

## Streetlight, Precast, Concrete Foundation Installation



### 1. Scope

This standard specifies the requirements for the installation of precast streetlight concrete foundations.

This standard applies to the installation of the following Seattle City Light (SCL) stock numbers:

Stock No.	Bolt Circle, diameter (in)	Bolt Projection (in)
568025	9	4
568028	11-1/2	4

Excavation and work practices are outside the scope of this standard.

### 2. Application

This standard provides direction to SCL crews about installation requirements for precast streetlight concrete foundations.

This standard is only applicable to installations by SCL crews.

Installation of non-standard SCL material is subject to requirements in the City of Seattle Standard Plans.

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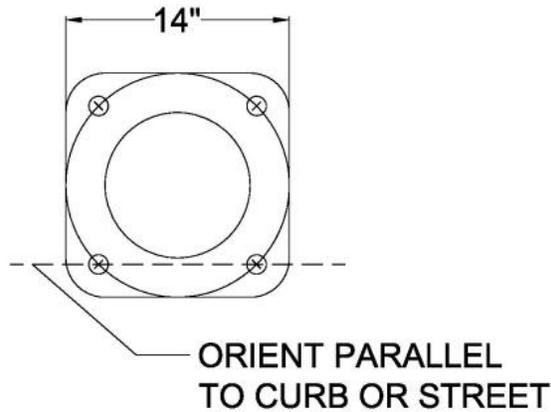
Unit Director  
Darnell Cola

### 3. Requirements

#### 3.1 Orientation

Precast foundations shall be oriented parallel to the curb or street as shown in Figure 3.1.

**Figure 3.1. Orientation Requirements, Plan View**



The bed of the installation area shall be filled and compacted with a 6-in minimum thickness of 3/8-in washed gravel.

Backfill shall be compacted to 95-percent density in 12-in layers.

#### 3.2 Installation Depth

Precast foundations shall be installed at the depths listed in Table 3.2.

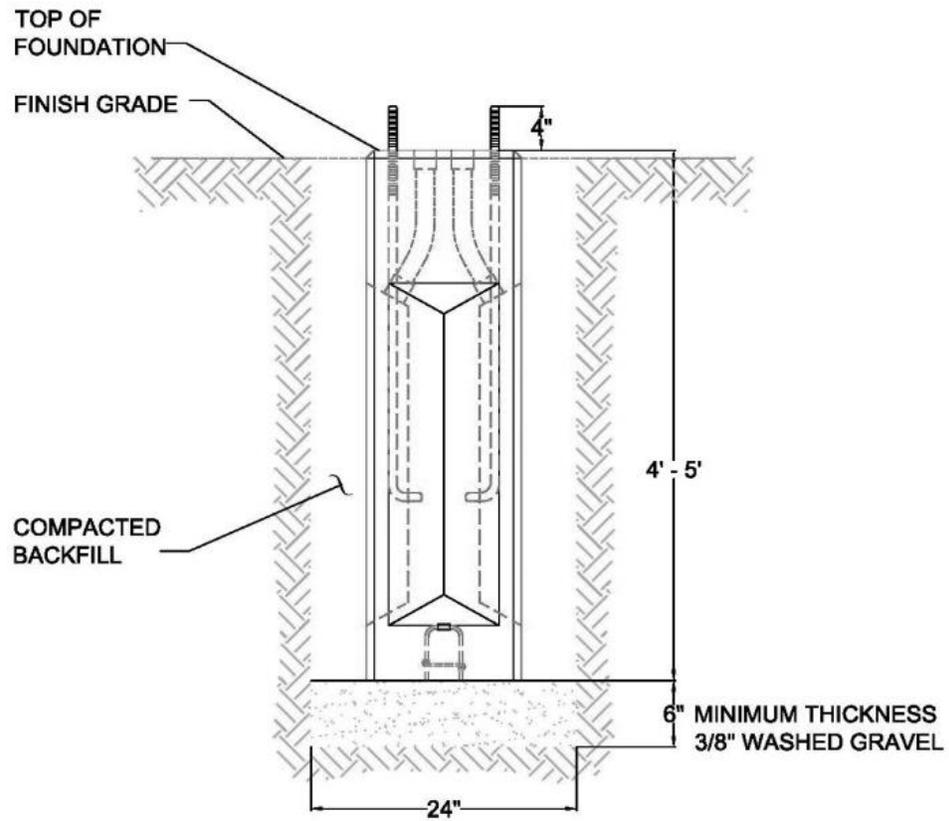
**Table 3.2. Installation Depths**

Stock No.	Roadway Type	Bolt Circle diameter (in)	Installation Depth (ft)
568025	Residential	9	4
568028	Arterial	11-1/2	5

