

StormSack-BMP

Standard and Combination Inlet

Installation Guide

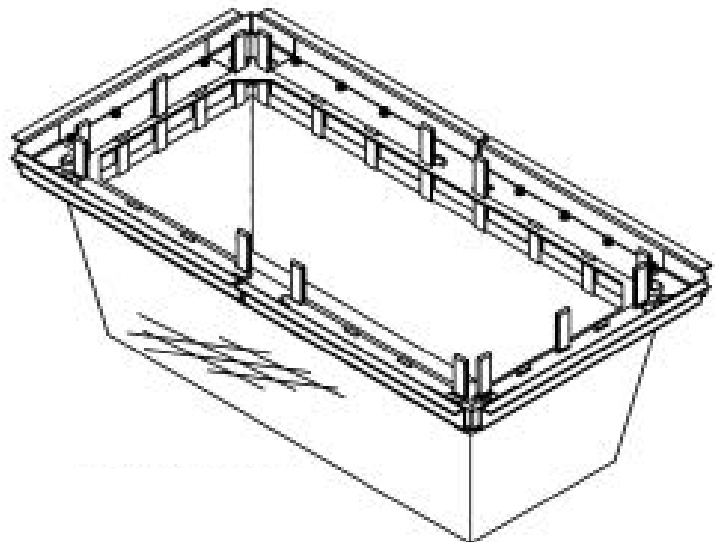


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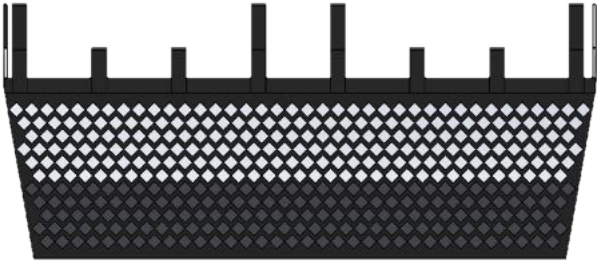
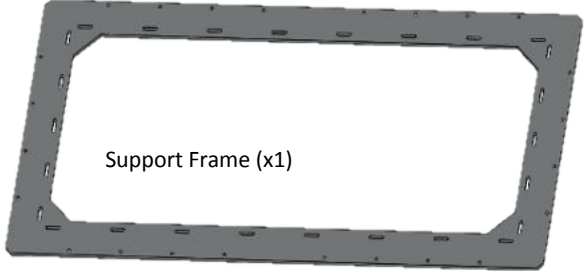


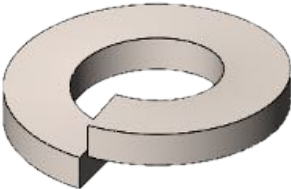

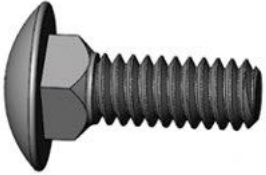
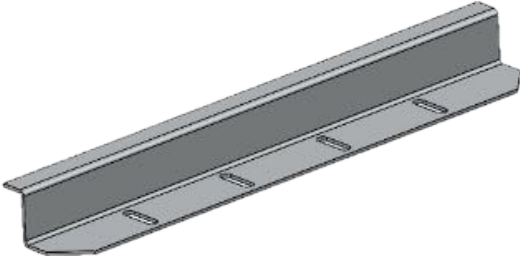


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Safety Precautions:

