

**DISTRICT OF CARLETON NORTH
A BY-LAW RELATING TO SANITARY SEWERAGE SYSTEMS
BY-LAW PW-1**

The Council of the District of Carleton North, under the authority vested in it by the Local Governance Act R.S.N.B 2017, c18 enacts this by-law relating to sewer systems and rates.

1. TITLE

1.1 This by-law may be cited as the “Sanitary Sewerage Systems By-Law.” Or “Sewer By-Law”

2. DEFINITIONS

In this by-law, unless the context otherwise requires:

- 2.1 "BIOCHEMICAL OXYGEN DEMAND (BOD)" shall mean the quantity of oxygen used in the biochemical oxidation of organic matter in a specified time, at a specified temperature, and under specified conditions.
- 2.2 "BUILDING" shall mean the house, trailer, structure, or property used for human occupation, and situated within the jurisdiction of the District of Carleton North.
- 2.3 "BUILDING DRAIN" shall mean the horizontal piping, including any vertical offset, that conducts sewage to the building sewer.
- 2.4 "BUILDING SEWER" shall mean a pipe that is connected to a building drain and begins one (1) meter outside a wall of a building and leads to the public sewer or other place of disposal approved/ by the Municipality.
- 2.5 "CLERK" shall mean the clerk of the District of Carleton North.
- 2.6 "ENGINEER" shall mean the engineer, firm, company, association, corporation, or group from time to time designated by the Municipality to oversee the implementation of this by-law, and the construction and maintenance of the sewer system within the Municipality's jurisdiction or his representative.
- 2.7 "INSPECTOR" shall mean the inspector from-time-to-time designated by the Municipality to oversee the implementation of this by-law and the construction and maintenance of the sewerage system within the Municipality's jurisdiction.
- 2.8 "MANHOLE" shall mean a structure atop an opening in a gravity sewer to permit entry.
- 2.9 "MATTER" includes any solid, liquid, or gas.

- 2.10 "MUNICIPALITY" shall mean the District of Carleton North, or a person or persons properly appointed by the District of Carleton North to administer this by-law.
- 2.11 "NATURAL OUTLET" shall mean any outlet into a watercourse, pond, ditch, lake or other body of surface or ground water.
- 2.12 "NATURAL WATERCOURSE" shall mean a surface or underground watercourse created by natural agencies and conditions.
- 2.13 "PROPERTY OWNER" shall mean the person in whose name a property is assessed under the Provincial Assessment Act and includes heirs, successors, executors, administrators and assigns of such a person.
- 2.14 "PARTS PER MILLION (PPM)" shall mean the number of weight or volume units of a minor constituent present with each one million units of the major constituent of a solution or mixture.
- 2.15 "PERSON" shall mean any individual, firm, company, association, institution, society, corporation, or group.
- 2.16 "pH" shall mean the logarithm of the hydrogen-ion concentration. The concentration is the weight of hydrogen ions, in grams, per litre of solution. Neutral water has a pH of 7 and hydrogen-ion concentration of 10^{-7} .
- 2.17 "PRIVATE SEWER SYSTEM" means any private system for sewage disposal serving one lot of real property.
- 2.18 "PUBLIC SEWER" shall mean a common sewer controlled by the Municipality.
- 2.19 "USER UNIT" shall mean a unit as defined in SCHEDULE B USER UNIT TABLE of this by-law.
- 2.20 "UNPOLLUTED DRAINAGE" shall mean drainage which does not contain micro-organisms, chemicals, wastes, or wastewater in a concentration that exceeds the effluent criteria in effect.
- 2.21 "SANITARY SEWER" shall mean a sewer, which carries sewage and into which admission of storm, surface, and ground waters is specifically prohibited.
- 2.22 "SEWER" shall mean a pipe or conduit for carrying domestic wastewater, industrial wastewater, surface runoff or excess ground water either together or separately.
- 2.23 "SEWER SYSTEM" shall mean collectively all the property involved in the operation of the sewer utility and shall include land, piping and appurtenances, pumping stations, treatment works and general property.

