

ZERO ENTRY POOL INFORMATION

Capacity:	251,500 Gallons	Area:	6,937 Square Feet	Perimeter:	535 Feet
POOL RECIRCULATION PUMP:	PENTAIR CHK-200, 20 HP, 775 GPM@50' (THREE PHASE)				
VACUUM PUMP:	STARITE, P6EA6FL, 1.5 HP				
FILTER:	AQUA TEK-ATFSWF8/68.0 VACUUM D.E. FILTER SYSTEM				
CHEMICAL FEEDERS:	STENNER 85M5 (CL) STENNER 45M5 (pH)				
Valves:	Proportional flow, ball globe, or butterfly for return line, main drain, gutter and heater by-pass or approved equal, otherwise gate.Feeders to be wired with failure proof interlock with the recirculation pump.				

Pipe: PVC Schedule 40 NSFpw	Level (Static) Line Grate: SP1019.
Gutter: Pentair 540063 (2"x4")	Main Drain: Lawson Aquatics (18"x18")
Flow Meter: Blue White CF 30600P	MLD-FDG1818-SECURE
Vacuum Fitting: Hayward VAC-LOCK	Inlets: Hayward SP1425
Anchor: Hayward SP1392	Escutcheons: Frost 41661
Transformers: Area Lighting LG-300 / 12Volt.	Lights: Amerlite Series 300w / 12Volt, ground/NEC., Ch. 27, FBC 2008
Leaf Skimmer: LION 1010	Life Ring: (2) 24" W/30' Throw Line, Jim Buoy
Vacuum Head: RAINBOW 214	Hook: (2) RAINBOW 153
Brush: A&B 3004	Test Kit: Taylor K-2006
Vacuum Hose: Plastiflex	Ladder: Smith LFB 36B
Concrete: 3500 psi, 28 day	Tread: 6" Maximum from wall, 3" Minimum from wall.
Steel: ASTM GR40, A615	Crossed Braced Stainless Steel, Slip Resistant Treads, 28" minimum above deck. Must have caps or bumpers that rest firmly against pool wall.
Poles: (3) Jed, 16' Straight	Handicap Lift: SR Smith 81-772
Rope Anchor: (4) Hayward SP1040	(TO BE INSTALL IN 4' OF WATEROR LESS-CONFIRM LOCATION WITH OWNER)
Heater: (3) STARITE 400, 400,000 BTU (GAS HEATERS) - MUST BE FENCED	

ALL EQUIPMENT IS SPECIFIED ON THE BASIS OF DESIGN. SUBSTITUTION FOR ANY EQUIPMENT NEEDS TO BE APPROVED BY THE DESIGN ENGINEER. THE OWNER IS NOT RESPONSIBLE FOR FEE AJJSTMENTS FOR BIDS THAT HAVE BEEN SUBMITTED BASED ON CONTRACTORS EQUIPMENT THAT IS NOT SPECIFIED ON THE PLANS AND NOT APPROVED BY THE DESIGN ENGINEER.

POST POOL RULE SIGN

NO GLASS OR ANIMALS IN THE FENCED POOL AREA
NO FOOD OR BEVERAGES IN POOL OR ON POOL WET DECK
SHOWER BEFORE ENTERING POOL
DO NOT SWALLOW THE POOL WATER
MAX. MAIN POOL LOAD 155 PERSONS
NO DIVING
POOL HOURS DAWN a.m. TO DUSK p.m. (Untill lighting certified)

NOTE: Pool Rule Letters to be 1" high minimum except NO DIVING shall be 4" high minimum.

POST SPA RULE SIGN

NO GLASS OR ANIMALS IN THE FENCED POOL AREA
NO FOOD OR BEVERAGES IN POOL OR ON POOL WET DECK
SHOWER BEFORE ENTERING POOL
DO NOT SWALLOW THE POOL WATER
MAX. SPA BATHING LOAD 11 PERSONS
NO DIVING
POOL HOURS DAWN a.m. TO DUSK p.m. (Untill lighting certified)

NOTE: Pool Rule Letters to be 1" high minimum except NO DIVING shall be 4" high minimum.