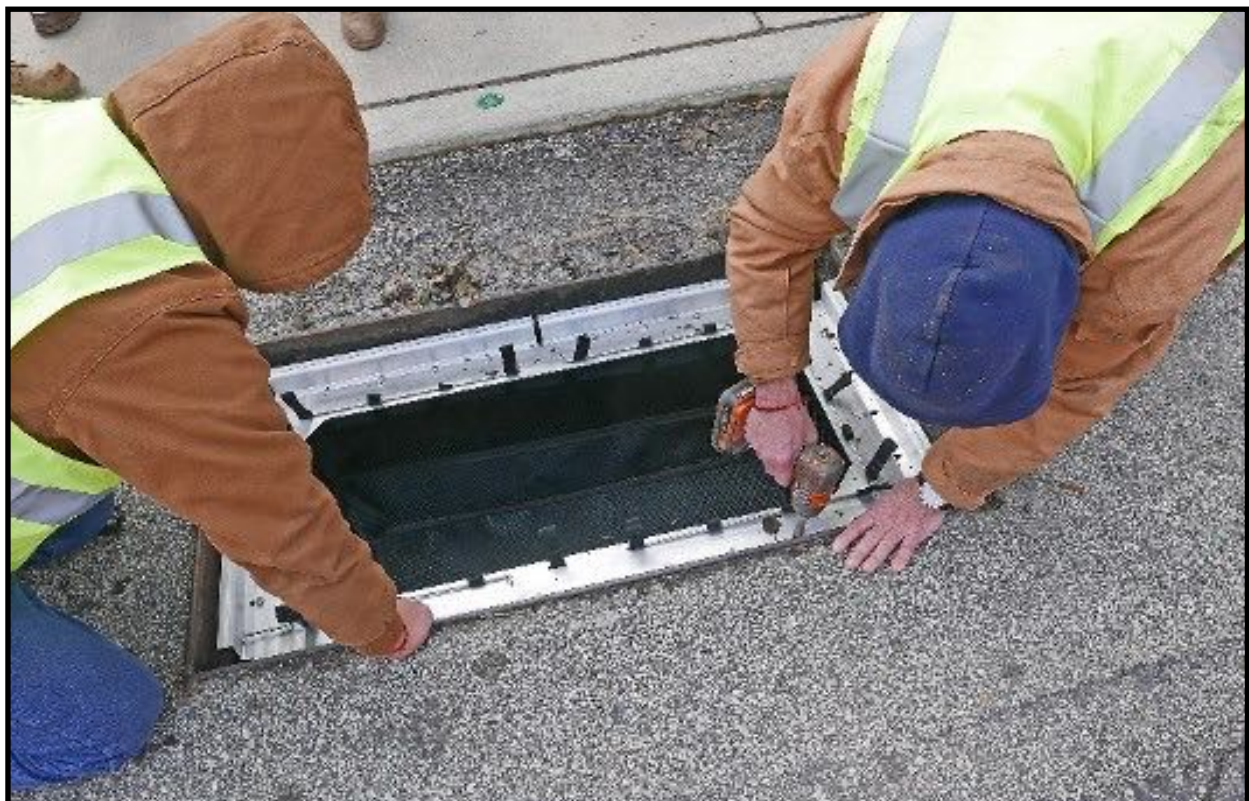
The StormSack-BMP filter should be installed by trained individuals who are familiar with local traffic safety regulations and procedures.

Item Checklist:

<p>Replaceable StormSack Geotextile Bag (x1) (Geotextiles Bags may vary model to model and may look slightly different than the bag portrayed in this manual).</p> 		 <p>Support Frame (x1)</p>	
			Corner Fillers (x4 for standard inlets, x2 for combination inlets)
<p>Flat Washer (x24) (P/N: 92141A029)</p> 	<p>Split Lock Washer (x24) (P/N: 92146A029)</p> 	<p>SS Hex Nut (x24) (P/N: 91845A029)</p> 	<p>Carriage Bolt (x24) (P/N: 92356A540)</p> 
<p>Sliding Flange (Standard or Drop – depending on inlet) 4 Flanges for Stand Alone Inlets. Combination (curb throat) inlet models will incorporate a Splash-Guard flange shown at right. (See Step 10).</p> 		 <p>Sack Locking Rod (x4)</p>	
		<p>SplashGuard Flange (for combination inlets—x1)</p> 	

Tools Required

Stiff Brush	7/16" Socket Wrench
	 <p>or</p>
	<p>Utility Knife (for Combination Models w/SplashGuard)</p> 

