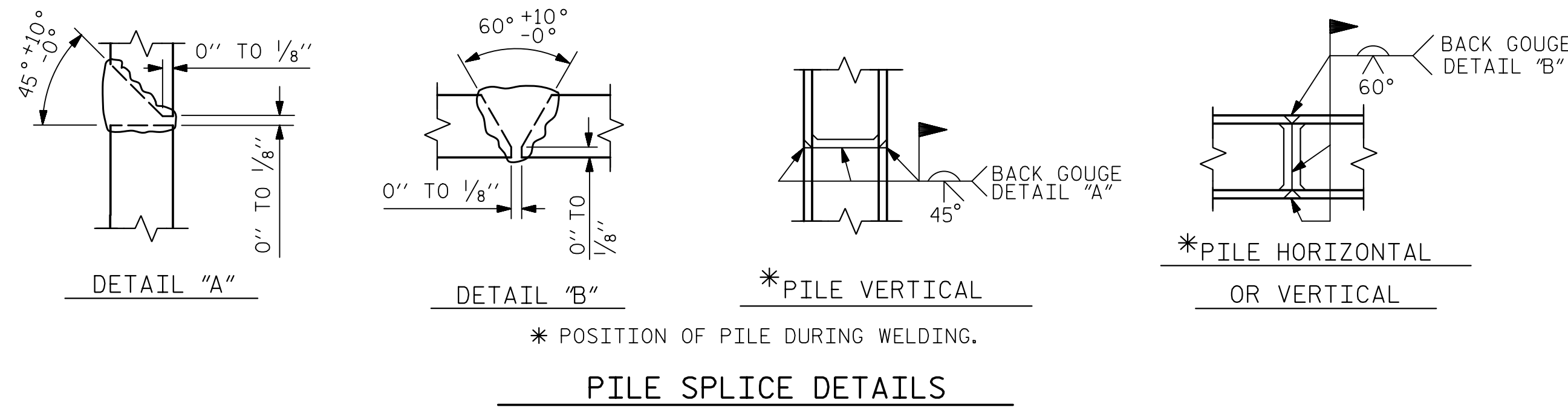


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

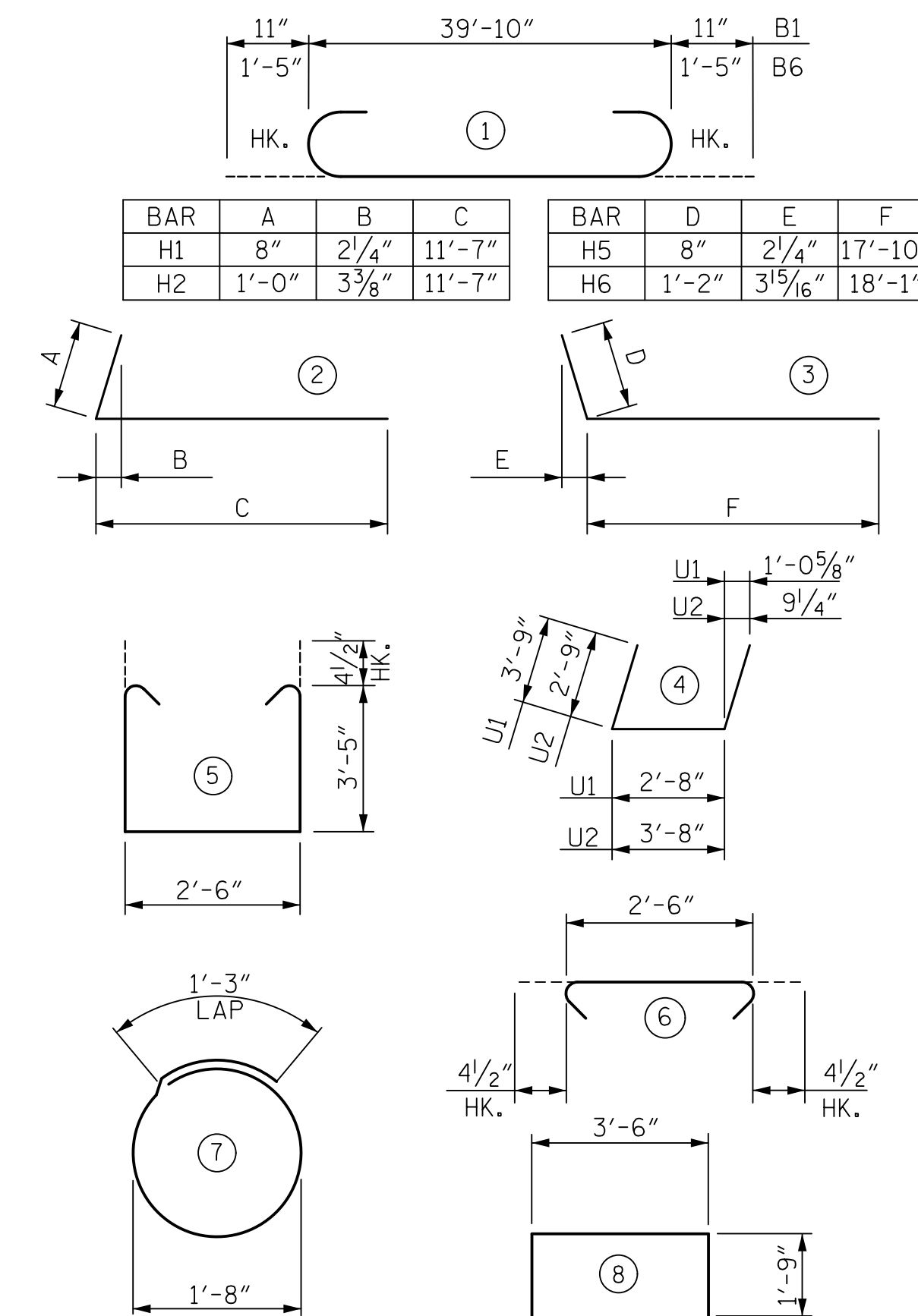
**TEMPORARY DRAINAGE AT END BENT 1**



\* POSITION OF PILE DURING WELDING.

