

# Special Specification 6078

## Concrete Ground Boxes



### 1. DESCRIPTION

Furnish and install pre-fabricated reinforced hydraulic cement concrete rectangular ground boxes complete with either steel or cast iron frame and lid at the designated location as shown in plans and as directed.

Provide ground box of the type, dimensions and requirements shown on the plans and as directed.

Construct ground box cover to fit properly on the ground box, and no undue noise shall result when traffic contacts the cover. Provide the cover with a drop handle when designated on the plans. Mark the cover for Type "AS" and "DS" ground boxes with the words "Surveillance – Danger, High Voltage," or as shown on the plans. Provide an appropriate mean to secure or lock the cover in place as required by the plans.

### 2. MATERIALS

Provide new materials that comply with the details shown in the plans, meet the following requirements and as directed:

- Construct ground boxes with Class "A" concrete in accordance with Item 421, "Hydraulic Cement Concrete," unless otherwise required on the plans.
- Provide steel or cast iron for the frames and covers conforming with Item 471, "Frames, Grates, Rings, and Covers," unless otherwise approved by the Engineer.
- Provide reinforcement steel in accordance with Item 440, "Reinforcement for Concrete."

2.1. **Strength Requirements.** Construct the each concrete ground box with the strength requirements shown on the plans.

### 3. CONSTRUCTION

Backfill in accordance to the requirements of Item 400, "Excavation and Backfill for Structures."

Construct a concrete apron, as shown in the plans, in accordance with Item 421, "Hydraulic Cement Concrete," and Item 440, "Reinforcement for Concrete."

### 4. MEASUREMENT

This Item will be measured as each ground box, complete in place.

### 5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Concrete Ground Box (Type AS)," or "Concrete Ground Box (Type DS)." This price shall be full compensation for excavation; furnishing and placing all materials, apron, backfill, and all labor, tools, equipment, transportation, and incidentals.