SCOPE
This standard plan is only intended to show the location of pool enclosures and drowning prevention safety measures required by the 2016 California Building Code, section 3109.4.4 for the remodeling or alteration of an existing swimming pool or spa at a private single family home.

Construction of the swimming pool or spa, fence or walls, or site drainage shall be under separate review and permit.

APPLICABLE STANDARDS
2016 California Residential Code (CRC); 2016 California Building Code (CBC); 2016 California Plumbing Code (CPC); 2016 California Electrical Code (CEC); 2016 California Mechanical Code (CMC); 2016 Building Energy Efficiency Standards (BEES); 2016 California Green Building Standards Code (CBGS); The Newport Beach Municipal Code (NBMC)

INSTRUCTIONS
1. Draw a site plan (aerial view) of your property in the space provided at the right-side of this sheet. Refer to the example site plan and sketch a similar plan for your property including the information required in items 2 and 3, below.

2. Identify the swimming pool/spa enclosure per CBC section 3109.4.4.3 on the site plan. Swimming pool enclosures shall have all of the following characteristics:
   2.a. Any access gates through the enclosure open away from the swimming pool and are self-closing with a self-latching device placed no lower than 60 inches above the ground.
   2.b. A minimum height of 60 inches above outside grade.
   2.c. A minimum vertical clearance from the ground to the bottom of the enclosure of 2 inches.
   2.d. Gaps or voids, if any, do not allow passage of a sphere equal to or greater than 4 inches in diameter.
   2.e. An outside surface free of protrusions, cavities, or other physical characteristics that would serve as handholds or footholds that enable a child below the age of five years to climb over.
   2.f. Where a wall of a dwelling serves as part of the barrier, one of the following shall apply:
      2.f.1. Doors with direct access to the swimming pool shall be equipped with an alarm that meets the requirements of section 3c, below.
      2.f.2. Doors with direct access to the swimming pool shall be equipped with self-closing and self-locking devices compliant with section 3d, below.

3. Identify at least two (2) of the following drowning prevention safety features per CBC section 3109.4.4.2 and NBMC 15.04.180 on the site plan:
   3.a. An enclosure that meets the requirements of item 2, above, and isolates the swimming pool from the home.
   3.b. An approved safety pool cover that is tested and listed to meet all of the performance standards of the American Society of Testing and Materials (ASTM), in compliance with standards F1346.
   3.c. Doors with direct access to the swimming pool shall be equipped with self-closing and self-latching devices compliant with section 3b, below.

4. Verify Drowning Prevention Measures (DPM)
   4.1. Where replacing pool equipment, a sound test by an acoustical engineer is required to demonstrate that the noise level from the pump is less than 55 dBA at the property line.
   4.2. Alarms shall be permanently secured by screws or epoxy.
   4.3. Alarms shall produce an audible warning when the door and/or its screen, are opened.
   4.4. The alarm shall automatically reset under all conditions.
   4.5. The alarm shall sound continuously for a minimum of 30 seconds within 7 seconds after the door is opened, at a sound pressure level of not less than 85 dBA when measured inside the dwelling at 10 ft from the alarm.
   4.6. The alarm shall be equipped with a manual means to temporarily deactivate the alarm for a single-opening. The deactivation switch shall last not more than 15 seconds. The deactivation switch shall be located at least 54 inches above the threshold of the door.
   4.7. Alarms shall be permanently secured by screws or epoxy.
   4.8. A self-closing, self-latching device with a release mechanism placed no lower than 54 inches above the finished floor on doors with direct access to the swimming pool.

5. Swimming pool means any structure intended for swimming or recreational bathing that contains water over 18 inches deep. Swimming pool includes in-ground and above-ground structures and includes, but is not limited to, hot tubs, spas, portable spas, and nonportable wading pools (CBC Section 3109.4.4.4).

FOOTNOTES
1. Swimming pool equipment, a sound test by an acoustical engineer is required to demonstrate that the noise level from the pump is less than 55 dBA at the property line.
2. UL 2017

INFORMATION

Validate Drowning Prevention Measures (DPM)
Where replacing pool equipment, a sound test by an acoustical engineer is required to demonstrate that the noise level from the pump is less than 55 dBA at the property line.

Final Inspection

Note: Drowning Prevention Measures (DPM)

Verify Swimming Pool Enclosure Material Listed to meet the Pool/Spa Standards

Note: Drowning Prevention Measures (DPM)

Register Swimming Pool Enclosure Material Listed to meet the Pool/Spa Standards

Note: Drowning Prevention Measures (DPM)

Acceptables

Note: Drowning Prevention Measures (DPM)

Owner's Name

Note: Drowning Prevention Measures (DPM)

Contact Info

Note: Drowning Prevention Measures (DPM)

Signature

Note: Drowning Prevention Measures (DPM)

License No.

Note: Drowning Prevention Measures (DPM)

This document is intended for reference purposes only. Please refer to the appropriate building code and standards for the specific requirements of your project.