



TOLEDO FIRE & RESCUE DEPARTMENT

FIRE PREVENTION BUREAU

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UNDERGROUND FIRE SERVICE MAIN INSPECTION- HYDRO TEST

- Approved plans, manufacturers installation instructions and product information shall be available on site for use by the inspector. **OBC 107.7**
- The contractor performing the work must be licensed by the State of Ohio and registered in the City of Toledo as a Fire Protection Company Class A. **OFC 916/ TMC 1512**
- All individuals installing, testing or maintaining underground fire service piping must be licensed by the State of Ohio. **OFC 916/ TMC 1512**
 - EXCEPTION:** EXCAVATION AND EARTH MOVING EQUIPMENT OPERATORS ARE NOT REQUIRED TO BE CERTIFIED IN THIS CATEGORY *PROVIDED THE WORK THEY PERFORM MEETS THE REQUIREMENTS OF NFPA 22 AND 24 AND IS CONDUCTED UNDER THE DIRECT SUPERVISION AND ACTIVE DIRECTION OF AN INDIVIDUAL CERTIFIED IN THIS CATEGORY WHO REMAINS ON SITE WHILE WORK IS PERFORMED.*
- Ensure there are no closed valves between the gauge and the portion of the system being tested. **NFPA 13/24 10.10.2.2.1**
- All piping and attached appurtenances subjected to system working pressure shall be hydraulically tested at gauge pressure of 200psi or 50psi above working pressure, whichever is greater, and shall maintain that pressure (within 5%) for a minimum 2 hours. **NFPA 13/24 10.10.2.2.1**
- Pressure loss shall be determined by a drop in gauge pressure or by visual leakage. **NFPA 13/24 10.10.2.2.2**
- Where additional water is added to maintain system pressure, the amount of water added shall be measured and shall not exceed the limits established in **NFPA 13 Table 10.10.2.2.4**

A NFPA "Contractor's Material and Test Certificate for Underground Piping" is required for final approval of the underground installation. **NFPA 13/24 10.10.1**

All Hydrants and Control Valves shall be fully opened and closed under system water pressure to ensure proper operation. **NFPA 13/24 10.10.2.4**