

City of Lockport Above Ground Pool Regulations

Location:

- Pool to be at least 6 feet from both rear and side lot lines, but not in any easements. If located on a corner lot, pool must be located behind corner side yard which is typically 30 feet unless otherwise stated on plat of survey.
- Pool and/or pool deck must be located 6 feet from any fence and in the rear yard only. Show the location of pool drawn to scale on a copy of the survey.
- Cannot be located on any easements, as shown on the plat of survey.
- Must be at least 10 feet from the principal structure.
- Must be located at least 60 inches vertical and horizontal from any glazing that is not tempered.
- No overhead wires within 10 feet (measured horizontally) of pool.
- No underground wires within 5 feet (measured horizontally) of pool.
- It is the responsibility of the homeowner to verify the lot lines. The City of Lockport does not verify lot lines. If applicable, submit approval from Homeowners Association
- A pool location inspection will be made after the application is submitted for permit. Additional information may be required after this inspection.

Fence and/or Barrier:

- **Barrier height and clearances (fences):** The top of the barrier shall be at least 48 inches above grade measured on the side of the barrier that faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches measured on the side of the barrier that faces away from the swimming pool. Where the top of the pool structure is above grade, the barrier is authorized to be at ground level or mounted on top of the pool structure, and the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere. Solid barriers that do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances.
- **Gates:** Gates must be self-closing and able to be locked. Access gates shall comply with the requirements of Sections 3109.4.1.1 through 3109.4.1.6 and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Release mechanisms shall be in accordance with Sections 1008.1.8 and 1109.13. Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate, the release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate, and the gate and barrier shall have no opening greater than 0.5 inch within 18 inches of the release mechanism.
- **Chain link dimensions:** Maximum mesh size for chain link fences shall be a 2.25 inch square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to no more than 1.75 inches.
- **Pool structure as barrier:** Where an above ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, then the ladder or steps either shall be capable of being secured, locked or removed to prevent access, or the ladder or steps shall be surrounded by a barrier which meets the requirements of Sections 3109.4.1.1 through 3109.4.1.8. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter sphere.
- **Dwelling wall as a barrier:** Where a wall of a dwelling serves as part of the barrier, one of the following shall apply:
 1. Doors with direct access to the pool through that wall shall be equipped with an alarm that produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed in accordance with UL 2017. The audible alarm shall activate within 7 seconds and sound continuously for a minimum of 30 seconds after the door and/or its screen, if present, are

opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. In dwellings not required to be Accessible,

- Pools must be installed on level ground. No backfill is allowed; a retaining wall may be needed (see attached picture).

Type of Pool:

There are two types of above ground pools. You will need to determine which type you are installing. This determination will effect your electrical requirements. The two types of pool are storable or permanent.

Storable pool: The type that is constructed on or above the ground and is capable of holding water to a maximum depth of 42" (1m), or a pool with nonmetallic molded polymeric walls or inflatable fabric walls regardless of dimension. These pools are taken down at the end of the season and stored.

Permanent pool: The type that is constructed and capable of holding water in a depth greater than 42" (1 m). MOST POOLS FIT IN THIS CATERGORY. These pools are typically not taken down at the end of the season. **(See attached for electrical specifications)**

Electrical:

- All electric should conform to the 2002 NEC.
- No extension cords are allowed. **(NO EXCEPTIONS)**

Pool Heaters:

If a pool heater is being installed, it must be installed per the manufactures instructions and the 2000 IRC. Underground piping must be plastic sized and rated for gas usage, installed at least 12" deep with a yellow copper tracer line attached at both ends. Gas lines must begin at meter with shut-offs and end with gas shut-off at heater. (Due to the volume of gas required to run gas heaters, it is generally not acceptable to tap into an existing gas line. Undersized piping can result in a carbon monoxide leak at other appliances.)

Entrapment Protection for Swimming Pool and Spa Suction Outlets:

Comply with all requirements of section AG106 of the current International Residential Code. All suction outlets shall be protected against user entrapment. Suction outlets shall have an atmospheric vacuum relief and dual system outlets shall be not closer than 3 feet. Pool cleaner fitting shall be located per code or be attached to the skimmer.

