


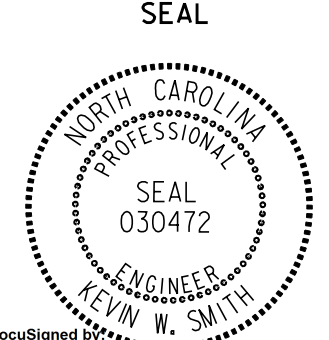
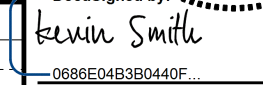
NOTES

1. INSTALL A MINIMUM OF THREE (3) GROUNDING ELECTRODES SPACED A MINIMUM OF 10 FEET APART. ENSURE THAT EXISTING UNDERGROUND FACILITIES ARE NOT DAMAGED DURING INSTALLATION.
2. TEST GROUNDING SYSTEM USING AN APPROVED METHOD. SYSTEM SHOULD MEASURE TWENTY (20) OHMS OR LESS. ADDITIONAL GROUNDING ELECTRODES SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER TO MEET THIS REQUIREMENT.
3. EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
6. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO "EQUIPMENT GROUND".
7. INSTALL CONDUIT BETWEEN DISCONNECT AND CABINET.
8. ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO CABINET.

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 Plans Prepared For: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Transportation Systems Section 250 N. Greenfield Place, Garner, NC 27529	NC-295 FAYETTEVILLE OUTER LOOP ITS DMS ELECTRICAL SERVICE AND GROUNDING		SEAL  KEVIN W. SMITH ENGINEER SEAL 030472
	DIVISION 06 CUMBERLAND COUNTY		
PLAN DATE: JUNE 2016 PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH		DocuSigned by:  KEVIN W. SMITH SIGNATURE DATE: 6/30/2016 CADD Filename:
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