

Town of New Canaan
Application for Sewer Connection Permit

Location _____ Date _____
Permit # _____ Map # _____ Block # _____ Lot # _____
Owner _____ Address _____
Pipe Layer _____ Phone # _____
Excavator _____ Phone # _____
Pipe Size _____ Type _____ Type of Connection _____
Date Work Started _____ Station of Y or Lateral _____
Date Permit Issued _____

I have read Sections 254-13, 14 & 15 of the Town of New Canaan Code and hereby agree to conform to all their requirements and those called for on the Sewer Connection Permit

Approved By

Applicant's Signature

Sewer Lateral Connection Information

This information is a guideline to answer commonly asked questions concerning the connection of a sewer lateral service from a residence.

Do I need a permit from the DPW to work perform work on a sanitary sewer connection?

Any work done to the sanitary sewer outside of a building, including a cap off requires a permit from the DPW.

What do I need to pull a permit with the DPW?

You must complete the attached permit application and present a sketch of the proposed work in accordance with the attached sample sketch when applying for the permit. The sketch of proposed work shall include the: proposed sewer location; type and size of pipe; locations of all cleanouts, bends, and connections; pump location (if applicable); type of bedding material proposed; or other relevant information detailing proposed work.

A permit fee must be paid to The Town of New Canaan

Disconnection Fee \$100.00

Connection Fee \$300.00--must be paid to the Town of New Canaan.

A sample of As Built is attached to this information pack

You may set up an appointment to meet with a sewer inspector by calling the Public Works Department 203-594-3054.

If your project involves work on town owned property, you must also obtain a Street Opening Permit from the DPW:

Road Opening Permit Fee dependent on existing road condition and size of cut.

(Contact DPW for information)

Street Opening Bond for \$10,000 to be held for 2-years

CBYD #

Permits must be obtained by a licensed contractor prior to installation of the sewer lateral. Private homeowners cannot take out a sewer connection permit unless they have the credentials.

The Sewer Department also requires 24 hours' notice so that an inspection of the sewer lateral by the Sewer Department can be arranged.

New Canaan Sewer Department 203-594-3700

Any work in or within 50 ft. of a wetland or watercourse, is a regulated activity and requires a permit from the New Canaan Wetlands Department. 203-594-3061

Definitions used in this outline are:

Main Gravity Sewer: is located in the street, collects wastewater from house laterals, discharges into wastewater pumping stations which transport it to the treatment plant in New Canaan. Installation and maintenance of all Main Gravity Sewers falls under the jurisdiction of the Darien Sewer Commission. Main gravity sewers are 8 inches in diameter or larger and have manhole access at appropriate intervals. Connections to main line sewers must be made with approved saddles and encased in concrete. A Sewer Lateral Form (attached) must be submitted to the DPW when connecting to the sewer main.

Gravity Sewer Lateral: is the pipe which goes from a residence to the main gravity sewer.

Construction of all laterals must be in accordance with Sewer Commission regulations, and all laterals are inspected by the Superintendent of Sewer Services when they are installed. Laterals are owned and maintained by the owner of the property. Gravity lines are to have a cleanout within 5ft of the foundation.

Connection to the sewer involves the following steps:

Obtain a qualified / licensed contractor to perform the work, the contractor must, Call Before You Dig (CBYD).

Submit a sketch of proposed work, arrange inspection by town.

Obtaining the necessary permit(s) Sewer and Street Opening if necessary.

Submit as built sketch in accordance with permit package.

Sewers must be installed by a plumber licensed in the State of Connecticut.

The following State Plumbing licenses are acceptable: P-1, P-3, P-7, W-9.

A journeyman is not a contractor, but is a tradesman who is licensed to install sewer lines. If a specific Contractor does not have a licensed plumber from his staff on the jobsite, he must have a licensed journeyman present with one of the following licenses:

P-6, W-8 P-2, or P-4.

What type of pipe materials can be used?

Acceptable pipes are:

4" or 6" Diameter Heavy Duty Cast Iron, pipe type: ASTM A-74 with bell and spigot joints or ASTM A-888 with Cast Iron split sleeve bolted joints with rubber gasket or 3" wide, heavy duty, stainless steel banded coupling with rubber gasket clamp all (ANACO SD 4000). Cast Iron can be used in most applications especially under a driveway if there is less than 4 ft. of cover, and is also the requirement to go through the foundation, if a pipe does not already exit the foundation or needs to be replaced.

