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Adopted 8/8/01

# **TOWN OF NEW SCOTLAND**

**Albany County**

**New York**

## **WATER REGULATIONS**

Local Law #7

July 11, 2001

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**ARTICLE I**  
**Legislative Intent**

**§ 189-1. Adoption of General Rules and Specifications.**

For the proper use and services of all water districts owned, operated and maintained by the Town of New Scotland, the following general rules and specifications are hereby adopted.

**ARTICLE II**  
**General Provisions**

**§ 189-2. Purpose and Scope.**

- A. The following specifications apply to all water mains and services installed on public or private property connected directly or indirectly to the Town of New Scotland water system or any system served by agreement within the Town of New Scotland. All plans and specifications for such water mains shall be reviewed and approved by the Superintendent of Highways, the Water Inspector, town designated engineer or other duly authorized officials of the Town of New Scotland, Albany County Department of Health and/or New York State Department of Health.
- B. Standard Details of the Town of New Scotland Water Department supplement these specifications and shall be considered an integral part hereof.
- C. Whenever American Water Works Association (AWWA) or American National Standards Institute (ANSI) standards are referenced in these specifications, the latest version of the standard referenced shall be applicable.
- D. Recommended Standards for Water Works, Great Lakes Upper Mississippi River Board of State Public Health and Environmental Managers, latest revision supplement these specifications and shall be considered an integral part hereof.

**ARTICLE III**  
**Definitions**

**§ 189-3. Terms Defined.**

- A. Unless the context specifically indicates otherwise, the meaning of terms used in this chapter shall be as follows:

**CONTRACTOR** - The party who is employed by the owner to actually construct the water distribution system and/or water service.

**DISTRICT** - Any legally established "water district" or "water improvement" and extensions thereof in the Town of New Scotland.

**DISTRICT BOUNDARIES** - The physical boundaries of Districts or Improvements as presently established or as may be extended or created from time to time as duly enacted by law.

**EASEMENT** - An acquired legal right for the specific use of land owned by others.

**ENGINEER** - A person registered as a professional engineer by the State of New York.

**OWNER** - An individual, firm, company, association, society, corporation or group such as a developer, who initiates and pays for the installation of the water distribution system. In the case of water services, the owner shall mean the applicant who applies for water service.

**PERSON** - Any individual, firm, company, association, society, corporation or group.

**PREFERRED METHOD** - Shall generally mean the standard method of installation that shall be used. Methods other than the preferred method may only be used with the approval of the Superintendent of Highways, the Water Inspector or other duly authorized official of the Town.

**PROPERTY LINE** -The edge of a water right-of-way in those instances where the water service lateral connects to the public water main not located on a street right-of-way and the owner's property line in those instances where the water service lateral connects to a public water main located in the street right-of-way.

**PUBLIC WATER** -A common waterline controlled by a governmental agency or public utility.

**STANDARD DETAILS** - Supplements to these specifications and an integral part thereof, located in the Detail Section of this document.

**SUPERINTENDENT OF HIGHWAYS** - The legally elected superintendent of Highways for the Town of New Scotland. Whenever the words "ordered", "directed", "required", "approved", or "accepted" or variations thereof are used, they shall refer to action by the Superintendent of the town of New Scotland Highway Department, or his designated representative(s), unless otherwise specified.

**TOWN ENGINEER AND/OR DESIGNATED ENGINEER** - The legally appointed or otherwise engaged Engineer by the Town of New Scotland to oversee the design and/or construction of the water distribution system and who is responsible to certify the same.

**UNIT** - As described below:

<b>Description</b>	<b>Unit Value</b>
Single Family Dwelling	1 Unit
Multiple Family Dwelling	1 Unit Per Family
Apartments	1 Unit Per Apartment
<u>Business Establishments:</u>	
Water Use Less Than 100,000 Gals. Per Year	1 Unit
Water Use Greater Than 100,000 Gals. Per Year	1 Unit Per 100,000 Gals or Part Thereof
<u>Schools and Institutions:</u>	
Water Use Less Than 100,000 Gals. Per Year	1 Unit
Water Use Greater Than 100,000 Gals. Per Year	1 Unit Per 100,000 Gals. or Part Thereof
Vacant Lot	0.4 Units

**WATER DISTRICT** - Any water district owned, maintained and operated by the Town of New Scotland.

**WATER INSPECTOR** - The duly authorized representative for the Superintendent of Highways.

**WATER MAIN** - Any pipe bigger than six (6) inches in diameter supplying water as part of a system to one or more buildings. The Superintendent of Highways may allow water main less than 6" in diameter under special circumstances.

**WATER METER READER** - An employee appointed by the Town of New Scotland to read all individual water meters within the districts prior to each billing period.

**WATER SERVICES** - A pipe six (6) inches in diameter or smaller supplying water to one or more buildings.

**B.** Word Usage. "shall" is mandatory; "may" is permissive.

#### **ARTICLE IV**

##### **Power and Authority of Town Inspectors**

#### **§ 189-4. Right of Entry for Purposes of Inspection and Testing.**

The Superintendent of Highways, the Water Inspector, Water Meter Reader and other duly authorized officials of the Town bearing proper credentials and identification shall be permitted to enter all properties for the purpose of inspection, observation and testing. Where a user has security measures in force, the user shall make necessary arrangements with their security guards so that upon presentation of suitable identification, personnel from

the Town will be permitted to enter without delay. Denial of entry by the Town may result in termination of the water service.

**§ 189-5. Observance of Safety Rules.**

While performing the necessary work on private properties referred to in §189-12 (B), the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town shall observe all safety rules applicable to the premises.

**§ 189-6. Entry on Private Property to Observe Compliance of Facilities.**

The Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town bearing proper credentials and identification shall be permitted to enter all private properties through which the Town holds a duly negotiated easement for the purpose of but not limited to inspections, observation, measurement, sampling, repair, and maintenance of any portion of the water service facilities lying within an easement. All entry and subsequent work if any, on said easement shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.

**§ 189-7. Enforcement Officials.**

This chapter shall be enforced by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town. The Town may terminate or cause to be terminated water service to any premises if a violation of any provision of this chapter has occurred.

**ARTICLE V  
General Information**

**§ 189-8. Cost to Be Borne by Owner; Indemnification of Town**

All costs and expenses incidental to the installation and connection of the water service shall be borne by the property owner(s). These costs shall include attorneys' fee, legal fees, filing fees, engineering fees and etc. The owner(s) shall indemnify the water district and the Town from any loss or damage that may directly or indirectly be occasioned by the installation of the water service. Also see § 189-13.

**§ 189-9. Where No Water Service Lateral Has Been Supplied.**

- A. In the case where a water service lateral has not been provided at the property line (or permanent easement boundary), the property owner(s) will be required, if and when a water service connection becomes necessary, to construct at his own expense such a water service lateral from the public water main to his property.
- B. In all cases, it will be the property owner's responsibility to extend and construct at his own expense the water service lateral across his property to a proper point of

connection with the public water main.