ADDITIONAL SPA RULES

CHILDREN UNDER 12 MUST HAVE ADULT SUPERVISION
PREGNANT WOMEN, SMALL CHILDREN, PEOPLE WITH HEALTH PROBLEMS AND PEOPLE USING ALCOHOL, NARCOTICS OR OTHER DRUGS THAT CAUSE DROWSINESS SHOULD NOT USE SPA POOLS WITHOUT FIRST CONSULTING A DOCTOR.
MAXIMUM USE 15 MINUTES (A clock shall be visible from the spa to assist the patron in meeting the time requirement.)
MAX. TEMPERATURE 104 DEGREES
ALARM INDICATES SPA PUMPS OFF. DO NOT USE SPA WHEN ALARM SOUNDS UNTILL ADVISED OTHERWISE. (Only when spa is equipped with optional emergency kill switch.)

SPA#1 INFORMATION

Capacity:	2,000 Gallons	Area:	117 Square Feet	Perimeter:	43 Feet
SPA RECIRCULATION PUMP:	STARITE P6E6EL, 1 HP, 50 GPM AT 60'				
THERAPY PUMP:	STARITE, P6EA6HL, 3 HP				
FILTER:	AQUA TEK-ATFSS6CA/67 CARTRIDGE FILTER SYSTEM STARITE PLM 200, 200 SF, 75 GPM				
CHEMICAL FEEDERS:	STENNER 45M5 (CL) STENNER 45M5 (pH)				
ORP CONTROLLER:	CES MR1				

Flow Meter: Blue White CF 30200P	Main Drain: Waterway 640-472-SECURE meet ASME/ANSI A112 19-8-2007 NSF50, 64E-9
Lights: Amerlite Series 100w / 12Volt, ground/NEC., Ch. 27, FBC 2010.	Level (Static) Line Grate: Hayward SP1019.
Transformers: Area Lighting LG-100w / 12Volt.	Skimmer: Hayward SP1082 W/ SP1078 Equalizer Valve
Return Inlets: Hayward SP1419E	Equalizer Grate: Hayward SP1019
Rail: Smith (See Details)	Jets: Hayward 1430
Heater: STARITE 400, 400,000 BTU - (GAS HEATER) MUST BE FENCED	Related notes under Main Pool apply.
	Handicap Lift: NONE

SPA#2 INFORMATION

Capacity:	2,000 Gallons	Area:	117 Square Feet	Perimeter:	43 Feet
SPA RECIRCULATION PUMP:	STARITE P6E6EL, 1 HP, 50 GPM AT 60'				
THERAPY PUMP:	STARITE, P6EA6HL, 3 HP				
FILTER:	AQUA TEK-ATFSS6CA/67 CARTRIDGE FILTER SYSTEM STARITE PLM 200, 200 SF, 75 GPM				
CHEMICAL FEEDERS:	STENNER 45M5 (CL) STENNER 45M5 (pH)				
ORP CONTROLLER:	CES MR1				

Flow Meter: Blue White CF 30200P	Main Drain: Waterway 640-472-SECURE meet ASME/ANSI A112 19-8-2007 NSF50, 64E-9
Lights: Amerlite Series 100w / 12Volt, ground/NEC., Ch. 27, FBC 2010.	Level (Static) Line Grate: Hayward SP1019.
Transformers: Area Lighting LG-100w / 12Volt.	Skimmer: Hayward SP1082 W/ SP1078 Equalizer Valve
Return Inlets: Hayward SP1419E	Equalizer Grate: Hayward SP1019
Rail: Smith (See Details)	Jets: Hayward 1430
Heater: STARITE 400, 400,000 BTU - (GAS HEATER) MUST BE FENCED	Related notes under Main Pool apply.
	Handicap Lift: SR Smith 81-772 (TO BE INSTALL IN 4' OF WATEROR LESS-CONFIRM LOCATION WITH OWNER)

FENCE:

Florida Building Code requires that all public pools shall be surrounded by a minimum 48" high fence. The fence shall be continuous around the perimeter of the pool area that is not otherwise blocked or obstructed by adjacent buildings or structures and shall adjoin with itself or abut to the adjacent members. Access through the barrier other than from doored exits of adjacent building(s) shall be through self-closing, self-latching, lockable gates of 48" minimum height with the latch located a minimum of 54" from the bottom of the gate or at least 3" below the top of the gate on pool side. Gates shall open outward away from the pool area.