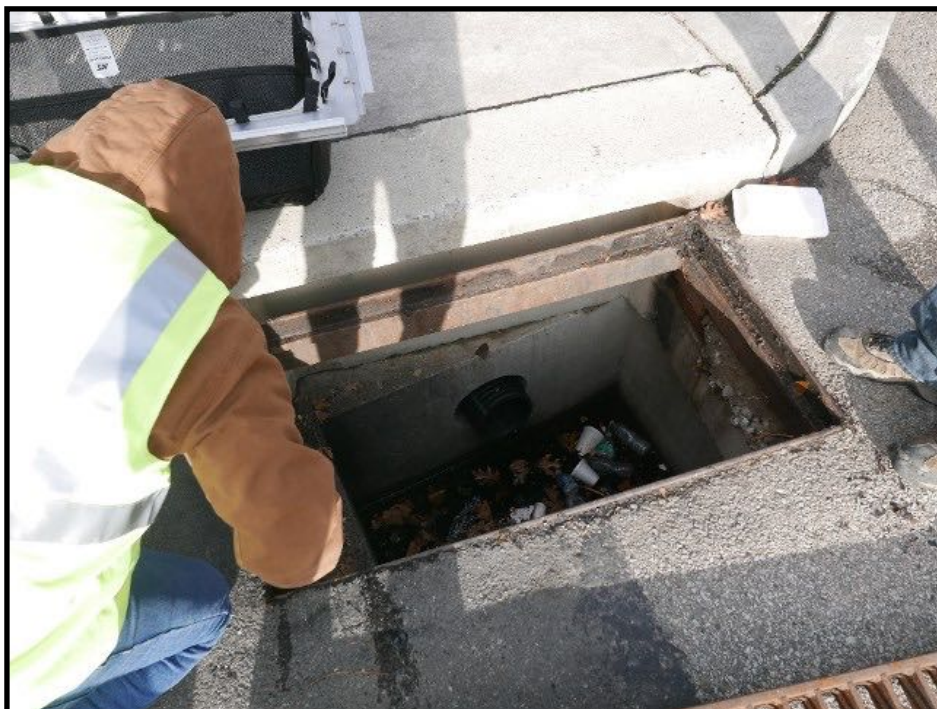


StormSack-BMP Installation Guide

1. Be sure to follow proper road safety rules & regulations when working in the street. Begin by removing the grate from the inlet. CAUTION: Grates are extremely heavy. Some type of lifting mechanism is highly recommended. Carefully place the grate on the ground away from the work area.



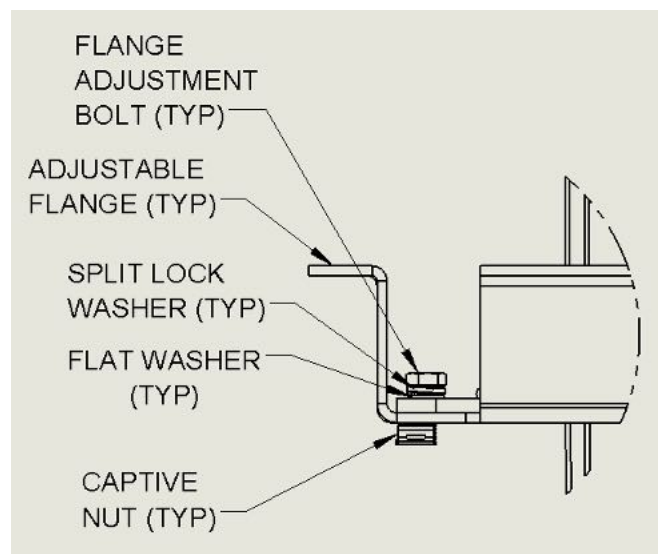
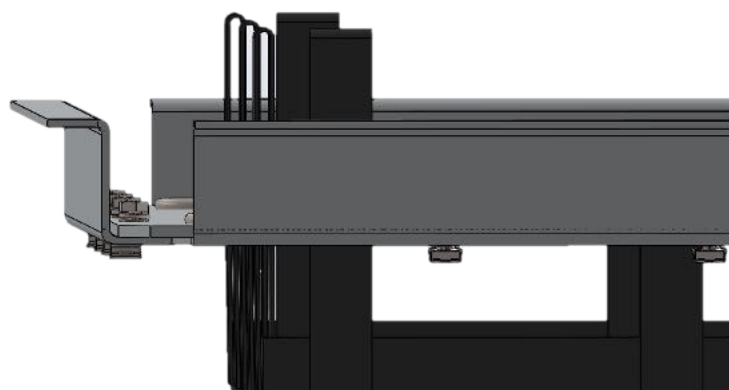
2. Measure and note the catch basin frame clear opening length and width. Remove any obstructions or debris that will interfere with the installed StormSack-BMP.



