



Town of Guilderland, New York
Department of Water and Wastewater Management

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TYPICAL SANITARY SERVICE INSTALLATION
SPECIFICATIONS AND REGULATIONS



These instructions are being distributed to allow residents to plan their installations. Please note that public sewers are not available to all portions of Guilderland. Before committing with a contractor for hookup work, verify with this office that municipal service is available to your location.

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These regulations are for use as a general guide. The Water Department strongly recommends that specific approval be obtained prior to proceeding with installation.

It is also recommended that before work begins, **DIG SAFELY NEW YORK**, formerly Underground Facilities Protection Organization (UFPO) be contacted (1-800-962-7962). This organization marks out locations of nearby underground gas, electric and telephone lines at no charge. If water and/or sewer service lines need to be located, call the Department of Water and Wastewater Management.

The following points are herein repeated as emphasis of requirements:

1. Each customer or his or her agent is required to obtain an installation permit, available from the Receiver of Taxes / Administration Office.
2. Each installation must be inspected and approved by an employee of the Sewer Department.
3. No sanitary service is to be used until inspection has been made and then only by authorized employees of the Town's Sewer Department.

The Guilderland Sewer Department remains available to discuss any questions you may have concerning your installation. We can be reached at (518) 456-6474.



The easiest way, and the legal way, is to call Dig Safely **New York** for a utility stake-out. It is the One Call Notification Center that supports all of New York State with the exception of Long Island and the Boroughs of New York City. The call is free and only takes a few minutes. So if you are planning to excavate, whether it be for a large commercial project or planting a tree in your backyard, take the extra few minutes to prevent damage.

Call Dig Safely **New York** at least (2) full working days before you dig.

1-800-962-7962

General

1. A service connection point has been provided at the property line and marked with a piece of lumber. If the location is unknown, please contact the Office of Water & Wastewater Management and we will assist you in locating it. The pipe at the property line is typically 6-inch diameter vitrified clay, with compression "O" ring joints.
2. It is the responsibility of the homeowner to provide all labor and materials to make the connection from the house to the service lateral connection located at the property line.
3. Before the start of construction, a sewer permit must be obtained from the Receiver of Taxes at the Town Hall. The cost is as follows:

Residential Permit & Inspection Fee	\$ 200.00
Residential Connection Fee	\$ 150.00
Commercial/Duplex Permit & Inspection	\$ 250.00
Commercial/Duplex Connection Fee	\$ 200.00
Sewer Tap – Excavation by others	\$1000.00

<u>Sewer Mitigation Fee</u>		
Single family, Two family, Townhouse	\$ 750 per bedroom	
Multiple family, Mixed use dwelling	\$ 600 per bedroom	
Senior residential facility		\$ 500 per bedroom
Affordable housing		\$ 400 per eligible bedroom
Subsidized senior housing		\$ 400 per eligible bedroom
Commercial, Industrial, Other uses		\$2000+\$7.50 per gal per day based on standard engineering estimates
<u>Plan Reviews</u>	Residential Developments over 1,000 GPD Commercial/Industrial Developments	\$0.1 X Estimated Flow GPD \$250.00 minimum OR \$0.1 X Estimated Flow GPD

