



stormwatersystems

Specification for StormX Netting Trash Trap

StormX Netting Trash Trap is a device for capturing trash and debris from storm water runoff and combined sewer overflows. StormX consists of a mounting hub and orifice that connects to a variety of structures and pipe, directing flow through connected nets for process screening. StormX is highly adaptable to both new construction and existing structures.

- I) Nets shall be reusable or disposable materials. Mesh size shall be determined by the engineer or owner.
 - a. Reusable nets shall be HDPE, black in color with 2.3% carbon black for UV stabilization.
 - b. Disposable nets shall be nylon or polyester, natural in color, with no UV stabilization.
 - c. Standard mesh sizes on disposable nets are 5mm and 10mm.
 - d. Standard mesh sizes on reusable nets are 25mm.
 - e. Orifice is available in all standard diameters.
 - f. Net length is standard 5'. Lengths up to 10' are available.
- II) Hubs and Clamping Rings are constructed using either Type 304 or Type 316 Stainless Steel.
 - a. All welders shall be qualified using AWS D 1.6 Standard
 - b. All stainless steel materials shall be originate and be fabricated in the United States.
 - c. Connecting hardware shall be furnished by others. All connecting hardware shall be same grade of stainless steel as StormX unit. No carbon steel or galvanized steel is allowed.
 - d. Net orifice and clamping mechanism are offered in standard pipe diameters.
- III) Use of StormX in Concrete Below Ground Vaults
 - a. StormX hubs shall be fabricated to fit into stainless steel guide rails for mechanical lifting (furnished by others).
 - b. Plans shall reflect allowance for overflow.
 - c. Hub shall consist of a minimum .250" thickness stainless steel plate, welded to round orifice for net fastening using net clamping ring.
 - d. Net shall be supported by stainless steel cradle welded to hub with cable connectors for raising and lowering assembly for clean-out.
 - e. Lay-out and dimensions shall be furnished by contractor or owner prior to fabrication.
 - f. Storm Water Systems shall furnish shop drawings for approval.



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- IV) Use of StormX in Concrete Weir Wall at Elevation
 - a. StormX shall be fabricated to mechanically attach to concrete weir walls.
 - b. One piece mounting hubs connects to concrete for manual clean-out, with orifice and net clamping ring.
 - c. Two piece unit features a mounting hub and orifice, with a detachable lifting hub for mechanical lifting with orifice and net clamping ring.
- V) Use of StormX as End of Pipe Connection to Concrete
 - a. StormX shall be fabricated to mechanically connect to interior concrete pipe. All pipe should exhibit structural properties, with no large cracks or voids.
 - b. Full Capture StormX shall be fabricated with overflows, and top vent. Flow consideration, as well as clean-out schedule to insure nets and overflows do not clog and allow disruption of flow. Can be fabricated in one piece or two piece unit.
 - c. Half-Pipe Weir StormX shall be fabricated with overflow by using a weir wall with a reducing hub, orifice and clamping ring. Can be fabricated in one piece or two piece unit.
- VI) Use of StormX End-of-Pipe Connection to Plastic Pipe
 - a. StormX can be connected to plastic pipe only using a concrete headwall.
 - b. StormX shall feature a flange connection using either Full Capture or Half Pipe Weir Wall StormX. Can be fabricated in one piece or two piece unit.
- VII) Use of StormX End-of Pipe Connection to Steel Pipe – Contact Us to Discuss
- VIII) Use of StormX on Other Applications – Contact Us to Discuss