

Slope Installation Instructions

This is a basic guide on use and installation of WINFAB erosion control blankets (ECB). Any questions about installation for a specific job should be directed to the project engineer.

1. A 6"x6" trench should be dug on both the up-slope and down-slope of the location where the ECB is to be used. Raking, seeding, and fertilizing per the project requirements shall also be done at this time.

2. The next step is to place the ECB. This should be done a minimum of 12" down-slope of the up-slope trench. The blanket then needs to be secured at the bottom of the trench with sod staples* that are placed at a minimum of 12" intervals across the width of the ECB. (diagram A)

3. The ECB now can be unrolled vertically down the slope. After the ECB is unrolled, secure it in place with the necessary staples as shown by the diagram based on the slope.

4. ECBs running parallel to each other shall be overlapped by a minimum of 4" and secured every 3' with a sod staple*. (diagrams B)

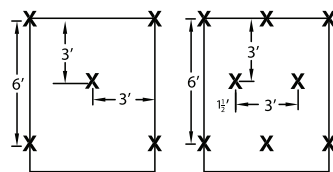
5. Vertical ECBs can be joined together by overlapping 4" or more of the ECBs in a "shingle style" (diagrams C) in the direction of the water flow. Secure the ECBs with sod staples* every 12" across the width of the ECBs.

6. To obtain maximum ECB performance, place a check slot at 25'-40' intervals. Place sod staples* in a row 4" apart down the entire slope. A second row of sod staples* shall be staggered below the previous row. Continue Installation. (Diagrams D)

7. Secure the end of the blanket in a 6"x6" trench with sod staples* placed every 12". (diagrams E)

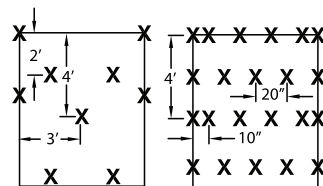
*Sod staples used should be 11 gauge with a length of 6" and a crown (width) of 1"

Staple Patterns



0.7 staples/yd²
4:1 SLOPES

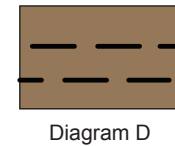
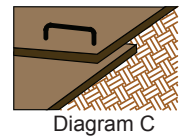
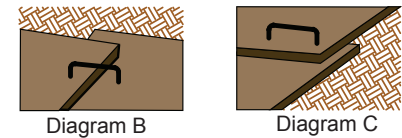
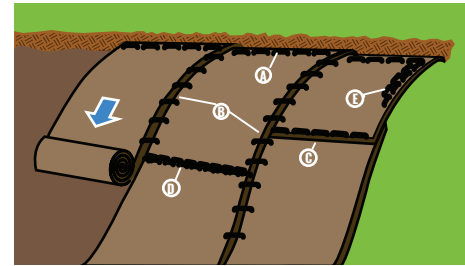
1.2 staples/yd²
3:1 SLOPES



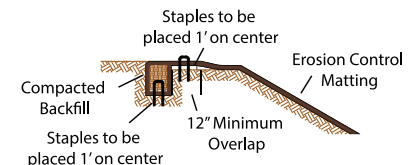
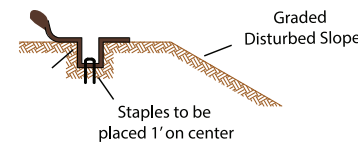
1.75 staples/yd²
2:1 SLOPES

3.8 staples/yd²
1:1 SLOPES

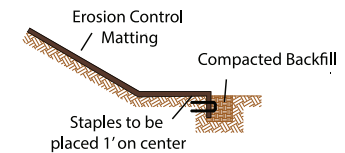
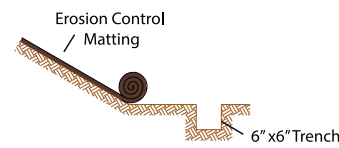
Slope Installation Detail Guide



Up-Slope Trend Installation Detail (Diagram A)



Down-Slope Installation Detail (Diagram E)



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Channel Installation Instructions

1. A 6"x6" trench should be dug on both the up-slope, down-slope, and along the top side of the channel where the ECB is to be used. Raking, seeding, and fertilizing per the project requirements shall also be done at this time. If the ECB is being used with storm water discharge, the up-slope trench shall be at the face of the discharge footer.

