

Water Rules and Regulations

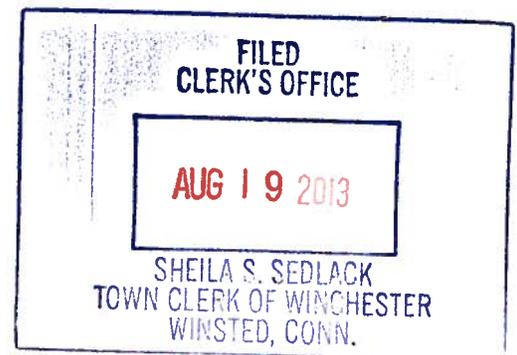
Prepared By:

TOWN OF WINCHESTER CITY OF WINSTED



Water and Sewer Commission

Adopted & Effective Date: June 11, 2013



The Town of Winchester is an equal opportunity provider, employer and lender

Table of Contents

<u>Article</u>	<u>Title</u>	<u>Page</u>
1	Intent, Purpose, Applicability, and Enforcement of Regulation	1
2	Power, Authority, and Duties	2
3	Definitions and Abbreviations	3
4	Use of Public Water Required	7
5	Private Water Supply Wells	8
6	Water Service Permit, Connection, Inspection, & Authorization to Connect	8
7	Extension of Water Distribution Facilities	12
8	Vacant (Reserved for Future Use)	16
9	Protection From Damage, Unauthorized Operation, and Meddling	16
10	Penalties	16
11	Liens	17
12	Assessments, Charges, and Rentals	17
13	Meters	19
14	Compliance with other Statutes, Codes, Regulations and Standards	22
15	Validity	22

List of Appendices

- Appendix 1 - Town of Winchester Water and Sewer Commission – Schedule of Charges and Penalties
- Appendix 2 - Town of Winchester Water and Sewer Commission – Terms of Developer’s Agreement for Water System Extensions
- Appendix 3 - Town of Winchester Water and Sewer Commission – Technical Standards for Water System Construction

Article 1 – Intent, Purpose, Applicability, and Enforcement of Regulations

§ 101 – Intent

The Winchester Water and Sewer Commission established these regulations to:

- a) Inform the public as to the technical and administrative procedures to be followed in expanding and/or connecting to the Town of Winchester public water system
- b) Prevent the introduction of pollutants into the public water system.
- c) Establish responsibility for maintenance of the public water systems.

§ 102 – Purpose

These Regulations:

- a) Delineate inspection powers and authority of Town of Winchester personnel.
- b) Define the terms used throughout the Regulations.
- c) Mandate connection to the Winsted Water Works public water system in certain cases.
- d) Allow the use of private, on-site water-supply wells in certain cases.
- e) Regulate the construction of building water mains and connections to the Winsted Water Works public water system.
- f) Establish procedures for expanding and/or making connections to the Winsted Water Works public water system.
- g) Forbid malicious, willful, or negligent damage to the Winsted Water Works public water system and establish a penalty for each violation.
- h) Establish penalties for violations of the regulations.
- i) Establish provisions for the Water and Sewer Commission to lien properties in cases where persons fail to comply with orders issued by the Commission.
- j) Establish rates and charges for the connection to and use of the Winsted Water Works public water system.

§ 103 - Applicability

This regulation shall apply to the Town of Winchester and to persons outside the Town who are users of the public water system.

§ 104 – Enforcement

Except as provided otherwise herein, the Winchester Water and Sewer Commission shall implement and enforce the provisions of these Rules and Regulations.

Article 2 – Power, Authority, and Duties

§ 201 – Water and Sewer Commission

1) Empowerment by Town of Winchester Charter:

Article XIV - Section 1401 of the Town of Winchester Charter (as amended – 2001) states that “All rights, powers and franchises granted by and required under the provisions of an Act authorizing the borough of Winsted to construct a water division, approved June 23, 1860, and Acts amendatory thereof and in force on the date this Charter takes effect are hereby vested in said Town of Winchester, and the Water and Sewer Commission of said Town shall have all the rights, powers, and duties that were vested in, and imposed upon, the Water Commissioners by the original provisions of the borough of Winsted; and all the provisions of said act and subsequent Acts and Amendments pertaining to the Winsted Water Division in force on the date this Charter takes effect and not inconsistent herewith, are continued in force and made a part hereof”.

Article XIV – Section 1402 of the Town of Winchester Charter (as amended – 2001) states that “The Winsted Water Division shall be under the care and management of the Water and Sewer Commission, who shall have exclusive control and direction of said Water Division, and of the laying, repairing, cleaning, and general care of pipes, aqueducts, reservoirs, dams, hydrants, water tanks, and fountains, and all things connected therewith, and the establishing of the water rents, or scales of prices or terms upon which water shall be furnished, and the changing and revising thereof, and the regulation of the time of payment, which prices or rents, when so established, shall not be reduced below a fair and reasonable compensation for the use of said water, and said Water and Sewer Commission may require additional rents for use of water whenever extra quantities shall be used exceeding the quantity estimated for the same class of buildings, establishments, or trades in the scale of prices it adopted. Said Water and Sewer Commission shall keep a register of all persons who use the water, and of the prices by them payable therefore, which shall at all reasonable times, be open for inspection by the inhabitant of said Town, and shall make out, or cause to be made out, all bills for water rents, and hand them over to the Tax Collector for the purpose of collection. Said Commission shall have the power to make such rules and regulations, and may amend and alter the same, concerning the use and taking of water, and the repairs of replacing the service pipe leading from the water main to the sidewalk. The present by-laws, ordinances, rules, and regulations of the Winsted Water Division and the scale of prices for the use of water shall remain in full force and effect until amended or changed by said Commission”.

§ 202 – Department of Public Works

1) Operation and Maintenance of the Public Water System:

The Winchester Water and Sewer Commission (hereinafter referred to as the Commission) utilize the Winchester Department of Public Works to operate and maintain the Winsted Water Works public water supply, treatment, and distribution systems.

§ 203 – Inspectors

1) Access to Records and Properties:

- A. The Commission and duly authorized employees of the Commission, bearing proper credentials and identification, shall have, at reasonable times, access to and copy any records or information pertaining to any public water that is being monitored in accordance with the provisions of these Rules and Regulations.
- B. Commission and duly authorized employees of the Commission, bearing proper credentials and identification, shall be permitted to enter upon all properties for the purpose of water record inspection and/or transcribing, surveying, inspection, observation, measurement, sampling and

testing of all water under the management of the Commission, in accordance with the provisions of these Rules and Regulations. The Commission and other duly authorized employees of the Commission shall be allowed access to dwelling units upon reasonable notice to determine the appropriate assessment and water user rate based on existing facilities. If the Commission or other duly authorized representatives of the Commission are not allowed access, the Commission may charge the owner based on the highest rate and the highest allowable assessment.

2) Duty to Observe Safety Rules; Indemnifications:

- A. While performing the necessary work in private properties referred to in Section 203, the Commission and other duly authorized employees of the Commission shall observe all safety rules applicable to the premises as established by the user.
- B. The user shall be held harmless for injury or death to the Commission's employees and the Commission shall indemnify the user against loss or damage to its property by Commission employees and against liability claims and demands for personal injury or property damage asserted against the user and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the user to maintain safe conditions.

3) Access to Water Systems Covered by Easements:

The Commission and duly authorized employees of the Commission, bearing proper credentials and identification, shall be permitted to enter all private properties, through which a proper easement is on record, for the purpose of water record inspection and/or transcribing, surveying, inspection, maintenance, operation, repair and reconstruction of any portion of the water system under the management of the Commission subject to the terms of the easement. All activities and work conducted within said easement shall be performed in full accordance with the terms of the duly-negotiated easement pertaining to the private property.

4) Authority to Issue and Enforce Notices of Violation, Orders, and Penalties:

The Commission and duly authorized employees of the Commission, bearing proper credentials and identification, shall have the authority to serve notices of violations of these Rules and Regulations. The Commission shall be responsible for the enforcement of these Rules and Regulations and shall have authority to issue orders and impose penalties as authorized therein, assess and require payment for consequential damages, and shall have any other powers or authority necessary and proper for the enforcement and the achievement of the goals of these Rules and Regulations.

Article 3 – Definitions and Abbreviations

Unless the context specifically indicates otherwise, the meaning of terms and abbreviations in these Rules and Regulations shall be as follows. Any term or abbreviation not specifically defined shall be deemed to mean the standard industry definition.

§ 301 – Definitions

Act - See "Clean Water Act".

Act of God - shall mean an unusual or unforeseeable manifestation of the forces of nature that could not be prevented.

Assessment Projects - shall mean projects for which the Commission funds the extension of public water facilities into previously un-served areas through the assessment of costs to property owners that will be served by the new facilities.

Auxiliary Meter - shall mean:

- (a) A meter or meters used on a primary water supply other than a municipal water supply.
- (b) A meter or meters used to supplement the meter or meters measuring a municipal water supply and considered necessary in the determination of the sewage service charge and/or surcharge.

Authorized Representative - shall mean:

- (a) A user who is:
 - 1) A principal executive officer of at least the level of vice-president, if the industrial user is a corporation;
 - 2) A general partner or proprietor if the user is a partnership or proprietorship, respectively;
 - 3) A duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the indirect charge originates.
- (b) Any person designated by the Commission to act on its behalf.

Building – Any structure used or intended for supporting or sheltering any use of occupancy

CFR - shall mean Code of Federal Regulation.

Clean Water Act- shall mean the Federal Water Pollution Control Act, enacted by Public Law PL 92-500 and any amendments thereto; as well as any guidelines, limitations and standards promulgated by the Environmental Protection Agency pursuant to the Act.

Commission - shall mean the Winchester Water and Sewer Commission, acting in their capacity as the Town's Water Pollution Control Authority.

Commissioner - shall mean the Commissioner of the Department of Energy and Environmental Protection for the State of Connecticut.

Connection Permit - shall mean a permit issued by the Commission to connect to a water system owned and maintained by the Commission (may also be called "water service permit").

Contamination - shall mean an impairment of the quality of the waters of the state by waste to a degree, which creates a hazard to the public health, e.g., through poisoning or through the spread of disease. Contamination shall include any equivalent effect resulting from the disposal of wastewater, whether or not waters of the state are affected.

Daily Maximum - shall mean the maximum allowable value for any single observation in a given day.

DEEP – shall mean the State of Connecticut Department of Energy and Environmental Protection.

Director or Director of Public Works shall mean the Director of Public Works of the Town of Winchester or his authorized agent, assistant or representative.

Dwelling Unit – shall mean a single unit providing completely independent living facilities for one (1) or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation.

EPA - Shall mean the United States Environmental Protection Agency.

Easement - shall mean an acquired legal right for the specific use of land owned by others.

Equipment - shall mean all movable, non-fixed items necessary to the water treatment, storage, and conveyance processes.

Equivalent Dwelling Unit (also referred to as EDU) – shall mean the daily volume of water consumed by a typical residence in the Town of Winchester. For the purposes of these Rules and Regulations and EDU shall be assumed to be 250 gallons of demand per day.

Federal Act – See: Clean Water Act.

Fee Schedule - shall mean the latest resolution fixing rates charged by the Commission for services rendered as approved or amended by the Commission.

Grab Sample – shall mean a sample that is taken from a water stream on a one-time basis with no regard to the flow in the water stream and without consideration of time.

Maintenance - shall mean keeping the water treatment, storage, and conveyance works in a state of repair and shall include expenditures necessary during the service life of such works to maintain the capacity (capability) for which said works were designed and constructed.

May - is permissive (see "shall").

Mg/L - shall mean milligrams per liter.

Nuisance - shall mean anything which is injurious to health, or is indecent or offensive to the senses, or is an obstruction to the free use of property so as to interfere with human comfort or enjoyment of life or property, whether affecting individual interests per se or affecting at the same time an entire community or neighborhood of any considerable number of persons, although the extent of the annoyance, interference or damage may not be inflicted equally upon the persons therein.

Operation and Maintenance (O&M) Costs - shall mean all costs incidental to the complete operation and maintenance of the public treatment, storage, and/or conveyance works, including replacement costs.

Persons, Establishment or Owner – shall mean any individual, partnership, co-partnership, firm, company, corporation, association, joint-stock company, trust, estate, governmental entity or any other legal entity or their legal representatives, agents or assigns. The masculine gender shall include the feminine, and the singular shall include the plural where indicated by the context.

pH - shall mean the logarithm of the reciprocal of the hydrogen-ion concentration. The concentration is the weight of hydrogen ions in grams per liter of solution.

Private Water-Supply Well – shall mean a privately owned drilled or dug well that supplies water for human consumption.

Privately-Owned Water System - shall mean a water system which is not controlled by a governmental agency or public utility.

Public Authority - shall mean any government entity having jurisdiction.

Public Corporation - shall mean any city, county, school authority, water authority and any other governmental agency or political subdivision clothed with the power of levying taxes or issuing bonds payable from special funds.

Public Water System - shall mean a reservoir, canal, tunnel, treatment works, storage tanks, pumping stations, water mains, and portions of service-line branches that are controlled, owned, operated and maintained by the Commission or other public authority.

Water Use Fee - shall mean the charge, based upon the amount of water supplied to the user or the number of units, that they must pay for the uses of and the services rendered by the public water system of the Commission.

Water System - shall mean any device, equipment, appurtenance, facility and method of collecting, transporting, storing, or treating of water that will be consumed by the Commission's customers.

Shall - is mandatory – (see "may").

Special Meter - shall mean the term applied to an approved meter designed for measurement of water and used specifically for the sole purpose of measuring the amount of water which does not enter the sewage system and for which a user expects to receive a reduction in their sewage service charge.

Standard Methods - shall mean the publication entitled: Standard Methods for the Examination of Water and Wastewater, latest edition, American Public Health Association, American Water Works Association, Water Environment Federation.

State - shall mean State of Connecticut.

Town - shall mean the Town of Winchester in the County of Litchfield in the State of Connecticut.

Toxic Pollutant – shall mean any pollutant or combination of pollutants listed as toxic in regulations promulgated by the Administrator of the Environmental Protection Agency under the provisions of § 307(a) of the Act or other acts.

User - shall mean any person that is connected to the public water system.

User Classification - shall mean the identification of a user as to the type of premises from which water is delivered. Such classification shall be assigned by the Commission and shall include residential, industrial, public and commercial users.

- (a) **Residential User** - shall mean any user whose lot, parcel, or real estate, or building is used for domestic dwelling purposes only.
- (b) **Industrial User** - shall mean any user, which consumes water for use in one or more industrial processes.
- (c) **Public User** - shall mean and include any public or parochial school, college or university, churches, public parks, public or governmental buildings, charitable institutions and other similar users of an eleemosynary nature.
- (d) **Commercial User** - shall mean any and all users of the public water treatment system not otherwise classified.

Waterway or Watercourse - shall mean a channel in which waters of the state flow either continuously or intermittently.

Waters of the State - shall mean all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the state or any portion thereof.

§ 302 – Abbreviations

C°-Celsius

CCF-Capacity Connection Fee

CFR-Code of Federal Regulations

- EDU – Equivalent Dwelling Unit
- ERP-Enforcement Response Plan
- EPA-United States Environmental Protection Agency
- F⁰-Fahrenheit
- GPM-Gallons per Minute
- MGD-Million Gallons per Day
- Mg/L-Milligrams per Liter
- NOV-Notice of Violation
- O&M-Operation and Maintenance
- pH - Negative Log of Hydrogen Ion Concentration
- POTW-Publicly Owned Treatment Works
- PSI - Pounds per square inch.
- PVC-Polyvinyl Chloride
- SNC-Significant Noncompliance
- SU-Standard Units
- USC-United States Code
- USGS-United States Geological Survey

Article 4 – Use of Public Water Required

§ 401 – Water Service Area

- 1) The Town of Winchester Water Service Area shall be as delineated on Map known as “Water Service Area, Town of Winchester Water System”. For additional information and requirements refer to the Commission’s current Water Supply Plan.

§ 402 - Use of Public Water System Required

- 1) The owners of all houses, buildings, or properties within the Town of Winchester that are used for human occupancy, employment, recreation, or other purposes and that are bordering or abutting upon street, alley, water system easement, or water system right-of-way within said Town in which there is now constructed or in which there may hereafter be constructed a public water main, is hereby required at their expense to install suitable plumbing facilities therein, and to connect to the public water system in accordance with these Rules and Regulations within ninety (90) days after official written notice to do so. The requirement to connect shall not apply in cases where other acceptable means of water supply are available and where the building service line would exceed 300 feet in length or where static pressure at the first floor of the building would be less than 40 PSI.
- 2) At such time as public water becomes available for use by property served by an individual private water-supply well, and connection is required by this Section, a direct connection shall be made to the public water system by and at the expense of the property owner. Any well and appurtenances shall be abandoned to the satisfaction of the public authority having jurisdiction over the well.

Article 5 - Private Water Supply Wells*

§ 501 – Private Water-Supply Wells Allowed

Where a public water system is not available to the premises or where no connection to any public water main shall be required as set forth in Article 4, Section 402, Paragraph 2, the building water service may connect to a private, on-site water-supply well that is properly permitted, constructed, and maintained in accordance requirements of the public authority having jurisdiction over the facility's water supply system.

§ 502 – Connection of Private Water System to Public Water System Prohibited

It shall be unlawful for any individual private residential water-supply facility to be connected to any component of the Town's public water system.

