

VILLAGE OF BARTONVILLE
5912 S. ADAMS STREET
BARTONVILLE IL 61607
309-633-2053

Code - Chapter 18 Article IV

APPLICATION FOR SWIMMING POOL, HOT TUB, SPA - ORD #1537

NAME

ADDRESS

PHONE

COST OF ITEM

* DIMENSIONS IN GROUND OR ABOVE GROUND

- * (1) site plan or drawing showing location of item in the yard is required
- * (2) 6 foot fence around pool or yard is required

Office Use

Type of Item & Date Approved

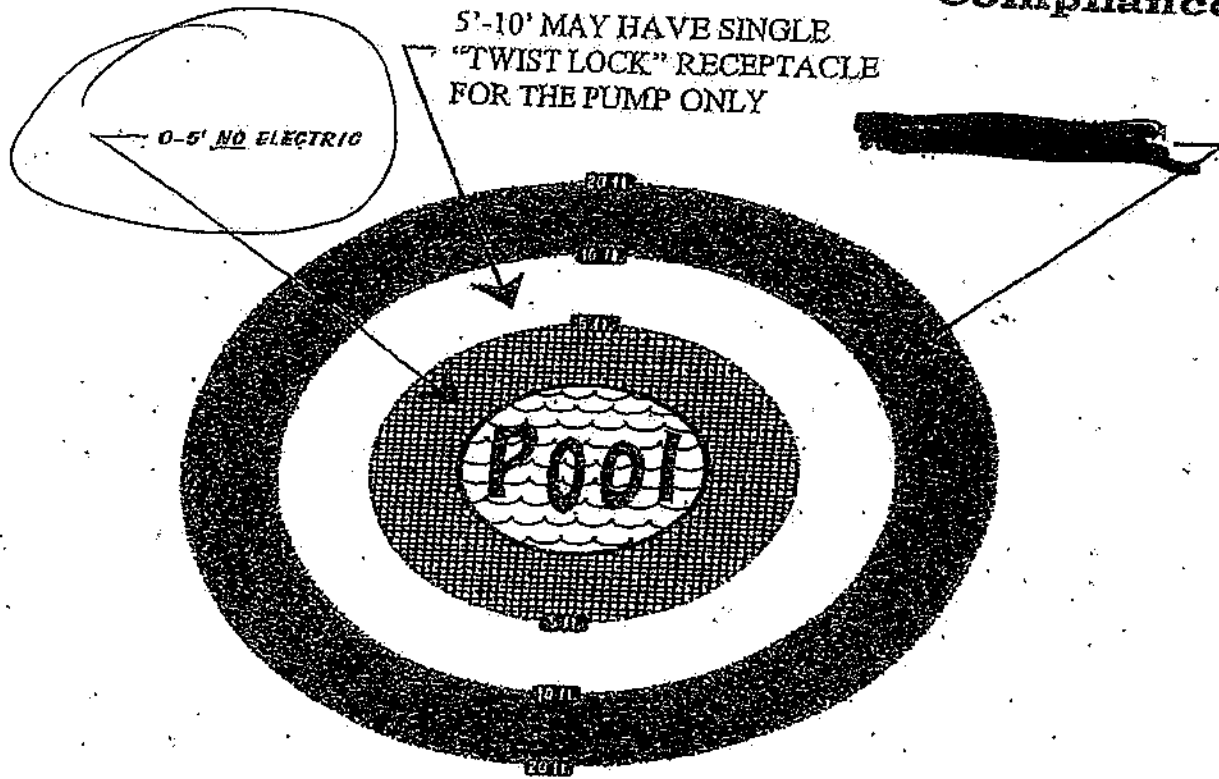
Fee Collected

Permit #

Diagram of a Legal Pool

(REFERENCE)

