

Sewer Use Law

SEWER 502-A -- LOW PRESSURE SEWER SYSTEM, GRINDER PUMP AND SERVICE LATERAL DESIGN AND CONSTRUCTION STANDARDS

1. General:

- 1.1. Any property requiring connection to the municipal sanitary sewer system using a pump shall have installed, at the property owner's sole expense, a properly sized grinder pump and service lateral system as specified here.
- 1.2. **The service shall not be activated until approved by the Superintendent of Public Works (Superintendent), the Village Code Enforcement Officer, and the approved Electrical Underwriter.** The property owner shall provide access to the Superintendent or Superintendent's designated representative for inspection of the complete pump and service lateral installation prior to burial.
- 1.3. The connection to the sewer shall be made under the inspection of the Superintendent or Superintendent's designated representative.
- 1.4. Property owners are advised that grinder pump systems have limited storage capacity for sanitary waste. Therefore, property owners should consider making accommodations for an appropriately sized electrical generator to allow pump operation during extended power outages.
- 1.5. Commercial, Institutional, and multi-family residential buildings with flows greater than a typical one- or two-family home must have calculations prepared and submitted to the Superintendent defining the sewage flow rate and demonstrating appropriate sizing of the grinder pump station and service lateral. Such calculations shall be made by a professional engineer licensed to practice in the State of New York and shall bear the seal and signature of the licensed engineer.

2. Grinder Pumps:

2.1. Equipment and Materials:

- 2.1.1. All grinder pump stations connected to the municipal sanitary sewer system shall be the semi-positive displacement pump manufactured by **Environment One Corporation (hereinafter, E/One)**.
- 2.1.2. Griner pump stations shall be **E/One D-Series** unless otherwise approved by the Superintendent.

2.2. Installation

- 2.2.1. Grinder pumps and service lateral shall be installed in accordance with E/One's instructions.
- 2.2.2. Each single-family home, multi-family home, institutional building and commercial building shall be serviced by a separate grinder pump station unless otherwise approved by the Board of Trustees and the Superintendent.

3. Service Laterals:

3.1. Equipment and Materials:

- 3.1.1. The service lateral from the grinder pump station to the sewer main shall be a minimum 1 ¼-inch diameter DR-11 High Density Polyethylene pipe. Larger diameter pipe shall be installed as appropriate for installations with flow rates greater than that of a typical single-family home.
- 3.1.2. Connection of the lateral to the sewer main shall be made with an E/One SDR-11 HDPE Forced Sewer Main Service Lateral Kit that includes a curb box and check valve.

3.2. Installation:

- 3.2.1. Install service lateral and connection to the sewer main in accordance with E/One manufacturer's instructions.
- 3.2.2. All service lateral piping shall be installed at a minimum depth of 5'-0" below finished grade.
- 3.2.3. All service lateral piping shall be bedded and backfilled with 8-inches of clean sand or pea gravel around boom, top and sides of pipe.
- 3.2.4. Service lateral piping shall be identified with a magnetic warning tape located 24-inches below finished grade.

4. Ownership and Maintenance:

- 4.1. Grinder pumps and service laterals shall be owned by the property owner and shall be maintained by the property owner at the property owner's sole expense.
- 4.2. When service and maintenance is required, the property owner shall cause the service and maintenance to be completed by an environment One factory authorized service provider.