NOTES:

1. PRECAST MANHOLES TO BE MANUFACTURED TO ASTM SPECIFICATION C478 AND MEET H-20 LOADING REQUIREMENTS.
2. ALL JOINTS SHALL BE MADE WITH PREFORMED PLASTIC JOINT SEALING COMPOUND. FOLLOWING INSTALLATION, GROUT ALL INTERIOR AND EXTERIOR JOINTS.
3. THE STORM DRAIN SYSTEM SHALL HAVE WATERTIGHT JOINTS AT ALL CONNECTIONS.
4. CENTRAL PRECAST MODEL 20-48EC (20-60EC) MANHOLE WITH 20-48MBC (20-60MBC) BASE OR APPROVED EQUAL.
5. SUMP IS NOT REQUIRED ON MANHOLES CONNECTING PIPES 24" DIAMETER OR LARGER IF NO DI LATERALS ARE PRESENT.
7. MINIMUM 10" CLEARANCE BETWEEN ALL PIPES AND BETWEEN PIPES AND JOINTS.
8. 3' TAPER SHALL BE COMBINED WITH 1' VERTICAL TO FORM 4' TAPER SECTION FOR 48" I.D. MANHOLES.
9. NO PIPE SHALL BE CONNECTED IN THE TAPER/CONE SECTION OR JOINTS OF MANHOLE, IF NECESSARY USE SHALLOW MANHOLE DETAIL.
10. THE MANHOLE ACCESS SHALL BE AT THE UPSTREAM SIDE OF MAINLINE.