



265 S. Second Street
Robins, Iowa 52328
319-393-0588
www.cityofrobins.org

SWIMMING POOL/SPA PERMIT APPLICATION

Application Date: _____ Permit # _____

Property Address: _____

Property Owner: _____

Phone #: _____ E-mail Address: _____

Pool Dimensions: Depth: _____ Width: _____

Above Ground [] In-ground []

Electrical Requirements needed? Yes [] No []

What type of barrier will be used: _____

CONTRACTOR: _____

Address: _____

Phone #: _____ License #: _____ Value of Project: \$ _____

Please see Swimming Pool Informational Sheet (attached)

This application and any permit issued to the applicant are subject to all Ordinances of the City of Robins that may be bearing on the project.

I hereby declare the above information is true and correct.

Applicant Signature: _____

Building Official

Zoning Official

Save completed form and any attachments needed. Email to Robinspermits@cityofrobins.org

ALL WORK SHALL BE INSPECTED
Please call 319-393-0588 to schedule



SWIMMING POOLS

(Residential)

Informational Sheet 2017

Reference: 2015 International Residential Code for One & Two Family Dwellings
2012 National Electrical Code, Robins City Code Building Code: Chapter 155 Sec
155.27 through 155.29, Zoning Regulations Chapter 165 section 165.12 & 165.32

Definition: A permanently installed pool is any exterior pool installed in the ground or capable of holding water to a depth of 42 inches and all pools installed inside a building.

Permit Requirements: All pools (soft side, above ground, permanent) capable of holding water to 24 inches or more require a building permit. An electrical permit would also be required prior to any electrical installation.

Applying for a permit: Please include the following items when submitting information for a permit application (see Sample Site Plan).

1. A site plan showing the following.
 - Property pin locations, property lines, and dimensions of lot.
 - Pools shall not be closer than six (6) feet from existing structures and shall not be placed in any easements or required yard setbacks.
 - Proposed pool location with dimensions to other structures on the property and property lines.
 - Location of all overhead and underground utilities, easements, alleys, etc.
 - Directional arrows for the flow of surface water drainage.
2. Pool size, depth, and construction.
3. Fence construction and location (see below).
4. Any deck construction plans if being built.
5. Electrical requirements for the pool.

Barrier Requirements:

All outdoor swimming pools 24 inches or more in depth (including in-ground, above-ground, or on-ground pools) shall be surrounded by a barrier which shall comply with the following:

Height: 48 inches above grade measured from the outside face of the barrier.

Openings:

- 2" maximum between grade and bottom of barrier.
- 4" maximum between top of above-ground pool wall and bottom of barrier when barrier is attached to top of pool wall.
- All other openings shall not allow the passage of a 4" diameter sphere.

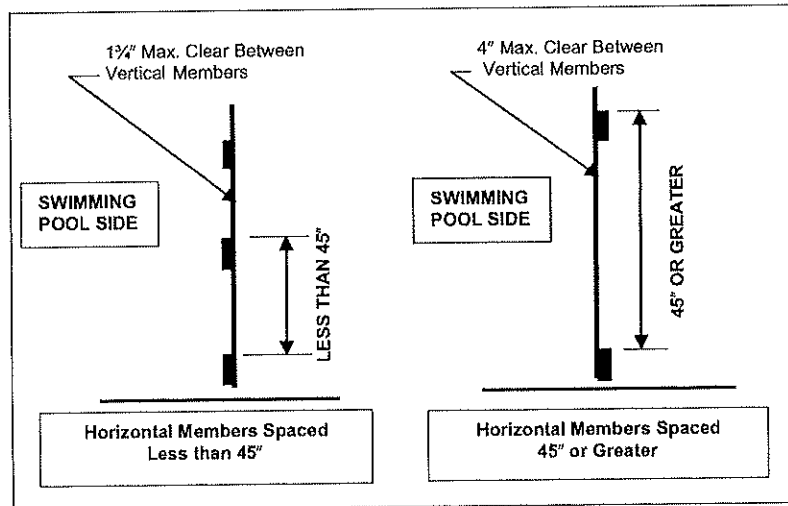
Climbability:

- Solid barriers (masonry, stone wall, etc.) must not have any protrusions or indentations except for normal construction joints.
- When the barrier has horizontal members less than 45" apart, they must be located on the inside of the barrier facing the swimming pool. In this case, the space between vertical members must be 1 3/4" or less.
- Decorative cut-outs within a vertical member must not have openings greater than 1 3/4".

