

FOR PILES SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT No.1 AND END BENT No.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 110 TONS PER PILE.

DRIVE PILES AT END BENT No.1 AND END BENT No.2 TO A REQUIRED DRIVING RESISTANCE OF 185 TONS PER PILE.

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

DRILLED-IN PILES ARE REQUIRED FOR INTEGRAL END BENT No.1 AND END BENT No.2. EXCAVATE HOLES AT PILE LOCATIONS TO ELEVATION 338.4 AT END BENT No.1 AND 345.6 AT END BENT No.2. DRIVE PILES TO THE REQUIRED DRIVING RESISTANCE. FILL THE BOTTOM 3 FT. OF HOLES FOR PILE EXCAVATION WITH CONCRETE OR GROUT AND THE REST OF HOLES WITH CLASS II OR III SELECT MATERIAL THAT MEETS SECTION 1016 OF THE STANDARD SPECIFICATIONS. FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

FOR DRILLED PIERS SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

DRILLED PIERS AT BENT No.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 1005 TONS PER PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 235 TSF.

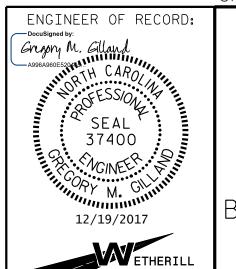
INSTALL DRILLED PIERS AT BENT No.1 TO A TIP ELEVATION NO HIGHER THAN 315.5 WITH THE REQUIRED TIP RESISTANCE AND A PENETRATION OF AT LEAST 7.5 FT. INTO ROCK AS DEFINED BY ARTICLE 411-1 OF THE STANDARD SPECIFICATIONS.

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.

DRILLED PIER EXCAVATIONS AT BENT No.1 WILL EXTEND INTO MATERIAL THAT DETERIORATES WHEN EXPOSED TO THE ELEMENTS.CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE AND PLACE CONCRETE IMMEDIATELY AFTER EXCAVATION IS COMPLETED.

UNLESS ALL SIGNATURES COMPLETER

STATION: 50+61.09 -L-SHEET 2 OF 3 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



1223 Jones Franklin Rd.

Raleigh, N.C. 27606 Bus: 919 851 8077 Fax: 919 851 8107 LICENSE NO. F-0377

GENERAL DRAWING

FOR BRIDGE ON AVIATION PARKWAY (SR 1002) OVER I-40 BETWEEN GATEWAY CENTRE BLVD AND RDU CENTER DRIVE

BY: DATE: NO. BY: DATE: SO1-2 TOTAL SHEETS	REVISIONS				SHEET NO.
3 TOTAL SHEETS	BY:	DATE:	NO. BY:	DATE:	S01-2
1 - 1 - 1 - 1 - 3			3		TOTAL SHEETS
4 6			4		46

_ DATE : <u>10/16</u> _ DATE : 12/16 CHECKED BY : B.C. HUNT

DOCUMENT NOT CONSIDERED FINAL