

---

## ORIGINATION FORM

---

Proposed Revisions to a Standard Plans Index  
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: July 17, 2020

Originator: Malcolm Tomatani

Phone: (850) 921-7305

Email: malcolm.tomatani@dot.state.fl.us

**Standard Plans:**

Index Number: 639-002

Sheet Number (s): 1 of 1

Index Title: Electric Power Service

**Summary of the changes:**

Added new figure for underground pedestal mounted meter.

**Commentary / Background:**

Underground pedestal mounted meters have become more prevalent for new power services.

**Other Affected Offices / Documents:** (Provide name of person contacted)

- | Yes                      | No                                  |                             |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Standard Plans –      |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | FDOT Design Manual –        |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Standard Specifications –   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Approved Product List –     |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Construction –              |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Maintenance –               |

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

- | Yes                                 | N/A                                 |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Redline Mark-ups                         |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Revised SPI                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Other Support Documents                  |

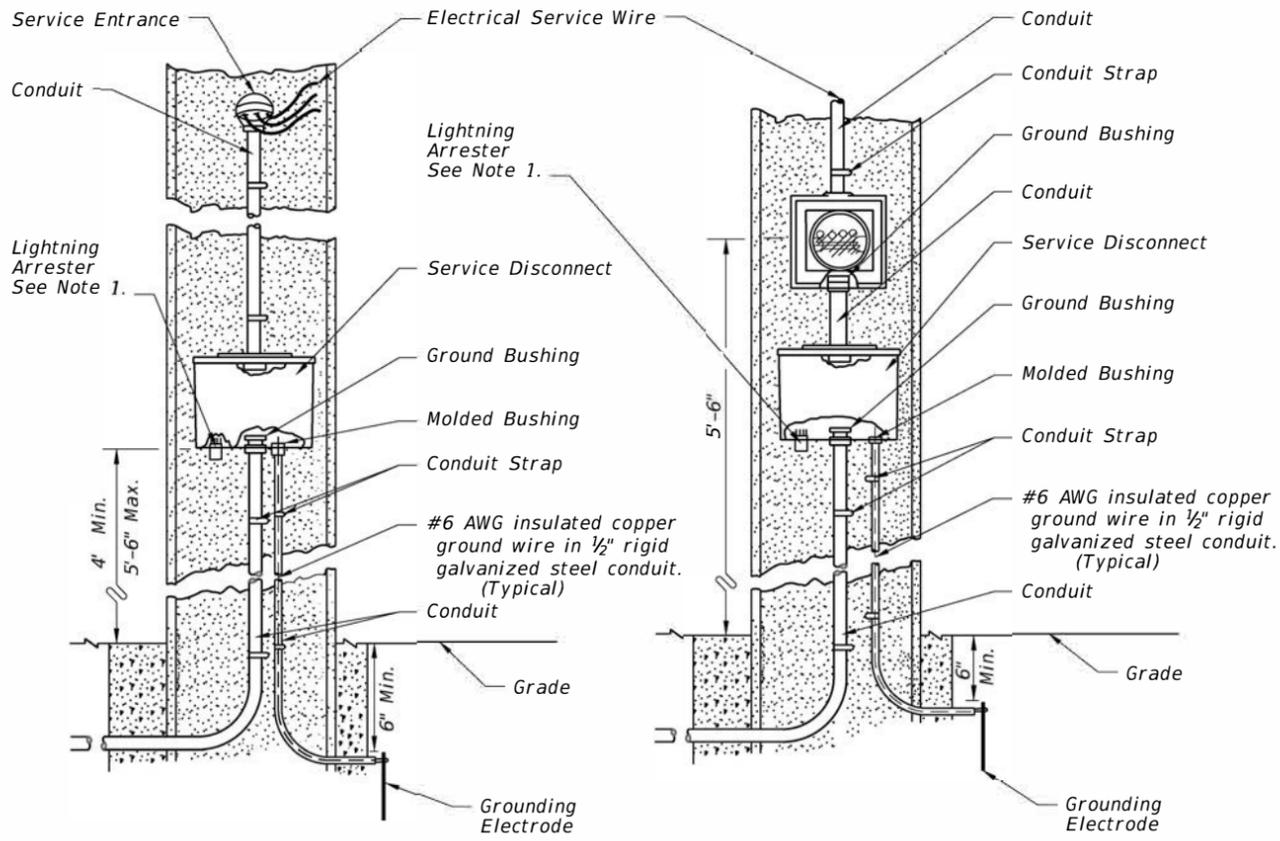
**Implementation:**

- Design Bulletin (Interim)
- DCE Memo
- Program Mgmt. Bulletin
- FY-Standard Plans (Next Release)

