

**AMENDMENTS
TO
CITY OF CHICAGO
PLUMBING CODE**

FEB. 27, 2002



Compliments of the Plumbing Council of Chicagoland

SUBSTITUTE
ORDINANCE

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHICAGO

SECTION 1. Chapter 18-29 of the Municipal Code of Chicago is hereby amended by deleting Table 18-29-1102.4 in its entirety, as follows:

[TABLE 18-29-1102.4
BUILDING STORM SEWER PIPE

| MATERIAL | STANDARD |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Acrylonitrile butadiene styrene (ABS) plastic pipe | ASTM D 2661; ASTM D 2751; ASTM F 628 |
| Asbestos-cement pipe | ASTM C 428 |
| Cast-iron pipe | ASTM A 74; ASTM A 888; CISPI 301 |
| Concrete pipe | ASTM C 14; ASTM C 76; CSA A251.1; CSA CAN/CSA A257.2 |
| Copper or copper-alloy tubing (Type K, L, M, or DWV) | ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 306 |
| Polyvinyl chloride (PVC) plastic pipe (Type DWV, SDR26, SDR35, SDR41, PS50 or PS100) | ASTM D 2665; ASTM D 3034; ASTM F 891; CSA-B182.2; CSA CAN/CSA-B182.4 |
| Vitrified clay pipe | ASTM C 4; ASTM C 700] |

SECTION 2. Chapter 18-29 of the Municipal Code of Chicago is hereby amended by inserting new sections 18-29-106.1 and 18-29-106.2, as follows:

18-29-106.1 Permits. No permit shall be issued for the installation of plumbing except to a licensed registered plumbing contractor duly bonded with the City of Chicago. Nothing in this

section prohibits a licensed structural engineer or a licensed architect from planning and designing plumbing systems. Nothing in this section prohibits the owner or lessee occupant of a single-family residence from himself planning, installing, altering or repairing the plumbing system of such residence; provided, however, that such plumbing shall comply with all plumbing laws, rules and regulation applicable thereto and shall be subject to inspection as may be therein provided; and provided further that any such owner or lessee may not employ any person other than a licensed registered plumbing contractor to assist him in such work. Nothing in this section prohibits a licensed drainlayer from installing or repairing subsoil drain pipe or a building sewer without being a licensed registered plumbing contractor, except for work involving iron pipe or iron fittings.

The approval and permit of the department of buildings shall be withheld until all permits have been issued by the departments of water or sewers or other authorized departments.

18-29-106.2 License required. No plumbing installed in violation of this code shall be approved by any department. Except for minor repairs, the Commissioners of Buildings, Water and Sewers shall not approve any plumbing work unless the plumbing contractor installing such work has a plumbing license and is bonded with the City of Chicago, or unless such journeyman plumber has in effect a license, or unless each plumber's apprentice employed in such installation is registered as a plumber's apprentice, as required by Chapter 1(4-332) of this code. Nothing in this section prohibits a licensed drainlayer from installing or repairing subsoil drain pipe or a building without being a licensed registered plumbing contractor, except for work involving iron pipe or iron fittings.

SECTION 3. Chapter 18-29 of the Municipal Code of Chicago is hereby amended by inserting the language underscored and deleting the language bracketed in various sections and tables, as follows:

18-29-305.6.1 Sewer depth.

The b[B]uilding sewers shall [have a minimum cover of 60 inches (1525 mm)] be installed with a minimum of 36inches (915 mm) of cover, where feasible.

**TABLE 18-29-308.5
HANGER SPACING**

| PIPING MATERIAL | MAXIMUM HORIZONTAL SPACING ([inches] <u>feet</u>) | MAXIMUM VERTICAL SPACING (feet) |
|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------|
| Brass pipe | 10 | 15 |
| Cast-iron pipe ^a | 5 | 15 |
| Copper or copper-alloy pipe | 12 | 10 |
| Copper or copper-alloy tubing, 1¼-inch diameter and smaller | 6 | 10 |
| Copper or copper-alloy tubing, 1½-inch diameter and larger | 10 | 10 |
| PVC pipe | 4 | 4 |

For **SI**: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

^a The maximum horizontal spacing of cast-iron pipe hangers shall be increased to 10 feet where 10-foot lengths of pipe are installed.

