



APPLICATION FOR SWIMMING POOL PERMIT

City of Kentwood
 4900 Breton Ave SE • P.O. Box 8848
 Kentwood, MI 49518-8848
 (616) 554-0700

Owner			Contractor		
Property Address (Street Name & No.)			Contractor Address (Street Name & No.)		
City	State	Zip	City	State	Zip
Property Owner Phone No.			Contractor Phone No.		
Contractors Residential Builders License			Fencing Installed By:		
Electrical Permit Holder:			Type of swimming pool construction		
Is the hot tub on or in an existing structure (deck)? (Please check one box)			Temporary above ground	Permanent above ground	Permanent in ground
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>

Section AG 101-1 of the 2006 Michigan Building Code requires complete plans, including a site plan, to be **submitted and approved** before a building permit to install a pool can be issued. This applies to above and below ground pools. Both an electrical and building permits are required and must be submitted for all pools or hot tubs.

Plans are required to meet the Michigan 2006 Building Code requirements and to show all of the following:

1. Site Plan: On a mortgage survey, show the location of the pool on the lot.
include all the buildings, walks, fences, lot lines, etc.
2. Detail of the water supply system and the drainage system.
3. All appurtenances pertaining to the pool such as: pumps, ladders, heaters, steps, diving boards, electrical wiring and plugs, shower, dressing rooms, equipment rooms, decks, etc.
4. Elevation and/or section drawings to show all slopes, floor slopes, finish grade, etc.
5. Enclosure details such as fences, gates, latches, natural barriers, etc.
6. If near a creek, pond, or easement a Soil Erosion (Earth Change) Permit is also required.

ALL PLANS MUST SHOW ACCURATE DIMENSIONS AND BE DRAWN TO SCALE

This application is true and accurate to the best of my knowledge.

Signed _____

Date _____



SAFETY REQUIREMENTS FOR NEW POOL INSTALLATIONS **MI. 2003 BLDG. CODE SECT. 3109 & APPENDIX G-RES.**

Private swimming pool: Any structure that contains water over 24 inches in depth which is used, or intended to be used for swimming or recreational bathing in connection with an occupancy in Use Group R-3 and which is available only to the family and guest of the householder. This includes in-ground, above and on-ground swimming pools, hot tubs and spas.

1. Building address numbers and building permit must be posted and visible from the street before work begins.
2. Pool must be fenced before it is filled with water. The fence must support 200 pounds and be kept in place at all times. SOME ABOVE GROUND POOLS MAY NOT NEED A FENCE.
3. A permanent fence must be installed before final inspection.
4. The fence must be a minimum of four (4) feet tall.
5. The fence must be of a type that a four (4) inch sphere cannot pass through or under.
6. Gates must be self-closing.
7. Latches and locks must be above four (4) feet.
8. Pool must have a filtration system.
9. Above ground pool over eighteen (18) feet in any dimension must be treated as a permanently installed pool. (Per National Electrical Code.)
10. An above ground pool less than 48" above the finished grade must be protected by a four (4) foot fence, grates, latches, etc.
11. All metal items within five (5) feet of the water's edge must be bonded. This includes fences, buildings, pool equipment, etc.
12. Special Note: MI 2003 BUILDING CODE:
Where a wall of a dwelling serves as part of the barrier, one of the FOLLOWING shall apply:

9.2 All 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 its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened. The alarm shall have a minimum sound pressure rating of 85db at 10 feet (3048) and the sound of the alarm shall be distinctive from the household sounds such as smoke alarms, telephones and doorbells. The Alarm shall automatically reset under all conditions. The alarm shall be equipped with manual means, such as touch-pads or switches, to deactivate temporarily the alarm for a single opening from either direction. Such deactivation touch-pads or switches shall be located at 54 inches (1372mm) above the threshold of the door.

10.2 Where an above-ground pool structure is used as a barrier or where the barrier is mounded on top of the pool structure, and the means of access is a fixed or removable ladder or steps, the ladder or steps shall be surrounded by a barrier which meets the requirements of items I through 9 of section AG 105.2.

