Buried Cable Pedestal Installation Instructions

This installation instruction applies to the following buried cable pedestals:

- CPLS (Charles PEDLOCK® Splice)
- CPLM (Charles PEDLOCK® Magnum)

Note: Failure to follow this procedure could result in the pedestal not performing properly.

Step	Action
1.	Remove the dome and backboard or bracket from the pedestal and set them aside for later use. If not already installed, seat the drop wire channel into the stays inside the base. The top of the channel should be pushed up against the stops near the top lip of the base. Insert the foam plug into the top of the channel, leaving 1/3 to 1/2 of the plug positioned above the top of the channel. For pole mount pedestals, attach the pole mounting bracket to the base with the hardware provided (see Figure 7).
2.	Feed the cable up through the bottom of the base and guide it out the top. Any looped cable should be started as low as possible in the trench or pit so as not to interfere with the installation.
3.	**Pole Mount** (solid base or split base) Position the bracket on the pole so that the ground line marker is at the final grade level. Fasten the bracket to the pole with the lag screws provided (see Figure 7). **Stake Mount** (solid base or split base) Position the mounting stake inside the line of the cable with the base facing out. Drive the stake until approximately 4 inches remain above the final grade level. Attach the base to the stake (see Figure 8). **Integral Stake Mount** Position the base inside the line of the cable with the open section facing out. If additional depth is required, push the cable toward the front of the base and place a board across the top of the base behind the cable. With a hammer or mallet, drive the base further into the ground until the ground line marker is at final grade level. This level is to ensure easy placement and/or removal of the pedestal dome, and to allow proper ventilation of the pedestal (see Figure 9).
4.	Back fill the trench or pit around the pedestal and tamp the soil firmly. Back fill dirt into the base to approximately the ground line and tamp firmly. This will add stability and prevent gravel from falling out through the bottom of the base after placement.
5.	Remove the backboard or bracket from its plastic bag and insert the bag into the base on top of the fill dirt, fitting it around the cables.
6.	Add approximately 5 to 5 1/2 inches of clean, dry pea gravel to the inside of the base. The gravel used should be no larger than 5/8 inch in size and non–porous. Install the backboard or bracket onto the base.
7.	Using Figure 2 and/or Figure 5 as a guide, depending on the pesdestal configuration, measure the top of the base and make the appropriate sheath opening in the cable. Secure the cables to the bottom two splice bars or the backboard.
8.	Using an approved cable bonding connector, bond each cable opening to the bonding bracket.
9.	Reference Figures 3, 4, and 5 for splicing guidelines within your company.
10.	Install the dome onto the base and secure it by tightening the locking bolt.
11.	Restore the area to its proper grade and appearance.
12.	For further information, refer to the appropriate Charles Industries PEDLOCK Installation document as well as any applicable company procedures.

