

## FOR BOARD ACTION

Agenda Item # 8

Meeting Date:

9/26/06

**SUBJECT:** REVISIONS TO WATER SERVICE RULES AND REGULATIONS

**PREPARED BY:** Doug Rovang, Senior Civil Engineer

DCR

ITEM DESCRIPTION:

The purpose of the Water Service Rules & Regulations is to assist RPU customers, prospective customers and their architects, engineers or plumbing contractors in planning for, making arrangements for, obtaining and maintaining municipal water service. Staff reviewed the proposed changes to the Rules with the Utility Board at the 8/29/2006 Board meeting. Copies of the proposed updated Water Service Rules (with proposed revisions shown in red) have been provided separately to the Utility Board.

UTILITY BOARD ACTION REQUESTED:

Staff requests the Utility Board approve the proposed revised Water Service Rules and Regulations to become effective on January 1, 2007.

  
\_\_\_\_\_  
General Manager

  
\_\_\_\_\_  
Date

ROCHESTER PUBLIC UTILITIES

**SUMMARY OF PROPOSED REVISIONS**  
**TO**  
**WATER SERVICE RULES AND REGULATIONS**  
**September, 2006**

Please see red-lines copy. Several revisions are housekeeping in nature and are self-explanatory. A summary of substantive proposed revisions are listed below:

**Section 100 (Definitions)**

- 1) Elimination of definition of Townhouse because the term is no longer used.

**Section 400 (Water Service)**

- 1) 3) 404,405 and 406 - Clarification of the individual water service or combined water service requirements for a building based on underlying and adjacent property ownership. (The proposed changes will provide guidance for multiple-unit building designers and for plumbing inspections by the Building Safety Department.)

**Section 500 (Water Meters and Metering)**

- 1) 504.1(1) - Clarifies water meter requirements for residential multiple-unit buildings based on underlying property ownership. (The proposed change will provide guidance for multiple-unit building designers and for plumbing inspections by the Building Safety Department.)
- 2) 504.2(3) - Changes the required street side meter stop valve and water meter minimum allowed height above the finished floor so as to be compatible with the Minnesota Plumbing Code requirement that a water meter be placed at least 12 inches above the finished floor.
- 3) 504.2(5) – Adds a requirement that meter stop valves be maintained in operable condition.

**Sections 500, 600 and 700**

- 1) Where Exhibits or Exhibit call-out letters have been changed in the Rules, references in these sections have been updated.

**Section 700 (Private Fire Protection Systems)**

- 1) 703 - Clarifies where indemnity agreements for unmonitored fire protection systems are required.

**SUMMARY OF PROPOSED REVISIONS TO  
WATER SERVICE RULES AND REGULATIONS**

**September, 2006**

Page 2

**Exhibits**

- 1) Exhibits A and B are updated to reflect changes in water service line stub-out requirements. Water service line stub-outs historically have been terminated at the property line. Installation of other utilities (phone, electric, cable and natural gas) in the 10' utility easement extending beyond the property line made later hookup to the water service difficult. The change (which developers support) requires water services to be extended an additional 10' to the rear of the utility easement. This change was recently incorporated into an update of the City of Rochester "Standards for Street and Utility Construction".
- 2) Previous Exhibits H and I, which refer to remote water meter register installation requirements are being deleted because they are no longer being installed because RPU is now installing radio read water meters. Remote registers are no longer needed.
- 3) New Exhibit H is being added to provide a detail for water system curb box installation requirements in paved streets, driveways or occasional sidewalks.
- 4) Previous Exhibits J, K, and L are reordered to reflect the deletion of previous Exhibits H and I, and inclusion of new Exhibit H.

**Major Reasons for This Water Service Rules and Regulations Update (last revision in 2003):**

- 1) The need for clarification in writing of water service issues encountered with developers and other City Departments since the 2003 Water Rules revisions.
- 2) Changes in water service engineering/construction practices or water metering technology.

**ROCHESTER PUBLIC UTILITIES**  
**(Proposed Revisions, September, 2006 – Proposed Changes Shown in Red)**  
**WATER SERVICE**  
**RULES AND REGULATIONS**

Revised **September, 2006**  
**(To Be Effective January 1, 2007)**

**INTRODUCTION**

Rochester Public Utilities (hereafter referred to as RPU) has assembled this booklet to assist its customers, prospective customers and their architects, engineers or plumbing contractors in planning for, making arrangements for, obtaining and maintaining municipal water service.

The information presented here is intended to supplement the requirements of the Minnesota Plumbing Code Chapter 4715 and all other applicable federal, or state, and municipal codes, regulations, laws and ordinances. It is always necessary to refer to and comply with such other codes, regulations, laws, and ordinances when planning, designing, and installing a new water service. Specific requirements of RPU do not intentionally conflict with any other requirements known to be in effect as of the publication date of this booklet. Any apparent conflicts of this nature should be brought to the attention of RPU for interpretation.

RPU wishes to serve its customers promptly and satisfactorily. It will endeavor to cooperate with customers and their authorized representatives to the fullest extent in completing service connections with as little delay and inconvenience as possible, and will gladly give special attention to any particularly difficult situation confronting a customer.

RPU will be happy to confer with those customers desiring information concerning rates, services, fees, charges, etc., upon request by telephone or otherwise. Such requests should be directed to an RPU Customer Service Representative (at the RPU Service Center, 4000 East River Road NE).

507.280.1500 (Customer Service); 507.280.1540 (General Info); or 1.800.778.3421  
507.280.1642 (Fax)  
507.280.1643 (Online Fax)

The current Water Service Rules and Regulations are also available at:  
[http://www.rpu.org/builders/water\\_rules\\_and\\_regulations/](http://www.rpu.org/builders/water_rules_and_regulations/)

**PUBLIC UTILITY BOARD**  
**CITY OF ROCHESTER, MINNESOTA**

**Before you dig, contact Gopher State One-Call: 1.800.252.1166**

Adopted by a resolution of the Public Utility Board of the City of  
Rochester, Minnesota, ~~July 29, 2003~~ September 28, 2006

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water used becomes a product or is lost to evaporation. The deduct meter usage is subtracted from the normal water meter reading for the purpose of determining the sewer billing.

**ERT:** A wireless Encoder Receiver Transmitter fitted on a water meter to permit automatic meter reading (AMR). A handheld or vehicle-mounted radio transceiver broadcasts a wake-up signal to the ERT, and the ERT then sends the present water meter reading back to the transceiver.

**Fire Service:** A single water service line providing water to fire protection devices (such as sprinklers or fire hose connections) within a building or premises.

**House Piping:** A series of pipes for the conveyance of water extending from the water meter to points of consumption within a building.

**Irrigation Meter:** A water meter installed for the express purpose of metering water used for irrigation. Water measured by irrigation meters is not to enter the sanitary sewer system.

**Premises:** A defined area of a property parcel or building contained thereon, where water consumption occurs.

**Readily accessible:** Capable of being reached safely and quickly for installation, operation, repair, replacement or inspection without requiring those to whom ready access is requisite to remove obstacles, panels or similar obstructions.

**Remote Register:** A device located on the outside of a customer's premises which is designed to permit the reading of a water meter contained within the premises. (Remote registers are being replaced by ERTs.)

**RPU:** Rochester Public Utilities.

**Service Assured<sup>SM</sup>:** RPU's underground service repair insurance program offered to qualifying electric and/or water customers.

**Stop Valve:** A device designed to control the flow of water within a water service or the water distribution system of a building, unit or customer application served.

**Tapping Sleeve and Valve:** A device designed to connect a water service sized 4" or larger to a water main without removing the water main from service.

~~**Townhouse (As Defined for Water Utility Purposes):** A single family dwelling unit constructed on a single lot or a group of lots, and consisting of three or more attached dwelling units (premises), each unit extending from the foundation to the roof and having at least two exposed sides.~~

**Water Main:** A pipe, or system of pipes and fittings, used to distribute water from water

## SECTION 200

### GENERAL INFORMATION

#### 201 Scope and Applicability

**201.1** The requirements of this section shall govern the furnishing of water by RPU from the public water main to premises inside and outside the City of Rochester.

**201.2** Every customer applying for water service or receiving water from the public water main, and/or owner of property for which such application is made or water is received, shall be deemed by such application or use, to consent to abide by all the rules and regulations established and to all material/construction requirements and modifications described herein.

#### 202 Temporary Interruption of Service

RPU reserves the right to interrupt the flow of water within the distribution system to any premises at any time to facilitate system improvements, repairs, testing and connections, to ensure adequate fire flows or for any other good cause. RPU will attempt to furnish an uninterrupted supply of water to all customers. RPU, or a designated representative, will attempt to notify customers in advance by telephone, letter or doorknocker of any planned (non-emergency) interruption in their water service.

#### 203 Termination of Service

**203.1** Water service provided to a premises may be terminated, upon the giving of written notice, for the following reasons:

- (1) The customer or owner of the premises served, or any person working on any pipes or equipment thereon which are connected with the public water main, has violated any of these rules relative to the water supply system or connections with it.
- (2) The customer or owner of the premises served has threatened to violate or cause to be violated any of the provisions of these rules including, but not limited to, installation of backflow preventers where required at meters and/or elsewhere.
- (3) Any unpaid water service charge or other financial obligation imposed by the provisions of these rules.
- (4) Fraud or misrepresentation by the owner or customer in connection with an application for service.
- (5) Unauthorized use of water during a declared water shortage.  
(See Section 205.)



## SECTION 300

### RATES, FEES AND CHARGES

#### 301 Rates

Copies of the current Water Rate Schedule (Rate Schedule WTR) and Fire Hydrant Facilities Charge Schedule (Rate Schedule FHFC) established by the Utility Board and approved by the Common Council are available at the RPU Service Center and on the RPU web site ([www.rpu.org](http://www.rpu.org)).

#### 302 Miscellaneous Fees and Charges

**302.1** Equipment and labor furnished by RPU and determined to be a customer's responsibility will be invoiced in accordance with the current RPU fee schedule. Material furnished by RPU and determined to be a customer's responsibility will be invoiced at inventory cost plus the current overhead rate.

**302.2** The RPU Miscellaneous Fee Schedule has been established for commonly provided services (such as water main tapping, frozen meter replacement, and hydrant meter rental), and for unauthorized water use. A copy of this schedule is available at the RPU Service Center.

## SECTION 400

### WATER SERVICE

#### 401 Responsibility

The property owner is responsible for the cost of installing a water service. The property owner owns the water service, and is responsible for its repair, maintenance or replacement. Repair, replacement or abandonment of a water service shall be done by a licensed plumber or water and sewer contractor licensed by the City of Rochester.

#### 402 Installation

Water service installations shall conform to the current version of the Minnesota Plumbing Code Chapter 4715 as adopted by the City and the requirements of these Rules.

#### 403 Access

RPU and the Building and Safety Department shall have the right to access the served premises at all reasonable times for inspection, maintenance and operation of any water service component.

#### ~~404 Single Family Residences and Twin Home Dwelling Units.~~

~~404.1 This type of residence includes any building constructed on a single lot or group of lots and consisting of one dwelling unit or two attached dwelling units (premises) in which each unit extends from the foundation to the roof.~~

~~404.2 Each single family residence and twin home unit shall have a properly sized, individual water service line with a readily accessible curb valve located exterior to the building. (See Exhibit A.) No part of an individual water service shall cross another lot line or pass under or through another dwelling unit. However, twin homes having common ownership of the property around the units may be served by a properly sized, master water service line extending from the water main to the individual water services and curb valves. In such cases, evidence of a legally recorded homeowners' association agreement documenting association responsibility for repair and maintenance of the common service line shall be provided to RPU before construction begins.~~

~~Each single family residence shall have a properly sized, individual water service line with a readily accessible curb valve located exterior to the building. (See Exhibit A.) No part of an individual water service shall cross another lot line or pass under or through another dwelling unit.~~

#### ~~405 Townhouses (As Defined for Water Utility Purposes)~~

~~405.1 A townhouse is a single family dwelling unit constructed on a single lot or a~~

~~group of lots and consisting of three or more attached dwelling units (premises), each unit extending from the foundation to the roof and having at least two exposed sides.~~

~~405.2 Each townhouse unit shall have a properly sized, individual water service line with readily accessible curb valve located exterior to the building. No part of an individual water service shall cross another lot line or pass under or through another dwelling unit. However, townhouses having common ownership of the property around the units may be served by a properly sized, master water service line extending from the water main to the individual unit water services and curb valves. In such cases, evidence of a legally recorded homeowners' association agreement documenting association responsibility for repair and maintenance of the common service line shall be provided to RPU before construction begins. (See Exhibit G.)~~  
~~sides.~~

#### **405 Residential Multiple-Unit Buildings**

Whenever a building with two or more units is constructed, and the individual units and underlying property are to be under individual ownership, each unit shall have a separate, properly sized, individual water service line with a readily accessible curb valve located exterior to the building adjacent to the unit served. No part of the individual water service shall pass under or through another unit or lot. However, multiple residential units having common ownership of the property around the units may be served by a properly sized, master water service line extending from the water main to the individual water services and curb valves. (See Exhibit G.) In such cases, a homeowners' association shall be responsible for maintenance and repair of the common service line.

#### **406407 Commercial, Industrial and Other Non-Residential Multiple-Unit Buildings**

~~407.1406.1~~ Commercial, industrial and other multiple-unit buildings not included in Section 405 above shall have a properly sized, single domestic water service line extending from the water main to a single, common metering area within the building readily accessible to RPU without entering an individual unit. (See Exhibit C.) In certain situations where providing a single common metering area is not practical due to building layout, a separate service shall be brought into each unit.

~~407.2406.2~~ A combined domestic water service/fire protection service line may be installed only if RPU determines that domestic water consumption is sufficient to prevent water from becoming stale in the combined service line.

#### **407406 Manufactured Home Developments**

~~407.1406.1~~ A separate and individual water service shall be provided for each lot within a manufactured home development constructed hereafter. (See Exhibit B.) The curb valve shall be readily accessible to RPU.

~~407.2406.2~~ A separate and individual water service shall be provided for each accessory building within a manufactured home development .

## SECTION 500

### WATER METERS AND METERING

#### 501 Multiple Unit Installations

Whenever a multiple unit residential, commercial or industrial building is to be constructed and served by the City water system, the owner shall submit to RPU for approval a set of drawings showing the proposed water service(s) and a plumbing schematic for the building and a tabulation of the plumbing fixture units to be installed.

#### 502 Meter Ownership

All water meters and metering-related equipment used for water and sewer billing will be furnished, owned and maintained by RPU. Meters used only for sewer billing will be furnished and maintained by RPU.

#### 503 Meter Access

**503.1** RPU shall have the right to access the served premises at all reasonable times to install, read, inspect, maintain or remove any water meter or metering-related equipment. If a customer denies RPU reasonable access to a water meter or metering-related equipment, water service may be terminated until access is gained. (See Section 203.1(7).)

