

STREAMGUARD® INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT:

STREAMGUARD®

MANUFACTURER:

Dandy Products Inc.
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1.0 Description:

1.1 Work covered under this item consists of installing a Streamguard® inlet protection system. The purpose is to keep silt, sediment, and construction debris out of the storm water system.

2.0 Material:

2.1 The Streamguard® inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric unit.

2.2 The Streamguard® shall have lifting straps to allow removal of the unit and manual inspection of the storm water system.

2.3 The Streamguard® unit shall utilize a black nonwoven fabric that is manufactured in the U.S.A. with the following characteristics:

PROPERTY ¹	TEST METHOD	UNITS	TEST RESULTS
Tensile Strength	ASTM D4632	lbs	205
Elongation	ASTM D4632	%	50%
Trapezoidal Tear	ASTM D4533	lbs	85
CBR Puncture	ASTM D6241	lbs	535
HYDRAULIC PROPERTIES:			
Apparent Opening Size (AOS)	ASTM D 4751	US Std Sieve	80
Permittivity	ASTM D 4491	sec ¹	1.4
UV Resistance (% Retained @ 2500 hrs)	ASTM D 4355	%	70

¹Properties listed are MARV values.

The property values listed above are effective April 2022 and are subject to change without notice.

3.0 Installation:

3.1 Remove the grate from the catch basin.

3.2 *For Oil and Sediment Model; to install or replace absorbent, place absorbent pillow in unit, on the bottom (below-grade side) of the unit.*

3.3 Place the Streamguard® over the inlet opening. Place the grate back on top of the inlet so that the Streamguard® is held in place. Using a utility knife, cut the excess geotextile material that is extending above the grate. Dispose of the excess geotextile.

4.0 **Maintenance:**

4.1 Remove all accumulated sediment and debris from vicinity of unit after each storm event.

4.2 After each storm event and at regular intervals, look into the Streamguard® unit. If the unit is more than 1/3 full of accumulated sediment, the unit must be emptied.

4.3 To empty the unit, using the lifting straps to hold the Streamguard® in place. Remove the grate. Using the lifting straps remove the unit. Transport the unit to an appropriate location for removal of the contents. Holding the dumping straps on the outside at the bottom of the unit, turn the unit upside down, emptying the contents. Reinstall unit as above or dispose of properly.

4.4 *For Oil and Sediment Model; remove and replace absorbent when near saturation.*

4.5 Dispose of unit and/or absorbent in accord with applicable Federal, state and local environmental laws and regulations.

5.0 **Method of Measurement:**

5.1 The quantity to be paid is for the actual number of Streamguard® inlet protection units installed

6.0 **Basis of Payment:**

6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the Streamguard® inlet protection units.

6.2 Payment for the completed work will be made at the contract prices for:

<u>ITEM</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
Streamguard®	EA	Inlet Protection