

## CITY OF TUCSON

### Planning & Development Services Department

#### ACTIVITY T19BU00078

Telephone keypad conversion for activity:

T = 8, CM = 26, DP = 37 (**DP ONLY:** DO NOT enter dash. DO enter # at the end of activity number)

PROJECT ADDRESS:

2121 N EVELYN AV TUC

CONTRACTOR:

DESCRIPTION OF PROPOSED WORK:

POOL RENOVATION

#### **REQUIRED INSPECTIONS:**

Item: 08005 POOL/SPA PRE-GUNITE Item: 08030 POOL/SPA PLUMBING Item: 08035 POOL/SPA ELECTRIC

Item: 08050 POOL/SPA BONDING GRID Item: 08090 POOL/SPA FINAL/BARRIER

## \*\*\* Scheduling Inspections \*\*\* MUST SCHEDULE PRIOR TO 3:15 P.M. FOR NEXT BUSINESS DAY

## Online (Registration Required) @ http://www.tucsonaz.gov/velocityhall

Or by phone: 520-791-3111

Telephone instructions can be found @ http://www.tucsonaz.gov/pdsd/ivr

Inspections are made between the hours of 7:30am to 3:30pm. Appointments are not available but you may leave a message when scheduling an inspection, with your, call back number, and if you need to speak with your inspector. If you have questions on inspections outside of PDSD dial:

724-7908 Pima County Health Department

791-3234 Fire Inspections

791-4371 Department of Transportation

NOTE: ACTUAL INSPECTION CARD, APPROVED PLANS AND PREVIOUS INSPECTION RESULTS MUST BE POSTED AT JOB SITE. MAINTAINING THIS SCHEDULE OF REQUIRED INSPECTIONS IS THE RESPONSIBILITY OF THE PERMIT HOLDER. UNCOVERING OF WORK THAT HAS NOT BEEN INSPECTED AND APPROVED MAY BE REQUIRED BY THE INSPECTOR.



## 201 N. STONE AVENUE, 1ST FLOOR TUCSON, AZ 85701 PHONE: (520) 791-5550

## **CITY OF TUCSON PERMIT**

ACTIVITY T19BU00078

	7.0.202.	11/2/2000	.70	
SITE ADDRESS:2121 N EVELYN	N AV TUC		PARCEL NUMBER:1	33-04-431A
LEGAL DESCRIPTION: PARK LOT	r a common area	PRIVATE PARK	EXC WLY PTN - 33	094
TOWNSHIP-RANGE-SECTION: 14-	-15E-03	ZONING:	BASE MAP:	
FOTAL BLDG. SQUARE FOOTAGE FOTAL VALUATION: \$50,000.		PLAN	NUMBER:T19BU000	78
TYPE OF PERMIT: POOL/SPA DESCRIPTION OF PROPOSED WO	ORK: POOL RENOVAI		OF APPLICATION:P	СОМ
NOTICE: THE PLANS AND SPECIFICATIONS NOT BE CHANGED, MODIFIED OR ALTERED ACCORDANCE WITH THE APPROVED PLANS.	WITHOUT THE WRITTEN		•	,
THIS PERMIT BECOMES NULL AND VOID IN SUSPENDED OR ABANDONED FOR A PERIOD BY A RECORDED REQUEST FOR INSPECTION INDERGROUND UTILITIES, SEWAGE DISPOSEMENT.	OF 180 DAYS AT ANY T N. THE PERMIT HOLDER	IME AFTER WORK IS HAS THE RESPONSIBI	COMMENCED. SUCH TIME PRINTED THE DESCRIPTION OF THE	ERIODS SHALL BE EVIDENCE LOCATION OF EXISTING
ERTIFICATION: I HEREBY CERTIFY THAY CORRECT. ALL PROVISIONS OF LAWS AND THE GRANTING OF A PERMIT DOES NOT PI LAW REGULATING CONSTRUCTION OR THE	ORDINANCES GOVERNING RESUME TO GIVE THE AU PERFORMANCE OF CONSTR	THIS WORK WILL BE THORITY TO VIOLATE UCTION. REPRESENTA	COMPLIED WITH WHETHER OR CANCEL THE PROVISION	SPECIFIED HEREIN OR NOT ONS OF ANY STATE OR LOCA
PROPERTY FOR THE PURPOSE OF CONDUCT:	ING INSPECTIONS OF TH	E WORK.		
	REGULATED BY THE PITHROUGH SECTION 32-ARCHITECT/ENGINEER AS I AM AN ARCHITE AS DEFINED IN A.R. I DO NOT ENGAGE IN TITLE 32, CHAPTER OWNER/BUILDER: I HI IS ISSUED WILL BE	ROVISIONS OF A.R -1198,05 OR AS A :: I AM EXEMPT FF CT OR ENGINEER E S. TITLE 32, CHA THE ACTIVITY OF 10 (SECTIONS 32-1 EREBY AFFIRM THA DONE BY ME AS OW	MENDED).  COM THE LICENSING REQUING IN MY PROFES  APTER 1 (SECTION 32-10)  A CONTRACTOR AS DEF  101 AND 32-1102).  T THE WORK FOR WHICH	R 10 (SECTION 32-1101  QUIREMENTS SIONAL PRACTICE 1 AND FOLLOWING). PINED IN A.R.S.
				26 2212
SIGNATURE			DATE:02-2	26-2019

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION AND SPECIAL CONDITIONS



## **THOROSEAL®**

## Cement based coating for waterproofing concrete and masonry

#### BASF Belgium Coordination Center Comm. V. Business Belux - Construction Chemicals Nijverheidsweg 89, B-3945 Ham 09 BE0021/01 EN 1504-2 Rigid cementitious waterproofing coating EN 1504-2 Principles 1.3 / 2.2 / 8.2 Compressive strength ≤ 30 x 10°7K Coefficient of thermal Water vapour permeability Class I Capillary water absorption w ≤ 0,1 kg/m²x h³s Adhesion strength by ≥ 1.0 MPa pull-off test Adhesion after thermal compatibility - Freeze/Thawwith salt - Thunder/Shower Artificial weathering 1.0 MPa Pass Fire resistance Dangerous substances Complies with 5.4

#### **Description of product**

THOROSEAL is a blend of Portland cements, well-graded sands and additives supplied in powder form.

#### Uses

- For interior and exterior waterproofing of concrete and masonry, above and below ground level, for example, tanking of basements, water reservoirs, tunnels, swimming pools, lift pits, concrete pipes, etc.
- · As a replacement for external rendering systems.
- As a waterproof coating on walls and floors of showers, bathrooms and toilets before the fixing of tiles.

#### **Benefits**

- Durable
- Resists positive and negative water pressure.
- Above and below ground level.
- Water vapour permeable.
- High bond strength, becomes integral part of the substrate.
- Blocks the pores of concrete through penetration.
- Cost effective
- Good application rate.
- · Easy to apply
- Can be brushed or sprayed.
- To be applied on a damp substrate.
- Equipment to be cleaned simply with water.
- Environmentally friendly
- Cement based.
- No solvents.

#### Product data

Typical physical properties<sup>(a)</sup>

Maximum grain size		0.8 mm
Resistance to negative	ure 4 bar	
Capillary water absorpti (EN 1062-3)	$0.09 \text{ kg/m}^2 \times \text{h}^{-0.5}$	
Water vapour permeabi (DFT = 3.1 mm) (EN ISO 7783-1)	lity - µH₂O	96
Artificial Weathering (EN 1062-11)		Pass
Mechanical properties Compressive strength (EN 12190)	28 d.	48 N/mm²
Flexural (EN 12190)	28 d.	9.7 <b>N</b> /mm²
Adhesive Bond (EN 1542)	28 d.	3.69 <b>N</b> /mm²
Adhesive Bond after Freeze/Thaw (EN 1368)		3.63 N/mm²

 (a) Typical values. All tests were carried out under controlled conditions

#### Clean up and spillages

Not hardened material may simply be removed with water.

#### Additional information

THOROSEAL fills pores and voids, forms a closely-meshed material and contains water-repellent additives. Condensation may occur after waterproofing basement areas. It could last for a considerable period in poorly ventilated areas and is most likely to form in areas which where previously damp. The formation of condensation can be alleviated by increasing the ventilation and/or plastering the walls with a lightweight, cement-based plaster.

THOROSEAL is not suitable for retaining water with a low calcium hardness and/or a pH of less than 7,2 (THOROSEAL FX100 may be used for this application). Nor is suitable for application to horizontal surfaces that are subject to freeze/thaw cycles or vehicular traffic.

If THOROSEAL is used to waterproof a potable water reservoir, a swimming pool or a fish tank, it should be washed down after the curing completed with a saline solution (salt brine), 12,5% of salts in water, and thoroughly rinsed with clean water. This process should be repeated until the required pH conditions are obtained.

Sulphate contaminated substrates exposed to negative water pressure should be treated with THOROSEAL WR.

#### Health and safety

THOROSEAL is based on cement and can be irritating to the skin and eyes. Gloves and eye protection should be worn. The use of dust masks is recommended. Accidental splashes of the material to the skin or eyes should be immediately washed off with clean water. In the event of prolonged irritation seek medical advice. In the case of ingestion give water or milk to drink and treat symptomatically. Medical advice should be sought.

A Material Safety Data Sheet is available on request.

#### Thoro

BASF Belgium Coordination Center Comm. V.-Business Belux – Construction Chemicals

Nijverheidsweg 89 B-3945 Ham www.thoro.com

Tel. +32 11 34 04 32 Fax +32 11 40 13 92

B.T.W./T.V.A. BE 0862.390.376

This edition replaces all previous editions.

RPR/RPM Antwerpen

Important note: Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to make sure that each product is appropriate for the purpose for which he intends to use it and that the actual conditions of use are suitable.





Your distributor:

# DIGITAL GAS POOLAND SPA HEATER

RUGGED-STEEL CONSTRUCTION

ENERGY

DIGITAL CONTROLS

#### Digital Control

#### **Microprocessor-Controlled Thermostat**

104F Spa Set Heating

The Raypak Digital gas heater is equipped with a microprocessor-based control. This control allows you to set your pool and spa temperature precisely at your

preferred setting just by pressing an up or down temperature control button. The digital display tells you when the water is being heated and notifies you when your target temperature has been reached.

Spa Set 104F No Demand

#### **Self-Diagnostic**

Spa Set 104F Sensor Failure

Troubleshooting a Raypak gas heater has never been easier. The Raypak Digital has on-board diagnostic controls that let the user and the

service professional know what is going on with the heater at all times. The display uses real English, with no cryptic codes to decipher.

Spa Set 104F No Pilot Sensed

#### **Remote-Compatible**

Remote Pool 104F Water Temp

The Raypak Digital is compatible with most major pool control and remote systems on the market today. Any two- or three-wire remote can connect to the

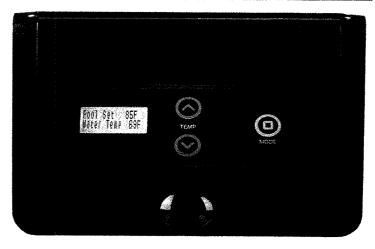
Raypak Digital and be integrated into the pool control system of your choice. The display clearly shows the heater is under control of a remote system.

