

County of Santa Cruz

HEALTH SERVICES AGENCY

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060-4073

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ENVIRONMENTAL HEALTH

SWIMMING POOL PLAN CHECK SHEET

Title 22 of the California Administrative Code requires that any person constructing, reconstructing, or altering a swimming pool, auxiliary structure or equipment submit legible plans and specifications to the enforcing agent, Santa Cruz County Environmental Health Service, for review and written approval prior to commencing work or issuance of necessary building permits [Section 65595] THIS CHECKLIST IS DESIGNED TO ASSIST THE APPLICANT IN THE PREPARATION OF SATISFACTORY PLANS.

A new swimming pool (commercial) located in the unincorporated area must first receive clearance from the County Planning (Zoning) Department.

The following must be submitted to the Environmental Health Service in triplicate. Two sets will be returned with a list of corrections or stamped as approved.

1. Drawings to scale (pool: 1/4" = 1 foot) of the pool in both plan view and longitudinal section and, where there are diving boards, transverse section.
2. Drawings to scale of the equipment room, equipment, plumbing and electrical with each item identified and piping sizes specified.
3. Drawings to scale of the deck area including drainage, fencing and gates, hose bib and drinking fountain locations.
4. Drawings to scale of restrooms, shower and locker areas when appropriate.

The following must also be submitted at the time of application for each pool:

1. Specification sheets for all pool equipment including pumps (with pump curves), filters, skimmers, chlorinators, heaters, flow meters, separation tanks, lights, and hand rails.
2. The following list of items [pages 2-12] must be completed, signed and dated by the pool contractor/designer. All pool and equipment data must be shown on plans submitted.

IDENTIFICATION:

Name of Facility Where Pool to be Constructed:	Location/Address	City
Owner	Address	Phone
Contractor/Designer	Address	Phone
Person to Contact Regarding Plans		Phone

POOL DATA - Part I OF II

ANSWER THE FOLLOWING QUESTIONS WHERE APPLICABLE

AND CHECK THE APPROPRIATE BOX(es):

<p>1. TYPE OF POOL (Check): A. ___ standard (no diving) B. ___ standard (diving) C. ___ wading D. ___ special use/other If D., specify _____</p> <p>2. POOL DIMENSIONS: A. Length _____ B. Width _____ C. Diameter _____ D. Surface Area _____ E. Min. Depth _____ F. Max. Depth _____ G. Aver. Depth _____ H. Volume(gals.) _____ I. Odd configuration, see plans _____</p> <p>3. POOL COLOR: _____</p> <p>4. RETURN INLETS: A. # of inlets _____ B. Size of inlets _____ C. Inlets adjustable _____ D. Show inlet balance plumbing design on plans ___ Yes ___ No</p> <p>5. BOTTOM DRAIN: A. Safety type dual main drains at least 3 feet apart (Equally "T'd"). B. Open area of each drain cover _____ sq. in. C. GPM per grate (½ of GPM if 2 grates) ___ ÷ 7.48 gal./cu. ft. = ___ cfm ÷ 60 sec/min = ___ cfs ÷ grate opening in sq. ft. (sq. in ÷ 144) = _____ fps. (Must be less than 2 ft./sec for flat covers or Less than 6 ft/sec for antivortex covers)</p> <p>6. FLOW VELOCITIES A. Complete plumbing layout, <u>INCLUDING PIPE SIZES</u>, shall be shown in plans (suction piping from main drains and balanced skimmers/equalizer lines to pump. Return piping from pump, through equipment to balanced inlets). ___ Yes ___ No B. The maximum velocity in any suction piping shall not exceed 6 ft./sec. ___ Yes ___ No C. The maximum velocity in any return piping shall not exceed 8 ft./sec ___ Yes ___ No</p> <p>7. PUMP: A. Make/Model _____ B. Horsepower _____ C. # of pumps _____ D. Ft. of head in system _____ (if not calculated use 60 ft. of head) E. GPM @ system head loss _____ F. Turnover rate _____ G. Hair & Lint catcher ___ Yes ___ No</p>	<p>8. FILTER A. Type _____ B. Make/Model _____ C. Area in sq. ft. _____ D. # of filters _____ E. Total Area _____ sq. ft.</p> <p>9. HYDROSTATIC RELIEF VALVE/ASSEMBLY: ___ Yes ___ No</p> <p>10. CHLORINATION OR DISINFECTION UNIT: A. Type of unit _____ B. Make/Model _____</p> <p>11. SKIMMER/GUTTER SYSTEM: A. # of skimmers _____ B. Make/Model _____ C. Show skimmer balance plumbing design on plans. ___ Yes ___ No D. Make/model of "Anti-Hair Entrapment Equalizer Line Covers" _____ E. Gutter system with surge tank at _____ gallons</p> <p>12. FLOWMETER: A. # of flow meters _____ B. Make/Model _____</p> <p>13. PRESSURE GAUGES: Influent Yes ___ No ___ Effluent Yes ___ No ___</p> <p>14. VACUUM GAUGE: Yes ___ No ___</p> <p>15. POOL STEPS/STAIRS/LADDERS/RAILS: A. Pool is _____ ft. at shallow end B. Riser height of stairs _____ (All stair risers must be uniform in height) C. Does each stair have uniform tread not less than 12" wide (except top step not less than 18" wide)? ___ Yes ___ No D. # of safety rails _____ E. Height of rail above deck _____ in. F. # of ladders _____ G. Clearance between ladder and side wall _____ in. (3"-5") H. Clearance between handrail and a stair riser _____ in. (3" - 5") I. Stepholes have a tread of _____ in. and a width of _____ in.</p> <p>16. DEPTH MARKERS: A. _____ maximum depth B. _____ minimum depth C. _____ each end D. _____ break in slope E. _____ perimeter at 25 ft. increments F. _____ vertical wall of pool at water line G. _____ vertical wall of pool & on deck surface (if pool width exceeds 20 ft.) H. _____ markers are a minimum 3 in. in ht. I. _____ "Ft." abbreviation after each depth marker</p>
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POOL DATA - Part I OF II (Continued)

