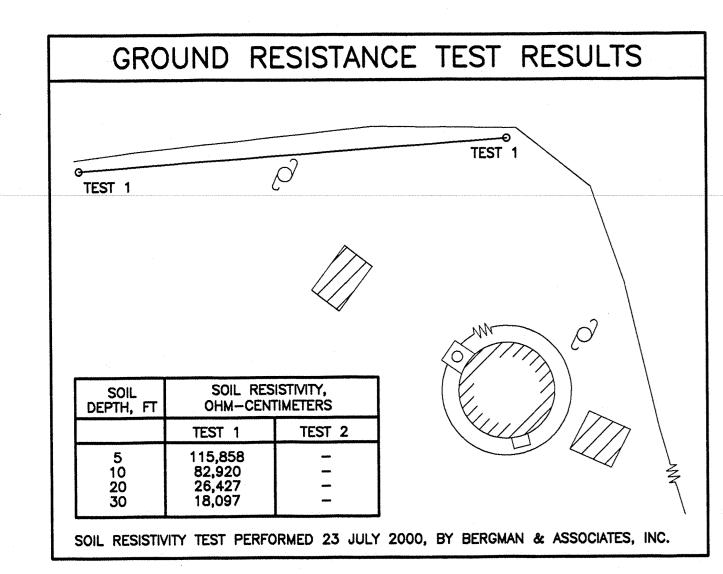
## GROUNDING NOTES

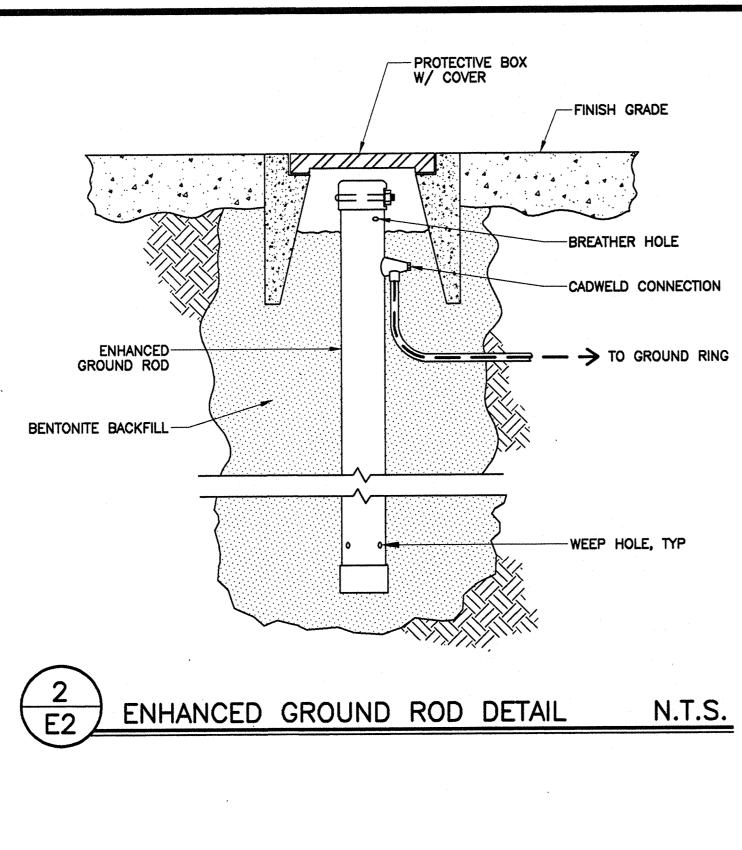
- 1. ALL DOWN CONDUCTORS AND GROUND RING CONDUCTOR SHALL BE #2 AWG, SOLID, BARE, TINNED COPPER, UNLESS OTHERWISE NOTED. ALL CONNECTIONS TO GROUND RING SHALL BE EXOTHERMICALLY WELDED. CONDUCTOR SHALL BE AT A MINIMUM DEPTH BELOW GRADE OF 30 INCHES OR TO LEDGE. MINIMUM BEND RADIUS SHALL BE 8 INCHES. CONDUCTOR SHALL BE AT LEAST 24 INCHES FROM ANY FOUNDATION, UNLESS OTHERWISE
- 2. GROUND RODS SHALL BE HARGER, LYNCOLE, OR ALLTEC ENHANCED GROUND ROD, AND SHALL BE INSERTED INTO AUGURED 8" HOLES AND BACKFILLED WITH BENTONITE. IF REQUIRED, CORE ROCK TO INSERT GROUND ROD.
- 3. ELECTRICAL SERVICE GROUND ROD SHALL BE COPPER CLAD STEEL, HARGER, T&B, ERICO, OR EQUIVALENT.
- 4. WHERE MECHANICAL CONDUCTOR CONNECTIONS ARE SPECIFIED, BOLTED, COMPRESSION-TYPE CLAMPS OR SPLIT-BOLT TYPE CONNECTORS SHALL BE USED.
- 5. GRIND OFF GALVANIZING IN AFFECTED AREA. EXOTHERMICALLY WELD #2 CONDUCTOR AT 6 INCHES ABOVE GRADE OR FOUNDATION, WHICHEVER IS HIGHER. COLD—GALV AFTER. EXOTHERMICALLY WELD OTHER END TO GROUND.