**PILE SPLICE DETAILS**

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT

**BILL OF REINFORCING**

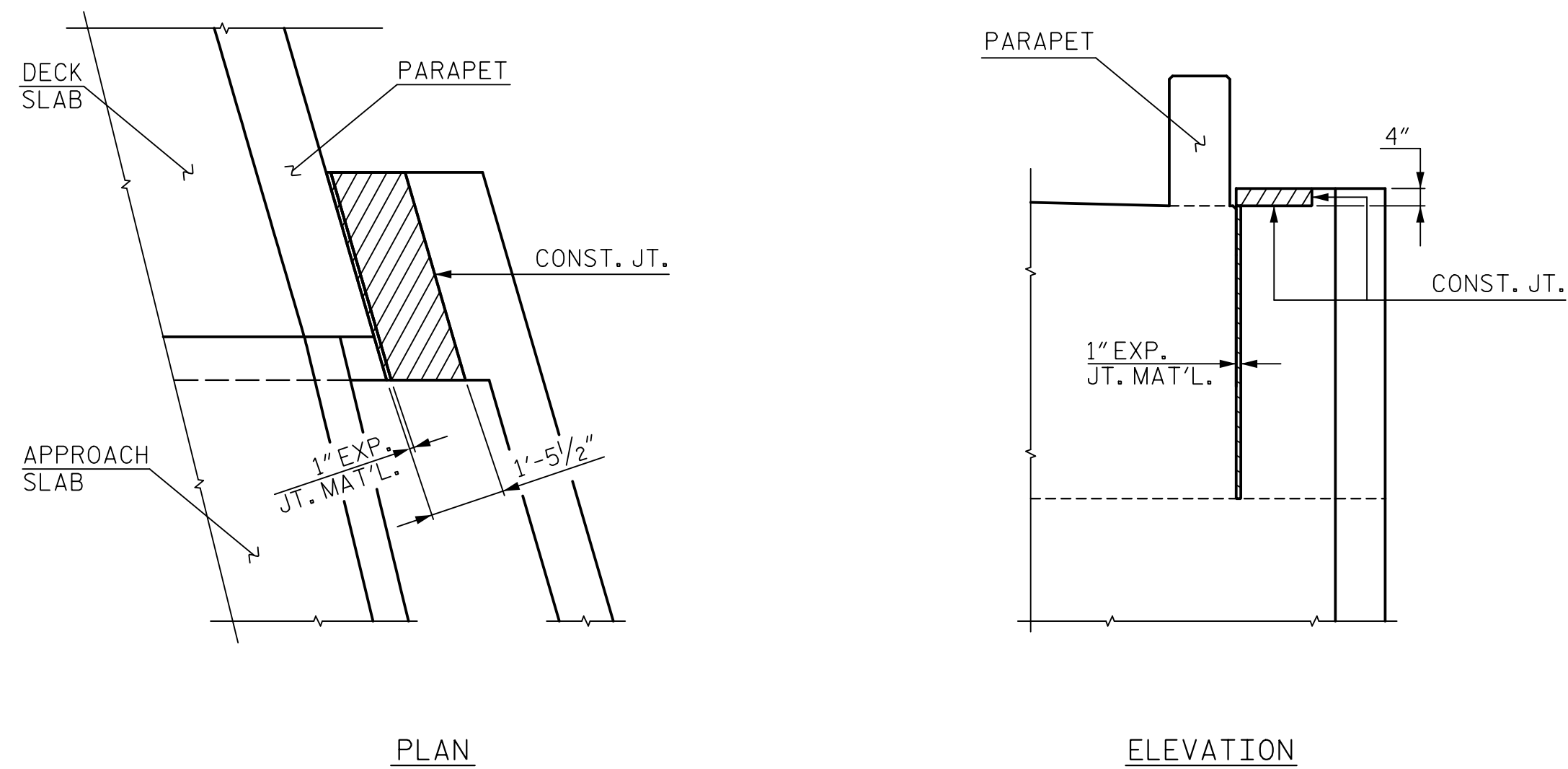
END BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#8	1	41'-8"	668
B2	32	#4	STR.	21'-2"	452
B3	9	#4	STR.	3'-6"	21
B4	6	#4	STR.	9'-0"	36
B5	6	#4	STR.	13'-1"	52
B6	8	#10	1	42'-8"	1,469
D1	56	#5	STR.	6'-5"	375
D2	16	#5	STR.	8'-3"	138
H1	7	#4	2	12'-3"	57
H2	12	#6	2	12'-7"	227
H3	5	#4	STR.	13'-3"	44
H4	9	#6	STR.	13'-0"	176
H5	11	#4	3	18'-6"	136
H6	20	#7	3	19'-3"	787
S1	100	#4	5	10'-1"	674
S2	100	#4	6	3'-3"	217
S3	28	#4	7	6'-6"	122
S4	15	#4	8	7'-0"	70
V1	32	#5	STR.	10'-1"	337
V2	43	#5	STR.	9'-4"	419
U1	7	#5	4	10'-2"	74
U2	7	#5	4	9'-2"	67

**QUANTITIES**

EPOXY COATED REINFORCING STEEL	LBS.	6,618
CLASS AA CONCRETE BREAKDOWN		
