

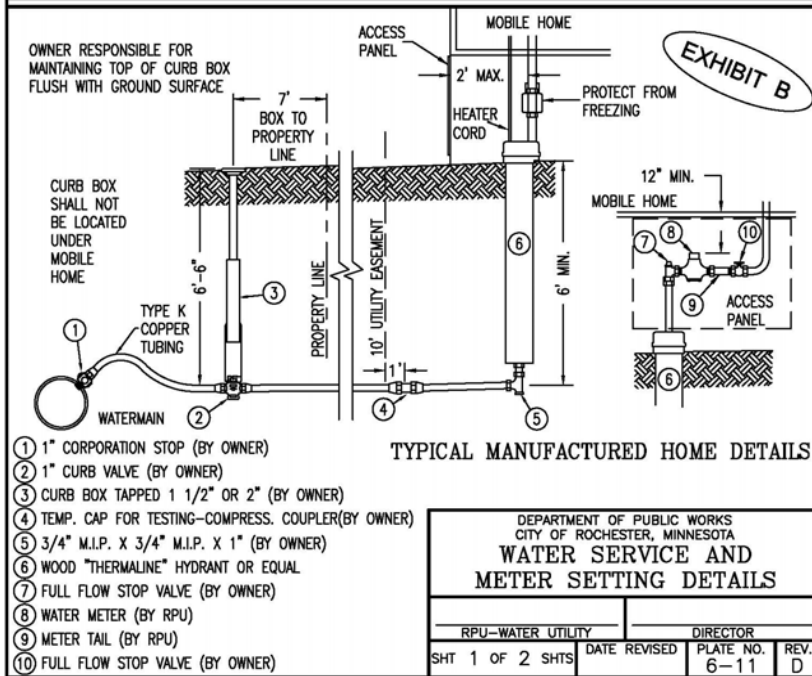
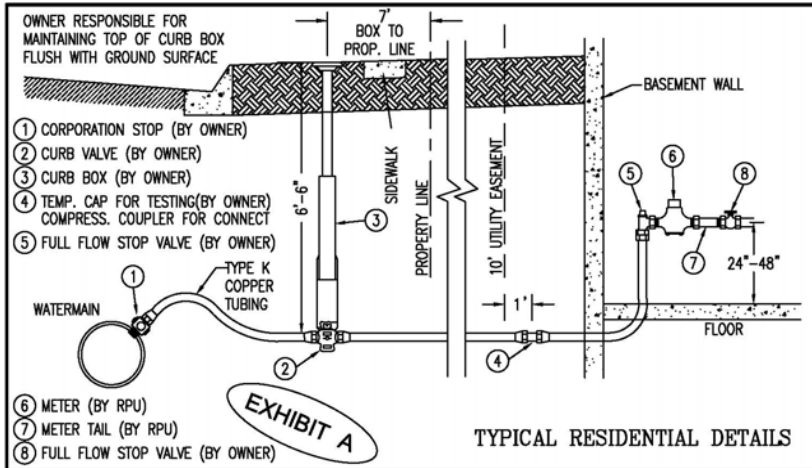
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Note: Exhibits shown (except Exhibits I and J) are Detail Plates from the City of Rochester “Standards for Street and Utility Construction”. The Exhibits are provided for general information, and may not be current. Copies of current Detail Plates 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.

