

FOOTINGS, PRECAST CONCRETE FOR ARTERIAL STREETLIGHT POLES



1. Scope

This standard covers the requirements for precast concrete footings used to support arterial streetlight poles.

This standard applies to Seattle City Light Stock Number 568028.

Precast concrete footings used to support *residential* streetlight poles are outside the scope of this standard.

2. Application

Precast concrete arterial streetlight pole footings are a cost-effective alternative to poured-in-place footings.

Arterial streetlight footings allow for an immediate foundation system for at-grade and above-grade applications.

Footing design includes convenient connection points to conduit systems.

Footing is set using lift plate secured to anchor bolt with nut (two places).

Requirements for footings used to support *residential* streetlight poles are covered in SCL 5778.20.

3. Industry Standards

Footing manufacturer shall meet the applicable requirements of the following industry standard:

National Precast Concrete Association (NPCA) Quality Control Manual for Precast and Pre-stressed Concrete Plants, 9th Edition, January 2012.

4. Requirements

Concrete finish	Flat float with machined edges
Concrete chamfer (nominal, in)	3/4
Tolerances(in)	
Bolt circle diameter	±1/8
Bolt projection	±1/4

MATERIAL STANDARD

Footings, Precast Concrete for Arterial Streetlight Poles

Provision for routing customer supplied conductor through footing shall be accomplished by means of two sections of 2-inch, PVC, flexible conduit.

A PVC conduit coupling shall be installed on each end of each flexible conduit section.

 Footing dimensions, concrete portion

Height	5'-0" ±1/4"
Width	1'-2" ±1/4"
Depth	1'-2" ±1/4"
Footing weight, (nominal)	910 lb

 Anchor Bolt Details

Number	4
Diameter	1"
Bolt Circle, Diameter	11-1/2"
Bolt Projection	4"

5. Product Approval

Manufacturers and/or distributors interested in having their product approved for purchase by Seattle City Light must participate in the stepped process summarized below. Contact Standards for the details.

1. Submit documentation that establishes the product meets the requirements of this standard
2. Provide one sample for evaluation.

6. Packaging

Footings shall be packaged to prevent damage during shipping, handling, and storage.

Each shipping container shall be marked with:

- Seattle City Light's Purchase Order Number
- Seattle City Light's Stock Number

7. Issuance

EA

8. Approved Manufacturer

Stock No.	Oldcastle Precast Catalog No.
568028	5-LB-CL-4

Oldcastle Precast products were previously manufactured under the name Utility Vault.

9. Sources

Chao, Yaochiem; SCL Standards Engineer and co-originator of SCL Material Standard 5778.40; (yaochiem.chao@seattle.gov)

Shipek, John; SCL Standards Supervisor and co-originator of SCL Material Standard 5778.40; (john.shipek@seattle.gov)

SCL Material Standard 5678.40; "Footings, Precast Concrete for Arterial Streetlight Poles" (renumbered to 5778.40 in October 2015)

10. References

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