

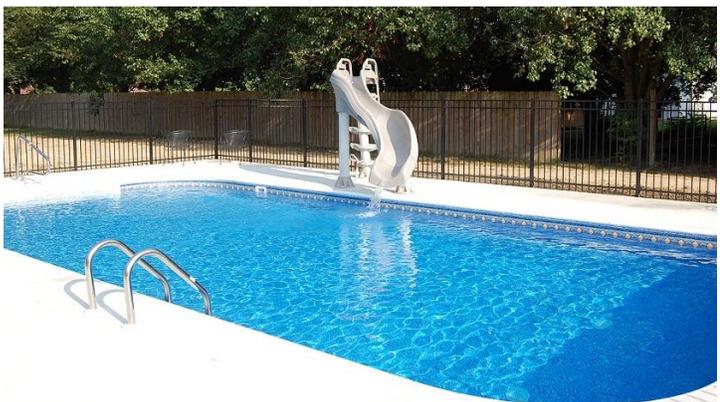


DEPARTMENT OF
NEIGHBORHOOD
SERVICES

2023

Pool Permit Application Handout

Pools/Spas for the Use of Single Families and Guests, Accessory to
1&2 Family Residences or Townhouses



Pool Permit Application Handout - 2023
Pools/Spas for the Use of Single Families and Guests
Accessory to 1&2 Family Residences or Townhouses

