Swimming Pool Installation Regulations
Inspection Schedule for In-Ground & Above-Ground Pools

**In-Ground Pools:**
1st Inspection EXCAVATION. After excavation is completed, and before any stone is placed in the bottom of excavation (if any is to be place).

2nd Inspection FRAME. After steel reinforcing or panels have been grounded, and after the grounding has been inspected by the wiring inspector and approved.

3rd Inspection CERTIFICATION. By a registered land surveyor an as built plot plan of the location of the structure must be submitted before work may continue (IF REQUIRED).

4th Inspection FINAL INSPECTION. After the required fencing, gates, and filters have been completed and installed correctly.

*FILLING WITH WATER SHALL NOT BE STARTED UNTIL TEMPORARY OR PERMANENT FENCING IS COMPLETED.*

**Above-Ground Pools:**
1st Inspection FRAME. After pool has been erected and after proper grounding has been inspected and approved by the wiring inspector, but before water is installed.

*FILLING WITH WATER SHALL NOT BEGIN UNTIL LOCATION OF STRUCTURE HAS BEEN APPROVED AND ALL NECESSARY FENCING HAS BEEN COMPLETED.*

2nd Inspection FINAL INSPECTION - After the required fencing, gates, ladders, and filters have been installed correctly.

**NOTE:** Pool appurtenances such as Cabanas, Filters, Slides, Diving Boards, etc., are to be considered as a part of the structure and must be installed within the Town of Newbury Zoning Regulations.
*A SEPARATE WIRING PERMIT MUST ALSO BE OBTAINED.*
APPENDIX G

SWIMMING POOLS, SPAS AND HOT TUBS

(The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.)

SECTION AG101
GENERAL

- **AG101.1 General.** The provisions of this appendix shall control the design and construction of swimming pools, spas and hot tubs installed in or on the lot of a one- or two-family dwelling.

  **AG101.2 Pools in flood hazard areas.** Pools that are located in flood hazard areas established by Table R301.2(1), including above-ground pools, on-ground pools and in-ground pools that involve placement of fill, shall comply with Sections AG101.2.1 or AG101.2.2.

  **Exception:** Pools located in riverine flood hazard areas which are outside of designated floodways.

  **AG101.2.1 Pools located in designated floodways.** Where pools are located in designated floodways, documentation shall be submitted to the building official, which demonstrates that the construction of the pool will not increase the design flood elevation at any point within the jurisdiction.

  **AG101.2.2 Pools located where floodways have not been designated.** Where pools are located where design flood elevations are specified but floodways have not been designated, the applicant shall provide a floodway analysis that demonstrates that the proposed pool will not increase the design flood elevation more than 1 foot (305 mm) at any point within the jurisdiction.

SECTION AG102
DEFINITIONS

**AG102.1 General.** For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2.

**ABOVE-GROUND/ON-GROUND POOL.** See "Swimming pool."

**BARRIER.** A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

**HOT TUB.** See "Swimming pool."

**IN-GROUND POOL.** See "Swimming pool."

**RESIDENTIAL.** That which is situated on the premises of a detached one- or two-family dwelling or a one-family townhouse not more than three stories in height.

**SPA, NONPORTABLE.** See "Swimming pool."

**SPA, PORTABLE.** A nonpermanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating equipment are an integral part of the product.

**SWIMMING POOL.** Any structure intended for swimming or recreational bathing that contains water over 24 inches (610 mm) deep. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas.

**SWIMMING POOL, INDOOR.** A swimming pool which is totally contained within a structure and surrounded on all four sides by the walls of the enclosing structure.

**SWIMMING POOL, OUTDOOR.** Any swimming pool which is not an indoor pool.

SECTION AG103
SWIMMING POOLS

**AG103.1 In-ground pools.** In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG108.

**AG103.2 Above-ground and on-ground pools.** Above-ground and on-ground pools shall be designed and constructed in conformance with ANSI/NSPI-4 as listed in Section AG108.

**AG103.3 Pools in flood hazard areas.** In flood hazard areas established by Table R301.2(1), pools in coastal high hazard areas shall be designed and constructed in conformance with ASCE 24.

SECTION AG104
SPAS AND HOT TUBS

**AG104.1 Permanently installed spas and hot tubs.** Permanently installed spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-3 as listed in Section AG108.

**AG104.2 Portable spas and hot tubs.** Portable spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-6 as listed in Section AG108.

SECTION AG105
BARRIER REQUIREMENTS

**AG105.1 Application.** The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools, spas and hot tubs.

**AG105.2 Outdoor swimming pool.** An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

  1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of...
the barrier shall be 2 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 grade,
such as an above-ground pool, the barrier may be at
ground level, such as the pool structure, or 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 4 inches (102 mm).

