



WATER SYSTEM PRESSURE REQUEST FOR FIRE SPRINKLER PROTECTION SYSTEMS



ALLOW UP TO THREE (3) BUSINESS DAYS TO PROCESS REQUEST

Park City Municipal Corporation, City Engineering Department, 445 Marsac Ave/PO Box 1480, Park City, UT 84060
Attn: melanie.jackson@parkcity.org, ph:435.615.5057 (permit can be found on-line at www.parkcity.org)

REQUIRED PROJECT INFORMATION

TODAY'S DATE:	PROJECT ADDRESS/LOCATION:		
FIRE SPRINKLER SYSTEM DESIGNER:	MAILING ADDRESS:		
EMAIL ADDRESS:	PHONE #:		
CHECK THE PROJECT TYPE: RESIDENTIAL: <input type="checkbox"/> COMMERCIAL: <input type="checkbox"/> MULTIFAMILY: <input type="checkbox"/>			

FIRE SPRINKLER DESIGNER'S RESPONSIBILITY AND ACKNOWLEDGEMENT

Fire sprinkler protection systems require site specific design and approval by the City Engineer, Park City Building Department, Water Department, and Fire Marshal. Water system pressure is provided for informational purposes only. Fire sprinkler protection design and integration of the provided water system pressure information, to meet project specific requirements, is the responsibility of the fire sprinkler protection system designer. Additionally the designer is responsible to:

- Meet all applicable requirements, codes, and regulations
- Determine the fire line or water service line sizing required to meet the fire protection design (as required to meet total demands including indoor, irrigation, fire flow, and service line/meter losses) and verify suitability of existing water service line sizing or provide upgrade requirements.
- Confirm that field verified pressures meet fire sprinkler design requirements
- Comply with Building and Engineering Departments design approval processes
- Park City Municipal Water is only obligated to provide 20 psi water pressure in the water system during conditions of fire flow and fire demand during peak day demand per Utah Administrative Code R309-105-9.

Fire sprinkler system booster pumps: Fire sprinkler protection systems shall be designed without the use of booster pumps. Where special conditions exist and fire sprinkler system booster pumps, integral to the fire sprinkler piping, are required to meet fire sprinkler design requirements, the site specific conditions and use booster pumps are subject to approval by the City Engineer, Fire Marshal, and Building Department and may be subject to special conditions (such as provision of an emergency generator). Individual home booster pumps are not allowed as indicated in R309-540-5(4)(c).

I acknowledge the fire sprinkler designer's responsibility and understand that if the flow information or connection location differs from the final design, the water system pressure information provided by the City may not be valid.

Print Name: _____ Signature: _____ Date: _____

WATER SYSTEM PRESSURE BASIS

Water system pressures provided by Park City Water are based on the following conditions:

- Current water system modeling (actual pressure is not field verified)
- System pressure on peak day summer demands
- Static pressure in the water main at the building's water service connection
- A 20% reduction from the modeled pressure may be included in the pressure provided as an allowance for water system operational variations and long-term system changes and degradation

OFFICE USE ONLY

REQUEST REVIEWED BY BUILDING DEPT. ON: _____	DAY OF	20	BY:	
REQUEST REVIEWED BY ENGINEERING DEPT. ON: _____	DAY OF	20	BY:	
NO FLOW PRESSURE:	PSI @	<u>1</u>	GPM	
RESIDUAL PRESSURE:	PSI @	<u>200</u>	GPM	
REQUEST RETURNED BY PARK CITY WATER DEPT. ON: _____	DAY OF	20	BY:	