



District of West Vancouver

## **Sewerage and Drainage Regulation Bylaw No. 5263, 2023**

Effective Date: October 30, 2023

### **Consolidated for Convenience Only**

This is a consolidation of the bylaws below. The amendment bylaws have been combined with the original bylaw for convenience only. This consolidation is not a legal document. Certified copies of the original bylaws should be consulted for all interpretations and applications of the bylaw on this subject.

**Amendment Bylaw**  
Bylaw No. 5284, 2023

**Effective Date**  
January 1, 2024

The bylaw numbers in the margin of this consolidation refer to the bylaws that amended the parent bylaw (Sewerage and Drainage Regulation Bylaw No. 5263, 2023). The number of any amending bylaw that has been repealed is not referred to in this consolidation.

# Sewerage and Drainage Regulation Bylaw No. 5263, 2023

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District of West Vancouver

# **Sewerage and Drainage Regulation Bylaw No. 5263, 2023**

A bylaw to establish a municipal sewerage system, a municipal drainage system and make provision for the usage of these municipal systems.

Previous amendments: *Amendment Bylaw 5284.*

WHEREAS the Council of The Corporation of the District of West Vancouver deems it expedient to provide for the regulation and protection of the public sewerage and drainage systems;

NOW THEREFORE, the Council of The Corporation of the District of West Vancouver enacts as follows:

## **Part 1 Citation**

- 1.1. This bylaw may be cited as Sewerage and Drainage Regulation Bylaw No. 5263, 2023.

## **Part 2 Severability**

- 2.1. If a portion of this bylaw is held invalid by a Court of competent jurisdiction, then the invalid portion must be severed, and the remainder of this bylaw is deemed to have been adopted without the severed section, subsection, paragraph, subparagraph, clause, or phrase.

## Part 3 Repeal

- 3.1. Sewer and Drainage Utility Fee Bylaw No. 4538, 2007 (adopted on January 14, 2008) and the following amendment bylaws are hereby repealed:

<b>Amendment Bylaw</b>	<b>Effective Date</b>
Bylaw No. 5190, 2022	January 1, 2023
Bylaw No. 5152, 2021	January 1, 2022
Bylaw No. 5094, 2020	January 1, 2021
Bylaw No. 5038, 2019	January 1, 2020
Bylaw No. 4998, 2018	January 1, 2019
Bylaw No. 4956, 2017	January 1, 2018
Bylaw No. 4924, 2016	December 12, 2016
Bylaw No. 4860, 2015	December 14, 2015
Bylaw No. 4822, 2015	March 2, 2015
Bylaw No. 4820, 2014	December 15, 2014
Bylaw No. 4773, 2013	December 2, 2013
Bylaw No. 4742, 2012	December 3, 2012
Bylaw No. 4705, 2011	December 14, 2011
Bylaw No. 4665, 2010	December 6, 2010
Bylaw No. 4623, 2009	December 18, 2009
Bylaw No. 4588, 2008	December 15, 2008
Bylaw No. 4585, 2008	October 27, 2008

## Part 4 Definitions

- 4.1. In the construction and for the purposes of this bylaw the following words shall have the meanings assigned to them:

**“Air”** means the atmosphere but, except in a *Sewer* or a *Sewage Facility* or as the context may otherwise require, does not include the atmosphere inside a human-made enclosure that is not open to the weather;

**“Air Pollution”** means the presence of Air Contaminants or substances that substantially alter or impair the usefulness of the Air;

**“Air Contaminant”** means an “air contaminant” as defined in the Environmental Management Act;

**“Combined Sewerage”** means a mix of *Domestic Sewerage & Drainage*;

**“Council”** means the Council of The Corporation of the District of West Vancouver;

**“Director of Finance”** means the Director of Financial Services, or their designated representative.

**“District”** means the District of West Vancouver;

**“Domestic Sewerage”** means:

- (a) human excreta, and
- (b) waterborne *Waste* from the preparation and consumption of food and drink, dishwashing, bathing, showering, and general household cleaning and laundry;

**"Drainage"** means runoff or water otherwise resulting from rainfall, snowfall, and snowmelt;

**“Drainage Service Connection”** means the pipe extending from the property line to the *Municipal Drainage System*;

**“Engineer”** means the Director of Engineering & Transportation Services of the District and shall include his or her duly appointed assistants or representatives;

**“Environmentally Sensitive Area”** means a site or area that already has, or with remedial action could achieve, desirable environmental attributes contributing to the retention and/or creation of wildlife habitat, soil stability, water retention or recharge, vegetative cover, and similar vital ecological functions.

**"Fixture"** means a sink, shower, tub, toilet, receptacle, appliance, apparatus, or other device that discharges *Sewerage*, *Drainage* or clear-water *Waste* and includes *Floor Drains* and *Drainage* catch basins;

**"Floor Drain"** means a *Fixture* used to receive water from the floor of a building;

**“Force Main”** means sewerage infrastructure in which sewage is moved by pressure;

**"Garbage"** means solid *Waste* other than feces;

**“Grab Sample”** means a sample collected at one particular time and place;

**"Grease"** means an organic substance recoverable by procedures set forth in *Standard Methods* and includes but is not limited to hydrocarbons, esters, fats, oils, waxes, and high molecular carboxylic acids;

**“GVS&DD”** means the Greater Vancouver Sewerage and Drainage District;

**“Hazardous Waste Regulation”** means the Hazardous Waste Regulation as amended from time to time pursuant to the Environmental Management Act;

**“High Potential Contaminant Release Area”** means an area where activities occur that have a high potential to release *Prohibited Waste* or *Restricted Waste* and includes:

- (a) the loading dock of a building and the area within one metre of the loading dock;
- (b) the area within two metres of any device used to compact refuse;
- (c) auto wrecker storage yards;
- (d) the area where commercial vehicles or equipment are washed and the surrounding two metres in each direction;
- (e) the area where the bulk transfer of materials takes place and the surrounding two metres in each direction; and
- (f) any other area designated by the *Engineer*.

