



**NOTICE
GLENPOOL UTILITY SERVICE AUTHORITY
REGULAR MEETING**

A Regular Session of the Glenpool Utility Service Authority will be held at 6:00 p.m. immediately following the Glenpool City Council Meeting on August 2, 2021 at Glenpool City Hall, City Council Chambers, 12205 S. Yukon Ave., 3rd Floor, Glenpool, Oklahoma.

NOTE: The Glenpool Utility Service Authority will be assembled for the meeting at the City Council Chambers, 12205 S. Yukon Ave, Glenpool, Oklahoma. Members of the public are invited to attend the in-person meeting, or join a live broadcast at this link:

Join Zoom Meeting

<https://us02web.zoom.us/j/89753555435?pwd=QzdFVjA1b0lKa1lSUFlKbUNrUUxtdz09>

Meeting ID: 897 5355 5435

Passcode: 974088

One tap mobile

+13462487799, US (Houston)

+14086380968, US (San Jose)

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+1 346 248 7799 US (Houston)

Meeting ID: 897 5355 5435

Passcode: 974088

Find your local number: <https://us02web.zoom.us/j/89753555435?pwd=QzdFVjA1b0lKa1lSUFlKbUNrUUxtdz09>

The GUSA Board welcomes comments from citizens of Glenpool who wish to address any item on the agenda.

- Speakers attending in **PERSON** are required to complete the Request to Speak form located on the agenda table and return to the City Clerk **PRIOR TO THE CALL TO ORDER**.
- Speakers attending via **ZOOM** are required to complete the Request to Speak form located on our website: <https://glenpoolonline.civicweb.net/document/19057/Request%20to%20Speak%20Form.pdf> and email it to the City Clerk: Wknight@cityofglenpool.com **PRIOR TO 6:00 PM, AUGUST 2, 2021**.

AGENDA

	Page
A) Call to Order - Joyce G. Calvert, Chair	
B) Roll Call, Declaration of Quorum – Susan White, Asst. City Manager; Joyce G. Calvert, Chair	
C) Scheduled Business	
1) Discussion and possible action to approve, deny, or amend the minutes from July 6, 2021 meeting. (Susan White, Asst. City Manager) GUSA - 06 Jul 2021 - Minutes - Html	3 - 4
2) Presentation and discussion of Wastewater Master Plan Executive Summary prepared by Tetra Tech. No action will be taken. (David Tillotson, City Manager)	5 - 10

[Staff Report - Sewer Executive Summary Presentation](#)
[2021 Wastewater Master Plan Executive Summary](#)

- 3) Discussion and possible action to approve or deny a quote received from Interstate Electric Corporation for the repair of two liftstation pumps at the Glenpool Wastewater Treatment Plant, in a total amount not to exceed \$13,770.00, to be funded from the approved FY 21/22 Budget: Account No. 02-6-16-6272: Equipment Repair and Maintenance, and to authorize the City Manager to execute the same. 11 - 15
(Lynn Burrow, Community Development Director)
[Liftstation Pump Repair](#)
- 4) Discussion and possible action to approve or deny a quote received from Automatic Engineering of Broken Arrow for the repair of an air blower unit operating at the Glenpool Wastewater Treatment Plant, in a total amount not to exceed \$10,225.50, to be funded from the approved FY 21/22 Budget: Account No. 02-6-16-6272: Equipment Repair and Maintenance, and to authorize the City Manager to execute the same. 16 - 22
(Lynn Burrow, Community Development Director)
[Treatment Plant Air Blower Repair](#)
- 5) Discussion and possible action to approve or deny a quote received from Environmental Improvements, Inc. for two new chemical feed pumps and related equipment at the Glenpool Wastewater Treatment Plant, in a total amount not to exceed \$17,079.00, to be funded from the approved FY 21/22 Budget: Account No. 02-6-16-6272: Equipment Repair and Maintenance, and to authorize the City Manager to execute the same. 23 - 31
(Lynn Burrow, Community Development Director)
[Waster Water Treatment Plant Equipment Replacement](#)
- 6) Discussion and action to designate Frank Ordaz as signatory on bank account(s).
(David Tillotson, City Manager)
- 7) Discussion and possible action to approve, endorse and ratify as its own, or amend, reject or deny approval by the City Council on July 6, 2021, of the Contract Bid received from JE Dirt Wurx, LLC, for the Kendalwood North Park Drainage Improvement Project in a total amount not to exceed \$102,200.00, and to confirm or withdraw authorization of the City Manager to execute the same. This project will be funded from the approved FY 21/22 Budget Item No. 02-6-16-6279: SEP Projects. 32 - 59
(David Tillotson, City Manager)
[Staff Report - Kendalwood Park Drainage Project](#)

D) Adjournment

This notice and agenda was posted at Glenpool City Hall, 12205 S. Yukon Ave., Glenpool, Oklahoma, on July 30, 2021, by 4:00 pm.

Signed: Susan White

Acting Secretary



MINUTES
GUSA Meeting
Tuesday, July 6, 2021 Council Chambers 6:00 PM

TRUSTEES PRESENT: Joyce Calvert
Brandon Kearns
Tim Fox
Jacqueline Triplett-Lund

TRUSTEES ABSENT: Chris Brobst

STAFF PRESENT: David Tillotson
Susan White
Lowell Peterson
Wendy Knight
Bart Harris

STAFF ABSENT: Lynn Burrow
Jim Martin

- A) Call to Order - Joyce G. Calvert, Chair**
Chair Calvert called the meeting to order at 7:43 p.m.
- B) Roll Call, Declaration of Quorum – Wendy Knight, Secretary; Joyce G. Calvert, Chair**
Wendy Knight called the roll, Chair Calvert declared a quorum present.

C) Scheduled Business

- 1) Discussion and possible action to approve, deny, or amend the minutes from June 7, 2021, and June 21, 2021 meetings.
(Wendy Knight, Secretary)

Moved by Tim Fox, seconded by Jacqueline Triplett-Lund

To approve the minutes as presented.

	For	Against	Abstained	Absent
Joyce Calvert	x			
Brandon Kearns	x			
Tim Fox	x			
Chris Brobst				x

GUSA
July 6, 2021

Jacqueline Triplett-Lund	x			
	4	0	0	1

CARRIED.

[GUSA - 07 Jun 2021 - Minutes - Html](#)

[GUSA - 21 Jun 2021 - Minutes - Html](#)

D) Adjournment

Chair Calvert declared the meeting adjourned at 7:44 p.m.



To: Chair and Trustees

From: David Tillotson, City Manager

Date: July 27, 2021

Re: Executive Summary Presentation on Sewer System

Background:

The GUSA Board previously hired Tetra Tech to update our 2010 Wastewater Master Plan Report. This report is now ready for presentation and discussion with the Board. Tetra Tech will be presenting their findings and will be prepared to discuss these findings with the Board. There is no action being taken on this report.

Staff Recommendation:

Discussion Item Only

Attachments:

- Wastewater Master Plan Executive Summary

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;

Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4

City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight

www.glenpoolonline.com

Wastewater Master Plan Report

City of Glenpool

PRESENTED TO

City of Glenpool

14522 Broadway
Glenpool, Oklahoma 74033

PRESENTED BY

Tetra Tech

7645 East 63rd Street
Tulsa, Oklahoma 74133

P +1-918-249-3909

F +1-918-249-3930

tetratech.com

WASTEWATER MASTER PLAN EXECUTIVE SUMMARY

The City of Glenpool has contracted with Tetra Tech to update its 2010 Wastewater Master Plan Report. Since the drafting of the 2010 Master Plan, Glenpool has experienced continued growth. Glenpool continues to recognize the importance of future planning with regards to the wastewater facilities and the collection system. The majority of the existing wastewater infrastructure has remained in the Coal Creek Basin, but there is still continued growth and development planned for the surrounding basins. To accommodate the increase in wastewater flow created by proposed developments and future population growth, improvements for the existing facilities will need to be carefully planned. The purpose of this update is to address Glenpool's wastewater infrastructure needs through a 20-year planning period (2021 to 2041).

The scope of this Wastewater Master Plan Update includes the following key elements: population and wastewater flow projections, evaluation of the existing treatment and collection system, and reevaluation of the viable and cost-effective improvement options presented in the 2010 Master Plan to meet the future needs of the 2041 planning period. The 2010 Master Plan and Glenpool's 2030 Comprehensive Plan were used as the basis for developing the population projections. The estimations for the future wastewater flows through the collection system and ultimately to the treatment facility are based on the population projections through the 2041 planning period.

