

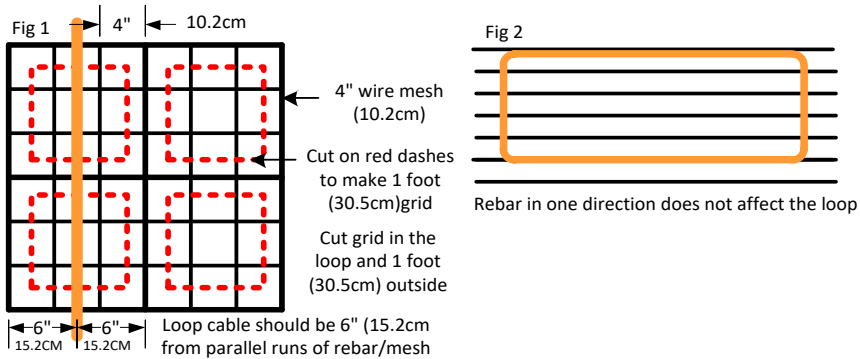
Paver Installation:

If the sub base is gravel, the PLB loop can be trenched into the gravel. Use ¼" (6.35mm) stakes to hold in place.

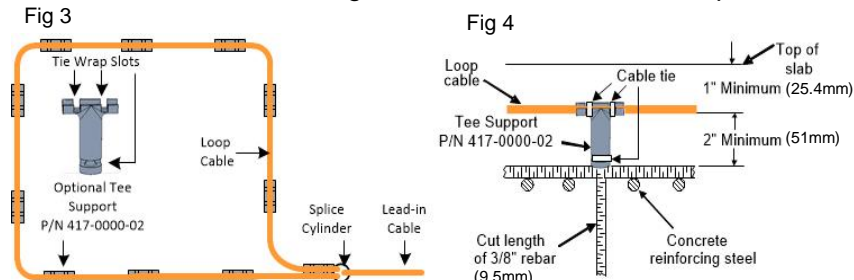
If the sub base is concrete or asphalt, the PLB Loop can be saw cut in or placed on the surface. Use mastic to hold in place before the sand base is applied. A 1" (25.4mm) hole should be drilled in the sub base for the splice cylinder.

Poured Concrete installation:

IMPORTANT: Rebar and wire mesh can reduce the sensitivity of the loop as much as 90%. When rebar is tied in a grid, each grid is an electrical circuit that reduces the loop fields. If the grid is less than 1 foot (2.54cm), try to make the grid 1 foot (2.54cm) around the loop (see Fig 1). Rebar in one direction does not affect the loop (see Fig 2). The loop can be supported 2" (5cm) above the rebar/mesh (see Fig 3 and 4).



1. Place the PLB Loop in the proper position and orientation on top of the concrete reinforcing steel or mesh.
2. Route the lead-in cable to the desired termination point.
3. Use Support Tees (P/N 471-0000-02) as shown in Fig 3 every 2 to 3 feet (61 to 91cm). Cut an equal number of lengths of 3/8" (9.5mm) rebar.
4. Use the tees, rebar and nylon cable ties to hold the loop cable in place (see Fig 4). The lead-in cable can be tied directly to the concrete reinforcing steel.
5. Pour the concrete making certain not to disturb the loop cable.



3510 E. Atlanta Ave.
Phoenix, AZ 85040 USA
Telephone: (480) 968-6407
Fax: (602) 437-1996
Website: www.editrtraffic.com
E-mail: contact@editrtraffic.com

RENO PLB SAW CUT or DIRECT BURIAL Loop

Installation Instructions:

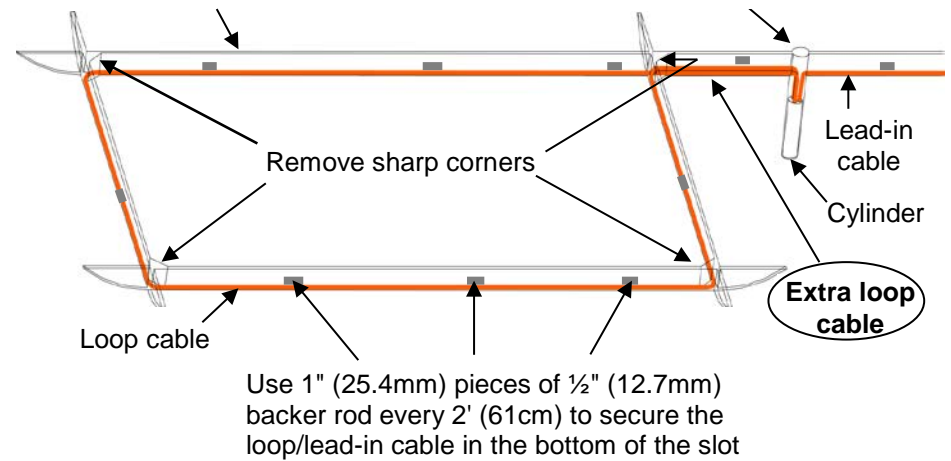
PLB- _____ ← Lead-in Length (feet)
 _____ ← Loop Perimeter (feet)

