THE UNIVERSAL BMP FOR STORM SEWER SEDIMENT CONTROL

State DOTs and Municipalities across the country are struggling to comply with mandates set forth by EPA to find a universally accepted structural BMP to address the issue of storm sewer inlet protection. Our solution is a configurable, adjustable filter frame suspension system and a high efficiency woven geotextile sediment bag. This inexpensive, configurable system offers more versatility to fit the wide array of drainage structures throughout the United States.

FLEXSTORM Inlet Filters are the preferred choice for inlet protection and storm water sediment control. Whether you’re the specifier or the user, it’s clear to see the benefits of FLEXSTORM Inlet Filters.

APPLICATIONS:
- DOT/Road Construction
- Commercial/Parking Lots
- Residential Developments
- Industrial/Maintenance

FEATURES & BENEFITS
- **Configurable**: steel frames configured to fit ANY storm drainage structure
- **Adjustable**: rectangular frames are adjustable in 1/2" increments up to 5" per side
- **Reusable**: replaceable geotextile sediment bags—non-woven or woven filter fabric available
- **Affordable**: low per-unit cost; installs in seconds; easily maintained with Universal Removal Tool (no machinery required)
- **Effective**: works below grade; overflow feature allows streets to drain with full bag
- Fits ANY drainage structure
- Reduce jobsite flooding and keep projects running
- Minimize residential complaints with cleaner, dryer streets during all construction phases
- Prevent hazardous road icing conditions by eliminating ponding at curb inlets
- Significantly reduce cleanup costs
- Prevent siltation and pollution of rivers, lakes and ponds
- Helps prevent fines; NPDES PHASE II Compliant
- Lowest cost alternative for the highest level of Inlet Protection

PREPARE FOR YOUR NEXT STORM!

Hancor Service: Hancor representatives and engineers are committed to providing you with the answers to all your questions, including specifications, installation, backfill recommendations and more.
HANCOR FLEXSTORM™ INLET FILTER SPECIFICATION

IDENTIFICATION
The Installer shall inspect the plans and/or worksite to determine the quantity of each drainage structure casting type. The foundry casting number or the exact grate size and clear opening size will provide the information necessary to identify the required FLEXSTORM Inlet Filter part number. See Product Selection Guides and Casting ID Forms at www.inletfilters.com.

MATERIAL
The FLEXSTORM Inlet Filter system is comprised of a corrosion resistant steel frame and a replaceable geotextile sediment bag attached to the frame with a stainless steel locking band. The sediment bag hangs suspended at a distance below the grate that shall allow full water flow into the drainage structure if the bag is completely filled with sediment.

The standard Woven Polypropylene Sediment Bags have a flow rate of 200 gpm per sqft. The NonWoven Sediment Bag option is available where required with a flow rate of 145 gpm per sqft.

INSTALLATION
Remove the grate from the casting or concrete drainage structure. Clean the ledge (lip) of the casting frame or drainage structure to ensure it is free of stone and dirt. Drop in the FLEXSTORM Inlet Filter through the clear opening and be sure the suspension hangers rest firmly on the inside ledge (lip) of the drainage structure. Replace the grate.

MAINTENANCE
The high efficiency sediment bags must be maintained if more than 50% full and should be inspected after each 1/2” or greater rain event. Maintenance is accomplished quickly and safely with the FLEXSTORM 2-person maintenance tool, which can remove the grate and engage the lift handles on the FLEXSTORM Inlet Filter.

PERFORMANCE
The Woven geotextile used on FLEXSTORM sediment bags have the highest flow rate in their class at 200 gpm/sqft. The tested filtration efficiency resulted in 82% removal rates as determined by a certified large scale test facility. All testing was performed in general accordance with the ASTM D 7351, Standard Test Method For Determination of Sediment Retention Device Effectiveness in Sheet Flow Application, with flow diverted into a 2 x 2 area inlet. A nominal 7% USDA Sandy Loam sediment to water concentration mix was used during the 10 year, 4 inch/hr rain event simulation.

POST CONSTRUCTION OPTIONS
FLEXSTORM also offers a post construction alternative for long term installations. These products may incorporate upgraded framing for high salt or chemical exposure along with hydrocarbon and heavy metal removal filtration media. Each unit can be tailored for your specific application.