Swimming Pool Supplement

PERMIT SUBMITTAL REQUIREMENTS

Call JULIE 1.800.892.0123 to locate all underground utilities prior to permit submittal.

☐ 3 copies of the plat of survey for the property
☐ Pool dimensions: Length ________ Width ________ Height ________
☐ Above Ground: ________ In-Ground: ________
☐ Drawings or plans indicating construction of the pool
☐ Details on the safety barrier and gate (see SAFETY BARRIERS Information)
☐ Details on the electrical installation (see ELECTRICAL REQUIREMENTS Information).

INDICATE THE FOLLOWING ON THE SITE PLAN AND PLAT OF SURVEY:

- Pool location on the lot
- Distance to the lot lines and house.
- Location of overhead or below grade utilities.
- Location of safety barrier.
- Location of gate in safety barrier.
- Location of ladder; Minimum of one ladder required per pool.
- Type of pool drainage system and area of drainage.
- Location of light fixtures and switches.
- Location of pump and convenience outlets (see diagram) and indicate distances.
- Location of the pool cleaning equipment: pump, overgutters, skimming devices (1 skimmer per 1,000 s.f. required).
  - Area calculation:
    - Round Pool = 3.14 x radius x radius
    - Rectangular Pool = length x width
- Location of pool deck if applicable. A pool deck will require additional details. Please see the deck supplement for more information.

SAFETY BARRIERS

- A side of the house used for the safety barrier with a door with direct access to the pool must have an audible alarm on the door or a power safety cover.
- **Alarm** -- commence within 7 (seven) seconds of door opening -- sound for 30 seconds measuring 85 dBA at 10 feet, distinctive sounds, automatically reset, deactivation touch pads 54 inches above thresholds for a single opening allowed.
- Doors opening onto the pool area -- self-closing, self-latching, release 54 inches above the floor, swing away from pool area.
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- A deck which opens onto the pool will require a safety barrier from the deck or the deck must comply with the safety barrier requirement including stairs and gate.
- A deck which opens onto the pool and on the house which provides direct access from the door to the pool must have alarms on the doors or a power safety cover.
- Pedestrian gates shall swing open from the pool, be self-closing, self-locking, and shall meet the same construction requirements as all safety barriers.
- Gates other than pedestrian gates shall have a self-latching device and comply with other requirements.
  - Self-latching device shall be 54 inches above grade or 3 inches below the pool side of the gate. No openings larger than ½ inch shall be allowed in the gate construction within 18 inches of the latch.

APPROVED SAFETY BARRIERS

ADDITIONAL INFORMATION

- A vacuum breaker is required on any threaded source of water used for filling a pool.
- Pool ladder shall be able to be removed, secured, locked or provided with an approved barrier or gate.
- Steps must slip resistant with handrails on both sides.
- Zoning Restrictions - Swimming pools must be located entirely behind the rear line of the building of the principal structure on the lot in the R-1, R-A, R-2 and R-X districts. Swimming pools will not be permitted in any required front, side or exterior side yards. Pools are permitted to encroach into the rear yard provided a minimum of fifteen (15') feet is maintained from the rear property line to the edge of the structure. For additional information, see the Village's Zoning Code.
**ELECTRICAL REQUIREMENTS**

- **Permanent Pools:** Pools with a depth greater than 42 inches or which are not taken down and stored over the winter.
- **Storable Pools:** Pools with a maximum depth of 42 inches or which are taken down each season.
- Type and size of conduit and conductor for electric supply or pump or outlet.
  
  - Conductor _______________________  Conduit __________________________
  - Type of light fixture, switches and receptacles.
  - Permanent Pools - maximum length of pump cord 3 feet
  - Ground for receptacles - Minimum #12, protected and connected to the grounding terminal bus of the service pane or sub-panel.
- Additional electrical requirements are included, that are regulated by the Electric Company.

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**ALLOWABLE ELECTRIC LOCATIONS:**

**AREA A:** Lighting fixtures, lighting outlets, and ceiling fans permitted above 12'-0". Ceiling fans are common where pool is located in cabana-type structure. Section 680-6(b)(1).

**AREA B:** Lighting fixtures, lighting outlets, and ceiling fans are not permitted below 12'-0". Section 680-6(b)(1).

**AREA C:** Existing lighting fixtures and lighting outlets permitted in this space if rigidly attached to existing structure (GFCI required). Section 680-6(b)(1), Exception 1.

**AREA D:** Lighting fixtures and lighting outlets permitted if protected by GFCI. Section 680-6(b)(1).

**AREA E:** Lighting fixtures and lighting outlets permitted if rigidly attached. Section 680-6(b)(1).
Electrical Information for Above-Ground Pools
2014 NEC

- Overhead wiring must be at least 22 5/27 above (depending on voltage) and 10' horizontally from water level. Underground wiring must be at least 5' horizontally from pool. (Unless wiring is for pool related equipment). 680.8, 680.10
- NOTE: ComEd does not permit their conductors above a pool.

- Pool light cord must be plugged in a min. of 6' from pool. 680.22(A)(3).

- #8 solid bonding conductor 680.26.

- 6' Minimum to 20' Maximum 680.22(A)(3).

- All Feeder Panels (sub-panels) must be supplied with proper sized equipment ground wire. 680.25(B).

- Convenience outlet GFCI protected. (May be an outlet on house that will qualify). 680.22(A)(3).

- Disconnecting means is required—may be receptacle. (See below). 680.12

- Single (if <10'), grounding type receptacle, GFCI protected. 680.22(A)(1)
  Provide in-use cover 406.8(B)(2).

- Cord must be max 3' long with #12 min. ground conductor. 680.21(A)(E).

- 6" minimum RMC conduit (300.5)
  18" minimum PVC conduit.
Swimming Pool Supplement

Electrical Information for In-Ground Pools

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