SWIMMING POOLS

(Residential)

- When the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45" or more, the spacing between vertical members shall not exceed 4".



- Chain link fence maximum mesh size shall be 2 1/4" square unless the fence has slats fastened at the top or bottom which reduce the openings to 1 3/4".
- Diagonal member barriers (lattice fence) shall have a maximum opening formed by the diagonal members of not more than 1 3/4".

Access Gates:

- Must meet height, opening, and climbability requirements for barriers.
- Pedestrian access gates must be self-closing, lockable, self-latching, and must open outward.
- Where the latching mechanism is less than 54" from bottom of the gate, the release mechanism must be located on the pool side of the gate and be at least 3" from the top of the gate. There shall be no openings larger than 1/2" within 18" of the latch.
- Latches located greater than 54" from the bottom of the gate may be located on both sides.

Door alarms or cover: (When the dwelling serves as part of the barrier, one of the following conditions shall be met.)

- The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346; or
- Doors providing direct access to the pool shall be equipped with an alarm which produces an audible warning when the door or screen is opened;
 - Audible alarm shall sound within 7 seconds and sound continuously for 30 seconds.
 - Alarm shall be capable of being heard throughout the house.
 - Alarm shall automatically reset under all conditions.

SWIMMING POOLS

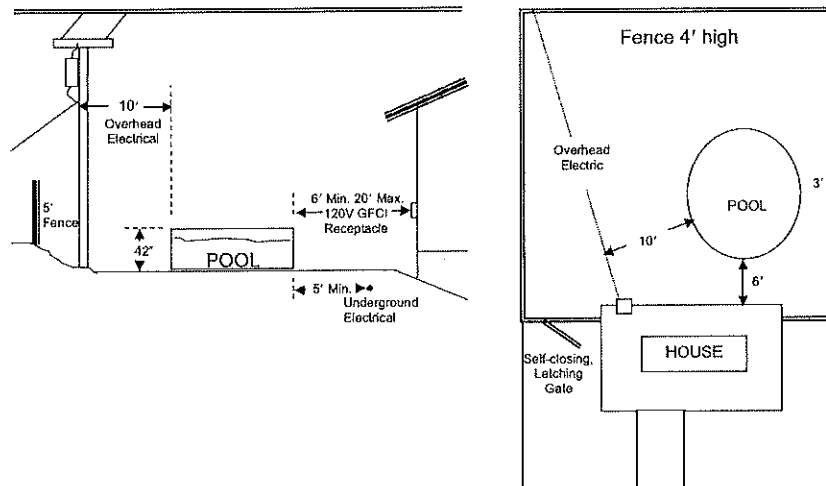
(Residential)

- The alarm system shall be equipped with a manual means (touchpad or switch) located at least 54" above the threshold to temporarily deactivate the alarm (15 seconds minimum) for a single opening; **or**
- Other means of protection, such as self-closing doors with self-latching devices, can be approved by the local inspection department.

- Where an above-ground pool structure is used as a barrier or the barrier is mounted on top of the pool side, and the means of access is a ladder or steps:
 - Ladder or steps shall be capable of being secured or locked to prevent access; or
 - Barrier around steps or ladder shall meet all of above guidelines.

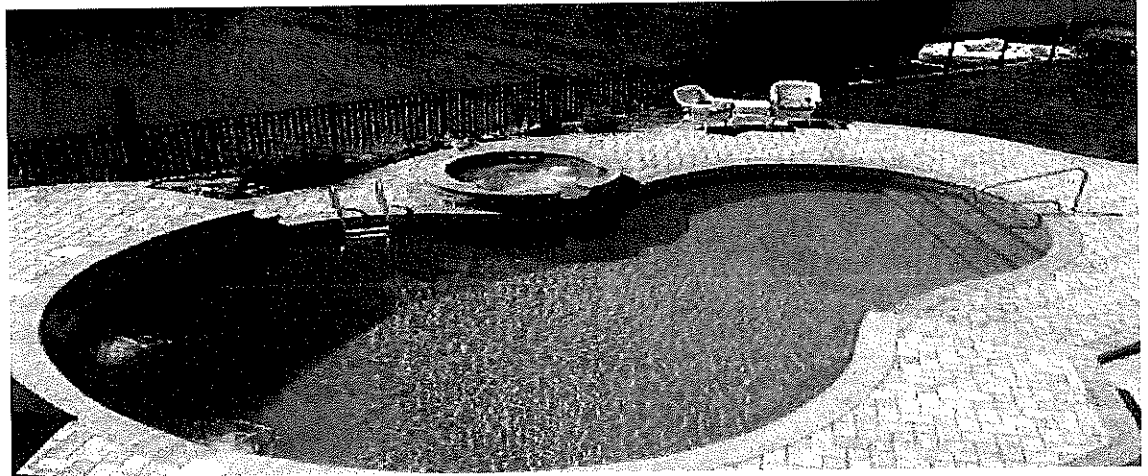
Electrical/Utility Requirements: The following electrical/utility concerns shall be followed when installing a pool.