---

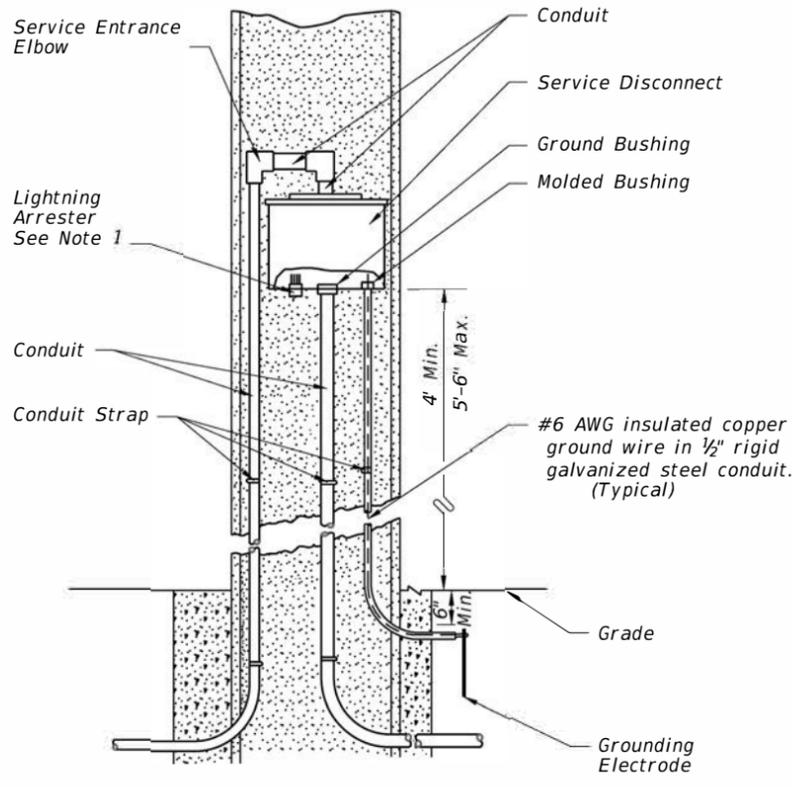
Contact the Roadway Design Office for assistance in completing this form