** Note: Enforcement of the Rules and Regulations contained in Article 5 is the responsibility of one or more public authorities other than the Commission. Reference to these Rules and Regulations is for informational purposes only.*

Article 6 – Water Service Permit, Connection, Inspection, & Authorization to Connect

§ 601 – Water Service Permit

- 1) No person shall uncover, make connection with or opening into, use, alter, or disturb any part of the public water system or appurtenance thereof without first obtaining a written permit from the Commission or its designated agent.
- 2) There shall be three classes of water service permits:
 - Class 1: Residential and Commercial Uses
 - Class 2: Service to Industrial Establishments
 - Class 3: Developer's Permit for Water System Extension
- 3) Any customer with a valid Class 1 or Class 2 permit who proposes to substantially increase the daily volume or instantaneous rate of water demand by more than 10% in aggregate over a five year period shall apply for an amended water service permit at least 45 days prior to commencement of increases in the demand rate. The customer shall submit plans and a technical report that summarizes water demand estimates (average-daily and peak-hourly demand rates) to the Commission for review. The Commission's shall not levy a new connection fee against the customer; however, the Commission will invoice the customer for the cost of any outside consultants required to review plans and technical reports submitted in support of the amendment request. The Commission must approve the amendment prior to commencement of the increase.
- 4) For all new connections, the owner or his agent shall make application on a form furnished by the Commission. The permit application shall be supplemented by any plans, specifications, or other information relating to the building or quantity or quality of water demand as may be considered pertinent in the judgment of the Commission.

- 5) The Commission will consider issuance of a water service permit only after receipt of:
 - A. Completed application form signed by the owner of the premises to be served or his authorized agent. Note: the contractor who has been chosen to perform the work of installing and connecting the water service to the public water system shall be identified in the permit application form.
 - B. Connection fee, per the Commission's schedule of charges, use fees, and penalties in effect on the date of the applications (the Commission may waive the connection fee at its discretion)
 - C. Estimate of average-daily and peak-hour water demand rates (not required for Class 1 permits that involve one single-family residential water connection)
 - D. Plans, specifications, water demand estimates, or other information (only if required by the Commission)
 - E. Certificate of insurance for the contractor-of-record, with the Town of Winchester and Winchester Water and Sewer Commission named as additional insured
 - F. Performance bond, in amount to be determined by the Commission
 - G. Copy of contractor licenses (minimum requirement: P-7)
 - H. Sufficient evidence that a building permit has been issued by the Winchester Building Official
- 6) A water service permit must be obtained for each water service connection and/or each equivalent unit. No authorized person or public corporation shall uncover, make any connections with or opening into, use, alter or disturb any Commission water main, service line, or appurtenances thereof without first obtaining a written permit from the Commission at least three working days before commencing work.
- 7) The Commission's staff will issue the water service permit with a designated capacity allocation for said property only after the Commission's staff has reviewed the application and determined that:
 - A. The application and associated submittals are complete
 - B. The connection fee payment has been received
 - C. All necessary easements have been obtained.
- 8) Upon approval of the application and associated submittals, the Commission shall issue a permit to have the work performed by the contractor identified on the permit application. In the event the premises changes ownership before the work is completed, or if another contractor is chosen to perform or finish the work, the original permit becomes void and a new permit must be obtained by the new parties in interest.
- 9) The Commission may revoke and annul a water service permit for such identified cause and at such times as may be deemed sufficient. The property owner shall hold harmless the Town of Winchester, the Winsted Water Works, and the Commission as a consequence of said revocation or the cause thereof. All other parties in interest shall be held to have waived the right to claim damages from the Town of Winchester, the Winsted Water Works, and the Commission or its agents on account of said revocation.

§ 602 – Water Service Connections

- 1) A separate and independent water service line shall be provided to each individually-owned building, or condominium unit that is to be occupied unless otherwise approved by the Commission. The minimum size for a water service connection shall be one inch in diameter for a single family residential unit or small commercial or industrial unit with a water demand of 300 gallons per day or less. Pipe larger than the minimum size specified herein shall be used when the Commission determines that the size of the

structure, estimated peak demand rates, water service line length and friction losses, numbers and kinds of fixtures connected, or other conditions warrant the use of a larger diameter.

- 2) All costs and expense incidental to the installation and connection of the water service connection shall be borne by the owner of the premises served by the public water system, and said owner shall be responsible for all maintenance, operation, repair, and reconstruction of the water service from the building or buildings served to, and including, the curb stop. The owner shall indemnify the Town of Winchester, the Winsted Water Works, and the Commission, as their interests may appear, from any loss or damage that may directly or indirectly be occasioned by the installation or maintenance of the water service line. Following construction and acceptance of a water service line, the Winsted Water Works shall assume responsibility for maintenance, repair, and replacement of certain portions of the water service line as required by the Connecticut General Statutes.
- 3) Existing water service lines may be used to service new buildings only when they are found by the Commission to meet all of the requirements of these Rules and Regulations.
- 4) Only qualified personnel may connect water service lines to the Town's public water system.
- 5) The water service shall be constructed of materials meeting the Commission's Technical Standards and requirements of applicable local and state plumbing codes.
- 6) Water service lines shall be constructed as part of the improvements to the premises served.
 - A. The water service line may be connected to the public water system at the curb stop, if a service connection is available at this location under the following conditions:
 1. The existing water service line is constructed of a size and material acceptable to the Commission
 2. Water services intended to be reused shall be pressure tested for leakage from the building to the point of connection at the curb stop to the satisfaction of the Commission.
 - B. Where no service connection exists, the owner of the premises shall construct a new water service line from the public water system to the building or buildings served at his or her own expense, under the supervision of the Winsted Water Works. The location of the connection to the public water system will be determined by the Winsted Water Works.
 - C. For each new service line equal to or less than one inch in diameter, the Winsted Water Works will furnish one corporation valve, service pipe from the water main to the property line, one curb stop, and one curb box with cover at no cost to the owner of the premises. The owner of the premises will be responsible for purchasing all components for service lines greater than one inch in diameter.
 - D. No water service line shall be laid parallel to or within three (3) feet of any bearing wall, which might thereby be weakened. The depth shall be sufficient to afford protection from frost.
- 7) The water service permit holder will be held responsible for the proper installation of the water service in accordance with these Rules and Regulations, subject, however, to the condition that they or it holds the Town of Winchester, the Winsted Water Works, and the Commission, as their interests may appear, harmless from any loss or damage.
- 8) The Commission and its designated agents reserve the right at all times, and without previous notice, to shut off the water for necessary repairs, extending, or other necessary purposes of the works. The Commission, the Winsted Water Works, the Town of Winchester shall not be held responsible or liable to water customers for damages occurring as a result of a shut down.
- 9) The owner of any premises must keep the service pipe leading from the stop cock at the street line to the subject premises and the pipe and fixtures on the premises in good repair, protected from frost, and must prevent the unnecessary waste of water.

- 10) Any person making connection, either directly or indirectly, to the public water system without first obtaining a water service permit and paying applicable connection fee shall be deemed to have made an illegal connection to the public water system and shall be liable to the Commission for the amount of the connection fee in effect at the time the illegal connection is discovered by the Commission's personnel, in addition to any other penalty or action which the Commission may impose or seek to have imposed pursuant to the Connecticut General Statutes or these Rules and Regulations.
- 11) No customer of the Winsted Water Works shall supply water to any other tenant, family or person, or use it in excess or for the purpose not contemplated in the customer's application for which they have not paid, and in the event that they do so supply, take, or use water, the customer will be liable to be charged with not less than a year's rent for such water and to have their water shut off from the premises at the discretion of the Commission or their designated agent. The offending customer may also be held liable for any other penalty or action which the Commission may impose or seek to have imposed pursuant to the Connecticut General Statutes or these Rules and Regulations.
- 12) Existing water-supply wells shall be abandoned in accordance with requirements of the applicable public authority when the building is connected to the public water system.
- 13) No person or public corporation shall make direct connection upstream of the water meter without first receiving approval of the Commission. Upon discovery of such improper connections, the Commission shall notify the property owner to remove any improper connections within 30 days of notification and return the public water system and associated appurtenances to a satisfactory condition. Upon completion of the disconnection, the property owner shall notify the Commission to conduct an inspection of the rehabilitation work.
- 14) When any building, or other structure previously served by a connection to the public water system is demolished, destroyed, abandoned, the service line shall be promptly closed and sealed off at the street line so that no water may be withdrawn from or flow from the service line. The Commission shall be notified at least one full working day in advance of such abandonment or discontinuance and of the closing and sealing of such pipe, and any such work shall be made only in the presence of and according to the instructions of the Commission or its authorized representative. All of said work shall be completed by the person or party who demolishes the building or structure or who alters the plumbing of the premises so as to make such closing and sealing necessary, and, in the event of failure of such person or party to do so, shall be done by the owner, lessee, or tenant of the premises to the satisfaction of, and without expense to, the Commission.

§ 603 – Inspections

- 1) No excavation for a water service connection may commence until all the necessary permits, including any required street opening permits, have been obtained and paid for.
- 2) All excavations shall be adequately guarded with suitable barricades, signage, lights, and plating so as to protect the public from hazard. All work in the existing Town streets shall be supervised by Town of Winchester personnel.
- 3) The water service line shall not be connected to the public water system until the Town of Winchester Building Official has approved the building's water and sewer plumbing systems.
- 4) The water service permit holder or the contractor shall notify the Commission or its designated representative at least one full working day in advance of when the water service and/or water service connection will be ready for inspection. The Commission shall supervise the connection to the public water system, the curb-stop, and the connection between the water service line and the facility's water meter.
- 5) The water level in all water service excavations shall be maintained at a level below the service line invert

to accommodate proper construction and appropriate inspections, until such time as the water service and related connections have been inspected, approved, and backfilled.

- 6) No trench containing a water service line shall be backfilled until the Commission or its authorized representative has completed an inspection of and approved the work.
- 7) Connections to the public water system shall not be allowed on Saturday, Sunday or municipally-recognized holidays unless specifically authorized in writing by the Commission.
- 8) Streets, sidewalks, parkways and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the Town of Winchester.
- 9) Staff of the Winsted Water Works shall be permitted during all proper hours to visit all places where public water service is provided and shall have the right all times, and without previous notice, to shut off the water service for violation of these Rules and Regulations. Water service shall not be restored until all arrears of rent, expenses of shutting off and letting on are paid by the owner of the premises in accordance with the Commission's prevailing schedule of charges, use fees, and penalties.

§ 604 – Approval of Construction and Authorization to Connect to Public Water System

- 1) A signature on the approval line of the Commission's water service permit application form, made by an authorized representative of the Commission, shall constitute:
 - A. Approval of completed construction work for the water service and related connections
 - B. The Commission's authorization to connect to the public water system

Article 7 Extension of Water Distribution Facilities

§ 701 – Types of Water Main Extension Projects

The Commission may extend or allow the extension of public water facilities by one or a combination of the following methods:

- 1) Capital Project
- 2) Assessment Project
- 3) Privately-Funded Projects by Developer's Agreement

§ 702 – Conformance with Water Supply Plan

Regardless of the method used to construct extension of water service facilities, the Commission shall approve extensions only in conformance with the Commission's prevailing Water Supply Plan.

§ 703 – Capital Projects

The Commission, at its discretion, may elect to extend the public water system as a capital project and recover costs through grants, loans, and/or future service connection charges.

§ 704 – Assessment Projects

The Commission, at its discretion, may elect to extend public water facilities as an assessment project as defined herein, and in a manner consistent with the Connecticut General Statutes. The Commission may, at its discretion, offset assessments with its own capital and/or with grants and loans.

§ 705 – Privately-Funded Projects by Developer’s Agreement

- 1) The Commission may enter into a Developer’s Agreement with adjacent municipalities, private individuals or corporations (hereinafter collectively referred to as Developer) who wish to extend the public water system into un-served parts of the Commission’s designated Water Service Area. The Commission may allow a Developer to connect to and extend the public water system, provided that:
 - A. The proposed extension is consistent with the Commission’s prevailing Water Supply Plan.
 - B. Capacity exists within the public water system to accommodate the additional demand.
 - C. The Commission approves the designs, engineering reports, and construction cost estimates for the project.
 - D. The Developer secures other local, state, and federal permits and approvals required for the project prior to commencement of construction.
 - E. The Commission and Developer enter into a formal agreement for the construction, inspection, and acceptance of water system improvements.
 - F. The Developer bears the entire cost of the extending the public water facilities, unless the Commission agrees to alternate terms.
 - G. The Developer complies with the requirements of these Rules and Regulations.
- 2) The Commission and Developer shall follow a multi-step process during the approval and construction processes for privately-funded extensions of the public water system system:

Step 1 - Conceptual Design Review

- A. The conceptual design review process may take place prior to or concurrent with the Developer’s Planning and Zoning Commission applications for land-use permits.
- B. The Commission will receive applications for conceptual design review at the Winchester Department of Public Works at 189 Rowley Street during normal business hours (Monday through Friday, 7:00 AM to 3:30 PM)
- C. The Commission shall conduct a conceptual design review of the Developer’s proposed extension project upon receipt of an application. The Developer’s application for conceptual design review shall consist of a letter of intent, preliminary design plans for the development and the proposed extension of the public water system, and an application fee as determined by the Commission’s prevailing schedule of charges, use fees, and penalties.
 1. The letter of intent shall address the following issues:
 - a) Notice that the Developer intends to connect to and extend the Town of Winchester Public Water System
 - b) The location of the proposed development, including the Assessor’s map-block-lot numbers and street address, if established
 - c) Type of proposed development (e.g. residential, institutional, commercial, industrial, etc.)
 - d) Size of development, estimate of EDU’s, and estimate of average-daily and peak-hour water demand rates with appropriate allowances for irrigation system demands and minor line losses.

- e) Prediction of high and low pressure values within the proposed extension under normal demand periods and during fire-flow episodes.
 - f) Anticipated schedule for the development, including a description and estimated duration of individual phases
2. The preliminary design plans shall be prepared at a scale appropriate to depict the general features of the proposed development and extension of the public water system, typically at 1"=100' for larger projects and 1"=40' for smaller projects. The preliminary design plans shall address existing and proposed topography, approximate location and elevation of nearby flood plains, street, building, and parking-lot layout, water distribution system layout, including the proposed location of fire-hydrants, blow-offs, air-release facilities, pumping stations, storage tanks, and proposed water system easements.
- D. Upon receipt of the application materials and deposit fee, the Commission will conduct a review in accordance with the Commission's normal practice. Time frames for the review will commence at the next regularly-scheduled meeting of the Commission following receipt of the application materials and application fee.
- E. Upon review of the application material by the Commission and its staff, the Commission will issue a written statement of findings to the Developer, with a copy distributed to the Chairman of the Winchester Planning and Zoning Commission. The written summary will generally:
- 1. Render a favorable or unfavorable opinion regarding feasibility of the proposed development and extension of the public water system.
 - 2. Confirm whether the Town's water filtration plant possesses the capacity to accommodate the additional demand.
 - 3. Address potential capacity concerns at upstream storage tanks, water mains, and pumping stations.
 - 4. List requirements for subsequent engineering studies that will be required during the final design review process.
 - 5. List other special requirements and/or conditions of approval that will likely be imposed on the Developer during or following the final design review process.
 - 6. Authorize the Developer to proceed with final design in cases where the Commission renders a favorable opinion regarding the feasibility of connecting to and extending the public water system.

Step 2 - Final Design Approval

- A. The final-design approval process may take place concurrently with or subsequent to the Planning and Zoning Commission approval process.
- B. The Commission will receive applications for final-design approval at the Winchester Department of Public Works at 189 Rowley Street during normal business hours (Monday through Friday, 7:00 AM to 3:30 PM).
- C. The Commission will review the final design of a proposed extension to the public water system upon receipt of a complete application. The Developer's application for final design approval shall consist of a letter of transmittal, engineering report, final design plans, technical specifications, construction cost estimate for the proposed improvements, and a deposit fee in accordance with the Commission's prevailing schedule of charges, use fees, and penalties.

- D. The Commission will conduct the final-design approval process in accordance with the Commission's normal practices. Time frames for the review will commence at the next regularly-scheduled meeting of the Commission following receipt of the application materials and application fee.
- E. Application materials for extensions of the public water system shall be prepared in accordance with the Commission's Technical Standards by a professional engineer licensed in the State of Connecticut.
- F. The Commission or its authorized representative shall review of the application materials and shall prepare a written recommendation to the Commission for approval, approval with conditions, or denial of the final design application. The Commission may, at its discretion, retain the services of outside engineering consultants and legal counsel to assist with the technical review and preparation of recommendations.
- G. The Developer may opt to amend or revise the final design submission in response to review comments and recommendations offered by the Commission before submission to the Commission for action.
- H. Upon completion of the Commission's review and any amendments or revisions proposed by the Developer in response, the application shall be considered ready for action by the Commission.
 - 1. If the Commission is inclined to approve the application, then they shall refer the application to the Winchester Planning and Zoning Commission for review, as required by Section 8-24 of the Connecticut General Statutes.
 - a) If the Planning and Zoning Commission returns a favorable 8-24 review, the Chairman shall submit the application to the Commission for a vote. The Commission may vote to approve the application or approve the application with conditions.
 - b) If the Planning and Zoning Commission returns an unfavorable review, then the Commission shall refer the application to the Winchester Board of Selectmen for action.
 - 2. The Commission may deny the application, with no further action.
- I. In rendering a decision to approve, approve with conditions, or deny an application for final design approval, the Commission shall take into account the recommendations submitted by its staff, outside engineering consultants, and legal counsel; however, the final decision rests with the Commission.
- J. If the Commission approves the final design application, the Developer shall incorporate any conditions of approval into the final design plans, specifications, and construction cost estimate and submit one set of recordable documents to the Commission. The Chairman of the Commission shall sign the final design documents and advise the Developer to file the signed final design documents in the Town Clerk's Office.
- K. The Developer shall be required to pay all costs incurred by the Commission for engineering reviews, legal advice, legal advertisements, and recording fees associated with the final design review and approval process. The Commission shall, from time to time during the review and approval process, provide the Developer with an accounting of charges already incurred and reasonable estimates of remaining charges. If the actual costs incurred by the Commission exceed the deposit fee stipulated above, the Developer shall make up the balance upon demand by the Commission as a condition precedent to a final decision. Failure on the part of the Developer to pay all balances due shall constitute sufficient cause for denial of the final design application by the Commission. If the deposit fee exceeds the costs actually incurred by the Commission, the Commission shall refund the balance to the Developer within 60 days after final accounting of charges has been completed.

