

10/9/96

113 -O-96

AN ORDINANCE

Adopting the State of Illinois Plumbing Code
by Reference and
Amending Title 4, Chapter 6, of the City Code

WHEREAS, the City Council of the City of Evanston considers it in the public interest to adopt as its standard for construction, alteration and installation of plumbing work, the State of Illinois Plumbing Code, 225 ILCS 320/35, et seq., as it may from time to time be amended, and

WHEREAS, the City Council of the City of Evanston has caused three (3) copies of the aforesaid code to be kept on file in the office of the City Clerk for public inspection for a period of more than thirty (30) days prior to the adoption of this ordinance;

NOW THEREFORE, be it ordained by the City Council of the City of Evanston, Cook County, Illinois:

SECTION 1: That existing Section 4-6-1 of the City Code of the City of Evanston, 1979, as amended, is hereby deleted with a new Section 4-6-1 substituted therefor, to read as follows:

4-6-1: ADOPTION OF THE STATE OF ILLINOIS PLUMBING CODE:

- (A) Pursuant to the authority granted by Chapter 65, Section 5/1-2-4 of the Illinois Compiled Statutes and pursuant to its home rule powers, the City of Evanston hereby adopts by reference the State of Illinois Plumbing Code, 225 ILCS 320/35, et seq., which Code shall be used with the below-stated new sections, revisions, and deletions to govern the issuance of permits and the standards of performance and materials for the construction, alteration, and installation of plumbing work in the City of Evanston.

- (B) Any reference to "administrative authority, or building official" shall mean the Director of Community Development of the City of Evanston. Any reference to "municipality" shall mean the City of Evanston.
- (C) The following are additional requirements to the State of Illinois Plumbing Code:
- (1) General: Where a health or safety hazard exists on a premises by reason of an existing plumbing installation, or lack thereof, the owner's agent shall install additional plumbing or make such corrections as are necessary to abate such nuisance and bring the plumbing installation within the provisions of this Code. Plumbing fixtures not maintained shall be disconnected, removed and sealed.
 - (2) Safety: Any part of a structure or premises which is changed, altered or required to be replaced as a result of the installation, alteration, renovation or replacement of a plumbing system, or any part thereof, shall be left in a safe, nonhazardous condition. All penetrations through fire-rated construction shall be fire-stopped with approved through-penetration protection system.
 - (3) General: All plumbing installed within the City of Evanston shall be installed in accordance with the State of Illinois Plumbing Code. That, if required by the State of Illinois Plumbing Code, or in the judgement of the Superintendent of Water, an approved backflow prevention device is necessary for the safety of the public water supply system, the Superintendent of Water will give notice to the property owner or person in charge of the building structure, or premises to install such an approved device immediately. The property owner, or person in charge of the building, structure or premises shall, at his own expense, immediately install such an approved device at a location and in a manner in accordance with the State of Illinois Plumbing Code; Illinois Environmental Agency Rules and Regulations, title 35: Environmental Protection, subtitle F: Public Water Supply, chapter I: Pollution Control Board, part 607: Operation and Record Keeping, section 607.104: Cross Connections; and all applicable local regulations, and shall have inspections and tests made of such approved devices upon installation and annually thereafter, at a minimum. The property owner or person in charge of the building, structure, or premises shall maintain records to document that testing, servicing, and repairs are conducted as required.
 - (4) It shall be the duty of the Superintendent of Water to cause surveys and investigations to be made of industrial and other properties served by the public water supply to determine whether actual or potential hazards to the public water supply may exist. Such surveys and investigations shall be made a matter of public record and shall be repeated at least every two years, or as often as the Superintendent of Water shall deem necessary. Records os such surveys shall be maintained and available for public review for five years. (Ord. 86-0-89)

