

Nassau County Type 1 and Type 3 Open curb storm sewer inlets

In Nassau County, NY two types of open curb storm drains are commonly specified; Type 1 and Type 3.

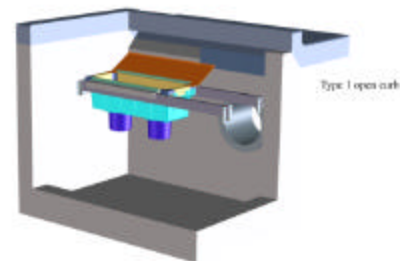
Both designs feature a vertical, metal grated inlet cut into the curbing which allows runoff water from the surface to enter the underground storm sewer system.

Behind the grate, water and other materials collect in a rectangular shaped vault which is connected to the underground piping system. Access for cleanouts and maintenance to the vault is provided by a 24" diameter manhole located in the concrete cover slab.

The two vault types differ in overall length of the curb inlet and the underground vault. Type 1 vaults have a 7'-7" inlet while Type 3 has a 9'-10" inlet. The vault on the Type 3 is also correspondingly longer.

Fabco Type 1 kit:

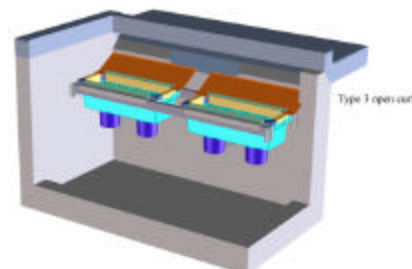
To treat water entering a Type 1 inlet, Fabco uses one StormBasin unit which features two filtering cartridges (StormBasin P/N 9730-1X & 2ea Cartridge P/N 9718-1). This StormBasin is positioned directly behind and below the inlet inside the vault using a fitting kit (P/N 9791-5-000). As the StormBasin overall length is less than the 7'-7" length of the inlet a special deflector plate is provided in the fitting kit. This deflector which installs inside the vault behind the grate directs or funnels the total water flow entering the inlet into the zone serviced by the StormBasin.



Fabco Type 3 kit:

Since the total length of the inlet and the underground vault is longer in the Type 3 design, Fabco has modified its design to adapt to the anticipated greater flows.

For Type 3 storm sewer inlets Fabco provides two (2) StormBasin units, with two filter cartridges provided per unit (total of 4). The two units offer twice the flow rate, debris/sediment storage capacity and emergency by-pass area compared to the Type 1 design.



To accommodate the length of the two StormBasins and the increased length of the vault a unique fitting kit (P/N 9791-5D-000) is supplied for the Type 3 design.