ANSWER THE FOLLOWING QUESTIONS WHERE APPLICABLE

AND CHECK THE APPROPRIATE BOX(s):

17. BREAK MARKING:

- A. Pool has a break in slope at 4 ½ Ft. ___ Yes ___ No
- B. Proper flush mounted devices for fastening a safety rope & buoys across pool (at 4 ½ ft. Depth) installed ___ Yes ___ No
- C. Break-in-depth slip resistant 4 in. tiles ___ Yes ___ No

18. DECK:

- A. Deck is made of _____
- B. Deck is _____ ft. wide
- C. Deck is _____ ft. wide between pool and spa
- D. Deck is sloped 1/4"/ft. to deck rain ___ Yes ___ No
- E. Deck drains to _____

19. COPING:

- A. Type _____
- B. Manufacturer _____

20. FENCING:

- A. Does fencing enclose pool? _____
- B. What is its height? _____
- C. Are any openings greater than 4 in. in any dimension? _____
- D. Is the bottom of the fence within 2 inches of finished grade? _____
- E. Does the gate have a self-closing self-latching lock? _____

21. EQUIPMENT ROOM:

- A. The floor is made of _____
- B. Is there easy access to all equipment and gauges? _____
- C. Have provisions been made for a back wash sight glass? _____
- D. Is floor sloped 1/4"/ft. to a drain _____

22. DRESSING ROOM/TOILET/SHOWER:

- A. Straight line distance from above to farthest point of the farthest living unit _____ ft.
- B. Are public showers, toilets and dressing rooms provided? _____
- C. Total # of bathers is _____
- D. Is one shower per 50 bathers provided? _____
- E. Is one lavatory per 80 bathers provided? _____
- F. Separate toilet facilities for men and women are provided as follows:
of women toilets _____
of men toilets _____

- # of men urinals _____
- # of women showers _____
- # of men showers _____
- # of women lavatories _____
- # of mens lavatories _____

- G. Hot water max. temp. is _____ °F.

23. HOSE BIBS/DRINKING FOUNTAIN:

- A. Has a hose bib been provided that is located so that all portions of the deck can be reached with 75 ft. of hose _____.
- B. There is/are _____ drinking fountain(s).

