SPECIFICATIONS

PERCOLATION CATCH BASIN

SCOPE
These specifications apply to all 300 mm (12 in) to 900 mm (36 in) diameter percolation catch basins used to collect surface runoff and replenish ground water.

MANHOLE REQUIREMENTS
For roadway use, the catch basin will consist of a smooth outer wall on the upper part and a corrugated outer wall on the lower part. For non-roadway use, the catch basin will consist entirely of a corrugated outer wall. In both cases, the lower part will be perforated to allow percolation. It shall be manufactured from a single part based on the specified height and shall meet CL-625 highway loading requirements as defined in standard CAN/CSA-S6-06, H-25 or HS-25 as defined in standard AASHTO.

PRODUCT COMPONENTS
The percolation catch basin components shall be made from high-density polyethylene (HDPE) resin that complies with standard ASTM D3350.

JOINT PERFORMANCE
- 100 mm (4 in) to 250 mm (10 in): double bell with integrated gasket (DBIG). The DBIG and Solflo Max assembly is certified as per standard CSA B182.8, Type 1. The gasket shall be co-injected into the bell and shall overlap two corrugations.
- 300 mm (12 in) to 900 mm (36 in): bell with integrated gasket with clips (BIGC). The BIGC and Solflo Max assembly is certified as per standard CSA B182.8, Type 1. The gasket shall be co-injected into the bell and shall overlap two corrugations.

GRATES AND COVERS
- For roadway use, frames and grates shall be made of cast iron and adjustable, allowing transfer of loads to the surrounding soil for 450 mm (18 in) to 900 mm (36 in) diameter catch basins.
- For non-roadway use, grates shall be made with HDPE, for 300 mm (12 in) to 450 mm (18 in) diameter catch basins and frames and grates shall be made from S Series cast iron, for 300 mm (12 in) to 900 mm (36 in) diameter catch basins.

DIMENSIONS AND QUANTITIES
Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION
Installation of the percolation catch basin will be carried out in the same way as a conventional catch basin but using crushed washed stone backfill, and following Soleno's recommendations. Contact the Soleno representative in your region or visit our website at soleno.com for installation recommendations.