

ORIGINATION FORM
Proposed Revisions to the Specifications

Date:

Specification Section:

Originator:

Articles/Subarticles:

Telephone:

email:

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?

Will these changes result in an increase or decrease in project costs? Yes No
If yes, what is the estimated change in costs?

With who have you discussed these changes?

What other offices will be impacted by these changes?

Will this revision necessitate changes to the following: BOE PPM SDG CPAM

Design Standards List Affected Index Nos.

Other manual?

Are all references to external publications current? Yes No
If not, what references need to be updated (please include changes in the redline)?

Will this revision necessitate any of the following:

Design Bulletin

Construction Bulletin

Estimates Bulletin

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

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: November 18, 2014

TO: Specification Review Distribution List

FROM: Daniel Scheer, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **9480107 Optional Drainage Products and Liner Repair Systems.**

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

This change was proposed by Timothy Ruelke of the State Materials Office (SMO) to revise the language for consistency with changes proposed for Section 105. The Department is revising the Contractor Quality Control (QC) Plan requirements and deleting the narrative portion of the Contractor QC Plan. This change is being made in conjunction with the implementation of the Materials Acceptance and Certification system (MAC), which is replacing the current Laboratory Information Management (LIMS) application.

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://www2.dot.state.fl.us/SpecificationsEstimates/Development/IndustryReview.aspx> . Comments received after **December 16, 2014**, may not be considered. Your input is encouraged.

DS/dt
Attachment

OPTIONAL DRAINAGE PRODUCTS AND LINER REPAIR SYSTEMS.
(REV 10-29-14)

SUBARTICLE 948-1.7 is deleted and the following substituted:

948-1.7 PVC Pipe (12 Inches to 48 Inches): PVC pipe for side drain, cross drain, storm drain and other specified applications shall conform to AASHTO M278 for smooth wall PVC pipe or ASTM F949 for PVC ribbed pipe. Resin shall contain a minimum of 1.5% by weight of titanium dioxide for UV protection. Mitered end sections are not to be constructed of PVC.

PVC pipe shall be installed within two years from the date of manufacture.

~~All pipe produced and shipped to the job site shall meet the requirements of 105-3.2.~~ Obtain pipe from a production facility that is listed on the Department's Production Facility Listing. Producers seeking inclusion shall meet the requirements of Section 105.

SUBARTICLE 948-2.3.1 is deleted and the following substituted:

948-2.3.1 General: Class I (50 year) corrugated polyethylene pipe used for side drain, storm and cross drain or french drain shall meet the requirements of AASHTO M294 and plant certification from the National Transportation Product Evaluation Program (NTPEP). Corrugations shall be annular. Pipe resin shall conform to ASTM D3350 with a minimum cell classification 435400C and between 2% to 4% carbon black. Mitered end sections are not to be constructed of polyethylene.

~~All pipe produced and shipped to the job site shall meet the requirements of 105-3.2.~~ Obtain pipe from a production facility that is listed on the Department's Production Facility Listing. Producers seeking inclusion shall meet the requirements of Section 105.

SUBARTICLE 948-2.4.1 is deleted and the following substituted:

948-2.4.1 General: Steel reinforced polyethylene ribbed pipe used for side drain, storm and cross drain or french drain shall meet the requirements of AASHTO MP20-13 or ASTM F-2562 and the testing requirements for stress crack and oxidation resistance in Table 1. Pipe resin shall conform to ASTM D3350 with a minimum cell classification 435400C and between 2% to 4% carbon black. Mitered end sections are not to be constructed of steel reinforced polyethylene ribbed pipe.

~~All pipe produced and shipped to the job site shall meet the requirements of 105-3.2.~~ Obtain pipe from a production facility that is listed on the Department's Production Facility Listing. Producers seeking inclusion shall meet the requirements of Section 105.

SUBARTICLE 948-7.1 is deleted and the following substituted:

948-7.1 Class I PP: Class I (50 year) PP pipe used for side drain, cross drain, storm drain, and french drain shall meet the requirements of AASHTO M330 and plant certification

from the NTPEP. Corrugations shall be annular. Polypropylene compound shall conform to the requirements of ASTM F2881. Mitered end sections are not to be constructed of polypropylene.

~~All pipe produced and shipped to the job site shall meet the requirements of 105-3.2.~~

Obtain pipe from a production facility that is listed on the Department's Production Facility Listing. Producers seeking inclusion shall meet the requirements of Section 105.