#### **Run Time and Cycle Meter**

Run Time 100h Cycles 134

Yet another industry first, the Raypak pool heater can report how long it has run and how many times it has fired. This is valuable feedback for the service professional.

Multi-unit installations can monitor the run time of each unit and balance out the duty load, thus avoiding over working one individual



#### Flame Strength Indicator

Flame Strength BERNEN 8 Good Raypak leads the way with the first control in the pool industry to monitor and measure the pilot flame signal. Known for our high quality, leading edge com-

mercial boilers, it just made sense for Raypak to use this existing commercial technology on our residential pool heaters. This little tool is a service tech's dream. Raypak also uses this function on the end of line test, making sure every heater leaves with a robust flame signal.

#### On Board Voltmeter

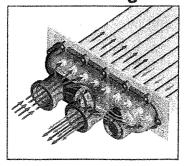
Supply Voltage 28.2

The Raypak Digital monitors the low voltage electrical supply. This helps ensure the heater is wired properly during installation. The heater will also let you know

if the voltage has dropped too low to function properly. No other pool heater takes care of you like a Raypak.

Spa Set 1.04F Low Voltage

#### **Heat Exchanger**



#### **Condensation-Free Operation**

Both water temperature and flow rate inside the heater are controlled to help eliminate condensation, sooting and scale buildup that can shorten the life of a heater. Raypak engineered the Unitherm Governor specifically for pool heater applications, regulating low-temperature incoming water to help reduce condensation. The built-in automatic bypass helps prevent scaling and erosion by balancing the flow going into the heat exchanger.

#### **Rust-Free Waterways**

The Raypak Digital, with polymer headers, is equipped with an integral copper finned-tube heat exchanger and stainless steel tube sheets. Even the smallest details such as the stude and nuts are made out of stainless steel. The payoff? A heater that will last year after year and can easily be serviced if the need should ever arise.

#### Burners

#### Stainless Steel Burners

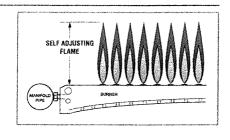
Burner design is a critical component in any gas heater. The stainless steel burner system used in the Raypak Digital is inherently forgiving and extremely robust. The burner is self-adjusting to compensate for gas pressure fluctuations, allowing the heater to always burn clean and safe.

#### Smooth Light Off

The soft-opening gas valve ensures smooth turn-on; no "Hard Light" to worry about. The easily removable burner tray and pilot assembly make service and maintenance a simple task,

#### **Pilot Ignition**

The Raypak Digital use a spark-to-pilot ignition system. This is the most reliable and robust ignition system available—an industry proven standard for over 30 years.



# ak Digital

## The right tube for the right application

#### Copper Fin Tube - Residential

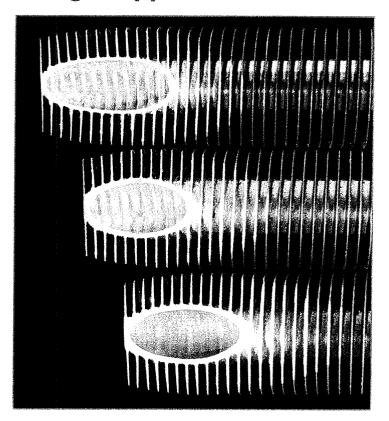
The Raypak Digital is built to last with the highest quality integral copper fin tube available. Copper is well known for its ability to efficiently transfer heat, and is the first choice for pool and spa heat exchanger construction. Pure copper has stood the test of time as the industry standard for efficiency, quality and product life.

#### **ASME Copper Fin Tube - Commercial**

The Raypak Digital ASME is designed specifically to meet State and local code requirements for public pools and commercial applications. This heater is equipped with a thicker walled fin tube allowing it to meet the ASME certification requirements.

#### **Cupro-Nickel Fin Tube - Specialty**

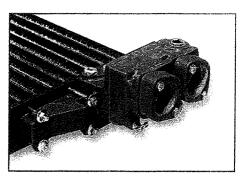
Raypak Digital heaters can be ordered with cupro-nickel fin tube heat exchangers for added protection against aggressive water chemistry. Although rare, there are certain applications, like health club spa's, where copper is just not the best choice. Cupro-nickel offers superior tolerance to bad and fluctuating water chemistry, thanks to a harder surface and a thicker walled fin tube.



## ASME ----



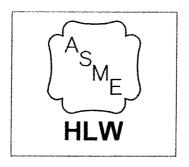
On-site state inspectors



Cast iron headers

#### ASME

The Raypak Digital heater is also available in an optional ASME version. Raypak has state inspectors on-site daily performing certifications for our pool heater and commercial boiler production that require ASME. Being in the boiler business for over 60 years truly makes Raypak the leader for your commercial needs. Why ASME? Most local codes require that public pools, pools that are in condominiums, apartments, or other commercial applications, be ASME certified. ASME stands for American Society of Mechanical Engineers, a non-profit group which sets many industrial and manufacturing standards. A pool heater that is made to ASME



standards must perform to a set of specifications as determined by ASME, specifically in relation to the operating water pressure the appliance can handle. Each and every ASME heat exchanger that goes into a Raypak heater is certified by a state inspector to make sure it complies with all ASME codes for pool heaters.

#### **Glass-Lined Cast Iron Headers**

Raypak has applied its years of commercial boiler experience to the design of the cast iron glass-lined header. A metal header design allows for the higher working pressures required by ASME. Only after the material meets the stress analysis and metal composition tests is it approved for use in an ASME unit.

#### Cabinet

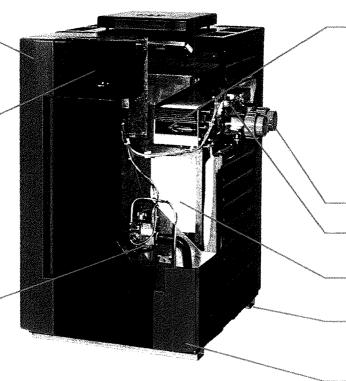
- Outdoor top (standard)
- Wind-resistant design
- Channels rainwater out
- \* Textured powder-coat finish
- Optional indoor top

#### **Digital Controls**

- Microprocessor-controlled
- Built-in diagnostics
- Back-lit LCD display
- Pool and spa settings
- Lexan cover- with snap closure
- Remote-compatible
- Flame strength meter
- Cycle and run time log
- Transformer output monitor
- Fault history-last 10

#### **Burner Tray**

- Easily removable
- Stainless steel burners
- Brass orifices
- \* Aluminized metals
- · Stainless steel heat shield
- Spark-to-pilot ignition
- Soft-opening gas valve



en e	copper (polymer headers) ASME copper and cupro	cupro-nickel (polymer headers)
Model	BTUH Input	BTUH Input
206	199,500	180,000
266	266,000	240,000
336	332,500	300,000
406	399.000	360,000

#### Heat Exchanger

- Integral copper fin tube -(standard)
- Automatic bypass
- Unitherm governor
- Polymer headers
- Stainless steel tube sheet
- Reversible for left-side water connections.
- \* ASME (optional)
- Cupro-nickel (optional)

#### 2" CPVC Connections

#### **High Limits and Controls**

Mounted on the in/out header

#### Ceramic Fiber **Combustion Chamber**

#### Non-Combustible Base

 Heater can be installed on a combustible surface

#### **Base - Interior Floor**

Stainless steel

#### 120/240V

Incoming power can be connected to the right or left side.

## **Optional D-2 Power Vent**

#### **D-2 Power Vent**

Sometimes, equipment rooms or unusual venting configurations require the use of a power vent. Being the heater experts, we have this option for you when the need may arise.

#### Through-the-Wall Capable

The D-2 Power Vent assembly is a Category III mechanical draft venting system that operates under a positive static pressure and prevents excessive condensate production in the vent. All sizes are capable of relieving flue gases up to a maximum of 100 equivalent feet of vent length. All models have a standard 4"-diameter exhaust connection.

#### **Multi-Position**

Using the Raypak-supplied adjustable 90° elbow, the flue gases may be discharged in any direction (see D-2 Power Vent manual for details). The D-2 Power Vent is also dual-voltage capable (120/240 volt) and engineered for long life and smooth operation.

D-2 Power Vent

For dimensions and technical specifications, see catalog number 6000.35. In keeping with its policy of continuous progress and product improvement, Raypak reserves the right to make changes without notice.

www.raypak.com

2151 Eastman Avenue

Oxnard, CA 93030 805-278-5300



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Languages : English (US/Canada) ▼

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#### 3/8" 170GPD DUAL CONTROL PUMP (GHS-45-8503)

Product #: GHS-45-8503

Mfg: STENNER PUMP COMPANY

Mfg #: 170DL5A3SMAA

Department: FEEDERS | CHLORINATORS | SANTIZERS

**Product Line: Chem Feeders, Commercial** 

UOM (Default): EA

Obsolete: This product is not obsolete.

Ship Weight (lbs): 11.45

Dimensions: 17.50x9.50x8.00

**UPC Code:** 

Additional Info

Terms | Privacy Statement | 2015 Copyright (c) 2015 POOLCORP - ••••

Size	34.7 Inch H x 9 Inch W
FinishColor	Gold
Includes	Drain Cover (Pebble Top), Baffle, Pressure Plug, Hydrostatic Plug, Hydrostatic Relief Valve Connection, Dual Suction Drain Sump, 10 Torx Screws
FlowRate	208 gpm
<b>BottomOutletPipeS</b>	Size 3 Inch or 2-1/2 Inch

Terms | Privacy Statement | 2015 Copyright (c) 2015 POOLCORP - ••••

То Тор



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#### 3HP 230V INTELLIFLO VSF VARIABLE SPEED & FLOW PUMP (PUR-10-1662)

Product #: PUR-10-1662

Mfg: PENTAIR WATER POOL & SPA, INC.

Mfg #: 011056

Department: PUMPS

Product Line: Pumps - Variable Speed

UOM (Default): EA

Obsolete: This product is not obsolete.

Ship Weight (lbs): 51.60

Dimensions: 28.00x16.00x13.00

UPC Code: 788379861506

Additional Info

Features

#### **Description**

Pentair, IntelliFlo(R), IntelliFlo(R) VSF; Variable Speed & Flow Pool & Spa Pump, Input: 208-230VAC, 50/60Hz, 3200 Watts Max., 1 Phase, Circuit Protection: Two-Pole 20 AMP device at the Electrical Panel,

Dimensions: 28.5"L x 12.5"W x 16.5"H

## AMMTEC CONSULTANTS, PLLC

#### CONSULTING ENGINEERING SERVICES

February 19, 2019

Job Number: AZ-2402.001

Imperial Pools and Design LLC 1870 W Prince Rd #56 Tucson, AZ 85705

Attention: Steve Rosales

**SUBJECT:** Pool Shell Construction within an Existing Pool Shell

Fountain Park

2121 North Evelyn Avenue

Tucson, Arizona

Dear Mr. Rosales:

This letter summarizes our discussions regarding pool construction at the subject site. We understand it is proposed to construct a new pool shell within the limits of an existing pool shell. The existing pool shell is exceeds 20 years of age and shows no significant evidence of distress. No demolition of the existing pool shell is anticipated.

