

# **REQUEST TO CONSTRUCT, MODIFY AND COMPLETED WORKS FOR A PUBLIC WATER MAIN**

## **REQUEST TO CONSTRUCT, MODIFY A PUBLIC WATER MAIN**

Description: Prior to the construction of a new or modification of an existing public water main, approval must be secured from the Westchester County Department of Health.

Applicable Codes: Part 5, Subpart 5-1 Section 5-1.22 of the New York State Sanitary Code and Chapter 873, Article VII, Section 873.707.1 of the Laws of Westchester County.

Fees: Chapter 873, Article XXI of the Laws of Westchester County.

Submittal: The submittal shall be forwarded to the Westchester County Department Health, 145 Huguenot Street, 7<sup>th</sup> Floor, New Rochelle, New York 10801, Attention: Program Administrator. When requesting Approval of Plans for a project pursuant to the above provisions, the following list serves as the minimum filing requirements:

- (1) One (1) original form DOH-348 with all items completed. This form must be dated and bear the original signature of the applicant.
- (2) One (1) original Engineer's Report bearing the original signature and original seal of a Professional Engineer licensed and registered in the State of New York. The Engineer's Report must provide a narrative of the scope, details, and specifications of the project and include copies of the supplier's records indicating existing water pressure in the project area when the project will result in a change in demand.
- (3) A minimum of three (3) construction plans, (one (1) plan will be retained by the Department) that are prepared by a Professional Engineer licensed and registered in the State of New York. These plans must bear the professional's original signature and seal, be prepared pursuant to Title VIII Article 145, Section 7209 of the New York State Education Law and signed by the Municipal Engineer when applicable.

(A) Plan Contents:

(A) Minimum requirements to be included in the plans:

- (1) Location Map
- (2) Site plan of the project denoting all applicable appurtenances including profile views.
- (3) Provide specification of the piping network, pipe diameter, material of construction, and class of pipe.
- (4) Provide a note on the plans indicating that pressure/leakage testing shall be performed in accordance with the latest edition of AWWA Standard C600.
- (5) Provide a note on the plans indicating that disinfection and bacteriological testing will be performed in accordance with AWWA Standard C651-05 except for Section 4.4.2 or the latest AWWA Standard.
- (6) Provide a note on the plan that supplier's records indicate adequate pressure and capacity is available for the area. This note is to be included when the project results in increased demand.
- (7) Profile must illustrate that the minimum water main depths will be at least four (4) feet below the ground surface and that the required separation exists between water main and sanitary sewers.
- (8) All other applicable specifications can be provided in a specification book which bears the original seal and signature of the licensed and registered professional engineer in the State of New York.

(B) The following standard details which are applicable to the project must be included on the plans or on a standard detail sheet with the following note: "Only details relevant to the specific public water supply improvements shown on the attached plans are applicable".

- (1) Trenching detail, bedding of pipe, and backfill detail.
- (2) Hydrant detail with all items denoted from Section 8.4 with a note including Section 8.4.4 of the Recommended Standards for Water Works, 2003 edition, preceded by "If groundwater is found within seven (7) feet of the ground surface then...".
- (3) Flushing hydrants and/or blow offs details when applicable
- (4) Air relief valves detail
- (5) Thrust blocking detail
- (6) Horizontal and vertical separations between water mains and sanitary sewers must be illustrated showing conformance with Section 8.8 of the Recommended Standards for Water Works, 2003 edition, or illustrate an adequate alternate design for requesting and the Department granting relief from this requirement.

# **ISSUANCE OF COMPLETED WORKS APPROVAL FOR A WATER MAIN**

**Description:** Prior to the activation of a new or modified water main, approval must be secured from the Westchester County Department of Health.

**Applicable Codes:** Part 5, Subpart 5-1 Section 5-1.22 of the New York State Sanitary Code and Chapter 873, Article VII, Section 873.707.5 of the Laws of Westchester County.

**Fees:** Chapter 873, Article XXI of the Laws of Westchester County.

**Submittal:** The submittal shall be forwarded to the Westchester County Department of Health, 145 Huguenot Street, 7<sup>th</sup> Floor, New Rochelle, NY 10801, Attention: Project Reviewer. When requesting Approval of Completed Works pursuant to the above provisions, the following list serves as the minimum requirements:

- (1) Water Pressure Test Form (Form #WPT-1-98) that has been signed and sealed by a Professional Engineer licensed and registered in the State of New York. Note: The Westchester County Department of Health must be notified forty-eight (48) hours in advance that such test is to be performed. The Department may witness such test.
- (2) A minimum of two (2) sets of “As-Built” plans (one (1) set being retained by the Department), bearing the original signature and seal of the construction supervising Professional Engineer licensed and registered in the State of New York. This set must reflect any changes from the original approved plan by “Bubbling” these changes. Note: All deviation from the original plan approval must have received prior approval from the Department.
- (3) That a copy of an acceptable Bacteriological Water Analysis (for E-Coli and HPC) of the water in the new or modified water main must be submitted for review. This water sample must be taken after the Pressure Test, and after the main has been disinfected in accordance with AWWA Standards C-651-05 except for Section 4.4.2 or latest AWWA Standard.
- (4) That the construction supervising Professional Engineer licensed and registered in the State of New York provides a Certification Letter bearing the professional’s original seal and signature which will be forwarded with the bacteriological results, water pressure test results, and “As-Built” plans. This letter shall provide a statement that the undersigned has supervised or witnessed construction, the water pressure test, and bacteriological sampling, and that there are no construction changes from the original Department approval. In the event that construction changes do exist and have received prior Departmental approval, this letter must reflect such changes.