



**ULTRATECH**  
INTERNATIONAL, INC.

# Ultra-Inlet Guard Specification

**Product:** Ultra-Inlet Guard

**Manufacturer:**

UltraTech International, Inc.  
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Jacksonville, FL 32256 USA

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## 1.0 Description of Work

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

## 2.0 Ultra-Inlet Guard Materials

2.1 There two types of Ultra-Inlet Guard

**Ultra-Inlet Guard (Standard)** - Overflow included

**Ultra-Inlet Guard - Curb-Style** - Overflow included

2.2 Ultra-Inlet 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-Inlet Guard shall be manufactured to fit the opening of the catch basin or drop inlet. Ultra-Inlet Guard will have the following features: rare earth magnets encased in the fabric of the unit. Ultra-Inlet Guard shall have a large overflow port in the center of the unit as a preventative measure for flooding/ponding.

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

## Specifications for Ultra-Inlet Guard

Property	Test Method	Units	Test Results
Grab Tensile	ASTM D4632	lbs	297 x 223
Grab Elongation	ASTM D4632	%	58 / 59
Puncture	ASTM D6241	lbs	99
Trapezoid Tear	ASTM D4533	lbs	81 x 75
AOS	ASTM D4751	US Sieve	60
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup>	192
Permittivity	ASTM D4491	sec <sup>-1</sup>	2.60

### 3.0 Construction Sequence

- 3.1 To install Ultra-Inlet Guard in the catch basin, remove any excess dirt or debris and place the unit on the grate insuring magnets attach securely.
- 3.2 To remove Ultra-Inlet Guard, remove any build-up of sand, dirt, sediment, trash and debris and lift up.
- 3.3 Ultra-Inlet Guard is reusable. Once the construction cycle is complete, remove Inlet Guard from the grating and clean. Ultra-Inlet Guard should be stored out of sunlight until the next use.

### 4.0 Basis of Payment

- 4.1 Payment for all Ultra-Inlet 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.

Note: This information is provided as reference only and is not intended as a warranty or guarantee. UltraTech International, Inc. assumes no liability in connection with the use of this information (8/1/24).