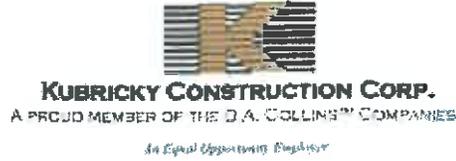


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Rutland City BRF 3000 (2014036)  
SUBMITTAL 10

Issued 11/07/14  
Respond by 11/12/14

To

Timothy Pockette, PE

Topic Inlet Protection Device, Type I  
Status For Approval  
Spec section 653.40  
Sent to approver 11/7/14

From

HARPER T CALLAHAN

Signed by 

Date 11/7/14

Proceed as Indicated

Date

Owner Authorized Representative



## Catch Basin Sediment Capture Device Regular Flow

Siltsack® is a sediment control device used during construction that mounts under the grate in catch basins. Siltsack® is made of a permeable geotextile that allows water to pass but prevents silt and sediment from clogging the drain system.

Siltsack<sup>1</sup> sediment control device is manufactured by ACF Environmental, Inc.<sup>2</sup> and shall be manufactured from a specially designed woven polypropylene geotextile manufactured by SI Geosolutions<sup>3</sup> and sewn by a double needle machine, using a high strength nylon thread.

Siltsack will be manufactured to fit the opening of the catch basin or drop inlet. Siltsack will have the following features: two dump straps attached at the bottom to facilitate the emptying of Siltsack; lifting loops as an integral part of the system to be used to lift Siltsack from the basin; a restraint cord approximately halfway up the sack to keep the sides away from the catch basin walls. The yellow cord is also a visual means of indicating when the sack should be emptied. Once the strap is covered with sediment, Siltsack should be emptied, cleaned and placed back into the basin.

Siltsack - Regular Flow seams shall have a certified average wide width strength per ASTM D-4884 standards of 165.0 lbs/in.

<b>PRODUCT TEST DATA</b>		
<b>Physical Property</b>	<b>Test Method</b>	<b>Typical Value</b>
<b>Grab Tensile</b>	ASTM D-4632	315 lbs x 300 lbs
<b>Grab Elongation</b>	ASTM D-4632	15% x 15%
<b>Puncture</b>	ASTM D-4833	125 lbs
<b>Mullen Burst</b>	ASTM D-3786	650 psi
<b>Trapezoidal Tear</b>	ASTM D-4533	120 lbs x 150 lbs
<b>UV Resistance</b>	ASTM D-4355	90%
<b>Apparent Opening</b>	ASTM D-4751	40 US Sieve
<b>Flow Rate</b>	ASTM D-4491	40 gal/min per sq ft
<b>Permittivity</b>	ASTM D-4491	0.55 sec -1
Test results represent Minimum Average Roll Values (MARV) with the exception of weight which is a typical result.		

1. Silt sack is covered by U.S. Patent No. 5,575,925.
2. ACF Environmental, Inc., 2831 Cardwell Road, Richmond, Virginia 23234, Phone: 800-448-3636, Fax: 804-743-7779, [www.acfenvironmental.com](http://www.acfenvironmental.com)
3. SI Geosolutions, [www.sigeosolutions.com](http://www.sigeosolutions.com), (800) 621-0444

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