

New Residential Pool & Spa Checklist

Swimming Pool Definition

Any contained body of water used for bathing or swimming purposes either above or below ground level with the container being eighteen (18) or more inches in depth at any point, and/or wider than eight (8) feet at any point. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas. (City of Buckeye Dev Code)

- Complete Building Permit Application
- Pool Design Detail Plans and Calculations sealed by engineer registered in AZ
- Letter authorizing the use of a standard pool plan approved by the City (if applicable)
- Construction Plan / Plot Plan must include the following- 2 copies to scale
 1. Legal description (parcel # (APN), lot #, subdivision name)
 2. North arrow
 3. Location of proposed pool and any associated improvements. Indicate distance from house, any structures and property lines
 4. Location of all pool equipment, pool heaters, vents terminations, energy type and sizes
 5. Location of all fences/barriers. Indicate barrier type, reinforcement, width, depth, height and front to rear cross section detail. Include setbacks from property line, distance from house and right of way centerline measurements.
 6. Location of all openable access to pool (windows, gates) to include barrier reinforcement detail.
 7. Location of easements – pool shall not be placed in P.U.E. (Public Utility Easement)
 8. Location , size and type/material of all gas piping including BTU's of appliances served (if applicable)
 9. Electrical specifications from main house panel to pool equipment. **See below**
- House panel to pool equipment- 2 copies
 1. Wire type, should be THWN or equal
 2. Wire size
 3. Length of wire
 4. Type AND size of conduit
 5. Total starting amps of all equipment
 6. Total running amps of all equipment
 7. Breaker Size
- Information required for conduit & wire from equipment to pool light- 2 copies
 1. Wire type, should be THWN or equal Wire size
 2. Length of wire
 3. Type of conduit
 4. Depth of conduit
 5. Total amps required for light
 6. Breaker Size
- Pool pump cut sheets – 2 copies
- Heater specs (if applicable) – 2 copies
- Pool barrier letter signed by property owner and contractor- 2 copies
- Owner/ Builder form signed (if applicable)



CITY OF BUCKEYE POOL BARRIER INFORMATION

Date: _____ Customer: _____

Address: _____

The information below pertains to all windows, doors, and gates entering into the backyard enclosed within the perimeter walls.

Please check all barrier requirements that pertain to your home or indicate N/A, if not applicable:

____ Perimeter wall must be at least 5' in height from the outside.

____ Pedestrian gates must open out away from pool and be self-closing/self-latching at least 54" above grade.

____ Double gates must be padlocked and must have a spring on main opening side if there is not a 4' pedestrian gate.

____ Ground level doors with direct access to the pool area must be equipped with a self-latching/self-closing devise at least 54" above floor level and open away from pool area.

____ All windows (except bedroom fire egress windows) with access to the pool area must be equipped with one of the following:

____ A) Screwed in place wire mesh screens **OR:**

____ B) Keyed locks that prevent opening the window more than 4"

____ I will be doing a 5' wrought iron fence completely around pool barrier

____ I will be doing a partial 5' wrought iron fence with some other barrier

- The protective fence or wall shall be located a minimum horizontal distance of fifty-four (54) inches from any structure, storage or equipment that could be used to climb the wall or fence from the outside.
- The protective fence or wall shall contain no opening, handhold or other means accessible from the exterior side of the enclosure that could be used to climb the wall or fence.
- Pet doors are not permitted to access pool area.
- **OWNER RESPONSIBILITY:** It is the responsibility of the property owner to ensure that any pool enclosure fence and its appurtenances (i.e., gates, latching devise, locks, etc.) are maintained in safe and good working order.

ALL WINDOWS, DOORS AND ROOMS MUST BE SHOWN ON PLOT PLAN IF NOT ENCLOSING THE "ENTIRE" POOL WITH A 5' WROUGHT IRON FENCE.

By signing below, you are aware of the pool barrier codes for the City of Buckeye and must have them in place by final inspection for the pool.

Customer: _____ Date: _____

Salesperson: _____ Date: _____

Office Location and Hours

The Development Services Department is located on the 2nd floor of City Hall, 530 E. Monroe Ave., Buckeye AZ 85326. Our office is opened Monday thru Thursday from 7am to 6pm.

Building Permit Application

All projects must be submitted with a complete Building Permit Application that can be found on our web site under forms at www.buckeyeaz.gov. The owner, licensed contractor, or their authorized agent can complete the application form.

Construction Drawings

Plans must be drawn to scale and must be of sufficient clarity to indicate the location, nature and extent of the work proposed. Homeowners may prepare the drawings, provided the drawings are accurate, legible and complete. Drawings will be checked for compliance to provisions of the Building Code, Zoning Ordinances and all other relevant laws, ordinances, rules and regulations. Be sure to clearly label all existing and proposed construction.

Permit Issuance

Building permits are issued after the reviews have been completed and it has been determined that the City Code requirements have been met. Permits can be issued to the following people:

- Property Owner
- Authorized Agent
- Building Contractor: Building Contractors must have an active Buckeye Business License. For additional information please call 623-349-6165.

