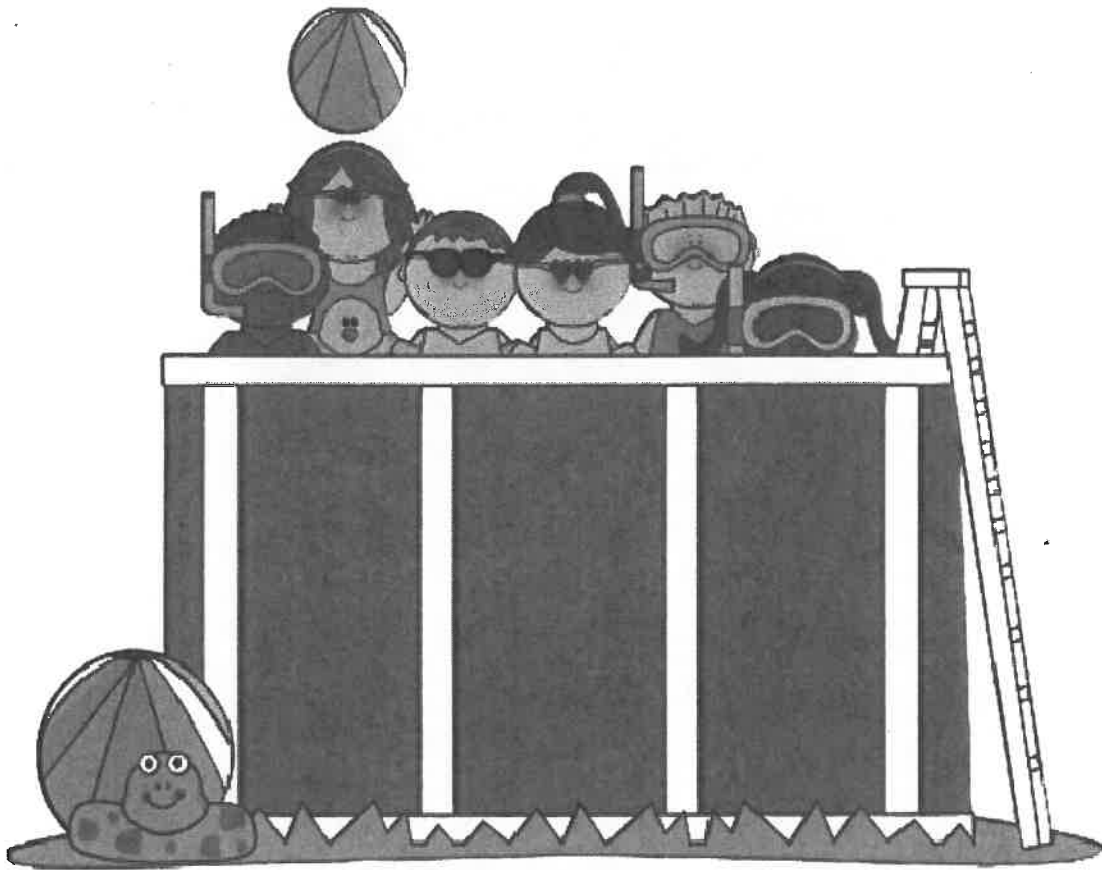


# POOL INSTALLATION REQUIREMENTS FOR ABOVE & IN GROUND



**GALLOWAY TOWNSHIP  
CONSTRUCTION CODE OFFICE  
300 E JIMMIE LEEDS RD  
GALLOWAY, NJ 08205  
609-652-3700  
EXT 249 OR 241  
FAX 609-652-2027**

**REQUIRED MATERIAL FOR SUBMISSION  
OF A POOL PERMIT**

1. Building permit application.
2. Electrical permit application
3. Plumbing permit application for all in ground pools for drainage (see note below) and any gas piping.
4. Notarized homeowners pool certification.
5. Survey showing the lot size, house location, and pool location and marking set backs on all four sides of the pool to the property line.
6. Zoning permit application (attached).
7. Brochure on pool, pump and filter.
8. Brochure on pool heater if applicable.
9. Two sets of sealed plans for in-ground pool.
10. Two sets of plans for any and all electrical work and gas piping.

