



## City of La Puente

### Division of Building and Safety

## SWIMMING POOL AND SPA INSPECTIONS

### INTRODUCTION

This information is presented to give Pool Contractors a guide to the sequence and type of inspections required by the city of La Puente. There may be some variation due to the location and complexity of the project. This information is presented as a guide only.

### JOB SITE

The Permit inspection card must be available on site for all inspections, along with the approved plans, including engineering and steel charts. All BMPs must be in place. No dirt and pollutants may spill into the street. No construction job materials may be placed or stored in street and portable toilet must be located on private property. Provide a temporary fence to protect the excavation. Some sites may require a grading and/or an encroachment permit and require a separate inspection from the Public works / Engineering departments.

### PRE-GUNITE (SHOT-CRETE) INSPECTION REQUIREMENTS

#### REINFORCING STEEL

- Properly sized and spaced
- Minimum quality / grade and marked (ASTM)
- Minimum 3" clearance to earth
- Properly placed (horizontal & Vertical spacing)
- Secured from displacement
- Minimum lap splices (40 x Diam.)
- Lap splices are not located where prohibited
- Properly tied (for electrical bonding)
- Pool bond beam bars per plan
- Light niche bars per plan
- Skimmer niche bars per plan
- Spa dam wall bars per plan
- Special engineering reinforcement per plan
- Water feature per plan
- Pool slide handrail/guard rail

#### WATER PIPING - PLUMBING

- Minimum 35 psi hydrostatic test
- Minimum 1" clearance to steel maintained
- Minimum burial depth maintained
- Proper materials utilized
- Listed materials used
- Joints / connections per code

#### GAS PIPING

- Minimum 10 psi pressure test for 15 minutes
- Proper materials for location
- Listed materials
- Joints / connections per code
- Proper sized materials
- Minimum burial depths maintained (18")
- Listed transition fittings (plastic to steel)
- Transition piping 30 " horizontal
- Traced wire if non-metallic piping
- Machine applied protective coated pipe and field wrapped pipe
- 15 psi gauge required

#### ELECTRICAL

- UG conduit properly sized and located per plans
- UG conduit listed for use
- No low voltage underground direct burial wiring within 5 ft. of pool shell
- Light fixtures have minimum required water coverage / depth
- #8 AWG bare copper bonding conductor with (Acorn) Bonding clamps listed

## **BONDING GRID SYSTEM**

- Pool Steel
- Deck reinforcing steel
- Metallic fencing within 5 ft. of pool shell
- Diving board bases
- Handrail bases
- Pool cover housing
- Exposed patio cover/deck post bases within 5 ft. of pool shell
- All metallic piping and conduit within 5 ft. of pool shell
- Pump motors
- Water heaters
- Filters If Metallic and electronic controlled
- All effectively grounded, metallic items within 5 ft. of pool shell
- Future bonding needs provided for

## **PRE-PLASTER INSPECTION REQUIREMENTS**

### **POOL BARRIER**

- Fence 5 ft. high (measured from the outside)
- Non-climbable (<45" horizontal spacing)
- No openings greater than 4"
- Minimum under the fence clearance is 2" if earth, and 4" if hard surface.
- Chain link is 11 gauge minimum and bonded if within 5 ft. of pool shell

### **GATES**

- Same clearances as fences
- Swing away from the pool area (except garage door)
- Self closing and self latching
- Latch height of 54" Minimum

### **DOORS (from residence to pool area)**

- Alarmed per code
- 30 sec. Continuous sound, 7 sec. Maximum delay, 85 dBA @ 10 ft. distance, Auto reset, temporary manual deactivation = 15 sec. Max., and located 54" height minimum from finished floor.
- Or self-closing, self-latching at 54" height.

### **LIGHTING**

Non-metallic light niche housing and conduit have a #8 insulated conductor run inside of the conduit, properly terminated and encapsulated with a listed potting compound.

- Pool lights have listed cables
- Pool lights properly terminated in the j-box
- Pool lights in place but not installed

### **SPA / HOT TUB**

- May have a listed cover in lieu of the above fence and gate
- Must show compliance with ASTM F1346-91

## **POOL FINAL INSPECTION**

- Pool slide and Water features installed per plan
- Vent termination and clearance maintained
- Pool solar blanket on site
- All plumbing completed
- Function test pool equipment
- Function test pool heater
- Vent installed per mfg.
- Electrically bonded
- Proper clearances Pool equipment bolted down
- Pvc pipe painted (UV protection)
- All electrical work completed
- Pool sub-panel listed for the location
- Working clearances @ panel board maintained
- PTR Valve and line installed if closed syst.
- Gas pipe connector per code
- P-Trap
- Verify anti-siphon devices on hose bibs
- Spa / tub listed cover installed if used in lieu of pool barrier
- Water feature completed per plan
- Slide requires a handrail/guard rail if over 30" above grade
- Pool equipment bolted down
- Motor conductors properly sized (based on motor nameplate)
- Motor equipment grounded
- Pool lighting routed through a listed GFCI device
- GFCI protected outlet > 10 ft. < 20 ft. w/ weather tight cover
- Re-check bonding within 5 ft.
- No electrical lighting (low or high voltage) within 5 ft. of pool
- No switching devices within 5 ft.
- Fiber optics listed and installed per mfg. Specs.
- Underwater audio equipment is per NEC 680-23