CONSTRUCTION NOTES

1. Drive ground rods before placing concrete. Move rod(s) and drain tiles with cover(s) as required to achieve full ground penetration. Maintain a 6" (ft) minimum clearance between ground rods and 6" (in) from foundation edge as detailed on Standard Plan J-60.08.

2. GRS conduits penetrating all cabinets shall be terminated with grounding end bushing and bonded to the cabinet grounding bus. All PVC conduits penetrating cabinet shall be terminated with end bell bushings.

3. Install conduit couplings on all conduits. Place coupling tops flush with top of concrete. If PVC conduits are specified, the conduit stub and end bell bushing shall not be glued to the coupling.

4. 4" (in) diam. × 1/2" (in) deep sump. Slope foundation within cabinet footprint toward sump. Drainpipe shall rise 3/8" (in) per ft, polyethylene or copper tubing.

5. The Type D Service shall not be installed on a raised section. All other cabinets shall be installed on 3 1/2" (in) or 9" (in) cabinet footing.

6. Cabinet power supply conduit.

7. Conduits for service grounding electrodes.

8. When distance detailed in Typical Foundation Plan is greater than 8' (ft), this conduit and conductor shall be deleted.


10. Conduit placement location area (or transformer high-voltage conduit area).

11. Conduit placement location.

12. For Type 333SD Controller Cabinet, the cabinet vendor shall allow the Utility Transfer Switch to be installed on either side of the cabinet. The Utility Transfer Switch unit shall be shipped inside the cabinet for field installation by region maintenance personnel.

13. Height of cabinet riser shall be adjusted to serve environmental needs. Type D Service cabinet shall have no riser. NEMA P44, Type 333SD, and Type B Modified shall have a 9" (in) riser. All other cabinets shall have a 3 1/2" (in) riser. See Contract for alternative height. Adjust length of conduit and rebar accordingly.

14. Use (1) #4 hoop for a 3 1/2" (in) cabinet footing and (2) #4 hoops for a 9" (in) cabinet footing.

15. The Police Panel location is set by industry standards on all Controller Cabinets.

16. Use Standard Plan J-10.20 for additional Foundation Construction and Conduit Routing for Type B Modified Service Cabinet with Controller Cabinet.

17. Verify pad size and location with Project Engineer.

18. Field bend #4 rebar around the Generator Anti-Theft Tie-Down Unit when required.

19. See Standard Plans J-10.21 and J-10.22 for additional details for Type D and Type E Service Cabinets.

20. As an alternate, #3 rebar spaced at 1" - 0" O.C. longitudinally and transversely may be used.
**CONTROLLER CABINET FOUNDATION NOTES**

1. Slope conduit reserve area floor 1/4" (in) per 1' (ft) to the sump in the center.
2. All other dimensions shall be approved by the Engineer.
3. Provide 2" (in) clearance between conduit and edge of foundation well for cable slack.
4. For the rest of the foundation, see Standard Plan J-10.20 for details.