



## ♦ **SWIMMING POOL INSPECTION PROCESS** ♦

All swimming pools, spas, and hot tubs shall be installed per the City of Brentwood Code of Ordinances and the *International Swimming Pool and Spa Code*.

### **ROUGH-IN:**

- The temporary wire fence-barrier protection or permanent fence shall be installed at the excavation stage. **No test filling of the pool shall be permitted prior to the erection of a protective fence.**
- The pool permit holder shall contact the City of Brentwood - Planning and Codes Department's Inspection Request Line at (615) 661-7077 to request a "fence / pool safety barrier inspection". The State Electrical Inspector will not complete the \*\*bonding inspection until our office has approved the permanent or temporary fence-barricade. Where special conditions exist, the area inspector will determine minimum fence-barrier requirements prior to bonding inspection. Any temporary barriers allowed by the building inspector must be maintained until the permanent barrier is 100% complete.
- Concealed/Underground plumbing piping shall be tested with water (no air test allowed on plastic piping) to the highest point of the system. Two tests may be required; one prior to backfill and a second occurring concurrent with State Electrical bonding inspection. (ISPSC/302.4). Valves installed in or under any deck shall be provided with access for maintenance. (ISPSC/306.8)
- Potable water supply shall be designed, installed and maintained to prevent contamination. (2012 - ISPSC/318);
- State Electrical Inspection; prior to concealment-bonding/grounding;
- Verify pool and proposed apron location is within the building envelope and not located in a Public Utility Drainage Easement. (PUDE) A survey may be required by a registered surveyor if the pool structure and apron is within close proximity.

### **A Final Inspection and Certificate of Completion is required prior to the occupancy of any new pool:**

- Prior to occupancy, all requirements from the City of Brentwood - Planning & Codes Department, and the State Electrical Inspector / State Fire Marshal's Office shall be satisfied. The fence / pool enclosure shall be 100% completed to receive a Final Inspection and a Certificate of Completion;
- \*\*All electrical and low voltage inspections are completed through the State of Tennessee / State Fire Marshal's Office. The City of Brentwood furnishes office space for the State of Tennessee representatives for the convenience of residents, builders and contractors. Sharon Costa, (615-577-6160) is the State Electrical Permit Clerk, issuing all electrical and low voltage permits. Her office is located within the City of Brentwood Planning & Codes offices, with hours of operation from Monday through Friday, 8 a.m. to 12 p.m.;
- After obtaining a permit, it is the responsibility of the permit holder to contact the inspector to arrange a bonding inspection. The State Electrical Inspector (615-577-6161) can be reached, Monday thru Friday 8 a.m. – 9 a.m. to consult or to arrange an electrical inspection;

- Final inspection and approval from the State Electrical Inspector;
- Top of barrier shall not be less than 48" above grade, 2" maximum clearance between grade and bottom of barrier, vertical distance between solid surface below (concrete) and bottom of barrier not to exceed 4"; (ISPSC-305)
- A wall of a dwelling unit or structure used as part of the barrier must comply with the requirements per ISPSC-305.4); Where a wall of a dwelling or structure serves as part of the barrier and operable windows with a sill height of less than 48 inches that provide direct access to the aquatic vessel through the wall, shall be equipped with one or more of the following. Option (1) an audible alarm-all opening, (2) a safety cover or (3) an approved means of protection such as self-closing doors with self-latching devices, provided the degree of protection is not less than the protection afforded by items 1 & 2;

## Door Alarms

All doors that allow access to a swimming pool should be equipped with an audible alarm which sounds when the door and/or screen are opened. Alarms should meet the requirements of *UL 2017 General-Purpose Signaling Devices and Systems, Section 77* with the following features:

- Sound lasting for 30 seconds or more within 7 seconds after the door is opened.
  - The alarm should be loud: at least 85 dBA (decibels) when measured 10 feet away from the alarm mechanism.
  - The alarm sound should be distinct from other sounds in the house, such as the telephone, doorbell and smoke alarm.
  - The alarm should have an automatic reset feature to temporarily deactivate the alarm for up to 15 seconds to allow adults to pass through house doors without setting off the alarm. The deactivation switch could be a touchpad (keypad) or a manual switch, and should be located at least 54 inches above the threshold and out of the reach of children.
- Gate and latch requirements per ISPSC/305.3 & 305.3.3. *\*\*\*Note: Pedestrian access gates shall open outward away from the pool or spa AND shall be self-closing and shall have a self-latching device. A pedestrian gate must have a hard surface material installed to eliminate disruption of the self-closing hardware. Length & width of hard surface shall not be less than the width of pedestrian gate;*
  - Suction entrapment avoidance shall be provided in accordance with APSP-7. Checklist for Identifying Suction Entrapment Hazards must be completed with application or a professional engineer confirming compliance to APSP-7. (THERE SHALL NOT BE OBSTRUCTIONS THAT CAN CAUSE THE USER TO BE ENTRAPPED OR INJURED);
  - Recessed treads shall be provided with a handrail or grab rail on each side of the treads. The clear distance between handrails and grab rails shall be not less than 17 inches and not greater than 24 inches. (2012 - ISPSC/322.4.3).