PRE-CAST CONCRETE MANHOLE

1. MANHOLE SECTIONS SHALL MEET ASTM C-478
2. ALL JOINTS MADE WATERTIGHT WITH RUBBER GASKET JOINTS
3. CONE TO BE ECCENTRIC TYPE

1" CORROSION STOP EACH SIDE OF VALVE BY UTILITIES DEPT. AT CONTRACTOR'S EXPENSE

BRICK & GROUT OPENING AROUND PIPE

BRICK COURSES, 1 MIN., 3 MAX. ON TOP OF TRANSITION SECTION FOR GRADE ADJUSTMENT

PRECAST SLAB TOP WHERE REQUIRED FOR GREATER DEPTH, MANHOLE RISER SECTIONS ARE TO BE USED

72" ID TO 48" ID REDUCER TRANSITION SECTION

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>A</th>
<th>B</th>
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<tbody>
<tr>
<td>24&quot;</td>
<td>6'</td>
<td>6&quot;</td>
</tr>
<tr>
<td>20&quot;</td>
<td>6.5'</td>
<td>6&quot;</td>
</tr>
<tr>
<td>16&quot;</td>
<td>7'</td>
<td>9.5&quot;</td>
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SOLID CONCRETE BLOCK

CROSS SECTION

SUMP (12" DIA., 6" MIN. DEPTH)

PUBLIC SERVICES DEPARTMENT
CITY OF ANN ARBOR

GATE WELL FOR BUTTERFLY VALVES 16" AND LARGER

DRAWING NO. SD-W-4

SCALE NONE DATE 11-6-92 SHEET NO. ____ OF ____