



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JIM BOXOLD
SECRETARY

August 24, 2015

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section **440**
Proposed Specification: **4400200 Underdrains.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Chase Knight of the State Materials Office (SMO) to include recently approved pipe materials and add language for protection of aluminum coating.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to daniel.scheer@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on file

Daniel Scheer, P.E.
State Specifications Engineer

DS/dt

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

UNDERDRAINS.
(REV 6-24-15)

ARTICLE 440-2 is deleted and the following substituted:

440-2 Materials.

Meet the following requirements:

Concrete Pipe	Section 449
Filter Aggregate	<u>Section 902-4</u>
Corrugated Steel Pipe	Section 943
Corrugated Aluminum Pipe	<u>Section 945-1</u>
Polyvinyl-Chloride <u>Pipe</u>	<u>Section 948-1</u>
Corrugated <u>High Density</u> Polyethylene Pipe ..	<u>Section 948-2</u>
<u>Corrugated Polypropylene Pipe</u>	<u>Section 948</u>
<u>Steel Reinforced Polyethylene Ribbed Pipe</u>	<u>Section 948</u>
Filter Fabric Sock.....	<u>Section 948-3</u>
Geotextile Fabrics	Section 985

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

ARTICLE 440-4 is deleted and the following substituted:

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 the Design Standards, Index No. 245 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.

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Filter Aggregate	Section 902
Corrugated Steel Pipe	Section 943
Corrugated Aluminum Pipe	Section 945
Polyvinyl-Chloride Pipe.....	Section 948
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