- 2.24 "SHALL" is mandatory; "MAY" is permissive.
- 2.25 "STORM SEWER" shall mean a pipe or conduit for carrying storm water, surface water and excess ground water but excludes domestic wastewater and industrial wastes.
- 2.26 "STORM WATER" means surface water from rain, snow, or ice melting and running off from the surface of a drainage area.
- 2.27 "SUSPENDED SOLIDS (SS)" shall mean solids that either float on the surface of, or are in suspension in, water, wastewater or other liquids, and which are largely removable by laboratory filtering.
- 2.28 "WASTEWATER" shall mean a combination of the water carried wastes from residences, business buildings, institutions, and industrial establishments.

3. BUILDING SEWERS

- 3.1 The Public Works Manager directly through his designates, shall have the administration supervision and control of the water and sanitary sewer systems, subject to the approval of the CAO.
- 3.2 The CAO may appoint such officers and employees as from time to time are deemed necessary for the efficient and continuous operations of the water and sewer systems.
- 3.3 Subject to the direction of the CAO, the Public Works Manager shall have general supervision of the construction, operation, and maintenance of the water system and sanitary sewer system.
- 3.4 The Public Works Manager shall cause to be made appropriate plans of the water and sanitary sewer systems of the Municipality.
- 3.5 The owner of all houses, buildings or properties used for human occupancy, employment or recreation or other purposes situated within the jurisdiction of the District of Carleton North and abutting on any street or right of way in which there is now located or may be located, a public sanitary sewer, is hereby required at his own expense to install suitable toilet facilities therein and to connect such facilities directly with the sanitary sewer in accordance with the provisions of this by-law, provided that such sanitary sewer is within forty-five metres of the property line and not more than seventy-five metres from the building to be serviced.

Where it is jointly established by the property owner, Municipality and Provincial Department of Health that a particular building does not require toilet facilities, the property owner shall be exempted from installing such facilities and from connecting to the public sewer as outlined above.

The Municipality may adopt a schedule setting out the time during which all property owners, within specified areas, shall be required to connect a building sewer from any dwelling or building drain to the public sewer and shall give the property owners at least two (2) months calendar notice by advertisement or in writing of such time limit.

- 3.6 Where the property owner fails to comply with Section 3.5, such property owner shall pay a rate equal to what the rate would be if the building sewer had been installed and may be subject to such other penalties as set out in Section 8.
- 3.7 Any person wishing or required to connect a building sewer from any dwelling or building to the public sewer shall submit to the *Public Works Manager* an "Application for Building Sewer" on the form contained in Schedule "A" annexed to this by-law. Approval of the Application for Building Sewer shall be attached to the Building Permit Application submitted to the Western NB Service Commission.
- 3.8 Upon being satisfied that the application is in order, the Municipality shall grant a permit to the applicant upon such terms and conditions, as the Municipality deems necessary.
- 3.9 No person shall install a building sewer, or uncover, make any connections with openings into, use, alter or disturb any public sewer unless a permit covering such work has been issued pursuant to this By-Law. All work outlined herein shall be done by a qualified and experienced tradesman.
- 3.10 Where a property owner connects a building sewer to the public sewer and provides an opening of the building sewer the property owner will install a backwater valve between the connection of the building sewer and the public sewer.

When any existing building sewer has outlets which are below the level of the street above the public sewer to which it connects, and such outlets remain below the said street level, the property owner shall at his own expense have installed a backwater valve in the building sewer between the connection with the public sewer and any outlet below street level. Any person who fails to install such a backwater valve within the time allotted by the Municipality for installation of such a valve may be subject to such penalties as set out in Section 8.

The Municipality shall not be held responsible for any damage suffered due to the lack of a backwater valve being installed.

- 3.11 The cost of installing a building sewer between a building and the public sewer and of repairing or resurfacing any street or sidewalk shall be paid by the person applying for the permit and such person shall indemnify the Municipality from any loss, damage or costs that may directly or indirectly be occasioned by the installation of the building sewer.
- 3.12 The size, shape, alignment, materials of construction of a building sewer and methods to be used in excavating, placing of the pipe, jointing, testing, back filling and site repairs

shall be subject to the supervision and approval of the Municipality or its agent. The Municipality shall provide a copy of "Guidelines for Installation of a Building Sewer" (Schedule D) with each permit issued. No building sewer shall be covered until it is inspected and approved by the Municipality or its agent.