**“Building Inspector”** means the Building Inspector, Plumbing Inspector, Electrical Inspector, Manager of Permits and Inspections, Supervisor of Inspections, Bylaw Officer, or other persons designated by Council to act in place of the Building Inspector;

**“Interceptor”** means a plumbing device designed to intercept most oil, *Grease* and grit before they enter the *Municipal Works*;

**“Low Pressure System”** means a private sanitary sewerage system consisting of on-site, privately-owned, operated and maintained sewage pumps, and service pipes located on site and within District rights of way that connect to a District-owned, operated and maintained low pressure sewage Force Main.

**“Municipal Drainage System”** means the system operated and maintained by the District for the purpose of transporting, disposing, treating, using, or discharging *Drainage*, and includes the *Municipal Drainage Works*;

**“Municipal Drainage Works”** means the mains, storm sewers, *Service Connections*, ditches, culverts and *Drainage* pump stations and other works used for the *Municipal Drainage System*;

**“Municipal Sewerage System”** means the system operated and maintained by the District for the purpose of transporting *Sewerage* to a treatment facility, and includes the *Municipal Sewerage Works*;

**“Municipal Sewerage Works”** means the mains, sewers, *Service Connections* and other works used for the *Municipal Sewerage System*;

**“Municipal Works”** means the *Municipal Sewerage Works* and the *Municipal Drainage Works*;

**“Municipal System”** means the *Municipal Drainage System*, the *Municipal Sewerage System* or both;

**“Non-Domestic Waste”** means all *Sewerage* except *Domestic Sewerage*, *Drainage*, and *Septic Tank Waste*;

**“Occupancy”** means the use or intended use of a building or part of it for the shelter or support of persons, animals or property;

**“Owner”** means owner as defined in the *Community Charter*;

**“Plumbing System”** means an assembly of pipes, fittings, *Fixtures*, *Traps* and appurtenances that is used to convey *Sewerage*, clear-water *Waste* or *Drainage* from a building or property to the *Municipal Sewerage System* or the *Municipal Drainage System*;

**“Private Sewerage Works”** means the pipe and other works for the disposal of *Sewerage* extending from the building or structure on the property to the *Sewerage Service Connection*;

**“Private Drainage Works”** means the pipe and other works for the disposal of *Drainage* extending from the building or structure on the property to the *Drainage Service Connection*;

**“Private Works”** means the *Private Sewerage Works* and *Private Drainage Works*;

**“Professional Engineer”** means a person who is registered or licensed to practice as a Professional Engineer under the Professional Governance Act;

**“Prohibited Waste”** is listed in Schedule D.

**“Restricted Waste”** is listed in Schedule E.

**“Sanitary Waste”** means sewerage that contains human feces, urine,

blood, or body fluids originating from sanitary conveniences or other sources;

**“Septic Tank Waste”** means any Waste extracted from a cesspool, septic tank, sewage holding tank, seepage pit, *Interceptor* or other containment for human excretion and Waste;

**"Service Connection"** means either a *Sewerage Service Connection* or a *Drainage Service Connection*;

**“Sewer”** means all pipes, conduits, drains, and other equipment and facilities, owned or otherwise under the control or jurisdiction of the District or the GVS&DD, for collecting, pumping, and transporting Sewerage either to a Sewage Facility or otherwise and includes but is not limited to all such pipes, conduits, drains and other equipment and facilities which connect with those of the District and the GVS&DD;

**“Sewage Facility”** means works owned by the District or the GVS&DD or otherwise under the control or jurisdiction of the District or the GVS&DD that gathers, treats, transports, stores, utilizes, or discharges Sewerage;

**"Sewage Pump Unit"** means private sewage works located on private property and includes a hydraulic device capable of moving or lifting sewage from one location to another and a pump used to grind *Domestic Sewerage* into a fine slurry and pump it into the *Municipal Sewerage System* and may be distinguished from a *Low Pressure System* which always discharges into a low pressure *Force Main*;

**“Sewerage”** means *Domestic Sewerage*, *Combined Sewerage* and *Waste* from Commercial, Industrial, Institutional, and other sources;

**“Sewerage Service Connection”** means:

- (a) where an inspection chamber is installed near the property line, the pipe extending from the inspection chamber to the *Municipal Sewerage System*; and
- (b) where no inspection chamber is installed, the pipe extending from the property line to the *Municipal Sewerage System*;

**"Standard Methods"** means in accordance with the latest edition as amended from time to time of “Standard Methods for the Examination of Water and Wastewater”, jointly prepared and published by the American Public Health Association, American Water Works Association and the Water Environment Federation or any successor thereto;

**"Suspended Solids"** means insoluble matter which either floats on the surface or is suspended in *Sewerage* and that is separable by the appropriate procedure described in *Standard Methods*;



**"Trap"** means a fitting or device that is designed to hold a liquid seal that will prevent the passage of gas but will not materially affect the flow of a liquid;

**"Trucked Waste"** is waste that due to the level of contamination or health/environmental risk it poses, cannot legally be disposed of down the *Municipal Sewerage Works*;

**"Waste"** means any substance, whether gaseous, liquid or solid, that is discharged or discarded, directly or indirectly, to a *Sewer or Sewage Facility*;

**"Watercourse"** means a stream, creek, ditch or other natural or man-made surface feature in which *Drainage* flows and which is part of the *Municipal Drainage System*.

## Part 5 Interpretation

### 5.1. Interpretation

- 5.1.1. In this bylaw words importing the male gender include the female gender and vice-versa and words importing singular number include the plural number and vice versa.

## Part 6 Scope of the Municipal System

### 6.1. Confirmation of Municipal Services

- 6.1.1. Council hereby confirms the establishment of the municipal services of *Sewerage* disposal and *Drainage* discharge.

### 6.2. Role of the Engineer

- 6.2.1. The *Engineer* is authorized to control, supervise, and administer the *Municipal System*.

### 6.3. Application

- 6.3.1. The regulations and prohibitions in this bylaw do not apply to District employees or contractors acting under the direction of or with the permission of the *Engineer*, or to members of the Fire Department acting in the course of their powers and duties.

6.4. No Obligation to Provide Service if Insufficient Capacity

- 6.4.1. Nothing in this bylaw shall obligate the District to provide services to any property or person when, in the opinion of the Engineer, the capacity of the *Municipal System* is insufficient to provide the service.