Swimming Pools and the National Electric Code Compliance



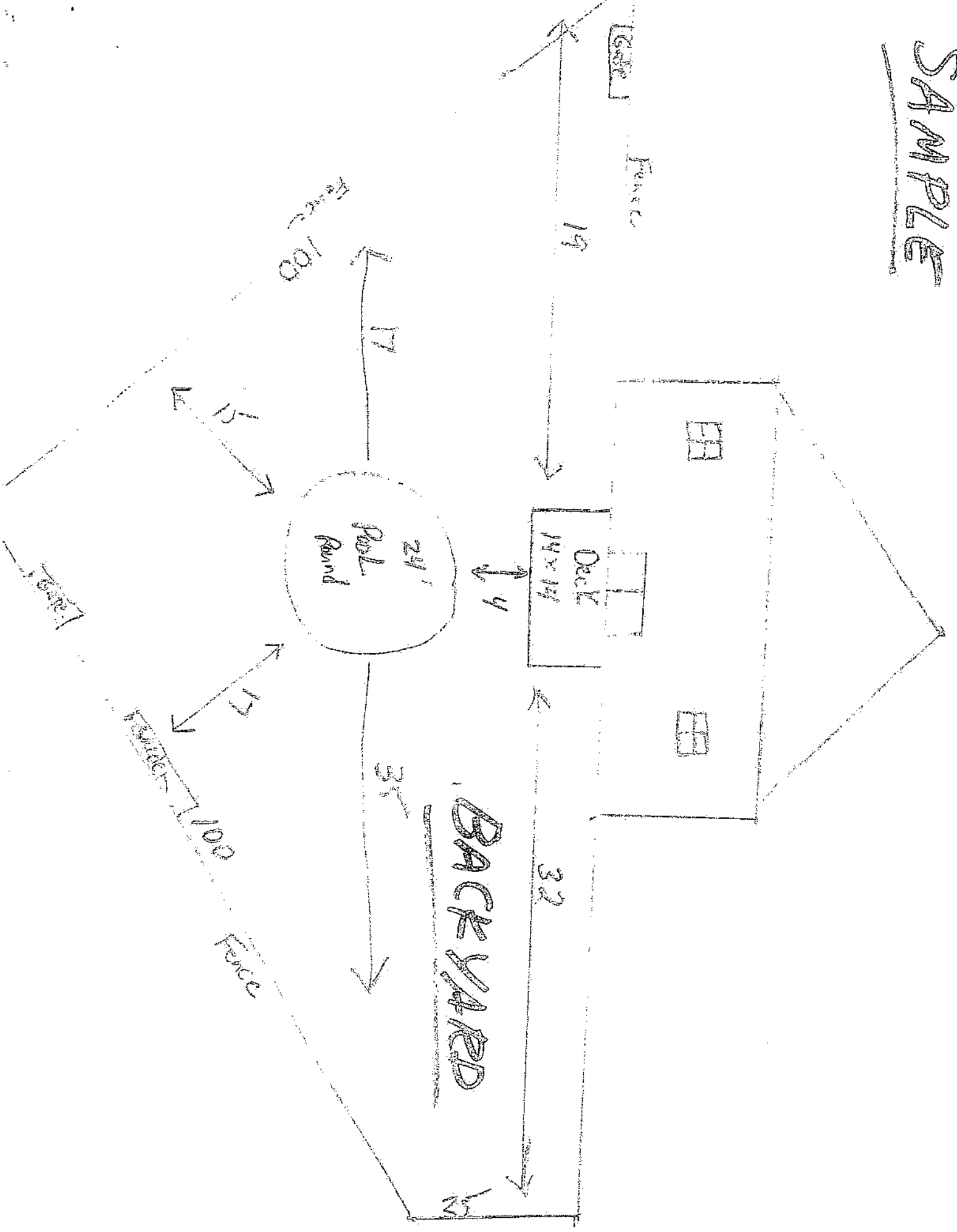
- NOTES:**
1. ~~THE ONLY APPROVED MATERIAL FOR BONDING IS SOLID #8 COPPER WIRE.~~
 2. THE ONLY APPROVED MATERIAL FOR BONDING IS SOLID #8 COPPER WIRE.
 3. ALL RECEPTACLES SHALL BE PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER (G.F.C.I.)

