

THE CORPORATION OF THE CITY OF BRAMPTON

BY-LAW NUMBER 43-74

A By-law prescribing the height and description of, and the manner of erecting and maintaining, fences and gates around privately owned outdoor swimming pools.

THE COUNCIL OF THE CORPORATION of the City of Brampton ENACTS as follows:

Section 1 - DEFINITIONS

In this By-law

- (a) "Privately owned outdoor swimming pools" includes a body of water located outdoors on privately owned property, save and except any pond located on land zoned agricultural in the City Zoning By-law and used for agricultural purposes, which is contained in part or in whole by artificial means and which is designed to contain water to a depth of 24 inches or more and used or maintained for swimming, diving or bathing.
- (b) "Owner" includes lessee, tenant, or person in possession of all or part of the property on which a privately owned outdoor swimming pool is located.
- (c) "Service Entrance" means that entrance into a building which is normally used by persons entering such building for the purpose of delivering goods or rendering maintenance service as opposed to the main or principal entrance.

Section 2 - MINIMUM FENCE REQUIREMENTS

The owner of a privately owned outdoor swimming pool shall erect and maintain around such pool a chain link fence which for the purpose of this By-law includes vinyl, plastic and galvanized material, a wooden fence, a wrought iron fence, or a masonry fence, not less than four feet in height and not more than 6' (six feet) in height, designed and constructed in accordance with the specifications set out in this By-law. No such fence shall encroach on the front yard requirement of the Zoning By-law, nor shall it be set back less than four feet (4') from the perimeter of the pool.

(i) Chain Link Fence Construction:

The Chain Link Fence shall be of medium pipe construction with chain link mesh extending from the ground to the full height of not less than four feet (4'). The specifications for the chain link fence shall be:

- (a) Chain link mesh minimum of 12 gauge wire material with 2" maximum mesh,
- (b) Line posts minimum of 1-1/16" outside diameter, set in concrete,
- (c) Terminal posts minimum 1-7/8" outside diameter, set in concrete,
- (d) Top rail minimum of 1-5/16" outside diameter,
- (e) Wire along bottom of fence - 9 gauge,
- (f) Maximum distance between posts - 10 feet.

(ii) Wooden Fence Construction:

All wooden fences shall be erected to a full height of not less than four feet and comply with the following minimum requirements:

- (a) Line posts shall be 4" x 4", set in concrete.
- (b) Maximum distance between posts - 8 feet.
- (c) Horizontal frame - 2" x 4", not less than 4 feet apart when covered on the inside only.
- (d) Panels - All panels must be erected vertically and at a maximum of 3" above ground elevation.
- (e) Spacing of panels - 3-1/2" maximum.

(iii) Masonry Fence Construction:

A masonry fence of not less than 4 feet in height above finished lot grade and constructed in accordance with the following minimum specifications:

- (i) Foundation - concrete or masonry at a depth of 4 feet below finished lot grade;
- (ii) Piers - masonry fence to be supported by piers at 8 feet centres.

(iv) Wrought Iron Fence Construction:

- (a) Minimum Height - 4 feet.
- (b) 1-12" square tube 16 gauge capped posts, single or double style set in concrete.
- (c) 1" square tube 18 gauge horizontal bars spaced not less than 4 feet apart.
- (d) 1/2" round or square tube, 18 gauge vertical bars with maximum spacing of 3-1/2".

- (e) Vertical bars must be erected at a maximum of 3" above ground elevation.
- (f) Maximum distance between posts - 8 feet.
- (v) Above ground pools with a deck of a minimum of 4 feet in height above ground level will not be required to be fenced, provided, that above the deck there is a railing 32" in height with vertical standards with a maximum spacing of 4" and, further providing, that all structure below the deck is smooth faced and steps are provided to swing up to close the top railing with a locking device to secure them in a stationary position as a gate.

Section 3

1. Every fence or enclosure shall have a gate of chain link fencing, or of the same material as the fence. Every gate shall be of at least the same height as the fence, supported by hinges and equipment with self-closing, self-latching device located on the inside of the gate at or near the top.
2. No part of any fence or gate shall consist of barbed wire or possess equivalent dangerous characteristics.
3. When a wall of a building forms part of such enclosure, no main or service entrance to the building shall be located within the swimming pool area enclosure, except that this requirement shall not apply when the main entrance and all exterior service meters and intakes are located outside the enclosure and a sign is erected and maintained directing all service personnel to use the main entrance.
4. Every gate shall be kept closed and locked at all times when a competent person is not present supervising the swimming pool.
5. The existing lot drainage must not be affected by the installation of the pool.
6. No person shall fill a privately owned outdoor swimming pool with water until a fence in accordance with the provisions of this By-law has been erected completely around such swimming pool.

Section 4 - FEES:

An application for a Permit to erect such fence and gate or gates, pool or pool enclosure, together with drawings in duplicate showing all details of the proposed work shall be submitted to the Building Co-Ordinator and a permit obtained before proceeding with the erection.

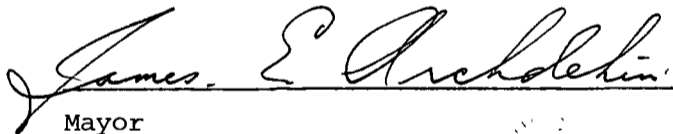
The Fees for such work are as follows:

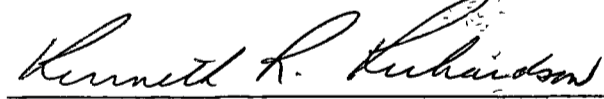
- (a) Pool & Fence - \$5.00 for the first \$1,000.00 or portion thereof of the estimated cost of pool and fence, plus
- (b) - \$3.00 for each additional \$1,000.00 or portion thereof.

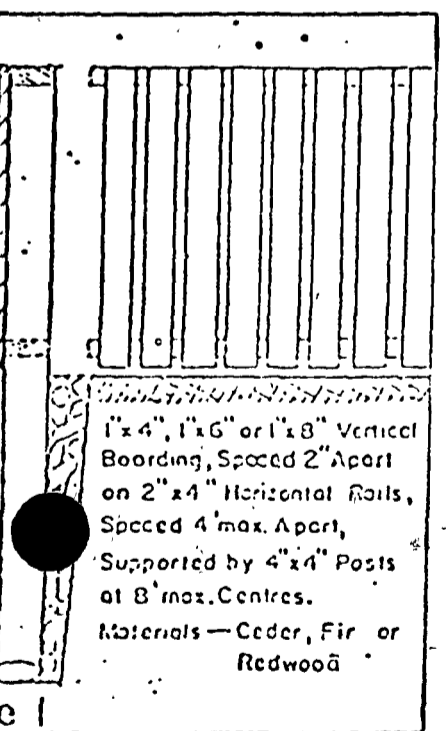
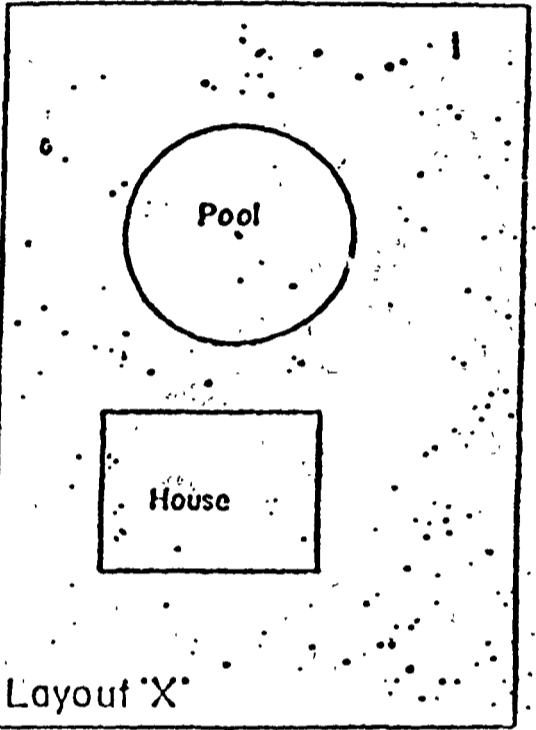
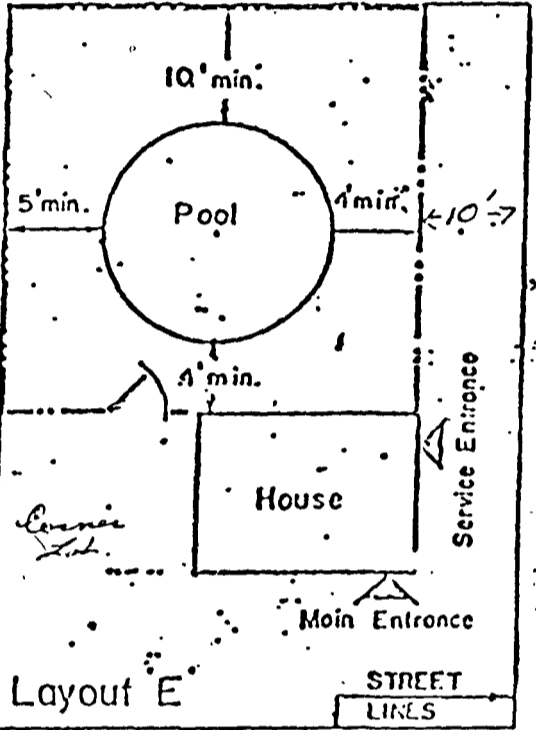
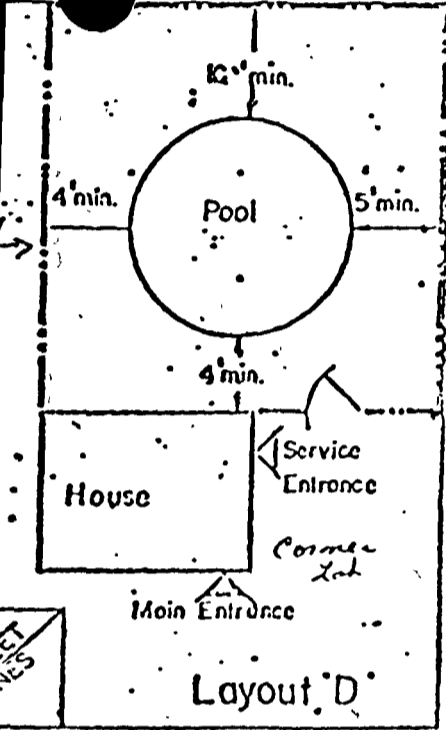
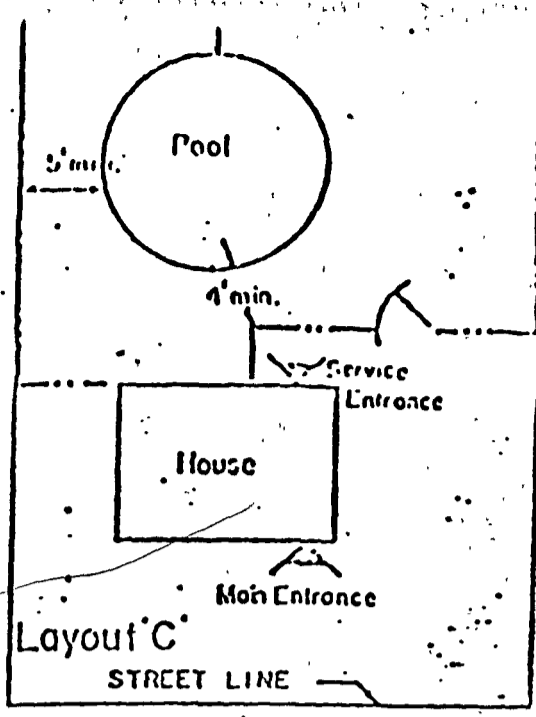
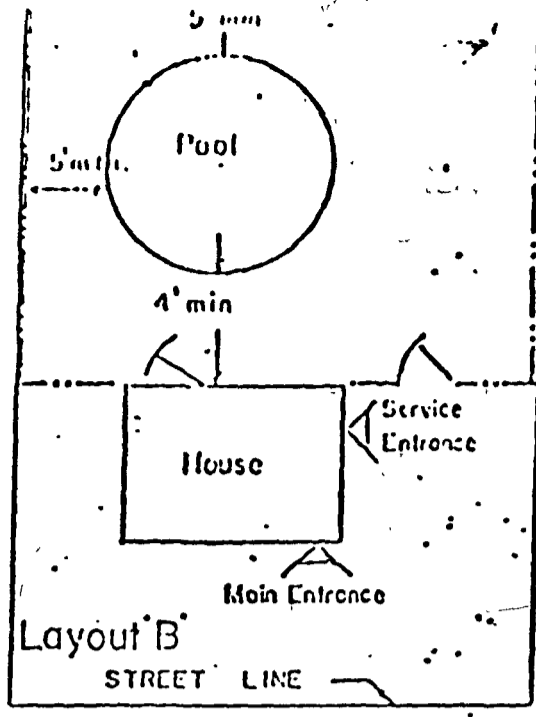
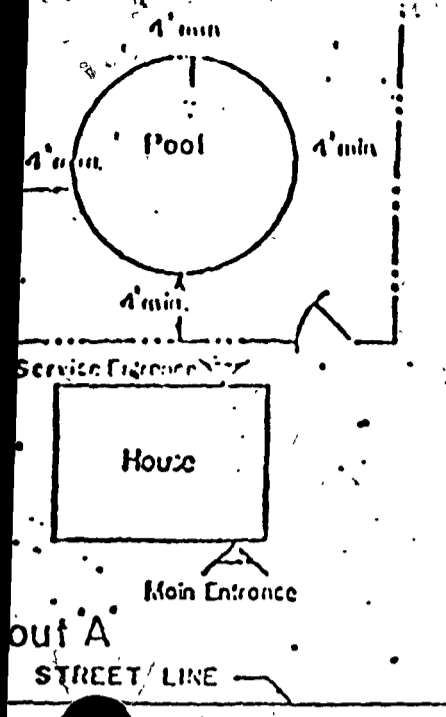
Section 5

