



TOWN OF FARMINGTON

DEPARTMENT OF PUBLIC WORKS & DEVELOPMENT SERVICES

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POOL PERMIT PROCESS

You will need the following:

1. Fill out a Building Permit and Zoning Permit Application (<https://farmingtonct.viewpointcloud.com>).
2. If you are on a septic system or have well water, you need to get approval from:
Farmington Valley Health District Phone: (860) 676-1953 Fax: (860) 676-2131 (www.fvhd.org)
3. Plot plan or survey map, showing accurately where structure will be placed.
It will be the applicant's responsibility to provide the Zoning Enforcement Officer with assistance in locating the lot lines in the field. If the information provided is unclear, the Office of Planning and Zoning may require an increase in the setback in question, survey and/or the lot lines may be required to be located by a surveyor.
4. Certificate of Insurance showing Worker's Compensation or fill out appropriate State Worker's Compensation Form
5. Specifications on pool, filter (DE filter that recycles the water), Floating alarm, and Fence.
6. Call Before You Dig Number (CBYD) 1-800-922-4455, if digging by machine.

In-Ground Pools:

- Engineer's structural drawing of pool (showing at least 4' high fence) with Engineer's Seal.

Propane Tank for Pool Heater (if applicable)

- Need Plot Plan showing size and location.
- Fill out an additional Building Permit Application (<https://farmingtonct.viewpointcloud.com>)

Hot Tubs

- If hot tub is capable of holding more than 2 feet of water – the State Building Code requires a building permit and a fence, locking gate, or cover. No alarm needed.

Portable Swimming Pools

- If pool is capable of holding more than 2 feet of water, the State Building Code requires a permit and a code compliant barrier around the pool. If the wall of the house is part of the barrier, alarms on the doors to your home are required.

Pool Inspections: 24 hr notice

Above-Ground Pools

- * Electrical and Pump Location
(Leave Trench Open)
- * Final Inspection - Filled

In-Ground Pools

- * Electrical and Pump Location (*Leave Trench Open*)
- * Inspect Before Pouring
- * Inspect Before Backfilling
- * Final Inspection - Fenced and Filled

Fees: You will be prompted to pay once all approvals are completed. Payment can be made online via Credit Card, by mailing in a Check, or can be made in person via Cash or Check. If paying by Check, please make payable to "Town of Farmington".

Building Fee: \$15.00 per thousand or any part of \$1,000 based on total job cost.
Certificate of Occupancy Fee: \$15.00
Zoning Fee: \$60.00 (State Mandated)



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SWIMMING POOLS

Swimming pools and appurtenances such as decking and tennis courts shall be subject to the following requirements:

1. Shall be located behind the longest rear wall of the principal building or in the rear half of a lot containing frontage on one street. In the rear yard as measured from the longest rear wall of the principal building but not beyond the middle third of a through lot as measured from the street the principal use is closest to. In the case of a corner lot, to the rear half of a lot as measured from the longest wall with respect to both streets or in the rear half of a lot as measured from both streets, or a combination thereof. To the rear of the home as measured from the longest wall with respect to two streets or in the rear half of a lot as measured from two streets or combination thereof where a lot is bounded by three or more streets.
2. Shall be at least 25 feet from any street line.
3. Shall meet the side and rear yard requirements for the zone in which it is located shown in Article 111, Section 6, of the Planning and Zoning Regulations, except in R40 and R80 zones where the rear yard requirement shall be 25 feet.
4. Shall require a Planning and Zoning Permit.

Note: There is no restriction as to the location of patios, sidewalks or fencing set on the ground that may be used to surround a pool. Any equipment ancillary to the pool such as filter, heater, ladder and/or slide must be located in the same manner as the swimming pool.

R80	Side yard 40 feet	Rear yard 25 feet
R40	Side yard 25 feet	Rear yard 25 feet
R30	Side yard 15 feet	Rear yard 25 feet
R20	Side yard 10 for one 30 for both	Rear yard 25 feet
R12	Side yard 10 feet	Rear yard 25 feet
R12LG	Side yard 10 feet	Rear yard 25 feet
R9	Side yard 10% of frontage not over 10 feet	Rear yard 25 feet

See Zoning text for cluster development.

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- and two-family dwelling.

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 ANSUNSPI-3 as listed in Section AG108.

SECTION AG102 DEFINITIONS

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

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 AND IN-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 walls of said 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 ANSUNSPI-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 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 in-ground, above-ground or on-ground pools, hot tubs and spas shall be provided with a barrier that shall comply with the following:

1. The top of the barrier shall be at least 48 inches above grade measured on the side of the barrier that faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches measured on the side of the barrier that 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.
2. Openings in the barrier shall not allow passage of a 4-inch diameter sphere.
3. Solid barriers that do not have openings, such as masonry or stonewalls, 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, the horizontal members shall be located on the swimming pool side of the barrier. Spacing between vertical members shall not exceed $1\frac{3}{4}$ inches in width. Where there are decorative cutouts within vertical or horizontal members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches in width.

