



**WATER METER SIZING CALCULATION SHEET  
FOR NON-FIRE SERVICE WATER METERS**

**Calculation continued**

**Step 3 – Apply Pressure Adjustment Factor**

\_\_\_\_\_ kPa (\_\_\_\_\_ Psi) Pressure Factor From Table 4.1 = \_\_\_\_\_ (C)  
Customer Adjusted Peak Demand (B X C) = \_\_\_\_\_ usgpm (D)

**Step 4 – Add Underground Irrigation Demand**

<u>Underground Sprinklers</u>			<u>Sections (1 section = 100 ft<sup>2</sup>)</u>		
Spray Systems	_____ 1.16 _____	x	_____	=	_____ usgpm (E)
Rotary Systems	_____ 0.4 _____	x	_____	=	_____ usgpm (F)
Total Irrigation Flow (E + F)				=	_____ usgpm (G)

**Step 5 – Calculate Total Peak Demand**

Total Peak Demand (D + G) = \_\_\_\_\_ usgpm (H)

**Step 6 – Size and Select Water Meter (Refer to 3.1.2 of the Manual)**

Meter Selection

Water Meter Make: \_\_\_\_\_  
Water Meter Model: \_\_\_\_\_  
Water Meter Size (H < 90% of Water Meter Rated Peak Instantaneous Flow) = \_\_\_\_\_ mm (I)  
Water Meter Size (maximum allowable pressure drop of 48 kPa (7 Psi)) = \_\_\_\_\_ mm (J)  
  
Meter Size Calculated (greater of I or J) = \_\_\_\_\_ mm  
Indoor or Outdoor Installation = \_\_\_\_\_  
  
Water Service Connection Size (for information) = \_\_\_\_\_ mm

**Water Meter Sizing Certification**

Designer: \_\_\_\_\_  
Professional Engineer or Licensed Plumber (Print) (Signature)

Company: \_\_\_\_\_

Phone Number: (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

Comments:

Seal:

