



Village of Round Lake Community Development

442 N. Cedar Lake Road, Round Lake, IL 60073

Ph. 847-546-0963 Fax 847-546-1872

www.eroundlake.com

SWIMMING POOL REQUIREMENTS

I M P O R T A N T !

DO NOT PURCHASE YOUR SWIMMING POOL UNTIL YOUR SWIMMING POOL PERMIT IS APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT

PERMIT APPLICATION CHECKLIST

- Complete and sign Building Permit Application.
- Call JULIE (800.892.0123) for location of utilities.
- Provide copy of plat of survey showing the location and dimension of the swimming pool including distance to house and lot lines. Indicate the location of the pool service equipment, service panels and electrical lines. Indicate existing or proposed fence height and location on the plat.
- A current plat of survey showing all structures (shed, patio, deck, walkways) with dimensions is required in order to complete the plan review. A fence that meets pool requirements is required to be in place before pool installation (separate permit).**
- Provide copy of the pool installation manual with model number, size, and electrical specifications clearly marked. Provide installation manuals for heater and other related equipment, if installed, with model and installation method clearly marked.
- If pool is installed below grade provide drawings showing excavation details, liner details and base details.
- Provide details of electrical connection including GFCI protection, location of disconnect, bonding and wiring method.
- Provide details of gas heater connections (if applicable).
- Provide copy of contract showing scope of work (if applicable).
- Contractor to supply a copy of electrical license (if applicable).
- Homeowner's Association approval letter (if applicable).

Permit applications will NOT be accepted without all of the above requirements.

PERMIT FEES

Above Ground \$140.00

In Ground \$245.00 (additional fees if plumbing review is needed)

Additional fees may apply, please refer to the Village of Round Lake Municipal Code 20.56.010.

PERMIT GUIDELINES

- One dedicated 15 or 20 ampere GFCI circuit required for pump motor (NEC 680.21C).
- Single receptacle required for pump motor (duplex not allowed).
- Receptacles located between 5 feet and 10 feet from the inside walls of the pool shall be of the single and of the locking and grounding type.
- Receptacles are to be GFCI protected.
- Receptacles are required to have covers that are weatherproof when the cord is plugged in.
- Minimum burial depth of conduit & gas piping is 12" (18" if PVC).
- Maximum length of pump motor cord is 3' (feet).
- All metal parts of the pool (sides, deck, track, conduit, motor, heater & ladder if metal) must be bonded together with a minimum of #8 solid copper wire. Inform pool installer to provide attachment points.
- Fence gates must be self-closing and self-latching with the release mechanism of the self-latching device located a minimum of 54" (inches) above the bottom of the gate.
- All doors with direct access to the pool from the house must be equipped with an audible alarm that sounds when the door and/or screen is opened.
- Backflow protection must be provided on hose bib in rear yard.
- The electric power to pool heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet of the heater. Such switches shall be in addition to a circuit breaker for the power to the heater.
- Pool heater is required to have time switches or other control methods that can automatically turn off and on according to a preset schedule and shall be installed for heaters and pump motors.
- Pools with heaters are required to have a vapor-retardant pool cover.
- Pump motor cord must plug into outlet without the use of an extension cord.
- Please note the swimming pool permit cannot be issued until the required fencing is in place.
- Fence must remain intact and in place during construction to prevent access to rear yard.
- All work to conform to the 2018 IRC, 2018 ISPSC, NEC 2017, 2015 IECC and the Illinois Plumbing Code.

INSPECTIONS

1. Pool location inspection prior to start of construction.
2. Rough Electrical.
3. Final inspection: Includes inspection of all electrical connections to the main service panel.

The following items are required and will be “field verified” by staff before use of the pool can be authorized:

1. Please mark the proposed location of your swimming pool clear enough for the inspector to examine for conformance. We suggest using spray paint or a series of stakes.
2. All required screening/fencing in place and access gates equipped with locking device.
3. Where a wall of a dwelling serves as part of the barrier; all doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions.
4. Installation of weatherproof GFCI protected electrical outlet located not less than 10 feet (10') and not more than twenty feet (20') from the pool. No receptacles shall be located within ten feet (10') from the pool. All receptacles located within twenty feet (20') of the pool must be GFCI protected. For cord and plug connections, a single twist-lock receptacle for the pool motor can be located no closer than five feet (5') from the pool. The twist-lock receptacle must be equipped with a weatherproof bubble cap. The cord for the motor is limited to a maximum of three feet (3') in length and must be a twist-lock plug (Fig4).
5. Additional equipment grounding conductor No. 12 gauge wire minimum shall be brought from the pool motor and equipment panel board back to the main service distribution panel board. The use of conduit for the return path to ground is not allowed. No additional ground rods are allowed to be installed.
6. Bonding is required including the metal parts of the fence forming the pool enclosure barrier, the pool motor, heater, conduit and metal components of the pool structure.
7. There shall not be any overhead electrical conductors within ten feet (10') of the spa/pool (Fig.3).
8. There shall not be any underground electrical conductors within five feet (5') of the pool/spa (Fig. 2). Exception: if conductors are encased in a raceway.
9. Backflow prevention shall be provided on the rear hose bib.
10. Prior to use of this pool structure, a final inspection of the electric, HVAC, life safety, and building is required.
11. All pools shall be installed on the existing grade. Existing grading shall not be altered without prior written permission from the Building Department.
12. Heated pools shall require a solar cover and timer controlled thermostat.

