

SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF SANITATION
SUBDIVISION/SEWER PROJECTS

GENERAL NOTES

(Revised 3-20-14)

1. No construction shall commence until the following conditions are met:
 - A. The owner, engineer and contractor attend a preconstruction meeting with Department of Public Works representatives.
 - B. A permit to construct and discharge for the waste disposal system (NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION) and an approval to construct issued by the Suffolk County Department of Public Works (SCDPW) have been received.
 - C. The owner or his/her representative has notified the SCDPW in writing of his intention to commence construction and he/she shall submit an accurate schedule of anticipated work progress at least 14 calendar days prior to actual commencement date. If for any reason construction is temporarily suspended, a written notice of same shall be transmitted to the SCDPW. Written notice of recommencement of construction together with a revised progress schedule shall be transmitted to the SCDPW at least three (3) work days prior to actual recommencement date).
 - D. The owner and/or contractor has filed all necessary applications with NYSDEC, the Suffolk County Department of Health Services, Suffolk County Department of Public Works, the local town and has obtained all necessary approvals.
2. All workmanship and materials for sewer construction included in this project shall conform to the latest requirements of the SCDPW's Specifications for Sewer Construction inclusive of all revisions and addenda thereto. Unless otherwise approved by SCDPW, all materials shall be American made. In all cases where conflicts exist between the contract documents and the latest revisions of the Specification for Sewer Construction, the interpretation and rulings of the SCDPW shall be binding.
3. Prior to the incorporation of any material or equipment into the work, five (5) copies of shop drawings, catalog cuts, characteristic curves, test results performance data, etc. as may be required by the SCDPW shall be submitted to the SCDPW, Division of Sanitation. No material or equipment shall be incorporated into the work until all required submittals are reviewed and approved, in writing, by the SCDPW.
4. Sanitary gravity lines shall be laid a minimum distance of 10.0' horizontally and 1.5' vertically below any existing or proposed water main.
5. The contractor shall furnish and install an underground marking tape along all sewer lines, force mains and house connections in accordance with SCDPW specifications for same.
6. The contractor shall determine the exact location and elevation of existing utilities (including existing sewers) by field investigation. The contractor is responsible to

determine the adequacy of all existing sewers to accept connection of the proposed work. The Engineer shall be notified of any conflicts between existing utilities and of any inadequacy of the existing sewer lines to properly accept proposed connections and flows.

7. It is the responsibility of the Owner to restore all areas disturbed by his work, to the condition as before the work commenced.
8. During construction, a representative of the SCDPW must be present to observe and examine the workmanship and materials being incorporated in the project. The Department shall be the sole judge as to whether the construction provided is in compliance with Departmental requirements. At any time during the course of the construction that the work is deemed unacceptable, a stop work order will be issued and any work performed after the issuance of such an order shall not be accepted or approved by the SCDPW. Unapproved work and/or material shall be removed and replaced to the satisfaction of the SCDPW before approval to recommence work will be granted.
9. The owner and his contractor(s) shall be responsible for maintaining the construction site in a non-hazardous condition all in accordance with the requirements of the New York State Department of Labor, OSHA and all other agencies having jurisdiction. Unless otherwise approved in writing by SCDPW, the contractor shall erect and maintain adequate fencing around all open excavations.
10. Final approval shall not be granted until all the following requirements are fulfilled to the satisfaction of the SCDPW.
 - A. The system shall be subjected to testing to establish the adequacy of individual components and of the overall system's ability to meet the requirements of the approved contract documents. All acceptance testing shall be performed at no cost to the Department and no acceptance testing shall be performed unless witnessed by a duly authorized representative of the SCDPW. The Department shall be the sole judge as to the adequacy of the items tested and defects shall be corrected to the satisfaction of the SCDPW.
 - B. Reproducible "as-built" record drawings of the completed sewage collection system shall be submitted to the SCDPW. "As-builts" must be signed and sealed by a duly licensed New York State Land Surveyor and must supply a suitable permanent record of the exact location and elevation of sewer lines, structures, stubs, house connections, wyes and appurtenances. "As-builts" shall be prepared in accordance with SCDPW Standards for "as-builts" drawings for sewer construction and must be ink on mylar or equal drafting media and/or digital, as required by SCDPW. Plans must be in the following coordinate systems:
Horizontal Coordinate System: NAD 1983, State Plane, New York, Long Island Zone, US Survey Feet
Vertical Datum: North American Vertical Datum 1988

