

SWIMMING POOLS • SPAS • HOT TUBS

Plan Submittal Checklist

Purpose

This handout summarizes the requirements for a complete plan review submittal for private residential swimming pools and spas in single-family homes. In-ground swimming pools will require a normal plan review submittal. Permits for above-ground hot tubs or spas may be issued over-the-counter provided all the code regulations and plan criteria are met. The following guideline shall be reviewed before commencing any work.

Permits Required

A swimming pool permit is required for all indoor and outdoor swimming pools, and in-ground and above-ground spas or hot tubs.

Exceptions: No permit is required for these types of installations (Dublin Municipal Code 7.28.310):

- Swimming, bathing and wading pools, and fish ponds not exceeding eighteen (18) inches in depth.
- Prefabricated swimming pools, spas or hot tubs not exceeding four (4) feet in depth if resting on the surface of the ground or a concrete slab on the ground.

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

Additional Approvals

Planning Division **Ph: (925) 833-6610**

Contact Staff for verification of setback distances to property lines.

Public Works Department **Ph: (925) 833-6630**

Staff reviews plans to confirm location of utility easements, site grading, site drainage and location of geogrid systems.

Dublin San Ramon Services District

www.dsrsd.com **Ph: (925) 828-0515**

Approval must be attained from **DSRSD** prior to issuance of the City Building Permit. To apply, visit: https://selfservice.dsrsd.com/EnerGov_Prod/SelfService#/home. If this is the first time visiting the site, you will need to sign up for an account. You can find the instructions here: <https://www.dsrsd.com/do-business-with-us/development-and-construction> under DSRSD Requirements “How to register” and “How to apply for review”. Please contact DSRSD directly for additional information and questions by email at plansubmittals@dsrsd.com or by phone at **(925) 828-0515**.

Plan Submittal for Construction

Plans for In-Ground Swimming Pools

- To submit for a permit the following information must be completed electronically through <https://dublinca-energovweb.tylerhost.net/apps/selfservice#/home>.
 - Please request via permits@dublin.ca.gov a copy of the instructions to submit and upload your plan submittal.
 - A completed permit application worksheet. [Permit Application Form](#)
- Contractor's City of Dublin Business License must be current.
- Site plan to include lot dimensions; setback distances from property lines and from other accessory building structures to the swimming pool. Location of all existing utility easements, existing/proposed retaining walls, and drainage. Locations of pool equipment, disconnects, breaker size, electrical panel, and gas meter. Location of electrical outlets within 20-ft of the pool; depth of pool.
- Structural Plans. Stamped and wet-signed, engineered calculations and steel schedule prepared by a CA Licensed Engineer.

Plans for Self-contained, Above-Ground (Portable) Spas or Hot Tubs

- Site plan to include lot dimensions; setback distances from property lines and building structures to the spa/hot tub. Location of all existing utility easements; disconnects, and breaker size. Receptacle outlets within 20-ft of the hot tub/spa; type of conduit; existing service panel and amperage.

Please Note: Set back dimensions must be approved by the Planning Division prior to permit application submittal.

Plumbing, Mechanical & Energy Plans

Electrical Requirements (2022 CEC)

- Location and type of electrical service (underground or overhead).
- At least one 125 volt, 15 or 20 amp receptacle shall be located not closer than 6-ft and not farther than 20-ft from the inside wall of the pool. (CEC Art. 680.22)
- Wiring for a single-family dwelling pool or spa shall be copper or aluminum.
- Underground wiring must be installed in Rigid Metallic Conduit or other approved method. (CEC Art. 680.11 (A)(1))
- All 15 and 20 amp, single phase receptacles located within 20-ft shall be GFCI. (CEC Art. 680.22(A)(4))
- Overhead electrical conductors, clearances above water, steps, platforms, etc., must be per Figure & Table 680.8(A).

Plumbing Requirements (2022 CPC)

- Gas line sized per CPC Table 1215.2.
- 12-in minimum burial for underground gas lines.
- Gas lines within garage or house, exposed but protected from elements, may be black iron or galvanized piping.
- A gas shut-off valve within 6-ft of the heater.
- Hose bibs within 20-ft of water line must have an anti-siphon device.

