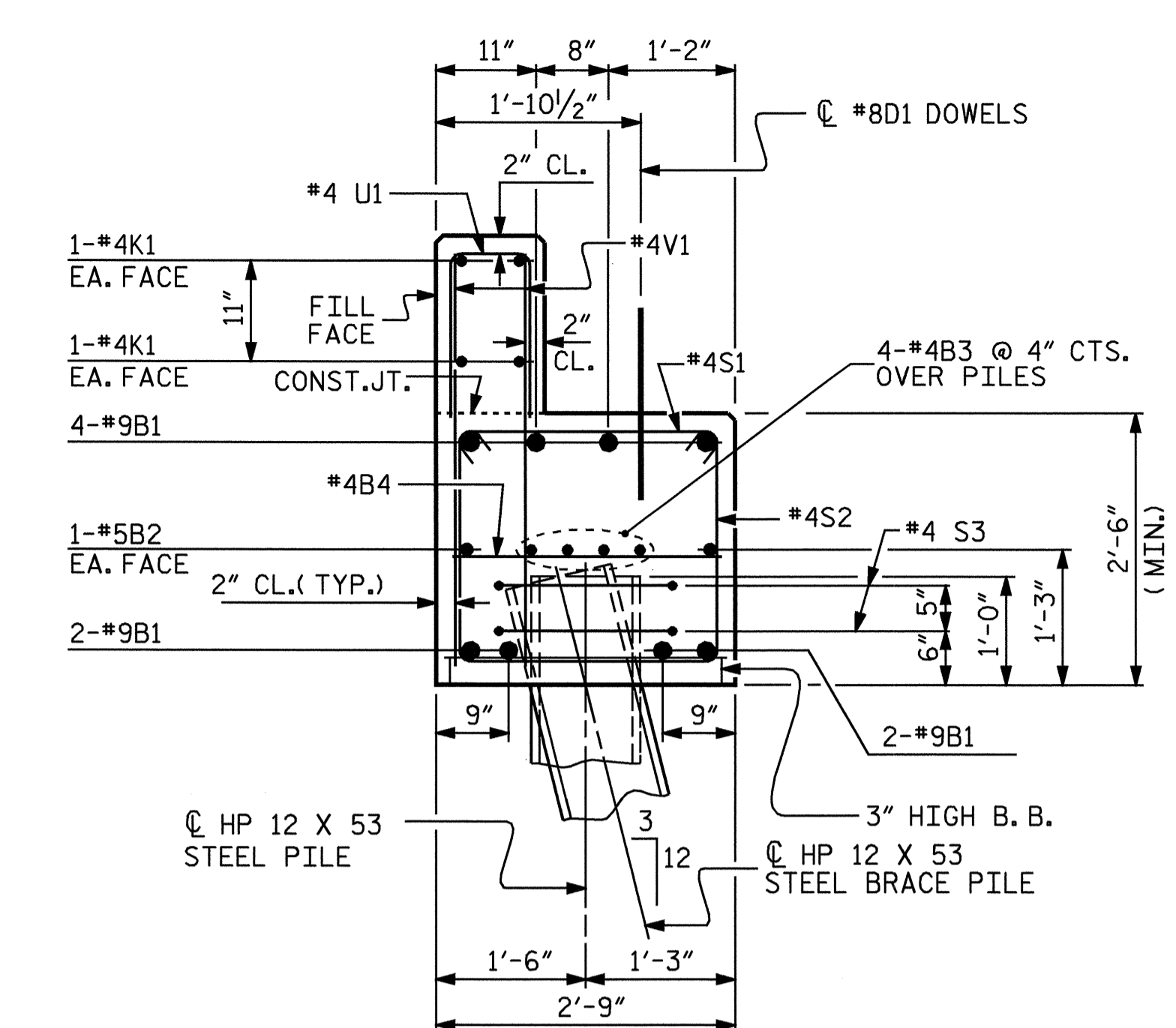


PILE SPlice DETAILS



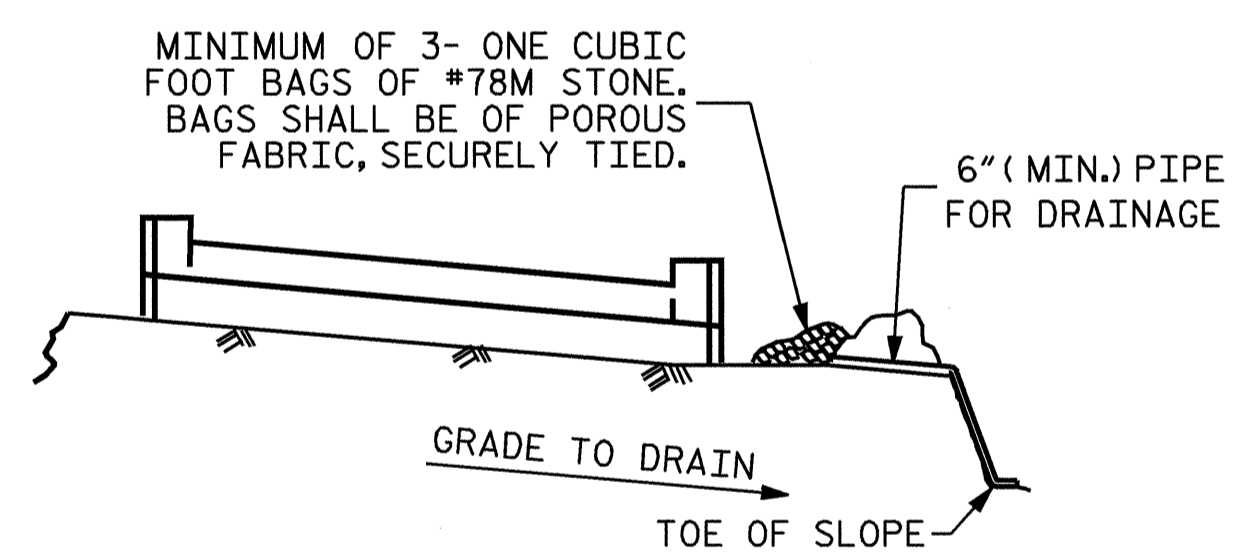
SECTION A-A

BAR TYPES

BILL OF MATERIAL

END BENT NO.2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9		54'-0"	1469
B2	2	#5	STR	51'-6"	107
B3	8	#4	STR	27'-0"	144
B4	13	#4	STR	2'-5"	21
D1	26	#8	STR	2'-3"	156
H1	7	#4	2	8'-0"	37
H2	7	#4	2	8'-5"	39
H3	7	#4	3	7'-2"	34
H4	7	#4	3	6'-9"	32
H5	8	#4	STR	2'-9"	15
K1	8	#4	STR	27'-0"	144
S1	46	#4	4	3'-2"	97
S2	46	#4	5	7'-5"	228
S3	24	#4	6	6'-6"	104
U1	45	#4	7	3'-8"	110
U2	4	#4	7	4'-7"	12
V1	90	#4	STR	4'-1"	245
V2	22	#4	STR	5'-4"	78
V3	20	#4	STR	5'-6"	73
REINFORCING STEEL				=	3145 LBS
CLASS A CONCRETE					
POUR #1: CAP & BOT. OF WINGS 14.4 C.Y.					
POUR #2: BACKWALL & TOP OF WINGS 5.1 C.Y.					
POUR #3: LATERAL GUIDE 0.1 C.Y.					
TOTAL CLASS A CONCRETE				=	19.6 C.Y.
HP 12 X 53 STEEL PILES					
NO. 12				LIN. FT.	360
STEEL PILE POINTS NO. 12					

ALL BAR DIMENSIONS ARE OUT TO OUT.



MINIMUM OF 3- ONE CUBIC FOOT BAGS OF #78M STONE. BAGS SHALL BE OF POROUS FABRIC, SECURELY TIED.

