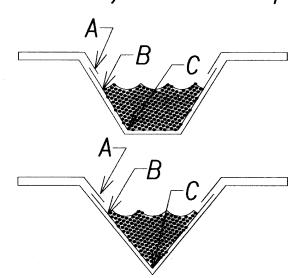


- 1. Prepare soil before installing blankets, including any necessary application of lime, fertilizer, and seed. Note: when using cell-o-seed do not seed prepared area. Cell-o-seed must be installed with paper side down.
- 2. Begin at the top of the channel by anchoring the blanket in a 6" (15 cm) deep x 6" (15 cm) wide trench with approximately 12" (30 cm) of blanket extended beyond the up-slope portion of the trench. Anchor the blanket with a row of staples/stakes approximately 12" (30 cm) apart in the bottom of the trench. Backfill and comapct the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of blanket back over seed and compacted soil. Secure blanket over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) across the width of the blanket.
- 3. Roll center blanket in direction of water flow in bottom of channel. Blankets will unroll with appropriate side against the soil surface. All blankets must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide. When using the dot system, staples/stakes should be placed through each of the colored dots corresponding to the appropriate staple pattern.
- 4. Place consecutive blankets end over end (shingle style) with a 4" 6" (10 cm -15 cm) overlap. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center to secure blankets.
- 5. Full length edge of blankets at top of side slopes must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
- 6. Adjacent blankets must be overlapped approximately 2" 5" (5 cm -12.5 cm) (depending on blanket type) and stapled.
- 7. In high flow channel applications, a staple check slot is recommended at 30 to 40 foot (9 m 12 m) intervals. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center over entire width of the channel.
- 8. The terminal end of the blankets must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
 - * In loose soil conditions, the use of staple or stake lengths greater than 6" (15 cm) may be necessary to properly anchor the blankets.



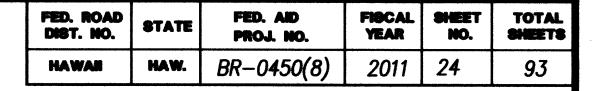
a. Overlaps and seams

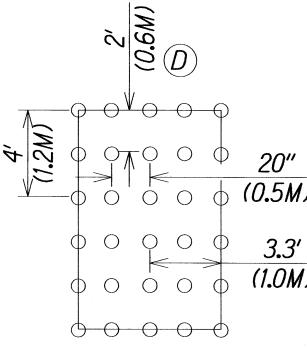
Critical points

- b. Projected water line c. Channel bottom/side slope vertices
- * Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.
- ** In loose soil conditions, the use of staple or stake lengths greater than 6" (15 cm) may be necessary to properly anchor the blankets.

EROSION CONTROL BLANKET INSTALLATION FOR CHANNELS

NOT TO SCALE

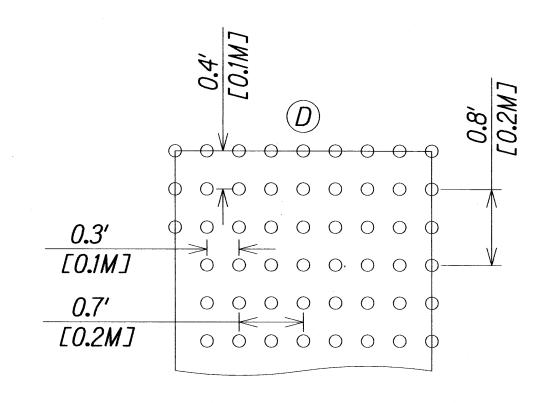




3.4 Staples Per Sq. Yd.

STAPLE PATTERN GUIDE-6.67' WIDE ROLLS

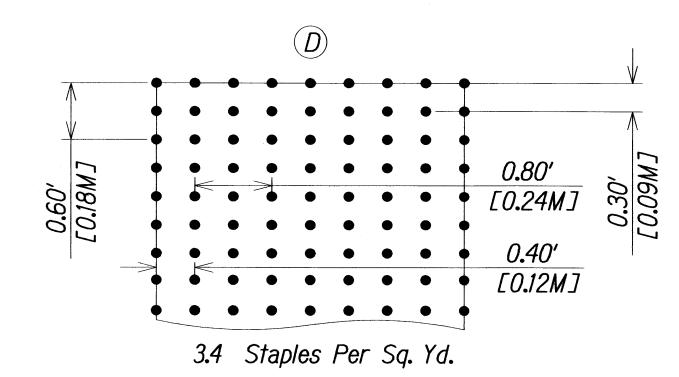
NOT TO SCALE



3.4 Staples Per Sq. Yd.

STAPLE PATTERN GUIDE-13.3' WIDE ROLLS

NOT TO SCALE



0.80'

[0.24M]

3.4 Staples Per Sq. Yd.

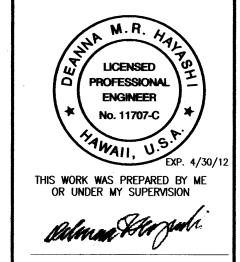
3.4 Staples Per Sq. Yd.

STAPLE PATTERN GUIDE-8' WIDE ROLLS

0.60' [0.18M]

NOT TO SCALE

STAPLE PATTERN GUIDE-16' WIDE ROLLS NOT TO SCALE



STATE OF HAWAII **DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL BLANKET DETAILS

KAMEHAMEHA V HIGHWAY Kawela Bridge Replacement Federal Aid Project No. BR-0450(8)

Scale: AS NOTED

SHEET No. C210 OF 93 SHEETS

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Date: Oct. 2010