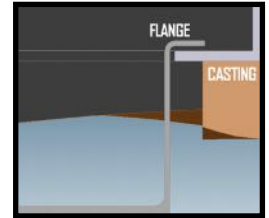
3. Prior to installing the StormSack BMP assembly, verify that the sack is secured to the support frame with the (6) locking rods. If not, simply insert StormSack tabs through the support frame slots, then secure the StormSack using the Locking Rods as shown (Geotextile Bags may vary from drawing).



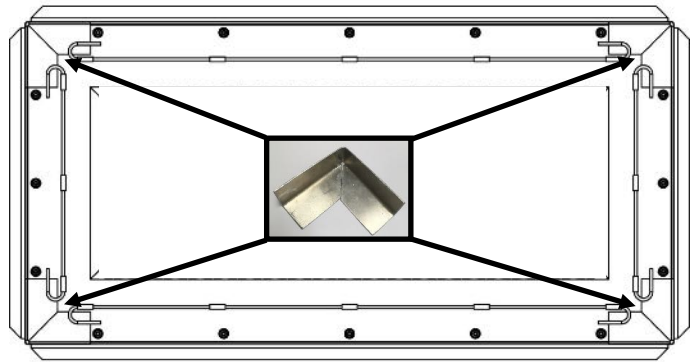
4. Using the catch basin frame clear opening length and width measurements from Step 2, adjust the sliding flanges such that they will securely rest on the grate frame. The inside flange to flange distance should be equal to the previously measured clear space for both length and width. Loosen bolts as necessary and adjust sliding drop flanges to the required position and secure in place using a standard 7/16" socket wrench. Do not overtighten bolts.



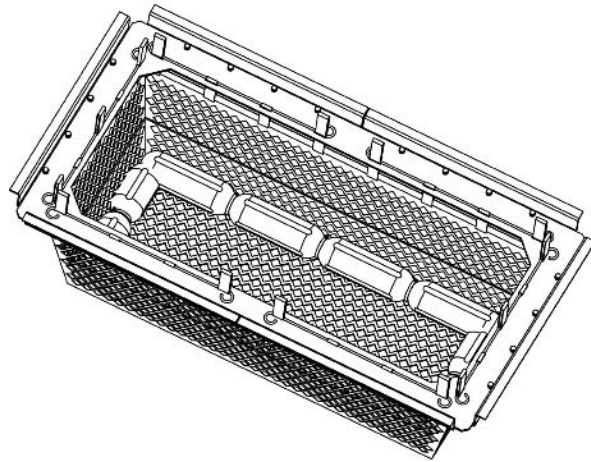
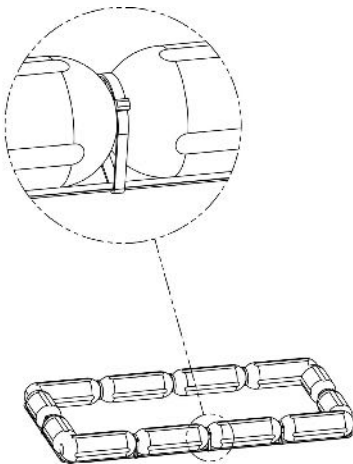
5. Carefully lower the StormSack assembly into the storm drain and verify that the support flanges are securely resting on the storm grate support ledges.



