

**CITY OF MUSKEGO
CHAPTER 16 - PLUMBING CODE**

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CHAPTER 16 - PLUMBING CODE**

16.01 DEFINITIONS

Plumbing for the purpose of this Code is hereby defined as follows:

- (1) As is stated in sec. 145.01 Wis. Stats. and ILHR 82-84 & 86 Adm. Code (State Plumbing Code). (Ord. #582 - 9-22-87)
- (2) The construction, connection to or alteration of any drain, soil or waste pipe to carry domestic sewage, storm water or industrial waste from a point 3 feet outside of the foundation walls of any building to the sewer lateral at the curb or other disposal terminal including the private sewage disposal or treatment plant. This definition does not include minor repairs to faucets and the removal of stoppages in soil or waste pipe.

16.02 STATE CODE ADOPTED

The construction, reconstruction, installation and alteration of all plumbing, drainage and plumbing ventilation shall conform to the Wisconsin Administrative Code, chapters ILHR 82-84 & 86 (State Plumbing Code) and Chapter 145, Wis. Stats., which are adopted by reference as a part of this chapter. (Ord. #582 - 9-22-87)

16.03 COMPLIANCE REQUIRED

No water, drainage or disposal system shall be installed, altered, repaired, relocated, reconstructed, extended, converted or enlarged without a permit and in conformity with the provisions of this chapter, the Wisconsin State Plumbing Code and the Wisconsin State Board of Health.

16.04 LICENSE

No person shall alter, install or rebuild for others (minor routine repairs as provided in sec. 16.05 excepted) any water, drainage or disposal system for any purpose in the City, without first having obtained a State Masters License. (Ord. #582 - 9-22-87)

16.05 EXCEPTIONS TO PERMIT REQUIREMENTS

No permit shall be required for the following reasons:

- (1) Minor Repairs or Alterations authorized in writing by the Building Inspection Department, or minor repairs to faucets, valves, pipes, appliances and removing of stoppages.
- (2) Manufacturers of materials or fixtures for their testing equipment.
- (3) EMERGENCY WORK - In an emergency, the person doing or causing such work to be done shall report the same to the Building Inspection Department immediately after beginning work and such work shall be done in accordance with all the provisions of this Code.

16.06 APPLICATION FOR PERMIT

- (1) Application for permits shall be made in writing to the Building Inspection Department by any person holding a masters license, or a firm or corporation desiring to install, alter or repair any water, drainage or disposal system, on a form prepared and furnished by the Building Inspection Department. In no case shall any work be performed unless a permit has been first obtained, except in an emergency.
- (2) Description. The application shall contain:
 - (a) A clear description of the work planned, the alterations or repairs to be made, and the equipment and materials to be used, including any plans and specifications for such installation. Any later deviations from such description, plans or specifications shall be submitted to and approved by the Building Inspection Department.
 - (b) The results of any required percolation tests, which must be made in the manner and by the persons prescribed by the State.
 - (c) An accurate plat plan or plat of survey of the lot upon which the plumbing is to be installed, drawn to a reasonable scale, properly dimensioned, and showing:
 1. The size, plan and location of any proposed or existing structures on the lot, including any building or buildings, and of any existing or proposed system of sewage treatment or disposal.
 2. The location in feet of the water well on the lot and of wells and septic systems on adjoining lots.
 3. The location in feet of any private system of sewage treatment or disposal which is within 20 feet of the lot.
 4. The slope or slopes of the land surface of the lot in feet per 100 feet or per cent of slope.
 5. If a building is to be erected, or structurally altered on the lot, then any additional data required by the City Zoning Code.

16.07 PERMIT FEES

- (1) Applicable fee rates; SEE TABLE #2. (Ord. #837 - 04-21-94)
- (2) The fees for permits required by this code shall be as from time to time established by resolution of the Common Council and listed in Table #2. Such resolution shall remain on file with the City Clerk and in the office of the Building Inspector. (Ord. #837 - 04-21-94)
- (3) Penalty fees. Penalty Fees shall be charged when work is started before permit is applied for and issued, said penalty fees shall be established by resolution of the Common Council and be listed in Table #2. (Ord. #837 - 04-21-94)

- (4) Municipal projects. Fees are waived. (Ord. #603 - 04-21-88)

