Village of Minooka
121 E. McEvilly Road, Minooka, Illinois 60447
Phone 815-467-2151 Fax 815-467-3599
buildingdepartment@minooka.com

POOL PERMIT APPLICATION

REQUIREMENTS: [1]ONE PLAT OF SURVEY indicating (a)location of proposed construction (b)location & dimensions of existing structures (c)distance of all existing and proposed structures from each lot line and adjacent structures [2]ONE COMPLETE SET OF DRAWINGS & SPECIFICATIONS [3]APPROVAL LETTER FROM HOMEOWNERS ASSOCIATION [4]PROOF OF HOMEOWNERS LIABILITY INSURANCE IF HOMEOWNER WILL BE PERFORMING WORK AT PERSONAL RESIDENCE/LOT

Every building permit shall expire and become null and void: (a) on the expiration date or (b) if the work authorized by such permit has not been commenced within one hundred eighty (180) days or (c) the work is not completed within one (1) year, unless otherwise extended.

OWNER INFORMATION

NAME: **PHONE:**

JOBSITE ADDRESS: **EMAIL:**

SUBDIVISION: COUNTY:

TYPE OF BUILDING: **Single Family** **Multi Family** **Townhouse** **Commercial**

BUILDING: **New** **Addition** **Alteration**

PROJECT DESCRIPTION: TOTAL SQUARE FEET: CONSTRUCTION COST:

All trades & subcontractors MUST be listed on this application. Contractors must be licensed by the Village prior to the issuance of this permit. Homeowners performing work on personal residence, please list 'Property Owner' for the Contractor name. List electrician on back of application.

POOL CONTRACTOR: CONTACT PERSON:

ADDRESS:

OFFICE PHONE: CELL: EMAIL:

I hereby certify that I am the owner or duly authorized agent of the owner for the purposes of this application. I further certify that I have read and examined this application and know the same to be true and correct. If any of the information provided on this application is incorrect, the permit or approval may be revoked. I also understand that all work shall be completed in compliance with the Village of Minooka Codes and Ordinanaces and the statutes of the State of Illinois. I understand that state law requires notification of JULIE at least two (2) business days before any digging project.

_____

APPLICANT SIGNATURE DATE

----------NOTIFY JULIE BEFORE YOU DIG. SIMPLY CALL 811----------

****OFFICE USE ONLY****

BUILDING PERMIT FEES $_____

MISC FEES_____ $_____

MISC FEES_____ $_____

TOTAL PERMIT FEE $_____

REVIEW AND APPROVED BY:

_____

BUILDING OFFICIAL DATE

CONTRACTOR INFORMATION

JOBSITE ADDRESS: _____

	NAME	ADDRESS/PHONE/EMAIL
Architect/Engineer		
General Contractor		
Excavation		
Concrete		
Carpentry		
Electrical		
Plumbing		
Sewer/Service		
Mechanical		
Roofing		
Masonry		
Drywall		
Sprinkler		
Paving		
Fire Alarm		
Water/Service		
Insulation		
Waterproofing		

****LIST ANY ADDITIONAL TRADES ON A SEPARATE SHEET AND SUBMIT WITH APPLICATION****

BUILDING DEPARTMENT
GUIDELINES FOR SWIMMING POOL INSTALLATION

TO OBTAIN A PERMIT, YOU WILL NEED:

-Completed Building Permit application
-A Plat of Survey showing:

1. Location of the pool
2. Distance of the pump and filter from the house
3. Distance of pool from overhead and underground electrical conductors

-A letter from you homeowners association approving the proposed work
-Copy of any plans from the Contractor

REQUIREMENTS:

-**FENCE PROTECTION MUST BE FOUR FEET (4') IN HEIGHT**. Either a four foot (4') fence enclosing the yard, or an additional barrier constructed on top of the pool that provides an overall barrier of four feet (4')
-Pool shall be located ten feet (10') from side and rear property lines, shall be located ten feet (10') from home, and can only be placed in the rear yard. Pumps, filters, and pool disinfecting equipment shall be not less than five feet (5') from any side or rear property lines as well as from the principal building
-All ladders shall have the capability of closing and locking, gates shall be self closing/latching
-Pool shall not be located below or within ten feet (10') of overhead electrical conductors, and five feet (5') of underground conductors
-A temporary fence shall be provided while the site is under construction
-No structure of any kind will be allowed in an overland release route
-Displaced soil from construction must not be placed on property line or next to fence due to drainage restrictions

ELECTRICAL:

-No extension cords of any kind will be approved
-A Ground Fault Interrupter receptacle with a direct line to the fuse panel is required
-A Ground Rod attached to the pool pump is required.

INSPECTIONS REQUIRED:

-Notify JULIE at least 2 business days before digging. Call 811 or visit www.illinois1call.com
-Underground electric/gas prior to backfill
-Bonding
-Final inspection to check placement, fencing, general construction, and electrical work

Call 815-467-2151 to schedule inspections. 24 hour notice is required

Swimming Pool Electrical Requirements

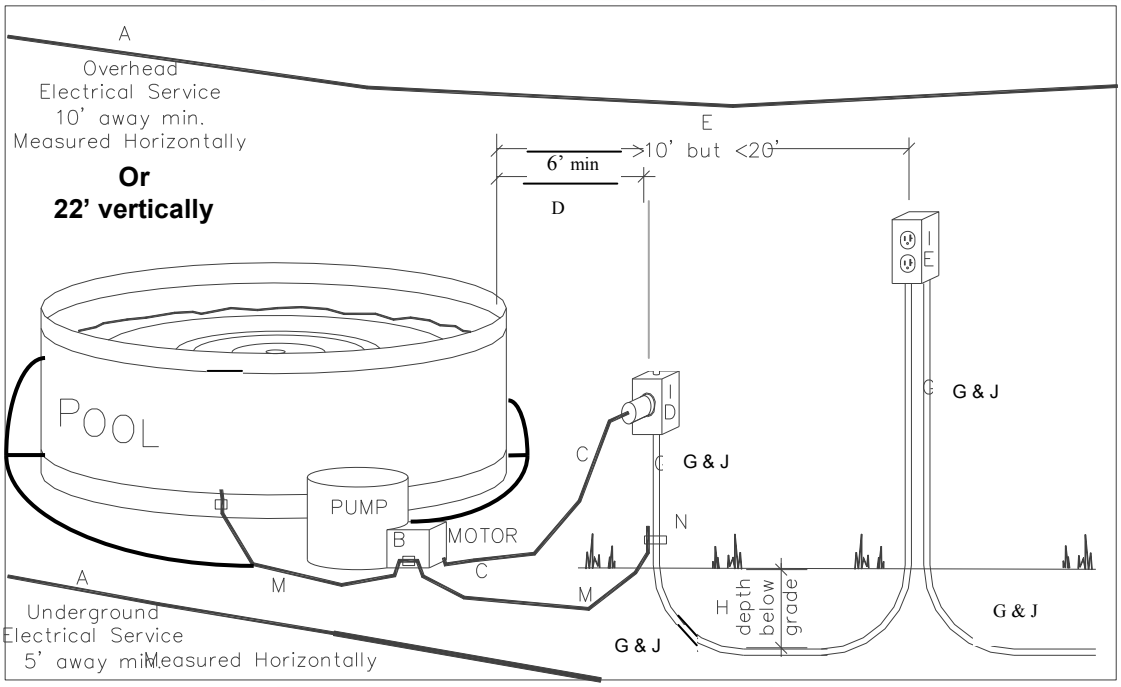
Storable Pools

Electrical Code Requirements for Non-Metallic Storable Pools:

1. At least one grounded - Ground Fault Circuit Interrupter (GFCI) protected, 125-volt, 15- or 20-ampere general purpose receptacle shall be located between 10 and 20 feet from the pool.
2. Electrical Service and Utility lines: The pool will be a min. 5 feet horizontally from underground electrical service lines and a min.10 feet horizontally from overhead service lines. Call J.U.L.I.E. 811 or http://www.illinois1call.com/ to locate underground power lines.
3. The pump must be a double insulated pump and must be unplugged at the time of pool use. It must be plugged into the grounded GFCI receptacle without the use of an extension cord.