EXHIBITS A and B

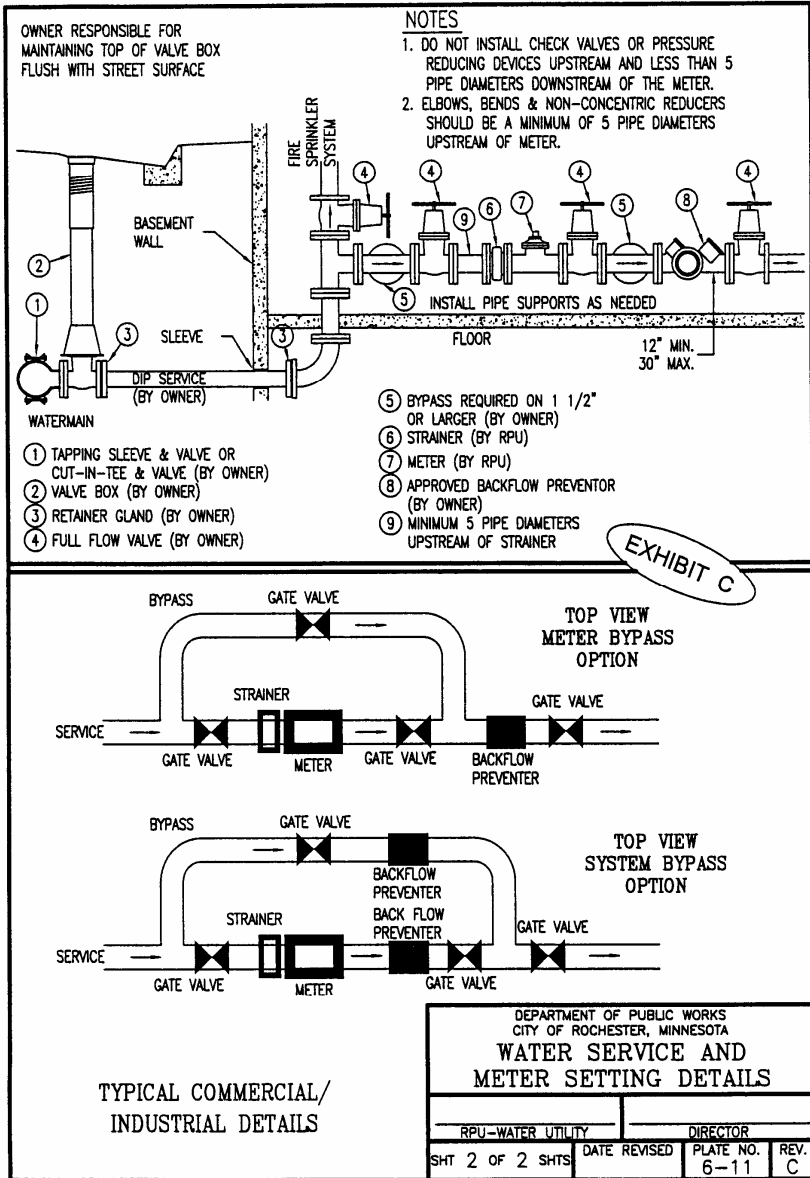


DEPARTMENT OF PUBLIC WORKS
CITY OF ROCHESTER, MINNESOTA

**WATER SERVICE AND
METER SETTING DETAILS**

RPU-WATER UTILITY	DIRECTOR		
SHT 1 OF 2 SHTS	DATE REVISED	PLATE NO.	REV.
		6-11	D

EXHIBIT C



EXHIBITS D and E

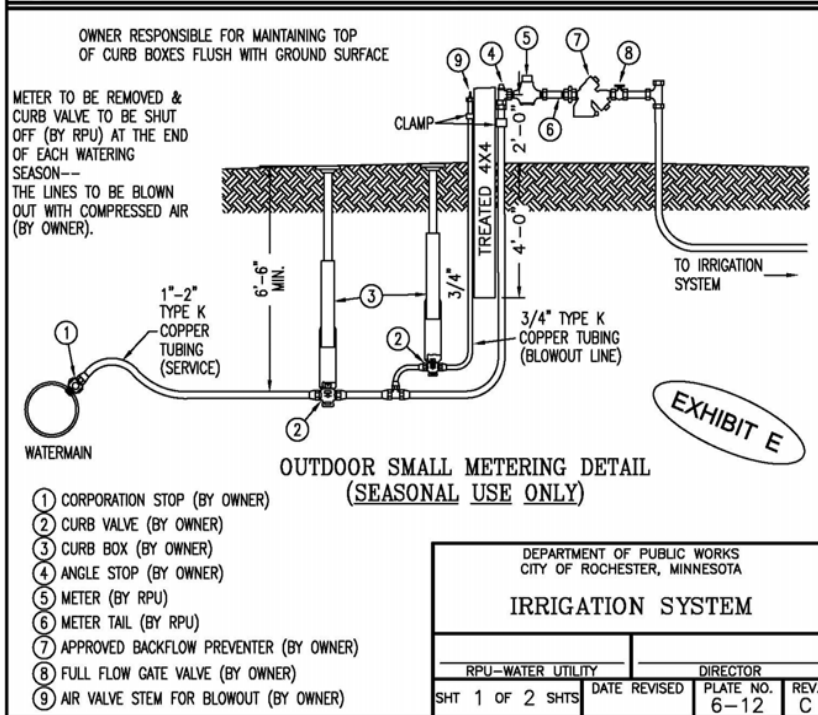
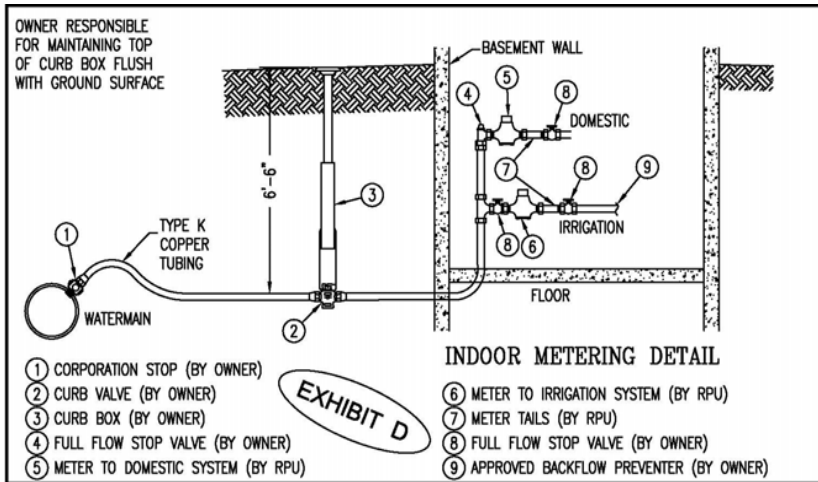


