



Community Development Department

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SWIMMING POOLS – ABOVE GROUND

PERMITS Permits are required for all new swimming pools or exterior spas, 2 feet or greater in depth and intended for the immersion or partial immersion of human beings. Permits expire twelve months from the date of issue.

CONTRACTORS Contractors are required to be licensed by the Village of Schiller Park. Plumbing Contractors must have a state license and Electric Contractors must have a current registration along with Bond & Insurance requirements to obtain a village license.

APPLICATION **Two copies of the following must be included with a completed permit application:**

1. Accurate plat of survey indicating the size and specific location of the pool; location and type of electrical service; type, size and location of all fences and gates; location of the water source; location of the power source and location of all other structures and improvements.
2. Specifications for the pool and equipment – available from the pool supplier. Please submit a copy.
3. Verification the electrical source is GFCI protected and will be weather proof during use, the water source will have permanent backflow prevention, all gates will be self closing and self latching and that all doors of the home accessing the pool area will be equipped with an alarm or will be self closing and self latching.

OTHER INFO **Every outdoor swimming pool having a depth of over 18" MUST be completely surrounded by a FENCE not less than 4' in height. Please refer to the Fence Handout for specific fence requirements.**

- The pool location must be in the rear yard and comply with lot line setbacks as set forth in Schiller Park Zoning Ordinance (3 ft + 2 ft for each additional foot over 4 ft in height).
- The pool is to be horizontally located 25' from the subdivision/high voltage lines, 10' from the overhead electrical service to the house, and 5' from an underground service to the house.
- A heated pool requires an approved pool cover and shall be installed during those periods when the use of the pool is discontinued for a period of time in excess of 48 hours.
- Electrical extension cords are NOT permitted.
- Gates shall be self closing and self latching.
- Fence posts must not be more than 10 feet apart and must be decay and corrosion resistant and set in concrete.
- Door alarms are required on all doors and screens that access the pool area. The alarm will activate within seven seconds after the door or screen is open and will sound continuously for 30 seconds at 85 dBA, ten feet away
- Vacuum breakers (Watts N8 non-freeze) or backflow prevents are required on the hose bib.
- Permanent in ground pools have additional requirements that are available upon request.

All inspections require minimum 24 hour notice. Inspections Required:

1. Rough Electric
2. Final Electric
3. Final

THE INFORMATION CONTAINED IN THIS HANDOUT SHOULD BE USED AS A GUIDE ONLY. IT IS NOT INTENDED TO BE TOTALLY INCLUSIVE OF ALL REGULATIONS/ORDINANCES REGARDING THE ERECTION AND OR USE OF A POOL. FOR SPECIFIC QUESTIONS PLEASE CONTACT COMMUNITY DEVELOPMENT AT 847-671-8555.

ABOVE GROUND SWIMMING POOL CHECK LIST TO THE 2005 N.E.C.