- C. A separate and independent water service lateral must be provided for every building. Any exceptions must first be approved by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the town.

#### **§ 189-10. Connection to Existing Public Water Main.**

Except in rare occasions, in newly formed water districts the water main will be tapped and a curb box will be placed at the property line. However, in existing water districts it may sometimes be necessary for the property owner(s) to connect to the existing public water main and construct the entire water service lateral from the main to the water meter.

#### **§ 189-11. Inspection and Testing.**

- A. When the water service lateral is installed and completed, but prior to refilling the trench, the contractor performing the work shall notify the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town so that the installation can be inspected and approval given to refill the trench. Trenches refilled prior to inspection will have to be reopened by the contractor at his own expense. The contractor may also be subject to a penalty. These refilling regulations also apply to property owners installing their own water service lateral connection.
- B. In the discharge of duties, and for the purpose of water inspection, properly identified representatives of the Water District are legally authorized to enter any premises or property in the Town of New Scotland.

#### **§ 189-12. Installation of Services.**

- A. **Who Can Make Installations and Requirements.**
  - A. No person shall make any attachment with the mains of the New Scotland Water Districts nor may make any repairs, additions to or alterations with the water service lines unless he be authorized by the Superintendent of Highways, the Water Inspector, or other duly authorized officials of the Town and a written permit is issued.
  - 2. A separate service line shall be required for each dwelling or commercial building as specified under §189-9(c) of law. In case of multiple occupancy the size and number of separate service lines required shall be approved by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town.
  - 3. Any existing consumer in violation of these requirements may be notified, on thirty (30) days written notice from the District, to conform to this regulation.
- B. **Public Safety.**
  - 1. When any street, public or private grounds shall be opened for the purpose of making

a connection with the mains or for laying any water lines or fixtures, public safety and convenience shall be duly regarded and the street or public place shall be restored to its original condition as soon as possible; and whenever a trench is opened, bridges for the safety and convenience of the public shall be provided, and if left open at night such excavations and bridges shall be guarded with barricades and lights shall be displayed to warn and protect the public. The applicant must obtain from the Town Highway Superintendent, Albany County Highway Department or New York State DOT the required street permit.

**C. Ownership.**

1. At his own expense, the applicant shall install from the water main to the meter on the premises, a water service line and service connections, all to be approved by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town. Every service line must have a curb box of an approved type at the property or easement line and be provided with an iron curb box and cover. This curb box may not be used by the customer for turning on or shutting off the water supply, but is for the exclusive use of the Water District.
2. The service line and service connections from the curb box to the meter shall at all times remain the sole property of the applicant, in whom title thereto shall vest. All service lines installed shall have no sweat joint between the curb box and the foundation.

**D. Maintenance and Replacement.**

1. The customer, at his own expense, will maintain and protect from freezing and when necessary replace such service line and service connections, specifications for which are contained in paragraph "E" of this article.
2. Should a leak occur in a service line, the owner shall forthwith cause same to be repaired at his own expense. Should the owner fail to effect such repair after two (2) days written notice from the Town, the water district will cause the water service to be discontinued until such repair has been made.

**E. Service Line - Specifications.**

1. All service lines shall have a minimum cover of sixty (60) inches below the surface of the ground and in no case will any water line be allowed to be laid in any sewer, drain or utility line trench, nor will any drainage into a water line trench be permitted. Service lines shall be installed at a horizontal distance of 10' from all sewer lines and at a vertical distance of 18" from sewer lines, preferably above sewer lines.
2. All service lines shall not be less in size than three quarter (3/4) inch inside diameter and shall be U.S. Government Specification Type K soft tempered copper tubing with only mechanical joints underground; over 100 feet - 1 inch minimum in size is required. For services larger than two (2) inches in diameter, ductile iron cement lined class 52 pipe of quality equal to American Water Works Association or Federal

specifications and of weight suitable for service under a pressure equivalent to at least 150 PSI, or one and one half times the normal working pressure of the system, whichever is greater. The Town reserves the right in all cases to stipulate the size and type of the service lines to be used.

**F. Service Connection Specifications and Rules.**

1. All tapping of the main for services up to and including 1" shall be done by Town forces in accordance with the schedule of service charges. Tapping of the main for services larger than 1" shall be made by the applicant at his expense and observe by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town. No tapping will be done after November 1<sup>st</sup> and before April 1<sup>st</sup> (unless weather permits) without the approval of the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town.
2. The curb stop and box will be placed at the easement or property line.
3. No outlet through which water can be taken will be permitted between the meter and District's main in the street..
4. No red or white lead will be permitted to be used on joints between the meter and the main.
5. No one shall leave the curb stop open nor allow the water to run on the premises after making any new connection with the street main, or after making any extension or attachment in unoccupied premises. In cases where the work is a simple extension or additional attachments on consumers' side of the meter, in places where the water is then in use, the installer may leave the water on.
6. Except on the pipes on the consumers' side of the meter no additions or alterations whatsoever, in or about public or private water pipes, shall be made by a person until application therefor has been made to the District and a written permit given therefor.
7. When the supply of water to any premises has been turned off by the direction of the Superintendent of Water, the Water Inspector or other duly authorized officials of the Town, service shall only be returned by and with the authority of the Superintendent of Water, the Water Inspector or other duly authorized officials of the Town.
8. If any building is razed, moved or abandoned, it will be responsibility of the owner or the authority which requires such razing, moving or abandonment, by virtue of public improvement, to notify the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town to remove the water meter. The owner shall discontinue the water service line at the curb box by physically removing the service line or shall shut the corporation stop at the main and disconnect the service line from the main, as determined by the Superintendent of Highways.

**G. Underground Sprinkler Systems.**

1. Underground lawn sprinkler systems must be part of the metered system.
2. Regulations for the use of municipal water for lawn sprinkling shall be established by the Water District as the restriction needs dictate.

#### **H. Car Washes.**

Commercially operated car washes attached to the municipal water supply are prohibited. Water may be supplied for drinking and sanitary facilities.

#### **I. Swimming Pools.**

1. Regulations for the use of municipal water in swimming pools shall be established by the Water District as the restriction needs dictate.
2. Any swimming pool utilizing over 1,000 gallons of water, whether located above or below ground, in any of the public water districts of the Town shall have an adequate filtration and re-circulating system.
3. Before a pool of 1,000 gallons or more capacity, located within any or all public water districts of the Town, shall be filled with water from the public supply, permission for this purpose shall be requested from the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town who shall stipulate if water from the district can be used and on what date and between what hours such filling shall take place. Such dates and times are to be determined by the Superintendent of Water, the Water Inspector or other duly authorized officials of the Town and such determination shall be made on the basis of when such use of the water will constitute the least strain on the water supply system.

