EAST HANTS

WATER METER SIZING CALCULATION SHEET – Non-fire service water meters

Box 230, Suite 170, 15 Commerce Court, Elmsdale, NS B2S 3K5 **Phone:** (902) 883-2299 **Fax:** 1-888-684-5912 **Toll Free:** 1-866-758-2299 **easthants.ca**

Applicant, Customer & Premise Information

Date: ____________________ Building Permit Number: ____________________
Name: ____________________ Email: ____________________
Phone #: ____________________ Fax #: ____________________
Location/Address: ____________________

Property Identification # (PID): ____________________ Lot #: ____________________
Premise Use:
Type of Premise: ☐ Residential ☐ Multi-Unit Res. ☐ Industrial ☐ Commercial ☐ Institutional
Degree of Hazard ☐ Minor ☐ Moderate ☐ Severe ☐ Number of Multi-Units:

Calculation

Step 1 – Fixture Demand – Adjust fixture value as required for public, commercial, industrial and institutional uses. Attach calculation sheets. Use AWWA M22 Fixture Value Methodology.

Fixture	Fixture Value		Number of Fixtures		Fixture Units
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
			Combined Fixture Value Total	=	(A)

Step 2 – Calculate Customer Unadjusted Peak Demand

Customer Peak Demand extrapolated from Figure 4-2 of Figure 4-3 = ____________ L/m(B)

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Calculation (cont'd)

Step 3 – Apply Pressure Adjustment Factor

_____kPa (_____ Psi) Pressure Factor from table 4.1 = _____ (C)

Customer Adjusted Peak Demand (B x C) = _____ L/m (D)

Step 4 – Add Underground Irrigation Demand

Underground Sprinklers			Sections (1 section = 100ft^2)		
Spray System	1.16	X	_____	=	L/m (E)
Rotary Systems	0.4	X	_____	=	L/m (F)
			Total Irrigation Flow (E + F)	=	L/m (G)

Step 5 – Calculate Total Peak Demand

Total Peak Demand (D+G) = _____ L/m(H)

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

Meter Selection

Water Meter Make: Neptune

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 (7Psi) = _____ mm (J)

Meter Size Calculated (greater of I or J) = _____ mm

Indoor or Outdoor Installation = _____ mm

Water Service Connection Size (for information) = _____ mm

Designer: _____ _____

Professional Engineer or Licensed Plumber (Print) (Signature)

Seal:

Company: _____

Phone #: _____ Email: _____

Comments:

For Office Use Only: Sign-off confirms calculations have been reviewed

Reviewer: _____ Manager of Water & Wastewater Services: _____

_____ _____

(Signature) (Signature)

September 2026