MINUTES PARK BOARD REGULAR MEETING MONDAY, APRIL 26TH, 2021 5:30 P.M.

THE PARK BOARD MET IN REGULAR SESSION IN THE COUNCIL CHAMBER, 12 NORTH ROWE STREET, PRYOR, OKLAHOMA AT THE ABOVE-MENTIONED DATE AND TIME.

BOARD MEMBERS: ** BILL KANNEGIESSER, MELINDA MARKS, PAT RICHARD, CASEY KING, LORI SIEVER, CHRIS GRAVES, KEITH SHELBY.

1. CALL MEETING TO ORDER.

Chris Graves called the Park Board meeting to order at 5:30 p.m. Members present: Melinda Marks, Casey King, Lori Siever, Chris Graves and Keith Shelby. Members absent: Bill Kannegiesser and Pat Richard.

Others present: Mayor Larry Lees, Park Superintendent Frank Powell, Life Fellowship Church representative Taylor Rhoads and Terry Aylward.

2. PETITIONS FROM THE AUDIENCE.

There were no petitions.

3. DISCUSS, POSSIBLY APPROVE THE MINUTES OF THE MARCH 22ND, 2021 REGULAR MEETING.

Motion was made by Siever, second by King to approve the minutes of the March 22^{nd} , 2021 regular meeting. All voted ves.

4. DISCUSSION AND POSSIBLE ACTION REGARDING LIFE FELLOWSHIP CHURCH USING WHITAKER PARK FOR AN EVENT ON JUNE 13TH, 2021.

Motion was made by Shelby, second by Marks to approve Life Fellowship Church using Whitaker Park for an event on June 13^{th} , 2021. Taylor Rhoads explained that the event will be called the Summer Shindig and will be held from 5:00-7:00 p.m. that evening. All voted yes.

5. PARK REPORT - SUPERINTENDENT FRANK POWELL:

a. Parks

Powell reported that areas of the concrete at the bottom of the public pool are beginning to break. He suspects the hard freeze this winter caused this issue and there may be even more damage than we know. There is a company coming on Friday to do a sonogram to check the entire pool. This test will tell them whether the pool is safe to repair and open this season. Powell stated, however, that even if they find it safe to open, they will not have it ready by June 1st. In addition, there have been no applicants for the manager position, and we have very few lifeguards.

Powell stated that once the testing has been done on the pool, he may call a special Park Board meeting to discuss their findings. He suspects that the

pool pumps will be bad by now, as well, since the pool did not open last year. Siever asked Mayor when the next opportunity would be for a bond issue to fund a new pool, and he stated that has not been discussed, but the pool was listed on the non-exclusive list for the current bond so there may be funds left near the end that can be used for it. That will be a few years away. Graves recommended that the pool subcommittee meet to discuss the options before the next board meeting. Mayor also stated that we will do all we can to open the pool this year.

Powell then reported on items he plans to purchase in the 2021-2022 fiscal year:

- Security cameras at the park by the new restrooms. He stated that he is already looking into this and a company is working on installing some demonstrator cameras. The new cameras will be linked to the police department and he should have access to the feed, as well.
- More parking at the tennis courts. He stated that there are two small parking lots there now separated by a grassy area. He plans to join the two lots and eliminate the grassy area to make more parking space.

Powell reported that the bench honoring Leo Perry will go in a treed area near the new restrooms, so he plans to wait to install it until the restrooms are complete.

Powell updated the board on Bobby Buck Park. He stated that they have all the new play equipment ready to install, but with the weather issues they have had to deal with and then time to open up other areas, they have not had the opportunity. His plan is to get this project done the week after Memorial Day when the flowers are still on the graves and the Cemetery crew cannot do anything out there. He also reported that the Street Department is working on a new parking lot at Bobby Buck.

Powell stated that he is concerned about opening the Splash Pad while there is big equipment going through the area to work on the restrooms. Graves stated that we need to set a date and stick to it. Powell stated that May $14^{\rm th}$ would be the normal date they would open, so he will plan toward that.

Powell reported another item regarding the tennis courts. The practice wall is in terrible shape and needs to be rebuilt. He estimated the cost to be \$700.00. Originally, he planned to budget for this in the new fiscal year; however, since the restrooms are being funded by the bond there should be money left in his budget to do this in June.