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SWIMMING POOLS, SPAS AND HOT TUBS

5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches or more, spacing between vertical members shall not allow passage of a 4-inch diameter sphere. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches in width.
6. Maximum mesh size for chain link fences shall be $2\frac{1}{4}$ inches square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than $1\frac{3}{4}$ inches.
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 $1\frac{3}{4}$ inches.
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 from the bottom- of the gate, the release mechanism and surrounding openings shall comply with the following: The release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate and the gate and barrier shall have no opening greater than $\frac{1}{2}$ inch within 18 inches of the release mechanism.
9. Where a wall of a dwelling serves as part of the pool barrier, one of the following conditions shall be met:
 - 9.1. The pool shall be equipped with a power safety cover in compliance with ASTM F 1346-91; or
 - 9.2. All doors with direct access to the pool through that wall shall be equipped with an alarm that produces an audible warning when the door and its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds within 7 seconds after the door and its screen, if present, are opened and be capable of being heard throughout the house during normal activities. The alarm shall automatically reset under all conditions. The alarm shall be equipped with a manual means, such as a touch pad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation device(s) shall be located at least 54 inches above the threshold of the door; or

- 9.3. All doors with direct access to the pool through that wall shall be equipped with a self-closing and self-latching device with the release mechanism located a minimum of 54 inches above the door threshold. Swinging doors shall open away from the pool area.

10. Where an above-ground or on-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, then the ladder or steps shall be surrounded by a barrier which meets the requirements of section AG105.2, Items 1 through 9.

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

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

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.

AG10.5.6 Temporary enclosure. A temporary enclosure shall be installed prior to the commencement of the installation of any in-ground swimming pool unless the permanent barrier specified in Section AG105.2 is in place prior to the commencement of the installation. The temporary enclosure shall be a minimum of 4 feet in height, shall have no openings that will allow passage of a flinch sphere and shall be equipped with a positive latching device on any openings.

AG105.7 Pool alarm. No building permit shall be issued for the construction or substantial alteration of a swimming pool at a residence occupied by, or being built for, one or more families unless a pool alarm is installed with the swimming pool. As used in this section, "pool alarm" means a device that emits a sound of at least 50 decibels when a person or an object weighing 15 pounds or more enters the water in a swimming pool.

Exception: Hot tubs and portables spas shall be exempt from this requirement.

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SWIMMING POOLS, SPAS AND HOT TUBS

**SECTION AG106 ENTRAPMENT
PROTECTION FOR SWIMMING POOL AND
SPA SUCTION OUTLETS**

AG106.1 General. Suction outlets shall be designed to produce circulation throughout the pool or spa. Single outlet systems, such as automatic vacuum cleaner systems, or other such multiple suction outlets whether isolated by valves or otherwise shall be protected against user entrapment.

AG106.2 Suction fittings. All pool and spa suction outlets shall be provided with a cover that conforms with ANSUASME A112.19.8M, or a 12" x 12" drain grate or larger, or an approved channel drain system.

Exception: Surface skimmers

AG106.3 Atmospheric vacuum relief system required. All pool and spa single or multiple outlet circulation systems shall be equipped with atmospheric vacuum relief should grate covers located therein become missing or broken. Such vacuum relief systems shall include at least one approved or engineered method of the type specified herein, as follows:

1. Safety vacuum release system conforming to ASME A 112.19.17, or
2. An approved gravity drainage system

AG106.4 Dual drain separation. Single or multiple pump circulation systems shall be provided with a minimum of two (2) suction outlets of the approved type. A minimum horizontal or vertical distance of three (3) feet shall separate such outlets.

These suction outlets shall be piped so that water is drawn through them simultaneously through a vacuum relief-protected line to the pump or pumps.

AG106.5 Pool cleaner fittings. Where provided, vacuum or pressure cleaner fitting(s) shall be located in an accessible position(s) at least (6) inches and not greater than twelve (12) inches below the minimum operational water level or as an attachment to the skimmer(s).

SECTION AG107 ABBREVIATIONS

AG107.1 General.

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

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

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

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-5-03 Standard for Residential In-ground Swimming Pools AG103.1

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

ANSI/ASME A1 12.19.8M-1987 Suction (R1996) Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tub 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 HotTubs AG105.2,AG105.5

ASME

ASME A1 12.19.17 -2002 Manufacturers Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool AG106.3

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PORTION OF THE 2005 STATE BUILDING CODE