



### FOUNDATION LAYOUT

(DIMENSION LOCATING PILES ARE SHOWN TO THE CENTERLINE OF PILES AT BOTTOM OF CAP)

### FOUNDATION NOTES:

- FOR DRILLED PIERS, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.
- DO NOT DEWATER DRILLED PIER EXCAVATIONS AT BENT NO.1 OR BENT NO.2. CLEAN THE BOTTOM OF THE EXCAVATIONS WITH A SUBMERSIBLE PUMP OR AN AIRLIFT. WET PLACEMENT OF CONCRETE IS REQUIRED.
- SLURRY CONSTRUCTION IS REQUIRED FOR DRILLED PIERS AT BENT NO.1 AND BENT NO.2.
- FOR PILES, SEE PILES PROVISION AND SECTION 450 OF THE STANDARD SPECIFICATIONS.
- THE USE OF A LOW OVERHEAD PILE DRIVING SYSTEM USING A HYDRAULIC HAMMER, SUCH AS APE 6-2 OR EQUIVALENT, AND SPLICED PILE SECTIONS IS REQUIRED AT END BENT NO.2 TO AVOID CONFLICTS WITH OVERHEAD HIGH VOLTAGE LINES DURING PILE DRIVING. THIS RECOMMENDED PILE HAMMER DOES NOT RELEASE THE CONTRACTOR FROM PROVIDING DRIVING EQUIPMENT IN ACCORDANCE WITH SUBARTICLE 450-3(D)(2) OF THE STANDARD SPECIFICATIONS.

PROJECT NO. B-5318  
WAKE COUNTY  
 STATION: 19+73.00 -L-  
 SHEET 2 OF 3

**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

STATE OF NORTH CAROLINA  
 PROFESSIONAL ENGINEER  
 ZACHARY BROWN  
 13198  
 9/16/2022

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 GENERAL DRAWING  
 FOR BRIDGE ON SR 2044  
 OVER SMITH CREEK  
 BETWEEN SR 1114 AND US 401

DRAWN BY :	E. JONES	DATE :	JUNE 21
CHECKED BY :	P. O'NEILL	DATE :	JUNE 21
DESIGN ENGINEER OF RECORD:	Z. BROWN	DATE :	JUNE 21

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-2
1			3			TOTAL SHEETS
2			4			41