16.08 GRANT OR DENIAL OF PERMIT

- (1) Permit shall be granted or denied in writing by the Building Inspection Department, within 15 days of application except as provided in subsections 16.11 (2). (Rep. & Recr. #1334 11-4-2010)
- (2) NO PERMITS TO VIOLATORS: Applicants having outstanding orders, notices, or unpaid fees, relative to this Chapter or other Chapters enforced by the City shall not be issued any additional permits, prior to such orders, notices, or fees being corrected and/or paid to the inspection department's satisfaction. (Ord. #846 - 8-18-94)
 - (a) Exception: The inspector or other authorized individual may issue permits to applicants with outstanding orders, notices, or unpaid fees, when the permit is required to comply with an outstanding order or notice. (Ord. #846 - 8-18-94)

16.09 PERMITS IN CONFLICT WITH CHAPTER

Any permit issued in conflict with any provision of this chapter shall be null and void.

16.10 HOLDER OF PERMIT TO DO WORK

The holder of a permit hereunder or his employees shall install all plumbing listed in the application.

16.11 INSPECTIONS (Rep. & Recr. Ord. #1334 11-4-2010)

- (1) Upon the completion of the installation, alteration or repair of any water, drainage or disposal system before it is to be hidden from view, the permit holder doing the same shall notify the Building Inspection Department and they shall inspect and test the installation within a reasonable time after such notice is received. If, upon inspection and test, it is found that such installation is fully in compliance with this Chapter and does not constitute a hazard to life, health or property, he shall approve the same and authorize concealment of such systems for service. If the installation is incomplete or not strictly in accordance with this Chapter, he shall issue orders to the person installing the same to remove all hazards and make the necessary changes or additions within 10 days. Concealment of work before inspection or failure to comply with the order of the Inspector shall constitute an offense punishable in accordance with the provisions of this Chapter.
- (2) Prior to the installation, alteration or repair of any private water supply well located within any Special Well Casing Pipe Depth Area designated by the Wisconsin Department of Natural Resources under NR 812.12(3) Wis. Admin. Code, the applicant must contact the Wisconsin Department of Natural Resources to obtain and implement all Department construction requirements. Applicant shall provide a copy of the Department construction requirements to the Building Inspection Department, which shall then grant or deny the permit within 15 days.

- (3) Upon the completion of the installation, alteration or repair of any private water supply well located within any Special Well Casing Pipe Depth Area designated by the Wisconsin Department of Natural Resources under NR 812.12(13) Wis. Admin. Code, prior to the Building Inspection Department inspection required in Section 16.11(1), the water from the well shall be sampled and tested for volatile organic compounds using EPA method 502.2 or 524.2 and the results sent to the Department.
- (4) No occupancy permit may be issued under §2.03 of the City Zoning Ordinance and no well will be used for potable water until the Building Inspection Department is satisfied that all requirements of NR ch. 812 have been met.

16.12 LAPSE OF PERMIT (Am. #274)

- (1) Any permit issued hereunder shall expire one year from the date of issuance.
- (2) If any plumbing work for which a permit has been issued is not started within six (6) months from the date of the issuance of the permit, or if the plumbing work ceases for more than six (6) months, then such permit shall lapse and be void and all permit fees shall remain the property of the City of Muskego.

16.13 USE OF USED MATERIALS

- (1) All pipe, fixtures or appurtenances removed from an old structure, if in good condition, may be reused if they meet the requirements of this Chapter and the owner of the structure in which they are to be installed gives his written consent to the Building Inspection Department. However, any defective pipe, fixtures or appurtenances which do not meet the requirements of this Chapter or which have been condemned by the Building Inspection Department shall be removed from the system and not used again.

16.14 MATERIALS FOR SEWER PIPE AND LATERALS (Am #274)

- (1) (Am. #134 and #171) All building sanitary sewer laterals shall be constructed of cast iron, vitrified clay, concrete or asbestos cement, or approved plastic pipe with a minimum diameter of 4 inches. All sewer joints from main to building shall be of rubber or similar gasket approved for that purpose with the following exceptions:
 - (a) Where the location of the well requires the use of cast iron pipe.
 - (b) In the absence of any ground water, a hot poured tar joint will be allowed for the last joint at the building.
- (2) No cast iron sewer pipe shall be laid in ground containing cinders or a soil corrosive to the pipe. The size of the pipe shall be determined by referring to the Wisconsin State Plumbing Code and shall not be less than 4 inches in diameter. No one shall lay or connect with any public sewer system a pipe or the tile that is cracked, damaged, inferior or defective in any way or part.
- (3) All building drains installed below basement floor shall be constructed of approved plastic, cast iron or vitrified clay pipe with a minimum diameter of 4 inches. (Am #171)

