

Versatile Access Pedestal

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Revision History

Issue	Date	Reason for Change
2	02/2005	Add tools and materials list; add maintenance and repair procedures, list stake-mounting as optional
1	09/2003	Initial release

Related Literature

EVO-416-EN Versatile Access Pedestal Specification Sheet and Ordering Guide

1. PRODUCT INFORMATION

This document describes the installation of Corning Cable Systems Versatile Access Pedestal. The Versatile Access Pedestal is a flame-, impact-, and UV-resistant housing designed to provide mounting facilities and security for copper or fiber optic cable splicing and termination in a buried plant environment. The pedestal comes equipped with either brackets or a specially-designed backboard for splicing or mounting wire terminals. The cover is a “Bell Jar” design that allows for 360-degree access when removed and prevents water submersion of internal components during flood conditions. The pedestal can be mounted with or without the optional stake, pole-mounted, or self-supported with the optional integral stake feature.

2. COMPONENTS

The components you receive may vary from those depicted in Figure 1 depending upon the configuration ordered for your specific application. Refer to your network plan or the product specification sheet to ensure you have the required components for your installation. Additional parts and accessories may be ordered by contacting your customer service representative.

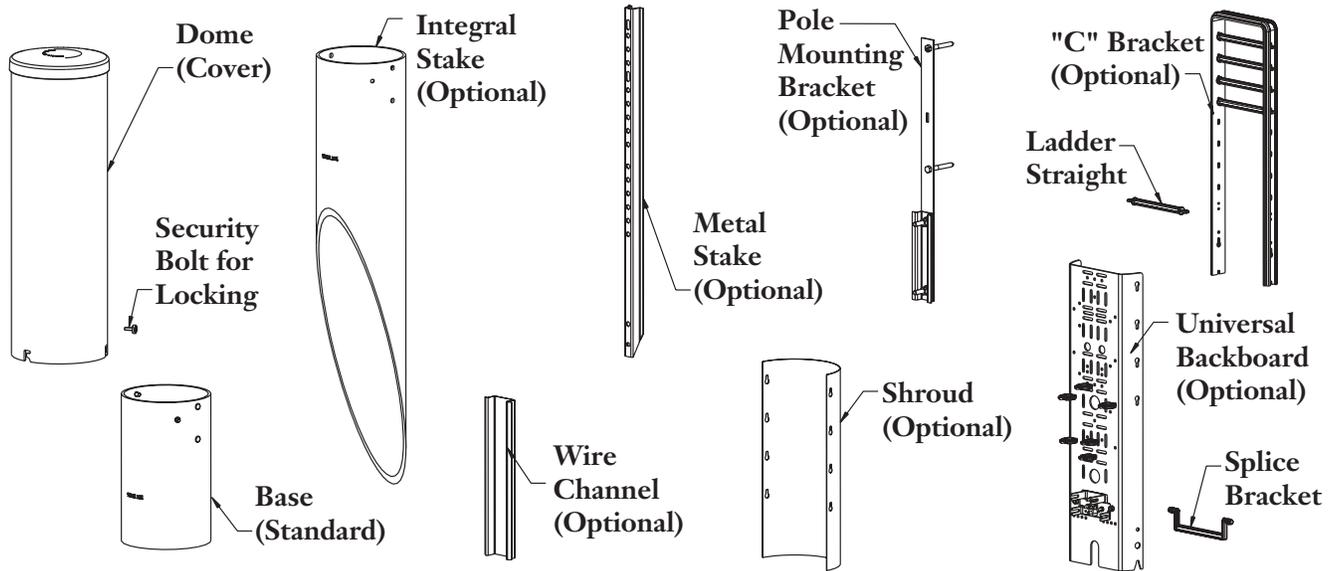


Figure 1

3. TOOLS AND MATERIALS

The following tools and materials may be required to install this product and can vary depending upon the optional components being installed:

