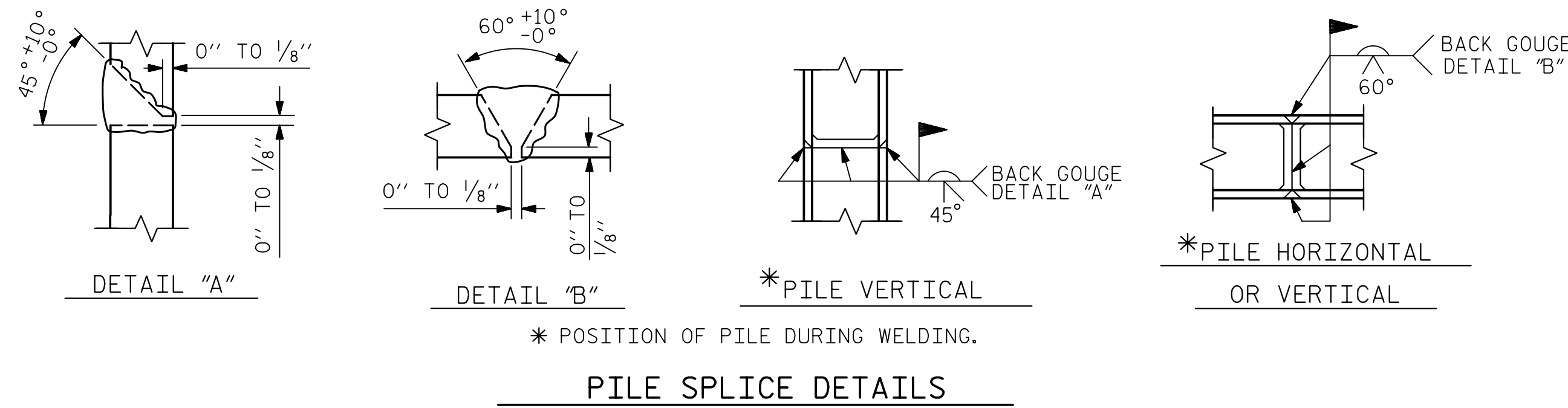


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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

