



SWIMMING POOL/SPA & SAFETY BARRIER PERMIT APPLICATION

CITY OF CARTER LAKE, IOWA
Building & Zoning Department

950 Locust Street
Carter Lake, IA 51510
Telephone: 712.847.0535
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Inspection Request: 712.847.0535

PERMIT AMOUNT		PERMIT #	
JOB SITE ADDRESS:		PARCEL NUMBER:	
LEGAL DESCRIPTION: <input type="checkbox"/> Attachment		LOT SIZE:	
ZONING DISTRICT: <input type="checkbox"/> R-1 Urban Residential Single-Family District <input type="checkbox"/> R-2 Urban Residential Mixed-Density District <input type="checkbox"/> R-3 Urban Residential Multi-Family District <input type="checkbox"/> R/CC CL Club Special Residential District <input type="checkbox"/> RM Mobile Home Residential District <input type="checkbox"/> C/L Locust Street Mixed Use Corridor District <input type="checkbox"/> T-C Town Center <input type="checkbox"/> C/A Abbott Drive Corridor District <input type="checkbox"/> M-1 Limited Industrial District <input type="checkbox"/> M-2 General Industrial District <input type="checkbox"/> MC Mixed Use District <input type="checkbox"/> PUD Planned Unit Development Overlay District <input type="checkbox"/> W Water-Oriented Development Overlay District <input type="checkbox"/> FP/FW Floodplain Overlay District			
PROPERTY OWNER:		PHONE NUMBER:	
PROPERTY OWNERS ADDRESS:	STATE:	ZIP CODE:	EMAIL:
APPLICANT/CONTRACTOR NAME:	STATE LICENSE #:	PHONE NUMBER:	
MAILING ADDRESS:	STATE:	ZIP CODE:	
SUB-CONTACTORS NAME & STATE LICENSE #'s: (if applicable) Electrical: _____ Plumbing: _____ Mechanical: _____ State License #: _____ State License #: _____ State License #: _____			

Class of Work:
 New
 Addition
 Alteration
 Repair
 Replacement
 Other _____

Use Type:
 Private/Residential
 Public
 Other _____

Type:
 Above Ground
 In Ground
 Other _____

Water Supply:
 Private Well
 Public Connection
 Other _____

Drainage Discharged to:
 Private Property
 Public Storm Sewer
 Other _____

Number of Gallons in Pool/Spa: _____ (1 square foot = 7.48 g) **Approximate Pool/Spa Dimensions:** _____

PERMIT FEES	AMOUNTS
This permit fee will be verified during plan review and collected at the time of permit issuance. (See next page to figure cost)	Permit Fee \$
Figuring the Plan Review Fee at 25% of the calculated Permit Fee cost. The Plan Review Fee will be a required deposit at the time of your permit application submittal. (see next page to figure cost)	Plan Review Fee (Submittal Deposit) \$
	TOTAL AMOUNT \$

I have indicated all natural and man-made water courses which may have impact on or be impacted by the proposed retaining wall, block wall or fence. I understand and agree that should the City of Carter Lake determine that this retaining wall, block wall or fence be detrimental to the safe flow of any water course, this permit will be rendered invalid immediately. I further agree that if I fail to adhere to the above requirements, the retaining wall, block wall or fence may be abated, removed or altered at my expense. I will save, indemnify, and keep harmless the City of Carter Lake, IA its officers, employees, and agents against all liabilities, judgments cost, and expenses which may accrue against them in consequence of the granting of this permit, inspections, or use of any on-site or off-site improvements placed by virtue hereof, and will in all things strictly comply with all applicable rules, ordinances, and laws; and I understand all permit fees are non-refundable. My signature constitutes an attestation by the applicant that this application complies with all covenants, conditions, and restrictions.