The existing structure is considered to create minimal active pressure on the new structure. Therefore, it is AMMTEC's professional opinion that the AMMTEC Standard Gunite and Reinforcement Detail Plan can be used for construction of the new pool shell. For pool shell construction, Soil Surcharge Category A of the AMMTEC Standard Plan may be used, however, it is recommended that a cap or water proof sealant be placed at the seam between the new structure and the existing pool shell. It is the responsibility of the contractor to ensure and document that water is not allowed to penetrate between exiting and new structures. All plumbing and recirculation penetrations are also the responsibility of the contractor.

No further engineering is required as it relates to the pool shell construction within an existing pool shell. We trust this provides you with the necessary information at this time, if you have any questions regarding this letter, please contact us

Respectfully submitted,

AMMTE CO

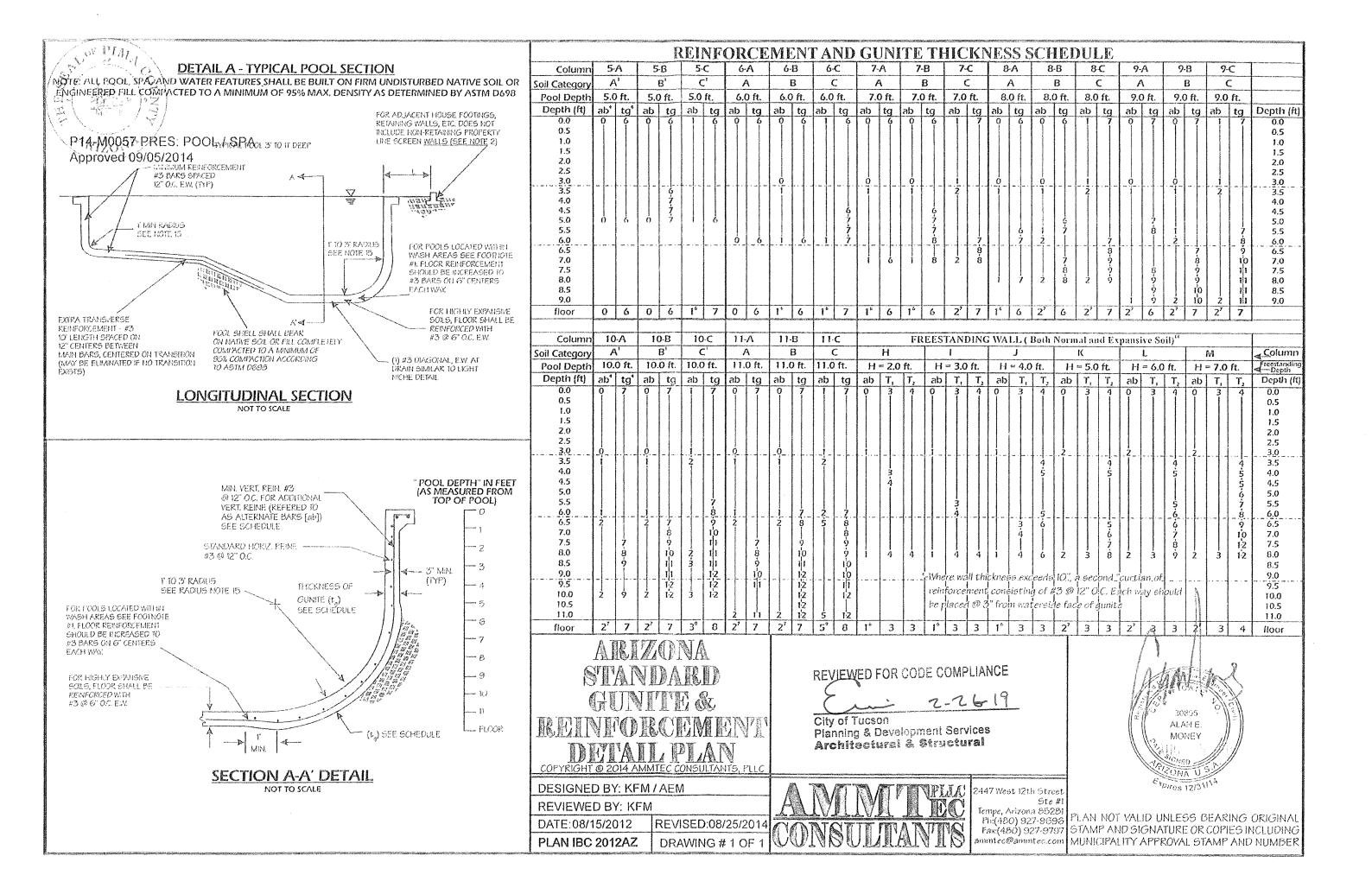
Alan E. Money P.E. Senior Engineer

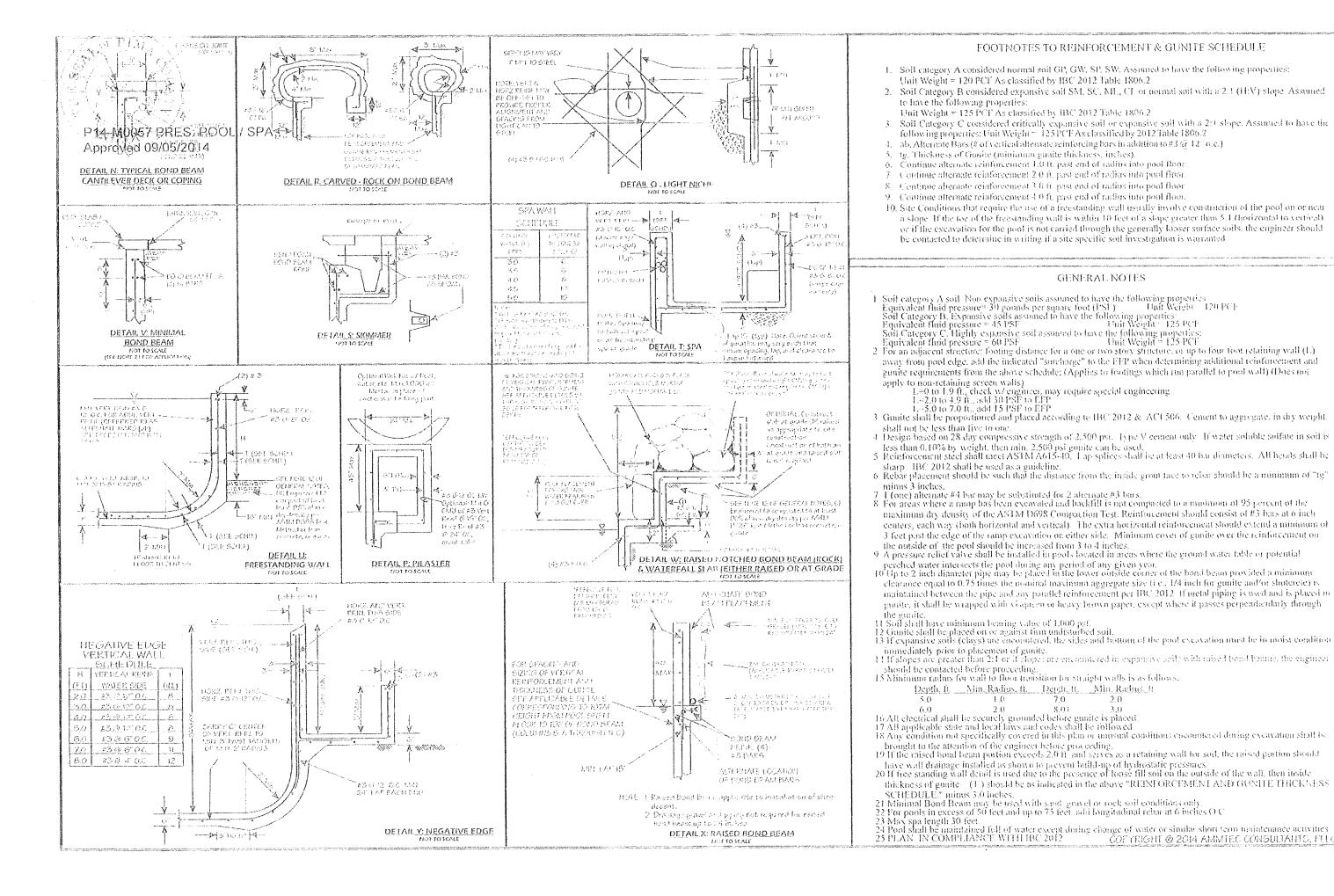
REVIEWED FOR CODE COMPLIANCE

City of Tucson

Planning & Development Services Architectural & Structural

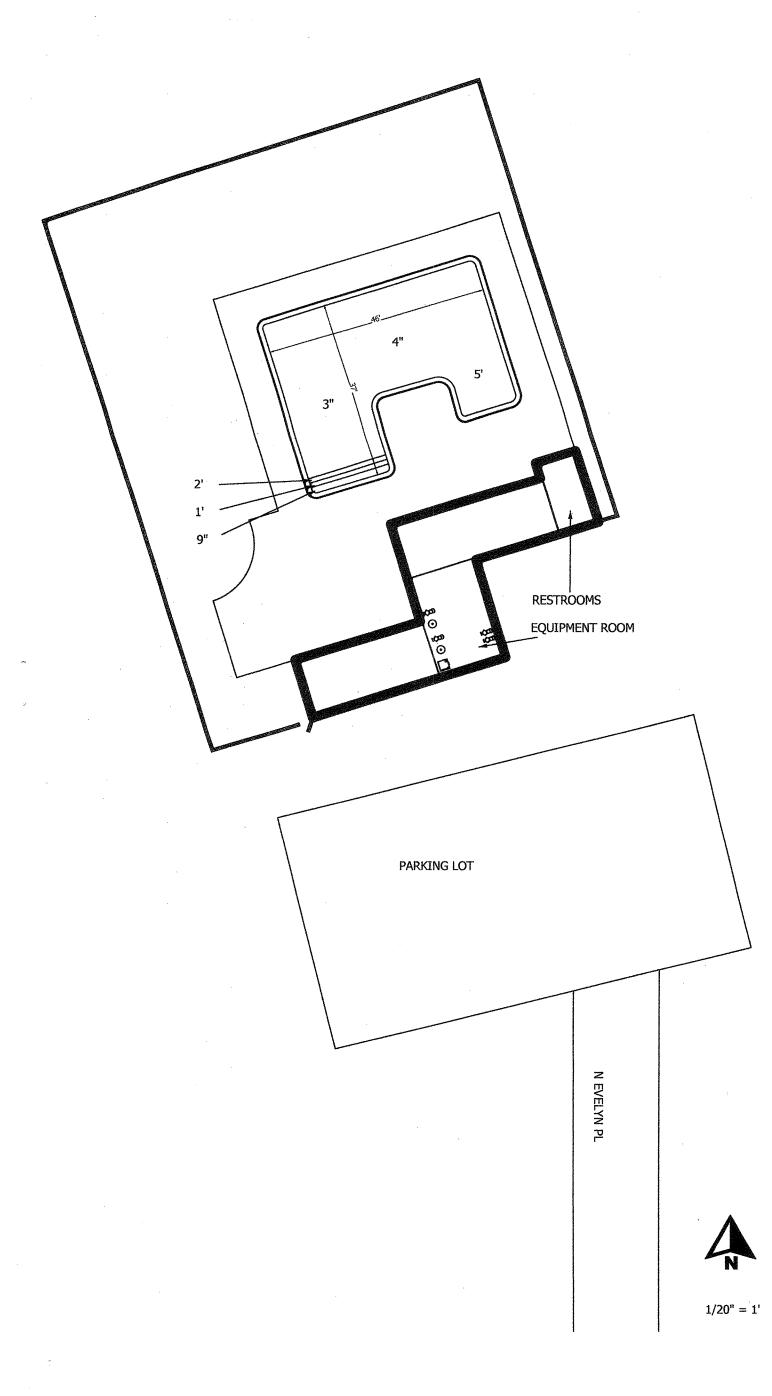






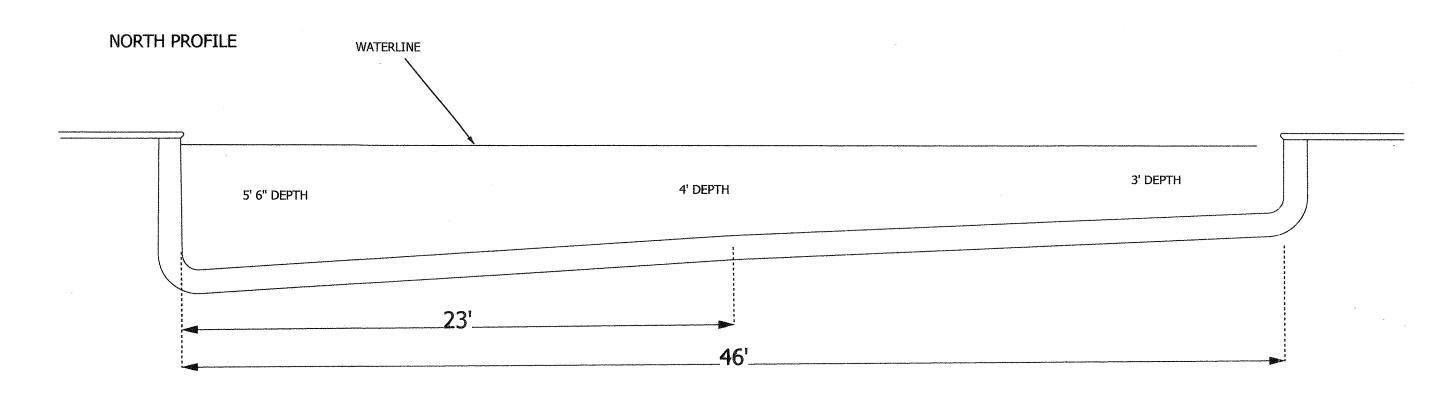
#### REVISIONS:

REV #	DATE	DESCRIPTION
1	2/11	BARRIER VERBIAGE UPDATED
2	2/25	THOROSEAL VERBIAGE ADDED
2	2/25	VERBIAGE RE: STEEL STRUCTURE UPDATED



#### WEST PROFILE

DECKING - CANTILEVER EDGE 3.5" WATERLINE ORIGINAL POOL STRUCTURE 1ST STEP 9" THOROSEAL WATERPROOFING TO BE APPLIED AT SEAM 2ND STEP 1' 7" BETWEEN NEW STRUCTURE AND EXISTING POOL SHELL 3RD STEP 2' 4" NEW 8" O.C. STEEL STRUCTURE TO BE DRILLED AND EPOXIED TO EXISTING STRUCTURE. 12" GUNITE STRUCTURE 1/4" = 1'



1/4" = 1'