6" (MIN.) PIPE FOR DRAINAGE

GRADE TO DRAIN

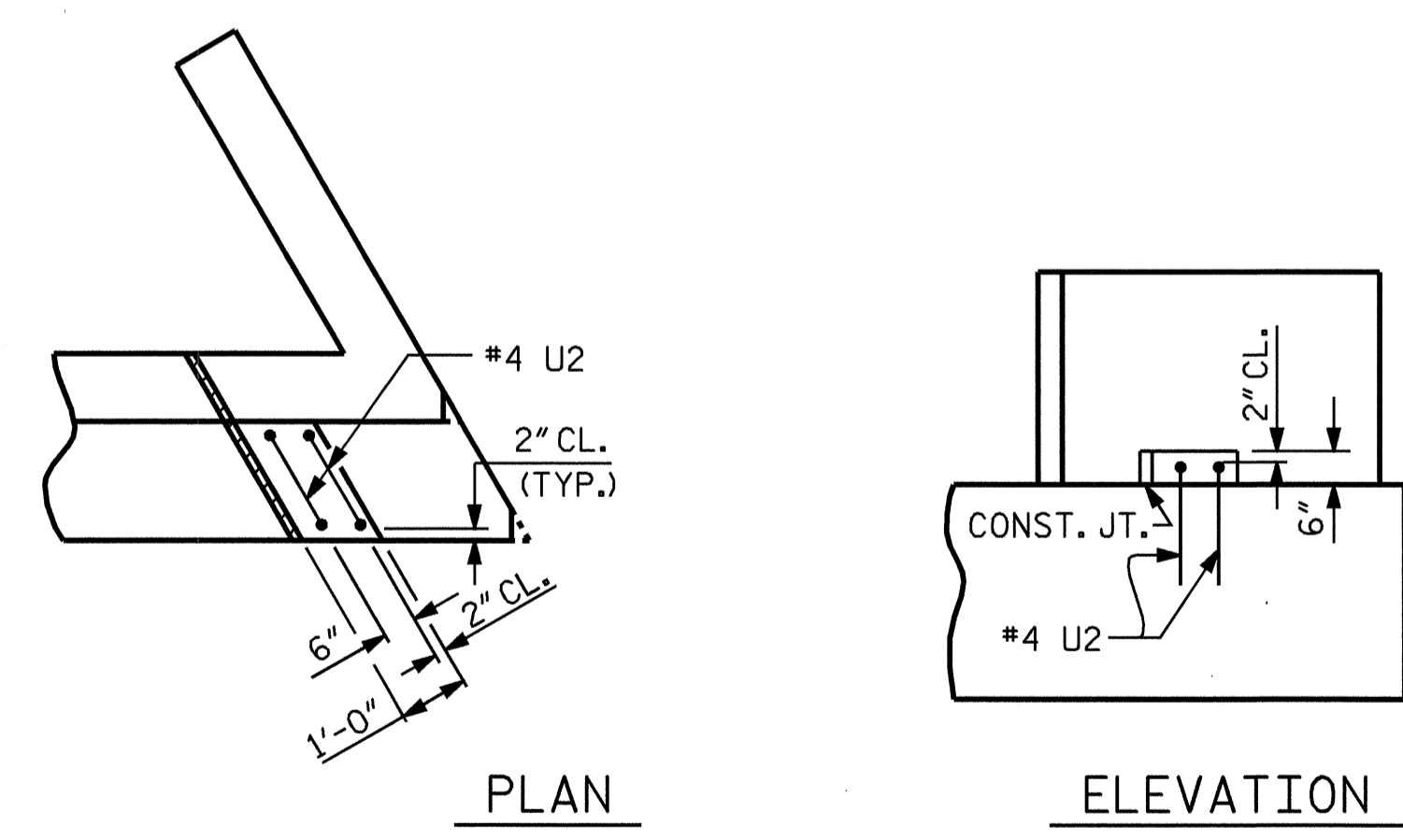
TOE OF SLOPE

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



LATERAL GUIDE DETAILS
(RIGHT LATERAL GUIDE SHOWN, LEFT LATERAL GUIDE SIMILAR)

PROJECT NO. B-3664
HENDERSON COUNTY
 STATION: 20+95.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT NO.2



DRAWN BY: L.L. MURPHY DATE: 04-05
 CHECKED BY: D. HODGE DATE: 05-05

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-23
1			3			TOTAL SHEETS
2			4			27