



Florida Department of Transportation

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May 23, 2006

This Memo Has Expired

DCE MEMORANDUM NO.: 12-06

TO: DISTRICT CONSTRUCTION ENGINEERS

FROM: Brian Blanchard, Director, Office of Construction

COPIES: William Nickas, Duane F Brautigam, District Design Engineers, District Structures Design Engineers, Don Davis (FHWA), Bob Burleson (FTBA), Fred McGee (PCSA)

SUBJECT: CLARIFICATION THAT SHOP DRAWINGS ARE REQUIRED FOR RECTANGULAR MANHOLES AND INLETS WITH PIPE OPENINGS IN THE CORNERS

This memo brings to attention the provision in sub-article 5-1.4.2 that requires shop drawing submittals for all drainage structures governed by Section 425, which are not fully detailed in the plans (FDOT Design Standards).

Specifically, shop drawings are required for rectangular manholes and inlets with pipe openings in the corners to show the number, size and location of the horizontal and vertical wall reinforcement used to supplement the typical wall reinforcement, which has been eliminated by the corner pipe openings. For contracts with FDOT Design Standards published prior to 2006, the detail entitled "Rectangular Segment with Pipe Opening at Corner," shown on Index No. 201 (Sheet No. 3 of 4) of the 2006 FDOT Design Standards can be used by fabricators as a general guide for providing horizontal wall reinforcement in the walls above corner openings. Regardless of the date of the FDOT Design Standards shown in the contract drawings, shop drawings are required by specification for all rectangular manholes and inlets with pipe openings in the corners as these structures are typically not fully detailed in the plans.

It is recommended that the location and/or orientation of manholes or inlets be adjusted to avoid corner openings for pipes, if possible.

Any questions pertaining to this matter should be directed to Jeff Pouliotte at (850) 414-4146 / SC 994-4146.

BB/pw