Anti-Entrapment Requirements

New Swimming Pools & Spas

- At least two circulation drains per pump shall be hydraulically balanced and symmetrically plumbed through one or more "T" fittings, and

are separated by a distance of at least 3-ft in any dimension between the drains.

- Suction outlets that are less than 12-in across shall be covered with anti-entrapment grates as specified in the ASME/ANSI Standard A112.19.8, which 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.

Existing Swimming Pools & Spas

Suction outlet of the pool or spa shall be upgraded so as to be equipped with an anti-entrapment cover meeting current standards of the ASME (American Society of Mechanical Engineers).

Enclosures Requirements (2022 CBC, SB 442)

I. Barriers for Outdoor Swimming Pools, In-Ground Spas or Hot Tubs

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 3109.2 115923)

- 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.
- A minimum height of 60 inches.
- A maximum vertical clearance from the ground to the bottom of the enclosure of two inches.
- Gaps or voids, if any, do not allow passage of a sphere equal to or greater than four inches in diameter.
- An outside surface free of protrusions, cavities, or other physical characteristics that would serve as hand holds or footholds that could enable a child below the age of five to climb over.

II. Barriers 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.

III. Safety Features

The swimming pool or spa shall be equipped with at least **two of seven** drowning prevention safety features required by SB-442 and CBC Section 3109.2. 115922(a)

1. An enclosure that meets the requirements of Section 115923 and isolates the swimming pool or spa from the private single-family home (see Enclosure Requirements above).
2. Removable mesh pool fencing that meets ASTM International F2286 standards in conjunction with a gate that is self-closing and self-latching that can accommodate with a key lockable device.
3. A manually operated or power-operated safety pool cover that is accompanied by a label verifying the cover meets the specifications of the ASTM International F1346-23 standard.
4. The residence shall be equipped with exit alarms on doors and windows that provide direct access to the swimming pool or spa without intervening enclosure. Whenever any door or window is opened or left ajar, the exit alarm may make either an audible, continuous alarm sound or a repeating verbal warning, such as a notification that "the door to the pool is open."
5. All doors providing direct access from the home to the swimming pool or spa shall be equipped with a self-closing, self-latching device with a release mechanism placed no lower than 54 inches above the floor.
6. An alarm in good repair and operable as designed 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 International F2208 standard that 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 devices set forth above and has been independently verified by an approved testing laboratory as meeting standards for those devices

established by the ASTM International, the ASME, or another nationally recognized standards development organization, and the feature is accompanied by a label verifying that the protection meets those standards.

(b) The requirements of subdivision (a) are not satisfied by any of the following:

1. An exit alarm and a self-closing, self-latching device on the same door.
2. An exit alarm and a door latch on separate doors.
3. A safety pool cover and an alarm described in paragraph (6) of subdivision (a).

Inspection Guidelines

Indoor or Outdoor Swimming Pools

1. **Pre-Permitting Site Inspection.** Required prior to the issuance of a permit. The applicant shall schedule the site inspection after being notified that the plans have been approved by all the Departments. The inspection will ensure there are no concerns with slope, access to pool, existing easement locations, etc.
2. **Pre-Gunite.** Steel (rebar) placement; plumbing under pressure test. A minimum pressure test of 50 PSI for 15 minutes for water line and 10 PSI for 15 minutes for gas line will be performed. Electric installed; bonding of pool and spa steel.
3. **Pre-deck.** Steel (grid structure), all plumbing and electric must be installed.
4. **Pre-plaster.** Prior to filling the pool with water, verify barrier installation (e.g., fence, gates, door alarms).
5. **Final.** Final grading; location of all equipment is in operation; pool must be filled.

Please Note: Fiberglass swimming pools must have all barriers and safety features in place prior to filling in with water.

Spas and Hot Tubs

1. **Underground Electrical & Plumbing.** Required if plumbing lines or electric lines are placed underground.
2. **Final.** Approved safety cover or other barrier installation; all equipment operational.

Questions

Contact the **Building & Safety Division** at **(925) 833-6620** for inquiries on plan check submittal and fees.