



Public Works Department
ENGINEERING DIVISION

FIRE FLOW REQUEST FORM

DATE RECIEVED:

APPLICANT:		PHONE #:	
MAILING ADDRESS:		PROJECT NAME:	
EMAIL ADDRESS:		FAX NUMBER:	
PROJECT LOCATION:		PROPERTY ELEVATION:	

ADDRESS/LOCATION OF FIRE FLOW INFORMATION: HYDRANT #, CROSS STREETS

ENGINEER SIGNATURE:	DATE:
SPRINKLER SDESIGNER SIGNATURE:	DATE:
*OWNER SIGNATURE:	DATE:

*OWNER SIGNATURE REQUIRED IF DATA FOR SPRINKLER DESIGN

NOTE: All information above must be included by the applicant for the request to be processed.

Please be aware that this information is from a flow test and pressures may fluctuate during the normal operation of the water system. In addition to normal operating pressure fluctuation, the City may change pressure zones in order to better operate the water system.

All fire sprinkler systems are required to be designed at 90% of the maximum operating pressure and a pressure relief valve installed to protect the system from pressure surges. The City of Helena may move the existing Low Malben Pressure Zone to the maximum service elevation of 4009 feet and create the new Valley Pressure Zone to the maximum service elevation of 3819 feet. Any system with a ground elevation that falls within the changing or new pressure zone, must be designed with the calculated design pressure received from the City Engineering Department. Please see the Fire Pressure Zone Map. These requirements will take affect for any system reviewed by the City Fire Marshal after July 1, 2007. A completed copy of this form shall accompany sprinkler system plans submitted to the City of Helena Fire Marshal.

Any system that is located within the changing zone or new pressure zone may delay the installation of the fire pump until the change takes place as long the new system is designed with calculated design pressure received by the City Engineering Department. The owner's signature is required below and a copy of this signed request is to be submitted to the City of Helena Fire Marshall and on file with the City of Helena Building Division prior to receiving occupancy.

PROCESSED BY:		DATE:	
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FOR CITY OF HELENA OFFICE USE ONLY

DATE:

EXISTING PRESSURE ZONE		FUTURE PRESSURE ZONE	
Is the Pressure Zone anticipated to change in the future?		YES	NO
CALCULATED SITE PRESSURE(psi)		Calculated New Design Static Pressure (psi):	
<i>(Only used for sites that may change pressure zones)</i>			

TEST DATE:

HYDRANT #		HYDRANT LOCATION:	
STATIC PRESSURE(psi)		RESIDUAL PRESSURE (psi):	
RESIDUAL FLOW RATE(gpm)		FIRE FLOW (HAZEN-WILLIAMS) (gpm)	

TEST DATE:

HYDRANT #		HYDRANT LOCATION:	
STATIC PRESSURE(psi)		RESIDUAL PRESSURE (psi):	
RESIDUAL FLOW RATE(gpm)		FIRE FLOW (HAZEN-WILLIAMS) (gpm)	

TEST DATE:

HYDRANT #		HYDRANT LOCATION:	
STATIC PRESSURE(psi)		RESIDUAL PRESSURE (psi):	
RESIDUAL FLOW RATE(gpm)		FIRE FLOW (HAZEN-WILLIAMS) (gpm)	



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STATIC PRESSURE(psi)

RESIDUAL PRESSURE (psi):

RESIDUAL FLOW RATE(gpm)

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TEST DATE:

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HYDRANT
LOCATION:

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RESIDUAL PRESSURE (psi):

RESIDUAL FLOW RATE(gpm)

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TEST DATE:

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HYDRANT
LOCATION:

STATIC PRESSURE(psi)

RESIDUAL PRESSURE (psi):

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TEST DATE:

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LOCATION:

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RESIDUAL PRESSURE (psi):

RESIDUAL FLOW RATE(gpm)

FIRE FLOW (HAZEN-WILLIAMS) (gpm)