**503.2** If a customer does not furnish a protected, suitable location for a meter, RPU may refuse connection of the premises to the City water system.

#### 504 Meter Installation

##### 504.1 Location and Number

- (1) In a single-family residence, ~~twin home or townhouse~~ and residential multiple-unit buildings where the individual units and underlying property are to be under individual ownership, the meter shall be installed in the residence/unit being served.
- (2) Water meters installed to serve manufactured homes with an unheated crawlspace, or structures of a temporary nature shall be installed as shown in Exhibit B.
- (3) In all other buildings not listed in (1) and (2) above, water meter(s) shall be located in a single common area readily accessible to RPU without entering an individual unit.
- (4) Existing meter installations are grandfathered in.

## 504.2 Installation Requirements

- (1) Only the following may be connected to a water service ahead of the meter (See Sections 408, 704 and 801.1.):
  - a) An approved separately metered water service to an additional building under the same ownership;
  - b) A private fire protection system (See Section 704 for an exception);
  - c) A metered irrigation service.
- (2) Water meter(s) shall be installed at the point of entry of the water service into the building. All water meter installations shall have a full flow stop valve on each side of, and adjacent to, the water meter.
- (3) For 1" and smaller meter installations, the water service line shall be brought vertically through the floor of the premises and shall have a readily accessible meter stop valve installed immediately before, and on the street side of, the meter between 24" and 48" above the finished floor. (See Exhibit A.) The pipe and meter shall be rigidly supported in order to prevent vibration when the meter operates.
- (4) A bypass (the same size as the meter) shall be installed for all meters 1-1/2" in size or larger.
- (5) The water meter shall be readily accessible. An unobstructed area extending not less than 12" above the meter, and on all sides and the front of the meter shall be provided to permit RPU to easily read and maintain the meter and operate the meter stop valves. **Meter stop valves shall be maintained in operable condition.**
- (6) In newly constructed buildings, the water meter(s) shall be installed immediately after the water service is flushed.

## 505 Remote Registers

RPU is phasing out remote registers. However, a remote register shall be maintained for each water meter at a premises until RPU furnishes a meter with an ERT for automatic water meter reading. The remote register shall be maintained adjacent to the electric meter. If an existing electric meter is relocated, RPU will install an ERT and remove the remote register. (See Exhibits H and I.)

## 506 Maintenance, Repairs and Replacements

RPU maintains all water meters used to determine City water and sewer billings. Any repair expense caused by actions, neglect or carelessness of the owner or occupant of a premises will be charged to either the customer or the owner of the premises.

## **507 Meter Testing**

**507.1** RPU will test a meter at the request of a customer. If the meter is determined to accurately measure or under-register, RPU may charge the customer for the meter test. (See Section 1003 related to billing adjustments for defective meters.)

**507.2** Customers who request additional testing of a water meter within a twelve month period will be charged for the meter test in accordance with the RPU Miscellaneous Fee Schedule **in effect at the time of the test**. This schedule is available at the RPU Service Center.

## **508 Frozen Meters**

Customers shall be responsible for protecting water meters from freezing. If a meter freezes, the customer may be required to relocate the meter to a location approved by RPU. For manufactured homes, the meter shall be relocated to the interior of the home. If a meter is damaged by freezing and is replaced, the Frozen Meter Replacement Fee will be charged.

## **509 Meter and Bypass Seals**

All water meters, remote registers and bypasses will be sealed. Unauthorized connection to, bypassing of, or tampering with a water meter, associated equipment or meter seals, or indications or evidence thereof subjects the customer to immediate discontinuance of service, prosecution under the laws of Minnesota, adjustment of prior bills for services rendered and reimbursement to RPU for all extra expense incurred on the account.

## **510 Meter Identification**

In multiple meter installations, the owner shall provide permanent, easy to read markings to identify the premises served. ~~(See Exhibit H.)~~

## **511 Irrigation Meter Installations**

(See Exhibits D, E and F.)

## SECTION 600

### FIRE HYDRANTS

#### 601 Materials, Locations and Relocations

**601.1** Public and private fire hydrant materials and locations shall be as specified in the City of Rochester "Standards for Street and Utility Construction". Fire hydrant locations will be approved by the Rochester Fire Prevention Bureau.

**601.2** Fire hydrants may be relocated at the owner's expense and only if approved by RPU. Payment shall be made in advance if RPU relocates the hydrant. The new hydrant location shall be on the property frontage of the owner requesting the relocation. Hydrant relocations shall be in accordance with the City of Rochester "Standards for Street and Utility Construction".

#### 602 Permits for Private Use

**602.1** A temporary hydrant use permit will be issued when, in the opinion of RPU, the private use of a fire hydrant will not unduly jeopardize the rights of the public and when water cannot be conveniently provided from another source. (See Exhibits ~~KJ~~ and ~~LK~~.)