- 3.13 If the Person installing a building sewer or his agent covers over any building sewer before it has been inspected and the Sewer Inspector's Report (Schedule C) completed, the Municipality shall open the same for purpose of inspection and the cost of so doing, plus an additional fine of \$5,000 shall be recoverable from the owner of the same in the same manner as rates payable hereunder.
- 3.14 Once the building sewer has been installed, connected to the public sewer, and approved by the Municipality and the Province, that portion of the building sewer which lies on public property or right of way shall be deemed to belong to the Municipality while that portion of the building sewer which lies on private property shall be deemed to belong to the owner.
- 3.15 Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged into the building sewer.
- For purpose of the initial installation of the system or any extensions of the system, any such pumps required will be supplied by the agent contracted to install the system and such pumps will become the property of the homeowner who will be responsible for maintenance, repairs and operating costs.
- 3.16 Existing building sewers and/or collection systems, which are found on examination and test by the Province or its agent to be of acceptable standard and conform to this by-law, may be incorporated into the system administered by the Municipality. If existing building sewers and/or collection systems are found not to be of acceptable standard and conform to this by-law, they shall be replaced in accordance with the provisions of this by-law.
- 3.17 Not more than one building shall be serviced from each building sewer unless a special permit is obtained from the Municipality.
- 3.18 The Municipality may refuse to permit a building sewer connection to any building.
- 3.19 The property owner shall at his expense repair, unplug and maintain in good working order the building sewer which services such building including repairing, unplugging and maintaining in good working order that portion of the building sewer which is on public property and deemed to belong to the Municipality.
- 3.20 No person shall discharge or cause to be discharged any storm water, surface water, ground water, roof run-off or sub-surface drainage to any sanitary sewer.

- 3.21 Storm water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural watercourse.
- 3.22 No unauthorized person shall uncover, make any connection with or openings into, use alter or disturb any public sewer without having obtained a written permit from the Municipality.
- 3.23 Any permit granted under this by-law may be suspended or revoked by the Municipality, if in the opinion of the Municipality, the sewage facility approved by such permit is not being installed or maintained in compliance with provisions of this by-law or the conditions upon which such permit was issued.
- 3.24 Authorized Municipality representatives bearing proper credentials and identification, with permission from the property owner and having given prior notice shall be permitted to enter upon any lands or premises served by a Municipality Sewer for the purpose of observation, inspection, measurements, sampling and testing to ascertain if the provisions of this by-law are being contravened.
- 3.25 Whenever the Municipality considers it necessary, it may require any person who is the property owner used for industrial or commercial purposes and which is connected to the sanitary sewer system of the Municipality to provide grease, oil, sand or other interceptors of a type and capacity required to ensure that levels of contaminants do not exceed the levels as set down by the Municipality.

4. PROHIBITIONS

- 4.1 No Person shall discharge, cause to be discharged, or continue to discharge, any storm water, ground water, roof run-off, sub-surface drainage, or cooling water or unpolluted industrial water into any sanitary sewer.
- 4.2 No Person shall discharge wastewater anywhere except into a public sewer, or a private sewer system. The discharge of the contents of a septic tank or any similar waste into the sanitary sewer system shall be only with the approval of the *Public Works Manager*; and only at such points and under such conditions as the *Public Works Manager* may specify.
- 4.3 No Person shall drain or deposit anything in any public sewer main, or in any pipe leading thereto, which would be liable to impair or obstruct any such sewer, nor willfully damage any sewer pipe or any part of the sewer system. Including but not limited to the following:
 - (a) Matter having a temperature in excess of 65 degrees Celsius;
 - (b) Matter which may contain any fat, oil or grease of more than 100 PPM by weight (ppm), of animal or vegetable origin or 15 parts per million by weight of petroleum

origin or lubricants of synthetic origin;