24. SIGNS: The following signs will be posted at pool side:

- A. ___ No Lifeguard on Duty
- B. ___ Lifeguard on Duty
- C. ___ Artificial Respiration
- D. ___ No Diving Sign
- E. ___ Chlorine Gas
- F. ___ Emergency Phone Numbers
- G. ___ Pool Occupancy Capacity

25. SAFETY EQUIPMENT

- A. ___ Life hook and pole
- B. ___ Life ring with 3/16" rope
- C. ___ First aid kit
- D. ___ Test kit (pH, free chlorine & cyanuric acid)

26. BACKWASH

- A. Separation tank ___ Yes ___ No
Make/model _____
maximum capacity _____ sq. ft.
- B. Air gap filter backwash to public sewer
___ Yes ___ No
- C. Backwash receptacle size _____ p-trap size _____.
- D. Backwash valve ___ Yes ___ No _____ size
Make/Model _____
- E. Backwash water goes to _____.
- F. Pool water, if emptied, goes to _____

27. HEATER

- A. Mfg. _____ Model _____
connection pipe size _____ in.
- B. Max. flow _____.
External bypass valve ___ Yes ___ No,
Size of bypass _____ in.

POOL DATA - Part I of II (Continued)

**ANSWER THE FOLLOWING QUESTIONS WHERE APPLICABLE
AND CHECK THE APPROPRIATE BOX(s):**

DO THE FOLLOWING CALCULATIONS:

I. Gallonage Calculation:

A. length x width x average depth (shallow end depth + deep end depth ÷ 2) x 7.5 gal/ft³ = # of gallons
Answer: _____ gal.

B. For Round Pools:
3.14 x R² x average depth x
7.5 gal/ft³ = # of gallons
Answer: _____ gal.

II. Pump Curve Calculations:

_____ gpm from pump curve at
_____ ft. of head

- A. 60 ft. of head for pressure D.E., high rate sand & cartridges
- B. 45 ft of head for rapid sand
- C. 40 ft of head for vacuum D.E.

III. Turnover Calculations:

Pump must provide a complete turnover of pool water in a 6 hour period.

- A. gallons in pool = min. gpm of pump
360 min.
- B. _____ = _____
360 min. (answer)
- C. Gallons in pool X 6 ÷ pump curve gpm
X 360 = _____ turnover
rate in hours.

IV. Max. Filtration Flow Rate Calculations:

(Complete for your filter type)

- A. Rapid sand: 3 gpm/ft² maximum
_____ gpm (pump curve)
sq. ft. of filter
= _____ gpm/sq. ft of filter area
(answer)
- B. D.E.: 2 gpm/ft² maximum
_____ gpm (pump curve)
sq. ft. of filter
= _____ gpm/sq. ft. of filter area
(answer)

C. High Rate Sand: Recommend 12-14 gpm/sq. ft. of filter area. Backwash rate shall not be less than 15 gpm/sq. ft. of filter area
_____ gpm (pump curve)
sq.ft. of filter (filter area)
= _____ gpm/sq. ft of filter area

D. Cartridge: 0.375 gpm/ft² maximum
_____ gpm (pump curve)
sq. ft. of filter
= _____ gpm/sq. ft. of filter area

V. Skimmer Calculations:

- A. 1 Skimmer/500 ft² surface area
_____ ft² (pool surface)
500 ft²/skimmer
= _____
(# of skimmers)
- B. _____ pump curve gpm
of skimmers = _____ gpm/skimmer
(35 gpm optimum)

VI. Surge Tank Calculation:

_____ ft² (pool surface)
1 gal/sq. ft.
= _____ gal.
(of surge tank)

VII. Inlet Calculations:

- A. 2 per first 10,000 gal., 1 per each 10,000 gal. thereafter
- B. First 10,000 gal. = 2 inlets
(remainder gallons) =
10,000 gal.
_____ additional inlets
- C. Total inlets = _____
- D. Inlet flow rate: gpm (pump curve)
Total # of inlets
= _____ gpm
Inlet
*Check optimum inlet flow rate (inlet cut sheet)
_____ gpm/inlet.

