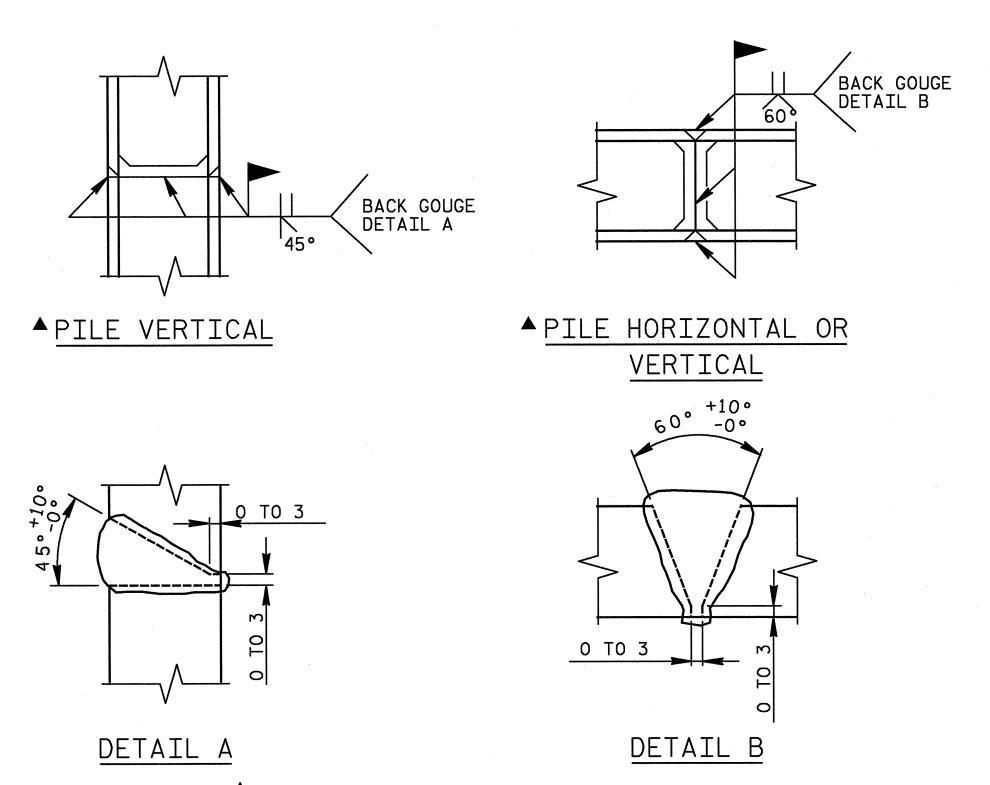
TEMPORARY DRAINAGE AT END BENT

DRAINAGE NOTES:

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

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.

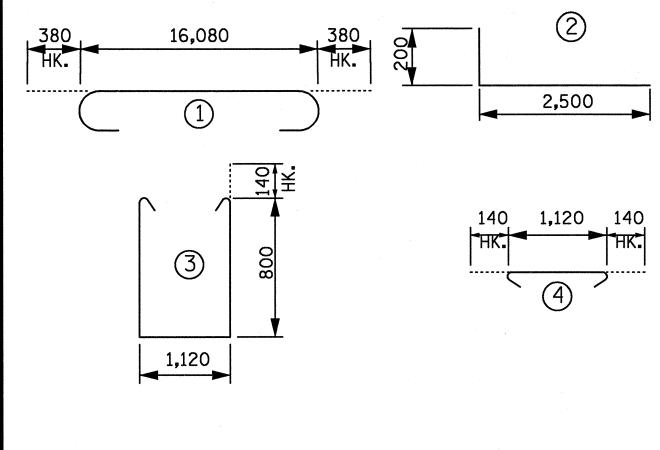
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.



▲ POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS





		S3 ₁	510
	province	S4	1,120
		S5	200
765	400		5

BILL OF REINFORCING LENGTH MASS MARK #29 16,840 #16 STR. 16,080 100 B2 #13 STR. 134 **B3** 16 8,420 B4 #13 1,120 STR. 14 B5 30 #16 STR. 900 42 2,700 201 STR. 16,080 299 12 #16 K2 #16 STR. 860 3,000 #16 79 **S2** 79 #16 1,400 172 #13 2,040 73 S3 36 **S4** 25 #16 1,920 74 1,000 **S5** 48 #13 48 96 #16 STR. 2,340 349 STR. 2,680 #16 24 #16 STR. 2,860 ٧3 24 107 TOTAL REINFORCING STEEL = 2,946 kg

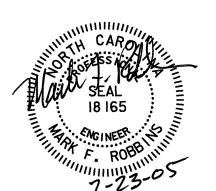
QUANTITIES	S - END	BENT 1
REINFORCING STEEL		2,946 kg
CLASS A CONCRETE	POUR 1	19.7 CU. METERS
	POUR 2	10.6 CU. METERS
	TOTAL	30.3 CU. METERS
HP 310 X 79 STEEL PILES		NO. 12
		260.9 METERS

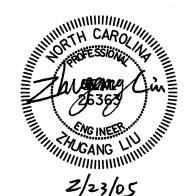
ALL BAR DIMENSIONS ARE OUT TO OUT.

PROJECT No.R-2552C

JOHNSTON COUNTY

STATION: POS 16+52.599 -Y4- = POC 9+28.021 -FLYOVER-SHEET 3 OF 3





RALPH WHITEHEAD ASSOCIATES, INC. CONSULTING ENGINEERS P.O. BOX 35624 CHARLOTTE, N.C. 28235 DRAWN BY LGH CHECKED BY TVR

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

END BENT 1

SHEET NO. 5-420 TOTAL SHEETS 431