The area of all structures on the lot, including swimming pools, garages, raised decks, sheds, and the residence, may not exceed 30% of the lot area in the R-2 Zoning District or 35% in the R-3 Zoning District. The amount of green space, landscaped area must be a minimum of 50% of the area of the lot.

The pond, pool, hot tub or any attachments (deck, filter, etc.) must be:

a. Located at least 6 feet from any side and rear lot line, except that double frontage lots must provide a 10 foot rear yard setback.

b. A pond, pool, hot tub or any attachments thereto must not extend into the corner side yard.

A fence is required if the pond, pool, or hot tub is 24 inches or more in depth. The following are alternatives:

a. A fence at least 48 inches in height, which surrounds the pond, pool, hot tub, or the entire yard without any breaks (except for lockable gate) (See attached Barrier Requirements for Swimming Pools, Spas, and Hot Tubs for additional requirements.);

b. A hot tub with a lockable cover need not be enclosed by a fence;

c. The pool may be constructed with a self-contained fence if the fence is 30 inches or more in height AND the overall height is 6 feet OR MORE above the ground;

d. The hot tub may be located on a patio or deck with a self-contained fence if the fence is 30 inches or more in height and the overall height is 48 inches OR MORE above the ground. A lockable cover may substitute for a fence or barrier;

e. Planting material may not be used as a substitute for a fence.

Any ladders used in conjunction with the pool shall be completely removed or swing up and locked when not in use.

The pool shall be equipped with a cover when not in use for prolonged periods or during the off-season.

The pool shall not be located within 18 feet vertically and 10 feet horizontally of any overhead ComEd wiring or within 5 feet horizontally to underground ComEd wiring. (Contact J.U.L.I.E., 1-800-892-0123, for utility locations.)

The pool filter and pumps shall be equipped with a ground fault interrupter.

***Note: For life safety reasons, pools must be located in strict adherence to the above-specified distances.

In-ground pools must meet additional code requirements and require additional inspections. Contact the Building Division 630/226-8470.

Inspection required following installation. Minimum 48-hour notice on all inspections. Call 630/226-8470 to schedule inspection.

To obtain a permit, please submit the following:

1. The complete permit application.
2. A current plat of survey indicating the location of all existing site improvements plus the proposed pond, pool, or hot tub and the distance from lot lines; the location of the filter system and ground fault interrupter; the location of utility lines and the type; distance from ComEd line, height and location of existing or proposed fences. A typical plat of survey is attached and is provided for descriptive purposes only.
3. J.U.L.I.E. confirmation number. (Please leave the J.U.L.I.E. marking in place as along as possible.)
4. Brochures or diagrams illustrating details of the type of pool, filter and any self-contained fence or deck.
5. If the pond, pool, or hot tub must be located on an easement, letters from all utility companies granting permission to encroach on the easement(s) must be submitted along with the permit application. (A list of utility company contacts is available at the Community Development Department.)
6. Homeowner's Association permission, if applicable.
7. FEE: $ 75.00 (Above ground pool, pond, or hot tub)
   $165.00 (In ground pool)
   Additional fees may apply. Fee must be paid when application is submitted.

All contractors must be currently registered.

Placement/Lot Coverage Questions: Planning & Zoning Division 630/226-8480
Construction/Permit Questions: Building Division 630/226-8470

Please note: Processing time is 10-15 business days; however, if the application is incomplete the review time may be longer.

BOLINGBROOK PUBLIC SERVICES & DEVELOPMENT DEPARTMENT 630/226-8460
ELECTRICAL
Swimming Pools:
No receptacles are allowed within 10 feet of the inside walls of the pool; with the exception that one single, locking, GFI protected receptacle may be installed between 5 and 10 feet of the pool for the purpose of providing power to the pool pump motor.

Any receptacle located within 20 feet of the pool must be GFI protected.

Lighting fixtures or lighting outlets shall not be installed over the pool, or area 5 feet wide surrounding the pool, unless they are 12 feet or more above the maximum water level.

Lighting fixtures and lighting outlets located within 5 to 10 feet of the inside walls of the pool must be GFI protected unless they are 5 feet or more above the maximum water level, and rigidly attached to a permanent structure.

All switches must be located at least 5 feet away from the inside walls of the pool.

No overhead wiring shall be allowed over the pool or within 10 feet of the pool unless it is twenty-two and one-half (22 ½) feet or more above the maximum water level.

No underground wiring (except that serving the pool equipment) shall be located under the pool or within 5 feet of the pool.

