



COLLIN COUNTY DEVELOPMENT SERVICES **POOL INSPECTIONS HANDOUT**

LAY OUT INSPECTION:

1. Check for conflicts with services such as power, gas, phone, CATV, water lines, sewage or septic lines, equipment, and building foundation.

Note: It is the property owner and contractor's responsibility to have locations marked before site inspection. Conflicts, as a result of the inspection, should be resolved prior to work commencing.

Note: Required separation and clearance distance between pool and OSSF shall comply with T.C.E.Q. table X.

Note: Required clearance and separation distance between pool and power lines, electrical, CATV, phone, internet, etc. shall comply with current NEC.

Note: Be sure to have Permanent Fence Barricade plans and work scheduled.

BELLY STEEL AND BONDING AND PLUMBING ROUGH INSPECTION:

1. Hole dug and de-watered.
2. Construction safety fence up.
3. Plumbing roughed in and leak tested (system filled and 20 p.s.i.) safety drain set up at all drains. Pool water supply requires anti-siphon and back-flow protection. Do not back-flush into septic or onto adjacent property. If you are on city sewer or in a Special Utility District (SUD) their requirements will need to be met as well.
4. Steel in place; tied and chair supports (or brick).
5. #8 solid bare copper bonding wire in place.
 - (a) Belly steel bonding wire needs to be run 12 to 18 inches below water line clamped to belly steel a min. of 4 or 5 points evenly spaced around pool perimeter and looped up at deck steel dowels at 4 or 5 points and clamped (include each separate area of decking with at least one or two bonding points). Also include spa and other areas (like wade up bars).
 - (b) Also bond (use same loop) the brass conduit for lighting (bonding clamp on conduit under pool deck area) and bond the light shell (niche) and foundation parts for ladders, step railing, diving boards and accessories.
 - (c) In some cases bonding of other metal equipment or appurtenances shall be required such as landscape lighting, fences, gas piping, parts of HVAC systems or other equipment that may present a difference in potential to ground (this may be accomplished by use of approved grounding connections and #8 solid bare copper bonding wire).

Note: Use of listed grounding terminals, fittings and clamps, or other connections that comply with NEC and appropriate standards are required (pool and in concrete types).

Note: At this inspection all work needs to be done such that it is ready for gunite.

DECK STEEL INSPECTION:

1. Deck steel in place (cushion sand down, steel tied, chaired, bonding steel in place).
2. The light shell and conduit need to be in place and both bonded. (Note: the light shell bonding will not be visible at this time, but a short piece of PVC placed over the ground clamp on the brass conduit serving the light, can be utilized for visual confirmation that bonding is still in place, from last inspection).
3. Belly steel to deck steel dowels tied (tie-wired) to deck steel and bonding wire loop clamped to steel 4 or 5 points. Each separate area of decking shall be bonded.
4. Bonding of diving board foundation (jig) and other embeds completed.
5. At this time, all other conflicts or “special site consideration” need to be corrected or mitigated such as: existing lighting fixtures or paddle fans now in the pool area, Septic or lawn irrigation encroachments, light standards or other equipment concerns. Provide for bonding as needed.

Note: Use of listed grounding terminals, fittings and clamps, or other connections that comply with NEC and appropriate Standards are required (swimming pool and buried in concrete types of clamps).

PRE-PLASTER INSPECTION:

1. Pool barrier fence needs to be in place; however, one fence section may be left open with construction fence up. (i.e. plaster operations).
2. This inspection may be included with deck inspection.

POOL FINAL:

1. 911 address permanently affixed to house, pool house, main gate, driveway.
2. Pool and deck and other appurtenances completed (cabanas, pool-house).
3. Pool fence, gates, and landscape work completed.
4. Water in pool and clear.
5. Pool equipment set and functional with access to branch circuit breaker.
6. Equipment disconnects, panels and controllers must be accessible (not behind equipment).
7. Pool and spa light “on” for GFCI test and access to on/off switch and GFCI reset.
8. Pool equipment bonding completed and any other bonding requirements met.
9. GFCI for any other outlets, devices, lights, fans, and appliances. Compliance with required distance of outlets, devices, lighting, fans, or other equipment from the pool or spa.