Powell also stated that Pat Richard talked with him about putting in a pickle ball court. He is not sure where it could be placed. Siever suggested use of the old volleyball courts. Terry Aylward informed them that the Recreation Center is putting one in and that might be a good test of how popular pickle ball will be. Marks suggested Bobby Buck Park as another option for the pickle ball court.

b. Cemetery

Powell reported that the cemetery crew is preparing for Memorial Day. Overlay of the Fairview Cemetery roads and a small section of Graham has been approved and the bid packets have been sent out. This project should be completed by Memorial Day.

King asked to move to Item 7.

7. DISCUSSION AND POSSIBLE ACTION AUTHORIZING FRANK POWELL TO SEEK BIDS FOR NEW SIGN AT CENTENNIAL PARK.

Motion was made by Shelby, second by King to authorize Frank Powell to seek bids for new sign at Centennial Park. Powell stated that Mr. Gustafson and Mr. Larremore recently planted a tree in Centennial Park in memory of someone, and Frank thought it would be nice to have a new sign like the one at Whitaker Park near it. He also stated that someone has approached him regarding funding it. All voted yes.

Graves moved back to Item 6.

6. GOLF COURSE REPORT - DIRECTOR DENNIS BOWMAN

Bowman sent a written report in his absence, included in the minutes.

8. UNFORESEEABLE BUSINESS.

There was no unforeseeable business.

10. ADJOURN.

Motion was made by Shelby, second by King to adjourn at 6:26 p.m. All voted yes.

Report to Park Board 4/26/2021

I am unable to attend the meeting this evening. The following is my report:

- 1. Things are going very well at the golf course, we are very busy, with maintenance, customers and High School Tournaments.
- 2. As of today we have received all of our new equipment, but are waiting on a qualified installer to put up the equipment lift. I am meeting with Williams Construction in the morning to see if they can help.
- 3. Upcoming events: Girls Regionals 4-27-2021, Boys High School Tournament 4-29-2021 and Boys Regional Tournament 5-3-2021.
- 4. Attached is Membership information for March.
- 5. Please text, call or email if you have any questions. Thanks

Name	Converted	Amount						
Charles Raymer	New	\$1,046.96	Yearly Renewals:					
David Jordan	New	\$547.32	Buddy Holman	Renewal	547.32			
Corky Jones	New	\$547.32	Tommy Parker	Renewal	836.36			
Jerry&Jodi Jones	New	\$863.36	Scott Koland	Renewal	1307.32			
Ray Teigen	New	\$190.52	Steve Grosse	Renewal	1136.95			
Edward McLain	New	\$190.52						
Jesse Williams	New	\$55.80						
Preston Cooper	New	\$61.35						
Dan Kelley	Silver	\$1,307.32	Total	December	January	Febuary	March	Total
Fred Sprang	Silver	\$547.32				,		
Hunter Holliday	Silver	\$145.00	Renuwal Monthly	13	13	13	13	
Ethan Joice	Silver	\$145.00	Renewal Yearly	0	0	1	4	5
Rick Mcnair	Silver	\$666.96	New	2	1	2	8	13
Brett Drumm	Silver	\$666.96	Silver Conversions	8	0	0	19	27
Greg Rosamond	Silver	\$666.96						
Alicia Osborne	Silver	\$547.32	Total	23	1	3	44	
Bill White	Silver	\$547.32						
Charlie Williams	Silver	\$547.32						
Dirk Cooksey	Silver	\$547.32						
Jack Freund	Silver	\$547.32						
Jody Webb	Silver	\$547.32						
Mark Murray	Silver	\$547.32						
Nick Vandertvoort	Silver	\$547.32						
Tandy Cooper	Silver	\$547.32						
Terry Long	Silver	\$547.32						
Wes Kelley	Silver	\$547.32						
Danny Mallow	Silver	\$52.93						
Monthly Renewals:								
Brent Bridges	Renewal	\$48.28						
Treston Been	Renewal	\$61.35						
Bowe Brewington	Renewal	\$55.80						
Brain Parker	Renewal	\$55.80						

