ORIGINATION FORM

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: June 5, 2023

Originator: Dino Jameson

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Email: dino.jameson@dot.state.fl.us

Standard Plans:

Index Number: 102-110

Sheet Number (s): 4 of 17

Index Title: Type K Temporary Concrete Barrier System

Summary of the changes:

Sheet 4: Updated the GEOTEXTILE FABRIC Note: GEOTEXTILE "Provide and install Type D-5 geotextile fabric in accordance with Specifications 514 to contain Back-Fill Materials behind the Barrier Units."

Areas of the Standard Plans where 985 is referenced for drainage details needs to now reference Specs 514 (Division II specs). The Contractor is not responsible for the producer requirements division III specs, but ensure that the product used is on the APL and used for appropriate intended use. Specs 514 essentially does reference 985 to meet the materials requirement.

Commentary / Background:

In the July 2022 SSRBC workbook, construction requirements for the Contractor for geosynthetic materials from Section 985 was removed. The reason for it was that the construction requirements doesn't belong in Division III of the specifications, as this is for producer requirements. Instead of applying specific requirements to each individual specs that references 985 in Division II, the Department is going to modify specification 514 to cover geosynthetics used for drainage applications. Specs 145 covers the reinforcement (structural) applications and construction requirements and erosion control has specific requirements in various areas of Division II, therefore, both erosion and reinforcement are covered. The only missing link in Division II is the drainage applications. Proposed changes to 514 cover construction requirements and material acceptance. In addition, specs 514 ensures that the Contractor obtains geosynthetic product from a manufacturer that meets 985 spec requirements.

Other Affected Offices / Documents: **(Provide name of person contacted)**

Yes	No	
☐	☑	Other Standard Plans –
☐	☑	FDOT Design Manual –
☐	☑	Basis of Estimates Manual –
☑	☐	Standard Specifications – Various sections where 985 is referenced.
☐	☑	Approved Product List –
☐	☑	Construction –
☐	☑	Maintenance –

Origination Package Includes: (Submit package to Rick Jenkins)

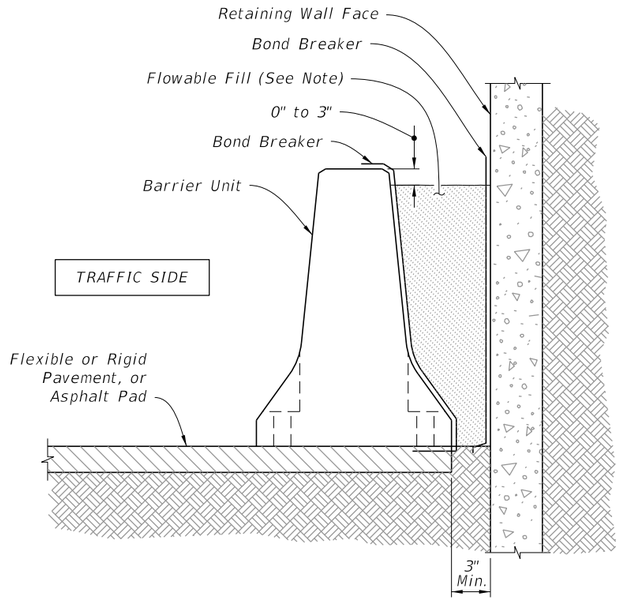
Yes	N/A	
☑	☐	Redline Mark-ups
☐	☑	Revised or Proposed Standard Plan Instruction (SPI)
☑	☐	Other Support Documents

Implementation:

- ☐ Design Bulletin (Interim)
- ☐ DCE Memo
- ☐ Program Mgmt. Bulletin
- ☑ FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

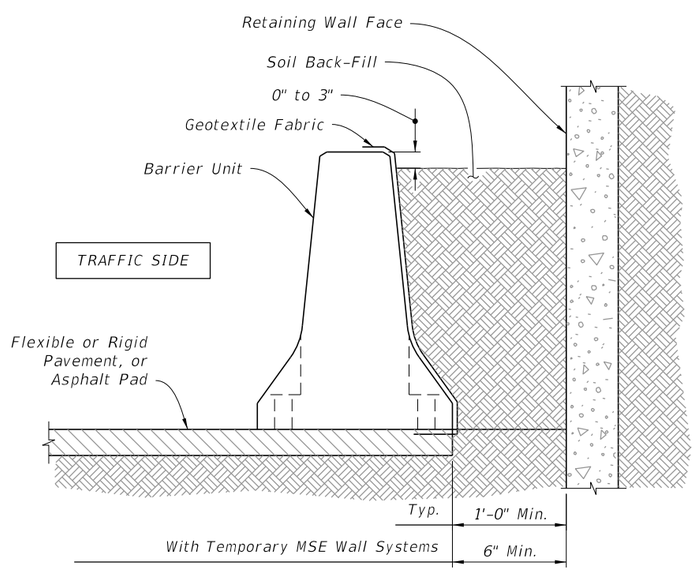
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us