18-29-312.9 Cross Connection control device inspections.

The Department of Water shall inspect backflow prevention assemblies to determine proper installation including testing by a licensed Cross Connection Control Device

Inspector. Reduced pressure principle backflow preventer assemblies, double check-valve assemblies, double-detector check-valve assemblies and pressure vacuum breaker assemblies shall be tested at minimum, annually, the results of annual tests shall be reported within 30 days of tests to the Department of Water. In the event of test failure, immediate notification must be made to the Department of Water and remedial action taken to prevent the contamination of the potable water supply. The testing procedure shall be performed in accordance with one of the following standards:

ASSE 5010-1013-1, Sections 1 & 2

ASSE 5010-1015-1, Sec. 1 & 2

ASSE 5010-1015-2

ASSE 5010-1015-3, Sec. 1 & 2

ASSE 5010-1015-4, Sec. 1 & 2

ASSE 5010-1020-1, Sec. 1 & 2

ASSE 5010-1047-1, Sec. 1, 2, 3 & 4

ASSE 5010-1048-1, Sec. 1, 2, 3 & 4

ASSE 5010-1048-2

ASSE 5010-1048-3, Sec. 1, 2, 3 & 4

ASSE 5010-1048-4, Sec. 1, 2, 3 & 4

CSA B64.1.

TABLE 18-29-403.1

MINIMUM NUMBER OF PLUMBING FACILITIES ^a

| OCCUPANCY/USE | | WATER CLOSETS (Urinals, see Section | | LAVA-TORI-ES | BATHTUB/SHOWERS | DRINKING FOUNTAINS (See Section 410.1) | OTHERS |
|------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------|-----------------------|----------------------------------------|--------------------------|
| | | Male | Female | | | | |
| ASSEMBLY | Restaurants & Nightclubs (more than 100) | 1 per each 30 to 90 1 per each 50 above 90 | 1 per each 25 up to 100 1 per each 30 above 100 | 1 per 50 | — | 1 per 500 | 1 service sink |
| | Theaters, halls, museums, coliseums, arenas, etc. | 1 per each 30 up to 60 1 per each 70 between 61 and 340 1 per each 100 above 340 | 1 per each 15 up to 60 1 per each 30 between 61 and 340 1 per each 50 above 340 | | — | 1 per 1,000 | 1 service sink |
| | Churches ^b | 1 per each 30 up to 90 1 per each 50 above 90 | 1 per each 20 up to 100 1 per each 25 above 100 | | — | 1 per 1,000 | 1 service sink |
| | Stadiums, etc. (open air) | 1 per each 60 up to 240 1 per each 100 between 241 and 1040 1 per each 150 above 1040 | 1 per each 30 up to 240 1 per each 50 between 241 and 1040 1 per each 75 above 1040 | 1 per 50 | — | 1 per 1,000 | 1 service sink |
| | <u>Health Club</u> | <u>1 per each 30 up to 90</u> <u>1 per each 50 above 90</u> | <u>1 per each 25 up to 100</u> <u>1 per each 30 above 100</u> | <u>1 per 50</u> | | <u>1 per 500</u> | <u>1 service sink</u> |
| Business (see Sections 403.2, 403.4 and 403.5) | | 1 for first 10 2 for 11-25 1 additional for each 25 in excess of 25 | | 1 per 40 | — | 1 per 100 | 1 service sink |
| Educational | | | | | — | 1 per 100 | 1 service sink |
| Factory and industrial | | | | | (see Section 411) | 1 per 400 | 1 service sink |
| High hazard (see Sections 403.2 and 403.4) | | | | | (see Section 411) | 1 per 1,000 | 1 service sink |
| INSTITUTIONAL | Residential care | 1 per 10 | | 1 per 10 | 1 per 8 | 1 per 100 | 1 service sink |
| | Hospitals, ambulatory nursing home patients ^c | 1 per room ^d | | 1 per room ^d | 1 per 15 | 1 per 100 | 1 service sink per floor |
| | Day nurseries, sanitariums, non-ambulatory nursing home patients, etc. ^c | 1 per 15 | | 1 per 15 | 1 per 15 ^e | 1 per 100 | 1 service sink |
| | Employees, other than residential care ^c | 1 per 25 | | 1 per 35 | — | 1 per 100 | — |
| | Visitors, other than residential care | 1 per 75 | | 1 per 100 | — | 1 per 500 | — |
| | Prisons ^c | 1 per cell | | 1 per cell | 1 per 15 | 1 per 100 | 1 service sink |
| | Asylums, reformatories, etc. ^c | 1 per 15 | | 1 per 15 | 1 per 15 | 1 per 100 | 1 service sink |

