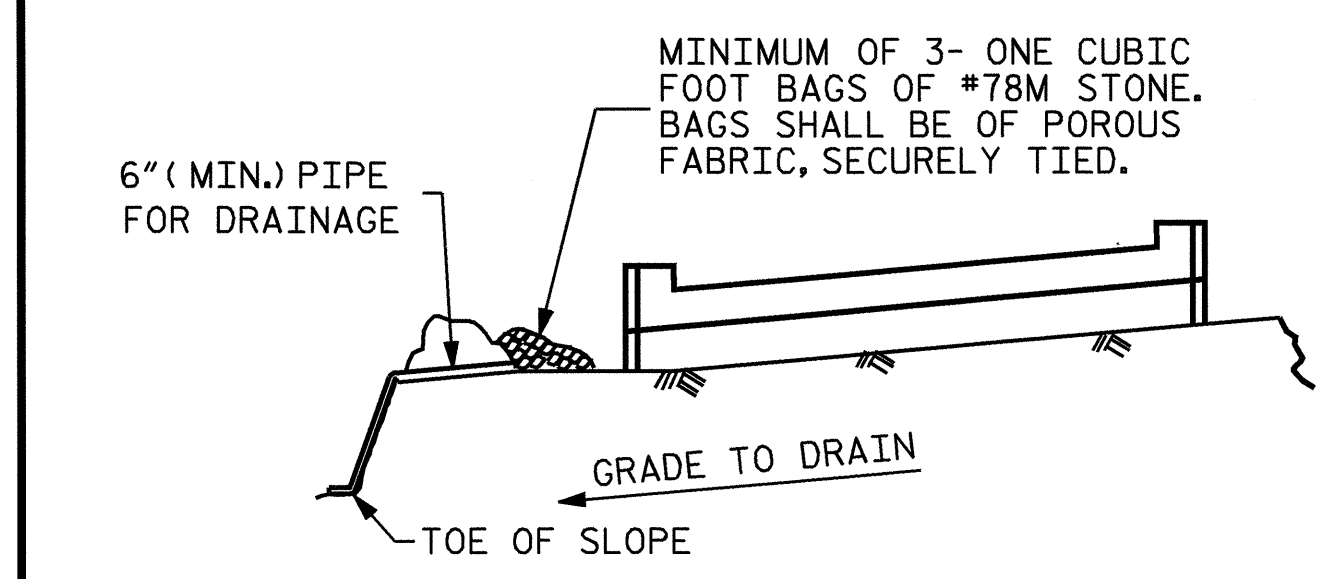


SECTION THRU INTEGRAL ABUTMENT



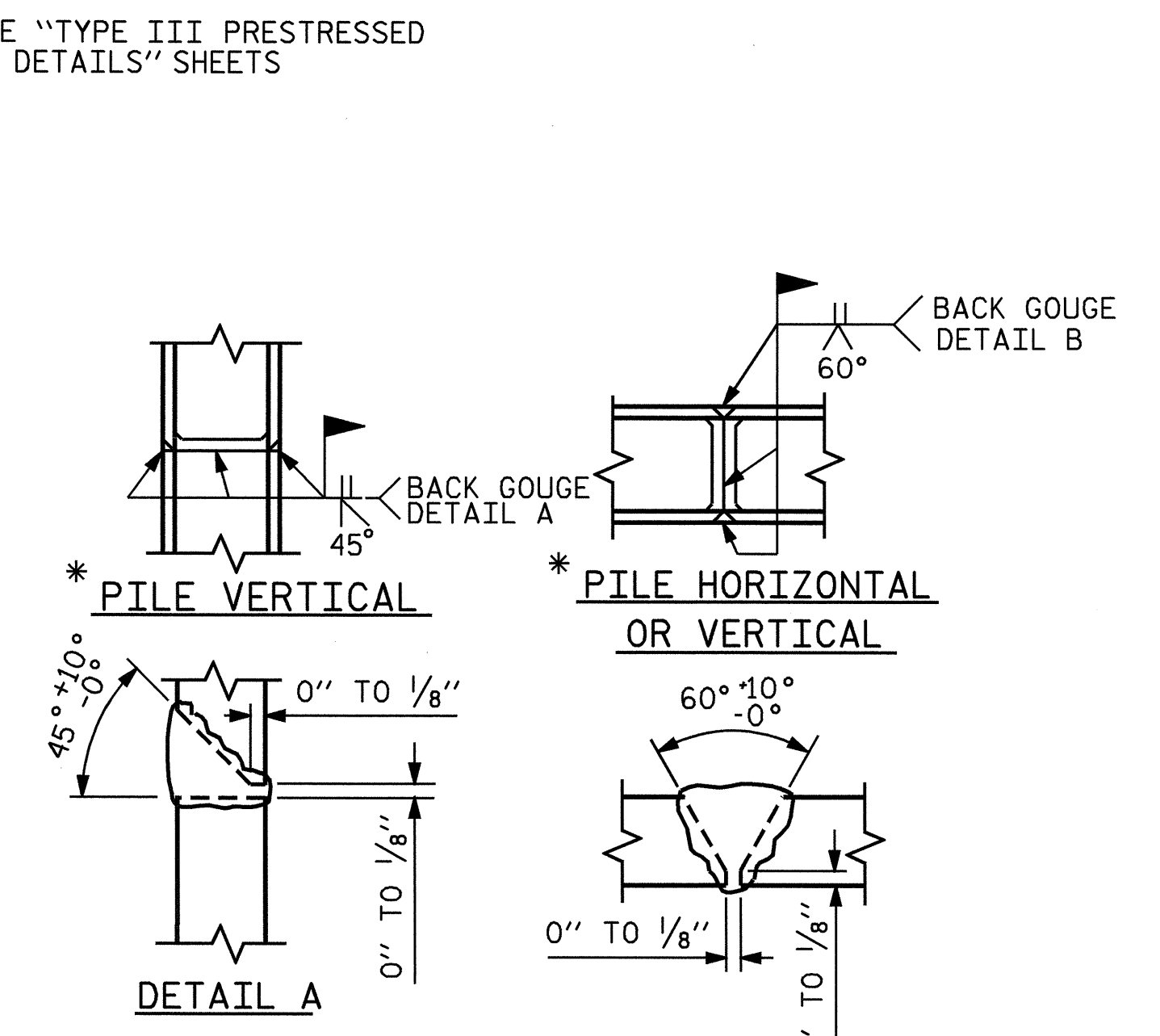
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