1. Pools shall not be placed over any underground wires within five feet measured horizontally or under any overhead electric wires within ten feet measured horizontally from the inside wall of the pool.
2. Permanently Installed Pools, as defined above, shall be provided with at least one 120 volt GFCI protected receptacle a minimum of six feet and not more than 20 feet from the inside wall of the pool.
3. All electrical wiring for the pool use or within 20 feet and accessible from the pool area shall be in compliance with the current City of Robins Electrical Code and the National Electrical Code.



DRAINING POOLS & SPAS

Informational Sheet 2017



Be aware of the impacts that swimming pool and spa water can have on streams and lakes!

Did you know...

- **Draining swimming pools and spas to storm drains can pollute streams and lakes with copper, chlorine and other chemicals.**
- **Storm drains flow directly into our streams and lakes without treatment!**
- **Chlorine and copper are toxic at low levels to aquatic life.**

Chemicals used in pools and spas can be toxic when released into nearby streams and lakes.

Chlorine is toxic to fish and other aquatic life at very low levels.

Chlorine burns the gills and fins of fish, destroys sensory organs, interferes with the ability of fish to find food, and causes internal organ damage. If the receiving water contains a lot of decaying organic matter (from decaying plants, algae and bacteria), chlorine can combine with the byproducts to form compounds called trihalomethanes, which are persistent in the aquatic environment and pose a health threat to living things for a long time.

Copper is found in pipes and used as an algicide in swimming pools. It is a pollutant that directly threatens aquatic life. Excess copper in water causes the formation of acid pH levels, burns the gills of fish, interferes with respiration, and causes internal organ damage.

Salt Water Pools

A salt water pool is a swimming pool filled with a mild salt solution. A public misconception is that salt water pools provide a more environmentally friendly alternative to chlorine. Salt water pools use a chlorine generator to produce its own chlorine by breaking down salt (sodium hypochlorite).

Salt must be added to the pool to keep the salt solution strong enough for the chlorine generator to work. Salt water pools generate chlorine, and produce the chemical byproduct bromoform.

Bromoform is a persistent organic pollutant that accumulates in the environment and is very harmful to aquatic life.

Swimming Pools and Spas

Solutions:

- Contact your local Wastewater Treatment Authority to find out if you can discharge to the sanitary sewer system.
- If unable to drain to the sanitary sewer, cities require that you test the pool water to ensure that the chlorine level is <1 ppm, pH is between 6.5 and 8.5 and Total Suspended Solids (TSS) are <60 mg/l.
- Chlorine levels can be reduced by three days of sunlight. (Leaving the pool without chlorine longer than 3-4 days may encourage growth of bacteria.)
- Manage pH and water hardness to minimize copper corrosion in pipes that can stain your pool and end up in our streams.
- Copper algacide can collect in the pool filter. Rinse cartridge filters or clean diatomaceous sand filters onto a dirt area and spade the residue into the soil.
- Consider using alternatives to copper-based algacides such as sodium bromide.

Salt Water Pools

Solutions:

- Don't drain to street, gutter or storm drain!
- Discharge water to a sanitary sewer clean out. (See below for tips about finding your clean out.)
- If you are on a septic system, or have no sanitary sewer clean out, contact your local Wastewater Treatment Authority.

Important Note!

As a condition of the City of Robins' federal storm water permit, the City must adopt and enforce an illicit discharge to the storm sewer system ordinance. Discharging chlorinated pool and spa water to a storm sewer without following water quality recommendations is considered an illicit discharge, and regulated under the storm water permit.

Tips for Finding Your Sanitary Sewer Clean Out:

- If your kitchen or bathroom is on an exterior wall of your house, look along that wall for the clean out.
- Look for a small circular cap on a pipe. This may be located on the ground or the side of your home.
- If you can't locate the clean out, contact your local Wastewater Treatment Authority.

