



NOTE: IF METER SIZE IS REDUCED FROM THE INCOMING LINE SIZE, THE APPROPRIATE REDUCTION SHOULD TAKE PLACE AT POINT 'B'.

**ELEVATION**

STOP AND WASTE VALVES MUST BE SIZE OF INCOMING SERVICE

\*FOR TYPE AND MODEL OF BACKFLOW DEVICE REQUIRED CONTACT THE BACKFLOW UNIT AT (216) 664-3944.

\* APPROVED BACKFLOW ASSEMBLY INCLUDING (2) BRASS GATE VALVES

CONTACT LOCAL SEWER AUTHORITY FOR SEWER EXEMPTION INFORMATION OR PERMITS AND SALES AT 216-664-2444 FOR LOCAL SEWER AUTHORITY PHONE NUMBERS.

**STANDARD DETAILS**

DEPARTMENT OF PUBLIC UTILITIES

DIVISION OF WATER  
CLEVELAND, OHIO

SUBJECT: APPROVED INSIDE BUILDING

METER SETTINGS FOR 8", 1" METERS

FOR SEWER EXEMPTION, RESIDENTIAL ONLY.

DRAWN BY GSK  
DATE 8-3-1998

CHECKED BY MJS DATE 8-3-98

STD-M18



City of Cleveland

Jane L. Campbell, Mayor

Department of Public Utilities  
Division of Water  
1201 Lakeside Avenue  
Cleveland, Ohio 44114-1175  
(216) 664-2444  
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June 9, 2004



To: All Building Departments, Plumbing Contractors and Residential Customers

From: *JM* Jay Messner – Backflow Supervisor  
(216) 664-3944

Subject: Lawn Irrigation

The Cleveland Water Department is requiring ALL Lawn Irrigation Systems to be protected with a Pressure Vacuum Breaker or a Reduced Pressure Backflow assembly on all commercial and residential accounts.

All repairs and replacement will need to be upgraded.

Under Ohio Plumbing Code 608.16.5 - Connections to all Lawn Irrigation Systems.

Requirements for installing Back Flow assemblies:

Reduced Pressure Principle – Backflow Prevention Device

Standard Number ASSE 1013

Limitation – May not be installed in a pit (due to the possibility of flooding of the pit)

Pressure Vacuum Breaker

Standard Number ASSE 1020

Limitation - The Critical installation level is 12" above the highest down-stream use.

Requirements for testing:

1. upon installation
2. annually
3. upon repair

Testing must be performed by a person possessing a valid certificate of competence issued by the City of Cleveland, Division of Water.

Lawn Irrigation Systems: Suitable time of annual testing should be at start-up time of irrigation system.

**CAUTION:** These back flow assemblies maybe susceptible to freezing during 32° Fahrenheit or below.

JM: jc