- (5) That the Superintendent of Water is hereby authorized and directed to discontinue, after reasonable notice to the property owner or person in charge of the building, structure, or premises in question, the water service to any property wherein any connection in violation of the provisions of this Chapter is known to exist, and to take such other precautionary measures as he may deem necessary to eliminate any danger of contamination of the public water supply distributions mains. Water service to such property shall not be restored until such conditions have been eliminated or corrected in compliance with the provisions of this Chapter, and until the cost and expense of the City of cutting off and again turning on such water supply shall have been paid by such property owner, occupant or person in possession, charge or control. Immediate disconnection upon verbal notice can be effected when the Superintendent of Water is assured that imminent danger of harmful contamination of the public water supply system exists. Such action shall be followed by written notification of the cause of disconnection. Immediate disconnection without notice to any party can be effected to prevent actual or anticipated harmful contamination or pollution of the public water supply, provided that, in the reasonable opinion of the Superintendent of Water or the Illinois Environmental Protection Agency, such action is required to prevent actual or potential harmful contamination or pollution of the public water supply. Neither the City, the Superintendent of Water, or its agents or assigns shall be liable to any property owner, person in charge, or occupant of the building, structure, or premises for any injury, damages or lost revenues which may result from termination of said water supply in accordance with the terms of this Chapter, whether or not said termination was with or without notice.
- (6) That an approved cross-connection control device inspector who shall be a licensed plumber, shall have a right to enter at any reasonable time any property served by a connection to the public water supply or distribution system of the City for the purpose of verifying information submitted by the property owner or person in charge of the building, structure, or premises regarding the required cross-connection control inspection. On demand, the property owner or person in charge of the building, structure, or premises so served shall furnish to the Superintendent of Water, his authorized agent, or approved cross-connection control device inspector any information which these individuals may request regarding the piping system or systems or water use on such property. The Superintendent of Water or his authorized agent shall have a right to enter at any reasonable time any property served by a connection to the public water supply or distribution system of the City for the purpose of verifying information submitted by the property owner or person in charge of the building, structure, or premises regarding the required cross-connection inspection. The refusal to provide such information or refusal of the right of entry when demanded, shall, within the discretion of the Superintendent of Water, be deemed evidence of the presence of improper connections as prohibited by the Chapter. (Ord. 137-0-89)

- (7) That the occupant, property owner or person in charge of the building, structure, or premises responsible for backsiphoned material or contamination of the potable water supply system occurs through an illegal cross-connection or an improperly installed, maintained, or repaired device, or a device which has been bypassed, must bear the cost of clean-up of the potable water supply system. Said costs to include by not be limited to, overhead and administrative costs of the City and any other costs reasonable incurred by the City in the clean-up. (Ord. 86-0-89)
- (8) General: Every plumbing fixture, drain, appliance or appurtenance thereof which is to receive water or waste, or discharge any liquid wastes or sewage, shall discharge to the sanitary drainage system of the structure in accordance with the requirements of this code. All window wells require drains. The drains shall be connected to drain tile, and drain into sump. A pan or receptor with a drain, or an impervious floor with a floor drain, shall be required for all automatic clothes washing machines in multi-family and commercial occupancies.
- (9) Underground piping: Piping installed in underground plumbing systems shall be protected from structural damage by an approved method of installation which accounts for the conditions of the installation and application and the type of piping material. In new construction, all plumbing shall be overhead.
- (10) Corrosion: Pipe subject to corrosion by passing through or under corrosive fill including, but not limited to, cinders, concrete or other corrosive material, shall be protected against external corrosion by a protective coating, wrapping, or other means that will resist such corrosion. All copper pipe shall be adequately protected against galvanic action by proper insulation against contact with other metals.
- (11) Freezing. Water service piping shall be installed below recorded frost penetration but not less than FIVE (5) feet ZERO (0) inches below grade. In climates with freezing temperatures, plumbing piping in exterior building walls or areas subjected to freezing temperatures shall be protected against freezing by insulation or heat or both.
- (12) Sewer depth: Building sewers shall be a minimum of four feet, zero inches (4'-0") below grade.
- (13) Water service pipe: Water service pipe shall conform to one of the standards listed in Section 890. Appendix A, Table A. All water service pipe or tubing to be ductile iron, cast iron, copper pipe, or type K copper tube.
- (14) Water distribution pipe: Water distribution pipe shall conform to one of the standards listed in Section 890. Appendix A, Table A. All water distribution pipe is to be metallic. Non-metallic pipe is prohibited and is deleted from Section

890.Appendix A, Table A. Copper pipe must be type L.

