

# PVC PIPE ASSOCIATION TECHNICAL BRIEF

## GUIDE FOR PVC SEWER FITTINGS AND LATERALS

Uni-Bell has recently published a 14-page document titled “Design and Installation Guide – PVC Fittings and Laterals for Solid-Wall PVC Sewer Pipe.” In addition to design and installation information, the guide includes a list of applicable standards and descriptions of PVC fittings types and sizes that are available.

### Included in the Guide

The guide’s contents include:

- Standards and specifications
  - o Standards: lists of appropriate ASTM and CSA standards for PVC fittings products and installation
  - o Specifications: suggested wording for project specifications
- Products
  - o Size range: from 3- through 60-inch fittings for solid-wall PVC pipe
  - o Configurations – wide assortment including:
    - a. Main-line fittings
    - b. Service-line fittings
    - c. Connections to dissimilar materials
- Design
  - o Burial depth
  - o Soil compaction
  - o Accommodating pipe movement
- Installation
  - o Considerations
  - o Recommendations



### Proper Design and Installation – Optimizing Performance

The heart of the guide is information on the design and installation of PVC risers. The intent is to provide guidance that can prevent problems that occur when risers are not correctly designed and/or constructed.

One major point is that fittings problems are caused by stress, not by depth of bury – appropriate design and installation methods are necessary to minimize stress and optimize system performance.

To download the guide, [click here](#).

For additional information, see:

- Uni-Bell’s Handbook of PVC Pipe, Chapter 12
- Uni-Bell’s “Installation Guide for Solid-Wall PVC Sewer Pipe” – [click here](#) for the installation guide

References: “Design and Installation Guide – PVC Fittings and Laterals for Solid-Wall PVC Sewer Pipe,” Uni-Bell PVC Pipe Association, 2015; “Installation Guide for Solid-Wall PVC Sewer Pipe,” Uni-Bell PVC Pipe Association, 2013; *Handbook of PVC Pipe*, Fifth Edition, Uni-Bell PVC Pipe Association, 2013

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