RESTROOMS

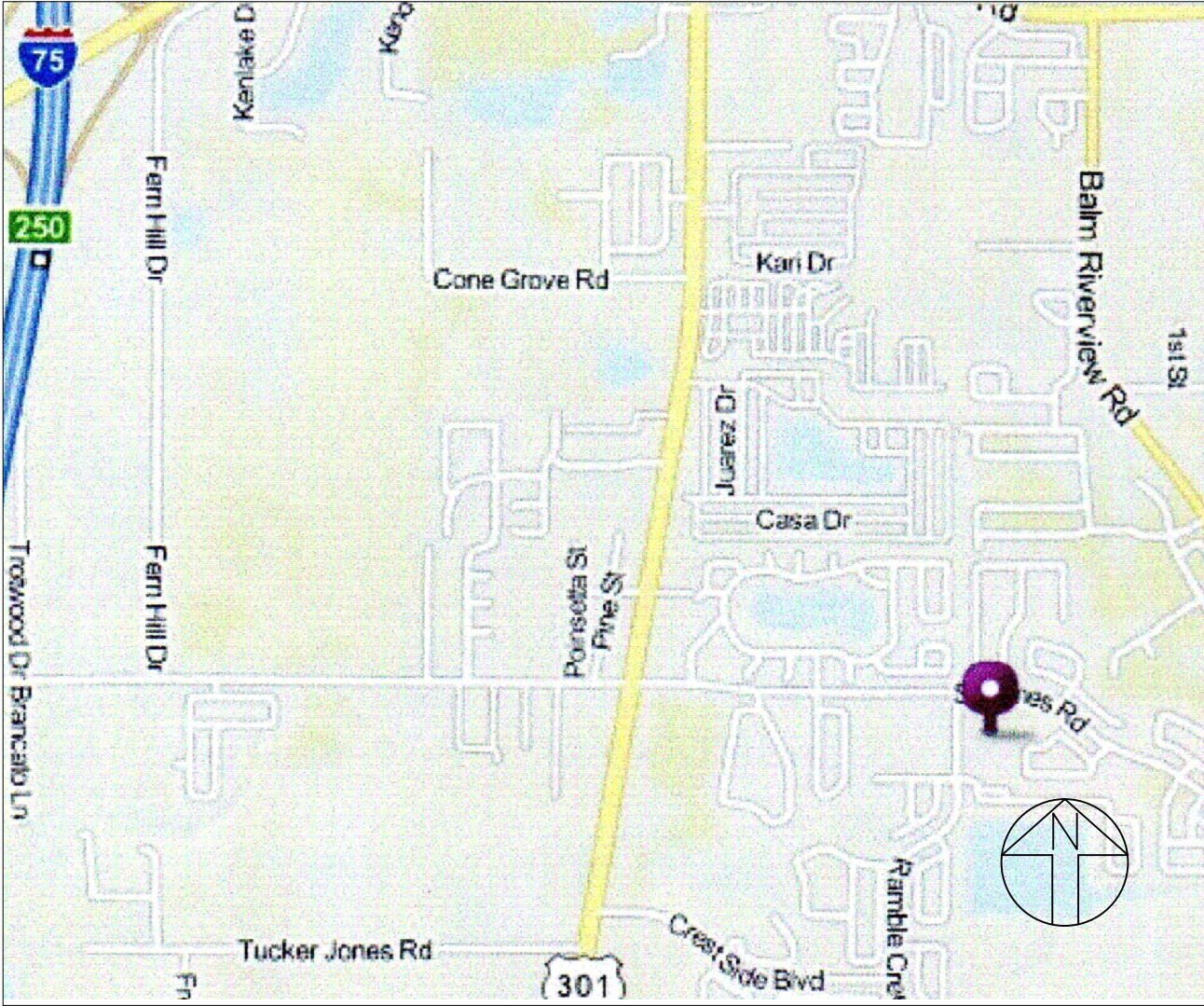
Outside access to facilities shall be provided for bathers at outdoor pools and if they are not visible from any portion of the pool deck, signs shall be posted showing directions to the facilities. These directions shall be legible from any portion of the pool deck and the letters shall be a minimum of one inch high. Walkways shall be provided between the pool and the sanitary facilities, and shall be constructed of concrete or other nonabsorbant material having a smooth slip resistant finish for the first 15 feet of the walkway measured from the nearest pool water's edge.

Floors: smooth, non-slip, impervious, pitched to floor drains, cove wall to floor, no carpet, duckboard or footbaths. Provide permanent towel, tissue, soap dispensers and waste baskets. Label doors. Install hose bib w/ vacuum breaker, either in restroom or outside with in 25' for ease of cleaning. Water shall be from an approved potable source with air break. Diaper changing tables shall be provided at facilities that cater to families with small children.

NOTE: Restrooms are located within 200 FT walking distance of pool waters edge.
Mens Room will have a minimum of:
2 Water Closet, 2 Urinal, 2 Lavatory.
Womens room will have a minimum of:
6 Water Closet and 2 Lavatory.

