

Scope

This specification designates the requirements for 30-inch through 48-inch (760 to 1200mm) Prinsco GOLDPRO Storm Dual Wall Catch Basins.

Applications

Used for surface intake of water and collecting several drainage pipes in one location. They may be used in conjunction with highway drains, storm sewers, and subsurface drains in low traffic areas.

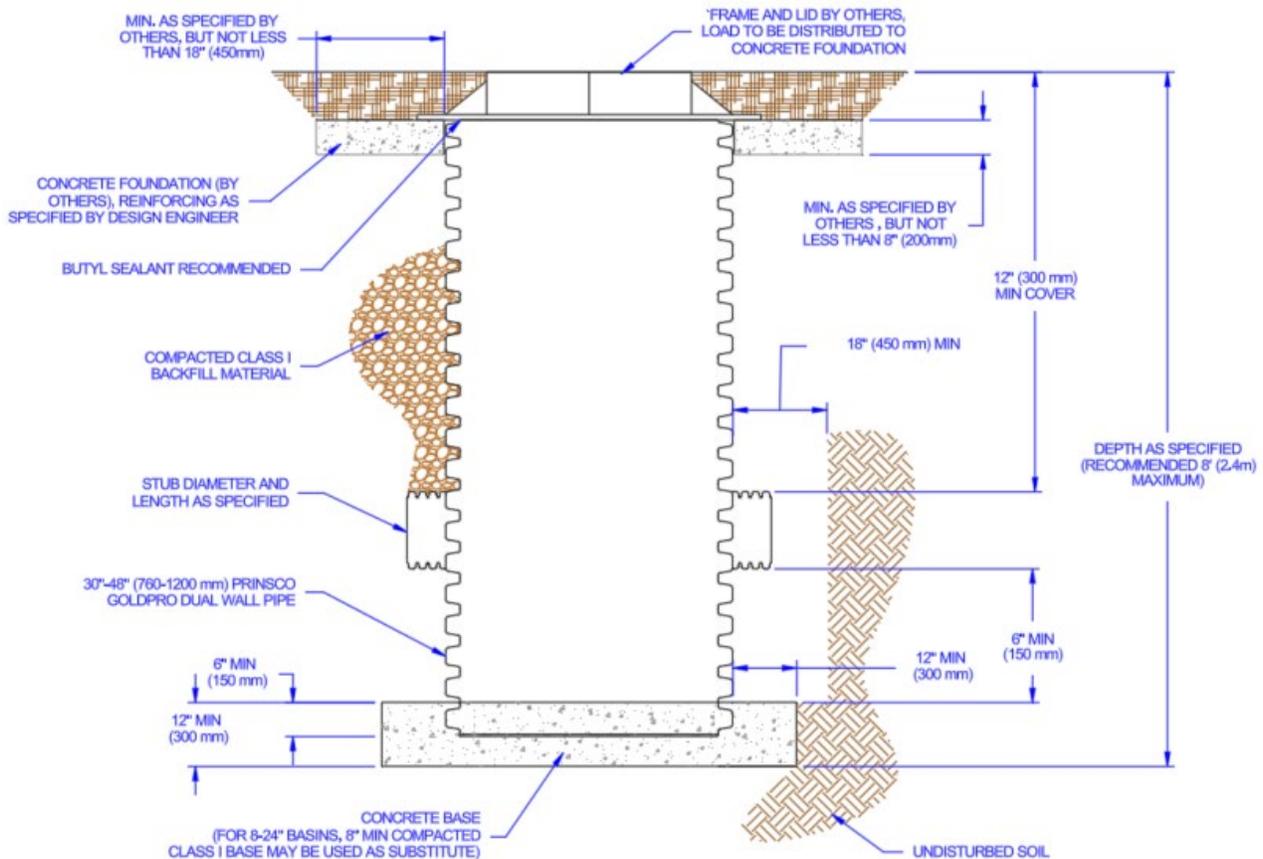
Requirements

Prinsco GOLDPRO Dual Wall Catch Basins are manufactured with GOLDPRO Storm dual wall polypropylene pipe which shall have annular exterior corrugations with a smooth interior and shall meet the following standards:

- 30-inch through 48-inch (760 to 1200mm) shall meet ASTM F2881 and AASHTO M330, Type S

Material Properties

GOLDPRO Storm pipe and fabricated fittings shall be manufactured using virgin Polypropylene (PP) compounds meeting the requirements of ASTM F2881 and AASHTO M330. Polypropylene compounds shall be comprised of the base polypropylene virgin resin and all additives, colorants, UV inhibitors, and stabilizers. Conditioning, sampling, preparation, and testing of molded specimens shall be in accordance with the requirements in ASTM D4101.





Catch Basin Design

Catch Basins can be manufactured in 30-inch through 48-inch (760 to 1200mm) diameters with heights ranging from 2- to 8-feet (0.6 to 2.4m). Taller basin heights can be achieved under special fabrication and installation requirements; contact your local Prinsco representative for more information. Elevations of inlet and outlet stubs can be positioned on the catch basins based on project requirements; specific dimensions may vary slightly based on fabrication capabilities and corrugation locations. Inlets and outlets are installed by welding and fusing pipe stubs on to the catch basin riser. The bottom of the catch basin can remain open to allow water to leach into the soil, have a concrete base installed, or a polypropylene bottom can be welded on to the catch basin riser.

Installation

Catch basins shall be installed in accordance with ASTM D2321 and Prinsco's installation guidelines. Compacted Class I (Clean, crushed stone) material is recommended for the backfill surrounding the basin. Proper backfill placement and compaction around PP pipe in vertical applications is critical for long term performance. Installation of this product must be securely enclosed with a locking lid.

Reference Specifications

This specification references the latest edition and revisions of the following standard specifications:

- ASTM F2881 – Standard Specification for 12 to 60 in. (300 to 1500 mm) Polypropylene (PP) Dual Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications
- AASHTO M330 – Standard Specification for Polypropylene Pipe, 300- to 1500-mm (12- to 60-in) Diameter
- ASTM D4101– Standard Specification for Polypropylene Injection and Extrusion Materials
- ASTM D2321 – Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications