



## **Swimming Pool, Spa, & Splash Pad NEW CONSTRUCTION CHECKLIST**

**Applications and plans that are incomplete will not be processed.**

Refer to [Utah Code R392-302](#) before completing your plan. The checklist below outlines key requirements but may not cover everything needed. The **plan review fee** can be found at [swuhealth.gov/fees](http://swuhealth.gov/fees).

### **PLANS MUST INCLUDE:**

- One copy of the completed application.
- Two copies (1 printed, 1 digital) of the detailed plans.
- A wet stamp from a design architect or engineer is required.
- Calculation sheet showing:
  - Total dynamic head.
  - Return loop head loss.
  - Maximum system flow rate.
  - Main drain calculations.
  - Estimated flow through skimmers and main drains.
- The water supply serving a public pool and all plumbing fixtures (must meet DEQ drinking water standards).
  - All parts of water supply, re-circulation, and distribution systems must be protected against backflow.
  - Water introduced into the pool, either directly or through the circulation system, must be supplied through an air gap.
- Must discharge wastewater (i.e. backwash) to a public sanitary sewer system.
  - Where no public sanitary sewer system is available, the health department may approve connections made to a disposal system designed, constructed, and operated in accordance with the minimum requirements of [R317-4](#).
  - Pool must connect to a sewer or wastewater disposal system through an air gap.
  - Pools may drain non-waste waters to green space provided that the water will not leave the pool owner's property and surface waters will not be affected.
- Pool, spas, and related equipment must be constructed of materials that are inert, non-toxic, impervious, and resist the effects of wear and deterioration from chemical, physical, radiological, and mechanical actions.
- Drain covers must be compliant with the [Virginia Graeme Baker Act of 2008](#).
- Pools shall be constructed with a pool shell that meets the requirements of [R392-302-6](#).
  - Vinyl liners that are not bonded to a pool shell are prohibited. Vinyl liners that are used must be at least 60 mm thick.
  - Sand, clay, or earth walls or bottoms are prohibited.
    - The pool shell shall by itself withstand, without any damage to the structure, the stresses of complete emptying of the pool without shoring or additional support.
- The interior surface of each pool must be smooth, easily cleanable, non-abrasive, and slip-resistant.
  - The pool shell surface must be of a white or light pastel color.
- Pool must have circulation system with necessary treatment and filtration equipment per [R392-302-16](#).

- Pools must be continuously disinfected and may not be batch-chlorinated.
  - Spa pools and interactive water features are required to have oxidation-reduction potential electronic controllers for feeding chemicals.
  - Automatic chemical feeders must be interlocked by at least 2 different methods (ex. flow and power.)
- The horizontal slope of the floor of any portion of a pool having a water depth of less than 5 feet may not be steeper than 10%.
  - Slope of the floor of any portion of a pool having a water depth greater than 5 feet must be uniform, must allow complete drainage, and may not exceed a ratio of 1 to 3 except for a pool used exclusively for scuba diving training. The horizontal slope of the pool bottom in diving areas must be consistent with the requirements for minimum water depths as specified in section [R392-302-11](#) for diving areas.
- Pool walls must meet the requirements of [R392-302-10](#).
- Underwater ledges are prohibited.
- Underwater seats and benches are allowed in pools so long as they:
  - Are located completely inside of the perimeter shape of the pool.
  - A maximum of 20 inches below the water line.
  - A minimum of 10 inches, a maximum of 20 inches front to back, and a minimum of 24 inches wide.
  - The pool wall under the seat or bench shall be flush with the leading edge of the seat or bench.
  - Line must mark the extent of the seat/bench within 2 in. of its leading edge in a contrasting dark color.
- Diving Areas must meet the requirements of [R392-302-11](#).
- Areas of a pool where diving is not permitted must have "NO DIVING" or the international no diving icon, or both provided in block letters at least four inches in height in a contrasting color on the deck, located on the horizontal surface of the deck or coping as close to the water's edge as practical.
  - The spacing between each warning may be no greater than 25 feet.
  - Where the icon alone is used on the deck as required, the operator shall also post at least one "NO DIVING" sign in plain view within the enclosure. Letters shall be at least four inches in height with a stroke width of at least one-half inch.
- Steps, ladders, or recessed steps must be provided for additional details. (Reference [R392-302-12](#))
  - Handrails must be rigidly installed and removable only with tools.
- A continuous, unobstructed deck at least 5 feet, wide must extend completely around the pool.
  - Deck obstructions are allowed to accommodate diving boards, platforms, slides, steps, or ladders so long as at least 5 feet of deck area is provided behind the deck end of any diving board, platform, slide, step, or ladder.
  - Other types of deck obstructions may also be allowed on a case-by-case basis.
  - Decks and walkways constructed to drain away any standing water and must have non-slip surfaces.
  - Wooden decks, walks, or steps are prohibited.
- Deck drains may not return water to the pool or the circulation system.
- A fence or other barrier is required and must be at least 6 feet in height, measured from the outside.
  - Must be equipped with a self-closing and self-latching gate or door.
  - All gates for the pool enclosure shall open outward from the pool.
- The depth of the water must be plainly marked at locations of maximum and minimum pool depth and the points of separation between the swimming and non-swimming areas of a pool.
- Pools must be marked at 1-ft depth increments, spaced at distances that do not exceed 25 feet.
  - Markings must be located above the water line or within 2 inches from the coping on the vertical wall of the pool and on the edge of the deck or walk next to the pool with numerals at least 4 inches.
- All pools must be equipped with adequate safety equipment and post appropriate signage.
- Adequate restrooms must be provided for each gender. At least one enclosed shower must be provided for each gender. A minimum of two restrooms is required unless the total bather load is less than 25 persons.