NOTES
1. In unimproved non-traffic areas, top of manhole shall be 6" to 9" above grade.
2. Pipes shall not protrude more than 3" inside of manhole section. Construct water tight connection to manhole.
3. Pipe section lengths arranged to fit depth.
4. An optional two piece 30" to 48" and 48" to 60" cone may be used.
5. The use of a 30" ring and cover shall be approved by the entity engineer.
6. When installed within pedestrian access routes, top of manhole covers shall have no vertical surface discontinuities greater than 1/4" with adjacent surface, have no gaps greater than 1/2" regardless of construction tolerances, and be firm, stable, and slip resistant.

SYM. | ITEM
--- | ---
A | RING & COVER
B | GRADE ADJUSTING RING
C | 1' SECTION REIN. CONC. PIPE
D | 2' SECTION REIN. CONC. PIPE
E | 3' SECTION REIN. CONC. PIPE
F | BASE

<table>
<thead>
<tr>
<th>TAPER</th>
<th>HEIGHT</th>
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<tbody>
<tr>
<td>DIA.</td>
<td>H</td>
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<tr>
<td>48&quot;</td>
<td>36&quot;</td>
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<tr>
<td>60&quot;</td>
<td>58&quot;</td>
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<tr>
<td>30&quot; TO 48&quot;</td>
<td>36&quot;</td>
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<tr>
<td>48&quot; TO 60&quot;</td>
<td>24&quot;</td>
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</table>

FORM SMOOTH CURVE IN MANHOLE BASE FOR PIPE JUNCTION

SYNOPSIS OF ITEMS

<table>
<thead>
<tr>
<th>A</th>
<th>RING &amp; COVER</th>
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</thead>
<tbody>
<tr>
<td>B</td>
<td>GRADE ADJUSTING RING</td>
</tr>
<tr>
<td>C</td>
<td>1' SECTION REIN. CONC. PIPE</td>
</tr>
<tr>
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<tr>
<td>E</td>
<td>3' SECTION REIN. CONC. PIPE</td>
</tr>
<tr>
<td>F</td>
<td>BASE</td>
</tr>
</tbody>
</table>

EXPLDED VIEW

A
B
C
D
E
F
TAPER
SIZE AS NECESSARY

CONCRETE COLLAR
SEE STANDARD DWG. NO. 408.1

15" MINIMUM, 22" MAXIMUM

SEE NOTE 4

FULL MORTARED JOINTS
(CLASS "B" MORTAR)

BROOM FINISH

SMOOTH FINISH

SMOOTH CURVE IN MANHOLE BASE FOR PIPE JUNCTION

ISOMETRIC VIEW

B
C
H
M
L
N
R

AGENCY APPROVED

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE I MANHOLE
30 INCH RING AND COVER

DATE 01-09-20 DWG. NO. 403.1