

**BOONE COUNTY BUILDING DEPARTMENT**  
**ACKNOWLEDGEMENT OF SWIMMING POOL/HOT TUB**  
**REQUIREMENTS**

PERMIT #: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

I hereby acknowledge that I have read the attached information about code requirements for in-ground swimming pools as required by the 2013 Kentucky Building Code/Kentucky Residential Code.

- **NOTE: All pool and spa circulation systems shall be equipped with vacuum relief to protect against entrapment at the suction outlet per ASME A112.19.17, or ASTM PS 010-03, or approved gravity drainage system that does not contain a source of entrapment suction at the outlets.**  
***The Virginia Graeme Baker Pool and Spa Safety Act***  
121 STAT. 1794 PUBLIC LAW 110-140—DEC. 19, 2007

We understand and agree to comply with all swimming pool regulations, regardless of any contractual obligations between the parties.

\_\_\_\_\_  
OWNERS SIGNATURE

\_\_\_\_\_  
CONTRACTOR SIGNATURE

\_\_\_\_\_  
PRINT OWNER NAME

\_\_\_\_\_  
PRINT CONTRACTOR NAME

\_\_\_\_\_  
DATE

\_\_\_\_\_  
DATE

*State of Kentucky*  
*County of Boone*

*Subscribed and sworn to before me by the PROPERTY OWNER, \_\_\_\_\_,*  
*on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.*

\_\_\_\_\_  
*NOTARY PUBLIC – STATE AT LARGE*  
*My commission expires: \_\_\_\_\_*

=====  
*State of Kentucky*  
*County of Boone*

*Subscribed and sworn to before me by the CONTRACTOR, \_\_\_\_\_,*  
*on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.*

\_\_\_\_\_  
*NOTARY PUBLIC – STATE AT LARGE*  
*My commission expires: \_\_\_\_\_*

**BOONE COUNTY BUILDING DEPARTMENT**  
**REQUIRED DOCUMENTATION FOR POOL PERMITS**

The following documents **must be completed and provided at time of application** for the installation of a swimming pool.

1. Residential Building Permit **Application** - for residential pools.  
Commercial Building Permit **Application** - for commercial (public) pools.
2. Owner/Contractor **Acknowledgement of Swimming Pool Requirements.**
3. **Plot plan** approved by the Boone County Planning Commission
4. Contractor shall provide a copy of a current and valid Boone County or City of Florence **Occupational License.**
5. Contractor shall provide proof of Kentucky **Workers Compensation insurance,** or sign a Waiver for insurance if contractor is the sole employee.
6. **Name of the Electrician** – KY Licensed Electrician; or if owner is installing the electric, a Homeowners Electric Affidavit is required.
7. **Cross section of pool** showing all water depths, floor and wall slopes, dimension and height of diving board above water line (if applicable).  
*See attached for detail examples.*
8. Please provide **detailed plans of the pool circulation system** demonstrating compliance with 2013 KBC Section AG106: Entrapment Protection for Swimming and Spa Suction Outlets.
9. Due to the care and maintenance concerns associated with circulation systems including suction outlets and covers, applicant shall submit a written method or drawing of the **vacuum relief system/method of entrapment** designed in accordance with ASME/ANSI A112.19.8.
10. **Complete details of pool enclosure.** Drawing must include type of fencing, height and details of openings. *See attached for detail examples.*

NOTE: Building permits for in-ground pools are required by the **2013 Kentucky Residential Code.**



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2950 WASHINGTON STREET • P.O. BOX 900 • BURLINGTON, KENTUCKY 41005  
(859) 334-2218 • FAX (859) 334-3137

## **GENERAL REQUIREMENTS FOR RESIDENTIAL INGROUND POOLS**

This document, will become part of the application for permit. The requirements on this document will take precedence over any discrepancies within the documents. All items shall be checked, and the signature of the Pool Contractor and Owner on page 1 indicates agreement with all of the stated requirements.

The following items are supplemental construction notes provided by, the Boone County Building Department based on the minimum requirements of the 2013 Kentucky Residential Code (Appendix G) for construction of inground pool.

