



**SOUTHERN NEVADA  
AMENDMENTS**

**TO THE**

**2012 INTERNATIONAL SWIMMING POOL  
AND SPA CODE**

## **PREFACE**

This document was developed by the Southern Nevada Building Officials' Pool Code Committee and presents recommended amendments to the 2012 International Swimming Pool and Spa Code (ISPSC) as published by the International Code Council (ICC).

Participation in the 2012 Pool Code Committee was open to all interested parties. However, voting on amendment proposals was limited to one vote each for the seven Southern Nevada municipalities (Clark County, Henderson, Las Vegas, North Las Vegas, Boulder City, Pahrump, and Mesquite), the Clark County School District, and three industry representatives. All Pool Code Committee proceedings were conducted in accordance with Robert's Rules of Order.

The recommended amendments contained herein are not code unless adopted and codified by governmental jurisdictions. These amendments are not intended to prevent the use of any material or method of construction not specifically prescribed herein, provided any alternates have been approved and their use authorized by the Building Official. This document may be copied and used in whole or in part without permission or approval from the organizations listed on the cover page.

## **ADOPTION BY CLARK COUNTY**

Adopted by action of the Clark County Commission on August 20, 2013 for correlation with the 2012 International Swimming Pool and Spa Code. This document and the 2012 Swimming Pool and Spa Code shall be effective on July 7, 2014.

## TABLE OF CONTENTS

<b>Section 101 General.....</b>	<b>4</b>
<b>Section 202 Definitions.....</b>	<b>4</b>
<b>Section 302.7 Tests.....</b>	<b>5</b>
<b>Section 304 Flood Hazard Areas.....</b>	<b>5</b>
<b>Section 305 Barrier Requirements.....</b>	<b>5</b>
<b>Section 307.1 General.....</b>	<b>10</b>
<b>Section 307.4 Structural Design.....</b>	<b>10</b>
<b>Section 307.5 Freeze Protection .....</b>	<b>11</b>
<b>Section 307.7 Colors and Finishes .....</b>	<b>11</b>
<b>Section 308.1 Floor Slope.....</b>	<b>12</b>
<b>Section 308.2 Walls.....</b>	<b>12</b>
<b>Section 311.2.2 Servicing .....</b>	<b>12</b>
<b>Section 311.2.4 Adequate Drainage.....</b>	<b>12</b>
<b>Section 313.4 Location .....</b>	<b>13</b>
<b>Section 313.7 Emergency Shutoff Switch .....</b>	<b>13</b>
<b>Section 315.5 Equalizers. ....</b>	<b>13</b>
<b>Section 320.1 Backwash Water or Draining Water .....</b>	<b>13</b>
<b>Section 321.4 Residential Pool and Deck Illumination .....</b>	<b>13</b>
<b>Section 323.1 Handholds Required .....</b>	<b>14</b>
<b>Section 324 Wind Sensors .....</b>	<b>14</b>
<b>Section 325 Water Features .....</b>	<b>14</b>
<b>Section 326 Site Work, Setbacks, and Clearance Requirements.....</b>	<b>14</b>
<b>Section 401.1 Public Swimming Pools .....</b>	<b>15</b>

## Section 101 General

*Delete Chapter 1 in its entirety except Section 101. Revise Sections 101.1 and 101.2, as follows:*

**101.1 Title.** These provisions shall be known as the International Swimming Pool and Spa Code, hereinafter referred to as “this code”.

**101.2 Scope.** The provisions of this code apply to the construction, alteration, movement, renovation, replacement, repair and maintenance or use of aquatic vessels. Where this code refers to codes not adopted by the jurisdiction, the applicable code adopted by the jurisdiction shall govern.

