



Maricopa County Environmental Services Department  
 Water & Waste Management Division  
 Swimming Pool Program



Reference tool for commonly submitted pool and spa design features that are not addressed in Maricopa County or Arizona State Regulations

The Environmental Services Department reviews plans for new and modified bathing places to ensure compliance with applicable regulations, including the Maricopa County Environmental Health Code and State of Arizona rules. The Department has prepared this document to assist owners, contractors and designers to prepare plan submittals for pool and spa features that are not mentioned in regulations.

The features are listed under the following sections:

- Approvable in plan review if designed to meet applicable regulations.
- Approvable through direct appeal variance, a time-saving process.
- Request for approval must be submitted through formal variance application.

Listed below is an index of design features within each category. Refer to the reference number and page to find guidelines for features that can be approved in plan review or require a variance, and see typical stipulations that may apply to direct appeal and formal variances.

**A. Design guidelines for features that can be approved in plan review.**

1. Scuppers.....	3
2. Handicap lift built into the deck.....	3
3. Logos on pool bottom that are deemed non code violating .....	4
4. Planters along the pool perimeter either raised or deck level .....	4
5. Waterfalls along the pool perimeter. ....	4
6. Use of pavers or flagstone for swimming pool decks.....	4
7. Use of interior pool finishes and colors that are other than white plaster. ....	5
8. Use of training bars or exercise bars in a special-use pool.....	5
9. A raised bond beam along a pool perimeter. ....	5
10. Flat overflow gutters.....	5
11. Therapy jets in a recreational pool.....	6
12. A cold plunge. ....	6

13. A multi-level pool with waterfalls between pool levels. ....	6
14. A narrow channel joining two larger pool areas. ....	6
15. Columns or other structures along the pool perimeter. ....	6
16. Equalizer lines. ....	7

**B. Features that may be approved through the direct appeal variance process**

1. Negative Edge Pools.....	7
2. Water toys addressed in Sec. 10 to be installed in pools. ....	7
3. Shade structures over a pool or spa. ....	8
4. Average width less than 14 feet. ....	8
5. Fence deletion from spray pad. ....	8
6. A flat floor in a pool. ....	9
7. Bridge over a pool.....	9
8. Divider walls or wing walls in a pool. ....	9
9. Gate or barrier deviations resulting from meeting ADA requirements.....	9
10. Looped floor returns in a rim flow or gutter pool. ....	10
11. Use of training bars or exercise bars in a recreational pool. ....	10
12. Raised transfer wall for ADA compliance. ....	10

**C. Features that must be reviewed through the formal variance process.**

1. Any protrusions in a pool other than water toys. ....	11
2. Interior pool finishes and colors that are disapproved by the Department. ....	11
3. Any deck blocking features that are disapproved by the Department. ....	11
4. Fencing and barrier deviations from the code except for ADA requirements. ....	11
5. Extended bench or step width dimensions. ....	11
6. Lifeguard deletion from a public spray pad. ....	12
7. Accessible Islands in a pool.....	12
8. Logos on the pool bottom that are deemed to be code violating. ....	12
9. Un-looped or looped floor returns in a pool. ....	12
10. Slope breaks in a pool at depths less than 5 feet. ....	13

11. Pool depths at the foot of the steps that are less than 2 feet or more than 3 feet.....	13
12. Water slides that are non-conforming to Sec. 13 and their splash down pools. ....	13
13. Diving boards and depths in a pool that is non-conforming to Sec. 6 and appendices. ....	13
14. Water toys that are not addressed in Sec. 10. ....	13
15. Lazy rivers that have a width of less than 14 feet. ....	13
16. Pool or spa step heights that are non-conforming to Sec. 6 Reg. 3. ....	13
17. Bridge to an island in a pool. ....	13
18. Scuba pool design when non-conforming.....	14
19. Pool furniture. ....	14
20. Raised wall around pool perimeter. ....	14
21. A Climb wall in the deep part of a pool.....	14
22. Current channel for walking exercise in a pool.....	15
23. A window wall separating the indoor and outdoor sections of a pool.....	15

