RULE AND REGULATION 06-04
Division of Power & Water
Department of Public Utilities

JUNE 2006

SUBJECT: SERVICE LINE MATERIALS UPSTREAM FROM WATER METER

Pursuant to the authority granted under Columbus City Codes Section 1101, the Director of the Department of Public Utilities hereby adopts, establishes and publishes this rule and regulation to be effective at the earliest date allowed by law. This rule and regulation is in addition to any established requirements that have not been superseded or rescinded by this or any previous act.

APPLICATION:

Materials for all water service lines connected to the City of Columbus, Division of Power & Water distribution system, including retail contract areas, but excluding wholesale contract areas.

DEFINITIONS:

Retail Contract Areas: those areas or municipalities that own the water main lines but have a contract with the Division of Power & Water to provide water and to maintain the water main lines.

Wholesale Contract Areas: those water service areas or municipalities that own and maintain their own water distribution system, but have a contract with the City of Columbus, Division of Power & Water to provide water service through a master meter.

Water Service Line: all piping from the curb stop or gate valve, to where the meter setting begins.

GENERAL REGULATION:

The same material shall be used for the entire length of the service line.

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Electricity Division 3500 Indiana Avenue Columbus, Ohio 43214 614/645-8371 FAX: 614/645-7830 TDD: 614/645-6454

The City of Columbus is an Equal Opportunity Employer
II. **Three inch and Larger Service Lines:**

**Materials:**

Water service lines three inches (3") and larger shall be ductile iron pipe AWWA C150. Internal pressure shall be 150 psi (1034 kPa) normal operating pressure; 100 psi (689 kPa) surge pressure (water hammer). Factor of Safety: 2.0 Minimum. Pipe shall be manufactured in accordance with AWWA C151 except as herein modified:

- **Hardness:** Rockwell B-90 maximum
- **Corrosion Allowance:** .08 inches (2 mm) minimum
- **Wall thickness and Class as follows:**

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<thead>
<tr>
<th>Size</th>
<th>Wall Thickness</th>
<th>Thickness Class</th>
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<tbody>
<tr>
<td>3 Inches (76 mm)</td>
<td>.31 (7.9 mm)</td>
<td>53</td>
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<tr>
<td>4 Inches (102 mm)</td>
<td>.32 (8.1 mm)</td>
<td>53</td>
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<tr>
<td>6 Inches (152 mm)</td>
<td>.34 (8 mm)</td>
<td>53</td>
</tr>
<tr>
<td>8 Inches (203 mm)</td>
<td>.36 (9.1 mm)</td>
<td>53</td>
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<tr>
<td>10 Inches (254 mm)</td>
<td>.38 (9.7 mm)</td>
<td>53</td>
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<tr>
<td>12 Inches (305 mm)</td>
<td>.43 (10.9 mm)</td>
<td>54</td>
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<tr>
<td>16 Inches (406 mm)</td>
<td>.46 (11.7 mm)</td>
<td>54</td>
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All piping shall have a bituminous-coated cement lining complying with AWWA C104 Specifications and shall have an outside coating of bitumastic enamel or approved equal.
R&R 06-04 continued...

Reference:
Standard Detail Drawings L-6317 A through E.

APPROVED:  
RICHARD C. WESTERFIELD, Ph.D., P.E.  
ADMINISTRATOR  
DIVISION OF POWER & WATER  

APPROVED:  
CHERYL ROBERTO  
DIRECTOR  
DEPARTMENT OF PUBLIC UTILITIES

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