

SECTION 808 -- EROSION CHECKS

808.01 -- Description

This work shall consist of seeding, trenching, furnishing and placing filter fabric, furnishing and placing soil retention blankets, and furnishing and placing hay bales to construct erosion checks at the locations shown in the plans.

808.02 -- Material Requirements

1. The bales for erosion checks shall be either hay or straw tied firmly with a wire or plastic tie and shall be approximately 400 mm x 450 mm x 925 mm.
2. a. The hold down stakes shall be wood and shall be approximately 40 mm x 40 mm x 925 mm.
b. Hold down stakes in shale shall be steel reinforcement bars approximately 12.5 mm diameter x 750 mm length.
3. The soil retention blankets shall be of the type specified in the plans and shall be on the NDR Approved Products List.
4. The erosion check filter fabric shall be on the NDR Approved Products List.

808.03 -- Construction Methods

1. The Contractor shall place erosion checks immediately after finish grading is complete in areas where erosion checks are to be constructed.
2. The Contractor shall excavate a trench to seat the hay bales.
3. The Contractor shall place the filter fabric as shown in the plans and immediately pin any splice joints in the filter fabric.
4. The Contractor shall place a layer of soil 12.5 to 25 mm in depth over the filter fabric.
5. The remainder of the area shall be prepared and the entire area shall be fertilized and seeded in accordance with Sections 803 and 804.
6. a. The Contractor shall then place the soil retention blanket in the trench and staple it as shown in the plans.
b. If the filter fabric is attached to the erosion control blanket, then the seed shall be broadcast over the blanket and then the blanket shall be soil filled.
7. The hay bales shall then be placed in the trench over the filter fabric and soil retention blanket with bale ties up and backfilled to the level of the finished ditch elevation.

8. The limits of the completed erosion check shall extend up the foreslope and backslope of the ditch to effectively contain the run-off and prevent erosion and washout at the edges of the installation.

9. All bales shall be held securely in place by driving 2 stakes through each bale (150 mm from the ends).

10. In shale, the 2 reinforcing steel stakes in each bale shall be wired together to prevent the bale from floating off the stakes.

11. All stakes shall be driven into the ground approximately 250 mm.

808.04 -- Method of Measurement

All work involved in constructing erosion checks as described above will be included and paid for per bale for the number of bales used in the erosion checks.

808.05 -- Basis of Payment

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| 1. | <u>Pay Item</u> | <u>Pay Unit</u> |
| | Erosion Check | Bales |
| | Erosion Checks, Type _____ | Bales |
| 2. | Payment is full compensation for all work prescribed in this Section. | |