Please do your part to protect Iowa's streams and lakes!



HOT TUB & SPA INSTALLATIONS (RESIDENTIAL)

Informational Sheet 2017

Reference: 2014 National Electrical Code, Article 680
2015 International Residential Code for One & Two Family Dwellings

Permits Required:

A building, electrical, and possibly a plumbing permit are required for the installation of all hot tubs and spas. Zoning rules and life safety issues need to be followed.

This brochure is to be used as a guide and may not cover all of the requirements.

Outdoor Hot Tub/Spas

- Provide a dimensioned site plan indicating where the hot tub or spa will be located in relation to the *home and property lines. Property line setbacks are required to comply with the zoning ordinance.*
- A 4' fence/barrier with a lockable gate is required around the hot tub/spa or yard. See "Swimming Pool" brochure for barrier guidelines. A locking, safety cover which complies with ASTM F 1346 will be accepted in lieu of a fence.
- If a hot tub/spa is installed on a deck, additional structural requirements are needed.
- All glazing within 60 inches of the water's edge and less than 60 inches above the water level shall be safety glazed.
- Hot tubs/spas shall not be located over or within 5' horizontally of any underground wiring measured from the inside wall of the hot tub/spa.
- Overhead electrical service lines or broadband communication systems shall not be within 10' horizontally of the inside walls of the hot tub/spa unless they are 22.5 feet above the water level.
- A maintenance disconnecting means shall be located at least 5 feet horizontally from the inside walls of the hot tub/spa.
- At least one 15-or 20-ampere GFCI protected receptacle on a general branch circuit shall be located not less than 6 feet or more than 20 feet from the inside edge of the hot tub/spa. The receptacle shall not be located more than 6'-6" above the platform grade or platform.
- All 15 or 20-ampere, 125-volt receptacles within 20 feet of the inside wall of the hot tub/spa shall be GFCI protected.
- Switches shall not be closer than 5 feet from the inside wall of the tub or spa.
- New lighting or ceiling fans installed above the water or the area extending 5 feet horizontally from the inside walls shall be installed not less than 12 feet above the maximum water level.
- Existing lighting located less than 5 feet measured horizontally from the inside walls of the pool shall not be less than 5 feet above the maximum water level and be GFCI protected.
- Low voltage lighting must not be closer than 10 feet of the hot tub/spa even if GFCI protected.
- Circulation equipment receptacles can be located as close as 6 feet from the hot tub/spa if the receptacle is a single twist locking type and GFCI protected.
- Any metal surfaces within 5 feet shall be bonded to the hot tub/spa.



HOT TUB & SPA INSTALLATIONS (RESIDENTIAL)

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Indoor Hot Tub/Spa

- Provide a dimensioned floor plan showing the location of the hot tub/spa in the home. Include location of windows, doors, electrical switches, receptacles, and lighting. Additional floor support may be necessary.
- All glazing within 60 inches of the water's edge of the hot tub/spa and less than 60 inches above the water level shall be safety glazed.
- All receptacles shall be located at least 6 feet from the inside walls of the spa/hot tub.
- At least one GFCI protected receptacle shall be located not less than 6 feet and not more than 10 feet from the inside wall of the hot tub/spa.
- Power to the hot tub/spa shall be GFCI protected.
- All switches shall be located at least 5 feet from the inside walls of the hot tub/spa.
- All 125-volt, and 30-ampere or less, receptacles within 10 feet of the inside walls of the hot tub/spa shall be GFCI protected.
- Listed hot tub/spa packaged units rated 20 amperes or less shall be permitted to be cord-and-plug connected.
- Luminaires (fixtures), lighting outlets, ceiling fans--if located over or within 5 feet from the inside walls of the hot tub/spa shall comply with the following clearances measured from the maximum water level.
 1. Without GFCI protection. Mounting height above max. water level is 12 feet.
 2. With GFCI protection. Mounting height shall not be less than 7 ft. 6in.
 3. Below 7 ft. 6 in. Luminaires protected by GFCI and meeting the following requirements can be installed below 7 ft. 6 in.
 - Recessed luminaires with a glass or plastic lens, nonmetallic or electrically isolated metal trim, and suitable for use in damp locations.
 - Surface-mounted luminaires (fixtures) with a glass or plastic globe, a nonmetallic body, or a metallic body isolated from contact and suitable for use in damp locations.
- Bonding - A solid #8 AWG wire shall bond all metal parts or surfaces within 5 feet of the inside walls of the spa/hot tub. Examples:
 - Metal fittings within or attached to the spa/hot tub.
 - Electrical equipment associated with the water circulating system (pump motors, filters).
 - *Exception: Metal parts of self-contained spa or hot tub do not have to be bonded.*