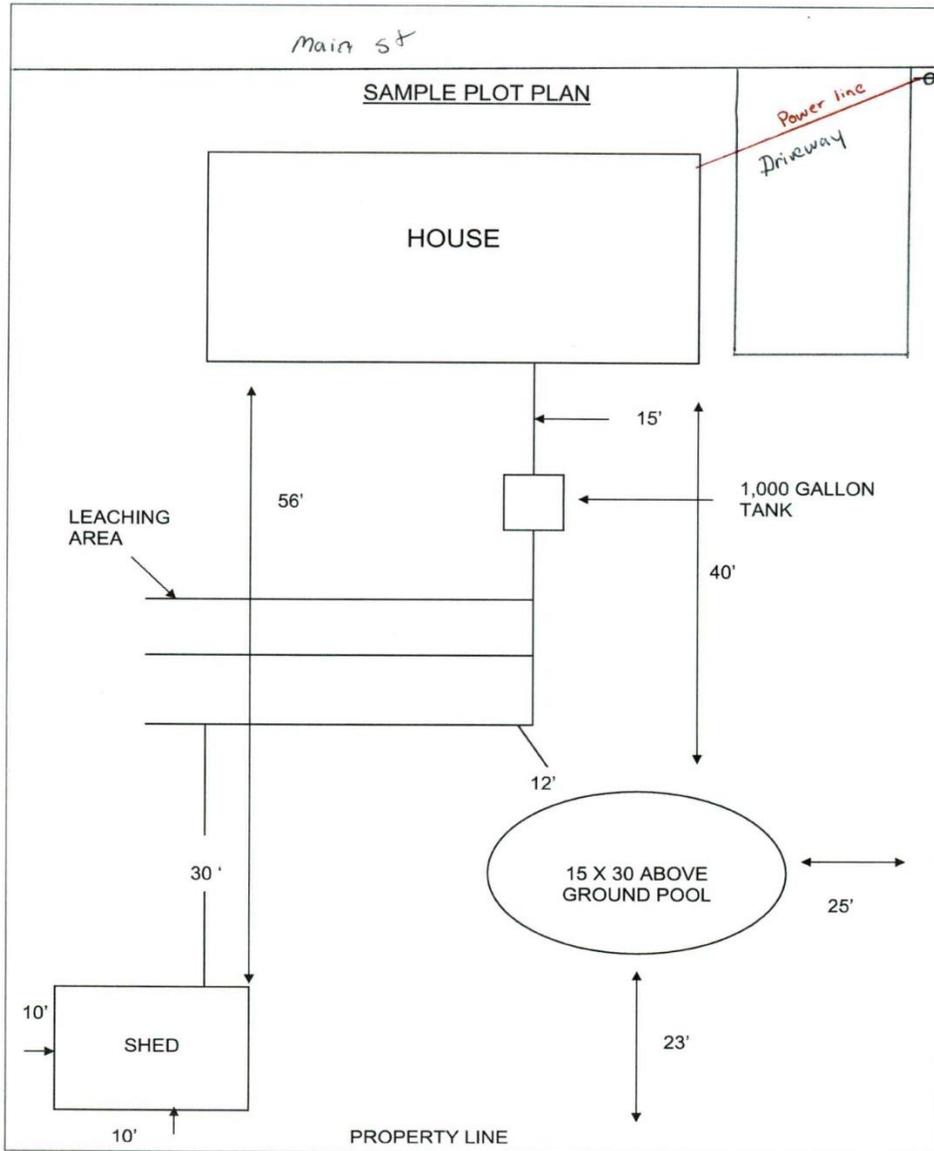
Pool/Spa Submittal Requirements

All information must be filled in, checked or marked N/A

- Application and approval from Uncas Health District (B100) **[Only for properties with septic]**
- Zoning Permit Application (Signed by Property Owner)
- Building Permit Application (Signed by Property Owner)
 - Copy of Contractor's License
 - Proof of Workman's Compensation or waiver
- Site Plan of pool/spa location and showing any overhead lines
- Swimming pool agreement signed by the owner of the property
- Call Before You Dig (Number: Dial 811)
- Pool Alarm Info
- Ladder Info
- One (1) copy of the manufacturer specifications and plans that must be at site.

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Sample Site Plan



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Samples of Acceptable Ladder Enclosures/Gates



Ladder with an Integrated Self-Closing Gate/Cover



48" tall enclosure around ladder for above-ground pools w/ self-closing gate



48" tall enclosure around entire pool w/ self-closing gate.

Important Notice

All spaces between balusters must be 4" or less. (2021 ISPCS – 305.2.2)
Sole use of horizontal balusters as fall protection creates a ladder and are not allowed.
Latch Releases shall be located not less than 54" off grade. (2021 ISPCS – 305.3.3)



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2023

Pre-Final Inspection Checklist

Pools/Spas for the Use of Single Families and Guests Accessory to
1&2 Family Residences or Townhouses

Please verify the following before calling for a Pool Final Inspection

Location

- The location of the pool must be so that any overhead service entrance cables are 22.5' from the water level in any direction. If installing a diving board or platform a distance of 14.5' must be maintained. (NFPA 70 - Table 608.9(A))
- In-ground pools – consideration for any underground utilities should be taken. Call Before You Dig Number: **Dial 811**.
- No non-pool related underground wires are allowed within 6' of the pool walls unless in an approved conduit or jacketed cable listed for direct burial use. (NFPA 70 - 680.11(A))

Barriers and Alarms

- A temporary enclosure shall be installed for in ground swimming pools and spas from the time that construction occurs up to the time that the permanent barrier is completed. The temporary enclosure shall be a minimum of 4 feet (1219) in height, shall have no openings that will allow passage of a 4-inch (102 mm) sphere and shall be equipped with a positive latching device on any openings. (305.1.1)
- Pools and spas must be equipped with a min, 48 inch tall barrier (305.2.1)
 - Spas or hot tubs with a safety cover which comply with ASTM F1346 *shall* be exempt
- Openings in the barrier cannot allow the passage of a 4" sphere (305.2.2)
- Access gates *shall* open outward away from the pool, and *shall* be *self-closing* and have a self-latching device. (305.3)
- Release mechanisms for self-closing gates must be no less the 54" above grade or no less than three inches below the top of the gate on the pool or spa side. (305.3.3)
- Where a wall of a *dwelling* serves as part of the barrier, one of the following conditions shall be met: (305.4)