6.5. No Guarantee of Service – District Alterations – No Liability

- 6.5.1. The District does not guarantee service. The District reserves the right at any and all times, without notice, to change operating conditions of the *Municipal Sewerage System* and/or the *Municipal Drainage System*, for the purposes of making repairs, extensions, alterations, or improvements, or for any other reason. Neither the District, its officers, employees nor agents shall incur any liability of any kind whatsoever by reason of the cessation in whole or in part of the *Municipal Sewerage System* and/or the *Municipal Drainage System* or changes in operating conditions.

6.6. Owners to Provide Their Own Back-Up Facilities

- 6.6.1. *Owners* or other persons depending on continuous and uninterrupted disposal of *Sewerage* and/or *Drainage* shall provide on the property and at their cost, such necessary equipment, and facilities suitable to their requirement.

6.7. Construction of Private Works

- 6.7.1. Every *Owner* of property who constructs *Private Sewerage Works* or *Private Drainage Works* shall ensure that they are constructed to receive all *Sewerage* and all *Drainage*, respectively, emanating from all buildings and structures on the property.
- 6.7.2. Every *Owner* or property shall construct *Private Works* in strict compliance with all applicable bylaws, laws, regulations, codes, and orders, including this bylaw.
- 6.7.3. No *Drainage* from any building or structure shall be connected to the *Municipal Sewerage System*.
- 6.7.4. No *Sewerage* from any building or structure shall be connected to the *Municipal Drainage System*.
- 6.7.5. No *Drainage* from any building or structure shall be discharged:

- (a) to a location where the *Drainage* has the potential to adversely impact:
  - (i) the stability of a slope, or
  - (ii) a ravine;
- (b) to a location or in such a manner that causes or has the potential to cause nuisance, hazard or damage;
- (c) directly onto adjacent property.

6.7.6. Every *Owner* is responsible for all costs to correct discharges in contravention of this bylaw originating from the *Owner's* property. Every *Owner* shall correct any improper discharge identified by the District within the longer of (1) 30 days from the date of being notified in writing by the District and (2) such longer period specified in the notice.

6.7.7. Where a property is to be redeveloped, subdivided, or requires new sewer services and

- (a) the property is currently serviced by gravity to the *Municipal Sewerage System* located in an *Environmentally Sensitive Area*, the foreshore or within an easement, or
- (b) future access may be cost prohibitive or inaccessible to maintenance vehicles,

and where alternate servicing is available, the Engineer may discontinue the existing gravity *Service Connection*. Alternate servicing resulting in the need for a new gravity or pumped *Service Connection* shall be installed and maintained to property line at the *Owner's* expense.

## 6.8. Standard of Private Maintenance

6.8.1. Every *Owner* shall maintain the *Private Sewerage Works* and *Private Drainage Works* on the *Owner's* property in proper working condition and in such way that there is no leakage of *Sewerage* or *Drainage* and no infiltration of any groundwater into the *Private Works*.

## 6.9. Mandatory Use of Municipal System

6.9.1. Every *Owner* shall ensure that:

- (a) all *Sewerage* originating from any building located on such *Owner's* property is connected to and discharged into the *Municipal Sewerage System*, when such a system is available to the property;
- (b) all *Drainage* originating from such *Owner's* property is contained entirely on that property and connected to and discharged into the *Municipal Drainage System*, or where unavailable to an approved storm water disposal location.

#### 6.10. Holding Tanks

- 6.10.1. Holding tanks for sewerage are not permitted on any property within the District that has been designated as within the Urban Containment Area established under Metro Vancouver's Regional Growth Strategy Bylaw No. 1136, 2010, and the District will not permit a Service Connection to a property that contains a holding tank and Owners must remove and dispose all such holding tanks.

## Part 7 Service connections

### 7.1. Authorization Required for Connection of Private Works to the Municipal System

- 7.1.1. No person shall connect any *Private Sewerage Works* or *Private Drainage Works* with any *Sewerage Service Connection* or *Drainage Service Connection* without first obtaining authorization to do so from the *Engineer* and paying the applicable fees set out in the *Schedule C*.

### 7.2. Authorized Agents

- 7.2.1. The *Owner* may, in writing, consent to an application for a *Service Connection* being made on the *Owner's* behalf by the *Owner's* authorized agent, and in that case all directions, orders and other communications made by the *Engineer* to the authorized agent are deemed to have been made to the *Owner*.

### 7.3. Authorization of Service Connection

- 7.3.1. Upon an *Owner* satisfying all the conditions of this bylaw, the *Engineer* will authorize the connection of a *Service Connection* to *Private Sewerage Works* or *Private Drainage Works*, as the case may be.

### 7.4. Requirement for New Connections

7.4.1. When a building permit is issued for:

- (a) a new building, or
- (b) alteration of an existing building with an estimated construction value greater than \$250,000

the requirements of section 7.4.2 shall apply.

7.4.2. Where section 7.4.1 applies:

- (a) if there is no *Service Connection* or the *Service Connection* is 40 years or older, a new *Sewerage Service Connection*, a new *Drainage Service Connection*, or both, as applicable, including an inspection chamber at the property line, shall be installed, or
- (b) if the *Service Connection* is less than 40 years old and is accompanied by an inspection chamber, the District shall perform a video inspection of the *Service Connection*, at the *Owner's* cost, for review by the District and:
  - (i) where, in the opinion of *the Engineer*, there is excessive damage to the *Service Connection* the *Service Connection* shall be replaced; and if the *Service Connection* is replaced, it must be replaced by a new *Sewerage Service Connection*, or a new *Drainage Service Connection*, as applicable; or
  - (ii) where the existing *Service Connection* material type is no-corrode, asbestos, cement, or clay of any age or condition it must be replaced with a new *Sewerage Service Connection*, or a new *Drainage Service Connection*, as applicable,
- (c) If the *Service Connection* is less than 40 years old and is not accompanied by an inspection chamber, a new *Sewerage Service Connection*, including an inspection chamber at the property line, or a new *Drainage Service Connection*, including an inspection chamber as applicable, shall be installed.

