



NOTES

1. INSTALL A MINIMUM OF THREE (3) GROUND RODS 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 GROUND RODS 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".
5. EXOTHERMICALLY WELD THE SERVICE POLE GROUND WIRE TO THE GROUND ROD SYSTEM.
6. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
7. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO "EQUIPMENT GROUND".
8. INSTALL RIGID GALVANIZED STEEL CONDUIT (MINIMUM 1") BETWEEN METER AND CABINET.
9. SERVICE DISCONNECT GROUND BUS BAR SHALL PROVIDE FOR 2 #4 AWG CONNECTIONS.

Prepared in the Offices of:

122 N. McDowell St., Raleigh, NC 27603

SCALE: 0 N/A

DYNAMIC MESSAGE SIGN AND ELECTRICAL SERVICE GROUNDING TYPICAL DETAIL			
PLAN DATE: MARCH 2004	REVIEWED BY: T. G. PARKER		
PREPARED BY: J. HOOKER	REVIEWED BY: G.A. FULLER		
REVISIONS	INIT.	DATE	

SEAL

SEAL 023919 ENGINEER GREGORY A. FULLER

Signature: Gregory A. Fuller
Date: 3/10/04

CADD FILE NAME

5/8" X 10' MIN. COPPER CLAD STEEL GROUNDING ELECTRODES, 10'-20' APART