CAUTION: FOR IN-GROUND POOLS, THE BONDING MUST BE INSPECTED BEFORE THE CONCRETE IS POURED.

Underground installation must be in galvanized rigid steel or rigid non-metallic conduit with a minimum #12 THWN

Clearance in any direction to the water level, edge of water surface or base of diving board for overhead conductors is 22-1/2 feet.

SAMPLE



ORDINANCE NO. 1537

VILLAGE OF BARTONVILLE, ILLINOIS

AN ORDINANCE RELATING TO SWIMMING POOLS, SPAS AND HOT TUBS
(Repeal Ordinance No. 476, 499, 813, 1142, and 1252)

WHEREAS, the Village of Bartonville is a home rule municipality in accordance with the Constitution of the State of Illinois, and as such, has the authority to create this Ordinance.

WHEREAS, Section 11-30-9 of the Illinois Municipal Code (65 ILCS 5/11-30-9) also authorizes the Village to prescribe rules and regulations for the construction of swimming pools, spas and hot tubs and to require fences and protective covers for swimming pools, spas and hot tubs; and

WHEREAS, the Village Board of Trustees has determined that it is necessary and in the best interests of the Village and its residents that rules and regulations be established for swimming pools, spas and hot tubs located in the Village.

NOW THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF BARTONVILLE, PEORIA COUNTY, ILLINOIS:

ARTICLE ONE
APPLICABILITY

This Ordinance applies to any structure intended for swimming or recreational bathing that contains water over twenty-four (24) inches (610 mm) deep, except as set forth in Article 7. This includes in-ground, above-ground and on-ground swimming pools, spas and hot tubs.

ARTICLE TWO
GENERAL SWIMMING POOL REQUIREMENTS

Section 2.1: Permit. It shall be unlawful to construct, install, alter, remodel or improve a swimming pool unless and until a permit is obtained from the Village. The fee for such permit shall be in an amount established from time to time by the Board of Trustees.

Section 2.2: Setback. No swimming pool shall be constructed within five (5) feet of the side lot line of any lot. The fence line of any swimming pool shall not be set closer to the front lot line than a line drawn between the houses on either side and adjacent to the lot upon which the said pool is to be constructed. The owner thereof shall be responsible for keeping all weeds and grass mowed and out of said fence line.

Section 2.3: Placement of Pools. All swimming pools shall be constructed in the back of yards.

Section 2.4: Design and Construction. A permit to construct, install, alter, remodel or improve a swimming pool shall not be issued unless the following design and construction requirements are observed, and swimming pools are maintained in conformity with the following:

- A. *Material*: Material used for lining artificial swimming pools shall be light in color, shall be impervious and shall provide a tight tank with smooth and easily cleaned surfaces. Sand and dirt bottoms are prohibited.
- B. *Walls*: The sides walls of the pool shall be vertical to a depth of at least five (5) feet; provided, however, a slope is permitted which shall not be more than one (1) foot horizontal and five (5) feet vertical to a depth of five (5) feet from the top.
- C. *Drainage*: Drain outlet fittings from a pool shall not be directly connected to a sewer line. Drainage shall be by gravity or by pumping or siphoning out into the top of a basin or sump located ahead of the sewer and shall be constructed as to eliminate the possibility of sewage backing into the pool. The water from the pool shall not be drained onto streets or sidewalks or on any other public property, shall not be discharged to the sewer system during periods of rain or storms, and shall not be disposed of in a manner that will cause a nuisance. Pools shall be equipped with facilities for completely emptying the pool and the discharge of the pool water to the sewer shall be at a rate not exceeding 250 gallons per minute.
- D. *Recirculation System*: Pools with a capacity of 1,000 gallons or more shall be equipped with a water recirculation and filtration system. Pools with sand filter equipment shall be capable of affecting one (1) turnover of the pool volume in eighteen (18) hours or less at a rate of filtration not exceeding four (4) gallons per square foot per minute.
- E. *Inlets and Outlets*: Pools of permanent construction shall be provided with filtered water inlet supply fittings installed so as to provide uniform circulation of water throughout the pool without existence of dead spots. The outlet fitting that connects to the recirculation system shall be installed at the lowest point in the pool. It shall be ample in size with a free grating or screen area sufficient to minimize chances of clogging or occurrences of suction dangerous to the safety of bathers. The grating or screen openings shall be such that bathers' fingers or toes will not be caught or injured.
- F. *Overflow Gutters*: Pools shall be entirely surrounded by overflow gutters having necessary pitch to prevent any accumulations, having ample size to carry off normal amounts of water introduced into them and having easy access for cleaning.
- G. *Skimmers*: Skimmers may be permitted in lieu of overflow gutters; provided that they adequately remove floating oils and waste.
- H. *Walkways*: A walk area not less than four (4) feet wide shall be provided to extend entirely around a pool, except in the case of a portable, above-ground installation. The walk area shall be of impervious materials, shall be easily cleaned and have a definite pitch away from the pool edge. At portable, above-ground pools, an area of impervious material four (4) feet wide by about eight (8) feet long shall be constructed around the point where swimmers climb into the pool.

- I. *Steps or Ladders*: There shall be one or more means of egress in the form of steps or ladders, or steps holes at each pool. Steps and ladders must be made of an impervious material, easily cleaned and must be so designed as not to collect water when the water is lowered in the swimming pool.
- J. *Hair and Lint Interceptors*: Hair and lint interceptors shall be installed so that all water drawn from the pool for recirculation shall pass through the hair and lint interceptors before reaching the filter.
- K. *Lighting*: Satisfactory lighting must be provided for all accessory and appurtenant facilities. "Satisfactory lighting" shall be as prescribed by the Village.
- L. *Hose*: Hose connections and hoses must be of ample size and pressure to clean all of the pool area.
- M. *Pollution*: Swimming pools must not be exposed to excessive pollution by smoke, dust, soot or other undesirable substances.

ARTICLE THREE SPAS AND HOT TUBS

Section 3.1: Permit. It shall be unlawful to construct, install, alter, remodel or improve a spa or hot tub unless and until a permit is obtained from the Village. The fee for such permit shall be in an amount established from time to time by the Board of Trustees.

Section 3.2: Permanently installed spas and hot tubs. Permanently installed spas and hot tubs, except as set forth in Article 4 herein, shall be designed and constructed in conformance with ANSI/NSPI-3 as listed in Section AG108 of the 2006 International Residential Code (Standard for Permanently Installed Residential Spas), and shall be installed in back yards only.

Section 3.3: Portable spas and hot tubs. Portable spas and hot tubs, except as set forth in Article 4 herein, shall be designed and constructed in conformance with ANSI/NSPI-6 as listed in Section AG108 of the 2006 International Residential Code (Standard for Residential Portable Spas), and shall be installed in back yards only.

ARTICLE FOUR BARRIER REQUIREMENTS

Section 4.1: Application. The provisions of this Article shall control the design of barriers for 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.