## Section 202 Definitions

*Add new definitions to Section 202, as follows:*

**MANMADE DECORATIVE WATER FEATURE:** Any manmade stream, fountain, waterfall, or other water feature that does not meet the definition of an aquatic vessel and contains water that flows or that is sprayed into the air, constructed for decorative, scenic or landscape purposes. Any manmade decorative water feature greater than 18 inches (457 mm) of maximum water depth shall meet the requirements of a swimming pool as specified in Chapters 3 through 10.

**Exceptions:** The following bodies of water shall be exempt from these requirements:

(A) Manmade lakes as defined in local ordinance or administrative code.

(B) Aquatic vessels regulated by this document or administrative code.

(C) Water feature not greater than 18 inches (457 mm) of maximum water level, used in conjunction with and on the same property as a single-family residence, and available only to the family of the householder or their private guests.

**MANUFACTURED POOL OR SPA.** A listed pool, spa or water feature that is manufactured or constructed at another location, transported to the property, and placed and/or assembled at the property.

**UNBLOCKABLE OUTLET:** An outlet of any size and shape such that a representation of the torso of the 99 percentile adult male cannot sufficiently block it to the extent that it creates a body suction entrapment hazard. The torso is represented as a rectangle 18 inches x 23 inches (457mm x 584mm) with corners of radius 4 inches (102mm).

*Revise the definition of Aquatic Vessel, as follows:*

**Aquatic vessel.** A vessel, permanent or temporary, intended for swimming, bathing, or wading and that is designed and manufactured to be connected to a circulation system. Portable vessels 48 inches (1220 mm) or less in designed water depth which are drained and filled daily are not considered aquatic vessels. For purpose of this code, the term is used to identify all types of vessels governed by this code, including: swimming pools, aquatic facilities, spas and hot tubs, and related equipment. Such vessels are either used in a residential application or in a public application.

### **Section 302.7 Tests.**

*Revise Section 302.7, as follows:*

**302.7 Tests.** Tests on water piping systems constructed of plastic piping shall not use compressed air for the test.

### **Section 304 Flood Hazard Areas**

*Delete Section 304 in its entirety.*

### **Section 305 Barrier Requirements**

*Revise the entire barrier requirements section of the code to comply with the local requirement of a 5 foot primary barrier and a 4 foot secondary barrier, as follows:*

**305.1 General.** The provisions of this section shall apply to the design of barriers for aquatic vessels. These design controls are intended to provide protection against the potential drowning and near drowning by restricting access to such vessels. These requirements provide an integrated level of protection against potential drowning through the use of physical barriers and warning devices.

**Exception:** Spas and hot tubs with a lockable safety cover that complies with ASTM F 1346.

**305.2 Aquatic vessels.** All outdoor aquatic vessels and indoor swimming pools shall be surrounded by a barrier that complies with Sections 305.2.1 through 305.10.

**Exception:** All aquatic vessels or water features with a maximum water depth 18" and less.

**305.2.1 Barrier height and clearances.** The top of the barrier shall not be less than 60 inches (1524 mm) in height above adjacent grade measured from outside the enclosed area or 8 feet (2.4 m) vertical, non-climbable barrier, measured on the inside. The

vertical clearance between grade and the bottom of the barrier shall be 4 inches (101.6 mm) maximum. When permanently installed pools or spas are in adjacent yards the common barrier may be reduced to 48 inches (1219.2 mm) on either side.

**305.2.2 Wrought Iron.** Wrought iron fence with open guardrails shall have intermediate rails or an ornamental pattern such that a sphere 4 inches (101.6 mm) in diameter cannot pass. Horizontal support members shall be spaced at least 32 inches (813 mm) apart and shall comply with Section 305.2.1.

**305.2.2.1 Wrought Iron with Masonry.** Mixed use of masonry and wrought iron walls shall comply with all of the following:

(1) Masonry or wrought iron portion of the wall shall be a minimum of 32 inches (813 mm) in height.

(2) The wrought iron portion of the wall shall comply with Sections 305.2.1 and 305.2.2 with a maximum of two horizontal members, one near the bottom, within 4 inches (101.6 mm) of the masonry wall below, and one a minimum of 60 inches (1524 mm) above grade.

