

**APPENDIX A**

**PIPE PRESSURE TEST PROCEDURE For PVC & DI Pipe**

**A. PVC PIPE PRESSURE TEST PROCEDURE**

NAME OF DEVELOPMENT \_\_\_\_\_

INSPECTOR \_\_\_\_\_ DATE \_\_\_\_\_

New pipe and valve sections shall be subjected to a hydrostatic pressure of 150 p.s.i. Pressure at the point of testing with the test pressure not to vary by ± 5 p.s.i. and an uninterrupted duration of 2.0 hours minimum. No installation will be accepted if the leakage is greater than determined by the following formula:

A.W.W.A. Manual No. M-23 (PVC Pipe)      TIME STARTED: \_\_\_\_\_

$$L = \frac{NDvP}{7400}$$
      TIME FINISHED: \_\_\_\_\_

Where: L = Allowable Leakage (Gallons per Hour)  
N = Number of Joints in the Length of Pipe  
D = Nominal Diameter of Pipe (Inches)  
P = Average Test Pressure maintained during Leakage Test (Pounds per Square Inch - Gauge Reading)

Allowable L =  $\frac{(N \times D)}{7400} \times (v P) = \frac{(\quad)}{7400} = \underline{\quad}$  G.P.H.

**COMPUTATION OF ACTUAL LEAKAGE OR VOLUME**

1. Actual Rectangular Reservoir Volume = \_\_\_\_\_ Gallons

$$\frac{\text{Length}(\quad) \times \text{Width}(\quad) \times \text{Depth of Water Used}(\quad)}{1728 \text{ (cu-in)}} \times 7.48 = \underline{\quad}$$
 Gallons

2. Actual Circular Reservoir Volume = \_\_\_\_\_ Gallons

3.14 x Radius(\_\_\_\_)" x Radius(\_\_\_\_)" x Depth of Water Used(\_\_\_\_)"

= (\_\_\_\_) Cubic Inches x .004329 Cubic Inches per Gallon

= \_\_\_\_\_ Gallons

**Test passes if actual < allowable. Inspector \_\_\_\_\_ Date \_\_\_\_\_**

**Test fails if actual > allowable. Inspector \_\_\_\_\_ Date \_\_\_\_\_**

**APPENDIX A**

**PIPE PRESSURE TEST PROCEDURE For PVC & DI Pipe**

**B. DUCTILE IRON PIPE PRESSURE TEST PROCEDURE**

NAME OF DEVELOPMENT \_\_\_\_\_

INSPECTOR \_\_\_\_\_ DATE \_\_\_\_\_

New pipe and valve sections shall be subjected to a hydrostatic pressure of 150 p.s.i. Pressure at the point of testing with the test pressure not to vary by  $\pm 5$  p.s.i. and an uninterrupted duration of 2.0 hours minimum. No installation will be accepted if the leakage is greater than determined by the following formula:

A.W.W.A. C-600 (Ductile Iron Mains)      TIME STARTED: \_\_\_\_\_

$$L = \frac{SDv P}{133200}$$
      TIME FINISHED: \_\_\_\_\_

Where: L = Allowable Leakage (Gallons per Hour)  
S = Length of Pipe Tested (Feet)  
D = Nominal Diameter of Pipe (Inches)  
P = Average Test Pressure maintained during Leakage Test  
(Pounds per Square Inch - Gauge Reading)

Allowable L =  $\frac{(S \times D) \times (v P)}{133200} = \frac{(\quad)}{133200} = \quad$  G.P.H.

**COMPUTATION OF ACTUAL LEAKAGE OR VOLUME**

Actual Rectangular Reservoir Volume =

$$\frac{\text{Length}(\quad) \times \text{Width}(\quad) \times \text{Depth of Water Used}(\quad)}{1728 \text{ (cu-in)}} \times 7.48 = \quad \text{Gallons}$$

Actual Circular Reservoir Volume =

$$3.14 \times \text{Radius}(\quad) \times \text{Radius}(\quad) \times \text{Depth of Water Used}(\quad)$$

=  $(\quad)$  Cubic Inches  $\times .004329$  Cubic Inches per Gallon

= \_\_\_\_\_ Gallons

**Test passes if actual < allowable. Inspector \_\_\_\_\_ Date \_\_\_\_\_**

**Test fails if actual > allowable. Inspector \_\_\_\_\_ Date \_\_\_\_\_**