



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 105 TONS PER PILE.

DRIVE PILES AT END BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.

DRIVE PILES AT END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.

PILES AT END BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 105 TONS PER PILE.

THE SPREAD FOOTING AT BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 36 TSF.CHECK FIELD CONDITIONS FOR THE REQUIRED RESISTANCE OF 80 TSF JUST BEFORE PLACING CONCRETE.

STEEL H-PILES POINTS ARE REQUIRED FOR STEEL H-PILES AT END BENT NO. 1.FOR STEEL PILE POINTS, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

DRILLED-IN PILES ARE REQUIRED FOR END BENT NO.2, EXCAVATE HOLES AT PILE LOCATIONS TO ELEVATION 731.5 FT.FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

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

FOUNDATION LAYOUT

DIMENSIONS TO PILES ARE SHOWN TO PILE CENTERLINE.
BRACE PILES AT END BENTS SHALL BE BATTERED AT 3:12.

DRAWN BY :	MKO	DATE :	12/2016
CHECKED BY :	JMR	DATE :	12/2016
DESIGN ENGINEER OF RECORD:	MKO	DATE :	12/2016

2/28/2017
R:\Structures\Working DGN\403.003.R2707C.SMU.GD02.S3-2.dgn
oconnor

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

RS&H
RS&H Architects-Engineers-Planners, Inc.
8601 Six Forks Road, Suite 260
Raleigh, NC 27615
919-926-4100 FAX 919-846-9080
www.rsandh.com
North Carolina License Nos. 50793-F-0403-C-28

PROJECT NO. R-2707C
CLEVELAND COUNTY
STATION: 29+07.16 -Y2-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL DRAWING
BRIDGE OVER US 74
(SHELBY BYPASS)
ON SR 1850 BETWEEN
SR 1344 AND SR 1827

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-2
1			3			TOTAL SHEETS
2			4			36