AG 105.5 Barrier exceptions. Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in section AG 107, shall be exempt from the provisions of this appendix.

Appendix G

BARRIERS FOR SWIMMING POOLS, SPAS AND HOT TUBS

The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design control are intended to provide protection against potential drowning and near drownings by restricting access to swimming pools, spas and hot tubs.

Section AG 102 Definitions

For the purposes of these requirements, the terms used shall be defined as follows as set forth in CHAPTER 2.

Above-ground/on ground pool: See definition of swimming pool.

Barrier: A Fence, a wall, a building wall or a combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

Hot Tub: See definition of swimming pool.

Residential: That which is situated on the premises of a detached one or two-family dwelling or a done-family townhouse not more than three stories in height.

Spa: non-portable: See definition of swimming pool.

Spa, portable: A non-permanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating equipment are in integral part of the of the product and which is cord-connected (not permanently electrically wired).

Swimming Pool: Any structure intended for swimming or recreational bathing that contain water over 24 inches deep. This included in-ground pools, hot tubs and spas.

Swimming pool, Indoor: A swimming pool, which is totally contained within a structure and surrounded on all four sides by walls of said structure

Swimming pool: outdoor: any swimming pool which is not an indoor pool.

Section AG 105.2 Requirements

Outdoor swimming pool: An outdoor swimming pool, including an in-ground, above-ground pool, hot tub or spa shall be provided with a barrier which shall comply with the following:

1. The top barrier shall be at least 48 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 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, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches.

2. Openings in the barrier shall not allow passage of a 4 inches diameter sphere.
3. Solid barriers, which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for a normal construction tolerance and tolled 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, the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 ¾ inches in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 ¾ inches 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 or more, spacing between vertical members shall not exceed 4 inches. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 ¾ inches in width.
6. Maximum mesh size for chain link fences shall be a 1 ¼ inch square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1 ¾ inches.
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.
8. Access gates shall comply with the requirements of Section AG 105.2 , Items I 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 from the bottom of the gate, the release mechanism and openings shall comply with the following:
 - a) The release mechanism shall be located on the pool side of the gate at +3 inches below the top of the gate; and
 - b) The gate and barrier shall have no opening greater than ½ inch within 18 inches 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:
 - a) The pool shall be equipped with a powered safety cover in compliance with ASTM F-1346 All 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 its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is 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 for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches above the threshold of the door; or

- b) 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 (a) or (b) described above.

10. Where an above ground pool structure is used as a barrier or where the barrier is mounted on the pool structure, and the means of access is a ladder or steps, then:

- a) The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
- b) The ladder or steps shall be surrounded by a barrier, which meets the requirements of Section F-103.1, Items I 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 sphere.

AG 105.3 Indoor swimming pools: All walls surrounding an indoor swimming pool shall comply with Section AG 105.2 Item 9.

AG 105.4 Prohibited locations: Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

Section AG 105.5 Exemptions

A portable spa with a safety cover which complies with ASTM F-1346 entitled "Emergency Standard Performance Specification for Safety Cover Add Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs," , shall be exempt from the provisions of this chapter. Swimming pools, hot tubs and non-portable spas with safety covers shall not be exempt from the provisions of this chapter.



RESOLUTION No. 39-96

A RESOLUTION TO AMEND RESOLUTIO No. 170-86' A RESOLUTION SETTING BUILDING PERMIT FEES', TO ESTABLISH A REQUIREMENT FOR A FENCE CONSTRUCTION AND ELECTRICAL PROTECTION DEVICE FEE FOR SWIMMING POOLS AND HOT TUBS

\$200.00 REFUNDABLE FEE

The \$200.00 fence bond is in addition to the normal Building and Electrical permit fees.

