

ORIGINATION FORM

Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date:

Office:

Originator:

Specification Section:

Telephone:

Article/Subarticle:

email:

Associated Section(s) Revisions:

Will the proposed revision require changes to:

Publication	Yes	No	Office Staff Contacted
Standard Plans Index			
Traffic Engineering Manual			
FDOT Design Manual			
Construction Project Administration Manual			
Basis of Estimate/Pay Items			
Structures Design Guidelines			
Approved Product List			
Materials Manual			

Will this revision necessitate any of the following:

Design Bulletin

Construction Bulletin

Estimates Bulletin

Materials Bulletin

Are all references to external publications current?

Yes

No

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs?

Yes

No

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.

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Florida Department of Transportation

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KEVIN J. THIBAUT, P.E.
SECRETARY

MEMORANDUM

DATE: December 2, 2021
TO: Specification Review Distribution List
FROM: Daniel Strickland, P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **4400200 Underdrains.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Melissa Hollis from the Product Evaluation Office to provide consistent formatting of PATH/APL requirements.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at <http://fdotewp1.dot.state.fl.us/programmanagement/development/industryreview.aspx> . Comments received after **December 30, 2021**, may not be considered. Your input is encouraged.

DS/ra

Attachment

UNDERDRAINS
(REV 11-10-21)

ARTICLE 440-2 is deleted and the following substituted:

440-2 Materials.

Meet the following requirements:

Concrete Pipe	Section 449
Filter Aggregate	Section 902
Corrugated Steel Pipe	Section 943
Corrugated Aluminum Pipe	Section 945
Polyvinyl-Chloride Pipe.....	Section 948
Corrugated High Density Polyethylene Pipe	Section 948
Corrugated Polypropylene Pipe	Section 948
Steel Reinforced Polyethylene Ribbed Pipe	Section 948
Filter Fabric Sock.....	Section 948
Geotextile Fabrics*.....	Section 985

*Use products listed on the Department's Approved Product List (APL).

Use bitumized fiber pipe only when called for in the Contract Documents.

ARTICLE 440-4 is expanded by the following new Subarticle:

440-4 Laying Pipe.

440-4.1 General: Bed the pipe firmly on the bottom of the trench, with the perforations down and joints securely made.

440-4.2 Corrugated Steel Pipe - Protection of Coating: Handle corrugated steel pipe in such a way that the zinc or aluminum coating will not be bruised or broken. Do not use pipe showing bruises or breakage of the zinc or aluminum coating.

440-4.3 Protection of Drain Inlet: Protect the influent end of the pipe in a manner which will prevent any soil from entering the drain.

440-4.4 Lateral Connections: Make lateral connections with prefabricated wyes, tees, elbows, etc., as required.

440-4.5 Underdrain Inspection Box: Construct underdrain inspection boxes in accordance with Standard Plans, Index 440-002 and the Plans.

440-4.6 Underdrain Cleanout Structures: Construct underdrain cleanout structures of in-line wye fittings and stub for access where called for in the Plans.

440-4.7 Underdrain Outlet Pipe: Use non-perforated pipe. Construct underdrain bends in accordance with Standard Plans, Index 440-002.

ARTICLE 440-7 is deleted and the following substituted:

440-7 Method of Measurement.

The quantities to be paid for will be the length, in feet, of underdrain, which includes underdrain cleanout structures, measured in place, along the centerline and gradient of the

4400200

All Jobs

underdrain, completed and accepted. The quantities to be paid for will be the length, in feet, of outlet pipe measured in place, along the centerline and gradient of the outlet pipe, completed and accepted. The quantity of underdrain inspection boxes to be paid for will be the number completed and accepted.

No separate measurement or payment will be made under this Section for underdrains associated with box culverts or the Standard Plans, Index 400-289.