- (c) Gasoline, benzene, naphtha, fuel oil, acetone, solvents or other inflammable or explosive matter;
- (d) Ashes, cinders, garbage, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, cellulose, paunch, manure or other solids of a type or quantity capable of causing an obstruction to the flow in sewers or other interference with the proper operation of the sewage works;
- (e) Matter having a pH lower than 6.0 or higher than 9.5;
- (f) Any liquid matter containing suspended solids exceeding 350 milligrams per litre;
- (g) Matter that may cause the death of or injury to any person or capable of causing damage or hazard to structures, equipment, and personnel of the sewage works;
- (h) Hydrogen sulphide, carbon bisulphide, ammonia, trichloroethylene and other halogen substituted hydrocarbons, sulphur dioxide, formaldehyde, chlorine, bromine, pyridine, or any other matter that has or may cause offensive odors or is capable of creating a public nuisance or hazard;
- (i) Any matter in which the BOD exceeds 300 PPM;
- (j) Animal waste, such as hair, wool or fur, feathers, intestines or stomach casings, paunch, manure or intestinal contents, hides or parts thereof, hooves, horns, bones and fleshing;
- (k) Matter containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process or which constitutes a hazard to humans or animals. The Municipality may as it deems necessary set limits on other toxic or poisonous substances as may enter the sewage system at some time in the future and may alter the levels already established in this by-law. Waste considered to be toxic or poisonous shall include but not be limited to waste containing metals or chemicals such as cyanide, chromium, phenols and copper whose concentrations are more than:

Aluminum as Al	50 mg/l
Arsenic as As	1.0 mg/l
Barium as Ba	5.0 mg/l
Cadmium as Cd	2.0 mg/l
Chloride as Cl	1500 mg/l
Chromium as Cr	5.0 mg/l
Copper as Cu	5.0 mg/l
Cyanide as HCN	1.0 mg/l

Fluoride as F	10 mg/l
Iron as Fe	50 mg/l
Lead as Pb	5.0 mg/l
Mercury as Hg	0.1 mg/l
Nickel as Ni	5.0 mg/l
Phenolic compounds	1.0 mg/l
Phosphorus as P	100 mg/l
Sulphate as SO ₄	1500 mg/l
Sulphide as S	2.0 mg/l
Tin as Sn	5.0 mg/l
Zinc as Zn	5.0 mg/l
Pesticides	0.0 mg/l
Herbicides	0.0 mg/l

5. SEWER RATES

- 5.1 The cost of financing, operating, and maintaining the sewer system shall be raised by a user service charge (as adopted by resolution of Council), for each User Unit as set out in the User Unit Table (Schedule B), and levied quarterly or as set forth by the Municipality and proportionately if the property owner is connected to the sewer system during the calendar year. Please refer to User Fee Policy A-06.
- 5.2 Omission to deliver any notice shall in no way affect the liability of any person to pay the user service charge, and if such charge remains unpaid for a one-month period it shall become a charge on the property owner's sewer account.
- 5.3 The amount due is payable by the property owner to the Municipality and shall be paid by the end of the next calendar month following the date that the bill is mailed to such property owner and shall be payable whether the bill is received by the property owner or not. If the account is not paid in full, the amount owing to the Municipality shall bear interest at a rate specified by the Municipality.
- 5.4 The Municipality shall mail invoices for sewage rates four times a year and such invoices shall show the amount of the account still unpaid with interest to the end of the month in which such invoice is mailed.
- 5.5 Once any account has two billing cycles outstanding, the Municipality may send those accounts to a collection agency for collection of the principal and interest owing.
- 5.6 After ten (10) days' notice in writing has been given to the property owner who is in arrears, which notice may be given by hand delivery or by registered mail, addressed to the property owner, postage prepaid, and without prejudice, the Municipality may:
 - (a) Sue in the name of the Municipality by an action for debts;

- (b) Proceed under the Garnishee Act;
- (c) Proceed in any court of competent jurisdiction to enforce the special lien or charge created by the Local Governance Act on land to or with respect to which sewage services are supplied;
- (d) Cut off the user service provided to such property owner and may discontinue such service until such time as the account including arrears and the entire cost of disconnecting and re-connecting the service has been paid in full by the property owner.