Reference tool for commonly submitted pool and spa design features that are not addressed in Maricopa County or Arizona State Regulations

**A. Design guidelines for features that can be approved in plan review.**

1. Scuppers
  - a. Scuppers shall overflow into the pool or spa but shall not overhang the pool edge more than the coping cantilever protrusion over the pool edge, 1 to 2 inches.
  - b. If the overhang is more than the coping cantilever protrusion the invert of the scupper shall be 8 feet above the pool floor or bench directly below the scupper overhang.
  - c. The structure supporting the scuppers shall be constructed and maintained in a manner that prevents the raised surface from being used as a diving platform.
  
2. Handicap lift built into the deck next to the pool or spa
  - a. The handicap lift shall be ADA compliant and shall be installed where there is at least 4 feet of continuous walkway behind the lift at the pool or spa.
  - b. Deck reinforcement and installation shall be according to manufacturer’s specifications.
  - c. Walkways shall be constructed of concrete or other inorganic material, with a slip-resistant, easily cleanable finish, free of sharp or jagged edges or surfaces.
  - d. The maximum voids between adjoining concrete slabs or between concrete slabs and expansion joint material shall be three-sixteenths (3/16) inch of horizontal clearance with a maximum difference in vertical elevation of one-fourth (1/4) inch.

- e. The deck must slope away from the pool to drain water to properly located deck drains or other approved points of disposal.
  - f. The overhang of the coping or deck, if there is one, shall not exceed two (2) inches or be less than one (1) inch.
  - g. Construction joints where pool or spa coping meets the deck shall be watertight and shall not allow water to pass through to the underlying ground.
3. Logos on the pool bottom that are deemed to be non code violating
- a. The logos shall not be of a size or color which would tend to obscure a bather lying on the bottom of the pool, dirt, debris or algae growth. Colors with a high gloss and a high color saturation index are preferred.
  - b. The logos shall be easily cleanable and non-slip by exhibiting a wet coefficient of friction of 0.5 or more.
  - c. If paint is used it shall meet the same specifications that are used for drinking water storage tanks.
4. Planters along the pool perimeter either raised or deck level
- a. The required walkway shall be maintained behind the planter.
  - b. The maximum width between the planter and the pool must be 8 inches or less or physically blocked so that it cannot be used as a walkway.
  - c. A raised planter shall be constructed and maintained in a manner that prevents the raised surface from being used as a diving platform.
  - d. The length of the planter shall not exceed 20 feet.
  - e. An open deck area of at least 10 feet shall be maintained between deck level planters and at least 20 feet between raised planters.
  - f. The combined length of all deck level features shall not exceed 50% of the pool perimeter and the combined length of all raised features shall not exceed 20% of the pool perimeter.
5. Waterfalls along the pool perimeter
- a. The required walkway shall be maintained behind the waterfall.
  - b. The maximum width between the waterfall and the pool must be 8 inches or less or physically blocked so that it cannot be used as a walkway.
  - c. A waterfall shall be constructed and maintained in a manner that prevents the raised surface from being used as a diving platform.
  - d. The length of the waterfall shall not exceed 20 feet.
  - e. An open deck area of at least 20 feet shall be met between raised features.
  - f. The combined length of all deck level features shall not exceed 50% of the pool perimeter and the combined length of all raised features shall not exceed 20% of the pool perimeter.
6. Use of pavers or flagstone for swimming pool decks
- a. The pavers must be slip-resistant with a wet coefficient of friction of 0.5 or more.