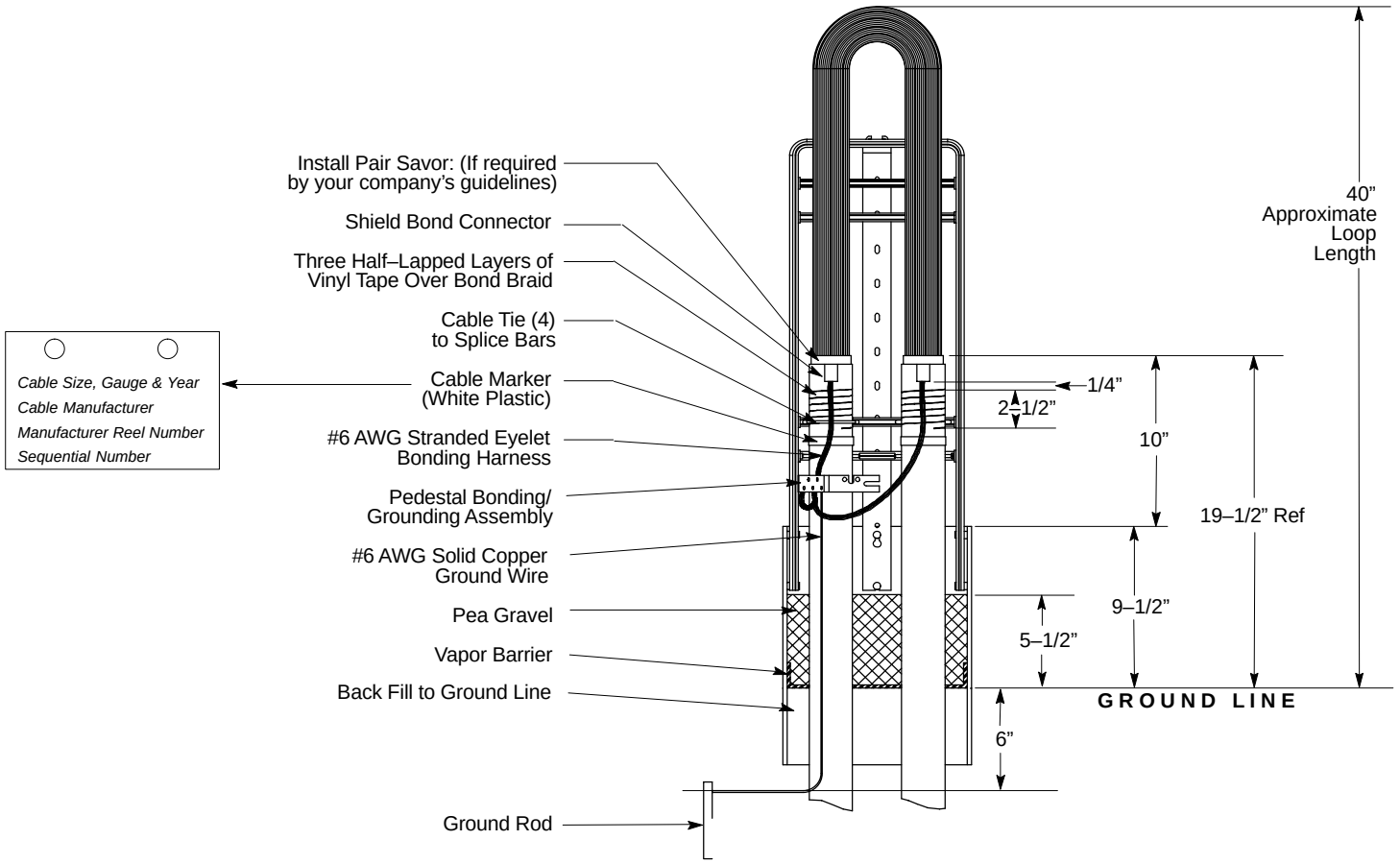

Figure 1. CPLS Series Cable Pedestal

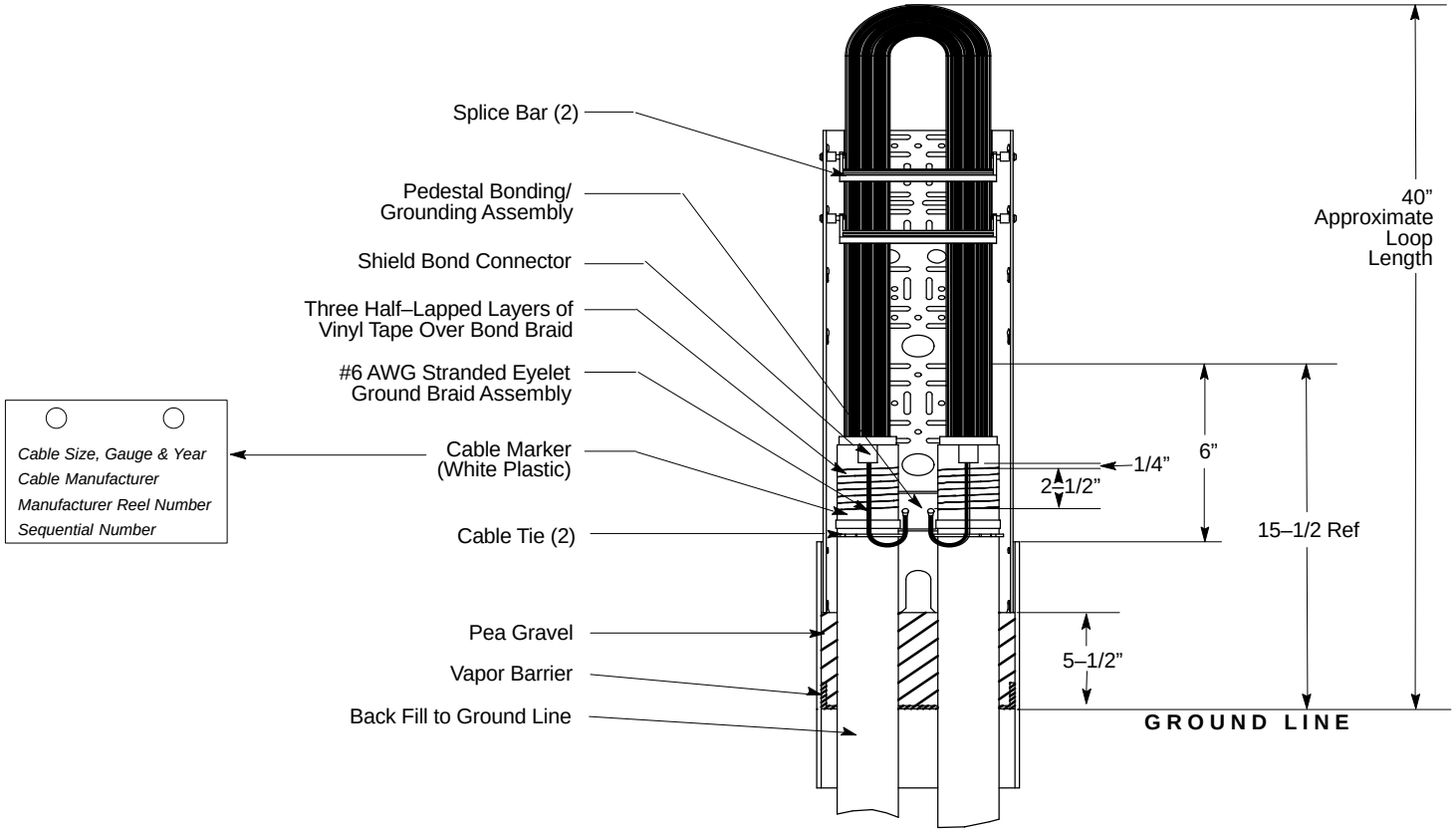

Figure 2. CPLM Cable Pedestal

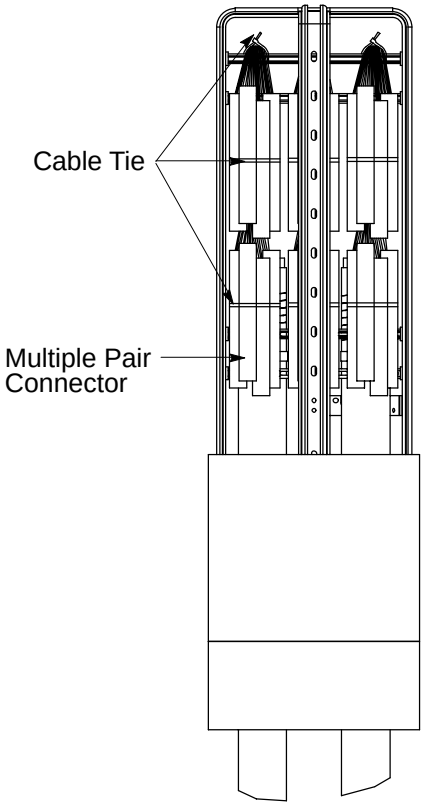

Figure 3. CPLS – Multiple Pair Splice Configuration

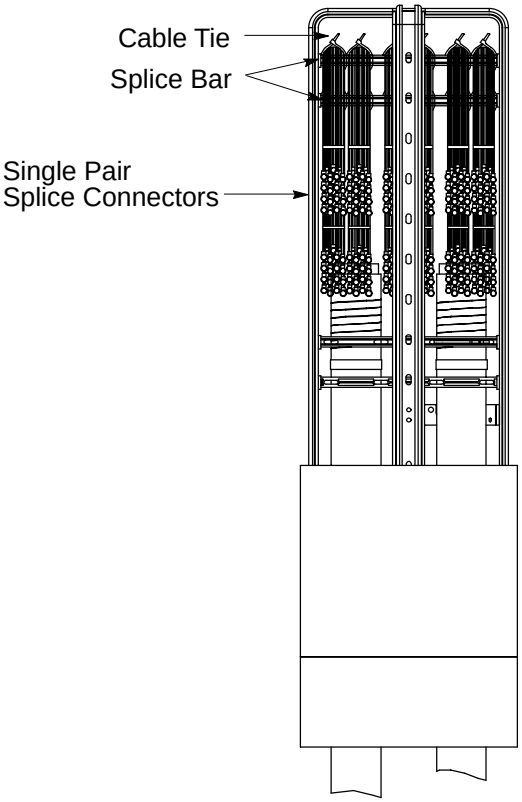

Figure 4. CPLS – Single Pair Splice Connectors

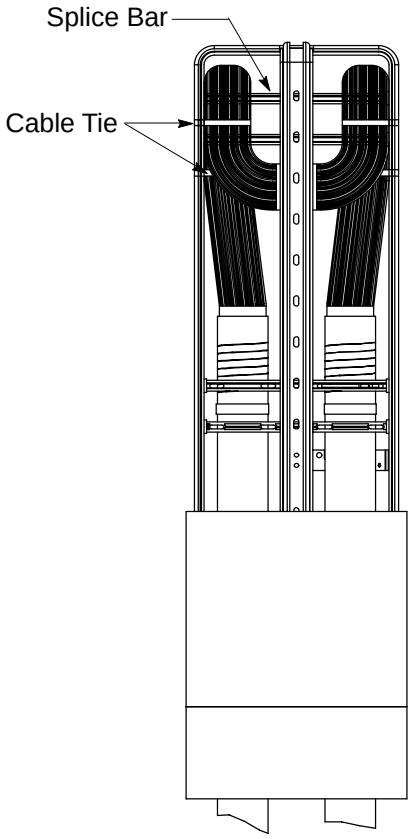

