NOTES:

1. BACKER DESIGNED FOR 3000 PSF SOIL BEARING.
2. END OF PIPE CAPPED OR PLUGGED.
3. GREASE STEEL PLATE WHERE IN CONTACT WITH CONCRETE BACKER.
4. PLACE CONCRETE AGAINST UNDISTURBED SOIL.
5. THOROUGHLY COMPACT BACKFILL BETWEEN VALVE AND END OF PIPE.
6. FOR WATER MAINS 20" AND GREATER, A THRUST RESTRAINT SYSTEM FOR DEAD END PIPE MUST BE DESIGNED BASED UPON EXISTING SITE CONDITIONS AND PROJECT REQUIREMENTS. DESIGN DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER AND BE SUBMITTED TO DOW FOR REVIEW.

<table>
<thead>
<tr>
<th>PIPE DIAMETER (in)</th>
<th>H</th>
<th>B</th>
<th>L</th>
<th>VOLUME CU-FT</th>
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<tbody>
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<td>3&quot;</td>
<td>5&quot;</td>
<td>1&quot;</td>
<td>10'</td>
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<td>1&quot;</td>
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LIFTING RING

1/2" STEEL R

LIFT RING DETAIL

PLAN VIEW

SECTION A-A

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER

STANDARD DETAIL
THRUSt BLOCK DETAIL
END OF PIPE

L-7001

APPROVED: R.A. Wasterfield 1-26-18
ADMINISTRATOR DATE