**Plan**

**Typical Installation of Pull Box with 6" Concrete Retaining Wall (See Note 4) and with Steel Traffic Cover**

**Sections**

**Details**

**Precast Pull Box, Covers and Lids**

**Dimensions (Inches)**

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**Sheet Notes:**

1. All exposed metallic portions of the pull boxes shall be constructed with corrosion resistant and/or natural materials and shall be non-magnetic at the time of fabrication.

2. Pull boxes, covers, and expansion shall be pressure rated and reinforced concrete. Pull boxes shall not contain any metallic parts that may come into contact with any part of the pull box or adjoining pull boxes.

3. Pull boxes placed in roadways or in areas subject to vehicular and heavy machinery traffic shall be furnished with steel checkered plate traffic covers. Covers shall be rated to withstand the weight of a standard double trailer. Covers shall be supported and secured to the pull boxes using rebar or other appropriate means.

4. A 1/2-inch wide by 3 1/2-inch deep (minimum) concrete slab shall be constructed around each pull box (including boxes provided with the 6-inch thick retaining wall). The slab shall be installed in concrete, as shown in the plan. The slab shall be installed around each pull box within 30 days of the date of the plan.

5. Concrete boxes shall be provided with the following legends, as applicable:
   - Pull box label:
   - Street name:
   - Street direction:
   - Street number:
   - Elevation:
   - Date:
   - Inspector's signature:
   - Inspector's stamp:
   - Inspector's license:
   - Inspector's certification:
   - Inspector's approval:
   - Inspector's seal:

6. Precast boxes having a 3/4-inch thick retaining wall shall be supplied with a protective coat of primer and an additional coat of paint. The boxes shall be furnished with 1/4-inch thick fiberglass reinforcement. The boxes shall be furnished with a protective coat of primer and an additional coat of paint. The boxes shall be furnished with a protective coat of primer and an additional coat of paint.

7. Pull boxes entering the pull box must have 2-3 inch clearance from the sides of the interior walls.

**Plan Details:**

- **45° Bend into the box**: 3” min. Gravel placed between 1/4”-3/4” without sharp edges compacted to box.
- **Lids (Concrete Reinforced)**: 3” min. Gravel placed between 1/4”-3/4” without sharp edges compacted to box.
- **Covers (Steel, Reinforced Concrete)**: 3” min. Gravel placed between 1/4”-3/4” without sharp edges compacted to box.
- **Bolts**: 3/8”-16 x 1/2” hex head bolts for box covers.

**Revision Number**: 1.0

**Standard Plan Development:** This standard plan was developed for use on public utility commission projects in the city and county of San Francisco, and shall not be used without consulting a registered professional engineer, offic/office reserves the right to make revisions to this standard plan at any time.