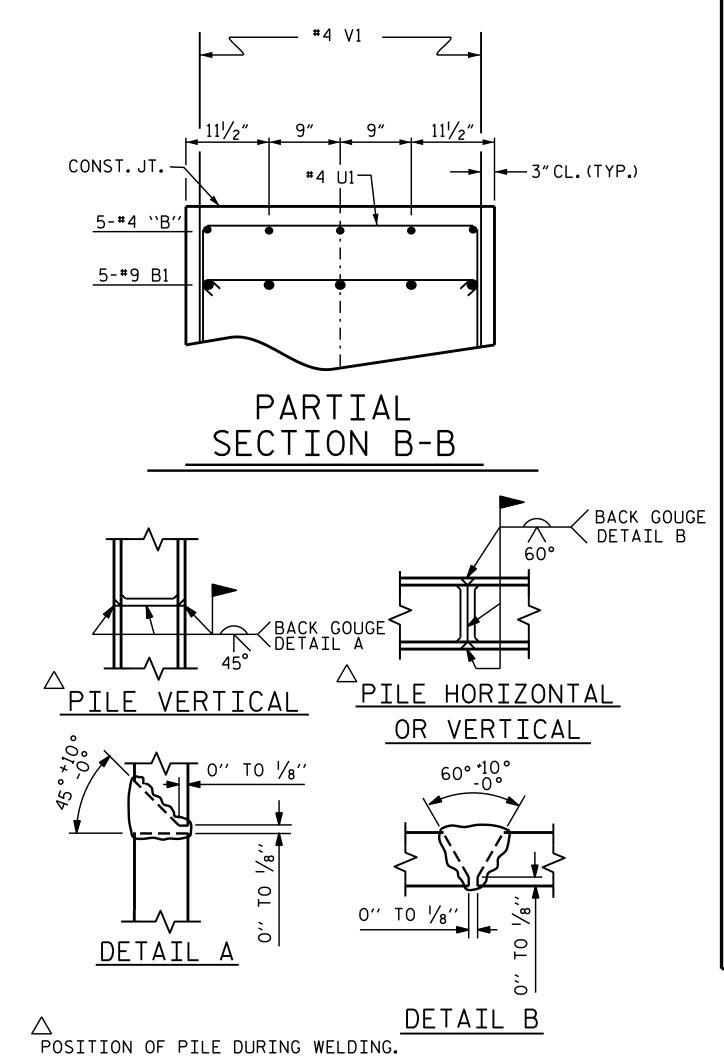


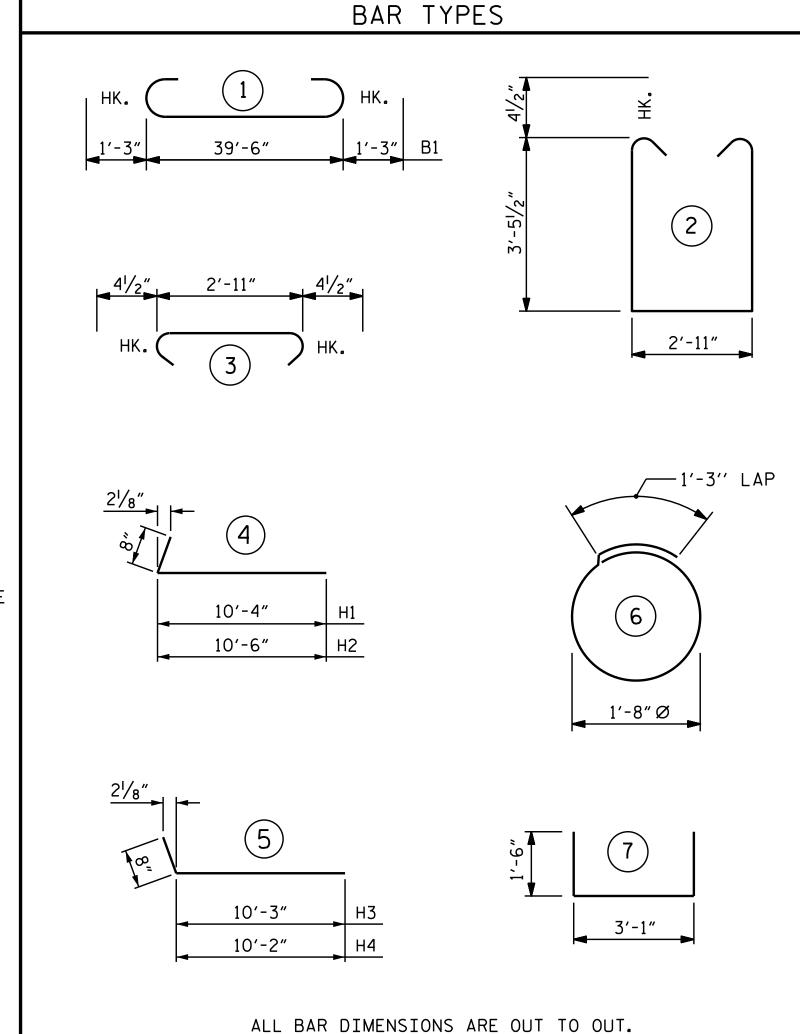
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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 DETER-MINES 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

