Origination Form

Specifications

Name:	Kelly Shishlova	**Standard Specification Section:**	524
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Date:	2025-05-20T12:15:09Z	**Associated Specs:**	None

Summary:

Changes are being made across the specification book to update "filter fabric" and "fabric" to either "Geosynthetic Materials" or "geotextile" where appropriate. Furthermore, clarifications were made to 524-5.4 regarding the placement of the geotextile.

Justification:

Currently the specification refers to geotextiles used for drainage as "filter fabric", a term used more commonly in landscaping. However, this term does not encompass the broader range of applications which include reinforcement and stabilization. Clarification was needed for section 524-5.4 to more precisely describe the placement of the geotextile beneath concrete ditch pavement and around weep holes.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans	Rick Jenkins	Yes
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No

Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

Yes, the changes ensure clear understanding regarding the uses of geosynthetic materials which play a pivotal role in long-term performance of various structures.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

None

What impact does the change have on production or construction schedules?

None

How does this change improve efficiency or quality?

This change improves quality by including the broader category of uses of geosynthetic materials beyond filtration, such as reinforcement and stabilization, which considers factors such as strength of the material that are important for the long-term performance.

Which FDOT offices does the change impact?

Design, Materials, and Construction.

What is the impact to districts with this change?

None, as this is only a clarification.

Does the change shift risk and to who?

No, the change does not shift risk.

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: https://www.fdot.gov/programmanagement/Specs.shtm

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

CONCRETE DITCH AND SLOPE PAVEMENT
(REV 7-17-25)

ARTICLE 524-2 is deleted and the following substituted:

524-2 Materials.

Concrete .....Section 347
Preformed Expansion Joint Material* 932-1.1
~~and~~ Hot Poured Sealer* ~~.....~~
..... ~~Section~~ 932-1.2
Drainage Geotextile Type D-1, D-2, or D-4 .....~~Filter Fabric~~* ~~Section~~ 985-3
Reinforcing Steel .....Section 415
*Use products listed on the Department's Approved Product List (APL).

SUBARTICLE 524-5.4 is deleted and the following substituted:

524-5.4 ~~Filter Fabric~~Geotextile: Place ~~filter fabric~~ geotextile as detailed in Standard Plans Index 524-001, directly beneath all concrete ditch pavement for the entire length and width of the pavement. When weep holes are required per the Plans, ~~, regardless of the pavement thickness. P~~place ~~filter fabric~~ geotextile below the ~~weep hole~~ aggregate to form a mat continuous with the pavement ~~filter fabric~~ geotextile.~~or underlapping the pavement filter fabric, if present.~~