



Public Works Department  
Building Department  
1088 East Kamm Avenue  
Dinuba, Ca. 93618  
559-591-5924

---

## SWIMMING POOL AND SPAS PLANS REVIEW CHECKLIST AND REQUIREMENTS

To obtain a Building Permit it is necessary to submit two (2) complete sets of drawings and documentation, one (1) additional site plan, and a completed Permit Application Form.

The plans must be drawn neatly to scale and/or dimensioned, and provide sufficient detail and notes to explain the construction and address the items noted below.

The City of Dinuba Pool Data must be completed and included with the plans submittal.

### SITE PLAN

- Site plan of the property and show the Street(s), buildings on the property and distances between, locations, and dimensions of the pool/spa to the house, property lines and setbacks. North arrow, code compliance statement.
- Show the water/ gas line, if a gas line is provided, locations and sizes, gas and electrical meter location and breaker size.
- Location of pool equipment with dimensions and setbacks; 3' minimum from property lines
- Swimming Pool setback to property lines is 5'.
- Swimming pool setback from a building is 5'
- Location of electrical connection to power supply and breaker size, conduits and water lines and sizes.
- Show the backyard gate location. Show the windows and doors to the pool area
- Location and size of gas piping; if heater is provided including heater BTUs: Energy docs required.
- Location of any overhead electrical power lines; give the dimension above grade & pool
- Location of any easements on the property.

- Identify which of the minimum of two pool safety measures to be in compliance with the attached Ca Swimming Pool Safety Act. Section 115922.
- Show the locations of the house door alarms, including the garage door that can have access to the pool

## PLAN

- Show pool shape, size, lighting and depths. Locate all accessory features, such as slides, waterfalls, landscape rocks, dive rocks, diving boards, diving platforms, retaining walls, etc.
- Show the main drain location.
- Provide anti entrapment requirements, specifications and product picture.
- Provide pool barrier, gate requirement notes on the plans.
- Provide all construction, electrical, plumbing, pool barrier, pool alarms, anti-entrapment and safety notes per the current Ca Building Codes and Ca. Health and Safety Codes for swimming pools and spas. These will be separate from any notes on the structural plans
- Show the locations of the two circulation/suction outlets
- Show and note the location of the anti-entrapment devices, provide product specs and picture.
- Pool equipment shall be located a min. of 48" from a window or door. Show windows/doors. Equipment not to be placed in front of a window.
- Provide the door and pool alarm specifications and product picture
- Provide 2022 CA Plumbing and Electrical Code requirement notes for a swimming pool/spa.
- Provide Electrical Code bonding and grounding notes.
- Receptacles at and for pool equipment from branch circuits shall be GFCI protected.
- Show/Note that a minimum of 4-grounding points, one on each side of the pool and/or spa re-inforcing steel; separate bonding for spas.
- Perimeter equipotential-bonding bonding wire 18"-24" from the inside edge of the pool, min. #8 bare copper wire.
- All outlets boxes and covers installed outdoors/damp/or wet locations shall be rated for WEATHERPROOF use. If a plug is to be constantly in-use, a plug cap is required.
- Show the existing exterior receptacles and any new exterior GFCI electrical outlets in the pool and equipment area. An electrical outlet is required between 6'-20' from the pool edge.
- Show the equipotential bonding grid and min. All pool equipment shall be bonded/grounded.
- All metal fittings and fixtures within or attached to the pool structure shall be bonded.
- All metal fixtures, parts, structures or parts thereof within 5' from the pool edge shall be bonded; metal conduits, posts, columns, piping, fencing, frames etc.
- .

#### Pool/spa Heating Equipment 9, (If provided)

- At least 36" of pipe shall be installed between the filter and heater or dedicated suction and return lines. Or built-up connections shall be installed to allow for the future addition of solar heating equipment.
- All pool and spa heating equipment shall comply with sections 110.4 & 5 of the Ca. Energy Code. and provide a CF2R-PLB-01-E form with the permit submittal. A form CF2R-PLB-03-E shall be given to the building inspector at the final inspection
- All natural gas appliances shall comply with the latest edition of Ca Energy Code, section 110.5. The following gas appliances shall not have a continuously burning pilot light; for example pool heaters, spa heaters, BBQs, patio heaters fire features.
- Indicate if a pool heater is included, provide BTUs and gas line for the heater.