4" or 6" Diameter C 900 PVC pipe with rubber compression gasket joints, is a stronger form of plastic pipe that can also be used where there is less than 4 ft. of cover, and is preferred near water supply areas, or pipes.

6" Diameter SDR-35 PVC: pipe can be used where there is more than 4ft of cover, with rubber compression gasket joints.

4" or 6" Diameter Schedule 40 PVC: pipe can be used where there is more than 4ft of cover, with rubber compression gasketed couplings (Harco Mfg. ASTM D 3139) or Solvent weld couplings/ fittings using the proper two step PVC solvent solution procedure.

4" or 6" Diameter Ductile Iron: pipe with rubber compression gaskets can be used in almost any application.

How deep does the pipe need to be?

The ideal amount of cover for the lateral should be at least 4 ft., this is to protect the lateral from freezing and movement due to the freeze and thaw cycle, also to protect it from breaking if it is located in a driveway, or other traffic areas.

Pitch of the Lateral:

Gravity sewers are designed to constantly flow downstream. Therefore, the minimum slope which is allowed on a sewer lateral connection is 2 percent or 2 feet drop per 100 ft. In homes which have very flat yards or have some type of hardship this minimum slope requirement may be waived, but only with the approval of the Superintendent of Sewer Department. In some cases where a gravity sewer installation is not possible a pump system may be required.

Bedding for the pipe:

There should be 6" of bedding below the pipe and 6" on the sides and top. The bedding shall be in place at time of final inspection with the joints exposed. Bedding should be gravel or crushed stone.

Where should the lateral be located?

It is usually up to the property owner (with assistance from a Contractor), to determine the route of the lateral pipe

Pump Lateral Installations:

Lateral lines must be at a depth of 4ft because the line is always charged, and the base of the pump must be encased in concrete per manufactures specification. The pipe materials that can be used are 1" A or 1 V4" Sch. 40 PVC, SDR-9, SIDR-7, or DR-9 all pipes must be rated at a minimum of 200 psi. If the lateral line connects to a mainline pressure system there must be a check valve between the individual house pump and the road shut off valve. Fernco's are **NOT** allowed on pressure lines, joints should *be* threaded compression or glued.

Other things to keep in mind:

The longer the run of the pipe the more expensive it will be, so try to pick the most direct route. Bends can be installed on a lateral line, this can be done to avoid obstacles. Bends can never be more than 45 degrees, 90 degree bends or fittings of any kind are not allowed. Two 45 degree bends with an 8 inch section of straight pipe between them may be used to create a bend.

If you have a special situation that is not covered here, have any questions, or want to schedule an inspection you can reach the Town of New Canaan DPW at 203-594-3054.

As Built-Check List
(To be completed by contractor)

1. Use a straight edge.
2. All final sketches should be on a single piece of paper. Plot plans or surveys marked up are acceptable.
3. Draw outline of house and all other buildings, driveways, stone walls, property lines, sewer manholes, driveways, piers, or other significant surface features (manmade or natural).
4. Show building orientation in relation to road.
5. Draw any existing or proposed sewer work and label all.
6. Include a north arrow on all sketches (approximate).
7. Include property address, installers name, date of work, and preparer of sketch.
8. Label the length and type of pipe used (i.e.: X feet of 6" diameter Schedule 40 PVC).
9. Locate any cleanouts, change in directions beginning or termination points of work, any and all connection points of other sewers, and provide measurements.
10. Show mainline sewer in roadway or easement and label direction of flow.