Application for Fence Fee

Date: _____

Application for construction of Swimming Pool or Hot Tub at: _____

Application requested by: _____ . Permit No.: _____

Electrical Contractor: _____

Check _____ Bond _____ Cash _____ Received By: _____

Contractor Signature: _____

Home Owner Signature: _____

Refund Approved: _____ Date: _____

REFUND SUBJECT TO APPROVED FINAL INSPECTION BY BUILDING AND ELECTRICAL INSPECTORS.

**INFORMATION FOR OWNERS AND CONTRACTORS OF
NEW SWIMMING POOLS AND HOT TUBS**

Date: ____/____/____

Name Address:

Recently, our Building Department approved an application for you to construct a new swimming pool or hot tub. The permit was issued to _____ a registered contractor in the City of Kentwood.

Many safety and building codes pertain to pool construction. Attached is a copy of the code requirements of the City of Kentwood. The Building Inspections Department of the City of Kentwood is required to inspect each stage of the pool's construction to assure quality and safety for all users.

SWIMMING POOLS AND HOT TUBS ARE NOT TO BE FILLED WITH WATER UNTIL THE APPROVED BARRIERS'S HAVE BEEN INSTALLED AND APPROVED BY A BUILDING INSPECTOR.

New pools may not be used until a final inspection has been made and a written notice of approval has been issued.

If you have any questions regarding the codes, please contact our Building Department at 554-0700.

Enjoy your new pool in *health* and safety!

Dennis Cassady
Inspections Department

Cc: Pool Contractor



APPLICATION FOR ELECTRICAL PERMIT

City of Kentwood
4900 Breton Ave SE • P.O. Box 8848
Kentwood, MI 49518-8848

PERMIT No.

DATE OF APPLICATION

(616) 554-0700

I. Jobsite Information

Street Address including Suite #		City Kentwood	Lot:
Home Owner or Business Name where the work is being performed	Has a building permit been obtained for this project? YES <input type="checkbox"/> NO <input type="checkbox"/> NOT REQUIRED <input type="checkbox"/>		

II. Installer Information

Contractor

Homeowner

(check appropriate boxes)

Name	Phone #:	Master Electrician License No.	Expiration Date
Address (Street No. and Name)		Contractor License No.	Expiration Date
City	State	Zip	MESC. Employer ID No. (or Exemption)
Social Security No.		Federal Employer ID No. (or Exemption)	
Workers Compensation Insurance Carrier (or Exemption)			

III. Application Signature

Section 23a of the State Construction Act of 1972, Act No. 230 of the Public Acts of 1972, being section 125.1523a of the Michigan Compiled Laws, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential structure. Violators of Section 23a are subject to civil fines.

Homeowner Signature (Homeowner must also sign affidavit below)	Contractor Signature
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NOTE: Any concealed work shall be inspected before being covered

IV. Give a detailed description of the work to be performed under this permit. This section is **mandatory** for permit issuance.

V. Fee Chart

	FEE	# ITEMS	TOTAL		FEE	# ITEMS	TOTAL
Electrical Base Fee (Non-refundable and includes one inspection fee)	\$30.00	1	\$ 30.00	Transformers up to .5 KVA	\$6.00		\$ -
Residential Remodel or Basement Finish	\$55.00		\$ -	Over .5 KVA	\$10.00		\$ -
				Fixed Heating Devices up to 1 KW	\$6.00		\$ -
Pool / Hot Tub (Each)	\$30.00		\$ -	1.1 KW and Over	\$12.00		\$ -
SERVICES: Temp. Service (Each)	\$25.00		\$ -	Illuminated Signs per Circuit	\$15.00		\$ -
30-90 Amp (Each)	\$10.00		\$ -	Neon Transforms (Each)	\$12.00		\$ -
100-300 Amp. (Each)	\$15.00		\$ -	Buss Ducts & Feeders - 1st 50ft	\$10.00		\$ -
400 Amp and Over (Each)	\$40.00		\$ -	Each Additional 50 ft.	\$5.00		\$ -
Circuit of Wiring - 1st Circuit	\$7.00		\$ -	Alarm/Telephone/Data Systems 1- 10 Devices	\$50.00		\$ -
Additional Circuits (Each)	\$3.50		\$ -	11-20 Devices	\$100.00		\$ -
Remodel Lights, Switches 1-9	\$12.00		\$ -	Devices 20 and over (Each)	\$6.00		\$ -
Range, water heater, dryer, dishwasher, disposal, gas furnace, a/c unit (Each)	\$7.00		\$ -	Rough Inspection (Residential)	\$40.00		\$ -
				Final Inspection (Residential)	\$40.00		\$ -
MOTORS: Fraction HP (Each)	\$7.00		\$ -	Additional Inspections (Residential)	\$40.00		\$ -
1-5 HP	\$10.00		\$ -	Rough Inspection (Commercial)	\$50.00		\$ -
6-30 HP	\$15.00		\$ -	Final Inspection (Commercial)	\$50.00		\$ -
31-75 HP	\$20.00		\$ -	Administrative fee if work is started prior to permit being issued	\$100.00		\$ -
Over 75 HP	\$25.00		\$ -				