**602.2** A permit will be issued for each hydrant location. The permit shall be carried by the individual using the hydrant and shall be available for inspection by the Fire Department, the Building and Safety Department and RPU. Only RPU employees may install or remove temporary hydrant valves and meters, and the permit holder or his representatives shall not operate the main hydrant valve.

**602.3** A deposit may be required at RPU discretion to guarantee payment for water used and to cover any breakage or damage to the fire hydrant, flush valve or meter. Upon expiration of the permit, the deposit will be refunded less any resulting charges.

#### 603 Charges for Hydrant Meter Rental

**603.1** A Hydrant Meter Installation Fee and Hydrant Meter Rental Fee will be charged for each permit issued and each subsequent renewal period. Expenses resulting from actions, neglect or carelessness will also be charged to the permit holder.

**603.2** In addition to the meter installation and rental fees, and charges for damages, a charge will also be made for all water used in accordance with the standard water rate schedule.

## SECTION 700

### PRIVATE FIRE PROTECTION SYSTEMS

#### 701 Connection to City Water Mains

**701.1** Connection of any private exterior or building interior fire protection or extinguishing system to a City water main requires City approval.

**701.2** Complete plans and specifications for private fire protection systems to be connected to a City water main shall be submitted to the City Building and Safety Department and the Rochester Fire Department for review and approval. All such systems shall conform to the latest Minnesota and City plumbing and fire protection codes.

**701.3** Private fire hydrants shall be of the same make, model and color as those installed by the Water Utility. Private fire hydrant use is governed by the conditions for fire protection systems set forth in these Rules. A release indemnity agreement will be required for any private fire hydrant not maintained by RPU.

#### 702 Modifications

Complete plans and specifications for any modifications or additions to an existing private fire protection or fire extinguishing system connected to a City water main shall be submitted to the City Building and Safety Department and the Rochester Fire Department for review and approval. No modification or addition to or alteration of the systems shall be made without written permission from the City. Any such changes shall conform to the latest State and City plumbing and fire protection codes.

#### 703 Release and Indemnification

A release indemnity agreement in the form prescribed by the RPU shall be provided at the time of construction for any ~~single-family, twin-home or townhouse building~~ where an **unmonitored** private fire protection or extinguishing system is to be connected to a City water main, or at the time an **unmonitored** fire protection or extinguishing system is added to such a building. The indemnity agreement shall indemnify and hold the City harmless from any and all actions, causes of action, costs, damages, claims and demands to which the City may be subjected by reason of the connection to or utilization of City water mains. The release indemnity agreement shall be filed with RPU and recorded before permission may be granted hereunder to connect the **unmonitored** fire protection or fire extinguishing system to a City water main.



## SECTION 900

### CROSS CONNECTIONS

#### 901 Rules/Codes

The most recent edition of the Cross Connection Control Manual published by the Foundation for Cross Connection Control and Hydraulics Research, and the Section of the Minnesota Plumbing Code Chapter 4715 dealing with "Protection of Potable Water Supply" are adopted for these Rules. The Minnesota Plumbing Code shall take precedence where any conflict occurs.

#### 902 Backflow/Cross Connection Prevention

**902.1** No private well shall be connected to any RPU residential or commercial customer house piping. Wells located within buildings to be connected to the City water system must be sealed and abandoned within 90 days of connection to the City water system hereafter.

**902.2** Any industrial water customer also served by a private well shall install a reduced pressure backflow preventer at the owner's cost immediately downstream from the RPU water meter, and shall provide written proof to RPU of the installation and annual inspection of the backflow preventer by a City licensed plumber possessing a Minnesota backflow preventer maintenance certificate.

**902.3** Any customer whose operations are determined by RPU to constitute a potential for the occurrence of a cross connection or backflow shall install and maintain an appropriate backflow preventer, and shall provide written proof to RPU of the installation and annual inspection of the backflow preventer by a City licensed plumber possessing a Minnesota backflow preventer maintenance certificate.

**902.4** When private use of a fire hydrant is authorized by RPU, the Hydrant Use Permit holder shall install a suitable backflow preventer to protect the municipal water distribution system. (See Exhibits **KJ** and **EK**.)

