



EXTENDED SLAB AND CEMENTITIOUS CONCRETE MATERIAL AS NEEDED BASED ON ENGINEER'S BOUYANCY CALCULATIONS

MINIMIZE NUMBER OF SECTIONS TO REDUCE NUMBER OF JOINTS

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

- 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.
 9. CONTRACTOR TO VERIFY MANHOLE TESTING PROCEDURES REQUIRED PRIOR TO ORDERING MANHOLE AND FORMING FLOW CHANNEL.



STANDARD PRECAST POLYMER CONCRETE MANHOLE

DETAIL No.
7000.04

EFFECTIVE: 07/01/24