- b. Pavers adjacent to the pool must be set in mortar on a concrete foundation from the edge of the pool extending at least 4 feet to form the continuous walkway.
  - c. The pavers must be free of jagged edges, have maximum horizontal voids of 3/16" and have maximum vertical elevation difference of 1/4".
  - d. The joints must be of mortar or other permanent inorganic material to prevent washout. Joints where pavers or flagstone meet coping are required and must be water-tight.
  - e. Brick on sand or sand as grout are not approvable.
7. Use of interior pool finishes and colors that are other than white plaster
- a. The Department maintains a list of finishes and colors of manufactured products allowed or disallowed for pool interior finishes. The listing is by manufacturer and product name.
  - b. Any product that is requested and not on the list of approved products will be evaluated by Department staff in the Swimming Pool Program. Submit commercial blend samples of the product at least 6" X 6" in size for evaluation. If the sample appears to meet the intent of the code the product will be added to the approved list of finishes. If the color is too dark and/or if the inclusions are too dense the product will be disallowed for use in commercial pools.
  - c. If the department disallows a pool interior product for use the applicant may apply for a variance and submit a variance application with 12 copies and samples.
8. Use of training bars or exercise bars in other than a special-use pool
- a. Training rails are not allowed in lap swim areas of a pool.
  - b. The bars shall be constructed of durable material and resistant to corrosion.
  - c. The bars shall be sealed, welded shut or capped at both ends to prevent retention of water within the bars.
  - d. The bars shall not extend more than 4 inches from the side of the pool into the water.
  - e. The clear opening inside the bar between the pool wall shall be at least 2 inches but not more than 2 1/4 inches.
9. A raised bond beam along a pool perimeter
- a. The 3 foot guard rail or similar device shall be installed to prevent the raised area from being used as a diving platform.
  - b. The raised deck area shall otherwise comply with all other County code deck requirements.
  - c. All vertical surfaces shall be rigid, smooth and easily cleanable and constructed of inorganic materials.
  - d. The additional vertical surface area shall be included as pool surface area for any subsequent changes or remodels of pool circulation, equipment and piping.
10. Flat overflow gutters
- a. Use of a material that readily drains such as steel gutters.
  - b. Provide a gutter outlet or dropout box every 100 feet or provide calculations that show gutter backup will not occur with dropouts at greater than 100 foot intervals.

11. Therapy jets in a recreational pool
  - a. The pool hydrotherapy jet area shall have a minimum depth of 36 inches and a maximum depth of 42 inches.
  - b. All steps and benches in the therapy jet area shall be outlined on the top surface edges by a continuous line of sharply contrasting tile clearly visible from the edge of the pool.
  - c. The pool hydrotherapy jet area shall have a maximum turnover time of 30 minutes.
  - d. The hydrotherapy jets must have a separate circulation system.
  - e. There shall be a minimum of 2 depth markers in the hydrotherapy jet area.
  
12. A cold plunge
  - a. All steps and benches in the cold plunge shall be outlined on the top surface edges by a continuous line of sharply contrasting tile clearly visible from the edge of the pool.
  - b. The cold plunge shall have a maximum turnover time of 30 minutes.
  - c. The hydrotherapy jets shall have a separate circulation system.
  - d. There shall be a minimum of 2 depth markers in the cold plunge.
  
13. A multi-level pool with waterfalls between pool levels
  - a. The dam wall section of the upper pool that could be used as a diving platform shall be sloped at 30% minimum, be tiled, and show the water depth at the wall.
  - b. The pool walkway shall be continuous around both pools and all steps must meet code requirements.
  - c. The waterfall overhang to the lower or receiving pool shall be limited to 1 to 2 inches.
  - d. If the overhang is more than the coping cantilever protrusion the invert of the waterfall overhang shall be 8 feet above the pool floor or bench directly below the waterfall overhang.
  - e. There shall be a separate circulation for the waterfall feature.
  - f. There shall be a set of safety equipment on each deck level.
  
14. A narrow channel joining two larger pool areas
  - a. The minimum width shall be 10 feet.
  - b. A sign shall be posted with "No Diving and No Jumping" on both sides of the channel.
  - c. The maximum length of the channel shall be 50 feet.
  
15. Columns or other structures along the pool perimeter
  - a. An open deck area of at least 20 feet between columns will be provided.
  - b. A continuous walkway of at least 4 feet shall be provided around the pool and behind each column next to the pool.
  - c. The space between the column pedestals and the pool edge shall not exceed 8 inches.
  - d. The total length of all columns will not exceed 20% of the perimeter of the pool.
  - e. Pool safety equipment will be conveniently located on both sides of the pool.

