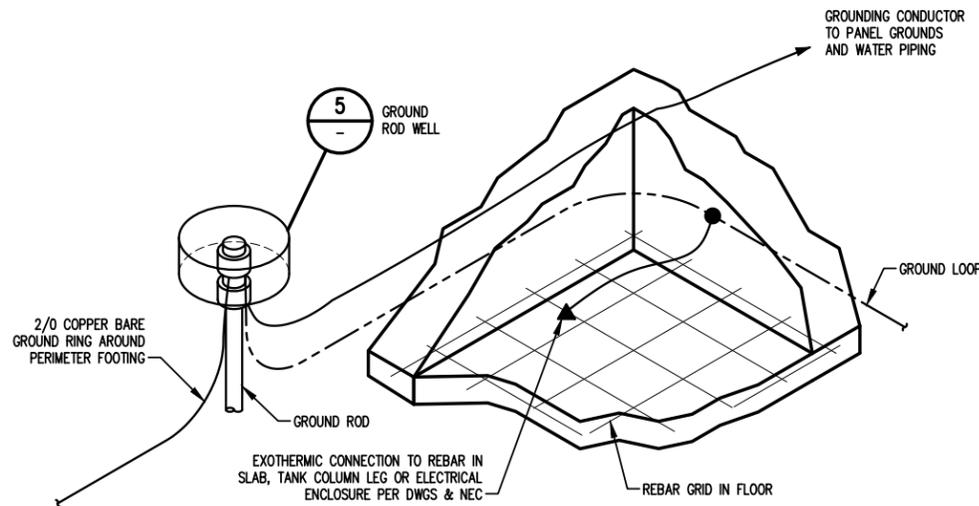
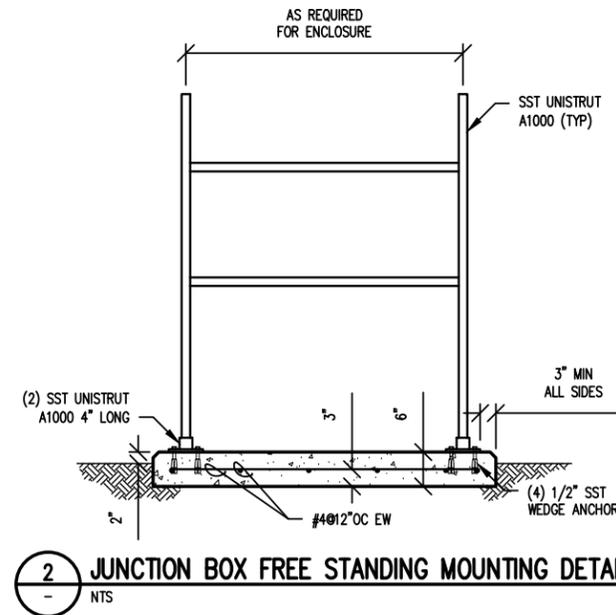
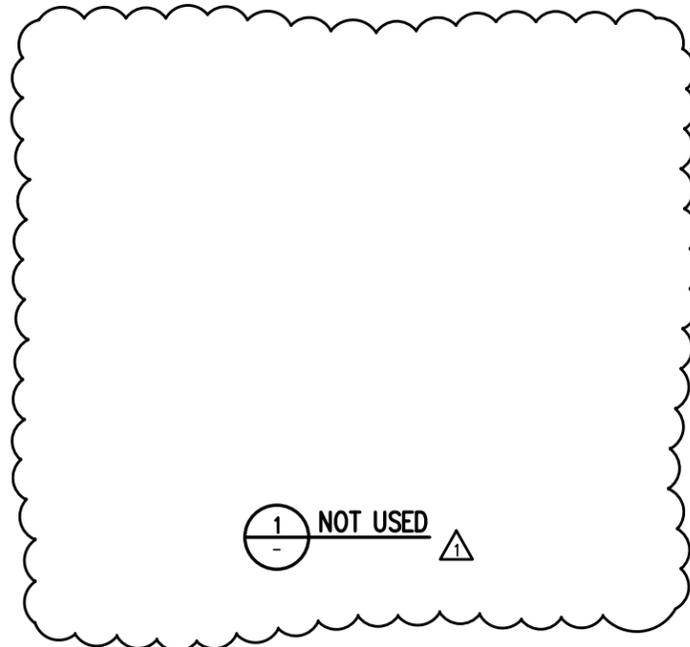




LOCATION: W:\Bennett, Town of\BENN-15-0176 - WATER STORAGE TANK\E4-01.dwg PLOTTED: 6/2/2016 2:38 PM BY: Keith P. Rindt