David Cable	Renewal	\$55.80				
Donovan Aylward	Renewal	\$55.80				
Gary Rodgers	Renewal	\$70.56				
John Beasley	Renewal	\$48.28				
John Osage	Renewal	\$48.28				
Nelson McSwain	Renewal	\$52.93				
Ryan Bradley	Renewal	\$55.80				
Shorty Cooper	Renewal	\$48.28				
Cody Propst	Renewal	61.35				



TECHNICAL MEMORANDUM WHITAKER PARK SWIMMING POOL LIMITED STUDY Pryor, Oklahoma

A. Project Overview

Project History

The Whitaker Park Pool was constructed in 1958 under the design of W.R. Holway & Associates, Engineers of Tulsa, Oklahoma. The pool is constructed of reinforced concrete cast against prepared sub-grade and naturally occurring soils. Backfill behind pool walls and under decks was low shrink-swell select borrow. Since the original construction, the pool structure has remained unchanged with only above ground dressing facilities, parking areas, and mechanical equipment upgrades.

Periodic repairs to the concrete during the off season have occurred on numerous occasions with varied results. All concrete surfaces within the pool are coated (painted) and over time the only changes have been to the color.

The water recirculation system begins with concrete troughs built into the structural walls of the pool. This trough collects water and directs waters to a series of drains that flow into a pressure tight header system and directed to the pumping system located under the deck near the NW corner of the facility. There water is physically filtered through multiple pressure filters with graded sand media. After filtration, water is chemically treated to reduce pathogens, soluble organics, and suspended particles. Water is returned to the pool via a closed pressurized header of pipes to multiple return nozzles around the pool perimeter. Make up water is manually added as needed to account for leakage, evaporation, and miscellaneous other losses.

The pool has experienced settlement throughout the life of the facility. Recent observations show the west end of the pool to be approximately 2-3 inches lower than the east end of the pool. This unequal level of the pool has dramatically impacted the overflow water return system putting more pressure on the weir flows and creates areas of the pool where water is not efficiently recycled. Long Term, this situation should be rectified or a new system more balanced should be installed.

Project Purpose and Limitations

The project scope is to evaluate the pool for limited repairs to reduce leakage through construction joints and micro-cracks within the pool bottom slab. The goal of this project is to determine if it is cost effective to undertake concrete repairs and construction joint replacements to a point where leakage is mitigated.

Project Procedures

1. Subgrade Investigation: A ground penetrating radar unit was used to evaluate the immediate area below the pool floor to determine if void areas exist to the point that subsurface stabilization is required as part of any rehabilitation project. A copy of the report from TerraCon Consultants is attached to this report which includes procedures and findings.

In summary, voids were found at numerous locations, but the depth of these voids were only a few inches which does not indicate an immediate need to expose and fill those voids. Therefore, all work shall be associated with observed issues found during the inspections and based on sound engineering practices.

2. Concrete Floor Repair: - The visual inspection of the concrete bottom indicated all const. joints throughout the pool have visible signs of leakage. With the pool empty, the joints are leaking water into the pool, during daily operation these same joints will leak water out of the pool to the lowest levels where historical wet grounds and constant pump station operation of the French drain system supports the active leakage. The caulk within the joints has become brittle and cracked throughout the pool. Some joints have experienced freeze and spauling which is an annual occurrence, but due to the extreme cold weather of the winter of 2020-21 joint degradation has increased. The ultimate repair shall include saw cutting, removal of all joint material, clean up, and replace all joints with marine grade polysulfide joint system to sound concrete. Concrete spauling along the joints shall be brought back to grade with water proofing patching compound which is especially composed to adhere to existing concrete and create a water proof connection.

In addition, specific sections of the concrete floor have experienced more extensive damage to just seal the joints. We have isolated three sections of concrete slab that must be saw cut removed and replaced including sub grade use of flowable fill and drilled dowels to surrounding concrete flooring. The three sections occur primarily in the deep end of the pool where subterranean water migration has collected and during the very cold winter months have caused extensive movement due to freeze expansion. Water proofing the pool bottom mitigating subterranean water movement or improved collection of that water is needed to minimize such slab damage in the future.

