

HYDROSTATIC TEST REPORT

Project: _____ Date: _____

Engineer of Record witness (print): _____

BSU Inspector (print): _____

Type of Line: Water Main Force Main

D_{1,2,3} = Nominal diameter of the pipe (inches): D₁: _____ D₂: _____ D₃: _____

L_{1,2,3} = Length of pipe section being tested (feet): L₁: _____ L₂: _____ L₃: _____

Required Test Pressure (psi): _____ (150 psi – Water Mains, 100 psi – Force Mains)

TEST

Start time: _____ Start pressure (psi): _____

Stop time: _____ Stop pressure (psi): _____

P = Average test pressure during the hydrostatic test (psi): _____

A = Amount of makeup water used (gallons / 2 hours): _____

Q = Q₁ + Q₂ + Q₃ = Allowable quantity of makeup water (gallons / hour):

$$Q = \frac{L_1 D_1 \sqrt{P}}{148,000} + \frac{L_2 D_2 \sqrt{P}}{148,000} + \frac{L_3 D_3 \sqrt{P}}{148,000} = \text{_____ (gallons / hour)}$$

$$Q \times 2 = \text{_____ (gallons / 2 hours)}$$

(A) < (Q x 2) → Pass (A) > (Q x 2) → Fail

Engineer of Record (signature): _____

BSU Inspector (signature): _____

(The BSU Inspector will not sign the form until all of the information has been properly completed)

EOR Seal

A **signed and sealed** copy of the completed form shall be submitted to BSU within one (1) week after the successful test. A copy of the form shall be required to be submitted with the turnover package.