Step 3 – Developer’s Agreement

- A. Following approval of the final design plans, technical specifications, and cost estimate by the Commission, but prior to commencement of construction, the Developer and Commission shall enter into an agreement for construction of the proposed improvements on a form prescribed and prepared by the Commission. The agreement shall contain the provisions outlined in a document entitled “Terms of Developer’s Agreement” as appended to these Rules and Regulations.

Article 8 (Vacant – Reserved for Future Use)

Article 9 – Protection from Damage, Unauthorized Operation, and Meddling

§ 901 – Damage Prohibited

No unauthorized person shall maliciously, willfully or negligently operate, break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the Winsted Water Works public water system. Any person violating this provision shall be subject to immediate arrest and subject to fine in accordance with the Commission’s prevailing schedule of charges and penalties.

Article 10 – Penalties

§ 1001 – Written Notice to Cease and Correct Violations

Any person who shall violate any provisions of this regulation, except those stipulated in Section 901, shall be served with written notice setting forth the nature of the violation and requiring that the same be satisfactorily corrected within a time set forth in said notice, which times shall be reasonable considering the nature and circumstances of the violation. Any person so served shall, within the time state in such notice, permanently cease all violations of this regulation.

§ 1002 – Penalty for Violations

Any person who shall continue any violation beyond the time set forth in any notice served upon him in accordance with the provisions of Section 1001 of this article shall forfeit and pay to the Commission the sum for each such violation as stipulated in the Commission’s prevailing schedule of charges and penalties. The violator may be prosecuted criminally for such violation and fined not more than the amount stipulated in the Commission’s current schedule of charges and penalties for each offense; provided, however, that each day in which any such violation shall continue shall be deemed a separate offense; and, provided further that no person shall be sued in a civil action and prosecuted criminally by the Town of Winchester for the same offense.

§ 1003 – Liability for Damages

Any person violating any of the provisions of this regulation shall become liable to the Commission and/or the Town of Winchester for any expense, loss or damage occasioned the Town by reason of such violation.

Article 11 – Liens

§ 1101

Whenever any person shall be ordered to make any connection as set forth in Article 4 Section 402 of these Rules and Regulations and when any person shall have been ordered to discontinue any violation as set forth in Article 10, Section 1001, and shall fail to do so within the time set forth in said notice the Commission may cause the same to be done, and collect the expense thereof from such person, and such expense shall become a lien against the property of such person until paid, and all provisions of the General Statutes relating to the recording, continuing and releasing of property tax liens shall apply.

§ 1102

The provision of Section 1101 of this article shall be in addition to, and not in derogation of, the provisions of the Charter of the Town of Winchester as amended.

Article 12 – Assessments, Charges, and Rentals

§ 1201 – Connection Fee

- 1) The fee for each connection to the public water system shall be as stipulated in the Commission's prevailing schedule of charges and penalties.
- 2) The Commission, at its sole discretion, may reduce or waive the connection fee.

§ 1202 - Water Use Fee

1) General

The purpose of this Section is to:

- a) Establish fair and reasonable charges for the use of the Winsted Water Works public water system so that the operation and maintenance of said public water system shall be self-supporting. This user charge system is designed to produce sufficient revenues required for the operation and maintenance, including capital replacement of the public water system. Each user that increases its demand on said facilities that cause an increase in the cost of operation and maintenance shall pay for such increase.
 - b) Provide that each user or user class pays its proportional share of operation and maintenance, including capital replacement, costs of the public water system within the Winsted Water Works service area, based on the user's proportionate contribution to the total water demand from all users or user classes based on actual or estimated use of public water services.
 - c) Generate sufficient revenue to offset the cost of all treatment works operation and maintenance, including capital replacement costs.
- 2) The Commission may amend the water use fee from time to time, as necessary to meet the objectives of the foregoing paragraph.
 - 3) The water use fee shall be as established in the Commission's prevailing schedule of use fees.
 - 4) In addition to the Commission's water use fees, the Commission may also bill and collect charges due to contractual arrangements the Commission may have with cities or organizations within the Winsted Water Works service area. The charges appear on the regular Commission bill as separate items and are not part of the water use fee and/or rates established by the Commission.

- 5) In all occupied premises, every private fountain, hydrant, bath, water closet, sink, or other fixture, whether used or not, will be deemed and held as used, and will be charged for so long as such fountain, hydrant, bath, water closet, sink, or other fixture shall remain connected with the pipes of the Winsted Water Works, unless the owner or occupier of the premises shall have given written notice to the Winsted Water Works of its disuse, when a disconnection will be made at the expense of the owner, and the use of the water charged for to the time that the Winsted Water Works receives such notice. The charge to the owner for shutting off said water shall be in accordance with the Commission's prevailing schedule of charges and penalties.
- 6) When the water system is available, it will be presumed that the water from the public water system is consumed at the premises and the property shall be billed for water service. This shall apply to all premises within the Winsted Water Works service area.
- 7) Where new public water mains are constructed, all premises shall be connected to the new water mains in accordance with these Rules and Regulations and shall be subject to the water use fee as soon as connections are made to the new water system. However, if the making of the connection is delayed, the property shall be subject to the water use fee ninety (90) days after the water system is in operation and/or accepted by the governmental agency having jurisdiction over the water system. For water-system assessment projects, this time requirement applicable to the water use fee shall be reduced to thirty (30) days after the water system is in operation and/or accepted. This shall apply to all premises within the Winsted Water Works service area.
- 8) Alternative sources of water supply that supplement water furnished to a premises by the public water system shall be registered in writing with the Commission, giving name of individuals or firm, address, source and amount of water supply other than that from the public water supplies, together with a sketch to a scale showing plan of property, water distribution system, sewer layout and existing meters.
- 9) Any customer who is found to be connected to the public water system but has not been billed shall be billed back maximum of three billing periods from time the connection is discovered.
- 10) Payment for Services:
 - A. The water use fee and surcharge, if any, shall be billed and collected by the Tax Collector of the Town of Winchester.
 - B. Payment of the water use fee and any surcharges will be due and payable in accordance with the Winchester Tax Collector's current policies and requirements. All rents and charges, if not paid when due, shall constitute a lien on the premises served. The Winsted Water Works shall have all remedies available to it under the Connecticut General Statutes, and specifically but not limited to those under Section 7-239 with respect to interest, costs, attorney's fees, and other charges, all as allowed by said statutes, as they may be amended from time to time.. The right of the municipality to terminate services to individual customers shall also be in accordance with said Connecticut General Statutes, all as may be amended from time to time.
 - C. In case of failure of any user to pay for services rendered, the Winchester Tax Collector will pursue past-due balances using the Town's prevailing collection process.
 - D. For all past due accounts, the Commission may, at its sole discretion, shut off the water service to such user's premises until such time as all delinquent charges, plus charges as stipulated in the Commission's current schedule of charges, use fees, and penalties for turning the water service off and a separate and additional charge to restore water service against such user, are paid in full or have acceptable payment arrangements made. The Commission may institute actions in a court having jurisdiction for the recovery of such delinquent bills.
 - E. Upon full payment of such delinquent account plus a reasonable charge for turning off and on the water service, the water service can again be provided to said user's premises.

- F. Payment of the water use fee shall be made in accordance with the Winchester Tax Collector's current policies and requirements.
- G. Any service fee levied by the Winchester Tax Collector for returned checks is in addition to all other charges and penalties as described in the Commission's Rules and Regulations.

§ 1203 – Charges for Review of Applications

- 1) Applicants for various permits issued by the Commission shall be required to compensate the Commission for all costs incurred by the Commission for outside engineering reviews, legal advice, legal advertisements, and recording fees associated with the application review and approval process. The Commission shall, from time to time during the review and approval process, obtain advance proposals from outside consultants and provide the applicant with an accounting of charges already incurred and reasonable estimates of remaining charges. If the actual costs incurred by the Commission exceed the fees deposited on account, the Applicant shall make up the balance upon demand by the Commission as a condition precedent to a final decision. Failure on the part of the applicant to pay all balances due shall constitute sufficient cause for denial of application by the Commission. If the deposit fee exceeds the costs actually incurred by the Commission, the Commission shall refund the balance to the applicant within 60 days after final accounting of charges has been completed.
- 2) Refer to the Commission's current schedule of charges, use fees, and penalties for costs relating to review of applications.

Article 13 – Meters

§ 1301 – Primary Water Service Meters

- 1) Water meters shall be required on all service connections to the Winsted Water Works public water system. The purpose of the primary water meter at the premises shall be to measure consumption for billing purposes.
- 2) The size, make, model, and measuring precision of each primary water meter must be approved by the Winsted Water Works prior to installation.
- 3) The Owner of the premises shall bear the cost of purchasing the primary water service meter, subject to the following provisions:
 - a. For water service meters one-inch in size and smaller, the meter must be purchased from the Winsted Water Works.
 - b. For water meters larger than one-inch in size, the owner of the premises must purchase the approved size, make, and model meter on the open market.
- 4) The owner of the premises shall bear the cost of installing the primary water service meter. All meters shall be installed by a Connecticut-licensed plumber.
- 5) One meter, and one meter only, will be allowed on a service pipe, and all water supplied to the premises through that pipe except that used for fire protection only, must pass through that meter. This requirement excludes auxiliary and special meters as described in Section 1302.
- 6) The owner of the premises shall, to the satisfaction of the Winsted Water Works, furnish a proper place for the installation of the meter where it will be accessible for reading and repairing during regular working hours. The meter settings shall be installed in a horizontal position in the building piping immediately after the main shut-off and as near to where the service pipe enters the building as possible. In the event that

such location cannot be provided just inside the building wall and of easy access at all times for reading or other attention, the Commission may require the owner of the premises, at said owner's expense, to install the meter at the street line, near the curb stop, in a suitable housing or pit.

- 7) The Winsted Water Works will maintain the meter without charge once it is installed by the owner's plumber and the installation is accepted by the Winsted Water Works. However, in case of loss, misuse, or damage by frost, hot water, or external cause, the expense of replacement or repair shall be borne by the owner of the premises.
- 8) If the owner of the premises has reason to believe that a meter is not registering accurately, the Winsted Water Works will test the meter if requested by the owner of the premises so to do. If the meter so tested is found to be registering without error or exceeding limits specified by the Connecticut Public Utilities Regulatory Authority, the owner of the premises will be charged for the expense of testing the meter. If, however, the meter is found to be registering in excess of the limits specified above, there will be no charge for testing, and the owner of the premises will be given a rebate on the basis of the excess error in registration in accordance with the rules of the Connecticut Public Utilities Regulatory Authority for the period subsequent to the meter reading for the most recent invoice for water.
- 9) Any owner who refuses to allow access to their premises to Winsted Water Works staff for the purposes of the installation of a meter shall be subject to a discontinuance of water service. The discontinuance shall continue until the meter is installed and the owner has paid all charges imposed by the Commission per its prevailing schedule of charges and penalties.

§ 1302 – Auxiliary and Special Meters

A. General

1. Auxiliary or special meters shall be of a size, make, model, and measuring precision as approved by the Winsted Water Works and shall be installed at the expense of the owner unless other arrangements are authorized in writing by the Commission. No meter shall be installed before the Commission grants approval of the installation. All meters shall be installed in accordance with the Commission's Technical Standards and these Rules and Regulations.
2. Meters to be used as auxiliary meters or special meters which will be approved are as follows:
 - a) Crest or turbine type meters of two (2) inch size and over, to be used where it is established the particular meter is under a full head at all times, provided such meters are tested and passed for large constant flows by an independent testing laboratory or a water department and certified by same.
 - b) Meters used currently for tax purposes by the United States Government will be accepted without tests.
3. Existing private meters now in place may be continued in use on conditional basis. If such meters are suspected of faulty registration, they are subject to a test when so ordered by the Commission.

B. Auxiliary Meters

1. The Commission shall have the authority to permit or to require additional meter(s) to be installed at the applicant's expense, so as to measure the quantity of water actually entering the wastewater treatment system and to determine the sewer use fee or surcharge.
2. Auxiliary meters for determining the sewer use fee or surcharge shall be installed, owned and maintained by the property owner. However, following the installation of such meters and approval of the installation by the Commission, meters may not be removed without the prior approval of the Commission.

3. Where private meters are used on wells, or in an industrial, commercial or private water distribution system and such meters are set behind the meters used to register the primary water supply to a lot, land or premises, the installation is subject to the inspection and approval of the Commission.

C. Special Meters

1. All requests for installation of special meters and reductions in sewer service charge must be in writing, using a special meter installation form, to the Commission.
2. Special Meter Requirements - An approved, permanently installed special meter (no hose connections or portable meters) designed for measurement of water flows must be used to measure all water that does not enter the sewage system. All special meters must register in the same units (gallons or cubic feet) as the public water supply meter that serves the user.
3. Meter Approval - All special meters must be approved by the Commission to receive credit. It shall be the responsibility of the user to verify that the water does not enter the sewage system. Only water measured with the approved special meter shall qualify for a reduction in sewer service charges. Where a portion of the special metered water discharges to the sewer system, only partial credit will be given based on information supplied by the user and as determined by the Commission. No refunds, credits, reductions or allowances will be given covering any period prior to the date the Commission approves the request for installation of a special meter.
4. Right to Inspect Meters - The Commission reserves the right to enter a user's premises, to inspect the installation of all special meters and to verify all readings. If completed forms do not correspond with actual readings, then all reductions will be based on actual meter readings.
5. Special Meter Responsibility - The Commission assumes no responsibility for installation, maintenance or mechanical condition of the meter. No reductions will be approved if the meter fails to operate properly. No estimated readings will be acceptable as a basis for reduction in sewer service charges. If a meter is suspected of faulty registration, the Commission may order a test and/or replacement of meter.
6. Meter Reading Submittal - The user is responsible for reporting all readings to the Commission. The Commission assumes no responsibility for the readings until received at the Department of Public Works office. All readings must be recorded on the official form provided by the Commission and mailed to the Commission's main office. Forms will be automatically forwarded to the user on a yearly basis. All reductions will be computed based on the Commission's current approved rate schedules in effect at the time the water was used. The Commission at its discretion may perform all meter readings.
7. Meter Reading Time Limit - All special meter forms must be received by the Commission before the sewer use fee is processed for each billing period. If the reading is not received before the processing of the sewer use fee, then the total water consumption from the public water supply meter and any auxiliary meter will be used. For annually read special meters, the special meter refund forms must be completed and mailed to the Commission within thirty (30) days of when the Commission mailed the forms to the user. No reductions will be allowed to a user's sewer use fee once the billing has been computed and/or processed. The reduction will be carried forward to the next billing period. No reduction in a user's sewer use fee will be allowed for accounts that have been inactive for a period of twelve (12) months or more since the last form submittal.
8. Special Meter Refund Limitations - Requested reductions or credits to a user's sewer use fee will not be greater than a minimum bill per current approved rates, for the applicable billing period. The amount of reduction associated with a special meter credit cannot amount to more than the

total sewer use fees associated with the usage from the user's water supply meter(s) for the same period of time.

Article 14 – Compliance with other Statutes, Codes, Regulations and Standards

§ 1401 - Other Statutes, Codes, Regulations and Standards

- 1) Present and prospective users of the water works of the Commission are herewith advised and warned of other existing regulations, codes, ordinances and laws governing the requirements for use and control of sewage systems and the requirements of their compliance.
- 2) Users and plumbers employed by the user are required to comply with any applicable State Building Code, Rules and Regulations issued by the Connecticut Department of Energy and Environmental Protection and the Connecticut Department of Public Health
- 3) Every person and public corporation desiring to install or enter into a contract for the installation of a public, semi-public or industrial water system, or to make additions or alterations in such treatment or pretreatment plant or to alter or extend any such water main shall comply with all design and construction standards and specifications of the Commission, all rules and regulations of the local board of health in which the facility exists or is to be constructed, and comply with all codes, rules and regulations of the Connecticut Department of Energy and Environmental Protection and the Connecticut Department of Public Health. No such installations, additions or alterations shall begin until the plans and specifications, therefore, have been submitted to and approved by the Commission and/or their authorized representatives.
- 4) No person or public corporation shall install within the Town of Winchester any water mains, service lines, storage facilities, or pumping stations for the treatment, storage, or conveyance of water, until the plans therefore have been submitted to and approved by the Commission. Any installation contrary to the provisions of this section shall constitute a nuisance and shall be abated upon proper application by anyone aggrieved, including the Commission, the state Department of Public Health and the Torrington Area Health District.

Article 15 – Validity

§ 1501 – Validity

- 1) All rules and regulations or parts thereof, in conflict herewith are hereby repealed.
- 2) If the provisions of any paragraph, section or article of these Rules and Regulations are declared unconstitutional or invalid by the final decisions of any court of competent jurisdiction, the provisions of the remaining paragraphs, sections or articles shall continue in full force and effect.