6. Corner fillers: StormSack BMPs utilize the Fabco adjustable BMP frame/flange system. The adjustability inherently leaves some open space in the corners of the frame. The units will ship with “Corner Fillers” (pictured below) to address the open corner issue. Remove the adhesive tape backing and install the Corner Fillers. For StormSack BMPs units designed for combination (curb throat) inlets see Step 9 for further instruction.



7. If the StormSack BMP includes the optional oil boom it will be pre=attached to a small steel rod frame and just sits into the bottom of the geotextile bag, as shown below.

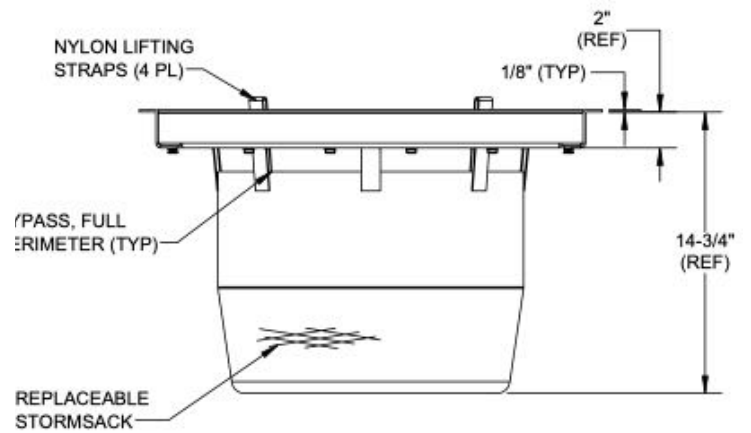
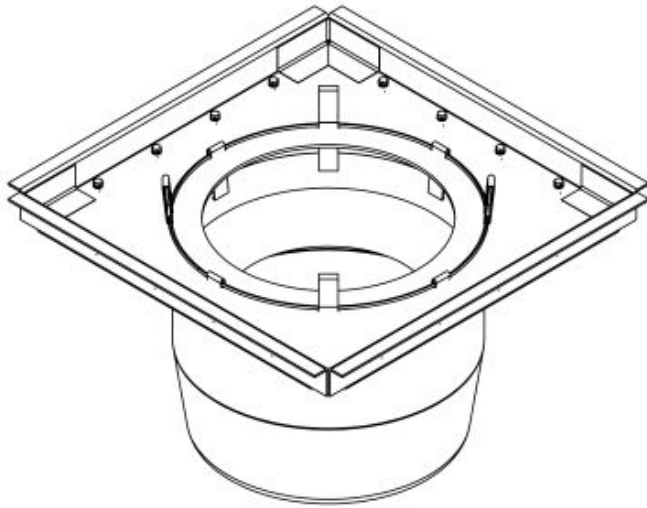


8. For more product information, please see our StormSack -BMP Operation and Maintenance Guide.

StormSack - BMP
Operation & Maintenance Guide

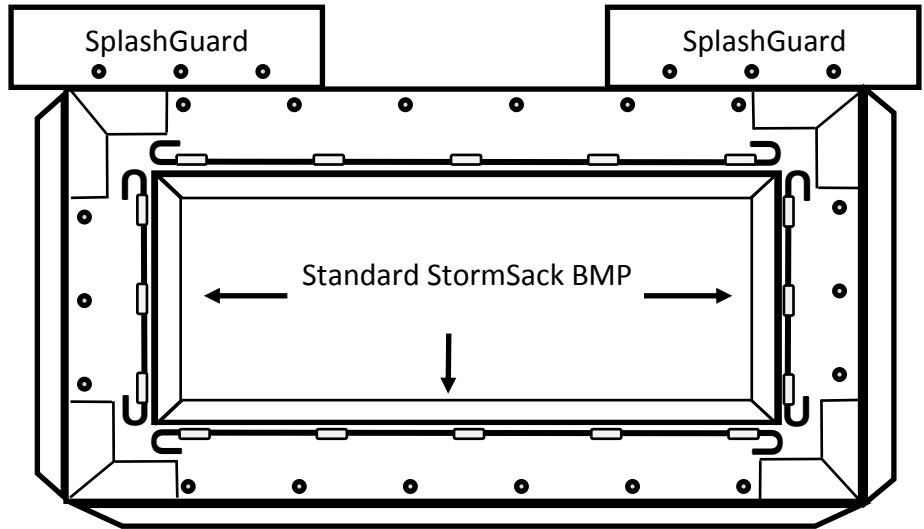


9. Some models of the Fabco StormSack BMP will utilize the BMP frame but incorporate a round bag connected to a round, flat geotextile bag frame.