PART II OF II

ANSWER THE FOLLOWING QUESTIONS:

- 2-9011 #1 Pool shall be designed and durably built of reinforced concrete, or material equivalent in strength and be watertight.
 Yes No Not Applicable Shown on plans
- 2-9011 #2 The finished pool shall be white.
 Yes No Not Applicable Shown on plans
- 2-9011 #3 Pool is free from projections and recessed areas. All radiuses/pinch points must be at least 6".
 Yes No Not Applicable Shown on plans
- 2-9012 #4 If temporary training pool (2-9012) (Answer a-d below)
 Yes No Not Applicable Shown on plans
- a. Complies with Section 2-9011
 Yes No Not Applicable Shown on plans
- b. Installed on paved level surface which extends at least 10' beyond pool walls.
 Yes No Not Applicable Shown on plans
- c. Provided with a solid cover that will support 40 lbs/sq. ft.
 Yes No Not Applicable Shown on plans
- d. Pool and cover designed by a registered engineer.
 Yes No Not Applicable Shown on plans
- 2-9013 #5 Geometry of pool conforms to one of the appropriate diagrams in figures 2-9013 (a) 1 through 2-9013 (a) 3
 Yes No Not Applicable Shown on plans
- 2-9013 #6 Pool has a change (Break) of slope from shallow to deep end.
 Yes No Not Applicable Shown on plans
- 2-9013 #7 Pool has flush mounted fastening devices for fastening a safety rope and buoys across the pool where water depth is 4 ½ ft.
 Yes No Not Applicable Shown on plans
- 2-9014 #8 There is a 4 inch wide straight line of slip resistant tile across the bottom of the pool at the 4 ½ ft. depth mark.
 Yes No Not Applicable Shown on plans
- 2-9014 #9 Are there any designs resembling a human form on the walls or bottom of the pool.
 Yes No Not Applicable Shown on plans
- 2-9014 #10 The water depth is clearly marked at the following locations (circle letter preceding your answer):
- a. Maximum depth(*Wading pool must have 2 depth markers indicating maximum depth)
 - b. Minimum depth
 - c. Each end
 - d. Break in slope
 - e. Perimeter at increments not exceeding 25 ft.
 - f. On vertical walls at/or above water level

PART II OF II (continued)

- 2-9014 #11 Pool is greater than 20 ft. wide and has depth markers also on edge of deck.
 Yes No Not Applicable Shown on plans
- 2-9014 #12 Depth markers are at least 3 in. in height, of contrasting color, made of durable material that resists weathering (slip resistant if located on the deck.) Also, the abbreviation "Ft" (3 inches in height) must appear after each depth marker.
 Yes No Not Applicable Shown on plans
- 2-9014 #13 Width of lane markings doesn't exceed 12 inches
 Yes No Not Applicable Shown on plans
- 2-9015 #14 Depth of shallow end of pool exceeds 2 ft. and requires steps and ladders.
 Yes No Not Applicable Shown on plans
- 2-9015 #15 Depth at deep end of pool exceeds 4 ½ ft. and requires ladders.
 Yes No Not Applicable Shown on plans
- 2-9015 #16 Pool exceeds 30 ft. in width and requires ladders on both sides at increments not exceeding 100 ft.
 Yes No Not Applicable Shown on plans
- 2-9015 #17 Each stair shall have uniform treads and minimum tread of stairs is 12 inches or greater.
 Yes No Not Applicable Shown on plans
- 2-9015 #18 Stair risers shall be uniform and riser height of stairs does not exceed 12 inches.
 Yes No Not Applicable Shown on plans
- 2-9015 #19 The top step is curved convexly and top step tread is 18 inches or greater in size.
 Yes No Not Applicable Shown on plans
- 2-9015 #20 The required ladders have a handhold which is corrosion-resistant and equipped with slip-resistant tread. It will be rigidly installed and provided a clearance of not less than 3 inches nor more than 5 inches between part of the ladder and the pool wall.
 Yes No Not Applicable Shown on plans
- #21 Stepholes shall have a minimum tread of 5 inches and a width of 14 inches.
 Yes No Not Applicable Shown on plans
- 2-9015 #22 The safety rail extends from the deck to a point above the top of the lowest step. The upper surface of the safety rails is located at least 28 inches above the deck.
 Yes No Not Applicable Shown on plans
- 2-9016 #23 Handholds will be installed. They will be located not more than 9 inches above water level.
 Yes No Not Applicable Shown or noted on plans
- 2-9016 #24 Handholds are bullnosed coping or cantilevered decking that is not over 2 ½ inches thick (overhang shall not exceed 2 inches nor be less than 1 inch)
 Yes No Not Applicable Shown or noted on plans
- 2-9016 #25 This is a special use pool for instruction or competitive swimming which requires a perimeter overflow lip.
 Yes No Not Applicable Shown or noted on plans
- 2-9017 #26 The diving boards comply with Section 2-9017.
 Yes No Not Applicable Shown or noted on plans