#### **J. Air Conditioning, Refrigeration & Heating Units**

1. All air conditioning, refrigeration, and heating units connected to the public water supply must be of an enclosed fully recirculating pressure type.
2. Existing units or installations theretofore installed and not of an enclosed fully recirculating type shall be converted to conform to this ordinance within five (5) years from the effective date of this local law.

### **ARTICLE VI**

#### **Permit Required Prior to Construction.**

##### **§ 189-13. Permit Required to Connect an Existing Water Main or Water Service Lateral.**

1. No unauthorized person(s) shall uncover, make any connections with or opening into,

use, alter, or disturb any public water lines thereof without a written permit from the town. Failure to obtain a permit may result in a penalty as specified under §189-16 and §189-17 of this law. Permits expire one year from date of issue.

2. Before connecting to an existing water main or a water service lateral, the owner shall contact the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town notifying him of the work to be done. He shall obtain a written permit as required. No connection shall be made to the public water main except in the presence of the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town.
3. Whenever it is necessary to work within any public right-of-way a bond will be required. Before a permit may be issued for work in any public right-of-way, the person applying for such permit shall have executed into the Town of New Scotland and deposited with the Town Clerk, a corporate surety in the sum of one thousand dollars (\$1,000), except where a larger amount is required by the Town, conditioned that he will perform faithfully all work with due care and skill, and in accordance with the laws, rules and regulations established under the authority or ordinances of the Town of New Scotland. This bond shall state that the person will indemnify and save harmless expenses, outlays and claims of every nature and kind arising out of unskillfulness or negligence on his part in connection with the work or excavating for same. Such bond shall remain in force and must be executed for a period of one year after completion of work except that on such expiration it shall remain in force as to all penalties, claims and demands that may have accrued thereunder prior to such expiration.

**§ 189-14. Classes of Water Permits, Application Fees, Tapping Fees, Testing Fees.**

- A. Three types of water permits will be issued. These will be for residential, non-residential, and repair/reconnection. The owner or his agent shall make application on a special form furnished by the water district. The permit shall be supplemented by any plans, specifications and other information considered pertinent in the judgment of the Superintendent of Highways, the Town Engineer, the Water Inspector or other duly authorized officials of the Town.
- B. The permit fees including inspection are as follows:
  1. Residential (per water service & meter installation): Thirty-five dollars (\$35).
  2. Non-residential (per water service & meter installation): Fifty dollars (\$50), minimum.
  3. Repair/Reconnection/Disconnection (per water service lateral): Thirty-five dollars (\$35).
- C. Tapping Fees:
  1. 3/4" Water Tap \$550.00  
(If the Town's cost to make a 3/4" water tap exceeds the \$550.00 fee, all additional costs will be paid by the customer).

2. 1" Water Tap \$650.00  
(If the Town's cost to make a 1"  
water tap exceeds the \$650.00 fee,  
all additional costs will be paid by the customer).

D. Testing Fees:

1. Meters 1" or smaller \$50.00
2. Meters 1 ¼" to 2" \$75.00
3. Meters Greater Than 2" Customer shall pay for and have meter tested.  
Submit test results to Town.

**ARTICLE VII**  
**General Rules**

**§ 189-15. Termination of Water Service.**

- A. Water service may be discontinued by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town for any one of the following reasons:
  1. for use of water other than as represented in customer's applications or through branch connections on the street side of the meter or place reserved therefore,
  2. for willful waste by use of water through improper and imperfect pipes, or by any other means,
  3. for molesting any service line, seal, or meter,
  4. for non-payment of bills for water or services rendered by the District in accordance with these rules and regulations,
  5. for cross-connecting pipes carrying water supplied by the District with other source of supply such as piping containing non-potable water, or with any apparatus which may endanger the quality of the Districts water supply, unless protected by approved and satisfactorily operating cross connection control devices.
  6. for refusal of reasonable access to the property for the purpose of reading, repairing, testing, or removing meters or inspecting water piping and other fixtures,
  7. for violation of the rules of the District as set forth in its rules and regulations,
  8. for failure to repair leaky services line after two (2) days' notice.
- B. Other than Fire Departments, no person shall open or interfere with fire hydrants or draw therefrom without permission from the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town. In addition, the Fire Departments will notify the Superintendent of Highways monthly in writing of the approximate gallons used in each District, the hydrant location and the size of the main.

- C. In the interest of public health the district will not permit its mains or service lines to be connected in any way to any piping, tank, vat or other apparatus which contains liquids chemicals, or any matter which may flow back into the districts service lines or mains and consequently endanger the water supply.
- D. Upon receipt of an application for a new service or the reinstatement of an existing service, the District will assume that the piping and fixtures which the service will supply are in proper order to receive same, and the district will not be liable in any event for any accident, breaks or leakage arising in any connection with the supply of water or failure to supply same.
- E. Any person who damages any street hydrant shall be liable for the actual damages sustained to the hydrant as well as the loss of water wasted before the hydrant can be shut off.
- F. The district undertakes to use reasonable care and diligence to provide a constant supply of water at a reasonable pressure to customers, but reserves the right, at any time, without notice, to shut off the water in its mains for the purposes of making repairs or extensions, or for other purposes, and it is expressly agreed that the district shall not be liable for a deficiency or failure in the supply of water or the pressure thereof for any cause whatsoever, not for any damage thereby, or by the bursting or breaking of any main or service line or any attachment to the district property. All property owners having boilers upon their premises depending upon the pressure in the district's pipes to keep them supplied, are cautioned against danger of collapse and all such damage shall be borne exclusively by the property owner.
- G. In those cases where a customer-owned service line is frozen, the thawing shall be done at the expense of the customer. To avoid a recurrence of freezing, the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town may order an examination of the customer's service line and if the same is not at a depth of sixty (60) inches as required, the Superintendent of Water, the Water Inspector or other duly authorized officials of the Town reserves the right to require it to be relocated before service is resumed.
- H. The Superintendent of Highways, the Water Inspector or other dully authorized officials of the Town shall have the right in periods of drought or emergency, to restrict the use of water for sprinkling, pools or other outside use or to prohibit such use entirely. Notice of such restriction will be published by the Superintendent of Highways, the Water Inspector, or other duly authorized officials of the Town in the official Town newspaper or by other appropriate means.

**ARTICLE VIII**  
**Penalties**

**§189-16. Penalties for Offenses.**

Any conviction under this chapter shall be deemed a violation against this chapter, and every conviction of a violation of any provision of this chapter shall be punishable by a fine of not more than two hundred fifty dollars (\$250) or by imprisonment of not more than fifteen (15) days, or both such fine and imprisonment. For the purpose of conferring jurisdiction upon courts and judicial officers generally, charges under this chapter shall be deemed violations.