In Summary-Concrete repair of the joints and isolated concrete slab repairs are required. A change in winter operation is also suggested. Leaving at least 2 feet of water in the pool at the shallow end which will provide over 6 feet of water in the deep end of the pool will reduce joint deuteriation thus extending the life of the caulked joints. Water in the pool during winter months requires special preparation. Expansion floating pillows shall be anchored to the partially filled pool to allow expansion of the ice that will form on the water. These pillows rise and fall with ice presence to avoid damage or undue forces on pool walls. In addition, the partially filled pool water should be periodically treated with anti-freeze material specifically formulated for such applications. All valves and piping should be drained and water should not be filled to such a height as to enter the overflow weirs and return nozzles. The change in pool winterization procedure requires preparation, capital expenditure of funds for expansion prevention equipment, chemical and repeated visitation to replenish chemicals, adjust pillow blocks and break up ice.

Need for Project: The above identified repairs and operational modifications are required as a minimum to allow the pool to be filled for operation. This study does not address the several other items that must occur to bring the pool back to operation. The re-start of mechanical filtration and pumping equipment may find additional repairs or replacements required to meet current Oklahoma Department of Health guidelines for municipal pool operation. Deck repairs, fencing repairs, above water ladders, lifeguard stands, and pool house dressing room improvements have been observed as needing attention. The entire pool area needs to be water blasted and re-painted with heavy coats of marine grade oil-based paints formulated for application over concrete and body contact pool areas.

All of the above items should be considered prior to undertaking the pool bottom concrete and joint repair project. These improvements require a long-term commitment to the existing structure. The Ground penetrating Radar results have shown that large voids under the pool do not exist. Some settlement of the pool has occurred and at some point, in the future this settlement should be arrested by the addition of driven piles to bedrock even to the point of raising the pool back to level. However, this undertaking is not warranted at this time.

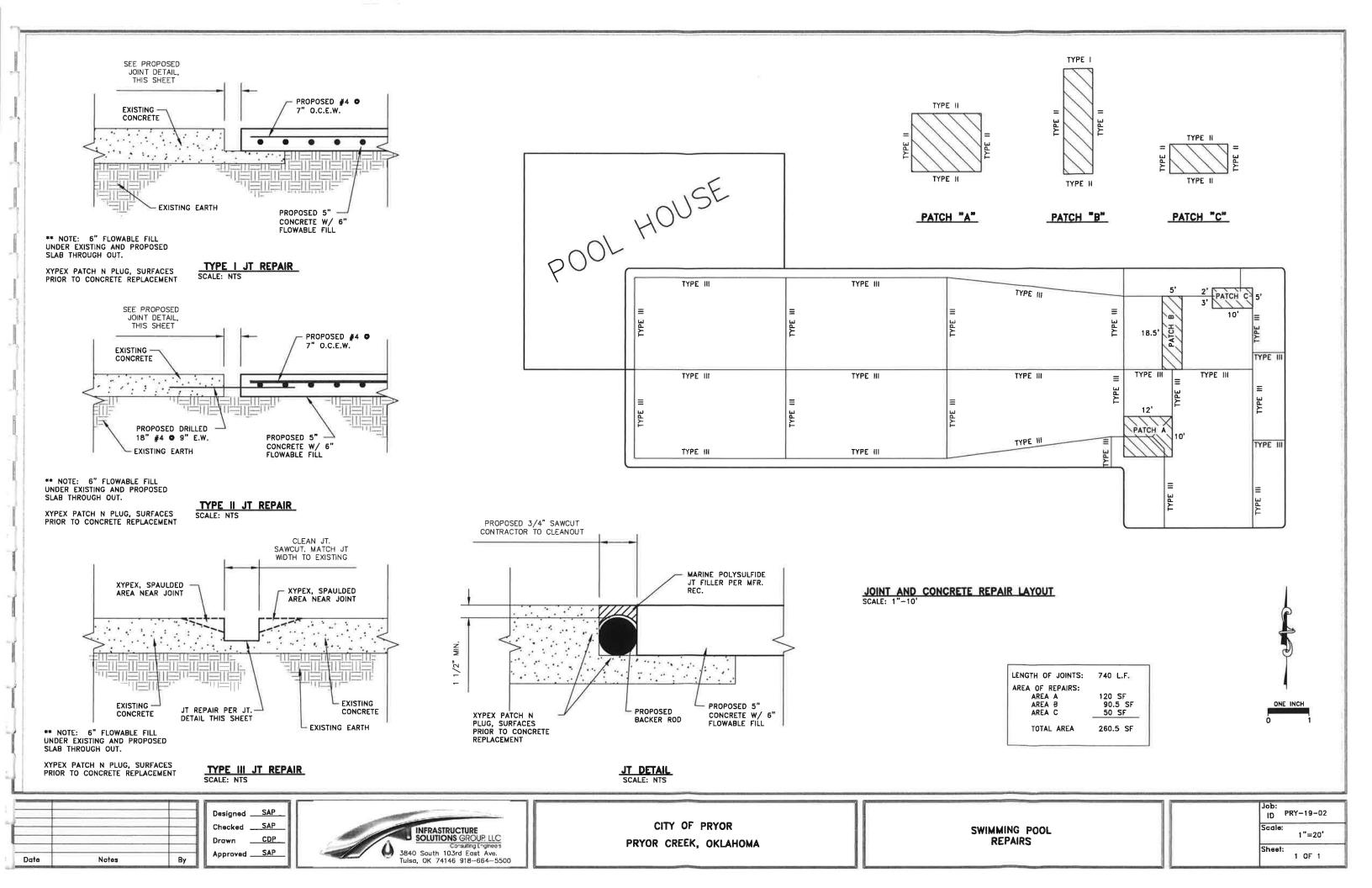
This report summarizes the needed repairs to allow the filling of the pool with a reliability that leakage due to joint and cracks have been mitigated. The ultimate decision to make these repairs or to remove the pool in its entirety for replacement with a more current pool design is not a decision this engineer is prepared to make.