TOWN OF NEW CANAAN

DEPARTMENT OF PUBLIC WORKS
TOWN HALL, 77 MAIN STREET
NEW CANAAN, CT 06840

TEL: (203) 594-3054
FAX: (203) 594-3129

DEPARTMENT PUBLIC
WORKS

Sewer Disconnection/Connection Inspection Report

Property Address: _____

Map_____ Block_____ Lot_____

Owner:_____

Demolition Contractor_____ Phone_____

Plumbing Contractor _____ Lic. # _____ Phone _____

Demolition Permit# _____

CBYD# If (applicable) _____

Date of disconnection_____ Date of Sewer connection_____

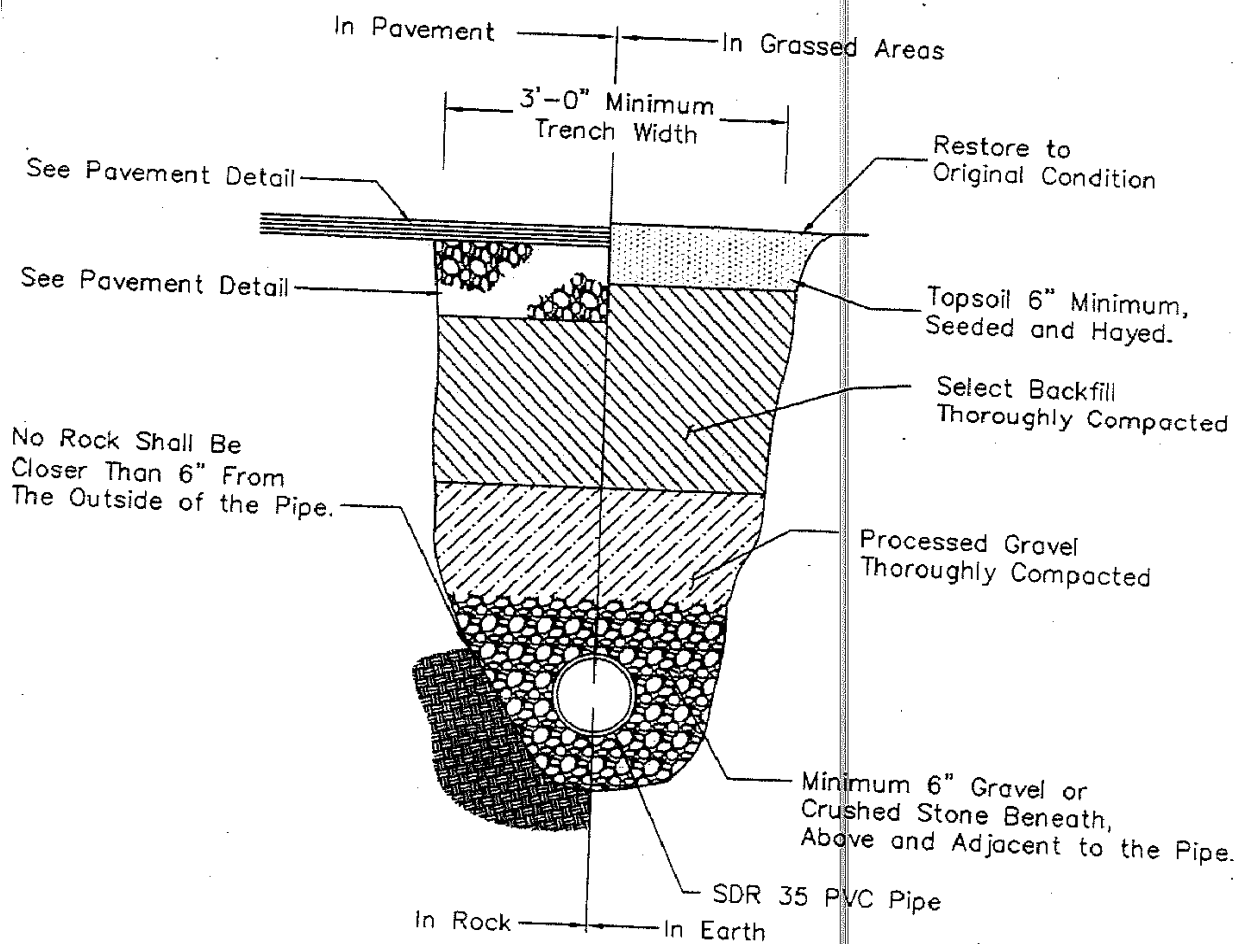
Owner's Signature: _____

Disconnect Inspected By: _____