APPENDIX NO. 1

Schedule of Charges and Penalties

Prepared By:

**TOWN OF WINCHESTER
CITY OF WINSTED**



Water and Sewer Commission

Adopted & Effective Date: June 11, 2013

The Town of Winchester is an equal opportunity provider, employer and lender

APPENDIX NO. 1

**Town of Winchester – Water and Sewer Commission
Schedule of Charges and Penalties**

Water Use Rates (Effective 2nd Quarter of 2013; to be invoiced in August 2013)

Usage Customers:

<u>Customer Type</u>	<u>Base Rate</u>	<u>Fixture Charge</u>
Single Unit Customer:	\$ 380.00 Per Year	Plus \$ 92.00 Per Fixture Per Year
		or
	<i>(\$ 95.00 Per Quarter</i>	<i>Plus \$ 23.00 Per Fixture Per Quarter)</i>
Multiple Unit Customer:	\$ 452.00 Per Year	Plus \$ 92.00 Per Fixture Per year
		or
	<i>(\$ 113.00 Per Quarter</i>	<i>Plus \$ 23.00 Per Fixture Per Quarter)</i>

Metered Customers:

Meter Size	Flat Rate		Cost For Metered Water Usage
5/8 Inch	\$ 316.00 per year (\$ 79.00 quarterly)	Plus	\$3.626 per 100 cubic feet for the first 20,000 gallons then \$3.302 per 100 cubic feet for all usage in excess of 20,000 gallons.
3/4 Inch	\$ 376.00 per year (\$94.00 quarterly)	Plus	
1 Inch	\$ 640.00 per year (\$160.00 quarterly)	Plus	
1.5 Inches	\$ 1,296.00 per year (\$ 324.00 quarterly)	Plus	
2 Inches	\$ 2,224.00 per year (\$ 556 quarterly)	Plus	
3 Inches	\$ 5,172.00 per year (\$1,293.00 quarterly)	Plus	
4 Inches	\$ 8,984.00 per year (\$ 2,246.00 quarterly)	Plus	

Notes:

1. One cubic foot contains 7.48 gallons
2. Bills are generated quarterly
3. Metered accounts are billed for usage from previous quarter (e.g. November billing is for the July - September Quarter)

(Continued, Next Page)

APPENDIX NO. 1

**Town of Winchester – Water and Sewer Commission
Schedule of Charges and Penalties**

Penalty for violation of Section 901:

\$1,000.00 per violation

Penalty for violation of the Water Rules and Regulations, excluding violation of Section 901, per Section 1002:

Maximum of \$100.00 per violation

Maximum of \$500.00 per each offense

Connection Fee per Section 1201 (adopted September 16, 2003):

\$1,000.00 per connection to the public water system

Charge for turning water service off in response to non-payment of water bills:

\$25.00 per occurrence

Charge for turning water service on following full payment of delinquent accounts

\$25.00 per occurrence

Charges for review of applications:

Type of Application	Deposit	Balance of Charges
Class 1 – One to Three Residential Units	\$ 25.00 per EDU	Actual costs incurred (if any)
Class 1 – Multi-Family Residential Development	\$ 50.00 per EDU	Actual costs incurred less deposit
Class 1 – Commercial; 4 EDU or less	\$ 25.00 per EDU	Actual costs incurred (if any)
Class 1 – Commercial; Greater than 4 EDU	\$ 50.00 per EDU	Actual costs incurred less deposit
Class 2 - Industrial	\$ 100.00 per EDU	Actual costs incurred less deposit
Class 3 – Preliminary Design	\$ 25.00 per EDU	Actual costs incurred less deposit
Class 3 – Final Design	\$ 50.00 per EDU	Actual costs incurred less deposit

APPENDIX NO. 2

Terms of Developer's Agreement For Water System Extensions

Prepared By:

**TOWN OF WINCHESTER
CITY OF WINSTED**



Water and Sewer Commission

Adopted & Effective Date: June 11, 2013

The Town of Winchester is an equal opportunity provider, employer and lender

APPENDIX NO. 2

Town of Winchester - Water and Sewer Commission Terms of Developer's Agreement for Water System Extensions

The Town of Winchester Water and Sewer Commission (hereinafter referred to as the Commission) will allow privately-funded extensions of the Town's public water system only through a formal contract known as a Developer's Agreement.

Following approval of the final design plans, technical specifications, and cost estimate by the Commission, but prior to commencement of construction, the Developer and Commission shall enter into an agreement for construction of the proposed improvements on a form prescribed and prepared by the Commission. Unless modified by mutual consent, the agreement between Developer and Commission shall include the following attributes:

- 1) The agreement shall spell out the terms, conditions, duties, and obligations of the Developer and the Commission in regard to the construction, maintenance, and acceptance of water main extension(s) into the Commission's water distribution system, pursuant to the Commission's approval of plans, specifications, and cost estimate for the work.
- 2) The agreement shall identify the operative construction documents by title and date.
- 3) The agreement shall identify the scope of improvements and project phases.
- 4) The agreement shall be for a term of five (5) years and may be renewed for additional periods by majority vote at a regular meeting of the Commission upon the written request of the Developer.
- 5) The approved construction documents used by the Developer for construction shall be the same as those approved by the Commission and recorded in the office of the Winchester Town Clerk.
- 6) The Developer shall provide the Commission with at least seven (7) calendar-days written notice prior to initiating any construction activities that require inspection or acceptance by the Commission or its designated representatives.
- 7) The water mains, pumping stations, and related components constructed under the terms of the agreement shall be considered private systems until such time as they are accepted into the Town's public water system by action of the Commission.
- 8) The Commission shall not allow water service connections to the Developer's proposed facilities until all proposed facilities within each phase are completed and determined operational in accordance with the terms of the agreement. The Town of Winchester will not issue Certificates of Occupancy for any dwellings or buildings within a development prior to the Commission's certification of completion of all proposed water mains, water pumping stations, and related components within each phase.
- 9) The Commission shall provide for reviews, construction inspection, and all other necessary technical services associated with the Developer's proposed water main extension(s), water pumping stations, water storage facilities, and related components. The Developer shall reimburse the Commission for all costs associated with reviews, construction inspection, and all other necessary technical services provided by the Commission.
- 10) The Developer shall provide the Commission with security for each phase of the project, in the form of cash or surety bond for the value of the work in each phase to insure that water mains, water pumping stations, water storage facilities, and related components are constructed in accordance with construction documents approved by the Commission. Companies issuing surety bonds to the Commission shall possess the following qualifications:
 - A. Listed in the U.S. Department of the Treasury Circular 570;
 - B. Licensed and admitted surety covered by the Connecticut Insurance Guaranty Association.

APPENDIX NO. 2

Town of Winchester - Water and Sewer Commission Terms of Developer's Agreement for Water System Extensions

- C. Secure Best's Rating of A or A- (Excellent) or better as published by A.M. Best Company;
- 11) The form of the security shall be reviewed and approved by the Commission's attorney, the Town's insurance agent, and the Winchester Finance Officer/Treasurer. The amount of security shall be reviewed and adjusted if necessary to protect the limits of the Town, and reviewed and approved by the Commission as requested.
 - 12) The Developer and its contractors, design professionals, and subcontractors shall maintain the following minimum insurance coverage for the term of the Agreement. The insurance coverage shall contain a provision for thirty (30) days notice to the Commission in the event of cancellation. The Developer shall provide certificates of insurance to the Commission and the Town at the time of the execution of the Agreement and within ten (10) days of the renewal of the insurance policies. The Town and its agents shall be named as additional insured on the insurance policies (Items b., c., d., and e.) as described below. Insurance companies issuing policies for this Agreement shall be licensed by the State of Connecticut. Insurance coverage shall include:
 - A. Workmen's Compensation in the amounts required by law.
 - B. Automobile and Truck Liability, Bodily Injury, and Property Damage insurance in the amount of \$1,000,000.
 - C. Umbrella Insurance in the amount of \$1,000,000.
 - D. Pollution Insurance – Not Required
 - E. Comprehensive General Liability Insurance in the amount of \$1,000,000.
 - F. Errors and Omissions insurance in the amount of \$1,000,000 (design professionals only).
 - 13) The Developer shall pay all taxes, liens, and encumbrances against the property such that any conveyance to the Town is free and clear.
 - 14) The Developer shall pay the Connection Charge for each individual connection to the Town's public water system prior to the time of physical connection to the public water system. Verification that the fee has been paid must be provided prior to the Commission's inspection of the connection.
 - 15) During the term of the agreement, the Commission, its officers, employees, and agents shall have a right of entry upon the Developer's property during normal business hours to observe construction in progress or in place, to make measurements, and conduct tests to insure compliance with the agreement.
 - 16) The Developer shall replace or repair any damage caused by its activities to Town facilities. In the event that municipal facilities are damaged, and upon notice to the Developer are not repaired or replaced within ten (10) days, the Commission or the Town of Winchester may make such repairs or replacements and collect the expense of the same from the Security.
 - 17) The Developer shall document by text, drawings, photographs, video tape, or other means, of known damage to municipal facilities that occurred prior to the start of the construction of the improvements. This documentation shall be provided to the Commission in the form of a report. The Developer shall not be responsible for the repair or replacement of damage to municipal facilities documented in the report upon review and approval of this report by the Commission and the Town of Winchester.
 - 18) The Commission understands that it may be necessary to make field changes to the approved construction documents to accommodate unforeseen or unusual conditions without having to delay the construction of the improvements. The Developer shall receive the written approval of the Commission and/or its authorized representatives prior to executing a field change.

APPENDIX NO. 2

Town of Winchester - Water and Sewer Commission Terms of Developer's Agreement for Water System Extensions

- 19) Prior to the start of construction of water main extension(s), water pumping stations, water storage facilities, and related components, the Developer shall acquire, for the benefit of the Town, temporary and permanent easements or rights to install the water system improvements as follows:
 - A. All portions of water mains, water pumping stations, water storage facilities, and related components that are proposed to be constructed on private lands shall be centered within a thirty (30) foot wide easement obtained by the Developer.
 - B. Such easements and rights shall provide for entry, passage, access, maintenance, repair, operation, replacement, and enlargement of the water distribution system.
 - C. The forms and language of the easement or right shall be reviewed and approved by the Commission or its designated representative and the Commission's attorney prior to conveyance from Developer to the Commission.
- 20) The Developer's contractor for construction of water system improvements shall be appropriately licensed by the State of Connecticut. The Commission reserves the right to approve the Contractor hired by the Developer for the purpose of constructing the proposed water facilities.
- 21) The Developer shall provide to the Commission with monies in the initial amount of \$10,000.00, which shall be placed in an escrow fund. The escrow fund shall be used to reimburse the Commission for expenses such as, but not limited to, technical reviews, studies, administration, engineering, management, inspection, quality assurance testing, land surveying, and legal fees associated with this Agreement. The Developer shall provide additional monies to the escrow fund as may be required to maintain a minimum escrow fund balance of \$5,000.00.
- 22) Failure of the Developer to maintain the minimum escrow fund balance shall result in the suspension of water system construction and approval of any further water system construction. No building permits or certificates of occupancy will be issued by the Winchester Building Official until such time as the minimum escrow balance is restored.
- 23) Upon completion of the warranty period, any unexpended monies shall be returned to the Developer upon approval of the Commission.
- 24) The Commission shall accept water mains, water pumping stations, water storage facilities and related components into the Town's public water system according to the following procedure:
 - A. The work authorized by the agreement shall be completed by the Developer in accordance with the terms and conditions contained therein.
 - B. The Commission shall inspect and test the completed work and prepare a written report that documents that the improvements have been constructed in accordance with the terms and condition of the Agreement.
 - C. The Developer shall warranty the work authorized by the agreement for a period of one (1) year after the Commission concurs that the work is complete and operational.
 - D. The Developer shall provide a maintenance bond for each phase of the project in the form required by the Town's Finance Officer / Treasurer, in the percentage of the estimated cost of the sanitary sewer facilities construction as determined by the Commission for a minimum of a one (1) year period after completion of the work authorized by this Agreement to insure correction of any defects that may be found in the work. The Commission shall re-evaluate and adjust, if necessary, this amount at the time of completion.

APPENDIX NO. 2

Town of Winchester - Water and Sewer Commission

Terms of Developer's Agreement for Water System Extensions

- E. Upon completion of the one year warranty period and at the request of the Developer, the Commission shall inspect and test the completed work and prepare a written report confirming that no defects have been found and the work is recommended to be accepted.
 - F. The Developer shall provide easements, as-built drawings, operations and maintenance manuals, product warranties, construction field books, and other such information to the Commission prior to acceptance of the facilities.
 - G. The Commission, by majority vote at a regular meeting, shall accept the work authorized by the Agreement into the public water system based upon the recommendation of the Commission's designated representatives after the one (1) year warranty period.
- 25) The Developer shall indemnify and hold the Commission, the Town of Winchester, and their officers, agents, and employees harmless from and against any claim of liability or loss from personnel injury or property damage resulting from or arising out of the use and occupancy of the property, including without limitation, the construction of the improvements, excepting such claims or damage as may be due to the gross negligence or willful misconduct of the Commission, the Town, and their officers, agents, or employees.
- 26) The Developer shall comply with all applicable laws, enactments, and regulations of any governmental authority relating to its possession and use of the property. "All applicable laws" includes, without limitation, any and all environmental laws, including any regulations, and written, final guidelines, standards, or policies of a governmental authority regulating or imposing standards of liability or standards of conduct with regard to any environmental conditions or concerns as may now or at any time hereafter be in effect.
- 27) The Developer shall not introduce or use any substance in violation of any applicable law that is identified as hazardous, toxic, or dangerous in any applicable federal, state, or local law or regulation on the property.
- 28) In the event of an uncontrolled release of any such substance on the property, the Developer shall notify the Commission and the Town of Winchester in addition to other regulatory authorities.
- 29) Prior to the transfer of any property or rights thereto to the Town of Winchester, the Developer shall provide title insurance, insuring that title is free and clear of defects rendering the title unmarketable from an insurer in a form acceptable to the Town's Attorney.
- 30) Prior to the transfer of any property or rights thereto to the Town of Winchester, the Developer shall conduct and provide to the Town for review and approval, as a minimum, a Phase I Preliminary Site Assessment ("Assessment"). The Assessment shall be conducted in accordance with the American Society of Civil Engineers Manuals and Reports on Engineering Practice No. 83 Environmental Site Investigation Guidance Manual Copyright 1996. The results of the Assessment may recommend, or the Commission or Town may, at their sole discretion require, that the Developer to conduct additional investigations or remediation prior to transfer of property to the Town.
- 31) The agreement shall not be sold, assigned, or transferred by the Developer to any other party without the written consent of the Commission and Town of Winchester, which shall not be unreasonably withheld, delayed, or conditioned.
- 32) The agreement and the performance thereof shall be governed, interpreted, construed, and regulated by the laws and customs of the State of Connecticut. Any action brought under this Agreement shall be to Superior Court of the Litchfield Judicial District.

APPENDIX NO. 2

Town of Winchester - Water and Sewer Commission

Terms of Developer's Agreement for Water System Extensions

- 33) In the event of a dispute that can not be resolved within sixty (60) days between the parties of this Agreement and prior to the filing of a complaint with the Superior Court, the parties shall utilize the services of the American Arbitration Association to attempt to mediate the dispute. The cost of such mediation shall be shared equally by the parties to the Agreement.
- 34) Failing successful mediation of the dispute, the parties to the agreement shall agree to make a best effort to resolve the dispute through the use of the Litchfield Judicial District's Dispute Resolution process prior to trial.
- 35) Any provision of this agreement later held to be unenforceable for any reason shall be deemed void, and all remaining provisions shall continue in full force and effect. All obligations arising prior to the termination of the agreement and provisions of the agreement allocating responsibility or liability between the Commission, Town of Winchester, and the Developer shall survive the termination of the agreement.
- 36) The Agreement may be amended by the written consent of both parties.
- 37) All notices concerning the agreement shall be in writing sent by certified mail and return receipt to the addresses listed in the agreement.