Figure 5. CPLS – Loop Splice Configuration

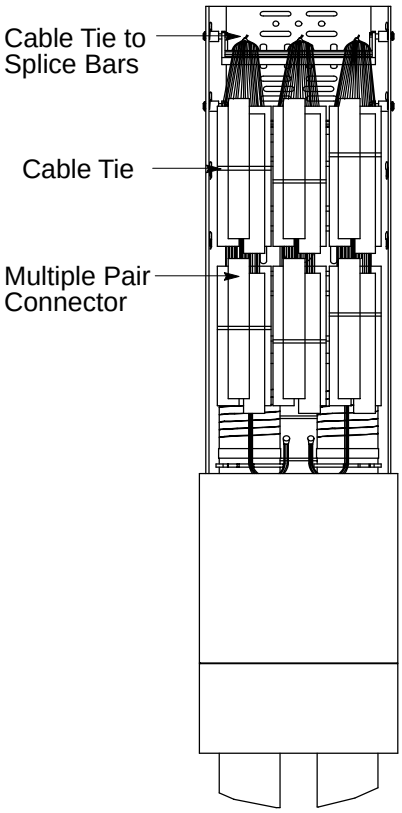

Figure 6. Magnum – Multiple Pair Splice Configuration

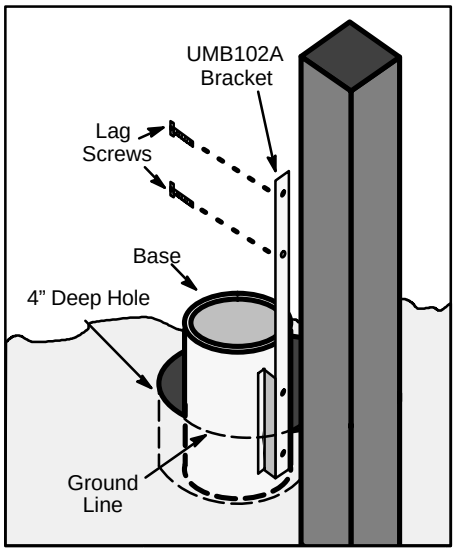

Figure 7. Pole Mounting

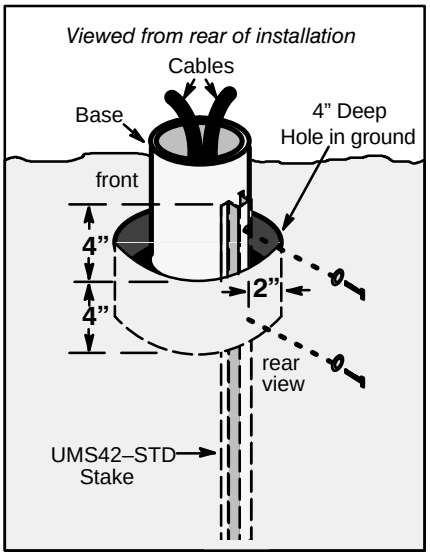

Figure 8. Stake Mounting

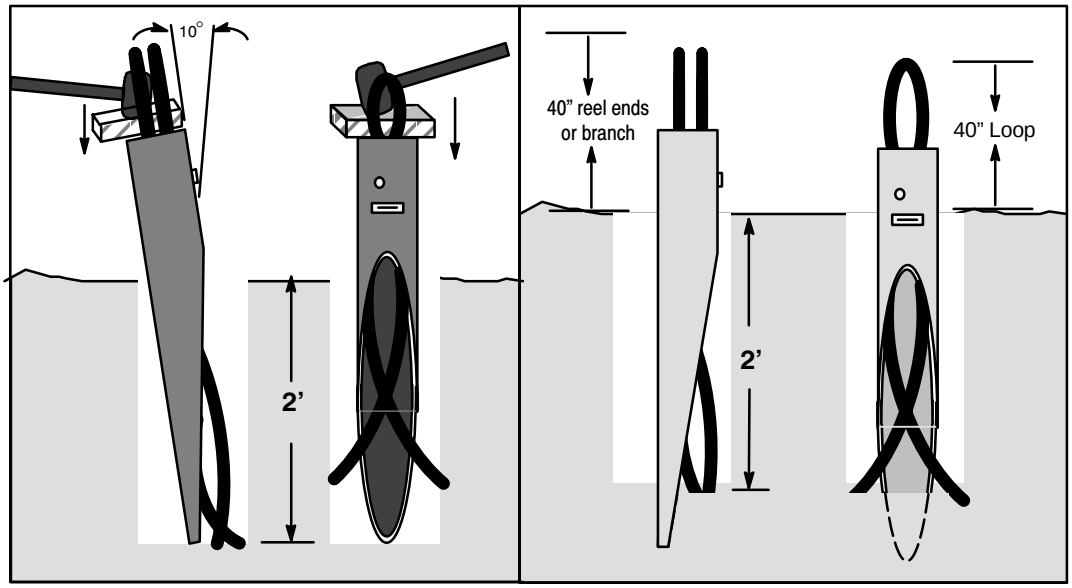

Figure 9. Integral Stake Mounting

Note: On CPLS Series Pedestals a loop length of 40 inches (which includes the loop and/or cable ends), as described in Figure 1, is for pedestals 10 inches or larger. When utilizing CPLS 8 and/or smaller pedestal sizes an approximate loop of 35 inches (including the loop and/or cable ends) should be used.)

Splice Bar Configurations: The CPLS 4 is equipped with only one splice bar. (When splicing, tie feeder cables to the inside of the brackets using cable ties and waterfall the conductors over the splice bar and cable tie.)

The CPLS 6 and 8 are equipped with three splice bars. (See Figure 1 for tying off feeder cables. Waterfall conductors over the top splice bar and cable tie.)

The CPLS 10, 12 and 14 are equipped with four splice bars (see Figure 1).