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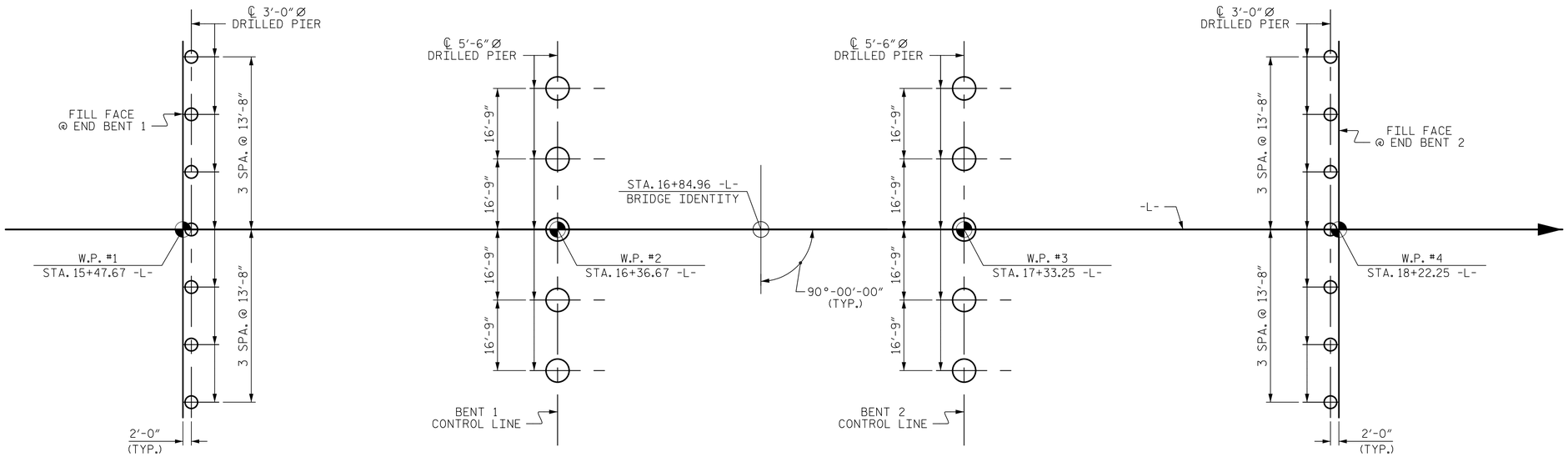

FOUNDATION LAYOUT PLAN

NOTES:

FOR DRILLED PIERS, SEE SECTION 411 OF THE STANDARD SPECIFICIATIONS.

DRILLED PIERS AT END BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 225 TONS PER PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 30 TSF.

INSTALL DRILLED PIERS AT END BENT 1 TO A TIP ELEVATION NO HIGHER THAN -30 FT AND WITH THE REQUIRED TIP RESISTANCE.

DRILLED PIERS AT END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 250 TONS PER PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 30 TSF.

INSTALL DRILLED PIERS AT END BENT 2 TO A TIP ELEVATION NO HIGHER THAN -40 FT AND WITH THE REQUIRED TIP RESISTANCE.

DRILLED PIERS AT BENT 1 AND BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 500 TONS PERS PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 25 TSF AT BENT 1 AND 35 TSF AT BENT 2.

INSTALL DRILLED PIERS AT BENT 1 AND BENT 2 TO A TIP ELEVATION NO HIGHER THAN -45 FT AND WITH THE REQUIRED TIP RESISTANCE.

SPT MAY BE REQUIRED FOR DRILLED PIERS. THE ENGINEER WILL DETERMINE THE NEED FOR SPT. FOR SPT TESTING, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

CSL TUBES ARE REQUIRED AND CSL TESTING MAY BE REQUIRED FOR DRILLED PIERS AT END BENT 1, BENT 1, BENT 2, AND END BENT 2. FOR CSL TESTING. SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

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.

SLURRY CONSTRUCTION IS REQUIRED FOR DRILLED PIERS AT END BENT 1, BENT 1, BENT 2, AND END BENT 2. CAVING OR UNSTABLE SOILS MAY BE ENCOUNTERED ABOVE ELEVATION -15 FT. TEMPORARY CASING MAY BE REQUIRED TO STABLIZE THE HOLES ABOVE THIS ELEVATION.

PROJECT NO. B-5103
NEW HANOVER COUNTY
STATION: 16+84.96 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 1627
OVER ABANDONED RAILROAD
BETWEEN SR CAMPBELL ST.
AND HANOVER ST.

Prepared by
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NC LIC. # C-2243

11/5/2014
NORTH CAROLINA PROFESSIONAL SEAL 038447 ENGINEER ANDREW S. MILLER
DocuSigned by:
Andrew S. Miller
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-2
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : M. K. TOM DATE : 7/10/14
CHECKED BY : G. L. HAMILTON DATE : 9/9/14
DESIGNED BY : M. K. TOM DATE : 7/2/14

11/5/2014
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