#### 903 Access

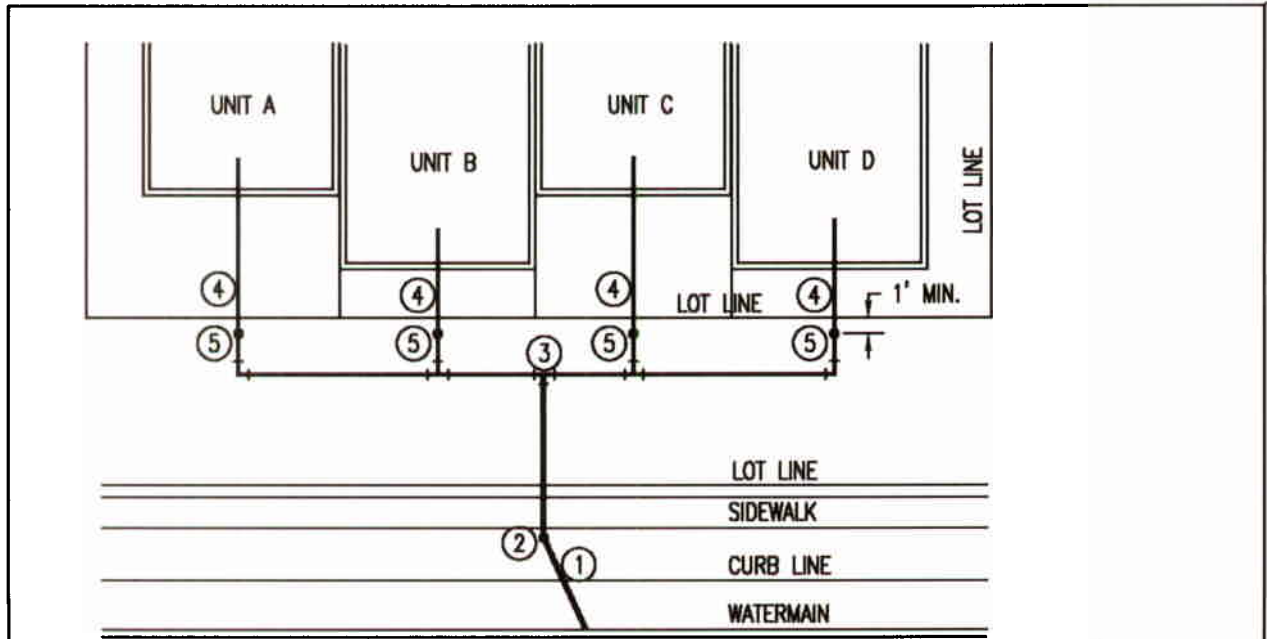
RPU and the Building and Safety Department shall have the right to access the served premises at all reasonable times for inspection of backflow preventer devices.

## LIST OF EXHIBITS

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Note: Exhibits shown (except Exhibits ~~J~~ I and ~~K~~ J) are Detail Plates from the City of Rochester "Standards for Street and Utility Construction". The Exhibits are provided for general information, and may not be current. Copies of current Detail Plates may be obtained from the City of Rochester Department of Public Works, and are also available on the City of Rochester web site at: [www.rochestermn.gov/publicworks/design/standardplates/designplates.htm](http://www.rochestermn.gov/publicworks/design/standardplates/designplates.htm).

**EXHIBIT G**



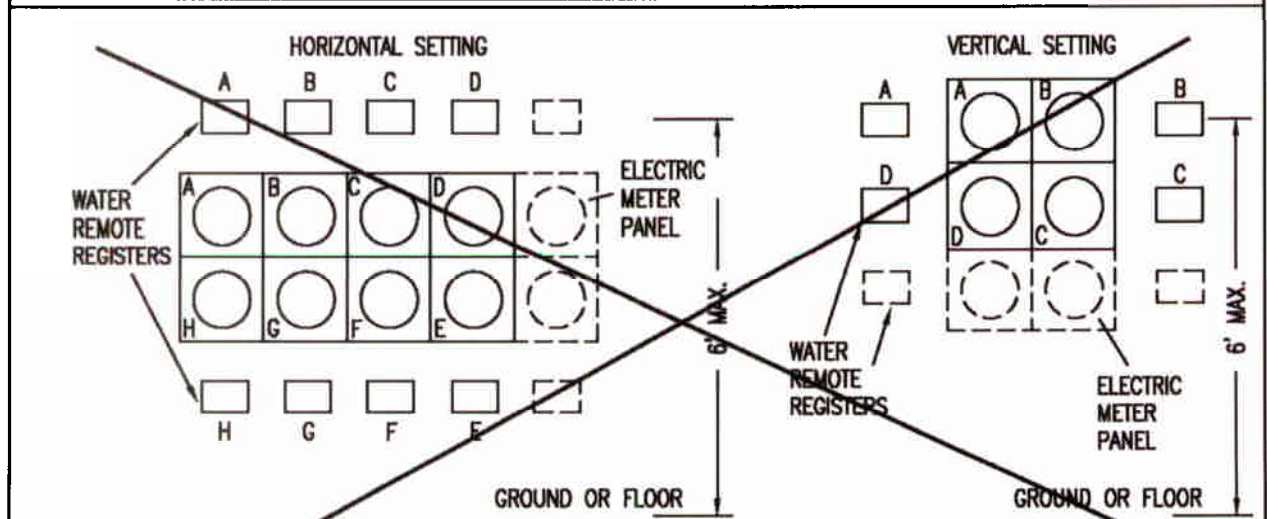
**NOTE**

ALL SERVICE CONNECTIONS OF THIS TYPE SHALL BE REVIEWED BY RPU FOR PROPER SIZING PRIOR TO INSTALLATION. SERVICE FROM WATERMAIN TO BUILDING BY OWNER.

