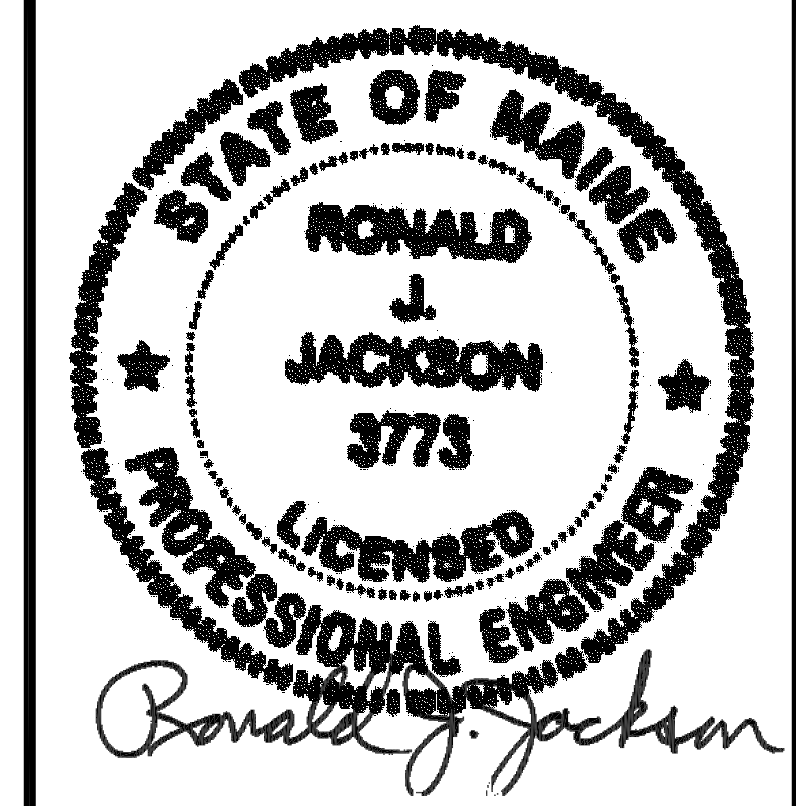


APPLICANT:



CELLCO PARTNERSHIP d/b/a  
VERIZON WIRELESS  
118 FLANDERS ROAD, 3RD FLOOR  
WESTBOROUGH, MA 01581



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DRAWING SCALES ARE INTENDED FOR 24"x36" SIZE PRINTED MEDIA ONLY. ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS

REV	DATE	DESCRIPTION	BY
A	01/20/16	FOR REVIEW	JM
B	06/23/16	REVISED PER SA	JM

SITE INFO:

SITE NAME:  
**PORTLAND\_12\_ME**  
LOCATION CODE:  
**136569**  
SITE ADDRESS:  
**188 WARREN AVENUE  
PORTLAND, ME 04103  
CUMBERLAND COUNTY**

SHEET TITLE:

**GROUNDING PLAN,  
DETAILS & NOTES**

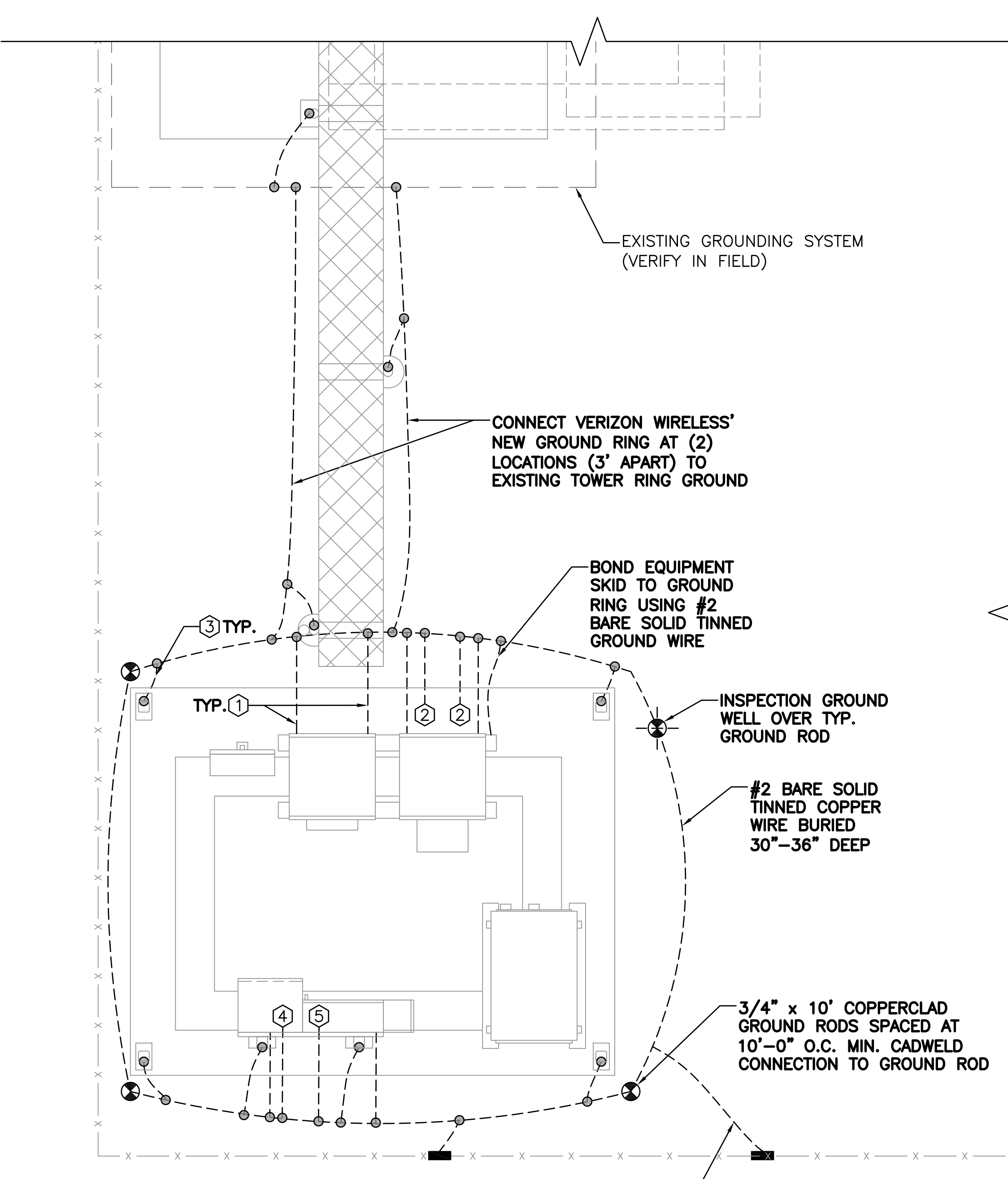
NEXIUS PROJ. NO:  
**VZ11509**

SHEET NUMBER:

CHECKED BY:  
MS

**E-3**

CHECKED BY DATE:  
01/12/16



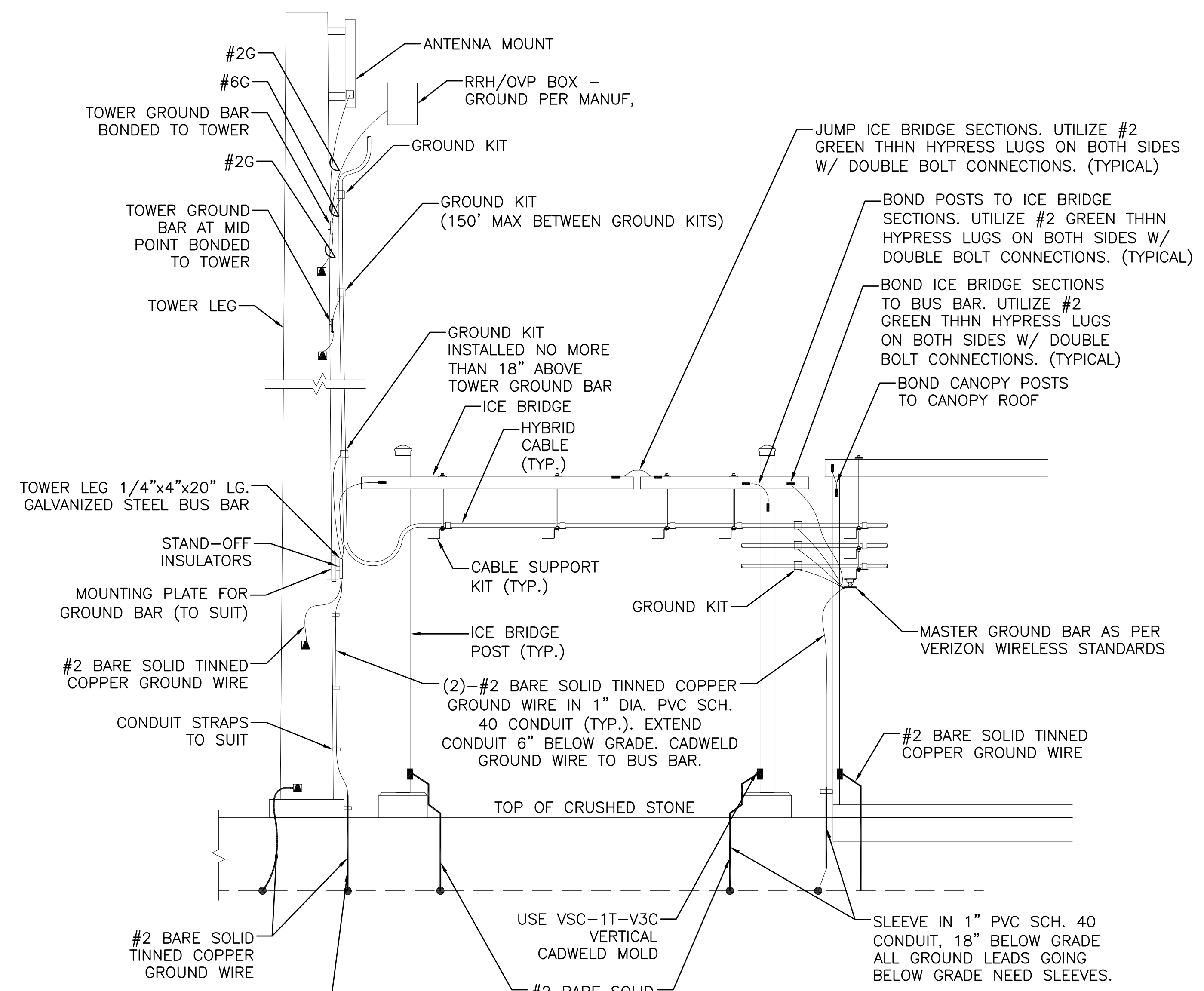
**1 GROUNDING PLAN**  
SCALE: N.T.S.

