



**EXISTING POOL / SPA FACILITY
 RENOVATION / REPLASTERING / EQUIPMENT CHANGE CHECKLIST**

PLAN SUBMITTAL—Any person proposing to renovate, re-plaster, reconstruct or alter, a public pool or its ancillary facilities, mechanical equipment or related piping, shall submit legible plans and specifications to County of Sonoma, Environmental Health before any work is completed.

A valid California State Contractors License (C-53 Pool Contractor, or A Engineering) is required to construct public pools. A licensed architect or engineer may submit plans; however, the pool contractor must be identified prior to commencement of construction

PROVIDE THE FOLLOWING ON PLANS:

1.	GENERAL INFORMATION
	Job site name, address, city, and zip.
	C-53 Contractor's license number on plans.
2.	EQUIPMENT AND PLUMBING INFORMATION
	Provide year the pool/spa was originally built.
	State volume of pool/spa on plans.
	Provide make, model number, and size of existing equipment (filter, pump(s) and chemical controllers).
	Include technical specification sheets of any new equipment being installed (drain covers included). All equipment must be NSF/ANSI 50 and drain covers must meet ANSI/APSP-16 2011 performance standard.
	State on plans size of existing suction and return lines.
	Ensure automatic chemical feeder is electrically interlocked with pump to prevent uncontrolled chemical discharge.
3.	REPLASTERING REQUIREMENTS — <i>when a pool is renovated, certain items are required to be upgraded, depending on what changes are being made to the pool.</i>
	State on plans, pool to be resurfaced with white plaster or a smooth, waterproof, white interior finish, impervious to moisture and constructed of reinforced concrete or a material equivalent in strength and durability. There shall be no letters, marking or images of any kind other than safety markings on the pool shell.
	In pools greater than 5 ft. in depth, provide a straight line of slip-resistant tile of contrasting color installed where the water depth is 4½ ft. The tile must be at least 4 inches, but not greater than 6 inches wide.
	Provide depth markers of contrasting color on <u>both sides</u> , at the <u>minimum and maximum depths</u> , at the <u>break in slope (4½ ft)</u> and <u>both ends</u> of the pool. Markers must be permanent. Painted letters or stickers are not permitted. Depth markers must indicate the water depth, accurate to the nearest 6 inches as measured from the pool floor to the middle of the skimmer opening. The pool must be lined with contrasting ceramic waterline tiles around the entire perimeter of the pool.
	Provide depth markers are required on the deck at all locations corresponding the wall markers. For pools with a maximum water depth of 6 ft. or less permanent no diving markers are required next to each of the deck depth markers.
	State on plans depth markers are marked with the letters "feet" or "ft." and "inches" or "in". Depth markers must be at least 4 inches in height.
	Provide contrasting tile along the edge of pool steps no greater than 4 inches wide and slip-resistant.
	Show a second means of entry and exit in the deep portion of a pool having a depth greater than 4 ½ feet.