Cost Estimate for Concrete Bottom and Joint Repairs

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ITEM	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
Concrete Repairs				
Sub Grade – Flowable Fill	261	SF	\$12.000	\$3,132.00
R&R Conc. Slab, in place	30	SY	\$1,600.00	\$48,000.00
Dowel Connections	206	EA	\$20.000	\$4,120.00
Joint Repairs				
Clean & Prep Joints	740	LF	\$6.00	\$4,440.00
Type I Joint Repair	50	LF	\$30.00	\$1,500.00
Type II and III Joint Repairs	680	LF	\$20.00	\$13,600.00
Subtotal				\$74,792.00
10% Contingency	\$74,792.00		0.10	\$7,480.00
Engineering & Inspection	\$82,272.00		0.10	\$8,200.00
Project Total				\$90,472.00

APPENDIX 1

SWIMMING POOL EXHIBIT



APPENDIX 2 PICTORIAL RECORDS

Figure 1 GPR UNIT



Figure 2 TEAM EXPLORING SPAULING JOINT



Figure 3 CLOSE UP OF WEATHERED JOINT



Figure 4 CONCRETE STRUCTURAL CRACK



Figure 5 LEAKING BRITTLE CONST. JOINT



Figure 6 DEEP END POOL WATER LEAKAGE

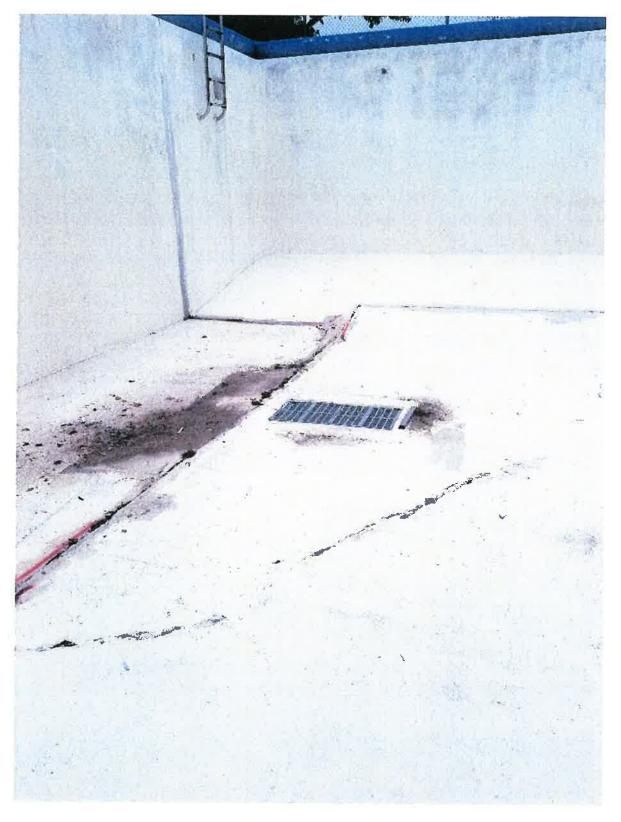


Figure 7 JOINT WITH DETACHED CONCRETE SEAM



APPENDIX 3 GPR STUDY



May 5, 2021

City of Pryor 12 North Rowe, Suite B Pryor, Oklahoma 74361

Attn: Larry Lees

P: 918.825.0888

E: larryl@pryorcreek.org

Re:

Geophysical Exploration Services Report

City of Pryor Public Swimming Pool

401 Park St

Pryor, Oklahoma

Terracon Proposal No. 03201070

Dear Mr. Lees:

On April 30th, 2021 Terracon Consultants, Inc. (Terracon) performed geophysical exploration services on the bottom of the City of Pryor Public swimming pool located near 401 Park Street in Pryor, Oklahoma. Our services were performed in accordance with the scope of services outlined in our proposal number P03211070 dated April 20th, 2021. This report discusses the methods and findings of the exploration project.

1.0 PROJECT DESCRIPTION

The purpose of the exploration was to use ground penetrating radar (GPR) to explore the subsurface to evaluate the presence of subsurface anomalies and voids that may be present under the grade supported concrete slab of the pool bottom. The area of concern measured approximately 160 feet long by 65 feet wide at the deep end of the pool. Visible signs of distress at some of the joints and an area with spalled concrete were noted in a brief visual assessment of the area of concern.

2.0 EXPLORATION METHODS