#### STRUCTURAL PLAN

- Provide typical construction notes for pool construction such as: electrical notes, gunite, grounding/bonding details and notes, re-inforcing steel, pool heating, lighting pool barrier/ fence, and gates requirements etc.
- Show size and spacing of all reinforcing steel, and details/ tables.
- All engineering shall be stamped and wet signed by a State of California licensed Civil Engineer.
- Engineering shall take into account any surcharges or unusual loading conditions

#### POOL CONSTRUCTION DETAIL SHEET

- Standard Wall Section, SPA details and wall section, Typical longitudinal section, grounding/ bonding details, Pool plan view of the bonding requirements, Any block, brick, rock, building, or there surcharge placed on the pool area, step/stair or ramp details, light install section view, bond beam or raised bond beam details.

#### EQUIPMENT LIST

- Provide a list of all pool equipment to be installed, such as pumps, lighting, skimmers, heaters, etc.

#### APPLICABLE CODES

- Uniform Swimming Pool, Spa, and Hot Tub Code, Current Code Edition

- ANSI / NSPI-5, American National Standards for Residential In-ground Swimming Pools, Current Code Edition
- California Health and Safety Code for Swimming Pools and Spas.
- California Building, Plumbing, Energy. Electrical Code, Edition.

## Swimming Pool Inspections

For inspection requests call 559-591-5924.

The City of Dinuba requires a minimum of four swimming pool inspections.

### **#1 Pre-gunite & bonding-**

- Re-inforcing bar, ground/bonding wires, gas (if applicable) and electrical conduits.
- All set-backs will be checked for compliance. Setbacks shall be approved prior to placing gunite.
- All required bonding must be in place and secured; all metal within 5' of the water's edge must be bonded to the pool's steel framework. All common bonding requires a minimum #8 bare copper conductor.
- All plumbing lines for the filtering system must be pressurized and tested for leakage. A pressure test is required to be equal to or greater than the available pressure in the residential water supply system, minimum 35PSI for 10 minutes.
- Automatic fill line piping may be tested by connection to the water piping system.
- All electrical outlets within 25' of a pool shall be GFCI protected.
- Pressure test gas line to 10psi for 15 minutes- Underground PE gas line 15psi for 15 minutes

### **2. Pre-deck Inspection** – must be approved before placing any concrete decks.

- All underground plumbing, electric, and gas lines must be installed & tested as required at the pre-gunite inspection.
- All electrical wiring shall be installed in conduit.
- Water pipe shall be copper within 5' of the pool equipment.
- Concrete forms in place and sub-grade graded to 3.5".

- Equipotential bonding/bonding for deck areas must be installed and completed; #8 bare copper grounding wire.
- The perimeter surface within 3 feet of the inside wall of the pool (including unpaved, paved, concrete surfaces, etc.) shall be bonded and attached to the pool reinforcing steel or copper conductor grid at a minimum of four points spaced uniformly around the pool.

### **3. Pre-Plaster or Barriers Inspection must be signed off prior filling the pool.**

- The pool area must be equipped with a minimum of 2 of the required safety features listed in the California Swimming Pool Safety Act.
- When windows are located within 5 feet horizontally from the pool's water's edge, and the bottom edge of the glazing is less than 60" above the walk, they are required to be tempered glass. These items must be in place before approval for filling the pool.
- Alarms installed at the doors that have access to the pool; including the garage access door.
- Pool Barrier enclosure shall be a minimum of 5' high with max. 4" openings vert. fence material, fence shall be non-climbable.
- The gate shall be self-closing and a minimum of 60" high with a self-latching latch a minimum of 60" from grade.

