

## MEMORANDUM

**DATE:** January 1, 2003

**TO:** Plumbers Working in the City of Prospect Heights

**FROM:** Steve Skiber, Director of Building and Zoning §§

**RE:** Amendments to the Plumbing Code Effective 2/26/99

As you will note from the attached, effective February 26, 1999, we amended the plumbing code and requirements for wells. If you have any questions regarding these amendments, please contact me at 847/398-6070, extension 204

SS/lm

**City of Prospect Heights**  
**Amendments to 1993 Illinois Plumbing Code**  
**Adopted: 2/26/99**

**225 ILCS 320 License Law**

Does include water wells, casings, drop pipe.  
Does include water softening, filtering, reverse osmosis systems  
installation, repair service.

**Part 750.3050 License & Code**

All employees performing plumbing work in Prospect Heights shall be  
licensed plumber or apprentice - see LC/750-13 (c)

**Part 890 Definitions & General Regulations**

Extracted joints will not be allowed.

Shielded couplings shall not be used.

1. Inside perimeter & above grade.

**Section 890.110      Part 890 General Regulations**

- a) Authority  
These rules are promulgated pursuant to authority granted by Section 35 of the  
Illinois Plumbing License Law (Ill. Rev. Stat. 1991, ch. 111, par. 1133) (225 ILCS  
20/35).
- b) Applicability  
These rules govern the design and installation of new plumbing or plumbing  
systems and the alteration of plumbing systems. They apply to all new  
construction and any remodeling or renovation that alters, renovates or replaces existing  
plumbing systems. These rules do not apply to existing buildings unless the  
plumbing system is being altered, the building use is being changed or the existing  
plumbing creates a health or safety hazard.
  - 1) If an existing building is changed from one use to another or from one  
classification to another, as provided in Appendix A, Table B, it shall be  
treated as a new building and shall comply with the requirements of this  
Part for its new use or occupancy.

- 2) Regardless of the age of the building, where a health or safety hazard exists because of an existing plumbing installation or lack thereof, the owner or his agent shall install additional plumbing or make such corrections as may be necessary to abate the hazard or violation of this Part.
- 3) Any building under permit shall have sanitary and storm sump pumps and basins meet or exceed current code.

**Section 890.330 (c) Special Joints**

In drainage and water, slip joints may be used on the inlet side of the trap or in the trap seal, and on the exposed fixture supply. Slip joints shall not be used in any inaccessible piping.

**Section 890.340 (f)**

Amend to read below slab joints inside perimeter on soft copper tubing shall be flared or silver soldered.

**Section 890.520 (f) Gasoline, Oil and Flammable Liquids**

A floor drain that is connected to an approved interceptor is required in all uses where there is an overhead garage type door.

**Section 890.1010 (d) Swimming Pools**

11 -1 Deck drain waste water shall be minimum 4" SV Hub and spigot cast iron open sited.

**890.1190 (a)**

Install valve on both inlet and outlet side of meter with inlet valve being as near meter as possible.

(b) An inlet valve will be required.

**890.1200**

Water service pipe and fittings shall be at least one (1") inch diameter.

**J-4 890.1340 (4)**

No portion of drainage system installed underground on below a basement or slab shall be less than 4" SV Hub and spigot cast iron for waste and 2" for vent.

**890.1360 (a) (1)**

Minimum vent size 2"

**890.1370 Floor Drains**

3. (C) Floor drains shall be at maximum depth to insure cleaning 18" to invert outlet

**890.1430 (c)**

Amend to read 5 feet over or 12 feet from

**890.1580 (a)**

Amend to read any toilet venting independently to atmosphere shall have minimum 3" vent with increaser. No wet venting will be allowed.

(B) Size of individual vents: The diameter of any individual vent may not be less than two (2") diameter. Horizontal waste line may not rise over 2.5 times pipe diameter from vent tee to trap.

**890.A Amend Minimum Water Distribution Pipe Size**

Type "L" copper with no lead solder (No "M" or plastic water lines)

- Whirlpool Deck Faucets 3/4
- Lavatory 1/2
- Water Closet (tank type) 1/2
- Basement mains 1" minimum 1/2" 10' maximum
- Exception: Hot water return line
- Ice maker lines
- Humidifier lines

**890.A E Drainage Fixture Units**

Amend to read

Bath tub with or without overhead shower

- Minimum size of trap 2"
- Whirlpool 2"
- Floor drains
- Laundry Rooms when above ground 2"
- All others 4"

**Table J**

Amend to read  
Diameter of vent stacks 3" minimum

**Section 890.1310 Materials**

a) General Piping, tubing, and fittings for drainage systems shall comply with the following:

- 1) Service Connection Pipe
- A) Vitrified clay pipe - extra strength, ASTM C700.

- B) Reinforced concrete pipe - circular reinforcement, minimum Class 3, ASTM C76, with epoxy lining.
- C) ABS composite pipe - ASTM D2680 for eight (8) inch and larger, and ASTM D2751 for six (6) inch.
- D) Ductile iron pipe - ANST A21.51 (AWWA C151), polyethylene lined.
- E) Overhead Plumbing

All new buildings with basements, floors, rooms or occupancy areas below ground level at the building site and served by a public or a private sewer system shall have overhead plumbing. No sanitary opening directly to sewer below grade.

### **15.12030 Downspouts and Sump Pump Discharges**

**A. New Connections and New Construction.** Except as set forth in subsection B of this section, the following requirements for new connections and new construction apply:

1. Downspouts.
  - a. All downspouts or roof drains shall discharge onto the ground or be connected to a storm sewer. No downspouts or roof drains shall be connected to the sanitary sewer.
  - b. A downspout or roof drain shall be terminated no more than 10' from the building or not closer than 15' from side or rear property line.
2. Footing Drains. Footing drains shall be connected to sump pumps.
3. Floor Drains. Floor drains in basements shall be connected to a sealed, vented basin with a sump pump and discharge to the sanitary sewer with a check and gate valve.
4. Sump Pumps.
  - a. Sump pumps installed to receive and discharge groundwaters or other stormwaters shall be connected to the storm sewer (see note\*) or discharged over land terminating no more than 10' from the building, however, it may not discharge closer than 15' from side or rear property line. Sump pumps installed to receive and discharge floor drain flow or other sanitary sewage shall be connected to the sanitary sewer. A sump pump shall be used for one function only, either the discharge of stormwaters or the discharge of sanitary sewage.
  - b. Sump pump discharges to the storm sewer system shall be a conduit of four inch minimum diameter P.V.C. pipe, smooth interior, at a minimum slope of one percent, and a minimum depth from finished grade to the top of pipe of eighteen inches.

**B. Existing Stormwater Sump Pump Discharges.** The discharge piping from existing sump pumps installed to receive and discharge groundwaters or other stormwaters shall be

terminated no more than 10' from the building or no closer than 15' from the side or rear yard.

**C. Unlawful Discharge.** It is unlawful to cause or permit the discharge from any sump pump, downspout or roof drain to flow on public streets or across sidewalks.

Note\*: Any sump pump or downspout discharging into a storm sewer shall have an air gap installed at the connection to the house. Connection to existing storm sewer shall be made at a storm structure or preformed tee and requires a \$1,000 cash bond to the City of Prospect Heights and an inspection made by the Engineering Department prior to backfill.