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

COMPUTATION OF ACTUAL LEAKAGE OR VOLUME

1. Actual Rectangular Reservoir Volume = _____ Gallons

$$\frac{\text{Length}(\quad)" \times \text{Width}(\quad)" \times \text{Depth of Water Used}(\quad)"}{1728 \text{ (cu-in)}} \times 7.48 =$$ _____ 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 ± 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 $L = \frac{(S \times D) \times (v\ P)}{133200} = \frac{(\quad)}{133200} =$ _____G.P.H.

COMPUTATION OF ACTUAL LEAKAGE OR VOLUME

Actual Rectangular Reservoir Volume =

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

Actual Circular Reservoir Volume =

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_____