



RISER SECTIONS SHALL BE PROVIDED, JOINED WITH BELL AND SPIGOT/SHIP-LAP DESIGN SEAMED WITH BUTYL MASTIC AND/OR RUBBER GASKETS (ASTM C990). EXTERIOR JOIN WRAP SHALL BE INSTALLED.

FACTORY CAST MONOLITHIC FLOW CHANNEL OR CONSTRUCT INVERT CHANNELS IN ACCORDANCE WITH CARY'S STANDARD DETAILS ACCEPT WITH POLYMER CONCRETE MATERIAL TO PROVIDE SMOOTH FLOW TRANSITION WITH MINIMAL DISRUPTION OF FLOW AT PIPE-MANHOLE CONNECTIONS

PIPE CONNECTIONS AS REQ'D

- NOTES:**
1. ALL MANHOLE CONNECTIONS SHALL BE PREFABRICATED OR CORED WITH A CONCRETE CORING MACHINE.
 2. ALL MANHOLES SHALL BE VACUUM TESTED.
 3. MANHOLE RING AND GRADE RINGS SHALL BE BOLTED DOWN IF INSTALLED OUTSIDE OF ASPHALT.
 4. PROVIDE A MINIMUM 0.1 FOOT IN-OUT DROP FOR STRAIGHT RUNS AND 0.2 FOOT IN-OUT DROP FOR ANGLE RUNS.
 5. PROVIDE ONLY FIRST AND LAST STEP IN MANHOLE.
 6. MANHOLE TOPS SHALL SUPPORT AASHTO HS-20 LOADING.
 7. POLYMER CONCRETE MANHOLE SHALL BE DOMESTICALLY MANUFACTURED IN THE UNITED STATES.
 8. EXTERIOR JOINT WRAP SHALL BE PROVIDED.



EFFECTIVE: 07/01/21

STANDARD PRECAST POLYMER CONCRETE MANHOLE

DETAIL No.
7000.04