RESIDENTIAL POOLS
( water level above 24 inches )

Hobart Building Department  414 Main Street  219-942-1722

A Building Permit shall be obtained by the contractor/person installing the pool prior to installing it.

1. A copy of the plat of survey showing the location and size of the pool and deck, if any and the distance away from other structures, utility lines, property lines, easement, and septic system if applicable.
2. Submit details of the type of security fencing proposed or existing (either self-contained fencing on the pool or a perimeter fence around the yard).
3. A completed pool application form including the name of the contractor or person who will perform the work.
4. Approval letter from Homeowner Association if applicable.

Building Permits require a minimum of five (5) working days to process.
You will be notified by phone/email when the permit is ready. A building permit shall be paid in full before it is issued.

Requirements for above ground pools:
1. Above ground pools over twenty four inches (24") tall and less than forty-eight tall (48") shall have a barrier enclosure at least forty-eight inches tall (see handout). The height of the pool wall may be included as part of the four (4) foot barrier requirement.
2. The pool cannot be located within six (6) feet of a side or rear yard property line, on an easement, and shall be a minimum of six (6) feet from all structures (house, shed, garage, etc.).
3. A pool shall not be installed over an underground gas or electrical lines. Electrical lines cannot be above a pool and shall be a minimum of ten (10) feet above a deck if applicable.
4. Pool filter shall be a minimum of five feet from the outside edge of the pool (to prevent children from climbing on it to enter the pool)
5. Decks attached to a dwelling and is used to gain entrance to a pool shall have an 48" high barrier with lockable gate at the edge of the pool or door alarm (section AG105.2 (9.2)
6. All stairway to a pool deck shall comply with AG105.2 (2)
7. Gate latches must be mounted 54" from grade or mounted on the pool side of the gate a minimum of 3’ from the top of the gate (AG105.2 (8&8.1)
8. Electrical Lines must be a minimum of 10’ away horizontally from inside wall of pool.
   Clearance in any direction of the water level, edge of water surface, base of diving platform, or permanently anchored raft must be a minimum of 22.5 feet. (2008 NEC Table 680.8)

Requirements for in-ground pools:
1. Enclosed by a forty-eight (48") or greater barrier or a powered safety cover in compliance with ASTM F 1346
2. Doors with direct access to the pool through that wall shall be equipped with an door alarm AG105.2 (9.3)
3. The pool cannot be located within six (6) feet of a side or rear yard property line, on an easement, and shall be a minimum of six (6) feet from all structures (house, shed, garage, etc.).
4. ELECTRICAL CODE for in-ground and above ground pools can be found on the internet under (National Electrical Code (2008) Article 680.) or you can select the following for an illustrated guide (PDF) Mike Holt illustrated guide article 680 swimming pool, Spas, Hot tubs,

SEE ATTACHMENTS: BARRIER/FENCING AG105.2 (105.2 (1) THRU 105.2 (10.2)
2008 NATIONAL ELECTRICAL CODE
BARRIER/FENCING REQUIREMENTS

AG105.2 Outdoor swimming pool. An outdoor 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 2 inches (51 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). Any section of a pool that has been buried requires a barrier to be added to maintain the minimum height of 48”.

2. Openings in the barrier shall not allow 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 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 13/4 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 13/4-13/4 inches (44 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 45 inches (1143 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 13/4 inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 2 1/4 inches (63.5 mm) square.

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 13/4 inches (44 mm).

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 (1372 mm) from the bottom of the gate, 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; or
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 above.

10. Where an above-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:

10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or

10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.

**AG105.4 Prohibited locations.**
Barriers shall be located to prohibit permanent structures, equipment or similar objects from being used to climb them.
1. No direct burial cable permitted. Metal or PVC conduit system is required outside the dwelling unit.

2. Minimum filter motor attachment cord size #12 AWG.

3. Minimum ground wire size #12 AWG.

4. 20 Ampere locking type receptacle required for filter motor for above ground pools located at a minimum of 6 feet from pool wall. This receptacle shall be ground fault protected and shall employ an “In-Use” cover. This circuit shall be dedicated to the filter motor and shall have no other devices connected.

5. A convenience receptacle shall be located between 6 feet and 20 feet from the pool wall, shall be ground fault protected and may be connected to a routine circuit in the dwelling.

6. All metal parts within 5’ of the pool (fences, Bilco doors lamp posts etc.) must be included within the bonding grid described in #11 of this handout.

7. The filter motor may be “hard wired” but a disconnecting means is required and with-in sight of filter. Ground fault protection is required.

8. Burial Depth is routinely 18” for conduit.

9. Unless a pool light is present, any approved wiring method within the dwelling is approved for use as the feeder to the pool equipment but must be changed over to conduit once this wiring leaves the dwelling unit. If a pool light is installed, a conduit system is required from the service panel board and a green insulated ground wire is required to be installed in the conduit with the circuit conductors, typically black, white, & green THWN. Cable is not permitted to be installed in the conduit.

10. All wiring installed in a common conduit system must either be Ground Fault protected or not. Do not intermix these two types of wiring protection.

11. A # 8 solid copper bare wire is required to be installed to follow the entire circumference of the pool, at a depth of 4 to 6 inches below finished grade, at a distance of 18 to 24 inches from the inside wall of the pool. This bond wire must attach to the pool frame at 4 equidistant points using a direct burial lug fastened to the frame with either a galvanized or stainless steel nut and bolt. This bond wire must also pass through the lug provided by the manufacturer on the pool filter pump motor

12. Bond pool water as per NEC Article 680.26(C).


14. For Spas and Hot Tubs refer to NEC article 680.

15. Pool circuits shall be identified in the circuit breaker panel.

16. Any perimeter surface within 3 feet of the contour of the pool requires the installation of an equipotential bonding grid. (See Article 680.) This rule also applies to inground pools and hot tubs.

17. Electrical Lines must be a minimum of 10’ away horizontally from inside wall of pool. Clearance in any direction of the water level, edge of water surface, base of diving platform, or permanently anchored raft must be a minimum of 22.5 feet. (2008 NEC Table 680.8)

18. Consider hiring a Licensed Electrical Contractor.