- C. Reproducible “as-built” record drawings of the completed sewage works shall be submitted to the SCDPW. “As-builts” must include, but not be limited to site plan, operation and maintenance manuals schematics and elementary drawings of electrical, mechanical and process systems. Drawings must be signed and sealed by New York State Licensed Professional Engineer, and must be ink on mylar or equal drafting media and/or digital, as required by SCDPW. Plans must be in the following coordinate systems:
Horizontal Coordinate System: NAD 1983, State Plane, New York, Long Island Zone, US Survey Feet
Vertical Datum: North American Vertical Datum 1988
- D. A “Certificate of Compliance” for all material, work and equipment incorporated into the project must be submitted to the SCDPW by the Project Engineer. The certificate must be attested to and signed by a duly commissioned Notary Public.
11. All materials and methods of construction must comply with the Technical Specifications for the Construction of Building Sewer Connections.
12. Testing of force main – Method I or Method II may be implemented.

Method I

- (a) Force mains shall be subjected to a pressure test of two hundred (200) psi for a period of thirty (30) minutes, measured at the lower end of the section. Pumps, pipe connections, gauges and all necessary apparatus will be furnished by the Contractor, and all defective pipe, couplings and fittings will be replaced by the Contractor at his expense.
- (b) Then the force main shall be tested for leakage at seventy-five (75) psi for a period of six (6) hours, measured at the lower end of the section. At such pressure the leakage shall not exceed forty-six (46) gallons per inch diameter per mile per twenty-four (24) hours. All necessary pumps, gauges and other apparatus will be furnished by the Contractor. In the event that the force main fails to meet the leakage test, the Contractor, at his own expense will locate and repair the defective pipe or joints until the leakage is within the allowable limit.

Method II

Force mains shall be subjected to a pressure test of two hundred (200) psi for a period of two (2) hours measured at the lower end of the section. At such pressure there shall be no leakage loss. All necessary pumps, gauges and other apparatus will be furnished by the Contractor. In the event that the force main fails to meet the leakage test, the Contractor at his own expense will locate and repair the defective pipe on joints until there is no leakage loss.

13. Structural Design Requirements – All structural requirements should be incorporated on the construction plans. These details include: reinforcing bar sizes and lengths, reinforcing bar development/splice lengths, concrete wall thickness (minimum 15”) and corner details. Any design detail requirements, such as above, not incorporated in the design drawings will have to be provided prior to construction. If design details are provided by a contractor, they must be reviewed and stamped by the professional design engineer.
14. The interior walls of all WWTP process tanks, the interior walls of all pumping stations, the exterior walls of all precast concrete structures installed below ground water, and all piping installed in tanks and pumping stations are to be coated with a two part epoxy paint.

15. One 6" connection line for each individually owned unit on single and separate lot. Separate 6" min. connection line for first floor and another 6" min. line connection for all other floors. All connections lines to be properly sized for units served (rental apartments, multi-unit condominiums and townhouse buidings and office buildings only).
16. All pumping stations shall have a prefabricated concrete or a masonry block building which will be used to house the control panels, and if required by SCDPW, the emergency generator. Heat and/or air conditioning shall be provided as required for the equipment.
17. Unless otherwise approved by SCDPW, all pumping station control buildings will be required to be equipped with an odor control system for the operation of the pump station/force main.

MARKING TAPE NOTES

A. SCOPE

The contractor shall furnish and install an underground marking tape along all sewer lines, mains and house connections.

B. MATERIALS

The material shall be solid plastic tape with a minimum thickness of 4.5 mil. The tape shall be resistant to alkalis, acids and other destructive elements. The tape shall be green in color, 3" min. width, marked with the words, "Caution – Sanitary Sewer." The warning shall be repeated every 16" – 36".

C. INSTALLATION

After partially backfilling and leveling the trenches to a height of 18" – 24" above the crown of pipe, the roll of tape shall be mounted on a wheel and spread above the prepared surface as straight as possible. The tape shall be held in position by adding backfill with hand shoves before using mechanical equipment to finish the back fill.

If the sewer line or house connection does not end into a manhole, the tape shall be extended at least three (3) feet beyond the plugged end of the line.

