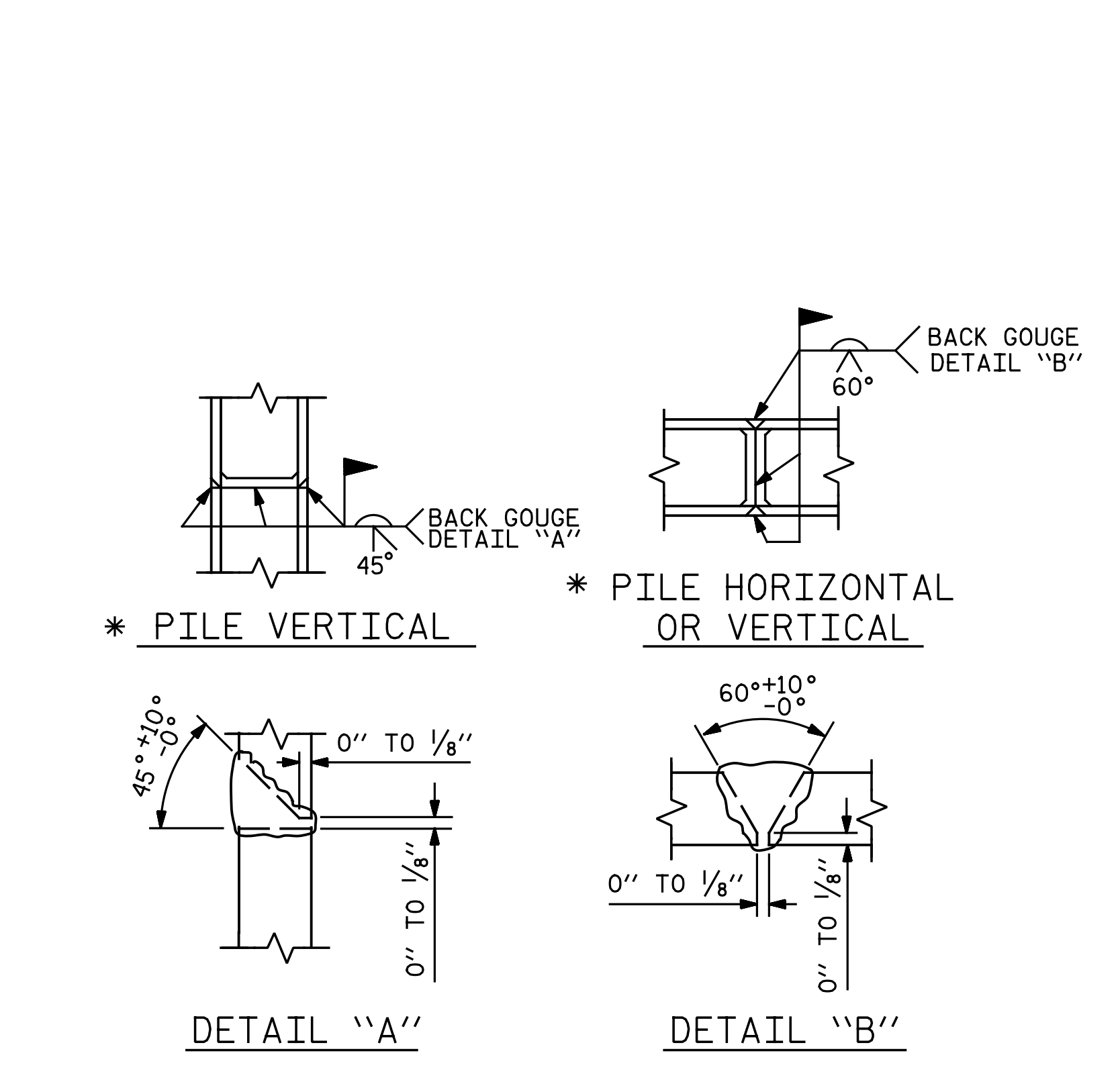


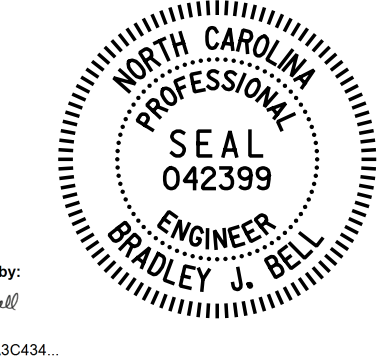
NOTE:
 FOR "MSE REINFORCING STRAP LOAD DETAIL", SEE "END BENT 1 DETAILS" SHEET.



