



**NOTES:**

1. PRECAST CONCRETE TYPE II 4000 P.S.I.
2. "RAMNEK" OR EQUAL AT ALL RISER JOINTS (1/2" THICK WITH THE WIDTH AT LEAST 1/2 THE WALL THICKNESS) WITH GROUT ON INSIDE AND OUTSIDE.
3. ALL OPENINGS SHALL BE SEALED WITH A WATERPROOF NON-SHRINKING GROUT.
4. LIFT HOLES ARE NOT PERMITTED.
5. ALL PIPE OPENINGS SHALL BE PRECAST.
6. MANHOLE FABRICATION SHALL BE IN ACCORDANCE WITH ASTM C-478, LATEST STANDARD.
7. ANY VISIBLE REINFORCING WIRE, STEEL OR HONEYCOMBS SHALL BE CAUSE FOR REJECTION.
8. REFER TO F.D.O.T. STANDARD INDEXES 200 & 201 FOR OTHER APPROVED MANHOLES TO BE PERMITTED.



**ST JOHNS COUNTY  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION**

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Phone (904) 209-0110 • Fax. (904) 209-0140

REVISION

10/09

**DESIGN DETAIL**

**STANDARD MANHOLE  
(WITH ECCENTRIC CONE)**

EFFECTIVE DATE:

DETAIL NO. 300

APPROVED:

H.P. TOMPKINS, JR., P.E.  
COUNTY ENGINEER

FILE NAME: D300.DWG