

City of St. Charles, Illinois

Ordinance No. 2003-M-5

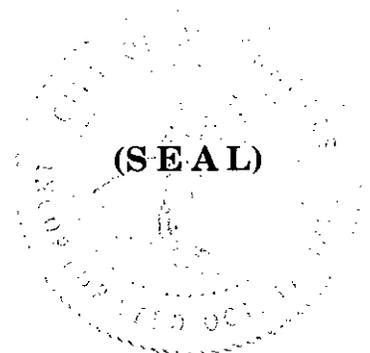
**An Ordinance Amending Chapter 15.04,
“Building Code,” and Chapter 15.04,
“Plumbing Code,” of the St. Charles Municipal Code
(Adoption of 1998 Illinois Plumbing Code)**

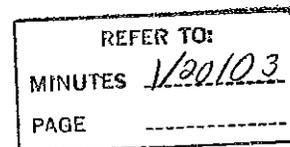
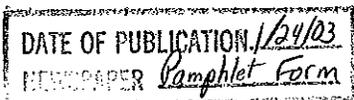
**Adopted by the
City Council
of the
City of St. Charles
January 20, 2003**

**Published in pamphlet form by
authority of the City Council
of the City of St. Charles,
Kane and Du Page Counties,
Illinois, January 24, 2003**



City Clerk





ORDINANCE NO. 2003-M-5

PRESENTED AND PASSED BY THE
CITY COUNCIL ON January 20, 2003

AN ORDINANCE AMENDING CHAPTER 15.04 "BUILDING CODE" and
CHAPTER 15.04 "PLUMBING CODE"
OF THE ST. CHARLES MUNICIPAL CODE
(Adoption of 1998 Illinois Plumbing Code)

Whereas, not less than three copies of the 1998 Edition of the Illinois Plumbing Code published by the Illinois Department of Public Health have been and are on file in the Office of the Clerk of the City of St. Charles, Illinois for more than thirty (30) days prior to the passage and approval of this Ordinance; and

Whereas, the Building and Zoning Commissioner has provided notice to the Illinois Building Commission regarding proposed changes to regulations regarding construction related activities within the City of St. Charles, as provided by 20 ILCS 3918/55; and

Whereas, the City Council finds it to be in the interest of City of St. Charles to periodically update codes regulating plumbing.

Now, therefore, be it ordained by the City Council of the City of St. Charles, Kane and DuPage Counties, Illinois as follows:

Section 1. That Title 15, "Buildings and Construction", Chapter 15.04 "Building Code" of the St. Charles Municipal Code be and is hereby amended by deleting Section 15.04.050 and substituting the following therefor:

"15.04.050 Plumbing Code: Adopted – Modifications

The provisions of the 1998 Edition of the Illinois Plumbing Code compiled by the Illinois Department of Public Health are hereby adopted together with the amendments listed below modifying said Illinois Plumbing Code, as the regulations governing the installation of plumbing in and around buildings within the jurisdiction of the City of St. Charles.

Amendments to the Illinois Plumbing Code – 1998 Edition.

1. Section 890.170 – Revise to read:

“Section 890.170 ‘Sewer and/or Water Required’

Each building which is intended for human habitation or occupancy shall have a connection to a public water system and a connection to a public sewer system. Provided, however, that if a public water or public sewer system is not available and accessible within two-hundred (200’) feet of the property line of the structure to be served, as determined by the Building and Zoning Commissioner, the owner may connect to a private water well constructed in accordance with the requirements of Illinois Water Well Construction Code 77 Illinois Administration Code 920 and the St. Charles Municipal Code, Title 13 “Public Utilities”, Chapter 13.16 “Water”; and/or a private sewage disposal system constructed in accordance with the requirements of the 77 Illinois Administration Code 905 and the St. Charles Municipal Code, Title 13 “Public Utilities”, Chapter 13.12 “Sewer”. All installations shall be in accordance with applicable state and local laws, ordinances, resolutions, rules and regulations and codes.”

2. Section 890.320 “Type of Joints” paragraph “e”, revise to read:

“e) Flared joints. Flared joints for soft copper water tubing shall be made with approved fittings. The tubing shall be expanded with a proper flaring tool. (See Appendix C: Illustration B.)”

