

5480206 RETAINING WALL SYSTEMS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comment: (1-2-13)

Strata appreciates the opportunity to review the proposed specification, 5480206 Retaining Wall Systems and finds the proposed changes acceptable. Although the requirements for geosynthetic reinforcement were not included in the proposed changes, Strata does suggest that FDOT ensure geosynthetic reinforcement allowed under Section 548 be listed in FDOT Index 501. Strata also suggests that FDOT consider requiring approved geosynthetic reinforcement suppliers to maintain a current National Transportation Product Evaluation Program (NTPEP) report for geosynthetic reinforcement, and FDOT accept the NTPEP report as the basis for justifying submitted values.

Response:

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D4 Construction

Comment: (1-3-13)

**548-9.7.8 First paragraph:**

*548-9.7.8 Friction Angle: When the friction angle depicted in the shop drawings exceeds 30 degrees for sand backfill or 34 degrees for limerock backfill, the Engineer will take a verification sample at the point of placement to perform a direct shear verification test in accordance with FM 1-T 236. The ~~State-Materials Office~~ or a Consultant qualified to perform Geotechnical Specialty Lab Testing (Type of Work 9.5), ~~under the~~ per Rule 14-75 of the Florida Administrative Code will perform the verification testing. If the test verifies the material has a friction angle greater than or equal to the friction angle depicted in the shop drawings, the material in the LOTs will be verified. If the verification test does not meet the required friction angle, reconstruct the LOTs with acceptable material.*

*The Contractor may request to redesign the wall and resubmit the shop drawings with the lower friction angle indicated by the verification test. -Employ a Professional Engineer to redesign and submit signed and sealed drawings and computations. -Do not begin any reconstruction until the proposed redesign has been reviewed and approved by the Engineer. The Contractor shall bear the costs of the redesigning and any work resulting from the design changes.*

Suggest we define/explain what constitutes a LOT for this test. In the testing frequency table we conduct one test per soil type, so should we change the reference from LOT to “soil type”?

Response:

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