



## Ultra-Drain Guard Specification

**Product:** Ultra-Drain Guard  
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### 1.0 Description of Work

1.1 This work shall consist of furnishing, installing, maintaining, and removing Ultra-Drain Guard sediment control device as directed by the engineer or as shown on the site drawings.

### 2.0 Ultra-Drain Guard Materials

2.1 There two types of Ultra-Drain Guard available:  
Ultra-Drain Guard - Oil & Sediment Model  
Ultra-Drain Guard - Oil & Sediment Plus Model

2.2 Ultra-Drain Guard shall be manufactured from a specially designed nonwoven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon-thread.

2.3 Ultra-Drain Guard shall be manufactured to fit the opening of the catch basin or drop inlet. Ultra-Drain Guard will have the following features: four lifting straps attached at the top to facilitate removing and emptying; Ultra-Drain Guard shall have lifting straps as an integral part of the system to be used to lift unit from the basin;

2.4 The Ultra-Drain Guard unit shall utilize a nonwoven fabric with the following characteristics:

## Specifications for Ultra-Drain Guard

Property	Test Method	Units	Test Results
Grab Tensile	ASTM D4632	lbs	205
Grab Elongation	ASTM D4632	%	50
Puncture	ASTM D6241	lbs	525
Trapezoid Tear	ASTM D4533	lbs	85
AOS	ASTM D4751	US Sieve	80 / 180
Flow Rate (through material)	ASTM D4491	gal/min/ft2	90
Flow Rate (bypass ports gpm)	ASTM D4491	gpm	770
Flow Rate (bypass ports cfs)	ASTM D4491	cfs	1.7
Permittivity	ASTM D4491	sec-1	1.1
UV Resistance After 500 hrs.	ASTM D4355	% Strength Retained	70

### 3.0 Construction Sequence

3.1 To install Ultra-Drain Guard in the catch basin, remove catch basin grating. Clean dirt and debris from grating ledge. Insert Drain Guard. Reinstall grate. Drain Guard skirt must be secured (pinched) between grating and ledge. Cut the excess fabric off with a blade or knife if desired.

3.2 To remove Ultra-Drain Guard, lift grate/Drain Guard from catch basin using lifting straps.

3.3 Once the construction cycle is complete, remove Drain Guard from the basin and dispose

of in accordance with local regulations and statutes.

### 4.0 Basis of Payment

4.1 Payment for all Ultra-Drain Guard 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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