

CHAPTER 2
SWIMMING POOLS

Section

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§4-2-1: DEFINITIONS:

POOL AREA: An outdoor swimming pool (excluding appurtenant equipment) and the area surrounding it constructed and designed as a lounging area for use in conjunction with the pool.

The swimming pool shall comprise not less than thirty percent (30%) of the pool area; provided, however, that no portion of the pool area shall be more than twenty five feet (25') from the edge of the swimming pool.

SWIMMING POOL: A receptacle for water or an artificial pool of water having a depth at any point of two feet (2') or more, whether or not placed in an excavation. No swimming pool shall extend two feet six inches (2'6") or more above the pre-existing ground level or the average existing ground level around the perimeter of the subject swimming pool, whichever elevation is lower. A "swimming pool" includes all appurtenant equipment, such as, but not limited to, pumps, filters and disinfectant equipment.

(Ord. 74-51.1, passed 3-18-1974; Amd. Ord. 2021-14, passed 10-18-21)

§4-2-2: COMPLIANCE REQUIRED:

It shall be unlawful to construct, maintain, install or enlarge any swimming pool in the Village except in compliance with all the provisions of this Chapter. (Ord. 70-51, passed 6-5-1970)

§4-2-3: LOCATION:

No portion of an outdoor swimming pool shall be located less than twenty six feet (26') from any property line, or less than one hundred feet (100') from any residence on any other property if such residence is existing at the time of construction of the pool. No portion of any swimming pool shall be located within twenty feet (20') from any septic tank or any septic field. No part of any swimming pool shall be located between the front line of any residence on the parcel of land in question and any street abutting said parcel. For the purpose of this Section, the front line of any residence shall be a line drawn parallel to any road

abutting the parcel of land which intersects the point of the residence located closest to that road. (Ord. 70-51, 6-5-1970; Amd. Ord. 77-51.2, passed 4-18-1977; 1979 Code)

§4-2-4: PERMIT REQUIRED; FEES:

Prior to the construction, installation, enlargement or alteration of any swimming pool or appurtenances, a permit shall be obtained from the building officer. Drawings and plans shall first be presented to the building officer for examination and approval, and each pool shall be constructed in conformity with the approved plans. A permit also shall be required prior to the drainage or pumping of water from a swimming pool whereby more than five hundred (500) cubic feet of water are removed at any one time.

The fee for examination of plans required by this Section shall be one hundred twenty five dollars (\$125.00) and the fee for permits and inspection of construction shall be an additional three hundred twelve dollars and fifty cents (\$312.50). (Ord. 2005-103, passed 4-18-2005)

§4-2-5: INSPECTION:

The Building Inspector shall periodically inspect all swimming pools to determine whether or not the provisions of this Code regarding health, sanitation and safety applicable hereto are being complied with. (Ord. 70-51, passed 6-5-1970)

§4-2-6: CONSTRUCTION SPECIFICATIONS, POOL REQUIREMENTS:

- (A) Recirculation Pools: All swimming pools having a water surface area of two hundred fifty (250) square feet or more shall be of the recirculation type in which circulation of the water is maintained through the pool by pumps and the water drawn from the pool is clarified and disinfected before being returned to the pool.
- (B) Materials: Swimming pool walls and floors shall be constructed of any impervious material which will provide a tight tank with white or light colored finish and easily cleaned surfaces. The floor or bottom surface of the pool shall have a nonslip finish as smooth as possible. The side and end walls of a pool shall present a smooth finish and shall be vertical to a depth of at least six feet (6') or shall have a slope or curvature meeting one of the following conditions:
 - 1. The pool wall may be vertical for thirty inches (30") from the water level, below which the wall may be curved to the bottom with a radius at any point equal to the difference between the depth at that point and thirty inches (30").
 - 2. To a depth of six feet (6'), except as in subsection (C)1 of this section, the wall's slope shall not be less than one foot (1') horizontal in six feet (6') vertical.

