



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION

1401 EAST BROAD STREET
RICHMOND, VIRGINIA 23219-2000

Date: August 15, 2016

To: Virginia Design, Construction and Maintenance Communities;
VDOT Location & Design, R/W and Utilities, Construction, Materials, and Local Assistance

From: Jeff Bragdon, P.E. – State Hydraulics and Utilities Engineer – L&D
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Subject: Soil Stabilization; Rolled Erosion Control Products (RECP), EC2 and EC3, Hydraulic Erosion Control Products (HECPs); Mulches, Sediment Retention Rolls, Nitrogen (N), Phosphorus (P), and Potassium (K)

The following shall be the Implementation Plan for the Use of EC-2 and EC-3 on Tier 1 and 2 Projects, effective immediately:

Scenario 1:

Projects advertised prior to 01/01/2017, utilizing the 2008 Road and Bridge Standards and following the 2016 Road and Bridge Specifications, will require the Special Provision (SP600-000100-00) for Roadside Development and Soil Stabilization (<http://www.virginiadot.org/business/const/spec-default.asp>), dated: July 12, 2016.

Scenario 2:

Projects that have completed Field Inspection prior to 07/01/16, and are advertised before 01/01/2018, will make a substitution for all EC-2 and EC-3 materials as directed in the General Notes and Summary on the approved plans. Materials will conform to the 2016 Road and Bridge Specifications.

Scenario 3:

Projects that have not completed Field Inspection by 07/01/16 or advertised on or after 1/1/2018 must be designed in accordance with the 2016 Road and Bridge Standards and Specifications.

The following items are to be summarized, when applicable, in the Erosion & Sediment Control Summary:

TEMPORARY ROLLED EROSION CONTROL PRODUCT

<u>ITEM</u>	<u>UNIT</u>	<u>ITEM CODE</u>
<i>EC-2 Type 1</i>	<i>SY</i>	<i>27318</i>
<i>EC-2 Type 2</i>	<i>SY</i>	<i>27319</i>
<i>EC-2 Type 3</i>	<i>SY</i>	<i>27320</i>
<i>EC-2 Type 4</i>	<i>SY</i>	<i>27321</i>

PERMANENT ROLLED EROSION CONTROL PRODUCT

<u>ITEM</u>	<u>UNIT</u>	<u>ITEM CODE</u>
<i>EC-3 Type 1</i>	<i>SY</i>	<i>27325</i>
<i>EC-3 Type 2</i>	<i>SY</i>	<i>27326</i>
<i>EC-3 Type 3</i>	<i>SY</i>	<i>27327</i>

MULCHES - HYDRAULIC EROSION CONTROL PRODUCT (HECP)

<u>ITEM</u>	<u>UNIT</u>	<u>ITEM CODE</u>
<i>HECP Type 1</i>	<i>SY</i>	<i>27110</i>
<i>HECP Type 2</i>	<i>SY</i>	<i>27111</i>
<i>HECP Type 3</i>	<i>SY</i>	<i>27112</i>
<i>HECP Type 4</i>	<i>SY</i>	<i>27113</i>

SEDIMENT RETENTION ROLL SLOPE INTERRUPTER (18" Min.)

<u>ITEM</u>	<u>UNIT</u>	<u>ITEM CODE</u>
<i>EC-15</i>	<i>LF</i>	<i>27120</i>

FERTILIZER

<u>ITEM</u>	<u>UNIT</u>	<u>ITEM CODE</u>
<i>Nitrogen (N)</i>	<i>LBS</i>	<i>27230</i>
<i>Phosphorus (P)</i>	<i>LBS</i>	<i>27231</i>
<i>Potassium (K)</i>	<i>LBS</i>	<i>27232</i>

Approved products can be found at:

http://www.virginiadot.org/business/resources/Materials/Approved_Lists.pdf

<u>ITEM</u>	<u>APPROVED LIST</u>
Mulches (HECP Types 1 thru 4)	79
Temporary Rolled Erosion Control Products (EC-2 Types 1 thru 4)	80
Permanent Rolled Erosion Control Products (EC-3 Types 1 thru 3)	81
Biological Growth Stimulants	82
Sediment Retention Rolls (Compost Filter Socks and Sediment Tubes)	83
Class B Manufactured Topsoil	84

Please refer to Section 7.4.6 of the VDOT Drainage Manual for design guidance regarding RECP. Also, please see Chapter 10 and Appendix 10B-1 for guidance regarding Slope Interrupter Devices.

<http://www.virginiadot.org/business/locdes/hydra-drainage-manual.asp>

Please refer to the Road and Bridge Standards and Specifications, Sections 244 (Roadside Development Materials), 603 (Seeding), and 606 (RECP).

http://www.virginiadot.org/business/locdes/vdot_road_and_bridge_standards.asp
<https://insidevdot.cov.virginia.gov/div/sc/Design/Specs/SitePages/Home.aspx>
