

	<p style="text-align: center;">CITY OF HAWAIIAN GARDENS DEPARTMENT OF COMMUNITY DEVELOPMENT BUILDING AND SAFETY DIVISION 21815 Pioneer Boulevard Hawaiian Gardens, Ca 90716 (562) 420 2641</p>	B-016
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BACKFILL OF SWIMMING POOLS

The purpose of this document is to establish the requirements for the backfilling of existing residential or commercial swimming pools or spas. The method of backfilling approved by Building and Safety depends on the intended future use of the fill by the applicant at the time the application is filed.

A pool or spa shell may be left in-place and backfilled with uncertified fill (Item I) or the pool or spa may be backfilled with engineered fill suitable for the support of footings of a new structure at a future date (Item II). In both cases, a permit is required.

- I. Backfilling with uncertified fill and leaving the pool or spa shell in place
Leaving the pool or spa shell in-place and backfilling with uncertified fill may be allowed in self-contained areas where the fills are not to be used to support buildings or structures and where the existing pool or spa not located on ground sloping steeper than 10 percent and no hazard will be created by this activity as determined by Building Official.

The following steps shall be followed;

1. A site/plot plan showing existing pool/spa dimensions and setbacks from property lines and other structures on the property
2. The plan shall have the following notes;
 - Provide a minimum of three drainage holes, a minimum of 24 inches in diameter in the bottom of the pool/spa, a maximum of 8 feet apart to facilitate drainage. At least one hole shall be located in the deepest section of the pool shell.
 - Backfill material shall consist of clean soil or gravel
 - Bottom inspection required for all drainage holes prior to placement of any fills
 - Final inspection required once the backfill and landscape completed.
 - The backfill area shall be used for landscaping purposes only
3. A miscellaneous application shall be filled out to back fill pool/spa with uncertified fill.
4. Existing gas/plumbing lines shall be properly capped; electrical wiring for pool equipment and pool lighting must be disconnected and removed
5. If a bond beam is demolished, the concrete debris from the bond beam may be placed in the bottom of the pool to facilitate drainage, provided however, no

concrete debris less than 6" in diameter, including coping are placed within the required drainage holes.

II. Backfilling with structural compacted fill

Requirements for Placement of Engineered Fill: In accordance with Section J107 of Appendix J of the Los Angeles County Code, all material used to backfill swimming pools or spas shall be approved compacted fill and compacted to a minimum of 90% relative compaction. Such fill shall be tested for relative compaction by an accredited soils testing agency recognized and approved by Building and Safety.

A final compaction report prepared by a licensed civil or geotechnical engineer shall be submitted to Building and Safety for review and approval prior to the Building Inspector granting approval of any fill. The following steps shall be followed when backfilling with structural compacted fill,

1. A site /plot plan showing pool/spa dimensions and setbacks from property lines and other structures on the property.
2. A grading permit shall be issued indicating that the pool/spa fill is compacted. The grading permit fee shall be based on the total amount of cubic yards of fill. In cases where the fill amount data is not available, the grading permit fee shall be based on 50 Cubic Yards.
3. A miscellaneous application for structural backfill shall be issued to document the swimming pool backfilled.
4. The pool or spa shell shall be removed from the site upon soils engineer recommendation. The pool or spa may remain, upon review and approval by B&S, if the engineer recommends the location and percentage of the pool's bottom to be broken to allow for drainage.
5. If a bond beam is being demolished, concrete debris must not be placed within the pool's fill material
6. The bottom of the pool or spa shall be inspected and approved by the soils engineer and the soils engineer report shall be presented to Building Inspector at the time of bottom inspection prior placing of the compacted fill.
7. Existing gas/plumbing lines shall be properly capped; electrical wiring for pool equipment and pool lighting must be disconnected and removed
8. The following note shall appear on the first sheet of the grading plans that "Foundation for any newly proposed structure shall not be poured prior approval of the final compaction report reviewed by Building Official and issuance of applicable permits"
9. Building and Safety shall be notified when the grading operation is ready for each of the following inspections
 - Bottom/excavation inspection
 - Final inspection