Underground wiring may be rigid or IMC conduit six (6") burial depth, no exceptions.

All metal parts of the pool, installed pool equipment, electrical conduit, and fixed metal parts within 5 feet horizontally from the inside walls of the pool and 12 feet above the maximum water level, shall be bonded together with a copper wire of the size no less than #8 AWG. BARE SOLID COPPER CONDUCTOR.

Spas and Hot Tubs:
All outside spas and hot tubs shall follow the same electrical requirements of swimming pools.

Inside installations are governed by the following requirements:

All receptacles and switches shall be a minimum of 5 feet from the inside walls of the tub.
At least one receptacle must be located within 5 to 10 feet of the inside wall of the tub.
Any receptacle located within 10 feet of the tub must be GFI protected.
Receptacles that provide power to the tub must also be GFI protected.
Lighting fixtures and lighting outlets over or within 5 feet of the tub must be at least 7½ feet above the maximum water level of the tub and must be GFI protected.

Fixtures, which are rated for damp locations and contain no conductive surfaces, may be installed less than 7½ feet above the tub, if they are GFI protected.

Any fixture located 12 or more feet above the tub need not be GFI protected.

The metal parts of the tub, tub equipment, electrical conduit, and any metal surfaces and additional electrical devices or controls located within 5 feet of the inside wall of the tub shall be bonded together with a copper wire of a size no less than #8 AWG. BARE SOLID COPPER CONDUCTOR

The use of a licensed electrician is required unless the homeowner is qualified to do the work and is doing it. Further information on electrical installations may be found in the National Electrical Code.

Barrier Requirements for Swimming Pools, Spas, and Hot Tubs

Section AG102 Definitions
Barrier: A fence, wall, building wall, or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.
Swimming Pool: Any structure intended for swimming or recreational bathing that contains water over twenty-four (24) inches (610 mm) deep. This includes in-ground, above-ground, and on-ground swimming pools, hot tubs, and spas.

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 an in-ground, above-ground, or on-ground pool, hot tub, or spa shall be provided with a barrier which shall comply with the following:

1. The top of the barrier shall be at least forty-eight (48) inches (1219 mm) above grade, and the maximum vertical clearance between 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 two (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 four (4) inches (102 mm).

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 forty-five (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 1 ¾ inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 ¾ 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 forty-five (45) inches (1143 mm) or more, spacing between vertical members shall not exceed four (4) inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 ¾ inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be 2 ¼-inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the opening to not more than 1 ¾ 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 ¾ 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 three 3 inches (76 mm) below the top of the gate, and
   8.2 The gate and barrier shall have no opening greater than 1/2 inch (13 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 F1346; 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 in accordance with UL 2017. The audible alarm shall activate within seven (7) seconds and sound continuously for a minimum of 30 seconds immediately after the door and/or its screen, if present, are opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system 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 fifteen (15) seconds. The deactivation switch(es) shall be located at least fifty-four (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 so 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 then:
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 (102mm) sphere.

**AG105.3 Indoor Swimming Pool.** All walls surrounding an indoor 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 them.

**AG105.5 Barrier Exceptions.** Spas or hot tubs with a safety cover which complies with ASTM F1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.
ARTICLE 7  --  SWIMMING POOL PERMITS AND REGULATIONS

Section 33-701. DEFINITION. For the purpose of the Article, the following terms shall have the meanings herein ascribed to them:

(A) Swimming Pool.  A body of water in an artificial or semi-artificial receptacle or other container at least 24 inches deep and at least 22 feet in perimeter, located indoors or outdoors, above or below the surface of the ground, and designed or used for wading, swimming or bathing.  The definition includes any child’s pool or solid molded plastic of inflated rubber that meets with the above dimensions.

(B) Permanent Swimming Pool.  Any swimming pool whose structural parts are designed to remain in place throughout the year.

(C) Temporary Swimming Pool.  Any pool whose structural parts or linings are designed to be wholly or in part removed and reassembled each year.  Above ground swimming pools, of plastic, metal, or wood construction are considered to be temporary pools for the purpose of this Article.

(D) Private Swimming Pools.  Any swimming pool used or intended to be used in connection with a single family residence or dwelling unit by the family occupying such single family residence or dwelling unit and their guests without payment of any fee.

(E) Public Swimming Pool.  Any Swimming pool available for use by the general public.

(F) Semi-public Swimming Pool.  Any swimming pool not open to the general public and available primarily for use by the members of an association, club, organization or residents of a residential development and their guests.

