

The purpose of this guide is to assist the general contractor or other user with the installation of the DuoTrench Pedestrian Channel System.

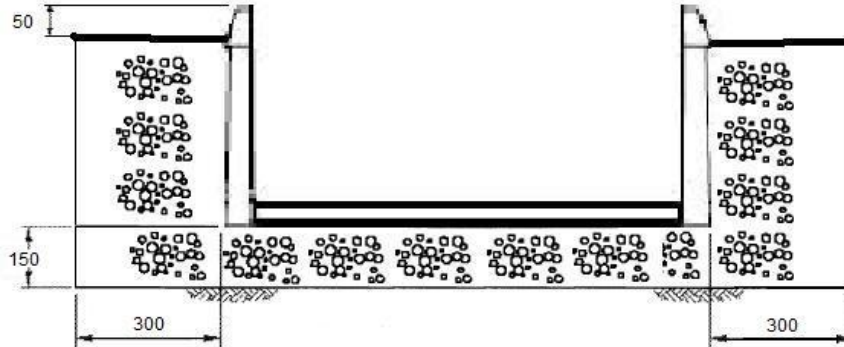


Figure 1 : Positioning of the trench in the ground

1. Dig a ditch 600 mm wider than the trench (300 mm on each side) as shown in Figure # 1. For the widths of the channels, see the table below.

Models	Height of the channels	Exterior Widths
PT2016	442 mm	638 mm
PT4016	442 mm	1143 mm

Table 1 : Standard dimensions of the Pedestrian Channel Systems

2. Dig the ditch 100 mm deeper than the height of the trenches (for heights, see table # 1). This should position the top of the trench 50 mm higher than the final level of the ground.



Figure 2 : Measure of the depth and width of the ditch.

The Pedestrian Channel System

Recommended Installation Procedure

PI-4I



ISO 9001
2008

- Put the crushed stone (0-3/4") and compact it to reach a thickness of 150 mm (see Figure # 1).



Figure 3 : Filling and compacting.

- Set up the trenches in the ditch. The alignment of the trenches can be made visually or with instrumentation.



Figure 4 : Handling and installation

- Place a geotextile at the junctions of the trenches, a minimum of 8" on each side of the junction. So a strip of 16" is recommended.

6. Keep the wood blocks on the trenches prior to backfilling and compaction.



Figure 5 : Keep the wood blocks

7. The backfill material is placed along the walls of the trenches. Backfilling should be done simultaneously on both sides of the trench and in layers of 200 mm and compacted. For the filling, crushed stone 0-3/4" is required.



Figure 6 : Fill both sides simultaneously.

- At the end of filling, the top of the trench should be installed 50 mm higher than the final surface of the ground. Appropriate signage must be installed along the entire route of Pedestrian Channel System to prevent vehicles from approaching within 2 feet of channel system.



Figure 7 : Final level of the trench after installation

- Finally, when the cables are in place, put the High Density Polymer Concrete covers in place.



Figure 8 : Installation of the covers