7.4.3. All work required to be completed under section 7.4.2 shall be completed by the District and the *Owner* shall pay the applicable fee set out in the *Schedule C* which includes the cost of materials, staff time, overhead, and administration fees.

7.5. Separate Service Connection Required for Each Property

- 7.5.1. Subject to section 7.5.2, no person shall connect more than one parcel of land to any *Service Connection*.
- 7.5.2. The requirement of section 7.5.1 shall not apply to strata lots, air space parcels and the remainder parcels from which they are subdivided if all such parcels are or will be developed with a *Plumbing System* which is the subject of registered reciprocal easements, satisfactory to the *Engineer*, by which all *Owners* have access to all parts of the *Plumbing System* for inspection, maintenance, repair, and replacement.
- 7.6. Location of Service Connection
- 7.6.1. Every *Owner* shall construct *Private Sewerage Works* and *Private Drainage Works* in a location approved by the *Engineer*.
- 7.6.2. When an *Owner* applies for a permit to connect any *Private Sewerage Works* or *Private Drainage Works* with the *Municipal System*, the *Owner* must provide an engineering topographical survey plan of the property,
- (a) to which main *Sewer* the *Private Works* shall be connected;
  - (b) the location and depth of the *Private Works*; and
  - (c) the lowest elevation that a plumbing *Fixture* can be installed such that the flood level rim of the plumbing *Fixture* (the top edge at which water can overflow) is not below the restricted elevation unless the plumbing *Fixture* is pumped.
- 7.7. Discontinuance of Service Connection
- 7.7.1. Where possible, in order to meet the requirements of any *Owner* applying for connection to the *Municipal System*, it is necessary for the *Engineer* to discontinue an existing *Service Connection*, the *Owner* shall pay to the District the fee set out in the Schedule C which shall equal the District's actual cost of capping off the existing connection and replacing it, based on the cost of materials, staff time, overhead and administration fee.
- 7.8. Municipal Sewer on Private Property

- 7.8.1. Where any part of the *Municipal System* is located in or on privately-owned property, or in respect of which the District holds an easement, right of way, or statutory right of way on privately-owned property, no person shall connect to or disturb any part of the *Municipal System* except by permission and under the direction of the *Engineer*.
- 7.8.2. All *Private Sewerage Works* and *Private Drainage Works* serving more than one property shall be contained within a right-of-way or easement registered on title of the property on which such works are located. *Owners* are responsible for all costs to register any right-of-way or easement through private property.

## 7.9. Low Pressure Systems

- 7.9.1. Where the *Sewerage* generated on a property cannot be drained to the *Municipal System* by gravity, and in the event that the *Municipal Sewerage System* on the street is operating or, in the opinion of the *Engineer*, may need in the future to operate under hydraulic head as a low pressure system, the *Owner* of the property may be granted a *Service Connection* only if:
- (a) the *Owner* installs on the *Owner's* property a *Low Pressure System*, designed by a *Professional Engineer* and installed in accordance with the engineered design, to pump the *Sewerage* to the *Municipal System*; and
  - (b) the *Owner* registers against the title to the *Owner's* land in favour of the District, in priority to all financial charges, a Land Title Act, section 219 covenant, in a form acceptable to the District, promising:
    - (i) to operate, repair, maintain, replace, and otherwise be fully responsible for the *Low Pressure System*, including the pump units, controls, all auxiliary components, and all parts located within District rights of way;
    - (ii) not to change the pumping characteristics of the pumping system unless otherwise approved by the *Engineer*, and

- (iii) when necessary, to replace the pumps, force main and controls, including by installing a balancing tank to meet changing operating conditions of the *Low Pressure System*, which replacement work must be designed by a *Professional Engineer* and the *Owner* must submit the record of replacement to the District.

## 7.10. On-Site Drainage Facility Requirements

7.10.1. Where an on-site *Drainage* management facility has been installed the *Owner* must ensure that the facility is:

- (a) accessible;
- (b) maintained in good condition; and
- (c) functioning as designed.

## 7.11. High Potential Contaminant Release Areas

7.11.1. Every *Owner* of land containing a *High Potential Contaminant Release Area* shall ensure:

- (a) that run-off from the area surrounding the *High Potential Contaminant Release Area* does not enter the *High Potential Contaminant Release Area*; and
- (b) that the *High Potential Contaminant Release Area* drains into a separate drain from the surrounding area that either:
  - (i) drains into a stormwater pre-treatment device prior to draining into the *Municipal Drainage System*; or
  - (ii) drains into the *Municipal Sewerage System*, but only if:
    - the *High Potential Contaminant Release Area* is covered;
    - the *High Potential Contaminant Release Area* is less than the greater of 8 square metres per loading dock or 250 square metres in total area; or
    - approval has been given by the District.



## 7.12. Dental Amalgam

- 7.12.1. Every *Owner* of land on which a dental facility is located shall install a dental amalgam separator on all fixtures that may release dental amalgam *Waste* into the *Municipal Sewerage System*.
- 7.12.2. All separators required by this section shall be installed and maintained to the satisfaction of the *Engineer*.
- 7.12.3. This section does not apply to dental facilities:
  - (a) practicing exclusively Orthodontics and Dentofacial Orthopedics, Oral and Maxillofacial Surgery, Oral Medicine and Pathology, Oral and Maxillofacial Radiology, or Periodontics; and
  - (b) exempted, in writing, by the *Engineer*.

## Part 8 Oil, Grease and Grit Interceptors And Sewage Pump Units

### 8.1. GVS&DD Oil and Grease Interceptor Regulations

- 8.1.1. Every person shall comply with all bylaws of the Greater Vancouver Sewerage and Drainage District with respect to oil and Grease Interceptors, including but not limited to the Greater Vancouver Sewerage and Drainage District Food Sector Grease Interceptor Bylaw No. 268, 2012.

### 8.2. Sewage Pump Units

- 8.2.1. No *Owner* shall install a *Sewage Pump Unit* unless the design has been reviewed and approved by the District.
- 8.2.2. For all properties with *Sewage Pump Units*;
  - (a) The property *Owner* is responsible for the maintenance and repair of the *Sewage Pump Unit* and controls, and the associated infrastructure such as the electrical supply, containment tank, forcemain piping, check valve, gate valve, and alarm.

