

XX006729 PERIMETER EROSION BARRIER, ROLLED EXCELSIOR (LCDOT)

Effective: May 5, 2015

Revised: October 17, 2016

Description: This work shall consist of constructing, removing and disposing of a rolled excelsior perimeter erosion barrier as part of the project's temporary erosion control system. **For use on LCDOT let projects only - do not include in IDOT let projects. Delete this note from the Contract Specifications.**

Description: This work shall consist of constructing, maintaining, removing and disposing of a rolled excelsior perimeter erosion barrier as part of the project's temporary erosion control system. **For use on IDOT let projects w/Federal Funds only - do not include in LCDOT let projects. Delete this note from the Contract Specifications.**

General: The work shall be performed according to Section 280 of the "Standard Specifications" and the following:

The perimeter erosion barrier shall be limited to rolled excelsior. The purpose is to prevent the eroded soil from being transported off the construction site by water runoff.

All removed materials shall be disposed of outside the right-of-way according to Article 202.03 of the "Standard Specifications".

Materials: The rolled excelsior shall consist of a polypropylene multi-filament woven netting sealed with metal clips or knotted at the ends. The filler material shall be 70% bark-free hardwood mulch ground at 1.5" and 30% bark-free hardwood mulch ground fine. The density shall be a minimum of 3.3 pounds per cubic foot based on a moisture content of 18% at manufacturing. The netting material shall retain 89% of its strength after 500 hours of exposure to sunlight. The maximum opening in the netting shall not exceed 1x1 mm in a tubular knit design.

Construction: The rolled excelsior logs shall be installed according to the manufacturer's specifications.

Maintenance: The Contractor shall inspect all rolled excelsior logs immediately after each rainfall and at least daily during prolonged rainfall. The Contractor shall immediately correct any deficiencies.

The Contractor shall also make a daily review of the location of rolled excelsior logs in areas where construction activities have altered the natural contour and drainage runoff to ensure that the rolled excelsior logs are properly located for effectiveness. Where deficiencies exist as determined by the Engineer, additional rolled excelsior logs shall be installed as directed by the Engineer.

Damaged or otherwise ineffective rolled excelsior logs shall be repaired or replaced promptly.

Sediment deposits shall either be removed when the deposit reaches half the height of the rolled excelsior log or a second rolled excelsior log shall be installed as directed by the Engineer.

The rolled excelsior log shall remain in place until the Engineer directs it to be removed. After the rolled excelsior log removal, the Contractor shall remove and dispose of any excess sediment accumulations, dress the area to give it a pleasing appearance, and cover with vegetation all bare areas according to the contract requirements.

The removed rolled excelsior logs may be used at other locations provided the netting and other material requirements continue to be met to the satisfaction of the Engineer.

During the construction operation when any loose material is deposited in the flow line of ditches, gutters or drainage structures so the natural flow of water is obstructed, the material shall be removed at the close of each working day.

At the conclusion of the construction operations all drainage structures shall be free from all dirt and debris. This work will not be paid for separately but shall be considered included in the unit cost of PERIMETER EROSION BARRIER, ROLLED EXCELSIOR.

Method of Measurement: This work will be measured for payment in place in feet.

Basis of Payment: This work will be paid for at the contract unit price per foot for PERIMETER EROSION BARRIER, ROLLED EXCELSIOR. *The unit price shall include all work and materials necessary to properly install the barrier and to remove and dispose of the used materials at the completion of the project. Maintenance requirements shall be included and paid for under the special provision for MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.* For use on LCDOT let projects only - do not include in IDOT let projects. Delete this note from the Contract Specifications.

Basis of Payment: This work will be paid for at the contract unit price per foot for PERIMETER EROSION BARRIER, ROLLED EXCELSIOR. *The unit price shall include all work and materials necessary to properly install the barrier, maintain the rolled excelsior perimeter erosion barrier throughout the project, and to remove and dispose of the used materials at the completion of the project.* For use on IDOT let projects w/Federal Funds only - do not include in LCDOT let projects. Delete this note from the Contract Specifications.