SUBMITTAL REQUIREMENTS FOR PRIVATE SWIMMING POOLS AND SPAS

All submittals shall be drawn in compliance with Arizona Revised Statutes (ARS §36-1681), 2018 International Swimming Pool and Spa Code, and 2017 National Electric Code as adopted by Yavapai County.

A professional Arizona engineer or architect shall prepare all structural plans and specifications for review. Two (2) sets of plans are required for submittal, prepared on a minimum of 18”x24” and a maximum of 32”x40” paper and drawn to standard architectural scale. All submittals shall show, in detail, the nature and extent of the work proposed.

Site Plan

- Show all existing and proposed buildings and structures, street fronts, walls, alleys, easements, lot dimensions, utility locations, water, gas, sewer and electrical yard piping.
- Plans shall include existing and proposed grades, building pad elevations, drainage, cut and fill amounts.
- An 8-½”x11” plot plan drawn to an approved engineering scale, shall be required in addition to the site plan.

Plans & Specifications

- Show the size, shape, and cross-section, slope and dimensions of each swimming pool or spa, including decks (concrete, pavers, or wood).
- Spas permits that will be supported on a deck require engineering calculations for load bearing and specifications for the spa must be submitted with the plans.
- Provide ASTM F1346 approved lockable cover for spas.
- Show location of disposal of filter backwash water. Used swimming pool or spa water shall be disposed of in a sanitary manner to an approved location, but not into a septic system.
- Show the source of the water supply.

Barrier Requirements

- All barriers must be permitted.
- If the exterior walls of the building are to be utilized as part of the pool barrier, a floor plan shall be required showing rooms uses and window/door locations, sizes and functions. All safety devices on windows and doors must be specified.
Submittal Requirements for Private Swimming Pools and Spas, cont.

Barrier Requirements Cont.: 

- Show all gates and latch locations as required in the 2018 ISPSC.
- Pool/spa must be completely surrounded.
- Barrier height must be a minimum 5’ above grade where measured on the side of the barrier that faces away from the pool/spa. Must be minimum 5’ high around the entire perimeter and for 3 feet measured horizontally from the outside of the barrier.
- Max 2” clearance between grade and the bottom of the barrier for grass/gravel surfaces. See mesh barriers exception.
- Max 4” clearance between grade and the bottom of the barrier for solid surfaces (pavers, concrete, etc.) See mesh barriers exception.
- Openings in the barrier shall not allow the passage of a 4” diameter sphere. See mesh barriers and chain link opening requirements.
- All barriers shall be min 20” from water’s edge.
- Min 36” clear zone required between the exterior of all required barriers and any permanent structures or equipment.
- Solid barriers cannot contain footholds or handholds.
- Mesh barriers shall be a max 1” above ground surface and the bottom of the barrier must not be able to be lifted more than four inches (4”). Four inch (4”) diameter sphere shall not be able to pass under any mesh panel. Mesh attachment at each section shall be min 45” above grade. Vertical post receptacles shall be non-conductive. Mesh fence cannot be used on top of on ground pools. Max 1 ¾ “ mesh size measured horizontally.
- Horizontal members spaced less than 45” apart shall be on the pool side of the barrier and vertical spaces shall be 1-3/4” max. Horizontal members spaced more than 45” apart shall have vertical spacing max 4” apart.
- Chain link openings shall be 1-3/4” max
- Diagonal members shall have max spacing of 1 ¾ ” and max 45 degree angles from vertical members.
- Barriers on top of a pool wall must be min 5’ above grade and meet spacing requirements for all barriers.
- Above ground pools shall have non-climbable exterior sides min 4’ high and the manufacturer shall allow the wall to be used as a barrier and access. Ladders/steps shall be removable without tools and secured in a storage area with a latching device min 54” above ground or shall be capable of being locked and secured.
Submittal Requirements for Private Swimming Pools and Spas, cont.

Using a structure wall/dwelling as part of barrier perimeter:

- If a structure wall or part of the dwelling is to be used as part of the barrier perimeter, all ground-level doors and doors with direct access to pool/spa shall be self-closing and self-latching.
- Egress windows with access to pool/spa shall be equipped with a latching device min 54” above floor OR a UL 2017 listed audible alarm with a deactivation switch min 54” above finished floor.
- Windows that are not egress with access to pool/spa shall have a keyed lock preventing opening the window more than 4” or a latching device min 54” above floor or a UL 2017 listed audible alarm with deactivation switch min 54” above finished floor.

Gates:

- Gates shall open outward away from pool/spa and be self-closing and self-latching.
- The gate and barrier shall not have openings larger than ½” within 24” radius of the latch release mechanism.
- Latches must be min 54” above grade with a release mechanism at least 5” below the top of the gate and located on the pool side of the gate.

Barrier Requirements Exception

- Spas must have a lockable ASTM F1346 approved cover
- Pools must have a powered safety cover ASTM F1346 approved

Electrical/Equipment Plan

- Show the location of the pool equipment, main disconnect, receptacles, and light fixtures.
- Specify all grounding and bonding methods for the pool and equipment.
- If pool heater is utilized, show location of gas service and how it will be connected to the equipment.
- If equipment is to be located in a separate enclosure to be constructed, show details of construction.

Additional Data

- Development Services may require additional data for a complete understanding of the project.

As Approved by The Advisory and Appeals Board, April 5, 2019