



GWINNETT COUNTY SWIMMING POOL PLAN REVIEW CHECKLIST

Pool Name: _____

Address: _____

Contractor: _____

Phone: _____

Number of Pools Applied for: _____

GENERAL INFORMATION

- Plan review paid
- Pool Piping plan stamped by Design Professional. A Design Professional is a Registered Architect of Georgia, a Registered Landscape Architect, a Professional Engineer of Georgia, or a Registered Engineer of Georgia.
- Gwinnett Environmental Health hydraulics worksheet completed for each pool.

Waste disposal method

- Sanitary sewer
- Septic: Permit Number _____

POOL CONSTRUCTION

- Pool will be constructed of inert, enduring, smooth and easily cleanable material and completely light colored. Vinyl liner prohibited. Any pool interior surface which has any aggregate which is not light colored is prohibited. Only white plaster can be approved without additional information sample. Once a pool interior surface sample is approved any change of material must be approved by Gwinnett County Environmental Health.
- Pool will be connected to the public water supply.
- Plan has overhead and sectional view.
- Plan shows all piping including connection between piping at pools and piping in the pump room.



Gwinnett Environmental Health Services

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- Plan shows deck sloping minimum of ¼ per foot away from pool to either deck and/or landscape drains.
- Pool interior corners will be coved.
- Lifeline will be installed at break.
- Slope for depths less than five (5) feet will be less than 1:12; depths greater than five (5) maximum slope will be 1:3. Slopes for wading pools and spray pools will be less than 3 inches per 10 feet but at least 1 inch per 10 feet. Slopes for zero-depth entry pools will be a maximum of 1:15.
- Slip-resistant tile depth markings “FT” or “FEET” will be provided on the deck at shallow, break and deep ends. Tile depth markings will be provided on the water line at the shallow, break and deep ends.
- One egress will be provided for every seventy-five (75) feet of perimeter. A ladder or recessed steps provided at the deep portion of the pool. When a pool width at the deep portion is greater than thirty (30) feet, ladders will be provided on both sides of the pool at the deep portion.
- Steps will be slip-resistant and have a maximum riser of twelve (12) inches and a minimum tread width of twelve (12) inches.
- Ladder treads will be at least fourteen (14) inches wide and at least five (5) inches deep. Treads will have a vertical spacing which does not exceed twelve (12) inches.
- The deck must be at least five feet wide. All decking within five (5), including coping, feet of the pool edge will be constructed of slip-resistant approvable material. Broom swept concrete is approvable without further information. However, any other flooring material will necessitate a sample or a manufacturer’s specification sheet showing the flooring material has a slip coefficient of at least 0.6 when wet.
- All hose bibs will have a visible vacuum breaker.
- Any in-line fill system will have a back flow preventer.

DIVING AREAS Number of boards provided _____

- Fifteen (15) feet unobstructed clearance will be provided above diving board.
- Board will be made of non-slip, easily cleanable, corrosion resistant material.
- Handrails will be provided at all steps/ladders leading to boards one (1) meter or more in height above the water.
- Platforms and diving boards one (1) meter or more in height will have guard railings.



LIGHTING

- Underwater lighting will be sufficient to provide:
- 100 lumens per square foot of surface area for indoor pools
- 60 lumens per square foot of surface area for outdoor pools.
- Deck lighting will be adequate.
- No overhead wiring will pass within twenty (20) feet of the pool enclosure.
- Underwater lighting will be grounded.
- Switches, starters, panel boards, or similar electrical equipment will not be accessible to bathers.

SAFETY

- Minimum four foot high fence or barrier will be provided around entire pool area with a maximum of four (4) inches clearance between bottom of barrier and ground surface. Tension wire will be installed along base of any chain-link fence.
- All entrances into the pool enclosure shall be located at shallow end of pool and shall be self-closing with a lockable self-latching device.
- Adequate first aid kit will be provided.
- One ring buoy will be provided of not more than eighteen (18) inches in diameter with an attached.
- Throwing rope of a length equal to the width of the pool plus ten (10) feet.
- Shepherd's crook will be provided which is a minimum of sixteen (16) feet.
- A "No Attendant/No Lifeguard on Duty" sign will be provided.
- Approvable pool rules sign will be provided.

FILTRATION PUMPS

- Pump sized adequately as per hydraulic review to provide minimum applicable required turnover rate. Standard pool turnover is eight (8) hours; wading pool; two (2) hours; spa thirty (30) minutes; zero-depth pool is two (2) hours, and any pool which is a combination standard pool and another pool type is eight (8) hours.
- Adequate manufacturer's cut sheet with performance curve provided.



FILTRATION SYSTEMS: SAND FILTER

- Filter sized according to maximum rate of 15 gallons per minute per square foot.
- Adequate manufacturer's specification sheet provided.
- Influent and effluent pressure gauges will be provided for each filter.
- Backwash line will have sight glass.
- When backwash line is draining into a receiving pipe, there must be an air gap.

