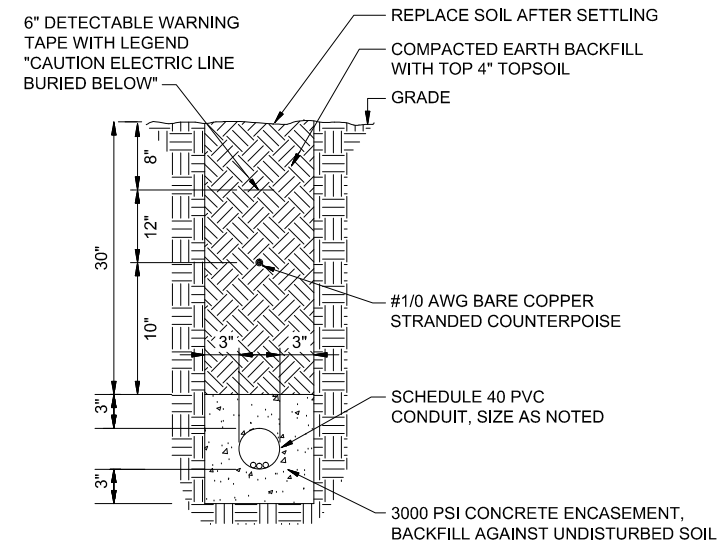


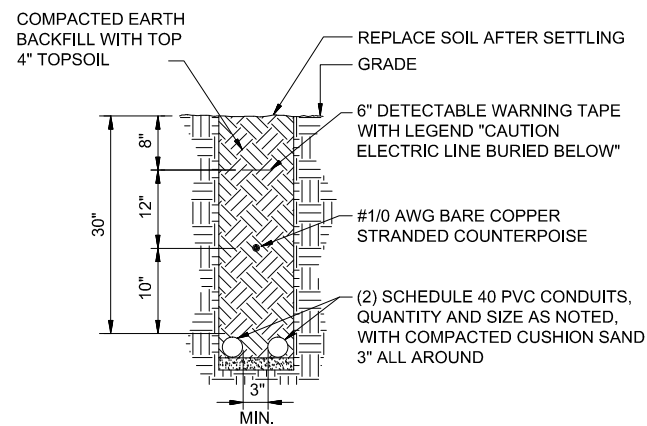
1  
E-304  
**TYPICAL 4-WAY 4" PVC DUCT BANK - FAA STYLE**  
SCALE: NONE

**DUCT AND TRENCH NOTES:**

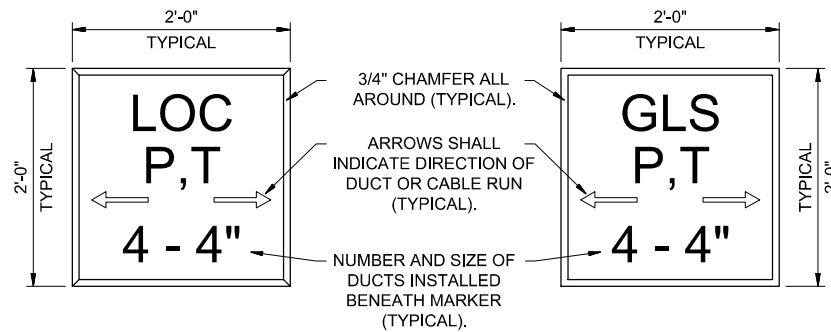
- TRENCHING SHALL BE PERFORMED IN ACCORDANCE WITH FAA SPECIFICATION FAA-C-1391C.
- LIGHTNING, SURGE PROTECTION AND GROUNDING SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH FAA STANDARD FAA-STD-019e.
- ADJUST THE DEPTH OF THE ELECTRICAL DUCTS AS REQUIRED TO MAINTAIN THE MINIMUM COVER REQUIREMENT INDICATED AND AVOID EXISTING UTILITIES.
- INSTALL COPPERCLAD 3/4" X 10' GROUND RODS AT EACH MANHOLE, HANDHOLE, AND PULLBOX; AT 90' ON CENTER MAXIMUM SPACING; AND AT EACH END OF THE ELECTRICAL DUCT OR CONDUIT RUN.
- GROUND RODS SHALL BE DRIVEN VERTICALLY FULL DEPTH PLUS 18" COVER MINIMUM.
- GROUND ROD SPACING SHALL VARY BY 10% TO 20% TO PREVENT RESONANCE.
- GROUND RODS SHALL BE OFFSET 6" FROM DUCT COUNTERPOISE.
- CONNECT COUNTERPOISE GROUND RODS AND WIRES WITH EXOTHERMIC WELDS.
- INSTALL DUCT MARKERS EVERY 200' ALONG A RUN AND AT EACH CHANGE OF DIRECTION.
- ALL CONDUIT UNDER PAVED AREAS SHALL BE CONCRETE ENCASED.
- INSTALL CONDUIT SPACERS WITH LOCKING COLLARS AT 5' O.C. SPACING INTERVALS. INSTALL #4 REINFORCING BARS MINIMUM 6" INTO SOIL TO ANCHOR THE ASSEMBLY PRIOR TO PLACING THE CONCRETE ENCASEMENT.



2  
E-304  
**CONCRETE ENCASED CONDUIT - FAA STYLE**  
SCALE: NONE



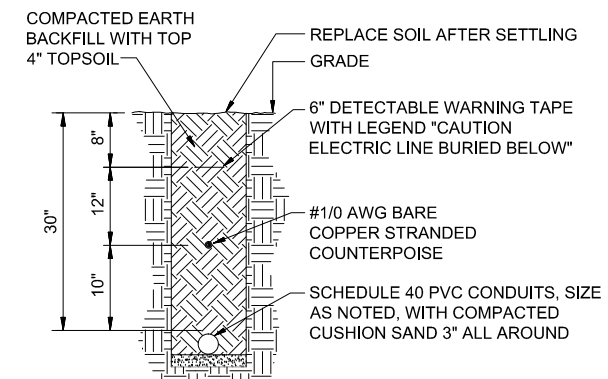
3  
E-304  
**DUAL DEB CONDUIT TRENCH - FAA STYLE**  
SCALE: NONE



**MARKER NOTES:**

- LETTERS SHALL BE 4" HIGH, 3" WIDE, STROKE 1/2" WIDE IMPRESSED 1/4" DEEP. LETTERS SHALL BE STENCILED.
- MARKERS SHALL BE 6" THICK MINIMUM AND PROJECT 1" A.F.G. MAXIMUM.
- MARKERS SHALL BE PAINTED AVIATION ORANGE.
- UTILIZE THE LETTERS "P" FOR POWER, "C" FOR CONTROL, AND "T" FOR TELEPHONE. ADD LETTER ABBREVIATIONS FOR ALL TYPES OF CABLES IN THE ELECTRICAL DUCT.
- COST OF CORRECT MARKERS IS INCIDENTAL TO THE ASSOCIATED ITEMS OF DUCT OR CABLE.

4  
E-304  
**CONCRETE SLAB MARKERS - FAA STYLE**  
SCALE: NONE



5  
E-304  
**SINGLE DEB CONDUIT TRENCH - FAA STYLE**  
SCALE: NONE

REV.	DATE	DESCRIPTION	BY