

Specifications for Union County Spray Pad

Spray Pad Concrete – Provide 3500 psi broom finish concrete, 6" thick with #4 rebar at 12" on center each way. Prepare surface of spray pad concrete to except the rubber coating by Splashread. Coordinate finish requirements with rubber coating installer.

Deck Concrete – Provide 4" thick, 3000 psi broom finish concrete with a 6" x 6" welded mesh. Install a 1/2" expansion joint where pool deck meets the spray pad concrete. Caulk with gray Sikaflex caulk.

Spray Pad/Tanning Pool Gravel – Install 3" layer of compacted #57 stone over compacted fill after all piping has been installed and trenches are re-compacted.

Pool Skimmer – At the tanning ledge portion of the spray pad install 3000 psi broom finish concrete. Provide a 3/8" diameter on the pool wall section. Front edge form to be a Stepmeter commercial form. Coping to be 3" thick x 1" wide. Saw cut 3/8" deep control joints every 2' feet. Install expansion joint behind coping and caulk joint with gray Sikaflex.

Concrete Reservoir – Install a precast surge tank (8' x 8' x 8') as shown on the drawings. Pre-cast tank to include factory installed penetrations as shown on the drawings. All penetrations should be made water-tight with non-shrink grout or hydraulic cement. Provide a Type K aluminum Bilco hatch cast into the reservoir lid. Bilco hatch to be 30" square with all stainless hardware. Install polycarbonate ladder rungs as detailed to provide ladder access into the tank.

Reservoir Autocill System – Install a 1" C10-Vel similar to Model 124-01. C10-Vel installation should include float and float rods as required for installation. Float shall be installed even with the operating water level. C10-Vel and float rods should be stainless steel. Provide a 1/2" diameter C10-Vel from 8" PVC stub-in chamber mounted to fiberglass uni-strut with stainless steel fasteners.

Pool Drains – Provide 2 Lawson Model MLD-SG-1212 VGB approved main drains with 4" connections. Install hydrostatic relief valve and collector tube in one of the drains.

Spray Pad Drains – Provide 4 ASA Manufacturing 12" x 12" fiberglass surps with flat grate. Model FPK-50-812-4-FF. All drains with 4" connections.

Pool Waterline Tile – Install 6" x 6" glazed frost proof waterline tile in the tanning ledge portion of the pool. Waterline tile to be installed in the entire area inside the zero depth grating. Color selection by Owner.

Zero Depth Grating – Provide Lawson 10' perpendicular pool grating as shown at the zero entry depth area. Grating to be white. Zero Depth Tile at Grating – Install a single row of white 2" x 2" unglazed mosaic tile similar to Daltile Keystone as shown on the drawings.

Skimming Pool Waterline Finish – Install white Sidercrete interior finish to the unfinished portion of the tanning pool. Sidercrete to be installed by a factory certified installer. Contractor to submit installer references for approval.

Tanning Pool Floor Returns – Install white adjustable floor returns as shown.

Tanning Pool Skimmers – Install skimmer as shown on the drawing. Skimmer to be a standard Sto-Rite skimmer for concrete installation.

Spray Pad Rubber Coating – Install Splashread/Toturf safety coating as manufactured by Robertson Recreational Surfaces. Splashread should be installed by a certified installer. Contractor to supply installation references for approval. Splashread will be a single color.

Spray Pad Water Features – Install Owner furnished spray pad water features. Water feature installation will include piping, anchor and base installation and the installation of electrical conduits. Contractor to submit a shop drawing detailing device installation.

Filter Pump – Install 2 HP Pentair Whisper-Flo XF-8. Confirm available voltage.

Feature Pump – Provide Sto-Rite Model EQ-750 7.5 HP pump. Confirm available voltage.

Sand Filter – Provide a 42" Neptune Benson Legacy – 42 CCF/5 Filter with 3" multi-port valve.

