



The City of St. Peters Residential Swimming Pool Guide

**City of St. Peters
Building Department
P.O. Box 9
One St. Peters Centre
Blvd.
St. Peters, MO 63376**



Obtaining a Pool Permit

ver. 11-5-13

- 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.1670or 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
 - ✓ How the pool and yard will be drained
 - ✓ How the pool barrier requirement will be met (see Code Requirements below)
- We have provided, on the following pages, two sample site plan submittals to help you understand what type of information you will need to include with your application.

Note: If you are intending to build an in-ground (buried) swimming pool and to do the work yourself, there will be additional code requirements that are not covered in this guide. We would ask then that you please contact a City Building Inspector to discuss your project.

Code Requirements for Pool Construction¹

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). See Electrical Issues below for more information on this.
- The code requires there to be two electrical outlets: an outlet serving the pool equipment shall be located between 6 and 10 feet from the pool, and a convenience outlet shall be located between 6 and 20 feet from the pool. See Electrical Issues for additional information.

¹ This is a partial list of code requirements. For specific questions or further information please contact your building department.

Barrier Issues

Please Understand:

A swimming pool is a wonderful thing to have in your yard, but swimming pools can also be dangerous. According to the Consumer Product Safety Commission approximately 350 children age 5 and under drown in residential swimming pools every year. The circumstances of these deaths would seem to indicate that small children, after playing in a pool, have a tendency to revisit the pool later when parents aren't around. The barrier requirements outlined below were established by the International Code Council and are meant to help prevent such tragic deaths.

- In order to control children's access to the pool a barrier system shall be provided. There are different ways to accomplish this...
- If a fence is to be used as the barrier the fence...
 - ☞ must be at least 48 inches tall in all places.
 - ☞ have no more than a 2 inch gap at the bottom.
 - ☞ must not have horizontal members that create a ladder effect.
 - ☞ must not have openings big enough to allow a 4 inch diameter sphere to pass through.
- 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 leading to the pool area shall be equipped with a special alarm. These alarms shall be labeled with Underwriters Laboratories listing "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 it's often easiest to create the required barrier at the pool itself. If the walls of the pool are at least 48 inches tall in all places (Pool suppliers can provide short fencing which attaches to the rim of the pool for those places where it is less than 48 inches high) then a barrier can often be installed only at the point where you enter the pool. This can be accomplished in a number of ways, including...
 - ☞ Build 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. (Please submit the manufacture's literature for this type of ladder.)
 - ☞ Build a deck next to the pool and provide a 48 inch tall gate at the bottom of the stairs going up to this deck, as shown in Sample Submittal #2. Note: With this approach the top of the railings on the sides of the stairs should not dip below 48 inches above the ground. There should also be a 36 inch deep landing space between the bottom step and the gate.