6. SERVICE CHARGES

- 6.1 All user charges or portion thereof remaining unpaid after the due date, shall be considered delinquent and subject to an interest charge of 1.53% per month (19.99% compounded annually).
- 6.2 All legal costs associated with collection or past due accounts shall be included with sewer charges and shall be payable in accordance with applicable section of this By-Law.

7. INDEMNITY

No Person shall have any cause of action against the Municipality, or its servants or agents for any claims for damages of whatsoever nature or kind, which may be caused at any time to any Person or property arising from the construction, maintenance, or operation of the sanitary sewer system, except damage caused by the deliberate act or misfeasance of the Municipality servants or agents.

8. ENFORCEMENT

Any person who contravenes any provision of this by-law is guilty of an offence and liable, on summary of conviction, to a fine of not less than one hundred dollars (\$100) and not more than five thousand dollars (\$5,000), and where applicable, to such further penalties as may be imposed by law.

9. GENERAL PROVISIONS

- 9.1 Except as hereinafter provided, no person shall construct or maintain within the area under the jurisdiction of the Municipality any privy, privy vault, septic tank, cesspool, or any other facility intended or used for the disposal of sewage.
- 9.2 The Municipality may grant upon such conditions as it deems necessary or advisable a permit for the installation and maintenance of a private sewer system or a central sewer system to any applicant whose property is, in the opinion of the Municipality, not so located as to be readily accessible to the public sewage system, provided the applicant has met all requirements of all applicable laws, governmental regulations and orders of the Province of New Brunswick.

- 9.3 Upon completion of the sanitary building sewer connection and approval thereof, the property owner formerly served by septic tank, cesspool, privy or private sewage disposal system on the property shall cause such septic tank, cesspool, privy or private sewage disposal system to be abandoned and filled with suitable material.

10. REPEAL

- 10.1 By-Law No. PW-1, A By-Law Respecting Sanitary Sewerage Systems By-Law shall repeal any By-Laws regarding Sanitary Sewerage Systems in the former municipalities and Local Service Districts.
- 10.2 The repeal of the above-mentioned by-laws shall not affect any penalty, forfeiture, or liability incurred before such repeal, nor any proceedings for enforcing the same, whether completed or pending at the time of repeal. Furthermore, such repeal shall not repeal, defeat, disturb, invalidate, or otherwise prejudicially affect any matter or thing whatsoever that was completed, existing, or pending at the time of repeal.

READ FIRST TIME: JULY 14, 2026

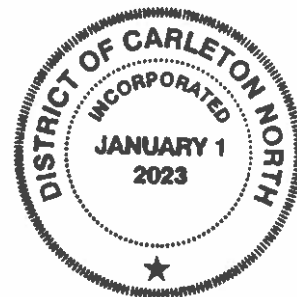
READ SECOND TIME: AUGUST 25, 2026

READ THIRD TIME AND ENACTED THIS 25TH DAY OF AUGUST, 2026

MAYOR



CLERK





19 Station Road, Florenceville-Bristol, NB E7L 3J8
T: 506.392.6763 F: 506.392.5211

SCHEDULE A: APPLICATION FOR BUILDING SEWER

Application to:

Uncover, make any connections with openings into, use, alter or disturb the public sewer under the jurisdiction of the District of Carleton North.

I, _____ of _____ hereby apply
to ___ connect / ___ disconnect / ___ repair a building sewer to the public sewer.

Location of lot (street name) _____

PID _____

Type of Building _____

Proposed Date of Required Hook Up _____

I am aware that with approval of this application by the District of Carleton North that I become responsible for all direct or indirect costs which may result from any work performed under the issued permit, and furthermore, if the installation procedures do not meet the approval of the District of Carleton North, the issued permit may be revoked without notice.