Field Services – Our primary method of investigation included a Geophysical Survey Systems, Inc. (GSSI) ground penetrating radar (GPR) system consisting of a 1600 MHz antenna. In general, ground-penetrating radar (GPR) field collection follows the procedures referenced in ASTM D6432, and more information on both the general method and collection procedures can be found in the standard. GPR utilizes radio waves to detect changes in the subsurface of the area being scanned. Changes or reflections in the signal generally indicate

Terracon Consultants, Inc. 4701 N. Stiles Avenue Oklahoma City, OK 73105 P [405] 525-0453 www.terracon.com

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Geophysical Exploration Report

Public Swimming Pools Pryor, Oklahoma May 5, 2021 Terracon Project No. 03211070



material property changes, such as, but not limited to electromagnetic conductivity and dielectric constant, which in some cases can be qualitatively linked to other material properties such as density. These changes can be effective in identifying the presence and location of items such as subsurface voids, lithology changes and embedded reinforcing steel or cables in concrete and masonry structures, among other things.

The 1600 MHz GPR antenna is a useful tool for detecting reinforcing steel in concrete and subsurface anomalies immediately under a floor slab or paving with high resolution. The depth of GPR signal penetration is determined by the soil/slab composition, current conditions and the frequency of the antenna used. At this site, the 1600 MHz antenna could investigate to a depth of approximately 20 inches.

The Geophysical exploration was conducted as follows:

- The GPR was setup and calibrated for the local concrete conditions
- Example GPR data was recorded for processing and reporting.
- GPR data was processed and interpreted for voids.

3.0 FINDINGS AND CONCLUSIONS

The GPR indicated concrete thickness of 10 to 12 inches with reinforcement at 8 inches on center around the perimeter and 5 to 6 inches of concrete thickness with reinforcement at 6 inches on center for the remainder of the slab. The GPR indicated data signatures consistent with voids along several of the joints and in larger areas, primarily on the south and southwest portion of the pool. The GPR cannot quantitatively measure the vertical airspace in a void but based on prior experience we estimate the voids likely range from ½ inch to 3 inches of vertical expression. No significant subsurface soil or fill anomalies were noted in the GPR data to a depth of 20 inches below surface. Please see the attached exhibits for the locations of potential voids.