---

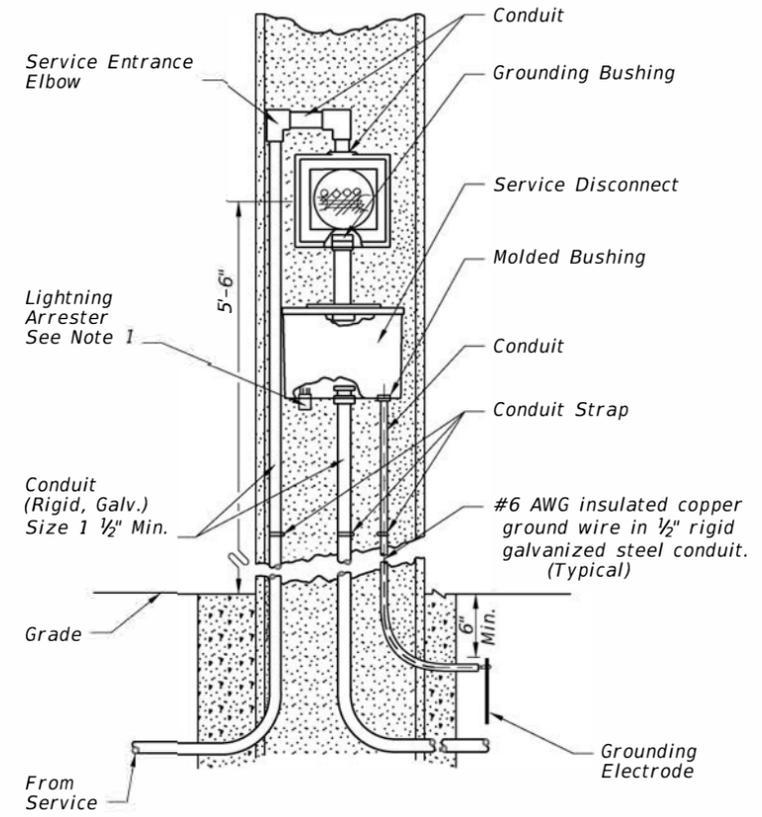


AERIAL FEED  
(NO METER USED)  
FIGURE A

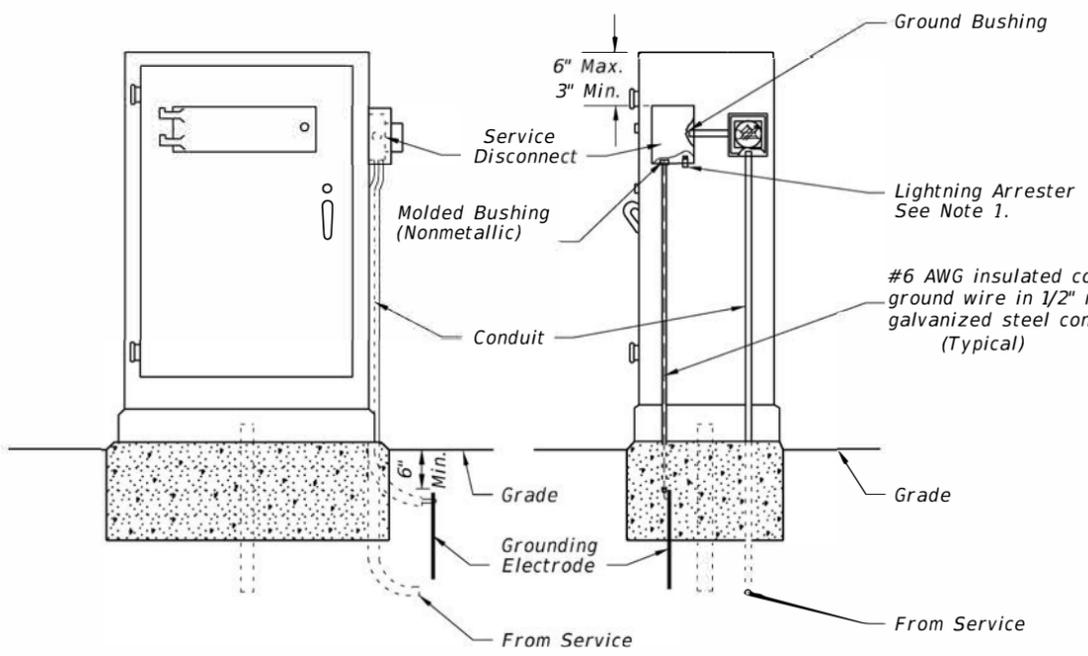
AERIAL FEED  
(METER USED)  
FIGURE B



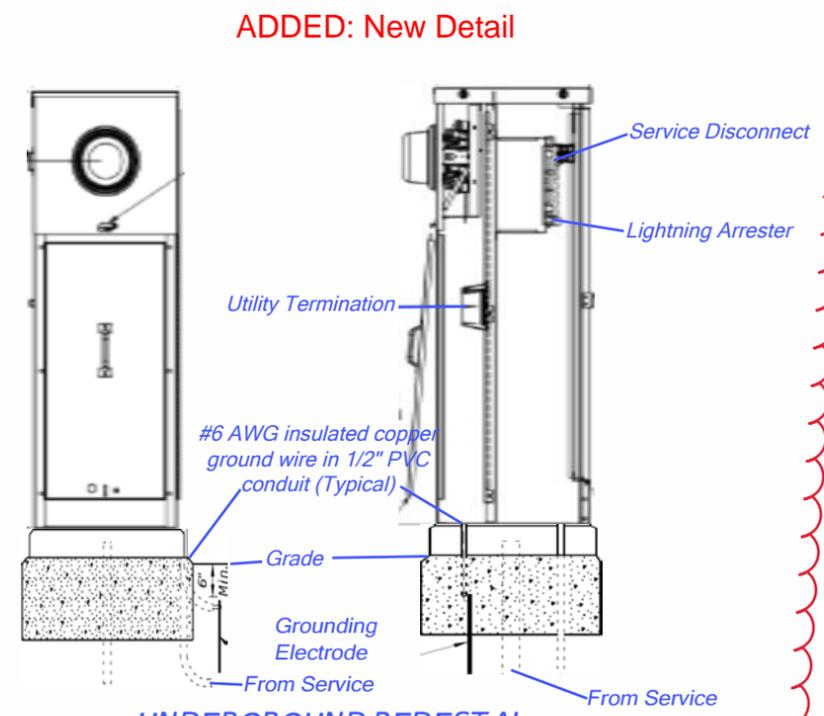
UNDERGROUND FEED  
(NO METER USED)  
FIGURE C



TYPE "B" UNDERGROUND FEED  
(METER USED)  
FIGURE D



UNDERGROUND CABINET MOUNTED  
(METER USED)  
FIGURE E



UNDERGROUND PEDESTAL  
MOUNTED METER  
FIGURE F

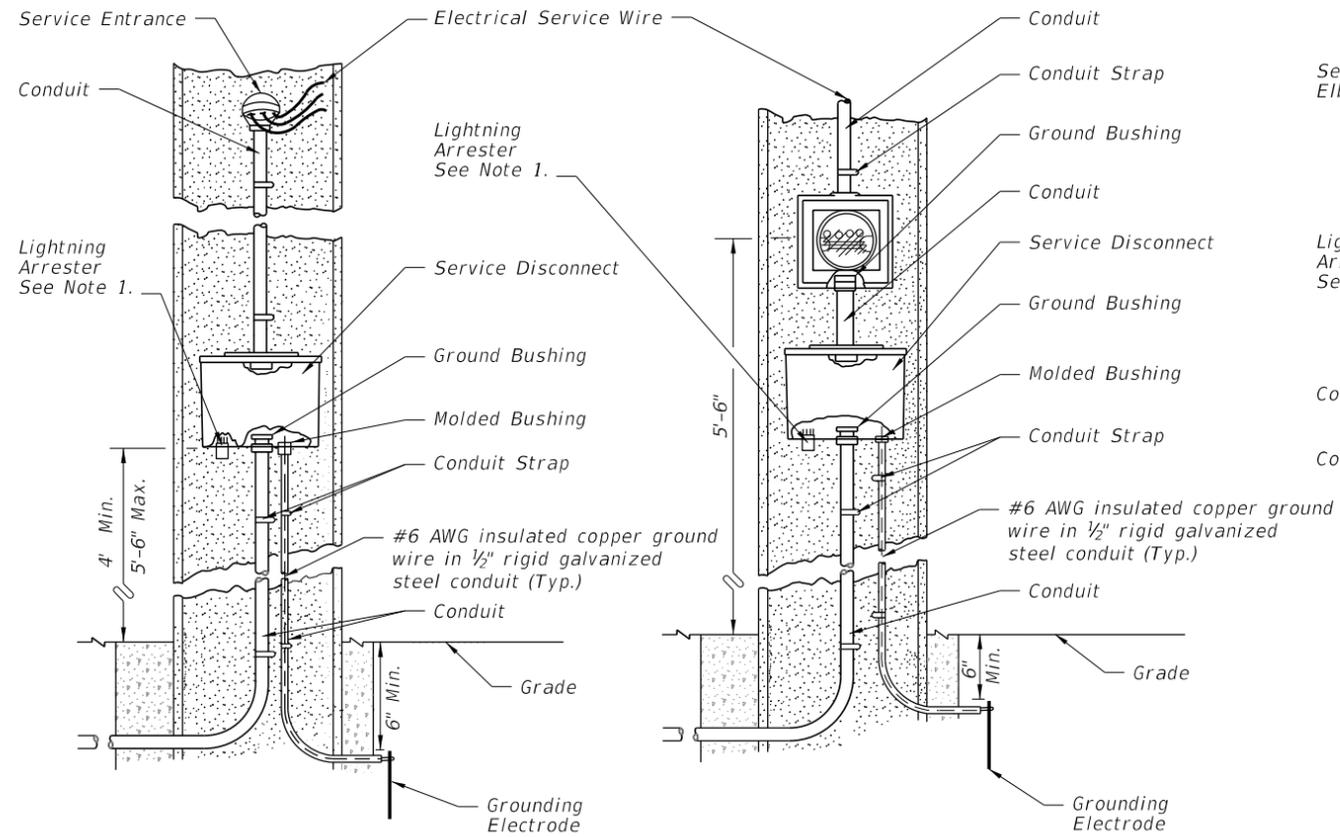
ADDED: New Detail

