



Newton County Fire Prevention Bureau
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UNDERGROUND PIPE INSPECTION PROCEDURES

1. Underground piping inspections shall be requested by the contractor no less than 48 hours prior to the actual inspection.
2. The approved set of plans shall be on site. Failure to have the approved set of plans on site at the time of the inspection shall result in automatic failure of the inspection and a re inspection fee will be assessed.
3. All joints, bends, valves, etc. shall be left uncovered for the inspection.
4. Items to be inspected:
 - a. Pipe must be 1'-0" below the frost line. With a minimum of 3 feet of cover.
 - b. The pipe shall not run under buildings (Maximum of 5 feet for the stub in for the riser).
 - c. Pipe ends shall not be left open.
 - d. All bolted joints shall be cleaned and thoroughly coated with asphalt or other corrosion-retardant material after installation. Joints and bolts shall not be incased in concrete.
 - e. PIV and applicable pipe
 - f. FDC and applicable pipe
 - g. Hydrants
 - h. All tees, plugs, caps, bends, and hydrant branches shall be restrained against movements (Thrust blocks must be visible). * See notes below
 - i. Properly completed Contractor's Material and Test Certificate for Private Fire Service Mains (Underground Test Certificate per NFPA 24).

FAILURE TO REQUEST UNDERGROUND PIPE INSPECTION SHALL BE CAUSE FOR THE PIPE TO BE UNCOVERED, REGARDLESS OF THE STAGE OF CONSTRUCTION, WHEN ORDERED BY NEWTON COUNTY FIRE PREVENTION BUREAU REPRESENTATIVE.

***NOTE- NFPA 24**

10.8: Methods of restraining Fire Mains

10.8.2: Thrust blocks are satisfactory where soil is suitable. The thrust blocks shall be of a concrete mix not leaner than one-part cement, two and one half parts sand, and five parts stone. Thrust blocks shall be placed between undisturbed earth and the fitting to be restrained, and shall be such bearing as to ensure adequate resistance to the trust to be encountered. In general, trust blocks shall be so placed that the joints will be accessible for inspection and repair.

10.8.3: Pipe clamps and tie rods, thrust blocks, locked mechanical or push-on joints, mechanical joints utilizing set screw retainer glands, or other approved methods or devices shall be used. The type pipe, soil, conditions and available space determines the method.