	Provide at least one hand rail for all stairs, except for a spa, two handrails are required. The rail must be between 28 inches and 36 inches above the deck and above each step tread. Handrail must extend from the deck to not less than a point above the top of the lowest step installed. There should be a minimum clearance of 3 inches between any handrail and step riser.
	Provide coping detail. Pool's coping must extend out into the pool at least one inch but not more than two inches. The coping must be at least 1 inches thick but no greater than 2½ inches thick.
	Indoor/outdoor carpeting or similar products are not approved on the deck within four feet of a swimming or spa pool. Any deck material other than concrete must be approved by this department.
	Provide a pressure and vacuum gauge provided for each pump system. The pressure gauge located on the filter shall be marked with the clean start up pressure reading.
	Show location of flow meter. Flow meter shall be provided on each recirculation system accurate to within 10 percent of flow and installed according to the manufacturer's written instructions with increments in the range of normal flow.
	An automatic chlorinator is required which is capable of supplying not less than the equivalent of 3 pounds of chlorine per day per 10,000 gallons pool water capacity. An automatic chemical monitoring control system may be required for major remodels or when changing equipment. Automatic chemical monitoring and control system that regulates, at a minimum, pH and disinfectant Chemical feeders and associated components shall be constructed and installed to prevent uncontrolled discharge or siphoning of chemicals and fumes directly into the pool, its recirculation system, the pool area or ancillary facilities.
	Ensure no direct connection of a pool or its recirculating system shall be permitted with a sanitary sewer, storm drain or deck drain system. Drainage and backwash piping shall be considered indirect waste and installed in accordance California Plumbing Code requirements.
	State on plans, each hose bibb at the site must be protected by an approved backflow device.
	Ensure a life ring with rope attached is required (spas and wading pools exempt). The rope must be as long as the, maximum width of the pool.
	A 12-foot-minimum fixed-length rescue pole with a permanently attached bodyhook. For spas, the length of the rescue pole shall be of sufficient length to effectuate rescue.
	All pools must be in compliance with Title 24, Section 3162 of the California Building Code (Virginia Graeme Baker Safety Act). All suction drains on public pools must be split or have a safety vacuum release system or automatic pump shut-off system. All drain covers must meet ANSI/APSP-16 2011 performance standard and be correctly sized.
	Show location of automatic makeup of water equipped with approved backflow and/or split skimmer equalizer suction outlet(s).
	State on plans all pool lights must be protected by a Ground Fault Circuit Interrupter.
	All pools with diving boards will be evaluated during any plan review to assure it meets current pool code requirements.
	Provide the direction of flow for the recirculation equipment. Where the recirculation equipment for more than one pool is located on site, the equipment shall be marked as to which pool the system serves. Valves and plumbing lines shall be labeled clearly with the source or destination descriptions.
4.	REQUIRED SIGNS — <i>All signs shall have clearly legible letters or numbers not less than 4 inches high, unless otherwise noted, fixed to a wall, pole, gate or similar permanent structure in a location visible to all pool users:</i>
	POOL CAPACITY SIGN - A sign shall indicate the maximum number of pool users permitted for each pool. [In letters and numbers not less than 4 inches high]. The pool user capacity of a spa pool shall be based on one pool user for every 10 square feet of pool water surface area. The pool user capacity for all other pools shall be based on

	one pool user for every 20 square feet of pool water surface area. Pool user capacity requirements do not apply to wading pools or spray grounds.
	NO DIVING SIGN. Signs shall be posted in conspicuous places and shall state, "NO DIVING" at pools with a maximum water depth of 6 feet or less. [In letters not less than 4 inches high].
	NO LIFEGUARD SIGN - Where no lifeguard service is provided, a sign shall be posted stating, "NO LIFEGUARD ON DUTY." [In letters not less than 4 inches high]. The sign also shall state [in letters not less than 1 inch high], "Children Under the Age of 14 Shall Not Use Pool Without A Parent or Adult Guardian In Attendance."
	ARTIFICIAL RESPIRATION AND CARDIOPULMONARY RESUSCITATION SIGN - An illustrated diagram with text [not less than 1/4 inch high] of artificial respiration and CPR procedures shall be posted.
	EMERGENCY SIGN - The emergency telephone number 911, the number of the nearest emergency services and the name and street address of the pool facility shall be posted. [In letters and numbers not less than 1 inch high].
	<p>SPA WARNING SIGN - A warning sign for spa pools shall be posted stating, "CAUTION" and shall include the following language [in letters not less than 1 inch high]:</p> <ul style="list-style-type: none"> a. Elderly persons, pregnant women, infants and those with health conditions requiring medical care should consult with a physician before entering the spa. b. Unsupervised use by children under the age of 14 is prohibited. c. Hot water immersion while under the influence of alcohol, narcotics, drugs or medicines may lead to serious consequences and is not recommended. d. Do not use alone. e. Long exposure may result in hyperthermia, nausea, dizziness or fainting.
	EMERGENCY SHUT-OFF SWITCH SIGN – [In letters not less than 1 inch high], a sign shall be posted at the spa emergency shut off switch stating, "EMERGENCY SHUT -OFF SWITCH."
	KEEP CLOSED SIGN - A sign shall be posted on the exterior side of gates and doors leading into the pool enclosure area stating, "KEEP CLOSED" [In letters not less than 4 inches high].
	DIARRHEA NOTICE SIGN - The pool operator shall post at the entrance area of a public pool, a sign in letters at least 1 inch high that clearly states that persons with diarrhea and persons who have had diarrhea within the prior 14 days shall not enter the pool water.