

Pools

All above ground, in ground, and public pools (public pools shall be built and maintained in accordance with the State Board of Health rules). No permit is required for seasonal pools under 4 feet in height unless there is a filtering system, then an electrical permit is required.

Application Requirements

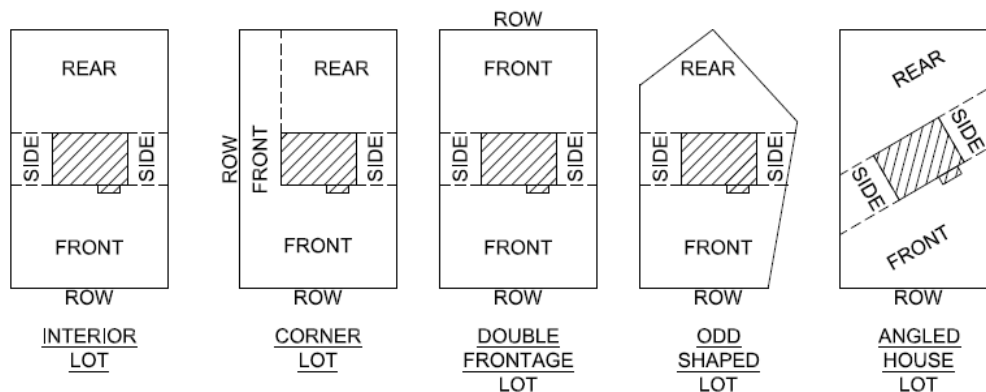
1. Survey of Property **drawn to scale**, showing all existing structures, proposed pool, decking, fencing, and overhead or underground electrical wiring.
2. Type of pool installation (above ground or in ground)
 - Above ground - Pool height above the highest point of grade.
 - In ground – A grading plan is required, which shall show existing and proposed grades. It should account for any proposed or future patios, landscaping, grading, and/or retaining walls. All retaining walls shall conform with §275-55A(5).
3. Type and support of decking, if proposed.
4. Grading plan. Any change in finished grade near the in ground pool.
5. Waukesha County Health Department approval for properties using a private septic system.
6. One copy of the brochure which shows the types, style, etc. of the pool to be installed.

Guidelines

1. Location.
 - a. Yards. Pools shall be located in the rear yard or may be located within the side yard, but must meet side yard setbacks. Call for zoning setback.
 - b. Property line setbacks. Pools and any associated decking shall be located a minimum of 5' from all property lines.
 - c. Building setbacks. Pools shall be setbacks a minimum of 10' from any wall or structure overhang.
 - d. Well and septic. Swimming pools shall be setback from the well and septic systems in accordance with the Wisconsin State Plumbing Code (chapter ILHR 83) as follows:
 - i. Approval of the location shall be obtained from Waukesha County Health Department.
 - ii. 5' from the septic tank to the edge of the pool.
 - iii. 15' from the edge of any drain field.
 - e. Additional restrictions may apply if City easements exist on the property.
2. Fencing/Access.
 - a. A fence or other solid structure 4' or greater shall completely enclose the premises and/or swimming pool (with a water depth of 4' or greater). There shall be no opening larger than 4 inches square. All gates or doors opening through such enclosure shall be securely closed at all times while unattended and shall be equipped with a self-closing and self-latching device. Latches shall be located at least 3' above the ground, accessible deck, or stairs.
 - b. Above ground pool.
 - i. A fence is not required around an above ground pool where the pool wall is at least 4' above the grade for the full pool perimeter. The finished grade shall be maintained for a minimum of 4' beyond the outside perimeter of the pool.
 - ii. When not completely fenced, all ladders, steps, or other means of access to an above ground pool shall be removed and/or designed to prevent access when the pool is unattended.
3. Decks. All decks shall be constructed in accordance with the Uniform Dwelling Code. Decking shall be considered an integral part of the swimming pool and shall comply with the applicable setback dimensions per local zoning code and/or item (2)(A)1 and (2) (A)2.

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The items listed are a guide to help in planning your project.*

4. Drainage. In no case shall any swimming pool be drained onto the lands of property owners other than the owner of the swimming pool. Drainage from said lot shall be in accordance with any local zoning ordinance.
5. Electrical. (A separate permit is required, see below)
 - a. Separation from overhead and underground electrical wiring shall be in accordance with the State of Wisconsin Electrical Code and/or local code (overhead wiring must be minimum of 10' horizontally from the inside wall of the pool and underground wiring must be minimum of 5' horizontally from the inside wall of the pool). Required electrical wiring supplying all pools shall be installed in accordance with Article 680 of the National Electrical Code (N.E.C.). NOTE: an electric permit is required before any electrical work is performed.
 - b. Above ground pool wiring. Following is the suggested method of wiring to meet the requirements of the National Electrical Code Article 680 on swimming pools:
 - i. The underground wiring going to the pool pump motor must be in rigid metal conduit, intermediate metal conduit (IMC), or rigid non-metallic conduit (PVC). On the interior of a one family dwelling, or any recognized wiring method that contains an equipment grounding conductor not smaller than #12, copper may be used, including Romex. A minimum of a #12 insulated copper equipment grounding conductor must be run with the circuit conductors from the receptacle to the distribution panel. This conductor must have green insulation.
 - ii. The cord on the pump motor must contain a #12 equipment grounding conductor. The cord on the pump motor may not exceed 3 feet in length (N.E.C.680-7).
 - iii. A convenience outlet is required to be installed between 10 and 20 feet from the inside walls of your pool. This receptacle must be GFCI protected. No outlets may be installed less than 10 feet from your pool unless they supply power to the pump motor, then they are permitted no closer than 5 feet. Any pump motor receptacle installed between 5 and 10 feet from the pool must be of the single locking type and protected by a GFCI. The GFCI at the convenience outlet is permitted to protect the pump outlet provided the ampere rating on the motor doesn't exceed 50% of the branch circuit rating. A "rain tight" while in use" cover is required on the pump outlet.
 - iv. A typical accepted method of supporting these outdoor outlets is a treated 4 X 4 set vertically in the ground so as to secure the outlet boxes and conduits. Outlet boxes are typically mounted a minimum of 12 inches above the ground. Where subject to physical damage (post set in yard) schedule 80 P.V.C. would be required.
 - v. All metallic parts of the pool structure, all metallic parts of electrical equipment associated with the motor, and anything metallic within 5 feet from the inside walls of the pool and within 12 feet above the water line shall be bonded together with a #8 solid copper conductor.
 - vi. These guidelines do NOT pertain to spas, hot tubs, hydro massage bath tubs, in ground swimming pools or storable pools. The NEC defines a storable pool as one that is constructed on or above ground and is capable of holding water to a maximum depth of 42 inches, or a pool with non-metallic molded polymer walls or inflatable fabric walls regardless of dimension.



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