POUR 1 - CAP	CU. YDS.	30.9
POUR 2 - WINGS	CU. YDS.	10.5
TOTAL:	CU. YDS.	41.4
HP 12x53 STEEL PILES	NO.	7
	LIN. FT.	525

**NOTES:**

THE TOP SURFACE OF THE END BENT CAP, EXCEPT THE BEARING AREA, SHALL BE RAKED TO A DEPTH OF 1/4".



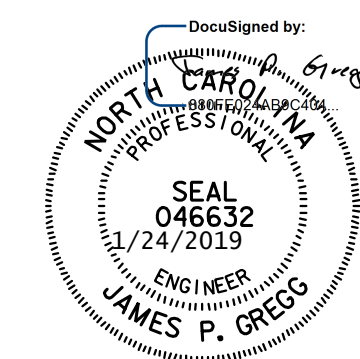
**BLOCKOUT IN WINGWALL**

PROJECT NO. R-5021  
BRUNSWICK COUNTY  
 STATION: POC 390+15.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 END BENT 1  
 RIGHT LANE



**HNTB** HNTB NORTH CAROLINA, P.C.  
 NC License No. C-1554  
 343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY: B. NEUPANE DATE: 8/17  
 CHECKED BY: B. EMAMI DATE: 9/17  
 DESIGN ENGINEER OF RECORD: J. GREGG DATE: 8/18

DWG. NO. 28

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S6-28
1			3			TOTAL SHEETS
2			4			39