Permanent Pools

Electrical Code Requirements for Permanent Pools (In-ground, partially in-ground, and Metallic Component pools capable of storing more than 42 inches of water:



Electrical Service

A. Underground electric service must be 5' or more horizontally from pool. Overhead electric service must be 10 feet or more from pool horizontally or not less than 22 feet in any direction to the water's edge of the swimming pool. NEC 680.8 & 680.10 or IRC Sections E4203.6 &E4203.7

Pump

B. Pump motor shall be listed (UL 1081) for a pool application NEC 110.3 (b) or IRC Section E3403.3 and City Ordinance Section 12-43.
C. Permanently installed pools require the cord on pump motor to be a min. #12 wire, not longer than 3 feet and w/ a twist lock NEC 680.7 or IRC Section E4202.2.
D. Pump Receptacle shall be a minimum of 6 feet from the pool wall (NEC 680.22 (a) or IRC Section E4203.1.1 & protected with a GFCI (breaker, faceless, or GFCI outlet rated for hp at the pump (NEC 680.22(b) or IRC Section E4203.1.3). Cover for receptacle shall be an in use cover NEC 406.8(B)(1) or IRC Section E4002.10.
E. For permanently installed pools, a general purpose GFCI Receptacle shall be provided between 6 feet and 20 feet from pool. NEC 680.22(A)(3) or IRC Section E4203.1.2
F. Provide disconnecting means a minimum of 5 feet away from inside wall of pool. NEC 680.12 or IRC Section E4203.3

Raceway, Conduit & Boxes

G. Raceway shall be Rigid heavy wall metal conduit, intermediate metal conduit or rigid non-metallic conduit (gray PVC) and listed for electrical use. NEC Articles 300 & 110.3(b) or IRC E4203.7. Raceway shall be buried 6 inches below grade for RMC & IMC or 18 inches below grade for PVC or 24 inches below grade for direct burial. NEC 300.5 or IRC Section E4203.7. Risers and first elbow in the ground at risers and last riser in the ground at the home shall be rigid pipe.
H. If RNC (PVC) pipe and boxes are used, they must be listed for electrical use, sunlight resistant and shall be supported as required per NEC Article 352 or IRC Section E3801.4. All boxes and appurtenances shall be securely supported on a wall or post with 42" deep footing.

Grounding

I. Raceway equipment grounding conductor shall be a min of #12 Ga. and must be green. NEC 680.25 (b)(1) & 250.119 or IRC Section E4205.6

J. Equipment grounding conductor from the equipment grounding terminal in the panel board shall tie into all junction boxes, light fixtures, pump motors, transformer enclosures, switches, and outlets, etc. NEC 680.24(F) IRC Section E4502

Equipotential Bonding

M. The parts specified in 680.26(B)(1) through (B)(7) shall be bonded together using solid copper conductors, insulated covered, or bare, not smaller than 8 AWG or with rigid metal conduit of brass or other identified corrosion-resistant metal. Connections to bonded parts shall be made in accordance with 250.8. An 8 AWG or larger solid copper bonding conductor provided to reduce voltage gradients in the pool area shall not be required to be extended or attached to remote panel boards, service equipment, or electrodes.

Conductive Pool Shells; Bonding to conductive pool shells shall be provided as specified in 680.26(B)(1)(a) or (B)(1)(b). Poured concrete, pneumatically applied or sprayed concrete and concrete block with painted or plastered coatings shall all be considered conductive materials due to water permeability and porosity. Vinyl liners and fiberglass composite shells shall be considered to be nonconductive materials.

