AS-BUILT REPAIR QUANTITY TABLE

BENT 49

CAP REPAIRS	ESTIMATE			
SHOTCRETE REPAIRS	– SF	– CF	SF	CF
EPOXY RESIN INJECTION	– LF			LF
PILE REPAIRS	ESTIMATE			
PILE CONCRETE RESTORATION	42.8 SF	18.0 CF	SF	CF
FRP PROTECTIVE SYSTEM AWL	182.4 SF			
FRP PROTECTIVE SYSTEM BWL	66.0 SF			

BENT 50

CAP REPAIRS	ESTIMATE			
SHOTCRETE REPAIRS	0.5 SF	0.3 CF	SF	CF
EPOXY RESIN INJECTION	– LF			LF
PILE REPAIRS	ESTIMATE			
PILE CONCRETE RESTORATION	19.5 SF	7.3 CF	SF	CF
FRP PROTECTIVE SYSTEM AWL	176.9 SF			
FRP PROTECTIVE SYSTEM BWL	66.0 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.
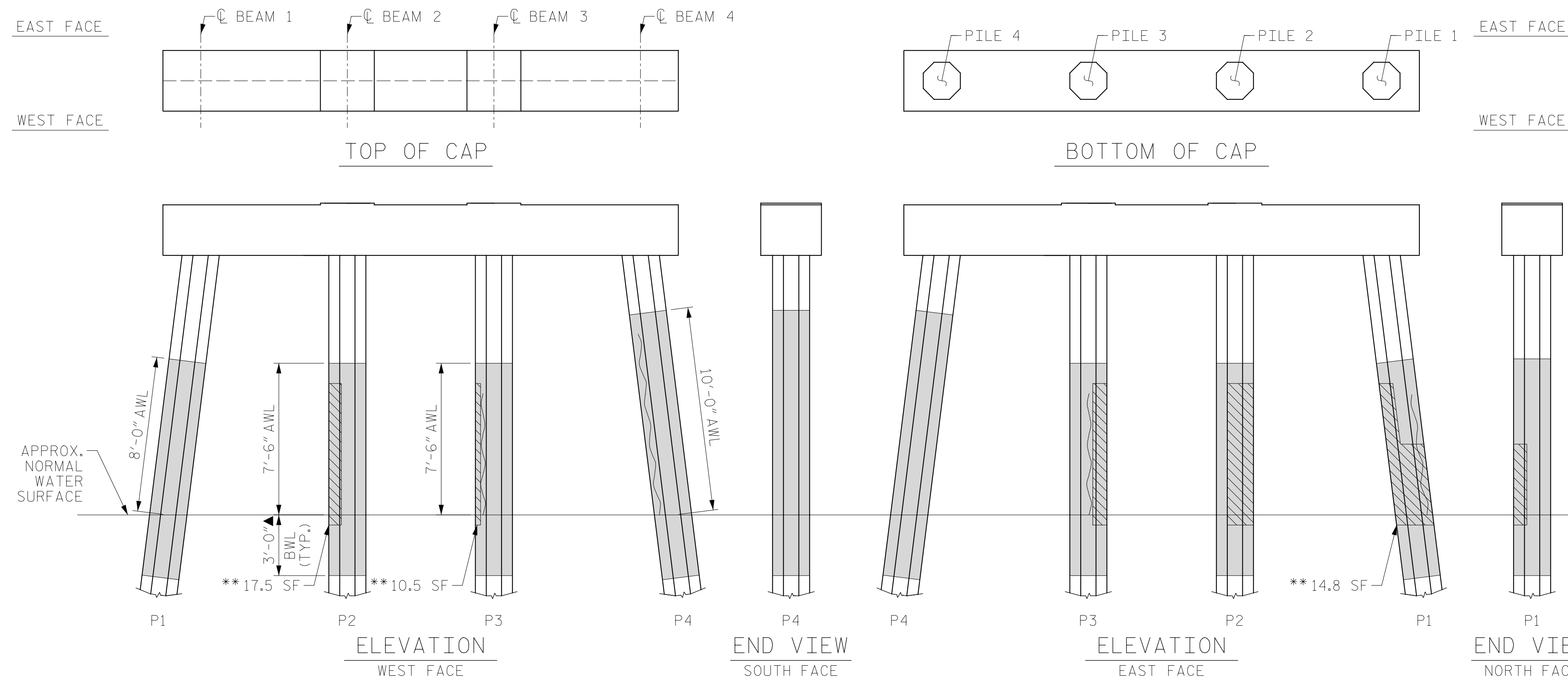
FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

