



# City of Prospect Heights

Department of Building and Zoning  
8 North Elmhurst Road, Prospect Heights Illinois, 60070-6070  
Office: 847/398-6070 - FAX: 847/590-1854 - [www.prospect-heights.il.us](http://www.prospect-heights.il.us)

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## NEW WATER WELL GUIDELINE

(Disclaimer: This guideline may not be all inclusive, additional regulations may apply) Edited 5-2013

### **SUBMITTAL REQUIREMENTS:**

- Completed application
- Plat of plats survey(3 copies)
- Provide three (3) copies of a site plan showing the proposed exact location and setbacks to other structures and property lines.
- Provide proposed height and proposed materials.
- Confirm clarify in writing that this proposed structure is NOT in a floodplain, easement, or floodway.
- Provide the Julie Dig Number. (800)-892-0123
- Provide proposed distance from the well to other water wells or geothermal wells.
- Copy of License with number and \$25,000 Bond required before processing permit.
- Copy of License with number and \$5,000 Bond required before processing permit.

### **GENERAL REQUIREMENTS:**

- Minimum well casing: 5" galvanized, 5" PVC, 5" BLK STL.
  - Minimum drop pipe; 1" galvanized
  - Schedule 80 threaded joints 1" PVC
  - Over 20 GPM Minimum 1 ¼
    - Well Pump 120 volt
    - 220 volt
    - ½ HP
    - ¾ HP
    - 1HP
    - 1 ½ HP
  - Line from Casing to Well Tank
    - Minimum 1" type "K" Copper
  - Minimum GPM for 3.5 Baths
  - House less lawn sprinkler 10 GPM
  - House with lawn sprinkler 18 GPM
  - Before auxiliary storage and pumping facilities are required.
  - In both cases inside perimeter piping must be type "L" copper, no lead solder minimum.
- A. Must be at minimum of fifty feet (50') from all sanitary sewers, unless otherwise approved by the City Engineer.



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- B. Sewer district must be notified at least two (2) working days prior to constructing a new well.
- C. City Code requires flexible type K copper underground service from well to house. **NO PLASTIC**
- D. Wells may be drilled to a recommended minimum depth of 150 feet.
- E. Casing size shall be a minimum of five inches (5") and be constructed of a material approved by the City Engineer or Plumbing Inspector.

## **APPLICABLE CODES:**

- City of Prospect Heights Municipal Ordinance(<http://www.prospect-heights.il.us/>)
- Illinois State Plumbing Code([www.idph.state.il.us](http://www.idph.state.il.us))
- National Electric Code ([www.nfpa.org](http://www.nfpa.org))

## **INSPECTION REQUIREMENTS:**

- Call 847-398-6070 x 211 to schedule an inspection before backfill.
- Call J.U.L.I.E @ 800-892-0123 to locate underground lines.