NEW POOL STRUCTURE TO BE BUILT WITHIN EXISTING POOL STRUCTURE, NEW POOL STRUCTURE BONDING TO BE TIED INTO EXISTING POOL STRUCTURE

THOROSEAL CEMENT BASED COATING FOR WATERPROOFING CONCRETE AND MAONRY; TO BE APPLIED AT THE SEAM BETWEEN NEW STRUCTURE AND EXISTING POOL SHELL PER MANUFACTURER'S RECOMMENDATION (SEE THOROSEAL SPECS)

NEW 8" O.C. STEEL STRUCTURE TO BE DRILLED AND EPOXIED TO EXISTING STRUCTURE.

ALL PLUMBING/ELECTRICAL LINES EXISTING AND REROUTED TO NEW POOL STRUCTURE

EXISTING LINES TO CODE, EXISTING ELECTRICAL AND PLUMBING RUNS TO CODE

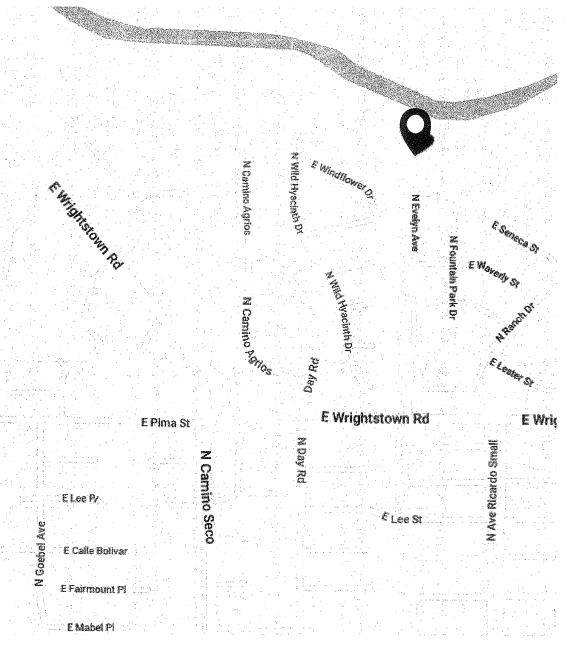
BARRIER FENCE TO BE ADDRESSED TO ENSURE CODE COMPLIANCE:

NEW SOUTH GATE LATCH TO BE INSTALLED 54" FROM GROUND, NEW FENCING TO BE INSTALLED TO ENSURE GAPS NO LESS THAN 4" UNDER FENCE AND BETWEEN VERTICAL SLATS, ALL APPLICABLE STATE & LOCAL CODES SHALL BE FOLLOWED.

REVIEWED FOR CODE COMPLIANCE

City of Tucson

Planning & Development Services
Architectural & Structural

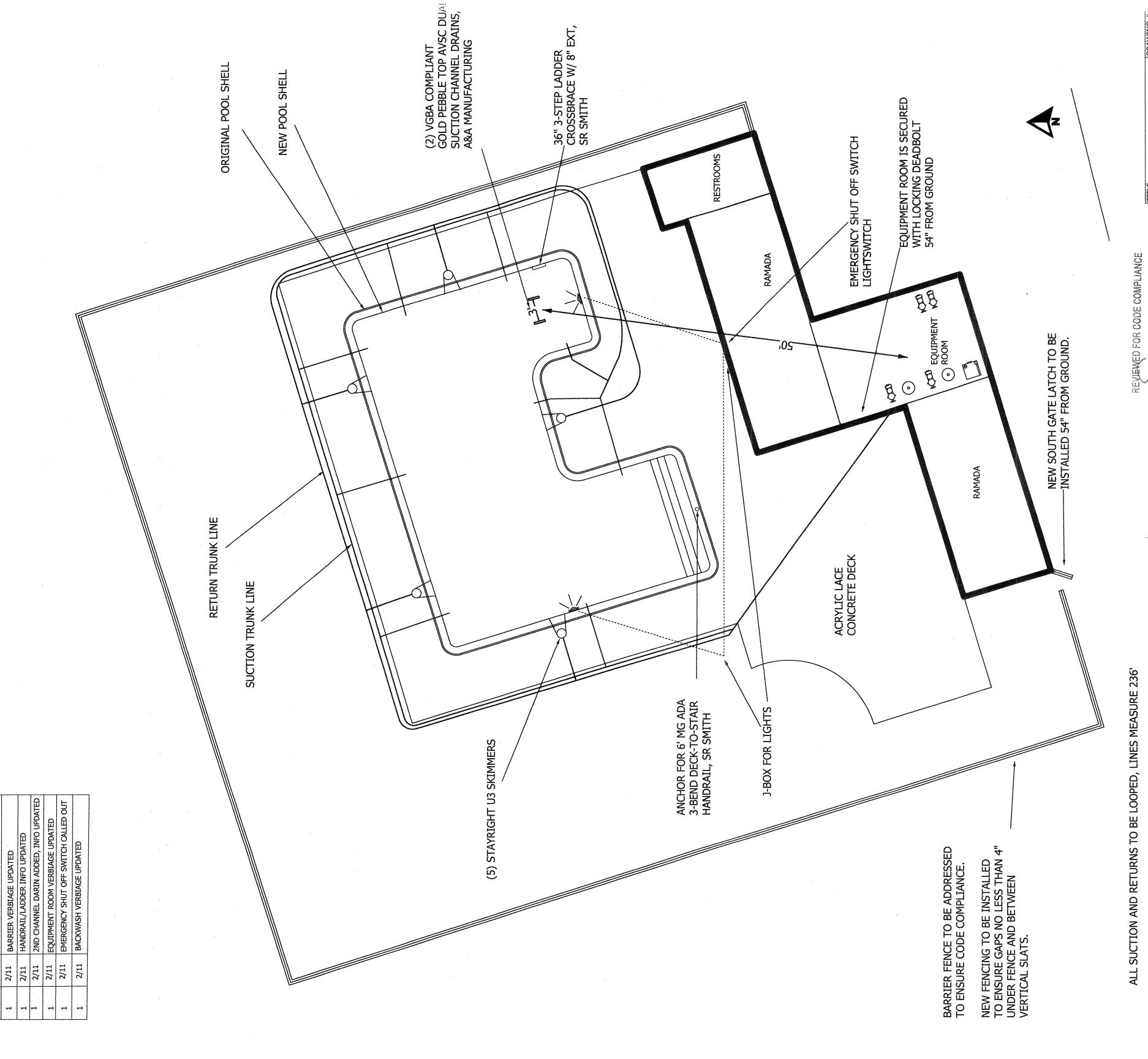


TITLE:	minery medifier of the enterprise construction and the enterprise construction and the enterprise construction	DRAWING #
LAYOUT PLAN REVISION 2		1 OF 3
KEVISION 2		SCALE:
DRAWN BY/DATE:	AK 2/25/19	VARIED
PROJECT NAME:	FOUNTAIN PARK RENO	NOTTAV
ADDRESS:	2121 N EVELYN PL TUCSON, AZ 85715	

POOL:		SPA:	
PERIMETER:	180'	PERIMETER:	N/A
AREA:	1365 FT <sup>2</sup>	AREA:	N/A
INT SURFACE	1974 F∏²	INT SURFACE	N/A
VOLUME:	36,000 GAL	VOLUME:	N/A



pools & design 3805 W RIVER RD. SUITE 105 TUCSON, AZ 85741 (520) 884-7665 KA6 DUAL ROC #316814



DATE

REV#

REVISIONS:

ALL SUCTION AND RETURNS TO BE LOOPED, LINES MEASURE 236'

1 1/2" SCHED 40 PIPING AT EQUIPMENT ROOM 2 1/2" SCHED 40 RETURN TRUNK LINE REDUCED TO 3" SCHED 40 PIPING TRUNK LINE FOR SUCTION

ALL EXISTING LINES REPLUMBED TO NEW POOL SHELL, EXISTING BACKFLOW LINES TO WASH CONNECTION SHALL BE THROUGH EXISTING AIR GAP

