

# Arizona Wholesale Pool Contractors



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**Swimming Pool Construction Checklist**



**The Swimming Pool Construction Checklist** is designed to give you some guidelines and hints of items to look for while you're building your own pool. It's outline follows the scheduled order of the phases of pool construction. It's only a guide – use it as such. If you have questions or if you would like to add something to this checklist that you think would help others in building their own pool – please let us know.

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## Swimming Pool Construction Checklist:

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Layout:    Date Scheduled: \_\_\_\_\_    Date Completed: \_\_\_\_\_

- Verify your property line setback, window and structure distance are maintained
- Paint out pool equipment location – must be 5’ minimum from water’s edge.
- Verify and establish pool bond beam elevation – confirm deck type with layout.
- Confirm electrical, gas and water requirements with layout sub.
- Electrical – panel location, adequate power for equipment/future requirements
- Gas – meter location – propane tank location - access to dig 21” deep trench –  
Propane tank location must be accessible to street view.
- Water – select a hose bib for use with the automated water leveler.  
All hose bibs require a vacuum breaker be added to the hose bib.
- Finally, do an overall review of the pool design.  
Will the deck work with the remaining space as planned?
- Is the pool where you intended it to be?  
Re-layouts cost money, so be sure you like what you see.
- Does the yard grade rise or fall near the pool? May require retaining component.

**Record Bond Beam Elevation - height set at:** \_\_\_\_\_ (+/- finished to patio height or finished house floor elevation.)

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## Swimming Pool Construction Checklist:

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### Layout (cont.)

- Finally, do an overall review of the pool design.
  - Will the deck work with the remaining space as planned?
  - Is the pool where you intended it to be?
  - Does the yard grade rise or fall near the pool?
  - Measure waterfall pad (if applicable) – confirm square footage (ie. 8'x5'=40sqft.)
- Order Blue Stake – compare blue stake notes to pool layout and design features.

Note: The layout will be 6" larger on each side or 12" overall measured for the excavator.  
the pool must be over dug and then replaced with shotcrete then it will finish per design.

Did you order your pool equipment yet? Use your pool equipment spec sheet.

Go to: [ArizonaWholesalePoolEquipment.com](http://ArizonaWholesalePoolEquipment.com)

Get your equipment delivered for Free (Arizona residents only)  
have it on-site prior to the plumbing phase.



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## Swimming Pool Construction Checklist:

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Excavation: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Confirm excavator completed pre-site and has bid proper equipment for the access.
- Verify the width of the access
- Make a note of what is required for the replacement of the access
  - Masonry Wall # of: sections \_\_\_\_\_ pilasers \_\_\_\_\_ stucco \_\_\_\_\_ paint color \_\_\_\_\_
  - Remove and replace an existing gate \_\_\_\_\_ add a self closing gate spring
  - Note: All gates must open out and away from the backyard not into the yard.
- Confirm pool bond beam elevation and verify deck type with excavator.
- Verify yard grade changes.
  - Does the change in grades require a retaining wall?
  - Raised bond beam or additional fill to remain?
- Pad out deck area with pool fill 3' beyond finished deck.
- Ask the excavator if they will dig a "trunk line" for the pool equipment.
- Ask the excavator what their policy is on removing excess fill.

Note: Hard digs are always a possibility – ask the excavator's experience in your area.



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## Swimming Pool Construction Checklist:

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Plumbing: Date Scheduled \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Plumber should provide all pool equipment slabs – plastic or concrete.  
Pool equipment should be set on a firm level grade.  
Pool equipment set within (+/-) 6" to pool water level.
- Check to make sure all plumbing lines are set below pool bond beam.
- Verify plumbing schematic – the number of returns, skimmer location,  
pool vac line, auto water leveler and all other plumbing lines are in place.
- Verify that all exposed PVC pipes get painted at the pool equipment location.
- Did your plumber install your salt water call?

**Record** the plumbing system (pipes, equipment) pressure at plumbing completion: \_\_\_\_\_psi

### Notes:

- \* Did you select your deck material yet? I hope so – if not – get busy.
- \* Did you order your pool fence? Need a sub? Go to AZWPC.com and request a quote.
- \* Did you submit for a gas line permit/inspection (if necessary)



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## Swimming Pool Construction Checklist:

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Steel/Rebar: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Verify steel company has special engineering detail (if applicable)
- Verify steel standard engineering with the rebar/steel sub – prior to scheduling the steel install date.
- Check that all steel is blocked off the dirt by 3” concrete spacers.
- Visually review all tie wraps at cross section are cut, bent down and away from the pool interior finish.
- Check steel is below the top of the form boards set by the excavators.
- Confirm additional features such as: In-pool table or bar stool(s) have steel caissons provided  
Spas & spill-ways, water features are accounted for.

Note: Confirm with shotcrete sub-contractor that they will provide Sonotubes for table or bar stools at the time of shotcrete (if applicable)



## Swimming Pool Construction Checklist:

Electrical: Scheduled Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_

- All electrical conduit (wrapped or grey PVC) and light brass is below finished grade per UBC and city requirements.
- Verify all deck, anchor and fence bonding is complete.
  - \* Diving Pools need a bond wire for the metal jig in the deck
  - \* Wrought iron fences or metal object within 5' of water need a bond wire
  - \* Equal potential bond (deck bond) wire installed – applicable in some cities
- Proper pool panel is in place for current and future needs.
- 3' clearance in front of pool panel is maintained.