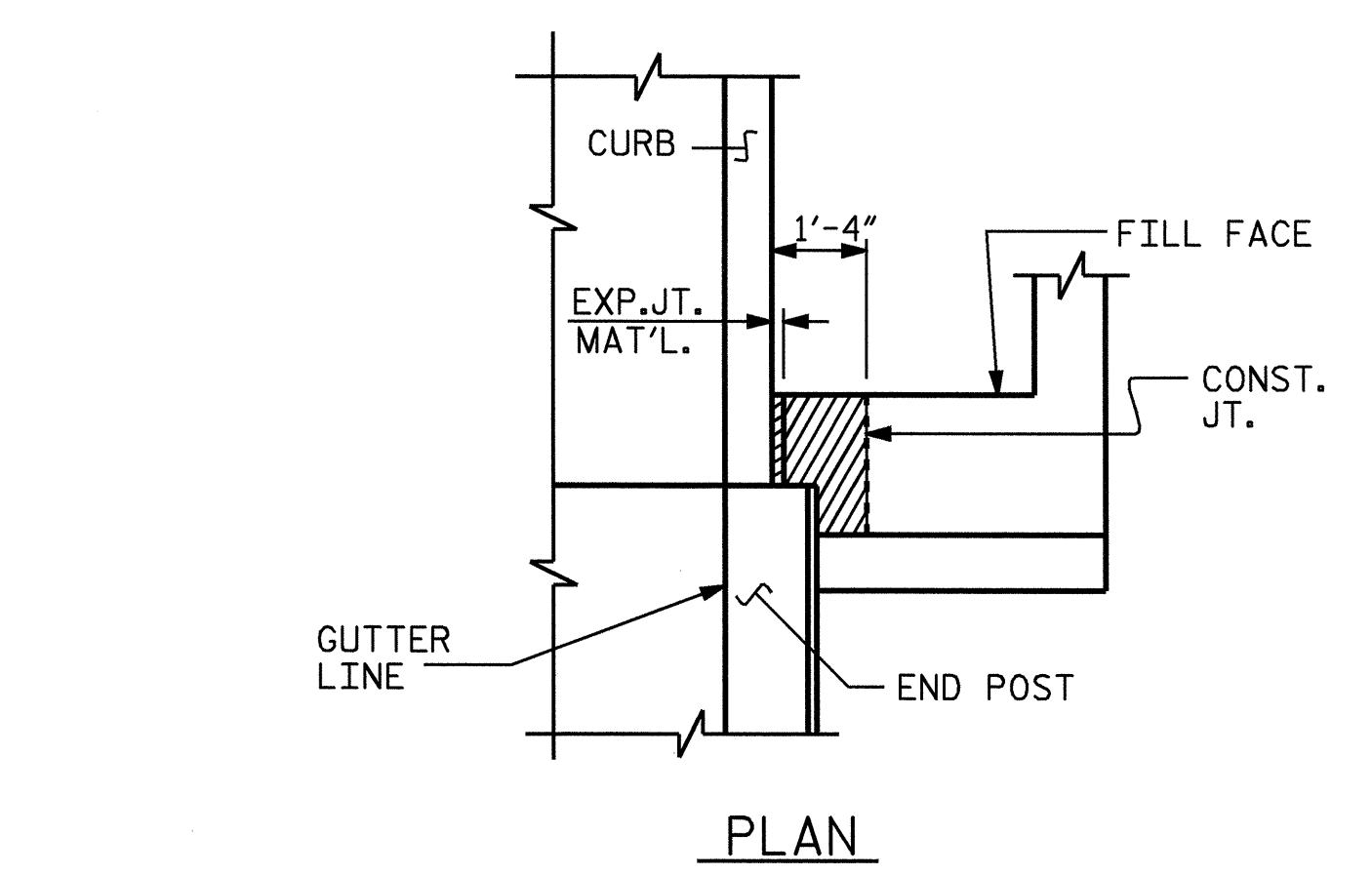
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT INTEGRAL ABUTMENT