WATERLINE AND DECK DEPTH MARKERS TO BE PLACED AT 3', 4', AND 5' 6" DEPTHS AT MINIMUM OF EVERY 15' AROUND POOL INTL NO DIVING SIGN TO BE PLACED ON PREMISES

SR SMITH 3HR-6ADA-MG 3-BEND STAIR RAIL; 34 INCH TOP HEIGHT X 34 INCH BOTTOM HEIGHT X 6FT WIDTH, 0.065 INCH WALL THICKNESS, 316L MARINE GRADE STAINLESS STEAL

SR SMITH LFB-36S-3B 3-STEP 304 STAINLESS STEAL

LADDER WITH CROSSBRACE & 8" EXTENSION: 36 INCH WIDTH

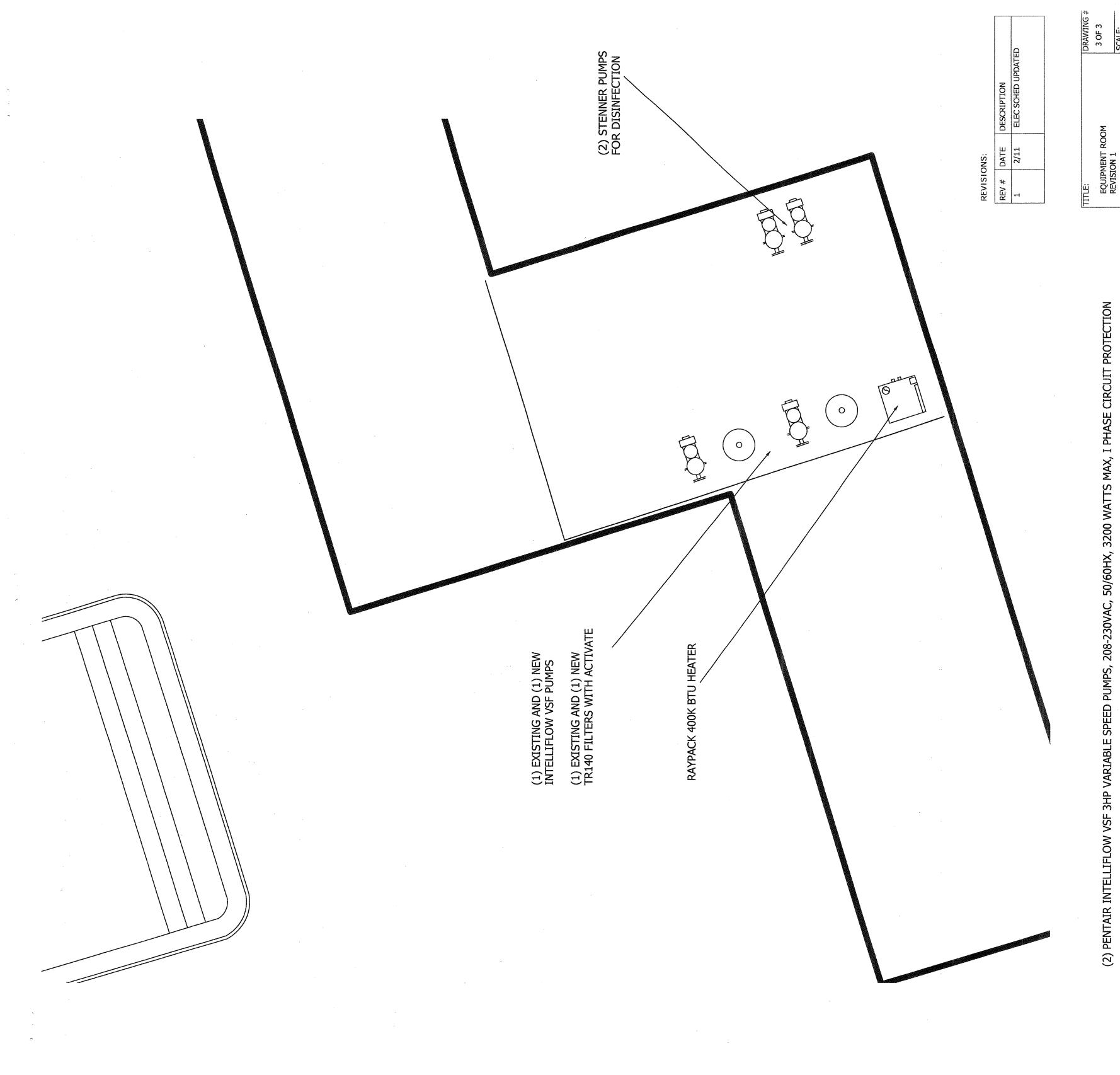
City of Tucson
Planning & Development Services
Architectural & Structural

DRAWING #

ADDRESS:	P00L:	PFRIMFTER.		AREA:
	בב: ממדי על מוכיכים	= m = m = m = m = m = m = m = m = m = m	3805 W RIVER RD, SUITE 105 TUCSON, AZ 85741	(520) 884-7665 KA6 DUAL ROC #316814

2 OF 3 SCALE:	1/8" = 1	ATION			N/A	N/A	N/A	
		FOUNTAIN PARK RENOVATION	2121 N EVELYN PL TUCSON, AZ 85715	SPA:	PERIMETER:	AREA;	INT SURFACE	
ND ION PLAN	_			180'	1365 FT <sup>2</sup>	1974 FT²		
PLUMBING AND CONSTRUCTION REVISION 1			POOL:	PERIMETER: 1	AREA: 1	INT SURFACE 1		
			·		<del></del>	<u> </u>		-

	N/A	N/A	N/A	N/A	
SPA:	PERIMETER:	AREA:	INT SURFACE	VOLUME:	
	180'	1365 FT <sup>2</sup>	1974 FT²	36,000 GAL	
POOL:	PERIMETER:	\REA:	NT SURFACE	VOLUME:	



(2) PENTAIR INTELLIFLOW VSF 3HP VARIABLE SPEED PUMPS, 208-230VAC, 50/60HX, 3200 WATTS MAX, I PHASE CIRCUIT PROTECTION

DRAWN BY/DATE: AK 2/11/19
PROJECT NAME: FOUNTAIN PARK RENOVATION

2121 N EVELYN PL TUCSON, AZ 85715

ADDRESS:

SCALE:

(2) PENTAIR 25" TR140 FILTERS, SLIDE VALVE WITH ACTIVATE GLASS FILTER MEDIA

(2) 3/8" 170GDP DUAL CONTROL PUMP, 1/30HP EX POOL SECONDARY SANITATION SYSTEM

FLOWVIS FLOW METER

ELECTRICAL SCHEDULE:

AMPS:	DESCRIPTION:	DESCRIPTION:	AMPS:
15	ТНЭГТ	 MAIN	20
20	INTELLIFLOW PUMP	 170GDP PUMP	20
20	170GDP PUMP		

City of Tucson
Planning & Development Services
Architectural & Structural

REVIEWED FOR CODE COMPLIANCE

A/N	N/A	N/A	
AREA:	INT SURFACE	VOLUME:	
1365 FT <sup>2</sup>	1974 FT <sup>2</sup>	36,000 GAL	
AREA:	INT SURFACE	VOLUME:	2

N/A

POOL:
PERIMETER: 180'

pools & design 3805 W RIVER RD. SUITE 105 TUCSON, AZ 8574 (520) 884-7665 KA6 DUAL ROC #316814



## PIMA COUNTY CONSUMER HEALTH AND FOOD SAFETY

**APPROVED** Health Plan Review 3950 S. Country Club Rd., Tucson, AZ 85714 520-724-7908

## THE PIMA COUNTY HEALTH DEPARTMENT MUST APPROVE ALL CHANGES FROM THE SUBMITTED PLANS BEFORE CONSTRUCTION OR EQUIPMENT INSTALLATION

PLAN REVIEW #: P19HD00031

**REMODEL** 

Name of Facility: Fountain Park Community Pool

Address: 2121 N Evelyn Pl.

City: Tucson

**Zip**: 85715

License Type or Descriptive Classification: 7000 S

## CERTIFICATE OF CONDITIONAL APPROVAL

TO CONSTRUCT OR REMODEL A PUBLIC OR SEMI PUBLIC POOL OR SPA

Plans Conditionally Approved by:

**Jack Kincaid R.S. Date: 02/14/2019** 

**⊗** Certificate of Approval Expires One Year from Date of Issue ⊗

• Approval is hereby granted to construct the above-described facilities, as represented in the approved plan documents, subject to the following stipulations, which are also noted on the approved plan and documents attached. Approval of plan documents does not grant approval of construction, equipment or operations that are in violation of the Pima County Code Chapter 8.32-Swimming Pools and Spas and Arizona Administrative Code Title 18: Environmental Quality; Article 2: Public And Semipublic Swimming Pools And Spas

# All approved plan documents must be kept on the job site at all times.

<u>Unless otherwise documented by the Health Department, the establishment must comply with the stipulations of this plan review to be issued an operating license.</u>

#### For guidelines on plan review consult these resources.

- Pima County Code Chapter 8.32- Swimming Pools and Spas
- Arizona Administrative Code Title 18: Environmental Quality; Article 2: Public And Semipublic Swimming Pools And Spas
- Submit plan review application for approval to construct or remodel Public or Semi Public pools

<u>Plan Review Comments:</u> (Responses provided by Anna kanto from Imperial pools and design)

#### (NOTE)

#### 8.04.060 - Certificate of approval to construct.

If plans and specifications submitted to the department comply with the requirements of this title, the health officer will issue a certificate of approval to construct. If construction is not completed within one year after the date of issue, the certificate of approval to construct is void, unless a written extension of time is granted by the health officer.

#### • 8.04.100 - Extension of certificate of approval to construct.

A regulated establishment may request a six-month extension of the certificate of approval to construct by submitting a written request to the department together with the appropriate fee. Additional six-month extensions may be requested in the same manner. The department may deny an extension if the plans no longer comply with the health code.