- f. Any feature projections extending over the pool shall be at least eight feet over the pool floor or underneath pool benches.

16. Equalizer lines

- a. Skimmer equalizer lines are not required.
- b. A skimmer equalizer line is allowed only if the suction outlet is split to dual outlets 3 feet apart with drain covers that meet the VGB Act and the safety regulations set forth by the U.S. Consumer Product Safety Commission.
- c. Equalizer lines between two bodies of water each with their own circulation system are prohibited.

**B. Features that are potential Direct Appeal Variance approvals.**

*The stipulations shown are typical. Actual stipulations will be site and pool specific, and additional or different stipulations may apply.*

1. Negative Edge Pools

- a. There shall be a continuous 4 feet (semi-public) or 10 feet (public) walkway around the entire pool including the depressed walkway around the negative edge side of the pool.
- b. There shall be a grate over the negative edge basin that is strong enough to enable and support people walking and standing on it.
- c. There must be a make-up water float control and feed line in the negative edge basin.
- d. The negative edge flow feature shall have its own circulation system with a dual main drain in the basin and return inlets in the pool. The drain covers in the basin shall meet VGB Act requirements and ASME/ANSI A12.19.8-2008.
- e. Safety equipment shall be stored next to the pool on both sides of the pool on each deck level.

2. Water toys that are addressed in Maricopa County Environmental Health Code, Chapter VI, Section 10, Special Use Pools, when planned to be installed in general recreation pools

- a. In-ground water spray features without floor button control, including sprays, water jellies, geysers, misters, inverters and the like shall conform to the following:
  - 1. The height of the water column shall not exceed 6 feet.
  - 2. The holes in the floor fitting shall not exceed 5/16".
  - 3. The velocity at the nozzles shall not exceed 20 feet per second.
- b. In-ground water spray features with floor button control, including sprays, water jellies, geysers, misters, inverters and the like shall conform to the following:
  - 1. Items 6.a.1 through 3 above.
  - 2. All exposed hardware and any other sharp projections, if they exist, shall be covered to prevent injuries to bathers.
  - 3. The holes in the floor fittings shall not exceed 5/16".

- c. Low profile water toys that protrude above the surface of the splash pad that produce flow streams, including aqua domes, spray loops, water cannon, sea shells and the like shall conform to the following:
  - 1. The diameter of the piping shall be at least 4 inches to prevent a climbing hazard.
  - 2. All exposed hardware and any other sharp projections, if they exist, shall be covered to prevent injuries to bathers.
  - 3. The water velocity at any nozzle shall be restricted to 20 feet per second.
  - 4. If there are nozzles they must not stick out in a way that could cause injuries to bathers.
  
- d. Water toys that protrude above the surface of the splash pad that produce flow streams from above, including dumping buckets, dumping bells, thunder domes, pelicans, aqualiens, rain forest, raining flowers and the like shall conform to the following:
  - 1. The velocity at the nozzles shall be restricted to 20 feet per second.
  - 2. The nozzles shall not stick out in a way that could cause injuries to bathers.
  - 3. All exposed hardware and any other sharp projections if they exist shall be covered to prevent injuries to bathers.
  - 4. The height of the water column shall not exceed 6 feet.
  - 5. The holes in the floor fitting shall not exceed 5/16".
  - 6. There shall be eight feet of clearance between the pad bottom and the water feature to prevent injuries to bathers.
  - 7. Drill a 1/8-inch hole in the dumping chamber.
  
- 3. Shade structures over a pool or spa
  - a. The shade structure shall have a maintenance schedule and be cleaned at least weekly.
  - b. The shade structure shall slope to the deck drains and away from draining into the pool.
  - c. The overhead clearance of the shade structure shall be a minimum of 8ft over the deck.
  - d. The shade fabric shall allow water to pass through and not pond on the shade.
  - e. If the shade structure drainage affects the water quality, it shall be removed.
  - f. The supporting posts or columns shall be located at least 4 feet from the pool edge.
  - g. If there is a bird problem some method shall be used to discourage birds from landing on the shade structure.
  
