

# DANDY CURB BAG® CURB AND GUTTER INLET/GRATE PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT:

DANDY CURB BAG®

MANUFACTURER:

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## 1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Curb Bag® curb and gutter 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 Dandy Curb Bag® curb and gutter inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric unit enclosing a porous structure in the form of a cylindrical tube placed in front of and extending beyond the inlet opening on both sides and have a geotextile fabric envelope fitted to the individual grate(s) on the street side of the sewn unit for grate(s) to be inserted and to completely enclose the grate(s).

2.2 The Dandy Curb Bag® shall have lifting devices to allow manual inspection of the storm water system.

2.3 The Dandy Curb Bag® unit shall utilize an orange monofilament fabric that is manufactured in the U.S.A. with the following characteristics:

| PROPERTY                | TEST METHOD    | UNITS            | TEST RESULTS |
|-------------------------|----------------|------------------|--------------|
| Grab Tensile Strength   | ASTM D 4632    | lbs              | 450 x 300    |
| Grab Tensile Elongation | ASTM D 4632    | %                | 40 x 25      |
| Puncture Strength       | ASTM D 4833    | lbs              | 130          |
| Mullen Burst Strength   | ASTM D 3786    | psi              | 600          |
| Trapezoid Tear Strength | ASTM D 4533    | lbs              | 165 x 150    |
| % Open Area (POA)       | COE - 22125-86 | %                | 28           |
| Apparent Opening Size   | ASTM D 4751    | US Std Sieve     | 30           |
| Permittivity            | ASTM D 4491    | sec <sup>1</sup> | 3.5          |

|                        |             |                         |                     |
|------------------------|-------------|-------------------------|---------------------|
| Permeability           | ASTM 4491   | cm/sec                  | 0.25                |
| Water Flow Rate        | ASTM 4491   | gal/min/ft <sup>2</sup> | 250                 |
| Ultraviolet Resistance | ASTM D 4355 | %                       | 70                  |
| Color                  |             |                         | Orange <sup>1</sup> |

<sup>1</sup>The color orange is a trademark of Dandy Products, Inc.

The property values listed above are effective October 2010 and are subject to change without notice.

### 3.0 **Installation:**

3.1 Place the empty Dandy Curb Bag® unit over the grate as the grate stands on end.

3.2 *For oil and sediment model; to install or replace absorbent, place absorbent pillow in pouch, on the bottom (below-grade side) of the unit.*

3.3 Tuck the enclosure flap inside to completely enclose the grate.

3.4 Holding the lifting devices, being careful not to damage the sewn fabric unit, insert the grate into its frame, street side edge first, then lower back edge with cylindrical tube into place. The cylindrical tube should be partially blocking the curb hood opening when installed properly.

### 4.0 **Maintenance:**

4.1 The contractor shall remove all accumulated sediment and debris from surface and vicinity of unit after each rain event or as directed by engineer/inspector. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.

4.2 *For oil and sediment model; remove and replace absorbent when near saturation.*

### 5.0 **Method of Measurement:**

5.1 The quantity to be paid is for the actual number of Dandy Curb Bag® 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 Dandy Curb Bag® 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>                          |
|-----------------|-------------|---|
| Dandy Curb Bag® | EA          | Curb Inlet Protection Unit<br>(#_____Inlet) |