



ACF GRATE GATOR INLET PROTECTION SYSTEM GUIDE SPECIFICATION

Product:

ACF GRATE GATOR & ACF GRATE GATOR HD

Manufacturer:

Ferguson Enterprises LLC

dba ACF Environmental

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1.0 Description of Work

1.1 The work covered in this specification shall consist of supplying, placing, maintaining, and removing the Grate Gator and Grate Gator HD inlet protection device(s). The purpose of the device is to collect silt, sediment, and construction debris from entering the storm drain system..

2.0 Materials

2.1 The inlet protection device consists of a high flow filter that covers an inlet grate, with different options for attachment to the grate.

2.2 There are 3 types of Grate Gator, available in High Flow, Hi-Vis Yellow geotextile fabric:

Grate Gator Skirt - Standard Grate Gator with a sewn-on shower cap style sleeve. Overflows and Curb Deflector optional

Grate Gator Magnets - Standard Grate Gator with magnets around perimeter for attachment. Overflows and Curb Deflector optional

Grate Gator HD - Uses expanded metal backing and toggle bolts for attachment. Overflows and Curb Deflector optional.

2.3 Each Grate Gator unit shall be sewn in the U.S.A. and seam shall be tested in accordance with ASTM D-4884 (Standard Test Method for Strength of Sewn or Bonded Seams of Geotextiles) using a third party test laboratory. Results are available upon request.

2.4 Raw Materials

2.4.1 The Grate Gator series shall utilize a high flow yellow monofilament fabric with the following characteristics:

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab Tensile	ASTM D4632	lbs	285 x 210
Grab Elongation	ASTM D4632	%	30 x 20
Puncture	ASTM D6241	lbs	810
Trapezoid Tear	ASTM D4533	lbs	110 x 95
AOS	ASTM D4751	US Sieve	20
Flow Rate	ASTM D4491	gal/min/ft ²	350
Permittivity	ASTM D4491	sec ⁻¹	4.85

2.4.2 The Grate Gator HD shall utilize a galvanized expanded metal base (HD Only) along with the high flow yellow monofilament fabric

3.0 Identification of Drainage Structures

3.1 The installer shall inspect the plans and/or jobsite to determine the quantity and size of each drainage inlet grate size.

4.0 Installation Guidelines - Grate Gator & Grate Gator HD

4.1 Grate Gator

Install Grate Gator so that the filter material covers the surface area of the grate. The Grate Gator Skirt requires the installer to lift the grate and place the unit on top, with the "showercap" flap wrapped around the grate. The Grate Gator Magnets requires the installer to place the unit directly on top of the grate, so that the magnets engage the grate.

4.2 Grate Gator HD

Install Grate Gator HD so that the unit covers the entire surface area of the grate. The Grate Gator HD does not require the installer to lift the grate. To install, place the unit over the grate and mark locations for toggle bolt connection. Burn or cut holes at marked locations and connect using toggle bolts so that a washer is placed on the top side of the Grate Gator HD unit. Tighten the toggle bolts to complete installation.

5.0 Maintenance Guidelines

5.1 The Grate Gator should be cleaned if a visual inspection shows sediment and debris built up around the unit.

5.2 Clean as needed. Store unit out of direct sunlight.

5.3 Ponding is likely if sediment is not removed regularly. Inspection of Grate Gator should be on a regular basis and immediately after rain events.

6.0 Basis of Payment

6.1 Payment for all Grate Gator units used during construction is to be included in the bid price for the overall erosion and sediment control plan unless unit price is requested.

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