- 4. Average width less than 14 feet (For existing pools only)
  - a. Post "No Running" and "No Diving" wall signs on both sides of the pool.
  
- 5. Fence deletion from a spray pad
  - a. The applicant shall provide an acceptable operations and management plan for responding to an emergency.
  - b. The owner shall install and maintain an emergency call box within 10 feet of the splash pad. Maintenance or other personnel assigned to answer calls from the call box shall respond within five minutes if a bather or observer needs assistance or to respond to an emergency on the splash pad.



- c. The splash pad shall not be operational when call box response personnel are not available.
  - d. Install and maintain a sign stating that no food or drink is allowed on or within ten feet of the splash pad.
  - e. Install and maintain a sign that states dogs and other pets are not allowed on the splash pad.
  - f. The splash pad shall be cleaned of contaminants and debris each day prior to opening the splash pad.
  - g. If there is a fecal accident the pad will be immediately closed and not reopened until it is cleaned and adequately disinfected as per U.S. Centers for Disease Control recommendations.
  - h. An emergency shut-off switch shall be installed adjacent to the call box.
6. A flat floor in a pool
- a. The flat area shall be cleaned daily prior to opening.
  - b. A tile line across the pool floor shall be placed where the pool floor begins to slope downward from the flat area depth toward the deep area bottom.
  - c. Waterline depth markers shall be placed at the slope break on both sides of the pool.
  - d. All other pool code requirements for the floor slopes shall be met.
7. Bridge over a pool
- a. The minimum overhead clearance from the pool floor in the channel to the bridge bottom shall be 8 feet.
  - b. A 4-foot wide walkway shall be maintained around the ends of the bridge structure.
  - c. Access along the deck under the bridge shall be restricted such that this area cannot be used as a walkway.
  - d. The bridge walkway shall be equipped with a non-climbable barrier at least 42 inches above the walking surface. Bridge design shall prevent access to the bridge deck from the water, and prevent access to the edges of the deck outside the barrier.
  - e. Bridge and step walkways shall be non-slip, easily cleanable, have no sharp or jagged edges and otherwise meet code requirements for walkways in Ch. VI, Section 7, Regulation 3.
8. Divider walls or wing walls in a pool.
- a. The design of the dam wall must ensure that the pool will empty completely when it is drained.
  - b. The end of wall shall be curved without any sharp edges.
  - c. The top surface shall be no wider than 8 inches and beveled on both sides at a minimum slope of 30 percent to prevent access.
  - d. A 6 inch x 6 inch waterline tile line must be installed on both sides and the end of the dam wall.
  - e. All circulation requirements are met including wall and/or floor returns.
9. Gate or barrier deviations resulting from meeting ADA requirements

- a. Installing, Maintaining or Lowering Gate Locking Mechanisms below 54" Above the Floor
  1. For new installations, a gate locking mechanism using a key cylinder, keypad or swipe unit card may be installed to meet ADA maximum height requirements of 48 inches above the ground for operable parts. Any electronic proximity opener device (fob, magnetic card, etc.) must not activate the late latch opener unless held at a minimum height of 48 inches above the ground surface directly below the gate. If a thumb latch is installed at 54 inches, the other opening mechanism can be located at any height.
  2. Gates with a manual non-key operated latch must maintain the latch operated mechanism at 54 inches above the floor.
  3. All other code requirements for gates apply.
  4. Owners may maintain or modify any and all gates to the enclosure to meet ADA requirements if the additional ADA requirements are met.
  
10. Looped floor returns in a rim floor or gutter pool
  - a. The looped floor return inlets shall be justified by the applicant as to their ability to produce a uniform distribution throughout the pool. The owner may need to perform a crystal violet distribution test procedure for existing floor return systems.
  - b. The number of floor return inlet heads shall be one for every 15 feet of pool periphery and spaced every 15 feet apart on the floor.
  - c. Bottom return inlets shall be flush with the pool bottom or of a design as to prevent injury to bathers.
  
