



Village of Glen Ellyn

Water Supply Fixture Unit Calculation Commercial Use - Based on the Illinois Plumbing Code

Project Address: _____

| FIXTURE | EXISTING QUANTITY | | PROPOSED ADDITIONAL QUANTITY | | FIXTURE UNITS | TOTAL |
|-------------------------------------|-------------------|---|------------------------------|---|---------------------|-------|
| Water Closet (toilet - flush valve) | | + | | x | 10 | |
| Water Closet (toilet - tank) | | + | | x | 3 | |
| Urinal (1" flush valve) | | + | | x | 10 | |
| Urinal (3/4" flush valve) | | + | | x | 5 | |
| Lavatory (bathroom sink) | | + | | x | 2 | |
| Bathtub | | + | | x | 4 | |
| Shower Stall | | + | | x | 4 | |
| Kitchen Sink (Restaurant) | | + | | x | 4 | |
| Service Sink (Office, etc.) | | + | | x | 3 | |
| Dishwashing Machine | | + | | x | 1 | |
| Laundry Machine (16lb) | | + | | x | 4 | |
| Drinking Fountain | | + | | x | 0.25 | |
| Other: | | + | | x | | |
| | | | | | GRAND TOTAL: | |

Existing Water Service Size: _____

General Notes:

All rough in plumbing must be included, do not count sill cocks or hose bibs.
An increase of total fixture units may require an up-sizing of the water service line and/or water meter to be in compliance with Illinois Plumbing Code Section 890, Appendix A-Tables M, N and O.

Fixture Unit Calculation By: _____

Print Name _____

Title _____

Date _____

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Size Requirements – Based on Table O: Supply System With Flush Valves

| Grand Total | Service Line : Meter Size | Domestic | Fire Suppression |
|--------------|---------------------------|----------|------------------|
| < 20 | 1 ¼" line : ¾" meter | | |
| 20 – 24 | 1 ½" line : ¾" meter | | |
| 25 – 39 | 1 ½" line : 1" meter | | |
| 40 – 49 | 2" line : 1" meter | | |
| 50 – 119 | 2" line : 1 ½" meter | | |
| 120 – 159 | 2" line : 2" | | |
| Other: _____ | _____ line : _____ meter | | |

Village of Glen Ellyn Required Upgrades for Existing Building Water and Sanitary Sewer Systems

Village Code Building Regulations Section 4-1-8(B)4 require that a new underground water service line, a new underground sanitary service line, and a new overhead building sanitary sewer be installed when a building addition increases the floor area by more than 75%, or when a structural alteration of the building roof or exterior wall exceeds 50% of the existing roof and wall area, or when the hard cost of interior remodeling work exceeds \$100,000. If the existing water and sanitary sewer systems meets current Village standards or if maintenance and repair work can bring the condition to current Village standards, then the Public Works Director may permit the existing water or sanitary sewer system to remain. To obtain approval to allow the existing sanitary service line to remain, the permit applicant must submit a televised video recording and report to the Public Works Department for review in accordance with the following requirements:

1. The televised video recording must be on a DVD, thumb drive or online format that requires no additional software downloads to view.
2. The televised video recording must be reviewable for unlimited replay.
3. The televised video recording shall utilize voice over or, in lieu of voice-over, a written report.
4. The voice-over/report shall include the location, date, name of project owner and name of televising contractor.
5. The voice-over/report must document starting location, ending location and direction of camera movement.
6. The voice-over/report shall describe all pipe failures noting the starting point and end of the documented failure.

The materials and installation of the water and sanitary sewer systems shall be in accordance with the requirements specified in the Village Code, Chapter 6, Construction of Utility Facilities in Rights of Way and the Village of Glen Ellyn Water Main, Sanitary Sewer and Storm Sewer Specifications and Details which may exceed the plumbing requirements specified in the Illinois Plumbing Code.

If you have any questions about the building regulations please contact the Community Development Department at 630-547-5250. If you have any questions about the submittal or approval of the video recording, construction specifications, or inspections, please contact the Public Works Department at 630-469-6756.