The Glenpool service area covered in this study includes approximately 27.84 square miles (17,815 acres), spread over four major basins: Coal Creek, Duck Creek, Posey Creek, and Polecat Creek. Coal Creek basin is approximately 33.4% of the total area and contains the majority of Glenpool's existing development. Duck Creek basin includes approximately 48.4 % of the total area but is mostly unserved except for the area around the Eden South lift station. This basin has been identified as an area for growth from the City of Glenpool along Highway 75. Posey Creek basin is approximately 14.1% of the total area and is mostly unserved. Polecat Creek basin is approximately 4.15% of the total area and is also mostly unserved.

The 2010 U.S. Census population was 10,808 individuals. The projected 2041 population for Glenpool is approximately 33,964 individuals. This estimation is from applying a 4.1% growth rate from 2015 population numbers given by the City of Glenpool. The projected 2041 average daily wastewater flow is approximately 4.5 million gallons per day (MGD).

Glenpool's existing collection system consists of approximately 2,970 manholes, 314,850 linear feet of gravity lines, and 66,660 linear feet of force main lines. The gravity lines range in size from 4-inches to 18-inches in diameter. There are 13 active lift stations included in the collection system. The existing lift stations are: Coal Creek, Conway/XPO, Eden South, Elwood, Fern Street, Glenpark, Hickory, Longhorn/Newman, Rolling Meadows, Scissortail, Shell, South 75 Business District/Mark Allen, and Speedy. For optimized analysis of the collection system, the population projections were applied to the lift station collection system boundaries. This allows for better accuracy in system loading and reduced peak flow uncertainty by clearly defined service area populations.

The existing collection system was evaluated through three scenarios: the existing condition, the proposed condition (planned development) and the future condition (2041). As anticipated with the projected growth rates, the results indicate a system which needs upsizing of trunk lines in response to large developments and over time due to population growth. The hydraulic model was developed to evaluate the major backbone infrastructure lines throughout each lift station collection system. These pipes were selected through the largest number of customers served. The model created does not account for actual system pipe slopes and uses an assumption of minimum pipe slope to reach minimum velocity, 2-ft per second, as required by ODEQ. The results of the existing condition analysis indicate there are hydraulic deficiencies with the present estimated loads in various locations throughout the collection system. Deficiencies are most commonly seen in the 8-inch backbone mains in the larger service areas such as; Longhorn, Elwood, Shell, Speedy and the main WWTP collection system. When projecting the proposed developments and future growth onto the existing collection system the deficiencies become more widespread.

This Master Plan recommends that pipe segments be evaluated for replacement when the calculated flow total exceeds the minimum capacity limit and replaced when the total flow exceeds the maximum capacity limit. The future condition identifies capacity deficiencies in: 30,035 feet of 8-inch, 1,025 feet of 12-inch, and 2,295 feet of 15-inch. Such deficiencies will result in a total replacement cost of \$15,141,372.00. The City's focus should be on pipe segments identified with existing performance issues and the major lines which serve the largest number of customers. This cost should be planned for over the next 10 to 20 years as growth and development continue to boom in Glenpool.

The most dramatic deficiencies and cost burden was identified for the 8-inch gravity sewers pipes that make up the terminal WWTP collection basin. Figure 1 below shows the undersized skeleton sewer that makes up final stretch of collection system leading to the WWTP. Table 1 shows the deficiencies in the proposed situation where capacity ratios should be greater than 1 for sewers sewer with sufficient capacity. Capacity ratios less than 1 represent sewer pipes that are over capacity. Similar figures and assessments are included in the full report for all of the City's collection system basins.