Updated Notes

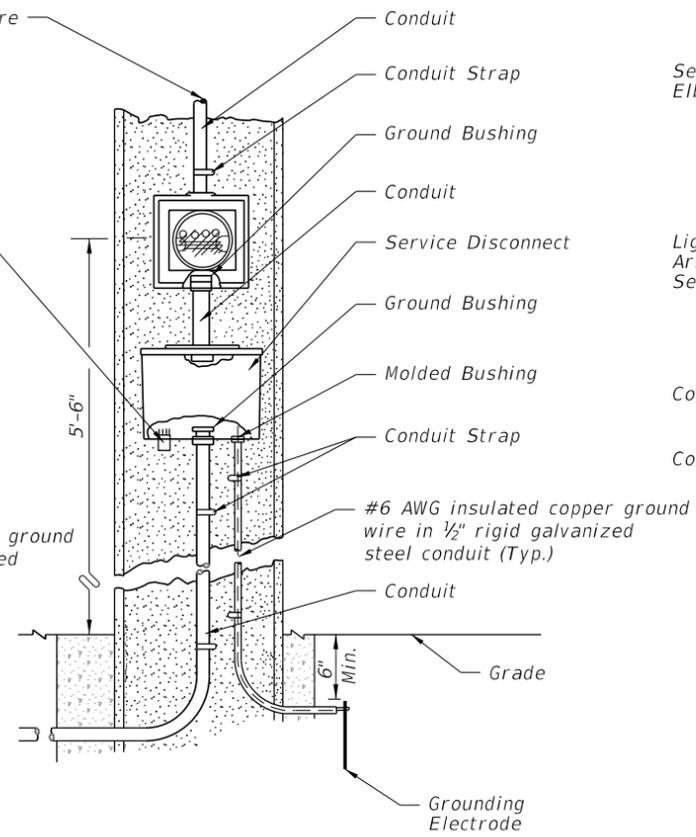
- NOTES:
- The lightning arrester can be located on the side or bottom of the service disconnect enclosure at the Contractor's Option.
  - Liquidtight flexible conduit is approved for use from the electrical disconnect to the cabinet when both are installed on the same pole.
  - Bond all elements together to form an Intersection Grounding Network in accordance with Specification 620. The bond wire shall be run in conduit with the Electrical Service Wire or Signal Cable.