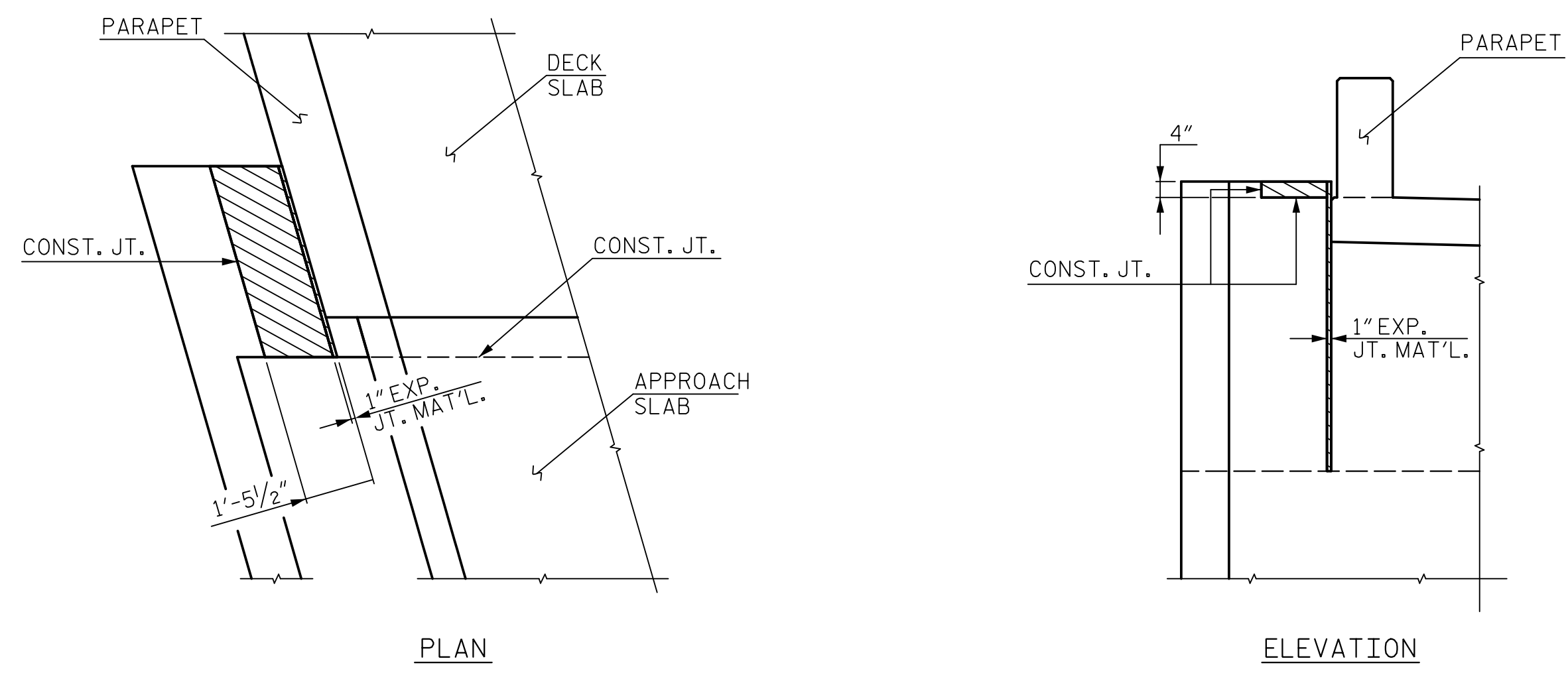


PILE SPLICE DETAILS

BAR TYPES						BILL OF REINFORCING							
						END BENT 1							
BAR	A	B	C	BAR	D	E	F	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	8"	2 1/4"	15'-8"	H3	8"	2 1/4"	11'-8"	B1	6	#8	1	41'-6"	665
H2	1'-2"	3 3/8"	15'-6"	H4	1'-0"	3 5/16"	11'-8"	B2	32	#4	STR.	21'-1"	451
								B3	9	#4	STR.	3'-6"	21
								B4	6	#4	STR.	9'-0"	36
								B5	6	#4	STR.	12'-8"	51
								B6	8	#10	1	42'-6"	1,463
								D1	56	#5	STR.	6'-5"	375
								D2	16	#5	STR.	8'-3"	138
								H1	11	#4	2	16'-4"	120
								H2	20	#7	2	16'-8"	681
								H3	7	#4	3	12'-4"	58
								H4	12	#6	3	12'-8"	228
								H5	4	#4	STR.	13'-3"	35
								H6	8	#6	STR.	13'-6"	162
								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'-6"	317
								U1	7	#5	4	9'-0"	66
								U2	7	#5	4	10'-0"	73
QUANTITIES													
EPOXY COATED REINFORCING STEEL											LBS.	6,423	
CLASS AA CONCRETE BREAKDOWN													
POUR 1 - CAP											CU. YDS.	30.5	
POUR 1 - WINGS											CU. YDS.	10.1	
TOTAL:											CU. YDS.	40.6	
HP 12x53 STEEL PILES											NO.	7	
											LIN. FT.	525	

ALL BAR DIMENSIONS ARE OUT TO OUT

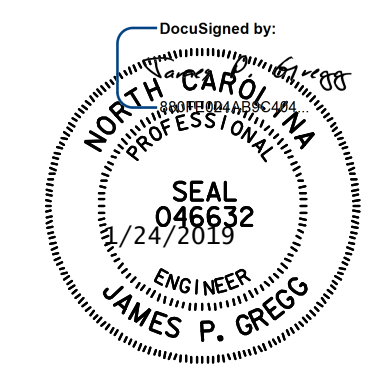
NOTES:
THE TOP SURFACE OF THE END BENT CAP, EXCEPT THE BEARING AREA, SHALL BE RAKED TO A DEPTH OF 1/4".



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
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: B. NELPANE DATE: 6/17
CHECKED BY: B. EMAMI DATE: 8/17
DESIGN ENGINEER OF RECORD: J. GREGG DATE: 8/18

DWG. NO. 28

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S5-28
1			3			TOTAL SHEETS
2			4			39