**305.2.3 Solid barrier surfaces.** Solid barriers that do not have openings shall not contain indentations or protrusions that form handholds and footholds, except for normal construction tolerances and tooled masonry joints.

**305.2.4 Chain link dimensions.** The maximum opening formed by a chain link fence shall be not more than 1.25 inches. Where the fence is provided with slats fastened at the top and bottom which reduces the openings, such openings shall be not more than 1.25 inches. The fence shall have top and bottom horizontal supports. The fence height must be a minimum of 60 inches (1524 mm) and shall be constructed of not less than 11 gauge wire.

**305.2.5 Diagonal members.** Where the barrier is composed of diagonal members, the maximum opening formed by the diagonal members shall be no more than 1.25 inches (44 mm). The angle of diagonal members shall not be greater than 45 degrees (0.79 rad) from vertical.

**305.3 Gates.** Access gates shall comply with the requirements of Sections 305.3.1 through 305.3.3 and shall be equipped to accommodate a locking device.

**305.3.1 Gates or Doors.** All single gates or doors 8 feet (2.4 m) or less in width shall meet the following requirements:

- (1) Gates and doors shall be self-closing and self-latching.
- (2) Gates shall open outward from the enclosed pool area.

**305.3.2 Latching Devices.** The self-latching devices of gates or doors shall be one of the following:

(1) A device that is an ASTM F-1908-08 approved latching device. It shall be installed per the manufacturer's installation instructions.

(2) A device mounted inside the enclosed area and be designed to be inoperable from outside the enclosed area. Manual catch latch devices shall not be less than

3 inches (76 mm) or more than 6 inches (152.4 mm) below the top of the door or gate. It shall be inaccessible from outside the enclosed area for a distance of 20 inches (508 mm) in all directions from the latch except that an opening not greater than 1/4 inch (6 mm) diameter shall be permitted. This protection is not required to extend above the top of the gate.

(3) Keyed lockset devices shall be mounted at any height above grade.

**305.3.3** No other device shall impede operation or obstruct closing of self-latching device.

**305.4 Large Access Barrier Gates.** Single access barrier gates, greater than 8 feet (2.4 m) in width, shall be equipped with protected self-latching, lockable hardware and shall remain locked at all times when not in use.

**Exception:** Electronic remote latches without manual devices and panic hardware where required shall not be subject to height restrictions.

**305.5 Double Gates.** Double gates integral to perimeter fences shall comply with the requirements of Section 305.4 and shall be permanently locked. If double gates are used as the only access to the yard, one gate shall be pinned and locked in the closed position and the adjoining gate must meet the requirements of Section 305.3.1.

**305.6 Electric Operated Gates.** Electric operated gates shall start to close within 30 seconds of entry.

**305.7 Key Operated Devices.** Key-operated, self-latching locks that are integral to the gate or door may be used as latching devices, as long as they are permanently locked from the outside and comply with the above installation requirements.

**305.8 Secondary Access Barrier Requirement.** An additional barrier that isolates all openings in the dwelling unit from the residential pool or spa shall be erected. The barrier shall be a minimum of 48 inches (1219 mm) in height and shall not allow the passage of a sphere 4 inches (102 mm) in diameter. All gates shall be self-closing and latching at the top of the barrier. No other device shall impede operation or obstruct the closing of self-latching gate.

**305.8.1 Option one.** Mesh fencing, other than chain link fences in accordance with Section 305.2.4, shall be installed in accordance with the manufacturer's instructions and shall comply with the following:

1. The top of the barrier shall be not less than 48 inches (1524 mm) above grade measured on the side of the barrier that faces away from the aquatic vessel.
2. The bottom of the mesh restraining fence shall be not more than 1 inch (25 mm) above the deck or installed surface or grade.
3. The maximum vertical clearance from the bottom of the mesh fence and the solid surface shall not permit the fence to be lifted more than 4 inches (102 mm) from grade or decking.

