



PROSPER FIRE RESCUE

FIRE MARSHAL'S OFFICE

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Procedures for Testing & Flowing Fire Hydrants

The following are the minimum requirements for flowing fire hydrants to obtain water supply information for the calculation of sprinkler suppression systems. This information is extracted from NFPA 291-2016 for the Recommended Practice for Fire Flow Testing and Marking of Hydrants as interpreted by the Prosper Fire Marshal's office.

The contractor shall:

- Identify the residual hydrant to be utilized to verify and record water pressures
- Identify the hydrants to be utilized for water flow
- Provide all necessary manpower to perform this test (1) @ the residual hydrant and (1) @ each of the flowing hydrants
- Open a minimum number of outlets until the desired water flow is achieved
- To obtain satisfactory test results of theoretical calculation of expected flows or rated capacities, sufficient discharge should be achieved to cause a drop in pressure at the residual hydrant of at least 25% (percent) or to flow the total demand necessary for fire-fighting purposes.
- Provide all necessary equipment to perform this test
- Provide 5" Storz caps for all hydrants to be utilized during testing
- Provide all necessary calibration certification in the form of a valid testing certificate or valid certification sticker on all testing equipment from a certified testing facility and/or the manufacturer
- Ensure all equipment is free of leakage and/damage
- Record all performance information as witnessed by a representative from the Prosper Fire Marshal's office
- Transcribe all information to a hydrant site map drawing showing hydrant locations and performance information in relations to the structure and submit to the Prosper Fire Marshal's office for recording & filing
- Submit Flow Graph(s) to the Prosper Fire Marshal's office for recording & filing

Failure to comply with any of the above will result in a failed inspection and a \$ 150.00 re-inspection fee shall apply.

Failure to provide the required documentation for recording and filing by the Prosper FMO will result in an invalid test and any sprinkler suppression system submittals will be rejected accordingly.

If you have questions or require further information please do not hesitate to contact the Prosper Fire Marshal's Office @ fire.inspections@prosperfire.com