CONTRACTOR REGISTRATION

All contractors doing work within the City of Lockport are required to register with the Building Department. A permit will not be issued until the contractor has become registered. A City of Lockport Certificate of Registration should be submitted with each application. *If the homeowner is completing all of the work then registration is not required.

STREET BOND

Most above ground pool installations require that a street bond be taken at the time of permit issuance. This bond is refundable once the final inspection has been approved. The purpose of this bond is to ensure that your yard and our streets are restored to their original condition once work is finished. Please make sure that all excavated dirt and debris is removed from your yard prior to setting up your final inspection. Once your final inspection has been approved, you can expect to receive your refund within 4-6 weeks. If you have not received your refund in the mail after 6 weeks, please give us a call.

Process to obtain a permit:

1. Call **JULIE (1-800-892-0123)** to mark utilities. Mark in yard with white spray paint the preferred location of pool.
2. Fill out permit application & submit with the following:
 - Manufacturer specifications for pool, filter & heater (brochures will suffice)
 - Plat of survey showing proposed location of pool & electric with dimensions clearly marked showing distances from all lot lines, fences & any structures.
 - Information on safety barrier (example: 4 ft. fence around yard, gates swinging outward & self-closing, self-latching)
3. After JULIE has been out and the pool location is marked, call the Building Department at (815) 838-0549, option 5, to schedule a location inspection.
4. Once the Building & Zoning departments have checked the permit submittal for compliance, the Building Department will contact you when your permit is ready for issuance. This usually takes about 5 - 7 working days for processing & approval.
5. After picking up & paying for your permit, you can then begin work on your pool.
6. Call for each inspection marked on your permit card. Please remember that when scheduling inspections, we need 24-48 hour notice.

AN ABOVE GROUND POOL PERMIT WILL COST \$55, PLUS AN ADDITIONAL \$100 STREET BOND. THIS \$100 BOND IS REFUNDABLE ONCE THE WORK IS COMPLETED & APPROVED. (RETURN TIME IS BETWEEN 4-6 WEEKS.)

*****All final inspections must be approved prior to using the pool or a fine will be issued to the homeowner*****

Pool Lighting



Pool light must be hardwired. Check your pool light box for splice box and manufacturer's installation instructions. Note: You must obtain a 6-8" rigid electrical pipe nipple to go between the outlet box and splice box of the pool light.



The bond wire shall be a solid #8 copper wire coming from the pump motor to the rigid metal conduit picking up pool heater if applicable. The pool must also be picked up by the bond wire. Check upper and lower rings- if they are metal, they must be picked up by the solid #8 wire. This can be achieved by inserting solder-less lugs where screws hold uprights and rings into place.

Determine a Location for your Pool

The Terrain

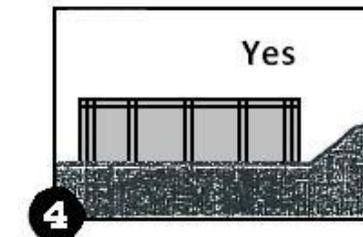
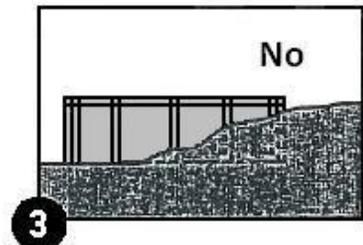
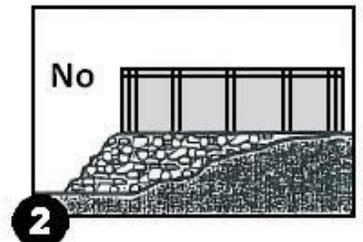
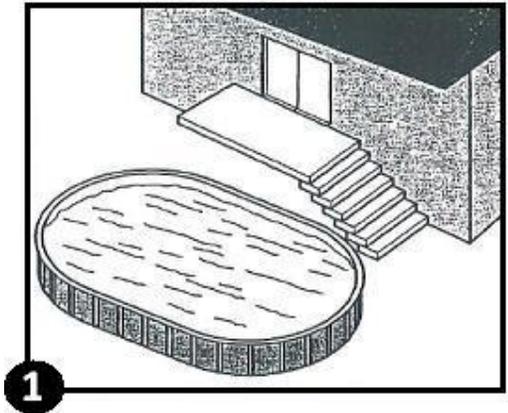
Pay special attention to choosing the right location for your pool:

- Choose a large area, as flat and level as possible.
- Choose a spot on dry, firm earth—**do not** install the pool on concrete, asphalt, tarpaper, sand, gravel, peat moss, wood, or chemically treated soil.
- Check with your pool dealer to see if Nut Grass grows in your area. This type of grass may grow up through your pool liner. Your dealer will be able to advise how best to treat the site.
- Sloped areas will need to be made level by digging away high spots, **not** by filling low spots—be prepared to hire earth-moving equipment if necessary.
- Engineered retaining walls may be required

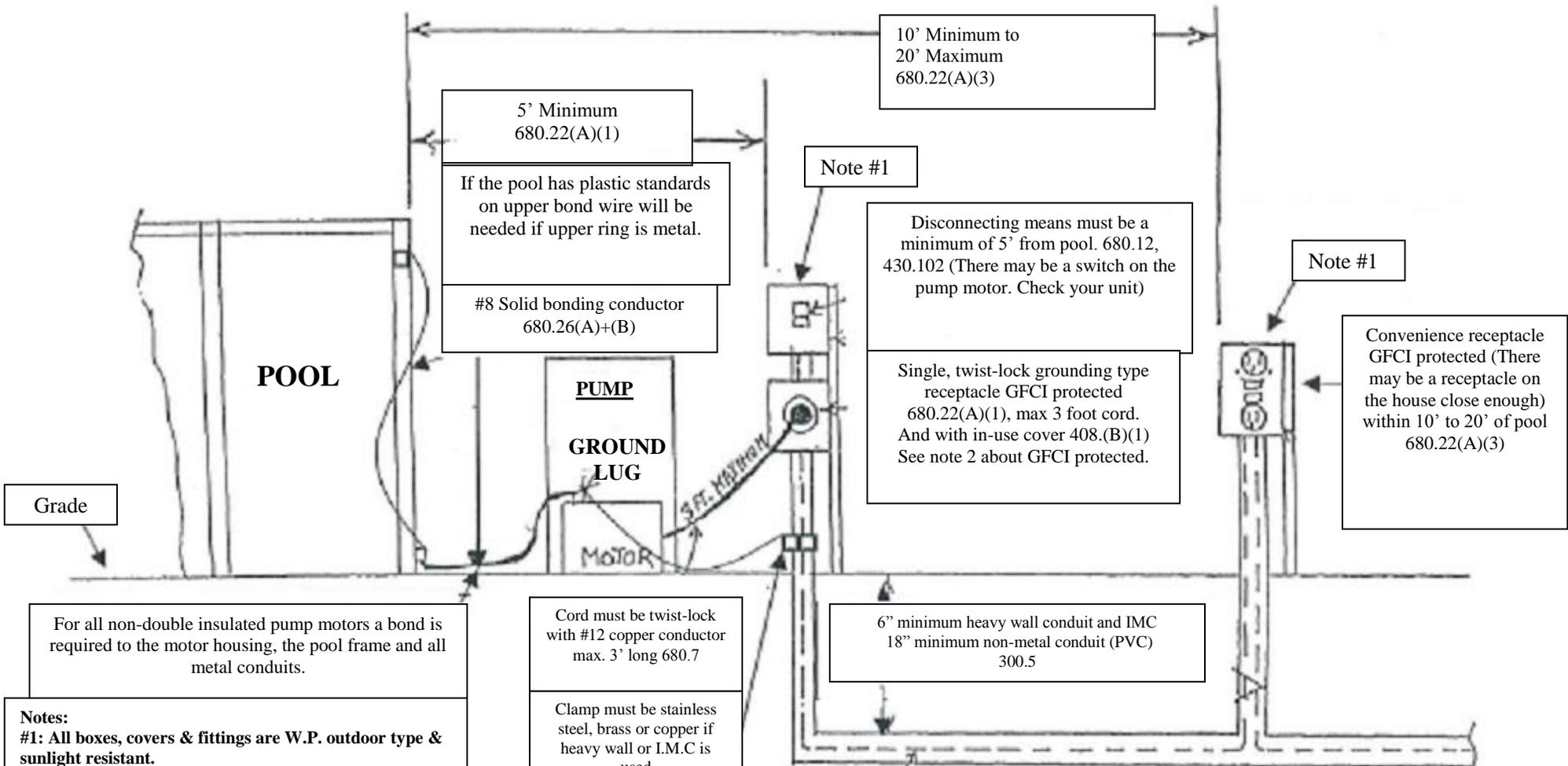
Important Note:

Ground preparation is one of the most important steps in the installation process. A **proper foundation** will ensure the rest of the pool assembly goes by smoothly and that no problems will occur when the pool is filled with water.

Open all of the frame cartons and read all of the instructions **before you begin**. Be sure to read Section 2 and get a complete overview of the pool base and buttress assembly before starting the ground preparation.



Electric Pool information to the 2002 N.E.C. For Permanently installed pools



For all non-double insulated pump motors a bond is required to the motor housing, the pool frame and all metal conduits.

Notes:
#1: All boxes, covers & fittings are W.P. outdoor type & sunlight resistant.
#2: Self-contained unit circuit breaker type (like face-less GFI outlets) or other approved type to the twist-lock outlet. 680.5 Keep in mind GFCI outlets can only protect up to 1.5 hp motors.
#3: All PVC must be of the electrical type and be listed. (Conduit must be gray in color)
#4: All pump motors shall be listed and labeled per 110.3(B) UL or equivalent by an approved testing agency to U.S. standards.

Cord must be twist-lock with #12 copper conductor max. 3' long 680.7
 Clamp must be stainless steel, brass or copper if heavy wall or I.M.C is used 680.26(C)

6" minimum heavy wall conduit and IMC 18" minimum non-metal conduit (PVC) 300.5

Raceways must be of rigid metal conduit, intermediate metal conduit, rigid nonmetallic conduit (PVC) with a #12 insulated copper conductor. 680.21(A)(1)

Grounding. Upper and Lower pool along with the following equipment shall be grounded: (1) wet-niche or no-niche underwater lighting fixtures, (2) dry-niche underwater lighting fixtures, (3) all electric equipment located within 5 ft of the inside wall of the pool, (4) all electric equipment associated with the recirculation system of the pool, (5) junction boxes, (6) transformer enclosures, (7) ground-fault circuit-interrupters, (8) panel boards that are not part of the service equipment and that supply any electric equipment associated with the pool. **680.6**
The equipment-grounding conductor shall be sized in accordance with table 250.122 but not smaller than #12 AWG
This should be a continuous green ground wire.

CITY OF LOCKPORT

ABOVE GROUND POOL APPLICATION

Please print clearly

Applicant Name: _____ Phone #: _____

Address of pool: _____

Estimated value of pool: \$ _____ Size of pool: _____

Property Owner: _____

Does your subdivision have covenants regarding above ground pools? Yes () No ()

Attached copy of Homeowner's Association approval? Yes () N/A ()

Verify the following required items are included in submittal:

- Plat of survey showing the proposed location of the pool, with all dimensions clearly marked. Survey must also show all current conditions of lot including all structures (deck, shed, etc.) and flat work (patio, walkway, etc.) with dimensions.
- Setbacks from all lot lines (rear and sides), house & any other structures (including fence)
- Manufacturers specifications/brochures (Do not include your invoice) on:
1. Pool 2. Pump & Filter 3. Heater (if applicable)
- Approval from Homeowner Association (if required)

Contractor Information:

Pool Installer: _____

Electrical: _____

Excavator: _____

Pool Heater (gas line): _____

Safety Barrier Information:

Barrier Type & Height: _____ Existing () or New ()*

*New fences will require a separate permit to be submitted. Please see "Fence Guidelines"

I hereby certify that I have read, understand, and agree to conform to all governing information and regulations set forth by the City of Lockport.

Signature: _____ Date: _____

FOR OFFICE USE ONLY

Permit #: _____ Permit Fee: _____ Street Bond? (Yes/No)

Building Approval: _____ Date: _____

Zoning Approval: _____ Date: _____

Comments: _____