4.0 LIMITATIONS

It should be noted that, as with any geophysical testing method, the process relies on instrument signals to indicate physical conditions in the field. Signal information can be affected by on-site conditions beyond the control of the operator, such as, but not limited to, concrete types, concrete moisture, and/or reinforcing steel spacing. Interpretation of those signals is based on a combination of known factors combined with the experience of the operator and geophysical scientist evaluating the results. Utilizing conventional observation, sampling and testing ("truthing") of select areas is recommended to confirm the results from the GPR scans. As with all geophysical methods, the GPR results provide a level of confidence, but should not be considered absolute. We cannot be responsible for the misinterpretation of unverified GPR results by others.

Geophysical Exploration Report Public Swimming Pool Pryor, Oklahoma May 5, 2021 Terracon Project No. 03211070



Nicholas Schuessler

Department Manager II, Materials

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding our findings, please contact us.

Sincerely,

Terracon Consultants, Inc.

John W. Adamson

Geophysical Project Manager

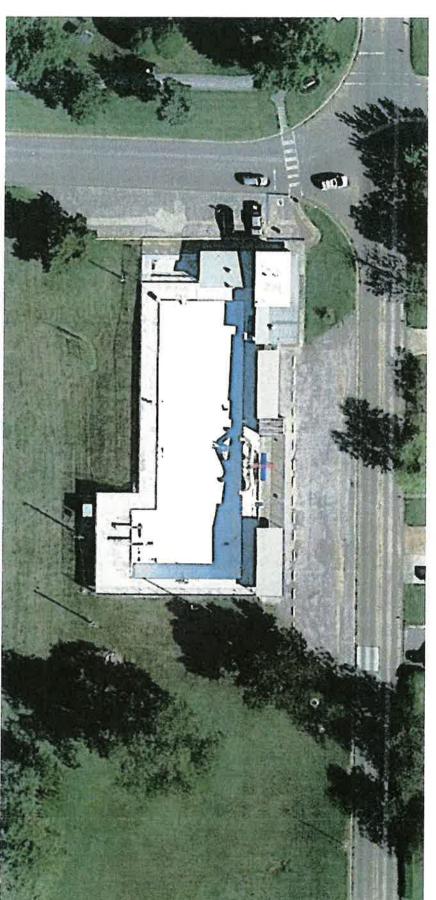
Copies to:

Addressee (1)

Attachments:

Figure 1





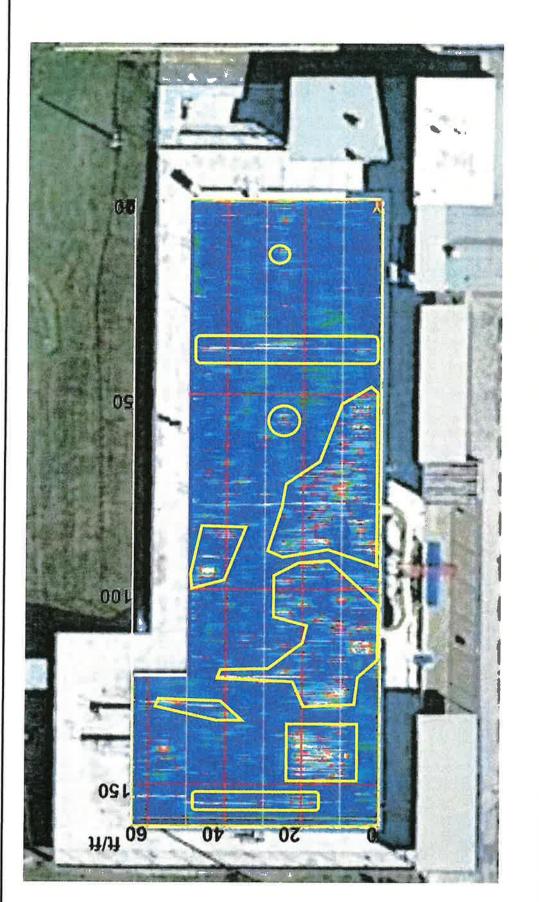
The area of concern included the bottom slab of the pool measuring approximately 160 feet by 65 foot wide.

