

WATER, SEWER, & PLUMBING



DOCUMENT SUBMITTAL LIST

- Completed *Application for Construction or Use*. Application must include authorized signature by the property owner if not owner occupied.
- Copy of State of Illinois License and Letter of Intent (LOI)
- Three copies of plan drawings including riser diagram(for plumbing), and materials list.

Failure to provide any of the above documents may result in processing delays.

GENERAL INFORMATION

1. Permits are not required to change out plumbing fixtures like faucets, sinks and toilets, but they are required when the scope of work includes the installation, addition, or alteration of interior plumbing systems and water / sewer services.
2. All work is to be done in accordance with the current Illinois State Plumbing Code and the amendments adopted by the City of Warrenville (summary on page 3 of this brochure).
3. The application review period averages two weeks. The applicant will be contacted when the permit is ready for issuance and payment.
4. If work commences prior to permit issuance, the permit fee shall be doubled.
5. Approved construction documents shall be available on site at all times.
6. Alterations to the approved plans must be resubmitted to the Building Department in writing for review and approval prior to construction.
7. It is the responsibility of the applicant to assure access is provided to the plumbing system for required inspections. Most plumbing permits require two inspections: rough-in and final. Call for a rough-in inspection when the pipes, valves and drains are installed. Do not cover any work until the inspector has approved it. Underground plumbing must be fully connected and supported for inspection prior to backfill. All faucets, valves, and fixtures must be installed, and functioning for the final inspection. A list of the required inspections is provided on the reverse side of the permit card.
8. Inspections must be scheduled at least one day prior to the desired inspection date by calling the Warrenville Community Development Department (630-393-9050).
9. A permit may become invalid if work does not begin within 180 days of issuance, or if construction has been halted and not resumed for a period of 60 consecutive days.
10. It is the homeowner/contractor's responsibility to have underground utilities located no less than 48 hours prior to digging by calling J.U.L.I.E (811).

FEE SCHEDULE

Permit issuance Fee (plus applicable fees listed below)	\$22.00
Fixtures And Vents	
For each plumbing fixture or trap or set of fixtures on one trap	\$8.75
For repair or alteration of drainage or vent piping, each fixture	\$4.25
Sewers, Disposal Systems And Interceptors	
For each building sewer	\$22.00
For each private sewage disposal system	\$66.50
Each industrial waste pretreatment interceptor including its trap and vent, excepting kitchen-type grease interceptors functioning as fixture traps	\$17.75
Rainwater systems per drain (inside building)	\$8.75
Water Piping And Water Heaters	
Installation, alteration, or repair of water piping or water-treating equipment, each	\$4.25
Water heaters	\$11.00
Lawn Sprinklers, Vacuum Breakers And Backflow Protection Devices	
For each lawn sprinkler system on any one meter, including backflow protection	\$13.25
1 to 5 devices atmospheric-type vacuum breakers or backflow protection devices	\$11.00
Each atmospheric-type vacuum breakers or backflow protection device over 5 devices	\$2.00
For each backflow protection device other than atmospheric-type vacuum breakers	
2 inches and smaller	\$11.00
Over 2 inches	\$22.00
Gas Piping Systems	
For each gas piping system of one to five outlets	\$5.50
For each additional outlet over five	\$1.00
Miscellaneous	
Equipment not classed in other categories, or for which no other fee is listed in this code, each.	\$8.75
Inspections outside of normal business hours, per hour, minimum two hour charge.	\$44.25*
Re-inspection fees assess under provisions of section 305.8, per inspection.	\$44.25*
Inspections for which no fee is specifically indicated, per hour, minimum one-half hour charge.	\$44.25*
Additional plan review required by changes, additions or revisions to plans or to plans for which an initial review has been completed, minimum one-half hour charge.	\$44.25*
*Or the total hourly cost to the jurisdiction, whichever is the greatest. This cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of the employees involved.	

Water meter cost			
\$304.80 for 5/8 inch	\$424.80 for 1 inch	\$948.00 for 2 inch	\$3,384.00 for 4 inch
\$351.60 for 3/4 inch	\$798.00 for 1 1/2 inch	\$2568.00 for 3 inch	\$5,610.00 for 6 inch
Tapping Fees			
Diameter Of Domestic Water Service Pipe	Water Service Charges	Sanitary Sewer Service Charges	
1 inch	\$ 1,000.00	\$ 1,000.00	
1 1/2 inches	\$ 2,150.00	\$ 2,150.00	
Water & Sewer Surcharge ¹	\$ 4,333.62	\$ 3,707.84	
¹ This fee may vary but should not exceed the amounts indicated.			

Water and Sewer Requirements

Potable Water

The water distribution system for any building intended or used for human habitation or occupancy shall contain and be supplied by potable water. For the purposes of this section all such buildings shall be deemed to have only one such water distribution system.

New Service Connections

Before commencing the installation of any service pipe, the contractor or owner the premises shall notify the public works at least twenty-four hours in advance of commencing such work.

No excavation performed in connection with such work shall be backfilled before the installation has been inspected and approved by a representative from the public works department.

Tapping Water Mains

Where a new service pipe requires the tapping of the water main, it shall be the responsibility of the person obtaining water service, and at their own expense, to provide proper excavation to the water main, make the tap-on, backfill, and restore the street area to its original condition, install the shutoff box, and furnish all materials. If any of the aforesaid work does not conform to the standards of the City, the City may complete the work and invoice the owner of the premises for the cost of completing the work.