Feature Manifold – Provide a 13 position feature manifold constructed from Schedule 80 PVC pipe and fittings. Install manifold with bypass and valving as shown on the drawings.

Union Ball Valves – All ball valves (2" diameter or less) will be true union style PVC ball valves. (3" diameter and larger) will be PVC valves with stainless steel stems.

Butterfly Valves – All butterfly valves (3" diameter and larger) will be PVC valves with stainless steel stems.

Filter Pump Motor Starter – Provide a subdole motor starter compatible with the motor of the filter pump. Motor starter to be installed in a cabinet of suitable size. The starter will disable power to the chemical control system when the filter pump is off.

Feature Pump VFD – Provide a programmable VFD. VFD should be capable of receiving a signal from an external momentary contact switch that will power up the feature pump on a soft start basis then run at full speed for a programmable time period before shutting off. VFD to be similar to GE Model AF600FP. Chemical Controller – Chemical controller system shall be equal to Hayward CAT 2000.

Piping – All piping (except manifold) to be pressure rated Schedule 40 PVC.

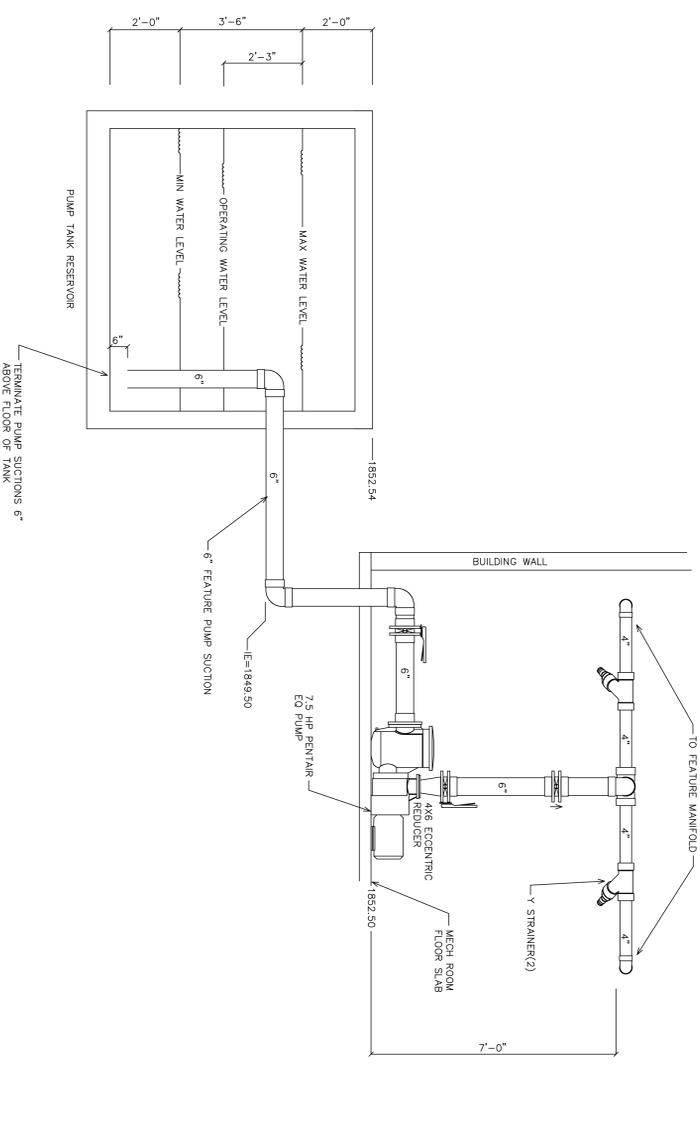
Pressure Gauges – Install 2" stainless steel, liquid filled gauges as shown on the drawings. Install similar vacuum gauges at suction connection for both pumps. All gauges to include petcock valve.

Chlorine and Acid Feed System – Provide 2 poly 55 gallon drums with removable stainless steel lids. Provide 2 poly 45 gallon per day Strainer Bore. Connect pipes to the outputs of the chemical controller. Label pumps and barrels for safety.

