## **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?

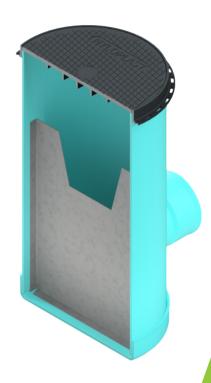
- Stormwater flows into the Nyloplast PVC or HP Storm Manhole structure
- Water flow is diverted from the catch basin outlet, typically to a water quality device, to capture pollutants during the "first flush" of a storm event
- Weir Structure may also serve to restrict or regulate the flow of water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

## **Benefits**

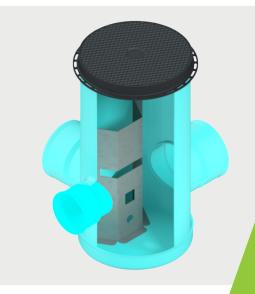
- Simple and effective method to control water flow into a stormwater management system or water quality device
- Enhances ability of a water quality device to capture pollutants from storm event
- Allows for flexibility to re-direct water flow during a high-flow event
- Weir Structures can be customized 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.









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