.4 M^3

TOTAL CLASS A CONCRETE 22.8 M^3

HP 310 X 79 STEEL PILES

NO. 12 METERS 186.0

PROJECT NO. R-2206C

LINCOLN-CATAWBA COUNTY

STATION: 216+60.508 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT #2

NORTH CAROLINA PROFESSIONAL SEAL 022516 ENGINEER EMILY E. MURRAY
9/8/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-125
1			3			TOTAL SHEETS
2			4			374

DRAWN BY : C.MILLER DATE : 11/03
CHECKED BY : P.ADKINS DATE : 11/03