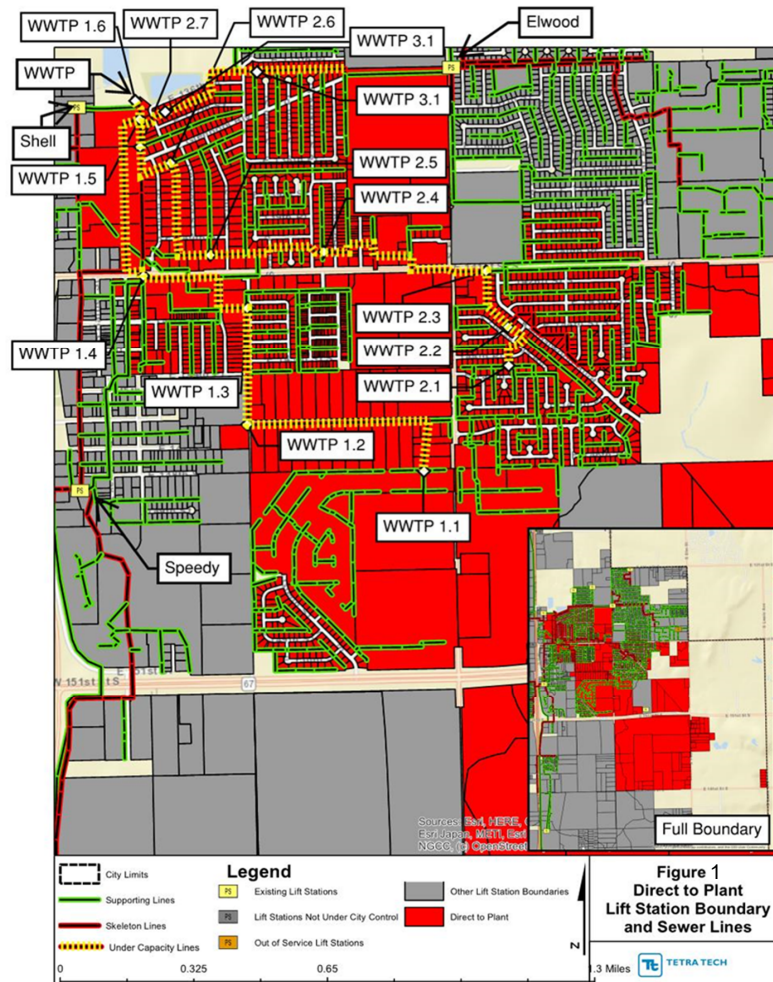


Table 1 – WWTP Basin Proposed Condition

U.S. MH	D.S. MH	Pipe Dia.	Min Capacity (gal/min)	Max Capacity (gal/min)	Total Combined Flow (gal/day)	Total Combined ³ Flow (gal/min)	Min Capacity Ratio ⁴	Max Capacity Ratio ⁵
WWTP 1.11	WWTP 1.21	8 "	172.0	370.0	609,260.08	423.10	0.41	0.87
WWTP 1.21	WWTP 1.31	8 "	172.0	370.0	651,160.29	452.19	0.38	0.82
WWTP 1.31	WWTP 1.41	8 "	172.0	370.0	878,320.41	609.94	0.28	0.61
WWTP 1.41	WWTP 1.51	8 "	172.0	370.0	4,353,904.11	1,407.94	0.12	0.26
WWTP 1.51	WWTP 1.61	8 "	172.0	370.0	4,389,271.15	1,432.50	0.12	0.26
WWTP 1.61	WWTP	8 "	172.0	370.0	5,917,668.10	2,282.50	0.08	0.16
WWTP 2.11	WWTP 2.21	8 "	172.0	370.0	1,411,792.19	980.41	0.18	0.38
WWTP 2.21	WWTP 2.31	8 "	172.0	370.0	1,799,574.47	1,249.70	0.14	0.30
WWTP 2.31	WWTP 2.41	8 "	172.0	370.0	1,966,350.56	1,365.52	0.13	0.27
WWTP 2.41	WWTP 2.51	8 "	172.0	370.0	2,068,795.06	1,436.66	0.12	0.26
WWTP 2.51	WWTP 2.61	8 "	172.0	370.0	2,158,988.55	1,499.30	0.11	0.25
WWTP 2.61	WWTP 2.71	8 "	172.0	370.0	2,236,945.23	1,553.43	0.11	0.24
WWTP 2.71	WWTP	8 "	172.0	370.0	2,276,537.19	1,580.93	0.11	0.23
WWTP 3.11	WWTP 3.21	8 "	172.0	370.0	1,372,883.48	573.51	0.30	0.65
WWTP 3.21	WWTP	8 "	172.0	370.0	1,724,254.32	781.50	0.22	0.47
Total Flow Into WWTP ->					9,680,077.21	4,479.38		
³ accounts for local collections system flows and rated pump capacity from contributing up stream lift stations								
⁴ minimum allowable capacity limit is set at d/D = 0.5 or pipe at 50% full								
⁵ maximum allowable capacity limit is set at d/D = 0.94 or pipe at 95% full								

Table 2 summarizes the costs estimate for overall collection system upgrades in the lift station basins to accommodate capacity deficiencies up to 2041. Basins not identified in the table were found to not require significant capacity deficiencies.