Tools

- Pointed shovel
- 7/16-inch can wrench
- 9/16-inch wrench or socket and ratchet (for pole-mounting lag screw)
- Hammer or mallet and optional Pile Driver (ordered separately from Corning Cable Systems—p/n CMS1-PD1)

Materials

- Pea gravel (as specified per local standards)
- Small piece of wood at least 1-inch thick
- 4-by-4-inch wooden pole (pole-mounted application only)

4. PREPARING SITE AND PEDESTAL BASE FOR INSTALLATION

 **DANGER:** *Verify the existence of buried utilities in the area where you plan to dig to avoid the possibility of an explosion or electrical discharge and disruption of utility service.*

- Step 1** Dig a round 4-inch-deep hole slightly larger than diameter of pedestal base (or as required for integral stake base).
- Step 2** Install ground rod, if necessary.
- Step 3** Loosen security bolt, twist the dome to release it from the slotted capture feature, and lift the dome straight up. Remove the “C” bracket or universal backboard, if installed. Refer to Figure 1.
- Step 4** Feed cable into base, allowing enough slack for splicing/terminating activities (Figure 2).
- Step 5** (Optional) Install wire channel in base with top edge near top lip of the base. Insert temporary foam plug into wire channel to prevent gravel intrusion during installation (Figure 3).

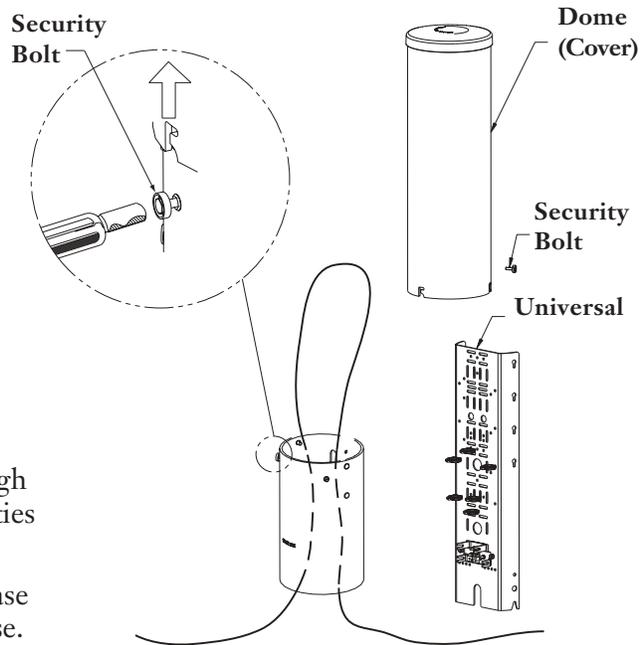


Figure 2

5. INSTALLING PEDESTAL BASE

5.1 Pedestal Mounting

- Step 1** Position the base in the hole and backfill per Section 7.
- Step 2** If optional metal mounting stake is utilized, drive stake in position next to the base, leaving the top 4 inches of stake above grade level.
- Step 3** Attach the optional stake to the mounting holes in the base using the hardware provided.