APPENDIX NO. 3

Water System Technical Standards

Prepared By:

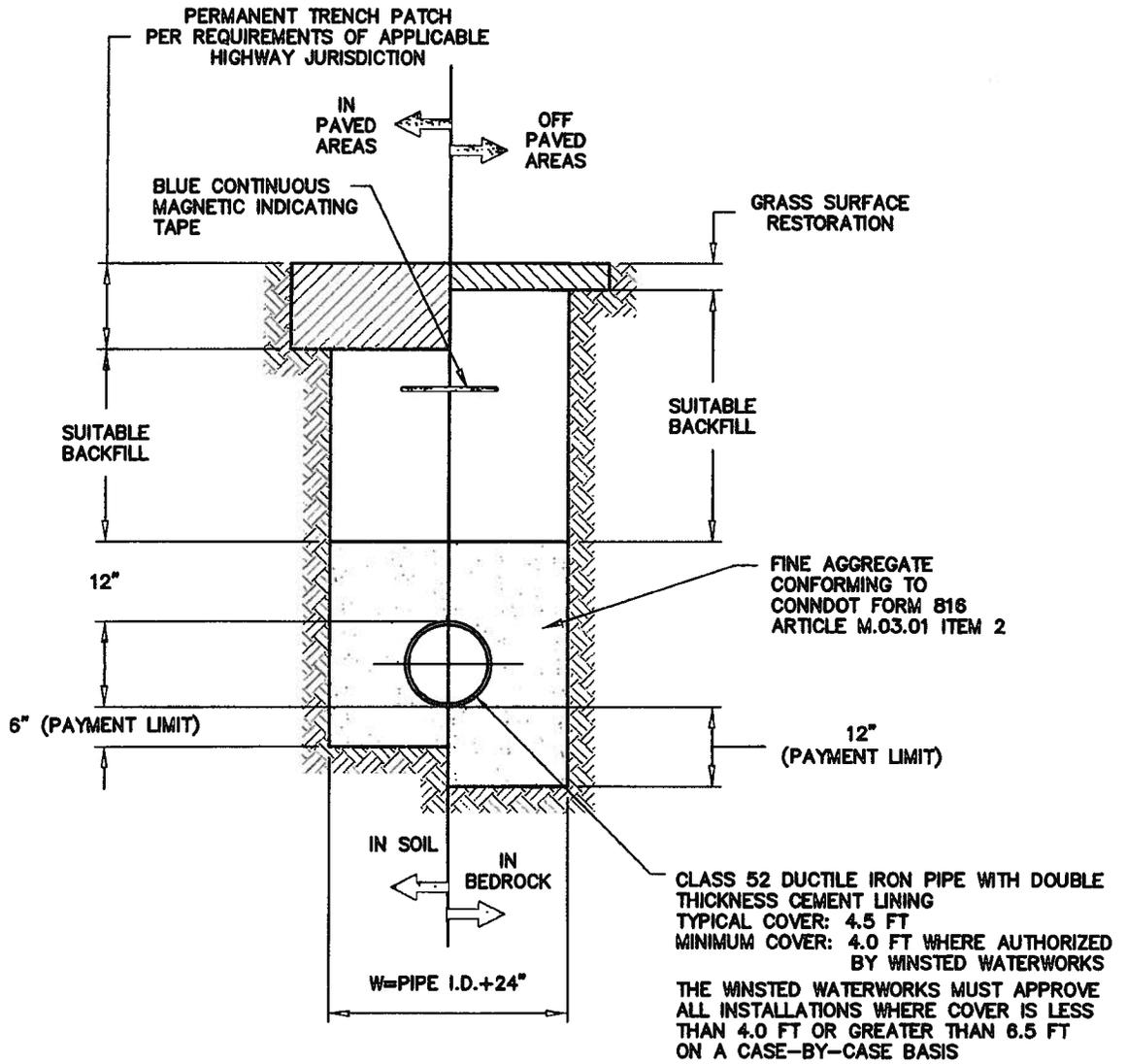
**TOWN OF WINCHESTER
CITY OF WINSTED**



Water and Sewer Commission

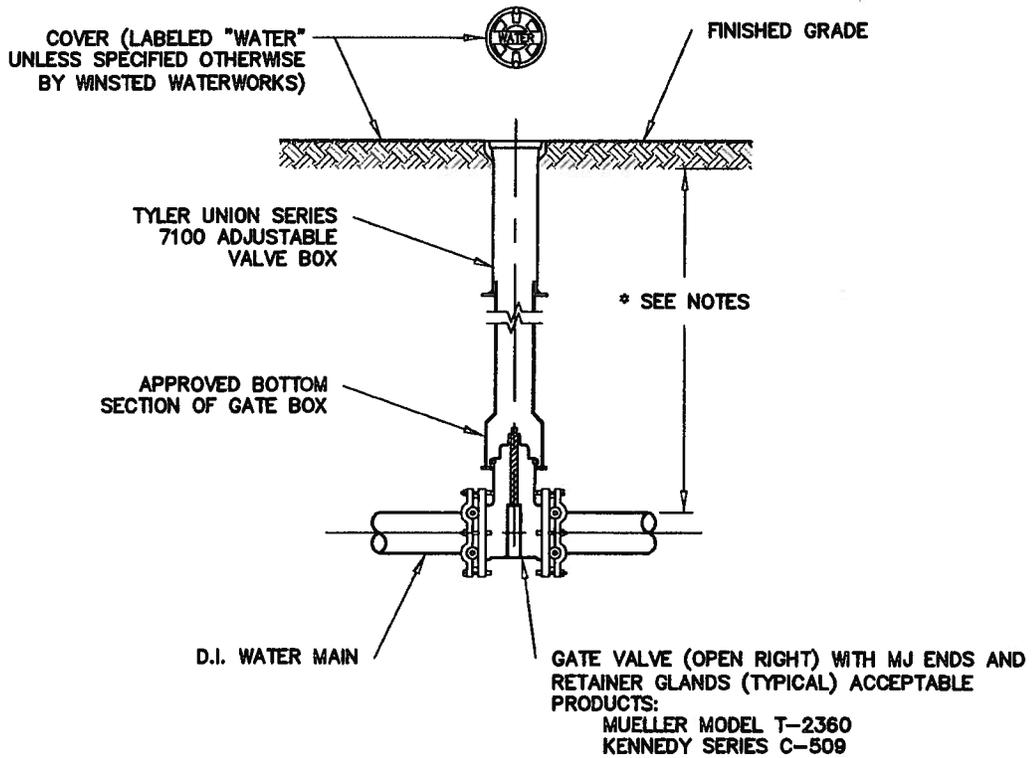
Adopted & Effective Date: June 11, 2013

The Town of Winchester is an equal opportunity provider, employer and lender



NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	WATER MAIN TRENCH	W-1



NOTES:

1. TYPICAL COVER IS 4.5 FT.
2. MINIMUM COVER COVER 4.0 FT WHERE AUTHORIZED BY WINSTED WATERWORKS
3. THE WINSTED WATERWORKS MUST APPROVE ALL INSTALLATIONS WHERE COVER IS LESS THAN 4.0 FT OR GREATER THAN 6.5 FT ON A CASE-BY-CASE BASIS

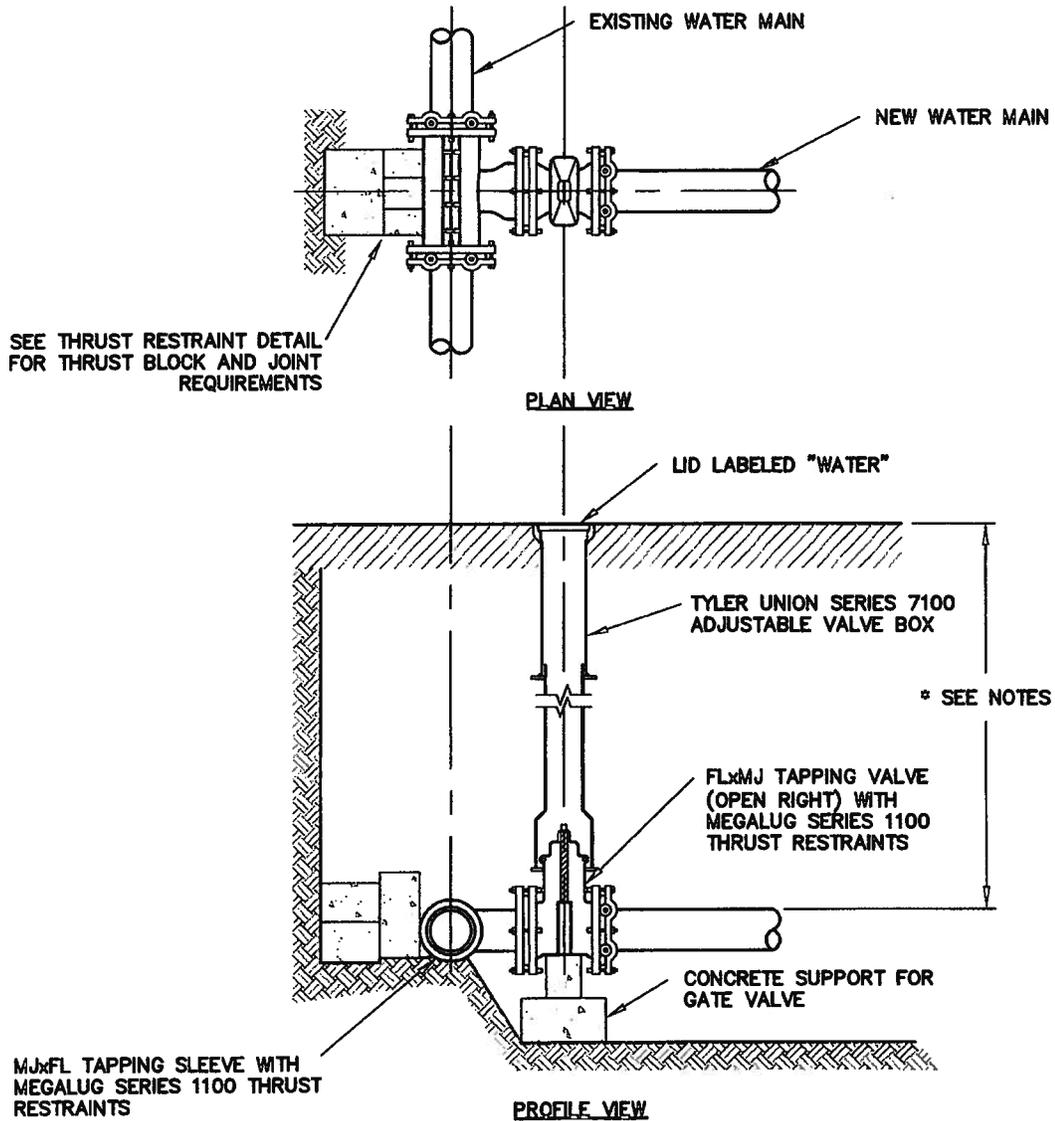
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	4"-12" GATE VALVE	W-2

ACCEPTABLE PRODUCTS

MUELLER MODEL H-615 TAPPING SLEEVE &
MUELLER MODEL T-2360 TAPPING VALVE

KENNEDY STYLE 960 TAPPING SLEEVE &
KENNEDY SERIES C-509 STYLE 8950 TAPPING VALVE

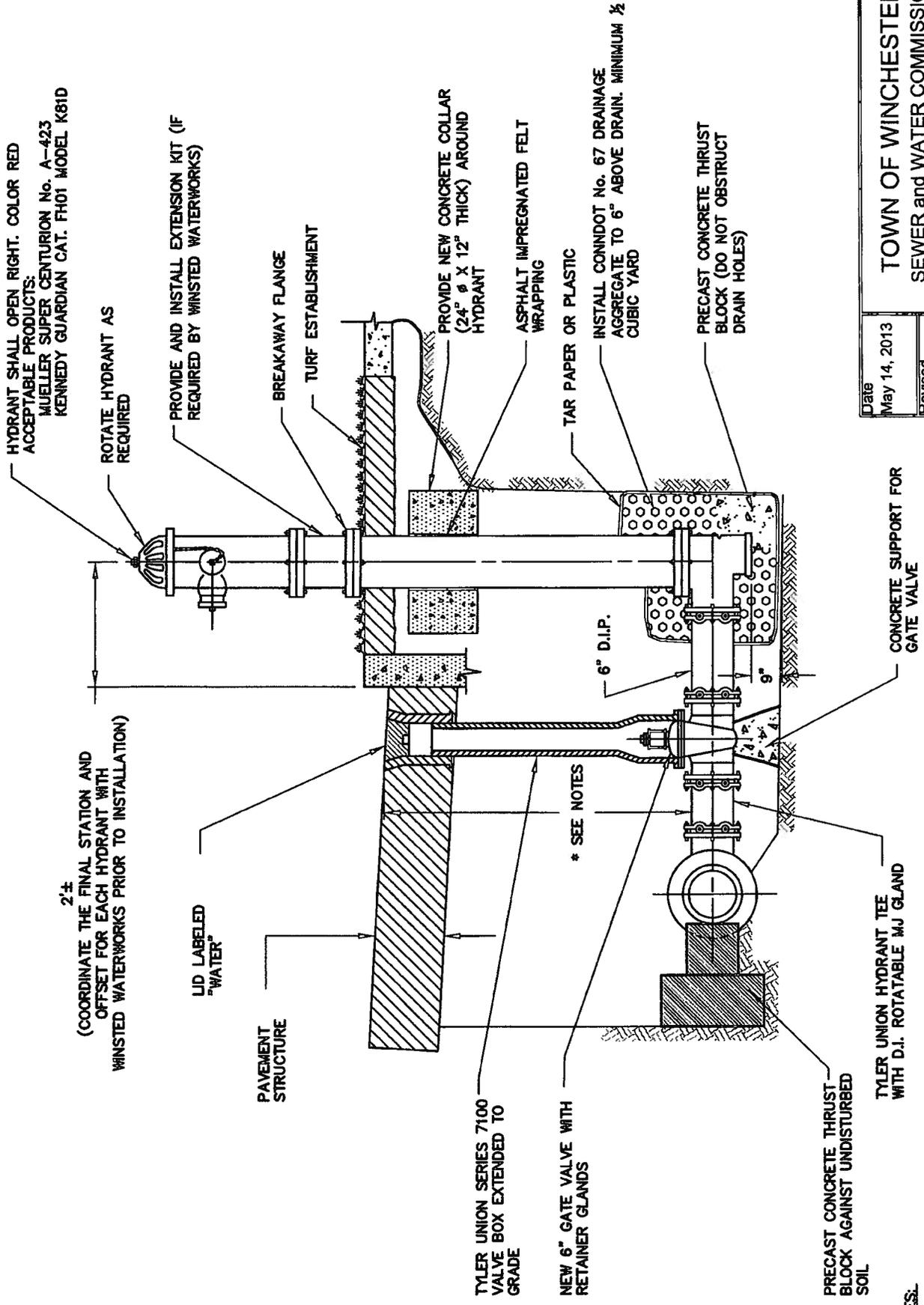


NOTES:

1. TYPICAL COVER IS 4.5 FT.
2. MINIMUM COVER COVER 4.0 FT WHERE AUTHORIZED BY WINSTED WATERWORKS
3. THE WINSTED WATERWORKS MUST APPROVE ALL INSTALLATIONS WHERE COVER IS LESS THAN 4.0 FT OR GREATER THAN 6.5 FT ON A CASE-BY-CASE BASIS

NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	TAPPING SLEEVE & VALVE	W-3



2±
 (COORDINATE THE FINAL STATION AND OFFSET FOR EACH HYDRANT WITH WINSTED WATERWORKS PRIOR TO INSTALLATION)

LID LABELED "WATER"

PAVEMENT STRUCTURE

TYLER UNION SERIES 7100 VALVE BOX EXTENDED TO GRADE

NEW 6" GATE VALVE WITH RETAINER GLANDS

* SEE NOTES

6" D.I.P.

9"

PRECAST CONCRETE THRUST BLOCK AGAINST UNDISTURBED SOIL

TYLER UNION HYDRANT TEE WITH D.I. ROTATABLE MJ GLAND

CONCRETE SUPPORT FOR GATE VALVE

PRECAST CONCRETE THRUST BLOCK (DO NOT OBSTRUCT DRAIN HOLES)

TAR PAPER OR PLASTIC

ASPHALT IMPREGNATED FELT WRAPPING

PROVIDE NEW CONCRETE COLLAR (24" Ø X 12" THICK) AROUND HYDRANT

BREAKAWAY FLANGE

PROVIDE AND INSTALL EXTENSION KIT (IF REQUIRED BY WINSTED WATERWORKS)

ROTATE HYDRANT AS REQUIRED

HYDRANT SHALL OPEN RIGHT. COLOR RED ACCEPTABLE PRODUCTS: MUELLER SUPER CENTURION No. A-423 KENNEDY GUARDIAN CAT. FHOI MODEL K81D

NOTES:

1. TYPICAL COVER IS 4.5 FT.
2. MINIMUM COVER COVER 4.0 FT WHERE AUTHORIZED BY WINSTED WATERWORKS
3. THE WINSTED WATERWORKS MUST APPROVE ALL INSTALLATIONS WHERE COVER IS LESS THAN 4.0 FT OR GREATER THAN 6.5 FT ON A CASE-BY-CASE BASIS

NOT TO SCALE

Date	May 14, 2013
Revised	

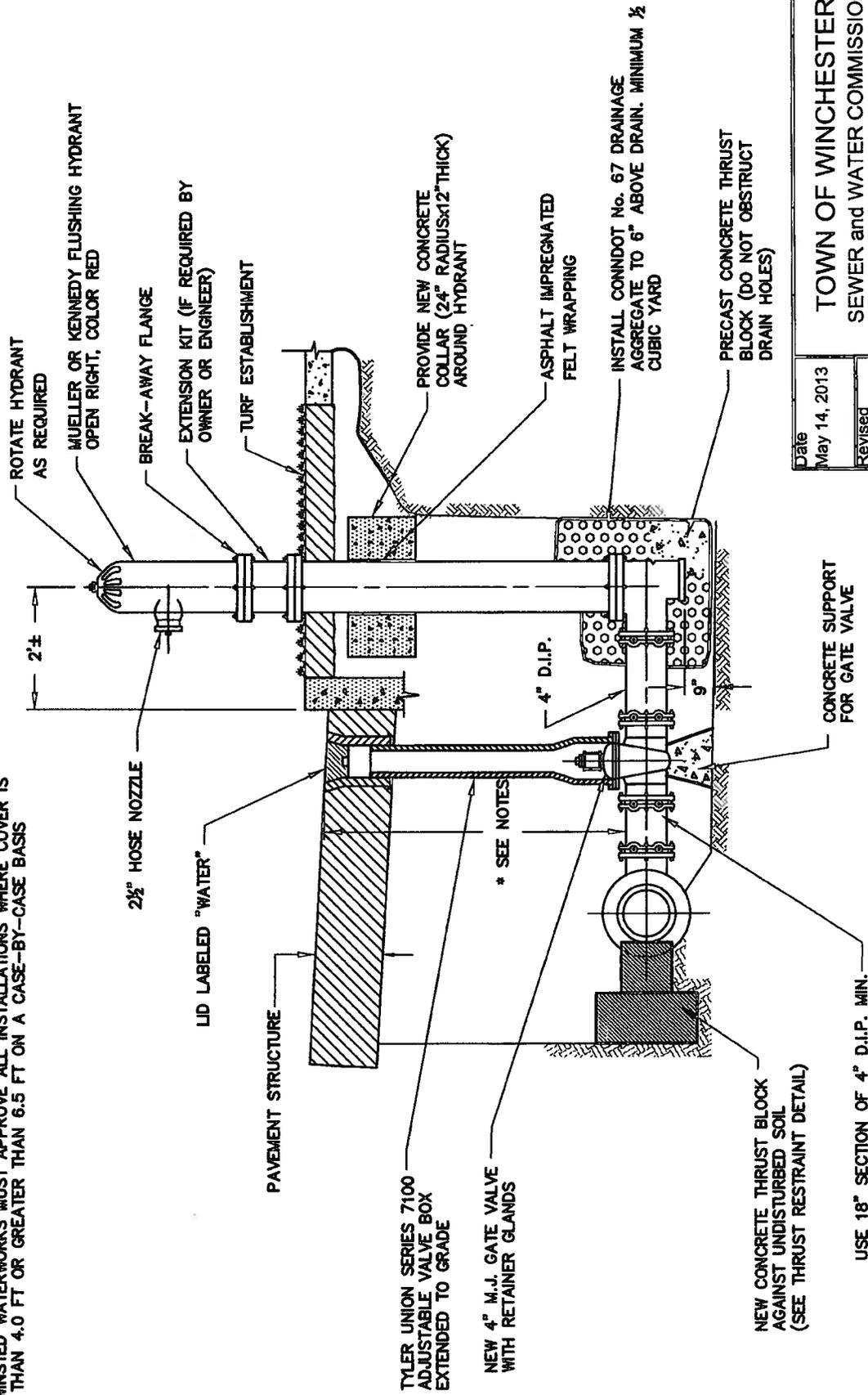
TOWN OF WINCHESTER
 SEWER and WATER COMMISSION

