

SWIMMING POOLS

Permit Information:

- Completed permit application including the estimated cost of construction and all contractors and their contact information. All contractors/subcontractors must have a copy of their license, surety bond and liability insurance on file for each job done in the Village of Lakemoor.
- **One (1) copy of your plat of survey** with the swimming pool dimensions and location, pool equipment location, and fence/safety barrier location marked clearly on the plat.
- **One (1) copy of the manufacturer specifications** for the pool equipment.
- HOA approval letter (if necessary).
- Once submitted, the Village reviews the documents for compliance with Village codes and ordinance. The Village will contact you when the permit is ready for pickup

Location Guidelines: (not all inclusive)

- Pools are only allowed in the rear yard
- Pools, pool decks and appurtenances shall be setback at least 10'-0" from the side and rear property lines.
- Pool cannot be in any easements (i.e. drainage, utility, etc.)

Barrier/Fence Guidelines: (not all inclusive)

- There are a variety of safety barriers which have been approved to keep your pool area safe:
 - A wall or fence barrier is required to be a minimum of 5 feet high and not climbable.
 - All gates into the pool area must swing away from the pool, be self-locking, self closing and be of the same construction as all of the other safety barriers. The self-locking device must be at least 54" above grade and with the latch located on the poolside of the gate.
 - New fences cannot be constructed next to an existing fence. If your neighbor has already installed a fence, check to verify that the existing fence meets pool requirements. If it does not, you must obtain a signed release from your neighbor which allows you to remove their fence and construct a barrier on your property. If your neighbor is not agreeable to this solution, you must fence your pool only.
 - The pool wall (or pool wall with an additional barrier on top) can be used as long as the height from the ground/deck by the pool to the top of the pool wall/barrier is 60".
 - Above ground pools must have a removable or lockable ladder. You may enclose the ladder as well, as long as the enclosed area is lockable and meets safety barrier requirements.
- A house wall as a safety barrier guidelines:
 - The side of the home can also be used as a safety barrier but this requires a number of additional criteria be met to make your pool area safe for everyone.
 - If the side of the home being used as a safety barrier has a door with direct access to the pool, the door must have an audible alarm on it. Audible alarms must have the following features;

- The alarm must sound within 7 seconds of the door opening and must sound for 30 seconds or more.
- It must be loud (85dB at 10 feet) and a differently distinct sound from any doorbell, smoke alarm or telephone in the home.
- It must have an automatic reset feature with a deactivation switch or a touch pad installed 54 inches above the floor which can deactivate the alarm for no more than 15 seconds.
- Any doors opening into the pool area must be self-closing, self-latching with the release 54 inches above the floor and they must swing away from the pool area.
- A deck that is attached to the house and opens on to the pool and provides direct access from the door to the pool must have alarms on the doors

Electrical Guidelines: (not all inclusive)

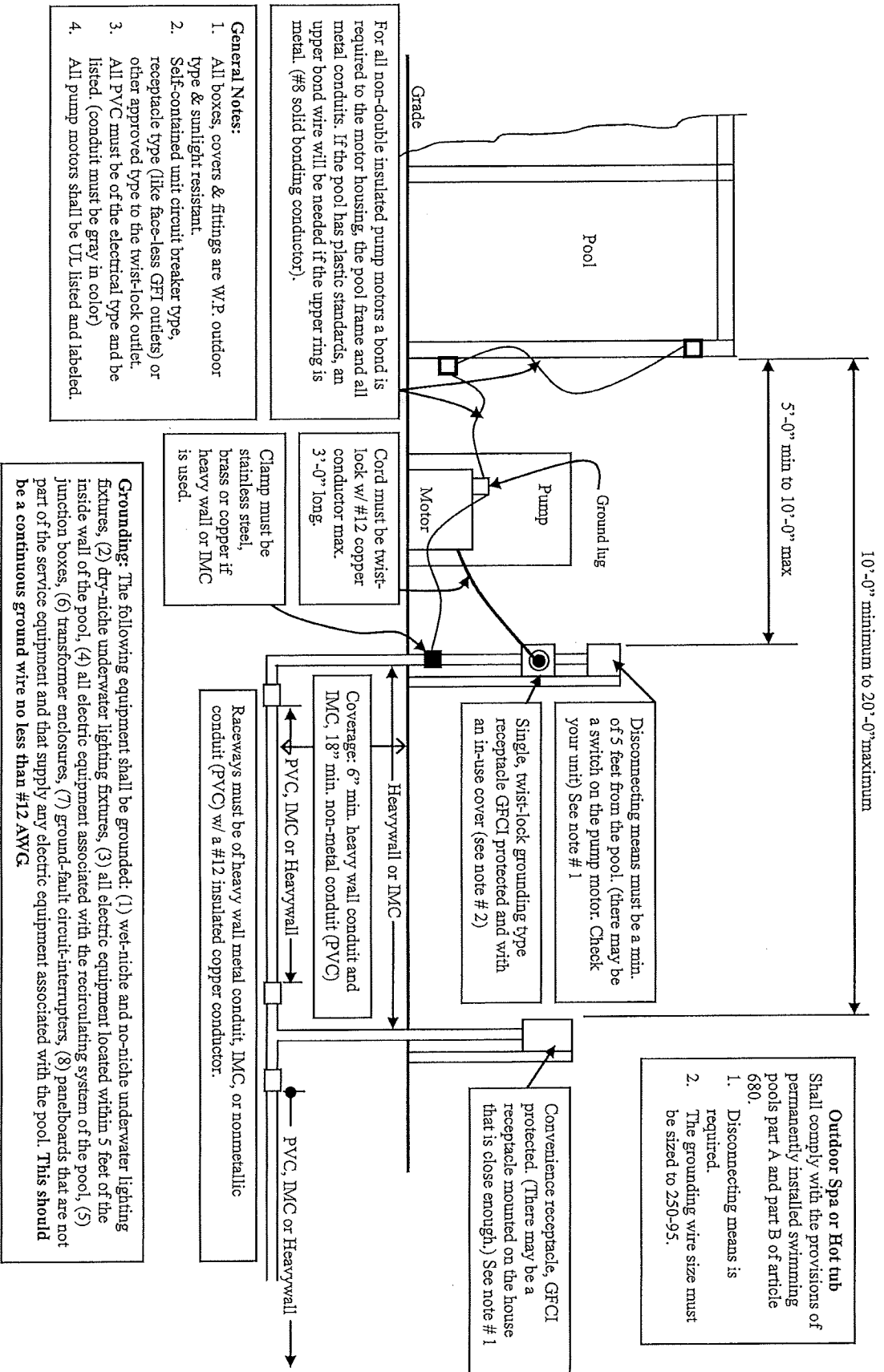
- There are a number of things you need to keep in mind when installing the electrical work needed to run your pool:
 - Underground conductors are not permitted within 5 feet horizontally from the pool wall. Please consult the Administration and Development for the requirements for overhead service.
 - No receptacles can be located within 10 feet of the pool walls. One GFCI protected receptacles of the twisting locking and grounding type is permitted to be used for the pump and filter is permitted between 6 and 10 feet.
 - All outdoor receptacles shall be GFCI protected.
 - All metal parts within 3'-0" of the pool shall be bonded with a #8 solid conductor. This includes the pool structure, fencing, metal decking, hardware, pumps, filter housing, etc.
 - Conduit must be buried at a minimum depth of 6 inches for intermediate or rigid metallic conduit and 18 inches for nonmetallic conduit. EMT is *not* permitted.
 - The minimum size conductor is #12.