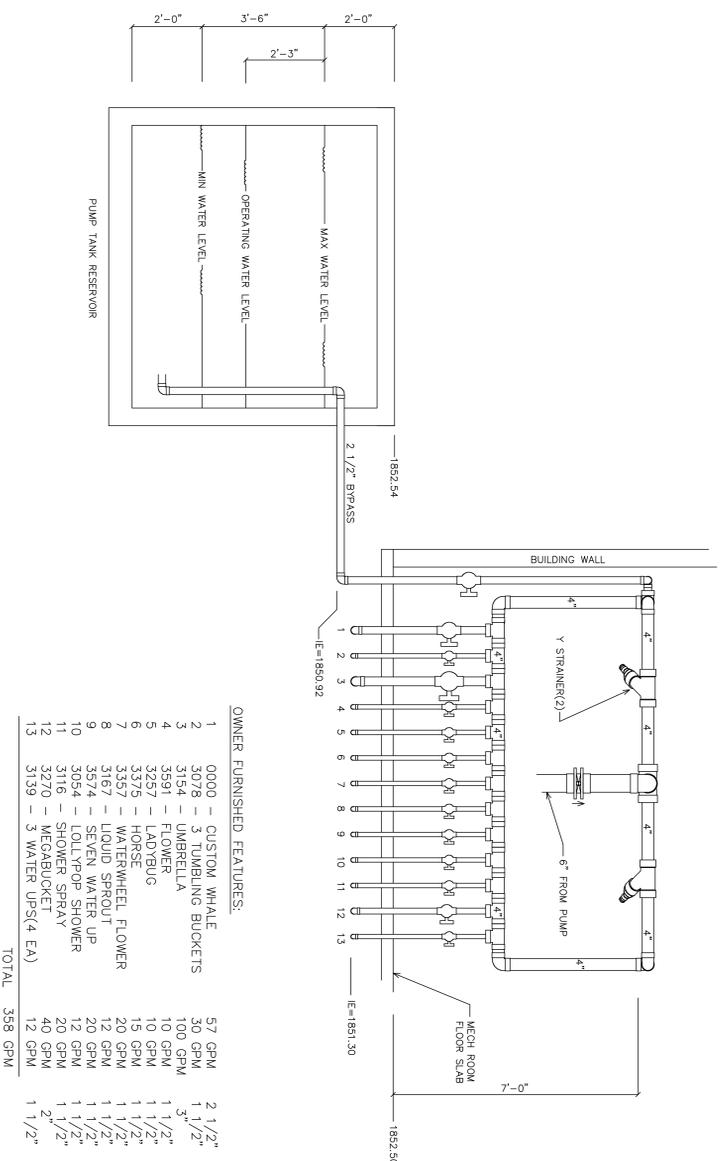
Y Strainer – Install 2 Hayward 4" Y Strainers as shown on the drawings. Strainers to be Model # YS10400SEU. The Y strainers screen should be sized to eliminate any material from plugging the nozzles on the Nirpo equipment.

Pump Reservoir Valves – Provide a Neptune Benson 4" valve assembly that includes a Dominion Bare Stem butterfly valve Model #51604OR037 with stainless steel valve extension tee handle and stem adaptor. Stainless steel extension is Model #514RPEXT14X.

1 FEATURE PUMP ELEVATION
1/2"=1'



2 FEATURE MANIFOLD PIPING ELEVATION
1/2"=1'



997 MANSSELL ROAD, SUITE B
ROSWELL, GA. 30076

PROJECT: MEEKS PARK, UNION COUNTY
SPRAYPAD

11 POOL LANE
BLAIRSVILLE, GA

DRAWN BY: HDP
DATE: 5/28/15
SCALE: AS NOTED
FOR CONSTRUCTION
SHEET DETAILS AND GENERAL NOTES
GM-3