FIRE HYDRANT
 ASSEMBLY

W-4

NOTES:

1. COORDINATE THE FINAL STATION, OFFSET, AND ELEVATION FOR EACH HYDRANT WITH OWNER PRIOR TO INSTALLATION.
2. TYPICAL COVER IS 4.5 FT.
3. MINIMUM COVER 4.0 FT WHERE AUTHORIZED BY WINSTED WATERWORKS
4. THE WINSTED WATERWORKS MUST APPROVE ALL INSTALLATIONS WHERE COVER IS LESS THAN 4.0 FT OR GREATER THAN 6.5 FT ON A CASE-BY-CASE BASIS



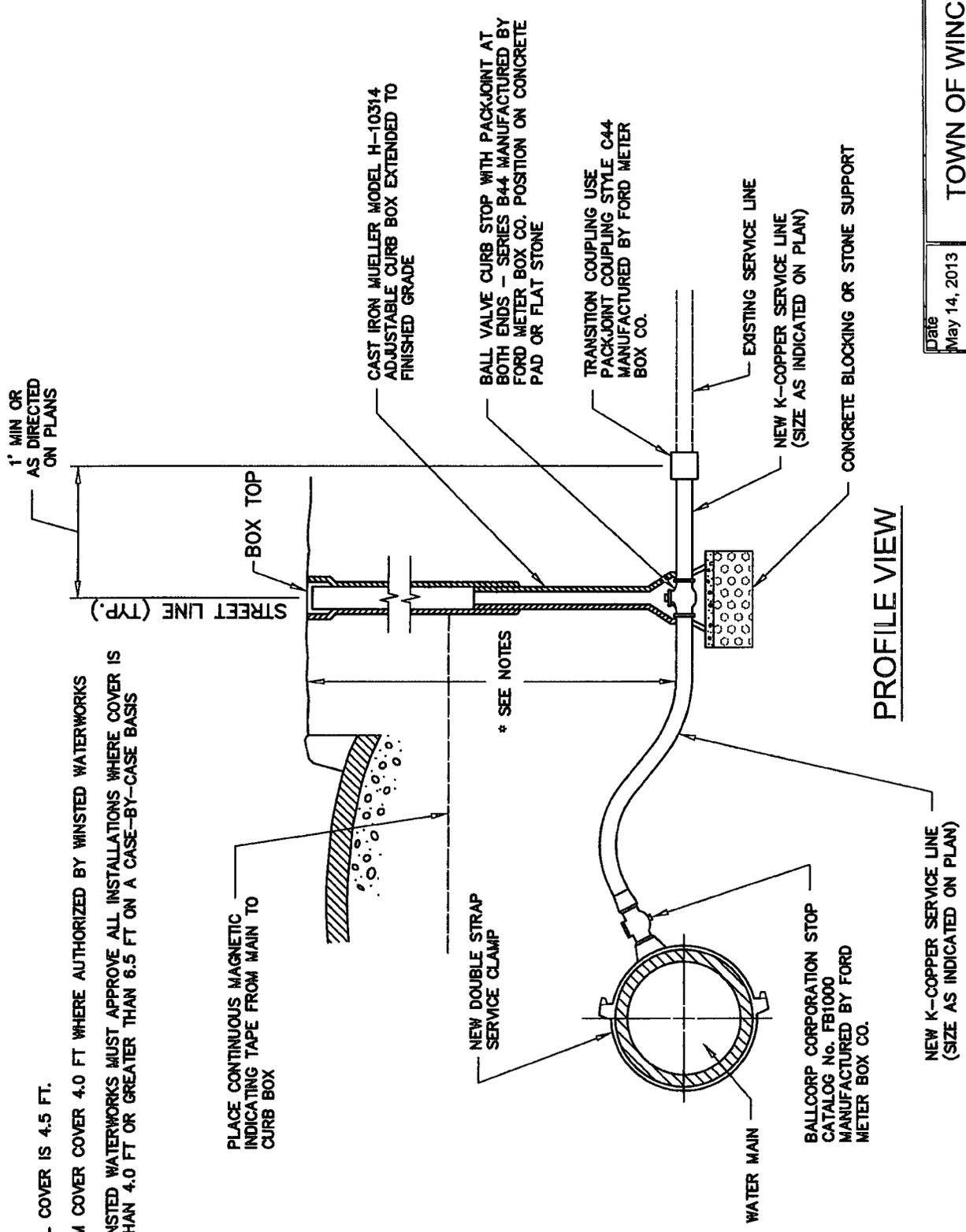
USE 18" SECTION OF 4" D.I.P. MIN.

TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Date May 14, 2013	Revised
FLUSHING HYDRANT ASSEMBLY	
W-5	

NOT TO SCALE

NOTES:

1. TYPICAL COVER IS 4.5 FT.
2. MINIMUM COVER 4.0 FT WHERE AUTHORIZED BY WINSTED WATERWORKS
3. THE WINSTED WATERWORKS MUST APPROVE ALL INSTALLATIONS WHERE COVER IS LESS THAN 4.0 FT OR GREATER THAN 6.5 FT ON A CASE-BY-CASE BASIS



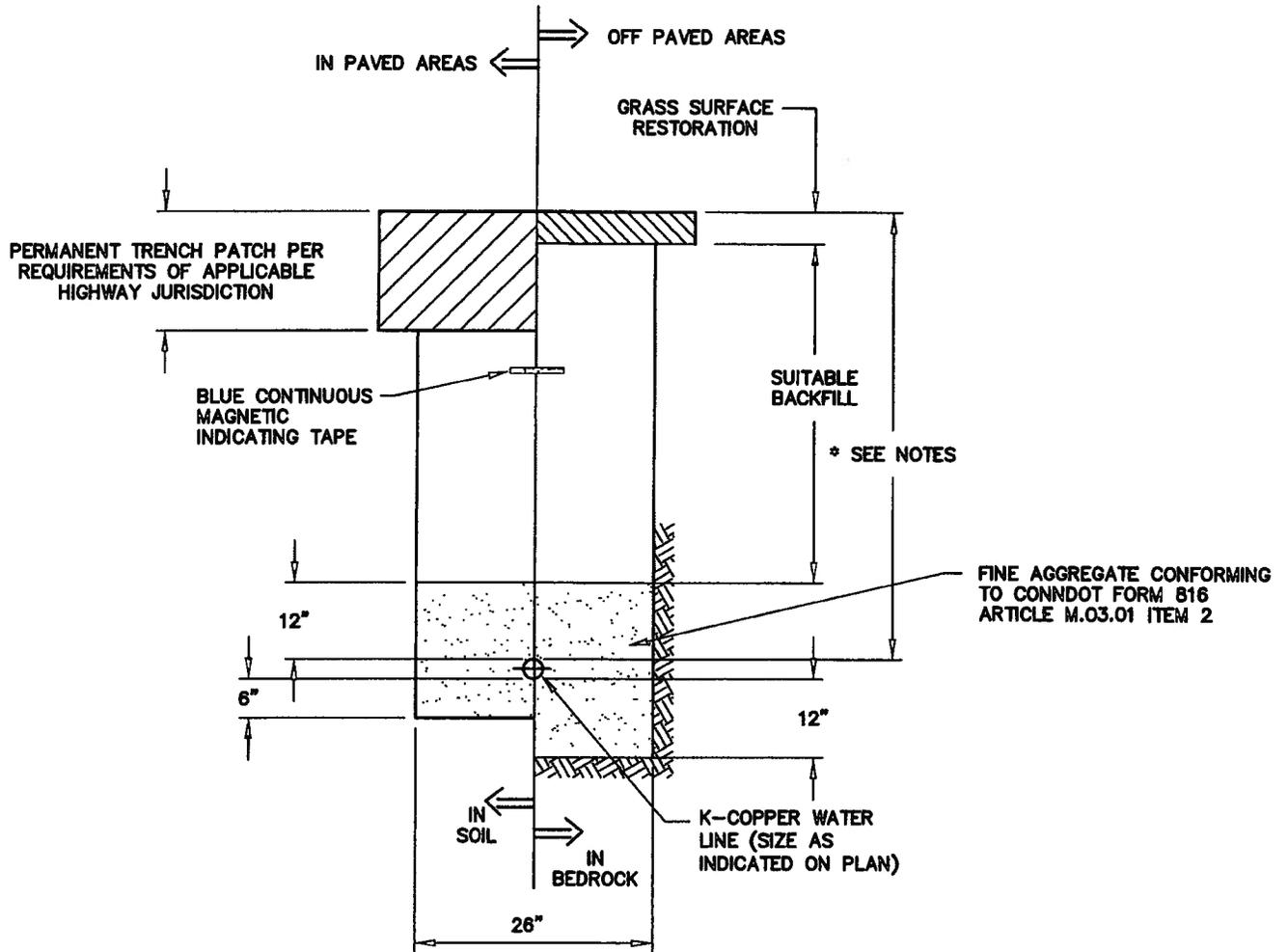
Date May 14, 2013	Revised	TOWN OF WINCHESTER SEWER and WATER COMMISSION
		WATER SERVICE LINE ASSEMBLY

W-6a

NOT TO SCALE

NOTES

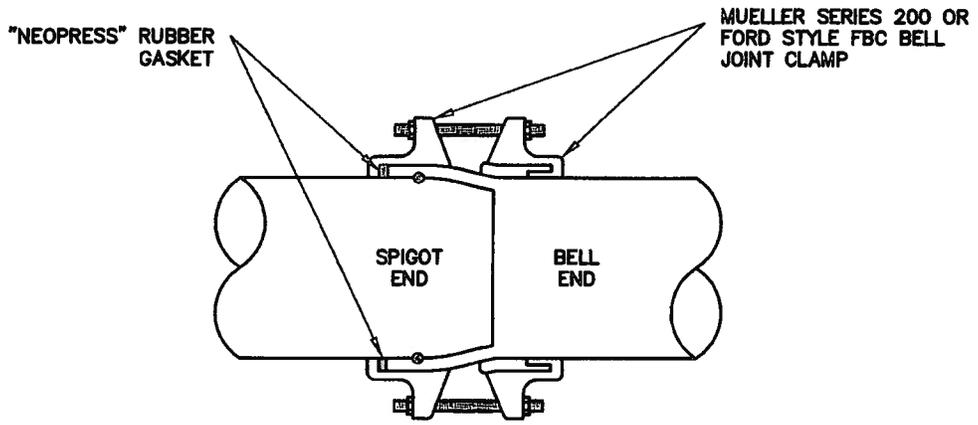
1. TYPICAL COVER IS 4.5 FT.
2. MINIMUM COVER COVER 4.0 FT WHERE AUTHORIZED BY WINSTED WATERWORKS
3. THE WINSTED WATERWORKS MUST APPROVE ALL INSTALLATIONS WHERE COVER IS LESS THAN 4.0 FT OR GREATER THAN 6.5 FT ON A CASE-BY-CASE BASIS



SECTION VIEW

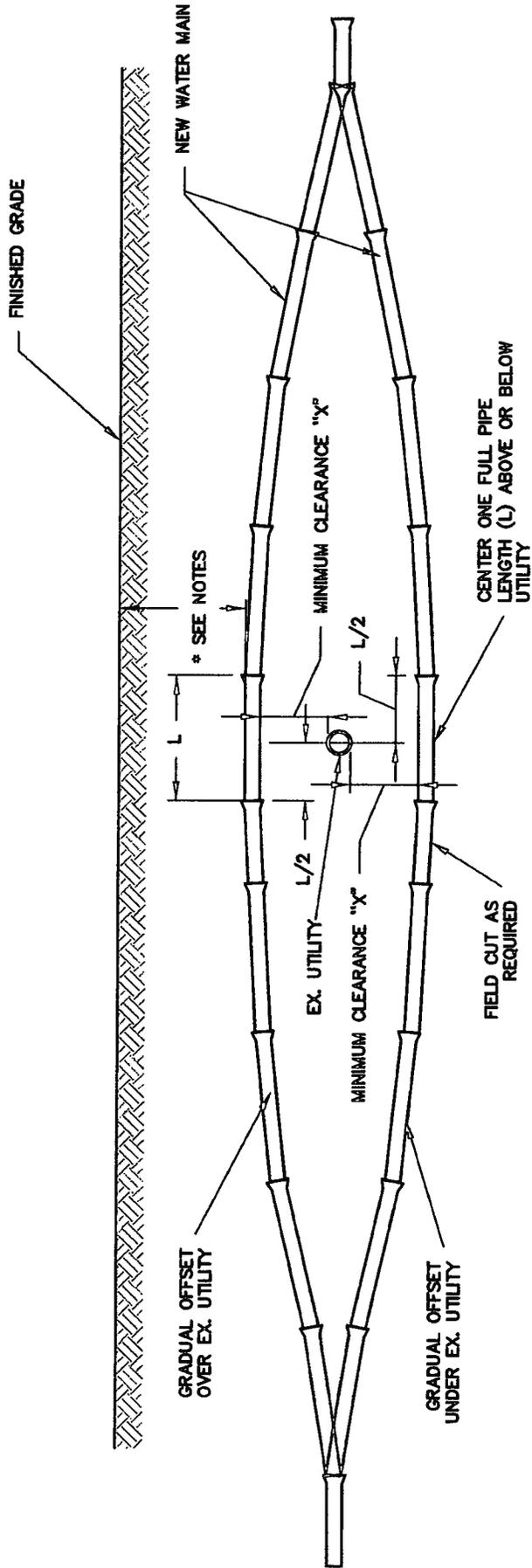
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	WATER SERVICE LINE ASSMBLY	W-6b



NOT TO SCALE

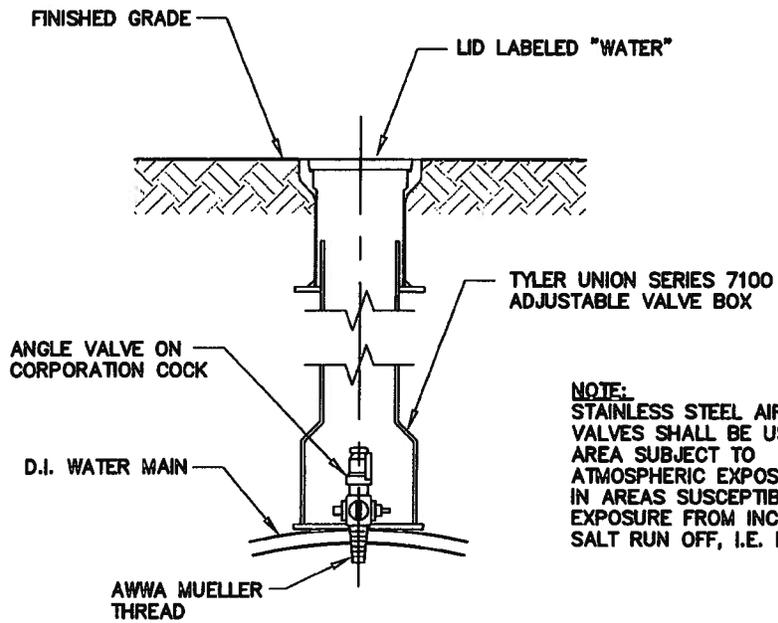
Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	BELL JOINT REPAIR CLAMP	W-7



NOTES:

1. LIMIT ALL DEFLECTIONS AT PIPE JOINTS TO MAXIMUM RECOMMENDED BY PIPE MANUFACTURER
2. MINIMUM UTILITY CLEARANCE "X" ABOVE OR BELOW WATER MAIN:
SANITARY SEWER - 18" STORM SEWER - 18" ALL OTHER UTILITIES - 12"
3. MAINTAIN 4'-6" COVER OVER WATER MAIN, UNLESS DIRECTED OTHERWISE BY THE WINSTED WATERWORKS
4. MINIMUM COVER OVER 4.0 FT WHERE AUTHORIZED BY WINSTED WATERWORKS
5. THE WINSTED WATERWORKS MUST APPROVE ALL INSTALLATIONS WHERE COVER IS LESS THAN 4.0 FT OR GREATER THAN 6.5 FT ON A CASE-BY-CASE BASIS
6. USE BELL JOINT PROTECTION IF JOINTS FALL WITHIN 10-FEET OF A STORM OR SANITARY SEWER.
7. PROVIDE SUPPORT FOR EXISTING UTILITY DURING CONSTRUCTION IF OFFSET IS BELOW EXISTING UTILITY.

