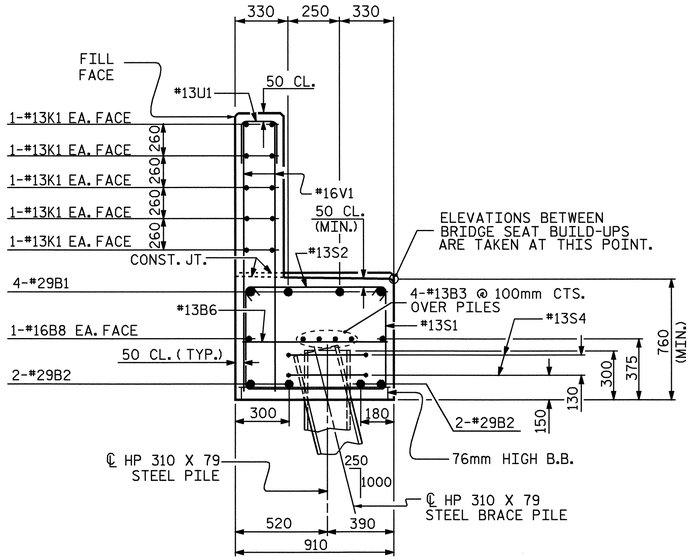
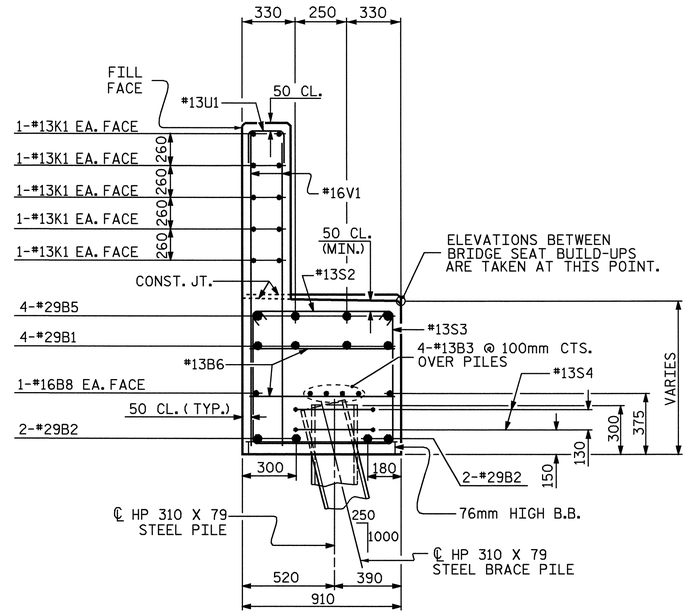
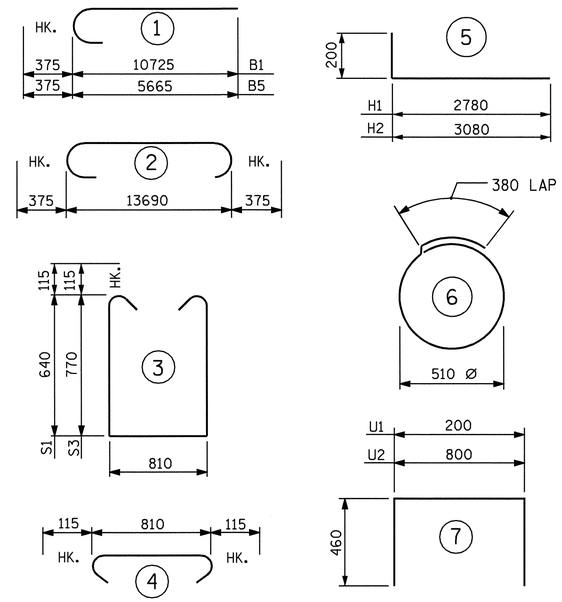