| OCCUPANCY/USE | WATER CLOSETS (Urinals, see Section | | LAVA-TORI-ES | BATHTUB/SHOWERS | DRINKING FOUNTAINS (See Section 410.1) | OTHERS |
|---------------|-------------------------------------|--------|--------------|-----------------|----------------------------------------|--------|
| | Male | Female | | | | |

| | | | | | | | |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|------------------------|------------------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| M E R C A N T I L E | Mercantile—Stores, malls, etc. (see Sections 403.2, 403.4 and 403.5) | 1 per each 25 up to 100 1 per each 40 above 100 | 1 per each 15 up to 90 1 per each 25 above 90 | 1 per 40 | — | 1 per 1,000 | 1 service sink |
| | Mercantile—Restaurants & nightclubs of 100 or less (see Sections 403.2, 403.4 and 403.5) | 1 per each 30 to 90 1 per each 50 above 90 | 1 per each 25 up to 100 1 per each 30 above 100 | 1 per 50 | — | 1 per 500 | 1 service sink |
| R E S I D E N T I A L | Hotels, motels | 1 per guestroom | | 1 per guestroom | 1 per guestroom | — | 1 service sink |
| | Lodges | 1 per 10 | | 1 per 10 | 1 per 8 | 1 per 100 | 1 service sink |
| | Multiple family | 1 per dwelling unit | | 1 per dwelling unit | 1 per dwelling unit | — | 1 kitchen sink per dw. unit.; 1 auto. clothes washer connect per 20 dw. units. |
| | Dormitories | 1 per 10 | | 1 per 10 | 1 per 8 | 1 per 100 | 1 service sink |
| | One- and two-family dwellings | 1 per dwelling unit | | 1 per dwelling unit | 1 per dwelling unit | — | 1 kitchen sink per dw. unit.; 1 auto. clothes washer connection per dwelling unit ^f |
| Storage (see Sections 403.2 and 403.4) | | 1 per 100 | | 1 per 100 | (see Section 411) | 1 per 1,000 | 1 service sink |

^a The fixtures shown are based on one fixture being the minimum required for the number of persons indicated or any fraction of the number of persons indicated.
The number of occupants shall be determined by the building code.

^b Fixtures located in adjacent buildings under the ownership or control of the church shall be made available during periods the church is occupied.

^c Toilet facilities for employees shall be separate from facilities for inmates or patients.

^d A single-occupant toilet room with one water closet and one lavatory serving not more than two adjacent patient rooms shall be permitted where such room is provided with direct access from each patient room and with provisions for privacy.

^e For day nurseries, a maximum of one bathtub shall be required.

^f For attached one- and two-family dwellings, one automatic clothes washer connection shall be required per 20 dwelling units.

18-29-403.6 Customer facilities.