  - Meet all grounding requirements of Specification 620.
  - The Service Disconnect shall be lockable by padlock and four keys provided to the maintaining agency. The door shall have a minimum of three hinges and be lockable. No screws to be used to attach door.
  - The Service Disconnect shall be NEMA 3R or better.

10/14/2019 2:14:35 PM

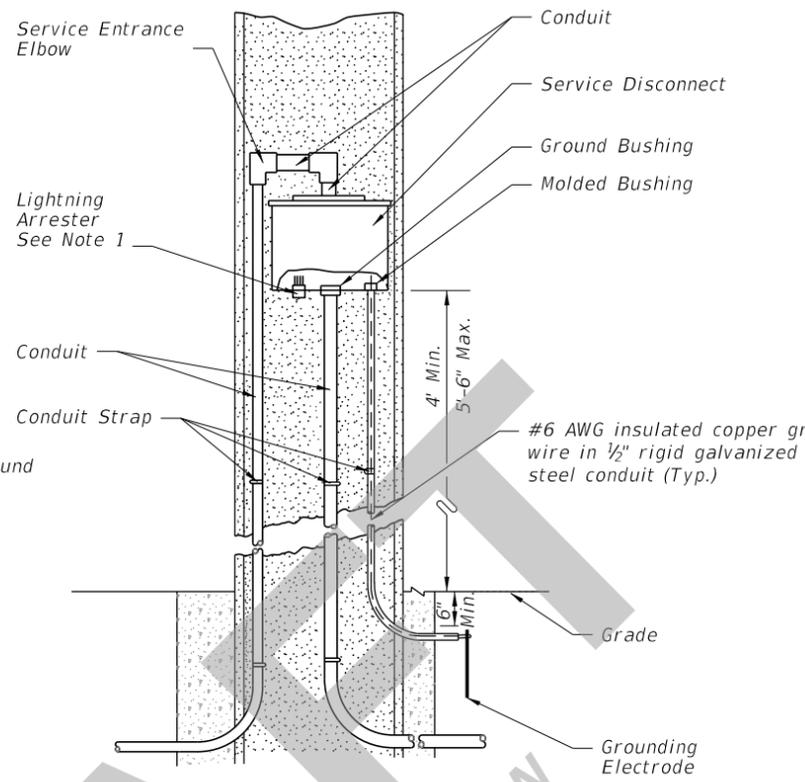
LAST REVISION	DESCRIPTION:
11/01/17	11/01/20



