

# INSTALLATION

## Preformed Flexible Conduit Pavement Loop

This Flexible Conduit loop was designed for use in new construction. The conduit is a ribbed non-metallic material providing full protection for the loop contained within.

### Preparation for Asphalt

- A. Determine the proper location for the loop, keeping the "T" and lead-in wire closest to the control box.
- B. Arrange flex conduit into a rectangle or shape and loop dimensions required for the job.
- C. The loop may be installed in the sub base (Fig 10) or simply placed on the surface and covered with light coating of sand or dirt.
- D. Protect lead-in wire by means of an additional length of 1/2" flexible or rigid conduit of a non-metallic material. This conduit containing the lead-in should also be covered as above, wherever the asphalt would make contact with the conduit.

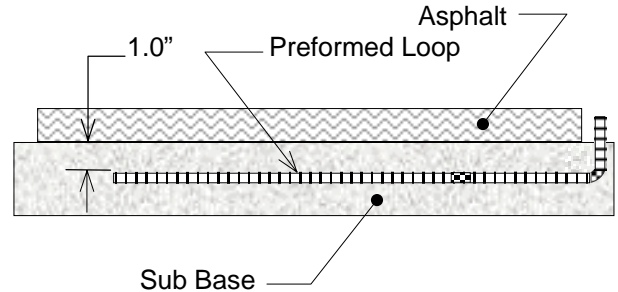


Figure 10: Asphalt Installation

### Preparation for Concrete

- A. Follow steps A & B above.
- B. Do not lay the loop directly on the rebar or wire mesh. Maintain a minimum of 3" away from any metal. (See Figure 11)
- C. When installing over rebar or wire mesh, use non-metallic stakes to suspend the loop above any metal reinforcements.

**Note:** You may opt to wait until the cement is poured and then float the loop into the cement, again maintaining a minimum 3" clearance from any metal reinforcement.

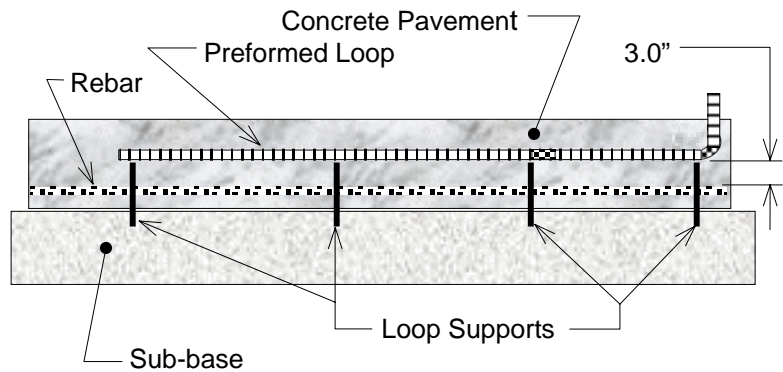


Figure 11: Concrete Installation

### Gravel Roadway Installation

- A. Follow steps A & B above.
- B. Excavate to approximately one inch below the loop installation level.
- C. Back-fill the bottom one-inch with sand and pack firmly.
- D. Install the loop and lead and cover with sand to within three inches of the top of the trench and pack firmly.
- E. Back fill the remainder of the trench with gravel and pack down.

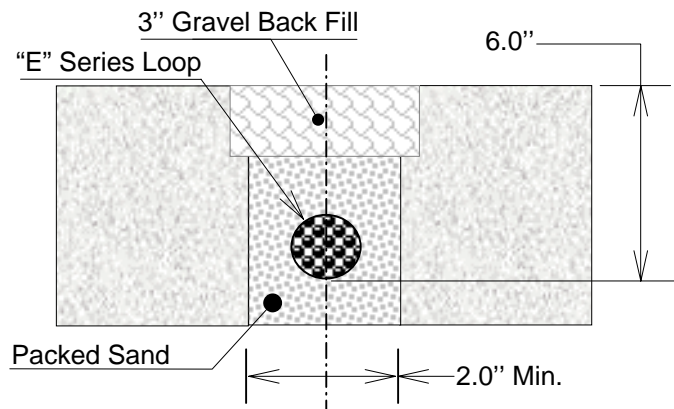


Figure 12: Gravel Installation