Customers, patrons and visitors shall be provided with public toilet facilities in structures and tenant spaces intended for public use and utilized as restaurants, nightclubs, places of assembly, business and mercantile occupancies. Customer toilet facilities shall be located not more than one story above or below the space required to be provided with customer toilet facilities and the path of travel to such customer toilet facilities and the path of travel to such facilities shall not exceed a distance of 200 feet (61 m). In covered mall buildings, required facilities shall be based on total square footage, and shall be installed in each individual store or in a central toilet area located in accordance with this Section. The maximum travel distance to the central toilet facilities in covered mall buildings shall be measured from the main entrance of any store or tenant space.

Exception: Toilet facilities for the public shall not be required in mercantile units of less than seven thousand five hundred (7500) square feet in gross area. In mercantile units of seven thousand five hundred (7500) square feet or more in gross area, the occupancy content shall be determined by dividing the net floor area used by the public, as shown in an actual floor plan layout, by one hundred (100), or a minimum of twenty-five percent (25%) of the gross area, whichever is smaller.

18-29-418.2.1 Facilities with no range oven.

Sinks installed in lunchrooms, pantries, break rooms and other similar facilities where no range or oven is installed shall not be required to have a grease interceptor. Installation of a microwave oven in such facilities shall require the installation of a grease interceptor.

18-29-502.4 Prohibited location.

Fuel-fired water heaters shall not be installed in any of the following locations: a sleeping

room; [or] a bathroom; an attic space; a garage; or above any ceiling.

Exception: A sealed combustion chamber or direct vent water heater may be installed in a sleeping room, bathroom or closet accessed through a sleeping room or bathroom.

18-29-504.2 Vacuum relief valve.

[Bottom fed water heaters and bottom fed tanks] Water heaters elevated above the fixtures they serve and tanks connected to such water heaters shall have a vacuum relief valve installed. The vacuum relief valve shall comply with ANSI Z21.22.

18-29-504.8 Required pan.

Water heaters or hot water storage tanks installed in locations where leakage of the tanks or connections will cause damage shall be installed in a galvanized steel or other metal pan of equal corrosion resistance having a minimum thickness of 24 gage, 0.0276 inch (0.70 mm). Any water heater installed in a cabinet below a counter shall be provided with a drain pan.

TABLE 18-29-604.10.3

ALLOWANCE IN EQUIVALENT LENGTH OF PIPE
FOR FRICTION LOSS IN VALVES AND THREADED FITTINGS

| DIAMETER OF FITTING (INCHES) | 90-DEG STANDARD ELL (FEET) | 45-DEG STANDARD ELL (FEET) | 90-DEG SIDE TEE (FEET) | COUPLING OR STRAIGHT RUN OF [FEE] TEE (FEET) | GATE VALVE (FEET) | GLOBE VALVE (FEET) | ANGLE VALVE (FEET) |
|------------------------------|----------------------------|----------------------------|------------------------|----------------------------------------------|-------------------|--------------------|--------------------|
| d | 1 | 0.6 | 1.5 | 0.3 | 0.2 | 8 | 4 |
| ½ | 2 | 1.2 | 3 | 0.6 | 0.4 | 15 | 8 |
| ¾ | 2.5 | 1.5 | 4 | 0.8 | 0.5 | 20 | 12 |
| 1 | 3 | 1.8 | 5 | 0.9 | 0.6 | 25 | 15 |
| 1 ¼ | 4 | 2.4 | 6 | 1.2 | 0.8 | 35 | 18 |
| 1 ½ | 5 | 3 | 7 | 1.5 | 1.0 | 45 | 22 |
| 2 | 7 | 4 | 10 | 2 | 1.3 | 55 | 28 |
| 2 ½ | 8 | 5 | 12 | 2.5 | 1.6 | 65 | 34 |
| 3 | 10 | 6 | 15 | 3 | 2 | 80 | 40 |
| 3 ½ | 12 | 7 | 18 | 3.6 | 2.4 | 100 | 50 |
| 4 | 14 | 8 | 21 | 4.0 | 2.7 | 125 | 55 |
| 5 | 17 | 10 | 25 | 5 | 3.3 | 140 | 70 |
| 6 | 20 | 12 | 30 | 6 | 4 | 165 | 80 |

18-29-608.6 Prohibited use of secondary water.