## Part 9 Blockages

### 9.1. Removal of Blockages from Private Works

- 9.1.1. The *Owner* shall be solely responsible, at the *Owner's* sole cost, to remove any blockages in *Private Works* which are attributable to the discharge of *Sewerage* and/or *Drainage* from the *Owner's* property.

9.2. Failure of Private Works

- 9.2.1. The *Owner* is responsible for all failures in the *Private Sewerage Works* or *Private Drainage Works* on the *Owner's* property.

9.3. Owner to Do First Investigation

- 9.3.1. If *Private Works* become stopped or otherwise fail to function, the *Owner* must:
- (a) first arrange for a plumber to rectify the stopped service; and
  - (b) notify the *Engineer* only where it has been determined that the blockage is located in *Municipal Sewerage Works*.

9.4. Blockages in Low Pressure Systems

- 9.4.1. Where any *Municipal Works*, *Service Connection*, *Private Sewerage Works* or *Private Drainage Works* are part of a *Low Pressure System*:
- (a) if the *Low Pressure System* contains a curb stop, the *District* shall be responsible, at the *District's* sole cost, for removing a blockage located between the *Force Main* and the curb stop;
  - (b) if the *Low Pressure System* does not contain a curb stop, the *District* shall be responsible, at the *District's* sole cost, for removing a blockage located at any point in the *Low Pressure System* located on *District* property; and
  - (c) if the blockage is located in any other part of the *Low Pressure System*, the *Owner* shall be responsible, at the *Owner's* sole cost, for removing the blockage.

## Part 10 Standards for Sewerage Discharges

10.1. Septic Tank Waste

- 10.1.1. No person may discharge or permit the discharge of *Septic Tank Waste* into the *Municipal System*.

## 10.2. Non-Domestic Waste

- 10.2.1. No person shall discharge or allow or cause to be discharged into the *Municipal System* any *Non-Domestic Waste* unless:
- (a) that person has a current valid Waste Discharge Permit in writing from the Greater Vancouver Sewerage and Drainage District; and
  - (b) *Restricted Waste* is discharged strictly in accordance with the terms and conditions of the permit.

## 10.3. Trucked Waste

- 10.3.1. No person shall dispose or allow or cause to be disposed into the *Municipal System* any *Trucked Waste* unless:
- (a) that person has a current valid permit in writing from the Greater Vancouver Sewerage and Drainage District; and
  - (b) the *Trucked Waste* is disposed at a designated Greater Vancouver Sewerage and Drainage District disposal facility.

## 10.4. Prohibited Discharge

- 10.4.1. No person may discharge or allow or cause to be discharged into the *Municipal Sewerage System* any:
- (a) *Prohibited Waste* as listed in Schedule "D";
  - (b) water or any other substance for the purpose of diluting any *Non-Domestic Waste* in order to have it meet the standards of this bylaw;
  - (c) any *Sewerage* with particles larger than 0.5 cm in any dimension;
  - (d) any *Sewerage* having a *Suspended Solids* content of more than 600 milligrams per litre;
  - (e) any *Garbage*; or

- (f) any water or *Waste* which contains *Grease*, whether or not emulsified, at a concentration in excess of 150 milligrams per litre or which contains more than 15 milligrams per litre of substances derived from petroleum sources.

10.5. Restricted Discharge

- 10.5.1. No person may discharge or allow or cause to be discharged into the *Municipal Sewerage System* any *Restricted Waste* as listed in Schedule E.

## Part 11 Standards for Drainage Discharges

### 11.1. Prohibited Discharge

- 11.1.1. No person may discharge or allow or cause to be discharged into any *Drainage* system, ditch, creek, stream, *Watercourse*, lake, bay, river, or ocean any:
- (a) *Prohibited Waste* as listed in Schedule D;
  - (b) prohibited or hazardous waste as defined in the Environmental Management Act;
  - (c) a fluid containing total suspended solids of 25 milligrams or more per litre above background total suspended solids of the receiving environment during the months of May to September, or 75 milligrams or more per litre above background total suspended solids of the receiving environment during the months of October to April;
  - (d) anything in a concentration or quantity which may be or may become a health or safety hazard to personnel operating or maintaining the *Drainage* system or which may cause damage or interfere with the proper operation or capacity of the *Drainage* system, or which may injure or is capable of injuring any property, or health of any person or any life form; and
  - (e) anything which contravenes the Fisheries Act of Canada.

### 11.2. Restricted Discharge

- 11.2.1. No person, unless prior authorization in writing from the *Engineer* has been granted, shall discharge, or allow or cause to be discharged into the *Municipal Drainage System* any:
- (a) *Restricted Waste* as listed in Schedule E;
  - (b) processed water from groundwater remediation;
  - (c) cooling waste water or which has had additives harmful to the receiving environment;
  - (d) industrial cooling water which may be polluted with insoluble oils, *Grease*, or insoluble *Suspended Solids*; or
  - (e) swimming pool and/or hot-tub water.

## Part 12 Accidental Discharge/ Spill Reporting

### 12.1. Notification of Accidents

12.1.1. *Owners* and all other persons shall notify the District immediately of any accidental discharges or any other discharges or highway spills of the types of *Waste* that are restricted or prohibited under this bylaw.

### 12.2. Owner Action

12.2.1. In the case of an incident under section 12.1.1., the *Owner* of the property must take immediate action to provide appropriate countermeasures to stop the discharge and contain the spill.

### 12.3. Follow-up Information to District

12.3.1. Within five (5) calendar days of providing the notification required by section 12.1.1., the:

- (a) *Owner*, or
- (b) person responsible for the spill or discharge

shall provide a detailed written statement to the *Engineer* providing the location, time and date of occurrence, setting out the cause of the spill or discharge, identifying the type of chemical or substance that was spilled or discharged, the volume of the spill or discharge, the countermeasures taken to control the spill or discharge and address any damage the spill or discharge may have caused and detailing the measures being taken to prevent its future occurrence.