11. Use of training bars or exercise bars in a recreational pool
  - a. Training rails are only allowed in the shallow areas of a pool and not allowed in the lap swim or diving areas of a pool.
  - b. Bars shall be constructed of durable material and be reasonably resistant to corrosion under conditions of operations.
  - c. Bars shall be sealed, welded shut or capped at both ends to prevent retention of water within the bars.
  - d. Bars may be removable. The bars then shall be wedges anchored in place with a cover plate provided. Watertight anchor plugs (95 percent efficiency) shall be provided when the bars have been removed.
  - e. Bars shall extend not more than four (4) inches from the side of the pool into the water.
  - f. The clear opening from the inside of the bar to the side of the pool shall not be less than two (2) inches or more than two and one-fourth (2 1/4) inches.
  
12. Raised transfer wall for ADA compliance
  - a. There shall be at least a 4 foot wide continuous walkway behind the transfer wall.
  - b. The transfer wall shall meet all ADA design guidelines and requirements.

**C. Features that need to be reviewed through a formal variance process.**

*The stipulations shown are typical. Actual stipulations will be site and pool specific, and additional or different stipulations may apply.*

1. Any protrusions in a pool other than water toys
  - a. The design of the feature shall insure that the pool will completely drain when it is drained.
  - b. The corners of feature shall be curved or rounded and without any sharp edges to prevent injuries to bathers.
  - c. The feature's top surfaces shall be capped or beveled on all sides at a minimum slope of 30 percent to prevent access onto the feature. There shall be no grab rails.
  - d. A 6 inch x 6 inch contrasting waterline tile band shall be installed on all sides of the feature walls.
  - e. The feature shall not impede pool circulation and all circulation requirements shall be met, including wall and/or floor returns.
  - f. A contrasting tile band shall be installed below the water surface.
  
2. Interior pool finishes and colors that are disapproved by the Department
  - a. These will be allowed on a case by case basis depending on the situation in a limited number of pools.
  - b. MCESD will do construction inspections as the product is applied, a final inspection prior to operation and operational inspections to determine how the product installs, appears under water, and holds up over time.
  - c. If MCESD determines that the product is not suitable for commercial use, or that the product fails in some respect, the contractor shall remove the product and replace it with an approved product.
  
3. Any deck blocking features that are disapproved by the Department
  - a. The deck blocking feature or structure shall not overhang the pool by more than 2 inches.
  - b. Rainwater on the structure must be diverted away from the pool and pool deck.
  - c. Any columns or posts shall be moved out to 4 feet from the pool or moved in to 8 inches from the edge of the pool.
  - d. Any overhead feature shall be at least 8 feet above the walkway.
  - e. The 4 foot walkway shall be maintained behind the deck blocking feature.
  - f. The maximum length shall be 20 feet.
  
4. Fencing and barrier deviations from the code except for ADA requirements
  - a. These will be developed on a case by case basis depending on the situation.
  
5. Extended bench or step width dimensions
  - a. Provide lifeguards at the pool as prescribed in Sec. 6 Reg. 7 and 8 when the pool is open.
  - b. Provide additional handrails down to the bottom step.
  - c. Provide a turnover rate in the shallow bench section of 1 hour.

6. Lifeguard deletion from a public spray pad
  - a. The owner shall install, and maintain an emergency call box within 5 feet of the splash pad. Maintenance or other personnel assigned to answer calls from the call box shall respond within five minutes if a bather or observer needs assistance.
  - b. The splash pad shall be closed when call box response personnel are not available.
  - c. Install and maintain a sign stating that no food or drink is allowed within ten feet of the splash pad.
  - d. Install and maintain a sign that states dogs and other pets are not allowed on the splash pad.
  - e. The splash pad shall be washed down each day prior to opening the splash pad.
  - f. If there is a fecal accident the pad will be immediately closed and not reopened until it is cleaned and adequately disinfected.
  - g. An emergency shut-off switch shall be installed adjacent to the call box.
  
