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END BENT BENT NO PILE (s) # (e.g., "BENT PILES 1-5	• RES -# PE	ACTORED SISTANCE ER PILE TONS	NCE (TOP OF PI LE ELEVATIO		ESTIMATE PILE LENGI PER PILE FT		NO HIGHER THAN)ELEV	
END BENT 1, PIL	ES 1-7	110	893.25		50		FT	
BENT 1, PILES	1-15	120 873.		30				
END BENT 2, PIL	ES 1-7	110	892.72		50			
* * KDR=		[YNAMIC RES	ISTA	NCE FACTO	<u>+ factored e</u> R DRDER	+	
				IS	NOT APPLI	CABLE TO STR		
	PILE DRIV	IVING ANALYZER (PDA)		TOTAL		PILE (ORDER LENGTH	
END BENT/ BENT NO.	TESTINO REQUIRED YES OR MAYBE)?	PDA TEST PILE LENGTH FT		PDA ESTING JANTITY EACH	END BENT/ BENT NO(s)	PILE OF LENGT BASIS EST OR	
END BENT 1	MAYBE		55					
BENT 1	MAYBE		35 1 55		1			
END BENT 2	MAYBE							
	.FOR GROUF	'S OF END	BENTS/BENT	S WI	[TH PILE O	PDA=PILE ORDE RDER LENGHTS ROUP IS THE F	BASED ON PD	
PDA TESTING. TESTING, THE BENT WITH TH	HE PDA.	OF		T	_	MATI(NOT APPLICAE		
PDA TESTING. TESTING, THE BENT WITH TH	HE PDA. ARY / F/ -# 1, PI	OF		T cate	_	NOT APPLICAE DRYAMIC RESISTANCE	LE TO STRUC NOMINAL DOWNDRAG	
PDA TESTING, TESTING, THE BENT WITH TH SUMM END BENT BENT NO PILE (s) # (e.g., "BENT	HE PDA. ARY -# 1, PI	OF (BLANK EI ACTORED AXIAL LOAD ER PILE	FACTORED DOWNDRAG PER PILE	T cate	FACTORED DEAD LOAD PER PILE	NOT APPLICAE DRYAMIC RESISTANCE	LE TO STRUC NOMINAL DOWNDRAG RESISTANCI PER PILE	
PDA TESTING, TESTING, THE BENT WITH TH SUMM END BENT BENT NO PILE (s) # (e.g., "BENT PILES 1-5	HE PDA. ARY / F/ -# 5″) ES 1-7	OF (BLANK EI ACTORED AXIAL LOAD ER PILE TONS	FACTORED DOWNDRAG PER PILE	T cate	FACTORED DEAD LOAD PER PILE	NOT APPLICAE DRYAMIC RESISTANCE FACTOR	LE TO STRUC NOMINAL DOWNDRAG RESISTANCI PER PILE	
PDA TESTING, TESTING, THE BENT WITH TH SENT WITH TH END BENT BENT NO PILE (S) # (e.g., "BENT PILES 1-5 END BENT 1, PIL	HE PDA. ARY -# 1, Pl 5″) ES 1-7 1-15	OF (BLANK EI ACTORED AXIAL LOAD ER PILE TONS	FACTORED DOWNDRAG PER PILE	T cate	FACTORED DEAD LOAD PER PILE	NOT APPLICAE DRYAMIC RESISTANCE FACTOR 0.60	LE TO STRUC NOMINAL DOWNDRAG RESISTANCI PER PILE	

Stantec License No. F-0672 DRAWN BY : J.E.HAGENBUSH DATE : 05/17/22 DESIGN CHECKED BY : J.KELVINGTON DATE : 11/09/22 OF RECORD: J.KELVINGTON DATE : 04/27/23

Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com

INFORMATION/ INSTALLATION EM IS NOT APPLICABLE TO STRUCTURE)

		PREDRILLING	(ELEV NOT TO	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
REQUIRED DRIVING RESISTANCE RDR) ** PER PILE TONS	TOTAL PILE REDRIVES QUANTITY EACH	PREDRILLING LENGTH PER PILE LIN FT					
185							
200							
185							

AND AT PREDRILLING LENGTH.

NORMAL SCOUR RESISTANCE MAL DOWNDRAG RESISTANCE + SCOUR RESISTANCE FACTOR

IS

FOUNDATION NOTES:

FOR PILES, SEE PILES PROVISION AND SECTION 450 OF THE STANDARD SPECIFICATIONS. OBSERVE A 1 MONTH WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT TO WITHIN 2 FT.OF FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENT 1.FOR BRIDGE WAITING PERIODS,FOR BRIDGE WAITING PERIODS,SEE ROADWAY PLANS AND SECTION 235 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.

TESTING PILES WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING MAY BE REQUIRED. THE ENGINEER WILL DETERMINE THE NEED FOR PDA TESTING WHEN PDA MAY BE REQUIRED.FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

ND BENT/

STALLATION			SUMMARY OF PILE ACCESSORIES (BLANK ENTRIES INDICATE ITEM IS NOT APPLICABLE TO STRUCTURE)						
	1	END BENT/	PIPE PILE	STEEL PILE POINTS			CIEC		
NOMINAL SCOUR RESISTANCE PER PILE TONS	SCOUR RESISTANCE FACTOR (DEFAULT=1.00)		BENT NO. PILE (s) #-# (e.g., "BENT 1, PILES 1-5")	PLATES REQUIRED YES OR MAYBE	PIPE PILE CUTTING SHOES REQUIRED? YES	PIPE PILE CONICAL POINTS REQUIRED? YES	H-PILE POINTS REQUIRED? YES	STEE PILE T REQUIR YES	
			END BENT 1, PILES 1-7						
			BENT 1, PILES 1-15						
			END BENT 2, PILES 1-7				YES		
			TOTAL QTY.				7		

FOUNDATION TABLES ARE BASED ON THE BRIDGE SUBSTRUCTURE DESIGN AND FOUNDATION DATIONS SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER (STEPHEN C.CROCKETT,048207)ON 06-14-2022. 2. TOTAL PILE DRIVING EQUIPMENT SETUP QUANTITY (NOT SHOWN IN PILE FOUNDATION TABLES)EQUALS THE NUMBER OF DRIVEN PILES, I.E., THE NUMBER OF PILES WITH A REQUIRED DRIVING RESISTANCE.

TO STRUCTURE)	
STEEL PILE TIPS REQUIRED? RED? S	
S	PROJECT NO. <u>R-2707D</u>
	CLEVELANDCOUNTY
	STATION: 19+82.46 -Y1-
IS IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	STATION: 13.02.40 TI
,	STATE OF NORTH CAROLINA
	DEPARTMENT OF TRANSPORTATION
	SUBSTRUCTURE
SEAL SEAL SEAL SEAL SEAL	PILE FOUNDATION TABLES
Joseph T. Keln	unaton
4/27/2023 ^{780774AF}	REVISIONS SHEET NO.
DOCUMENT NOT CONSIDE FINAL UNLESS ALL	RED 1 JOTAL SHEETS
SIGNATURES COMPLETE	D 2 4 32