

SEDCATCH® SEDIMENT BASKET™ ITEM SPECIFICATION

Manufactured by:

SedCatch
8380 Point O Woods Court
Springboro, Ohio 45066
www.SedCatch.com

1.0 Description:

- 1.1 Work covered under this item consists of furnishing, installing, maintaining, and removal of the SedCatch® Sediment Basket™. It's purpose is to filter sediment that water transports to the storm sewer system to conform with 40 CFR 122.26 - When applying for a National Pollutant Discharge Elimination System (NPDES) permit, facilities must have a plan in place that describes actions, procedures, control techniques, management practices and equipment available to prevent illegal discharge of pollutants into waterways.

2.0 Material:

- 2.1 The basket shall be manufactured from low carbon steel wire and welded as per SedCatch® specifications.
- 2.2 The SedCatch® Sediment Basket™ shall be made from geotextile with the following characteristics:

| PROPERTY | TEST METHOD | MARV |
|-----------------------------|---------------|-------------------------|
| Tensile Strength (Grab) | ASTM D-4632 | 370/200 |
| Elongation | ASTM D-4632 | 15% |
| Puncture | ASTM D-4833 | 90 lbs |
| Mullen Burst | ASTM D-3786 | 400 psi |
| Trapezoidal Tear | ASTM D-4533 | 115 x 75 lbs |
| UV Resistance | ASTM D-4355 | 90% |
| Apparent Opening Size (AOS) | ASTM D-4751 | 35 US Std. Sieve |
| Percent Open Area (POA) | CW-02215 Mod. | 10% |
| Permittivity | ASTM D-4491 | 2.0 sec ⁻¹ |
| Water Flow Rate | ASTM D-4491 | 200 gpm/ft ² |

The property values listed above are subject to change without notice.

3.0 Size:

- 3.1 The proper size can be ordered by measuring the actual size of the grate. Note any obstructions that could interfere with the SedCatch® Sediment Basket™.

4.0 Installation:

- 4.1 Remove Grate

- 4.2 Place SedCatch® Sediment Basket™ on storm sewer frame lip.
- 4.3 Place SedCatch® Dump Basket™ in SedCatch® Sediment Basket™
- 4.4 Replace Grate
- 5.0 Maintenance:
 - 5.1 Inspect after each rain or as directed by engineer/inspector
 - 5.2 If SedCatch® Dump Basket™ is not empty:
 - 5.2.1 Remove grate
 - 5.2.2 Lift the Dump Basket™ off of the Sediment Basket™ and dispose of contents in a suitable location.
 - 5.2.3 Replace the Dump Basket™
 - 5.2.4 Replace grate
 - 5.3 After approximately 10-20 dumps, or as needed, remove sediment that has found it's way around the Dump Basket™ that is resting in the bottom of the Sediment Basket™
 - 5.3.1 While the Dump Basket™ has been removed, lift out the Sediment Basket™
 - 5.3.2 Dispose the contents in a suitable location
 - 5.3.3 Replace Sediment Basket™ on storm sewer frame lip.
 - 5.3.4 Place SedCatch® Dump Basket™ in SedCatch® Sediment Basket™
 - 5.3.5 Replace Grate
- 6.0 Method of Measurement:
 - 6.1 The quantity to be paid for the actual number of SedCatch® Sediment Basket™ that is actually used.
- 7.0 Basis of Payment:
 - 7.1 The unit price shall include labor, equipment, and materials necessary to install, maintain, and dispose of SedCatch® Sediment Basket™
 - 7.2 Payment for completed work will be made at the contract price for:

| UNITS | DESCRIPTION | EA |
|-------|-------------|------------|
| Quan | Size of Bag | Unit price |