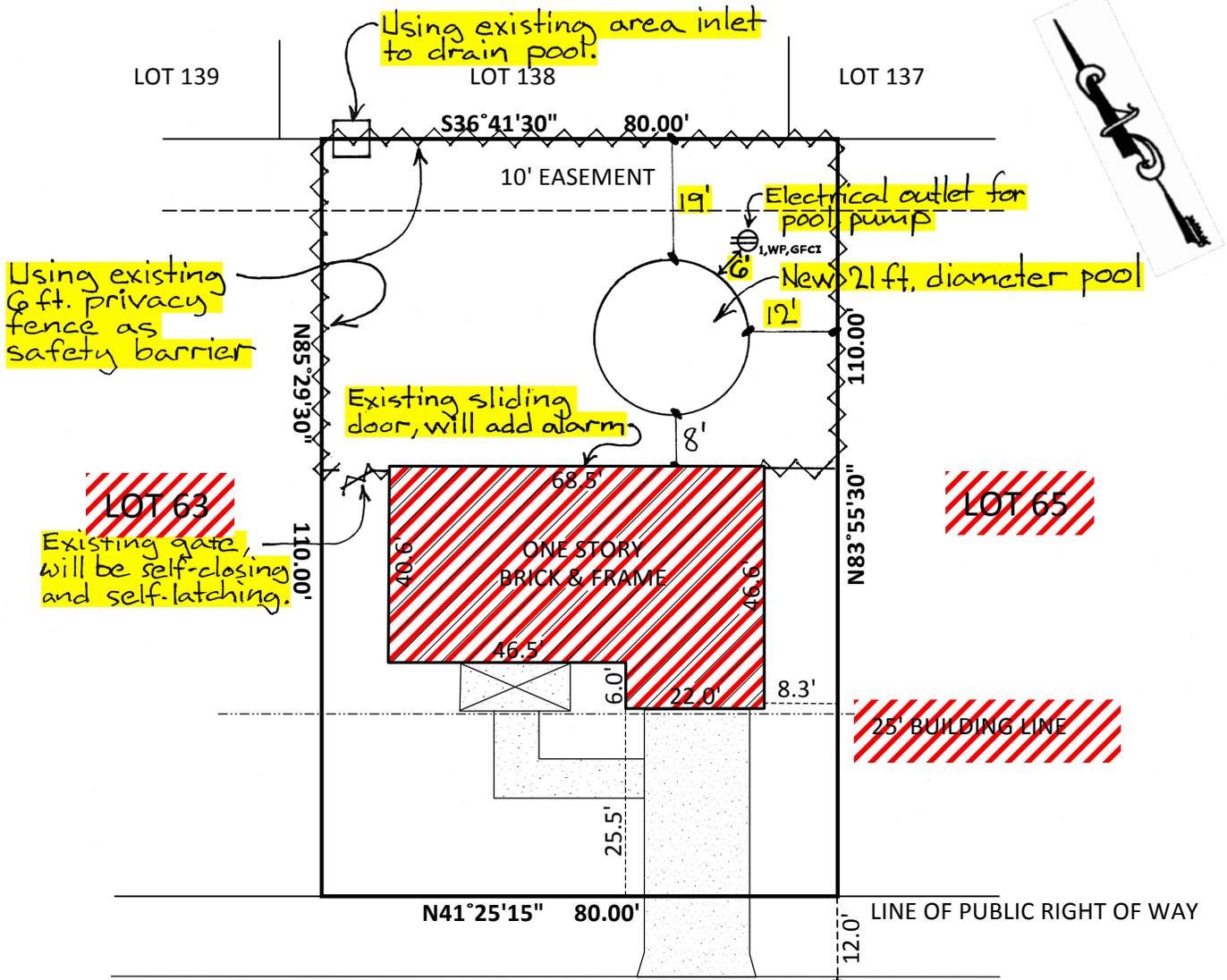
Electrical Issues

- 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 cover that closes completely while the pump is plugged in and the outlet shall be protected by a ground-fault circuit interrupter.
- In order to reduce the likelihood that extension cords will be used near the pool 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 (e.g.; the circuit has a GFCI breaker)
- Call for a "ground rough" inspection after the wiring has been installed in the trench and before the trench is backfilled.
- 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.)
- As a further safety measure the code now requires that the pool water be electrically bonded to ground. Your pool supplier should be able to provide the equipment/information necessary to accomplish this.

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.
- Note: 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 (e.g., orange mesh) construction fencing all the way around the pool.
- Note: 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.

SURVEYORS REAL PROPERTY REPORT



SCALE: 1" = 30'

SAMPLE #1 SUBMITTAL

THIS SHALL CERTIFY THAT AT THE REQUEST OF ST. PETERS TITLE COMPANY WE HAVE, ON THE 12TH DAY OF JULY, 2004 MADE A SURVEYORS REAL PROPERTY REPORT ON LOT 64 OF SAINT PETERS ESTATES, PLAT ONE AS RECORDED IN PLAT BOOK 14 ON PAGE 38 IN THE RECORDS OF ST. CHARLES COUNTY IN MISSOURI AND THE RESULTS OF THIS SURVEYORS REAL PROPERTY REPORT ARE PRESENTED ON THIS PLAT.



ST. PETERS SURVEYING & ENGINEERING CO.

