

PlumbingVoid™ System Technical Notes

PlumbingVoid™ is a product comprised of polypropylene plastic and #3 rebar. The polypropylene material is manufactured as a ribbed plastic panel. This plastic material has perpendicular supports connecting the exterior faces in order to form a supportive sheet. The top cap is a slit-score polypropylene panel that forms an inverted U-shape. The simple formation of U-shaped rebar in the open flutes of plastic retainers, form ridged side panels that resist lateral soil pressures. Once the pipes have been sloped, Clevis brackets are positioned with additional top U-shaped rebar pieces in order to space the side retainers and help anchor the clevis hangers in the slab. Interior spacers are positioned to provide additional lateral support. After the piping is inspected in the open trench, the slit-scored top caps pieces are then positioned and all trenches are ready for backfill. Once backfilled, the underlying, swelling soils can now vertically expand into the empty space, therefore eliminating the costly damage from leaking and broken pipes.

TYPE AVAILABLE

- ◆ PlumbingVoid™ System

TECHNICAL DATA

- ◆ U-shaped bars - # 3 Rebar - conforms to ASTM, A-615 standards - plain carbon-steel
- ◆ Sides & Top Cap - ½" thick or (13 mil) polypropylene plastic

COMPONENT DIMENSIONS

- ◆ Height - approximately 18" to 36"
- ◆ Width - approximately 12" to 24"
- ◆ Length - approximately 48"

ADVANTAGES

- ◆ Lightweight
- ◆ Component are easy to install when assembled in sequence
- ◆ Rebar supports positioned approximately 12" on center resist lateral soil pressures
- ◆ All plastic components are impervious to water
- ◆ Top U-shaped rebar space the sides and support the suspended plumbing

INSTALLATION RECOMMENDATIONS

- ◆ Excavate the trench wider than the system in order to position assembled sections
- ◆ Excavate the trench deeper if granular base support is used for inclement weather
- ◆ Place lateral pieces at base of trench before installing system to help support system in damp soil
- ◆ Position U-shaped rebar into the open flutes of the side retainers approximately 12" on center
- ◆ Position top rebar supports
- ◆ Position all-thread/clevis hangers which suspends the piping
- ◆ Position interior spacers to provide additional lateral support
- ◆ Adjust clevis hangers to the required elevation
- ◆ Install top cover material