Note: Once the electrical is completed it time to call for your first inspection.

**Call for your Pre-shotcrete and in some cities a rough electric inspection**

Your city: \_\_\_\_\_ Inspection Request Line: \_\_\_\_\_  
 Online web address: \_\_\_\_\_  
 Your Permit Number: \_\_\_\_\_  
 Pre-shotcrete /rough-electrical inspection code (see city chart): \_\_\_\_\_ | \_\_\_\_\_  
 Confirmation Number: \_\_\_\_\_





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## Swimming Pool Construction Checklist:

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Shotcrete: Scheduled Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_

- Verify pre-shotcrete inspection from your city/county is **“green”** and approved.
  - Record** plumbing is still at or under pressure: \_\_\_\_\_psi.
  - Water is available on-site for shotcrete company to use during installation.
  - Clean out area is specified or a clean tub available?
  - Verify steel blocking in place no cave-ins, mud or other debris on or covering rebar.
- Paver or Flagstone deck:
- Have the crew “notched the beam” for the aerator.
  - In-pool tables or seats – Sonotube on-site or shotcrete company provided (verify)
  - Water cure schedule. See shotcrete company instruction sheet – 4 times/day – 4 days.

\* Note: Take pictures and/or video of the shotcrete process. Send them to [www.ArizonaWholesalePool Contractors.com](http://www.ArizonaWholesalePoolContractors.com) and show off your pool with rest the rest of the build your pool builders here in Arizona.





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## Swimming Pool Construction Checklist:

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Decking: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Record plumbing is still under pressure \_\_\_\_\_ psi.
- All drain lines, sleeving and sprinkler repairs under the deck area are complete.
- All masonry and rock are set and in place.
- Color selection has been made and confirmed by deck sub-contractor.
- Handrail anchors, diving board jigs, fence/metal bonding wires are in place and on-site.
- All basketball, volleyball and umbrella sleeves are on-site and marked on the pool plan.
- In pool table formed and poured with deck. Paver or stone deck requires separate sub.
- All skimmer and automated water leveler rings and lids are on-site for deck crew.
- Concrete Paver and Natural Stone Decks:
  - Deck crew to provide round paver lids or plastic lids?
  - Aerator is cut and 90 over (remember the “notch” in the beam at shotcrete)  
to the finish below the coping edge of the deck.
  - Paver crew must set and secure all anchors and jigs in concrete prior to paver set.  
See manufacturer specification for securing anchors and jigs.



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## Swimming Pool Construction Checklist:

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Access & Barriers: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Internal barriers such as wrought iron, mesh safety fence is scheduled for installation.
- Access gates and existing fences are complete and in-place per city requirements.
- Self closing gate springs are in-place and working. Gates open out & away from backyard.
- Interior doors and windows are ready for final inspection. See city/county requirements.

\* Note: Need a **Swimming Pool Fence & Barrier Sub-Contractor?**

Go to: [ArizonaWholesalePoolContractors.com/Safety](http://ArizonaWholesalePoolContractors.com/Safety) and request a bid from our qualified list of Valley fence and barrier contractors.

Tile: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Tile and grout color selection is complete and verified with sub-contractor.
- Mosaics, step/bench banding, tile inserts (white plaster finishes) cut and placed on-site.



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## Swimming Pool Construction Checklist:

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Construction Cleanup: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- All trenches are back filled and excess fill is removed from the site.
- Pool interior is scrapped, extended plumbing lines (returns, drains) cut and leveled.
- All excess water and debris removed from the pool interior
- Yard is rough graded and all construction waste and excess concrete is removed from the site.

### Call for Your Pre-plaster inspection

Your city: \_\_\_\_\_ Inspection Request Line: \_\_\_\_\_

Online web address: \_\_\_\_\_

Your Permit Number: \_\_\_\_\_

Pre-shotcrete /rough-electrical inspection code (see city chart): \_\_\_\_\_ | \_\_\_\_\_

Confirmation Number: \_\_\_\_\_

\* Note: Someone must be home to allow the city/county inspector into the house.



## Swimming Pool Construction Checklist:

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Interior Finish: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Pool interior is clean and ready for finish – no standing water or construction debris.
- Tile inserts are on-site and available for finish crew.
- Slurry pit location provided and arranged for by interior finish company.
- Water available on-site. If your home is on a well system for water, request a Water truck provider service.

\* Note: Pebble finish requires a second day to complete – acid wash.  
Plaster finish is installed and water filling the pool the same day.



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## Swimming Pool Construction Checklist:

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Pool Startup: Date Scheduled: \_\_\_\_\_ Date Completed: \_\_\_\_\_

- Pull skimmer plug from bottom of skimmer – requires long handle t-bar with 2” square socket.
- All chemicals and start up materials on-site.
- Salt water pools require large amount of salt (200 – 400 lbs.) use quick dissolve salt.
- Pool equipment orientation available from pool startup company.

**Start up date:** \_\_\_\_\_

Start up water chemistry

Water calcium number: \_\_\_\_\_

Total hardness number: \_\_\_\_\_

Recommended PH level: \_\_\_\_\_

**Record:** All pool equipment manufacture model and serial numbers .

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