# TOWN OF HIGHLAND
## BUILDING & INSPECTION DEPARTMENT
## SWIMMING POOL INSTALLATION APPLICATION

DATE____/____/____ PERMIT #_____

Pool Contractor _____ Phone #_____

Property Owner _____ Phone # _____

Project Address: _____ Cost if In ground pool _____

Check one: ____ Above Ground ____ In Ground Dimensions of Pool_____

Distance From House ____ Garage ____ Side yard ____ Easement ____ Height of Fence ____

A PLAT OF SURVEY IS REQUIRED SHOWING THE LOCATION OF THE PROPOSED POOL & ALSO THE LOCATION OF ELECTRICAL UTILITY OVERHEAD OR UNDERGROUND POWER LINES IN RELATIONSHIP TO THE POOL.

Electrical Contractor: _____( An Electrical contractor licensed with the Town of Highland will be required for the installation of a GFCI circuit to hook-up the filter & related equipment. The Electrical Inspector will inform you of this at the time he does the inspection of the area where the pool is to be installed) An Electrical permit will be required to be pulled before the pool permit is issued.

_____ _____

Pool Contractors Signature Property Owner Signature

### OFFICE USE ONLY

Is Electrical permit required? Yes ____ No ____ Was homeowner informed? Yes____ No ____

Is Fencing requirement meet? Yes ____ No ____ Was homeowner informed ? Yes ____ No ____

Additional Comments: _____

Number of Inspections: ____

Permit Fee: _____

Inspection Fee: _____

Total Fee: _____

Approved By : _____

Title: _____ Date_____

# TOWN OF HIGHLAND
# BUILDING & INSPECTION DEPARTMENT

PRIOR TO THE RELEASE OF A POOL PERMIT AN ELECTRICAL CONTRACTOR LICENSED WITH THE TOWN OF HIGHLAND IS REQUIRED TO OBTAIN AN ELECTRICAL PERMIT FOR ALL ELECTRICAL WORK RELATED TO THE INSTALLATION AND OPERATION OF THE POOL.

# TOWN OF HIGHLAND
# SWIMMING POOL REGULATIONS

The Town of Highland follows the regulations set by the Indiana Swimming Pool Code, Second Addition, (675 IAC 20), the National Electrical Code plus the Northern Indiana Public Service Company (NIPSCO) guidelines for the installation of in-ground and above-ground swimming pools.

675 IAC 20-4-3 Structural design

Sec 3. (a) Prior to construction, rehabilitation, or alteration of a permanently installed residential pool, plans and specification shall be submitted to the local authority for review, approval, and issuance of a permit to construct or rehabilitate, as may be required.

675 IAC 20-4-27 Safety features

Sec. 27 (a) A residential pool shall be provided with a suitable handhold around its perimeter in areas where depts. exceed three (3) feet six (6) inches. Handholds shall be provided no further apart than four (4) feet and shall consist of any one (1) or a combination of items listed as follows:

(1). Coping, ledge, or deck along the immediate top edge of the pool which provides a slip-resisting surface of at least four (4) inches minimum horizontal width and located at or not more than twelve (12) inches above the waterline.

(2). Ladders, stairs, or seat ledges.

(3). A secured rope or railing placed at or not more than twelve (12) inches above the water line.

(b). Rope anchor devices shall be installed at a minimum of one (1) foot and a maximum of two (2) feet on the shallow end side of a point of change in floor slope. In pools were the slope change occurs in water depths less than four (4) feet six (6) inches, a transition rope supported by buoys shall be installed.

(c). Access to residential pools shall be restricted by one (1) of the following means:

(1). Walls or fencing not less than five (5) feet high and completely surrounding the pool and deck area with the exception of self-closing and latching gates and doors, both capable of being locked.

(2). Other means not less than five (5) feet high and deemed impenetrable by the enforcing authority at the time of construction and completely surrounding the pool and deck area when the pool is not in use.

(3). A combination of subdivisions (1) and (2) that completely surrounds the pool and deck with the exception of self-closing and latching gates and doors which are capable of being locked. This applies to subdivision (1) and (2) and this subdivision only.

(4). A power safety pool cover which shall:

(A). Provide a continuous connection between the cover and the deck, so as to prohibit access to the pool when the cover is completely drawn over the pool.

(B). Be mechanically operated by a key or key and switch such that the cover cannot be drawn open or retracted without the use of a key.