**GROUNDING CONNECTIONS**

- ① EQUIPMENT CABINET GROUND WIRE, #2 BARE SOLID TINNED COPPER GROUND WIRE, (2) PER CABINET. FASTENED TO CONCRETE PAD.
- ② MASTER BUS BAR, (2) #2 BARE SOLID TINNED COPPER GROUND WIRE.
- ③ ICE BRIDGE POST & CANOPY POST GROUND, #2 BARE SOLID TINNED COPPER GROUND WIRE.
- ④ INTERIOR TELCO CABINET EGB, #2 BARE SOLID TINNED COPPER GROUND WIRE
- ⑤ MAIN DISCONNECT SWITCH GROUND #2 BARE TINNED COPPER GROUND WIRE.

- LEGEND**
- ⊗ 3/4" X 10' COPPERCLAD GROUND ROD SPACED AT 10' O.C. MIN. CADWELD CONNECTION TO GROUND ROD
  - VERTICAL CADWELD MOLD
  - CADWELD CONNECTION
  - ⊕ INSPECTION WELL SEE DETAIL DWG
  - ▲ CADWELD CONNECTION TO TOWER

- NOTES**
- ALL ENDS OF CONDUIT SHALL BE SEALED WITH A FOAM SEALANT AFTER WIRES AND CABLES ARE INSTALLED.
  - ALL EQUIPMENT GROUND LEADS, CORNER GROUNDS, EXTERIOR GROUND BAR, TO BE #2 TINNED SOLID TO GROUND RING.
  - IF EXISTING GROUND RING IS ACCIDENTALLY BROKEN DURING CONSTRUCTION IT SHALL BE RECONNECTED VIA CADWELD.



NOTE: ALL BELOW GRADE GROUNDS TO BE SEALED W/ SEALTIGHT TO 18" BELOW GRADE (TYPICAL). FILL OPENINGS W/ CLEAR SILICONE CAULKING.

**NOTES:**

- CONTRACTOR SHALL ADD ADDITIONAL GROUND RODS & CONDUCTORS OR APPROVED GROUND ENHANCING MATERIAL TO ACHIEVE LESS THAN 5 OHMS RESISTANCE TO GROUND.
- MAXIMUM VERTICAL/HORIZONTAL DISTANCE BETWEEN CABLE GROUNDING KITS SHALL NOT EXCEED 150 FEET. INSTALL ADDITIONAL KITS AS REQUIRED BY FIELD CONDITIONS.
- GROUND ALL EQUIPMENT AT ANTENNAS AS REQUIRED BY MANUFACTURER.

**2 GROUNDING RISER DIAGRAM**  
SCALE: N.T.S.