GENERAL NOTES:

- Structure suitable when empty for ground water not higher than 6" above main drain.
- Permanent Tile depth markers, minimum 4" high with contrasting color, slip resistant flush on deck or top of beam not more than 2 feet from water edge and inside back of gutter (glazed) minimum 4" high.
- Permanent Red International *NO DIVE* Tiles, non-slip flush minimum 4" high, on top of the deck not more than 2 feet from water edge every 25 feet of perimeter maximum see detail.
- All equipment shall have NSF, UL, or appropriate approval.
- All electrical, grounding, wiring & bonding to comply with Chapter 27, Florida building code FBC2008, Chapter 27 Electrical. NEC Section 680.26(C). No overhead power within 10 feet. Electrician must certify compliance to engineer. NEC 680.26(C) requires that all parts specified in 680.26(B) shall be connected to an equipotential bonding grid with solid copper conductor, insulated, covered. or bare, not smaller than 8 AWG or rigid metal conduit of brass or other identified corrosion-resistant metal conduit. Connection shall be made by exothermic welding or by listed pressure connectors suitable for the purpose and are of stainless steel, brass, copper, or copper alloy.
- Pool make-up water is from an approved source with air gap.
- No direct connections between water and sanitary systems, minimum 3" gap.
- Vacuum breakers on all hose bibs in pool area.
- Minimum 7" vertical clearance above deck and pool water.
- No food or drink services to be within 12 feet of inner edge pool deck.
- Walkways between pool and sanitary facilities shall be impervious, slip resistant for the first 15 feet from pool water edge.
- If night swimming is allowed, overhead lighting shall provide at least 3 foot candles of illuminations at the water and wet deck level.
- Overhead illumination of 30 foot candles at floor level in equipment room.
- Owner to provide storage of chemicals under roof, protected from access by unauthorized persons.
- Owner to provide traffic barriers at deck if needed.
- Main drain(s) to meet ASME/ANSI A112 19-8-2007, NSF50, 64E-9 and comply with Virginia Graeme Baker Act.
- Feeders to be interlocked with recirculation pump.
- Pipe: PVC schedule 40 NSFpw
- Gauges: 2" minimum; 0-60 psi.
- Test Kit: Taylor 2006 or Equal
- All electric and ground to meet 2008 NEC or local code.
- Pool makeup water supply, auto and manual fills shall have air break.
- The equipment area or collector tank or chemical containers shall not be accessible to unauthorized individuals.
- Install new equipment and plumbing per manufacturers instructions.
- Plastic pipe subject to a period of prolonged sunlight exposure must be coated to protect it from ultraviolet light degradation
- ALL EQUIPMENT MUST BE LABELED AND EASILY READ, THIS INCLUDES THE FLOWMETER.
- All equipment (pumps, motors, pressure gauges, valves, auto and manual fills, piping, filters, flow indicators and flow meters) must be operating properly before calling this office and/or the Health Department for inspection.
- Lighting certification is not part of this submittal. Contact a Lighting or Electrical engineer for certification.
- Direct access to equipment is required.
- Pool and Bathhouse electrical outlets to be GFCI with trip points 10mA or less with cover.
- Pool chemicals to be stored away from other materials in a cool, dry , ventilated area with restricted access.
- Pool to have Shepherd's Hook, Straight Pole, Ring Buoy for safety equipment.
- The deck must not have pits and crevices more than $\frac{3}{16}$ " deep.
- A flow meter shall be provided with properly located and proper clearances upstream and down stream.
- A gate to the equipment area must be provide within 10' of the equipment area.
- The equipment room area must provide clearances for all equipment as prescribed by the manufacturer to allow normal maintenance and removal.
- All equipment meets NSF/ANSI Standards 50-2007.
- Recirculation pump must havea hair and lint strainer.
- All exposed PVC piping will be painted for UV protection.
- The plans meet FBC 2010.



LOCATION MAP - NTS
ADDRESS:
11560 RAMBLE CREEK DRIVE
RIVERVIEW, FLORIDA 33569
HILLSBOROUGH COUNTY

GB Collins Engineering P.A
Certificate of Authorization 27934

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For: JAH Architects, LLC

Rivercrest Zero Entry Pool and Spa
Equipment List and Notes

					Samuel A. Liberatore, P.E. #55740
No.		Revision/Issue		Date	

Samuel A. Liberator, P.E. #55740