



JOLIET PUBLIC UTILITIES DEPARTMENT

RESIDENTIAL WATER SERVICE REQUIREMENTS

APPLICABILITY

These requirements apply to construction of a new private water service for single-family residential units, including the tapping of the City water main.

PLAN

On a plat of survey, grading plan, or printout of the City's GIS mapping system (or similar), show location of: 1) the proposed water service line, 2) the public water main with material, and 3) the location of the main tap. Include dimensions from sewer lines or other known conflicts. Also show existing b-box and service stub/size where applicable.

MATERIAL SPECIFICATIONS

- Service size 2" or less shall be Type "K" copper, installed as one continuous piece from main to curb stop. Service size 4" and larger shall be ductile iron.
- Service saddle required on PVC main and all services larger than 1": Mueller DR2A.
- Corporation stop: A.Y. McDonald 74701 BQ.
- Curb stop: A.Y. McDonald 76104Q.
- Service box: Tyler 6500 with BBAF valve box stabilizer

METER

STANDARD: Sensus iPERL ¾-inch S or 1-inch* (per fixture count / flow calcs)

OPTIONAL: Sensus Ally ¾-inch S or 1-inch* (per fixture count / flow calcs)

** Larger meters considered on a case-by-case basis.*

BACKFLOW

A dual check-valve is required, which will require the installation of an expansion tank per Illinois Plumbing Code.

LAYOUT / DESIGN

Service line shall generally run from the main to the b-box via the shortest distance (normally ~ perpendicular to the main and the right-of-way line.) and continue in a direct

line to the building. Horizontal and vertical separation from sewers shall be maintained at 10 feet and 1.5 feet respectively.

PROCEDURE

Obtain water service permit through Community Development Department – Inspections Division. This will include a review of the site plan showing the locations of water and sewer service lines.

INSPECTION

Contact the Public Utilities Department 48 hours in advance at 815-724-4220 to schedule water tap and water/sewer connection inspections. Verify condition/size of existing b-box and service line where applicable.

STANDARD DETAIL DRAWING

Refer to Standard Detail Drawing WTR-06 and WTR-08.

REFERENCES

For complete requirements, refer to the following documents.

- City of Joliet Utility Design & Inspection Policy Manual.
- Chapter 31 of Joliet Code of Ordinances.
- Section 8-325 of Joliet Code of Ordinances.

FEES

Refer to separate fee summary.