BILL OF MATERIAL											
END BENT 2 (STAGE I)					END BENT 2 (STAGE II)						
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#9	STR.	52'-0"	707	B13	4	#9	STR.	43'-11"	597
B2	5	#9	STR.	46'-10"	796	B14	9	#9	STR.	33'-11"	1,038
B3	4	#9	STR.	45'-6"	619	B15	5	#9	STR.	28'-6"	485
B4	5	#9	STR.	33'-6"	570	B16	5	#9	STR.	26'-9"	455
B5	5	#9	STR.	28'-6"	485	B17	4	#5	STR.	41'-6"	173
B6	40	#5	STR.	47'-7"	1,985	B18	40	#5	STR.	37'-1"	1,547
B7	8	#5	STR.	33'-0"	275	B19	4	#5	STR.	3'-3"	14
B8	4	#5	STR.	3'-3"	14	B20	8	#4	STR.	36'-9"	196
B9	12	#4	STR.	32'-2"	258	B21	10	#4	STR.	9'-8"	65
B10	10	#4	STR.	9'-8"	65	B22	15	#4	STR.	4'-8"	47
B11	15	#4	STR.	4'-8"	47	B23	18	#4	STR.	3'-2"	38
B12	22	#4	STR.	3'-2"	47						
						K3	16	#4	STR.	36'-9"	393
						K4	4	#4	STR.	2'-1"	6
						S14	30	#5	STR.	10'-9"	336
S1	60	#5	STR.	12'-9"	798	S15	81	#5	STR.	3'-6"	296
S2	102	#5	STR.	3'-6"	372	S16	30	#5	STR.	2'-7"	300
S3	60	#5	STR.	11'-7"	725	S17	81	#5	STR.	2'-4"	197
S4	102	#5	STR.	2'-4"	248	S18	27	#5	STR.	11'-9"	331
S5	27	#5	STR.	11'-9"	331	S19	27	#5	STR.	10'-7"	298
S6	27	#5	STR.	10'-7"	298	S20	36	#5	STR.	12'-9"	479
S7	30	#5	STR.	10'-9"	336	S21	36	#5	STR.	11'-7"	435
S8	30	#5	STR.	9'-7"	300	S22	1	#5	STR.	10'-10"	11
S9	1	#5	STR.	10'-10"	11	S23	1	#5	STR.	3'-7"	4
S10	1	#5	STR.	3'-7"	4	S24	1	#5	STR.	9'-8"	10
S11	1	#5	STR.	9'-8"	10	S25	1	#5	STR.	2'-5"	3
S12	1	#5	STR.	2'-5"	3	S26	48	#4	STR.	6'-6"	208
S13	60	#4	STR.	6'-6"	261						
						U3	69	#5	STR.	7'-4"	528
						U4	30	#4	STR.	6'-2"	124
U1	86	#5	STR.	7'-4"	658						
U2	30	#4	STR.	6'-2"	124	V5	76	#5	STR.	7'-10"	621
						V6	62	#5	STR.	7'-4"	474
V1	110	#5	STR.	7'-10"	899	V7	6	#5	STR.	9'-1"	57
V2	62	#5	STR.	7'-4"	474	V8	1	#5	STR.	3'-8"	4
V3	6	#5	STR.	9'-1"	57						
V4	1	#5	STR.	3'-8"	4						

REINFORCING STEEL			LBS. 12,299			REINFORCING STEEL			LBS. 9,770		
CLASS A CONCRETE						CLASS A CONCRETE					
POUR 1 - CAP			C.Y.	55.4	POUR 1 - CAP			C.Y.	43.9		
POUR 2 - BACKWALL			C.Y.	12.6	POUR 2 - BACKWALL			C.Y.	10.2		
TOTAL			C.Y.	68.0	TOTAL			C.Y.	54.1		
PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES			EA.	15	PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES			EA.	12		
HP 12x53 STEEL PILES					HP 12x53 STEEL PILES						
NO.	15		LIN. FT.	1,050	NO.	12		LIN. FT.	840		
PILE REDRIVES			EA.	8	PILE REDRIVES			EA.	6		

PROJECT NO. I-5878
HARNETT COUNTY
 STATION: 1002+79.68 -LREV-
 SHEET 3 OF 3



Designed by: [Signature]
 4/22/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE					
END BENT 2 DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

DRAWN BY: M. D. MAYHEW DATE: 8-14-19
 CHECKED BY: B. J. BELL DATE: 9-17-19

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 Michael Baker Engineering
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SHEET NO. S2-29
 TOTAL SHEETS 34