2. Openings in the barrier shall not allow passage of a
4-inch-diameter (102 mm) sphere.

3. Solid barriers which do not have openings, such as a
masonry or stone wall, 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 hori-
tzontal 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 mem-
bers shall not exceed 1/4 inches (44 mm) in width.
Where there are decorative cutouts within vertical mem-
bers, spacing within the cutouts shall not exceed 1/4
inches (44 mm) in width.

5. Where the barrier is composed of horizontal and vertical
members and the distance between the tops of the hori-
tzontal members is 45 inches (1143 mm) or more, spacing
between vertical members shall not exceed 4 inches (102
mm). Where there are decorative cutouts within vertical
members, spacing within the cutouts shall not exceed 1/4
inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a
2/3-inch (57 mm) square unless the fence has slats fas-
tened at the top or the bottom which reduce the openings
to not more than 1/4 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 not be more than 1/4 inches
(44 mm).

8. Access gates shall comply with the requirements of
Section AG105.2, Items 1 through 7, and shall be equipped
to accommodate a locking device. Pedestrian access
gates shall open outward 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-latch-
ing device is located less than 54 inches (1372 mm) from
the bottom of the gate, the release mechanism and open-
ings shall comply with the following:

8.1. The release mechanism shall be located on the
pool side of the gate at least 3 inches (76 mm)
below the top of the gate; and

8.2. The gate and barrier shall have no opening larger
than 1/2 inch (12.7 mm) within 18 inches (457
mm) of the release mechanism.

9. Where a wall of a dwelling serves as part of the barrier,
one of the following conditions shall be met:

9.1. The pool shall be equipped with a powered safety
cover in compliance with ASTM F 1346; or

9.2. Doors with direct access to the pool through that
wall shall be equipped with an alarm which pro-
duces an audible warning when the door and/or
its screen, if present, are opened. The alarm shall
be listed and labeled in accordance with UL
2017. The deactivation switch(es) shall be
located at least 54 inches (1372 mm) above the
threshold of the door; or

9.3. Other means of protection, such as self-closing
doors with self-latching devices, which are
approved by the governing body, shall be accept-
able as long as the degree of protection afforded
is not less than the protection afforded by Item
9.1 or 9.2 described above.

10. Where an above-ground pool structure is used as a bar-
rier or where the barrier is mounted on top of the pool
structure, and the means of access is a ladder or steps:

10.1. The ladder or steps shall be capable of being
secured, locked or removed to prevent access;

10.2. The ladder or steps shall be surrounded by a
barrier which meets the requirements of Sec-
tion AG105.2, Items 1 through 9. When the lad-
der or steps are secured, locked or removed, any
opening created shall not allow the passage of a
4-inch-diameter (102 mm) sphere.

AG105.3 Indoor swimming pool. Walls surrounding an
indoor swimming pool shall comply with Section AG105.2,
Item 9.

AG105.4 Prohibited locations. Barriers shall be located to
prohibit permanent structures, equipment or similar objects
from being used to climb them.

AG105.5 Barrier exceptions. Spas or hot tubs with a safety
cover which complies with ASTM F 1346, as listed in Section
AG107, shall be exempt from the provisions of this appendix.

SECTION AG106
ENTRAPMENT PROTECTION FOR SWIMMING
POOL AND SPA SUCTION OUTLETS

AG106.1 General. Suction outlets shall be designed and
installed in accordance with ANSI/APSP-7.
SECTION AG107
ABBREVIATIONS

AG107.1 General.

ANSI—American National Standards Institute
11 West 42nd Street
New York, NY 10036

APSP—Association of Pool and Spa Professionals
NSPI—National Spa and Pool Institute
2111 Eisenhower Avenue
Alexandria, VA 22314

ASCE—American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, VA 98411-0700

ASTM—ASTM International
100 Barr Harbor Drive,
West Conshohocken, PA 19428

UL—Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

SECTION AG108
STANDARDS

AG108.1 General.

ANSI/NSPI

ANSI/NSPI-3-99 Standard for
Permanently Installed Residential Spas ............... AG104.1

ANSI/NSPI-4-99 Standard for Above-ground/
On-ground Residential Swimming Pools .............. AG103.2

ANSI/NSPI-5-2003 Standard for
Residential In-ground Swimming Pools ............. AG103.1

ANSI/NSPI-6-99 Standard for
Residential Portable Spas .......................... AG104.2

ANSI/APSP

ANSI/APSP-7-06 Standard for Suction Entrapment
avoidance in Swimming Pools, Wading Pools, Spas,
Hot Tubs and Catch Basins .......................... AG106.1

ASCE

ASCE/SEI-24-05 Flood Resistant
Design and Construction ................................ AG103.3

ASTM

Specification for Safety Covers and Labeling
Requirements for All Covers for Swimming Pools,
Spas and Hot Tubs ................................. AG105.2, AG105.5

UL

UL 2017-2000 Standard for General-purpose
Signaling Devices and Systems—with Revisions
through June 2004 ................................. AG105.2

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