SECTION A-A



SECTION B-B

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT #2

BAR	NUM	SZ	TYP	LENGTH	WEIGHT
B1	4	29	1	11100	225
B2	4	29	2	14440	292
B3	8	13	STR	7220	57
B4	2	16	STR	3940	12
B5	4	29	1	6040	122
B6	15	13	STR	800	12
B7	8	13	STR	900	7
B8	2	16	STR	13700	43
H1	20	16	5	2980	92
H2	22	16	5	3280	112
K1	20	13	STR	7220	144
K2	8	16	STR	860	11
S1	47	13	3	2320	108
S2	80	13	4	1040	83
S3	33	13	3	2580	85
S4	14	13	6	1980	28
U1	40	13	7	1120	45
U2	6	13	7	1720	10
V1	80	16	STR	1860	231
V2	30	16	STR	2440	114
V3	28	16	STR	2220	96

REINFORCING STEEL KG. 1929

CLASS A CONCRETE BREAKDOWN

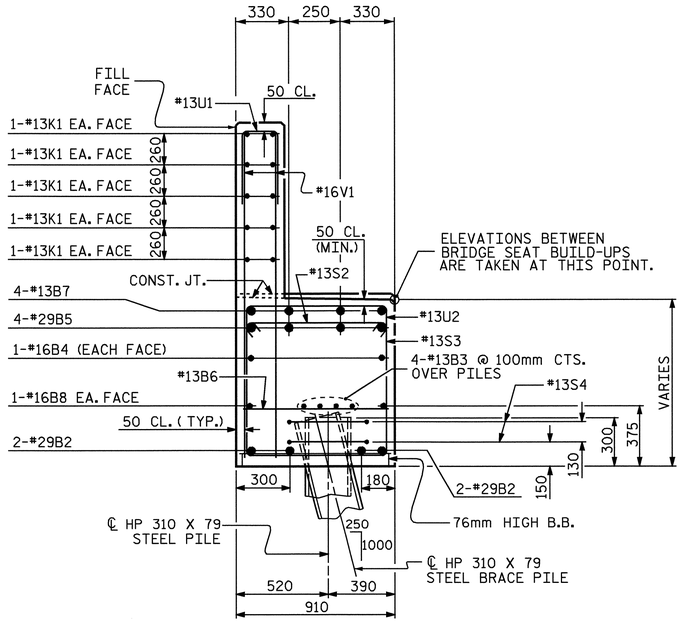
POUR #1 (CAP & LOWER WINGS) 12.2 m^3

POUR #2 (BACKWALL & UPPER WINGS) 8.2 m^3

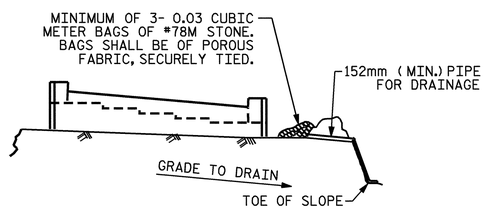
TOTAL 20.4 m^3

HP 310 X 79 STEEL PILES

NO. 7 85.4 METERS



SECTION C-C

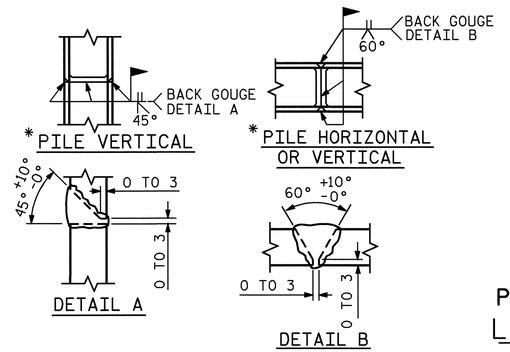


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



PILE SPLICE DETAILS

*POSITION OF PILE DURING WELDING.

PROJECT NO. R-2206C

LINCOLN-CATAWBA COUNTY

STATION: 256+91.000 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT #2

RIGHT LANE

NORTH CAROLINA PROFESSIONAL SEAL 022516 ENGINEER EMILY E. MURRAY
9/10/09

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-3666
1			3			TOTAL SHEETS
2			4			374

DRAWN BY : M. M. PARSONS DATE : 2/10/04
CHECKED BY : C. MILLER DATE : 4/04

09-SEP-2004 09:49
W:\squadq\r2206c\Final Plans\Str. 12\R2206c_SD_EB_12.dgn
dorutcher

STR. #12