**\*\* FOR ALL INGROUND POOLS \*\***

**Pools that are constructed with submerged suction (bottom drains) must have two suction outlets that are at least three feet apart. These outlets must have ASME approved covers.**

**ELECTRICAL REQUIREMENTS FOR RESIDENTIAL ABOVE GROUND POOLS**

**ALL DIAGRAMS MUST MEET THE NATIONAL ELECTRICAL CODE**

**SHOW IN A DRAWING:**

- WIRING TYPE & LOCATION FROM PANEL TO JUNCTION BOX ON HOUSE
- WIRE TO POOL MOTOR INSULATED GROUND NO SMALLER THAN 12 AWG CODE 680.21A(1)
- IF CORD AND PLUG CONNECTION ARE NO LONGER THAN 3 FEET NOT SMALLER THAN 12AWG CODE 680.21A(5)
- RECEPTACLE FOR PUMP SINGLE 20 AMP RECEPTACLE MUST HAVE GFI PROTECTION CODE 680.22 A(2) BETWEEN 6 FEET AND 10 FEET
- ONE RECEPTACLE ON A GENERAL PURPOSE BRANCH CIRCUIT BETWEEN 6 FEET AND 20 FEET GFI PROTTECTED CODE 680.22a(1) ALSO MUST HAVE EXTRA DUTY COVER
- ALL WIRING IN PVC MUST HAVE 18 INCHES OF COVER UNDER A DRIVEWAY MUST HAVE 24 INSCHE OF COVER
- EQUIPOTENTIAL BOND AROUND POOL TO PUMP, MOTOR AND WATER BOND, METAL FRAME OF POOL AND ALL METAL WITHIN 5 FEET OF POOL MUST BE #8 SOLID COPPER WIRE AND LUGS CODE 680.26B(1)(2)(3) 18 – 24 INCHES FROM WATER AND 4-6 INCHES BELOW SUBGRADE CODE 680.26(C)
- TIME CLOCK ON POOL PUMPMOTOR CODE R403.10.1 (ENERGY)



**GALLOWAY TOWNSHIP**  
Department of Community Development  
Construction, Code Enforcement, Housing, Planning, Zoning

300 East Jimmie Leeds Road, Galloway Township, N.J. 08205  
(609) 652-3700 Fax (609) 652-2027

**Richard Roesch**

Director of Community Development  
Construction Official

**FEE \$50.00**

***APPLICATION FOR ZONING PERMIT***  
***(ATTACH A COPY OF SURVEY)***

APPLICANT'S NAME \_\_\_\_\_ BLK \_\_\_\_\_ LOT \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE # \_\_\_\_\_

**CHECK ONE:**

\_\_\_\_ NEW STRUCTURE \_\_\_\_ GARAGE \_\_\_\_ BARN \_\_\_\_ POOL \_\_\_\_ SHED  
\_\_\_\_ ADDITION \_\_\_\_ PORCH \_\_\_\_ SIGN \_\_\_\_ DECK \_\_\_\_ OTHER

**LAND USE PERMIT:**

\_\_\_\_ LAND USE COMPLIANCE \_\_\_\_ FORESTRY \_\_\_\_ OTHER

**SETBACK DIMENSIONS: (INDICATE SETBACKS ON SURVEY)**

FRONT \_\_\_\_\_ SIDE \_\_\_\_\_ REAR \_\_\_\_\_

**WHEN APPLICABLE:**

1. ATTACH A COPY OF PINELANDS CERTIFICATE OF FILING AND DEP APPROVAL
2. ATTACH A COPY OF DECISION & RESOLUTION FROM EITHER PLANNING OR ZONING BOARD

APPLICANTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**(OFFICE USE ONLY):**

LANDUSE ADMIN. APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

LANDUSE ADMIN. DENIAL \_\_\_\_\_

\_\_\_\_\_. L/U INITIALS \_\_\_\_\_ DATE \_\_\_\_\_

## APPENDIX G

# SWIMMING POOLS, SPAS AND HOT TUBS

### 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.

### 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.

### 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 subject to this code. 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 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  $1\frac{3}{4}$  inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed  $1\frac{3}{4}$  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 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1<sup>3</sup>/<sub>4</sub> inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 2<sup>1</sup>/<sub>4</sub>-inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1<sup>3</sup>/<sub>4</sub> 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<sup>3</sup>/<sub>4</sub> 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-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings 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 (13 mm) within 18 inches (457 mm) of the release mechanism.

9. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps:
  - 9.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 8.

**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**

See N.J.A.C. 5:23-3.15(b) 8vi. of the plumbing subcode.

**SECTION AG107  
ABBREVIATIONS**

**AG107.1 General.**

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

ASME—American Society of Mechanical Engineers  
Three Park Avenue  
New York, NY 10016-5990

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

NSPI—National Spa and Pool Institute  
2111 Eisenhower Avenue, Alexandria, VA 22314

UL—Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, Illinois 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-5-99 Standard for Residential In-ground Swimming Pools . . . . . AG103.1

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

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

ANSI/ASME A112.19.8M-1987 (R1996) Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tubs and Whirlpool Bathing Appliances . . . . . AG106.2

**ASTM**

ASTM F 1346-91 (2003) Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs . . . . . AG105.2, AG105.5

**ASME**

ASME A112.19.17 Manufacturers Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool. . . . . AG106.3

**UL**

UL2017-2000 Standard for General-purpose Signaling Devices and Systems—with Revisions through June 2004. . . . . AG105.2