(G) Pool Depth.  Pool depth is the distance between the floor of the pool and the maximum operating level when the pool is in use.


Section 33-702. BUILDING PERMIT REQUIRED. It shall be unlawful for any person firm, association or corporation to construct, install, enlarge or alter any swimming pool within the Village of Bolingbrook without first having obtained a permit in accordance with the provisions of this Article.

Section 33-703. BUILDING PERMIT APPLICATION. Written application for a swimming pool building permit shall be filed with the Building Commissioner.  Such application shall be verified under oath and shall contain the following information and statements:

(A) Applicant’s name and address.

(B) Address of location of swimming pool which is the subject of the application.

(C) Statement of whether the swimming pool which is the subject of the permit is private, semi-public, or public.

(D) Two sets of working drawings or permanent quality which show the following:
(1) Plot plan locating all buildings, structures, driveways, property lines, overhead and underground wiring, and other descriptive data on the property or within the area. Pool locations are regulated by Section 5-104 or the Village of Bolingbrook Zoning Ordinance.

(2) Proposed location of pool and pool dimensions, various depths and volume in gallons.

(3) Location of recirculation system with size and type of filter shown.

(4) Pool piping layout with all pipe sizes shown, type of materials to be used and the method of filling and draining the pool.

(5) Rated capacity of filtration and backwash flows of the pumps in gallons per minute with the size and type of motor voltage, size, rated capacity of wiring and amount of electrical load to be supplied to the motor or manufacturers specifications.

(6) Piping connections to the water mains and sewers.

(7) Type and location of walk and fence construction.
Electrical Pool information to the 2005 N.E.C.
For Permanently installed pools

10' Minimum to 20' Maximum
680.22(A)(3)

5' Minimum
680.22(A)(1)

If the pool has plastic standards an upper bond wire will be needed if upper ring is metal.

#8 Solid bare copper bonding conductor 680.26(A)(B)

Disconnecting means must be a minimum of 5' from pool.
680.12, 430.102 (There may be a switch on the pump motor. Check your unit.)

Single, twist-lock grounding type receptacle GFCI protected
680.22(A)(1)
And with in-use cover
406.8(B)(1)
See note 2 about GFCI protected

Convenience receptacle GFCI Protected
(There may be a receptacle on the house close enough)
680.22(A)(3)

6" minimum heavy wall conduit or IMC
300.5

Clamp must be stainless steel, brass or copper if heavy wall or IMC is used
680.36(C)

Raceways must be of rigid wall metal conduit, intermediate metal conduit with a #12 insulated copper conductor.
680.21(A)(1)

Grounding. The following Equipment shall be grounded: (1) wet-niche and no-niche underwater lighting fixtures, (2) dry-niche underwater lighting fixtures, (3) all electric equipment located within 5ft of the inside wall of the pool, (4) all electric equipment associated with the recirculating system of the pool, (5) junction boxes, (6) transformer enclosures, (7) ground-fault circuit-interrupters, (8) panelboards that are not part of the service equipment and that supply any electric equipment associated with the pool. 680.6

The equipment grounding conductor shall be sized in accordance with table 250.122 but not smaller than #12 AWG

This should be a continuous green ground wire.

Notes:
#1: All boxes, covers & fittings are W.P. outdoor type & sunlight resistant.

#2 Self-contained unit circuit breaker type, receptacle type (like face-less GFI outlets) or other approved type to the twist-lock outlet. 680.5 Keep in mind GFCI outlets can only protect up to 1.5 hp motors.

#3 All pump motors shall be listed & labeled as per 110.3 (B) UL or equivalent by an approved testing agency to U.S. standards.

Outdoor Spa or Hot Tub 680.42

Shall comply with provisions of permanently installed swimming pools part I and part II of article 680
1. Disconnecting means is required.
2. The grounding wire must be sized to 250.122
3. Liquid tight (seal tight) can only be used up to 6 ft. in length.
680.42(A)(1)
SURVEY OF
LOT IN ........................................
TOWNSHIP 37 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING
TO THE PLAT THEREOF RECORDED AS DOCUMENT 872-570, IN THE
VILLAGE OF BOLINGBROOK, IN WILL COUNTY, ILLINOIS.

underground ComEd utility wiring

cornerside yard area

*NOTE: A minimum separation of 5 feet is required between pool and ComEd underground utility wiring.

EXAMPLE

WEBSTER and ASSOCIATES
LAND SURVEYING AND CIVIL ENGINEERING

PHONES