PART II OF II (continued)

- 2-9018 #27 A 4 ft. wide or larger deck surrounds pool and rear of diving board, if applicable.
 Yes No Not Applicable Shown or noted on plans
- 2-9018 #28 The deck is made of concrete or similar material and is slip-resistant and non abrasive.
 Yes No Not Applicable Shown or noted on plans
- 2-9018 #29 The deck width separating the pool from any adjacent spa is 6 ft. or greater.
 Yes No Not Applicable Shown or noted on plans
- 2-9018 #30 This is a temporary training pool. No deck required.
 Yes No Not Applicable Shown or noted on plans
- 2-9018 #31 The deck has a minimum slope of 1/4 in. per ft. to deck drains and doesn't drain into pool.
 Yes No Not Applicable Shown or noted on plans
- 2-9018 #32 Drains are not more than 25 ft. apart and do not drain over 400 sq. ft. per drain (4 in. drains). They drain to _____.
 Yes No Not Applicable Shown or noted on plans
- 2-9021 #33 Public showers, toilets and dressing rooms will be provided.
 Yes No Not Applicable Shown or noted on plans
- 2-9021 #34 Adjacent living facilities or accommodations are to be used. They are 300 ft. or less away. If so, Skip #33-36.
 Yes No Not Applicable Shown or noted on plans
- 2-9021 #35 Number of sanitary facilities on basis of 1 bather per 15 sq. ft. of pool surface. The total # of bathers are _____.
- a. One shower for each 50 bathers provided
 - b. Separate toilet facilities for men and women on following basis:
women 1T/60; men 1T + 1U/75 men
 - c. One lavatory for each 80 bathers
- 2-9021 #36 Floors in sanitary facilities hard, non-absorbant extending up wall 5 inches with coved base. They are slip-resistant and sloped 1/4 inch per foot to floor drain.
 Yes No Not Applicable Shown or noted on plans
- 2-9021 #37 Walls are of material not adversely affected by moisture. Privacy is maintained.
 Yes No Not Applicable Shown or noted on plans
- 2-9021 #38 Showers are supplied with hot and cold potable water. The hot water is limited to 110 degrees F. maximum.
 Yes No Not Applicable Shown or noted on plans
- 2-9022 #39 There is 1 drinking fountain for first 250 bathers and 1 for each 200 thereafter (exception: when drinking water is available in living quarters or clubhouse)
 Yes No Not Applicable Shown or noted on plans
- 2-9023 #40 Hose bib available so that all portions of deck can be reached with 75 ft. of hose.
 Yes No Not Applicable Shown or noted on plans
- 2-9024 #41 Fencing and gates at least 5 ft. in height enclose pool. No opening greater than 4 inches in any dimension exists. The bottom of the fence is within 2 inches of finish grade.
 Yes No Not Applicable Shown or noted on plans

PART II OF II (continued)

- 2-9024 #42 Gate is equipped with self closing and self latching device located 3 ½ ft. or higher above deck.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- 2-9025 #43 The following signs will be posted in a conspicuous place at the pool and required information added (circle letter preceding your answer):
- 2-9025 a. Occupant Load sign (4 inch letters)
- 65539 b. Warning-No Lifeguard on Duty sign (4 inch letters)
- 2-9025 c. "No Diving Allowed" sign (pool depth 6 ft. or less) (6 inch letters). "No Diving" must be stencilled on all 4 sides of deck near coping or "International No Diving Title" after every depth marker on deck.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- " d. Danger: Gaseous Oxidizer-Chlorine sign (4 inch letters)
- 65539 e. Emergency Phone Number sign
- " f. Artificial Respiration Procedures sign
- 2-9026 #44 Pool is located indoors and is ventilated according to Section 605 of the Uniform Building Code.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- 2-9027 #45 Pool equipment room is mounted on a Portland cement concrete or similar floor material and sloped 1/4 inch/ft. to floor drain.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- 2-9028 #46 The chlorine gas equipment room complies with Sec. 2-9028:
- a. Not located below ground level
- b. Entry door does not open onto pool or deck
- c. Fresh air intake within 6 inches of ceiling
- d. Mechanical exhaust produces 60 air changes/hour and vented to outside air. Discharge at least 10 ft. from windows or adjacent bldgs.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- 2-9031 #47 Recirculation system: (Answer a-h)
- a. Discharge flow velocity does not exceed 8 ft./second on inlet piping and 6 ft./second on suction piping.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- b. All filters, valves, pumps, strainers and equipment requiring adjustment are readily accessible for repair and replacement.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- c. Pressure gauge on influent and effluent lines.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- d. Flowmeter will be supplied.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- e. Vacuum gauge on suction type filters.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

