

THE CORPORATION OF THE CITY OF GUELPH

By-law (1993)-14515

A by-law respecting storm water disposal from private property in the City of Guelph, to amend By-law (1987)-12602 and to adopt Municipal Code Amendment #133.

WHEREAS pursuant to the Municipal Act, R.S.O. 1990, c.M.45, Section 210, para. 80, the councils of local municipalities, may pass by-laws providing for requiring and regulating of filling up, draining, cleaning, clearing of any grounds, yard and vacant lands and the altering, relaying or repairing of private drains;

THEREFORE the council of the Corporation of the City of Guelph enacts as follows:

SECTION 1 – DEFINITIONS

Definitions of words and phrases used in this By-law are not included in this section shall have the same meanings which are commonly assigned to them in the context in which they are used in the Ontario Building Code and other provincial legislation respecting plumbing.

- 1.1 “Appurtenance” means an accessory item that may or may not be essential to be added to a piece of equipment to ensure its proper function.
- 1.2 “City” means the corporation of the City of Guelph
- 1.3 “Drain Contractor” means a person, corporation, company, firm, organization or partnership performing or engaging to perform either for his or its own use or benefit, or for that of another and with or without remuneration or gain, any Drain Work within the limits of the City.
- 1.4 “Drain Work” includes the laying of metallic or non-metallic pipe into trenches not within a building to form sanitary or storm sewers, storm drainage piping, private sewers, or water mains on private property, repairing of drains or removing of tree roots or other obstructions from sewers.
- 1.5 “Inspector” means a person appointed or authorized by the City, to carry out inspections and perform the other duties prescribed in this By-law.
- 1.6 “Municipal Storm Drainage Facility” means a system provided by the City for the collection of storm water run-off from public lands and private lands and includes storm drainage piping, appurtenances, ditches, water courses and ponds.
- 1.7 “Permit” means the written authorization given by the City to carry out the installation of Storm Drainage Piping.

- 1.8 “Roof Water Downspout” means a vertical conductor installed outside a building to receive storm water from a roof of a building and discharge it onto the surface of the ground or to storm drainage piping.
- 1.9 “Storm Sewer Lateral” means the underground storm drainage piping that has been extended from a Municipal Storm Drainage Facility to a property line or limits of an easement, to receive Storm Water from a Storm Water Disposal System.
- 1.10 “Storm Water” means water that is discharged from a surface as a result of rainfall, snow melt or snowfall.
- 1.11 “Storm Water Disposal System” means all connected piping, including the Building Storm Drain, Building Storm Sewer, storm drainage piping, subsoil drainage pipe, catch basins, manholes, interceptors and water courses used to convey Storm Water from private lands to a Municipal Storm Drainage Facility.
- 1.12 “Storm Water management System” means a Storm Water Disposal System that has been professionally designed, constructed and maintained such that the rate of run-off from specific blocks of land or lots is controlled to discharge into a Municipal Storm Drainage Facility at a reduced flow rate.

SECTION 2 – GENERAL REQUIREMENTS AND APPLICATION

- 2.1 All Storm Water run-off from private lands shall discharge to a Storm Water Disposal System, or Storm Water Management System that is connected to a Municipal Storm Drainage Facility.
- 2.2 Every Storm Water Disposal System and Storm Water Management System shall be separate from a sanitary sewage system.
- 2.3. Every Storm Water Disposal System or Storm Water Management System shall be designed and constructed in accordance with the requirements of all applicable Ontario Legislation respecting Storm Drainage Systems including but not limited to the Certificates of Approval required pursuant to Section 53 of the Ontario Water Resources Act, and may be subject to inspection by the City.
- 2.4. Materials used in the construction of a Storm Water Disposal System shall comply with requirements of all applicable Ontario Legislation respecting Storm Drainage Systems and current City standards.
- 2.5. Except for single detached dwellings and semi-detached dwellings, all Storm Water Disposal Systems and Storm Water Management Systems shall be designed by a Professional Engineer. Two copies of the design, bearing the seal and signature of the Professional Engineer, shall be submitted to the City for review prior to construction of the system.

- 2.6. Every Storm Water Disposal System or Storm Water Management System within Registered Plan 680 or Registered Plan 687 shall be designed, constructed and maintained such that not more than 1.0 cubic metre per minute of Storm Water per hectare, for a rainfall of up to 100 mm over a three hour period is allowed to run off from any property.
- 2.7. Where required by the City, site drainage plans, bearing the seal and signature of a Professional Engineer, shall be submitted to the City for approval. The City will require two sets of every plan.
- 2.8. Where a Municipal Storm Drainage Facility is not available, or is determined by the City to be not adequate there shall be no connection to the Facility and Storm Water run off shall be disposed of in a manner acceptable to the City.
- 2.9. Where a Storm Sewer Lateral receives the discharge from other storm drainage piping, the Storm Sewer Lateral and Storm drainage piping receiving the accumulated discharge shall be minimum trade size of six inches (150 mm)
- 2.10. No part of a Storm Water Disposal System shall be constructed until all approvals and authorization by the City have been granted.
- 2.11. No person shall carry out any work on City owned lands without the prior written approval of the City.
- 2.12. Every Storm Water Disposal System or Storm Water Management System on private lands shall be installed only by licensed Drain Contractors.
- 2.13. No person shall construct or permit the construction of a Storm Water Disposal System or Storm Water Management System except in accordance with plans approved by the City.

