



## Brandon Fire and Emergency Services

### **Water Supply for Fire-Fighting Purposes – Areas not connected to the City of Brandon Water Grid Regulation - “P21”**

*The following Regulation is in accordance with the City of Brandon’s Fire Prevention By-Law #7200*

This regulation identifies a method of determining the minimum requirements for alternative water supplies for structural fire-fighting purposes in areas where the Brandon Fire and Emergency Services (Authority Having Jurisdiction) determines that adequate and reliable water supply systems for firefighting purposes do not otherwise exist.

Article 3.2.5.7 of the Manitoba Building Code requires that “an adequate supply of water for firefighting shall be provided for every building”.

An adequate and reliable municipal-type water supply is one that is sufficient every day of the year to control and extinguish anticipated fires in the municipality, particular building or building group.

- All Assembly – A2 / High Hazard F1 Occupancies, and any building that is greater than three (3) story’s in height or greater than 600 m<sup>2</sup> in area shall have an adequate water supply for fire-fighting as per N.F.P.A 1142 – “Water Supplies for Suburban and Rural Fire Fighting.
- All Residential subdivision that includes 5 or more homes shall have an adequate water supply for fire-fighting as per N.F.P.A 1142 – “Water Supplies for Suburban and Rural Fire Fighting.
- It is the responsibility of the owner’s professional designer/ engineer to determine the amount of water that is required for firefighting.
- If a water supply is to be shared by one or more buildings/properties the amount of water supply shall be sufficient to protect the largest/most hazardous property.

As per N.F.P.A 1142 – “Water Supplies for Suburban and Rural Fire Fighting” water may be provided by the installation of underground tanks or retention ponds. Requirements for installation of underground tanks/ retention ponds include the following:

1. All work shall be completed under a Building Permit issued by the Planning, Property and Buildings Department (204) 729-2110.
2. Drawing details of the installation shall be provided and sealed by a professional engineer/ architect.
3. At the completion of the installation, a site review shall be completed by a professional engineer/ architect approved by the Planning, Property and Buildings Department. The size of the tank/ retention pond shall be calculated, based on lowest winter levels or drought conditions.

***Dry Hydrants for Underground Tanks and Retention Ponds*** shall be installed to NFPA 1142 requirements.

- Refer to the Planning, Property and Buildings Department for specifications.
- Required servicing refer to “Fire Hydrant/ Fire Department Connection Regulation 20”.

Once the installation is complete, Brandon Fire & Emergency Services-Prevention Division should be informed so fire crews can attend the site.

**Brandon Fire and Emergency Services reserves the right to require more than the minimum standard of NFPA 1142. Water supply must meet the requirements of the capabilities of the Fire Apparatus/ Pumpers used by Brandon Fire and Emergency Services.**