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Public Swimming Pool Pryor, Oklahoma Location Diagram

Exhibit





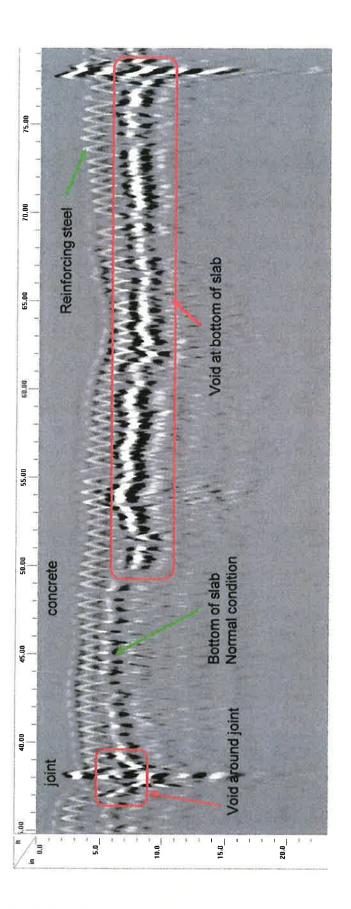
Areas circled in yellow are potential voids under the slab. The GPR cannot quantitatively measure the vertical airspace in a void but based on prior experience we estimate the voids likely range from % inch to 3 inches of vertical expression.

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	onsuking Engineers & Scientists	TUSSAVE DEGREEOM OTT, DESAUGNA 2024

		GPR Results Diagram		Dublic Swimming Dool		Prvor Oklahoma	
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Exhibit

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Public Swimm	Pryor, Oklał



The GPR indicated concrete thickness of 10 to 12 inches with reinforcement on 8 inches on center around the perimeter and 5 to 6 inches of concrete thickness with 6 inch on center spacing on the remainder of the slab. The GPR data indicated data signatures consistent with voids along several of the joints and in larger areas primarily on the south and southwest portion of the pool. The GPR cannot quantitatively measure the vertical airspace in a void but based on prior experience we No significant subsurface soil or fill estimate the voids likely range from ½ inch to 3 inches of vertical expression. anomalies were noted in the GPR data to a depth of 20 inches below surface.

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Project No. 03211070	Scale:	File Name: GPR	Date: APR 2021
Project Manager: JWA	Drawn by: JWA	Checked by: RMK	Approved by: SAR

Public Swimming Pool Pryor, Oklahoma Example GPR Profile

Exhibit



Lees, Larry < leesl@pryorcreek.org>

Fw: Pryor city pool

1 message

To: "leesl@pryorcreek.org" <leesl@pryorcreek.org> Fri, May 21, 2021 at 10:25 AM

---- Forwarded Message -----

From: Michael Duffy <michaelbd@health.ok.gov>

To: 'pryorcityparks@sbcglobal.net' <pryorcityparks@sbcglobal.net>

Cc: Samuel C Cannella <samuelc@health.ok.gov>; 'steve.powell@isgengineering.com' <steve.powell@isgengineering.

com>

Sent: Thursday, May 20, 2021, 04:25:34 PM CDT

Subject: Pryor city pool

Frank,

As a follow up to my inspection on 5-18-21, the following items need to be repaired, replaced or added to the pool.

- Some of the metal piping and brackets for the diving boards is rusted, significant rusting in some places.
- There are several cracks in the bottom of the pool, some areas have broken concrete.
- Areas of the decking around the diving board and in other areas are in poor repair.
- Areas of the pool guttering are in poor repair.
- 5) A hydrostatic valve for each set of floor drains is recommended to stop the damage caused by the water pressure under the pool.
- 6) A new valve needs to be installed on the filter side of the strainer basket in the pump room.
- The sand in the filters needs to be replaced to improve water filtration.
- General maintenance items such as filling cracks and repainting need to be done.
- Soap dispensers are required in all showers and at hand sinks.
- 10) Cracks in the walls in the showers need to be filled to prevent mold growth.

The above list is not all inclusive of all the maintenance items needing repair or correction, but reflects the obvious items I witnessed on my inspection. If you have any questions about the list I have provided, you can contact me by one of the below listed methods.

Thank You,

Mike Duffy | Public Health Specialist | RPES

Occupational Licensing Division | Oklahoma State Department of Health

O 918 341 3166 x 249| c. 405 343 8192 | michaelbd@health.ok.gov |

Oklahoma.gov | health.ok.gov