1. The Heavy Duty Lid shall be used when a Pull Box is placed in the paved shoulder or the travel way. Use a 3/8" thick lid for new Pull Box installations. Use a 6" thick Heavy Duty Lid when converting a Standard Duty Pull Box into a Heavy Duty Pull Box in the paved shoulder or travel way and no overlay is called for in the Contract. Otherwise, see Contract Plans for overlay depth and Subgrade lid thickness to match overlay depth.

2. Use Standard Duty Pull Box and Lid shown placed in unpeaved areas. Use Standard Duty Pull Box in sidewalks, walkways, and shared-use paths.

3. Minimum lid thickness shown. The diamond pattern shall be a minimum of 3/8" thick.

4. Standard Duty Pull Boxes installed in sidewalks, walkways, and shared-use paths shall have a slip-resistant coating on lid and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, and shared-use paths. The non-slip lid shall be identified with permanent marking on underside indicating the type of surface treatment (see Contract Documents for details) and the year of installation. The permanent marking shall be 1/8" thick line thickness formed with a stainless steel weld bead and shall be placed prior to hot-dip galvanizing.

5. A 1/4-20 UNC × 3/4" S. S. ground stud with (2) S. S. nuts and (2) S. S. flat washers shall be attached to the Standard Duty Lid and coated with anti-seize compound. Provide a 60" diameter control hole in the ductile iron gusset (Heavy Duty Lid) with 1/2-13 UNC × 1 1/4" S. S. bolt, (3) S. S. flat washers, and (2) S. S. nuts for the Bonding Jumper.

6. Connect a Bonding Jumper to the steel conduit bushing for GRS conduit and connect the steel conduit bushing to the equipment ground at the threaded brass ground insert. Connect the equipment grounding conductor in the PVC and GRS conduits to the brass ground insert. The Bonding Jumper shall be 30 min. × 5/8" (L) of threaded brass between the lid and the frame of the Heavy Duty Lid and from the Heavy Duty top to the threaded brass ground insert. The Bonding Jumper shall be 30 min. × 5/8" (L) of threaded brass between the lid and the threaded brass ground insert. See Cover Plan Sheets and Standard Plan J-60.05 for Bonding Jumper requirements.

7. The system identification label shall be 1/8" thick line thickness formed by engraving, casting, stamping, or with a S. S. weld bead. See COVER MARKING DETAIL. See Standard Specification Section 9-29.2(4). Ductile iron lid thickness as necessary can be increased.

8. Concrete shall be Class 4000.

9. Pull box shall be put into the lid before lightening and the lid installation.

10. Capacity - conduit diameter = 40" (in.).

11. Concrete material, place cast surfacing and per Standard Plan Details (Section 9-29.38), field stain where reinforcing bar is show cast into the Pull Box. Field stain reinforcing bar back into place, etc. to (2) places, and rust in commercial concrete (commercial concrete only allowed for box bottom/wall completion).

12. The drawing depicts a typical Pull Box assembly. Refer to the approved manufacturer shop drawings for all dimensions and the actual arrangement.