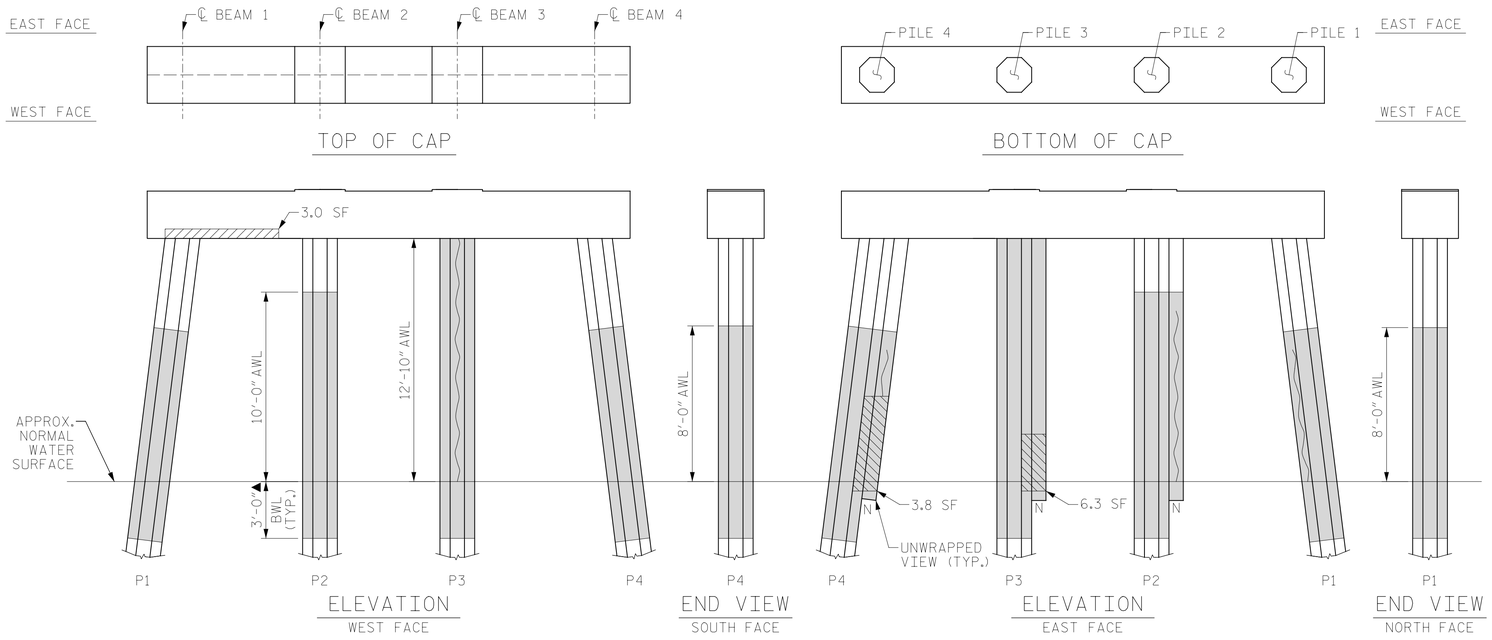
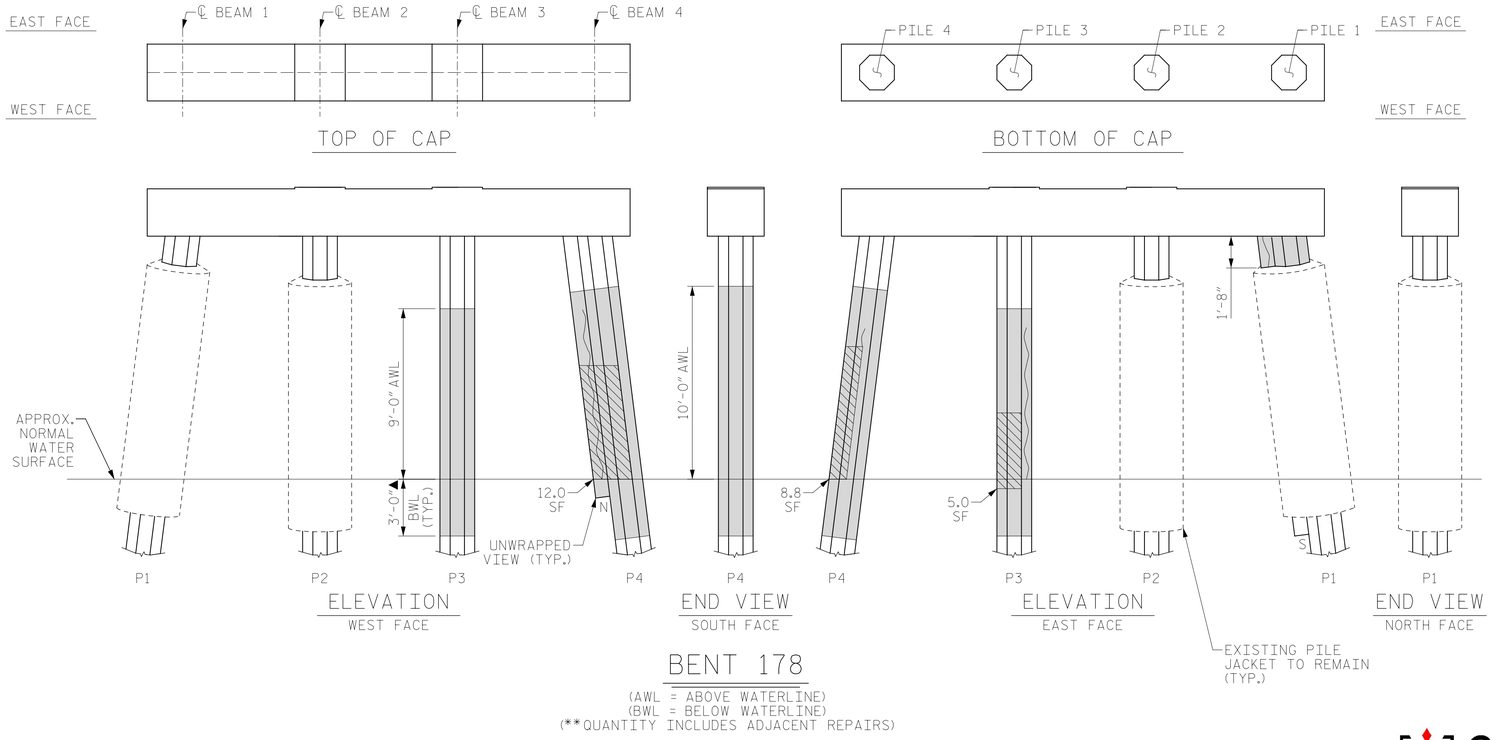