FILTRATION SYSTEMS: CARTRIDGE FILTER

- Filter sized according to maximum rate of 0.33 gallons per minute per square foot.
- Adequate manufacturer's specification sheet provided.
- Influent and effluent pressure gauges will be provided for each filter.
- Layout for ease of operation and maintenance.

FILTRATION SYSTEMS: DIATOMACEOUS EARTH FILTER

- Filter sized according to maximum rate of 2 gallons per minute per square foot.
- Effluent pressure gauge will be provided for each filter.
- Influent pressure gauge will be provided for each pressure diatomaceous earth filter.
- Influent vacuum gauge vacuum gauge will be provided for each vacuum diatomaceous earth filter.
- Adequate manufacturer's cut sheet documenting filtration provided.

INLETS

- An inlet will be provided for every fifteen feet of perimeter of a standard pool.
- An inlet will be provided for every ten feet of perimeter of a wading pool.
- Inlets will be evenly distributed.
- Floor inlets will have diffuser plates and wall inlets will have eye-ball sockets.
- Inlets will be spaced not more than twenty (20) feet apart.



SKIMMERS

- Adequate number of skimmers will be provided as per hydraulics review.
- Minimum flow through rate of 30 gallons per minute is provided as per hydraulics review.

GUTTERS

- Overflow gutters will extend completely around the pool except at steps or ladders.
- Overflow gutters will be provided with drain outlets; covered with removable gratings, spaced no more than fifteen (15) feet apart and no smaller than two (2) inches in diameter.

MAIN DRAIN COVERS FOR FILTRATION AND FOR WATER FEATURES

- All covers adequately sized for total flow, as per hydraulics review.
- At least two suction outlets not more than thirty feet apart and in a tee configuration provided.
- Covers are compliant with ASME/ANSI A112.19.8 performance standard.
- Adequate manufacturer cut sheets provided.

CHEMICAL EQUIPMENT: GAS CHLORINATION

- Store chlorine and chlorinating equipment including scales and one extra chlorine cylinder in separate, well ventilated room. Room must be sealed air tight from adjacent rooms.
- Floors of room shall not be below ground level.
- Provide exhaust fan located at floor level and vented to outdoors. Must provide complete air change in 2 minutes.
- Louvers provided at top of room, on wall opposite exhaust fan for admitting fresh air.
- Door of chlorine and chlorinating equipment shall open to the outdoors, a viewing window and light switch outside entrance into room required.
- All gas tanks secured with chains.
- Provide gas mask designed for use with a chlorine atmosphere located outside room.
- Only properly trained and experienced personnel shall install or operate equipment.



CHEMICAL EQUIPMENT: EROSION FEEDERS (CHLORINE/BROMINE)

- Adequate manufacturer's cut sheet provided.

BATHHOUSE REQUIREMENTS

- An approvable non-slip, easily cleanable restroom floor (including showers), which is pitched to a floor drain is provided. Juncture at floors/walls (including showers) will be coved. Broom swept concrete is approvable without further information. However, a manufacturer's specification sheet can be submitted showing the flooring material has a slip coefficient of at least 0.6, when wet.
- Tempered water provided to all showers and sinks with water temperature range of 90-110 degrees.
- Each restroom will be equipped with at least one hose bib with vacuum breaker.
- A minimum of one interior shower per sex will be provided.
- A minimum of one sink and two toilets per sex will be provided. The men's restroom can have a toilet and a urinal.
- One toilet is approvable in each restroom if the bather load is less than 75 people.
- A water fountain shall be provided.
- Any pool which does not have restrooms available nearby including but not limited to government or fitness facilities will meet the following bath house requirements:
 - 1 toilet for every 60 males,
 - 1 toilet for every 40 females,
 - 1 urinal for every 60 males,
 - 1 lavatory for every 60 males,
 - 1 lavatory for every 60 females,
 - 1 shower for every 40 males (minimum 3), and
 - 1 shower for every 40 females (minimum 3).

The number of men and women is based on the maximum bathing load divided by 2. The bathing load is determined by dividing the surface area of the pool by 10 if it is no deeper than 5 feet. If the pool has a section which is deeper than 5 feet, that section's surface area will be divided by 24 to produce a bathing load for the deep section which will be added to the less than



5 feet section to produce a total bathing load. However, the pool ownership can set a lower maximum bathing load which will be used for the purpose of calculating minimum amounts of restroom fixtures.

TEST KIT

- DPD Test kit will be provided.

OPERATING INSTRUCTIONS

- Operating instructions will be posted in pump room.
- The following inspections will be scheduled; piping and final. The piping inspection will be performed with the pipes completely uncovered and the size markings turned upwards.

_____	_____	_____
Designer Printed Name	Signature	Date
_____	_____	_____
General Contractor Printed Name	Signature	Date
_____	_____	_____
Pool Contractor Printed Name	Signature	Date