

Water, Sewer, & Plumbing

*This handout is for informational purposes only.
The provisions of the City's adopted codes prevail.*



Document Submittal List

- [Permit Application for Construction or Use.](#)
- Copy of State of Illinois Plumbing License and Letter of Intent.
- One copy of plan drawings including riser diagram and materials list.

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

General Information and Fees

- 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/or water/sewer services.
- All work is to be done in accordance with the current Illinois State Plumbing Code and the amendments adopted by the City of Warrenville. For additional information refer to the City Code and the summary of amendments included in this document.
- All contracted plumbing work shall be performed by a licensed plumber.
- The application review period averages two weeks. The applicant will be contacted when the permit is ready for issuance and payment.
- If work commences prior to permit issuance, the permit fee shall be doubled.
- 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.
- A list of required inspections is provided on the reverse side of the permit. Inspections must be scheduled at least one day prior to the desired inspection date by calling the Warrenville Community Development Department (630-393-9050).
 - 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 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 180 consecutive days.
- 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).

- Fees vary based on the scope of work and are outlined in the [fee schedule](#) available on the City's website.
- Water and sewer taps are subject to permit fees as well as surcharge fees where applicable. Refer to the [water sewer connection guide](#) available on the City's website and the City Code for additional information.
- Approved construction documents shall be available on site at all times.
- Alterations to the approved plans must be submitted to the Chief Code Official in writing for review and approval prior to construction.

Water Requirements

- 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.
- 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.
- Where a new service pipe requires tapping of the water main, it shall be the responsibility of the person obtaining water service, at their expense, to provide proper excavation to the water main, make the tap-on, backfill, restore the street area to its original condition, install the shutoff box, and furnish all materials. If any of this 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).
- 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.
- No water shall be supplied from the City system until a meter is installed and ready for use. The water meter is provided to the permit holder upon procurement of the building permit.
- 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 the rough-in inspection and shall not be removed thereafter.
- 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.

- 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.
- The water meter has an arrow indicating direction of flow. Do not install the meter backwards.
- A ball valve shall be installed before and after the water meter.
- A conductive bonding strap shall be installed across the meter spread.
- 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.
- The contractor is responsible for the wire to have continuity.
- 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.
- 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.
- 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.

Sewer Requirements

- All sanitary sewer service pipe shall be SDR 26 ASTM D-2241 and fittings shall meet the requirements of ASTM D-3212 or equivalent.
- Sanitary sewer services shall be a minimum of 6 inches in diameter.
- 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.
- 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 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.
 - Core the existing main and make the connection with an INSERTA TEE connection or an approved equal
- No ground water will be allowed to enter the sanitary sewer during or after construction.
- A separate and independent building sewer shall be provided for every building.
- All buildings shall be served by overhead sewer connections.
- 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.
- Where sanitary sewer service requires the tapping of sanitary sewer main, it shall be the responsibility of the person obtaining sanitary sewer service, at their own expense, to provide proper excavating to the sanitary sewer, make the tap-on, backfill restore the

street area to its original condition, and furnish all materials. If any of this 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.

- 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.
- 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.
- 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.