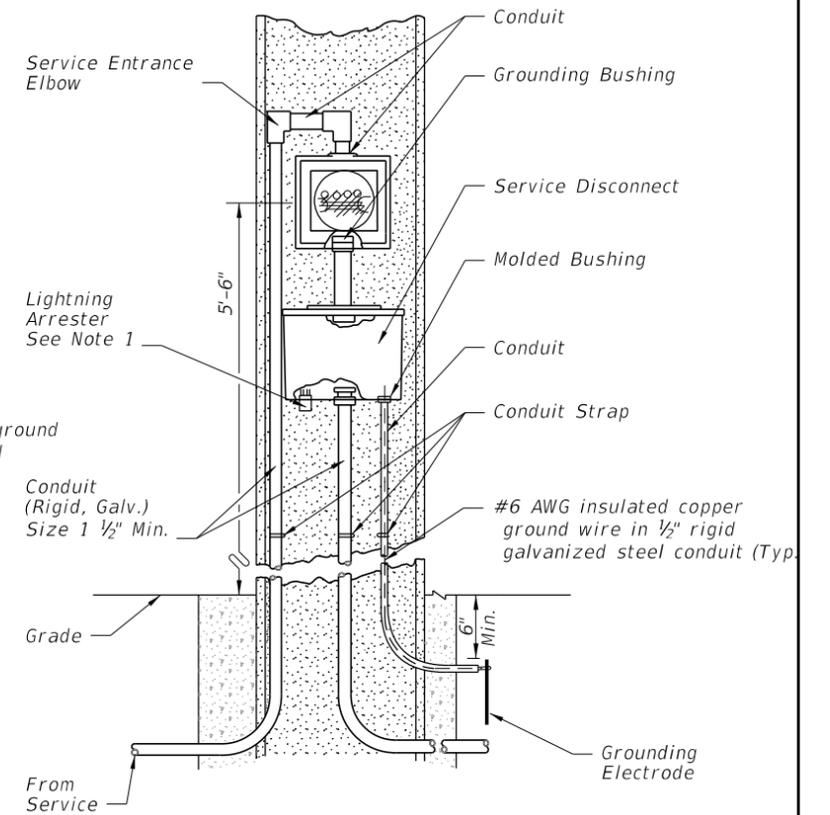
**AERIAL FEED  
(NO METER USED)  
FIGURE A**



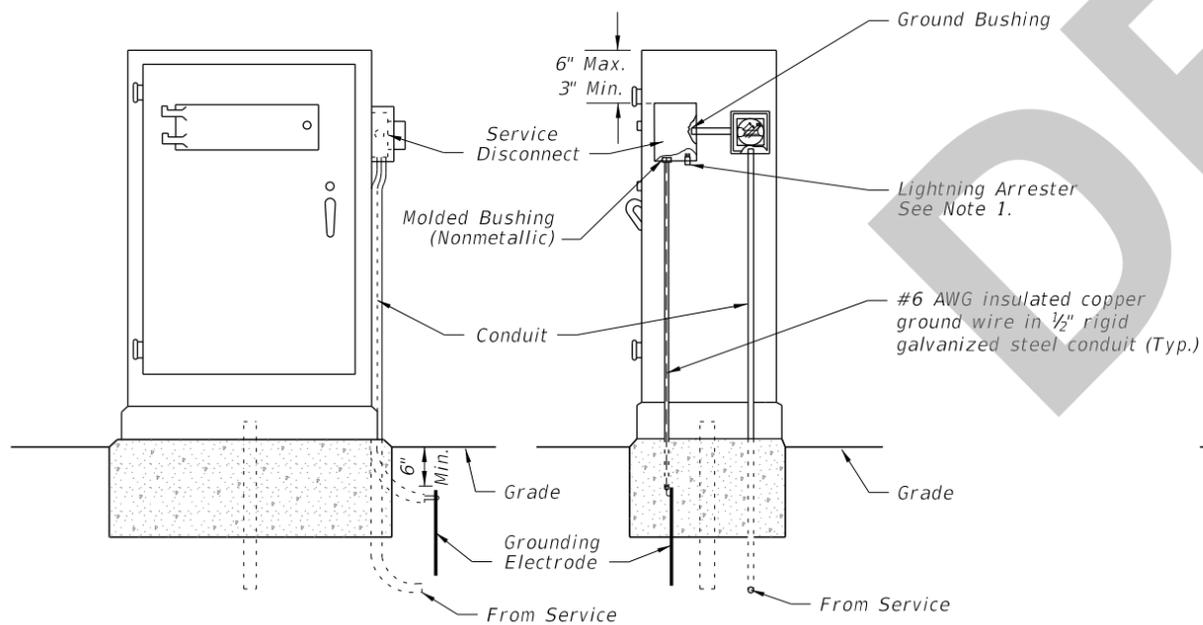
**AERIAL FEED  
(METER USED)  
FIGURE B**



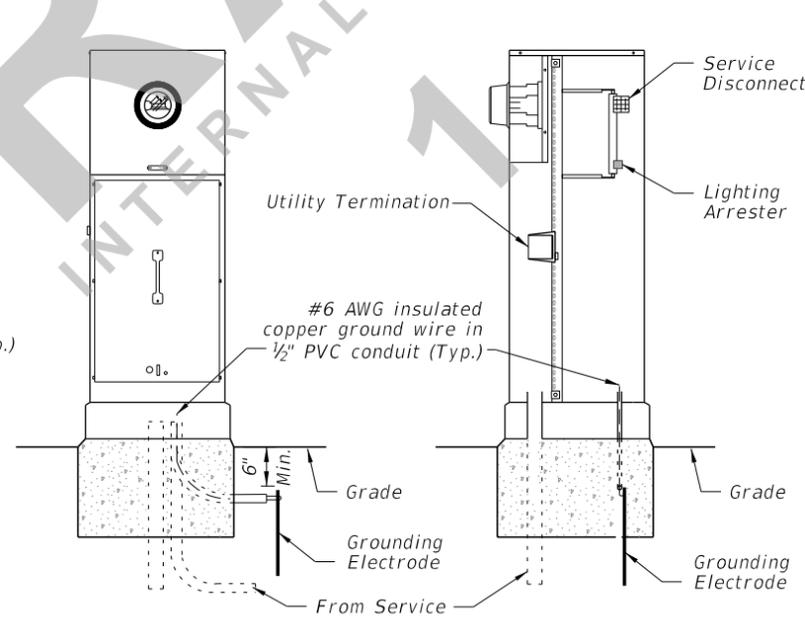
**UNDERGROUND FEED  
(NO METER USED)  
FIGURE C**



**TYPE "B" UNDERGROUND FEED  
(METER USED)  
FIGURE D**



**UNDERGROUND CABINET MOUNTED  
(METER USED)  
FIGURE E**



**UNDERGROUND PEDESTAL  
MOUNTED METER  
FIGURE F**

**NOTES:**

1. The lightning arrester can be located on the side or bottom of the service disconnect enclosure at the Contractor's Option.
2. Liquidtight flexible conduit is approved for use from the electrical disconnect to the cabinet when both are installed on the same pole.
3. Bond all elements together to form an Intersection Grounding Network in accordance with Specification 620. Run the bond wire in the conduit with the Electrical Service Wire or Signal Cable.
4. Meet all grounding requirements of Specification 620.
5. The Service Disconnect has a minimum of three hinges and is lockable using a padlock. Provide four keys to the maintaining agency. No screws are to be used to attach door.
6. The Service Disconnect meets NEMA 3R requirements or better.

8/10/2020 11:02:57 AM

LAST REVISION	DESCRIPTION:
11/01/20	



**FY 2021-22  
STANDARD PLANS**

**ELECTRIC POWER SERVICE**

INDEX  
**639-002**

SHEET  
**1 of 1**