### 12.4. Liability

12.4.1. The notifications under sections 12.1.1, and 12.3.1. will not relieve the *Owner* or other responsible person of liability for any consequential expense, loss, or damage to the *Municipal System* or for any fines and/or penalties imposed by the District or other level of government.

## Part 13 Construction Works

### 13.1. Use of Municipal System for Temporary Drainage

- 13.1.1. Requirements for temporary drainage during construction work shall be in accordance with the *Watercourse Protection Bylaw 4364, 2005* including any amendments to that bylaw.

## Part 14 Inspections

- 14.1. The *Inspector* is hereby authorized to enter onto and into any property or building to ascertain whether there is compliance with this bylaw. Except in cases of emergency, the *Inspector* shall advise the *Owner* or occupier before entering the property and enter at a reasonable time and in a reasonable manner.
- 14.2. No Hindrance of Inspection
- 14.2.1. No person shall hinder or prevent the *Inspector* from entering and making reasonable inspection of any property or building.
- 14.3. No Obstructions to Inspection
- 14.3.1. No person shall place or permit an obstruction, including fencing, *Garbage*, landscaping, other materials, or things which hinders or prevents the inspection of any property, building or on-site works, including any maintenance hole, ditch, *Watercourse*, inspection chamber, or other *Fixture*.
- 14.4. Removal of Obstructions
- 14.4.1. The *Engineer* may order the *Owner* to remove an obstruction at the expense of the *Owner*.
- 14.5. Monitoring
- 14.5.1. The *Engineer* may require that an *Owner* of property from which any material or substance prohibited or restricted by this bylaw is being discharged into the *Municipal System* to undertake, at that person's expense:
- (a) the installation of a control maintenance manhole;
  - (b) the measurement, sampling and analysis of the material or substance discharged and provide the data to the District.
- 14.6. Standard Methods

- 14.6.1. All measuring, sampling and analysis required by the *Engineer* must be carried out in accordance with methods and procedures specified in *Standard Methods*, unless otherwise authorized by the *Engineer*.

#### 14.7. Sample Analysis

- 14.7.1. Samples which have been collected must be analyzed by a qualified, independent agency, unless other prior arrangements have been authorized in writing by the *Engineer*.

#### 14.8. Access Point

- 14.8.1. For the purposes of the provision of control maintenance manhole to comply with section 14.5.1., the *Engineer* may accept the point of discharge into the *Municipal System* as an alternative for the purposes of measuring, observing, or sampling the prohibited material or substance.

## **Part 15 Fees for use of Municipal System**

### 15.1. Connection Fees

Any person making an application for the laying of any service pipe other than the standard connections described in the Schedule C shall, at the time of such application, deposit at the Engineer's office a security amount prior to commencement of the works. For clarity, if a property is serviced by an undersized main, the applicant will be responsible for the necessary costs to upgrade the main.

- 15.1.1 The security amount shall be 150% of the estimated cost of providing such service.
- 15.1.2 The estimated cost shall be the estimated installation cost plus 20% for administration and overhead.
- 15.1.3 Upon receipt of such security amount the Engineer shall, if in their opinion such connection is necessary, and if the application is complete and satisfies all conditions of this bylaw, as soon as is convenient thereafter provide such Water Service.
- 15.1.4 If the installation cost of the work plus 20% administration is less than the security amount, the Engineer shall refund to the



applicant the difference between such amount and the security amount.

- 15.1.5 If the installation cost of the work plus 20% overhead is greater than the security amount, the applicant shall pay to the District, within 30 days, the difference between such amount and the security amount.
- 15.1.6 Payment of any monies due to the District shall be made before the works are connected to the Municipal System.
- 15.1.7 If the security is provided in the form of cash, the District shall have no obligation to place the security in an interest-bearing account.

## 15.2. Sewer Utility Fees

Each *Owner* who receives service from the *Municipal System* shall pay the applicable fee set out in the Schedule A and Schedule B.

Fees are due and payable quarterly on the last day of May, August, November, and February. Fees shall be payable until all buildings and structures on the property are demolished and the service is disconnected. Where a new meter has been installed during any quarter (which begin on the first day of January, April, July, and October) the metered sewer utility fee for that partial quarter is due at the end of that quarter. The metered sewer utility fee for single family residential properties shall be based on the average winter water consumption for properties of a similar type and usage.

- 15.2.1. Quarterly fees due and payable under the *Schedule A* and *Schedule B* shall be subject to a discount of ten (10) percent, provided they are paid in full on or before the close of business on the due date set out on the billing form. If all or a portion of a fee due and payable is received after the due date, then the *Owner* shall be liable for the full amount.

## 15.3. Unpaid Utility Fees

In accordance with section 258(1) of the *Community Charter*, unpaid fees may be collected in the same manner and with the same remedies as property taxes and if due and payable by December 31 and unpaid on that date shall be deemed taxes in arrear.

## 15.4. Rebates and Refunds

Except as follows, no rebate, refund, or credit whatsoever of any monies paid or payable for sewer service shall be made by the District. The Engineer may, in the Engineer's discretion, provide a rebate of the metered sewer utility fee when an *Owner* makes a written application to the District for adjustment within 30 days of the date of the most recent utility statement in which the *Owner* swears or attests the following:

- 15.4.1. that a water leak occurred during the winter period Quarter 4 (October - December), Quarter 1 (January - March), or both;
- 15.4.2. that the *Owner* has properly repaired the leak; and
- 15.4.3. a leak of that nature would have caused a volume of discharge in excess of the historical volume of discharge during the same period of prior years; and

If these conditions are met, the Director of Finance will recalculate the metered sewer utility fee based on usage history and trends over the previous two years. If the recalculated fee is less than the original quarterly billing, the Director of Finance may apply a rebate to the difference.

#### 15.5. Change of Use

Every *Owner* shall advise the District when the use or *Occupancy* of the property changes, having reference to the classification of user set out in the *Schedule A*.

