

SECTION 01014 - STORMWATER CONTROL, WATER QUALITY FILTER STRIP

(Follow all instructions and make all edits with "Track Changes" turned on. This Section is not published in the Oregon Standard. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project, unless the item(s) that are included in the subsection, paragraph, sentence, or bullet are not required on the Project and then they should be deleted. In general do not re-number or re-letter subsections when item(s) are deleted. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Section 01014 is not a Standard Specification and is included for this Project by Special Provision.

Description

01014.00 Scope - This Work consists of furnishing and installing a water quality filter strip as shown.

(Delete material items that do not apply and include other materials as necessary.)

Materials

01014.10 Water Quality Mixture - Furnish medium compost meeting the requirements of Section 03020. Furnish soil meeting the following gradation requirements:

Sieve Size	Percent Passing (by Weight)
No. 4	100
No 10	95 - 100
No. 40	40 - 60
No. 100	10 - 25
No. 200	5 - 10

Sample soil according to AASHTO R 90. Determine sieve analysis according to AASHTO T 27 and AASHTO T 11.

Blend the medium compost and soil so that the mixture:

- Is composed of between 20 percent and 25 percent medium compost material and between 75 percent and 80 percent soil material.
- Has a pH between 5.5 and 8.0.
- Does not have clumps greater than 3 inches in any direction.

01014.11 Facility Field Markers - Furnish field markers meeting the requirements of 00842.10.

Construction

01014.40 General - Construct water quality filter strip facility as shown. Perform excavation, fine grading, and placement work only when the facility area is dry and only from the perimeter of the filter strip area. Do not stockpile excavated material in the facility area. Scarify the subsoil area a minimum 12 inches deep. After scarification, place the water quality mixture in maximum 12-inch Lifts. Compact each Lift with a water filled landscape roller. Seed according to 01030.13.

01014.41 Facility Field Markers - Install field markers as shown and according to Section 00842.

Maintenance

01014.70 Cleaning - If a stormwater control facility is used for erosion and sediment control, remove all accumulated sediment and debris before completing the facility.

Measurement

01014.80 Measurement - No measurement of quantities will be made for Work performed under this Section. The estimated quantities of Materials are:

(Identify filter strips by the Drainage Facility Identification Number (DFI). List each DFI separately. Obtain the DFI, the items, and the quantities from the Designer. Fill in all the required blanks. Delete items that do not apply. Copy and paste for multiple facilities.)

Filter Strip (DFI) Quantities:

Item	Quantity
Excavation	_____ Cu. Yd.
Water Quality Mixture	_____ Cu. Yd.

Field facility markers will be measured according to 00842.80.

Payment

01014.90 Payment - The accepted quantities of Work performed under this Section will be paid for at the Contract lump sum amount for the item "Water Quality Filter Strip, _____".

The drainage facility identification number is inserted in the blank.

Field facility markers will be paid for according to 00842.90.

Payment will be payment in full for furnishing and placing all Materials, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