(C) Structural Design: Swimming pools shall be designed to withstand the water pressure from within and to resist the pressure of the earth when the pool is empty, to a pressure of two thousand two hundred (2,200) pounds per square foot. The slope of the bottom of any part of a pool in which the water is less than five feet (5') in depth shall not be more than one foot (1') in each ten feet (10'). The maximum slope where water is five feet (5') or more in depth shall not exceed one foot (1') to two feet (2'). (Ord. 70-51, 6-5-1970)

(D) Fences Required:

1. Except as otherwise provided in Paragraph (F)(2) below:
 - (a) All pool areas shall be completely enclosed by a fence, provided that no such fence shall be necessary for any part of the pool area enclosed by the wall of a house.
 - (b) No such fence shall be located less than twenty feet (20') from any property line.
 - (c) All fence openings or points of entry into a pool area enclosure shall be equipped with gates. Such fence and gates shall be five feet (5') in height above the grade level and shall be constructed of a minimum number 9 gauge woven wire mesh corrosion-resistant material, or similar material through which the pool is visible from outside the fence area.
 - (d) Such fence and gates shall be so constructed that no sharp points or edges of wire or metal are exposed on any part thereof.
 - (e) All gates shall be equipped with self-closing and self-latching devices placed at the top of the gate.
 - (f) Fence posts shall be decay or corrosion-resistant and shall be set in concrete bases.
2. Notwithstanding the provisions of Subparagraph (F)(1) above, a swimming pool which is equipped with a fully-operational power safety cover which complies with ASTM F 1346-91(2018) shall not be required to comply with Subparagraph (F)(1) above. All swimming pool power safety covers are required to be maintained in proper operating condition.

(Ord. 74-51.1, 3-18-1974; Amd. Ord. 2018-08, passed 08-20-18)

(E) Steps or Ladders: At least two (2) or more means of egress in the form of steps or ladders shall be provided for all swimming pools, one of which shall be located at the deep end of the pool and one of which shall be located at the shallow end of the pool. Treads of steps and ladders shall be constructed of nonslip material and at least three inches (3") wide for their full length. Steps and ladders shall have a handrail on both sides.

(F) Inlets:

1. Swimming pool water recirculation system inlets shall be located so as to produce so far as possible uniform circulation of water throughout the pool without the existence of dead spots and to carry pool bottom deposits to the outlets, and shall discharge at a minimum depth of ten inches (10") below the pool overflow level. A minimum of one recirculation system inlet shall be provided for every six hundred fifteen (615) square feet of surface area of the pool.
2. Pools shall be equipped with suitable facilities for adding make-up water as needed. There shall be no physical connection between the water supply line and the pool system. If the make-up water is added directly to the pool, the outlet shall be at least six inches (6") above the upper rim of the pool. If the make-up water line discharges to a surge or balancing tank, the point of discharge shall be at least six inches (6") above the rim of the tank. If a hose connection from a sill cock or other plumbing fixture is to be used for supplying make-up water, then an

approved vacuum breaker shall be installed between the sill cock or control valve at the fixture and the hose connection. The vacuum breaker shall be installed at a height not less than seven feet six inches (7'6") above the floor, platform or ground upon which a person would stand when operating the sill cock or control valve. Maximum size of the fill pipe shall be two inches (2").

3. The system's supply recirculated water and make-up water to the pool shall be constructed in conformance with the Village ordinances regulating plumbing.

(I) Outlets:

1. In swimming pools, thirty feet (30') in width or less, water circulation system outlets shall be located so as to provide at least one outlet at the deepest point in the pool. If the pool width is more than thirty feet (30'), multiple outlets shall be provided and spaced not more than thirty feet (30') apart, nor closer than four feet (4') to any wall. All pool drain outlets shall be equipped with gratings having an area of openings not less than four (4) times the cross-sectional area of the outlet pipe. The gratings shall be of such design so they cannot be readily removable by bathers and will not injure bathers' fingers. One outlet shall be provided for each eight hundred (800) square feet of surface area.
2. Pools shall be equipped with facilities for completely emptying the pool and the discharge of the pool water shall be at a rate not exceeding two hundred (200) gallons per minute. (Ord. 70-51, passed 6-5-1970)
3. Water drained from the pools shall not be discharged during periods of rain or storms and shall not be discharged so as to drain across or onto adjacent property or across or onto a road in such a manner as to cause damage to any part of the road, including any swale or other drainage structure. (Ord. 77-51.1, 1977)
4. No pool shall be drained into any septic system or septic field or be drained in such manner as to cause such septic system or septic field to malfunction or to contribute to the malfunction of any such septic system or septic field.
5. All water shall be drained entirely upon the property on which the swimming pool is located and shall not flow on any adjoining property.