4. The fence shall be designed and constructed so that it does not allow passage of a 4-inch sphere under or through any mesh panel.
5. An attachment device shall attach each barrier section at a height not lower than 45 inches (1143 mm) above grade. Common attachment devices include, but are not limited to, devices that provide the security equal to or greater than that of a hook-and-eye-type latch incorporating a spring-actuated retaining lever such as a safety gate hook.
6. Where a hinged gate is used with a mesh barrier, the gate shall comply with Section 305.3.
7. Patio deck sleeves such as vertical post receptacles which are placed inside the patio surface shall be of a nonconductive material.

**305.8.2 Option two.** Self-closing and self-latching devices installed on all openings in dwelling unit that provide direct access to the pool or spa. Openings to include doors; operable windows with a sill height of 48 inches (1219 mm) or less; and pet doors allowing the passage of a sphere of 4 inches (102 mm) in diameter.

**Exception:**

1. Operable windows with a sill height less than 48 inches (1219mm) with a manufacturer installed permanent locking or latching mechanism mounted not less than 54" from floor.
2. Self-closing, self latching pet doors approved by the building official.

**305.8.3 Option three.** An alarm installed on all openings in dwelling unit that provide direct access to the pool or spa. Openings to include doors; operable windows with a sill height of 48 inches or less; and pet doors allowing the passage of a sphere of 4 inches (102 mm) in diameter. The alarm shall be listed to meet UL Standard 2017 for Residential Water Hazard Entrance Alarms. The alarm shall sound continuously for a minimum of 30 seconds within 7 seconds after the door is opened, and be a minimum of capable of providing 85 dB when measured indoors at 10 feet (3.05 m). The alarm shall automatically reset under all conditions. The alarm shall be equipped with a manual means, such as a touch pad or switch, to temporarily deactivate the alarm for a single opening. The deactivation switch shall be located at least 54 inches (1372 mm) above the threshold of the door.

**Exception:**

1. Operable windows with a sill height less than 48 inches (1219mm) with a manufacturer installed permanent locking or latching mechanism mounted not less than 54" from floor.
2. Self closing, self latching pet doors approved by the building official.

In dwellings or structures not required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located 54 inches (1372 mm) or more above the threshold of the door. In dwellings or structures required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1219 mm) above the threshold of the door.



**305.8.4 Option four.** A pool motion device, laser or light beam activation alarm system permanently installed that provides an active barrier within the pool or across the access to the pool from the dwelling unit or installed around the entire perimeter of the pool. The device shall sound an alarm of at least 85 dB both inside and outside of the home when activated. The alarm must automatically reset after alarming. The device and alarm shall meet ASTM F2208-08 and be listed.

**305.8.5 Option five.** Power safety covers installed that comply with ASTM F1346-03.

**305.8.6 Option six.** An approved alternate means of protection, such as self-closing doors with self-latching devices, provided that the degree of protection afforded is not less than the protection afforded by sections 305.8.1 through 305.8.5.

**305.9 Natural barriers.** In the case where the vessel area abuts the edge of a lake or other natural body of water, public access is not permitted or allowed along the shoreline, and required barriers extend to and beyond the water's edge a minimum of 18 inches, a barrier is not required between the natural body of water shoreline and the vessel.

**305.10 Natural topography.** Natural topography that prevents direct access to the aquatic vessel area shall include but not be limited to mountains and natural rock formations. A natural barrier approved by the governing body shall be acceptable provided that the degree of protection is not less than the protection afforded by manufactured or constructed means.

**305.11 Safety Glazing.** Glazing adjacent to aquatic vessels shall comply with the glazing requirements of the IBC or IRC. Glazing in walls and fences within 60 inches (1524 mm) or less, measured horizontally from the water's edge and less than 60 inches (1524 mm) measured vertically above grade shall be considered hazardous locations. In these locations, tempered glazing, laminated glass or Plexiglas shall be used.