City of Robins

Chapter 165.32

Fences

165.32 FENCE, WALL AND HEDGE REGULATIONS. Regulation of the location, height, and certain features of fences, walls, and/or dense hedges are necessary to assure the attractiveness of the community and to prevent potential hazards to life and property. No fence or wall shall be erected or maintained unless it is in compliance with the regulations contained herein and the design and construction requirements specified within Chapter 155 of this Code of Ordinances. All non-agricultural fences, walls or combinations thereof except temporary fences used for public safety or soil erosion shall not be erected, altered, replaced, or maintained without the prior submittal and approval of a building permit.

1. Fences and walls may be erected or maintained along a lot line on residential zoned property or adjacent thereto to a height not exceeding six (6) feet above the ground level which is located in a required side yard, to a height not exceeding four (4) feet above the ground level which is located in a required front yard, and to a height not exceeding eight (8) feet above the ground level which is located in a required rear yard, unless the rear lot line abuts a side lot line on neighboring residential property, in which case, the height limitation shall be six (6) feet above ground level. Where a property is double-fronted, the height of the fence or wall shall not exceed four (4) feet above ground level except where a rear yard has been established and the fence abuts a side or rear yard of a neighboring residential property, the height of the fence shall be limited to six (6) feet. Where such lot line is along or adjacent to commercially or industrially zoned property, the fence or wall shall be limited to eight (8) feet above ground level.
2. Fences, walls, dense hedges, and other planting may be erected or grown in public utility or drainage easements in accordance with the provisions of this section, except that no fence, wall, or dense hedge may be erected without the prior approval from the City and as a condition of that approval, the City shall require that the applicant acknowledge the rights of the City as an easement holder and waive any and all damages that might be otherwise accrued if the City shall need to remove the fence, wall, or hedge, in the exercise of its rights under the easement.
3. Dense hedges consisting of shrubs that comply with subsection 4 of this section may be grown or planted along a lot line or adjacent thereto provided that the dense hedge does not project into public use area (e.g., sidewalk, alley).
4. Fence, wall, and dense hedges shall meet the following visual clearance requirements:
 - A. No opaque fence, wall, dense hedge, or other plantings, signs, or structures that will obstruct vision between a height of two and one-half (2½) feet to ten (10) feet above the centerline grades of the intersecting streets shall be erected, placed, or maintained, within the triangular area formed, the right-of-way lines as such corner and a straight line joining said right-of-way lines at points which are

twenty-five (25) feet distant from the intersection of the right-of-way lines, and measured along the right-of-way lines.

B. No opaque fence, wall, dense hedge, or other plantings, shall exceed a height of four (4) feet when located within twelve (12) feet of an intersecting driveway, alley or street.

C. In the context of this subsection, "opaque" is defined as structure which block or otherwise prevents the passage of light through 50% or more of its surface area.

D. No opaque fence shall be permitted in the front yard.

E. Requirements shall be as established by engineering design standards and recommendation by the City Engineer for any situation not defined within this section.

5. The smooth or decorative face of a fence or wall shall face any public right of way or neighboring property. All supports, including posts must be placed on the inside of the fence or wall, opposite of the smooth or decorative face.

6. Barbed wire shall be prohibited except as follows:

A. Fences having barbed wire may be used for permitted agricultural uses of enclosing and protecting livestock or domestic animals. Where the agricultural use abuts a sidewalk or residential use, the barbed wire shall be a minimum of 40 inches above ground level and shall not project over any sidewalk or residential use or lot.

B. A fence within an industrial or commercial zoned district may be topped with barbed wire provided that the barbed wire is seven (7) feet above ground level and the barbed wire does not project into any general public or business use areas.

7. Electrical fences shall be prohibited from use within all zoning districts except for the enclosure of livestock and domestic animals within agricultural zoned districts, provided the electrical fence is not within a street right-of-way. An electrical fence may be adjacent to a neighboring residential use lot line, provided the electrical fence is suspended a minimum of five (5) inches into the agricultural zoned property or a minimum of 48 inches high.

8. No fence or wall shall be erected within the 100-year flood plain without the prior written approval from the City Council.

9. Violations of any fence, wall, or hedge regulations outlined in this section, shall be addressed as a public nuisance.