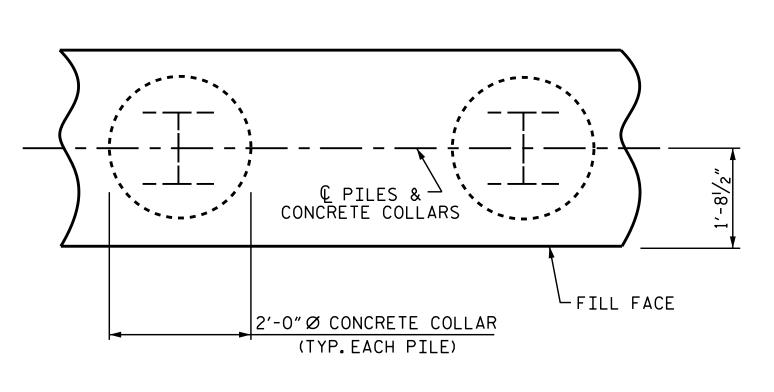




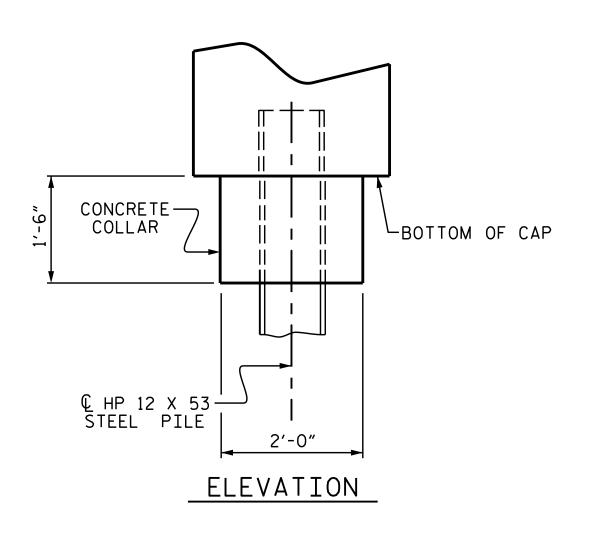
**B2 4 **9 STR 8'-9" 1 **B3 6 **5 STR 39'-8" 2 **B4 10 **4 STR 2'-11" **B5 8 **4 STR 21'-4" 1 **B6 10 **4 STR 6'-6" 4 **B7 5 **4 STR 7'-2" 3 **H1 13 **5 4 11'-0" 1	285 .19 .248 .19 .14 .43 .24			
**B3 6 **5 STR 39'-8" 2 **B4 10 **4 STR 2'-11" **B5 8 **4 STR 21'-4" 1 **B6 10 **4 STR 6'-6" 4 **B7 5 **4 STR 7'-2" 3 **H1 13 **5 4 11'-0" 1	248 19 14 43 24			
**B4 10 **4 STR 2'-11" **B5 8 **4 STR 21'-4" 1 **B6 10 **4 STR 6'-6" 6' **B7 5 **4 STR 7'-2" 2 **H1 13 **5 4 11'-0" 1	19 14 43 24 49			
**B5 8 **4 STR 21'-4" 1 **B6 10 **4 STR 6'-6" 4 **B7 5 **4 STR 7'-2" 3 **H1 13 **5 4 11'-0" 1	14 43 24 49			
* B6 10	43 24 49			
* B7 5 #4 STR 7'-2" 2	24 49			
* H1 13 #5 4 11'-0" 1	49			
* H2 13 *5 4 11'-2" 1				
	51			
	37			
* H4 12 #5 5 10'-10" 1	36			
* K1 24 *4 STR 3'-4"	53			
	297			
	03			
AP	87			
	2.1			
*U1 15 #4 7 6'-1"	61			
	94			
	73			
* V3 32 #4 STR 7'-6" 16	60			
<pre>* EPOXY COATED REINFORCING STEEL = 3553</pre>	* EPOXY COATED REINFORCING STEEL = 3553 LBS.			
CLASS AA CONCRETE	CLASS AA CONCRETE			
POUR #1				
(CAP, CON. COLLARS,	(CAP, CON. COLLARS,			
& LOWER PART OF WINGS) —— = 25.6	& LOWER PART OF WINGS) —— = 25.6 C.Y.			
POUR #2				
(UPPER PART OF WINGS) = 3.9	(UPPER PART OF WINGS)= 3.9 C.Y.			
TOTAL = 29.3	$\overline{\text{TOTAL}} = 29.3 \text{ C.Y.}$			
HP 12 X 53 STEEL PILES				
No.5 LIN FT.	350			
	LIN 11. 550			
PILE REDRIVES EA	PILE REDRIVES EA. 5			
STEEL PILE POINTSNO	STEEL PILE POINTS NO. 5			

BILL OF MATERIAL

PILE SPLICE DETAILS



<u>PLAN</u>



STATION: 369+42.00 -L-

PROJECT NO. R-5021

BRUNSWICK

SHEET 3 OF 3

26445

P. Korey Newton

NGINEEP !

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

COUNTY

SHEET NO. S1-29

TOTAL SHEETS

SUBSTRUCTURE
INTEGRAL
END BENT 1
(WBL)

T/20/2019 REVISIONS

REVISIONS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED 2 4

STR. #1

CORROSION PROTECTION FOR STEEL PILES DETAIL

RAWN BY :	Q. T. NGUYEN	DATE : 5/2/18
HECKED BY :	M.K.BEARD	DATE : 8/18
	OF RECORD: A.K. PATEL	DATE : 1/10/19