TYPICAL SECTION
ADJACENT TO RETAINING WALL WITH FLOWABLE FILL BACK-FILL

NOTE:
Provide Excavatable Flowable Fill in accordance with Specification 121.

FLOWABLE FILL BACK-FILL ROADSIDE INSTALLATIONS



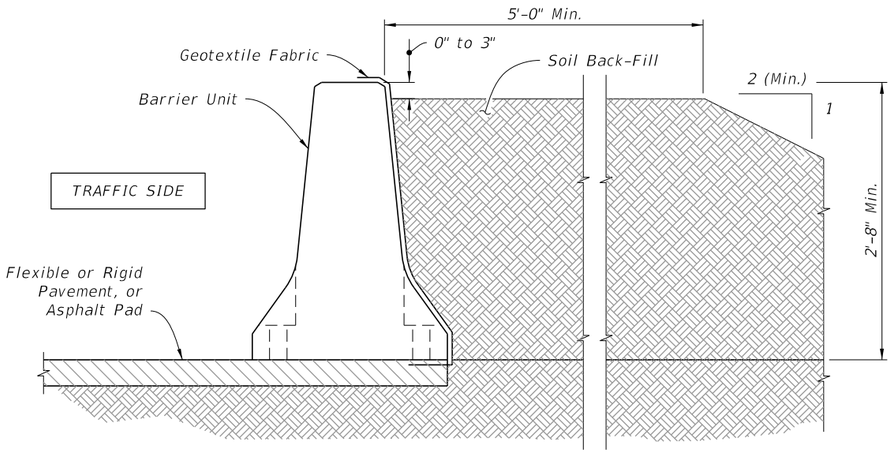
TYPICAL SECTION
ADJACENT TO RETAINING WALL WITH SOIL BACK-FILL

UPDATED: Provide and install Type D-5 geotextile in accordance with Specifications 514 to contain Back-Fill Materials behind the Barrier Units.

NOTES:

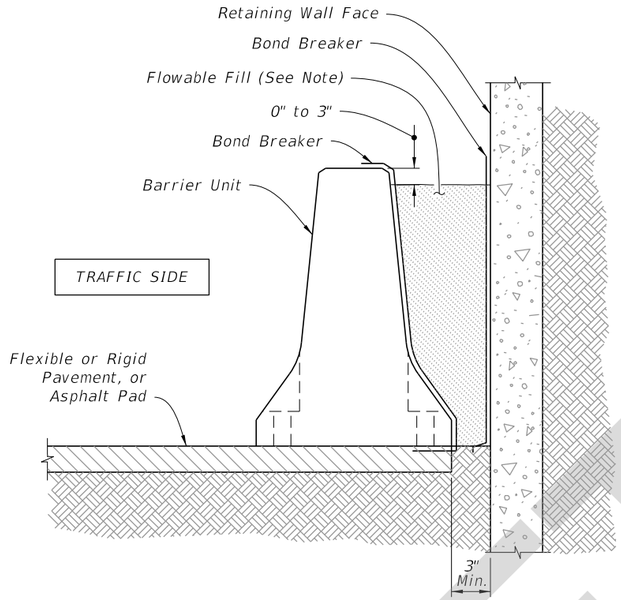
SOIL BACK-FILL MATERIAL: Provide Back-Fill Material consisting of any available clean soil. Compact Back-Fill Material until the soil mass is firm and unyielding. Provide erosion control as specified in the Plans. If none is specified in the Plans, provide erosion control as required tomaintain the integrity of the Back Fill embankment.

GEOTEXTILE FABRIC: ~~Provide Type D-5 Geotextile Fabric in accordance with Specification 985 to contain Back-Fill Material behind Barrier Units.~~ Geotextile ~~Fabric~~ may be continuous over the length and height of the installation or may be individual pieces as required to cover the Lift/DrainSlots and open vertical joints between Barrier Units.