PART II OF II (continued)

- f. Hair and lint strainer is provided on the suction side of the recirculation pump
 Yes No Not Applicable Shown or noted on plans
- g. Backwash piping and valves to be installed. The backwash will go to _____.
 Yes No Not Applicable Shown or noted on plans
- h. Valves area easily accessible and not located under decking. They are marked for identification.
 Yes No Not Applicable Shown or noted on plans

2-9034 #48 The pump capacity is designed at which of the following heads? (please circle the letter preceding your answer)

- a. Pressure D.E. - 60 ft. head
- b. Vacuum D.E. - 40 ft. head
- c. Rapid Sand - 45 ft. head
- d. High rate sand - 60 ft. head
- e. Cartridge filter - min 60 ft. head

2-9035 #49 There is a permanently installed refill line to pool, (Spas, temp. pools, and pools less than 1500 gal. are _____ exempt), with air gaps, vacuum breaker or double check valve.
 Yes No Not Applicable Shown or noted on plans

2-9035 #50 Pool refill inlets not less than 1 inch nor less than 2 pipe diameters above overflow rim.
 Yes No Not Applicable Shown or noted on plans

2-9037 #51 A rapid sand filter is being installed. If filtration rate does not exceed 3 gpm/sq. ft. Backwash is not less than 12 gpm/sq. ft. of filter area.
 Yes No Not Applicable Shown or noted on plans

2-9038 #52 A diatomaceous earth filter is being installed. The filtration rate does not exceed 2 gpm/sq. ft. or 2 1/2 gpm for continuous feeding of filter aid for pools 2000 sq. ft. or more.
 Yes No Not Applicable Shown or noted on plans

2-9039 #53 A high rate sand filter is being installed. Recommend 12-14 gpm/sq. ft. of filter area; backwash minimum is 15 gpm.
 Yes No Not Applicable Shown or noted on plans

2-9039 #54 A cartridge filter is being installed. The filtration rate does not exceed 0.375 gpm/sq. ft.
 Yes No Not Applicable Shown or noted on plans

2-9040 #55 The chemical feeders comply with Section 2-904.
 Yes No Not Applicable Shown or noted on plans

2-9041 #56 The disinfectant feeders comply with Section 2-9041.
 Yes No Not Applicable Shown or noted on plans

2-9041 #57 Chlorine gas to be used. Scales provided.
 Yes No Not Applicable Shown or noted on plans

2-9041 #58 Chlorine gas piping is not located outside equipment room.
 Yes No Not Applicable Shown or noted on plans

PART II OF II (continued)

2-9042 #59

Skimmers:

- a. One skimmer for each 500 sq. ft. or fraction thereof is provided and capable of withdrawing 75% of required recirculation capacity.
 Yes No Not Applicable Shown or noted on plans
- b. Skimmer is built-in type, recessed into pool wall, individually adjustable for rate of flow, automatically adjusts to variations in pool level within 4 inches, has a removable and cleanable screen or basket, and is provided with an air lock protective device to prevent air leakage into recirculation system.
 Yes No Not Applicable Shown or noted on plans
- c. Skimmer located in relation to pool inlets so as to aid recirculation and skimming.
 Yes No Not Applicable Shown or noted on plans
- d. Skimmer flow rate does not exceed 40 gpm.
 Yes No Not Applicable Shown or noted on plans
- e. Anti-hair entrapment equalizer line covers provided (Removable only with tools).
 Yes No Not Applicable Shown or noted on plans
- f. If only one skimmer is provided, then 2 split equalizer lines must be provided (equally "T'd").
 Yes No Not Applicable Shown or noted on plans