SPECIFICATION DATA:
TYPE OF POOL
Type of Pool: X Swimming Spa Wading Other
Intended Use Public X Semipublic Special Use
<u>DESIGN DATA</u>
Filtration Rate: X Pool (8 hour) Indoor Exercise (6 hour)
Spa (30 min.) Wading Pool (2 hours)
Surface Area: <u>1365</u> Sq. ft. Periphery: Ft.
Water volume: <u>36,000</u> Gal. Minimum Filtration Rate: <u>200</u> Gpm
Filter: X High Rate Sand (25gpm/ft.) Cartridge (.375 gpm/ft.)
Diatomaceous Earth Other
Scum Gutter: Yes X No Skimmers: 5 (quantity)
Returns: Wall 14 (quantity) Floor: 3 (quantity)
Equipment: Distance from Main Drain50Ft.
Pump Installed 1 Ft. X Above water level Below water level

#### **FILTER PLANT**

Mfg: <u>Pentair</u>	Model:TR 140
Filter Area (each): 7.56Sq. Ft.	Number of filters: 2 (1 Existing)
Total Filter Area: <u>14.12 Sq</u> . Ft	Maximum Filtration Rate: 38 Gpm
Pressure gauges:? (quantity)	Flow Meter (mfg.) <u>Flow Vis</u>
Backwash: ? To sewer	X Other (show details) <u>Existing</u>
CIRCULATION SYSTEM	
Mfg. Pentair	Model: <u>intelliflow VSF</u> Size: <u>3 HP</u>
Full rated: 3 Hp. Number _ provided	(2) 1 existing T.D.H. / (estimated) Not
Expected Flow Rate: <u>170</u> Gpm	Turnover Rate: 211 Minutes
DISINFECTION SYSTEM	
Disinfectant: X Chlorine Bro	omine X Other Ex Pool Oxygen
Type: X Erosion Liquid Hypo	o. Gas Other
Mfg. <u>Stenner Pump</u> Mod	del <u>170GPD</u> Number <u>170DL5A3Sm77</u>
Automatic Monitoring System	Chemical Feeder
	- U
POOL STRUCTURE:	
Type: X Gunite Pou	ured Concrete Other:
Trim and Finish: Pool Bottom and Walls	<u> </u>
Color: Classico Coping	
Tile: Cobalt Bluet textile concrete tile	
	Tan Min. Width 7'
Depth Markets (desk &Tile, every foot	to 5 ft.) placed at:
_3_Ft, _4_ft, _5.6_ft.,ftftft	·
MAKE UP WATER	
X Above deck Below Deck *	Auto Fill * Other*
* Requires Backflow/ Back Siphonage	
Mfg: <u>Existing</u> Model: <u>Existi</u>	<u>ng</u>
EQUIPMENT	
Diving board; (quantity)N/A	Height N/A (requires detail)
Ladders: (quantity)1 X	Tread Recessed Steps
<del></del>	

Handrails: (quantity)1
Test Kit: Mfg. <u>Existing</u> Model: <u>Existing</u>
Deck Area Lights: (quantity) <u>Existing</u> Watts (each) <u>Existing</u>
Underwater lights: (quantity) 2 Watts (each) 300
Automatic Cleaning System: Mfg Model
Raypack 400K BTU heater.
X   Ring Buoy   X   Shepherds Crook   X   First Aid Kit   X   Rules Posted   Lifeguards:   Yes   X   No   Public Pools:   Blankets   Backboard   Life Line   Lifeguard Chairs (quantity)   O   Rescue Tubes
POOL AREA
Enclosure: Material: <u>Block, &amp; Metal fence</u> Height <u>5'</u> Ft.
Restrooms/Shower:
Provided at Pools Area X Yes
<ul> <li>Scope of work:</li> <li>New pool structure to be built within the existing pool structure. New pool structure bonding</li> </ul>
Barrier:
❖ Plan notes the pool barrier is 5ft, and a combination of wrought iron & masonry, and meets code.
A routine inspection conducted 08/24/2018 by our department, noted several barrier violations.  1) South gate latch locking mechanism was less than the required 54" in height requirements.  2) Gaps were observed under the fence greater than 4"  3) Spaces between the vertical members of the fence were also greater than 4"

#### R18-5-240. Barriers

**A.** A public swimming pool or spa and deck shall be entirely enclosed by a fence, wall, or barrier that is at least 6 feet high. A semipublic swimming pool or spa and deck shall be entirely enclosed by a fence, wall, or barrier that is at least 5 feet high.

The height of the fence, wall, or barrier shall be measured on the side of the barrier which faces away from the swimming pool or spa.

- B. Fences or walls shall:
- 1. Be constructed to afford no external handholds or footholds;
- 2. Be of materials that are impenetrable to small children;
- 3. Have no openings or spacings of a size that a spherical object 4 inches in diameter can pass through; and
- 4. Be equipped with a gate that opens outward from the swimming pool or spa. The gate shall be equipped with a self-closing and self-latching closure mechanism or a locking closure located at or near the top of the gate, on

the pool side of the gate, and at least 54 inches above the floor.

- C. The distance between the horizontal components of a fence shall not be less than 45 inches apart. The horizontal members shall be located on the interior side of the fence. Spacing or openings between vertical members shall be of a size that a spherical object 4 inches in diameter cannot pass through.
- **D.** The maximum mesh size for a wire mesh or chain link fence shall be a 1 3/4 inches square.
- **E.** Masonry or stone walls shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
- **F.** If a wall of a building serves as part of the barrier around a public or semipublic swimming pool or spa, there shall be no direct access to the swimming pool or spa through the wall except as follows:
- 1. Windows leading to the swimming pool or spa area shall be equipped with a screwed-in place wire mesh screen or a keyed lock that prevents opening the window more than 4 inches.
- 2. A hinged door leading to the swimming pool or spa area shall be self-closing and shall have a self-latching device. The release mechanism of the self-latching device shall be located at least 54 inches above the floor.
- 3. If an additional set of doors is required by the fire code allowing access to the swimming pool or spa, they shall be self-closing and self-latching, equipped with panic bars no less than 54 inches from the floor to the bottom of the bar and designated "For Emergency Use Only."
- 4. Sliding doors leading to the swimming pool or spa area are prohibited except for sliding doors that are self-closing and self-latching.
- **G.** If a barrier is composed of a combination concrete masonry unit and wrought-iron, the wrought iron portion shall be installed flush with the outside vertical surface of the concrete masonry unit. The space between the wrought iron and the concrete masonry unit shall be 1/2 inch or less. The vertical members of the wrought iron shall be spaced 4 inches on center.
- **H.** Filtration, disinfection, and water circulation equipment shall be enclosed by a wall or fence.
  - → Show the complete barrier on the plan. All entry points shall be shown, the type of locking mechanism, and its height AFF, the barrier design shall confirm there are no spacing's under the fence, or between the vertical members greater than 4". All barrier requirements applicable to your facility must be in compliance.

✓ (Operator Response) "Barrier fence to be addressed to ensure code compliance: New south gate latch to be installed 54" from the ground, new fencing to be installed to ensure gaps no less than 4" under, and between vertical slats. All applicable state & local codes shall be followed"

#### 1. Equipment Layout/schedule Comments:

- a) Ladder, and handrail noted as ADA approved, but no equipment specs provided.
- → Provide make and model numbers for both the handrail, and the ladder.

#### R18-5-215. Ladders

- A. At least one ladder shall be provided in the deep area of a public or semipublic swimming pool. If the width of the deep area of a swimming pool is greater than 20 feet, then one ladders shall be located on opposite sides of the deep area.
- B. A swimming pool or spa ladder shall be equipped with two handrails.
- C. All treads on ladders shall have slip-resistant surfaces.
- D. Ladder treads shall have a minimum horizontal depth of 1 ½ inches. The distance between ladder treads shall range from a minimum of 7 inches to a maximum of 12 inches.
- E. Below the waterline, there shall be a clearance of not more than 6 inches and not less than 3 inches between any ladder tread edge and the wall as measured from the side of the tread closest to the wall.
- ✓ (Operator Response) Handrail: Anchor for 6' MG ADA 3-bend deck-to-to stair handrail, SR Smith. Ladder: 36" 3 step ladder cross brace with 8" Ext, SR Smith.

#### There are no accent tiles called on the steps.

→ Provide the material, and color of the required accent tiles on the steps.

#### R18-5-214. Steps

- **A.** Each set of steps shall be provided with at least one handrail to serve all treads and risers. Handrails shall be provided at one side or in the center of all steps. Handrails shall be installed in such a way that they can be removed only with tools.
- **B.** Steps shall be permanently marked to be clearly visible from above and below the water level in a swimming pool or spa. The edges of steps shall be outlined with a sharply contrasting colored tile or other material that is clearly visible from the deck adjacent to the steps.
- ✓ (Operator Response) Accent Tiles will be Cobalt blue textile concrete tile, specification form updated.
  - b) Equipment room noted on plan, but no details provided regarding the enclosure.

R18-5-240. Barriers: Filtration, disinfection, and water circulation equipment shall be enclosed by a wall or fence.

- → Provide details confirming the equipment room is a secured enclosure.
- ✓ (Operator Response) Verbiage updated on plans re: security of equipment room; room is locked with deadbolt 54" from ground.

#### 2. Plumbing Comments:

a) The main drain is noted only as a VGBA compliant channel drain.

#### R18-5-226. Drains and Suction Outlets

- A. A public and semipublic swimming pool shall be equipped with at least two main drains located in the deepest part of the swimming pool or a single gravity drain that discharges to a surge tank.
- B. Each main drain shall be covered by a grate that is not be readily removable by users. The openings in the grate shall have a total area that is at least four times the area of the drain pipe.
- C. The spacing of the main drains shall not be greater than 20 feet on centers and not more than 15 feet from each side wall.
- D. A minimum of two suction outlets shall be provided for each pump in a suction outlet system for a public or semipublic spa. The suction outlets shall be separated by a minimum of 3 feet or located on two different planes [that is, one suction outlet on the bottom and one on a vertical wall or one suction outlet each on two separate vertical walls]. The suction outlets shall be plumbed to draw water through them simultaneously through a common line to the pump. Suction outlets shall be plumbed to eliminate the possibility of entrapping suction.
- E. If the suction outlet system for a public or semipublic swimming pool or spa has multiple suction outlets that can be isolated by valves, then each suction outlet shall protect against user entrapment by either an antivortex cover, a grate, or other means approved by the Department.
- → Provide the make and model of the channel drain, and a plumbing page confirming the required dual drains are provided.
- ✓ (**Operator Response**) (2) VGBA compliant gold pebble top AVSC dual suction channel drains. A&A manufacturing
- → Where is the filter back wash disposed of? There is no reference to the backwashing method. Show the required air gap, and the piping system that will be draining the backwash of the filtration system. System.

#### R18-5-236. Disposal of Filter Backwash, Wasted Swimming Pool or Spa Water, and Wastewater

All sewage from plumbing fixtures, including urinals, toilets, lavatories, showers, drinking fountains, and floor drains, and other sanitary facilities shall be disposed of in a sanitary manner. Filter backwash and wasted swimming pool or spa water shall be discharged into a sanitary sewer through an approved air gap, an approved subsurface disposal system, or by other means that are approved by the Department. The method of disposal shall comply with applicable disposal requirements established by a county,

municipal, or other local authority. There shall be no direct physical connection between the sewer system and the water circulation system of a public or semipublic swimming pool or spa.

✓ (Operator Response) "Backwash, will be using existing backwash drainage system to wash with airgap"

#### 3. Electrical Comments:

- a) New pool structure bonding to be tied into the new pool structure.
- b) There is no emergency shut off switch called out on the plan.

<u>R18-5-225. Pumps and Motors (D)</u> The pump shall be equipped with an emergency shut-off switch that is located within the swimming pool or spa enclosure to cut off power to the water circulation system if someone is entrapped on a main drain or suction outlet.

- → Show the required emergency shut off switch, within the pool enclosure.
- ✓ (Operator Response) Plans updated to show emergency shut off switch at light switch on Ramada.
- 4. Finish Schedule Comments:
  - a) The color of the pool interior has not been provided.

#### R18-5-207. Construction Materials

The color, pattern, or finish of the interior of a public or semipublic swimming pool or spa shall not obscure objects, surfaces within the swimming pool or spa, debris, sediment, or algae. Surface finishes shall be **white**, **pastel**, **or other light color**. The interior finish shall completely line the swimming pool or spa to the coping, tile, or gutter system.

