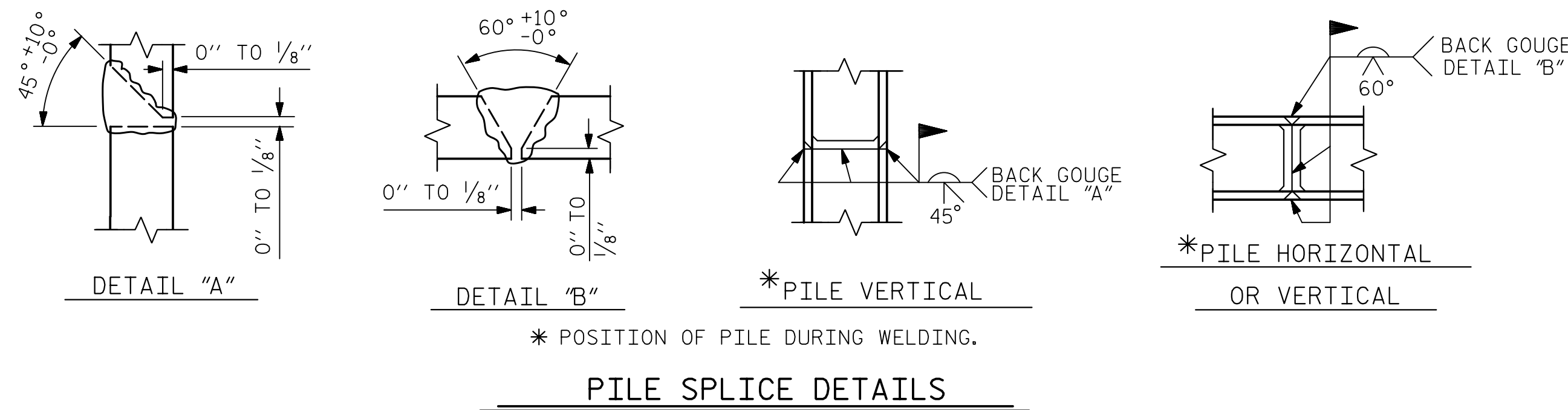


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

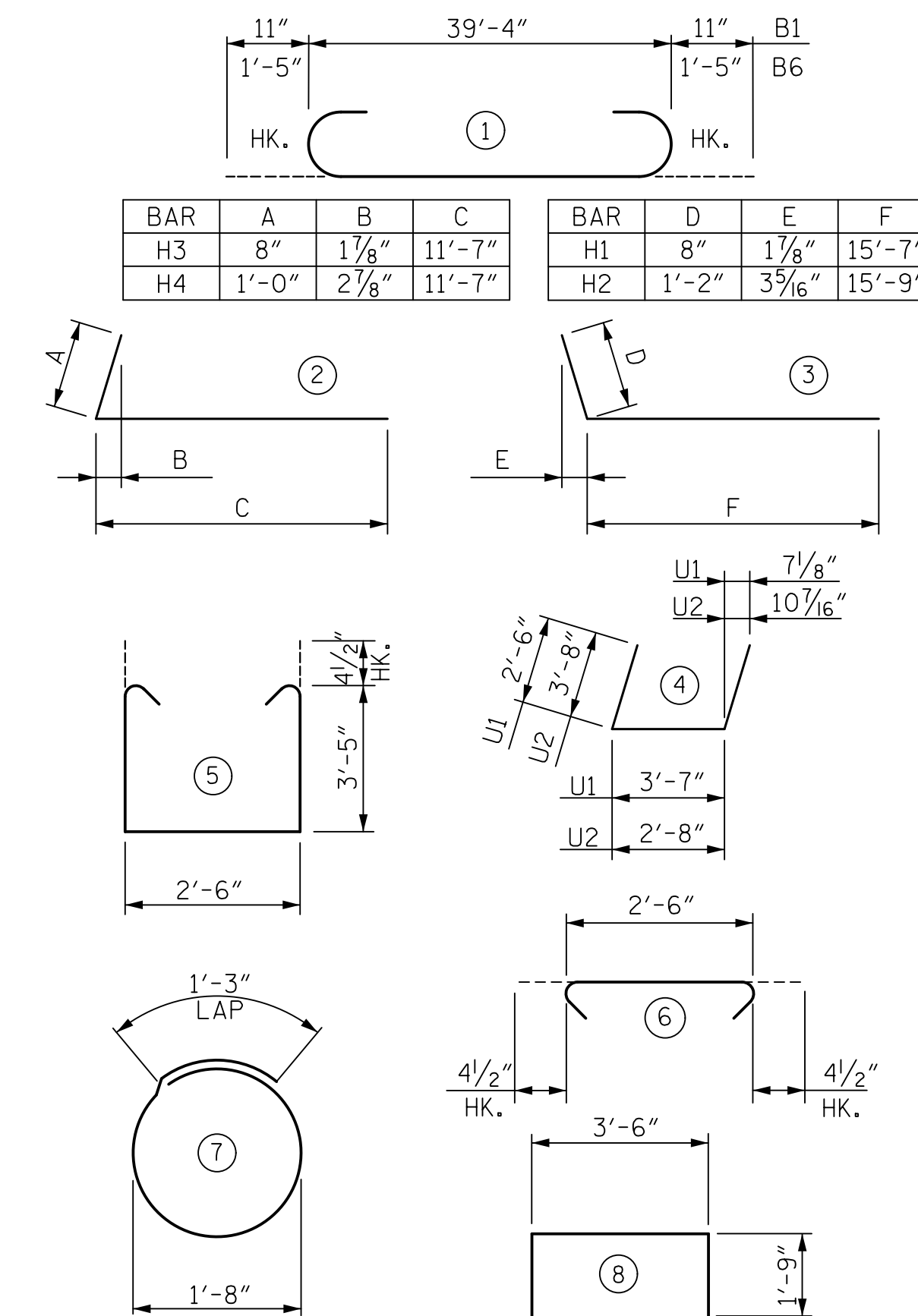
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT 2



PILE SPLICE DETAILS

BAR TYPES



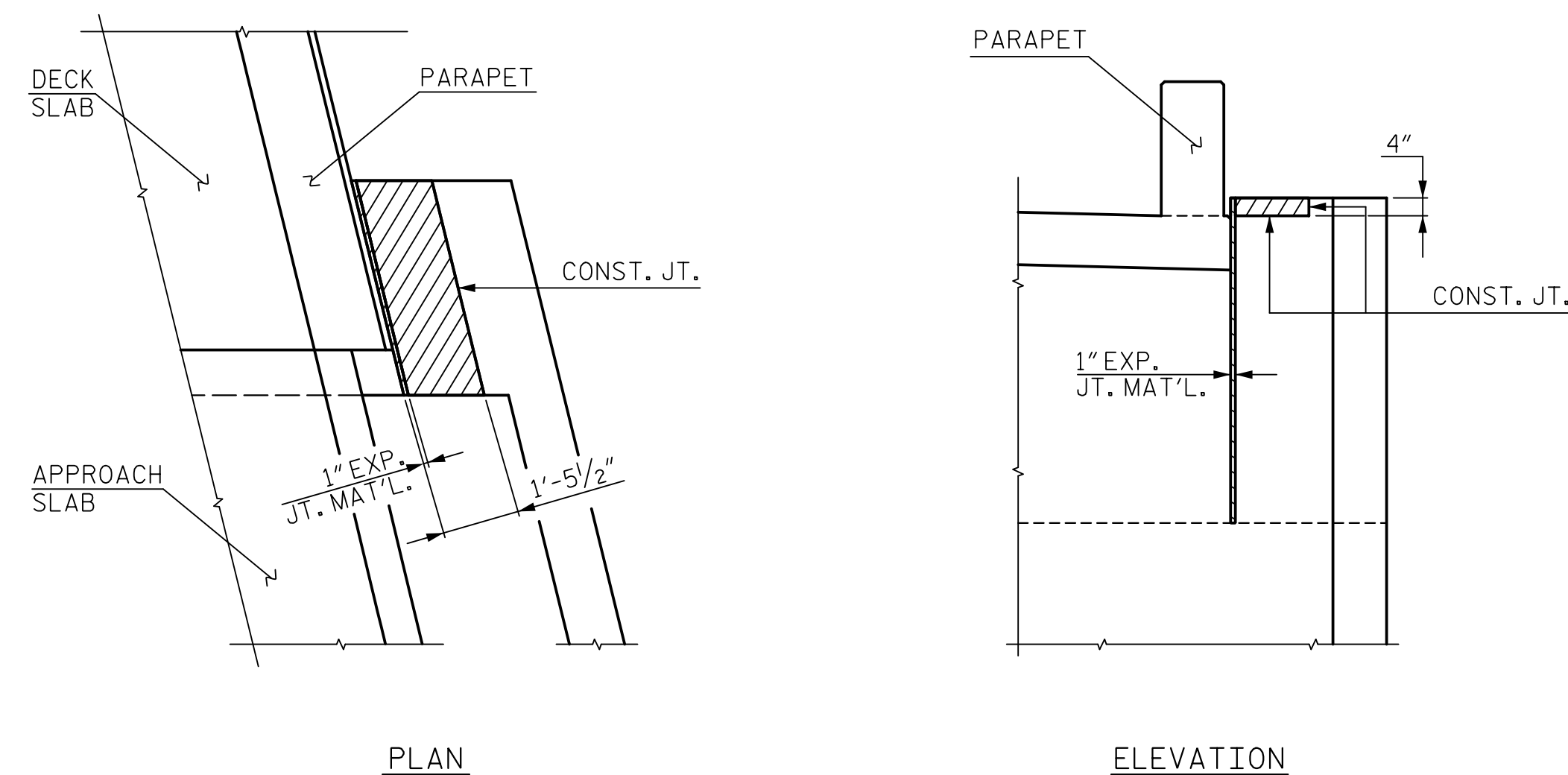
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF REINFORCING

