



PROJECT NAME \_\_\_\_\_

**DEVELOPMENT INFORMATION**

NUMBER OF LOTS OR UNITS \_\_\_\_\_

MAXIMUM INSTANTANEOUS DEMAND, GPM (Per Ameen Method) \_\_\_\_\_

Required Fire Flow

- |                |   |           |
|----------------|---|-----------|
| STRUCTURE TYPE | <input type="checkbox"/> Residential (Single Family)              | 1,000 GPM |
|                | <input type="checkbox"/> Residential (Multi-Family) OR Commercial | 1,500 GPM |

The following need to be included in calculation submittal:

- Copy of Hydrant Flow test within last 12 months
- Drawing or schematic with pipe diameters and node elevations labeled matching calculations
- System conditions in calculations that accurately depict static and residual from hydrant flow test

**RESULTS SUMMARY**

Scenario 1: Pressure under conditions of maximum instantaneous demand OR flushing flow + peak hour flow (whichever is greater).

Pressure at worst case location: \_\_\_\_\_ (MIN 25 psi)

Maximum velocity: \_\_\_\_\_ (MAX 10 ft/s)

Scenario 2a: Pressure under conditions of 1/5 Max Instantaneous Demand + Required Fire Flow indicated above.

Pressure at worst case location: \_\_\_\_\_ (MIN 20 psi)

Maximum velocity: \_\_\_\_\_ (MAX 10 ft/s)

Scenario 2b: If pressure in scenario 2a is below 20 psi, provide pressure under conditions of 1/5 Max Instantaneous Demand + 500 gpm. Greenville Water shall determine if system improvements need to be made to increase capacity.

Pressure at worst case location: \_\_\_\_\_ (MIN 20 psi)

Maximum velocity: \_\_\_\_\_ (MAX 10 ft/s)