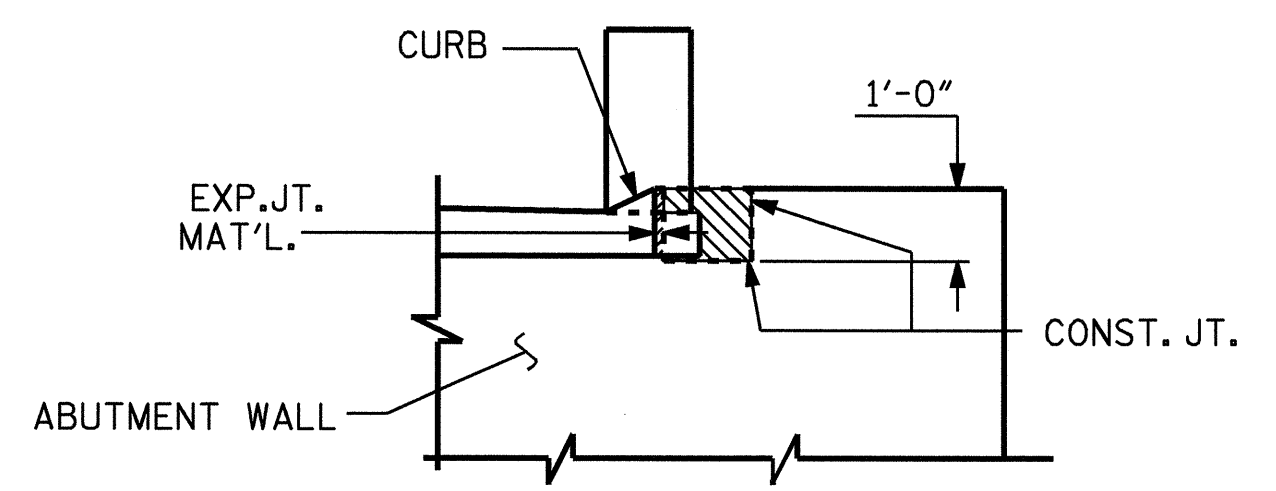
DRAWN BY: Nail M. Ruffin DATE: 2/28/05
 CHECKED BY: B. C. HANKS DATE: 3-9-05