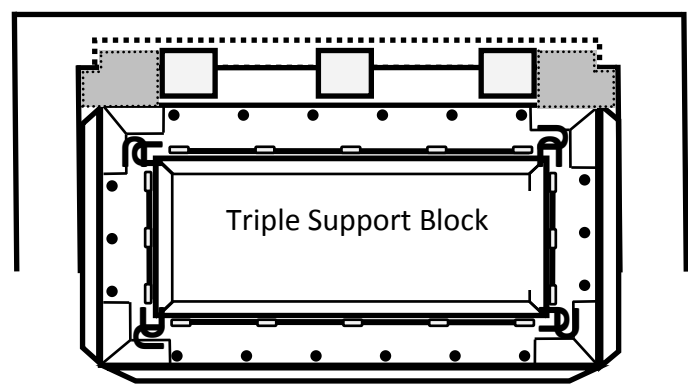
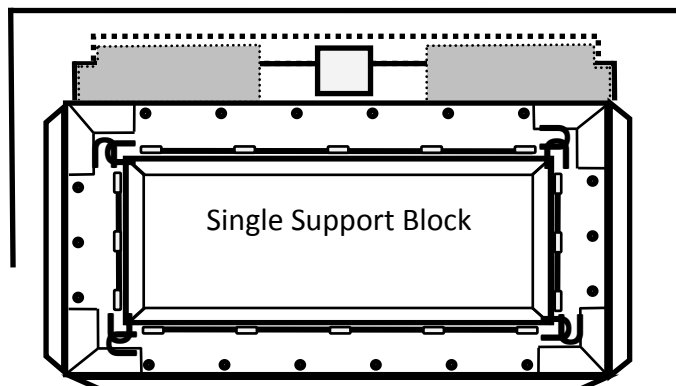
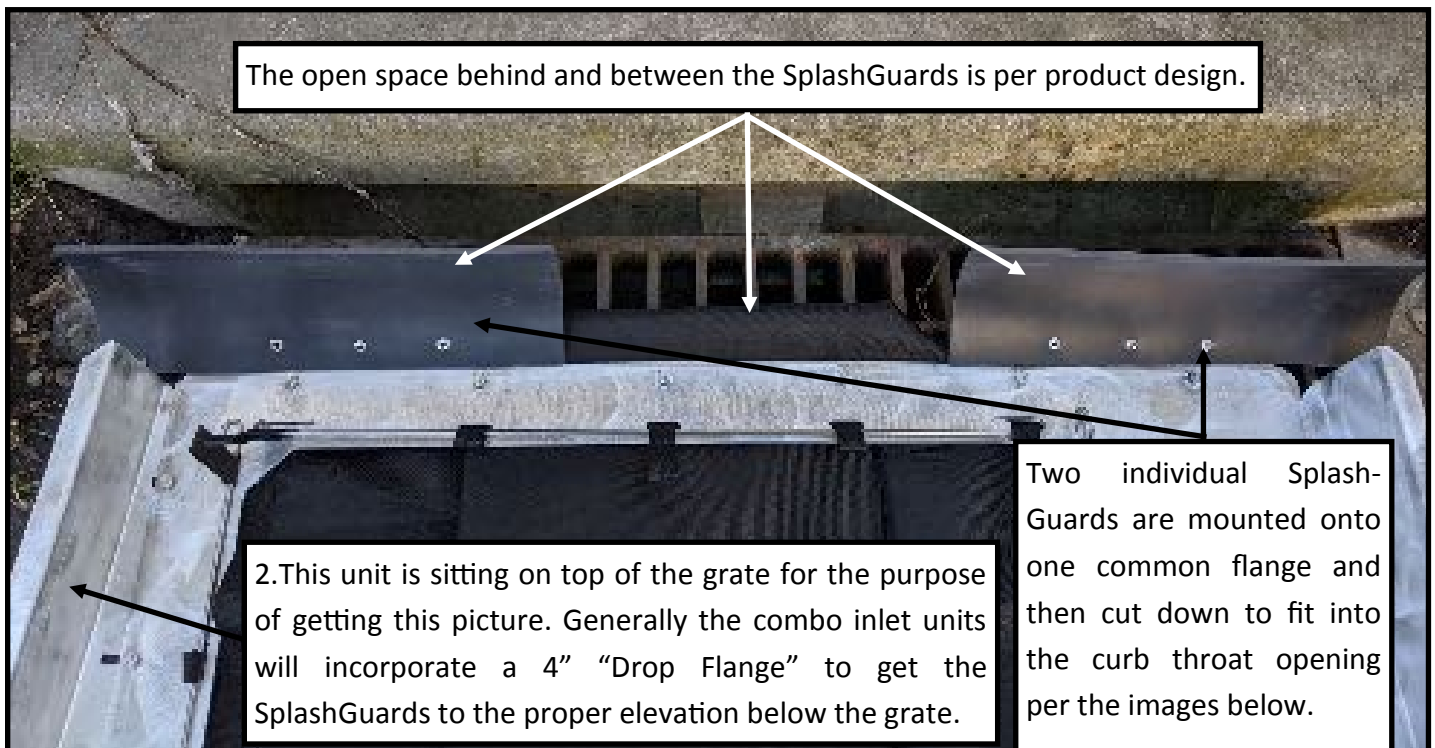