**§189-17. Assessment in Addition to Penalty.**

In addition, a penalty may be assessed, not exceeding five hundred dollars (\$500) for each violation, to be used for and recovered in a civil action brought in the name and for the benefit of the water district within the Town of New Scotland where the violation occurred.

**§189-18. Judicial Proceedings to Prohibit Violations.**

The Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town are authorized to issue appearance tickets and to initiate whatever appropriate judicial proceedings are deemed necessary to prohibit violations of this chapter.

**ARTICLE IX**  
**Distribution System**

**§189-19. Water Mains and appurtenances.**

**A. Pipe and Fittings**

1. All water mains six (6) inches in diameter and larger and all water services larger than two (2) inches in diameter shall be ductile iron in accordance with ANSI/AWWA Specification C1151.A21.51 Class 52, double cement lined, paint seal coated and furnished in eighteen (18) or twenty (20) foot lengths. Joints shall be push-on or mechanical with rubber gasket of the type in accordance with ANSI/AWWA C- 111/A21.11-90.

OR WITH THE REVIEW AND APPROVAL OF  
THE TOWN ENGINEER AND SUPERINTENDENT OF HIGHWAYS

2. may be polyvinyl chloride in accordance with AWWA C-900 PVC pressure pipe Class 150, DR 18. The pipe shall be manufactured to cast iron or ductile iron outside dimensions. The pipe gaskets shall meet the ASTM specifications D3139. The pipe shall also meet The National Sanitation Foundation Standard No. 61.
3. All pipe fittings shall be ductile iron, mechanical joint double cement lined, in

accordance with ANSI/AWWA C110/A21.10-95 compact size in accordance with ANSI/AWWA C-183.

4. Joint resistant retainer glands shall be mechanical joint restraint with multiple wedging action, as manufactured by EBAA Iron, Inc., Megalug or equal. All clamps, tie rods or retainer glands shall be coated with a heavy coating of approved bitumastic paint after installation.
5. All water mains, hydrant leads and service pipes shall have a minimum of five (5) foot of cover.
6. All ductile iron pipe and appurtenances shall be encased in polyethylene where soil conditions warrant. Polyethylene shall be manufactured and installed in compliance with AWWA C105/A21.5-93.

#### **B. Valve and Valve Boxes**

All 4" to 16" valves shall be resilient wedge valves, "O" ring sealed in accordance with AWWA C-500 as manufactured by Clow F5065 or resilient seated gate valve in accordance with AWWA C509 as manufactured by Clow F6100 or equal. Valves installed underground shall be mechanical joint non-rising stem, open left. Valves installed inside structures shall be flanged, outside screw and yoke open left and shall be double gate valves as manufactured by Clow R-5702 or resilient seated gate valves as manufactured by Clow F-6136 or equal. The design working pressure (250 psi) and the test pressure (500 psi) shall be cast on the outside of the valve. All valve exterior and interior surfaces must be fusion epoxy coated conforming to AWWA C550.

#### **C. Hydrants**

1. All hydrants shall be manufactured in conformance with AWWA C502 standards with two (2) 2 ½ inch National Standard thread hose nozzles and one pumper nozzle connection with a 6 inch mechanical joint inlet connection and shall open left. All hydrants shall have an approved "O" ring seal around operating stem and "Traffic Type" break flange. Operating nut shall be National Standard pentagon shaped, 1 ½ inch point to flat face. All hydrants shall have a valved opening of not less than 5 inches and the barrel painted.
2. All hydrants shall be Mueller Centurion, as manufactured by the Mueller Company.
3. All hydrant leads shall include an anchoring tee, gate valve and restraints on all joints between the tee and the hydrant. See Typical Hydrant Installation Detail, appended hereto.
4. At the completion of installation of the hydrant(s) they shall be painted with one coat of exterior enamel paint acceptable for potable water use. Color shall be red.

**D. Installation of Mains.**

**1. Standards.**

Specifications shall incorporate the provisions of the AWWA standards and/or manufacturer's recommended installation procedures.

**2. Bedding.**

A continuous and uniform bedding shall be provided in the trench for all buried pipe. Backfill material shall be tamped in layers around the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a depth of at least six inches below the bottom of the pipe.

**3. Cover.**

All water mains shall be covered with sufficient earth or other insulation to prevent freezing.

**4. Blocking.**

All tees, bends, plugs and hydrants shall be provided with reaction blocking, tie rods or joints designed to prevent movement.

**5. Pressure and leakage testing.**

All types of installed pipe shall be pressure tested and leakage tested in accordance with the latest edition of AWWA Standard C600. Test pressure shall be 150 PSI or one and one half times the normal working pressure, whichever is greater.

**6. Disinfection.**

All new, cleaned or repaired water mains shall be disinfected by the continuous-feed method in accordance with AWWA Standard C651. The specifications shall include detailed procedures for the adequate flushing, disinfection, and microbiological testing of all water mains. Microbiological testing shall be done by a New York State approved laboratory. Tablet method of disinfection is not acceptable.

**E. Separation of Water Mains, Sanitary Sewers and Storm Sewers.**

**1. General**

The following factors should be considered in providing adequate separation:

- a. materials and type of joints for water and sewer pipes,
- b. soil conditions,
- c. service and branch connections into the water main and sewer line,
- d. Compensating variations in the horizontal and vertical separations,
- e. Space for repair and alterations of water and sewer pipes,

f. Off-setting of pipes around manholes.

**2. Parallel Installation.**

Water mains shall be laid at least ten (10 feet) horizontally from any existing or proposed sewer. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten (10) foot separation, the Highway superintendent, Town Engineer or other duly authorized officials of the Town and the Albany County Department of Health may allow deviation on a case-by-case basis, if supported by data from the design engineer. Such deviation may allow installation of the water main closer to a sewer, provided that the water main is laid in a separate trench or on an undisturbed earth shelf located on one side of the sewer at such an elevation that the bottom of the water main is at least eighteen(18) inches above the top of the sewer.

**3. Crossings.**

Water mains crossing sewers shall be laid to provide a minimum vertical distance of eighteen (18) inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer, with preference to the watermain located above the sewer. At crossings, one full length of water pipe shall be located so both joints will be as far from the sewer as possible. Special structural support for the water and sewer pipes may be required.

**4. Exception.**

The Superintendent of Highways, the Town Engineer or other duly authorized officials of the Town and the Albany County Department of Health must specifically approve any variance from the requirements of Sections E-2 and E-3 of this article, when it is impossible to obtain the specified separation distances. Where sewers are being installed and Sections E-2 and E-3 of this Article, cannot be met, the sewer materials shall be water main pipe or equivalent and shall be pressure tested to ensure water tightness.

**5. Force mains.**

There shall be at least a ten (10) foot horizontal separation between water mains and sanitary sewer force mains. There shall be an eighteen (18) inch vertical separation at crossings as required in Section E-3 of this Article.

**6. Sewer Manholes.**

No water pipe shall pass through or come in contact with any part of a sewer manhole.