### **4 Final Inspection**

- Code compliance.
- Pool Barrier enclosure shall be a minimum of 5' high
- Pool alarm placement and working.
- All equipment installations must be complete.
- All required bonding of equipment & components must be complete.
- All electrical complete and permanently identified in panels.
- All required anti-siphon protection installed.
- Check the anti- entrapment device.
- Metal equipment 5' from the pool shall be bonded.
- One GFCI electrical outlet is required between 6' and 20' from the pool.

#### Swimming Pool Heating.

- Easily accessible on/off switch on the outside of the equipment, no need to re-light pilot light.
- Pools equipped heater are required to have a pool cover.

- All heated pools and spas plans submittals shall include the CEC-CF2R-PLB-03-E (Revised 01/20) California Energy Code
- On-off switch. A readily accessible on-off switch, mounted on the outside of the heater that allows shutting off the heater without adjusting the thermostat setting; and
- Instructions. A permanent, easily readable, and weatherproof plate or card that gives instruction for the energy efficient operation of the pool or spa heater and for the proper care of pool or spa water when a cover is used
- Any pool or spa system or equipment shall be installed with all of the following:
  1. Piping. At least 36 inches of pipe shall be installed between the filter and the heater or dedicated suction and return lines, or built-in or built-up connections shall be installed to allow for the future addition of solar heating equipment; and
  2. Covers. A cover for outdoor pools or outdoor spas that have a heat pump or gas heater.
  3. Directional inlets and time switches for pools. If the system or equipment is for a pool:
    - i. The pool shall have directional inlets that adequately mix the pool water; and
    - ii. A time switch or similar control mechanism shall be installed as part of a pool water circulation control system that will allow all pumps to be set or programmed to run only during the off-peak electric demand period and for the minimum time necessary to maintain the water in the condition required by applicable public health standards.

#### APPLICABLE CODES

- Uniform Swimming Pool, Spa, and Hot Tub Code, 2019 Edition
- ANSI / NSPI-5, American National Standards for Residential In-ground Swimming Pools, 2019 Edition
- California Health and Safety Code for Swimming Pools and Spas.
- California Building, Plumbing, Energy. Electrical Code, Edition

Should you have any questions, please contact the Dinuba Building Department at 559-591-5924.

**HEALTH AND SAFETY CODE - HSC**

**DIVISION 104. ENVIRONMENTAL HEALTH [106500 - 119406]**

*(Division 104 added by Stats. 1995, Ch. 415, Sec. 6.)*

**PART 10. RECREATIONAL SAFETY [115725 - 116095]**

*(Part 10 added by Stats. 1995, Ch. 415, Sec. 6.)*

**CHAPTER 5. Safe Recreational Water Use [115825 - 116090.7]**

*(Chapter 5 added by Stats. 1995, Ch. 415, Sec. 6.)*

**ARTICLE 2.5. The Swimming Pool Safety Act [115920 - 115929]**

*(Article 2.5 added by Stats. 1996, Ch. 925, Sec. 3.5.)*

**115920.**

This act shall be known and may be cited as the Swimming Pool Safety Act.

*(Added by Stats. 1996, Ch. 925, and Sec. 3.5. Effective January 1, 1997.)*

**115921.**

As used in this article the following terms have the following meanings:

(a) "Swimming pool" or "pool" means any structure intended for swimming or recreational bathing that contains water over 18 inches deep. "Swimming pool" includes in-ground and aboveground structures and includes, but is not limited to, hot tubs, spas, portable spas, and nonportable wading pools.

(b) "Public swimming pool" means a swimming pool operated for the use of the general public with or without charge, or for the use of the members and guests of a private club. Public swimming pool does not include a swimming pool located on the grounds of a private single-family home.

(c) "Enclosure" means a fence, wall, or other barrier that isolates a swimming pool from access to the home.

(d) "Approved safety pool cover" means a manually or power-operated safety pool cover that meets all of the performance standards of the American Society for Testing and Materials (ASTM), in compliance with standard F1346-91.