- ① MASTER SERVICE
- ② MASTER CURB BOX
- ③ MASTER TEE (SPLIT FOR INDIVIDUAL UNIT SERVICES)
- ④ INDIVIDUAL SERVICES—MINIMUM 1"
- ⑤ INDIVIDUAL CURB BOXES

**EXHIBIT G**

**ALTERNATE SERVICE LAYOUT FOR TOWNHOUSES**



**TYPICAL WATER REMOTE REGISTER SETTING**

**EXHIBIT H**

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA <b>WATER REMOTE REGISTER                  MULTIPLE DWELLING</b>			
RPU-WATER UTILITY		DIRECTOR	
SHT 1 OF 1 SHTS	DATE REVISED	PLATE NO. 6-13	REV. B

EXHIBIT H

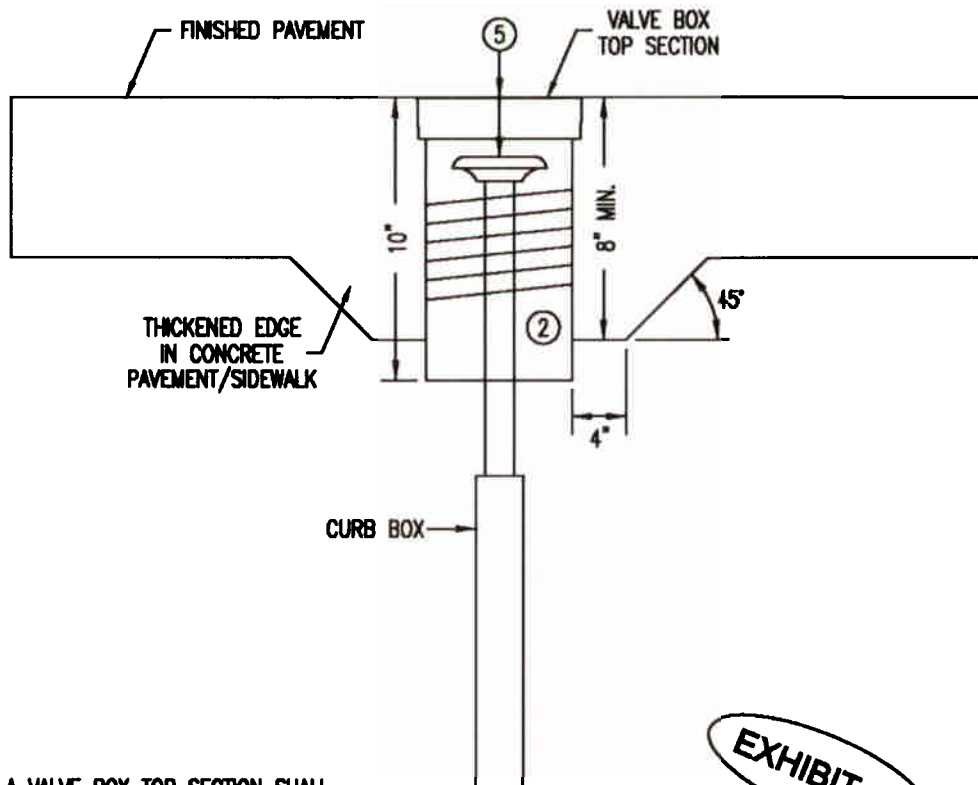
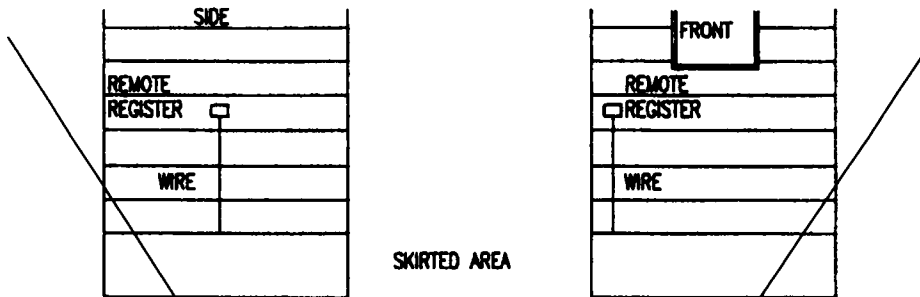


EXHIBIT H

1. A VALVE BOX TOP SECTION SHALL BE USED AS A CURB BOX COVER WHENEVER THE CURB BOX FALLS INTO NEW OR REPLACED CONCRETE SIDEWALK, DRIVE APPROACH, OR BITUMINOUS PAVEMENT AREAS.
- ② VALVE BOX TOP SECTION SHALL BE OF THE SCREW TYPE, HAVE A MINIMUM INSIDE SHAFT DIAMETER OF 5 1/4", AND HAVE A CAP WITH THE WORD "WATER" PLAINLY MARKED ON TOP.
3. IN ALL RESPECTS THE VALVE BOX SHALL BE EQUAL TO TYLER/UNION-10T-UPC#144939.
4. VALVE BOX COVER SHALL BE OF THE LOCKING TYPE, EQUAL TO A TYLER/UNION UPC#145482.
- ⑤ CURB BOX RISER CAP IS TO BE A MINIMUM OF 4" AND A MAXIMUM OF 6" BELOW THE FINISHED PAVEMENT GRADE.
6. CURB BOX RISER ADJUSTMENT, AND THE FURNISHING & INSTALLATION OF VALVE BOX TOP SECTION AND COVER, SHALL BE INCLUDED IN PAYMENT FOR CURB BOX COVER.