### 3.3 In-Earth

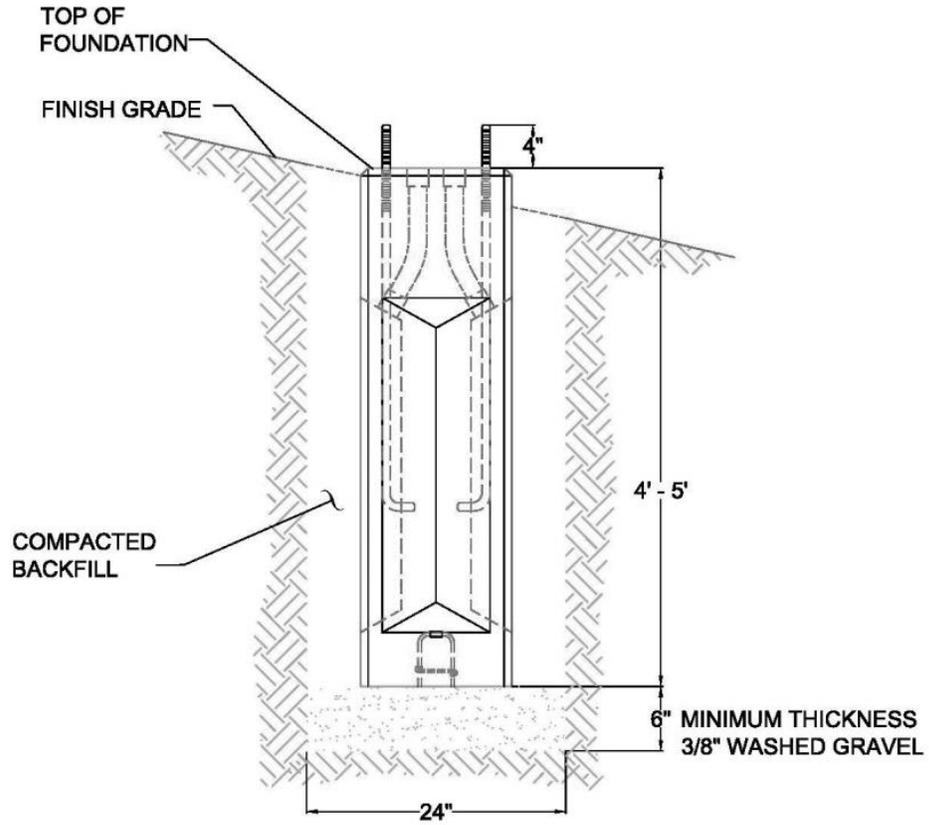
Installations in earth without incline shall conform to Figure 3.3a.

**Figure 3.3a. Requirements for In-Earth, Without Incline, Installation, Elevation View**



Installations in-earth with incline shall conform to Figure 3.3b.

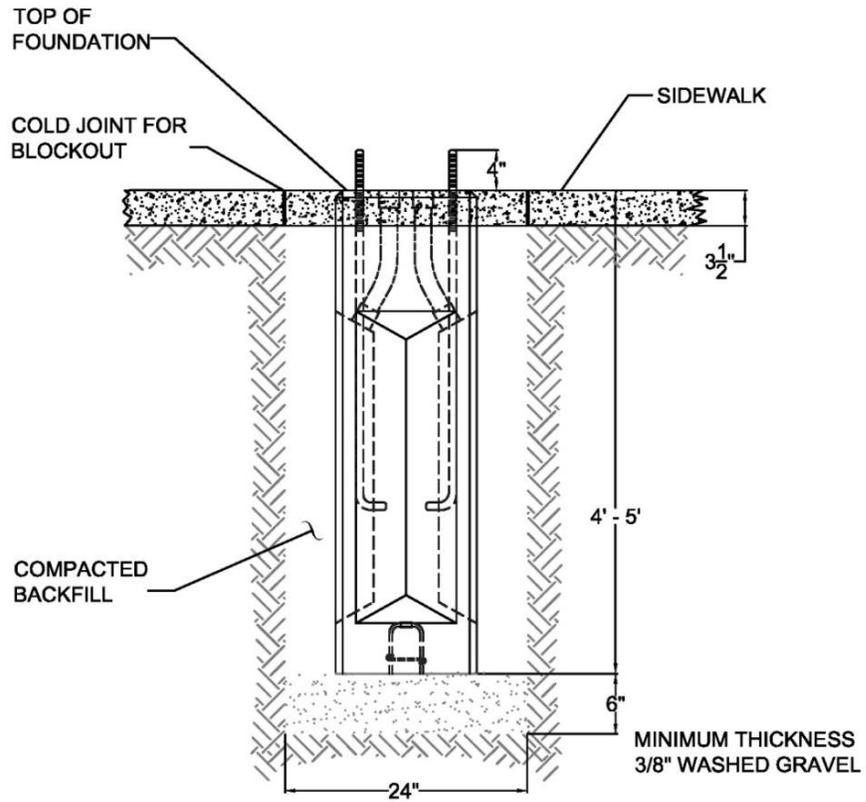
**Figure 3.3b. Requirements for In-Earth, With Incline, Installation, Elevation View**



