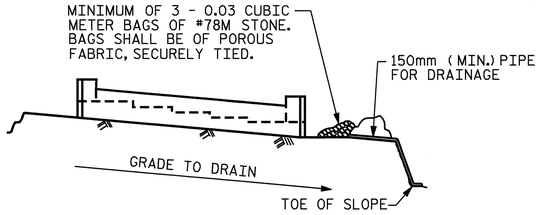
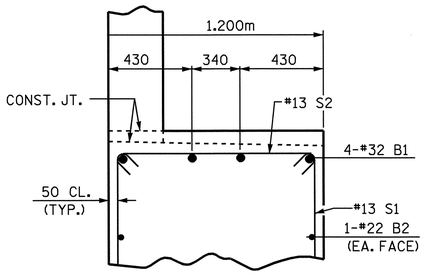


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE,CORRUGATED STEEL,CORRUGATED ALUMINUM ALLOY,OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

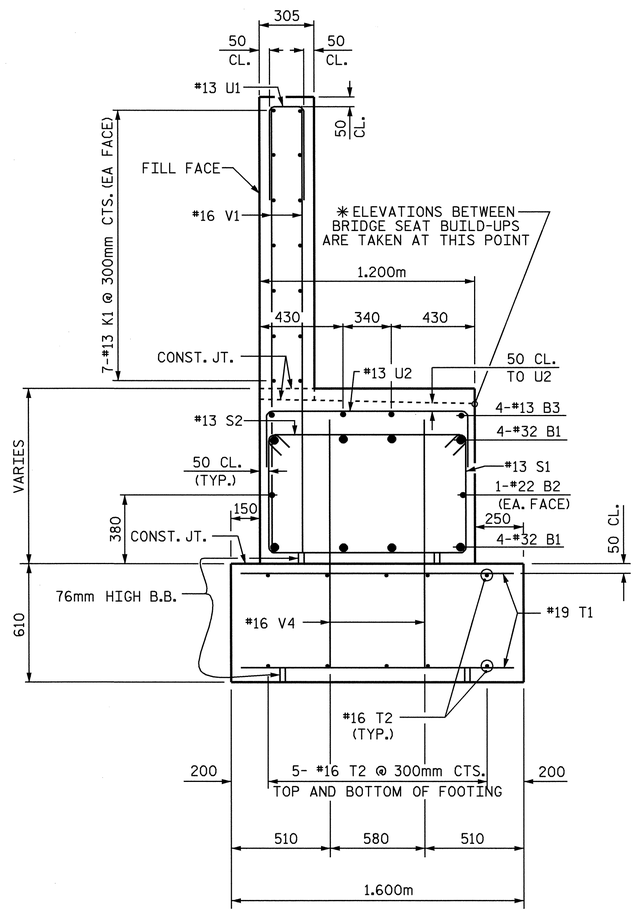
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR 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

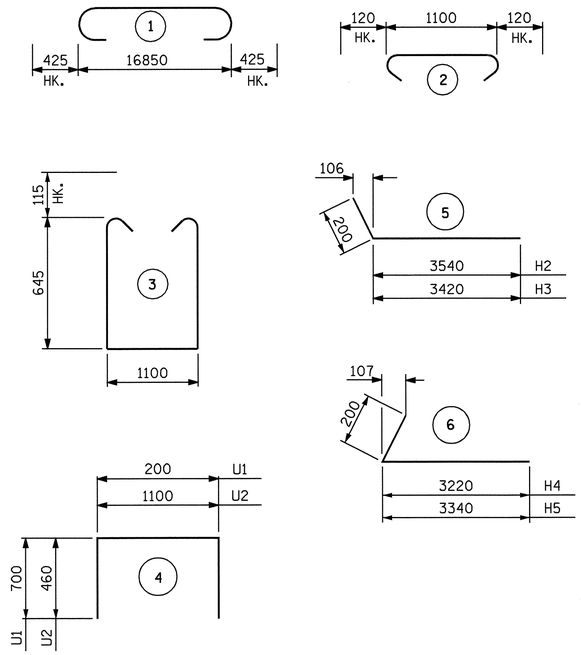


PARTIAL SECTION B-B



SECTION A-A

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL
END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	32	1	17700	907
B2	2	22	STR	16900	103
B3	8	13	STR	4020	32
H1	4	16	STR	1020	6
H2	12	16	5	3740	70
H3	12	16	5	3620	67
H4	11	16	6	3420	58
H5	11	16	6	3540	60
K1	28	13	STR	8820	245
S1	54	13	3	2620	141
S2	54	13	2	1340	72
U1	49	13	4	1600	78
U2	15	13	4	2020	30
V1	98	16	STR	2600	395
V2	32	16	STR	3200	159
V3	30	16	STR	2940	137
V4	94	16	STR	1260	184
T1	94	19	STR	1500	315
T2	10	16	STR	13900	216

REINFORCING STEEL kg 3275

CLASS "A" CONCRETE BREAKDOWN

POUR #1:	FOOTING	C.M. 13.7
POUR #2:	CAP & WINGS	C.M. 19.2
POUR #3:	WINGS & BACKWALL	C.M. 14.9
TOTAL		C.M. 47.8

FOUNDATION EXCAVATION LUMP SUM

PROJECT NO. R-0977A
CHEROKEE COUNTY
STATION: 41+19.524-LREV-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-157
1			3			TOTAL SHEETS
2			4			230

DRAWN BY : THF/A.S. CALLAWAY DATE : 10/26/04
CHECKED BY : J.P. ADAMS DATE : 11/5/04

21-DEC-2004 07:23
W:\SquadL\r0977a\str4\scallaway\R0977A_sd_E*_04.dgn
lsutton

STR. #4