## Part 16 Remedies, Offences Penalties

- 16.1. Every person who violates a provision of this bylaw, or who consents, allows, or permits an act or thing to be done in violation of a provision of this bylaw, or who neglects to or refrains from doing anything required to be done by a provision of this bylaw, is guilty of an offence, and is guilty of a separate offence each day that a violation continues to exist.
- 16.2. Every person who commits an offence is liable on summary conviction to a fine or to imprisonment, or to both a fine and imprisonment, not exceeding the maximum allowed by the Offence Act.
- 16.3. Offences committed in respect of this bylaw may be enforced under the *Bylaw Notice Enforcement Bylaw No. 4368, 2004*, and the *Municipal Ticket Information System Implementation Bylaw No. 4383, 2004*.
- 16.4. Notice of Bylaw Infraction

- 16.4.1. The *Engineer* may issue a written notice to an *Owner* that the *Owner* is in contravention of this bylaw and direct the *Owner* to comply.

16.5. No False Information

- 16.5.1. No person shall:

- (a) provide to the District false information; or
- (b) make inaccurate or untrue statements.

16.6. No Tampering

- 16.6.1. No person shall maliciously, willfully or negligently:

- (a) break, damage, destroy, uncover, deface, mar, or tamper with any *Service Connection* or any part of the *Municipal System*;
- (b) in any way operate, remove, or make any alteration to any part of the *Municipal System*; or
- (c) uncover or place fill over any part of the *Municipal System*.

16.7. Discontinuance of Service

- 16.7.1. Subject to section 16.8.1., the *Engineer* may disconnect any property from the *Municipal System* in response to:

- (a) a contravention of any of the provisions of this bylaw; or
- (b) for non-payment of fees or other charges when due;

if the *Owner* of the property fails to remedy the contravention or non-payment after receiving 30 days' written notice from the *Engineer*.

16.8. Timing of Disconnection

- 16.8.1. The *Engineer* shall not disconnect *Private Works* under section 16.7.1.(a) until:

- (a) the *Engineer* has imposed a notice period that coincides with at least one meeting of Council scheduled at least 3 days from the date of delivery of the notice;

- (b) the *Engineer* has advised the *Owner* that he or she may, by written request delivered to the District's Corporate Officer at least two days before the meeting, appear before the Council at its next regular meeting; and
- (c) the *Owner* has failed to appear before Council during the notice period or Council, after hearing the submissions of the *Owner*, affirms the disconnection of the *Private Works*.

#### 16.9. Notice of Disconnection

16.9.1. Service of the notice referred to in section 16.7.1. will be sufficient if the notice:

- (a) In the case of service on an individual, is served personally or mailed by prepaid registered mail to the address of the *Owner* shown on the then current year's real property assessment roll for the residential property for the which the notice is issued;
- (b) In the case of service on a corporation, is served personally on a director, officer, or manager of the corporation or by leaving it at or mailing it by registered mail to the registered office of the corporation.

#### 16.10. Reconnection

16.10.1. The *Engineer* may refuse to turn on or reconnect a disconnected private work until all necessary repairs have been completed to the satisfaction of the *Engineer* and all applicable charges, including any charges for disconnection and re-connection, have been paid.

#### 16.11. Municipal Action at Defaulter's Expense

16.11.1. Whenever a person fails to take an action required by this bylaw the District may fulfill the requirement at the expense of the person and may recover the costs incurred from that person as a debt.

#### 16.12. Additions to Taxes

16.12.1. Money incurred by the District for work done or services provided by the District in relation to an *Owner's* land or improvements at the default of the *Owner* may be collected in the same manner and with the same remedies as property taxes, and if it is due and payable by December 31 and unpaid on that date, is deemed to be taxes in arrears.

## Part 17 Schedules

### 17.1. Schedules

17.1.1. The following schedules are attached to and form part of this bylaw:

- Schedule A - Sewer Meter Base Rates
- Schedule B - Sewer Meter Volume Rates
- Schedule C- Service Charges
- Schedule D- Prohibited Waste
- Schedule E- Restricted Waste

READ A FIRST TIME on October 23, 2023

READ A SECOND TIME on October 23, 2023

READ A THIRD TIME on October 23, 2023

ADOPTED by the Council on October 30, 2023.

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Mayor

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Deputy Corporate Officer

Amendment Bylaw 5284
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## Schedule A – Sewer Meter Base Rates

### Sewer Base Charge Per Unit (Quarterly)

<b>Customer Class</b>	<b>Sanitary Local Levy</b>	<b>Sanitary Regional Levy</b>	<b>Drainage Levy</b>	<b>Quarterly Fixed Charge: Total</b>
Single Family Residential	\$21.87	\$40.59	\$154.69	\$217.10
Multi-Family Residential	\$21.87	\$40.59	\$154.69	\$217.10
Commercial	\$21.87	\$40.59	\$154.69	\$217.10
No Water Sewer*				\$388.26

\*No Water Sewer: customers, who are not charged metered water, pay a flat rate based on the median SFR quarterly bill.

## Schedule B – Sewer Meter Volume Rates

Amendment Bylaw 5284
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### 1. Metered Sewer Volume Rates Based on Quarterly Consumption

Customer Class	Volume Charge Per Cubic Metre (m <sup>3</sup> ) Local	Volume Charge Per Cubic Metre (m <sup>3</sup> ) Regional
Single Family Residential*	\$1.62	\$2.42
Multi-Family Residential**	\$1.62	\$2.42
Commercial**	\$1.62	\$2.42

\*Single Family Residential Volume Rate applied quarterly to average winter period usage.

\*\*All other class rates applied to total water usage.

For discharge of contaminated groundwater to the sewer system the fee is \$1.50 per cubic meter for groundwater discharged.

Per section 15.2.1 of “Sewerage and Drainage Regulation Bylaw No. 5263, 2023” the rates shown in Schedule “A” and Schedule “B” shall be subject to a discount of ten (10) per cent, provided full payment for the current billing is made on or before the close of business on the due date set out on the billing form.

## **Schedule C – Service Charges**

Sewer Leak Administration Fee: 10% of Original Sewer Charge up to \$200

For work other than listed above or where extraordinary conditions prevail such as rock excavation, creek crossings, other utility interference, sidewalks etc. the estimated cost to be actual installation cost plus 20% overhead. Estimated cost plus 50% contingency to be paid in advance as security see Section 15.1 Connection Fees in this Bylaw.