Signature of Applicant: _____ Date: _____

Approved by: _____ Date: _____



19 Station Road, Florenceville-Bristol, NB E7L 3J8
T: 506.392.6763 F: 506.392.5211

SCHEDULE B: USER UNIT TABLE

Single Residence	1 unit
Cottage, Guest Cottage or Cabin	1 unit
Mobile Home	1 unit
Apartments	1 unit per apartment in building
Boarding House	1 unit per every four boarders or fraction thereof
Schools / Child Care Facilities	1 unit per every 10 pupils and staff or fraction thereof
Senior Citizens Home	1 unit per every 5 beds or fraction thereof
Employees and Personnel in offices, retail stores, finances, banks, garages, supermarket, drugstore, warehouse, etc.	1 unit per every 10 employees or fraction thereof
Church	1 unit
Club or Tavern	2 units
Restaurant (non-licensed)	3 units
Restaurant (licensed)	4 units
Take-out	1 unit
Canteen	1 unit
Barber Shop or Beauty Salon	1 unit
Service Station	2 units

SCHEDULE B: USER UNIT TABLE (cont'd)

Car Wash	3 units
Auto Body Shop	1 unit
Laundromat	1 unit per every 2 washers or fraction thereof
Hotels, Motels, Bed & Breakfasts	1 unit per every 3 bedrooms or fraction thereof
RV/Camp Ground	1 unit per every 3 trailer sites or fraction thereof And/or 1 unit per every 6 tent sites or fraction thereof
Funeral Home	2 units
Recreation Centre	1 unit
Bakery	2 units
Civic Centre	4 units
Municipal Buildings	1 unit

**DISTRICT OF CARLETON NORTH
SEWER INSPECTOR'S REPORT
SCHEDULE C**

**LOCATION
OF SANITARY BUILDING SEWER
AND
DRAIN TILE OUTFALL**

Property Owner: _____

Date: _____ PID _____

Street & No.: _____

Inspector: _____

Sketch of Building, Street, Property, North Point and Location of Building Sewer:

I hereby certify the location of the Sanitary Building Sewer and drain tile outfall for this building as shown on the above sketch.

Signature of Applicant

Signature of Inspector

Name of Applicant: _____ Lateral Location: _____

Type of Connection at Main:

- a) To Manhole
- b) Cast Iron Saddle
- c) Plastic Saddle
- d) Plastic Tee

Type of Connection at Property Line:

- a) Flexible Coupling
- b) Other: _____

Type of Pipe: P.V.C. DR _____ Manufacturer _____

Size of Pipe: a) 100 mm Dia. b) 150 mm Dia. c) Other _____

Installation

- a) 150 mm under pipe: (i) Gravel (ii) Sand (iii) Other: _____
- b) Around and 300 mm over pipe: (i) Gravel (ii) Sand (iii) Other: _____
- c) Backfill: (i) Gravel (ii) Original Material
- d) Rock Blasting: ___ Yes ___ No
- e) Pavement or Sidewalk Repairs Required: ___ Yes ___ No
- f) Grade Per 10 M of building sewer: _____
- g) Compaction of Bedding: ___ Yes ___ No
- h) Installation of backwater valve ___ Yes ___ No

___ Check to see that no drain tile or roof drains are connected into sewer.

Length of building sewer: _____

Distance to Downstream Manhole: _____

Date Installed: _____

Signed by Inspector: _____ Date: _____

Upon approval by the Inspector, a copy shall be submitted to the Treasurer.

**DISTRICT OF CARLETON NORTH
GUIDELINES FOR INSTALLATION OF A BUILDING SEWER
SCHEDULE D**

1. Materials

Unless otherwise approved by the Municipality, materials to be used in the installation of a building sewer shall meet the following specifications.

1.1 Polyvinyl Chloride 1120 Pipe and Fittings

ASTM D-1784 and ASTM D-3034 with a DR of 35. The bell will be an integral and homogeneous part of the pipe barrel. The pipe shall be marked to show the manufacturer and class.

1.2 Rubber Gasket Joints

Shall be a water tight joint, with the gasket recommended by the manufacturer unless otherwise indicated.

1.3 Flexible Couplings

Shall be as manufactured by Fernco Joint Sealer Co. or approved equal.

1.4 Tees and Fittings

To be constructed in plant, using materials of a quality specified for the main lines and appurtenances.