**305.12 Barrier Timeliness.** All required access barrier elements shall be installed prior to:

- (1) Installation of a pre-manufactured pool or spa.
- (2) The pre-plaster inspection of a conventionally constructed pool or spa.
- (3) The filling of any water feature.

**305.13 Surveillance Substitute.** In lieu of access barriers required by this code, resort hotel facilities and therapeutic facilities used by or under the direct control of licensed medical personnel may provide a dedicated guard so that observation is maintained at all times. An alternate method may be submitted in writing and approved by the Building Official. Such submittal shall become a permanent part of the job record.

**305.14 Responsible Party.** The owners of the property upon which pools, spas or artificial bodies of water are located are responsible to establish and maintain access barriers. The owner or developer of land adjacent to an access barrier required by this section shall not reduce, degrade, or infringe on the access barrier's compliance with this code.

**305.15 Alternate Materials or Methods:** An application for alternate materials or methods must be reviewed and approved by the Building Official for any proposed access barrier which does

not meet the requirements of this code. If approved by the Building Official, the owner remains responsible for establishing and maintaining such approved alternate materials or methods.

## **Section 307.1 General**

*Revise Section 307.1, as follows:*

**307.1 General.** The provisions of this section apply to all aquatic vessels.

### **Exceptions:**

1. The provisions of Sections 307.3 through 307.6 do not apply to listed and labeled portable residential spas and listed and labeled portable residential exercise spas.
2. The provisions of Sections 307.3 through 307.6 do not apply to manufactured pools or spas.

## **Section 307.4 Structural Design**

*Revise Section 307.4 and add Subsection 307.4.2 thru 307.4.6 as follows:*

**307.4. Structural design.** The structural design of aquatic vessels shall be in accordance with the International Building Code and shall be performed by a registered design professional. Construction documents (material specifications, sections and details) shall be wet sealed and signed by the registered design professional. Approved, listed manufactured pools, spas, and water features shall be installed in accordance with manufacturer's installation instructions and their approved listing.

**307.4.1 Installation.** Equipment for aquatic vessels shall be supported to prevent damage from misalignment and settling and located so as to allow access for inspection, servicing, removal and repair of component parts.

**307.4.2 Geotechnical Investigation Report.** All areas of Southern Nevada shall have a geotechnical investigation report at completion of excavation or prior to permit application.

Geotechnical investigation reports shall be prepared and sealed by a registered design professional. The report shall include soil classification by the Unified Soil Classification System (ASTM D 2487). As an alternative, classification may be performed on a visual-manual basis (ASTM D 2488) in the field by an individual with: a degree in civil engineering; engineering geology; geologic engineering; or geology; or a Civil/Geological Engineer licensed in the State of Nevada. Backup data shall include a particle size distribution analysis, Atterberg limits and chemical tests for soil sulfates.

The report shall specifically address the potential negative impacts of the following adverse soil conditions including, but not limited to: collapsible soils, expansive soils (swell), soluble soils, corrosive soils (including sulfates), chemical heave, and

uncontrolled fill. The report shall include supporting test data and where any of these conditions are identified on-site, mitigating measures shall be provided based upon the identified conditions. The requirements for any imported fill shall specifically address all of the above adverse conditions as well.

**Exceptions:**

1. The site is outside the special geologic consideration zone identified on the current Clark County Soils Guideline Map.
2. Any aquatic vessel with a depth less than four (4) feet (1220mm) in depth.
3. At the option of the Building Official.

When a geotechnical investigation report is not required by the building official, the minimum design at-rest pressure shall be 60 psf/ft and an Exposure Class S2 (severe sulfate exposure level). Design lateral pressure from surcharge loads shall be added to the lateral earth pressure. However lateral earth pressure due to seismic motion need not be included in the design.

