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	SUMMARY OF PILE (BLANK ENTRIES INDICATE I							
END BENT/ BENT NO. PILE (s) #-# (e.g., "BENT 1, PILES 1-5")	FACTORED RESISTANCE PER PILE TONS	PILE CUT-OFF (TOP OF PILE) ELEVATION FT	ESTIMATED PILE LENGTH PER PILE FT	SCOUR CRITICAL ELEVATION FT	MIN.PILE TIP (TIP NO HIGHER THAN)ELEV FT	RE D RES (RDR) 3		
END BENT 1, PILES 1-4	135	724.47	20					
END BENT 1, PILES 5-8	135	724.47	25					
END BENT 2, PILES 1-4	175	725.56	35					
END BENT 2, PILES 5-8	175	725.56	20					
* PREDRILLING FOR THE CONTRACTOR'S (* * RDR= FACTORED F	PILES IS RE DPTION FOR E RESISTANCE +	QUIRED FOR END ND BENTS/ BEN FACTORED DOW DYNAMIC RESIST	D BENTS/ BENT TS WITH PREDF NDRAY LOAD + TANCE FACTOR	WITH A PRE Rilling info Factored de	DRILLING LE DRMATION BUT EAD LOAD +	NGTH 「NO NORM		
SUMMARY	OF P	DA/P	ILE O 5 not applica	RDER .ble to stru	LENG	ТΗ		
PILE D	RIVING ANAL`	YZER (PDA)		PILE O	RDER LENGTHS	S		
END BENT/ TES BENT NO. YES MA	DA TING T IRED? T GOR YBE	PDA EST PILE LENGTH FT	TOTAL PDA TESTING QUANTITY EACH	ND BENT/ BENT NO(s)	PILE OF LENG BASIS EST OR	RDER TH S * PDA		
* EST=PILE ORDER LI PDA TESTING.FOR GF TESTING,THE FIRST BENT WITH THE PDA.	ENGTHS FROM ROUPS OF END END BENT/ B	ESTIMATED PIL BENTS/BENTS N ENT NO.LISTED	E LENGTHS; PD/ WITH PILE ORD FOR EACH GRO	A=PILE ORDER DER LENGTHS DUP IS THE R	R LENGTHS BA BASED ON PD EPRESENTATI	SED C A VE EN		
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INFORM Em is not ap	MATI PLICABLE TO	TION/ INSTALLATION BLE TO STRUCTURE)								
REQUIRED DRIVING RESISTANCE R) XX PER PILE TONS	TOTAL PILE REDRIVES QUANTITY EACH	PREDRILLING LENGTH PER PILE LIN FT	PREDRILLING ELEVATION (ELEV NOT TO PREDRILL BELOW) FT	MAXIMUM PREDRILLING DIA INCHES	PILE EXCAVATION (BOTTOM OF HOLE)ELEV FT	PILE EXC NOT IN SOIL PER PILE LIN FT	PILE EXC IN SOIL PER PILE LIN FT			
225					708.4	7.2	6.8			
225					702.4	5.1	14.9			
295										
295					704.5	2.6	16.4			

TH AND AT O PREDRILLING LENGTH.

RMAL DOWNDRAG RESISTANCE + NORMAL SCOUR RESISTANCE SCOUR RESISTANCE FACTOR

HS ER

FOUNDATION NOTES:

FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

IT HAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 50,000-75,000 FT.-LBS.PER BLOW WILL BE REQUIRED TO DRIVE PILES AT END BENT NO.2.THIS ESTIMATED ENERGY RANGE DOES NOT RELEASE THE CONTRACTOR FROM PROVIDING DRIVING EQUIPMENT IN ACCORDANCE WITH SUBARTICLE 450-3 (D)(2)OF THE STANDARD SPECIFICATIONS.

STEEL H-PILE POINTS ARE REQUIRED FOR STEEL H-PILES AT END BENT 2. FOR STEEL PILE POINTS, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

D ON END BENT/

		S	UMMARY	OF P	ILE A(1 is not appl	CCESSC icable to str	NRIES	
NOMINAL COUR RESISTANCE PER PILE TONS	SCOUR RESISTANCE FACTOR (DEFAULT=1.00)	END BENT/ BENT NO. PILE (s) #-# (e.g., "BENT 1, PILES 1-5") END BENT 2, PILES 1-4	PIPE PILE PLATES REQUIRED YES OR MAYBE	STEEL PILE POIN PIPE PILE CUTTING SHOES REQUIRED? YES POINTS REQUIRED? YES CONICAL POINTS REQUIRED? YES POINTS REQUIRED? YES		H-PILE POINTS REQUIRED? YES YES	STEEL PILE TIPS REQUIRED? YES	PROJECT NO. <u>R-2707D</u> <u>CLEVELAND</u> COUNTY STATION: 810+00.00 -L-
		TOTAL QTY.				4		
							PESSION THE	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE PILE FOUNDATION TABLES

FOUNDATION TABLES ARE BASED ON THE BRIDGE SUBSTRUCTURE DESIGN AND FOUNDATION NDATIONS SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER (STEPHEN C.CROCKETT,048207) ON 01-04-2023. THE DRIVING EQUIPMENT SETUP QUANTITY (NOT SHOWN IN PILE FOUNDATION TABLES)EQUALS THE NUMBER OF DRIVEN E., THE NUMBER OF PILES WITH A REQUIRED DRIVING RESISTANCE. NEER WILL DETERMINE NEED FOR PDA TESTING WHEN PDA'S MAY BE REQUIRED.

SEAL 13406 KELVING	PILE FOUNDATION TABLES						
Tocursigned by: Take plu. t. ke lunia atala.				(LL)			
4/21 ⁸ 2023780774AF	REVISIONS SHEET NO						
DOCUMENT NOT CONSTDERED	NO. BY:	DATE:	NO.	BY:	DATE:	S8-03	
FINAL UNLESS ALL	1		3			TOTAL SHEETS	
SIGNATURES COMPLETED	2		4			30	
	STR.#8						