TYPICAL SECTION
WITH SOIL BACK-FILL

SOIL BACK-FILLED ROADSIDE INSTALLATIONS

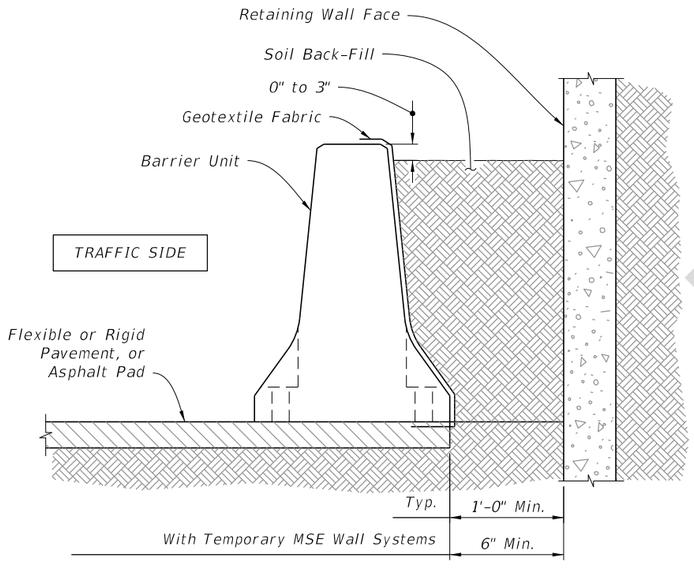


TYPICAL SECTION
ADJACENT TO RETAINING WALL WITH FLOWABLE FILL BACK-FILL

NOTE:

Provide Excavatable Flowable Fill in accordance with Specification 121.

FLOWABLE FILL BACK-FILL ROADSIDE INSTALLATIONS

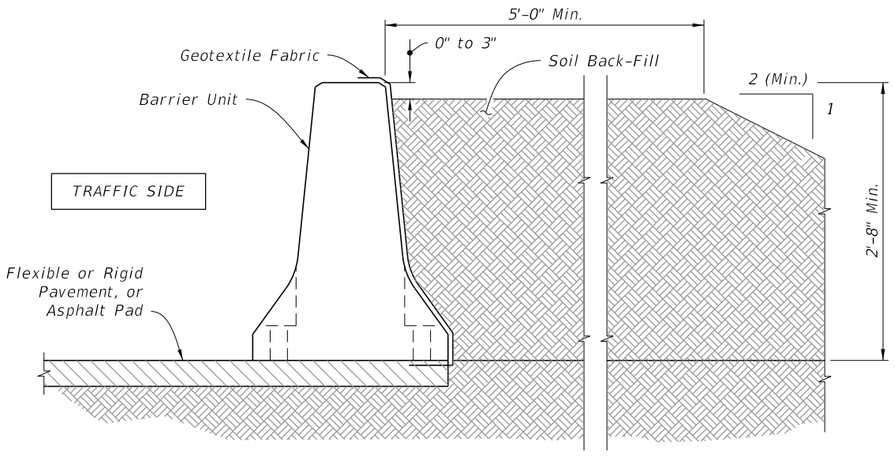


TYPICAL SECTION
ADJACENT TO RETAINING WALL WITH SOIL BACK-FILL

NOTES:

SOIL BACK-FILL MATERIAL: Provide Back-Fill Material consisting of any available clean soil. Compact Back-Fill Material until the soil mass is firm and unyielding. Provide erosion control as specified in the Plans. If none is specified in the Plans, provide erosion control as required to maintain the integrity of the Back-Fill embankment.

GEOTEXTILE: Provide and install Type D-5 geotextile in accordance with Specification 514 to contain Back-Fill Material behind the Barrier Units. Geotextile may be continuous over the length and height of the installation or may be individual pieces as required to cover the Lift/DrainSlots and open vertical joints between Barrier Units.



TYPICAL SECTION
WITH SOIL BACK-FILL

SOIL BACK-FILLED ROADSIDE INSTALLATIONS

DRAFT

6:58:33 AM
7/5/2023

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/23			FY 2024-25 STANDARD PLANS	TYPE K TEMPORARY CONCRETE BARRIER SYSTEM	102-110	4 of 17