2. The next step is to place the ECB. This should be done by placing the center ECB a minimum of 12" down-slope of the up-slope trench. The blanket then needs to be secured at the bottom of the trench with sod staples* that are placed at minimum of 12" intervals across the width of the ECB. Backfill and compact the trench. Apply seed as required and fold the ECB over the soil. Secure in place with sod staples* every 12" across the width of the ECB. (diagram A)

3. The ECB now can be unrolled vertically down the slope. After the ECB is unrolled, secure it in place with the necessary staples as shown by the diagram based on the flow (medium to high, or high flow) of the channel.

4. Other ECBs can now be placed up the slopes on both sides of the channel. The ECBs shall be overlapped by a minimum of 4" (diagram B) and secured in the beginning trench with a sod staples*. (diagram A)

5. Additional horizontal ECBs can be joined together by overlapping 4" or more of the ECBs in a "shingle style" in the direction of the water flow. Secure the ECBs with sod staples* every 5" across the width of the ECBs. (diagram C)

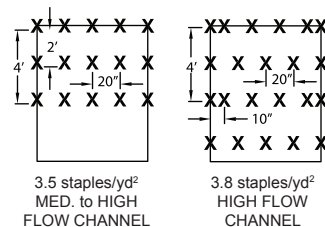
6. To obtain maximum ECB performance, place a check slot at 25'-40' intervals. Place sod staples* in a row 4" apart down the entire slope. A second row of sod staples* shall be staggered below the previous row. (diagram D)

7. Secure the end of the blanket in a 6"x6" trench with sod staples* placed every 12". (diagram E)

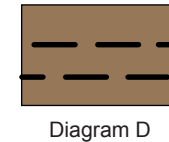
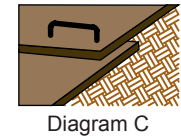
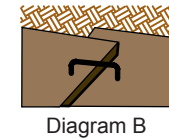
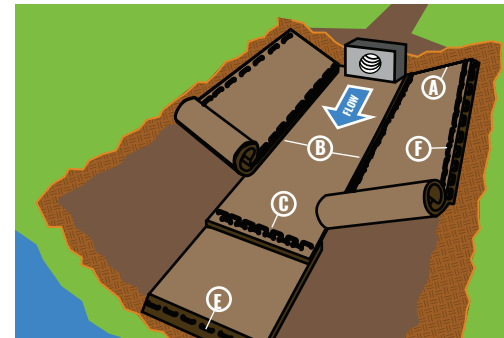
8. The ECB can now be secured at the top edge of the side slope in a 6" trench with sod staples* placed every 12". Sod staples* shall also be placed in an additional row every 12" down-slope of the trench along the entire width of the ECB. (diagram F)

*Sod staples used should be 11 gauge with a length of 6" and a crown (width) of 1".

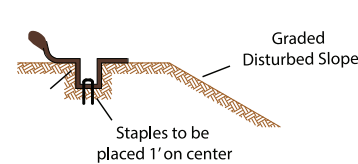
Staple Patterns



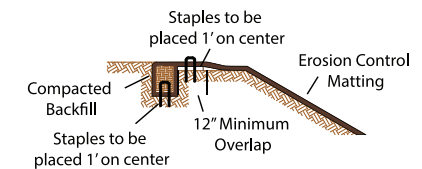
Channel Installation Detail



Up-Slope Trend Installation Detail (Diagram A)

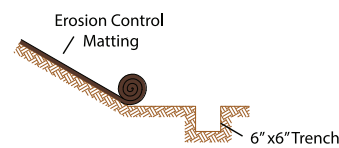


Step 1

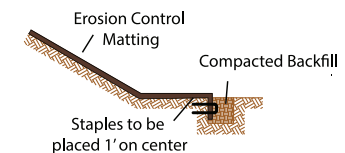


Step 2

Down-Slope Installation Detail (Diagram E)



Step 1



Step 2

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