EXHIBIT F

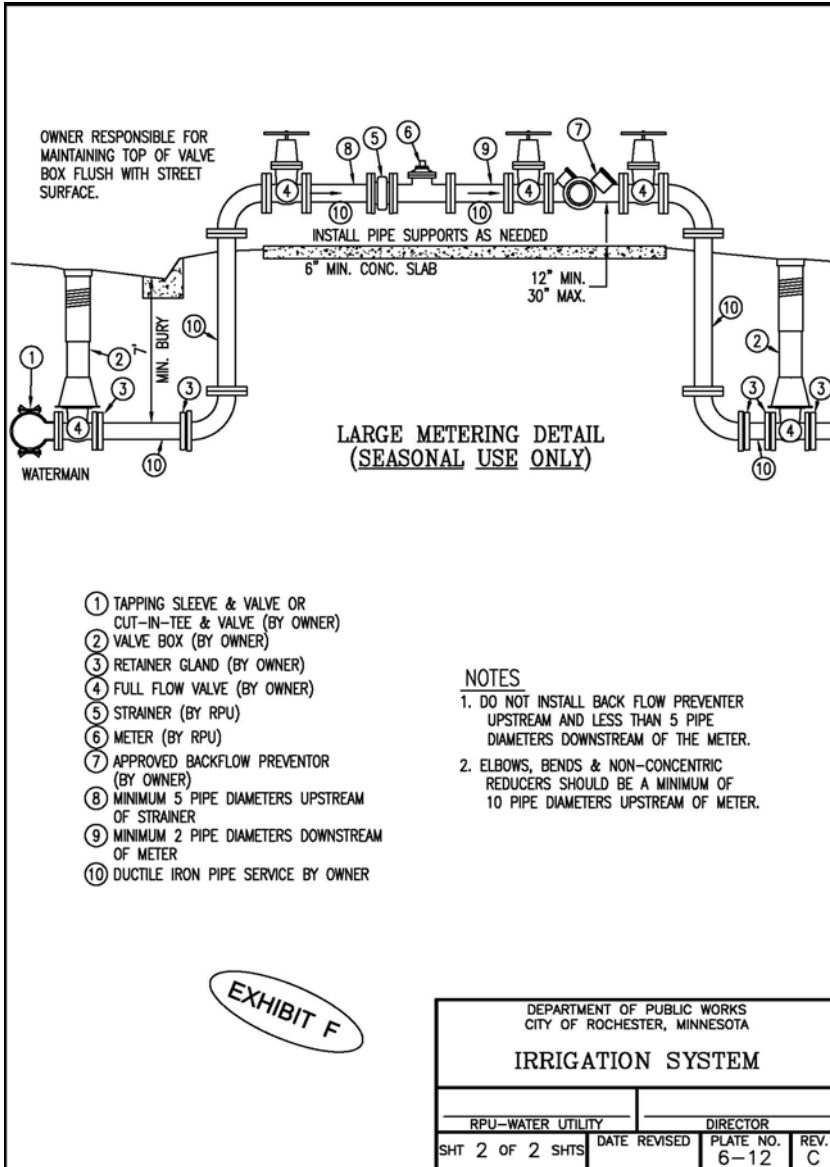
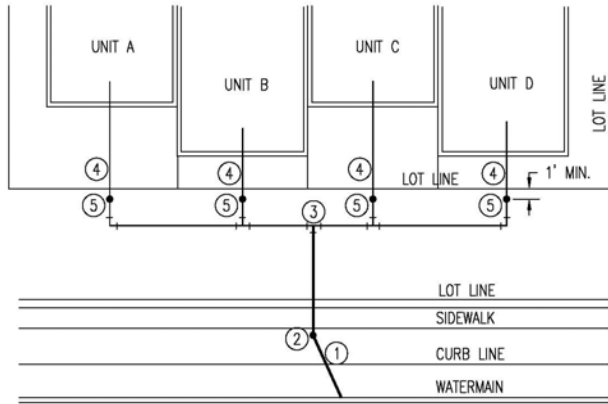


EXHIBIT F

EXHIBIT G



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

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.

