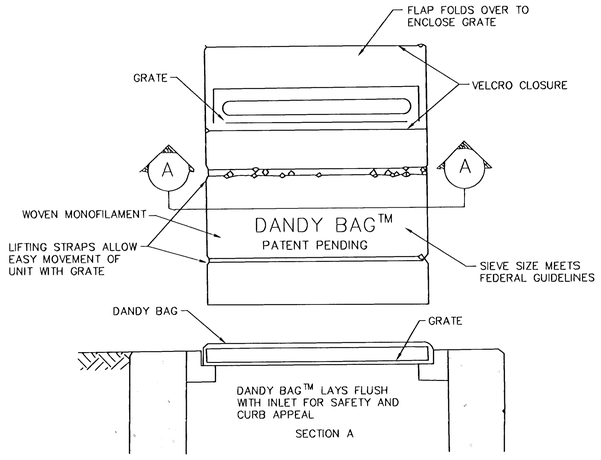



## STRAW BALE INLET SEDIMENT BARRIER DETAIL

## DANDY BAG™ PATENT PENDING SPECIFICATIONS AND FACT SHEET




Installation: Stand grate on end. Place Dandy Bag™ over grate. Roll grate over so that open end is up. Pull up slack.

Tuck flap in and press velcro strips together. Be sure end of grate is completely covered by flap or Dandy Bag™ will not work properly.

Holding handles, carefully place Dandy Bag™ with grate inserted into catch basin frame.

Maintenance: With a stiff bristle broom or square point shovel. Remove silt & other debris off surface after each event. Remove fine material from inside envelope as needed.

Inspection: Remove unit with grate inside, inspect catch basin and replace unit.

### MINIMUM AVERAGE FABRIC VALUES

| PROPERTIES | TEST METHOD | TEST METHOD |
|---|---|---|
| Grab Tensile Strength (lbs)(warp/fill) | ASTM D 2632 | 360/260 |
| Grab Elongation (%)(warp/fill) | ASTM D 4632 | 27/15 |
| Trapezoid Tear (lbs)(warp/fill) | ASTM D 4593 | 100/80 |
| Puncture (lbs) | ASTM D 4833 | 130 |
| Mullen Burst (psi) | ASTM D 3786 | 515 |
| Ultra-Violent Resistance (% @ 500 hrs.) | ASTM D 2355 | 90% |
| Apparent Opening Size (U.S. sieve size) | ASTM D 4751 | 30 |
| Permitivity ($sec^{-1}$) | ASTM D 4891 | 110 |
| Permeability k (cm/sec) | ASTM D 4491 | 05 |
| Open Area (%) | COE0221586 | 11% |
| Mass per Unit Area (oz/SY) | ASTM D 5261 | 58 |
| Water Flow Rate (gpm/sf) | ASTM D 4891 | 110 |

DANDY PRODUCTS Inc
800-591-2284
614-875-2280 local
2011-R Harrisburg Pike
Grove City, Ohio 43123
FAX 614-875-6305
e-mail: dandy@oscine1.com

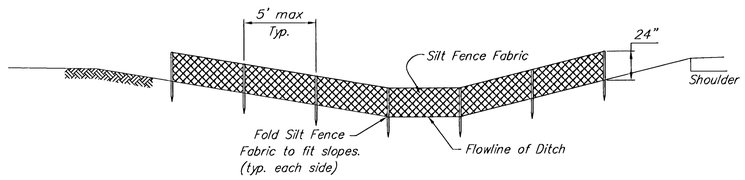
## GENERAL NOTES

STRAW OR HAY BALE NOTES:

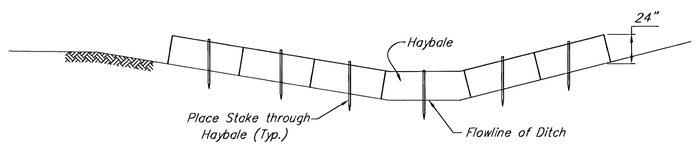
1. Place Bales tightly together, with loose straw or hay wedged between Bales to close off any openings.
2. Wood Stakes shall be 2" x 2" (nom.) x 4'-0" long (min.)
3. Use as many Bales as necessary to completely block the entire width of ditch flowline, with excess Bale length cut into fore and back slopes.
4. Use as many Bales as necessary on fore and back slopes to insure water does not flow around barrier.
5. Use only twine to bind bales. The use of wire binding is prohibited because it does not readily biodegrade.

SILT FENCE NOTES:

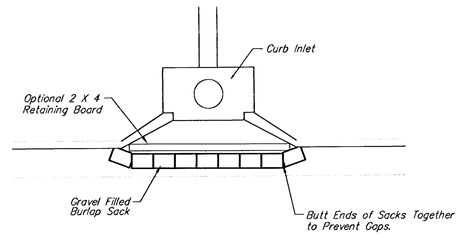
1. Wood Stakes shall be 2" x 2" (nom.) x 5'-0" long (min.)
2. Attach Fence Fabric to wood stakes with staples, wire, or nails.
3. Use as many wood stakes as necessary to achieve a maximum spacing of 5' across ditch cross section.

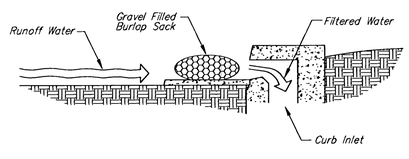



## SILT FENCE DITCH CHECK




## HAY BALE DITCH CHECK

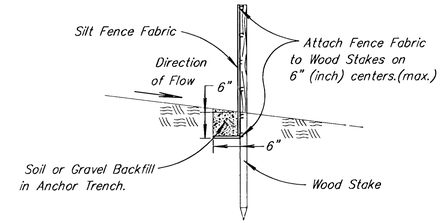



Note: Socks to be filled with 1" to 3" Clean Gravel

## CURB INLET SEDIMENT BARRIER

| TEMPORARY DITCH CHECK SPACING | |
|---|---|
| DITCH ℄ SLOPE (%) | SPACING INTERVAL (Ft.) |
| 1.0 | 200 |
| 1.5 | 133 |
| 2.0 | 100 |
| 2.5 | 80 |
| 3.0 | 66 |
| 3.5 | 57 |
| 4.0 | 50 |
| 4.5 | 44 |
| 5.0 | 40 |
| 5.5 | 38 |
| 6.0 | 35 |
| 6.5 | 30 |
| 7.0 | 28 |
| 7.5 | 26 |
| 8.0 | 25 |
| 8.5 | 23 |
| 9.0 | 22 |
| 9.5 | 21 |
| 10.0 | 20 |




## SILT FENCE DITCH CHECK SECTION

NOTE: For clarity of details, this view has been enlarged.

| EROSION CONTROL SUMMARY | | | |
|---|---|---|---|
| | Gravel Sediment Barriers | Hay Bales | Silt Fence Ditch Check (L.F.) |
| Inlets | 2 | – | – |
| Manholes | – | – | – |
| Other | – | – | 140 |

Note: For Information Only

REVISED

# MISCELLANEOUS EROSION CONTROL DETAILS

Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
924 North Main
Wichita, Kansas 67203
www.rbkansas.com
(316) 264-8008
(316) 264-4621 fax
E-mail: info@rbkansas.com

DRAWING FILE: Sediment Barrier Details
PROJECT NUMBER: 472-83482
DESIGN:
DRAWN:
REVIEW:
UTILITY:
DATE: Nov. 27, 2002
RB JOB: 2008E
SHEET: 5 OF 27