BENT 177

(AWL = ABOVE WATERLINE)
(BWL = BELOW WATERLINE)
(**QUANTITY INCLUDES ADJACENT REPAIRS)



BENT 178

(AWL = ABOVE WATERLINE)
(BWL = BELOW WATERLINE)
(**QUANTITY INCLUDES ADJACENT REPAIRS)

AS-BUILT REPAIR QUANTITY TABLE

BENT 177

CAP REPAIRS				
SHOTCRETE REPAIRS	3.0 SF	1.5 CF	SF	CF
EPOXY RESIN INJECTION	- LF			LF
PILE REPAIRS				
PILE CONCRETE RESTORATION	10.1 SF	4.3 CF	SF	CF
FRP PROTECTIVE SYSTEM AWL	236.9 SF			
FRP PROTECTIVE SYSTEM BWL	73.2 SF			

BENT 178

CAP REPAIRS				
SHOTCRETE REPAIRS	- SF	- CF	SF	CF
EPOXY RESIN INJECTION	- LF			LF
PILE REPAIRS				
PILE CONCRETE RESTORATION	23.1 SF	9.7 CF	SF	CF
FRP PROTECTIVE SYSTEM AWL	115.9 SF			
FRP PROTECTIVE SYSTEM BWL	36.6 SF			

FOR CAP REPAIRS: VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 2" CL. TO SAWCUT. SEE REPAIR DETAILS.

NOTES:

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE CONTRACTOR SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

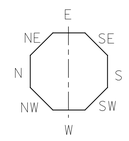
FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIR DETAILS, SEE "TYPICAL CAP, COLUMN & UNDERDECK REPAIR DETAILS" & "PILE CONCRETE RESTORATION DETAILS" SHEETS.

FOR PILE CONCRETE RESTORATION, SEE SPECIAL PROVISIONS.

FOR FRP PROTECTIVE SYSTEM, SEE SPECIAL PROVISIONS.

FOR FRP PROTECTIVE SYSTEM DETAILS AND UNDERWATER MORTAR REPAIRS, SEE "PILE FRP PROTECTIVE SYSTEM DETAILS" SHEET.



▲ FRP PROTECTIVE SYSTEM BELOW WATERLINE MAY INCLUDE APPROVED UNDERWATER MORTAR REPAIRS

ESTIMATED PILE CRACK QTY. TABLE

		NW	W	SW	S	SE	E	NE	N
BENT 177	PILE 1	5	6	-	5	7	6	5	-
	PILE 2	3	-	-	-	8	-	4	9
	PILE 3	6	13	13	-	-	-	9	-
	PILE 4	-	-	4	4	4	4	-	3
BENT 178	PILE 1	-	-	-	2	-	-	-	-
	PILE 2	-	-	-	-	-	-	-	-
	PILE 3	7	3	3	-	2	3	8	6
	PILE 4	4	-	5	5	5	2	-	4

NOTE: FOR INFORMATION ON PILE CONDITION ONLY.

ERI - EPOXY RESIN INJECTION
- FRP PROTECTIVE SYSTEM
- PILE CONCRETE RESTORATION
- SHOTCRETE REPAIRS

PROJECT NO. HB-0017
DARE COUNTY
BRIDGE NO. 270009

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BENT 177 & BENT 178

NORTH CAROLINA PROFESSIONAL SEAL 020208 ENGINEER ERIC B. NELSON JR.

DocuSigned by: Eric B Nelson Jr. 7/14/2022
AC8808211907 4CD...

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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-258
1			3			TOTAL SHEETS
2			4			355

DRAWN BY : T. HARTLEY DATE : 2/2019
CHECKED BY : J. FARNHAM DATE : 4/2019