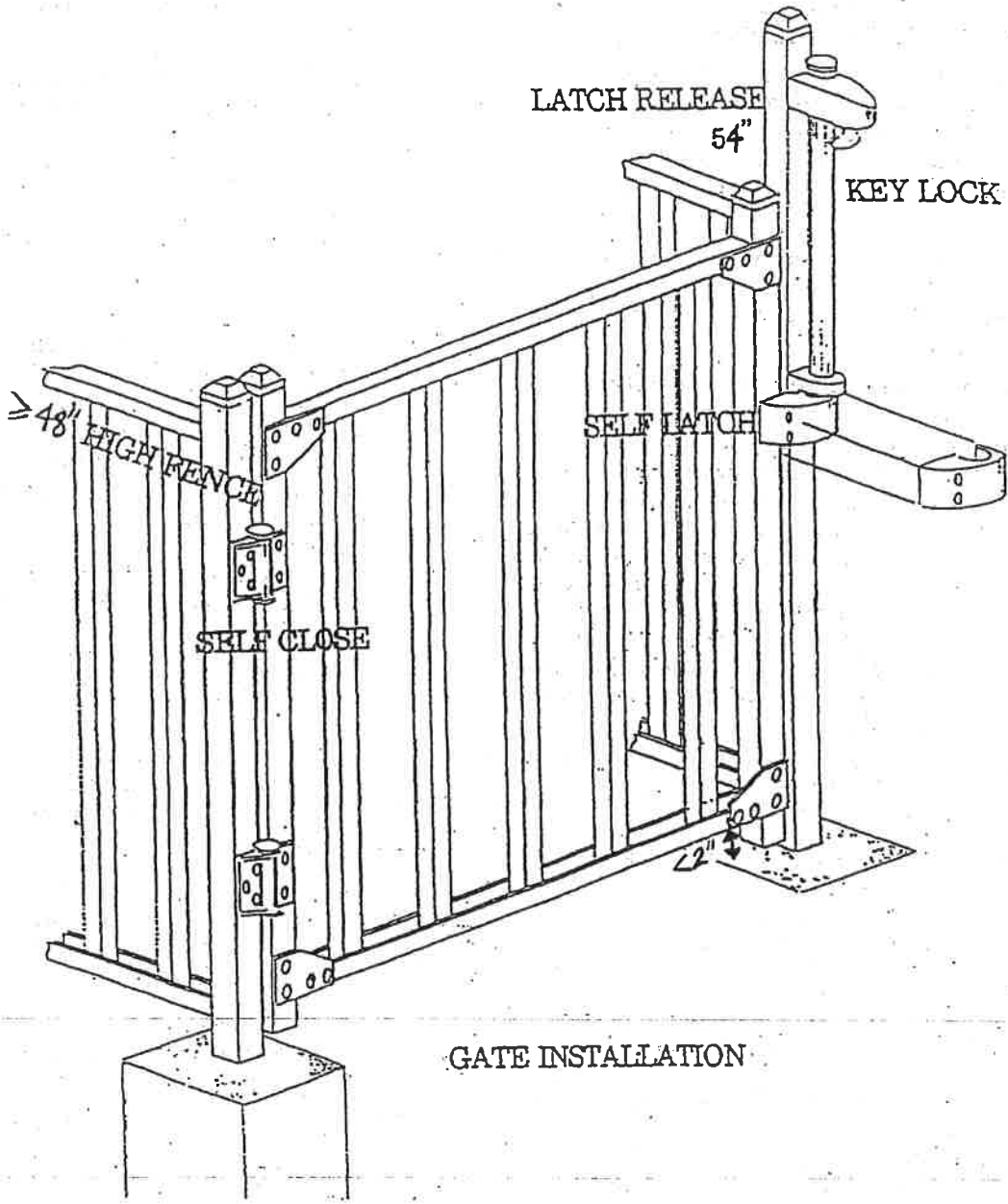


PLAN REVIEW CHECKLIST FOR SWIMMING POOLS

1. Provide electrical plan, including:
 - a. Plot layout of electrical work
 - b. Depth, type, size of conduit
 - c. Motor connections
 - d. Location of GFCI device(s)
 - e. Type of receptacle and cover
 - f. Size of cord to motor
 - g. Size of bond wire to pool motor
 - h. Size of all conductors
 - i. Protection of motor
 - j. Bonding grid specifications (in-ground pool)
2. Size of pool and type of construction (in-ground pool requires seal by a professional engineer). Include above-ground pool brochure for specifications.
3. Show existing and proposed grades and location of any retaining walls, their height, and type of construction.
4. Show location of pump, filter, heater, gas piping, and tank (include brochures for specifications).
5. Show distances from property lines, house, septic tank and field or pits.
6. Show location of fence and type of construction. Show gates and direction of swing. Include ladder/barrier brochure for above-ground pool.
7. Show location and size of patio, pavers, or deck to be constructed. Include deck details and specifications.
8. Details for diving board.