SECTION 3 – CATCH BASINS, MANHOLES AND INTERCEPTORS

- 3.1 Catch basins, manholes, interceptors and area drains shall comply with current City Standards
- 3.2 Catch basins or area drains shall not be used as manholes. Every catch basin or area drain shall connect to storm drainage piping by means of a branch connection off the storm drainage piping.
- 3.3 Catch basins and area drains located in rear yards of private lands, used to drain run-off from adjacent properties shall be maintained by the owner of the land on which the drain is installed.
- 3.4 Storm water run-off from paved areas, including ramps and loading areas shall be directed to discharge to a catch basin that connects to a Storm Water Disposal System or Storm Water Management System.

- 3.5 Where a catch basin or area drain is installed in a ramped driveway, the installation shall conform to current City standards.
- 3.6 Where required by the City, an interceptor device shall be provided in the system prior to entering the Municipal Storm Drainage Facility, and the interceptor shall be approved by the Corporation.

SECTION 4 – STORM WATER RUN-OFF FROM ROOFS

- 4.1 Storm Water run-off from the roof of every building shall be disposed of as herein specified.
- 4.2 Run-off from the roof areas of every single detached dwelling and every semi-detached dwelling, including any accessory building covering more than fifteen square metres, shall be collected in suitable eavestroughs and discharged through Roof Water Downspouts, into a Storm Water Disposal System connected to a Municipal Storm Drainage Facility.
- 4.3 Where an adequate Municipal Storm Drainage is not available or may not be connected to, the Storm Water run-off from the roof areas from every single detached dwelling and every semi-detached dwelling, including any accessory building covering more than fifteen square metres shall;
 - (a) be collected in suitable eavestroughs and discharged through Roof Water Downspouts onto the surface of the ground,
 - (b) be directed overland away from the building at a minimum grade of two percent (2%), to the abutting road allowance, and,
 - (c) be directed so that it does not flow onto adjoining property other than a road allowance except as provided for by an approved drainage plan pursuant to a Subdivision Agreement or other drainage plan approved by the City.
- 4.4 Notwithstanding Articles 4.1, and 4.2 and 4.3, every single detached dwelling and every semi-detached dwelling including any accessory building covering more than 15 square metres, within any Registered Plan registered after August 1, 1990, or within any Registered Plan where Storm Water drains to the Hanlon Creek or Torrence Creek Watersheds, shall be equipped with suitable eavestroughs and Roof Water Downspouts to conduct Storm Water from the roof onto the surface of the ground in conformance with requirements of Article 4.3.
- 4.5 Every Roof Water Downspout shall be firmly attached to an eavestrough or roof gutter and shall be secured to the building.
- 4.6 Where a Roof Water Downspout discharges to storm drainage piping, the connection between the downspout and storm drainage pipe shall be made above the surface of the ground and shall be done in a manner to prevent foreign objects from entering the storm drainage piping.

- 4.7 Where a Roof Water Downspout discharges onto the surface of the ground, each downspout shall be equipped with an elbow at the bottom end of the Downspout, that;
- (a) directs the roof water onto a suitable splash pad, to prevent soil erosion,
 - or
 - (b) incorporates a minimum eighteen inch (450mm) extension, firmly secured, to direct water away from the building to prevent soil erosion.
- 4.8 All Storm Water run-off from roofs of buildings other than single detached dwellings or semi-detached dwellings shall discharge to a Storm Water Disposal System, connected to a Municipal Storm Drainage Facility.

SECTION 5 – FOUNDATION DRAINAGE

- 5.1 Every foundation drain pipe or subsoil drainage pipe, shall discharge to storm drainage piping where a gravity storm drain is available.
- 5.2 (a) Foundation drain pipe used to collect water from the bottom of a Foundation shall be installed so that weep holes are located at the bottom of the pipe and every joint in the pipe shall be made with the proper fitting.
- (b) Foundation drain pipes shall be covered in accordance with the requirements under the Building Code.
- 5.3 Every Foundation drain pipe shall be connected to storm drainage piping at a minimum distance of thirty-six inches (900mm) upstream of all other storm drain connections, or at an elevation at least ten inches (250mm) above the storm drain pipe.
- 5.4 Foundation drain pipe shall not receive the discharge of storm water from any other storm water conductor or drainage pipe.
- 5.5 Notwithstanding Article 5.4, a storm drainage pipe installed to receive Storm Water from a window well, may discharge to a foundation drain pipe when installed in accordance with current City standards.
- 5.6 Notwithstanding Article 5.1, where a Foundation drain pipe or subsoil drain pipe cannot drain by gravity to a Storm Water Disposal System, the drain shall discharge to a watertight sump and the Storm Water shall be pumped to a Storm Water Disposal System or, where there is no Storm Water Disposal System, the storm water shall be pumped onto the surface of the ground provided that the pump discharge pipe is installed to direct the water away from the building so that it does not flow onto adjoining property other than a road allowance or a Municipal Storm Drainage Facility.

5.7 Where a sump and pump is required, the installation shall be in accordance with current City standards and the sump pump shall be directly accessible at all times for service and maintenance.

SECTION 6 – MAINTENANCE

6.1 Every Storm Water Disposal System and Storm Management System shall be maintained to be free of leaks, sand, grit, debris, ice and snow.

SECTION 7 – PENALTY AND VIOLATIONS

7.1 No person shall contravene or permit the contravention of any provision of this By-law

7.2 Any person convicted of an offence under this By-law shall be liable to a penalty as set out in Section 61 of the Provincial Offences Act, R.S.O. 1990, Chapter P.33 or any successor thereof.

SECTION 8

8.1 By-law (1987)-12602, as amended, is hereby further amended by deleting Section 7.2, Storm water systems

8.2 Municipal Code Amendment #133 to delete Section 215.8 of Chapter 215, and to add By-law (1993)-14515 is hereby adopted.

8.3 This by-law can be cited as the Storm Water By-law.

PASSED this 20th day of December, 1993.

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MAYOR

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CITY CLERK