PILE SPLICE DETAILS

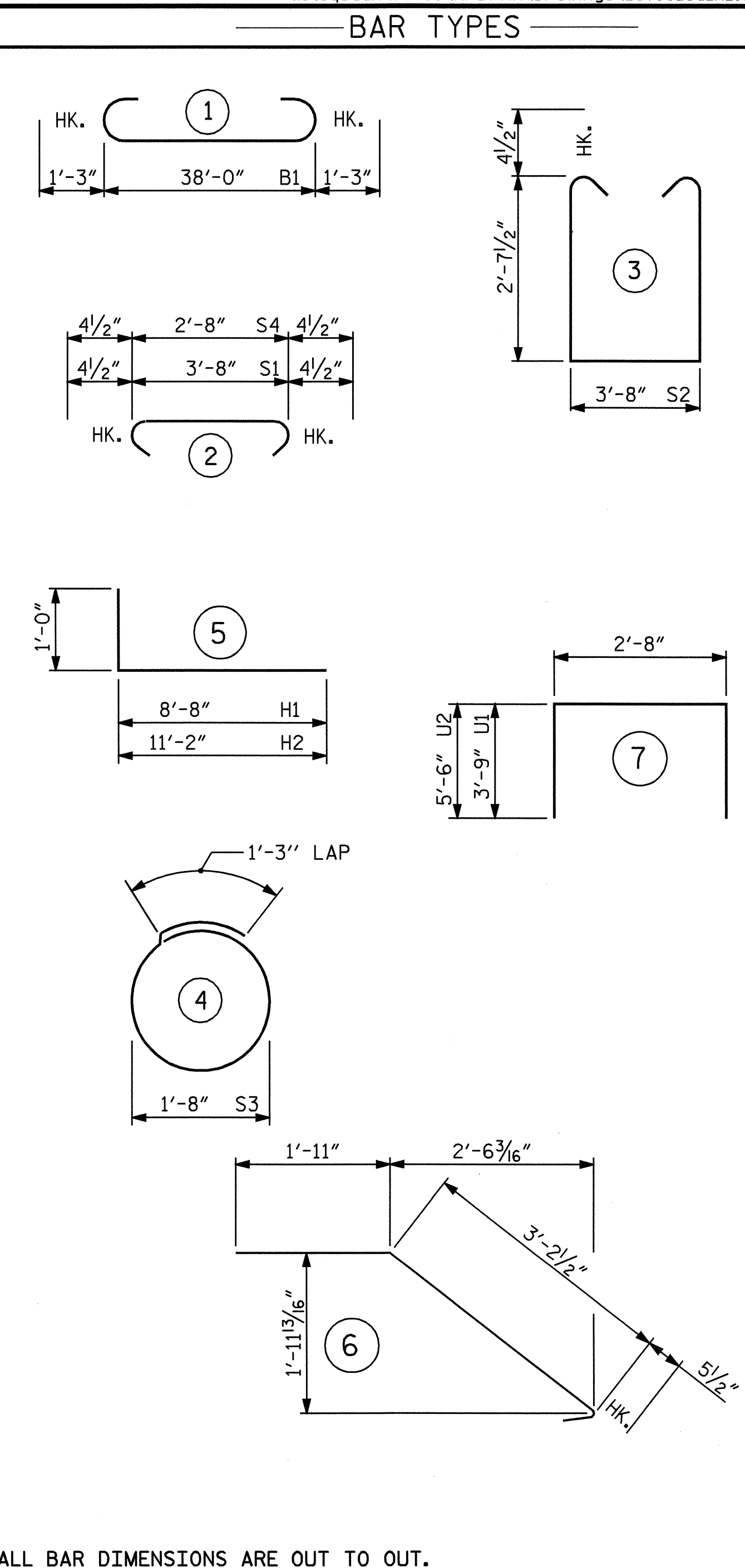


PLAN



ELEVATION

BLOCKOUT IN WING WALL FOR SLIP FORMING ONE BAR METAL RAIL PARAPET



BAR TYPES

BILL OF MATERIAL INTEGRAL ABUTMENT #1

BAR NO	SIZE	TYPE	LENGTH	WEIGHT	
B1	12	9	1	40'-6"	1652
B2	6	5	STR	38'-2"	239
B3	8	4	STR	20'-3"	108
B4	10	4	STR	3'-8"	24
H1	20	5	5	9'-8"	202
H2	20	5	5	12'-2"	254
K1	4	5	STR	38'-2"	159
K2	4	5	STR	4'-9"	20
K3	12	5	STR	5'-6"	69
K4	4	5	STR	4'-2"	17
K5	2	5	STR	5'-2"	11
K6	2	5	STR	5'-0"	10
K7	8	5	STR	3'-2"	26
S1	44	4	2	4'-5"	130
S2	44	4	3	9'-8"	284
S3	27	4	4	6'-6"	117
S4	60	4	2	3'-5"	137
S5	24	5	6	5'-7"	140
U1	24	4	7	10'-2"	163
U2	6	4	7	13'-8"	55
V1	111	4	STR	5'-3"	389
V2	44	4	STR	5'-6"	162
REINFORCING STEEL lbs.				4,368	

CLASS "A" CONCRETE BREAKDOWN

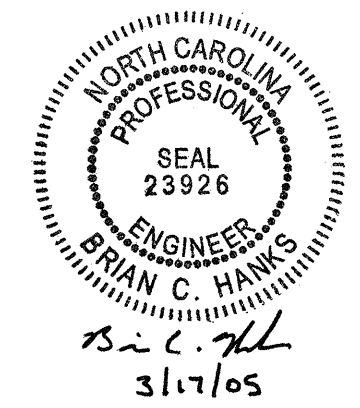
POUR #1 (CAP & LOWER WINGS)	19.0 C.Y.
POUR #2 (ABUTMENT WALL & UPPER WINGS)	19.4 C.Y.
TOTAL	38.4 C.Y.

HP 12 x 53 STEEL PILES	
No. = 9	LIN. FEET. 90
STEEL PILE POINTS	EA. 9

PROJECT NO. B-3700
STANLY COUNTY
 STATION: 16+85.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
INTEGRAL ABUTMENT 1
 DETAILS



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	5-16
1			3			TOTAL SHEETS
2			4			22