- 6. BOND GATE POST TO ADJACENT FENCE POST, 6 INCHES ABOVE GRADE, WITH THOMPSON #503 FLEX BONDING CABLE OR EQUIVALENT.
- 7. GROUND CONDUCTORS ON EXTERIOR WALL OF SHELTER SHALL BE ENCASED IN 3/4" PVC CONDUIT TO GRADE. MOUNT PVC WITH GALVANIZED "C" CLAMPS. SEAL TOP ENDS.
- 8. INSTALL GROUNDING KITS AT ANTENNA CENTERLINE, AND WATER TANK EXIT POINTS. RUN CONDUCTOR DOWN WATER TANK, SECURED TO COAX MOUNTING BRACKET. TIE INTO GROUNDING SYSTEM. GROUND COAX LINES.
- 9. GRIND OFF PAINT IN AFFECTED AREA. EXOTHERMICALLY WELD #2 CONDUCTOR AT 6 INCHES ABOVE GRADE OR FOUNDATION, WHICHEVER IS HIGHER. TOUCH UP PAINT AFTER. EXOTHERMICALLY WELD OTHER END TO GROUND.
- 10. CONTRACTOR SHALL HAND-DIG IN AREAS AROUND EXISTING STRUCTURES.
- 11. FOLLOWING COMPLETION OF WORK, CONDUCT GROUND TEST. SUBMIT WRITTEN TEST RESULTS TO PROJECT MANAGER.
- 12. PASS INTERIOR GROUND LEAD THROUGH PENETRATION IN SHELTER WALL. SEAL OPENING AFTER INSTALLATION.
- 13. ALL GROUNDING WORK SHALL COMPLY WITH CARRIER(S) STANDARDS.