**7. Separation of water mains from other sources of contamination.**

Design engineers should exercise caution when locating water mains at or near certain sites such as sewage treatment plants or industrial complexes. Individual septic tanks

must be located and avoided. The engineer must contact the Superintendent of Highways, Town Engineer or other duly authorized officials of the Town and the Albany County Department of Health to establish specific design requirements for locating water mains near any source of contamination.

**F. Surface Water Crossing.**

Surface water crossings, whether over or under water, present special problems. The Superintendent of Highways and/or the Town Engineer should be consulted before final plans are prepared.

**1. Above-water crossings.**

The pipe shall be adequately supported and anchored, protected from damage and freezing and accessible for repair or replacement.

**2. Underwater crossings.**

A minimum cover of two (2) feet shall be provided over the pipe. When crossing water courses which are greater than fifteen (15) feet in width, the following shall be provided:

- a. The pipe shall be of special construction, having flexible watertight joints.
- b. Valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair; the valves shall be easily accessible, and not subject to flooding; and the valve closest to the supply source shall be in a manhole.
- c. Permanent taps shall be made on each side of the valve within the manhole to allow insertion of a small meter to determine leakage and for sampling purposes.

**G. Cross-Connections and Interconnections.**

There shall be no connection between the distribution system and any pipes, pumps, hydrants, or tanks whereby unsafe water or other contaminating materials may be discharged or drawn into the system. Each water utility shall have a program conforming to state requirements to detect and eliminate cross connections.

**§189-20. Water Service Laterals.**

**A. GENERAL**

1. As water pipe is installed in the development of Town Highways, all laterals shall be laid to the front line of each lot, before roadway pavement is constructed. At locations where roadway pavement already exists, the services shall be installed without digging up the pavement. The exact method used by the contractor to accomplish this purpose shall be left to his ingenuity, but the result accomplished and the method, must receive the approval of the Superintendent of Highways, the Water Inspection

or other duly authorized officials of the Town. Where in the opinion of the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town, the service cannot be installed without digging up the pavement written permission may be given to the contractor to install the service in open cut. The property owner or contractor must obtain a highway street permit from either the New Scotland Highway Superintendent, Albany County Highway or New York State DOT.

2. Where services are frozen, the applicant or consumer will, at his own expense, thaw out the pipe between the property and the water main. If examination of the service pipe declares that the depth of cover is less than five and one half feet (5 1/2'), the Town reserves the right to request that the service pipe be lowered to prevent the pipe from freezing.
3. The service from the water main to the curb box shall be a minimum size of three-quarter inch (3/4"), for one (1) family residence. Size of service laterals for buildings other than one (1) family residence, shall be approved by the Superintendent of Highways, Water Inspector or other duly authorized officials of the Town.
4. In no case shall permission be granted to supply two or more premises from a single tap, nor shall there be more than one (1) service supply pipe to any premises without special permission in writing from the Superintendent of Highways, Water Inspector or other duly authorized officials of the Town.

**B. Installation of water service lateral and tapping of main.**

Where a pre-existing dwelling exists or a new building is being constructed and the water main has not been tapped and brought to the property line with a curb box installed, it will be the responsibility of the property owner(s), including excavation, pipe work, backfill, replacement of pavement, etc. All work shall be done in strict accordance with all applicable Town Standards.

**C. Connection of water service lateral: conformity required.**

The connection of the water service lateral into the public water main shall conform to the requirements of this chapter and to New York State Department of Health and the American Water Works Association or Federal Specifications. Connections shall be made watertight and verified by proper testing. Any deviation from the prescribed procedure and materials must be approved by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town, before installation.

**D. Applicants to notify the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town for purposes of inspection.**

The application for the water service permit shall notify the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town twenty-four (24) hours in advance of when the water service lateral is ready for inspection and connection to the public water main. The connection and testing shall be made under the supervision of the Superintendent of Highways, the Water Inspector or other duly

authorized officials of the Town.

**E. Direct water service connection between house service lateral and building required.**

1. The property owner's water connection between the house water service lateral at the property line and the building shall be a direct connection. Ten (10) feet between a water service lateral and a sanitary sewer lateral is required in accordance with the New York State Department of Health Regulations.
6. When connecting an existing structure served by a well to a new water service, the structure's supply plumbing shall be physically disconnected between the plumbing to be serviced by the public water system and the private well. Non potable piping shall be so labeled separate, independent supply plumbing system from the private well is allowable.

**F. INFORMATION REQUIRED TO DETERMINE COMPLIANCE.**

The Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town may require a user of the water service to provide information needed to determine compliance with this chapter.

**G. COPPER SERVICE PIPE**

Copper pipe shall be type K "soft" copper tubing, annealed after coiling and conforming to the requirements of the latest ASTM designation B-88. All couplings required to join sections of tubing shall be compression connections similar or equal to the Mueller H-15403 coupling, copper to copper.

**H. CORPORATION STOPS**

Corporation stops shall be Standard Water Works Corporation stops similar or equal to Style H-15008 (3/4" and 1") and H-15013 (1 1/2" and 2") corporation stop with compression connection for use with copper tubing, as manufactured by the Mueller company, or equal. Corporation stops shall have Mueller thread on the inlet.

**I. CURB STOPS AND BOXES**

Curb stops shall be Standard Water works ground key type, T-handle, curb stops, without drain, similar or equal to the Mark III Oriseal Style H-1504-2 (3/4" and 1"), and Mark II Oriseal Style H-15209 (1 1/2" and 2") with compression connection for copper tubing on the inlet and outlet as manufactured by the Mueller Company, or equal. Curb boxes shall be of the arch pattern extension type with a one-piece lid designed for installation on service lines having a cover of 5 to 6 1/2 feet. All boxes shall be equipped with a stationary rod with a malleable iron fork and copper pin. Curb boxes shall be similar or approved equal to Style H-10314 for 3/4" to 1" curb stops and Style H-10386 with foot piece for 1 1/4" to 2" curb stops, as manufactured by Mueller Company, or equal. The word "Water" shall be lettered on the box covers.

## J. INSTALLATION

1. In general, copper service pipe shall be installed at depth of five (5') feet below finished grade. The copper tubing shall be attached to the corporation stop in a satisfactory manner and with sufficient slack being left adjacent to the corporation stop and curb stop to prevent damage to the copper tubing by movement of the earth or pipeline.
2. In cutting the copper tubing, a hacksaw preferably used with a miter box, may be used. A cutter or tool designed for tube cutting may be used also. All cut tubing shall be reamed.
3. All services shall be tested for leakage. The corporation stops shall be left in the open position, and curb stops in the closed position.
4. **Tapping the Main.**

The main in all instances shall be tapped on the side in a horizontal position or in such position as will provide approximately five (5') feet of cover over the connecting service line. The main shall be tapped by a skilled workman and the stop installed in accordance with most modern methods. The stops may be installed in the dry at the time the pipe is installed, or may be installed at a later date at which time the main may be tapped under pressure. All defective taps shall be remedied at the contractor's expense.

