



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

December 31, 2014

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: State Specifications and Estimates Office
Section **948**
Proposed Specification: **9480107 Optional Drainage Products and Liner Repair Systems.**

Dear Mr. Nguyen:

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

The changes are 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 review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965DS or 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

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.

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.

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.

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.

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.

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.