

Origination Form

Specifications

Name:	Oliver Chung	Specification Number:	430-1, 430-2, 430-2.2
Email:	oliver.chung@dot.state.fl.us	Associated Specs:	None
Date:	2024-06-17T20:34:23Z	Verified:	VERIFIED

Summary:

1. Formatting changes based on APL/BABA program. 2. Administrative update to Standard Specifications for accuracy. Current language references a "QC Managers stamp", which is incorrect. These should read "Production Facility Quality Control Stamp".

Justification:

The current specification refers to QC Managers stamp which is incorrectly worded.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

No, these are formatting and administration changes.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

None

What impact does the change have on production or construction schedules?

None

How does this change improve efficiency or quality?

The stamp affixed to precast elements is the Production Facility Quality Control Stamp, not the QC Manager quality control stamp. This stamp is the indicator that the structure has met all contract requirements before leaving the precast yard.

Which FDOT offices does the change impact?

District Materials and State Materials Offices

What is the impact to districts with this change?

None

Does the change shift risk and to who?

No

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtm>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

PIPE CULVERTS

(REV 6-17-24)

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>Annular Band</u>	
<u>Flowable Fill*</u>	<u>Section 121</u>
<u>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>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 <u>resilient connector</u> products <u>and producers</u> 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.

~~430-2.4 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).~~