

CITY OF STEINBACH

By-Law No. 1674

A BY-LAW OF THE CITY OF STEINBACH TO REGULATE THE INSTALLATION OF SUMP PITS AND SUMP PUMPS FOR BUILDINGS IN THE CITY OF STEINBACH.

WHEREAS Council of the City of Steinbach deems it desirable and necessary to establish regulations concerning the installation of sump pits and sump pumps within the City of Steinbach.

NOW, THEREFORE, the Council of the City of Steinbach in a meeting duly assembled, enacts as follows:

SECTION 1 - General

1.1 All buildings located within the City of Steinbach with a subsurface drainage system (the "System") shall have the System constructed so that the drainage is directed to a sump pit equipped with a pump and discharged to the outside of the building in conformance with Section 4 of this by-law.

1.2 The System, which includes weeping tile, sump pit, pump(s) and other associated equipment, shall be designed and constructed in accordance with good design practice, and all applicable building codes and this by-law such that the water level in the sump pit is normally maintained below the lowest level of the weeping tile entering the sump pit and, in the case of power failure, the sump pit shall be at least of the size required by Section 3 of this by-law and shall be large enough to contain water collected from the weeping tile for the System for a period of at least one (1) hour.

SECTION - Sump Pumps

2.1 Sump pump(s) for the system shall be:

- Automatically controlled and set to maintain the water level below the lowest drain tile entering the sump pit;
- Of the centrifugal impeller type;
- Installed with their inlets located at least 30mm (1 1/8") above the bottom of the sump pit;
- A submersible pump; and
- Capable of discharging a minimum flow of 0.751 l/s at 3/6m head.

2.2 Sump pump motor(s) for the System shall:

- Be connected to an electrical circuit that supplies no other outlets or equipment;
- Be designed for up to 10 start/stop cycles per hour;
- Be equipped with a self-resetting thermal overload protective switch;
- Be rated for continuous duty; and
- Be CSA approved for sump pit application.

SECTION 3 - SUMP PIT(S)

3.1 Sump pit(s) shall:

- Have walls and bottoms constructed of either concrete, polyethylene, polypropylene, fiberglass or other suitable material;
- Be provided with a sealed cover adequate to support the occupancy floor load for the building served by the System;
- Have a minimum pit floor area of 0.46 m² (4.9 sq ft) and a minimum depth of 0.8m (30"); and
- The cover of the sump pit must be screwed down, locked or fastened in a manner acceptable to the City of Steinbach.

SECTION 4 - Discharge

4.1 The discharge pipe system for the System from the sump pump shall:

- Be constructed of materials installed in conformance with this by-law and any applicable code;
- Have a minimum internal diameter of 30mm (1 1/8");
- Have a check valve installed near the connection to the sump pump to prevent backflow into the sump pit;
- Have a union joint installed near the sump pump to facilitate sump pump removal and inspection if metallic piping is used; and
- Be protected so as to prevent the freezing of water in the System.

4.2 Discharge of water from the System onto the surface of the land served by the System shall:

- Where, in the opinion of the City of Steinbach, the landscaped area around the building served by the system is adequate to dispose of subsurface drainage without causing a nuisance to adjoining properties, be directed to the outside of the building served by the System and discharged on to a splash pad as specified in Schedule "A" to this by-law.
- Where, in the opinion of the City of Steinbach, the landscaped area around the building served by the System is inadequate to dispose of subsurface drainage and/or where such drainage may result in a nuisance to other properties, the type of System and point of discharge shall be designed in such a manner as is first approved by the City of Steinbach in writing.

SECTION 5 - Floor Drains

5.1 Any floor drain which is connected to a sanitary sewer shall consist of a solid pipe which shall extend from the floor drain trap to the finished floor level with no interconnection between the floor drain and the sump pit.

SECTION 6 - Offence and Penalties

6.1 Any person who contravenes or disobeys or refuses or neglects to obey any provision of this by-law is guilty of an offence and liable on summary conviction to a fine not exceeding One Thousand Dollars (\$1,000.00) in the case of an individual or Five Thousand Dollars (\$5,000.00) in the case of a corporation or in the case of an individual to imprisonment for a term not exceeding six months or to both such a fine and such an imprisonment together with an order in favour of the City, for costs incurred by the City with respect to this prosecution.

6.2 Where a corporation commits an offence against this by-law each Director or Officer of the corporation who authorized, consented to, connived at, or knowingly permitted or acquiesced in, the doing of the act that constitutes the offence, is likewise guilty of the offence and liable on summary conviction, to the penalty for which provision is made in 6.1.

6.3 In addition to 6.1 and 6.2 any person or corporation may be required to observe or perform such terms and conditions as a court may impose.

6.4 Where the contravention, refusal, neglect, omission or failure continues for more than one day, the person or corporation is guilty of a separate offence for each day it continues.

This by-law shall come into effect upon enactment.

DONE AND PASSED by the Council of the City of Steinbach, duly assembled, this 1st day of April, 2003.