Section 4.2: Outdoor Swimming Pool. An outdoor swimming pool shall be surrounded by a barrier which shall comply with the following:

- A. The top of the barrier shall be at least six (6) feet (72 inches) 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 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 pool structure. When 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).
- B. Openings in the barrier shall not allow passage of a 4-inch diameter (102 mm) sphere.
- C. 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.
- D. 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 sides of the fence. Spacing between vertical members shall not exceed 1 $\frac{3}{4}$ inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 $\frac{3}{4}$ inches (44 mm) in width.
- E. 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 four (4) inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 $\frac{3}{4}$ inches (44 mm) in width.
- F. Maximum mesh size of chain link fences shall be a 2 $\frac{1}{4}$ inch (57 mm) square unless the fence has slats fastened at the top or bottom which reduce the openings to not more than 1 $\frac{3}{4}$ inches (44 mm).
- G. Where the barrier is composed of diagonal members, such as lattice fence, the maximum opening formed by the diagonal members shall not be more than 1 $\frac{3}{4}$ inches (44 mm).
- H. Access gates shall comply with the requirements of this section 4.2, Items (A) through (G), 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 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 opening shall comply with the following:

- i. 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
 - ii. The gate and barrier shall have no opening larger than ½ inch (13 mm) within 18 inches (457 mm) of the release mechanism.
- I. Where a wall of a dwelling serves as part of the barrier, one of the following shall be met:
 - i. The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346 (Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs -- 2006 International Residential Code); or
 - ii. Doors with direct access to the pool through that wall, such as sliding glass doors, 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 (Standard for General-purpose Signaling Devices and Systems -- 2006 International Residential Code). The audible alarm shall active within 7 seconds and sound continuously for a minimum of 30 seconds after the door and/or 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 touch pad or switch, to temporarily deactivate the alarm for a single opening. Deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
 - iii. 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 items (i) or (ii) described above.
- J. Where an above- ground pool structure is used as a barrier or when the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps:
 - i. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
 - ii. The ladder or steps shall be surrounded by a barrier which meets the requirements of this Section 4.2. 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.

4.3: Indoor Swimming Pool. Walls surrounding an indoor swimming pool shall comply with Section 4.2(I).

4.4: Spas and Hot Tubs. All spas and hot tubs must comply with this Article, except that spas or hot tubs with a safety cover which complies with ASTM F 1346 (Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs - 2006 International Residential Code), shall be exempt from the provisions of this Article.

4.5: Prohibited Locations. Barriers shall be located to prohibit permanent structures, equipment or similar objects from being used to climb them.

ARTICLE FIVE
**ENTRAPMENT PROTECTION FOR SWIMMING POOL,
SPA AND HOT TUB SUCTION OUTLETS**

5.1: General. Suction outlets shall be designed to protect circulation throughout any swimming pool, spa or hot tub. Single-outlet systems, such as automatic vacuum cleaner systems, or multiple suction outlets, whether isolated by valves or otherwise shall be protected against user entrapment.

5.2: Suction Fittings. Swimming pool, spa and hot tub suction outlets shall have a cover that conforms to ANSI/ASME A112.19.8 (Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tubs and Whirlpool Bathing Appliances -- 2006 International Residential Code), or an 18 inch x 23 inch (457 mm by 584 mm) drain grate or larger, or an approved channel drain system.

EXCEPTION: Surface skimmers

5.3: Atmospheric Vacuum Relief System Required. Swimming pool, spa and hot tub single-or multiple-outlet circulation systems shall be equipped with atmospheric vacuum relief should grate covers located therein become missing or broken. This vacuum relief system shall include at least one approved or engineered method of the type specified herein, as follows:

A. Safety vacuum release system conforming to ASME A 112.19.17 (Manufacturers Safety Vacuum Release Systems for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool-- 2006 International Residential Code); or

B. An approved gravity drainage system.

5.4: Dual Drain Separation. Single or multiple pump circulation systems have a minimum of two (2) suction outlets of the approved type. A minimum horizontal or vertical distance of three (3) feet (914 mm) shall separate the outlets. These suction outlets shall be piped so that water is drawn through them simultaneously through a vacuum-relief-protected line to the pump or pumps.

