

December 18, 2015

MEMORANDUM TO: Mohammed Mulla, P.E., C.P.M.
Contracts and Statewide Services Manager

K. J. Kim, Ph.D., P.E.
Eastern Regional Geotechnical Manager

Eric Williams, P.E.
Western Regional Geotechnical Manager

FROM: John Pilipchuk, L.G., P.E.
State Geotechnical Engineer

SUBJECT: Reinforced Soil Slopes (RSS), Cellular Confinement Systems
and Geosynthetics Provisions and RSS Details

DocuSigned by:
John Pilipchuk
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The Support Services Section has completed the following items:

Prov/ Detail No.	Title/Name	New/ Rev	Standard Type	Custodian	Summary of Changes
12, 1803.01, 1803.02	Reinforced Soil Slopes (RSS)	Rev	Provision and Details	Geotech	<ul style="list-style-type: none"> • Formats provision for electronic plans • Addresses additional preconstruction meetings in provision • Removes permanent soil reinforcement matting (PSRM) • Adds coir fiber mat and matting for erosion control with shoulder and slope borrow and geocells with compost blanket for slope erosion control • Removes restriction for Class II and III select material in the reinforced zone • Renames standard drawing to standard detail • Revises LTDS and L/H Ratio table ranges to 12 ft increments in details • Creates 2 standard RSS details, one for high groundwater and another for low groundwater

Prov/ Detail No.	Title/Name	New/ Rev	Standard Type	Custodian	Summary of Changes
13	Cellular Confinement Systems	New	Provision	Geotech	<ul style="list-style-type: none"> Addresses geocells on slope faces for erosion control References Roadside Environmental's Compost Blanket provision for filling geocells
SP10 R25	Geosynthetics	New	Provision	Contract Standards	<ul style="list-style-type: none"> Replaces Section 1056 Incorporates current changes to Section 1056 from Materials provision Revises geocomposite drain requirements Adds strip drains and wick drains to geocomposite drains in Article 1056-5 Adds new Article 1056-6 for geocells
SP10 R01	Materials	Rev	Provision	Contract Standards	<ul style="list-style-type: none"> Removes references to Section 1056 due to new Geosynthetics (Section 1056) provision

The Geotechnical Summary Tables, QtySummary spreadsheet and Page Number database have all been updated for the RSS changes. The provisions listed above are available for your reference on the Geotechnical website and the S drive under \Shared\Standards\Provisions, Notes, Details & Cells (2012 Std Specs)\. The RSS details are available from the current geotechnical workspace in geotechnical design cell library entitled *Geotechnical_Design_English.cel* with a cell library modification date of December 18, 2015.

The Geotechnical provisions and details are effective with the April 19, 2016 letting and the Contract Standards provisions are effective with the February 16, 2016 letting. All RSS recommendations for previously completed projects that are not yet let are required to be updated due to the scope of changes being implemented. This will include revised summary tables and quantities, revised provision and detail recommendations and updated entries in the Page Number database for RSS. If there are any questions, please contact Scott Hidden, P.E. at (919) 707-6856.

cc: Randy Garris, P.E., State Contract Officer
 Andy Gay, P.E., Proposals and Contract Engineer
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