(e) "Exit alarms" means devices that make audible, continuous alarm sounds when any door or window, that permits access from the residence to the pool area that is without any intervening enclosure, is opened or is left ajar. Exit alarms may be battery operated or may be connected to the electrical wiring of the building.

(f) "ANSI/APSP performance standard" means a standard that is accredited by the American National Standards Institute (ANSI) and published by the Association of Pool and Spa Professionals (APSP).

(g) "Suction outlet" means a fitting or fixture typically located at the bottom or on the sides of a swimming pool that conducts water to a recirculating pump.

*(Amended by Stats. 2012, Ch. 679, and Sec. 1. (AB 2114) Effective January 1, 2013.)*

## 115922.

*(a) Except as provided in Section 115925, when a building permit is issued for the construction of a new swimming pool or spa or the remodeling of an existing swimming pool or spa at a private single-family home, the respective swimming pool or spa shall be equipped with at least two of the following seven drowning prevention safety features:*

*(1) An enclosure that meets the requirements of Section 115923 and isolates the swimming pool or spa from the private single-family home.*

*(2) Removable mesh fencing that meets American Society for Testing and Materials (ASTM) Specifications F2286 standards in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device.*

*(3) An approved safety pool cover, as defined in subdivision (d) of Section 115921.*

*(4) Exit alarms on the private single-family home's 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) A self-closing, self-latching device with a release mechanism placed no lower than 54 inches above the floor on the private single-family home's doors providing direct access to the swimming pool or spa.*

*(6) An alarm that, when placed in a swimming pool or spa, will sound upon detection of accidental or unauthorized entrance into the water. The alarm shall meet and be independently certified to the ASTM Standard F2208 "Standard Safety Specification for Residential Pool Alarms," which includes surface motion, pressure, sonar, laser, and infrared type alarms. A swimming protection alarm feature designed for individual use, including an alarm attached to a child that sounds when the child exceeds a certain distance or becomes submerged in water, is not a qualifying drowning prevention safety feature.*

*(7) Other means of protection, if the degree of protection afforded is equal to or greater than that afforded by any of the features set forth above and has been independently verified by an approved testing laboratory as meeting standards for those features established by the ASTM or the American Society of Mechanical Engineers (ASME).*

*(b) Before the issuance of a final approval for the completion of permitted construction or remodeling work, the local building code official shall inspect the drowning safety prevention features required by this section and, if no violations are found, shall give final approval.*

*(Amended by Stats. 2017, Ch. 670, and Sec. 4. (SB 442) Effective January 1, 2018.)*

## 115923.

An enclosure shall have all of the following characteristics:

*(a) Any access gates through the enclosure open away from the swimming pool, and are self-closing with a self-latching device placed no lower than 60 inches above the ground.*



- (b) A minimum height of 60 inches.
- (c) A maximum vertical clearance from the ground to the bottom of the enclosure of two inches.
- (d) Gaps or voids, if any, do not allow passage of a sphere equal to or greater than four inches in diameter.
- (e) 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.

*(Added by Stats. 1996, Ch. 925, and Sec. 3.5. Effective January 1, 1997.)*

#### **115924.**

(a) Any person entering into an agreement to build a swimming pool or spa, or to engage in permitted work on a pool or spa covered by this article, shall give the consumer notice of the requirements of this article.

(b) Pursuant to existing law, the Department of Health Services shall have available on the department's Web site, commencing January 1, 2007, approved pool safety information available for consumers to download. Pool contractors are encouraged to share this information with consumers regarding the potential dangers a pool or spa poses to toddlers. Additionally, pool contractors may provide the consumer with swimming pool safety materials produced from organizations such as the United States Consumer Product Safety Commission, Drowning Prevention Foundation, and California Coalition for Children's Safety & Health, Safe Kids Worldwide, Association of Pool and Spa Professionals, or the American Academy of Pediatrics.

*(Amended by Stats. 2006, Ch. 478, and Sec. 3. Effective January 1, 2007.)*

#### **115925.**

The requirements of this article do not apply to any of the following:

- (a) Public swimming pools.
- (b) Hot tubs or spas with locking safety covers that comply with the American Society for Testing and Materials (ASTM F1346).
- (c) An apartment complex, or any residential setting other than a single-family home.