**307.4.3 Ground Water Protection.** If groundwater is present, a hydrostatic valve shall be installed at the lowest point; or other approved means shall be provided to prevent buoyant uplift.

**307.4.4 Site Condition.** That portion of the pool wall within a horizontal distance of 7 feet (2134 mm) from the top of the slope shall be capable of supporting the water in the pool without soil support

**307.4.5 Bond Beam.** A continuous bond beam shall not be interrupted for the installation of skimmers and/or similar apparatus; an alternate method may be used when approved by the Building Official.

**307.4.6 Special Inspection.** Unless required by the registered design professional or by the Building Official, special inspections are not required for residential swimming pools, spas or water features.

**Section 307.5 Freeze Protection**

*Revise Section 307.5, as follows:*

**307.5 Freeze Protection.** In climates subject to freezing temperatures, outdoor aquatic vessels shells and appurtenances, piping, filter system, pumps and motors and other components shall be designed in accordance with the 2012 International Building Code and 2012 Southern Nevada amendments.

**Section 307.7 Colors and Finishes**

*Revise Section 307.7, as follows:*

**307.7 Colors and finishes.** The colors, patterns, or finishes of the vessel interior shall not obscure objects or surfaces within the vessel.

**Exception:** Residential pools, spa, and water features.

### **Section 308.1 Floor Slope**

*Revise Section 308.1, as follows:*

**308.1 Floor slope.** The slope of the floor from the point of the first slope change to the deep area shall not exceed one unit vertical in three units horizontal.

**Exceptions:**

1. Listed portable residential spas and listed portable residential exercise spas.
2. Manufactured pool or spa.

### **Section 308.2 Walls**

*Revise Section 308.2, as follows:*

**308.2 Walls.** Walls shall intersect with the floor at an angle or transition profile. Where a transitional profile is provided at water depths of 3 feet (914 mm) or less, a transitional radius shall not exceed 6 inches (150 mm) and shall be tangent to the wall and permitted to be tangent to or intersect the floor.

**Exceptions:**

1. Listed portable residential spas and listed portable residential exercise spas.
2. Onground storable pools
3. Manufactured pool or spa.

### **Section 311.2.2 Servicing**

*Revise Subsection 311.2.2, as follows:*

**311.2.2 Servicing.** Circulation system components that require replacement or servicing shall be provided with access for inspection, repair, or replacement and shall be installed in accordance with manufacturer specifications.

### **Section 311.2.4 Adequate Drainage**

*Add a new Subsection 311.2.4, as follows:*

**311.2.4 Adequate Drainage.** Equipment shall be installed with adequate drainage. Equipment in vaults or pits shall have an approved means to drain water from the vault or pit.

## **Section 313.4 Location**

*Revise Section 313.4 by adding subsection 313.4.1 to read, as follows:*

**313.4 Location.** Pumps and motors shall be accessible for inspection and service in accordance with the manufacturer's specifications.

**313.4.1 Equipment.** Any outdoor equipment pad shall not be in contact with any foundation. Equipment shall be installed with adequate drainage. Equipment in vaults or pits shall have an approved means to drain water from the pit. Equipment shall be installed in accordance with the currently adopted Codes, listing requirements and the manufacturer's installation instructions.

## **Section 313.7 Emergency Shutoff Switch**

*Revise Section 313.7, as follows:*

**313.7 Emergency shutoff switch.** An emergency shutoff switch shall be provided to disconnect all power to recirculation and jet system pumps and air blowers. Emergency shutoff switches shall be: provided with access; located within sight of the aquatic vessel and located not less than 5 feet (1524 mm) horizontally from the inside walls of the aquatic vessel.

**Exception:** Onground storable and permanent inground residential swimming pools, residential spas and residential water features.