3. Section 890.320 “Type of Joints” paragraph “1” “Plastic pipe joints”, revise paragraph 2 and its subparagraphs A, B and C to read:

“2) Joints and Fittings in Plastic Pipe. Fittings and joints shall be in accordance with the manufacturer’s recommendations subject to the following:

- A) Polyethylene (PE) pipe shall be installed only with insert and clamp type fittings or thermal welded joints and fittings. All clamps shall be of corrosion resistant material. The inside diameter (I.D.) of any insert fitting will not be allowed to be below the minimum allowable size for water service/distribution piping.
- B) Polyvinyl chloride (PVC) pipe shall be installed with solvent welded or flanged joints only. The pipe shall not be threaded. Transition to metallic or other piping shall be

made with the use of approved adapter fittings. The fittings shall be molded from the same basic material as the pipe. The solvent cement used shall be specific for polyvinyl chloride piping.

- C) Polybutylene (PB) pipe shall be installed only with compression type, flanged type, or thermal welded joints and fittings. All clamps shall be of corrosion-resistant materials. The inside diameter (I.D.) of any insert fitting shall not be less than the minimum allowable size for water service/distribution piping.”

- 4. Section 890.510 “Grease interceptor requirements” Add a paragraph “c” as follows:

- “c) Residential Units. A grease interceptor is not required for individual dwelling units or any private living quarters.”

- 5. Section 890.520 “Gasoline, Oil and Flammable Liquids” revise the first paragraph to read:

“Interceptors/Separators Required.

All facilities which generate oil and/or flammable waste shall be provided with floor drains or trench drains connected to an approved gas and oil interceptor. All buildings with overhead service doors shall have floor drains servicing same to proper size interceptor and all residential garages with floor drains shall have proper size interceptor regardless of size of garage.

Enclosed loading docks, commercial vehicle storage or repair garage and gasoline stations with grease racks or pits and all facilities that have oil and/or flammable waste shall be provided with floor drains. Floor drains provided for such areas shall be intercepted by an approved interceptor or a series of three (3) basins before discharging into the building drainage system and shall be of cast iron or equally durable materials. Each interceptor or basin shall be provided with a heavy metal cover that shall be bolted into place and made gas and water tight with a soft metal gasket. Each interceptor and, if provided with separate compartments, each compartment and basin shall be provided with a vent of not less than two (2”) inches. Two or more

vents may be connected to a header that shall be six (6") inches or higher than the lowest floor drain served. The vent shall extend independently to the outer air. The outlet of an interceptor or each basin shall have a seal of not less than eighteen (18") inches. The inlet of the interceptor or the first basin shall be trapped, except when floor drains are individually trapped. In areas of garages where motor fuels are dispensed or where motor vehicles are serviced, each floor drain shall be properly trapped. Floor drains above the level of the interceptor or basins shall connect to a stack extending independently to the outer air.

Where it is required by this Section to have interceptors/separators, individual units shall be installed and maintained as a single user system. The interconnecting of piping from one (1) building to another or from one (1) unit to another where such units are separated by an approved firewall assembly is prohibited."

(No change to paragraphs a through e following.)

6. Section 890.630 "Installation" add a paragraph "h" as follows:

"h) A safe pan is required for second floor washer and water heater installations and above ceiling water heater and furnace installations."

7. Section 890.1130 (d): Add a paragraph (4) as follows:

"4. The installation of a fire safety system involving the potable water system shall be in accordance with NFPA Standard No.13 (1975) and the potable water supply system shall be protected against backflow or back siphonage by a minimum of a double check valve assembly. If a fire department connection is part of the fire safety system; the potable water supply system must be protected by an approved backflow device."

8. Section 890.1310 "Materials": Add a paragraph "c" as follows:

"c) PVC SCH 40 Polyvinyl chloride PVC pipe and fittings ASTM D2665-1988, ASTM D2949-1987 are permitted only for underground plumbing for one and two family dwellings and townhouses. Underground plumbing for drainage systems for

multi-family, commercial, and industrial buildings shall be cast iron.”