No secondary water shall overflow or be discharged into any surge tank, storage tank, or reservoir, or shall in any way be piped or conveyed into the water supply system or into any building, structure, or premises, such that the overflow or discharge contaminates the fresh water supply from the mains of the Chicago Waterworks System either inside of the premises or in the water service pipe. Secondary water shall not be piped to or used in any plumbing fixture, or for cooling crushers, rollers, or mixers where foods, candies, liquids or materials are manufactured for human or animal consumption.

In accordance with Section 11-8-390 of this Code, the installation of any potable water supply well after May 14, 1997, is prohibited except as otherwise permitted in that Section.

18-29-702.1 Above-ground sanitary drainage and vent pipe.

Above-ground soil, waste and vent pipe shall conform to the respective standard listed in Table 18-29-702.1. The use of polyvinyl chloride (PVC) plastic pipe shall be limited to buildings three stories or less in height intended for family occupancy. The use of DWV copper tubing shall not be permitted in any structure or plumbing system..

TABLE 18-29-702.1

ABOVE-GROUND DRAINAGE AND VENT PIPE

| MATERIAL | STANDARD |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Brass pipe | ASTM B 43 |
| Cast-iron pipe hub & spigot ^c | ASTM A 74; CISPI 301; ASTM A 888 |
| Cast iron pipe hubless ^a | ASTM A 888; CISPI 301 |
| Copper or copper-alloy pipe | ASTM B 42; ASTM B 302 |
| [DWV copper tubing ^a | ASTM 75; ASTM B 88; ASTM B 251; ASTM B 306] |
| Copper or copper-alloy tubing (Type K, L, or M) | ASTM 75; ASTM B 88; ASTM B 251; ASTM B 306 |
| Galvanized steel pipe | ASTM A 53 |
| Glass pipe ^b | ASTMC 1053 |
| Ductile iron pipe[^b] | AWWA C151; AWWA C115 |
| Polyvinyl chloride (PVC) ^a plastic pipe (Schedule 40) | ASTM D 2665; ASTM D 2449; ASTM F 891 ^d ; CSA CAN/CSA-B181.2 |
| High silicon content cast iron pipe ^b | ASTM A 377-1984 |
| Polypropylene or Polyvinylfluorodene (PVDF)[^a] ^b | ASTM F1412 |

^a In any building three stories or less in height for family occupancy only.

^b Approved for acid waste only, on private system, not to be connected to the public sewer.

^c [May be used above ground suspended for sanitary or storm.] Lead and oakum joints only.

^d Use shall be limited to gravity drainage and venting only and shall not be allowed for pressurized drain, waste or venting applications.

TABLE 18-29-702.2

**UNDERGROUND BUILDING DRAINAGE
AND VENT PIPE**

| MATERIAL | STANDARD |
|-------------------------------------------------------------|-------------------------------------|
| Cast-iron pipe hub & spigot ^b | ASTM A 74; CISPI 301; ASTM A 888 |
| Glass pipe ^a | ASTM C 1053 |
| Copper or copper-alloy tubing (Type K [or L]) | ASTM B 75; ASTM B 88; ASTM B 251 |
| Polypropylene or Polyvinylfluorodene (PVDF) ^a | ASTM F1412 |
| Ductile iron pipe | AWWA C151; AWWA C115 |
| <u>High silicon content cast iron pipe^a</u> | <u>ASTM A 377-1984</u> |

^a For acid waste [underground] only, on private system, not to be connected to the public sewer.

^b The use of cast iron pipe shall be limited to construction within private property. Cast iron pipe will not be allowed in the public way.

