



# City of Galveston

## ENGINEERING DEPARTMENT

[engineering@galvestontx.gov](mailto:engineering@galvestontx.gov) | (409) 797-3644 | [www.galvestontx.gov](http://www.galvestontx.gov)

### RESIDENTIAL SWIMMING POOL PLAN REQUIREMENTS

- A. A complete set of plans, containing at a minimum the following:
  - a. Topographic Survey
  - b. Drainage Plan
  - c. Site Plan (including decking and/or patio areas)
  - d. Utility Plan
  - e. Engineering Construction Details
  - f. Skimmer location
  - g. Equipment location
  - h. Name of construction company on each page of the plans
  - i. Name of the owner on each page of the plans
- B. Existing and Post Construction spot elevations on a 15-foot grid, including lot corners, along property boundaries, and around pool and decking / patio perimeters.
- C. All building footprints, dimensions, easements, pool decking / patio and water surface elevations.
- D. Existing and proposed surface treatments throughout the property (e.g., swales, paving, brick pavers, landscaping, fencing, gravel, etc.)
- E. Drainage shall be conveyed safely to the Right of Way, drainage easement or to the Bay without impacting the public.
- F. If the lot coverage is more than 65%, is more extensive than 15,000 square feet, or having a frontage wider than 150 feet, subsurface site drainage is required.
- G. Identify how the pool is to be intermittently filled.
  - a. If it is through a manual fill valve (i.e., hose bib) an anti-siphon device shall be used to avoid contamination of drinking water used in the home, the pool builder shall clearly indicate the manufacturer and model number of the anti-siphon device.
  - b. If the pool is to be equipped with an "Autofill" mechanism, the pool builder shall clearly indicate the manufacturer and model number of the backflow device and line size to maintain the water level in the pool.
- H. If the pool construction is located less than five feet away from the foundation of a building or structure, including any structure elevated on piers, a Structural Engineering Report prepared, and signed and sealed by a Texas Professional Engineer indicating that the pool will not compromise the integrity of the structure is required.
- I. If any structure in the plan is more than 2-feet high, a Structural Engineering Report prepared, and signed and sealed by a Texas Professional Engineer indicating that the structure can support itself due to external loading (e.g., Wind Velocities,





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Wave Action, etc.) is required.

- J. No features of the pool shall be constructed within any dedicated easement that exists on the property.
- K. Maximum of 12-inch rise in elevation with fill in VE Zones per FEMA requirements along with a P.E. certification that “Fill shall not be used to support structures”.
- L. It is a violation of the City Code of Ordinances to discharge hyper-chlorinated water into the MS4 or any watercourse. However, dechlorinated swimming pool discharges (less than one part per million (1 ppm, 1mg/L) chlorine is allowed.
  - a. An alternate option for overflow and backwash may be to connect to the sanitary sewer by an indirect drain line. No direct physical connection is allowed.