APPLICANT SIGNATURE _____ DATE _____

Issued By:	Date:
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PERMIT ISSUANCE		
	COST	AMOUNT
For the issuance of each permit and for all Pools & Spas greater than 5,000 gallons.	\$ 23.50	\$ 23.50
Swimming Pool over 5,000 gallons	\$20.00	
Pool/Spa Permanent above ground	\$30.00	
Pool/Spa Permanent in ground	\$60.00	
ELECTRICAL FEE		
Public Swimming In-ground Pools – For new public, in ground swimming pools & spas for, including a complete system of necessary branch circuit wiring, bonding, grounding, underwater lighting, water pumping and other similar electrical equipment directly related to the operation.	\$82.25	
Private Above Ground Swimming Pools —For new above ground swimming pools & spas for single-family and multi-family occupancies including a complete system of necessary apparatus, conduits and conductors and other similar electrical equipment directly related to the operation.	\$18.25	
Private Swimming In-ground Pools – For new private, in ground swimming pools & spas for single-family and multifamily occupancies, including a complete system of necessary branch circuit wiring, bonding, grounding, underwater lighting, water pumping and other similar electrical equipment directly related to the operation.	\$49.50	
PLUMBING FEE		
Public Swimming Pool – For new public, in ground swimming pools, including a complete system of necessary water piping lines, filter piping lines and other similar plumbing equipment directly related to the operation.	\$91.25	
Public Spa – For new public, in ground swimming pools, including a complete system of necessary water piping lines, filter piping lines and other similar plumbing equipment directly related to the operation.	\$60.75	
Private Swimming In-ground Pool – For <i>in ground</i> swimming pools over 5,000 gallons.	\$60.75	
Private In-ground Spa and/or Pool – For <i>in ground</i> spas and/or pools less than 5,000 gallons.	\$30.25	
Pool Filtration system by peak gallons per minute (GPM)	\$5.72	
Public pool sized by capacity in gallons (GAL)	\$0.01	
Public spa sized by capacity in gallons (GAL)	\$0.06	
Private pool sized by capacity in gallons (GAL)	\$0.01	
Private spa sized by capacity in gallons (GAL)	\$0.11	
	Total (Permit Issuance, Electrical & Plumbing Fee)	\$
BARRIER / FENCE IS REQUIRED - COMPLETE SEPARATE FENCE/WALL PERMIT		

Note		
Residential – other Inspections and Fees		
Inspections outside of normal business hours per hour (minimum charge of 2.5 hours)		\$123.00/per hr
Re-inspections fees assessed under provision of CBMC 13.01.305 Paragraph H, per inspection		\$123.00/per hr
Inspections for which no fee is specifically indicated per hour (minimum charge one hour)		\$123.00/per hr
Additional plan review required by changes, additions or revisions to plans or to plans for which an initial review has been completed (minimum charge one hour)		\$123.00/per hr
Commercial - other Inspections and Fees		
Inspections outside of normal business hours, per hour (minimum charge – two hours)		\$286.00*/per hr
Re-Inspection fees assessed under provisions of Section 305.8 per inspection		\$286.00*/per hr
Inspections for which no fee is specifically indicated, per hour (minimum charge – one half hour)		\$286.00*/per hr
Additional plan review required by changes, additions or revisions to plans or to plans for which an initial review has been completed (minimum charge – one half hour)		\$286.00*/per hr
For use of outside consultants for plan review and Inspections		Actual Costs*
*Or the total hourly cost to the jurisdiction, whichever is greatest. This cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of the employees involved.		

The property shall comply with all City of Carter Lake zoning ordinance. All neighborhood covenants and easements are the responsibility of the builder or homeowner.

All property owners, HOA and others having interest in this project been contacted Yes No

ZONING INFORMATION

POOL ENCLOSURE

All Pools with a depth of eighteen (18) inches of greater, shall be completely surrounded by a barrier, fence or solid structure (house or garage wall) and shall have no opening, other than doors or gates, except as listed in 1 & 2 below.

- Minimum of six (6) foot high barrier, fence or solid structure is required for all pools (In-ground, partially in the ground, or above ground and all others, capable of holding water greater than forty-two (42) inches)
- Minimum forty-two (42) inches high barrier, fence or solid structure is required for all other pools capable of holding water from eighteen (18) to forty-two (42) inched in depth.