Every person who contravenes this By-law shall, on summary conviction, be liable to a fine of not more than \$1,000.00 exclusive of costs.

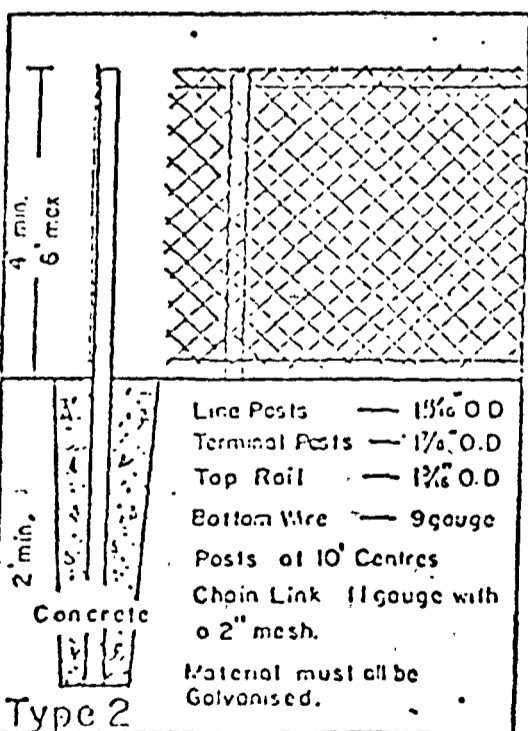
READ A FIRST, SECOND and THIRD TIME and PASSED in Open Council this 6th day of May, 1974.

  
\_\_\_\_\_  
Mayor

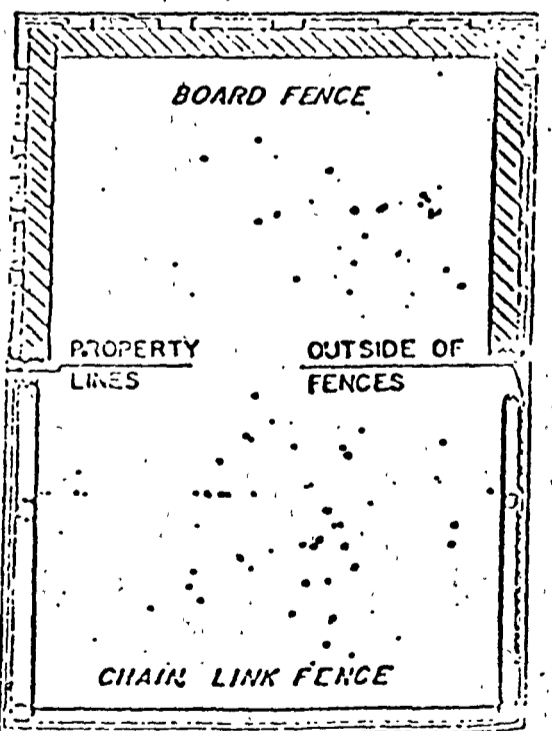
  
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Clerk



1"x4", 1"x6" or 1"x8" Vertical Boarding, Spaced 2" Apart on 2"x4" Horizontal Rails, Spaced 4' max. Apart, Supported by 4"x4" Posts at 8' max. Centres. Materials - Cedar, Fir or Redwood



Line Posts — 1 1/2" O.D.  
Terminal Posts — 1 3/4" O.D.  
Top Rail — 1 3/8" O.D.  
Bottom Wire — 9 gauge  
Posts at 10' Centres  
Chain Link 11 gauge with a 2" mesh.  
Material must all be Galvanized.