### 3.4 In-Sidewalk

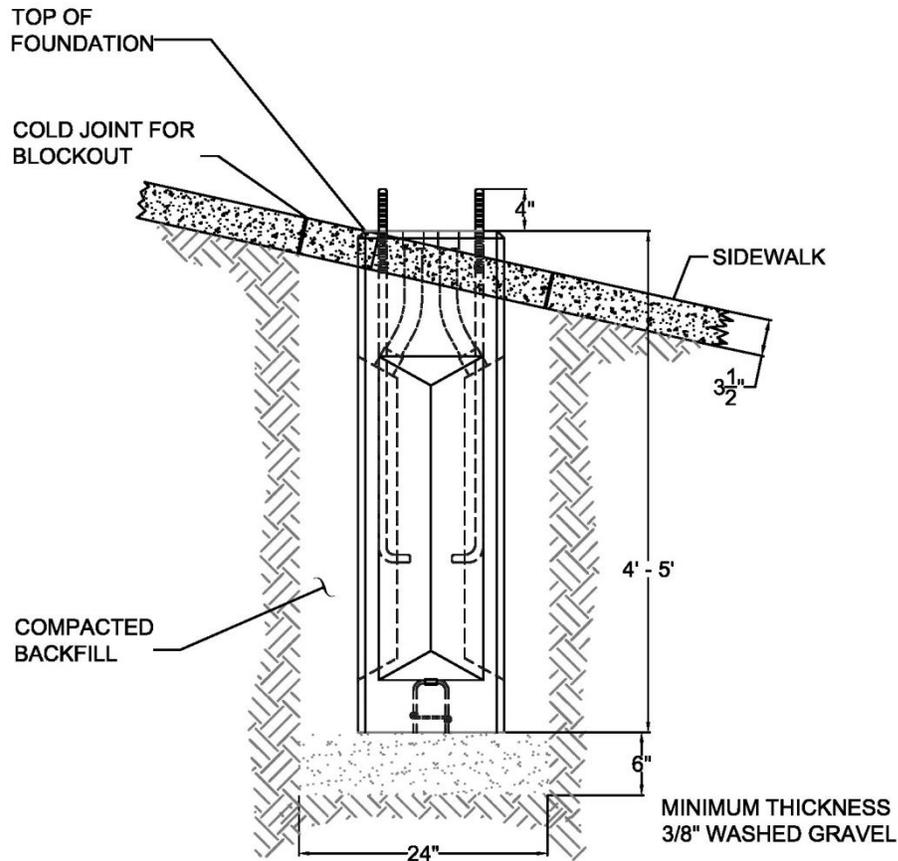
Installations in sidewalk without incline shall conform to Figure 3.4a.

**Figure 3.4a. Requirements for In-Sidewalk, Without Incline, Installation, Elevation View**



Installations in sidewalk with incline shall conform to Figure 3.4b.

**Figure 3.4b. Requirements for In-Sidewalk, With Incline, Installation, Elevation View**



#### 4. References

**SCL Material Standard 5778.20**; "Footings, Precast Concrete for Residential Streetlight Poles"

**SCL Material Standard 5778.40**; "Footings, Precast Concrete for Arterial Streetlight Poles"

#### 5. Sources

**ASTM C891-11**; Standard Practice for Underground Precast Concrete Utility Structures

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