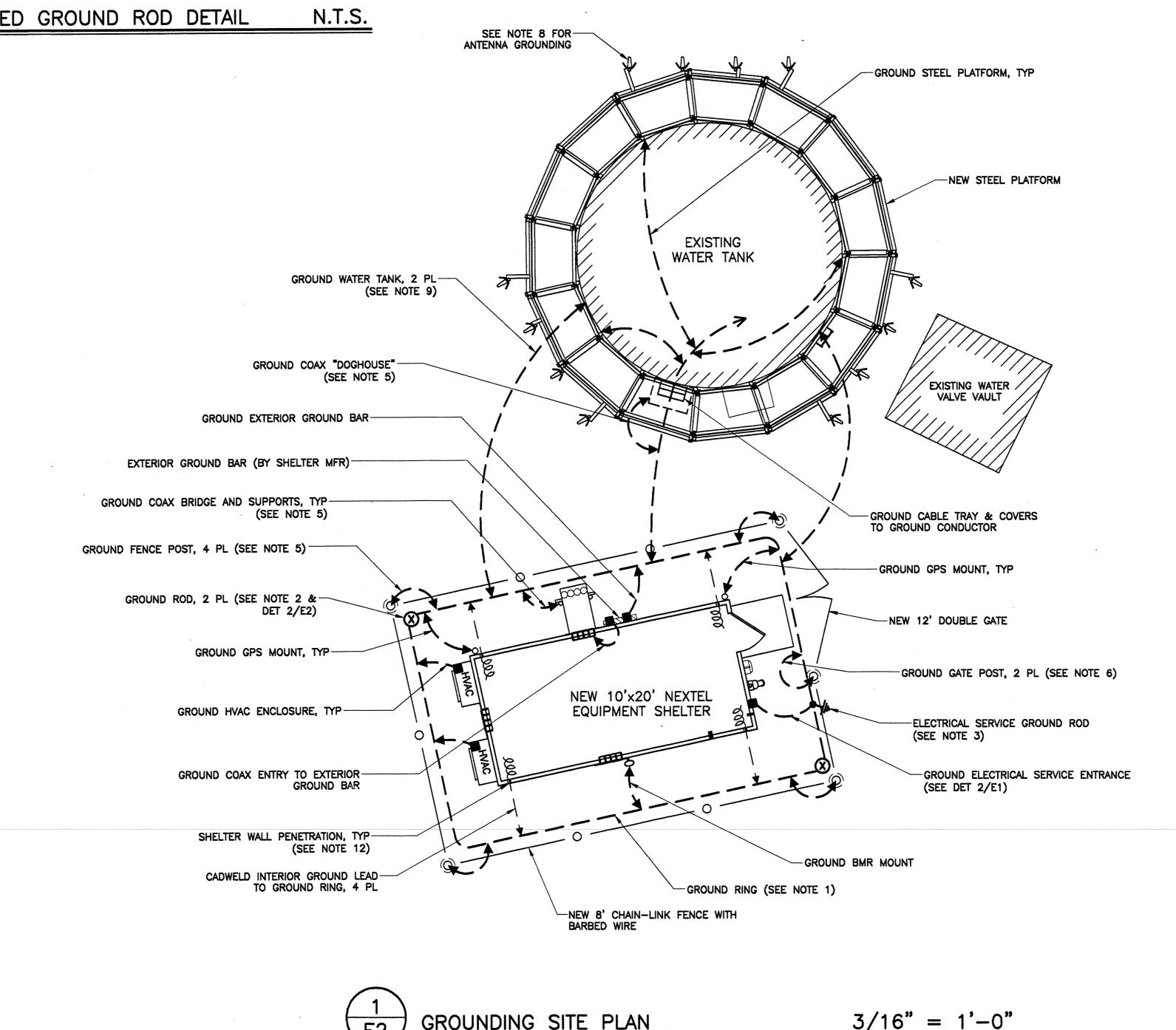
GROUNDING LEGEND					
SYMBOL	BOL DESCRIPTION				
• •	EXOTHERMIC WELD (CADWELD)				
	GROUND CONDUCTOR				
	MECHANICAL CONNECTION				
<del></del> o <del></del>	CHAIN-LINK FENCE				
<b>†</b>	GROUND ROD EXOTHERMICALLY WELDED TO GROUND RING				
	INTERIOR GROUND LEAD				
⊗	ENHANCED GROUND ROD (CADWELDED TO GROUND RING)				

GROUND	ROD	SCHEDULE		
JND SYSTEM:	FNH	ANCED	GROUND	ROI

SIZE: 20'



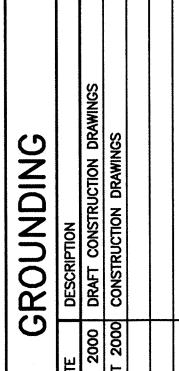


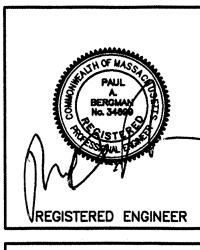


GROUNDING SITE PLAN

3/16" = 1'-0"

rgman





DRAWN BY: M. DEFORGE

CHECKED BY: P. BERGMAN

MARION W/T MARION, MA MA-0884 B

SHEET 10 OF 10