4. All work shall be inspected prior to covering the pipe. Failure to notify this Department will be grounds for rejection of all the work installed and will require reinstallation of the line. To request an inspection, call the Office of Water & Wastewater Management at 518-456-6474 and give the name and address of the residence. Allow one (1) hour for an inspector to arrive before calling again.
5. It is also recommended that before work begins, **DIG SAFELY NEW YORK**, formerly, the Underground Facilities Protection Organization (UFPO) be contacted at 1-800-962-7962. This organization coordinates the location of underground gas, electric, telephone lines, and water and sewer utilities.
6. At the time of cut-over to the sanitary sewer system, all other methods of wastewater disposal must be disconnected.
7. No cellar floor drains, foundation drains, down spouts or other sources of uncontaminated water may be discharged into the sanitary system.
8. All septic tanks, cesspools, and similar private wastewater disposal facilities shall be abandoned, cleaned of wastewater and sludge, and filled with clean fill. The opening from the disposal system to the leach field shall be plugged with concrete. Pumping the contents into the new sewer system is prohibited.
9. If required, a discharge monitoring application shall be completed prior to issuance of a permit. The resident and/or the contractor shall be aware of Chapter 225 of the Town Code. This is the Town's Sewer Use Code. This Law describes in detail all regulations pertaining to the type of wastewater discharges, public health regulations, powers of authority of inspectors, enforcement and penalties etc., in the control and regulating of the Town's wastewater disposal system.
10. The lateral at the property line has been sealed with a "plug". This plug shall be returned to the Town's inspector.
11. If you believe that you cannot meet the requirements of this Department because of existing construction problems, contact the Office of Water & Wastewater Management prior to construction.

