



PLAN SUBMISSION REQUIREMENTS for SWIMMING POOLS

FOR A COMPLETE PLAN CHECK, THE FOLLOWING ITEMS MUST BE SUBMITTED:

1. Pay \$100.00 application fee. The balance of the permit will be paid at the time the permit is issued.
2. A Public Improvement bond in the amount of \$1,000.00 is required to be posted with the city prior to the issuance of a permit.
3. The permit application must be filled out completely. Be sure to include:
 - 3.1 Owner. (If owner-builder, complete the “Owner-Builder” form and upload.)
 - 3.2 Project Building address – including lot number and subdivision name, if known.
 - 3.3 General Contractor’s name, address, license number & phone number.
 - 3.4 Structural engineer, license number, and telephone number.
 - 3.5 Complete construction plans including structural details, schedules, and cross section drawings.
4. Documentation:
 - 4.1 Provide the available Geotechnical data for the site / subdivision, or supply a site-specific report that includes the soil bearing pressure, depth of ground water and Equivalent Fluid Pressure (EFP). Be sure the engineering plans use the correct bearing pressure and EFP.
 - 4.2 Provide the Manufacturer’s installation instructions (*NOT* brochures) and listing of the proposed pool cover, or covers.
 - 4.3 Provide Manufacturer’s installation instructions (*NOT* brochures) for all pool equipment including: controls, lights, chlorinators, filters, pumps, pool heating equipment, etc.
 - 4.4 Clearly delineate equipment locations on the pool equipment pad. Provide adequate dimensions to verify that the required access space is available around equipment.
 - 4.5 If a diving board will be installed, provide make, model and size from manufacturer for board and jig, and compliance for Figure 3 Minimum diving water envelope and Table 1 Minimum diving water envelope for swimming pools types I-V ANSI/APSP/ICC-5 2014, ISpsc TABLE 804.1 & FIGURE 804.1.
 - 4.6 Provide a completed APSP-15 & APSP-7 COMPLIANCE DOCUMENTAION AND SIZING CALCULATOR fillable PDF.
5. Submit in electronic **UNLOCKED** PDF format the **SITE PLAN** showing the location of the Swimming pool on the property. The site plan shall be drawn to scale, include the site address and the following:
 - 5.1 Include the *complete* property and draw to scale.
 - 5.2 Show locations of any existing buildings with distance to pool.
 - 5.3 Dimension distances from pool to property lines and adjacent structures.
 - 5.4 Show locations of any easements and other encumbrances.
 - 5.5 Show width of access to pool location and route equipment will take for excavation and construction.

- 5.6 Identify the type of barrier used. This must comply with the ISPSC Section 305. If you have a body of water that doesn't have a safety cover that complies with ASTM F 1346 then the alarms identified in Section 305.4 will apply.
 - 5.7 Show location of pool including distance from house, structures, and property lines.
 - 5.8 Show location of pool heater, it must have 30" x 30" clear access for maintenance and identify the exhaust is not within 4' horizontally and 10' vertically from any openable doors or windows.
 - 5.9 Show elevations of entire yard with pool coping set at 0' or actual elevations (above sea level).
 - 5.10 Show location of a GFCI receptacle not further than 20' but not less than 6' from the inside pool wall. (*Any existing receptacles in this area must also be GFCI protected*)
 - 5.11 Show all new and existing windows within 5' of the pool water's edge within 60" of walking surface as safety glass.
 - 5.12 If a pool cover is being installed, show location of Cover switch. It must be in full view of pool.
 - 5.13 All accessories including but not limited to water features, diving boards, guard / handrails, slides, natural rock and manmade rock features **MUST** be drawn on the site plan and include engineering if required. (*If features bear on the pool wall, the pool engineering must acknowledge them*).
 - 5.14 Show pool depths, if deep end is greater than 5', show secondary entry / exit. ISPSC 809.3
 - 5.15 Show the location of return and suction lines per ISPSC 314. (Return lines require one per 300 sq. ft.)
 - 5.16 Show location of skimmer, if pool is over 800 sq. ft. show location of required additional skimmer(s) ISPSC TABLE 315.3.
 - 5.17 Show location of entry steps ISPSC 809.2, 809.5-809.5.3.
 - 5.18 Show gas and electrical runs to equipment.
 - 5.19 If a diving board will be installed, provide make and model ISPSC 808, identify pool type (I-V), and show the diving envelope widths and depths, see item 4.5 above. ISPSC 804 including TABLE 804.1 & FIGURE 804.1.
6. Submit in electronic **UNLOCKED** PDF format the **ENGINEERING** plans. Plans shall be drawn to scale, include the site address and the following:
 - 6.1 Details of reinforcing steel.
 - 6.2 Rebar and shotcrete schedule table.
 - 6.3 Additional details may be required for surcharge, or slopes based on geotechnical report and site elevations.

Engineering submittals must be stamped, and signed by the Structural Engineer.

INSPECTION REQUIREMENTS for SWIMMING POOLS

The following items are required for **INSPECTIONS**:

- Pool Steel (Pre-Gunite/Shotcrete): setbacks (*may require professional survey*), steel (*compliance to engineering including details*), #8 solid copper bonding wire to equipment and lights, #8 solid copper bonding wire stubbed out for equipotential bonding 4ea. Uniformly evenly spaced around perimeter of pool (*not at corners, unless the pool is square*), #8 solid copper bonding wire stubbed out for other metal within 5' of water's edge, plumbing hydrostatically pressurized to 25 PSI. Depth markers to verify the

depth and slope of the pool at the time of the inspection must installed along the edges of the pool excavation as indicated on the plans, temporary fence.

- Bonding: Equipotential, Coping, Decking, Cover track retainer, diving Board Jigs, Handrail cups and any other metal within 5' of water (*connected to #8 solid copper stub outs*). This inspection needs to be performed before the coping is installed, temporary fence.
- Pre-plaster: Potting Compound, electrical for circulation equipment must be installed, all bonding must be complete, temporary fence.
- Gas line: line pressure test, tracer wire installed, and complete excavation must be open.
- Final: Barrier compliance, bonding of equipment and cover mechanism, electrical complete, coping isolation mastic installed.

All plumbing and gas lines MUST remain exposed until after inspection and testing.

The Inspector may require other items that are specific to this project and not listed above.

The #8 solid copper bonding wire must be fastened using approved clamps, UL listed for direct burial.

The required fencing MUST be in place around the pool at the time of the Pool Steel inspection, (this may be a five-foot tall temporary fence for construction). Permanent barriers will be checked at final inspection.

All pool decks, poured in place coping, pool cover track retainers, and any other items containing metal MUST be electrically bonded to the pool bonding system and *inspected* before pouring as required by NEC 680.26.

Applicable Current Codes: 2021 IPSC, 2021 IRC, 2021 IBC, 2020 NEC

Bountiful City Code 14-14-115, Planning Requirements:

Swimming Pool: Any swimming pool shall be set back at least five (5) feet from any property line and shall be subject to current applicable building codes. Any swimming pool in a multi-family development, motel, or hotel shall require conditional use permit approval in addition to site plan approval.