

	<b>City of Casa Grande</b> <b>Development Center Policies &amp; Procedures</b>	<b>Effective Date:</b> <b>July 1, 2016</b>
	<b>Title:</b> <b>Swimming Pool Inspection Requirements</b>	<b>Date Reviewed:</b> <b>July 1, 2016</b>
		<b>Department of Primary Responsibility:</b> <b>Building Safety</b>
		<b>Policy Number:</b> <b>B – BI – 005 - 2016</b>

**SWIMMING POOL**, Any structure intended for swimming, recreational bathing or wading or other body of water that contains water over 18 inches deep and wider than 8 feet at any point. This includes in-ground, above ground and on-ground pools; hot tubs; spas and fixed-in place wading pools. Farm irrigation and livestock watering structures are NOT covered by this code.

In order to have the City Inspector do a complete inspection of your pool installation there are certain documents you must have available on the jobsite when the inspector arrives for the inspection. You must have the city stamped site plan, permit drawings, and any engineering drawings for your pool available at the job site.

Any of the following will cause your inspection to fail:

1. Missing permit documents
2. Pool not ready for the requested inspection
3. No access to the pool or house as required
4. Unrestrained dogs

A re-inspection fee may apply and you must recall the inspection after correcting the problems. IF there are issues with the documentation or access to the pool please call 520-421-8630 before the inspector arrives to cancel the inspection.

**The following is a list of items that are required to be completed prior to requesting a pre-gunite or pre-plaster inspection:**

**PRE-GUNITE/ PRE-PLASTER**

1. The following shall be bonded together with a minimum No. 8 solid copper conductor, insulated, covered, or bare.
  - a) All pool steel and metallic items (ladders, handrails etc.).
  - b) All forming shells and mounting brackets of no-niche fixtures.
  - c) Metal parts of electrical equipment associated with the pool water circulating system, including pump motors.
  - d) All metallic piping and metallic material (metal window/door frames, gutters, fences, gates, etc.) within five (5) feet horizontally of the inside walls of the pool and within twelve (12) feet above the maximum water level of the pool.
  - e) Equipotential bonding shall be in accordance with the IRC/NEC.
2. The following grounding provisions shall be in compliance with the IRC/NEC:
  - a) Pool lighting fixtures and related equipment.
  - b) Pool associated motors.
  - c) Panel boards that are not part of the service equipment.
  - d) Cord-connected equipment.
  - e) Other electrical equipment shall be grounded in accordance with the IRC.
3. A vacuum breaker shall be installed if the pool has an automatic filling capability.

4. The bottom of the excavation for the pool shall be free of mud, debris, and other materials that may affect the integrity of the pool.
5. Reinforcing steel shall be complete and adequately supported to maintain spacing and specified clearances.
6. Confirm there are no switching devices within five (5) feet of the water's edge of the pool.
7. Confirm there are no junction boxes located less than four (4) inches, measured from the inside of the bottom of the box, above the ground level or pool deck, or not less than eight (8) inches above the maximum pool water level, whichever provides the greatest elevation, and located not less than four (4) feet from the inside wall of the pool (or provide a solid, permanent barrier).
8. Verify a minimum of one (1) receptacle outlet with ground-fault circuit-interrupter protection shall be located not less than six (6) and no more than twenty (20) feet from the water's edge of the pool.
9. All pool circulation plumbing shall be under test.
10. All anti-entrapment fixtures shall be in place and with the installation information onsite.
11. All safety barriers shall be in place.
12. Safety glazing shall be installed at windows or doors within five (5) feet (and less than sixty (60) inches above grade) of water's edge of the pool, if applicable. Window safety film is not an acceptable substitute.
13. All pool equipment shall be placed on an approved slab for sufficient support.
14. Gas heater vents, if applicable, shall terminate a minimum of:
  - a) The vent termination point shall not be closer than (3) feet to an interior corner formed by two walls perpendicular to each other.
  - b) A minimum of four (4) feet from and one (1) foot above any door, window, or gravity air inlet.
16. The pool/spa circuit in the electrical service panel shall be:
  - a) A circuit breaker approved for the panel and use.
  - b) Bonded and grounded.
  - c) Circuit shall be identified on panel index or dead front.

## **CITY OF CASA GRANDE OUTDOOR POOL AND SPA FENCING REQUIREMENTS**

**AG105.2 Outdoor swimming pool.** An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa, shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 60 inches (1524mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).
2. Openings in the barrier shall not allow the passage of a 4-inch-diameter (102 mm) sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions, except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members, and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 <sup>3</sup>/<sub>4</sub> inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 <sup>3</sup>/<sub>4</sub> inches (44 mm) in width.

5. Maximum mesh size for chain link fences shall be a 1  $\frac{3}{4}$  per Az Statute measured horizontally, unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1  $\frac{3}{4}$  inches (44 mm).
6. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1  $\frac{3}{4}$  inches (44 mm).
7. Access gates shall comply with the requirements of Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool, and shall be self-closing and have a self-latching device. Gates, other than pedestrian access gates, shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:
  - 7.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and
  - 7.2 The gate and barrier shall have no opening larger than  $\frac{1}{2}$  inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
8. Where a wall of a dwelling serves as part of the barrier, one of the following conditions shall be met:
  - 8.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346;
  - 8.2. Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed and labeled in accordance with UL 2017. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
  - 8.3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 8.1 or 8.2 described herein.
9. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps:
  - 9.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
  - 9.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.