



FOUNDATION LAYOUT

NOTES

FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT NO. 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 85 TONS PER PILE. DRIVE PILES AT END BENT NO. 1 TO A REQUIRED DRIVING RESISTANCE OF 142 TONS PER PILE.

DRILLED-IN PILES ARE REQUIRED FOR END BENT NO. 1. DRILL AND EXCAVATE HOLES AT PILE LOCATIONS 5 FT. INTO HARD ROCK. FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT NO. 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 85 TONS PER PILE. DRIVE PILES AT END BENT NO. 2 TO A REQUIRED DRIVING RESISTANCE OF 142 TONS PER PILE.

DRILLED-IN PILES ARE REQUIRED FOR END BENT NO. 2. DRILL AND EXCAVATE HOLES AT PILE LOCATIONS 5 FT. INTO HARD ROCK. FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

CONCRETE IS REQUIRED TO FILL HOLES FOR PILE EXCAVATION AT END BENT NO. 1 AND END BENT NO. 2.

AFTER COMPLETION OF DRILLING AND PRIOR TO FILLING THE HOLES WITH CONCRETE, THE WESTERN REGIONAL OFFICE GEOTECHNICAL ENGINEER WILL BE NOTIFIED TO INSPECT THE TIP ELEVATIONS OF EACH PILE EXCAVATED HOLE. DRILLING EQUIPMENT WILL NOT BE MOVED FROM WORK AREA BEING INSPECTED UNTIL TIP ELEVATIONS ARE APPROVED BY THE GEOTECH ENGINEER.

DIFFICULT DRILLING CONDITIONS AT THE END BENTS MAY BE ENCOUNTERED DUE TO BOULDERS AND/OR RUBBLE. SPECIALTY TOOLING OR ADDITIONAL EFFORT MAY BE REQUIRED AND IS THE RESPONSIBILITY OF THE DRILLING CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE MADE BEYOND THE ACCEPTED CONTRACT BID PRICE. SEE SUBSURFACE INVENTORY FOR ADDITIONAL INFORMATION.

PROJECT NO. B-5380
AVERY COUNTY
 STATION: 12+31.30 -L-

SHEET 2 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE OVER
 FALL BRANCH ON SR 1114
 BETWEEN US 19 AND
 NC 194

DRAWN BY: H. T. BARBOUR DATE: 4-15-16
 CHECKED BY: V. X. NGUYEN DATE: 6-16
 DESIGN ENGINEER OF RECORD: A. M. LEE DATE: 7-16

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S-2
2			4			16