



CITY OF PICO RIVERA

PUBLIC WORKS DEPARTMENT, BUILDING & SAFETY
6615 PASSONS BLVD.
PICO RIVERA, CA 90660
(562) 801-4360
www.pico-rivera.org

POOL/SPA CONSTRUCTION REQUIREMENTS

BLD
SECTION

004
FORM
NUMBER

2022
CODE
CYCLE

01/01/2024
EFFECTIVE
DATE

04/25/2024
REVISION
DATE

RESIDENTIAL SWIMMING POOL CONSTRUCTION REQUIREMENTS

THE FOLLOWING MINIMUM REQUIREMENTS ON PLANS:

- Site/plot plan shall be stamped & signed by engineer of record.
- Structural pool/spa plans shall be prepared by a registered engineer.
- A soil report may be required if adverse soil conditions are encountered or located on a steep slope.
- The project plans shall be drawn to a scale of not less than 1/8" per foot.
- The names and addresses of the owner and design team on the first sheet of plans.
- The project address on each sheet of the plans.
- The property lines, street name, north arrow, and location of any easements (if applicable).
- Existing structures, fencing (pool barrier), retaining walls (if applicable), and pool equipment.
- Pool/Spa dimensions, depth, and setbacks to all adjacent structures and property lines.
- Location of the pool lights (if applicable).
- Any windows or doors with glazing within 5 ft. of the pool/spa.
- Note that for new or alteration to the existing pool/spa should be equipped with suction outlets to provide circulation throughout the pool/spa. Outlets shall be covered with anti-entrapment grates (ANSI/APSP-16) that cannot be removed except with the use of tools.
- Location of the electrical service pole and overhead conductor clearance. Overhead conductor shall meet the minimum clearance requirements per Table 680.9(A) of the Electrical Code.
- Provide Electrical service panel size and location. Electrical load calculations may be required if it is less than 200amp.
- Provide a utility plan showing water and gas line route, material, and sizing per California plumbing codes. [2022 CPC 610.0 & CPC 1208.0]
- When pool heater provided; Show location of pool heater to be at least four feet away from an operable window and locate the pool cover per CA Energy Code section 110.4(b).2.

POOL/SPA CONSTRUCTION NOTES:

- A temporary fence and gate shall be in place prior to commencing pool construction.
- In addition to the requirements of Appendix AX, the Swimming Pool Safety Act, of the 2022 California Residential Code, a swimming pool, pool, spa or any body of water over 18 inches deep shall have an enclosure consisting of a fence, wall, portions of a building or other approved durable material, that isolates all bodies of water from the private single family dwelling and/or Accessory Dwelling Unit. The enclosure shall be installed around the perimeter of the bodies of water, or at the perimeter of the property. The barrier shall be a minimum 5-ft in height measured outside of the barrier. Chain link fences are prohibited to be used as a barrier.
- When a building permit is issued for the new construction/ remodeling of a swimming pool/ spa/ any other body of water over 18-in deep at a private single-family home, the respective pool/ spa shall be equipped with at least two (2) of the following seven (7) drowning prevention safety features:
 1. Pool shall be isolated from access to a home by an enclosure that meets the requirements listed below:
 - Access gates through enclosures shall open away from swimming pool and should be self-closing with a self-latching device placed no lower than 60 inches above ground.
 - A minimum height of 60 inches.
 - A maximum vertical clearance of 2 inches from the ground to the bottom of enclosure.
 - Gaps or voids shall not allow passage of a sphere equal to or greater than 4 inches in diameter.
 - An outside surface free of protrusions, cavities or other physical characteristics that would serve as handholds or footholds that could enable a child below the age of five years to climb over.
 2. Pool shall incorporate removable mesh pool fencing that meets the ASTM1 Specifications F2286 standards in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device.
 3. Pool shall be equipped with an approved safety cover that meets requirements of ASTM. Specifications F1346-91.
 4. Dwellings shall be equipped with exit alarms on doors that provide direct access to the swimming pool or spa. The exit alarm may cause either an alarm noise or a verbal warning, such as a repeating notification that "the door to the pool is open".
 5. All doors providing direct access from the home to the swimming pool shall be equipped with a self-closing, self-latching device with a release mechanism placed no lower than 54 inches above the floor.
 6. Swimming pool alarms that, when placed in pools, will sound upon detection of accidental or unauthorized entrance into the water. These pool alarms shall meet and be independently certified to the ASTM Standard F 2208 "Standards Safety Specification for Residential Pool Alarms" which includes surface motion, pressure, sonar, laser and infrared type alarms.
 7. Other means of protection, if equivalent or greater than the features above and verified by ASTM or ASME.
- Per City Policy, driveway gates may be used as part of the barrier provided it is at least 60-in high, have a motorized closer set to close at a maximum 30-sec cycle, and provided with a power backup in case of a power outage so that the gate is still functional.
- Safety glazing (windows) is required where the bottom exposed edge of the glazing is less than 60-in above the walking surface and within 5-ft (measured horizontally) of the water's edge.
- Any decorative design work that renders the fence easily climbable from the outside is prohibited.

- New or alteration to existing pool/spa shall be equipped with suction outlets to provide circulation throughout the pool/spa. Outlets shall be covered with anti-entrapment grates (ANSI/APSP-16) that cannot be removed except with the use of tools.
- The pool/spa shall have at least two circulation suction outlets per pump that shall be hydraulically balanced and symmetrically plumbed through one or more “T” fittings, and that are separated by a distance of at least 3-ft in any dimension between the outlets.
- All metals objects within 5-ft of the pool/spa inside walls shall be bonded to the pool steel.
- At least one electrical receptacle shall be provided between 6-ft and 20-ft from inside of the pool/spa wall and shall be GFCI protected.
- Electrical receptacles within 6-ft of the inside of the pool/spa wall are prohibited.
- All single-phase, 120V-240V outlets supplying pool pump motors are required to be GFCI protected.
- A pool heater shall be located at least four feet (4') away from an operable window.
- The registered (from a HERS provider) CF2R-PLB-03-E (energy) Form (Certificate of Installation: Pool and Spa Heating Systems) shall be verified by the building inspector prior to final inspection of the pool equipment installation.
- Heated outdoor pool/ spa is required to have a cover per Section 110.4 (b).2 (California Energy Code)
- Overhead conductor shall meet the minimum clearance requirements per Table 680.9(A) of the Electrical Code.