9. Section 890.1320 “Drainage System Installation”: Revise paragraph (a) to read:

“a) Drain – Filled Ground. All building drains installed in filled ground shall be ductile iron or cast iron.”

10. Section 890.1320 “Drainage System Installation”: Add paragraphs “o” and “p” as follows:

“o) Underground plumbing must have proper support and anchor system.

p) Compliance with the St. Charles Municipal Code, Title 13 “Public Utilities”, Chapter 13.12 “Sewer”, Section 13.12.201 “Overhead Sanitary Sewers” is required.”

11. Section 890.1340 “Determination of Sizes for Drainage System”, paragraph (b), revise to read:

“b) Minimum Size of Building Drain, Horizontal Branches, Drainage Piping

1. The minimum size of any gravity building drain shall be four (4) inches in diameter.
2. Pressure building drains shall not be used where gravity drains may be installed. Pressure building drains shall be sized in accordance with the ejector pump manufacturer's recommendation but shall not be less than two (2) inches in diameter.
3. Gravity drained horizontal branches of the building drain shall be sized in accordance with Appendix A, Table H.
4. No portion of the drainage system installed underground or below a basement or cellar shall be less than four (4) inches in diameter.
5. The drainage piping shall not be reduced in size in the direction of flow.”

12. Section 890.1340 "Determination of Sizes for Drainage System", add a paragraph "f" as follows:
 - "f. Minimum Size of Stack Vent. Each structure in which building drains are installed shall have one (1) stack vent not less than three (3") inches in diameter. The stack vent shall be increased by one size through the roof, but in no case shall any vent be less than four (4") inches where it passes through the roof to the outside atmosphere. See Appendix A, Table H."

13. Section 890 Appendix A "Plumbing materials, equipment, use restrictions and applicable standards":
 - A. In Table A under "Approved Materials for Water Service Pipe" insert:

"Type L and K above ground
Type K below ground"

 - B. In Table A under "Approved materials for building sewer" insert:

"Sanitary Sewer PVC SCH 40 Polyvinyl chloride PVC pipe and fitting ASTM D2665-1988, ASTM D2949-1987"

 - C. In Table A under "Approved building drainage/vent pipe" delete item 12, "Polyvinyl Chloride (PVC) pipe with cellular core" as a permitted material, and delete Agency note (4)."

Section 2. That the provisions of Chapter 15.32. "Plumbing Code" shall be deleted in their entirety.

Section 3. That after the adoption and approval hereof the Ordinance shall (A) be printed or published in book or pamphlet form, published by the authority of the City Council, or (B) within thirty (30) days after the adoption and approval hereof, be published in a newspaper in and with a general circulation within the City of St. Charles.

Presented to the City Council of the City of St. Charles, Illinois this 20th day of January, 2003.

Passed by the City Council of the City of St. Charles, Illinois this 20th day of
January, 2003.

Approved by the Mayor of the City of St. Charles, Illinois this 20th day of
January, 2003.



Mayor

Attest:




City Clerk

Approved as to Form:



City Attorney

Date: 1/20/03

Council Vote:

Ayes: 10
Nays: 0
Abstain: 0
Absent: 0

State of Illinois)
)
) ss.
Counties of Kane and DuPage)

Certificate

I, KRISTIE A. NEPHEW, certify that I am the duly elected and acting municipal clerk of the City of St. Charles, Kane and DuPage Counties, Illinois.

I further certify that on January 20, 2003, the Corporate Authorities of such municipality passed and approved Ordinance No. 2003-M-5, entitled

"An Ordinance Amending Chapter 15.04,
"Building Code," and Chapter 15.04,
"Plumbing Code," of the St. Charles Municipal Code
(Adoption of 1998 Illinois Plumbing Code),"

which provided by its terms that it should be published in pamphlet form.

The pamphlet form of Ordinance No. 2003-M-5, including the Ordinance and a cover sheet thereof was prepared, and a copy of such Ordinance was posted in the municipal building, commencing on January 24, 2003, and continuing for at least ten days thereafter. Copies of such Ordinance were also available for public inspection upon request in the office of the municipal clerk.

DATED at St. Charles, Illinois, this 20th day of January, 2003.


Municipal Clerk

