

# City of Crystal Lake

## Community Development Department

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Crystal Lake, IL 60014  
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## STORABLE ABOVE GROUND SWIMMING POOL

Please provide the following information when applying for a permit:

- [Building permit application](#).  
Applications are available at City Hall or online at the City's website, [www.crystallake.org](http://www.crystallake.org).
- Two copies of a current Plat of Survey showing all proposed work in accordance with the attached Pool Location Template.
- Contact J.U.L.I.E. for the location of the utilities.
  - Distance from electric lines to the edge of the pool must be indicated on the plat of survey.
- Homeowners association approval may be required.

### Inspections:

Please schedule all inspections by 4:00 P.M. the day before the inspection.

The following inspections are needed for a storable above ground pool:

- Electric
- Fence post holes (if applicable)
- Final inspection

Please provide the following when requesting an inspection:

- Inspection type
- Address
- Date and time frame (am or pm)
- Permit number
- Name and telephone number of homeowner or contractor requesting an inspection

### Storable Swimming Pool Installation Requirements:

- **Setbacks:** Storable swimming pools, pool equipment, and pool heaters must be located in the rear or interior side yard of a residential lot.
  - Pools and pool equipment cannot be located in an easement or zoning setback.
  - The minimum setback to the rear or side yard property line is 5 feet.

**Note:** See the attached Pool Location Templates for additional information.

- **Plumbing:** Exterior water supply used to fill the pool must have a vacuum breaker device to prevent any cross-connection contamination.

- **Drainage:** The pool and its equipment must not change, alter, or affect the existing approved grading and drainage of the property. Pools and equipment may be required to comply with the Stormwater Ordinance and a Stormwater Management permit may also be required.

**Note:** The Engineering Division conducts an evaluation to determine if a Stormwater Management permit is necessary during the building permit review process.

### Electrical Requirements:

- Underground wiring shall not be permitted under the pool unless the wiring is necessary to supply the pool equipment permitted by the 2017 NEC.
- Overhead conductors must be more than 10 feet measured horizontally from the pool wall.
- The use of extension cords is prohibited for use to operate the pool pump motor.
- Pool pump motor factory installed cord must be plugged directly into a single GFCI protected receptacle located a minimum of 6 feet from the inside of the pool wall.

**Note:** The receptacle shall have an approved in use cover.

(In-use cover)



- The pool pump motor shall be listed and installed per manufacturer's specifications.
- All outlets located within 20 feet of the pool must be GFCI protected.
- Raceway conduit must be rigid heavy wall metal conduit, intermediate conduit or rigid-non-metallic conduit (PVC), and listed for burial and electrical use.
- RMC and IMC raceway conduit must be buried at a minimum depth of six inches.
- Non-Metallic conduit must be buried at a minimum depth of 18 inches.
- An equipment grounding conductor must be provided when using non-metallic conduit and sized according to the requirements in the National Electric Code.

### Barrier Requirements:

- **Barrier:** Storable swimming pools with a pool wall less than 48 inches in height at any given point must be completely enclosed with a 48-inch high barrier. When the pool wall is 48 inches in height or greater, the pool wall itself may be considered the pool barrier and the ladder must be removed when the pool is not in use.
- **Barrier entry point:** When the storable pool wall is less than 48 inches at any given point, a minimum 48-inch high fence is required. A self-closing and self-latching gate that swings away from the pool shall be installed. The latch release mechanism must be a minimum of 54 inches above grade or be on the pool side of the gate, 2 to 3 inches below the top of the gate, and have no opening greater than ½ inch within an 18-inch radius of the latch.

**Note:** Please see the attached diagrams for more information about pool barriers

Please note that the information provided in this handout is general in nature. If you have specific questions or need additional information, please contact a Community Development Department representative at (815) 356-3605 or [building@crystallake.org](mailto:building@crystallake.org).