2-9042 #60

Perimeter overflow: (surface area over 5000 sq. ft) (Answer a-h if applicable)

- a. Capable of withdrawing 75% of required recirculation capacity.
 Yes No Not Applicable Shown or noted on plans
- b. Overflow channel not less than 3 inches deep and 3 inches wide. The opening beneath deck into channel minimum of 4 inches.
 Yes No Not Applicable Shown or noted on plans
- c. Channel lip is no greater than 12 inches below top of deck, with rounded lip edge with maximum thickness of 2 ½ inches for top 2 inches and minimum thickness of 1 inch for top 2 inches.
 Yes No Not Applicable Shown or noted on plans
- d. Channel outlet minimum 2 ½ inches in diameter.
 Yes No Not Applicable Shown or noted on plans
- e. Not more than 15 ft. apart and channel slope to outlets not less than 1/4 inch/ft.
 Yes No Not Applicable Shown or noted on plans
- f. Channel drain shall not be less than 1.5 times area of outlet piping
 Yes No Not Applicable Shown or noted on plans
- g. Surge tank storage minimum 1 gals/sq. ft. of surface area:
Size: _____
 Yes No Not Applicable Shown or noted on plans
- h. Automatic surge flow control to make-up water with manual over ride for maintaining pool water level provided.
 Yes No Not Applicable Shown or noted on plans

PART II OF II (continued)

2-9042 &
2-9013 #61

Bottom Drains (Answer a-c)

- a. Pool can be drained through two bottom drains. It goes to _____.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- b. They are covered by a protective cover whose opening does not exceed ½ inch in its smaller dimension.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- c. Grates removable only with tools.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- d. Must have 2 main drains with at least 3 feet separation to prevent a suction hazard to bathers (Equally “T’d”).
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

2-9042 #62

Inlets: (Answer a-f)

- a. Minimum of two inlets for first 10,000 gal. and one inlet for each additional 10,000 gal or fractional part. There are _____ inlets.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- b. Located not less than 18 inches below waterline (spa and wading pools exempt)
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- c. Inlets do not protrude greater than 1 1/4 inch into pool and are rounded or smooth.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- d. Inlets are separated by at least 10 ft. and are located so as to ensure uniform circulation.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- e. Pools greater than 40 ft. in width: has 1 floor inlet/10,000 gal or fractional part thereof.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- f. Provisions have been made for adjusting the volume and direction of flow from the wall inlets.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

2-9044 #63

A built-in or portable type vacuum cleaning system has been provided.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

PART II OF II (continued)

2-9045 #64 Waste Disposal: (Answer a-e)

- a. The backwash goes to _____ (septic systems not allowed)
- b. If D.E. filter, there is a receiving chamber which catches waste D.E.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- c. Sumps and drain piping have sufficient capacity to receive pool system backwash without overflowing the sump receiver.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- d. A sight glass on waste discharge line from filter provided.
Exception: air gap visible to operator during backwash operation.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- e. There is no direct connection of the pool or its recirculation system with the sanitary sewer, storm drain or drainage system.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

3-6806 #65 Electrical Requirements: (Answer a-d)

- a. Electrical receptacles are located at least 10 ft. from the inside walls of the pool.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- b. Electrical receptacles located within 15 ft. of the inside walls are protected by ground-fault circuit interrupter.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- c. A receptacle that provides power to a permanently installed pool recirculating pump motor is located between 5 and 10 ft. from the inside wall of a pool or spa but is a single, locking, grounding type.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- d. Underwater lighting and area lighting is provided. It meets all electrical provisions of Article #680 of the National Electrical Code.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

#66 Gas Chlorination

- a. All of Section 65547, Title 22
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- b. All of Section 2-9028, Title 24
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans
- c. All of Section 2-9041, (c), Title 24
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

#67 Have provisions for accessibility to the physically handicapped been made.
___ Yes ___ No ___ Not Applicable ___ Shown or noted on plans

Contractor/Designer Signature

License Number

Date

Plans checked by

Approved ___ Yes ___ No

Date