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

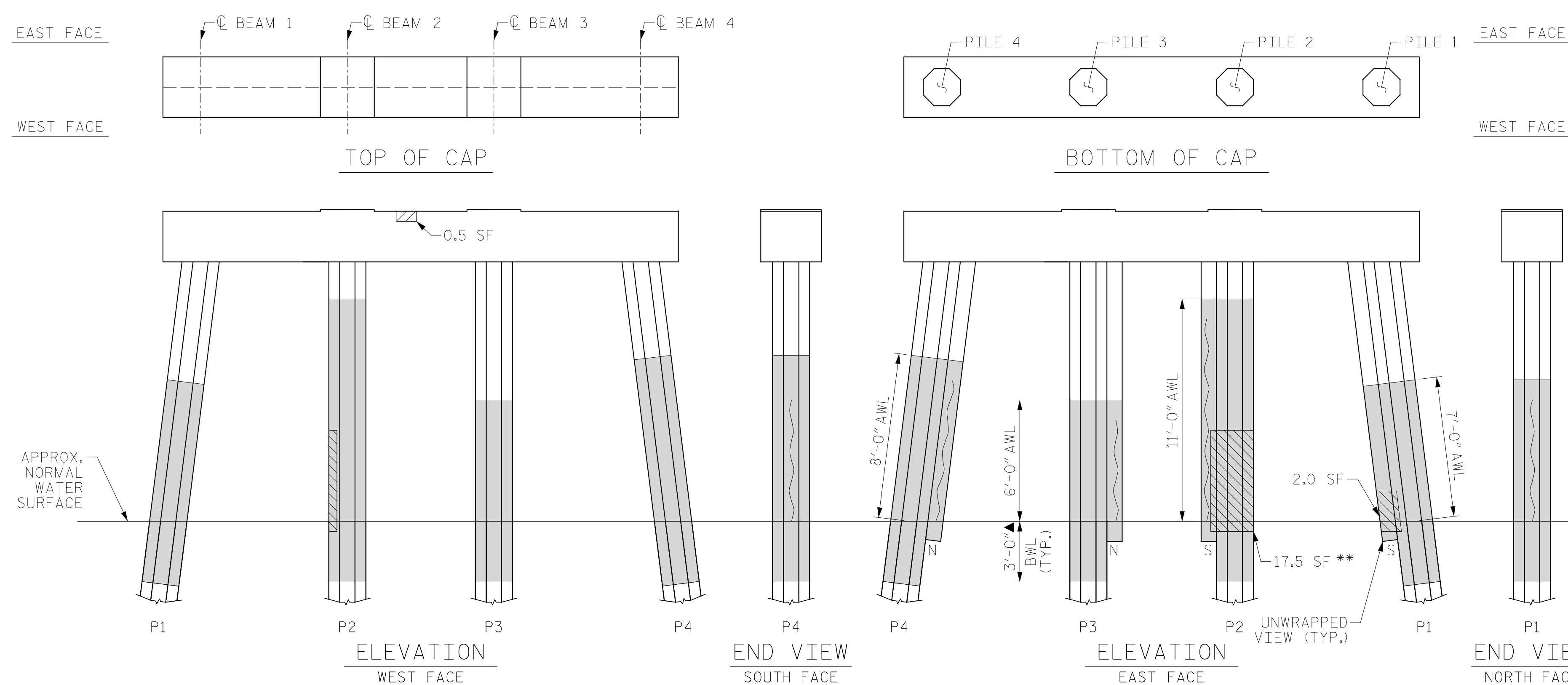FOR PILE CONCRETE RESTORATION, SEE SPECIAL PROVISIONS.

FOR FRP PROTECTIVE SYSTEM, SEE SPECIAL PROVISIONS.

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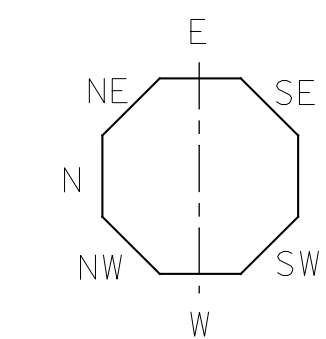
ESTIMATED PILE CRACK QTY.

		NW	W	SW	S	SE	E	NE	N
BENT 49	PILE 1	–	–	–	–	–	–	3	6
	PILE 2	–	–	–	–	–	–	–	–
	PILE 3	6	–	–	–	–	6	–	–
	PILE 4	9	–	–	5	–	–	–	–
BENT 50	PILE 1	–	–	3	–	–	–	–	6
	PILE 2	–	–	–	10	6	–	–	–
	PILE 3	–	–	–	–	–	–	3	5
	PILE 4	–	–	–	10	–	–	–	7

NOTE: FOR INFORMATION ON PILE CONDITION ONLY.

PROJECT NO. HB-0017

DARE COUNTY

BRIDGE NO. 270009

BENT 49

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

TOP OF CAP
BOTTOM OF CAP

ELEVATION — WEST FACE
END VIEW — SOUTH FACE
ELEVATION — EAST FACE
END VIEW — NORTH FACE

BENT 50

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

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

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
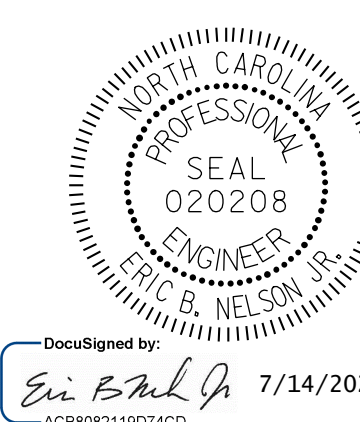
| DRAWN BY : | T. HARTLEY | DATE : 2/2019 |
| CHECKED BY : | R. WERTMAN | DATE : 3/2019 |

REVISIONS					SHEET NO. S-140
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 355
2			4			

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

DocuSigned by: 7/14/2022 ACB0821119D74CD