Tapping saddle at minimum shall be epoxy coated ductile with two stainless steel bands. All stainless steel saddles are acceptable.

All repair clamps shall be full circle stainless steel.

Water services shall be Type "K" copper only with a minimum size of one-inch diameter.

Depth of bury for water services to be 5'-6" (minimum) to 6'-6" (maximum).

Shut-Off Boxes

A water shut-off box (B-Box) is required for every service pipe by the City. The shut-off is required to be located in the public right-of-way and not within a driveway or sidewalk.

B-Boxes shall be of the arch pattern design with a telescoping one and one quarter-inch iron pipe upper section, pentagon nut access, enlarged base for 1-1/2" round-ways and larger.

Water Meters

No water shall be supplied from the City system until a meter installed and ready for use. The water meter is provided to the permit holder upon procurement of the building permit.

- 1) The contractor is responsible for installing the water meter and the wire for the outside register, which are supplied by the City. The water meter shall be installed **prior to rough in inspection and shall not be removed thereafter.**
- 2) The contractor is responsible for theft, loss, or other damage to the meter and wire from day of pick-up to the day of final water inspection.
- 3) The water meter shall be installed in a location that is accessible for change out, and not behind water heaters, furnaces, water softeners, etc. The meter location shall not be susceptible to freezing. The meter is to be installed in a horizontal position.
- 4) The water meter has an arrow indicating direction of flow. Do not install the meter backwards.
- 5) A ball valve shall be installed **before and after** the water meter.
- 6) A conductive bonding strap shall be installed across the meter spread.
- 7) The wire for the outside register shall be run in conduit, the location of which is to be determined by the Water Department by calling 630.393.5753.
- 8) The contractor is responsible for the wire to have continuity.
- 9) The City shall connect the wire to the water meter and install the outside register. It is the contractor's responsibility to contact the City to install the outside register.

Cross-Connection Prohibited

Connections between potable water systems and other systems or equipment containing water or other substances which may constitute a health hazard or source of pollution are prohibited except when and where approved cross-connection control devices are installed, tested and maintained to ensure proper operation on a continuing basis.

Turning Water On

Prior to having the water supply turned on for the rough plumbing inspection, the permit holder or is required to set up a water billing account with the City of Warrenville.

Sewers

Sanitary Sewer Engineering Standards

1. All sanitary sewer service pipe shall be SDR 26 ASTM D-2241 and fittings shall meet the requirements of ASTM D-3212 or equivalent.
2. Sanitary sewer services shall be a minimum of 6-inches in diameter.
3. When connecting to an existing manhole, the hole must be cored and a rubber gasket coupling (boot) with stainless steel bands / retainers shall be per ASTM C-923. The bench shall be removed and re-poured, if necessary.
4. When connecting a new sanitary service to an existing sanitary sewer main without an existing wye, contact Public Works to determine which one of the two following methods shall be used:
 - a. A section of the main shall be cut out to install a new wye. Connection between the existing sanitary sewer and the new wye shall be made with non-shear mission couplings with two stainless steel bands to a point where the coupling cannot shift.
 - b. Core the existing main and make the connection with an INSERTA TEE connection or an approved equal
5. No ground water will be allowed to enter the sanitary sewer during or after construction.

Separate Sewers

A separate and independent building sewer shall be provided for every building.

Sewer Elevation

All buildings shall be served by overhead sewer connections.

Conformance to Code

The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing and backfilling the trench, shall all conform to the requirements of the Building and Plumbing Codes.

Tapping Sanitary Sewer Mains

Where sanitary sewer service requires the tapping of sanitary sewers, it shall be the responsibility of the person obtaining sanitary sewer service, at his own expense, to provide proper excavating to the sanitary sewer, to backfill same, to make the necessary connection to the sanitary sewer, and to restore the street area to its original condition, including repaving or any other restoration where necessary.

When the sanitary sewer connection is made to the public sewer system of the city, the connection shall be made under the supervision of a representative from public works.

Expenses Borne by Owner

All costs and expenses incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the City from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

In the event the city incurs extraordinary or additional facilities costs beyond those normally and customarily required to provide sewerage service to the customer (e.g., oversized sewer mains, lift stations, additional treatment capacity, etc.), a tap-on surcharge shall be added to the minimum sewer connection charge and local facilities charge. The city engineer and city council shall determine the appropriate amount of the tap-on surcharge to be charged the customer based upon: 1) the total amount of extraordinary or additional costs incurred by the city, and 2) an allocation of the extraordinary or additional city costs to each benefited customer property. The determination of the tap-on surcharge shall be recorded with the recorder of deeds of DuPage County and shall identify the customer properties subject to the tap-on surcharge and the amount of the tap-on surcharge applicable to each such property.

Connections of Surface Runoff Water

Roof downspouts, exterior foundation drains (sump-pump), other sources surface runoff or ground water is not allowed to be connected into a building sewer or building drain which is connected to a public sanitary sewer.

Excavations and Restoration

All excavations for water and building sewer installations shall be adequately guarded with barricades and lights so as to protect the public hazard. Streets, sidewalks, parkways and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the city. If such work does not conform to the building code or this chapter, the city may complete the work and bill the occupant or owner of the premises, and the amount thereof shall be a lien against the premises to the same extent and with the same effect as delinquent water and sewer charges

Approved construction documents shall be available on site at all times.
Alterations to the approved plans must be resubmitted to the Building Department in writing for review and approval prior to construction.
Where conflicts between this guide and the code arise, the most restrictive code, or manufacturer's installation instructions shall prevail.