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**MODEL FIRE FLOW – 8 TOWN SQUARE; APN 906-080-039/-040; GRID 100050; ID MURRIETA; PRESSURE ZONE 1280**

Due to site and drainage constraints or drought conditions, empirical fire flow data could not be obtained for the subject location. Theoretical fire flow rates and pressures in this area were evaluated by using Western Municipal Water District's (Western Water) hydraulic model.

At the subject location A the model results suggest a maximum static pressure of 66 psi based on ground elevation of 1,115 feet. The residual pressure for fire flow not less than 1,500 gpm is 60 psi from the nearest super fire hydrant located at the northeast corner of assessor parcel number 906-080-039 as shown on the attached exhibit.

Under Western Water's design criteria, the flow in an 12-inch diameter pipeline in this location must be limited to 2,642 gpm. Any flow exceeding this flow rate may result in existing pipeline damage. Based on Western Water's existing pipeline, as is, Western Water can provide the required fire flow rate of 1,500 gpm.

At the subject location B the model results suggest a maximum static pressure of 65 psi based on ground elevation of 1,117 feet. The residual pressure for fire flow not less than 1,500 gpm is 59 psi from the nearest super fire hydrant located at the northwest corner of assessor parcel number 906-080-040 as shown on the attached exhibit.

Under Western Water's design criteria, the flow in an 12-inch diameter pipeline in this location must be limited to 2,642 gpm. Any flow exceeding this flow rate may result in existing pipeline damage. Based on Western Water's existing pipeline, as is, Western Water can provide the required fire flow rate of 1,500 gpm.

Please be advised the hydraulic data provided are estimates based on various assumptions that may or may not occur. The design engineer should use sound judgment to apply this information.



If you have any questions, please contact Development Services at (951) 571-7100 or email us at [development@wmwd.com](mailto:development@wmwd.com).



TERI PATTON  
Development Services Supervisor

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Attachment(s): Western Water GIS Fire Flow Model Exhibit



## Western Water GIS Fire Flow Model Exhibit



### Legend

- Potable Pressure Reducers
- Potable Production Wells
- Potable Tanks
- Potable Air Release
- Potable Network Structures
  - AccessManhole
  - FlowMeter
  - SurgeTank
  - TreatmentPlant
- Potable Fittings
  - Cross
  - DeadEnd
  - Elbow
  - PipeChange
  - Reducer
  - Riser
  - Saddle
  - Tee
  - Wye
- Potable Fire Hydrants
  - Standard
  - Super
  - Wharf
- Potable Hydrant Valves
- Potable Blowoffs
- Potable Motors

### Notes

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

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