



NOTES:

1. BRICK MASONRY CONSTRUCTION TO BE STUCCOED WITH 3/4" CEMENT PLASTER INSIDE AND OUTSIDE, TYPE II CEMENT SHALL BE USED.
2. LIFT HOLES THROUGH PRECAST STRUCTURE ARE NOT PERMITTED.
3. SEE TECHNICAL SPECIFICATIONS FOR BEDDING REQUIREMENTS.
4. "RAM-NEK" OR APPROVED EQUAL AT ALL RISER JOINTS (1/2" THICK WITH WIDTH AT LEAST 1/2 THE WALL THICKNESS) WITH GROUT ON INSIDE AND OUTSIDE.
5. ALL OPENINGS SHALL BE SEALED WITH A WATERPROOF, NON-SHRINK GROUT.
6. IF TWO CAGES OF WIRE MESH ARE USED, ONE SHALL BE POSITIONED 3" FROM THE INSIDE SURFACE AND ONE 2" FROM THE OUTSIDE SURFACE. IF A SINGLE CAGE OR REBAR IS USED, IT SHALL BE CENTERED WITHIN WALL THICKNESS. NO EXPOSED STEEL SHALL BE PERMITTED.
7. WALL REINFORCEMENTS A.S.T.M. DESIGNATION A185-64 (LATEST REVISION)(MIN.)
8. MANHOLES SHALL CONFORM TO A.S.T.M. C478 (MIN.)
9. A MINIMUM OF SEVEN DAYS CURE TIME IS REQUIRED PRIOR TO DELIVERY.
10. ALL PIPE HOLES SHALL BE PRECAST.
11. ANY VISIBLE REINFORCING WIRE, STEEL OR HONEYCOMBS SHALL BE CAUSE FOR REJECTION.



**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 PRECAST MANHOLE
TYPE I (SHALLOW)**

EFFECTIVE DATE:

DETAIL NO. 301

APPROVED:

[Signature]
H.P. TOMPAINS, JR., P.E.
COUNTY ENGINEER