7. Accessible Islands in a pool
  - a. The walls of the island shall not have any sharp edges.
  - b. The island shall not interfere with the water circulation in the pool.
  - c. The channel the island creates shall not be less than 14 feet wide.
  - d. Post signs on the island and along the channel on the deck stating "No Diving or Jumping"
  - e. If bathers are allowed to occupy the island, there shall be a set of steps or grab rails on the island.
  - f. If there is a bridge to the island all pools rules shall be posted in an area prior to entering the island or point of access to the island that reminds bathers of no food, drinks, glass, etc.
  
8. Logos on the pool bottom that are deemed to be code violating
  - a. The logos shall not be of a size or color which would tend to obscure dirt, debris, algae or a bather lying on the bottom of the pool. Staff recommends colors with a high gloss and a high color saturation index.
  - b. The logos shall be easily cleanable and non-slip with a wet coefficient of friction of 0.5 or greater.
  - c. The paint used shall meet the same specifications that are used for drinking water storage tanks.
  
9. Un-looped or looped floor returns in a pool
  - a. The return manifold for the return lines shall be manually balanced.
  - b. The return line inlet heads shall be adjusted to obtain a uniform distribution.
  - c. The owner shall supply staff with 6 months' worth of documentation.
  - d. Contractor shall perform a dye test for best return, under the direction of Staff and document it.

10. Slope breaks in a pool at depths less than 5 feet
  - a. Provide a tile line 6 inches wide across the width of the pool at the slope break.
  - b. Provide a float line across the width of the pool at the slope break.
  - c. The floor slope from 3' to 5' shall not exceed 1 in 10.
  
11. Pool depths at the foot of the steps that are less than 2 feet or more than 3 feet
  - a. The applicant shall provide a barrier approved by the Department at the entrance to the non-compliant entry steps to keep bathers from entering or exiting the pool there.
  - b. The owner shall post a sign at or on the barrier stating "No entry or Exit".
  - c. At the time of pool resurfacing the steps and depth shall be brought into compliance or the steps shall be removed.
  
12. Water slides that are non-conforming to Sec. 13 and their splash down pools
  - a. The water slide or splash down pool shall meet the requirements in Sec. 13 Reg. 2 for conforming slides or splash down pools.
  - b. All manufacturer's guidelines and recommendations shall be met.
  
13. Diving boards and depths in a pool that is non-conforming to Sec. 6 and appendices
  - a. Under no circumstances shall any diving board or diving pool be approved without meeting all Sec. 6 Reg. 6 diving board requirements.
  
14. Water toys that are not addressed in Sec. 10
  - a. The water toy shall meet the requirements in Sec. 10 Reg. 6 for all water features.
  - b. All manufacturer's guidelines and recommendations shall be met.
  
15. Lazy rivers that have a width of less than 14 feet
  - a. Every part of the pool shall be accessible from the perimeter deck of the river.
  - b. The minimum deck width shall be 4 feet.
  - c. Lifeguards shall be stationed such that every part of the pool surface area can be seen by at least one lifeguard.
  - d. The life guard stations shall be located such that the entire reach of the pool assigned to a station can be accessed by walking on the deck from that station.
  - e. There must be at least one emergency exit from the pool for every 75 feet of perimeter.
  - f. The emergency exits must be on the same side of the river as the life guard station.
  
16. Pool or spa step heights that are non-conforming to Sec. 6 Reg. 3
  - a. The heights of the pool's entry steps will be modified to meet the requirements of the Pool Code the next time that the pool is either resurfaced or remodeled.
  
17. Bridge to an island in a pool
  - a. The minimum overhead clearance from the pool floor in the channel to the bridge bottom shall be 8 feet.

