Typical ITS Device Site Layout

General Notes:

1. Seal all ITS communications conduits with waterproof duct plugs and seals.

2. Seal ends of all conduit entries into ITS cabinets with cap screws as approved by the District representative and back with duct sealant.

3. Locate ground boxes for electrical and ITS communications within 5' of cabinet enclosure or as directed by the Engineer.

4. Refer to E10 standard sheets for additional notes regarding electrical service.

5. Install service wire ground at alternate location where directed by the Engineer. Maintain a minimum of 6" of contact with the earth.

6. Use liquidtight flexible metal conduit (LMC) as required when meter and service enclosures are located 90 to 180 degrees apart. Refer to E10 standard sheets for details on LMC, etc.

7. Refer to (IT/G21, IT/G23) and (IT/G99) for details regarding conduit depth and entry into ITS ground box.

8. Check all enclosures and bolt all ground boxes securely before power is applied to the circuit. Refer to the ITS cabinet reference indicated on this sheet for cabinet lock requirements.

9. The detail shown is diagrammatic and is intended to represent a typical layout from electrical service to ITS devices.

Entries:

- ITS Cabinet
- ITS Ground Box
- ITS Poles
- Concrete Mopeds
- Electrical Service Conduit
- Electrical Grounding Conduit
- Electrical Equipment
- Service Entrance
- ITS Poles Foundation
- ITS Poles
- 3-Wire Service
- 120/240 Volt 3-Wire Service
- Electrical Service Pole (See Pole For Service Type)
- Standard Sheets
- Service Entrance
- Typical ITS Device Site Layout
- ITS Cabinet (Refer To B124)
- ITS Ground Box (Refer To B124)
- ITS Poles (Refer To B124)
- Concrete Mopeds (Refer To B124)
- Electrical Service Conduit (Refer To B124)
- Electrical Equipment (Refer To B124)
- Service Entrance (Refer To B124)
- ITS Poles Foundation (Refer To B124)
- ITS Poles (Refer To B124)
- 3-Wire Service (Refer To B124)
- 120/240 Volt 3-Wire Service (Refer To B124)
- Electrical Service Pole (See Pole For Service Type) (Refer To B124)
- Standard Sheets (Refer To B124)