GATE INSTALLATION

ENCLOSURE FOR OUTDOOR PRIVATE SWIMMING POOL

SEPTIC AND WELL DISTANCE REFERENCE GUIDE

Habitable dwelling and commercial building

- 25 ft from basement to septic field disposal
- 15 ft from slab portion to septic field disposal
- 50 ft from basement to septic pit disposal
- 30 ft from slab portion to septic pit disposal
- 10 ft from basement to septic tank
- 5 ft from slab portion to septic tank
- 20 ft from any portion of a wood structure to a well
- 5 ft from any portion of a structure (other than wood) to a well
 - ❖ A well cannot be covered by any structure
 - ❖ No part of the septic system components or well shall be covered by; driveway, pool, addition, patios, deck*, etc.
 - ❖ A clearance of five feet shall be maintained from any portion of the septic system components to structures such as: garage, shed, deck, pole barn
 - DECK – can cover a septic tank if the distance between the bottom of the deck and the existing ground surface is a minimum of 6 ft and a backhoe can gain access to the tank

SWIMMING POOLS

IN - GROUND:

- 10 ft to septic tank
- 20 ft to septic field disposal
- 30 ft to septic pit disposal

ABOVE GROUND

- 5ft to all components of septic system (except. 15 ft to seepage pit)

BEDROOMS

- The addition of a bedroom in an existing home does require the upgrade of the septic system to current standards.

COMMERCIAL BUILDINGS

- Change of use in a building to a food establishment shall require the review by the health department before building permits are issued
 - *It is the responsibility of the applicant to accurately plot the septic system components on the submitted site plan for building permits when applicable. If no files exist depicting the accurate location of the septic system components, the applicant shall employ a licensed professional engineer to locate and certify the location and size of the septic system components under signature and seal.*

SECTION AG105 BARRIER REQUIREMENTS

AG105.1 Application. The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools, spas and hot tubs subject to this code.

AG105.2 Outdoor swimming pool. An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) 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 (51 mm) 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. 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 (102 mm).
2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled 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 (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 $\frac{3}{4}$ inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 $\frac{3}{4}$ 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). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 $\frac{3}{4}$ inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 2 $\frac{1}{4}$ -inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1 $\frac{3}{4}$ 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 $\frac{3}{4}$ 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:
 - 8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and
 - 8.2. The gate and barrier shall have no opening larger than $\frac{1}{2}$ inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
 9. Deleted.
 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:
 - 10.1. Deleted.
 - 10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 9.
- AG105.3 Indoor swimming pool.** Walls surrounding an indoor swimming pool shall comply with Section AG105.2, Items 1 through 7.
- AG105.4 Prohibited locations.** Barriers shall be located to prohibit permanent structures, *equipment* or similar objects from being used to climb them.
- AG105.5 Barrier exceptions.** Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.

FENCE CERTIFICATE

1. Please be advised that I am aware of the fact that a fence is required for safety reasons on any swimming pool over 24" deep.
2. I further state that I will install a temporary fence prior to filling the pool and will maintain it until the permanent fence is completed.
3. Within 30 days of the pool being filled with water, I will erect a permanent fence.
4. Failure to comply with the above will result in a \$2,000 fine.

Block Lot Date Owner

**TOWNSHIP OF HARDYSTON
CONSTRUCTION DEPARTMENT
REQUIRED INSPECTIONS**

PLEASE NOTE: It is mandatory to call for all inspections (973-825-1000). Requests for inspection must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time from which they are requested. It is the owner's responsibility to make sure that all work is inspected and approved. A complete copy of approved plans must be kept on the job site as per UCC requirements.

In-ground Swimming Pool:

Note: Three electric subcode inspections are also required – a trench, a rough & bonding, and a final.

- 1st - **Footing:** when the hole is dug, after concrete is poured.
- 2nd - **Final:** installation is complete (this includes a minimum four (4) feet high fence, with a self-latching gate, surrounding the entire pool area).

Above-ground Swimming Pool:

- 1st - All electric work **must** be inspected (same as in-ground).
- 2nd - **Final:** when installation is complete. Also check safety lock/ladder and barrier.

Swimming Pools Notice:

Swimming pool safety devices: Every person owning land on which there is situated a swimming pool, which contains twenty-four (24) inches or more of water in depth at any point, shall erect and maintain thereon an adequate enclosure either surrounding the property or pool area, sufficient to make such body of water inaccessible to small children. Such enclosure, including gates therein, must be not less than four (4) feet above the underlying ground: all gates must be self-latching, with latches placed 54 inches above the underlying ground or otherwise made inaccessible from the outside to small children. A natural barrier, hedge, pool cover or other protective device approved by the governing body may be used so long as the degree of protection afforded by the substituted devices or structures is not less than the protection afforded by the enclosure, gate and latch described herein.

403.9 Pools (Mandatory). Pools shall be provided with energy-conserving measures in accordance with Sections 403.9.1 through 403.9.3.

403.9.1 Pool heaters. All pool heaters shall be equipped with a readily *accessible* on-off switch to allow shutting off the heater without adjusting the thermostat setting. Pool heaters fired by natural gas shall not have continuously burning pilot lights.

403.9.2 Time switches. Time switches that can automatically turn off and on heaters and pumps according to a preset schedule shall be installed on swimming pool heaters and pumps.

Exceptions:

1. Where public health standards require 24-hour pump operation.
2. Where pumps are required to operate solar- and waste-heat-recovery pool heating systems.

403.9.3 Pool covers. Heated pools shall be equipped with a vapor-retardant pool cover on or at the water surface. Pools heated to more than 90°F (32°C) shall have a pool cover with a minimum insulation value of R-12.

Exception: Pools deriving over 60 percent of the energy for heating from site-recovered energy or solar energy source.