



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

August 27, 2024

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

Re: State Specifications Office
Section: 430
Proposed Specification: **4300100 Pipe Culverts**

Dear Ms. Kendall:

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

The changes are proposed by Oliver Chung to update formatting consistent with BABA compliance and correct reference to QC Managers Stamp.

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.

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 8-23-24)

ARTICLE 430-1 is deleted and the following substituted:

430-1 Description.

Furnish and install drainage pipe and end sections at the locations called for in the Plans. Furnish and construct joints and connections to existing pipes, catch basins, inlets, manholes, walls, etc., as may be required to complete the work.

Obtain pipe culverts and drainage products from a plant that is currently on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

At the beginning of each project, submit a notarized certification statement to the Engineer in accordance with Section 6. The ~~Quality Control Manager's stamp~~ **Production Facility Quality Control Stamp** or label on each product indicates certification that the product was fabricated in conformance with the Producer QC Plan, the Contract, and this Section. Ensure that each shipment of drainage products to the project site is accompanied with a QC signed or stamped delivery ticket providing the description and the list of the products.

When the Producer Quality Control Program is suspended by the Department, accept responsibility of either obtaining products from a plant with an approved Quality Control Program, or await re-approval of the plant. The Engineer will not allow changes in Contract Time or completion dates as a result of the plant's loss of qualification. Accept responsibility for all delay costs or other costs associated with the loss of the plant's qualification.

Construct structural plate pipe culverts or underdrains in accordance with Sections 435 and 440.

For pipe culverts installed by jack & bore, install in accordance with Section 556.

ARTICLE 430-2 is deleted and the following substituted:

430-2 Materials.

430-2.1 Pipe: Meet the following requirements:

<u>Flowable Fill</u>	<u>Section 121</u>
<u>Portland Cement Concrete</u>	<u>Sections 346 and 347</u>
<u>End Treatments</u>	<u>Sections 425 and 449</u>
<u>Joint Materials</u>	<u>430-7 through 430-9</u>
Concrete Pipe	Section 449
Steel Pipe	556-2.1
Round Rubber Gaskets, <u>Preformed Plastic Gaskets</u>	Section 942
Resilient Connectors*	Section 942
Corrugated Steel Pipe and Pipe Arch.....	Section 943
Corrugated Aluminum Pipe and Pipe Arch	Section 945
Corrugated Polyethylene Pipe.....	Section 948
Steel Reinforced Polyethylene Ribbed Pipe	Section 948
Steel Reinforced Polyethylene Corrugated Pipe.....	Section 948
Corrugated Polypropylene Pipe	Section 948
Corrugated Polyvinyl Chloride (PVC) Pipe	Section 948
Fiberglass Reinforced Polymer Pipe.....	Section 948
Metal Grates.....	Section 962
Pipe Sleeve Adapters.....	Section 948
<u>Geosynthetic Materials, D-3 Filter Fabric*</u>	<u>Section 985</u>

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

~~430-2.2 Joint Materials: Use joint materials specified in 430-7 through 430-9 according to type of pipe and conditions of usage.~~

430-2.3.2 Mortar: Use mortar composed of one part Portland cement and two parts of clean, sharp sand, to which mixture the Contractor may add hydrated lime in an amount not to exceed 15% of the cement content. Use mortar within 30 minutes after its preparation.

430-2.3.4 End Treatments: Meet the requirements of Section 425-3.1. For precast end treatments, meet the requirements in 449-1. Use the concrete Class designated in the Plans and Standard Plans, and as specified in Section 346 and 347.

~~430-2.5 Grates: Use metal gratings that meet the requirements of 962-8.~~

~~430-2.6 Filter Fabric: Use a Type D-3 filter fabric meeting the requirements specified in Section 985, and listed on the Department's Approved Product List (APL).~~

PIPE CULVERTS
(REV 8-23-24)

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430-1 Description.

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Obtain pipe culverts and drainage products from a plant that is currently on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

At the beginning of each project, submit a notarized certification statement to the Engineer in accordance with Section 6. The Production Facility Quality Control Stamp or label on each product indicates certification that the product was fabricated in conformance with the Producer QC Plan, the Contract, and this Section. Ensure that each shipment of drainage products to the project site is accompanied with a QC signed or stamped delivery ticket providing the description and the list of the products.

When the Producer Quality Control Program is suspended by the Department, accept responsibility of either obtaining products from a plant with an approved Quality Control Program, or await re-approval of the plant. The Engineer will not allow changes in Contract Time or completion dates as a result of the plant's loss of qualification. Accept responsibility for all delay costs or other costs associated with the loss of the plant's qualification.

Construct structural plate pipe culverts or underdrains in accordance with Sections 435 and 440.

For pipe culverts installed by jack & bore, install in accordance with Section 556.

ARTICLE 430-2 is deleted and the following substituted:

430-2 Materials.

430-2.1 Pipe: Meet the following requirements:

Flowable Fill	Section 121
Portland Cement Concrete	Sections 346 and 347
End Treatments	Sections 425 and 449
Joint Materials.....	430-7 through 430-9
Concrete Pipe	Section 449
Steel Pipe	556-2.1
Round Rubber Gaskets, Preformed Plastic Gaskets	Section 942
Resilient Connectors*	Section 942
Corrugated Steel Pipe and Pipe Arch.....	Section 943
Corrugated Aluminum Pipe and Pipe Arch	Section 945
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Fiberglass Reinforced Polymer Pipe.....	Section 948
Metal Grates.....	Section 962
Pipe Sleeve Adapters.....	Section 948
Geosynthetic Materials, D-3 Filter Fabric*	Section 985

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

430-2.2 Mortar: Use mortar composed of one part Portland cement and two parts of clean, sharp sand, to which mixture the Contractor may add hydrated lime in an amount not to exceed 15% of the cement content. Use mortar within 30 minutes after its preparation.

430-2.3 End Treatments: Meet the requirements of Section 425-3.1. For precast end treatments, meet the requirements in 449-1. Use the concrete Class designated in the Plans and Standard Plans, and as specified in Section 346 and 347.