Date May 14, 2013 Revised	TOWN OF WINCHESTER SEWER and WATER COMMISSION	W-8 GRADUAL VERTICAL OFFSET
NOT TO SCALE		



NOTE:
 STAINLESS STEEL AIR
 VALVES SHALL BE USED IN
 AREA SUBJECT TO
 ATMOSPHERIC EXPOSURE OR
 IN AREAS SUSCEPTIBLE TO
 EXPOSURE FROM INCREASED
 SALT RUN OFF, I.E. BRIDGES

NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	AIR VALVE	W-9

GENERAL NOTES REGARDING THRUST RESTRAINT

1. SPECIFIC THRUST-RESTRAINT DESIGN WILL BE REQUIRED FOR ANY TEE, BEND, OR OFFSET CONFIGURATION THAT DEVIATES SIGNIFICANTLY FROM THOSE INDICATED IN THE THRUST RESTRAINT DETAIL.
2. THE CONTRACTOR SHALL ANTICIPATE THE NEED FOR THRUST RESTRAINT IN ADVANCE OF CONSTRUCTION, AND PLACE THRUST RESTRAINTS WHERE REQUIRED AS PIPE IS LAID
3. THE CONTRACTOR SHALL RESTRAIN ALL JOINTS THAT FALL BETWEEN RESTRAINED BENDS IN HORIZONTAL OR VERTICAL OFFSETS.
4. THE REQUIRED THRUST RESTRAINT LENGTHS INDICATED IN THE DETAILS ARE BASED ON COMMON TEST PRESSURES, BEDDING SOIL TYPE, AND PIPE-LAYING CONDITIONS. RECALCULATION OF REQUIRED THRUST RESTRAINT LENGTHS WILL BE REQUIRED IF AUTHORIZED DEVIATIONS FROM COMMON TEST PRESSURES, BEDDING SOIL TYPE, OR PIPE-LAYING CONDITIONS BECOME NECESSARY.
5. RESTRAINT LENGTHS ARE BASED ON BARE PIPE. THRUST RESTRAINT LENGTHS MUST BE RECALCULATED IF, AT ANY TIME, SOIL CONDITIONS REQUIRE WATER MAIN TO BE POLY-WRAPPED.

I.D.	<u>DESCRIPTION</u>
1	NEW D.I.P. WATER MAIN
2	PUSH-ON JOINT WITHIN THRUST RESTRAINT ZONE, USE MEGALUG SERIES 1700 JOINT RESTRAINT, FIELD-LOK GASKET, OR ENGINEER APPROVED EQUIVALENT
3	DUCTILE IRON FITTING-M.J. X M.J., USE MEGALUG SERIES 1100 JOINT RESTRAINT
4	GATE VALVE-M.J. X M.J., USE MEGALUG SERIES 1100 JOINT RESTRAINT
5	PRECAST CONCRETE THRUST BLOCKING (SEE DETAIL, THIS SHEET)
6	EXISTING WATER MAIN
7	TAPPING SLEEVE WITH M.J. TAPPING VALVE
8	PUSH-ON JOINT BETWEEN BENDS IN AN OFFSET, USE MEGALUG SERIES 1700 JOINT RESTRAINT, FIELD-LOK GASKET, OR ENGINEER APPROVED EQUAL
9	FIRE OR FLUSHING HYDRANT-M.J. INLET, USE MEGALUG SERIES 1100 JOINT RESTRAINT
L(R1)	LENGTH OF PRIMARY THRUST RESTRAINT ZONE
L(R2)	LENGTH OF SECONDARY THRUST RESTRAINT ZONE

Date
May 14, 2013

Revised

TOWN OF WINCHESTER
SEWER and WATER COMMISSION

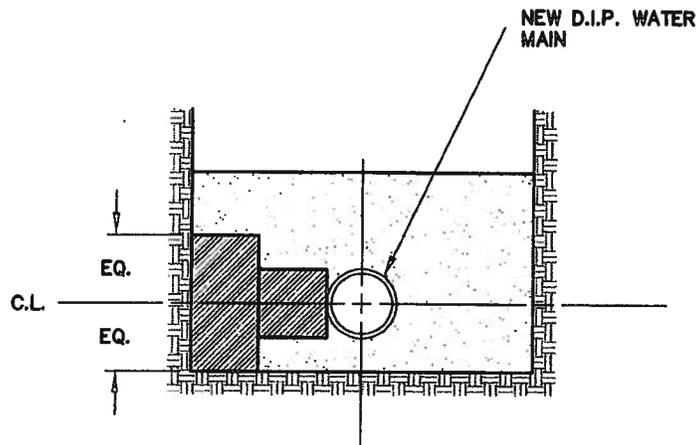
THRUST RESTRAINT

W-10a

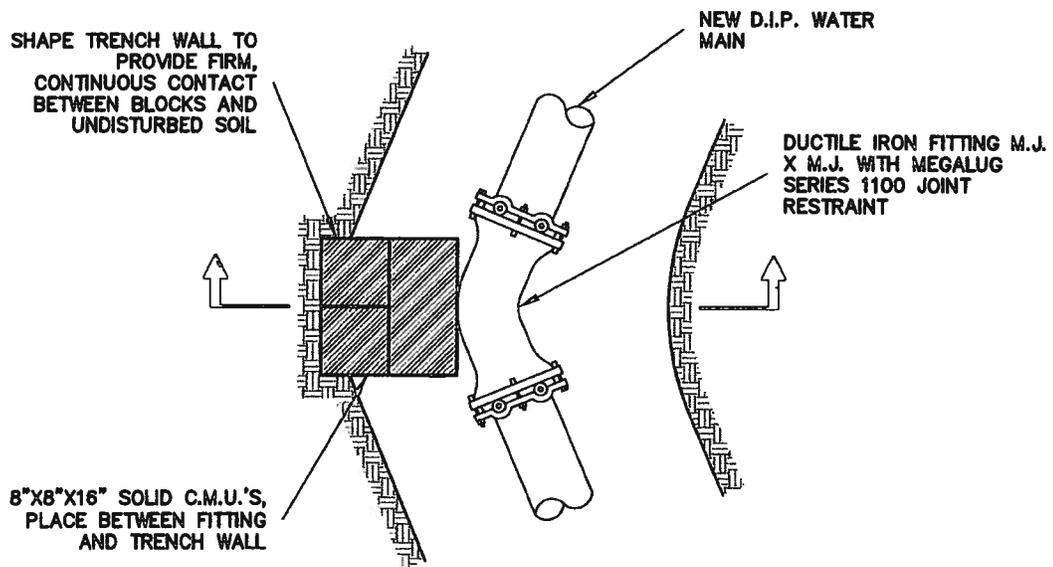
REQUIRED THRUST RESTRAINT LENGTHS (100 PSI)

CONFIGURATION	MIN. THRUST RESTRAINT LENGTHS			
	4" BARE PIPE		8" BARE PIPE	
	L (R1)	L(R2)	L (R1)	L(R2)
TEE WITH BRANCH LINE	—	—	20	20
HYDRANT BRANCH	10	20	15	20
DEAD END	20	—	35	—
REDUCER	—	—	25	—
HORIZONTAL BEND (90°)	10	—	15	—
HORIZONTAL BEND (45°)	5	—	6	—
HORIZONTAL BEND (22.5°)	5	—	5	—
HORIZONTAL BEND (11.25)	5	—	5	—
COMBINED HORIZONTAL BENDS	5	—	10	—
HORIZONTAL OFFSET	5	—	10	—
COMBINED HORIZONTAL OFFSET	5	—	10	—
VERTICLE BEND DOWN	10	—	15	—
VERTICLE BEND UP	5	—	10	—
VERTICLE OFFSET	15	5	30	15
COMBINED VERTICLE OFFSET (UNDER)	15	—	30	—
COMBINED VERTICLE OFFSET (OVER)	5	—	15	—

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	THRUST RESTRAINT	W-10b



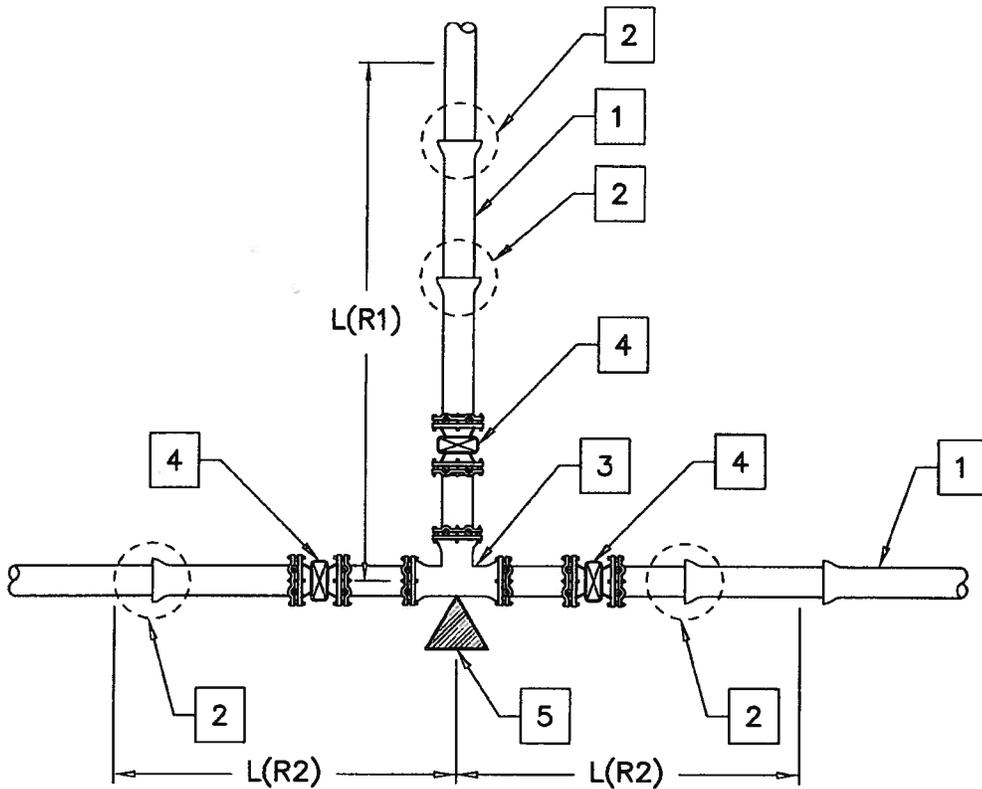
PROFILE VIEW



PLAN VIEW

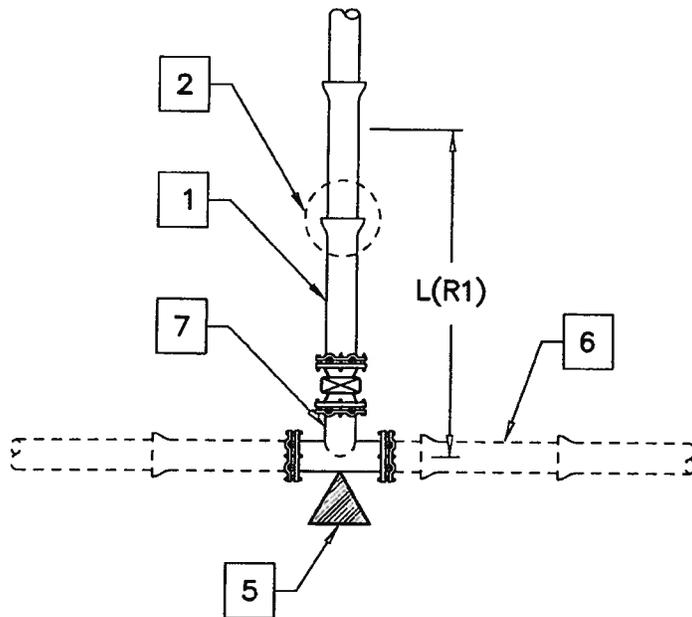
PRECAST CONCRETE THRUST BLOCKING
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	THRUST RESTRAINT	W-10c

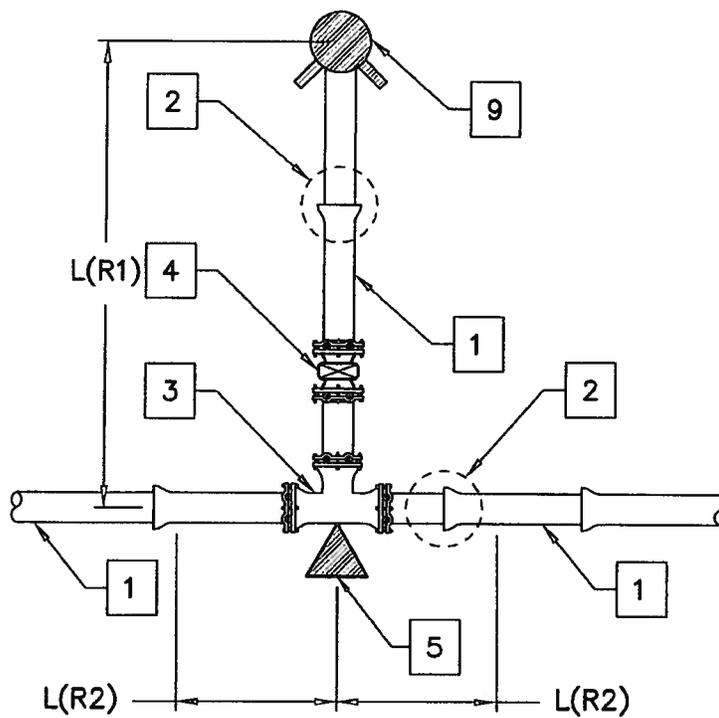


TEE WITH BRANCH LINE (PLAN VIEW)
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	THRUST RESTRAINT	W-10d

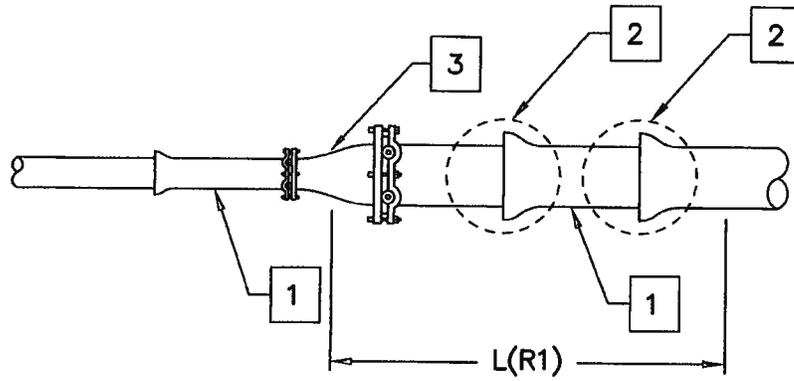


TAPPING SLEEVE & VALVE FOR BRANCH LINE (PLAN VIEW)
NOT TO SCALE

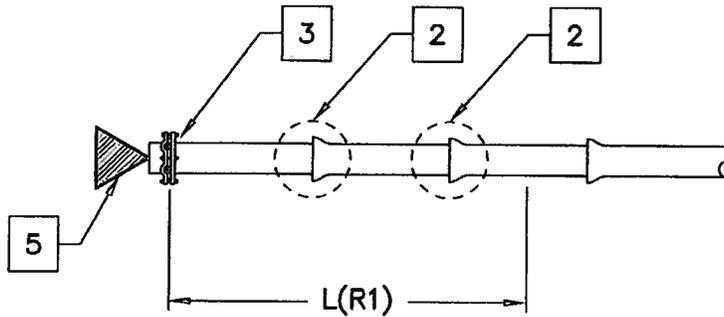


HYDRANT BRANCH (PLAN VIEW)
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	THRUST RESTRAINT	W-10e

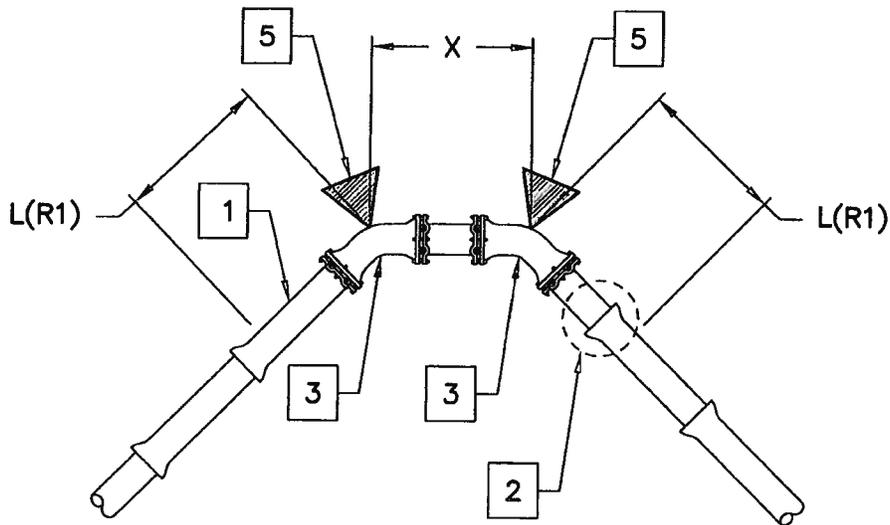


REDUCER
NOT TO SCALE

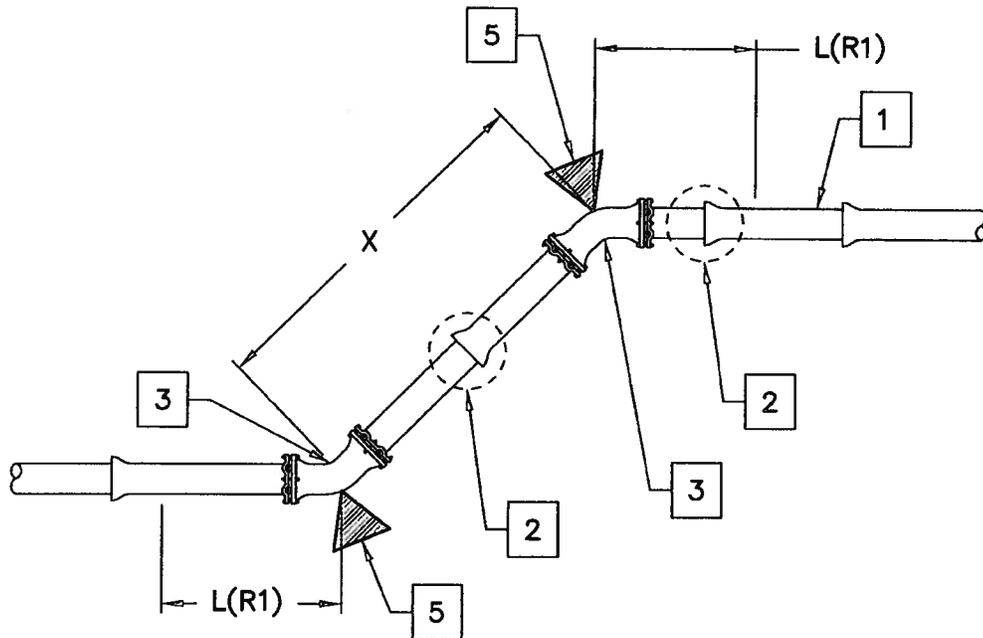


DEAD END
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	THRUST RESTRAINT	W-10f