## — SWIMMING POOL ENCLOSURE GUIDE —

THIS SHEET IS INTENDED AS A GUIDE TO THE INFORMATION REQUIRED WHEN MAKING APPLICATION TO ERECT A POOL AND/OR FENCE. SHOW ALSO DISTANCES FROM HOUSE TO POOL AND FROM FENCE TO POOL. IF YOUR LAYOUT IS THE SAME AS LAYOUTS D OR E ABOVE, THEN SIMPLY FILL IN THE SPECIFICATION AT RIGHT. IF OTHER SHOW ON LAYOUT 'X'

SPECIFICATION  
LAYOUT  
FENCE TYPE

ALL GATES TO BE SELF-CLOSING WITH A SELF-LATCHING DEVICE AT TOP INSIDE OF GATE

Ontario Hydro

RECEIVED

APR 24 1968

A.M.

P.M.

Ontario Hydro  
620 University Avenue  
Toronto 2, Ontario, Canada  
Telephone 368-6700

April 19, 1968

NOTICE

Address reply attention of

K.L. Bellamy, Chief Electrical Inspector

ELECTRICAL REGULATIONS—SWIMMING POOLS

Ontario swimming pools with underwater lighting are now subject to revised regulations. Along with other changes, it is now mandatory to install an approved ground current leakage detecting device in the branch circuits supplying swimming pool lighting fixtures.

As of May 1, 1968, all new pools being constructed must include the device, and by November 1, 1968, all existing pools with underwater lighting are required to have it.

The device cuts off circuits instantaneously after the smallest amount of current leakage occurs. A number of manufacturers have equipment approved by the Canadian Standards Association after rigorous testing, and the units are now available in Ontario.

Attached is a copy of Section 68—Swimming Pools—of the Ontario Electrical Code. The requirements that have now been revised and adopted for implementation on the aforementioned dates, are marked with an asterisk.

These changes have been prompted by a fatality that occurred in a swimming pool last year, due to faulty underwater lighting. In order to ensure that the electrical installations in swimming pools are safe, your early compliance with the revised Regulations is requested.

ELECTRICAL INSPECTION DEPT.  
ONTARIO HYDRO.

Enc.

ONTARIO ELECTRICAL CODE  
SECTION 68 - SWIMMING POOLS

68-000 Scope

(1) This Section applies to the construction of swimming pools and to the installation of electric wiring for equipment in or adjacent to swimming pools, to non-electrical metallic accessories in the pool or within 5 feet of the inside walls of the pool, and to auxiliary equipment such as pumps, filters and similar equipment

(2) A wading pool shall be considered to be a swimming pool.

(3) The electrical equipment or wiring shall not be installed in the water nor in the enclosing walls of a pool, except as provided for in this Section.

(4) The requirements of this Section are supplementary to or amendatory of the general requirements of this Code.

\*68-002 Lighting

(1) Lighting fixtures installed below the pool surface shall comply with the following:

(a) The operating voltage of a fixture or a transformer directly supplying a fixture shall not exceed 150 volts,

(b) A non metallic fixture shall not be used with a grounded power supply;

(c) Metal parts of fixtures or forming shells in contact with the pool water shall be of brass or other suitable corrosion resistant metal;

(d) Approved metal forming shells shall be installed for the mounting of all wet-niche fixtures and shall be equipped with provision for a threaded connection to rigid metallic conduit,

(e) Fixtures acceptable for the purpose and accessible for maintenance, may be installed outside the walls of the pool in closed recesses which are adequately drained (i.e. dry-niche construction)

(2) The branch circuits supplying the lighting fixtures shall be protected by an approved ground current leakage detecting device which will automatically de-energize the circuits in 0.03 seconds or less when the leakage current exceeds 10 milliamperes.

(3) The current leakage detecting device specified in Subrule (2) shall be applied to either the feeder circuit or the subfeeder circuit.

(4) The provisions of Subrule (2) shall also apply to overhead lights unless such lights are carried on separate circuits and are located more than 10 feet above the pool deck.

