



NOTES:

1. PRECAST CONCRETE SHALL BE TYPE 2 CEMENT 4000 PSI AT 28 DAYS.
2. LIFT HOLES NOT PERMITTED THROUGH PRECAST SECTIONS.
3. ALL OPENINGS SHALL BE SEALED WITH WATERPROOF, NON-SHRINKING GROUT.
4. FLOW CHANNEL TYPICAL INSIDE MANHOLES. SEE DETAIL THIS SHEET.
5. FLEXIBLE CONNECTIONS SHALL BE USED TO CONNECT PIPES (INLETS AND OUTLETS) TO MANHOLES.
6. PLACE TWO HALF MOON SHAPED PLYWOOD (3/8" THK. MIN.) IN BOTTOM OF MANHOLE AFTER PIPES HAVE BEEN CONNECTED TO KEEP DEBRIS FROM ENTERING SEWER DURING CONSTRUCTION.
7. LADDER RUNGS SHALL NOT BE INSTALLED IN MANHOLES.
8. DOGHOUSE OPENINGS SHALL BE SEALED WITH WATERTIGHT NON-SHRINK GROUT.
9. REFER TO DETAIL S-1A FOR TYPICAL MANHOLE DETAILS.
10. APPROVED EXTERIOR MANHOLE JOINT SEAL REQUIRED BETWEEN ALL PRECAST SECTIONS. TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
11. REFER TO DETAIL S-2 FOR DROP CONNECTION DETAIL
12. AFTER THE MANHOLE IS PLACED AND THE REQUIRED INSPECTION IS COMPLETED, THE EXISTING MAIN SHALL BE CUT AWAY AND THE FLOW CHANNEL GROUTED.

**CITY OF PALM BAY, UTILITIES DEPARTMENT
POLICIES, PROCEDURES AND STANDARDS
INSTALLATION DETAIL**

**DOGHOUSE PRECAST
MANHOLE DETAIL**

DWN.BY: M.K.L.	DATE: 1-1-08
REV. E.K.R.	DWG. NO.
9-19-11	S-1B