END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#8	1	41'-2"	659
B2	32	#4	STR.	20'-11"	447
B3	9	#4	STR.	3'-6"	21
B4	6	#4	STR.	9'-0"	36
B5	6	#4	STR.	12'-7"	50
B6	8	#10	1	42'-2"	1,452
D1	56	#5	STR.	6'-5"	375
D2	16	#5	STR.	8'-3"	138
H1	11	#4	3	16'-3"	119
H2	20	#7	3	16'-11"	692
H3	7	#4	2	12'-3"	57
H4	12	#6	2	12'-7"	227
H5	4	#4	STR.	13'-0"	35
H6	8	#6	STR.	12'-9"	153
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	38	#5	STR.	10'-1"	400
V2	32	#5	STR.	9'-5"	314
U1	7	#5	4	8'-7"	63
U2	7	#5	4	10'-0"	73
QUANTITIES					
EPOXY COATED REINFORCING STEEL	LBS.	6,394			
CLASS AA CONCRETE BREAKDOWN					
POUR 1 - CAP	CU. YDS.	30.3			
POUR 2 - WINGS	CU. YDS.	10.0			
TOTAL:	CU. YDS.	40.3			
HP 12x53 STEEL PILES	NO.	7			
	LIN. FT.	560			

NOTES:

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



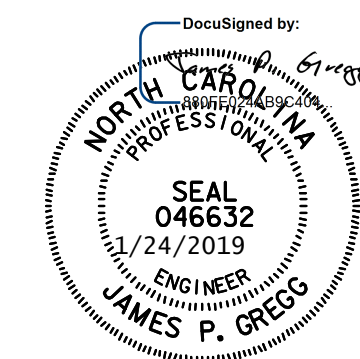
BLOCKOUT IN WINGWALL

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 2
 LEFT 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: A. SMITH	DATE: 6/17
CHECKED BY: B. EMAMI	DATE: 8/17
DESIGN ENGINEER OF RECORD: J. GREGG	DATE: 8/18
DWG. NO. 33	

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S5-33
1			3			TOTAL SHEETS
2			4			39