## Schedule D – Prohibited Waste

The following are designated as *Prohibited Waste* for the purposes of this bylaw:

1. Flammable or Explosive Waste

Any *Waste* which is capable of causing or contributing to an explosion or supporting combustion in any *Sewer* or *Sewage Facility* including, but not limited to, gasoline, benzene, naphtha, diesel or other fuel oil, *Waste* crankcase oil and sludge resulting from the manufacture of acetylene.

2. Waste Causing Obstruction or Interference

Any *Waste* which is capable of obstructing the flow of or interfering with the operation or performance of any *Sewer* or *Sewage Facility* including, but not limited to earth, sand, ash, glass, tar, asphalt, plastic, wood, *Waste* portions of animals, fish or fowl, and solidified fat.

3. Waste Causing Air Pollution

Any *Waste*, other than *Sanitary Waste*, that causes Air Pollution outside any *Sewer* or *Sewage Facility*.

4. High Temperature Creating Waste

- (a) Any *Waste* which may create heat in amounts which will interfere with the operation and maintenance of the *Sewer* or *Sewage Facility* or with the treatment of *Waste* in a *Sewage Facility*;
- (b) Any *Waste* which will raise the temperature of *Waste* entering any *Sewage Facility* to 40 degrees Centigrade (104 degrees Fahrenheit) or more;
- (c) Any *Non-Domestic Waste* with a temperature of 65 degrees Centigrade (150 degrees Fahrenheit) or more.

5. Radioactive Waste (Nuclear Substances)

Any *Waste* that, at the point of discharge into a *Sewer*, is defined as a Nuclear Substance under the federal *Nuclear Safety and Control Act*.

6. Biomedical Waste

Any *Waste* that, at the point of discharge into a sewer, contains biomedical waste as defined in the Hazardous Waste Regulation as amended from time to time pursuant to the *Environmental Management Act*.

7. Specified Risk Material for Bovine Spongiform Encephalopathy

Any *Waste* containing the specified risk material as defined in the federal Fertilizers Regulations (C.R.C., c. 666), as amended from time to time, including material from the skull, brain, trigeminal ganglia, eyes, tonsils, spinal cord and dorsal root ganglia of cattle aged 30 months or older, or material from the distal ileum of cattle of all ages.

8. Hazardous Waste

Any *Waste* defined as hazardous waste in the Environmental Management Act with the exception of hazardous waste in compliance with the effluent standards contained in Schedule 1.2, Column 3 of the Hazardous Waste Regulation.

## Schedule E – Restricted Waste

The following are designated as *Restricted Waste* for the purposes of this bylaw:

1. Particle Size Waste

Any *Non-Domestic Waste*, including that from cooking and handling of food, that at the point of discharge into a *Sewer*, contains particles larger than 0.5 centimetres in any dimension.

2. PH Waste

Any *Non-Domestic Waste* which, at the point of discharge into a *Sewer*, has a pH lower than 5.5 or higher than 10.5.

3. Waste Causing Interference or Injury

Any *Waste* in a concentration or quantity which may interfere with the proper operation of a *Sewer* or *Sewage Facility* or which may injure or is capable of injuring the health of any person, property, or life form.

4. Waste Producing Air Contaminants

Any *Waste*, other than *Sanitary Waste*, that is capable of emitting into the air within a *Sewer* or *Sewage Facility* any substance that injures or is capable of injuring the health or safety of a person, or that causes or is capable of causing material physical discomfort to a person.

5. Corrosive Waste

Any *Waste* with corrosive properties which may cause damage to any *Sewer* or *Sewage Facility*.

6. Specified Waste

Any *Sewerage* which, at the point of discharge into a *Sewer*, contains any substance with a concentration in excess of the levels set out in Tables (A), (B) or (C) below. All concentrations are expressed as total concentrations, which include all forms of the contaminant, combined or uncombined, whether dissolved or undissolved obtained from a *Grab Sample*. Definitions and methods of analysis for these substances are outlined in *Standard Methods* or methods specified by the *Engineer*.

**Table A - Conventional Contaminants**

<b>Contaminant</b>	<b>Maximum Concentration (mg/L)</b>
Biochemical Oxygen Demand (BOD)	500
Total Suspended Solids (TSS)	600
Total Oil and grease <sup>1</sup> (O&G – Total)	150
Oil and grease (Hydrocarbon) (O&G – Hydrocarbon)	15

Note: Total Oil and grease includes Oil and grease (Hydrocarbons)

**Table B - Organic Contaminants**

<b>Contaminant</b>	<b>Maximum Concentration (mg/L)</b>
Phenols	1.0
Chlorophenols	0.05
Polycyclic Aromatic Hydrocarbons (PAHs)	0.05
Benzene	0.1
Total BETX3	1.0

Notes:

Chlorophenols include:

- a. tetrachlorophenols (2,3,4,5-, 2,3,4,6-, 2,3,5,6-)
- b. pentachlorophenol

Polycyclic Aromatic Hydrocarbons (PAHs) include:

acenaphthene	chrysene
acenaphthylene	dibenzo(a,h)anthracene
anthracene	fluoranthene
benzo(a)anthracene	fluorene
benzo(b)fluoranthene	naphthalene
benzo(k)fluoranthene	phenanthrene
benzo(g,h,i)perylene	pyrene
benzo(a)pyrene	indeno(1,2,3-c,d)pyrene

BETX3 include:

- benzene
- ethylbenzene
- toluene
- xylenes

**Table C - Inorganic Contaminants**

<b>Contaminant</b>	<b>Maximum Concentration (mg/L)</b>
Aluminum	50.0
Arsenic	1.0
Boron	50.0
Cadmium	0.20
Chromium	4.0
Cobalt	5.0
Copper	2.0
Iron	10.0
Lead	1.0
Manganese	5.0
Mercury	0.05
Molybdenum	1.0
Nickel	2.0
Selenium	1.0
Silver	1.0
Zinc	3.0
Cyanide	1.0
Sulphide	1.0
Sulphate	1500