Pre-Final Inspection Checklist - 2023
Pools/Spas for the Use of Single Families and Guests
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- The pool *shall* be equipped with a powered safety cover in compliance with ASTM F1346;
 - 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/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
 - Other means of protection, such as *self-closing* doors with self-latching devices, which are *approved* by the governing body, *shall* be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described herein.
- An on-ground *residential* pool wall structure or a barrier mounted on top of an on-ground *residential* pool wall structure shall serve as a barrier where all of the following conditions are present: (305.5)
 - 1. Where only the pool wall serves as the barrier, the bottom of the wall is on grade, the top of the wall is not less than 48 inches (1219 mm) above grade for the entire perimeter of the pool, the wall complies with the requirements of Section 305.2 and the pool manufacturer allows the wall to serve as a barrier.
 - 2. Where a barrier is mounted on top of the pool wall, the top of the barrier is not less than 48 inches (1219 mm) above grade for the entire perimeter of the pool, and the wall and the barrier on top of the wall comply with the requirements of Section 305.2.
 - 3. Ladders or steps used as means of access to the pool are capable of being secured, locked or removed to prevent access except where the ladder or steps are surrounded by a barrier that meets the requirements of Section 305.
 - 4. Openings created by the securing, locking or removal of ladders and steps do not allow the passage of a 4-inch (102 mm) diameter sphere.
 - 5. Barriers that are mounted on top of on-ground *residential* pool walls are installed in accordance with the pool manufacturer's instructions.
- Pools shall have an alarm that emits a sound of at least 50 decibels when a person or an object weighing 15 pounds (6.8 kg) or more enters the water in a swimming pool is installed and in working order. *Exception:* Hot tubs and portable spas shall be exempt from this requirement (323.4)

Electrical

- Receptacles that provide power for water-pump motors or other loads directly related to the circulation and sanitation system shall be permitted to be located at least 6 feet from the inside walls of pools, outdoor spas and hot tubs. These receptacles shall have GFCI protection and be of the grounding type. (NFPA 70 – 680.22(A)(2))
- Receptacles are not located within 6 feet of the inside wall of the pool, spa or hot tub. To determine distance, measure the shortest distance the supply cord of an appliance connected to the receptacle would follow without piercing an effective barrier. (NFPA 70 – 680.22(A)(3))

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- No fewer than one 125-volt, 15 or 20 amp receptacle supplied by a general-purpose branch circuit shall be located not less than 6 feet from, and not more than 20 feet from the inside wall of permanently installed pools and outdoor spas and hot tubs. (NFPA 70 – 680.22(A)(1))
- All electrical equipment shall be protected by ground-fault circuit interrupters and all receptacles located within 20 feet of the inside walls of pools and outdoor spas and hot tubs shall be protected by a ground-fault circuit-interrupter. (NFPA 70 – 680.32)
- The parts of pools, spas, and hot tubs shall be bonded together using insulated, covered or bare solid copper conductors not smaller than 8 AWG. (NFPA 70 – 680.26(B))
- The interior of enclosures or raceways installed underground shall be considered to be a wet location. Insulated conductors and cables installed in these enclosures or raceways in underground installations shall be listed for use in wet locations. (NFPA 70 - 300.5 & 310.10(B))
- A receptacle installed outdoors in a location protected from the weather or in other damp locations shall have an enclosure for the receptacle that is weatherproof when the receptacle is covered. (NFPA 70 – 406.9 (A)).
- Receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. (NFPA 70 – 406.9(B)).

Important Notice

Pools shall be reasonably protected from entry, during the construction of the pool, with the use of temporary fencing or other means, as applicable, until the finished guards are installed.

No pool shall be used until a Certificate of Approval has been issued by the Building Department.

Any person who violates these provisions of the Code could be subject to fines not less than two-hundred (\$200) and not more than one thousand dollars (\$1,000) or imprisoned not more than six (6) months **or both**, pursuant to Section 29-254a, Connecticut General Statutes.

General Notes:

- This checklist is intended for use to prepare for a Building Department Final Inspection. This is only a general list and is not intended to address all possible conditions. Additional approvals may be required by Uncas Health.
- Additional information can be obtained at the Norwich Building Department or at www.norwichct.org
- Based on 2021 International Swimming Pool and Spa Code (ISPSC) and 2020 NFPA 70 portions of the 2022 CT State Building Code



ADDITIONS, DECKS, GARAGES, SHEDS, AND POOLS

Prior to putting an addition onto your home, installing an in-ground or above-ground swimming pool, or building a deck, garage or storage shed, approval is required from the Uncas Health District if you have a septic system. Section 19-13-B100a of the CT Public Health Code sets the conditions under which the District can approve the above construction.

