

CONSOLIDATED HUMAN SERVICES

Health Department  
Environmental Health



October 10, 2024

Capital Asset Topsail Development, LLC  
13500 NC Hwy 50 suite 105  
Surf City, NC 28445

Re: La Costa Bay Swimming Pool  
107 La Costa Place  
North Topsail Beach, NC 28460

Dear Mr. Sir or Madame,

We have completed a plan review for the proposed La Costa Bay Pool to be located at 107 La Costa Place North Topsail Beach, NC 28460. The plan review was conducted in accordance with the current North Carolina Rules Governing Public Swimming Pools (15A NCAC 18A .2500). This approval for your Engineered plans dated October 2, 2024 is valid for one year from the date of this letter and applies only to the pool and related appurtenances. If construction is not initiated within one year from the date of this approval, the approval shall expire, and plans shall be resubmitted.

**The approval is contingent upon your compliance with the following conditions:**

- 1) When a swimming pool does not have at least one lifeguard on duty, a sign shall be posted which has clearly legible letters of at least four inches in height stating "WARNING-NO LIFEGUARD ON DUTY". In addition, there shall be signs stating: " CHILDREN SHOULD NOT USE THE SWIMMING POOL WITHOUT ADULT SUPERVISION", and: " ADULTS SHOULD NOT SWIM ALONE". [2530 (c)] A sign prohibiting pets and glass containers in the pool area shall be provided. [2530 (d)] A sign notifying bathers to shower before entering pool shall be provided at pool gate entrances. All signage shall be visible upon entering the pool from each gate.
- 2) A minimum 1/4-inch diameter throwing rope as long as one and one-half times the maximum width of the pool or 50 feet, whichever is less, attached to a U.S. Coast Guard approved ring buoy. [2530 (a) (2)].
- 3) Natural cross draft or continuous forced ventilation is required in the chemical storage room [2534 (3)] and the equipment room [2533 (e)]. The mechanical vents shall be wired "on" for continuous ventilation and vented away from the pool deck. Lighting shall be provided in both rooms.
- 4) Provisions shall be made for dry storage of all pool chemicals in waterproof containers or above the floor on shelves, pallets or dollies. [2534 (4)] The minimum area for the chemical room shall be at least 9.6 sq. ft. The proposed 10 sq. ft. is approved.

- 5) A spare strainer to prevent hair, lint, and other debris from reaching the pump shall be provided. [.2518 (e)]
- 6) All gates and fencing shall comply with [.2528] All gates shall open out and away from the pool. There shall be no external footholds or handholds that may be used to scale fence or gates. Spacing between vertical members shall not exceed 4 inches. Spacing under the fence and gate shall not exceed 2 inches. The latch mechanism shall be installed 54 inches above grade. [.2528 (a)(7)]
- 7) Drainage in and around the equipment room shall preclude the possibility of water entering or accumulating on any interior surface of the enclosure. Equipment room floors shall be sloped not less than ¼-inch per foot toward the drains. [.2533 (d)] The backwash line shall not create an erosion issue under the equipment room and shall not flow back toward the pool deck.
- 8) Documentation shall be supplied to the Onslow County Health Department when the main drain covers are installed. This documentation shall state the date the covers were installed and the expiration dates of each cover. A pool data sheet shall also be submitted as part of the required documentation.
- 9) The pool shall be vacuumed through the skimmers. [.2518 (f)]
- 10) Depth markings on the pool deck and pool wall shall be in Arabic numerals at least 4-inches in height. [.2523 (c)]
- 11) The chlorine erosion feeder shall have flow meter part #R172080 installed for the unit to be NSF compliant. [.2535 (6)]
- 12) The backwash line in the equipment room shall be installed where it does not impede walkway space.
- 13) Signage shall be posted in the pool enclosure indicating the location of the emergency phone.
- 14) **THERE SHALL BE NO NIGHT SWIMMING AT ANY TIME, AS THIS POOL WAS DESIGNED WITHOUT UNDERWATER LIGHTING.**
- 15) **THE LOCATION OF THE EMERGENCY PHONE IS NOT ON YOUR PLANS. AN EMERGENCY PHONE SHALL BE PERMENENTLY MOUNTED INSIDE OF THE POOL ENCLOSURE OR WITHIN 75 FEET OF ENCLOSURE AND ACCESSIBLE TO ALL BATHERS AT ALL TIMES.** The telephone shall be visible from within the pool enclosure, or a sign shall be posted indicating the location of the emergency telephone. A sign with legible letters shall be posted at the telephone providing dialing instructions, address of the pool location and the telephone number. Where the telephone does not directly access 911, the emergency notification system shall:
  - (1) Provide 24 hour monitoring of all incoming calls by a telecommunicator who answers only emergency calls; (2) Be capable of routing calls to the local 911 telecommunicator via the 911 dedicated emergency trunk line; and (3) Electronically transfer Automatic Number Identification and Automatic Locator Identification for the emergency telephone at the pool to the Enhanced 911 system for all calls routed to 911.
- 16) **THIS POOL IS LOCATED BY THE BEACH. BATHERS HAVE TO WALK THROUGH SAND OR SANDY WALKWAYS TO GET TO THE POOL. PROVIDE AT LEAST ONE SHOWER IN THE POOL ENCLOSURE.**

The American Disabilities Act was amended to include accessibility requirements for swimming pools. The ADA requirements are enforced through the Building Inspections Department. Please contact the appropriate department for guidance in complying with this Act.

Under the current provisions of the North Carolina Rules Governing Public Swimming Pools (15 A NCAC 18 A .2500), the pool must be constructed by a swimming pool contractor licensed by the North Carolina Board for General Contractors and the license must include the Swimming Pool classification. Please provide this office with a copy of the license prior to starting construction [.2509 (a)]

After the construction of the pool and appurtenances, the owner shall submit to this Department a statement signed by a registered architect/registered professional engineer stating that construction is complete and in accordance with the approved plans.

Any changes or modifications to the plans must be approved by this Department prior to construction.

Periodic observations of construction and a final inspection for design compliance by the certifying registered architect/registered professional engineer or his/her representative shall be required for this statement.

**Please notify me prior to placement of concrete, grout, or backfill so an inspection can be made of the pool main drain and long piping by calling (910) 989-3059 or (910) 938-5851.**

Upon completion of construction, the owner must apply to this Department for an Operation's Permit. A final inspection must be made, and an Operation's Permit must be issued before bathers can use the pool or pool deck.

If you have any questions regarding this matter or if I can provide any assistance, please call me at (910) 989-3059.

Respectfully,



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