- (4) Location. Distance from adjoining property shall be 2 feet unless a written authorization is supplied by the Building Inspection Department.
- (5) All laterals from main to lot line shall have a minimum size of 6 inches and shall be installed in accordance with Sub. (1) (Am #171)

16.15 PERMISSION FOR PRIVATE SYSTEMS

- (1) No private water supply or disposal system such as wells, privies, septic tanks, cesspools, absorption beds or ponds shall be constructed, repaired or rebuilt without written authorization by the Building Inspection Department and in compliance with the applicable provisions of the Chapter. (Am. #170)

16.16 SANITARY PERMITS

Waukesha County to issue state sanitary permits in accordance with ss. 145.135, ss. 145.19 and H63.05 (2) of the State Administrative Code.

16.17 PUMP INSTALLATION

- (1) Reports to Building Inspection Department (Cr. #171): (Ord. #582 - 9-22-87)
 - (a) The Well Constructor and Pump Installer shall report to the Building Inspection Department the laboratory analysis of the sample submitted at completion of the respective work.
 - (b) The Well Constructor shall also supply to the Building Inspection Department a copy of the well construction report at the time the report is made to the State Department of Health and Social Services.

16.18 RELIEF VALVES, HOT WATER HEATING STORAGE TANKS. (Rep. & Recr. #164)

- (1) Every hot water storage tank, manual or automatic water heater, or other equipment used for the heating and/or storage of domestic hot water hereinafter installed, replaced, repaired or relocated shall be provided with an approved automatic temperature and pressure relief valve, with a minimum size of 3/4 inch, except that automatic hot water heaters with an energy shut-off device, which has been tested and approved by, or meets the specification requirements of the American Gas Association, the Underwriters Laboratories, Inc., or other recognized approval authorities, need only be provided with an approved pressure relief valve of the diaphragm type installed as specified herein.
- (2) Approved temperature/pressure relief valves to be installed shall be Watts #40XL, or equal as approved by the Building Inspection Department.
- (3) Installation of all relief valves shall be in accord with the following:
 - (a) If a separate tapping is provided on the top of the heater, it shall be installed directly in this tapping.
 - (b) If a separate tapping is provided on the upper (vertical) side of the tank, it shall be installed in here.
 - (c) If no separate tapping is provided, relief valve shall be inserted into a 3/4 inch tee with the water outlet out the side of said tee.

- (4) The drain tube from relief valve discharge shall be installed full size (3/4") and run to within 6 inches of the floor.

16.19 HOLDING TANK PROGRAM (Ord. #392 - 08-12-80)

- (1) Holding tanks shall be regulated and installed as follows:
 - (a) Holding tanks shall be authorized and permits issued therefore by the Inspection Department to service when necessary, dwellings or other buildings actually in use or under construction as of the 20th day of April, 1977. No permit shall be authorized and issued to serve any residential building for which a permit is issued after said date.
 - (b) Complete plans of the installation and an agreement signed by the City and the owner detailing the terms of the holding tank servicing agreement shall be executed by the parties and shall be submitted to the Plumbing Section of the State of Wisconsin Department of Commerce for their approval for each request to install a holding tank. That said agreement shall be in a form in accordance with Exhibit "A-98" which is attached hereto and made a part hereof. (Ord. #961 - 05/28/98)
 - (c) (Deleted in its entirety - Ord. #961 - 05/28/98)
 - (d) The installation of the holding tank shall be made in accord with the following criteria:
 - (1) The holding tank shall be constructed on approved material in accord with the provisions of the Wisconsin Administrative Code, sec. H62.20(1)(d) designed in accordance with sec. H62.20(1)(e) and located in accord with sec H62.20(1)(c). (Be certain to locate the well on the plan.)
 - (2) Holding tanks shall be sized in consideration of a 5 day holding capacity although thought should be given to installing a holding tank with a capacity equal to a one week total load. (Sizing should be based on the date appearing in the table in sec. H62.20(1)(e)1. of the State Plumbing Code.)
 - (3) A warning device shall be installed to alert the individual in charge of the need to pump the holding tank, if the tank should near its capacity prior to its regularly scheduled servicing. This device shall be either an audible alarm or light which should be pole mounted or conspicuously located inside the building.
 - (4) Each tank shall be provided with a manhole of at least 20 inch inside diameter, brought to at least 6 inches above the surface of the ground to facilitate ease of inspection and servicing. The manhole sections and cover shall be of concrete or steel in accord with the State Plumbing Code, sec. H62.20(1)(d)1.
 - (5) The joints between the holding tank cover and tank, between the first manhole section and tank, and between each successive manhole section shall be made water tight.

