

**DANDY DEWATERING BAG™  
PUMPED WATER SEDIMENT CONTROL SYSTEM GUIDE  
SPECIFICATIONS**

PRODUCT:

DANDY DEWATERING BAG™

MANUFACTURER:

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**1.0 Description:**

1.1 Work covered under this consists of furnishing, installing, maintaining, and removal of the Dandy Dewatering Bag™. The purpose is to control sediment discharge in any dewatering or pumped water application.

**2.0 Material:**

2.1 The Dandy Dewatering Bag™ shall be a bag sewn of nonwoven fabric **in the U.S.A.** using a double needle machine and a high strength thread.

2.2 The Dandy Dewatering Bag™ shall have a spout opening large enough to accommodate at least a four (4) inch pump discharge hose with an attached strap to tie unit closed.

2.3 The Dandy Dewatering Bag™ Seams shall be a double stitched “J” type seam with an average wide width strength per ASTM D-4884 of 60lb/in for a 8 oz. fabric manufactured in the U.S.A. with the following characteristics:

| PROPERTY                | TEST METHOD    | UNITS             | MARV       |
|-------------------------|----------------|-------------------|------------|
| Grab Tensile Strength   | ASTM D 4632    | kN (lbs)          | 0.9 (205)  |
| Grab Tensile Elongation | ASTM D 4632    | %                 | 50         |
| Puncture Strength       | ASTM D 4833    | kN (lbs)          | 0.58 (130) |
| Mullen Burst Strength   | ASTM D 3786    | kPa (psi)         | 2618 (380) |
| Trapezoid Tear Strength | ASTM D 4533    | kN (lbs)          | 0.36 (80)  |
| % Open Area             | COE - 22125-86 | %                 | N/A        |
| Apparent Opening Size   | ASTM D 4751    | mm (US Std Sieve) | .0180 (80) |

|                        |             |                                                 |           |
|------------------------|-------------|-------------------------------------------------|-----------|
| Permittivity           | ASTM D 4491 | sec <sup>1</sup>                                | 1.2       |
| Permeability           | ASTM 4491   | cm/sec                                          | 0.21      |
| Water Flow Rate        | ASTM 4491   | l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> ) | 3866 (95) |
| Ultraviolet Resistance | ASTM D 4355 | %                                               | 70        |
| Color                  |             |                                                 | Black     |

### 3.0 Installation:

- 3.1 Lifting straps (not included) should be placed under the unit to facilitate removal after use.
- 3.2 Unfold Dandy Dewatering Bag™ on a stabilized area over dense vegetation, straw, or gravel (if an increased drainage surface is needed) or as detailed in plans.
- 3.3 Insert discharge hose from pump into Dandy Dewatering Bag™ a minimum of six (6) inches and tightly secure with attached strap to prevent water from flowing out of the unit without being filtered.

### 4.0 Maintenance:

- 4.1 Replace the unit when ½ full of sediment or when sediment has reduced the flow rate of the pump discharge to an impractical rate.
- 4.2 Remove and dispose of the sediment in a manner satisfactory to the engineer/inspector or in one of the following ways:
  - A) Remove the unit and sediment from environmentally sensitive areas and waterways. At the approved disposal site, slit the unit; remove the sediment and grade smoothly into the existing topography. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.
  - B) Bury unit on site; remove any visible fabric and seed.

### 5.0 Method of Measurement:

- 5.1 The quantity to be paid is for the actual number of Dandy Dewatering Bags™.

**6.0 Basis of Payment:**

6.1 The unit price shall include labor, equipment, and materials necessary to install, maintain, and remove the Dandy Dewatering Bag™.

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 Dewatering Bag™ | EA          | Pumped Water Sediment Control Unit<br>(#_____UNITS) |



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