# DANDY POP® (POP-UP DANDY BAG®) INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY POP®

### MANUFACTURER:

Dandy Products Inc. P.O. Box 1980 Westerville, Ohio 43086

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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® shall have lifting devises 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® 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>&</sup>lt;sup>1</sup>The color orange is a trademark of Dandy Products, Inc.

### 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® 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® to enclose the grate.
- 3.6 Lay the grate flat, and holding the lifting devises, 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	<b>Inlet Protection Units</b>	
		(#INLET)	

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