

<p>STANDARD MANHOLE</p> <p>1</p> <p>PLAN</p> <p>SECTION</p> <p>* #4 BARS (4'-0" DIA.) #5 BARS (5'-0" TO 6'-0" DIA.) #6 BARS (7'-0" TO 8'-0" DIA.)</p>	<p>SHALLOW MANHOLE</p> <p>2</p> <p>PLAN</p> <p>SECTION</p> <p>* #4 BARS (4'-0" DIA.) #5 BARS (5'-0" TO 6'-0" DIA.) #6 BARS (7'-0" TO 8'-0" DIA.)</p>	<p>SHALLOW MANHOLE</p> <p>3</p> <p>COVER 23 3/4"</p> <p>RING 24"</p> <p>30 1/4"</p>	<p>DROP CONNECTION</p> <p>4</p> <p>NOTE: CITY TO DESIGNATE WHICH MANHOLE RING &amp; COVER TO USE BASED ON LOCATION.</p>
<p>FLAT TOP SLAB</p> <p>5</p> <p>CONSTRUCT FLOW CHANNEL</p>	<p>FLAT TOP SLAB</p> <p>6</p>	<p>USF 170 RING &amp; EU COVER</p> <p>7</p>	<p>USF 750 RING &amp; NH COVER</p> <p>8</p> <ol style="list-style-type: none"> <li>1. REINFORCING STEEL ON ALL CONCRETE STRUCTURES SHALL HAVE A MINIMUM COVER OF 3 INCHES.</li> <li>2. BRICK COURSING ON MANHOLES SHALL BE PLASTERED WITH 1/2 INCH CEMENT MORTAR ON THE INSIDE AND OUTSIDE FACES.</li> <li>3. THE DISTANCES AND CONTROLS SHOWN ON THE DRAWINGS REFER TO THE CENTERLINE OF THE MANHOLES.</li> <li>4. THE DISTANCES AND CONTROLS SHOWN ON THE DRAWINGS REFER TO THE CENTERLINE OF THE MANHOLES.</li> <li>5. COAT EXTERIOR AND INTERIOR SURFACES OF MANHOLES WITH KOPPERS 300-M OR EQUAL APPROVED BY THE ENGINEER. PROVIDE A MINIMUM DRY FILM THICKNESS OF 16 MILS. APPLY IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. INTERIOR COATING SHALL BE FIELD APPLIED AFTER FINAL LAMPING AND REVIEW BY THE ENGINEER.</li> <li>6. STEPS ARE REQUIRED IN MANHOLES GREATER THAN 3 FEET IN DEPTH. STEPS SHALL BE SPACED 16 INCHES ON CENTER AND SHALL BE POLYPROPYLENE PLASTIC COATED NO.3 AS MANUFACTURED BY MA INDUSTRIES, INC. OR EQUAL APPROVED BY THE ENGINEER.</li> <li>7. PVC FORCE MAIN PIPE SHALL BE WRAPPED WITH WIRE FOR LOCATING PURPOSES. A 14 GAUGE, THIN INSULATED, SOLID COPPER WIRE SHALL BE LAID IN THE PIPE TRENCH CONTINUOUS FROM VALVE BOX TO VALVE BOX. WIRE SHALL BE WRAPPED TWO TIMES AROUND EACH JOINT OF PIPE AND EXTENDED INSIDE EACH VALVE BOX TO ENABLE LOCATION DEVICES TO BE ATTACHED WITHOUT DIGGING UP THE VALVE BOX. WIRE CONNECTIONS SHALL BE MADE WITH COMMERCIAL CONNECTORS AND SEALED AGAINST MOISTURE WITH SCOTCH E-2 SEAL NO.2200 ELECTRICAL INSULATING PAD WITH VINYL BACKING.</li> <li>8. DROP CONNECTIONS ON MANHOLES ARE REQUIRED WHENEVER AN INFLUENT SEWER IS LOCATED 2 FEET OR MORE ABOVE THE MAIN INVERT CHANNEL.</li> <li>9. CAST IRON MANHOLE COVERS SHALL HAVE THE WORD 'SANITARY' CAST IN THEM IN RAISED LETTERS.</li> </ol>
<p>MANHOLE BOTTOM FOR TWO OR MORE INFLUENT LINES</p> <p>9</p>	<p>AIR RELEASE VALVE MANHOLE</p> <p>10</p>	<p>CONCRETE COLLAR (REQUIRED WHEN MANHOLE IS OUT OF PAVEMENT)</p> <p>11</p>	<p>GENERAL NOTES</p> <p>12</p>