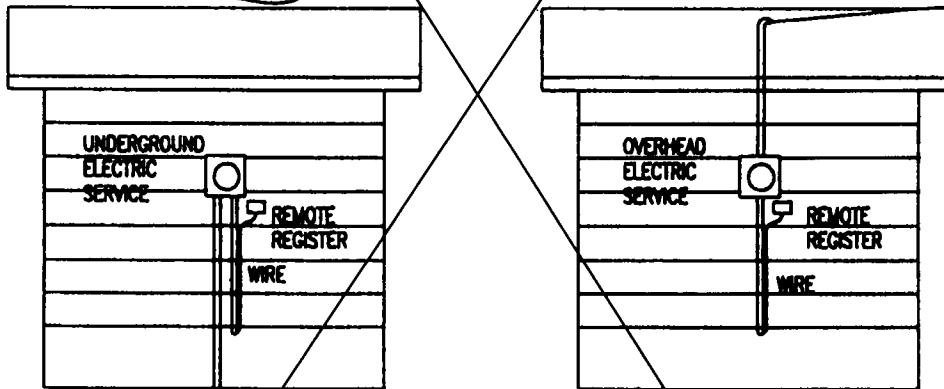
DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
<b>CURB BOX COVER</b>			
<i>Donald L. Nelson</i> ASST. CITY ENGINEER		<i>Richard W. Finner</i> DIRECTOR	
SHT 1 OF 1 SHTS	DATE REVISED 3/22/06	PLATE NO. 1-09	REV. B

**EXHIBIT I**



A REMOTE REGISTER FOR A MOBILE HOME SHALL BE LOCATED ON THE OUTSIDE OF THE MOBILE HOME IN SUCH A PLACE WHICH IS ACCESSIBLE TO METER READERS AT ALL TIMES. THE LOCATION OF THE REMOTE REGISTER SHALL BE ON THE OUTSIDE OF THE MOBILE HOME, APPROX. EYE LEVEL, IN AN AREA CLOSEST TO THE VICINITY OF THE ELECTRIC METER. THE REMOTE REGISTER WIRE SHALL BE RUN FROM THE WATER METER LOCATION TO THE OUTSIDE OF THE MOBILE HOME BY AN ELECTRICIAN, MOBILE HOME SETTER, OR OWNER. THE RPU SERVICE WORKER WILL THEN INSTALL THE REMOTE REGISTER AND MAKE THE CONNECTIONS.

**EXHIBIT I** TYPICAL MANUFACTURED HOME



AN OUTSIDE REMOTE REGISTER SHALL BE LOCATED NEXT TO THE ELECTRIC METER. NEW HOMES OR NEW REWIRE OF OLDER HOMES, THE ELECTRICIAN SHALL RUN THE WIRE FOR THE REMOTE FROM THE WATER METER IN THE BASEMENT TO THE OUTSIDE OF THE HOUSE NEXT TO THE ELECTRIC METER. THE RPU SERVICE WORKER WILL THEN INSTALL THE REGISTER AND MAKE THE CONNECTIONS.

TYPICAL RESIDENTIAL HOME

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
<b>WATER REMOTE REGISTER SETTING DETAILS</b>			
RPU-WATER UTILITY		DIRECTOR	
SHT 1 OF 1 SHTS	DATE REVISED	PLATE NO. 6-14	REV. B

EXHIBIT ↓↓

ALLOWABLE WATER SERVICE PIPE MATERIALS

<u>Diameter</u>	<u>Material</u>
3/4"	Type K Copper
1"	"
1-1/4"	"
1-1/2"	"
2"	"
4"	Ductile Iron
6"	"
8"	"
10"	"
12"	"

## EXHIBIT **K J**

### **USE OF WATER FROM FIRE HYDRANTS IN THE CITY OF ROCHESTER**

See Section 600 (Fire Hydrants) of these Rules for appropriate non-fire fighting use of fire hydrants. Temporary hydrant use permits will be issued for authorized use.

Prior to the issuance of Hydrant Use Permits, all tank trucks, street sweepers and other water using equipment will be inspected by RPU for compliance with the Section of the Minnesota Plumbing Code Chapter 4715 dealing with "Protection of Potable Water Supply".

The Permit holder shall install a permanently attached fill pipe with an air gap between it and the tank at least twice the diameter of the fill pipe. As an alternative, an approved reduced pressure backflow preventer may be installed on the fill pipe. See Exhibit L.

If you have any questions, please contact RPU



## RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve the Water Service rules and Regulations (Revised September, 2006) to be effective January 1, 2007.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 26th day of September, 2006.

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President

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Secretary





## RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve the Water Service Rules and Regulations (Revised September 26, 2006) to be effective January 1, 2007.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 26th day of September, 2006.

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President

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Secretary