Standard Loop Sizes: 18' (5.5m), 20' (6.1m), 24' (7.3m), 28' (8.5m), 32' (9.8m), 36' (11m), 42' (12.8m), 44' (13.4m), 52' (15.8m)

Standard Lead-in Lengths: 20' (6.1m), 50' (15.2m), 100' (30.5m)

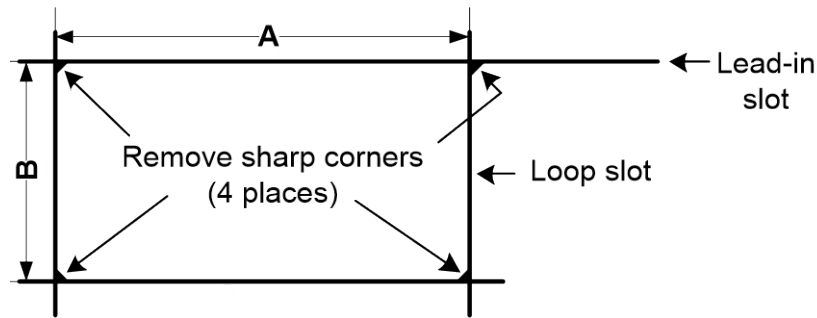
¼ inch (6.35mm) wide saw cut installation:

¼" (6.35mm) wide saw cut
 Minimum depth 1¼" (31.75mm)
 1" to 1¼" (25.4 to 31.75mm) diameter cylinder hole



1. Mark the loop and lead-in layout on the pavement.
2. Using a ¼ inch saw blade cut the loop and lead-in slots to a minimum depth of 1¼" (31.75mm).

- Remove sharp inside corners.

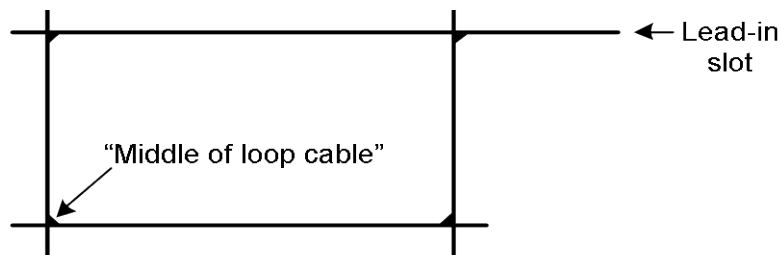


- Thoroughly clean the entire length of the slot using compressed air, vacuum, etc. Verify the bottom of the slot is smooth and clean.

- Hold the loop cable together and find the "middle of loop cable".



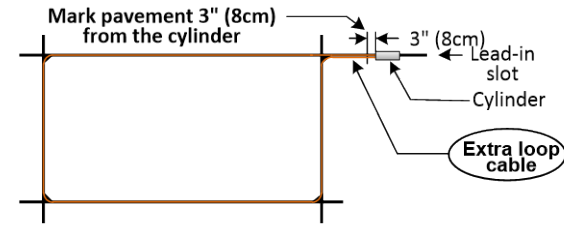
- Install the "middle of loop cable" into the corner opposite the lead-in location.



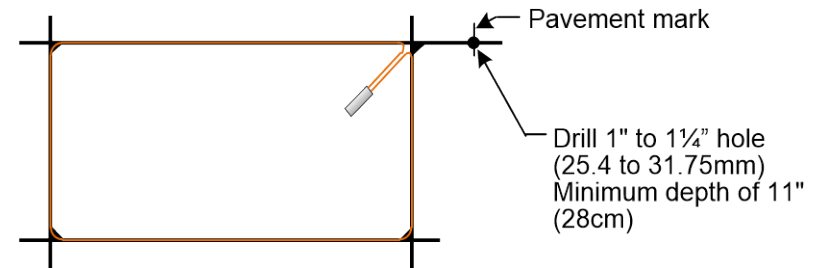
- Install the loop cable in the slot. Use a wood stick or roller to press the loop to the bottom of the slot. Do not use sharp objects. Use 1" (25.4mm) pieces of 1/2" (12.7mm) backer rod, as necessary, to hold the cable in the bottom of the slot.

- Insert the extra loop cable in the lead-in slot.

- Mark pavement 3" (8cm) from the cable end of the cylinder.



- Pull the cylinder and cable back. Drill a 1 to 1 1/4 inch (25.4 to 31.75mm) hole through the pavement into the soil (prevents water accumulation in the hole).



- Insert the cylinder in the 1" to 1 1/4" hole.

- Install lead-in cable in lead-in slot using pieces of backer rod and a wood stick or roller.

- Using a proper loop sealant completely fill the entire length of the slot with loop sealant.

Hot asphalt installation:

WARNING: PLB Loop must have a 1 inch (25.4mm) barrier from hot asphalt. For direct burial in hot asphalt use the PLH Preformed Loop.

- Layout loop and dig a 2" (5cm) deep x 2" (5cm) wide trench in the base for the loop and lead-in cables. Dig about a 6" (15cm) hole for the splice cylinder.
- Use 1/4" (6.35mm) stakes to hold in place and cover with base material. The loop is ready for the hot asphalt overlay.