



## CITY OF FOUNTAIN VALLEY

BUILDING DIVISION

10200 Slater Ave

Fountain Valley, CA 92708

714 593-4429

### POOL AND SPA SUBMITTAL REQUIREMENTS

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#### Purpose

This information is provided to summarize the requirements for pool and spa plan submittal. In-ground swimming pools and spas will require a plan review submittal. Permits for above-ground hot tubs or spas may be issued over-the-counter provided all code regulations and plan criteria are met.

#### Permits Required

A swimming pool permit is required for all swimming pool, and in-ground above-grade spas and hot tubs.

**Exception:** No permit is required for these types of installations (Fountain Valley Municipal Code 18.04.020):

- Prefabricated swimming pools accessory to a Group R occupancy that are less than 18 inches deep, do not exceed 5,000 gallons and are installed entirely above ground.

**Note:** A permit is required for electrical connections other than existing plug in receptacles.

#### Additional Approvals

##### Planning Department

Contact the Planning Department at (714) 593-4425 for verification of setback distances to property lines.

##### Public Works

Staff reviews plans to confirm location of utility easements, site grading, site drainage and encroachment permit requirements.

#### General Requirements

- Plans must be drawn to scale; 1/8" minimum and all information must be legible. Minimum sheet size is 11" x 17".
- Provide a project data block on the cover sheet of plans:
  - Project street address.
  - Owner's name, address and phone number.
  - Name, address and phone number of the person who prepared the plans.
  - Contractor's name, license number, address and phone number.
- Site Plan shall include the following:
  - Lot dimensions
  - Pool/Spa setback dimensions to property lines and structures.
  - Location of all existing utility easements.
  - Existing or proposed walls.
  - Site drainage and slope direction.
  - Location of pool equipment, electrical panel (include size), and gas meter.
  - Location of electrical outlets within 20-ft of the swimming pool and/or spa.
  - Depth of swimming pool.
- Structural Plans. Two (2) sets of stamped and wet-signed engineered plans and steel schedule prepared by a CA licensed engineer.
- Note on the plan, Shotcrete concrete shall conform to the following:
  - Shall have an ultimate compressive strength of 4500 psi.
  - A water-cement ratio of .45.
  - Type V cement.
  - Deputy inspection is required.

- Provide a statement on the cover sheet that this project shall comply with the 2016 California Building Code, 2016 California Electrical Code, 2016 California Plumbing Code, 2016 California Mechanical Code, 2016 California Energy Efficiency Standards, and the Fountain Valley Municipal Code.

## Code Requirements

### Pool Barrier and Safety Features (CBC, SB 442)

The site plan shall include the pool barriers and the dwelling barriers as two (2) separate but related elements of the pool barrier system. The **Pool Barrier** includes the perimeter fence and gates separating the pool/spa from the neighboring properties and the adjoining public areas. The **Dwelling Barrier** separates the dwelling from the pool and provides required safety features for the pool/spa from the residence. This shall include at least **two** of the seven features required by CBC Section 3109.4.4.2.

#### Pool Barrier

The swimming pool or spa area, or the entire property or yard area on which it is located, shall be equipped with a perimeter yard barrier meeting the following: (CBC Section 3109.4)

1. Top of the barrier shall be not less than 60-in above grade measured on the side of the barrier facing away from the pool; 2-in maximum vertical clearance is allowed from the bottom of the barrier to the grade on the side facing away from the pool.
2. Opening in barriers shall not allow passage of a 4-in diameter sphere.
3. When barriers have horizontal and vertical members, and the spacing is more than 45-in between the tops of the horizontal members, spacing between vertical members shall not be greater than 4-in.
4. Pedestrian access gates shall open outward away from the pool. Be self-closing, and have a self-latching device. Where the release mechanism of the self-latching device is located less than 54-in from the bottom of the gate, the release mechanism shall be located on the pool side of the barrier at least 3-in below the top of the gate and, the gate and barrier shall have no

opening greater than 1/2-in within 18-in of the release mechanism.

5. Where a wall of a dwelling serves as part of the barrier one of the following shall apply:
  - Doors with direct access to the pool shall be equipped with an alarm that produces an audible warning when the door is opened.
  - The pool shall be equipped with a power safety cover that complies with ASTM F1346.
  - Other means of protection shall be accepted and approved by the Building Official as long as the degree of protection afforded is not less than the protection afforded by items above.
6. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on the top of the pool structure and the means of access is a ladder or steps one of the following shall apply:
  - The ladder or steps shall be capable of being secured, locked or removed to prevent access.
  - The ladder or steps shall be surrounded by a barrier which meets the requirements of items above.

### Barrier for Self-contained Spas or Hot Tubs

Provided the self-contained spa or hot tub is equipped with a listed safety cover, it shall be exempted from the barrier requirements. If no cover information is available, follow the same barrier protections as for a swimming pool.

### Electrical Requirements

- Location and size of electrical service (underground or overhead).
- At least one 125-volt, 15- or 20-ampere receptacle shall be located not less than 6-ft from, and not more than 20-ft from, the inside wall of the pool.
- Wiring for swimming pool and/or spa shall be copper.

### Plumbing Requirements

- Gas line sized per CPC Table 1216.2.

- Underground metallic gas piping shall be prohibited.

### **Inspection Guidelines**

1. Pre-Gunite. Steel (rebar) placement; plumbing under pressure test. A minimum pressure test of 35 psi for 15 minutes for water lines and 10 psi for 15 minutes for gas line will be performed. Electric installed; bonding of the pool and spa steel.

2. Pre-Deck. Steel (grid structure), all plumbing and electrical must be installed.
3. Pre-Plaster. Prior to filling the pool with water, verify barrier installation (e.g., fence, gates, door alarms).
4. Final. Final grading; location of all equipment is in operation; pool must be filled.

### **Questions**

Contact the Building Division at (714) 593-4429 for inquiries on plan submittal and fees.