City of Bremerton
Fire Sprinkler Flow Test Report
(See instructions on following page)

Date: _____ Testing Company: _____

Name of Tester: _____ Phone Number: _____
Print Name

Site Address: _____

Location of Flow Hydrant: _____

Static Pressure @ Flow Hydrant _____ psi Pitot Reading During Flow: _____ psi
1st port

Pitot Reading During Flow: _____ psi
2nd port (if req'd)

Orifice size: _____ inches Co-efficient: _____ Flow: _____ gpm
1st port

Orifice size: _____ inches Co-efficient: _____ Flow: _____ gpm
2nd port (if req'd)

Location of Critical Hydrant (from City Water Model): _____

Static Pressure @ Critical Hydrant: _____ psi Residual Pressure: _____ psi

Location of Test Hydrant: _____

Static Pressure @ Test Hydrant: _____ psi Residual Pressure: _____ psi

Calculated Fire Flow Available (if known): _____ gpm

City of Bremerton Employee who witnessed test: _____
Print Name

_____
Signature

Remarks:_____

_____

_____

_____

_____

_____

A flow test is required within 180 days for **ALL** sprinkler permit submittals.

INSTRUCTIONS

1. Prior to the final design of a fire sprinkler system, the system designer must request fireflow modeling results from the City of Bremerton Engineering Department at (360) 473-5270. The fireflow results will be provided and will identify both the fireflow available and the critical area in the water system which had a residual pressure of 20 psi. **The modeling results shall not be used for design purposes.**

2. Once the model results have been provided, the system designer may schedule an on-site fireflow test with Water Maintenance at (360) 473-5920.

3. The system designer must provide all flow test equipment, gauges, and adapters necessary to conduct the fire flow test.

4. Water Maintenance staff will assist in operating all fire hydrants and monitoring of gauges. Upon completion of the test the Water Maintenance staff will ensure that the system is flushed adequately to minimize any impacts to City of Bremerton customers.

5. During the test it is important obtain the residual pressure from a hydrant as close as possible to the critical location identified by the modeling results. It is also important to obtain the static pressure at both the flow hydrant and the residual hydrant. This will serve to validate the model results. Be sure to flow adequate volume to provide a valid flow curve.

6. If a fire flow test is requested in an area that is downstream of a pressure reducing valve or where the fire flow is provided by fire pumps, the fireflow test may not accurately reflect the fireflow available. In this case additional coordination with the Engineering Department is required to properly evaluate the available fire flow and most appropriate way to conduct the flow test.

7. The form must be accompanied by the calculated results. These results must be presented in the form of a plotted curve with the flow rate available corresponding with a 20 psi residual clearly identified. An example form is provided on the following page.

8. **This form and the results must be submitted to the Fire Marshal within 7 days of performing the test**. **This form must also be provided as part of the final sprinkler permit submittal. It may be sent by mail, fax, or email. Please refer to the contact information below.**

Send form to: Captain Mike Six, Fire Marshal
City of Bremerton Fire Department
911 Park Avenue
Bremerton, WA 98337
(360) 473-5386
(360) 473-5397 fax

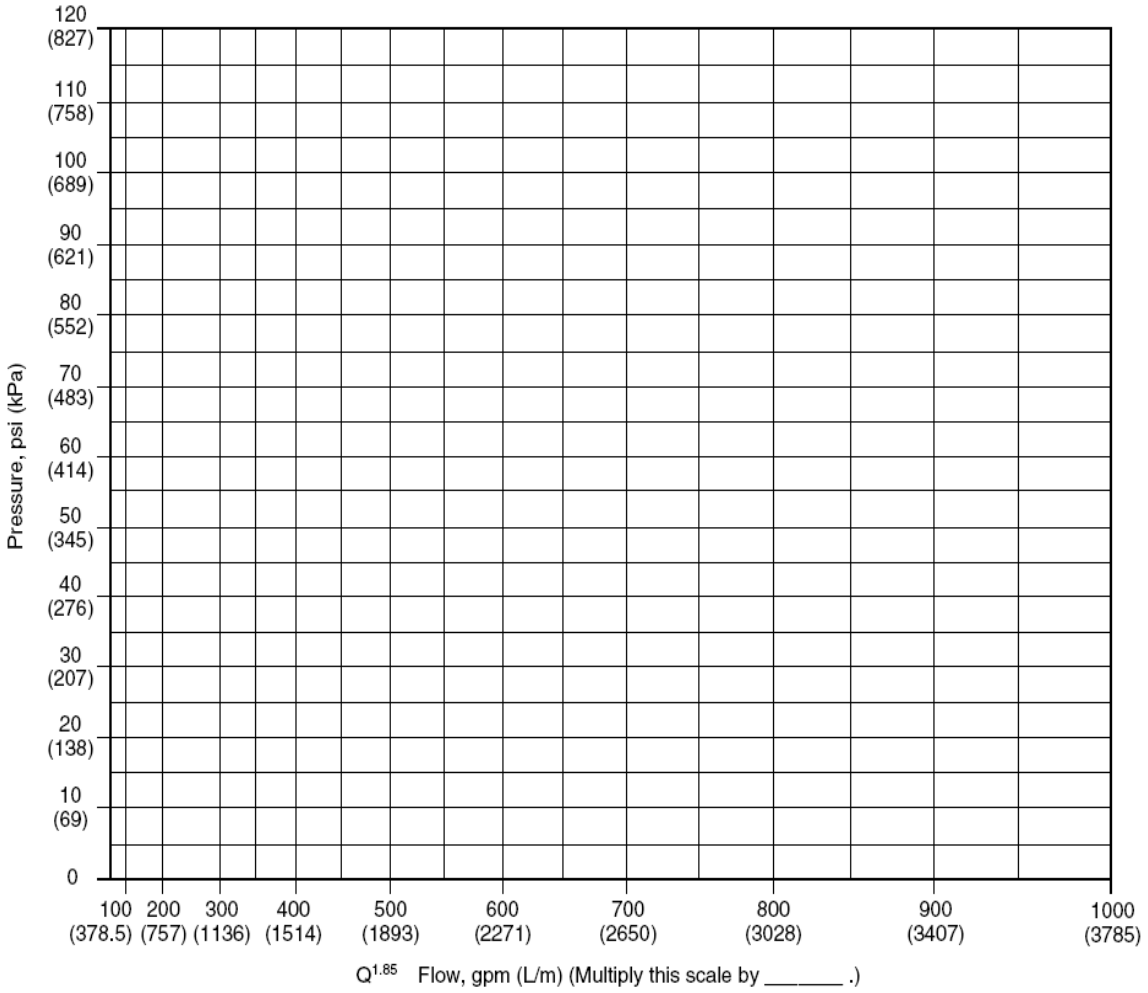
Or email to: Michael.Six@ci.bremerton.wa.us

EXAMPLE

Project Name _____

Date _____ **Inspector** _____

System _____



Notes _____