- b. A 4-foot wide walkway shall be maintained around the ends of the bridge structure. Access along the deck under the bridge shall be restricted such that this area cannot be used as a walkway.
- c. The bridge walkway shall be equipped with a non-climbable barrier at least 42 inches above the walking surface. Bridge design shall prevent access to the bridge deck from the water, and prevent access to the edges of the deck outside the barrier.
- d. Bridge and step walkways shall be non-slip, easily cleanable, have no sharp or jagged edges and otherwise meet code requirements for walkways in Ch. VI, Section 7, Regulation 3.

18. Scuba pool design when non-conforming

- a. Post signage informing students of the change in depth.
- b. The use of the pool will be restricted to competent swimmers engaged in scuba diving training activities.
- c. An adult instructor, certified in water safety and first aid by the American Red Cross or equivalent, will be in attendance at all times when the pool is in use.
- d. The break point in depth change of the pool shall have a line of sharply contrasting colored tile.
- e. The pool shall be designated as a special use pool for scuba diving training only.
- f. Operators shall maintain four feet of clear deck around the perimeter of the pool at all times.
- g. No storage is to be allowed on the pool deck.

19. Pool furniture

- a. The pool shall be a special use pool used solely for the purpose of lounging. The pool will be posted as such with no swimming allowed.
- b. Each such pool shall have a separate circulation system meeting wading pool requirements.
- c. The pool furniture materials shall be impermeable and be specially designed for use within pools.
- d. The pool furniture shall be checked daily for punctures or other damage that would allow bacterial growth. Damaged or visibly worn furniture shall be removed and replaced immediately when observed.
- e. Furniture shall not create an opening greater than 4 inches to prevent entrapment risk.
- f. The furniture shall be removed from the pool every evening.

20. Raised wall around pool perimeter

- a. There shall be at least a 4 foot wide continuous walkway behind the transfer wall.
- b. The transfer wall shall meet all ADA design guidelines and requirements.

21. A climb wall in the deep part of a pool

- a. The minimum depth of water for a climb wall shall be 9 feet.
- b. The climb wall shall be placed at the deep end where the distance from the edge of the climb wall to the nearest pool wall at each side shall be at least 12 feet.

- c. A properly trained and qualified lifeguard shall be stationed at the climb wall when the climb wall is in use.
- d. An entrance and exit pattern shall be established to avoid congestion of swimmers.
- e. An area at least 20 feet in length at the deep end of the pool and 5 feet on either side of the climb wall shall be buoyed off with a rope to separate a drop zone any time the climb wall is in use.
- f. An area 4 feet wide shall be cordoned off behind the wall on the deck when the wall is in use. For a public pool, a 10-foot continuous walkway behind the cordoned area shall be maintained.
- g. Only verified swimmers as determined by the certified lifeguards shall be allowed to use the climb wall.
- h. A sign shall be posted with the Climb Wall Rules including:
  - 1. No Diving
  - 2. Climbers Must Land Feet First
  - 3. One Climber at a Time
  - 4. No Underwater Play Allowed
  - 5. No Swimmers or Divers Allowed in the Drop Zone When a Climber is on the Wall

22. Current channel for walking exercise in a pool

- a. As a walking channel around an island, the island shall not have any sharp edges.
- b. The island shall not impede water circulation in the pool.
- c. The pool shall be a special use pool and shall be posted as a special use pool for low impact exercise and walking only.
- d. Water depth markers and "No Dive" tiles shall be placed every 20 feet around the perimeter of the pool.
- e. The propulsion jets shall not protrude into the channel. Any exposed hardware shall be covered to prevent injuries to bathers.
- f. There must be, at least, one emergency exit from the channel for every 75 feet of channel perimeter.
- g. Post a sign prohibiting bathers from climbing onto the island.

23. A window wall separating the indoor and outdoor sections of a pool

- a. The rubber baffle shall be open at the end.
- b. The window wall shall be safety glass.
- c. Rescue equipment shall be provided on both sides of the pool, indoor and outdoor.
- d. The interior door swings shall be adjusted so that they swing in both directions.
- e. The emergency stop switch shall be provided on both the indoor and outdoor sides of the pool.
- f. Signage shall be inside and outside.
- g. Install contrasting tile along the floor under the window.