Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.
SECRETARY

May 25, 2006

Mr. Greg Williams
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 948
Proposed Specification: 9480107 – Polyvinyl-Chloride Pipe, or Acrylonitrite-Butadiene-Styrene Plastics Pipe

Dear Mr. Williams:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Polyvinyl-Chloride Pipe, or Acrylonitrite-Butadiene-Styrene Plastics Pipe.

This change was proposed by Linda Seigle of the State Drainage Office to resolve conflict between Department documents and for clarification.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

Signature on File

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/ft
Attachment
cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

POLYVINYL-CHLORIDE PIPE, OR ACRYLONITRITE-BUTADIENE-STYRENE PLASTICS PIPE

(REV 1-25-06)

SUBARTICLE 948-1.7 (pages 858 and 859) is deleted and the following substituted:

948-1.7 Polyvinyl Chloride (PVC) Pipe (12 to 48 Inches ~~[300 to 1,200 mm]~~): Polyvinyl Chloride (PVC) Pipe for side drain, cross drain, storm drain and other specified applications shall conform to AASHTO M 278 for smooth wall PVC pipe, or AASHTO M 304 or ASTM F 949 for PVC ribbed pipe. Mitered end sections are not to be constructed of polyvinyl chloride. Use only concrete or metal mitered end sections as indicated in the Design Standards.

~~When rubber gaskets are to be installed in the pipe joint, the gasket shall be the sole element relied on to maintain a tight joint. Test pipe joints at the plant hydrostatically using test methods in ASTM D 3212 [ASTM D 3212M]. Soil tight joints must be watertight to 2 psi [13.8 kPa]. Watertight joints must be watertight to 5 psi [34.5 kPa] unless a higher pressure rating is required in the plans.~~

Provide certification of the actual mean diameter of pipe shipped to the project. Include in the certification the minimum and maximum diameters used to certify the actual mean diameter. The certification shall be attested to by a person having legal authority to bind the manufacturing company.

Ensure that the pipe joints have been tested at the plant hydrostatically at the specified pressure using test methods in ASTM D 3212 and witnessed by the State Materials Office.

S*UBARTICLE 948-2.3.1 (of the Supplemental Specifications) is deleted and the following substituted:*

948-2.3.1 General: Class I corrugated Polyethylene Pipe used for side drain, cross drain, storm drain or french drain shall meet the requirements of AASHTO M 294. Class II Corrugated Pipe shall meet the requirements of AASHTO M 294 and 948-2.3.1. Corrugations may only be annular; pipe conforming to the minimum cell classification 335400E may be used if the combination of color and UV stabilizer provides the same or better UV protection as 335400C. Mitered end sections are not to be constructed of polyethylene. Use only concrete or metal mitered end sections as indicated in the Design Standards.

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Obtain pipe products from producers listed on the Department's List of Qualified Flexible Pipe Manufacturing Plants, which may be viewed at the following:
http://www.dot.state.fl.us/statematerialsoffice/quality/programs/qualitycontrol/materialslistings/sources/drainagesource.pdf .

Ensure that each shipment of products to the job site includes a list of products and each product has an affixed legible stamp mark of the plant, indicating its compliance with the requirements of the plant's Department approved Quality Control Plan and Contract Documents.

Accept responsibility of either obtaining products from another approved plant, or await re-approval of the plant, when the plant is removed from the Department's list of Flexible Pipe Manufacturing Plants.

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 plant's qualification.

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