Detailed Information

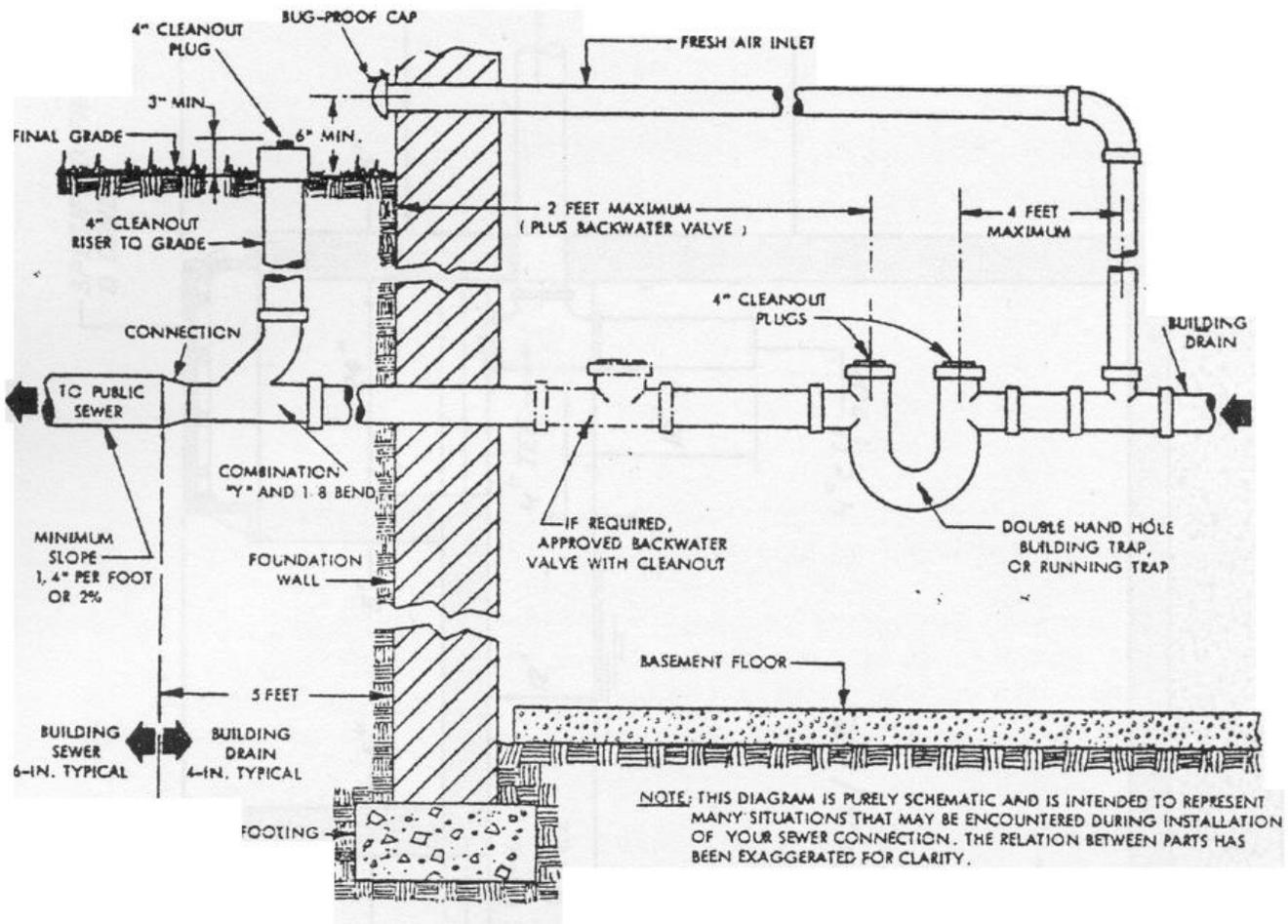
1. It is the responsibility of the installer of the service line to fully understand the installation recommendations of the materials manufacturer. This would include such items as, but not limited to, bedding conditions, joint construction, backfilling etc.
2. It is the responsibility of the installer to conform to all Federal and State Safety Regulations that apply to the lateral installation.
3. The type of pipe that is to be used for service laterals from the property line to within five (5) feet of the building shall be 6-inch PVC SDR 35 plastic pipe, or 6-inch PVC SDR 26 plastic pipe.
4. A Fernco® flexible coupling (model #1002-66) shall be used to make the conversion from clay to the PVC pipe. The conversion from PVC pipe to the 4-inch cast iron pipe, or 4-inch SCH 40 PVC at the foundation shall be made using a Fernco® coupling model #1056-64.
5. The stainless-steel bands shall be tightened to 60 inch-pounds of torque.
6. The installer is hereby notified that the use of 'bushings' or "donuts" for the jointing of different pipes will not be accepted.
7. The lateral shall not be laid at a slope less than ¼ inch per foot.
8. If a clean out is required in the 6-inch diameter pipe, the cleanout shall be constructed of the same material as the pipe. For additional information, please contact this office.
9. If basement toilets or other plumbing fixtures are to be used, a 4" check-valve shall be installed ahead of the building trap. If installed below grade, suitable access for maintenance shall be provided.
10. An outside clean out is required within 4 feet of basement wall or slab. An additional clean out is required for every 100 feet of lineal pipe. The clean out shall be capped and buried no more than 4 inches below grade.
11. No 90-degree fittings shall be installed.
12. The building trap double hand hole shall be a double hand-hole type with threaded cleanout plugs.
13. Minimum cover over the sanitary sewer lateral shall be four (4) feet unless otherwise previously approved by the Superintendent of Water & Wastewater Management.
14. All interior and exterior cast iron clean outs, shall have brass plugs. The brass fittings shall be installed by leading or by using soil pipe cement (lead substitute) as manufactured by the Galaxy Chemical Company, or approved equal; rubber gaskets are also allowed.
15. All cast iron pipe joints shall be installed with push-on rubber gaskets or leaded.
16. PVC Schedule 40 pipe and fittings may be substituted for all cast iron components. NOTE: Exception, where not found in accordance with the latest revision of the New York State Plumbing Code.
17. Inspections of sanitary sewer lateral connections will be performed weekdays between the hours of 8:00AM and 4:00PM. There will be no inspections on New York State recognized legal holidays.
18. Grinder pump service line specifications. (see detail specification sheet 8 of 20)

For additional information, contact the Office of Water & Wastewater Management at (518) 456-6474.

Typical Building Drain Layout

The intent of the Office of Water & Wastewater Management's requirements is to provide a system to protect the health and safety of the homeowner. If the service lateral is installed and treated correctly, it should give the homeowner years of trouble-free service.