## **Section 315.5 Equalizers.**

*Delete Section 315.5 in entirety.*

## **Section 320.1 Backwash Water or Draining Water**

*Revise Section 320.1, as follows:*

**320.1 Backwash water or draining water.** Backwash water and draining water shall be discharged to the sanitary sewer, or into an approved disposal system on the premise, or shall be disposed of by other means approved by the state or local authority. Direct connections shall not be made between the end of the backwash line and the disposal system. Drains shall discharge through an air gap.

## **Section 321.4 Residential Pool and Deck Illumination**

*Revise Section 321.4, as follows:*

**321.4 Residential pool and deck illumination.** In residential inground pools and permanent residential spas, lighting shall be installed in accordance with NFPA 70.

**321.4.1 Illumination intensity.** Underwater lighting shall provide a minimum of 8 lumens per square foot of pool water surface area or overhead lighting that provides not

less than 15 foot-candles (161 lumens) of illumination at all areas of the aquatic vessel surface.

### **Section 323.1 Handholds Required**

*Delete Sections 323.1.1 thru 323.1.3 and replace as follows:*

**323.1.1 Handhold.** A handhold shall consist of any of the following:

(a) A continuous coping, ledge or handhold shall be placed a maximum of twelve (12) inches (305 mm) above the water surface or no greater than six (6) inches (152.4 mm) below water level. A ledge shall have a minimum projection of three (3) inches (76 mm). Individual handholds must be at least six (6) inches (152.4 mm) in length and one and one-half (1 ½) inches (38 mm) in depth. Attachment must be made by an approved listed waterproof epoxy. Vanishing edges sloping into the main body of water shall have a maximum wall thickness of fifteen (15) inches (381 mm) when used as a handhold.

(b) A permanently secured railing of one and one-quarter (1 ¼) inches (32 mm) to two (2) inches (51 mm) in diameter placed at a maximum of twelve (12) inches (305 mm) above the water surface and a maximum of six (6) inches (152.4 mm) below the water surface.

### **Section 324 Wind Sensors**

*Add a new Section 324, as follows:*

**324 Wind sensors.** Water features and fountains on commercial properties shall be equipped with an integral automatic wind sensor device calibrated to shut off airborne and moving water when wind velocity exceeds twenty miles per hour.

### **Section 325 Water Features**

*Add a new Section 325, as follows:*

**325 Water features.** Manmade decorative water features and vanishing edge catch basins greater than 24 inches (610 mm) in depth with walls that are inclined greater than forty-five (45°) degrees shall have a means of entry/egress.

### **Section 326 Site Work, Setbacks, and Clearance Requirements**

*Add a new Section 326, as follows:*

**326.0 Site Work.** Excavation areas shall be protected so that they do not endanger life or property. Temporary barricades shall be maintained in place and kept in good order until permanent barriers are installed. It shall be the responsibility of the contractor or owner to verify property line locations prior to excavation.

**326.1 Aquatic Vessel Location.** Any aquatic vessel shall not be placed closer than 60 inches (1524mm) to any building or structure and shall not encroach within public utility easements. An exception may be permitted when substantiation is provided by a Nevada Licensed Structural or Civil Engineer that no damage will occur to buildings, structures or adjacent properties and that no unsafe structural conditions will exist.

**326.2 Drainage.** Site Drainage shall be provided to direct all drainage from site, perimeter decks, and roofs away from the aquatic vessel and adjacent buildings and structures.

**326.3 (NEC 680.8) Overhead Conductor Clearances.** Overhead conductors shall meet the clearance requirements in this section. Where a minimum clearance from the water level is given, the measurement shall be taken from the maximum water level of the specified body of water.

