1. A Heavy Duty Lid is required for all Cable Vaults placed in the traveled way or paved shoulder. A Standard Duty Lid shall be used for all other locations, including vaults placed in sidewalks (does not include driveways), walkways, or shared use paths.

2. The Heavy Duty Lid thickness shall be 9" (in) for all new installations. Where an existing Cable Vault is to have a new Heavy Duty Lid installed, the lid thickness shall either be 6" (in), where no overlay is called for in the Contract, or it shall be fabricated such that the lid is flush with the top of the new overlay.

3. Minimum lid thickness shown. The diamond pattern shall be a minimum of 3/32" (in) thick.

4. Standard Duty Cable Vaults installed in sidewalks, walkways, or shared-use paths shall have a slip-resistant coating on the lid and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, or shared-use paths. The non-slip lid shall be identified with permanent marking on the underside indicating the type of surface treatment (see Contract Documents for details) and the year of manufacture.

5. For Standard Duty Lids, attach a 1/4-20 UNC x 1" (in) S. S. ground stud, coated with anti-squeeze compound. For Heavy Duty Lids, install a 1/2-13 UNC x 1 1/4" (in) S. S. bolt in a 5/8" (in) diameter cored hole in the ductile iron lid gusset as a ground stud. All ground studs shall include (3) S. S. nuts and (2) S. S. flat washers.

6. See Contract Plan Sheets and Standard Plan J-60.00 for Bonding Jumper requirements. Bonding jumper between lid and frame shall be #8 AWG (min.) x 4" (ft) tinned braided copper.

7. The system identification letters shall be 1/8" (in) thickness formed by casting or with a mild steel weld bead. See COVER MARKING DETAIL, Standard Specification 8.20.24g. Ductile iron lettering shall be recessed.

8. Cement concrete shall be Class 4000.

9. Plastic plugs shall be put into the lid inserts after fabrication and the lid installation.

10. Capacity - conduit diameter = 60" (in).

11. Excavate material, place 6" (in) crushed surfacing pad per Standard Specification J-60.00. Ductile iron lid thickness shall be at least 3/32" (in) thick.

12. This drawing depicts a typical Cable Vault assembly. Reinforcing not shown. Each manufacturer’s Cable Vault assembly will vary. Refer to the approved manufacturer's shop drawings for all dimensions and the actual arrangement.

13. The lid is an assembly consisting of the metal lid(s) and frame, reinforcing steel, brass ground insert, and concrete.

14. Field bend reinforcing bar to allow conduit into the Cable Vault. Field bend reinforcing bar back into place, wire tie in (2) places and cast in commercial concrete (commercial concrete only allowed for bottom/wall completion).