EXHIBIT G

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
ALTERNATE SERVICE LAYOUT FOR MULTIPLE-UNIT BUILDINGS			
RPU-WATER UTILITY		DIRECTOR	
SHT 1 OF 1 SHTS	DATE REVISED	PLATE NO. 6-13	REV. C

EXHIBIT H

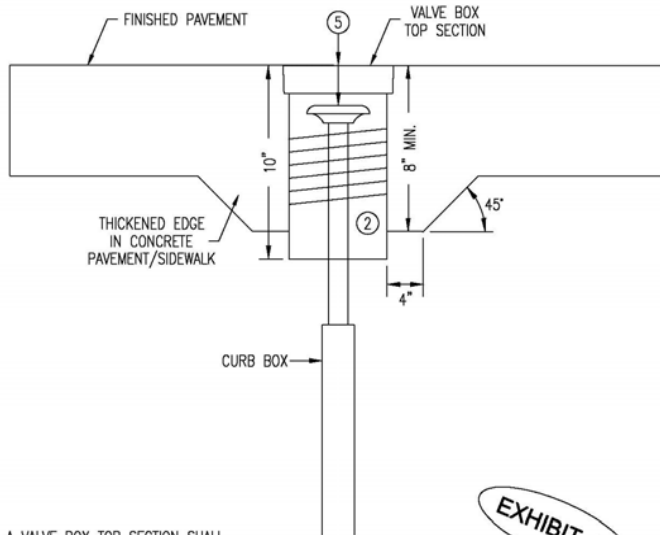


EXHIBIT H

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#145462.
- 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			
CURB BOX COVER			
ASST. CITY ENGINEER		DIRECTOR	
SHT 1 OF 1 SHTS	DATE REVISED	PLATE NO.	REV.
		1-09	B

EXHIBIT I

ALLOWABLE WATER SERVICE PIPE MATERIALS

<u>Diameter</u>	<u>Material</u>
¾"	Type K Copper
1"	"
1 ¼"	"
1 ½"	"
2"	"
4"	Ductile Iron
6"	"
8"	"
10"	"
12"	"

Note 1—Polyethylene water service pipe meeting the following specifications will be permitted as a substitute for copper water pipe only for the below-stated applications and only with written Water Utility approval prior to installation. Required polyethylene pipe diameter for each such service will be determined by the Water Utility. (Upsizing from copper will be likely due to the increased polyethylene pipe wall thickness.)

- 1) Materials. Pipe shall be new, meeting requirements of the latest revision of AWWA C901 "Standard for Polyethylene Pressure Pipe and Tubing, ½" Through 3" for Water Service", PE3408 material conforming to ASTM D2737, 200 psi pressure rating, copper tube OD-sized with DR 9 outside diameter ratios, meeting portability requirements of NSF 61, and factory supplied in blue-color. Contractor shall provide affidavit of compliance with these specifications to include name of pipe manufacturer.
- 2) Allowable Polyethylene Water Service Pipe Applications. (All 2" and smaller water service lines within the street right-of-way shall to be Type K copper.)
 - i. That portion of a new water service line extending as one-piece from the curb stop or the end of the in-place copper water service stub-out to the inside of the building served, only if the service extends more than 100' from the curb stop to the building being served.
 - ii. Portion of a replacement water service line extending one-piece from the existing curb stop to the building being served, only if the service extends more than 100' from the curb stop to the building being served.
 - iii. That installation of polyethylene pipe will not be permitted

where volatile organic materials are determined to be present in or near the water service line trench materials.