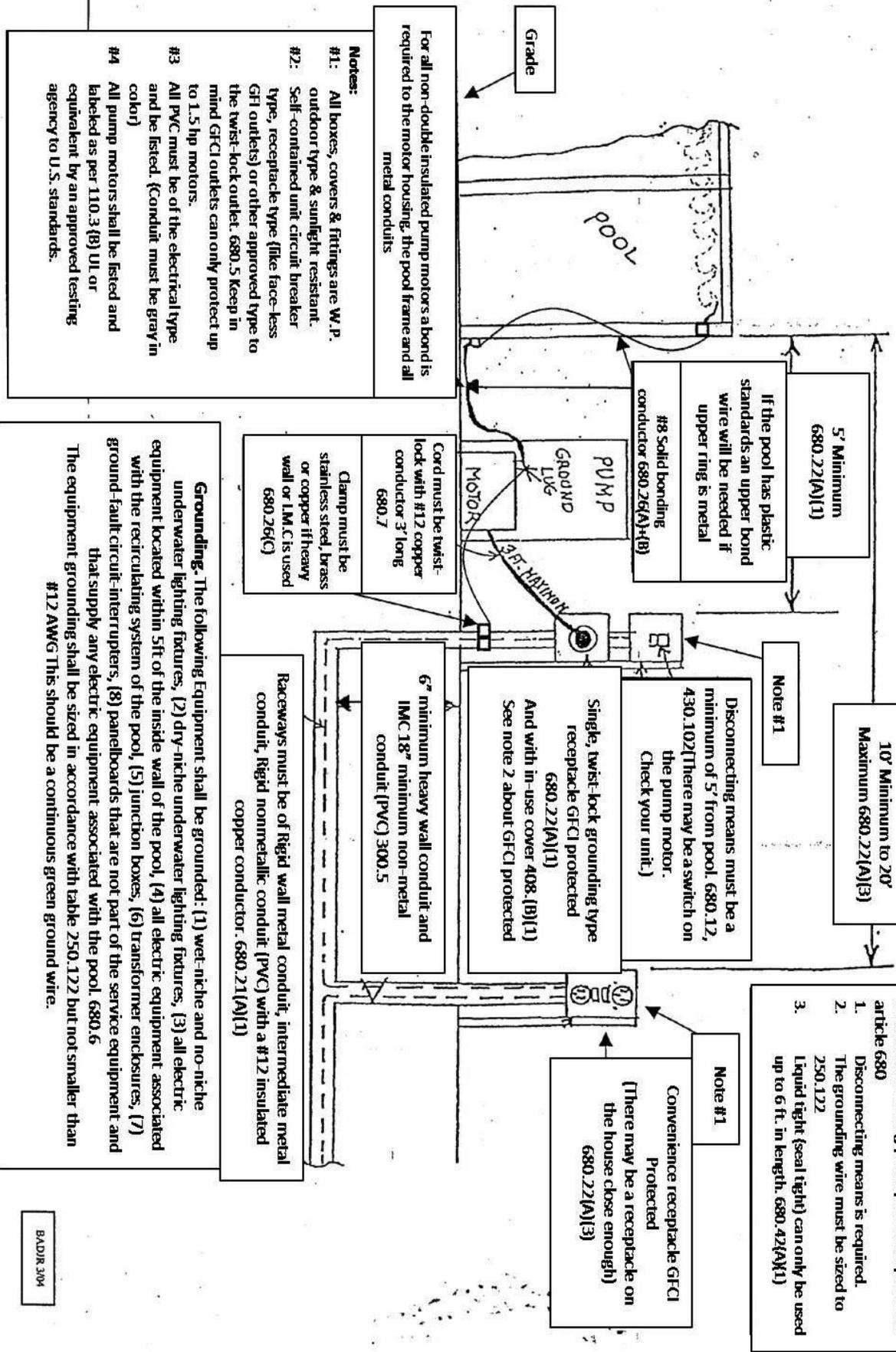
1. IS THERE UNDERGROUND CONDUCTORS WITHIN 10 FT. HORIZONTALLY FROM THE INSIDE WALL OF THE POOL? 680.10
2. IS THERE OVERHEAD ELECTRICAL CONDUCTORS IN THE AREA EXTENDING 10 FT. HORIZONTALLY FROM THE INSIDE WALL OF THE POOL AND 22.5 FT. UP FROM THE WATER LEVEL? 680.8
3. IS THE PUMP MOTOR THIRD PARTY LISTED TO U.S. STANDARDS WITH A LABEL FOR POOL MOTOR? (UL1081 IS THE STANDARD) 110.3(B)
4. IS THE CORD ON THE PUMP MOTOR # 123 WIRING AND NO LONGER THAN 3 FT. WITH A TWIST -LOCK PLUG? 680.7(A)
5. IS THE RECEPTACLE 5 FT. FROM THE INSIDE POOL WALL? 680.22(A)(I)
6. IS THE RECEPTACLE A TWIST -LOCK AND PROTECTED BY G.F.C.I.? 680.5 THIS MUST BE A G.F. .C.I. BREAKER OR G.F.C.I. FACELESS TYPE OUTLET, RATED FOR THE H.P. OF THE PUMP. (G.F. .C.I. OUTLETS CAN ONLY DO UP TO 10 H.P. MOTORS).
7. IS THE COVER FOR THE RECEPTACLE A "BUBBLE" COVER OR "IN-USE" COVER? 406.8(B)(I)
8. IS THERE A G.F. .C.I. GENERAL PURPOSE RECEPTACLE ON A GENERAL PURPOSE CIRCUIT 10 FT. FROM POOL WALL AND NOT MORE THAN 20 FT.? 680.22 (A)(3)
9. IS THERE A DISCONNECTING SWITCH LOCATED AT LEAST 5 FT. FROM THE INSIDE WALL OF THE POOL?
10. IS THE RACEWAY TYPE OF RIGID HEAVY WALL METAL CONDUIT, INTERMEDIATE METAL CONDUIT OR RIGID NON-METALLIC (PVC) AND LISTED FOR ELECTRICAL USE? 680.21(A) (I) & 110.3(b).
11. IS THE RACEWAY BURIED TO THE CORRECT DEPTH? RMC, IMC = 6" AND PVC IS 18" FROM THE TOP OF THE CONDUIT TO GRADE. 300.5 AND TABLE 300.5
12. THERE MUST BE A MINIMUM OF A # 12 GREEN GROUNDING CONDUCTOR WIRE INSTALLED IN THE RACEWAY 680.21(A) (I). THE WIRE MUST GREEN IN COLOR.
13. THE GROUNDING CONDUCTOR MUST PICK UP ALL JUNCTION BOXES, LIGHT FIXTURES, PUMP MOTORS, TRANSFORMER ENCLOSURES, DEVICES LIKE SWITCHES, OUTLETS, ETC. 680.6
14. IS THERE A GROUNDING CONDUCTOR BETWEEN PANEL BOARDS THAT ARE NOT PART OF THE SERVICE EQUIPMENT SUB PANELS AND THAT SUPPLY ANY ELECTRIC EQUIPMENT ASSOCIATED WITH THE POOL? 680.2 THE WIRE SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.122 AND SHALL ALSO BE INSULATED.
15. THE BONDING CONDUCTOR MUST BE A # 8 SOLID COPPER WIRE. (BARE CONDUCTOR IS "OK") THE WIRE MUST PICK UP THE POOL FRAME, (UPPER AND LOWER FRAME IF METAL) AND THE PUMP MOTOR. POOL HEATER (IF ONE) AND THE RMC OR IMC PIPING, AND ANY METALLIC PART WITHIN 5 FT. OF THE POOL. 680.26(B) (I), (2), (3), (4), AND (5).
16. IS THE BONDING CONDUCTOR CONNECTION DONE WITH A CLAMP OF THE TYPE OF STAINLESS STEEL, BRASS, OR COPPER? (NO ZINC PARTS). 680.26(C)
17. DOUBLE INSULATED PUMP MOTORS DO NOT HAVE TO BE BONDED WITH THE # 8 WIRE, BUT MUST HAVE A # 12 GREEN WIRE TO THEM.
18. IF RNC (PVC) IS USED WITH RNC (PVC) BOXES, THESE ITEMS MUST BE LISTED FOR ELECTRICAL AND SUNLIGHT RESISTANT. SUPPORT AND EXPANSION FLOORINGS MAYBE NEEDED. ARTICLE 352 (NO PLUMBING TYPE PIPES.)

Electrical Pool Information to the 2005 N.E.C. For Permanently Installed Pools

Outdoor Spa or Hot Tub 680.42

Shall Comply with provisions of permanently installed swimming pools part I and part II of article 680

1. Disconnecting means is required.
2. The grounding wire must be sized to 250.122
3. Liquid tight (seal tight) can only be used up to 6 ft. in length. 680.42(A)(1)



- 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. 680.5 Keep in mind GFCI outlets can only protect up to 1.5 hp motors.
 - #3 All PVC must be of the electrical type and be listed. (Conduit must be gray in color)
 - #4 All pump motors shall be listed and labeled as per 110.3 (f) UL or equivalent by an approved testing agency to U.S. standards.

Grounding. The following Equipment shall be grounded: (1) wet-niche and no-niche underwater lighting fixtures, (2) dry-niche underwater lighting fixtures, (3) all electric equipment located within 5ft 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. 680.6

The equipment grounding shall be sized in accordance with table 250.122 but not smaller than #12 AWG. This should be a continuous green ground wire.

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