Required Inspections

Inspections are performed after your permit has been issued and as work progresses. The project is not legally complete until there is an approved final inspection. Building permits shall remain valid for 180 days of issuance or from the date of previous inspections. To schedule/ cancel or obtain inspection results visit our web site at www.buckeyeaz.gov. Inspections that may apply are:

- Pool Rough (pre-gunite)
- Pool Final (pre-plaster)

Applicability - This Subsection applies to the following:

New swimming pools used in conjunction with a single-family dwelling.

New or existing swimming pools used in conjunction with a multiple-family use.

New or existing swimming pools used in conjunction with a commercial or public use.

Design - Swimming pools shall be entirely enclosed by a protective fence or solid wall of not less than five feet in height.

- The pool enclosure shall be set a minimum of 24 inches from the edge of the water.
- The protective fence or wall shall have no vertical opening larger than four inches. Wrought iron and wood fences shall be constructed with at least 54 inches between the horizontal members.
- Gates shall be self-closing, self-latching, with latches being a minimum of 54 inches above ground level. Gates shall swing out away from pool.
- Those gates not used for normal access to and from the pool do not need to be self-closing if secured by a padlock or other similar device in lieu of a latch.
- The protective fence or wall shall be located a minimum horizontal distance of 54 inches from any structure, storage or equipment that could be used to climb the wall or fence from the outside.
- The protective fence/wall shall contain no opening, handhold, or other means accessible from the exterior side of the enclosure that could be used to climb the wall or fence.
- The protective fence or wall shall be constructed of block, wrought iron, wood, or other similar material approved by the Director.
- Chain link material shall not be used in a protective fence.
- All ground level doors with direct access to the pool area must be equipped with self-latching devices which shall be located at least 54 inches above the floor and must be self-closing and must open in a direction away from the pool area.
- All openable dwelling unit or guest room windows on the first floor that have access to the pool must be equipped with: 1) screwed in place wire mesh screens, 2) keyed locks that prevent opening the window more than four inches, or 3) self-closing and self-latching devices located no less than 54 inches above floor. This provision shall not apply to emergency escape or rescue windows in sleeping rooms.
- Pet doors are not permitted to access pool area.

Owner Responsibility

It is the responsibility of the property owner to ensure that any pool enclosure fence and its appurtenances (i.e., gates, latching devices, locks, etc.) are maintained in safe and good working order.

Example of Common Plan Review Comments (Example only, items may or may not apply)

- Specify monetary value of pool including labor and materials, total area in square feet.
- Pool wall is too close to post tensioned foundation. Move pool to 5'-0" away or provide a letter from the engineer of post tensioned foundation that states it is ok to dig this close to the foundation.
- Provide soil bearing pressure design (psf) on plans and code reference.
- Footing encroaches into the patio area of influence of the adjacent footing of the dwelling unit and a surcharge must be designed and specified. Only if the patio slab is post tensioned.
- The Barrier does not meet the minimum design standards of the City of Buckeye's Pool Barrier requirements. Pool Barrier was not included and/or applied for before issuance of this pool permit. Pool barriers must be in place and approved prior to plastering the pool. City of Buckeye Development Code Section. 7.5.4.5.D.
- From main house panel to pool equipment, specify electrical wire size, wire type (suitable for wet locations Per NEC 2005 article 100 definition for "wet locations"; MTW, RHW, RHW-2, TW, THW, THW-2, THHW, THHW-2, THWN, THWN-2, XHHW, XHHW-2, ZW or of a type listed for use in wet locations.) Starting and Running amps of ALL equipment, conduit size and type, length of run, depth, clearances and requirements for disconnects, receptacles, services, grounding and bonding as per the 2005 NEC 680.22 (B) Supply voltage drop calculations when necessary, usually on runs greater than 100 feet or when higher voltage equipment such as heat pumps are used. Maximum voltage drop recommendation is 3%.
- From pool equipment junction box to pool light, accessory equipment and pool heaters, provide conduit type, depth of conduit, wire size, wire type, and define if wire is low voltage (12 Volt) or high voltage.
- Provide at least one 125v GFCI receptacle not less than 10 feet from and less than 20 feet from inside wall of pool and no higher than 6 feet 6 inches above grade.
- Safety glazing is required within 5' of the edge of the pool less than 5' at the bottom edge. Check & indicate on plans where this may occur.
- Provide location of all water, sewer, gas and electric utility lines, meters and services on the lot. 2011 NEC 680.7 & 680.10
- Provide location of the pool/spa disconnecting means within sight of pool equipment and more than 5' horizontally from the pool edge. 2011 NEC 680.22(C) & 680.12
- Pool equipment must be 5'-0" from Property lines within the side yard setbacks. Equipment cannot be in 5' egress side of house. City Development Code
- Provide 18 gauge tracer wire for pressurized water line to automatic pool water leveler per ARS.
- Perform and include existing load calculations to verify the total loads do not exceed the NEC 230.79 Rating of Service Disconnecting Means and the rating of the Service Entrance Equipment.
- Running electrical or gas to anything other than the pool equipment is not in the scope of work for the license we have on file for you.