A plot plan must be submitted which shows the exact location of your home, septic system, well and what you propose to build. Dimensions and separating distances must also be included. If you are adding an addition to your home, floor plans of the existing house and the proposed house, with all rooms labeled, must also be submitted.

The Health Code requires that before the District can approve any of these plans, there must either be a septic system on your property which meets all of the current regulations, or, there must be an area in which such a septic system could be installed if needed. In order to determine this, the District must examine records of test holes and percolation tests. If this information is not available, testing must be done before the District can approve or deny the proposal.

In addition, all the required separating distances to the septic system must be met. These distances include 10 feet to an above-ground pool; 25 feet to an in-ground pool; 5 feet to a deck; 5 feet to a storage shed or garage; 15 feet to an addition, provided there are no footing drains. If footing drains are provided, the separating distance to the septic system increases to 25 feet.

These regulations are necessary to ensure that if your septic system has to be replaced, there is an adequate area in which to install a proper system. If there is not enough area, the flow of water from your house may have to be reduced, and things such as washing machines and dishwashers may have to be eliminated.

Revised 6/2/2006

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Internet: www.uncashd.org



APPLICATION TO CONSTRUCT AN ADDITION, DECK, POOL OR GARAGE OR TO CHANGE THE USE OF A BUILDING

Owner's Name: _____ Phone Number: _____

Owner's Address: _____

Email address: _____

Property Address: _____ Town: _____

No. of Bedrooms Existing: _____ No. of Bedrooms after renovation/addition: _____

Request approval to:

Construct an addition: Number of rooms: _____ Size of addition: _____

Use of addition: _____

Construct a deck: Size of deck: _____

Construct a shed: Size of shed: _____ Type of foundation: _____

Install a pool: In-ground Above-ground Size of pool: _____

Construct a garage: Size of garage: _____

Other: Description and dimensions: _____

Change the use of the building or rooms in the building: Description of change: _____

Review Fee \$50.00 _____ Site Investigation Fee \$75.00 _____ Total Fee \$ _____

Fee Paid \$ _____ Cash ___ Credit Card ___ Check # _____ Receipt # _____ Date: _____

- * A plot plan showing the location of the existing building, any proposed additions, decks, garages, pools, etc., the septic system and the well must be submitted.
* For an addition, a floor plan of the existing house and the proposed addition must also be submitted.
* If test hole and percolation test data is not available, then a test hole(s) must be dug and a percolation test performed.
* If the exact location of the septic tank & leaching field is not available, the owner must have them located, if deemed necessary, to ensure that all separating distance requirements are met.

Owner's or Agent's Signature: _____ Date: _____

Pool Owner's Agreement (Must be signed by property owner)

As owner in fee of the property listed on this application, I recognize the serious safety issues associated with pool ownership. I agree to fully comply with the following requirements:

1. To comply with all applicable Connecticut State Building Code and General Statute requirements governing pools, including the following:
 - Safety barriers, gates, fences, etc.
 - National Electric Code requirements for bonding, grounding, lighting, and branch circuit wiring.
 - International Energy Conservation Code requirements for pool heaters, time clocks, and pump.
 - Water motion pool alarm compliant with the requirements of C.G.S. 29.265a.
2. To notify the Building Department at the time of application if I have a septic system or well at the time of application.
3. To provide a temporary barrier to prevent access to the pool during construction while the pool, deck, permanent barrier, etc. is constructed.
4. To call the City of Norwich Building Department for all required inspections, as indicated below.
5. To call the City of Norwich Building Department to schedule a final inspection upon completion of all code requirements.
6. Not to use my pool until a Certificate of Approval has been issued by the City of Norwich Building Department.
7. To keep my pool barrier in compliance with applicable Connecticut State Building Code and General Statute requirements. Any repairs or replacements to my pool barrier, gates, or alarms, shall be done through building permit.

I have read, understood, and agree to the above listed requirements of pool ownership:

Property Owner's Signature: _____ **Date:** _____