



## Hydrant Systems

The NSW fire brigade must have access to a hydrant system when a building is greater than 500m<sup>2</sup>.

In most cases buildings that are greater than 500m<sup>2</sup> are protected by public street hydrants and DO NOT require a dedicated hydrant system.

*Don't be a developer or builder that installs a hydrant system on a property that is not required, wasting tens of thousands of dollars.*

However when a building is greater than 500m<sup>2</sup>, is more than 90 metres from the nearest street hydrant and/or the minimum water flow and pressure rates are less than minimum requirements, an independent system must be installed on the property.

Hydrant systems are designed to provide the required water supply rates to the fire brigade appliances. If a fire hydrant system is required to be installed on the property, Survival Solutions can provide a range of design, installation and maintenance services to ensure compliance with AS 2419.1 and AS 1851.4.

A buildings height and size will determine the number landing valves and type of mechanical pump required. Both hydrant boosters and standpipes are required to be located at least 10 metres from the building unless they are protected by fire rated walls. Hydrants and standpipes should be fitted with Storz fittings and caps for quick fire brigade connection.

### Block Plans

A weather resistant block plan is required to be installed in accordance with AS 2419.1 near the hydrant booster or water supply, which contains a basic building plan, booster and landing valve locations, height, pressure and flow rates of the most disadvantaged landing valve.

The routine inspection and testing of hydrant systems can be required on weekly, monthly and annual basis and include flow testing and diesel pump service. It is extremely important to ensure the correct annual testing and inspection routine is followed to prevent and minimise the risk of equipment failure, particularly in times of need.