5.5: Pool Cleaner Fittings. Where provided, vacuum or pressure cleaner fitting (s) shall be located in an accessible position (s) at least six (6) inches (152 mm) and not more than twelve (12) inches (305 mm) below the minimum operational water level or as an attachment to the skimmer(s).

**ARTICLE SIX
PUBLIC SWIMMING POOLS**

Public swimming pools shall comply with the Minimum Sanitary Requirements for Swimming Pools of the State of Illinois Health Department. A "public swimming pool" is any swimming pool open to the public, with or without charge, or any private swimming pool for which a charge is made for admission, membership, or swimming lessons or training.

**ARTICLE SEVEN
TEMPORARY SWIMMING POOLS**

The requirements set forth herein shall not apply to temporary swimming pools, except that a temporary swimming pool shall be attended by a person over the age of eighteen (18) at all times. A "temporary swimming pool" is a nonpermanent structure intended for swimming or recreational bathing that: has a capacity of water of two (2) feet in depth or less; is not constructed of concrete, tile, or steel; and is not, in whole or in part, below the surface of the ground.

**ARTICLE EIGHT
GENERAL PROVISIONS**

Section 7.1: Inspection: Inspection of installations of swimming pools, spas and hot tubs must be made by the Village prior to usage by any person. It is the responsibility of the person issued a permit for the swimming pool, spa or hot tub to contact the Village to arrange for the inspection.

Section 7.2: Fine and Enforcement: The Village shall fine any person violating any of the provisions of this Ordinance not less than Fifty Dollars (\$50.00) per offense. Each day such violation is committed or permitted or continued shall constitute a separate offense and shall be punishable as such.

Section 7.3: Effective Date: This Ordinance shall take effect and be in full force from and after its passage and publication as provided by law.

Section 7.4: Repeal: Ordinances No. 476, No. 499, No. 813, No. 1142, and No. 1252, and all other ordinances or resolutions or parts thereof in conflict with this Ordinance, are hereby repealed.

PASSED AND APPROVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF BARTONVILLE, ILLINOIS, THIS 9 DAY OF August, 2007.