(**A**) *Structural Reinforcing Steel.* Unencapsulated structural reinforcing steel shall be bonded together by steel tie wires or the equivalent. Where structural reinforcing steel is encapsulated in a nonconductive compound, a copper conductor grid shall be installed in accordance with 680.26(B) (1) (b). http://www.erico.com/products/ERITECH_prefab_mesh.asp

(**B**) Copper Conductor Grid. A copper conductor grid shall be provided and shall comply with (b) (1) through (b) (4).

(1) Be constructed of a minimum 8 AWG bare solid copper conductors bonded to each other at all points of crossing

(2) Conform to the contour of the pool and the pool deck

(3) Be arranged in a 300-mm (12-in.) by 300-mm (12-in.) network of conductors in a uniformly spaced perpendicular grid pattern with a tolerance of 100 mm (4 in.)

(4) Be secured within or under the pool no more than 150 mm (6 in.) from the outer contour of the pool shell (2) Perimeter Surfaces. The perimeter surface shall extend for 1 m (3 ft) horizontally beyond the inside walls of the pool and shall include unpaved surfaces as well as poured concrete and other types of paving. Bonding to perimeter surfaces shall be provided as specified in 680.26(B)(2)(a) or (2)(b) and shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four (4) points uniformly spaced around the perimeter of the pool.

For Nonconductive Pool Shells; bonding at four points shall not be required.

(**A**) Structural Reinforcing Steel. Structural reinforcing steel shall be bonded in accordance with 680.26(B)(1)(a).

(**B**) Alternate Means. Where structural reinforcing steel is not available or is encapsulated in a nonconductive compound, a copper conductor(s) shall be utilized where the following requirements are met:

(1) At least one minimum 8 AWG bare solid copper conductor shall be provided.

(2) The conductors shall follow the contour of the perimeter surface

(3) only listed splices shall be permitted.

(4) The required conductor shall be 450 to 600 mm (18 to 24 in.) from the inside walls of the pool.

(5) The required conductor shall be secured within or under the perimeter surface 100 mm to 150 mm (4 in. to 6 in.) below the subgrade. NEC 680.26 or IRC E4204. Bonding conductor connections shall be burial rated (no Zinc parts).

An intentional bond of a minimum conductive surface area of 9 square inches shall be installed in contact with the pool water. This bond shall be permitted to consist of conductive parts such as metal fittings, metal drain, metal lights, etc. that are required to be bonded. NEC Article 680.26(C) or IRC Section E4204.3. http://bondsafe680.com/aboveground.html

Pool Lighting

A. In a permanent pool with water depth capacity of greater than 42 inches, if lighting is provided it must be hardwired in compliance with NEC Article 680.23 or IRC Section E4205.2.

Mechanical Code Regulations for Gas Fired Pool Heaters:

1. Gas piping shall be (below grade approved) schedule 40 epoxy coated gas pipe and buried 12 inches below grade **OR** Gas piping shall be plastic piping conforming to ASTM D 2513 with min. 18 AWG tracer and buried a minimum 12 inches below grade. Risers shall be anodeless and meet Cat. 1 of ASTM D2513.
2. Pool heaters shall be installed by a technician who can certify that they have had training in pool heater installations and piping, or a licensed Mechanical (HVAC) Contractor will be required.

Call J.U.L.I.E. (Joint Utility Locating Information for Excavators): Dial 811 or http://www.illinois1call.com/

JULIE is a free service that will locate all member utilities that may have facilities in your proposed area of excavation. Notification must be made a minimum of 48 hours (two business days) prior to any excavating.

UTILITY/TYPE OF PRODUCT	IDENTIFICATION COLOR	
Gas, Oil, Steam, Petroleum	Yellow	
Electric	Red	
Potable Water	Blue	
Communication, TV	Orange	
Sewer and Drain Lines	Green	
Reclaimed Water, Irrigation	Purple	
Temporary Survey	Pink	
Proposed Excavation	White	Black on snow