*(Amended by Stats. 2017, Ch. 670, Sec. 5. (SB 442) Effective January 1, 2018.)*

#### **115926.**

This article does not apply to any facility regulated by the State Department of Social Services even if the facility is also used as the private residence of the operator. Pool safety in those facilities shall be regulated pursuant to regulations adopted therefor by the State Department of Social Services.

*(Added by Stats. 1996, Ch. 925, Sec. 3.5. Effective January 1, 1997.)*

### **115927.**

Notwithstanding any other provision of law, this article shall not be subject to further modification or interpretation by any regulatory agency of the state, this authority being reserved exclusively to local jurisdictions, as provided for in paragraph (7) of subdivision (a) of Section 115922 and subdivision (c) of Section 115925.

*(Amended by Stats. 2018, Ch. 957, and Sec. 13. (SB 1078) Effective January 1, 2019.)*

### **115928.**

Whenever a building permit is issued for the construction of a new swimming pool or spa, the pool or spa shall meet all of the following requirements:

(a) (1) the suction outlets of the pool or spa for which the permit is issued shall be equipped to provide circulation throughout the pool or spa as prescribed in paragraphs (2) and (3).

(2) The swimming pool or spa shall either 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 three feet in any dimension between the suction outlets, or be designed to use alternatives to suction outlets, including, but not limited to, skimmers or perimeter overflow systems to conduct water to the recirculation pump.

(3) The circulation system shall have the capacity to provide a complete turnover of pool water, as specified in Section 3124B of Chapter 31B of the California Building Standards Code (Title 24 of the California Code of Regulations).

(b) Suction outlets shall be covered with anti-entrapment grates, as specified in the ANSI/APSP-16 performance standard or successor standard designated by the federal Consumer Product Safety Commission that cannot be removed except with the use of tools. Slots or openings in the grates or similar protective devices shall be of a shape, area, and arrangement that would prevent physical entrapment and would not pose any suction hazard to bathers.

(c) Any backup safety system that an owner of a new swimming pool or spa may choose to install in addition to the requirements set forth in subdivisions (a) and (b) shall meet the standards as published in the document, "Guidelines for Entrapment Hazards: Making Pools and Spas Safer," Publication Number 363, March 2005, United States Consumer Product Safety Commission.

*(Amended by Stats. 2012, Ch. 679, Sec. 2. (AB 2114) Effective January 1, 2013.)*

### **115928.5.**

Whenever a building permit is issued for the remodel or modification of an existing swimming pool, toddler pool, or spa, the permit shall require that the suction outlet or suction outlets of the existing swimming pool, toddler pool, or spa be upgraded so as to be equipped with anti-entrapment grates, as specified in the ANSI/APSP-16 performance standard or a successor standard designated by the federal Consumer Product Safety Commission.

*(Amended by Stats. 2012, Ch. 679, and Sec. 3. (AB 2114) Effective January 1, 2013.)*

### **115929.**

(a) The Legislature encourages a private entity, in consultation with the Epidemiology and Prevention for Injury Control Branch of the department, to produce an informative brochure or booklet, for consumer use, explaining the child drowning hazards of, possible safety measures for, and appropriate drowning hazard prevention measures for, home swimming pools and spas, and to donate the document to the department.

(b) The Legislature encourages the private entity to use existing documents from the United States Consumer Product Safety Commission on pool safety.

(c) If a private entity produces the document described in subdivisions (a) and (b) and donates it to the department, the department shall review and approve the brochure or booklet.

(d) Upon approval of the document by the department, the document shall become the property of the state and a part of the public domain. The department shall place the document on its Web site in a format that is readily available for downloading and for publication. The department shall review the document in a timely and prudent fashion and shall complete the review within 18 months of receipt of the document from a private entity.

*(Added by Stats. 2003, Ch. 422, Sec. 3. Effective January 1, 2004.)*