

SEDCATCH® SEDIMENT CAGE™ ITEM SPECIFICATION

Manufactured by:
SedCatch
www.SedCatch.com

1.0 Description:

- 1.1 Work covered under this item consists of furnishing, installing, maintaining, and removal of the SedCatch® Sediment Cage™. It's purpose is to keep sediment from entering 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 Cage™ shall be made from geotextile with the following characteristics:

PROPERTY	TEST METHOD	MARV
Tensile Strength (Grab)	ASTM D-4632	350/250
Elongation	ASTM D-4632	15%
Puncture	ASTM D-4833	120 lbs
Mullen Burst	ASTM D-3786	450 psi
Trapezoidal Tear	ASTM D-4533	65 lbs
UV Resistance	ASTM D-4355	80%
Apparent Opening Size (AOS)	ASTM D-4751	40 US Std. Sieve
Percent Open Area (POA)	CW-02215 Mod.	6%
Permittivity	ASTM D-4491	.5 sec⁻¹
Water Flow Rate	ASTM D-4491	75 gpm/ft²

3.0 Size:

- 3.1 The proper size can be ordered by measuring the actual size of the grate.

4.0 Installation:

- 4.1 SedCatch® Sediment Cage™ should be installed at the time the structure is set to keep job in compliance and to prevent the need to clean out the storm sewer system at a later date.
- 4.2 Lift grate and tuck fabric under grate.
- 4.3 Replace grate.

- 4.4 Remove sediment once it accumulates to ½ the height of the Sediment Cage™
- 4.5 To increase effectiveness and reduce maintenance requirements, the area around the Sediment Cage™ should be as flat as possible.
- 5.0 Maintenance:
 - 5.1 Inspect after each rain or as directed by engineer/inspector
 - 5.2 Remove accumulated sediment when once it exceeds one half of the height of the structure.
- 6.0 Method of Measurement:
 - 6.1 The quantity to be paid for the actual number of SedCatch® Sediment Cages™ that are 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