**TOP VIEW**

**MANHOLE COVER & FRAME**

**REQUIRED DIMENSIONS.**

<table>
<thead>
<tr>
<th>Clear Opening</th>
<th>Cover O.D.</th>
<th>Frame I.D.</th>
<th>Frame Height</th>
<th>Overall Base</th>
<th>Total Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 1/4&quot;</td>
<td>24&quot;</td>
<td>24 1/4&quot;</td>
<td>4 3/8&quot;</td>
<td>50 1/4&quot;</td>
<td>365 lbs.</td>
</tr>
</tbody>
</table>

**NOTES**

1. Manhole cover shall be designed for A.A.S.H.O. H-20 loading.
2. Cast iron shall have minimum tensile strength of 30,000 lb per sq in.
3. Manhole cover shall be Albemara Foundry Co. Type A-115 for 22 1/4" dia. (Cast In Nov '63) or approved equal.
4. Marker posts shall be installed to mark manhole locations in unimproved areas.

**SECTION**

Alternate ground surface when manhole is specified to be buried.

**OPEN FIELD**

Compact Subgrade

**Paved Road Way**

Cement Mortar

**DIET ROAD WAY OR ROAD WAY SHOULDER**

Cement Mortar

(U.S.A.C. action on all unimproved roads-Wed. Aug. 20-67)

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**SECTION THRU FRAME SHOWING TYPICAL INSTALLATION**

**REVISIONS**

<table>
<thead>
<tr>
<th>No.</th>
<th>DATE</th>
<th>INITIAL</th>
<th>DESCRIPTION</th>
<th>APPV'D</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>1-47</td>
<td>M.M.</td>
<td>Drain cone mortar detail on paved roadway</td>
<td>L.R.</td>
</tr>
<tr>
<td>A</td>
<td>1-47</td>
<td>L.M.</td>
<td>Added All No. 3 Color &amp; Finish</td>
<td>L.R.</td>
</tr>
<tr>
<td>A</td>
<td>3-47</td>
<td>G.H.</td>
<td>Removed Count Circle &amp; other Rev.</td>
<td>L.R.</td>
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</tbody>
</table>

**REFERENCES**

<table>
<thead>
<tr>
<th>DRAWN</th>
<th>TRACED</th>
<th>CHECKED</th>
<th>SUBMITTED</th>
<th>APPROVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.J.</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**EASTERN MUNICIPAL WATER DISTRICT**

**RIVERSIDE COUNTY, CALIFORNIA**

**STANDARD DRAWING**

**LOCKING TYPE**

**MANHOLE COVER AND FRAME**

**APPROVED**

**DESIGN CONSTRUCTION OPERATIONS RECOMMENDED**

SB-8