(C). Is installed with track, rollers, rails, guides, or other accessories necessary to accomplish clauses (A) and (B), in accordance with the manufacture's instructions; and

(D). Bear and identification tag indicating that the cover satisfies the requires of ASTM F1346 for power safety pool covers.

(d). Not less than the following lifesaving equipment shall be installed with each residential swimming pool:

(1). A ring or throwing buoy fitted with forth (40) feet of one-fourth (¼) inch diameter line.

(2). A pole not less than twelve (12) feet in length.

(3) Access to a telephone.

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## NATIONAL ELECTRICAL CODE & NIPSCO GUIDELINES FOR INSTALLING SWIMMING POOLS

1). Underground electrical service – electrical underground service must be a minimum of **5 feet** from the sidewalls of the swimming pool.

2). Overhead electrical service – electrical overhead service must be a minimum of **10 feet** from the sidewalls of the swimming pool.

3). Electrical service located over pool area – if the electrical service lines run directly over the swimming pool they must be a minimum of **22.5 feet above the water line.**

Be sure to call for location of your underground utilities before you decide where to locate your pool. Number to call is 1-800-382-5544. Also you may want to contact your utility companies to see if they have any guidelines in regard to installing an above ground pool over or near their underground services, i.e.; gas, telephone, cable, water or sewer lines.

If you need your electrical service line re-located please call NIPSCO at:
647-7000 or 1-800-4 NIPSCO

SEE ATTACHED FOR FURTHER GUIDELINES:

# ELECTRICAL SAFETY & YOUR SWIMMING POOL

A quick dip in a family swimming pool is a refreshing remedy for the hot summer blues. However, a piece of poolside electrical equipment can become an instrument of death if damaged or handled in a manner that caused electric current to leak into people. The danger of leakage current is intensified at a poolside location, where it is likely that a person's skin will become wet. Skin moisture significantly reduces the skin's capacity to resist electric shock. Keep the following tips in mind when handling electrical equipment near a swimming pool.

Leakage occurs when a flow of electricity is diverted from its intended path and leaks to ground. This irregularity is termed a "Ground fault." Even a small quantity of leakage current can prove fatal to a normally health adult. A protective device, called a ground fault circuit interrupter (GFCI), is designed to interrupt the electrical power supply if a ground fault is detected. A GFCI will respond to a ground fault current as low as 5/1000 of an ampere, and will shut off the source of electric power in as little as 1/40$^{th}$ of a second; less time than it takes a heart to beat once.

The area around a swimming pool is particularly susceptible to leakage current. A defective filter pump motor, electric panelboard, or underwater light can cause disaster. Appliances used around the pool, such as electric barbecues, radio and television sets, or electric hand tools are also potentially dangerous. It is recommended that you install GFCIs in every circuit that supplies electric power to the pool. This practice is also called for in the National Electrical Code. The code provides installation requirements that are widely implemented by various electrical inspection authorities.

The installation of GFCIs is the answer to one facet of swimming pool safety. The following safety rules should also be observed:

- Never handle radios, barbecues, or other electrical appliances while wet.
- Never run extension cords close to the pool.
- Never run overhead wires within 10 feet of the pool
- Never splice or repair cords of swimming pool equipment – replace them at the first sign of damage.
- Be sure that the electrical power supply to the pool is shut off prior to servicing your pool equipment. You should also place a warning tag on the switches which you shut off. If a switch is not tagged, a bather might innocently turn it on and be subject to a serious electrical shock.
- The pool maintenance equipment that you use should be designed for that purpose. I should be plugged into a grounding type receptacle provided with GFCI protection. Use electrical pool vacuums or pool sweeps only when the pool I unoccupied. If you feel a tingling sensation when in the water or approaching the pool, tell someone on deck to turn off all electrical power feeding equipment and appliances in and around the pool. You should then leave the pool area as quickly a possible, without contacting metallic objects. Children should be specifically warned about the consequences of this hazard. There have been cases reported in which children, aware of the presence of an electrical field, where hurt or killed because they dared each other to stay in the water longer or more closely approach the source of the field.
- Look for the UL listing mark on your electrical equipment. It's your assurance that the design of the equipment has been tested with regard to nationally recognized safety standards.

Electricity and water do not mix. To avoid a shocking experience, follow these important precautions.