- (6) to effect efficient removal of solids the bottom of the tank shall be set at a pitch of 4% toward the end of the tank served by the manhole.
- (7) Plans shall include construction details of the holding tank if it is not possible to purchase an approved holding tank of the capacity required.
- (8) If an approved septic tank is installed to serve as a holding tank, the inlet and outlet baffles shall be removed with the outlet plugged as per sec. H62.15 and H62.16 of the State Plumbing Code.
- (9) The manhole cover shall be equipped with an effective locking device to prevent persons, especially children, from tampering with this cover, gaining access to its contents and exposing themselves to a health hazard and to prevent other unprecedented accidents.
- (10) There shall be provided at least a 2 inch fresh air inlet installed and located in compliance with sec. h62.20(3) of the Wisconsin Administrative Code.
- (11) It shall be necessary to have the tank pumped by a licensed septic tank pumper with sludge and other material removed from the holding tank and hauled to an approved place of disposal in accord with the Wisconsin Administrative Code.

16.20 DISCHARGE OF CLEAR WATER SUMP PUMPS (Ord. #1120 - 12-05-02)

- (1) All sump pumps installed for the purpose of discharging clear water from the foundation drains and ground water infiltration and where the building is not served by a storm sewer, shall either discharge into a conduit leading to a drainage ditch or if no drainage ditch has been provided for surface water drainage, the water shall be discharged to the ground at a distance of not less than three (3) feet and no more than fifteen (15) feet from the building foundation and from there be discharged to the front of the building in such a manner that the water shall cross the owner's property towards the street. In no event shall a rigid or non-rigid conduit be attached to direct the water onto the street, or onto or across the adjacent property except with a legally obtained and recorded drainage easement approved by the Public Works Committee or so as to create a nuisance. If a property has curb and gutters, the property shall hook up directly to the storm sewer, if available, except as provided in 16.20 (3).
- (2) A skeleton storm sewer system is required in a subdivision which is served by a storm sewer. Each property shall directly hook up to the skeleton system by means of a rigid conduit in accordance with COMM 82, except where provided in 16.20(3).
- (3) Exceptions to the ordinance may be granted in writing by the Public Works Superintendent or Director of Engineering/Building Inspection for the following cases:
 - (a) Sump lines may be discharged to wetland areas in subdivisions served by curb and gutter and storm sewer if the following conditions are met:

1. The sump line discharge shall terminate a point not greater than twenty (20) feet nor less than ten (10) feet from the wetland limit.
 2. The discharge shall not cross the adjacent properties prior to entering the wetland area.
 3. The discharge shall not impact the functional values of the wetlands in accordance with Chapter 34.06(2)(b).
 4. The existing storm sewer does not have adequate depth to provide frost protection.
- (4) Any requests for an exception to this ordinance, not covered above, may be granted by the Public Works Committee of the Common Council.

16.205 DISTURBANCE OF FIELD DRAIN TILES (Ord. #733 1-14-92)

- (1) Whenever excavation disturbs an existing underground field tile, the tile shall be reconnected in a manner judged by the Building Inspector or the Public Works Department to be satisfactory.
- (2) Whenever excavation for a structure disturbs an existing underground field tile, the tile shall be rerouted in a manner so as not to be nearer than fifteen (15) feet at any point to the proposed structure. Inspection by the Building Inspector or the Public Works Department is required before backfilling.

16.21 PENALTIES

- (1) Any Person who shall violate any provision of this Chapter or any order, rule, or regulation made hereunder shall be subject to a penalty as provided in sec. 25.04 of this Municipal Code. Imposition of a forfeiture thereunder shall not preclude the City from maintaining any appropriate action to enjoin or remove any violation of this Chapter.