NOTES:
1. PRECAST CONCRETE RINGS SHALL BE PROVIDED FOR A COMBINED ADJUSTMENT HEIGHT OF AT LEAST 4". THE TOTAL HEIGHT OF THE ADJUSTMENT RINGS SHALL NOT EXCEED 12".
2. DROPS AND INTERSECTING PIPES SHALL BE INSTALLED ONLY WHEN CALLED FOR IN PLAN AND PER PROJECT DRAWINGS.
3. SEAL MANHOLE FRAME IN SEALANT PER CONSTRUCTION SPECIFICATION.
4. MANUFACTURED WATERPROOF CONNECTORS, CORE DRILL AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
5. MAKE CUTOUT FOR PIPE PENETRATION TO FOLLOW CURVATURE OF THE PIPE AND WITH A MINIMUM OF 1" CLEARANCE. SEAL CUT EDGES WITH RESIN.
6. PIPE PENETRATION CUTOUT MAY EXTEND TO THE BASE SLAB FOR A CONNECTING HOLE AS SHOWN IN SECTION B) OR BE A CONNECTING HOLE AS SHOWN IN DETAIL 2.
7. PLACE A CONTINUOUS BEAD OF WATER SHEDDING SEALANT ALONG THE BOTTOM OF THE MANHOLE BARRIER AND AROUND PIPES PANDERING PER DETAIL 1.
8. THE FIBERGLASS MANHOLE BARRIER SHALL BE INSTALLED IN PLACE AND ATTACHED TO THE SIDE OF THE EXCAVATION TO PROTECT ANY MOVEMENT OF THE MANHOLE USING CONCRETE PLACEMENT AND MAKE CONCRETE AT SETTING THE MANHOLE BARRIER SHALL NOT BE SUPPORTED BY THE REINFORCING STEEL.
9. FORM FLOW SURFACE AND MOUND CONCRETE ARNOUSING PIPE PENETRATIONS, TO FORM A SEAL, IN ONE CONTINUOUS PLACEMENT OPERATION.

NOTES TO SPECIFIER:
1. THIS DETAIL IS TO BE USED IN AREAS WHERE THERE IS NO ACCESS FOR EQUIMENT TO PLACE A PRECAST CONCRETE MANHOLE BASE, E.G. BACKLOT BASEMENTS.
2. FOR MANHOLE IN EXCESS OF 12' DEPTH USE A PRECAST CONCRETE MANHOLE BASE.
3. THE MANHOLE BASE IS DESIGNED TO PROVIDE RESISTANCE TO EXERTED USE, IF THIS BASE SIZE IS REDUCED, REINFORCING MUST BE CHECKED.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING DESIGN AND CONSTRUCTION DIVISION

SANITARY SEWER
FIBERGLASS MANHOLE WITH CAST-INS-PLACE BASE

NOT TO SCALE

DRAWN BY:

CHECKED BY:

DATE:

REV:

Dwg. No:

02063-03