ILLUSTRATED EXAMPLES OF THE CODE REQUIREMENTS

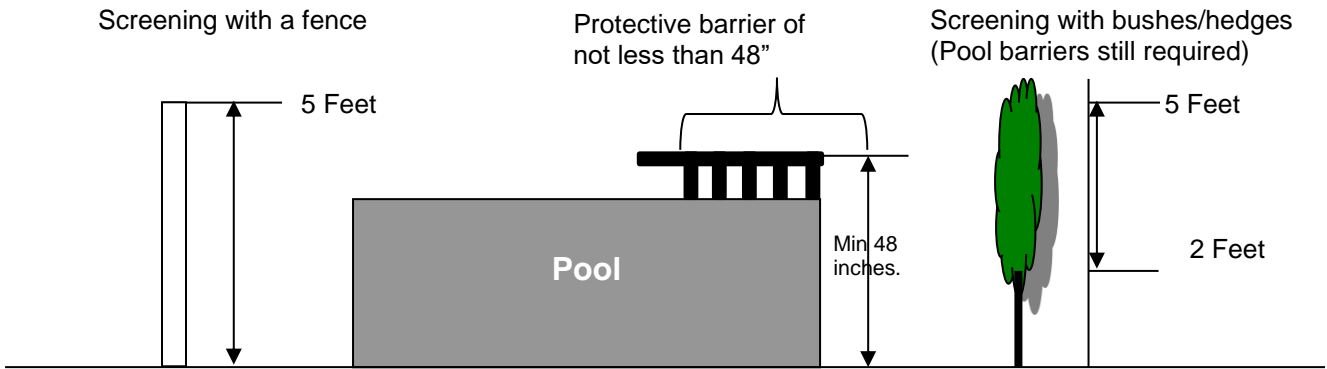


Figure 1

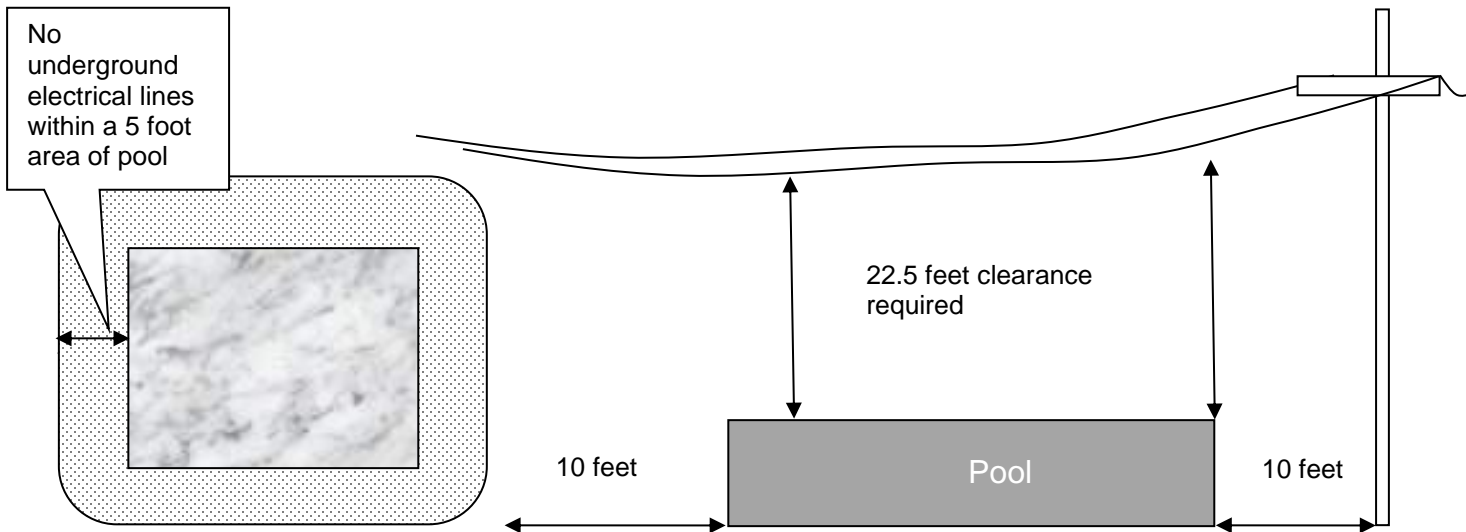


Figure 2

Figure 3

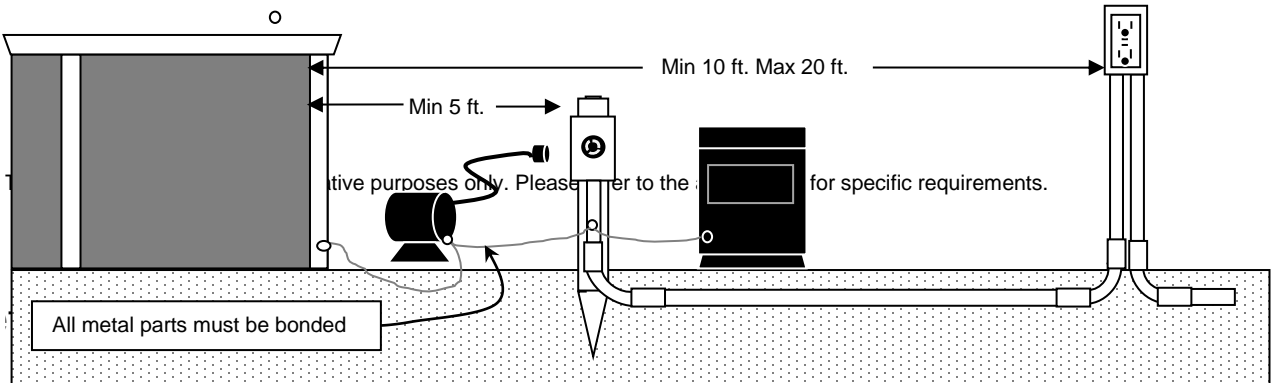


Figure 4

SETBACK REQUIREMENTS:

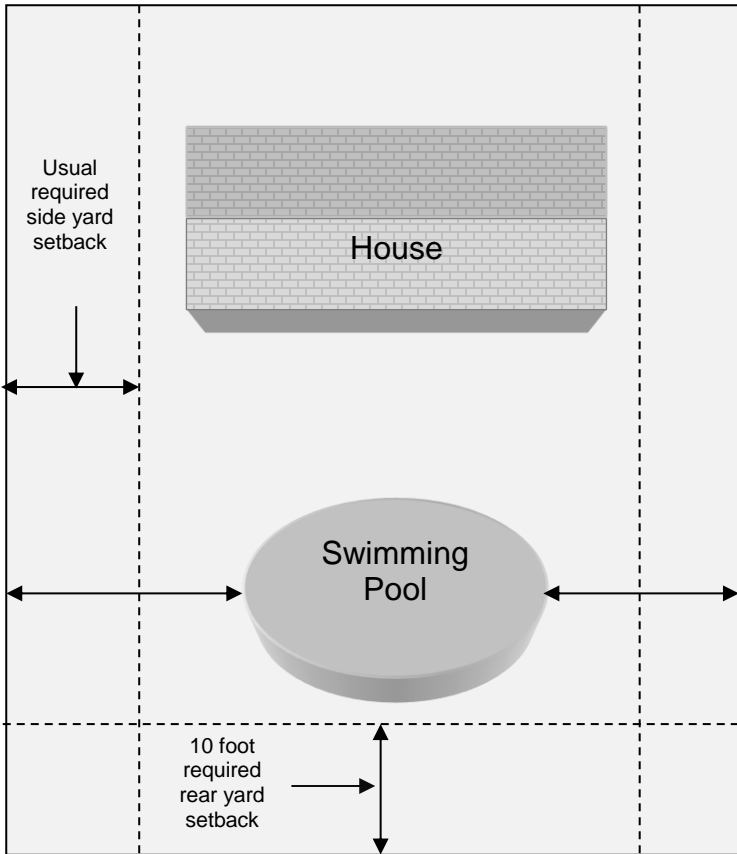
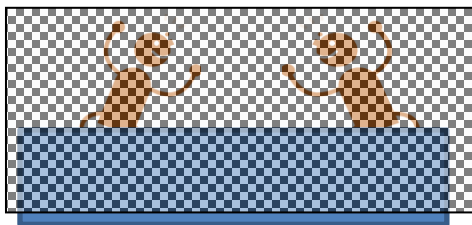


Figure 5



50% Opacity screening



Not acceptable

Figure 6

The above drawings are for illustrative purposes only. Please refer to the actual code for specific requirements.