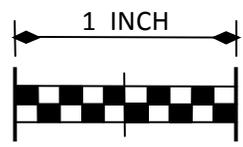
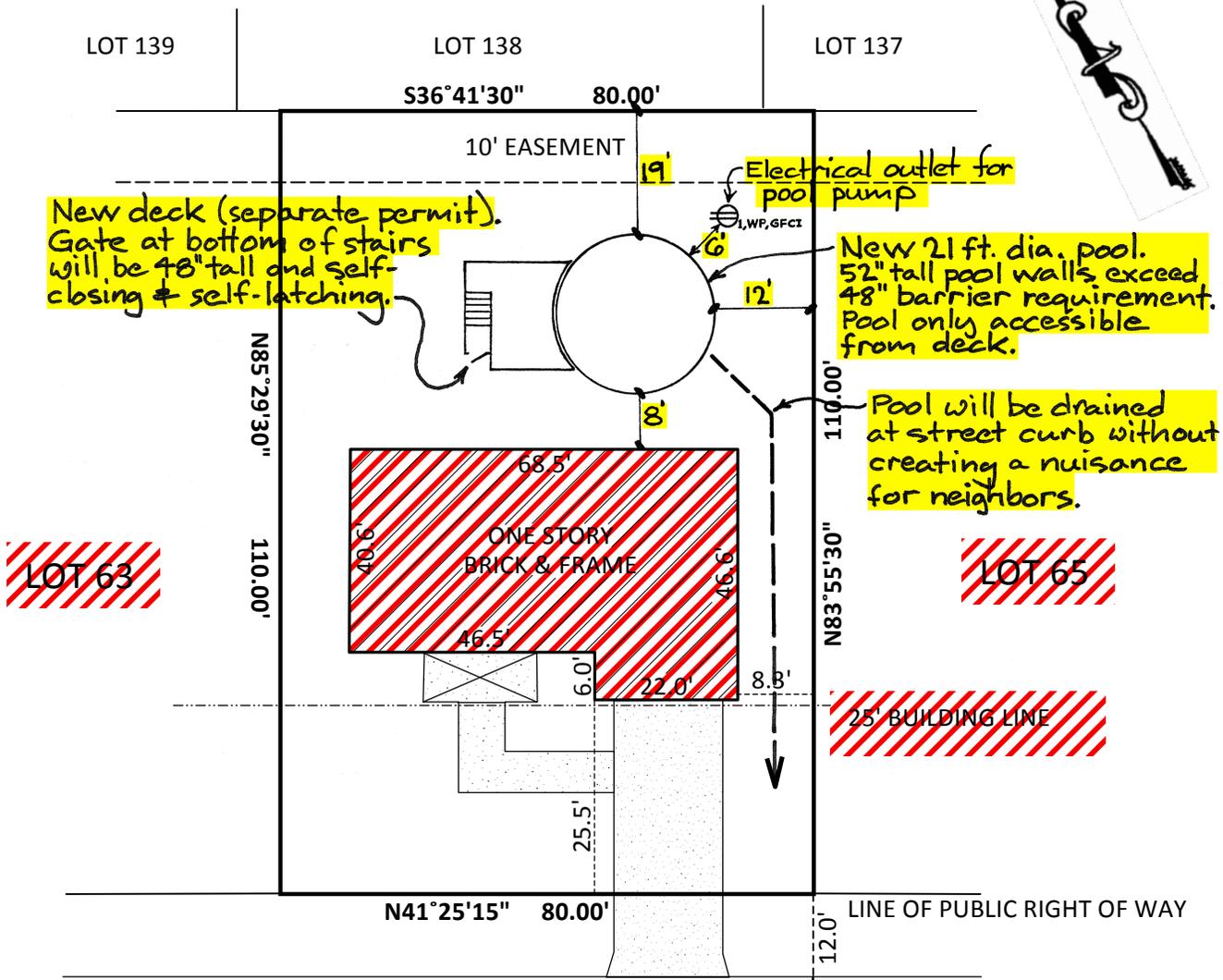
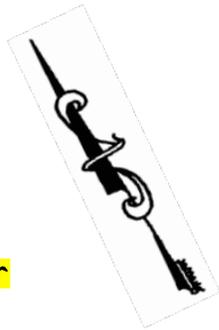
919 SAINT PETERS AVE, ST. PETERS, MISSOURI 63376

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SURVEYORS REAL PROPERTY REPORT



SCALE: 1" = 30'

SAMPLE SUBMITTAL #2

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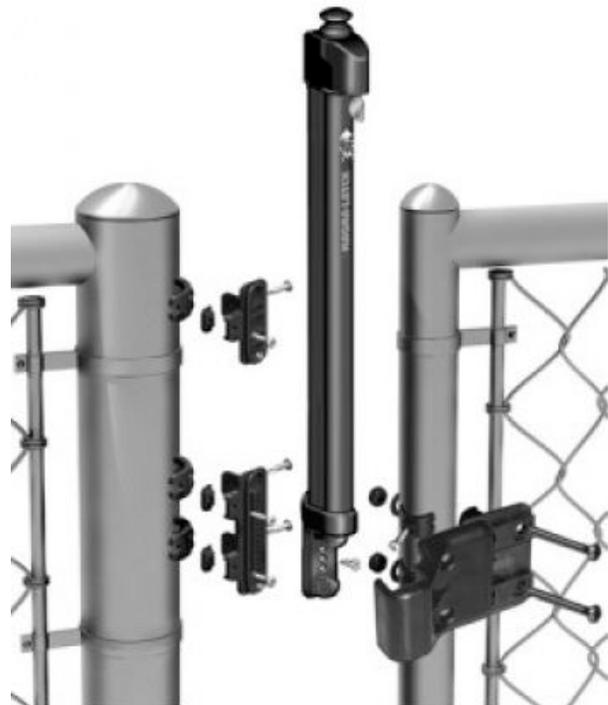
The reason for a barrier at your pool...



Typical entry system; gate must be spring loaded so it swings shut and latch release must be at least 54" high.



If the pool walls are at least 48" tall, a barrier can be provided just at the ladder.



Special gate latch with an extension that meets the 54" high latch release requirement.

Helpful Pictures