- (15) **Building sewer pipe:** Building sewer pipe shall conform to one of the standards listed in Section 890.Appendix A, Table A. Building sewer, in a separate trench from the water service, shall be limited to cast iron, concrete, vitrified clay tile, plastic pipe (type SDR 26 only) or ductile iron pipe. Section 890.Appendix A, Table A is revised accordingly as to such sewer pipe. The building (house) drain to be cast iron with rubber gaskets joints or lead and oakum joints, or in cases of corrosive waste or soil conditions use polypropylene pipe (PVC) clear pipe or polyvinyl chloride pipe and fittings, for a minimum distance of five feet, zero inches (5'-0") from the foundation (building) wall.
- (16) **Building sewer pipe in trench with water service:** Where the building sewer is installed in the same trench as the water service, as provided for in Section 890.Appendix A, Table A, the building sewer pipe shall conform to one of the standards for cast-iron pipe, copper or copper-alloy tubing, or PVC plastic pipe listed in Section 890.Appendix A, Table A. No cell core plastic pipe shall be permitted.
- (17) **Subsoil drain pipe:** Subsoil drains shall be open-jointed, horizontally split or perforated pipe. Footing drains to be connected to the sump pump as discharge shall be made to storm or combination sewers, and not to sanitary sewers.
- (18) **Roof Drains:** Roof Drains shall conform to ASME A112.21.2. Buildings in R-1, R-2 and R-3 Zoning Districts, and ALL one-and two-family dwelling units shall drain roof storm water by gutters and downspouts to front and rear of property in a manner which will not disturb adjoining property. No connections to the combined sewer shall be made in the above zoning districts. All roofs of building not mentioned above may drain directly in the storm sewer system.
- (19) **Car Wash Facilities:** New car wash facilities or replacement of existing facilities shall be equipped with water recycling systems, unless designed to use thirty (30) gallons or less of water per wash.
- (20) **Reduced pressure principle backflow preventers:** Reduced pressure principle backflow preventers shall conform to ASSE 1013. AWWA C511 or CSA CAN/CSA-B64.4. These devices shall be permitted to be installed where subject to continuous pressure conditions. The relief opening shall discharge by air gap and shall be prevented from being submerged. All domestic and fire suppression water systems located within 1700 feet of a non-potable water source and all fire safety systems that contain such additives as antifreeze, shall be equipped with a reduced pressure principle backflow preventer (RPZ).

SECTION 2: That section 4-6-2, relating to Car Wash Facilities, is hereby deleted.

SECTION 3: That section 4-6-3, relating to Nonmetallic Pipe Materials in Water Service, is hereby deleted.

SECTION 4: That section 4-6-4 is hereby renumbered as section 4-6-2, with following sections renumbered appropriately.

SECTION 5: That existing section 4-6-6, hereby renumbered as 4-6-3, is amended as follows:

4-6-4 Penalty: Any person who shall install, extend, alter, repair or maintain plumbing systems in or adjacent to buildings except in conformity with the provisions of the State of Illinois Plumbing Code, as adopted and modified by this Ordinance, shall be guilty of a violation punishable by a fine of not less than fifty dollars (\$50.00) nor more than five hundred dollars (\$500.00) for each offense. A separate offense shall be deemed committed for each day that an offense continues. (Ord. 108-0-87).

SECTION 6: All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 7: This ordinance shall be in full force and effect from and after its passage, approval, and publication in the manner provided by law.

Introduced: October 14, 1996

Adopted: December 16, 1996

Approved: December 16, 1996

Lorraine H. Norton
Mayor

ATTEST:

Kristen Davis
City Clerk

Approved as to form:

[Signature]
Corporation Counsel