1.5 Saddles

a) All saddles on concrete pipe shall be Crowle, Daigle or approved equal complete with gasket and stainless-steel bands.

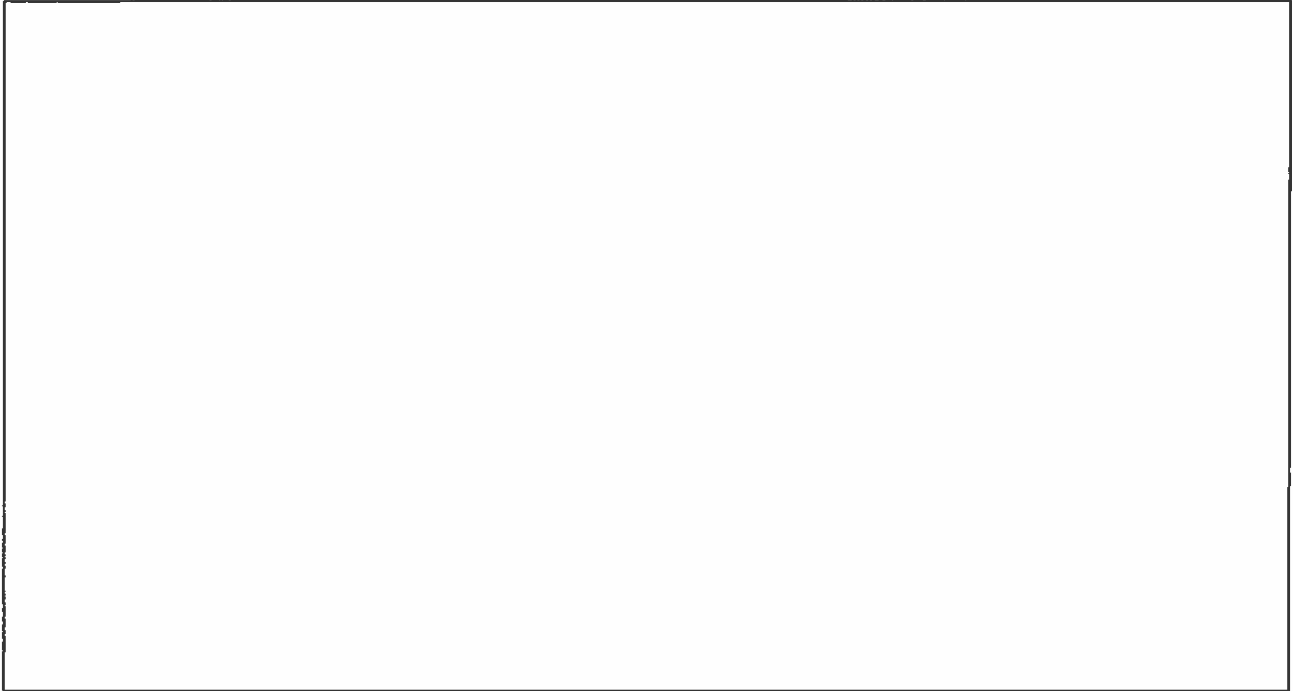
b) All saddles on polyvinyl chloride pipe shall be of an approved type complete with gasket and stainless-steel bands.

2. CONSTRUCTION METHODS

All pipe and appurtenances shall be installed in strict accordance with the manufacturer's instructions and in accordance with this guideline.

The pipe trench shall be excavated and backfilled as indicated in Figure 1 (see next page).

Figure 1



Under roadways, driveways and when directed, bedding and backfill shall be made with approved granular material compacted as directed.

Connection to the sewer main shall be made with an approved saddle, tee or manhole. All pipe shall be laid with the bell end upgrade and the bell and spigot shall be free of dirt before jointing. The minimum grade for a building sewer shall be one percent (1%).

The connection between the building sewer and building drain shall be made using an approved flexible coupling.

If the building sewer is not connected to the building drain at the time it is installed, the end of the installed building sewer shall be plugged with a watertight cap or plug. The plugged end shall be marked by a 50mm x 100mm timber extending from the plugged end of the building sewer to a minimum of 600mm above the ground surface.