



City of St. Peters Residential Swimming Pool Guide



Based on the 2015 International Pool and Spa Code

Obtaining a Pool Permit

All swimming pools over 24" deep, or that are less than 24" deep but have a pumped filtration system, require that a permit be obtained prior to construction.

Permit Applications are available in the Building Department at City Hall...

One St. Peters Centre Boulevard, St. Peters, MO 63376

open Monday through Friday, 8:30am to 5:00pm

telephone (636) 477-6600 ext.1670

or online at... www.stpetersmo.net/building-department.aspx

To obtain a permit please submit, along with your permit application, a copy of the site plan for your property. You can find your site plan in the original paperwork you received when you bought your house. Please make a copy of the plan and indicate on this copy the following:

The size and location of the pool with distances to the property lines

How the pool and yard will be drained

How the pool barrier requirement will be met

Location Issues

Pools, pool equipment and any accessory decks shall not...

be located on any easement (check your site plan).

be located within 6 ft. of a property line.

be located in the approved side yard setback (corner lots).

be located under or near an overhead power line (service drop).

Code Requirements for Pool Construction

This is a partial list of code requirements. For specific questions or further information please contact your building department.

Barrier Requirements

If a fence is to be used as the barrier the fence must be at least 48 inches tall ,have no more than a 2 inch gap at the bottom, no openings big enough to allow a 4 inch diameter sphere to pass through and horizontal members cannot create a ladder effect. When the tops of the horizontal members are less than 45 inches they must be on the pool side and the gap for the vertical members is reduced to 1 ¾ inches. The maximum opening formed by a chain link fence is 1 3/4 inches.

Any gates in this fence shall swing away from the pool and shall be self-closing and self-latching. The handle or knob that works the latch must be at least 54" above the ground (special latches are available for shorter fences). Alternatively, at shorter

fences, the latch release can be located on the inside of the fence and at least 3 inches down from the top, but there mustn't be any openings in the fence larger than ½ inch within 18 inches of the latch release.

Larger non-pedestrian utility gates don't have to be self-closing

All gates must accommodate a locking device.

If a wall of the house will be part of the pool barrier enclosure then each door and all windows less than 48" above the interior floor that open to the pool area shall be equipped with a special alarm. These alarms shall be listed and labeled as a water hazard entrance alarm in accordance with "UL 2017" and shall be installed at least 54" above the floor

If your yard has no fence or if your fence isn't tall enough you can create the required barrier at the pool itself. If the walls of the pool are at least 48 inches tall in all places then a barrier can be installed at the point where you enter the pool. This can be accomplished in a number of ways, including building a fence, with a self-closing self-latching gate, around the ladder or steps. Install an approved ladder or steps capable of automatically being raised or secured, with the release mechanism located 54 inches above ground, preventing access.

Electrical Requirements

The electrical receptacle for the pool equipment must be GFCI protected and located between 6 and 10 feet from the pool (as measured from the inside of the pool wall). This receptacle shall be a single outlet, twist-lock type. This outlet shall have a weather tight cover that closes completely while the pump is plugged in and the outlet shall be protected by a ground-fault circuit interrupter. The code also requires there to be a GFCI protected convenience outlet located between 6 and 20 feet from the pool.

When burying electrical lines dig the trench deep enough so the ground cover over the wire or conduit will be no less than 18" if using plastic conduit, 6" if using rigid metal conduit, 24" if using wire approved for direct burial and no conduit or 12" if the wire has GFCI protection. All buried electric must be a minimum of 5 feet away from the pool wall.

Call for a "ground rough" inspection after the wiring has been installed in the trench and before the trench is backfilled.

All metallic parts of the pool structure, underwater lighting, metal fittings, equipment, pool water and a perimeter bond loop shall be bonded by a #8 copper wire buried 4" to 6" deep in a trench 18" to 24" from the pool wall and connected to a minimum of 4 points uniformly spaced around the perimeter of the pool. If the pool is nonconductive bonding at 4 points shall not be required. e. A water bonding kit is also required.

Any overhead power line (such as a service drop) must be no closer than 10 feet horizontally from the edge of the pool or, if not at least 10 feet away horizontally, then it shall be no less than 22.5 feet away in any direction from the water surface. Overhead power lines shall also be no closer than 14.5 feet to any platform serving the pool (adjacent deck, diving platform, etc.)

Inspections and Misc. Information

Please call (636) 477-6600 extension 1670 to schedule the following inspections:
The Ground-Rough electrical inspection before you backfill your trench.

The Final inspection when all work is complete.

Inspections called in by 4:00pm can usually get on the schedule for the following work day.

If you fill the pool before the barrier has been completed you must remove any steps or ladder accessing the pool. If this is not possible, or if the pool walls are less than 48 inches tall, then you must provide temporary barrier all the way around the pool.

Per City ordinance, permits become void after 180 days of inactivity. Please also note that a summons to Court may be issued if the pool is filled before a barrier has been provided.

All hose connections used to fill the pool must be equipped with an atmospheric-type or a pressure-type vacuum breaker.