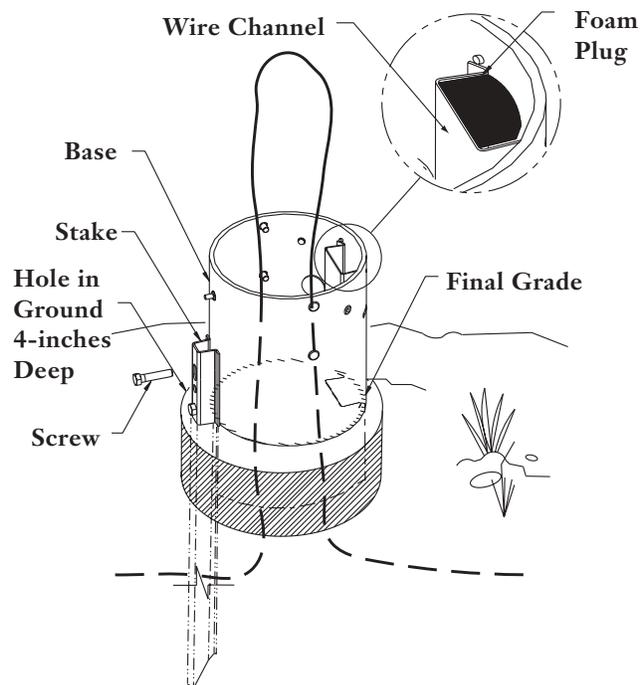


Figure 3

5.2 Pole Mounting

- Step 1** Attach the pole-mounting bracket to the pedestal base using the hardware provided (Figure 4).
- Step 2** Position the base in the hole, ensuring the ground line is even with the final grade.
- Step 3** Dig a hole and bury one end of a 4-by-4-inch wooden pole next to the pole-mounting bracket.
- Step 4** Attach the pole-mounting bracket to the pole using the hardware provided.

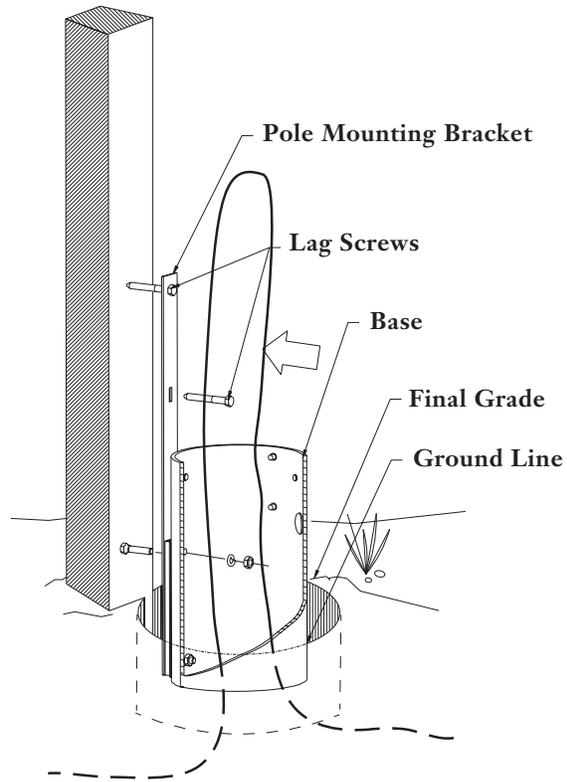


Figure 4

5.3 Integral Stake Pedestal Mounting

Place a board on top of the base (Figure 5), ensuring the cable is in front of the board to prevent damage. Drive the base into the ground using a hammer or a mallet until the ground line is even with the grade level (Figure 5).