- The manufacturer's specifications and installation instructions for the type of inground pool being installed shall accompany the submittal of the building permit application. All pools shall be installed in strict accordance with the manufacturer's specifications and installation instructions as adjusted for field conditions.
- The regrading of the site for the installation of the inground pool shall be accomplished in a manner to maintain the finish elevations of the adjoining properties and preserve the existing drainage patterns so that stormwater is not redirected unto adjoining properties in new locations.
- Retaining walls having an unbalanced fill height of over 4 ft., surcharge loading on the high side of the wall (driveway, pool, etc.) and/or supporting a finish grade steeper than 3:1 slope are not included as part of this building permit application. If the installation of the inground pool requires the construction of a retaining walls (s) meeting one of the aforementioned criteria: A separate building permit application will be required prior to the start of construction of the retaining wall (s).
- All exterior walks, decks (patios), stairs, and /or landings associated with the pool installation within 2 feet and on the high side of a retaining wall that is 30" or greater above adjacent finished grade will require a 36" high guardrail.
- All pool and spa circulation systems shall be equipped with vacuum relief to protect against entrapment at the suction outlet per ASME A112.19.17, or ASTM PS 010-03, or an approved gravity drainage system that does not contain a source of entrapment suction at the outlets. Per the Virginia Graeme Baker Pool and Spa Act 121 STAT.1794 Public law 110-140— December 19,2007
- All inground pools require an enclosure surrounding the pool area sufficient to make the body of water inaccessible to small children. These enclosures, including the gates, shall be not less than 48" inches in height 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. Openings in the barrier shall not allow the passage of a 4" diameter sphere. All gates shall be self-closing and self-latching with all latches placed on the inside of the enclosure high enough to render the gate inoperable by a small child. Pedestrian access gates shall open outward away from the pool. Pool enclosures shall follow Barrier requirements per 2013 KBC Section AG105.
- Installation of the inground pool shall maintain proper clearance from any private or public utility easements (e.g., underground gas & electric lines, water lines, sanitary sewer lines, etc.) and from any private or public drainage easements.
- All electrical work associated with the inground pool installation shall have an electrical permit and be inspected by (and approved) by The Electrical Inspector.
- Inspections that are required: Electric bonding inspection, Electrical backfill inspection, final electrical inspection, and final building inspection.
- Where a wall of a dwelling serves as part of the barrier, one the following conditions shall be met: The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346, Doors with direct access to the pool through that wall shall be equipped with an alarm which 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 above the threshold of the door; or Other means of protection, such as self-closing door with self-latching



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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 described herein.

**PUBLIC SWIMMING POOL SPECIFICATIONS**

- Approval is required from the Kentucky Cabinet for Human Resources (Health Department) for all public swimming pools (859-341-4246).
- Approval is required from the Kentucky Division of Plumbing for all public swimming pools (859-573-0397)
- Approval is required from the Kentucky Office of Housing, Buildings and Construction for public pools where the property is under State Jurisdiction (5 02-573-0373)

**REQUIRED INSPECTIONS**

1. **ELECTRIC BONDING INSPECTION** must be performed on all swimming pools.
2. In-ground pools must be also receive an **ELECTRIC BACKFILL INSPECTION**.
3. Any **ELECTRICAL WIRING INSPECTION** associated with pool lights or pumps shall be inspected and installed in compliance with the 2014 National Electrical Code.
4. **FINAL ELECTRIC INSPECTION** shall be performed on the pool when electric installation is complete.
5. **A FINAL BUILDING INSPECTION** from the Building Department is required before using the pool. (859-334-2218).

Electric Inspections

859-746-9111

**DISCLAIMER: This worksheet highlights specific sections of the 2013 Kentucky Residential Code in order to facilitate plan submission. It is not intended to be a complete summary of that document.**

## APPENDIX G SWIMMING POOLS

### SECTION AG102 DEFINITIONS

THE FOLLOWING DEFINITIONS AS THEY APPEAR IN THE 2012 IRC ARE HEREBY DELETED IN THEIR ENTIRETY:

ABOVE-GROUND/ON-GROUND POOL  
HOT TUB  
SPA, NONPORTABLE  
SPA, PORTABLE

THE FOLLOWING DEFINITION AS IT APPEARS IN THE 2012 IRC IS HEREBY DELETED IN ITS ENTIRETY AND REPLACED WITH THE FOLLOWING:

SWIMMING POOL. Any in-ground structure intended for swimming or recreational bathing that contains water more than 24 inches (610 mm) deep.

### **SECTION AG105** **BARRIER REQUIREMENTS**

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

**AG105.2 Outdoor swimming pool.** An outdoor in-ground 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 4 inches (102 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 the 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 24 inches (610 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 3/4 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches (44 mm) in width.

Exception: When intermediate horizontal members are located 34 inches (864 mm) or more above grade, the spacing between vertical members shall not exceed 4 inches (102 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 24 inches (610 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 3/4 inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 2 1/4-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 3/4 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 3/4 inches (44 mm).
8. Access gates shall comply with the requirements of 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~~48 inches (1219 mm) above grade, 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 (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;
  - 9.2. Doors with direct access to the pool through that wall shall be equipped with an alarm which 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
  - 9.3. 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.

**AG105.6 Locations.** Private swimming pools shall not encroach on any front or side yard required by this code or by the governing zoning laws, unless in accordance with specific rules of the jurisdiction in which the pool is located. A wall of a swimming pool shall not be located less than 6 feet (1829mm) from any rear or side property lines or 10 feet (3048mm) from any street property line, unless in accordance with the specific rules of the jurisdiction in which the pool is located.