(J) Recirculation System and Appurtenances:

1. The swimming pool's recirculation system shall consist of pumping equipment, hair and lint catcher, filters, together with the necessary pipe connections to the pool inlets and outlets, facilities and pipe connections necessary for backwashing filters, and facilities and equipment for disinfecting the pool water.
2. Every swimming pool shall have a recirculating system with an hourly capacity equal to the pool volume divided by eight (8).
3. The recirculation system pump shall have sufficient capacity to discharge the volume of water required for an eight (8) hour turnover of the pool against the maximum head in the recirculating system.

4. The pump used for backwashing filters shall have sufficient capacity to provide a filter backwash rate of at least twelve (12) gallons per minute per square foot of filter area.
5. A hair and lint catcher or strainer shall be installed on the suction side of the circulation pump to prevent hair, lint and other extraneous matter from reaching the pump and filters. Hair and lint catchers shall be so designed that they can be easily dismantled for cleaning and inspection and shall be so located as to be easily accessible for cleaning. The design features shall be as follows:

Water passes through the strainer from the outside; the strainer is made of noncorrosive material; the width or diameter of strainer openings is not more than one-eighth inch ($\frac{1}{8}$ "); the area of the strainer openings shall be at least five (5) times the cross-sectional area of the inlet pipe to the strainer.

6. Recirculating systems shall contain rapid pressure filters. Sufficient filter area shall be provided to filter the entire contents of the pool in eighteen (18) hours at the rate of not more than three (3) gallons per square foot of filter area per minute. The filter backwashing facilities shall be sufficient to backwash at a rate of twelve (12) gallons per minute per square foot of filter area. All backwash water and effluents shall be discharged through an indirect connection. Pressure filters shall be equipped with readily accessible air relief valves, loss of head or pressure gauges on the inlet and outlet pipes, and an access head or hole large enough to permit the inspection, maintenance and repair work. Sight glasses that can be easily removed for cleaning shall be provided in the effluent line from the filter units.
7. Equipment shall be provided for the disinfection of all pool water. Any disinfection method using materials other than chlorine compounds shall be subject to the approval of the building inspector. Disinfection equipment installed for the use of chlorine compounds shall have sufficient capacity to maintain a minimum free chlorine residual of five-tenths (0.5) parts per million. The disinfectant shall be introduced into the recirculation system ahead of the filters.
8. Gaseous chlorination systems shall not be made use of as a disinfection method for pool water. (Ord. 70-51, passed 6-5-1970)

(Amd. Ord. 2021-14, passed 10-18-21)

§4-2-7: ELECTRICAL REQUIREMENTS:

- (A) All electrical installations provided for, installed and used in conjunction with private residential swimming pools shall be in conformance with the provisions of this Code regulating electrical installations.
- (B) No current carrying electrical conductors shall cross private residential swimming pools, either overhead or underground or within fifteen feet (15') of such pools.
- (C) All metal fences, enclosures or railings near or adjacent to swimming pools, which might become electrically alive as a result of contact with broken overhead conductors or from any other cause, shall be effectively grounded.
- (D) Underwater lighting fixtures shall be approved for the service.

(E) Receptacles shall not be used within the confines of the pool area.

(Ord. 70-51, passed 6-5-1970)

§4-2-8: SAFETY PRECAUTIONS:

Every swimming pool shall be equipped with one or more throwing ring buoys not more than fifteen inches (15") in diameter and having sixty feet (60') of three-sixteenths inch ($\frac{3}{16}$ ") manila line attached, and one or more light but strong poles with blunted ends and not less than twelve feet (12') in length, for making reach assists or rescues. (Ord. 70-51, passed 6-5-1970)

§4-2-9: NUISANCE:

Pools shall be operated with due consideration to the comfort and well-being of adjoining property owners. Lighting shall be directed so as not to constitute a nuisance or annoyance to other property owners. (Ord. 70-51, passed 6-5-1970)

(Amd. 2014 Code)