5. See "Typical Water Service Connection", detail appended hereto.

### §189-21. Meters

All water furnished to users shall be measured by meters. Meters shall be procured from the Town of New Scotland, except meters 2" and larger, and paid for by the property owner(s). Said meter shall become the property of the water district in which they are installed. The cost of repairing any water meter damaged by the user or property owner(s) of the serviced property shall be a charge against said owner(s).

- A. Meters 1 ½" and smaller for household installation shall be Town supplied, 5/8" x 3/4" frost-proof meters reading in gallons. 2" and larger shall be approved by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town; shall be purchased by the owner and shall become the property of the water district.
- B. One meter shall be installed for each water service.
- C. No meter shall be installed, removed, unsealed, or altered by other than an authorized official of the Town, when so directed by the Superintendent of Highways. Failure by the user or property owner(s) to report a broken seal to the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town shall be in violation and punishable by a fine not to exceed two hundred fifty dollars (\$250).

- D. Master meters shall be installed on water distribution mains where the supply of water for the district is taken from another community's supply system.
- E. Meter Setting - All meters shall be set as nearly as possible at the point of entrance of the service pipe to the building and the property owner shall provide and maintain a clean, dry, warm and accessible place for the meter installation. A water shut-off shall be provided on the main side of the meter installation. The meter shall be installed with a meter setter or couplings to facilitate its removal and the coupling nuts shall be equipped with meter sealing wire holes. If additional or auxiliary meters are desired by the user for recording distribution of the supply, such meters shall be furnished, installed, read and maintained at the expense of the owner.

In the event that a building is more than 150 feet from the main the meter shall be installed in a meter pit. The meter pit shall be installed as close as possible to the curb box and no greater than 5 feet from the curb box and at the owners expense.

- F. Cross Connections - No cross connection between the public water supply system and any household well or other supply will be allowed. Household wells may be used for lawn sprinkling and other purposes if they are physically and permanently disconnected from the public water supply. The Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town will not issue a permit for water service in any building until a cross connection is eliminated.
- G. In districts where pressure reducing valves are required on service lines, the pressure reducing valves will be procured from the Town and paid for by the property owner at the time of meter procurement.

#### **§189-22. Installation of Meters.**

- A. All buildings in the Clarksville Water District, where required by the Town, shall install a pressure regulator prior to meter installation. The owner will be responsible for all costs associated with the furnishing, installation and maintenance of the pressure regulator.
- B. All buildings in the Swift Road Water District shall install a pressure regulator prior to meter installation. The customer will be responsible for all costs associated with the furnishing, installation and maintenance of the pressure regulator.
- C. An individual meter shall be required for each separate line to a premises, except in such areas designated by the Superintendent of Highways, the Water Inspector, or other duly authorized officials of the Town Board. The users of water shall at no time tamper with the meter. Any tampering with the water meter shall constitute a violation of this Law.
- D. The meter shall be purchased from the Water district and shall remain the property of the Water District in which installation shall be made. Installation of the meter will be made by the owner or his authorized contractor after a permit is obtained.

- E. Meter pits shall be not less than 3' x 3' with a depth of no less than 5' - 6". The cover shall be no smaller than 2' x 2" to allow entry for installing and maintaining the meter. The meter pit shall be set above ground water elevation and shall be constructed to prevent flooding. The meter pit shall be insulated to prevent freezing.
- F. Meters larger than one inch (1") shall be compound meters and furnished and installed by the contractor at the owners expense and shall be placed in an area designated by the Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town and all expense in connection with its proper housing including a by-pass for testing shall be borne by the owner. Such meters shall be maintained and repaired at the expense of the owner.
- G. Diagram of pit and proper piping shall be approved by the Superintendent of Highways, the Water Inspector, Town engineer and/or Designated Engineer, or other duly officials of the Town.
- H. The town reserves the right to remove, test, and repair any meter at any time.
- I. If any premises is vacated, the owner may on written notification to the Superintendent of Highways, the Water Inspector or the duly authorized official of the Town request that the water meter be removed and stored. During the period the meter is out of service, no charge for water services will be made. Capital costs will still apply. When water service is again requested the Superintendent of Highways, the Water Inspector or other duly authorized officials of the town will re-establish service for a minimum charge of not less than fifty (\$50).
- J. Meters will at all times be protected from freezing. In the event the meter is damaged by freezing or other external cause, the Superintendent of Highways, the Water Inspector, or other duly authorized officials of the Town will replace the meter and a bill will be rendered to the property owner for the cost of repairs.
- K. The superintendent of Highways, the Water Inspector or other duly authorized officials of the Town will maintain, repair and test when necessary all meters. They reserve the right to remove and test the meters as required. In case of a disputed account involving the accuracy of a meter, the Superintendent of Highways, the Water Inspector or the duly authorized official of the Town will test the meter upon the request of the owner. A fee in accordance with Article VI payable in advance of the test is required. In the event that meter is found to over-register in excess of two (2) percent (2%) at any flow rate within the normal test flow limits, the fee will be returned to the customer, otherwise it will be retained by the Water District.

### **§189-23. Wells**

All wells developed, or existing wells proposed for use as a community water supply in the formation of a water district, shall comply with the Recommended Standards For Water Works (latest revision) and all the rules and regulations of the New York State Department of Health, the New York State Department of Environmental Conservation and any other regulatory agency having jurisdiction.

Each wellhead shall be protected and controlled by direct ownership of the Land by the Town of New Scotland. The developer of the well site shall convey ownership of Land surrounding the wellhead,

having a minimum radius of 200 feet, or additional distance as determined to be needed for protection of the well, to the Town of New Scotland. This area shall be protected from pollution by surface waters by the construction of suitable diversion ditches or embankments.

A. Wellhead Protection

All well sites shall have a wellhead protection area which comprises the land surface surrounding the water well or well field. This is an area through which a wide range of pollutants and contaminants could potentially travel towards the groundwater.

The wellhead protection area shall be circular in area, having a minimum radius of one quarter mile. In the event that the well site has multiple wells, the radius of the wellhead protection area shall be such that its distance from the center of the well field shall be not less than one quarter mile from any well on the site.

The dimension of the radius of the wellhead protection area may vary depending on the aquifer, topography, man-made features or other factors, as determined by the Town Highway Superintendent. Disposal of hazardous chemicals or waste is prohibited within the wellhead protection area. No septic system shall be constructed within a 200 foot distance of any well. No chemicals, fertilizers or other type of material that may contaminate the groundwater shall be stored within 200 feet of any well.