Inspections:

- Allow for 24 hours advance notice on all inspections. (Inspections are M-W-F, except holidays).
 - **Stake Out: J.U.L.I.E location markings must be visible and pool location must be marked. State Law requires the actual person doing the digging to contact J.U.L.I.E. at least 48 hours before start of the project at 1-800-892-0123.**
 - Underground gas: The trench must be at least 18 inches deep and also have a yellow solid #14 tracer wire located inside the trench next to the approved plastic gas pipe. Approved metal gas piping is allowed above the ground as long as it is painted with approved paint for rust protection.
 - Underground electric: The electrical and gas lines/pipes may not be located in the same trench. The two separate trenches must be at least 12" apart.
 - Bonding grid/backfill (in-ground pools only).
 - Pool deck base
 - Fence post holes (if applicable)
 - Final: Includes completion of the safety barrier. **Owner or contractor must be on site for the final inspection.**

Reminders:

- Homeowner's Associations (HOA) may have covenants, conditions and restrictions that are more restrictive than the Village of Lakemoor's Zoning Ordinances. Therefore, it is the responsibility of the homeowner to acquire approval from their Homeowner's Association for any construction proposed under this building permit.
- If you questions on your project, you are encouraged to contact the Village of Lakemoor Building Department at (815) 385-1117.



10'-0" minimum to 20'-0" maximum

5'-0" min to 10'-0" max

Outdoor Spa or Hot tub
 Shall comply with the provisions of permanently installed swimming pools part A and part B of article 680.
 1. Disconnecting means is required.
 2. The grounding wire size must be sized to 250-95.

Convenience receptacle, GFCI protected. (There may be a receptacle mounted on the house that is close enough.) See note # 1

Disconnecting means must be a min. of 5 feet from the pool. (there may be a switch on the pump motor. Check your unit) See note # 1

Single, twist-lock grounding type receptacle GFCI protected and with an in-use cover (see note # 2)

Heavywall or IMC
 Coverage: 6" min. heavy wall conduit and IMC, 1.5" min. non-metal conduit (PVC)

PVC, IMC or Heavywall
 Raceways must be of heavy wall metal conduit, IMC, or nonmetallic conduit (PVC) w/ a #12 insulated copper conductor.

Cord must be twist-lock w/ #12 copper conductor max. 3'-0" long.
 Clamp must be stainless steel, brass or copper if heavy wall or IMC is used.

For all non-double insulated pump motors a bond is required to the motor housing, the pool frame and all metal conduits. If the pool has plastic standards, an upper bond wire will be needed if the upper ring is metal (#8 solid bonding conductor).

- General Notes:**
1. All boxes, covers & fittings are W.P. outdoor type & sunlight resistant.
 2. Self-contained unit circuit breaker type, receptacle type (like face-less GFI outlets) or other approved type to the twist-lock outlet.
 3. All PVC must be of the electrical type and be listed. (conduit must be gray in color)
 4. All pump motors shall be UL listed and labeled.

Grounding: The following equipment shall be grounded: (1) wet-niche and non-niche underwater lighting fixtures, (2) dry-niche underwater lighting fixtures, (3) all electric equipment located within 5 feet of the inside wall of the pool, (4) all electric equipment associated with the recirculating system of the pool, (5) junction boxes, (6) transformer enclosures, (7) ground-fault circuit-interrupters, (8) panelboards that are not part of the service equipment and that supply any electric equipment associated with the pool. **This should be a continuous ground wire no less than #12 AWG.**