(5) The current leakage detecting device specified in Subrule (2) shall be equipped with an approved test-button device adapted to indicate whether or not the current leakage detecting device is in operating condition

(6) The test-button device specified in Subrule (5) shall be operated at least once during every 24-hour period before the pool is used

(7) A sign shall be erected in a conspicuous location adjacent to the switch controlling the pool lights and shall contain the following words printed in type at least one-half inch in height.

"WARNING: These lighting circuits are protected by a special safety device which must be tested daily by means of the test-button before the pool is used."

68-004 Junction Boxes

(1) Junction boxes installed on the supply side of conduits extending to forming shells shall be provided with threaded openings for conduit entrance and shall be constructed of brass or other suitable corrosion resistant metal.

(2) Boxes shall be provided with means inside the box for independently terminating at least two grounding conductors.

(3) The boxes shall not contain the conductors of any circuits other than those used exclusively to supply the underwater lights

(4) Junction boxes shall be installed so as to be above the maximum water level unless provided with suitable means such as a gland to seal the cord entry and prevent the entrance of water from the pool.

68-006 Transformers and Transformer Enclosures

(1) Transformers, if exposed to the weather, shall have weatherproof enclosures.

(2) Transformers, if located within 10 feet of the pool, so as to be exposed to splashing from the pool, shall have enclosures of splash-proof construction.

(3) Transformers directly supplying fixtures below the pool surface together with the transformer enclosure, shall be approved for the purpose and the transformers shall be of the two-winding type having a grounded metal barrier between the primary and secondary windings.

\*68-008 Wiring Method

(1) Rigid conduit of copper or other suitable corrosion resistant metal shall be provided between the forming shell of fixtures installed below the pool surface and the junction box referred to in Rule 68-004.

(2) The wiring method between the wet-niche fixtures and the junction boxes referred in Rule 68-004, shall be flexible cord suitable for use in wet locations and be supplied as a part of the fixture.

(3) The wiring system shall be run in a metallically-enclosed system.

(4) For lighting of the dry-niche type, the wiring system shall be exposed where practicable

\*68-010 Receptacles

(1) Receptacles shall not be installed within 10 feet of the inside walls of a swimming pool except that specific use receptacles may be provided by special permission within ten feet, but not closer than five feet, of the inside walls of the pool for the use of special equipment such as portable filter pumps and similar equipment

(2) Where specific use receptacles are provided within ten feet of the inside walls of the pool, as referred to in Subrule (1), they shall be of a type which will not accept a plug cap of the type normally used on cords for portable devices

(3) In maintaining the 10 foot dimension referred to in Subrule (1) the distance to be measured is the shortest path which the supply cord of an appliance connected to the receptacle would follow without piercing a building floor, wall, or ceiling

(4) The branch circuits supplying specific-use receptacles shall be protected in the same manner as the branch circuits supplying the lighting fixtures

(5) The branch circuits supplying specific-use receptacles may be protected by the same ground current leakage detecting device used to protect the branch circuits supplying the lighting fixtures or by a separate ground current leakage detecting device.

\*68-012 Grounding and Bonding

(1) All non-current carrying metal parts of the electrical system including forming shells and forming ports shall be bonded together and grounded by a continuous conductor which supplements the bonding and grounding inherent in the wiring system

(2) The supplementary bonding and grounding conductor shall be

(a) Not less than No 8 AWG copper conductor where installed outside of a raceway or cable, or

(b) Not less than No 12 AWG copper conductor where inside of a raceway; and

(c) Finished to show a green colour, if insulated

(3) The grounding conductor for wet-niche fixtures shall not be smaller than No 14 AWG.

(4) The grounding conductor from the junction box referred to in Rule 68-004 shall be run unbroken to the distribution panel.

(5) The grounding conductor shall be exposed where practicable when installed in accordance with clause (a) of Subrule (2).

68-014 Overhead Wiring

Supply service conductors or open overhead wiring shall not be installed above a swimming pool, diving structure, observation stands, towers or platforms, or above the area extending 10 feet horizontally from the pool edge, without the permission of an inspector designated by the Inspection Department for the purposes of this rule.

\* EFFECTIVE DATE

The electric wiring for equipment in or adjacent to swimming pools that exist when this regulation comes into force shall comply with the revised Rules as follows.

Rule 68-002

Rule 68-008

Rule 68-010

Rule 68-012

not later than the 1st day of November 1968.