TABLE 18-29-702.3

BUILDING SEWER PIPE

| MATERIAL | STANDARD |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| Cast-iron pipe hub & spigot ^b | ASTM A 74; ASTM A 888; CISPI 301 |
| Ductile iron pipe | AWWA C151; AWWA C115 |
| Concrete pipe 24" or larger | ASTM C 14; ASTM C 76; CSA A257.1; CSA CAN/CSA A257.2 |
| Copper or copper-alloy tubing (Type K [or L]) | ASTM D 1785; ASTM B 88; ASTM B 251 |
| Polyvinyl chloride (PVC) plastic pipe (Schedule 40) | ASTM D 1785; ASTM D 2665; ASTM D 2672; CSA CAN/CSA-B137.3 |
| Glass pipe ^a | |
| Polypropylene or Polyvinylfluorodene (PVDF) ^a | ASTM F1412; ASTM D 4101 |
| High silicon content cast iron pipe ^b | ASTM F 492-1985 |
| Extra strength vitrified clay pipe, 21" or smaller | ASTM C 4; ASTM C 700 |

^a For acid waste underground only, on private system, not to be connected to the public sewer.

^b The use of cast iron pipe shall be limited to construction within private property. Cast iron pipe will not be allowed in the public way.

18-29-702.3 Building sewer pipe.

Building sewer pipe shall conform to the respective standard listed in Table 18-29-702.3 except that polyvinyl chloride (PVC) shall not be allowed for underground building and vent pipe except for subsurface soil drainage. The use of cast iron pipe will not be allowed in the public way.

18-29-712.3.2 Sump pit.

The sump pit shall be not less than 18 inches (457 mm) in diameter and 30 inches (762 mm) deep, unless otherwise approved. The pit shall be accessible and located such that all drainage flows into the pit by gravity. [The] An approved sump pit or tank within a building receiving the discharge from sanitary drains, storm water or combined drains shall be constructed of [tile, concrete,] steel, [plastic, fiberglass,] cast iron, reinforced concrete pipe or other approved materials. The sump or tank receiving the discharge from subsurface soil drainage shall be constructed of vitrified clay tile or any of the above materials. Approved plastic or fiberglass liners may be used in conjunction with any of the approved materials referenced above. The pit bottom shall be solid and provide permanent support for the pump. The sump pit shall be fitted with a gas-tight removable cover adequate to support anticipated loads in the area of use. The sump pit receiving sanitary flow shall be vented in accordance with Article 18-29-9.

18-29-803.2 Neutralizing device required for corrosive wastes.

Corrosive liquids, spent acids or other harmful chemicals that destroy or injure a drain, sewer, soil or waste pipe, or create noxious or toxic fumes or interfere with sewage treatment processes, shall not be discharged into the plumbing system device for corrosive waste. No corrosive wastes which are equal or greater in corrosive action than a ph lower than 4.5 or higher than 10.0, having corrosive properties sufficient to cause damage or hazards to structures, equipment, or personnel, shall discharge into any house sewer without first discharging into a dilution tank or basin. Such devices shall be automatically provided with a sufficient supply of diluting water or neutralizing medium so as to make the contents noninjurious before discharge into the drainage system. No other waste pipe shall connect to a dilution basin. Every dilution tank used for this purpose shall be constructed of earthenware, polyethylene, polypropylene or

glass and shall be provided with a standing waste and overflow or other approved means to insure dilution.