B. Fencing and Signs

1. Fencing

Well sites shall be surrounded by six(6) foot high chain link fencing. The minimum area fenced for a single well is 30 feet by 30 feet unless otherwise approved by the Town Superintendent of Highways. The area to be fenced for sites with multiple wells shall be determined by the Town Superintendent of Highways based on existing site conditions.

2. Signs

There shall be a minimum of four(4) signs mounted on the fence surrounding wells. The signs shall clearly indicate that within a certain number of feet of this location is a wellhead protection area. The sign shall also indicate that any illegal dumping should be reported to a 24 hour hotline number

C. Inventory of Potential Sources

In association with developing a well site the developer's engineer shall canvass the wellhead protection area and inventory potential contamination sources and potential conduits for contamination. The engineer's report shall indicate the topography of the area, possible sources of contamination(i.e. gas station, industrial site, etc.) and possible conduits by which chemicals or other contaminants could be conveyed towards the well site(i.e. spill from tank truck accident). Potential sources of contamination include, but are not limited to, fertilizers, pesticides, paint residues, animal feedlot wastes, stormwater runoff and toxic chemicals.

D. Working in Well Site Areas

Every precaution shall be taken by persons working in the well site area (200 foot radius of the well), to protect the area from contamination by construction materials and equipment. When hydraulically operated equipment or other equipment that could discharge materials that could contaminate the watershed, precautions shall be taken to protect the ground surface under and around the equipment. Sheets of plastic shall be used, as a minimum, to collect fluids that may drip from beneath equipment. Equipment that has excessive leakage of fluids shall be removed from the site.

**Article X  
Water Billing Charges**

**§189-24. Water Rents and Water Usage Fees to Become Liens Against Real Property.**

- A. Water rents and water usage fees shall be liens against real property within all the Town of New Scotland Water districts to the extent as set forth in §452 of the General Municipal Law.
- B. Water rents and water usage fees provided herein are charges in addition to any water assessments that may be levied from time to time against real property in said water districts. Water rents shall be charged against properties connected to the water system in such amounts as established by the Town Board pursuant to §452 of the General municipal law.
- C. There will be a minimum charge for 15,000 gallons of water usage per water billing. This minimum gallonage charge will apply to new districts formed subsequent to the date of this Local Law. Existing districts formed prior to this Local Law will remain at their minimum charge billing amount.

**§189-25. Collection of Water Rents and Water Usage Fees.**

- A. Water usage rates and operation and maintenance charges for the water districts shall be reviewed annually by the Town Board so that this fee can be changed, adjusted or modified as required.
- B. Water rents and water usage fees shall be payable within thirty (30) days from date of billing. Any bill not paid within thirty (30) days shall be subject to a penalty charge of five (5) % and interest charge of one (1% per month).

**§189-26. Special Water Rates for Noncompliance with Meter Installation.**

It is anticipated that all property owners paying for water in all Town water districts will comply with the regulations for the installation of water meters. However, any such property owner(s) who may fail to install a meter shall be billed a penalty for water usage of one hundred dollars (\$100) per month of usage according to the following schedule:

- A. New building - beginning thirty (30) days after the water service lateral has been inspected by the Superintendent of Water, the Water Inspector or other duly authorized officials of the Town unless prior arrangements have been made with the

Town Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town.

- B. Modification to existing building - beginning thirty (30) days after issuance of building permit unless prior arrangements have been made with the Town Superintendent of Highways, the Water Inspector or other duly authorized officials of the Town.

### **§189-27. Delinquent Accounts**

On November 1<sup>st</sup> of each year, the Clerk of the district shall furnish Albany County Bureau of Real Property Taxes a list of all delinquent water bills for re-levy and collection which will be added to the property tax bill pursuant to Section 198-3 of the General Municipal Law.

## **ARTICLE XI Liability - Water**

### **§189-28. No Liability for Interrupted or Unsatisfactory Service.**

If, by reason of shortage of supply or for the purpose of making repairs, extensions, connections, or placing of meters, or for any reason beyond the control of the Town, it becomes necessary to shut off water in a main or service, the Town will not be responsible for any damages occasioned by such shut-off, and no adjustment of rates will be allowed. Notice of shut-off will be given when practicable, but nothing in this rule shall be construed as requiring the giving of such notice.

The town will not be responsible for damage caused by discolored water or unsatisfactory water service which may be occasioned by cleaning of pipes, reservoirs, or stand pipes, or the opening or closing of any valves or hydrants, or any abnormal condition, unless caused by the lack of reasonable care on the part of the Town. The town of New Scotland will not be responsible for meeting unusually high water demands, or unusually high quality standards for specialized or industrial customers.

## **ARTICLE XII Details**

### **§189-29. Details**

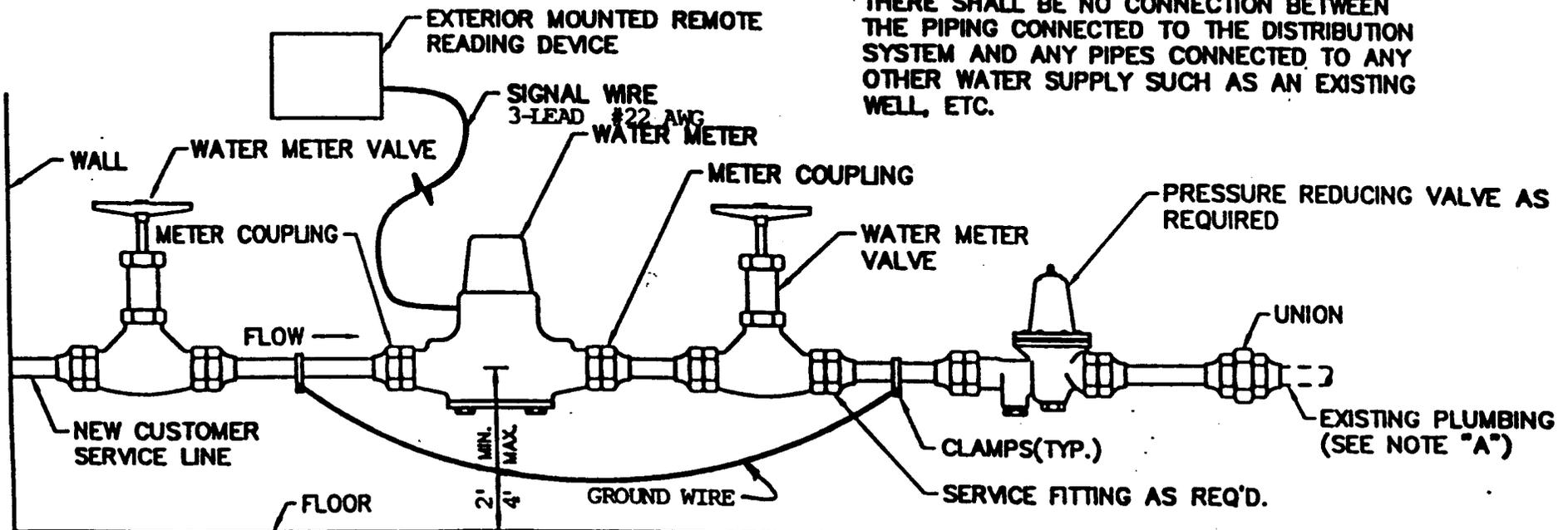
Detail 1 - 189 - Installation of Water Meters (attached hereto)

Detail 2 - 189 - Copper Service Pipe (attached hereto)

Detail 3 - 189 - Typical Hydrant Installation (attached hereto)

**NOTE "A"**

THERE SHALL BE NO CONNECTION BETWEEN THE PIPING CONNECTED TO THE DISTRIBUTION SYSTEM AND ANY PIPES CONNECTED TO ANY OTHER WATER SUPPLY SUCH AS AN EXISTING WELL, ETC.