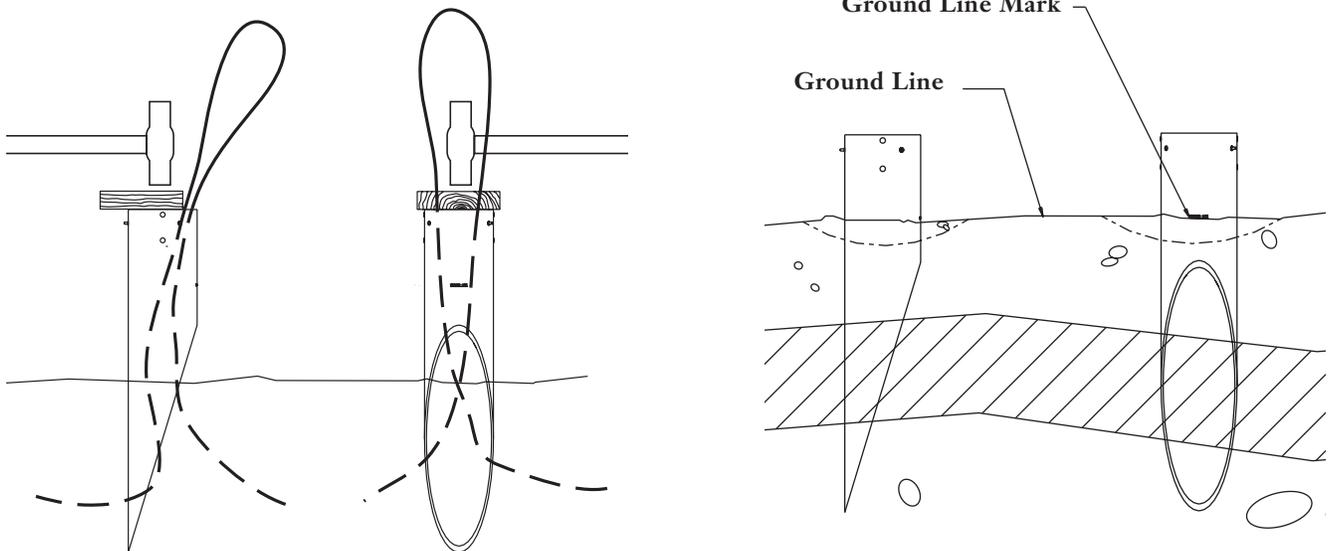


Figure 5

6. GROUNDING

If grounding is necessary, obtain a #6 or greater AWG ground wire and ground the pedestal per standard practices and local codes. If using the metal stake for grounding purposes, remove paint, if present, from the area where the grounding will take place to ensure metal-to-metal contact.

7. COMPLETING THE INSTALLATION

- Step 1** Back fill the dirt around the pedestal firmly to ensure the base does not move (Figure 6). Replace the dirt on the inside of the pedestal to a level 7 inches below the top lip of the base.
- Step 2** Use the plastic accessory bag as a moisture barrier by inserting the plastic bag into the base on top of the fill dirt. Fit the bag around the cables to cover as much of the surface area as possible.
- Step 3** Install the universal backboard or “C” bracket in the base and perform any required splicing or terminating.
- Step 4** Fill the base with 5 inches of clean, dry pea gravel, no larger than 5/8-inch size, or as required by local standards or codes.
- Step 5** Install the dome (cover) on the base, twist to engage the slotted capture feature, and tighten the security bolt. The completed installation is shown on the right (Figure 7).

