



*Florida Department of Transportation*

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GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

October 3, 2023

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

Re: State Specifications Office  
Section: 430  
Proposed Specification: **4300900 Pipe Culverts.**

Dear Mr. Nguyen:

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

The changes are proposed by Alexander Lewis to remove sampling and testing for Polypropylene.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on file

Daniel Strickland, P.E.  
State Specifications Engineer

DS/jb

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**PIPE CULVERTS**  
**(REV 7-19-23)**

ARTICLE 430-9 is deleted and the following is substituted:

**430-9 Specific Requirements for Steel Reinforced Polyethylene Ribbed Pipe, Corrugated High-Density Polyethylene Pipe, ~~Polypropylene Pipe,~~ and Polyvinyl Chloride (PVC) Pipe.**

**430-9.1 Sampling Requirements:** Submit a sample of each pipe material and diameter used on each project to the Engineer a minimum of two weeks prior to the installation, provided that the pipe meets all of the following:

- ~~1.~~ ~~Pipe material is PVC, HDPE, steel reinforced polyethylene, or polypropylene~~
12. Pipe is corrugated or ribbed
23. Pipe diameter is 12" or larger
34. Project quantity for a pipe diameter is more than 100 linear feet, unless intended for use as cross drain
45. Pipe is not perforated, unless the material is PVC ~~or polypropylene~~
56. Pipe is intended for applications requiring 100 year design service life as defined in the Florida Department of Transportation Drainage Manual.

The length of each sample pipe section must comprise at least seven regular corrugations (not including the first three corrugations of the pipe on the bell or spigot ends).

**430-9.2 Field Joints:** Use gasketed joints to seal side drain, and storm and cross drain. Use gaskets meeting the requirements of Section 449. Ensure that the pipe manufacturer provides a joint design approved by the Engineer before use.

**430-9.3 Installation Requirements Including Trenching, Foundation and Backfilling Operations:** Check structure shape regularly during backfilling to verify acceptability of the construction method used.

Replace pipe deflected 5% or more of the certified actual mean diameter of the pipe at final inspection at no cost to the Department.

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1. Pipe is corrugated or ribbed
2. Pipe diameter is 12” or larger
3. Project quantity for a pipe diameter is more than 100 linear feet, unless intended for use as cross drain
4. Pipe is not perforated, unless the material is PVC
5. Pipe is intended for applications requiring 100 year design service life as defined in the Florida Department of Transportation Drainage Manual.

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