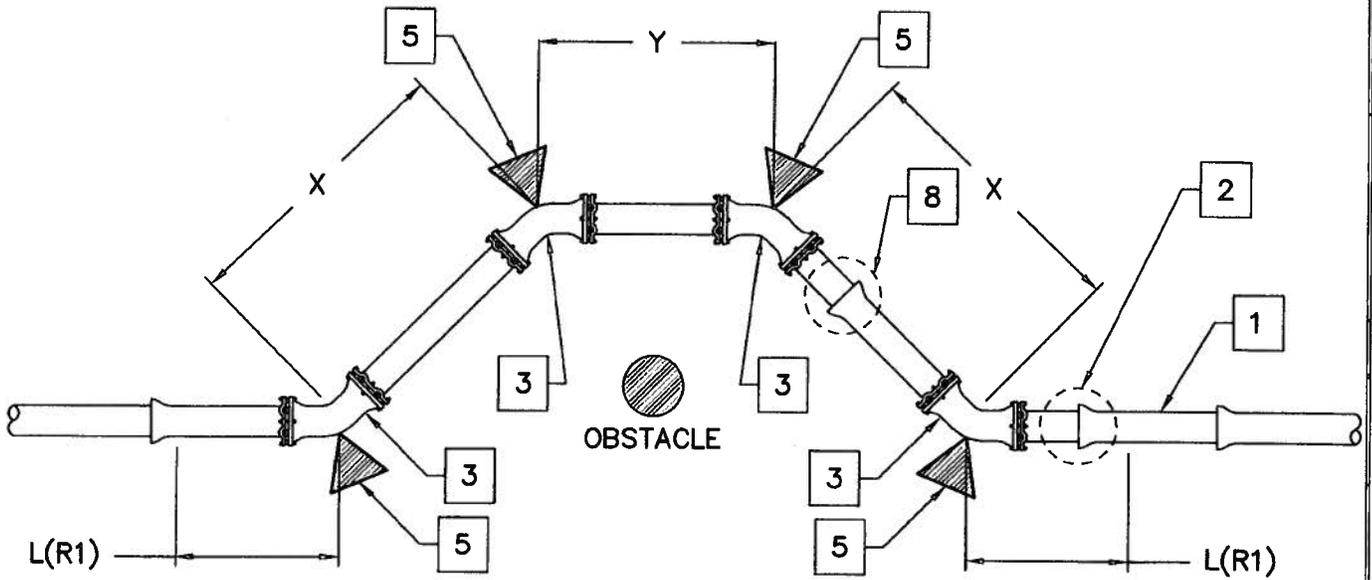


COMBINED HORIZONTAL BENDS (PLAN VIEW)-USE WHEN $X < 18$ FT
 NOT TO SCALE

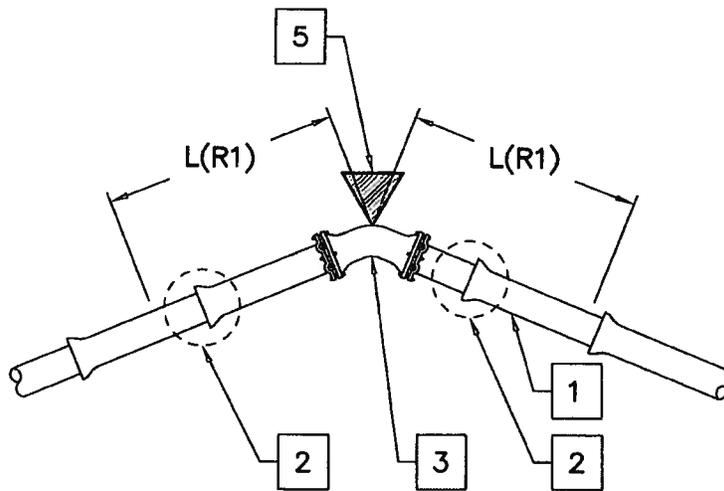


HORIZONTAL OFFSET (PLAN VIEW)-USE WHEN $X < 18$ FT
 NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised	THRUST RESTRAINT	W-10g

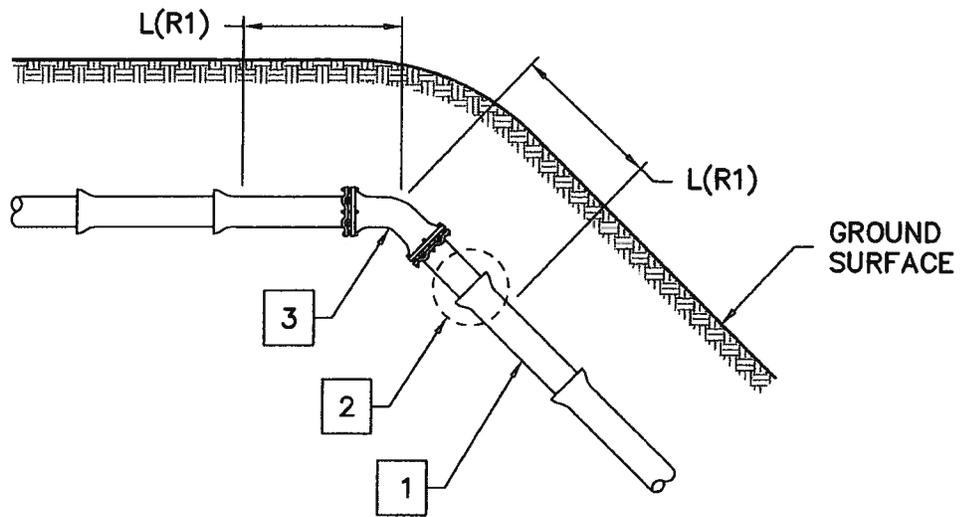


COMBINED HORIZONTAL OFFSET (PLAN VIEW)-USE WHEN X & Y < 18 FT
NOT TO SCALE

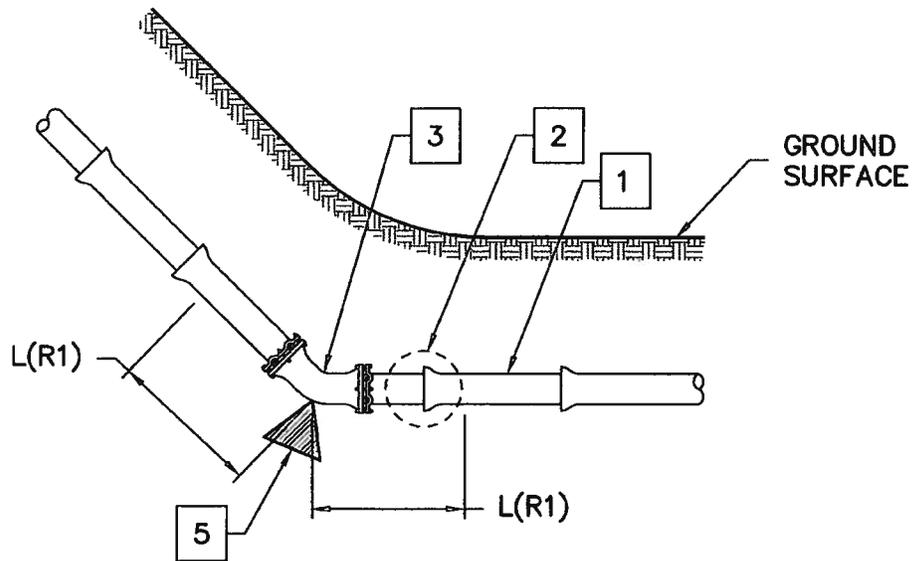


HORIZONTAL BEND (PLAN VIEW)
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	THRUST RESTRAINT	W-10h

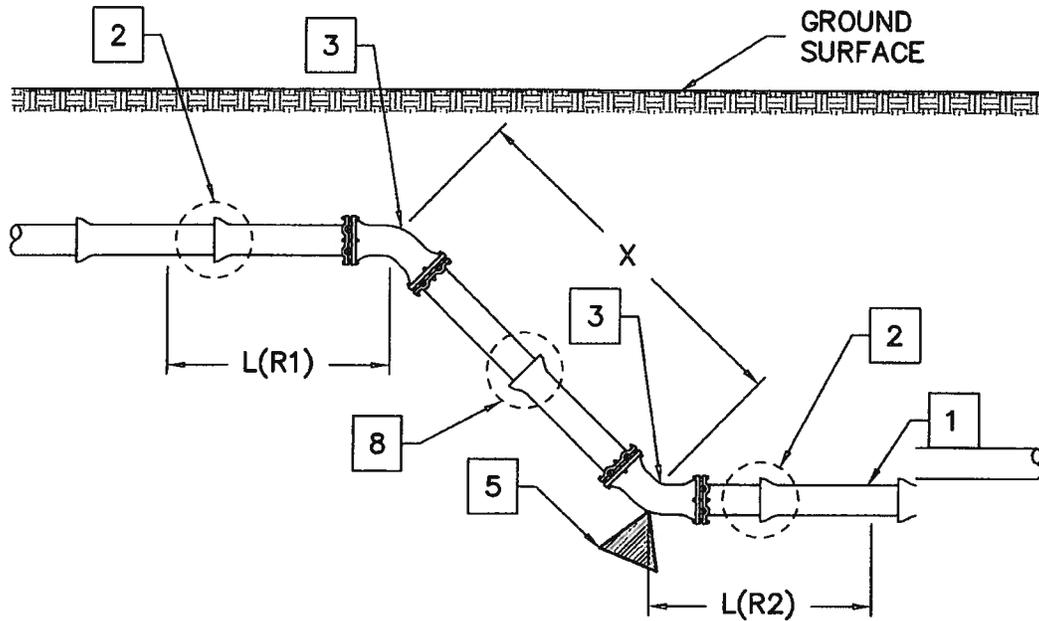


VERTICAL DOWN-BEND (PROFILE VIEW)
NOT TO SCALE



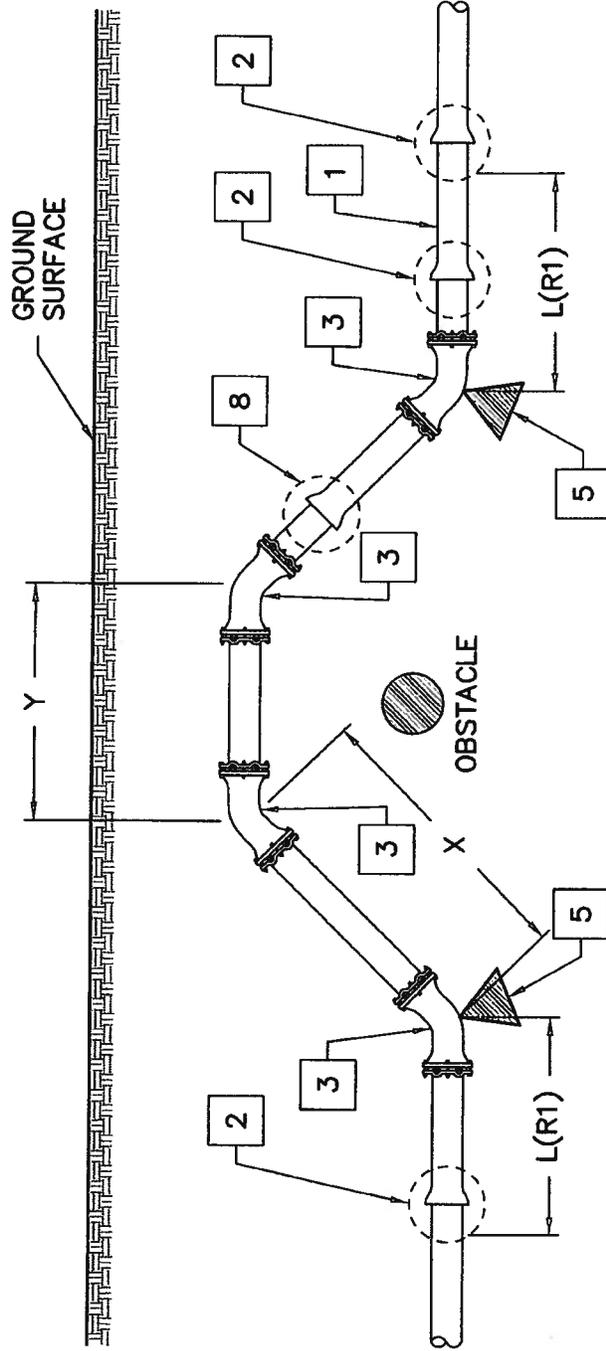
VERTICAL UP-BEND (PROFILE VIEW)
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
	THRUST RESTRAINT	W-10i



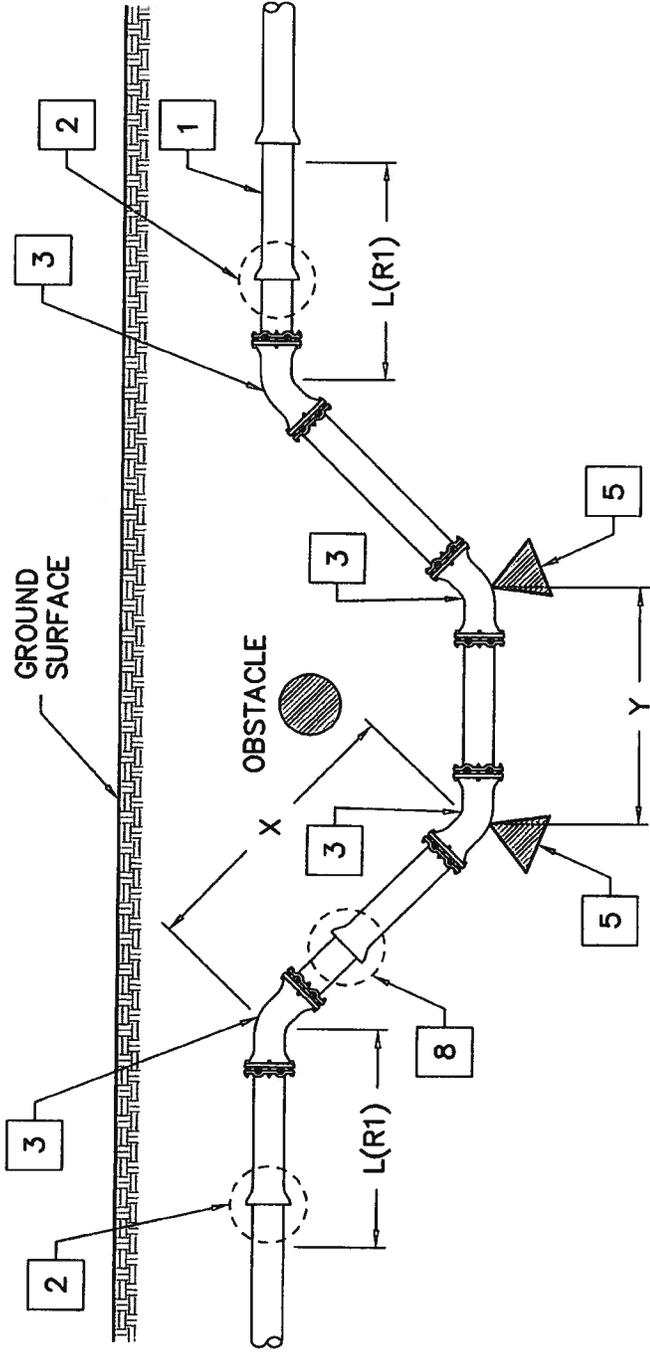
VERTICAL OFFSET (PROFILE VIEW)-USE WHEN X<18 FT
 NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
Revised		
_____	THRUST RESTRAINT	W-10j



COMBINED VERTICAL OFFSET-ABOVE OBSTACLE (PROFILE VIEW)-USE WHEN X & Y < 18 FT
NOT TO SCALE

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
	Revised	
THRUST RESTRAINT		W-10k



**COMBINED VERTICAL OFFSET-BENEATH OBSTACLE (PROFILE VIEW)-USE WHEN X & Y < 18 FT
NOT TO SCALE**

Date May 14, 2013	TOWN OF WINCHESTER SEWER and WATER COMMISSION	
	Revised	THRUST RESTRAINT W-10I