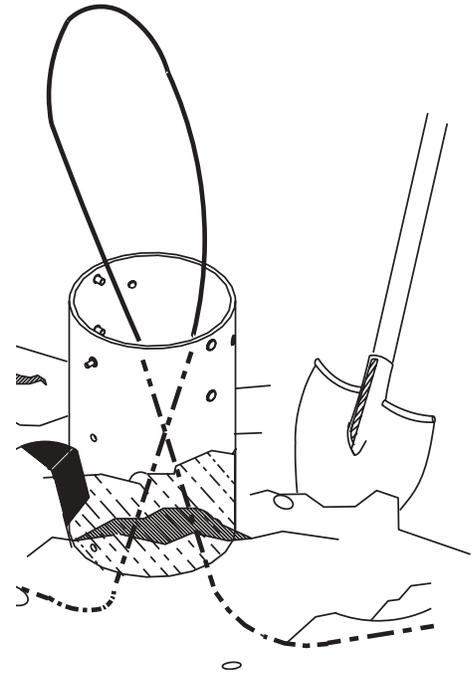


Figure 6

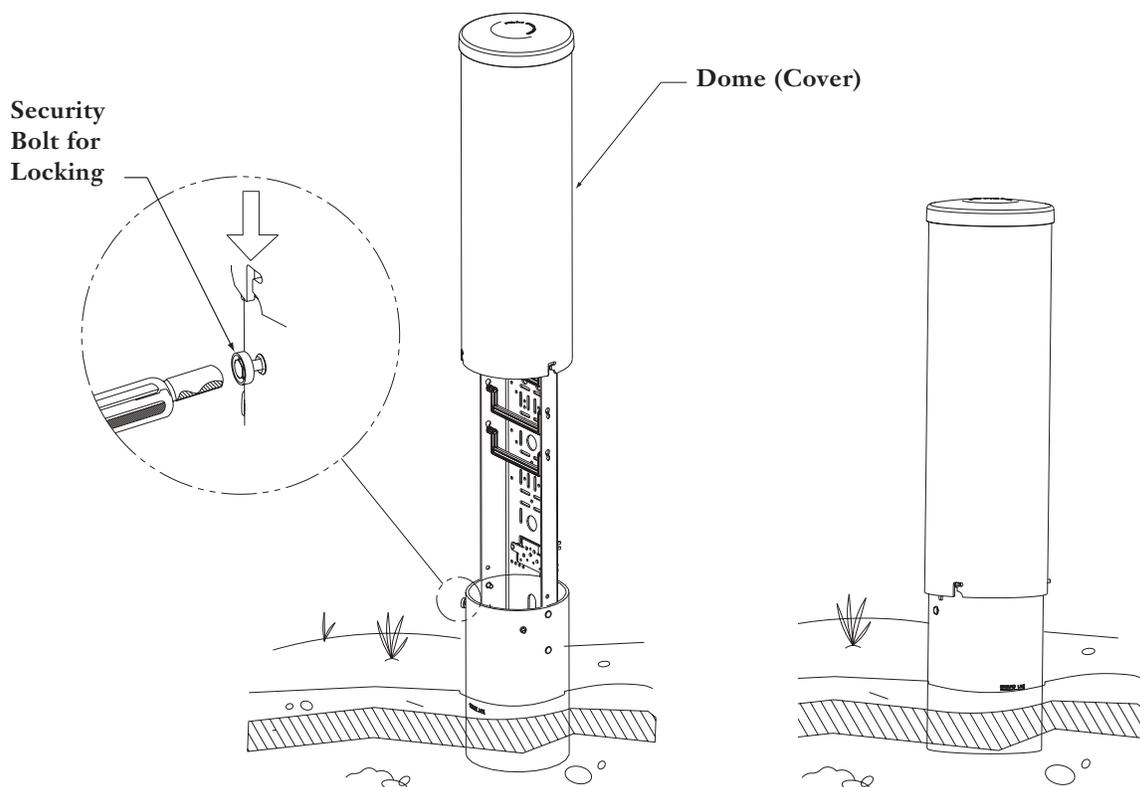


Figure 7

8. MAINTENANCE AND REPAIR PROCEDURES

No routine maintenance of the pedestal itself is required to maintain normal operation of the unit. To reenter the dome (cover) for maintenance of any installed electronic equipment or terminal blocks, loosen the security bolt, twist the dome to release it from the slotted capture feature, and lift the dome straight up (Figure 7). Reverse the process to replace and secure the dome once maintenance has been performed.

In case of damage to a pedestal base or dome, contact a Corning Cable Systems customer service representative to order a repair base or replacement dome in the size required. Remove and replace the dome as described in the paragraph above. To replace a damaged base,

- Step 1** Remove the dome as described in the paragraph above.
- Step 2** Remove the “C” bracket or universal backboard from the damaged base taking care not to disturb the connections or wiring. Detach the ground wire, if applicable.
- Step 3** Cut away and remove the damaged base. Open the repair base at the split, and place the repair base in the hole around the cables and other installed equipment.
- Step 4** Reattach the “C” bracket or universal backboard previously removed. Reconnect the ground wire, if applicable.
- Step 5** Reinstall the dome.

Other accessories may be ordered from your customer service representative to provide expanded capacity inside the pedestal.

Customer Service—US or Canada: 1-800-743-2671
International: +1-828-901-5000
Fax: +1-828-325-5060

Corning Cable Systems LLC, PO Box 489, Hickory, NC 28603-0489 USA

<http://www.corning.com/cablesystems>



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