

Water and Force Main Pressure Test Report (Ductile Iron Pipe)

Choose One:
 Water Main
 Force Main

Date: _____

Project Name: _____

Approval Number: _____ Location: _____

Starting Time of Test: _____ Starting Pressure (psi): _____ (150 psi min.)

Ending Time of Test: _____ Ending Pressure (psi): _____ (150 psi min.)

Duration of Test (Minutes): _____ (120 min.) Average Test Pressure (psi): _____

Computation for Allowable Leakage	Pipe Diameter				
	<i>(Use separate column for each pipe size)</i>				
	1	2	3	4	5
D = Diameter of tested pipe (inches)					
S = Length of tested pipe (feet)					
P = Average test pressure (psig)					
Allowable pipe leakage (gal/hr) $L = (S \cdot D \cdot (P^{1/2})) / 133,200$					
N = Number of closed valves in tested pipe					
Allowable valve leakage (gal / hr) $V = 0.0078 \cdot D \cdot N$					
Allowable Leakage (gal / hr) $T1 = L + V$					
Allowable Leakage (gallons) $T2 = 2 \cdot T1$					

Total Allowable Leakage equals Sum of Columns 1+2+3+4+5 = _____ gallons.

Measured Leakage = _____ gallons

The above test (does) / (does not) meet the requirements.

Remarks: _____

Test Witnessed By: Inspector: _____

Engineer: _____

Utility/ Contractor: _____

Return Form to: Environmental Engineering
 2090 E. Clower St.
 Bartow, FL 33830

October 15, 2007