

Required Fence and/or Barrier (2018 ISPSC 305.1-305.7)

- All swimming pools and spas shall be enclosed by a fence or barrier not less than 48 inches in height and no more than 2 inches off the ground and not less than 20 inches from water's edge
- Openings in fence shall not permit the passage of a 4 inch diameter sphere.
- Chain link and lattice weave fences shall have a maximum opening of not more than 1 3/4 inches. Slats secured at the top and bottom



Standard chain link fence mesh is 2 3/8 inches. Slats must be used to reduce the size of mesh opening.

may be used to reduce gap size to 1 3/4 inches.

- Barrier's and fences may not have any gaps, openings, indentations, or protrusions of structural components that could allow a child to crawl under, squeeze through, or climb over.
- A minimum of 36 inch clear zone, to prevent climbing over the barrier or fence, shall be provided between the barrier and any permanent structures or equipment.
- All gates shall be equipped with self-closing and self-latching devices.

Ladders or Steps (2018 ISPSC 322.1-322.4)



All pools or spas shall be provided with a ladder, steps or both in deep and shallow ends. An end that is not more than 24 inches deep are exempt from having ladders or steps.

Structure Wall as a Barrier (2018 ISPSC 305.1-305.7)

Where a wall of a dwelling or structure serves as part of the barrier that have doors or windows with direct access to the pool or spa one of the following are required:

- Doors and operable windows having a sill height of less than 48 inches above the indoor finished floor shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be listed and labeled as a water hazard entrance alarm in accordance with UL2017 and mounted 54 inches above the



dwelling floor.

- A safety covers that is listed and labeled in accordance with ASTM F-1346 is installed for the pools and spas
- An *approved* means of protection, such as self-closing doors and self-latching devices on the door may be used.

Final Inspections

An inspection is required before a pool or spa may be used. This may be scheduled by calling the Building Inspection Hotline at 501-7766. For in ground pools, an inspection must be conducted on the pool foundation and bonding prior to placement of concrete, electric or other finish material. All swimming pools and spa installations must be completed, completely filled with water, in operation and have the equipment bonding complete before the final inspection is made.

Residential Swimming Pool or Spa Guidelines

A Summation of Regulations for Your Residential Swimming Pool or Spa



**City of Killeen
Building Inspections
100 E Avenue C
Killeen, TX 76541
(254) 501-7762**

www.killeentexas.gov

Backflow Protection (2018 ISPSC 318.1-318.3)

- Water supplies used to fill the pool or spa shall be protected with an air gap complying with ASME A112.1.2 or by a backflow prevention assembly in accordance with the International Residential Code and the International Plumbing Code Section 102.7.1



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- Vacuum breaker device shall be installed on all hose bibs (outside faucets).

Water Discharge

Waste water from swimming pools, backwash from filters and water from pool deck drains may:

- Discharge to the building drainage system through an indirect waste pipe by means of an air gap.
- Chlorinated water and material from pool drainage shall not directly enter the storm drains or street but should leach into the soil on the same property. Only dechlorinated water may runoff into the watercourse or street

Maintenance required.

- All pools and spas shall be maintained in good repair and shall not allow the water to become stagnant or unsanitary.

This brochure is a highlight of the codes and regulations and not intended to be a complete reference. All swimming pools and spas shall be installed & maintained in accordance with the 2018 International Swimming Pool and Spa Code, International Residential & Building Codes, 2017 National Electrical Code, and local ordinances.

Permit Required: (2018 ISPSC 105.1)

A permit shall be required for any constructed or temporary pool or spa used for swimming or bathing that is twenty-four (24) inches or more in depth.



Electrical Installation. All electrical wiring shall be installed in compliance with the 2017 National Electric Code.

Pool or Spa Location and Utility Clearances (2017 NEC 680.22 (D))

- All exterior electrical outlets, stationary appliances, or service equipment must not be within 10 feet of the pool or spa.
- Pool and spas must not be located within 25 feet from the overhead electric service line and 27 feet from overhead electric company lines.
- Pool and spas must not be located within five (5) feet from a buried electrical line.

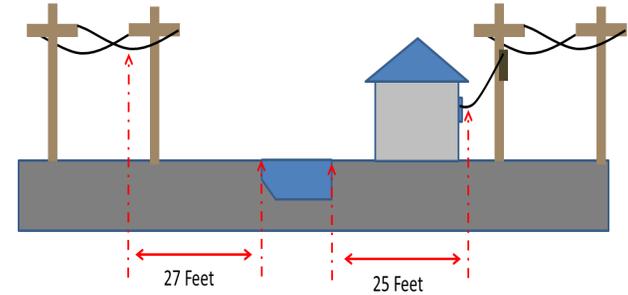
Pool or Spa Protection (2017 NEC 680.22 (A))

- All electrical outlets **within 20 feet** shall be protected by a GFCI system
- Any permanent pool or spa shall have all stationary metal equipment, ladders, and light fixtures within ten (10) feet of the pool or spa **bonded** to the pool grounding system

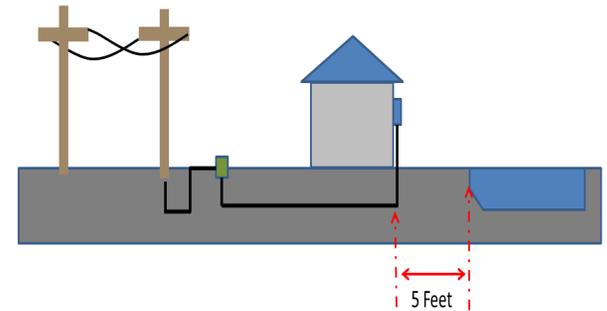
Location (Sec. 31-474 of the Code of Ordinances)

- Pool and Spas shall only be located within the side and rear yards and not within 5 feet from the side property line and 10 feet from the rear property line.

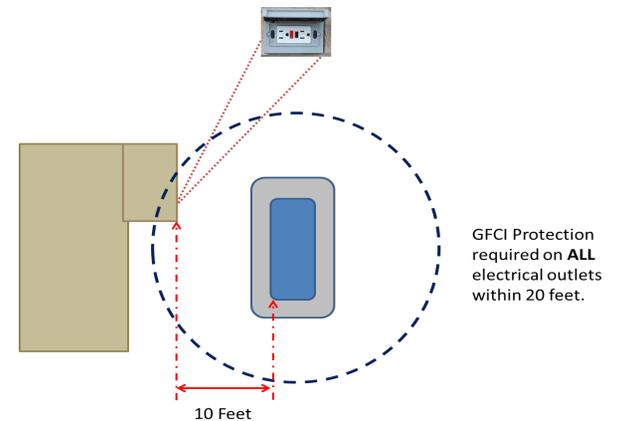
Overhead and Buried Electrical Distribution and Service Lines



Do not attempt to measure or touch electrical distribution wires or services.



Note: Distances may be greater in accordance with Oncor Electric Delivery's Electrical Service Guidelines. (<http://www.oncor.com/EN/Pages/Construction-Guidelines.aspx>)



Note: Call Dig test @1-800-344-8377 or 811 and Killeen Water Department @ 254-634-0588 before any excavation work begins.