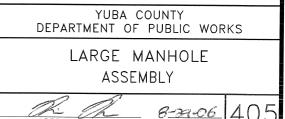


NOTES:

- 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 WITH 1:3 MORTAR MIX.
- 3. CENTRAL PRECAST MODELS 20-72, 84, 96 ERS OR APPROVED EQUAL.
- 4. SUMP IS NOT REQUIRED ON MANHOLES CONNECTING PIPES 24" DIAMETER OR LARGER IF NO DI LATERALS ARE PRESENT.
- 5. PRECAST MANHOLES SHALL BE SIZED TO PROVIDE THE FOLLOWING: THE CLEAR SPACE ON THE INSIDE OF THE MANHOLE BARREL BETWEEN CORED PIPE CONNECTION HOLES SHALL BE A MINIMUM OF 10". IF THE CONNECTION HOLE IS CAST MONOLITHICALLY WITH THE MANHOLE BARREL, THE MEASUREMENT SHALL BE TAKEN FROM THE FINISHED CONCRETE CONNECTION SURFACE.
- 6. MINIMUM 10" CLEARANCE BETWEEN ALL PIPES AND BETWEEN PIPES AND JOINTS.
- 7. THE STORM DRAIN SYSTEM SHALL HAVE WATERTIGHT JOINTS AT ALL CONNECTIONS.
- 8. NO PIPE SHALL BE CONNECTED IN THE JOINTS OF MANHOLE.
- THE MANHOLE ACCESS SHALL BE AT THE UPSTREAM SIDE OF MAINLINE.



APPROVED BY