



City of Danbury
155 Deer Hill Ave
Danbury, CT 06810

For Questions Please Contact the Permit Office at (203) 796-1653

Application # _____

POOL APPLICATION

Use the following Table for departmental areas of the Application that need to be completed for your specific project.

*****Required Responsible Departments*****

Type of Project	Health Septic / Well	Engineering	Zoning	Building
Above or In-Ground Pool	*	*	Yes	Yes

* One or the other or combination using sewer and water (Engineering) septic or well (Health)
Table to be used as a guide only. Department can require permit at their discretion.

Certain permits will require different types of maps and drawings to accompany their submission. The following is a list of Plan requirements by Permits.

Type of Project	Septic	Engineering	Zoning	Building
Above or In-Ground Pool	Sub-Surface Disposal Plan	Check back-flow prevention	A-2 Survey showing existing structures and Proposed Pool	2 Copies of Building Plans

In order for a Certificate of Occupancy to be issued the following must be completed.

Type of Project	Septic	Zoning	Building
Above or In-Ground Pool	Health Dept. Approval	Inspection prior to final building inspection	All required inspection completed

Handouts are available at our Web Site (www.ci.danbury.ct.us) and from counter staff. These drawings are meant to assist you in completing drawings. They are to be used as guides only.

Assessors lot #: _____ Town Clerk Map #: _____ Town Clerk Lot #: _____

Property Address: _____

Application Date: _____ Current Use of Property: _____

Zone Code: _____ Total Estimated Construction Cost: _____

Work Description: (Size and location): _____

Please list the following information for all Professionals and Contractors:

NAME, LICENSE NO., COMPANY, TELEPHONE, FAX, E-MAIL.

General Contractor / Construction Manager: Name: _____

Address _____

Signature: _____ Phone #: _____ Fax #: _____

Property Owner or Owner's Agent (letter required): _____

Signature _____ Phone #: _____ Fax #: _____

Electrical Contractor: _____ License # _____

Signature: _____ Phone #: _____ Fax #: _____

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 stone walls, 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.
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 4-inch 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.

2003 INTERNATIONAL RESIDENTIAL CODE® PORTION OF THE 2005 STATE BUILDING CODE

REQUIRED SWIMMING POOL INSPECTIONS:

The following is a list of inspections that need to be performed prior to the continuation of work. Request for inspections can be made by calling the Building Department at (203) 797-4581.

TRENCH AND BONDING-Electrical trench depth verification and bonding of pool and metal appurtenances including metal reinforcing for gunite pools.

FINAL ELECTRICAL-Location of equipment and GFCI protection. Convenience outlet provided.

FINAL-Swimming pool access protection must be provided before pool can be used.

Each swimming pool installation requires a Building Permit. Additional permits and inspection are required for pool decks.