AYES: 4

NAYS: 0

ABSENT: 1

VILLAGE OF BARTONVILLE, ILLINOIS

By: Jeffrey F. Zircher
Jeffrey F. Zircher, President

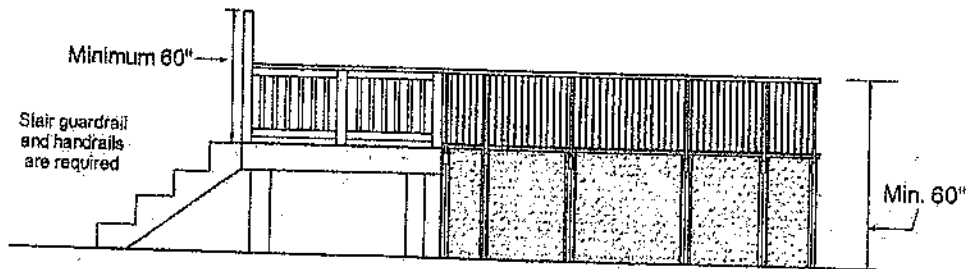
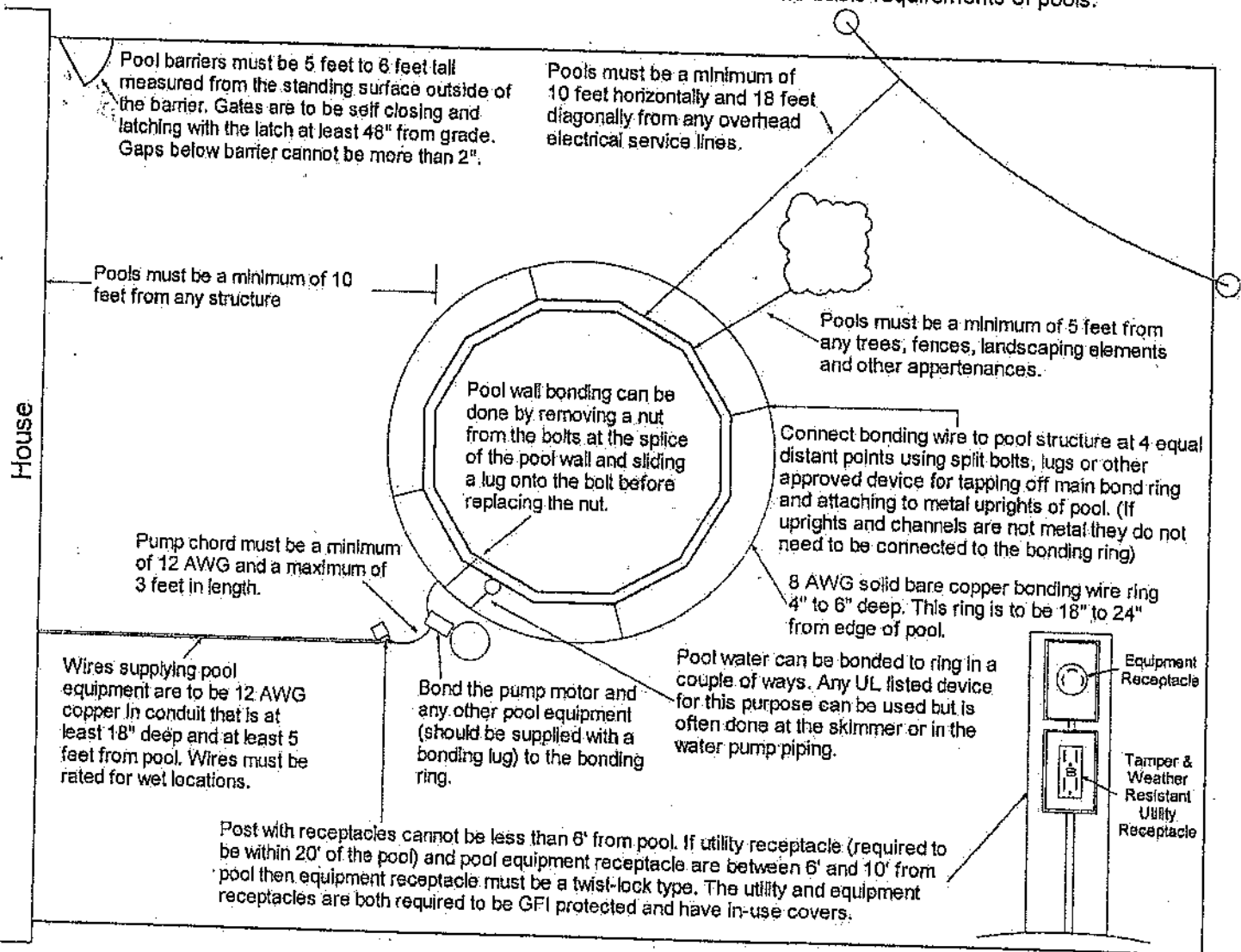
Attest: Cynthia Stafford
Cynthia Stafford, Village Clerk

Pool Electric and Barrier Details

For above ground permanent pools

Base on Peoria County ordinances and 2011 NEC section 680

Refer to the 2011 NEC code book and other Peoria County ordinances for more information and requirements.
This diagram is intended to be used as a reference of some of the basic requirements of pools.



This diagram is intended to explain how to measure the pool barrier height. Please refer to the Deck Construction Guide for the code requirements of all decks.

FAILURE TO CALL FOR REQUIRED INSPECTIONS MAY RESULT IN ADDITIONAL FEES TO RENEW PERMITS. POOLS ARE NOT TO BE FILLED WITH MORE THAN 18 INCHES OF WATER UNTIL THE POOL AND BARRIER HAVE PASSED THEIR FINAL INSPECTIONS.