

Weir Structure

The Weir Structure is a Nyloplast® PVC or HP Polypropylene Basin with a panel or plate device secured inside the structure. The weir structures are manufactured to the precise plan design specifications and sent to the job site ready to install.

How the Weir Structure works?

- Stormwater flows into the Nyloplast PVC or HP Storm Manhole structure
- Water flow is diverted from the catch basin outlet, typically to a water quality device, to capture pollutants during the “first flush” of a storm event
- Weir Structure may also serve to restrict or regulate the flow of water exiting the drainage system. The restriction is determined by weir height and/or the orifice hole size in the weir plate

Benefits

- Simple and effective method to control water flow into a stormwater management system or water quality device
- Enhances ability of a water quality device to capture pollutants from storm event
- Allows for flexibility to re-direct water flow during a high-flow event
- Weir Structures can be customized for site-specific needs, including “key way slot” and “v-notch” weir designs, and high flow or low flow orifice hole designs to further regulate the flow of stormwater

Product Information

- Available for 24”, 30”, 36” and 48” (600, 750, 900 and 1200 mm) diameter HP Polypropylene Basin
- For use with 4”-36” (100-900 mm) watertight pipe connections
- Minimum sumps are required in Weir Structures
- Key measure is finish grade to top of weir device in drain basin
- Orifice hole diameter/placement based on direction from project engineer.

