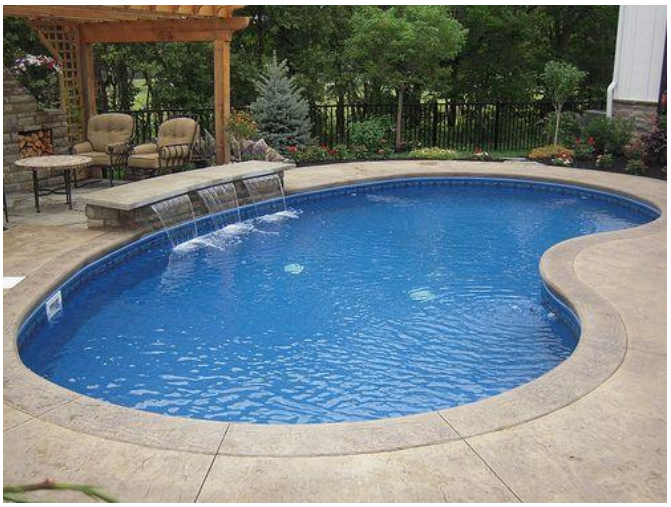

REQUIREMENTS TO OBTAIN A BUILDING PERMIT FOR A RESIDENTIAL SWIMMING POOL

Residential swimming Pool permits

Apply for a Residential Building Permit for a swimming pool. This information packet will help you prepare and organize the necessary information to help speed up the plan review process and turnaround time for building permits. Be prepared to provide all the information requested in electronic format so that it can be submitted electronically.

Create a My City Inspector account or Login here

Create an Account https://roycity.mycityinspector.com/register?registration_id=159b947e1ab6a0

Login to My Account https://roycity.mycityinspector.com/login

Roy City Residential Swimming Pool Plan Review & Check List

PROJECT ADDRESS:		ZONE:	
SUBDIVISION:		LOT #:	
TYPE of PROJECT:			
OWNER'S NAME:		Phone #	
Email:			
BUILDER'S NAME:		Phone #	
Email:			

- The issuance of a permit based upon plans, specifications and other data shall not prevent the building official from thereafter requiring the correction of errors in said plans, specifications and other data, or from preventing building operations being carried on thereunder when in violation of this code or of any other ordinance of this jurisdiction. The building official is also authorized to prevent occupancy or use of a structure where in violation of this code or any other ordinance of this jurisdiction.
- This checklist is not intended to indicate any change in any code or ordinance by inference or omission.
- The review does not indicate that no other code violations may exist on the plans, nor does it release the contractor/owner from building according to code.

There shall be a permit application filled out and submitted with a complete set of plans. The plans shall include, but not limited to the following items. Please provide the following information on the plans.

1. **PLANS**

1. Provide a site plan showing location of pool on the lot. Provide all dimensions from property lines and any structures in the rear yard as well as dimensions from the dwelling unit. **Plans**

1.1. There shall be a complete set of plans provided for the construction of the pool. Plans shall include piping diagram, electrical, equipotential bonding grid, steps, ladders and handrails etc

1.1. Provide building plans that include the information listed below.

2. **ELECTRICAL**

1.2. The installation of all swimming pools and the electrical wiring and equipment associated with the swimming pool shall conform to Chapter 42 of the 2012 I.R.C or Article 680 of the 2011 N.E.C. All overhead conductors shall meet the clearances as per Table E4203.5 and Sec. E4203.6.

1.3. Underground wiring shall not be installed under or within 5 feet of pool. E4203.7.

1.4. Receptacles shall not be closer than 6 feet to water's edge and switches shall not be closer than 5 feet to edge of pool. E4203.1.1 and 4203.2

1.4.1. GFCI Requirement

1.4.1.1. There shall be at least one 15 or 20 amp GFCI protected receptacle within 20 feet and not closer than feet to the water edge of a pool for the servicing of the pool. This outlet shall not be more than 6 feet 6 inches off the ground. E4203.1.2.

1.4.1.2. All 15 and 20 amp receptacles located within 20 feet of the water's edge of the pool shall be GFCI protected. E4203.1.3.

1.4.1.3. Outlets supplying pool pump motors from branch circuits rated 15 or 20 amps, 125 volt or 240 Volt, single phase, whether by receptacle or direct connection, shall be provided with GFCI protection for personnel. E4203.1.3.

1.4.2. Bonding

1.4.2.1. I.R.C. E4204. The following items shall be bonded together using insulated, covered, or bare solid copper conductors not smaller than 8 AWG. Conductive pool shells, pool structural steel, perimeter deck reinforcing steel or bond wire, underwater lighting with metal forming shells or brackets, all isolated metal fittings over 4 inches in any dimensions, metal parts of electrical equipment associated with the pool water circulation or heating, pool covers and motors, and any metal wiring methods and equipment closer than 5 feet to the pool.

1.4.2.2. **Perimeter surface bonding.** The perimeter surface around the pool shall be bonded by means of structural reinforcing steel extending 3 feet from the edge of pool, or by at least one bare solid 8 AWG copper conductor extending around and following the contours of the pool installed between 18 and 24 inches away from the water's edge of the pool. The perimeter wire shall be bonded to the reinforcing steel of the pool at a minimum of four points uniformly spaced around the perimeter of the pool when the pool walls are constructed as such.

1.4.2.3. **Pool Water.** The pool water shall be intentionally bonded by means of a conductive surface area not less than 9 square inches installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded. E4204.3

2. Controlled access.

2.1. The swimming pool shall be enclosed by a wall or fence that is at least 5 feet in height and constructed so a 4 inch sphere cannot pass through at any point. Access gates shall be self closing, self latching, and be equipped to accommodate a locking device. Latches shall be located not les that 54 inches above the walking surface.

2.2. Structure wall as a Barrier. Where the wall of a dwelling serves as part of the controlled access and such walls have operable windows and doors, they shall be equipped with an alarm system that will sound when the window or doors are opened, or a safety cover that is listed in accordance with ASTMF 1364 is installed.

3. Mechanical

3.1. Show the location of gas meter.

3.2. Show the maximum input rating of the pool heater.

3.3. Provide the manufacturer specs for the pool heater.

3.4. Provide the type of underground gas line to be used. All piping installed underground shall be approved for such use.

3.5. A yellow insulated copper tracer wire or other approved conductor shall be installed adjacent to underground nonmetallic piping. The tracer wire size shall be not less than 18 AWG and the insulation type shall be suitable for direct burial.

3.6. Provide a gas schematic showing the following :

1. Main gas line size.

2. Longest run.

3. All appliances and input rating connected to gas line.

4. Total load on the system.

5. System operating pressure.

4. Water Supply

4.1. There shall be a means to protect the potable water supply against back flow. Provide information on the backflow protection that will be provided.

5. Engineering

5.1. A complete set of engineering calculations and documents shall be included along with the plans.

6. Other

_____

_____

_____

_____

_____

- By signing this document the contractor/owner accepts responsibility for the plans and attached documents to be carried out according to the International Residential Code. In addition the contractor assumes liability for any environmental or physical damage to properties within or outside the project and holds Roy City harmless for any such damage.

Signature of applicant: _____ Date: _____

This check list will become part of the plans.