SEE "MANHOLE FRAME AND COVER-30" OPENING DETAIL

FINISHED GRADE

2-5 COURSES
4" MIN., 16" MAX. BRICK
WITH MORTAR FINISH.

PREFABRICATED
CONCRETE SECTION
(KEYED TO LOWER WALL)

8" (TYP.)

8" CONCRETE SLAB
(MONOLITHIC POUR WITH
FIRST WALL SECTION).

HOLE DIAMETER
APPROPRIATE FOR
SIZE OF PIPE
(SEE NOTE 3)

4'-9" MIN.

12'-18" SUMP

UNDISTURBED SOIL AND 12" (MIN)
3/4" WASHED ROCK SUPPORT BED.

#4 REBAR 12" ON CENTER EACH WAY

#4 @ 12" E.W. OR
EQUIVALENT WIRE MESH
(A.S.T.M. SPEC 20)

NOTES:
1. PRECAST CONCRETE TYPE II 4000 P.S.I.
2. "RIMEX" 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-471, 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
3600 Industrial Center Road
ST AUGUSTINE, FLORIDA 32084
Phone (904) 824-3110 • Fax (904) 824-3140

REVISION
10/09

DESIGN DETAIL

STANDARD MANHOLE
(WITH ECCENTRIC CONE)

FILE NAME: D300.DWG

EFFECTIVE DATE:

DETAIL NO. 300

APPROVED:
H.P. TOMPKINS, P.E.
COUNTY ENGINEER

NEW REV.