Connection Inspected By: _____

Disconnection Fee: \$100.00 Connection Fee: \$300.00

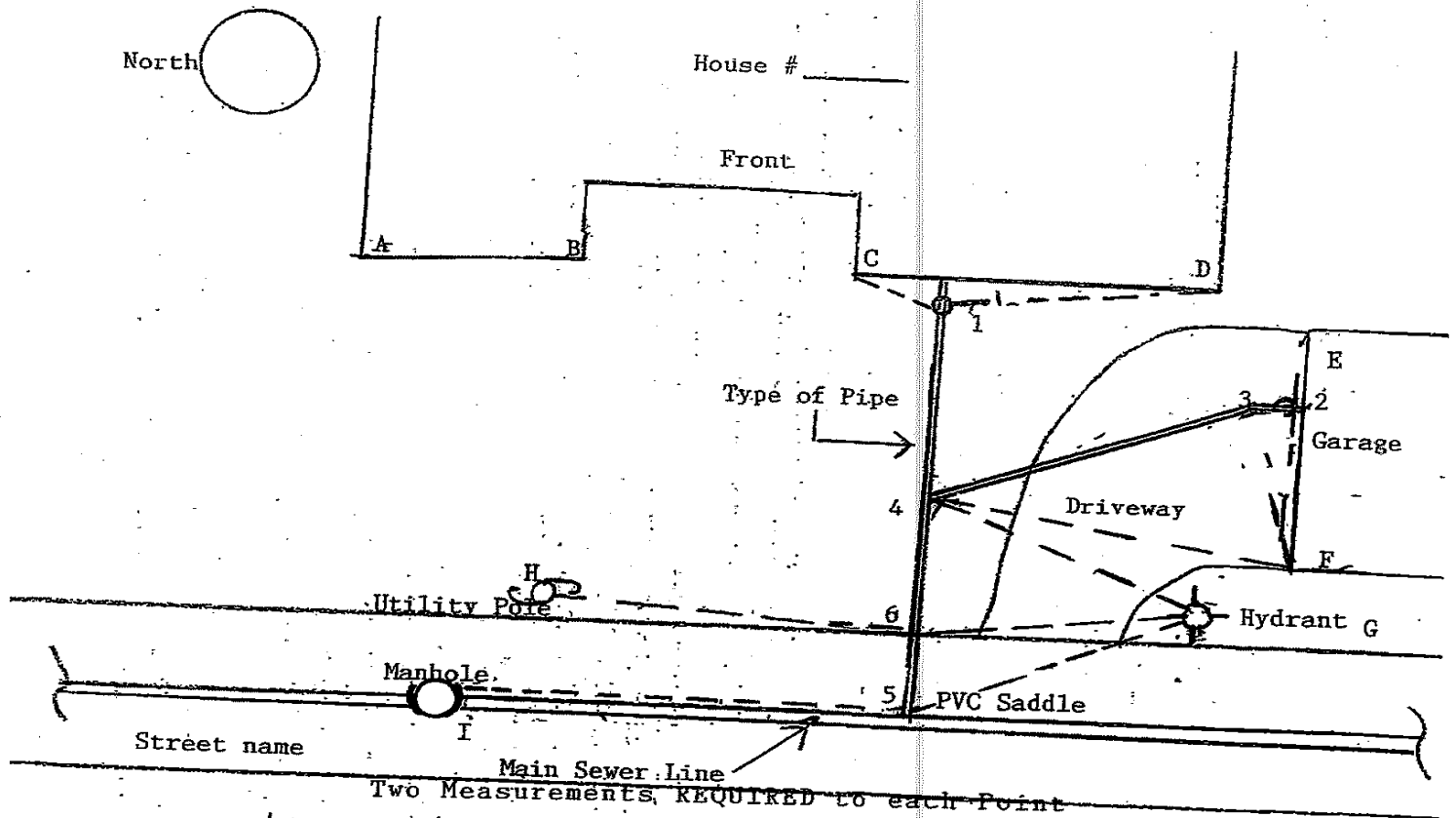
Provide Sketch:



Sample As Built Sketch

Property Address _____
 Sketch Prepared By _____

Contractor _____
 Date _____



	1	2	3	4	5	6
	Cleanout	Cleanout	22°	wyete	saddle	Property line
A corner	—	—	—	—	—	—
B corner	—	—	—	—	—	—
C corner	20 ft	—	—	—	—	—
D corner	30 ft	—	—	—	—	—
E Garage	—	15 ft	20 ft	—	—	—
F Garage	—	20 ft	30 ft	35 ft	—	—
G Hydrant	—	—	—	30 ft	35 ft	35 ft
H Pole	—	—	—	—	—	40 ft
I manhole	—	—	—	—	40 ft	—