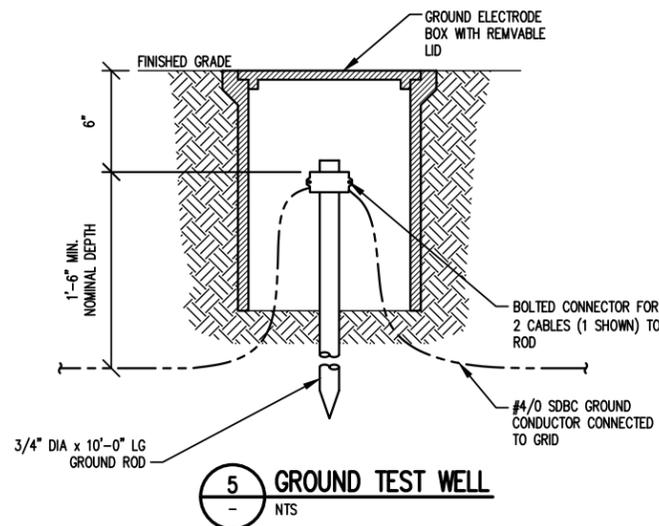
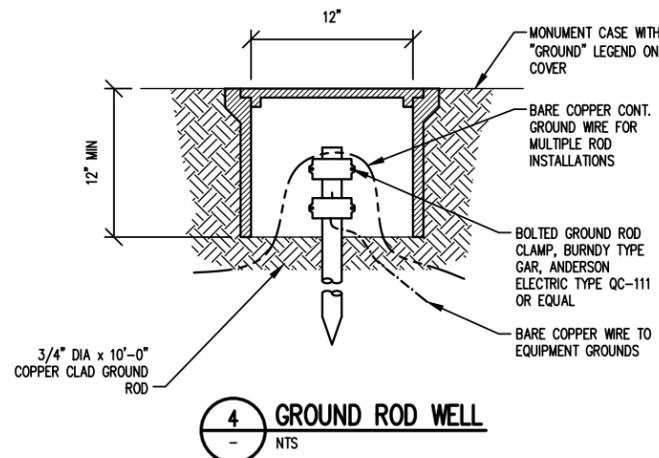
**GENERAL NOTES:**

1. CONDUCTORS OF GROUNDING LOOP SHALL BE NOT LESS THAN #4/0 SOFT AND NOT ISOLATED. COPPER CONDUCTOR BURIED A MINIMUM OF 24" BELOW FINISHED GRADE. GROUND RESISTANCE SHALL NOT EXCEED 5 OHMS.
2. GROUNDED RODS SHALL BE 3/4" DIAMETER, 10 FOOT LONG COPPER CLAD STEEL.
3. UNDERGROUND CONNECTIONS TO GROUND GRID SHALL BE WELDED TYPE.
4. GROUNDING EVERY OTHER PIPE, RACK, AND COLUMN INTERFACING WITH THE ADJACENT FACILITY PERIMETER GROUNDING GRIP USING A #2/0 BARE COPPER CONDUCTOR TAP.
5. ALL EXPOSED NON-CURRENT CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAY SYSTEMS, AND METALLIC PARTS OF SLIDING GATE SHALL BE GROUNDED. REFER TO DWG E1-09 FOR GROUND LOOP.

**LEGEND:**

- GROUNDING CONDUCTOR, BURIED
- GROUNDING CONDUCTOR EXPOSED OR GROUNDING BUS
- GROUNDING FITTING, WELDED
- GROUNDING CONNECTION, BOLTED
- ▲ GROUNDING TO REBAR

**3 GROUNDING DETAIL (TYP OF EACH CORNER)**  
NTS



TOWN ENGINEER \_\_\_\_\_  
DATE \_\_\_\_\_  
THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE TOWN OF BENNETT FOR IMPROVEMENTS ONLY

**WATER STORAGE UPGRADES SHT 42 OF 44**

CONSULTING ENGINEER:  
ROBERT FRACHETTI, FEI ENGINEERING, INC.  
5325 S. VALENTIA WAY  
GREENWOOD VILLAGE, CO 80111  
(303) 300-3464

0 1  
IF THIS BAR DOES NOT MEASURE 1" DRAWING IS NOT TO LABELED SCALE

REV. No.	DATE	DESCRIPTION
1	6/2016	ADDENDUM No. 7
	3/2016	BID SET
	2/2016	90% DESIGN REVIEW SET

TOWN OF BENNETT  
NEW WATER STORAGE TANK  
ELECTRICAL DETAILS

PROJECT No.: BENN-15-0176  
DATE: 6/2/2016  
DESIGNED BY: NET  
DRAWN BY: SAJ  
CHECKED BY: RWF

**E4-01**