



Recommended Installation Procedures for Field Installation of Pipe Connections into Cast or Cut Openings in Manholes or other Precast Concrete Sections

Local jurisdictional or project requirements may specify the means and methods of connecting pipes into manholes and other precast concrete sections. Those requirements may supersede these recommendations:

1. Handle pipe sections with care to avoid chipping of the spigots or bell grooves. Balance pipe sections when lifting and moving, do not drag pipe along ground. Assure that pipe is always lifted and handled in a safe manner.
2. Clean the pipe section that penetrates the manhole or precast section wall as well as the receiving opening to ensure that they are free from debris.
3. Insert the pipe section into the receiving opening until it breaks the plane of the inside wall of the manhole or other precast concrete section.
4. Position the pipe at the appropriate angle and elevation. Pipe may or may not be centered in the opening, as opening sizes and locations are usually designed for field adjustment.
5. If a cementitious grout is to be used as a seal, clean and moisten all surfaces to be grouted. The grout should be mixed in accordance to the grout manufacturer's recommendations and be of a consistency so that it will not flow when applied, unless the grouted area is to be contained by formwork. Apply the cementitious grout in a manner to ensure filling of all voids between the pipe and the receiving opening.
6. If brick, masonry block, or other masonry units are to be used with mortar, thoroughly wet the masonry units, area of pipe openings, and exterior walls of pipe and bond using standard masonry practice in such a manner as to provide a contiguous masonry connection between the manhole or precast concrete section and the penetrating pipes. Fill the remaining exterior and interior voids with mortar and shape to the contour of the manhole or precast concrete section.

Concrete Pipe & Precast. LLC

11352 Virginia Precast Road, Ashland, Virginia 23005, Main 804.798.6068

www.concretepandp.com