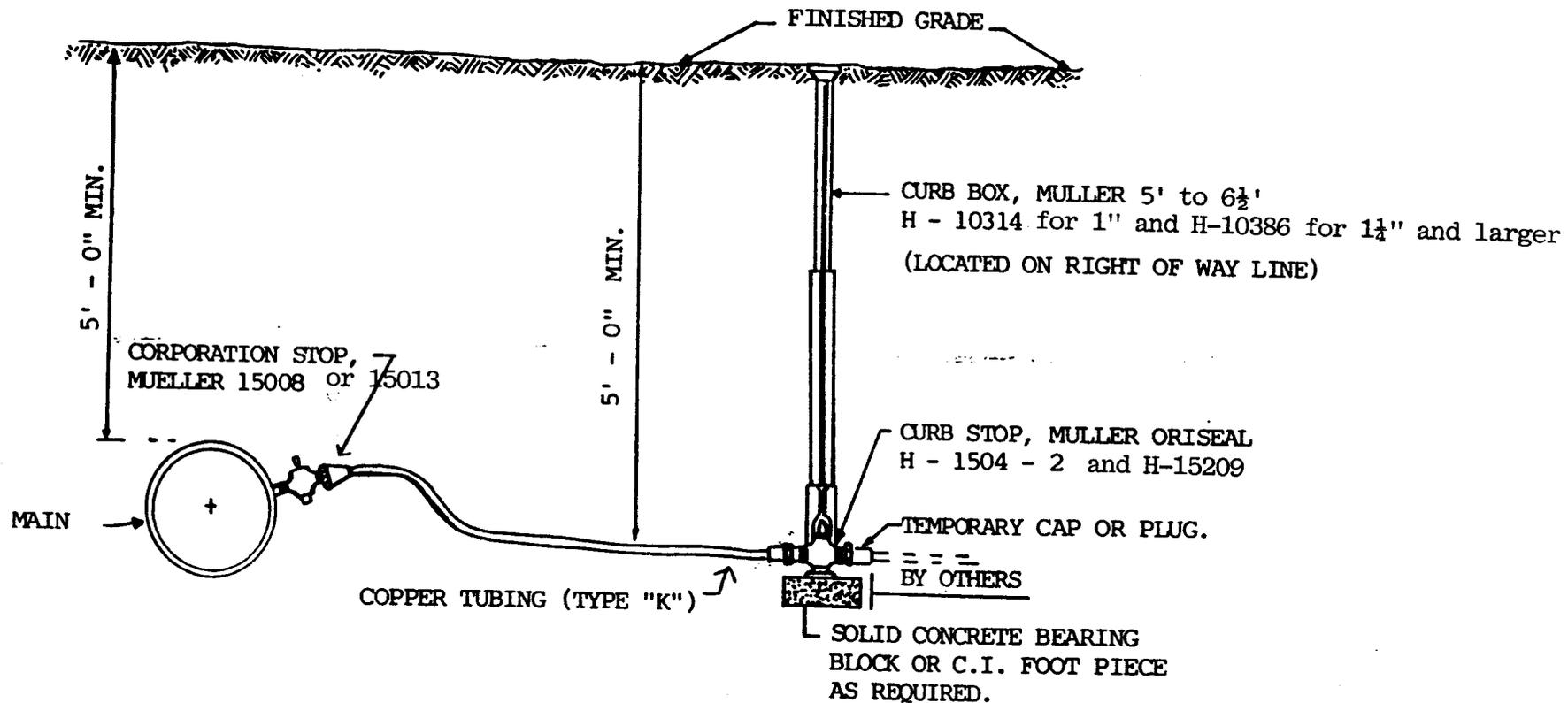


## **INSTALLATION DETAIL FOR WATER METERS AND REMOTE READING DEVICES**

**N.T.S.**

1. Install Type K Copper tubing from corporation stop to building, five feet deep.
2. Meters are to be kept readily accessible to meter readers.
3. Curb box and accessibility to be maintained by property owner.
4. Meter to read in gallons.
5. Minimum 4 Inches between the wall and the meter.

Detail 1-189



COPPER SERVICE PIPE  
FOR SERVICES 2" DIAMETER OR LESS

**" TYPICAL WATER SERVICE CONNECTION "**

CONCRETE CAP  
TOP 12" OF POST

RED

WHITE

PAINTED STRIPES  
6" WIDE

BREAK  
FLANGE

VARIES AS REQUIRED BY  
TYPE OF HYDRANT INSTALLATION  
4'± MIN

2'-6" MIN  
PREFERRED AS  
FAR AS POSSIBLE

PREFERRED AS CLOSE  
AS POSSIBLE

HYDRANT GUARD POST  
(6" CI PIPE FILLED  
WITH CRUSHED STONE  
SET 4'± IN GROUND,  
OR APPROVED EQUAL)

FINISHED GRADE

VALVE BOX  
(TELESCOPIC  
PATTERN)

6" MJ GATE  
VALVE

COVER AS REQUIRED  
5' MIN

TRENCH OR BURY AS REQ'D  
5.0' MIN

POLYETHYLENE OR  
BUILDING PAPER  
CRUSHED STONE  
DRAIN

POURED IN PLACE  
OR PRECAST  
THRUST BLOCK

CRUSHED STONE

12" SQUARE SOLID  
PRECAST CONCRETE  
BEARING BLOCK, 6"  
THICK, MIN

UNDISTURBED MATERIAL

POURED IN PLACE OR  
PRECAST THRUST BLOCK

ANCHORING  
TILE

DETAILS TO BE VARIED AS REQ'D  
TO SUIT DRAIN LOCATION IF  
DIFFERENT THAN SHOWN

ELEVATION

# TYPICAL HYDRANT INSTALLATION

SCALE: NONE

**NOTE: 6" Retainer Glands Are Required  
On All Joints From Tee To Hydrant.**

REVISION DATES

STANDARD DETAILS  
DUCTILE IRON PIPE  
WATER DISTRIBUTION SYSTEMS  
Detail 3-189