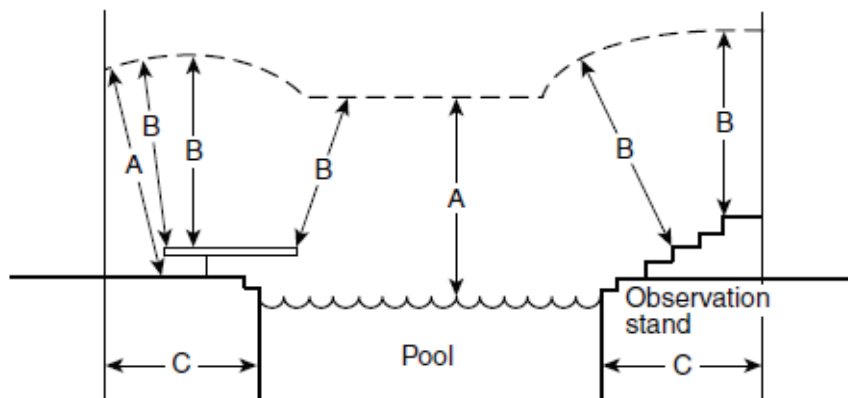
**(A) Power.** With respect to service drop conductors and open overhead wiring, swimming pool and similar installations shall comply with the minimum clearances given in Table 680.8 and illustrated in Figure 680.8.

**(B) Communications Systems.** Communication, radio, and television coaxial cables within the scope of Articles 800 through 820 shall be permitted at a height of not less than 3.0 m (10 ft) above swimming and wading pools, diving structures, and observation stands, towers, or platforms.

Table 680.8 Overhead Conductor Clearances

Clearance Parameters	Insulated Cables, 0-750 Volts to Ground, Supported on and Cabled Together with a Solidly Grounded Bare Messenger or Solidly Grounded Neutral Conductor		All Other Conductors Voltage to Ground			
	m	ft	0 through 15 kV		Over 15 through 50 kV	
			m	ft	m	ft
A. Clearance in any direction to the water level, edge of water surface, base of diving platform, or permanently anchored raft	6.9	22.5	7.5	25	8.0	27
B. Clearance in any direction to the observation stand, tower, or diving platform	4.4	14.5	5.2	17	5.5	18
C. Horizontal limit of clearance measured from inside wall of the pool	This limit shall extend to the outer edge of the structures listed in A and B of this table but not to less than 3 m (10 ft).					

**Section 401.1 Public Swimming Pools**



Southern N **Figure 680.8 Clearances from Pool Structures.**



*Revise Section 401.1, as follows:*

**401.1. Public swimming pools.** The provisions of this chapter shall apply to public swimming pools. Public swimming pools shall comply with the Southern Nevada Health Districts requirements, in addition to the provisions of this chapter. Public swimming pools covered in this chapter include Class A, Class B, Class C, and Class E pools.

#### **UPDATE REQUIREMENT:**

Since the printing of the ANSI/APSP-7 2006 “American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins” which is contained and referenced within the “2012 International Swimming Pool and Spa Code,” the Consumer Product Safety Commission has taken actions which modify requirements within this document for compliance to the Virginia Graeme Baker Pool and Spa Safety Act. As such, this department shall require the following to ensure compliance to the federal regulations:

- Listed suction outlet cover/grate – Manufactured: A suction outlet cover/grate that has been tested, certified, and listed by a nationally recognized testing laboratory in accordance with the most recent edition of ANSI/APSP-16 2011 Suction fittings for use in swimming pools, wading pools, spas, and hot tubs.
  
- All single unblockable outlets shall include one of the following:
  - Safety vacuum release system: A safety vacuum release system which ceases operation of the pump, reverses the circulation flow, or otherwise provides a vacuum release at a suction outlet when a blockage is detected, that been tested by an independent third party agency and found to conform to ASME/ANSI standard A112.19.17 or ASTM standard F2387.; or
  - Suction-limiting vent system: A suction-limiting vent system with a temper-resistant atmospheric opening meeting an applicable performance standard of ASME/ANSI or ASTM; or
  - Gravity drainage system: A gravity drainage system that utilizes a collector tank meeting an applicable performance standard of ASME/ANSI or ASTM; or
  - Drain disablement: A device or system that disables the drain meeting an applicable performance standard of ASME/ANSI or ASTM.