



RESIDENTIAL SWIMMING POOL CHECKLIST

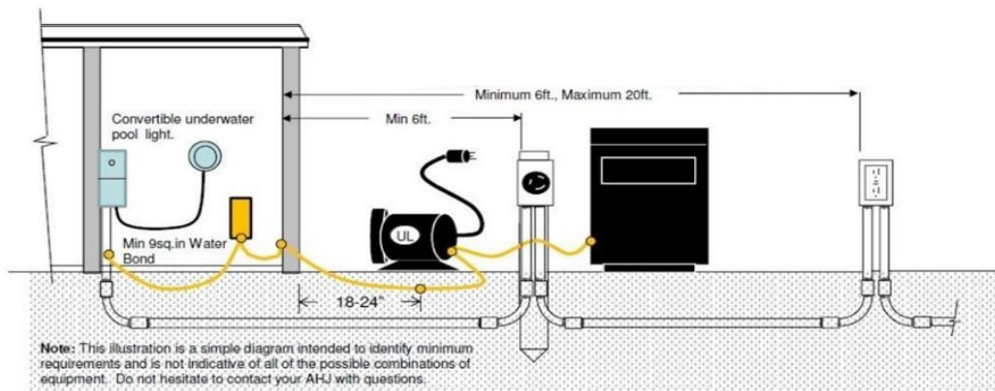
PERMIT APPLICATION & SUBMITTAL REQUIREMENTS

Pools are any structure intended for swimming or recreational bathing that contains water more than twenty four (24") inches deep. This includes in-ground, above-ground, and on-ground swimming pools, hot tubs, and spas.

- Complete a building permit application online by visiting our [Online Permitting Portal](#)
- Pool installer shall obtain a Village Contractors license prior to issuance of permits (No bonds or insurance required).
- Electrical contractor shall provide a letter of intent and a copy of their electrical license.
- Copy of contract or proposal.
- Submit a Plat of Survey indicating:
 - Proposed location of pool, pool pump, pump receptacle, pool heater, and any other pool accessories with dimensions and distances from the property lines.
 - Pool shall be a minimum of five feet (5') from the ComEd utility line. For utility locates, contact J.U.L.I.E. at 811.
 - Pool and accessories shall not be located in front or side yards.
 - Pool and accessories shall not be located in any utility or drainage easement.
 - Pool and accessories (including pool decks), shall be a minimum eight feet (8') away from all property lines.
 - Pool heaters shall be five feet (5') from the pool and eight feet (8') from the property line
- Manufacturer's brochure showing type of pool, size, and height.
- Brochures showing specifications for all electrical devices (pool filters, lights, pool pumps and heaters) and description of electrical source.
- Brochure on pool ladder (if applicable).

Barrier Requirements:

- Per the Village Zoning Ordinance, a fence shall be installed around the perimeter of the property. Provide the location, height, and type of fence barrier:
 - The top of the fence barrier shall not be less than four feet (4') above grade, measured on the side of the barrier that faces away from the pool. Such height shall exist around the entire perimeter of the property and for a distance of three feet (3') measured horizontally from the outside of the required fence barrier.
 - Swimming pool barriers shall be equipped with a gate or gates, which restrict access to the pool. A locking device should be included in the gate design. Gates should open out from the pool and should be self-closing and self-latching. When the release mechanism of the self-latching device is less than fifty-four (54") inches from the bottom of the gate, the release mechanism for the gate should be at least three (3") inches below the top of the gate on the side facing the pool. Placing the release mechanism at this height prevents a young child from reaching over the top of a gate and releasing the latch.
- Provide pool height from grade. If at any point the pool wall is less than 48" from grade, then one of the following shall be installed:
 - Fence barrier installed on top of the pool wall.
 - The top of the barrier shall not be less than forty-eight inches (48") above grade for the entire perimeter of the pool. **Provide brochure on fencing.**
 - Ladders or steps used as means of access to the pool shall be capable of being secured, locked or removed to prevent access when not in use. **Provide brochure on ladder/steps.**
 - Window/Door Alarms: Any doors and operable windows having a sill height of less than forty-eight inches (48") above the finished floor, shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be listed and labeled as a water hazard entrance alarm in accordance with UL 2017. The operable parts of the alarm deactivation switches shall be located fifty-four inches (54") or more above finished floor. **Provide cut sheets on proposed door/window alarm.**
- Clear Zone: There shall be a clear zone of not less than thirty-six inches (36") between the exterior of the barrier and any permanent structures or equipment such as pumps, filters, and heaters that can be used to climb the barrier.



Electrical Requirements:

- The pump/filter must be plugged into a receptacle protected by a ground fault circuit-interrupter located not less than six feet (6') from the pool wall. The cord for the pump/filter cannot exceed three feet (3') in length.
 - o ULTM Listed, wet location "In Use" covers for receptacle outlets.
- An additional convenience receptacle protected by a ground fault circuit-interrupter must be located not less than six feet (6') nor more than twenty feet (20') from the pool wall. An existing receptacle located on the exterior of the house or garage meeting these requirements may be used.
- Equipotential Bonding Ring: Perimeter surface bonding to either (a) structural reinforcing steel or (b) alternate means- 8 AWG copper bonding conductor following con-tour of pool, eighteen (18'') – twenty four (24'') inches away and four (4'') – six (6'') inches below grade.
- Connect all pool equipment, pool structure, pool skimmer, pool water, and all other metal parts located within five feet (5') horizontally, to a solid #8 copper equipotential bonding conductors.
- If a metallic pool or any part thereof is installed, the #8 solid bare copper conductor shall attach to four points of the bonding ring.
- Electrical conductors supplying pool equipment and outlets must be buried in electrical conduit
 - o Rigid metal conduit RMC/IMC six inches (6") deep
 - o Rigid plastic (PVC) eighteen inches (18'') deep. EGV does not permit exposed PVC

Gas Pipe Requirements (if applicable):

- The gas meter capacity shall be evaluated to determine if the gas meter must be upgraded due to the added loads on the gas service. Contact Nicor to get meter capacity evaluated. Provide verification letter from Nicor.
- Provide information on the proposed gas line and if it will be fed from the exterior meter or from an existing internal distribution line.
 - o Provide a gas pipe diagram indicating the size, lengths and total BTU's on the line. Gas piping shall comply with the 2024 IFGC
- Metallic piping and metallic tubing exposed to corrosive action, such as soil conditions or moisture, shall be protected in an approved manner.
- Underground piping systems shall be installed a minimum of twelve inches (12'') below grade.
- A yellow insulated copper tracer wire shall be installed adjacent to underground non-metallic piping (anodeless riser) and terminate above ground at each end.
- The tracer wire shall not be less than 18 AWG and the insulation type shall be suitable for direct burial.

Must comply with the following Codes:

- 2024 International Residential Code
- 2024 International Swimming Pool and Spa Code
- 2024 International Fuel Gas Code
- 2023 National Electrical Code
- Elk Grove Village Zoning Ordinance

INSPECTIONS:

Inspections are scheduled by calling (847) 357-4220 between the hours of 8:00 a.m. and 5:00 p.m. Monday through Friday. Please have the **permit number** and **site address** ready. In addition, please allow a minimum of 24 hours when scheduling an inspection.

- SWIMMING POOL WALL (BEFORE FILLING WITH WATER)**
- ELECTRICAL**

- MECHANICAL**
- FINAL**