TABLE 18-29-916.1

SIZE AND DEVELOPED LENGTH OF STACK VENTS AND VENT STACKS

| [SIZE OF SOIL OR WASTE FIXTURE STACK (inches)] | TOTAL [FUTURE] FIXTURE UNIT[ED]S BEING VENTED (DFU) | DIAMETER OF VENT (INCHES) | | | | | | | | |
|------------------------------------------------|-----------------------------------------------------|-----------------------------------------|----------|------------|----------|----------|----------|----------|----------|-----------|
| | | <u>1 ½</u> ** | <u>2</u> | <u>2 ½</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>8</u> | <u>10</u> |
| | | MAXIMUM DEVELOPED LENGTH OF VENT (feet) | | | | | | | | |
| [1½] | 8 | 100 | * | | | | | | | |
| [2] | 20 | 50 | 150 | * | | | | | | |
| [2½] | 42 | 30 | 100 | 300 | * | | | | | |
| [3] | 60 | N.P. | 50 | 80 | 400 | * | | | | |
| [4] | 500 | N.P. | N.P. | 70 | 180 | 700 | * | | | |
| [5] | 1100 | N.P. | N.P. | N.P. | 50 | 200 | 700 | * | | |
| [6] | 1900 | N.P. | N.P. | N.P. | N.P. | 70 | 200 | 700 | * | |
| [8] | 3600 | N.P. | N.P. | N.P. | N.P. | N.P. | 60 | 250 | 800 | * |
| [10] | 5600 | N.P. | N.P. | N.P. | N.P. | N.P. | N.P. | 60 | 250 | * |
| [12] | 8400 | N.P. | N.P. | N.P. | N.P. | N.P. | N.P. | N.P. | N.P. | * |

* = Unlimited.

** = Not permitted for water closets

N.P. = Not Permitted

18-29-1101.2.1 Roof drainage and downspouts.

All roofs exceeding 750 square feet (69.7 m²) in area shall be drained to a sewer, where such is available in any adjoining public way, or public place. Every connecting roof downspout having the open roof connection, located nearer than 12 feet (3.66 m) to an inside lot line or any door or window on the same premises, shall be trapped on the downspout side of the connection to any sanitary sewer or any combined sewer or drain, and shall be set where not subject to frost.

Exceptions:

1. Nothing in this provision shall prohibit the temporary or permanent disconnection of the roof downspout of a building from the sewer or combined sewer so long as the disconnection does not result in the drainage of water beyond the property lines of the lot on which the building is located.
2. Roofs of single-family (Class A-1) and multiple-family (Class A-2) buildings may be provided with external downspouts discharging onto a paved or landscaped area, provided the water thus discharged can be drained directly to an area drain, catch basin or street gutter connected to a public sewer, without spilling over onto adjacent property, creating a public hazard or nuisance.

18-29-1101.2.3 Storm runoff.

Construction which is tributary to the combined sewer system of the City of Chicago shall be designed to minimize and/or delay runoff inflow contributions to the combined sewer system in accordance with the following:

[Exceptions:]

1. Disconnection: For sites of 5,000 square feet (1524 m²) in area and smaller, except multiple unit developments, storm runoff will be minimized or delayed by the disconnection of downspouts, temporary or otherwise, in accordance with Section 18-29-1101.2.1 and any other applicable sections of this chapter and the Department of Sewers design standards.

2. Detention: For sites greater than 5,000 square feet (1524 m²), and multiple unit developments, storm runoff shall be detained in accordance with, and is required by, the Department of Sewers design standards. The release[s] rate of detained storm runoff shall be managed on the available capacity of the combined storm sewer system as determined by the Department of Sewers.

18-29-1101.8 Cleanouts required.

Cleanouts shall be installed in the storm drainage system and shall comply with the provisions of this chapter for sanitary drainage pipe cleanouts or as required by the Department of Sewers design standards.

18-29-1102.4 Building storm sewer pipe.

Building storm sewer pipe shall conform to one of the standards listed in Table [18-29-702.1] 18-29-702.3 except that neither polyvinyl chloride (PVC) nor polypropylene (PPL) pipe and fittings shall be allowed in stormwater detention applications as oversized pipe. [See Table 18-29-1102.4 in the Appendix.]

18-29-1111.3.2 Construction.

[The] An approved sump pit shall not be less than 18-inch (457 mm) diameter and shall be constructed of vitrified clay [pipe] tile, [fiberglass,] cast iron, steel, reinforced concrete pipe, cast iron or other approved material, with a removable cover adequate to support anticipated loads in area of use. Approved plastic or fiberglass liners may be used in connection with any of the above. The pit floor or cover shall provide permanent support for the pump.

SECTION 4. This ordinance shall become effective upon passage.