- 3) Fitting and Sleeving Requirements. Standard brass fittings as specified in the city of Rochester Standards for Street and Utility Construction, C150 "Service Connection Specifications", shall be used at the termination points of polyethylene water service pipe. A standard stainless steel stiffener shall be installed inside the polyethylene pipe at such joints. Polyethylene pipe is to be installed inside a Schedule 40 PVC sleeve where passing through a building wall or floor.
- 4) Service Tracer Wire Requirement. A continuous solid core #10 (blue colored) THHN insulated tracer wire shall be installed immediately above the entire length of the service to the curb stop (and into the building served), and permanently attached to the copper portion of the service line on the street end. The brass coupling nut is to be provided with a tapped bossed projection suitable for connection of the tracer wire.
- 5) Water Service Grounding Requirement. The water service within the building served shall be properly grounded as required by the National Electric Code.

EXHIBIT J

USE OF WATER FROM FIRE HYDRANTS IN THE CITY OF ROCHESTER

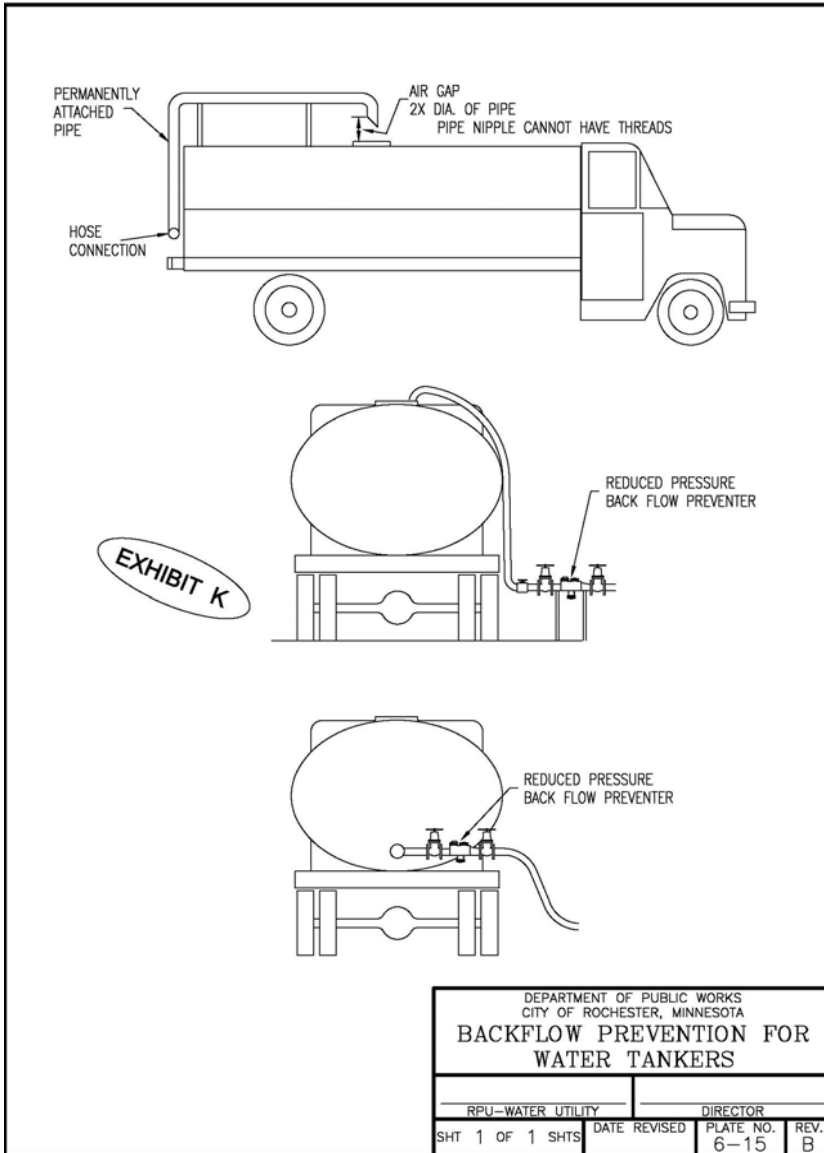
See Section 600 (Fire Hydrants) of these Rules for appropriate non-fire fighting use of fire hydrants. Temporary hydrant use permits will be issued for authorized use.

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

EXHIBIT K



PHONE NUMBERS

Metering Department	280.1565
Customer Service	800.778.3421
Bill Payment and Collections	280.1500
General Information	280.1540
Electrical Outage (24 Hours).....	280.9191
Water Outage	
8:00 a.m. to 5:00 p.m.	280.1500
5:00 p.m. to 8:00 a.m.	280.9191
Underground Location Assistance	
Gopher State One Call.....	1-800.252.1166
Fax.....	507.280.1642
Online Fax	507.280.1643

RPU SERVICE CENTER
4000 East River Road NE
Rochester, MN 55906-2813

www.rpu.org