

## SWIMMING POOL INSPECTIONS

**The required inspections** for your project are marked on the permit and follow the inspections under the UDC and NEC 680. It is the applicant's responsibility to request inspections at the appropriate times during the project.

### Erosion Control

- Inspected at every inspection. Erosion control measures include keeping adjacent properties free from blowing construction materials and run-off sediment from rainfall etc.

### Footing/Framing

- Request either inspection type on the inspection request form as these will be inspected at the same time
- Panels installed
- This inspection is BEFORE pouring concrete

### Electric Rough-in

- Pumps and motors shall be listed and identified for use with "permanent pools."
- Motors may be hard wired or cord connected. If cords are used they may not be longer than 3 feet in length. NEC 680.8 • Equipment grounding conductors shall be insulated and made of copper. NEC 680.21(A)(1)
- All equipment grounding conductors shall be sized in accordance with NEC 250.122 but in no case shall be smaller than 12AWG. NEC 680.21(A)(1)
- Disconnecting means must be readily accessible. Unless separated by a permanent barrier the disconnecting means shall not be located within 5 feet from the inside edge of the pool and must remain within sight of the equipment served. NEC 680.13
- At least one general purpose receptacle must be located NOT LESS THAN 6 feet and NOT MORE THAN 25 feet from the water's edge. It MUST NOT be on the same circuit as the pool pump circuit. NEC 680.22(A)(1)
- All 125 volt 15 amp or 20 amp receptacles located within 20 feet of the inside walls of the pool must be GFCI protected. NEC 680.22(A)(4)

### HVAC

- Gas Line pressure test
- Location of any gas regulators

## Bonding

- Bonding conductors shall be solid copper not smaller than 8AWG. NEC 680.26(B)
- Connections to be buried shall be identified for use. (i.e. concrete encased/direct burial)
- Bonding conductors are not required to extend to panel boards or service. NEC 680.26(B)
- All fixed metal parts, regardless if it is associated with the pool or not, shall be bonded if it is located within 5 feet horizontally from the inside wall of the pool. All metallic pool parts shall be bonded. This includes, but is not limited to pool pump motors, pool heaters, underwater lighting, placeholders for stairs, diving boards and pool cover parts. NEC 680.26(B)(1-7)
- Perimeter bonding shall be installed 18" to 24" from the inside wall of the pool and secured 4" to 6" under the surface. Conductive pools require 4 equal points of attachment to the bonding conductor. Non-conductive pools require 1 point of attachment to the bonding conductor. A "non-conductive" pool may have a metallic shell with a vinyl or composite liner. Unless such liner exists the pool would be considered conductive. NEC 680.26(B)(2)
- Where no bonded parts are in direct contact with the water a means shall be made to make at least 9 in.2 to be in contact with pool water. (i.e. a brass nipple with an approved ground clamp) NEC 680.26(C)

## Final

### Above-ground pool

- Are pool sidewalls of adequate height per municipality ordinance?
- Is lockable ladder installed?
- Are pool and equipment properly grounded.?
- Is pool equipment/electrical equipment at least 10 ft. from pool edge ( 6 ft. if powered by a single lockable receptacle)?
- Is the plug- in equipment cord not longer than 3 ft?
- Is there one general purpose GFCI receptacle installed not less than 6 ft. nor more than 20 ft. from the inside of pool wall ? Does the receptacle have a weather proof cover?
- Is erosion control in place or site stabilized?

### In-Ground Pool

- Is there lockable cover and/or (depending on municipal requirements) a non-climbable fence installed?
- Is pool equipment properly grounded?
- Is pool equipment located 10 ft. from pool wall?
- Is there one general purpose GFCI receptacle installed not less than 6 ft. nor more than 20 ft. from the inside of pool wall ? Does the receptacle have a weather proof cover?
- Is erosion control in place or site stabilized?