This is your permit when approved by the City of Kentwood's Administrative Authority.

TOTAL FEE

Make checks payable to the "CITY OF KENTWOOD" and mail to the address above attention "Inspection Dept."

V. Homeowner Affidavit

I hereby certify the electrical work described on this permit application shall be installed by myself in my own house in which I am living or about to occupy. All work shall be installed in accordance with the current Michigan Electrical Code and shall not be enclosed, covered up, or put into operation until it has been inspected and approved by the Electrical Inspector. I will cooperate with the Electrical Inspector and assume responsibility to arrange inspections.

Signature of Homeowner



PERMIT APPLICATION for Part 91 SOIL EROSION AND SEDIMENTATION CONTROL

City of Kentwood
4900 Breton Ave SE
PO Box 8848
Kentwood, MI 49518-8848

Office Use Only
Permit Number:
Date Issued:
Expiration Date:
Minimum Opening:

1. APPLICANT (please check if applicant is the landowner or designated agent*)

Name Landowner _____ Designated Agent _____	
Owner	Contractor
Address (Street Name & No.)	Address (Street Name & No.)
City, State & Zip Code	City, State & Zip Code
Owner Phone Number & Fax	Contractors Phone Number & Fax

2. LOCATION

Section:	Town: 6N	Range: 11W	City: Kentwood	County: Kent	Subdivision:	Lot #
Property Address					Parcel Number	
					41-18-	

3. PROPOSED EARTH CHANGE

Project Type: Residential (single family or duplex home on single lot) _____ Plat Development _____ Commercial _____ Other _____			
Describe Project:	Soil Type		Size of Earth Change
	Clay	Sand	Loam
	[]	[]	[]
Name of and Distance to Nearest lake, Stream, or Drain	Date Project to Start	Date Project to be Completed	

4. SOIL EROSION AND SEDIMENTATION CONTROL PLAN (Refer to Rule 323.1703)

Note: 2 Complete set of plans must be attached	Estimated Cost of Erosion and Sediment Control
	Plan Preparer's Name and Phone Number

5. PARTIES RESPONSIBLE FOR EARTH CHANGE

Name	Address (Street Name & No.)
City, State & Zip Code	Phone Number & Fax
Name of Individual "ON SITE" Responsible for Earth Change	Phone Number

6. PERFORMANCE DEPOSIT (If required by the permitting agency)

\$5,000 Soil Erosion	Surety Bond _____	Check _____	Irrevocable Letter of Credit _____	Not applicable _____
\$30,000 Stormwater	Surety Bond _____	Check _____	Irrevocable Letter of Credit _____	Not applicable _____
Name of Surety Company				
Address	City	State	Zip Code	Phone Number

I (we) affirm that the above information is accurate and that I (we) will conduct the above described earth change in accordance with Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, applicable local ordinances, and the documents accompanying this application.

Landowner's Signature	Print Name	Date
Designated Agent's Signature*	Print Name	Date

* Designated agent must have a written statement from the landowner authorizing him/her to secure a permit in the landowner's name.