Mayor

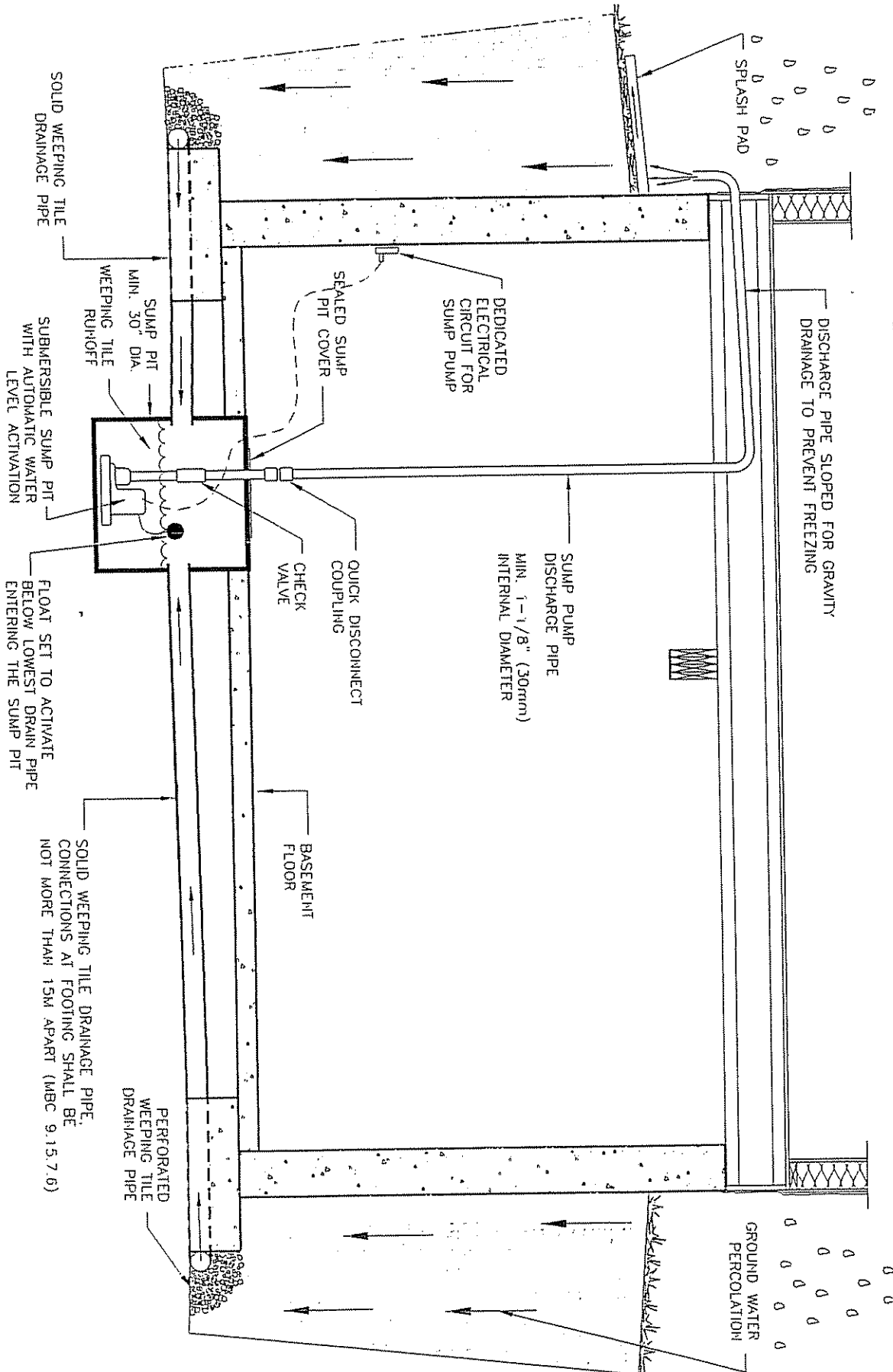
City Manager

Read a first time this 21st day of January, 2003.
Read a second time this 1st day of April, 2003.
Read a third time this 1st day of April, 2003.

Certified copy of By-Law 1674, duly enacted
on the 1st day of April, 2003.

City Manager

SCHEDULE A TYPICAL SUMP PIT/PUMP INSTALLATION



SOLID WEEPING TILE
DRAINAGE PIPE

SUMP PIT
MIN. 30" DIA.
WEEPING TILE
RUNOFF

SUBMERSIBLE SUMP PIT
WITH AUTOMATIC WATER
LEVEL ACTIVATION

FLOAT SET TO ACTIVATE
BELOW LOWEST DRAIN PIPE
ENTERING THE SUMP PIT

SOLID WEEPING TILE DRAINAGE PIPE,
CONNECTIONS AT FOOTING SHALL BE
NOT MORE THAN 15M APART (MBC 9.15.7.6)

PERFORATED
WEEPING TILE
DRAINAGE PIPE

BASEMENT
FLOOR

DEDICATED
ELECTRICAL
CIRCUIT FOR
SUMP PUMP

SUMP PUMP
DISCHARGE PIPE
MIN. 1-1/8" (30mm)
INTERNAL DIAMETER

QUICK DISCONNECT
COUPLING

CHECK
VALVE

SEALED SUMP
PIT COVER

DISCHARGE PIPE SLOPED FOR GRAVITY
DRAINAGE TO PREVENT FREEZING

SPLASH PAD

GROUND WATER
PERCOLATION

SUMP PIT BYLAW NO. 1674

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