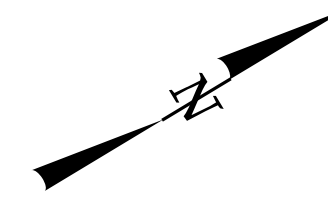


**NOTES:**

- FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT END BENT NO.1 AND END BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 105 TONS PER PILE.
- DRIVE PILES AT END BENT NO.1 AND END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.
- FOR DRILLED PIERS, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 411 OF THE STANDARD SPECIFICATIONS.
- DRILLED PIERS AT BENT NO.1 AND BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 475 TONS PER PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 80 TSF AT BENT NO.1 AND 110 TSF AT BENT NO.2.
- \* PERMANENT STEEL CASINGS MAY BE REQUIRED FOR DRILLED PIERS AT BENT NO.1 LEFT. IF REQUIRED, DO NOT EXTEND PERMANENT CASINGS BELOW ELEVATION 71.5 WITHOUT PRIOR APPROVAL FROM THE ENGINEER. THE ENGINEER WILL DETERMINE THE NEED FOR PERMANENT CASINGS.
- INSTALL DRILLED PIERS AT BENT NO.1 TO A TIP ELEVATION NO HIGHER THAN 63.0 (DP1 - DP3), 65.0 (DP4, DP5) AND 57.0 (DP6 - DP8) WITH THE REQUIRED TIP RESISTANCE.
- INSTALL DRILLED PIERS AT BENT NO.2 TO A TIP ELEVATION NO HIGHER THAN 57.0 (DP1, DP2), 51.0 (DP3 - DP6) AND 66.0 (DP7, DP8) WITH THE REQUIRED TIP RESISTANCE.
- THE SCOUR CRITICAL ELEVATIONS ARE ELEVATION 69.0 (DP1 - DP3), 73.0 (DP4, DP5) AND 68.0 (DP6 - DP8) FOR BENT NO.1 AND ELEVATION 69.0 (DP1, DP2), 67.0 (DP3 - DP6) AND 72.0 (DP7, DP8) FOR BENT NO.2. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.
- DO NOT USE SLURRY CONSTRUCTION FOR DRILLED PIERS AT BENT NO.1 AND BENT NO.2.
- SID INSPECTIONS MAY BE REQUIRED FOR DRILLED PIERS. THE ENGINEER WILL DETERMINE THE NEED FOR SID INSPECTIONS. FOR SID INSPECTIONS, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.
- CSL TUBES ARE REQUIRED AND CSL TESTING MAY BE REQUIRED FOR DRILLED PIERS. THE ENGINEER WILL DETERMINE THE NEED FOR CSL TESTING. FOR CSL TESTING, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.



**FOUNDATION LAYOUT**

DIMENSIONS LOCATING PILES & DRILLED PIERS ARE SHOWN TO THE CENTERLINE OF PILES AND DRILLED PIERS.

PROJECT NO. U-3330  
NASH COUNTY  
 STATION: 61+03.00 -L-  
 SHEET 3 OF 5

DRAWN BY : M. D. M./N. B. S. DATE : 9-19-16  
 CHECKED BY : I. M. GARRISON DATE : 10-20-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:  
  
 61EAF7523943466...  
 2/3/2017

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 Cary, North Carolina 27518  
 NC License No.: F-1084

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
GENERAL DRAWING FOR BRIDGE OVER STONY CREEK ON US-301 BYPASS BETWEEN US-64 BUSINESS AND US-64 BYPASS					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS
					42
					S3-3