



TOLEDO FIRE & RESCUE DEPARTMENT

FIRE PREVENTION BUREAU

ONE GOVERNMENT CENTER, STE. 1710
TOLEDO, OH 43604-2209
WWW.TOLEDOFIRERESCUE.COM
419-245-1140

UNDERGROUND FIRE SERVICE MAIN INSPECTION- FLUSH

- 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 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.*
- Work completed should match approved site utility plans. **OBC 108.5**
- *Underground flushing procedure is as follows: NFPA 13 Table 10.10.2.1.3*
 - 4" = 390 GPM One 2 ½" hose line or full 4" flush
 - 6" = 880 GPM Two 2 ½" hose lines
 - 8" = 1560 GPM Three 2 ½" hose lines**LARGER THAN 8" CONTACT THE FIRE PREVENTION BUREAU**
- Hose(s) for flushing must be adequately sized. **NFPA 13/24 10.10.2.1**
- Hose(s) for flushing must be adequately anchored. **NFPA 13/24 10.10.2.1** Water main valves to be fully opened for flush. If inadequate flow is evident during the flush, it may be necessary to verify all valves are open. **NFPA 13/24 10.10.2.1**
- Water should appear to flow smoothly without evidence of possible obstructions. Check burlap bags for stones, rocks or other material. **NFPA 13/24 10.10.2.1.2**
- Flushing operation shall continue until water flow is clear and verified to be free of debris. **NFPA 13/24 10.10.2.1.2**
- The minimum rate of flow shall be in accordance with Table 10.10.2.1.3 **NFPA 13/24 10.10.2.1.3**
- Where the flow rates established in Table 10.10.2.1.3 are not attainable, the maximum flow available to the system shall be acceptable. **NFPA 13 10.10.2.1.3.1**

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