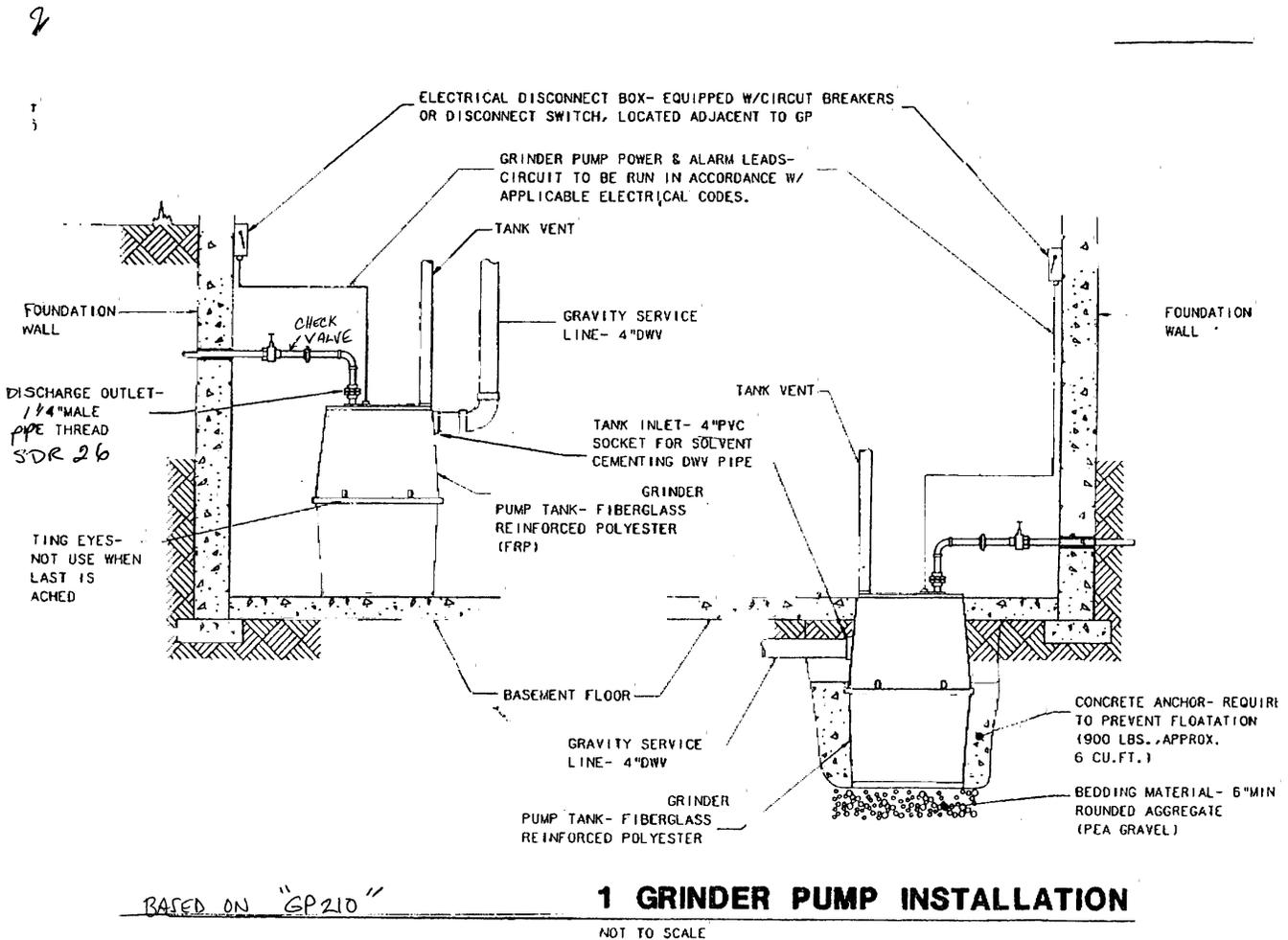
Typical Building Drain Layout Diagram



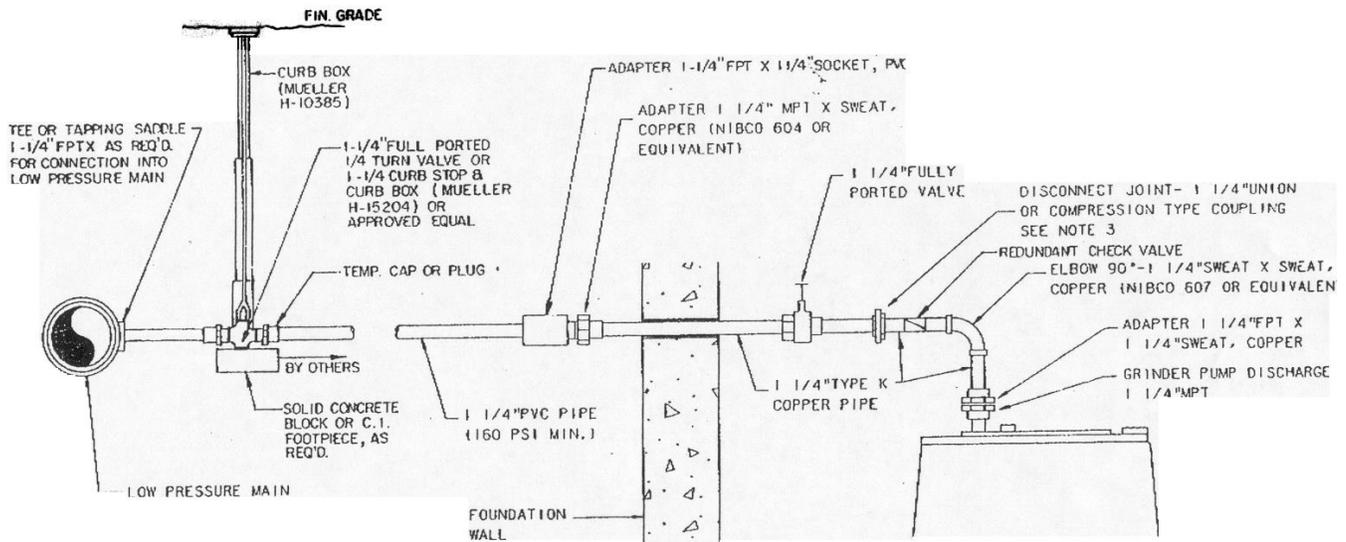
Grinder Pump Installations

Typical 1-1/4 inch Grinder Pump Installations

1. Where low-pressure sewers and grinder pump installations are used, the following shall be specified as part of the installation:
 - a. All pipes shall be high-density-polyethylene ASTM D2737 CTS HDPE 1-1/4" diameter, 200 psi rated with K-copper outside diameter. Stainless steel inserts shall be used at all connections.
 - b. All fittings and valves shall be manufactured of brass and shall be fully ported. All fittings shall be of compression type and shall be installed with stainless steel inserts for the HDPE pipe connections.
2. All grinder pumps installations shall be made in conformance with low-pressure sewer system design criteria. Please call the Office of Water & Wastewater for further information.
3. Interior piping shall include a fully ported shut-off and check valve. Please refer to the specification sheet.
4. All installations shall follow the manufacturers' recommendations for venting, electrical connections etc.



Discharging Pipe to Low-Pressure Sewer Main Detail



NOTES:

1. INSTALLATION MUST CONFORM TO ALL APPLICABLE CODES (BUILDING, ELECTRIC, PLUMBING, ECT.)
2. DISCHARGE LINE TO BE BELOW FROST LINE OR PROTECTED FROM FREEZING WITH INSULATION.
3. DISCONNECT JOINT MUST BE BEYOND THE OUTSIDE OF THE GRINDER PUMP CORE AND A MIN. OF 3' HEAD ROOM OVER THE TANK TO ALLOW REMOVAL OF PUMP.