

## SOFT SIDE INFLATABLE POOLS

Soft side inflatable swimming pools offer an affordable, quick and manageable alternative to traditional above-ground pools. However, soft side pools present an immediate safety danger to young children. The soft climbable sides lack the necessary barrier protection required by law to prevent unauthorized access into the pool. The installation of additional barrier protection in the form of a fence and ladder enclosure is required for this type of swimming pool if greater than 24" in depth.

## PRIVATE SWIMMING POOLS

Swimming pools intended to be used in connection with an occupancy for 1 and 2 family dwellings and which is available only to the family and guests of the householder.

## PUBLIC, SEMI-PUBLIC POOL

Swimming pools intended to be used by the general public (condo, apartments, etc.) Refer to Chapter 4, §421.0 of the Massachusetts State Building Code and Chapter V of the State Sanitary Code, 105 CMR 435.00 for additional code requirements.

## POOL EGRESS

At least one means of egress shall be provided from private pools. Steps shall be slip resistant with handrails on both sides, except where there are not more than 4 steps or where the steps extend the full width of the side or end of the pool.

## WATER DISPOSAL

Pools shall be so equipped to be emptied completely of water and discharge shall be designed in a manner that will not create a nuisance to adjoining property.

Backwash water shall be discharged into a drywell or equivalent.

## REQUIRED INSPECTIONS

Above-Ground – Final only

In-ground concrete – rough and final

In-ground placed – final only

Electrical and Plumbing inspections are separate

Health Dept. inspects public/semi-public pools annually

## PERMIT REQUIRED

- Pools 24" or greater in depth, and/or;
- Pools with a surface area 250sq ft. or greater, and/or;
- Pools equipped with a permanent water re-circulating system, and/or;
- Pools involving structural materials
- Pool house/equipment shed

## APPLICATION

- \_\_\_\_\_ Completed Application and Fee
- \_\_\_\_\_ Pool Specifications – *above ground only*
- \_\_\_\_\_ Insurance/Waiver
- \_\_\_\_\_ HIC Info (*In-ground pools only*)
  - \_\_\_\_\_ Homeowner Exempt
- \_\_\_\_\_ Verification of taxes paid (*in house*)

## DOCUMENTATION

- \_\_\_\_\_ One set of documents showing:

Construction documents shall accurately show dimensions and construction of the pool and appurtenances and properly established distances to lot lines, buildings, walks and fences, as well as details of the water supply system, drainage and water disposal systems, and all appurtenances pertaining to the swimming pool. Detailed construction documents of structures, vertical elevations and sections through the pool showing depth shall be included.

- Barrier and gate detail
- Diving board detail
- Step or ladder location
- Filtrations System
  - Sand
  - cartridge
  - Diatomaceous earth

- \_\_\_\_\_ Plot Plan showing:

- Pool location in relation to:
  - Septic System Tank: 10'
  - Leaching: 20'
  - House and other structures
  - Property lines (*Engineering Dept*)
- Barrier location
- Mechanical and electrical equipment location
- Potable water source – Cross connections prohibited



## Permit Review Checklist

*Swimming Pools 780 CMR 421.0*

*Town of Bourne  
Building Dept. & Health Dept.  
24 Perry Avenue  
Buzzards Bay, MA 02532  
508-759-0600 ex. 1512 Building  
508-759-0600 ex. 1513 Health*

## UNDERSTANDING BARRIERS

**421.10** Enclosures for private swimming pools, spas and hot tubs: In lieu of any zoning laws or ordinances to the contrary, private swimming pools, spas and hot tubs shall be enclosed in accordance with 730 CMR 421.10.1 through 421.10.4 or by other approved barriers

**421.10.1** Outdoor private swimming pool: An outdoor private swimming pool, including an in-ground, above ground or on-ground pool, hot tub or spa shall be provided with a barrier which shall comply with the following.

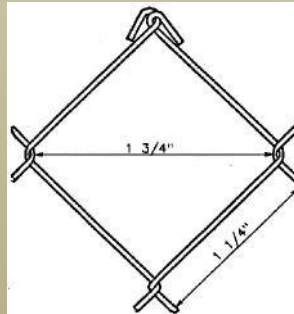
1. The top of the barrier shall be at least 48 inches (1219 mm) above finished ground level measured on the side of the barrier which faces away from the swimming pool.

The maximum vertical clearance between finished ground level and the barrier shall be two inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above finished ground level, such as an above-ground pool, the barrier shall be at finished ground level, such as the pool structure, or shall be mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be four inches (102 mm).

2. Openings in the barrier shall not allow passage of a four-inch (102 mm) diameter sphere.
3. Solid barriers shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 13/4 inches (44

mm) in width. Decorative cutouts shall not exceed 13/4 inches (44 mm) in width.

5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed four inches (102 mm). Decorative cutouts shall not exceed 13/4 inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 1 1/4 inch (32 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 13/4 inches (44 mm)



7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall be not more than 13/4 inches (44 mm).
8. Access gates shall comply with the requirements of 780 CMR 421.10.1 items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outwards away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate: (a) the release mechanism shall be located on the pool side of the gate at least three inches (76 mm) below the top of the gate; and (b) the gate and barrier shall not have an opening greater than 1/2 inch (13 mm) within 18 inches (457 mm) of the release mechanism.

9. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The audible warning shall commence not more than seven seconds after the door and screen door, if present, are opened and shall sound continuously for a minimum of 30 seconds. The alarm shall have a minimum sound pressure rating of 85 dBA at ten feet (3048 mm) and the sound of the alarm shall be distinctive from other household sounds such as smoke alarms, telephones and door bells. The alarm shall automatically reset under all conditions. The alarm shall be equipped with manual means, such as touchpads or switches, to deactivate temporarily the alarm for a single opening from either direction. Such deactivation shall last for not more than 15 seconds. The deactivation touchpads or switches shall be located at least 54 inches (1372 mm) above the threshold of the door.



### Residential Fees:

Please see the Fee Schedule for pricing,

*\*Electrical and Plumbing permits are separate\**

### For the full list of rules & regulations:

[www.townofbourne.com/health/regulations](http://www.townofbourne.com/health/regulations)

[www.mass.gov/eohhs/docs/dph/regs/105cmr435.pdf](http://www.mass.gov/eohhs/docs/dph/regs/105cmr435.pdf)