- → Provide the interior color of the pool.
- ✓ (Operator Response) Interior of pool will be Pebble Fina Classico, specification form updated.
- 5. General Comments:

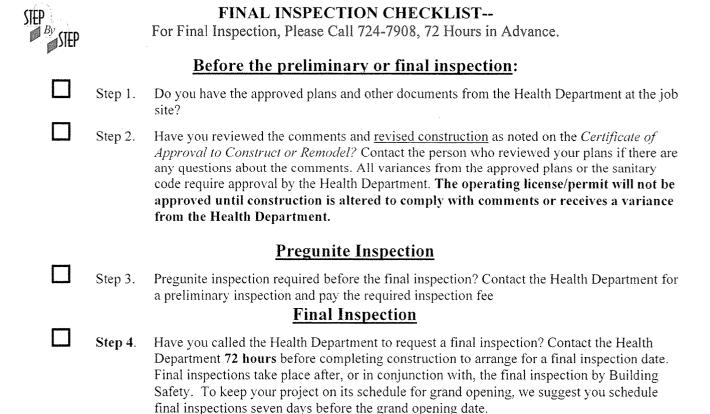
#### Pre Gunite inspection required

The entire recirculation system must remain exposed until a complete inspection is made and approval given by a representative of the local county health department.

#### STANDARD REQUIREMENTS

payment arrangements.

- 1. Establishment must comply with any SMOKING ORDINANCE governing its jurisdiction.
- 2. SINKS
  - a. Hot and cold water provided to all sinks.
  - b. Water to the hand sinks, if tempered, must be at least 100°F.
  - c. No combination hand/mop sinks allowed.
  - d. All hand sinks or lavatories must be installed separately from mop (service) sinks.
- 3. CEILING and WALLS shall be washable, smooth, non-porous, durable and light-colored in all areas of food preparation and ware washing.
- 4. The MECHANICAL VENTILATION must be of sufficient capacity to keep rooms free of excessive heat, steam, condensation, vapors, obnoxious odors, smoke, and fumes. RESTROOMS require forced-air, mechanical ventilation. Exhaust fan shall be vented through the roof and activated by switch or run continuously during all hours that the building is occupied.
- 5. If the POWER WASH METHOD is used for cleaning floors, then cove base shall be installed to join floors with walls in affected areas.
- 6. SELF-CLOSING DOORS are required on all restrooms and entrances or exits to facility, except those exits that are designated emergency exits.



→ Have you paid for the operating license(s) and inspection fees? Inspection fees and operating licenses must be paid before the final inspection can be done. Contact Consumer Health & Food Safety to make

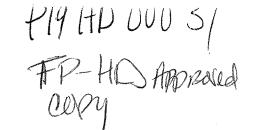
→ Final inspections require utilities to be connected and operating and key equipment, like refrigeration, mechanical hoods and water heaters to be functioning.
 □ Step 5. Have you:
 → Installed all equipment?
 → Removed all construction materials and debris?
 → Connected all utilities?
 → Turned on all equipment and the water heater?
 → Tested all reduced pressure backflow preventers (RPs) installed File

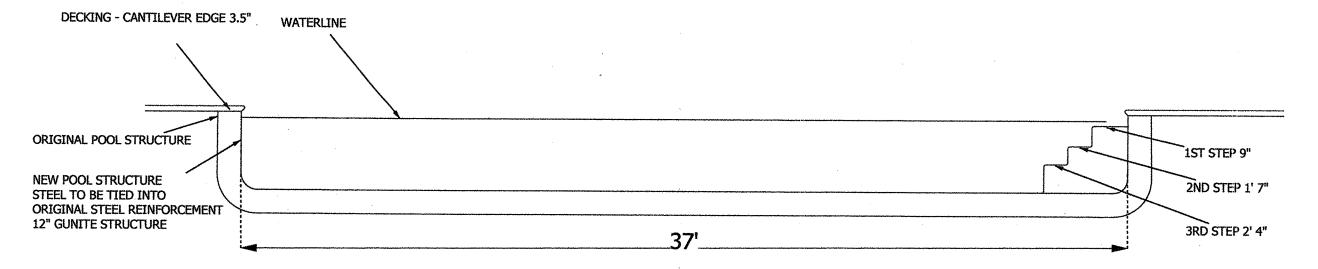
cc:

#### **REVISIONS:**

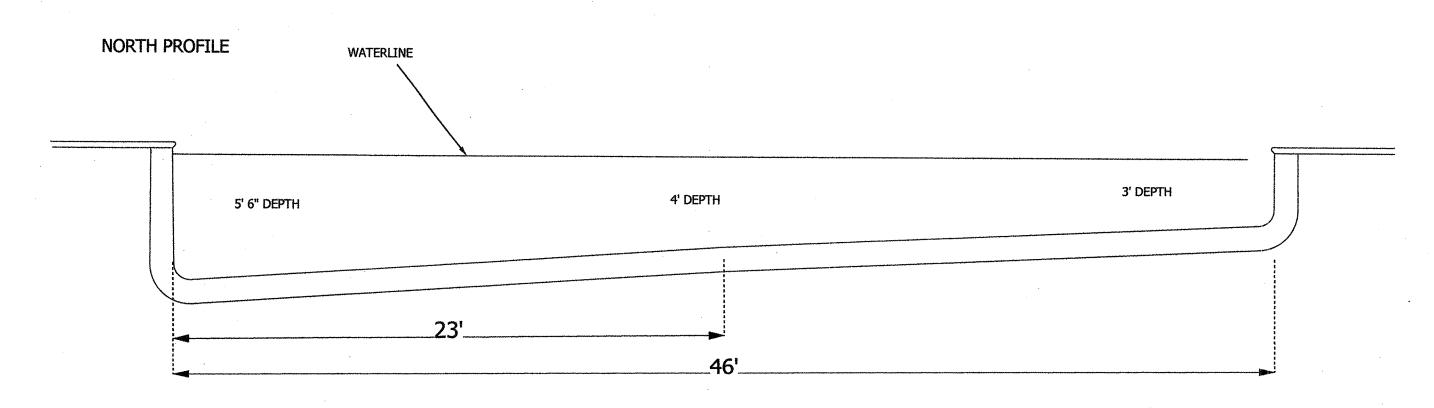
REV #	DATE	DESCRIPTION
1	2/11	BARRIER VERBIAGE UPDATED

WEST PROFILE





1/4" = 1'



1/4" = 1'

DRAWING #

1 OF 3

SCALE:

VARIED

NEW POOL STRUCTURE TO BE BUILT WITHIN EXISTING POOL STRUCTURE, NEW POOL STRUCTURE BONDING TO BE TIED INTO EXISTING POOL STRUCTURE

EXISTING LINES TO CODE, EXISTING ELECTRICAL AND PLUMBING RUNS TO CODE

ALL PLUMBING/ELECTRICAL LINES EXISTING AND REPOUTED TO NEW POOL STRUCTURE

BARRIER FENCE TO BE ADDRESSED TO ENSURE CODE COMPLIANCE:

INSTALLED TO ENSURE GAPS NO LESS THAN 4" UNDER FENCE AND BETWEEN VERTICAL SLATS, ALL APPLICABLE STATE & LOCAL CODES SHALL BE FOLLOWED.

THIS APPROVED CONSTRUCTION PLAN
MUST BE KEPT ON THE JOB SITE
AT ALL TIMES

PIMA COUNTY HEALTH DEPARTMENT

E Pima St

E Mabel PI

E Wrightstown Rd

E Lee Py £ Lee St E Calle Bolivar E Fairmount F1

PERIMETER: 180' N/A PERIMETER: 1365 FT<sup>2</sup> N/A AREA: AREA: INT SURFACE 1974 FT2 INT SURFACE N/A VOLUME: 36,000 GAL VOLUME:

2121 N EVELYN PL TUCSON, AZ 85715

FOUNTAIN PARK RENOVATION

SPA:

pools & design

TITLE:

LAYOUT PLAN **REVISION 1** 

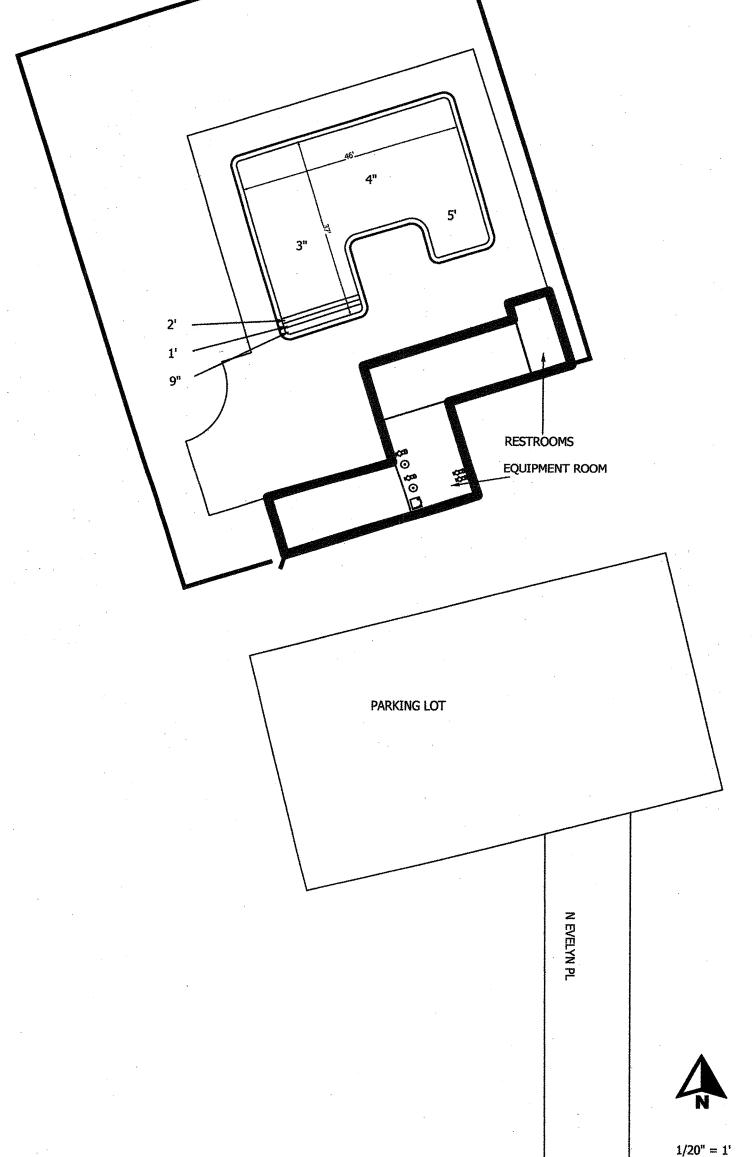
PROJECT NAME:

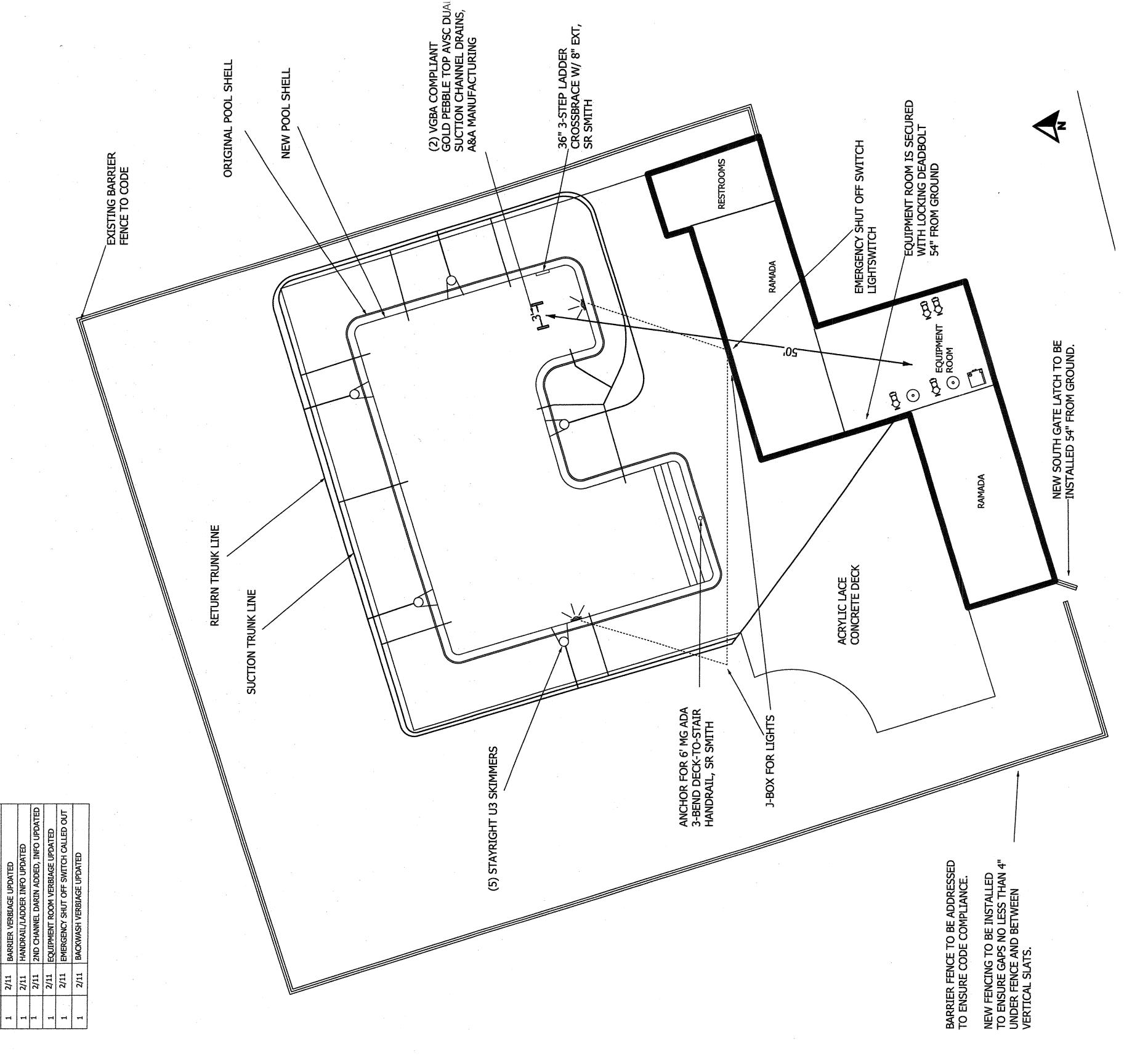
ADDRESS:

POOL:

DRAWN BY/DATE: AK 2/11/19

3805 W RIVER RD. SUITE 105 TUCSON, AZ 85741 (520) 884-7665 KA6 DUAL ROC #316814





DESCRIPTION

REV # DATE

W. C.

REVISIONS:

ALL SUCTION AND RETURNS TO BE LOOPED, LINES MEASURE 236'

1/2" SCHED 40 PIPING AT EQUIPMENT ROOM 2 1/2" SCHED 40 RETURN TRUNK LINE REDUCED TO 1 3" SCHED 40 PIPING TRUNK LINE FOR SUCTION

ALL EXISTING LINES REPLUMBED TO NEW POOL SHELL, EXISTING BACKFLOW LINES TO WASH CONNECTION SHALL BE THROUGH EXISTING AIR GAP

WATERLINE AND DECK DEPTH MARKERS TO BE PLACED AT 3', 4', AND 5' 6" DEPTHS AT MINIMUM OF EVERY 15' AROUND POOL INTL NO DIVING SIGN TO BE PLACED ON PREMISES

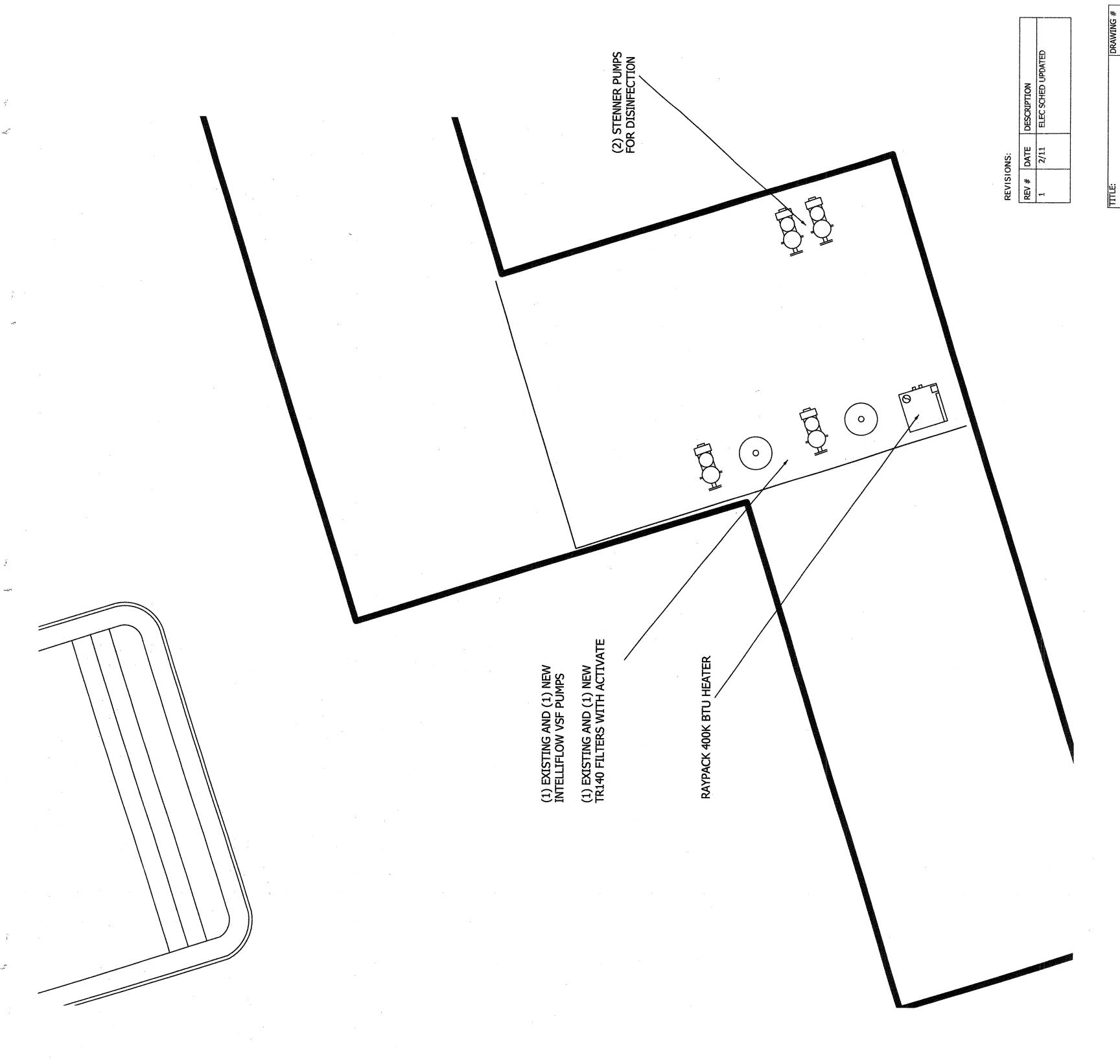
SR SMITH 3HR-6ADA-MG 3-BEND STAIR RAIL; 34 INCH TOP HEIGHT X 34 INCH BOTTOM HEIGHT X 6FT WIDTH, 0.065 INCH WALL THICKNESS, 316L MARINE GRADE STAINLESS STEAL

SR SMITH LFB-36S-3B 3-STEP 304 STAINLESS STEAL LADDER WITH CROSSBRACE & 8" EXTENSION: 36 INCH WIDTH

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1	ත න්
2	pools
	····

3805 W RIVER RD. SUITE 105 TUCSON, AZ 857 (520) 884-7665 KA6 DUAL ROC #316814 FOUNTAIN PARK RENOVATION PROJECT:

	CONSTRUCT REVISION 1	CONSTRUCTION PLAN REVISION 1		SCALE:
	DRAWN BY/DATE:	VTE: AK 2/11/19	19	1/8" = 1
	PROJECT NAME:		FOUNTAIN PARK RENOVATION	ATION
	ADDRESS:	2121 N E TUCSON,	2121 N EVELYN PL TUCSON, AZ 85715	
	POOL:	,	SPA:	
741	PERIMETER:	180'	PERIMETER:	N/A
	AREA:	1365 FT <sup>2</sup>	AREA:	N/A
	INT SURFACE	1974 FT <sup>2</sup>	INT SURFACE	N/A
	VOLUME:	36,000 GAL	VOLUME:	N/A



(2) PENTAIR INTELLIFLOW VSF 3HP VARIABLE SPEED PUMPS, 208-230VAC, 50/60HX, 3200 WATTS MAX, I PHASE CIRCUIT

(2) PENTAIR 25" TR140 FILTERS, SLIDE VALVE WITH ACTIVATE GLASS FILTER MEDIA

(2) 3/8" 170GDP DUAL CONTROL PUMP, 1/30HP EX POOL SECONDARY SANITATION SYSTEM

FLOWVIS FLOW METER

DESCRIPTION: DESCRIPTION: AMPS:	LIGHT MAIN 20	INTELLIFLOW PUMP 170GDP PUMP 20	170GDP PUMP	
DESCR	ПСНТ	INTELLIFL	170GDP	
AMPS;	15	20	20	

ELECTRICAL SCHEDULE:

PROTECTION	EQUIPMENT ROOM	WO	3 OF 3	
	REVISION 1		SCALE:	
	DRAWN BY/DATE: AK 2/11/19	AK 2/11/19	NTS	~~~~~~
	PROJECT NAME:	FOUNTAIN PARK RENOVATION	VATION	
	ADDRESS:	2121 N EVELYN PL TIICSON A7 85715		<b></b>

	N/A	N/A	N/A	N/A
SPA:	PERIMETER:	AREA:	INT SURFACE	VOLUME:
	180'	1365 FT <sup>2</sup>	1974 FT <sup>2</sup>	36,000 GAL
P00L:	PERIMETER:	AREA:	INT SURFACE	VOLUME:
•				

N/A	N/A	N/A	N/A	AZ 85741
PERIMETER:	AREA:	INT SURFACE	VOLUME:	
180'	1365 FT <sup>2</sup>	1974 FT <sup>2</sup>	36,000 GAL	S design ER RD. SUITE 10 1-7665 KA6 DU
PERIMETER:	AREA:	INT SURFACE	VOLUME:	pools 3805 w RIVE (520) 884