POOL LOCATION AND DISTANCE FROM PROPERTY LINE

- No part of a swimming pool, or its related structure shall be constructed with seven (7) feet of a property line, other wall, fence or other structure which can be readily climbed by children.
- Pools shall be located only in rear and shall not be located in front yards.

**Please make be certain that you want to proceed with this project when you submit your application.
The fees that you submit are not refundable once the application is submitted.**

PLAN SUBMITTAL REQUIREMENTS FOR SWIMMING POOLS AND SPAS

DRAWINGS SUBMITTAL: Two (2) copies of the following drawings are required. Drawings must be drawn to scale, dimensioned and of sufficient clarity. Drawings must be submitted along with a completed permit application form.

PROFESSIONAL CERTIFICATION: Depth of the swimming pool shall maintain a ratio of 1:1 from the nearest foundation up to a maximum depth of 5'-0" (i.e. for a depth of 5'-0" the pool must be located 5'-0" from the nearest foundation) otherwise an engineered drawing is required.

REQUIRED DRAWINGS: The following is a general outline of drawings necessary for plan review (Plan Examiner may request additional information if necessary).

1. Site plan must include all dimensions, (scale: 1"=20'-0") including location of pool in reference to the property line and all building locations. All easements must be shown on site plan and location, type, and height of pool spa barrier.
2. Pool plans must include all dimensions (scale: 1/8"=1'0" or 1/4"= 1"0")
3. Section through the pool structure must include all depth dimensions.
4. Equipment drawings' diagrams must include dimension in reference to property line.
5. All decking is required to be shown on the pool plans. Decking is prohibited in utility/electric easements.
6. Manufacturer's brochure or details of pool required for above ground pools.

NOTE:

1. Fences and barriers surrounding pools are subject to special requirements. **SEE POOL BARRIER REQUIREMENTS AND COMPLETE SEPARATE FENCE PERMIT APPLICATION IS REQUIRED.**
2. Self-contained units without hardwiring do not require an electrician to perform the work.
3. Pre-plaster inspection cannot be done unless the swimming pool barrier has been installed and approved.
4. Provide pool barrier information on the drawings; refer to glazing requirements of Chapter 3, of 2006 IRC. (Impact resistance glazing is required when the glazing is within 5 feet of a swimming pool or spa water's edge and the bottom edge of the glazing is less than 60" above the poolside of the glazing).
5. Where the fence is existing, it is the applicant's responsibility to upgrade the pool barrier to comply with the pool barrier requirements.
6. Where the pool and fence are existing and only the fence is being replaced, the fence has to comply with the pool barrier requirements.
7. Permit holder is responsible for requesting and completing all required inspections.
8. Public swimming pools and spas shall comply with Iowa Department of Health Standards for Public Swimming Pool and Spa. For copies of the Standard, contact the State of Iowa.
9. Diving board for residential pools (drawings required) shall comply with ANSI/NSPI-5 2003 Article 5.8, 5.9, 5.10.
10. Manufacturer's specifications required for diving equipment including pool type & maximum height above the water.

POOL BARRIER REQUIREMENTS FOR RESIDENTIAL POOL

An outdoor swimming pool, including an in-ground, aboveground 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 72 inches** (1828.8mm) 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 2 inches (51mm) 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 aboveground 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 4 inches (102mm).
2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102mm) sphere.
3. Solid barriers which do not have openings, such as masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. When the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143mm), the horizontal members shall be located on the swimming pool side of the fence, or shall be so constructed as to not provide a climbable surface. Spacing between vertical members shall not exceed 1.75 inches (44mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 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 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm) not exceed 1.75 inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 2.25-inch (57 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1.75 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 1.75 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:
 - a. The release mechanism shall be located on the pool side of the gate at least 6 inches (152 mm) below the top of the gate, and
 - b. The gate and barrier shall have not opening greater than 0.5 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a dwelling serves a 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 F1346; or
 - b. 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 means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(s) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
 - c. 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:
 - 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
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.

Indoor Swimming Pool. All walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

Prohibited Locations. Barrier shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

Barrier Exceptions. Spas or hot tubs with a safety cover which complies with ASTM F 1346, shall be exempt from the provisions of this appendix.