

# DANDY POP<sup>®</sup> (POP-UP DANDY BAG<sup>®</sup>) INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY POP<sup>®</sup>

MANUFACTURER:

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## 1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Pop<sup>®</sup> 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 Pop<sup>®</sup> inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric dome unit with a fully-covered support frame. The unit shall enclose the grate.

2.2 The Dandy Pop<sup>®</sup> shall unfold for installation to a height of approximately 24” (twenty-four inches).

2.3 The Dandy Pop<sup>®</sup> shall have lifting devices sewn to the bottom of the unit to assist in installation and to allow manual inspection of the storm water system.

2.4 The Dandy Pop<sup>®</sup> 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 x300
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 Pop open the Dandy Pop<sup>®</sup> near the inlet.
- 3.2 Stand the grate on end and slide the Dandy Pop<sup>®</sup> over the grate.
- 3.3 For oil and sediment model; to install or replace absorbent, place absorbent pillow in pouch, on the bottom (below-grade side) of the unit. As desired, or required, attach absorbent pillow to provided tether loop.
- 3.4 Turn the grate 180° on end (turn twice) so that the opening is facing up.
- 3.5 Pull up slack and seal velcro<sup>®</sup> to enclose the grate.
- 3.6 Lay the grate flat, and holding the lifting devices, insert the grate into the inlet making sure that the grate seats completely in the frame.

**4.0 Maintenance:**

- 4.1 The contractor shall remove all accumulated sediment and debris from panels and 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 Pop<sup>®</sup> 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 Pop<sup>®</sup> 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 Pop <sup>®</sup>	EA	Inlet Protection Units (# _____ INLET)