10. Some recent revisions to the StormSack BMP (SS BMP) SplashGuard design for combination (curb throat) inlets may not yet be reflected on Fabco's product drawings on existing plans.

The SS BMP model designed for the combination inlets will provide support on three sides using the standard sliding flange. The fourth side that fits along the curb throat has two separate heavy rubber splashguards, one at each end.

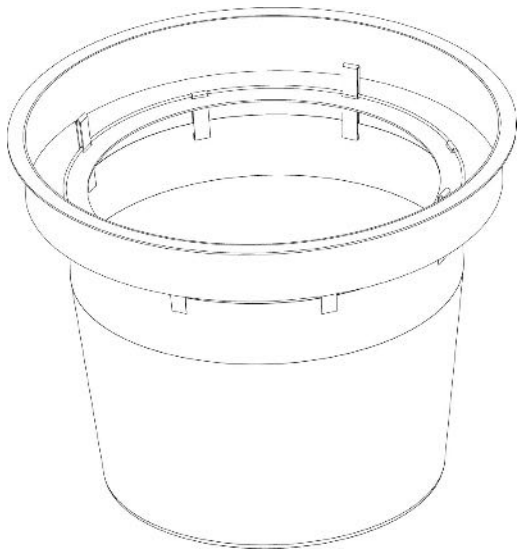


The splashguards are oversized with the intent being to cut them down to fit into the curb throat.



The SplashGuards are cut down to fit the curb throat opening as shown above. Please note that the intent of the SplashGuard is to divert the flow down the curblines into the StormSack BMP unit.

11. StormSack BMP Round: The most important aspect of a successful installation of a StormSack BMP Round model is based on an accurate and comprehensive survey of the structure that the unit will be installed in. There is no need to measure and note the catch basin frame clear opening because the product delivered has already been produced for that structure and has no adjustability. Remove any obstructions or debris that will interfere with the installed StormSack BMP Round model. If necessary, use a wire brush to remove caked on sediment from the grate support ledges. The unit will fit into the grate frame and then the grate is placed on top of the StormSack BMP Round frame.





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GEOSYNTHETICS

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- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

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