Table 2: Estimated Capital Cost for Collection System Upgrades

Lift Station Sub Basins	Total Cost
Longhorn	\$ 532,440.00
Eden South	\$ 345,870.00
Elwood	\$ 474,120.00
WWTP	\$ 7,930,047.00
Shell	\$ 913,680.00
Speedy	\$ 4,945,215.00
Total	\$ 15,141,372.00

The same data used to evaluate the collection system was leveraged to analyze the performance of the lift stations and force mains. The lift stations were evaluated with respect to pump capacity and force mains were evaluated with respect to minimum velocities. At this level of analysis these two metrics are most appropriate to evaluate

general performance of the City's conveyance assets. Each lift station should have pump capacity to handle the maximum sewage flows with one pump out of service. Additionally, force mains should be designed to achieve a minimum pipe velocity of 2.0 feet per second. These key performance metrics are established based on ODEQ title 252-656-subsection 7 design criteria. The analysis resulted in the identification of several lift stations and force mains which should be closely monitored for performance. The following lift station pumps are estimated to be under capacity with respect to the projected flows:

- Longhorn
- Coal Creek
- Eden South
- Elwood
- Fern Street
- Glenpark
- Speedy

The City should further evaluate the pumping capacity at these lift stations and consider upsizing pumps as developments are built. Unlike the potential pump capacity deficiencies, some of the force mains were determined to be oversized for their current and/ or projected capacities. The following force mains were identified as having velocities that fall below the recommended minimum velocities of 2.0 feet per second:

- Eden South
- Fern Street
- Glenpark
- Hickory

The original 2010 Master Plan, proposed three future options for Glenpool to consider moving forward:

- Option 1: Improve the existing plant to handle all flows for the 20-year planning period.
- Option 2: Improve the existing plant to serve a portion of the service area and construct a new plant to serve the balance of the service area as appropriate.
- Option 3: Construct a new plant to serve the entire service area (and possibly some flow from the Bixby service area) with the existing plant being converted to a lift station and flow equalization facility transferring all flows to the new plant.

Since the three options were presented, in 2020, Glenpool received Consent Order, No. 19-289, that required the City of Glenpool to perform certain tasks to eliminate OPDES permit violations from the Wastewater Treatment Plant. Tetra Tech and Sub-consultant S2 Engineering organized and delivered the Engineering Report to ODEQ in December of 2020. Based on a comparative evaluation and addition study found in the Engineering Report, Option 1 from the 2010 Master Plan is still the recommended alternative. The Engineering Report proposed the 2-phase construction of a 3.0 MGD SBR mechanical plant replacing the Lagoon system currently in operation. The second phase of construction would expand the 3.0 MGD plant to a 5.0 MGD plant to meet the estimated future flows of the 2041 planning period.

The Wastewater Master Plan Report is an updated report which reflects the decisions made by City staff with assistance from recommendations made by S2 Engineering and Tetra Tech. Included on this report are the methodology for population forecasting, wastewater treatment plant load projections, summary of the City's lift stations, hydraulic analysis of the collection system, and recommended improvements. This plan provides the City with a comprehensive understanding of their wastewater assets and how to plan for sustained population growth within the City limits.



MEMORANDUM

**TO: CHAIRMAN AND BOARD MEMBERS
GLENPOOL UTILITY TRUST AUTHORITY**

**FROM: LYNN BURROW, PE
COMMUNITY DEVELOPMENT DIRECTOR**

**RE: REQUEST FOR SEWERAGE LIFSTATION PUMP REPAIR
WASTEWATER TREATMENT PLANT**

DATE: AUGUST 2, 2021

BACKGROUND

This item is for Board consideration and action regarding the approval to accept two separate equipment repair quotes received from Interstate Electric Corporation in Sand Springs covering the repair of two liftstation pumps at the Glenpool Wastewater Treatment Plant. The total cost of these proposed repairs is \$13,770.00. It should be noted that the two pumps in question will serve as back-up units to be installed whenever one of the operating pumps has failed in some future event so as to avoid any down-time due to inadequate pumping capacity due to a reduced number of pumps being operational. As noted in the proposals from Interstate Electric, the quoted cost covers the complete rehabilitation of the existing pumps significantly less than that of a totally new replacement unit and in significantly less time than the order of new units. The repair of this equipment is proposed to be provided for in the FY 2021//2022 Annual Budget under item No. 2-6-16-6272 (Equipment Repair and Maintenance).

Staff Recommendation:

Due to the vendor's evaluation of the existing sewage pumps as being rebuildable at significantly less cost than total replacement, Staff is recommending approval to authorize Interstate Electric Corporation to fully repair, rebuild, and deliver the sewerage pumps in question for the total price of \$13,770.00. Staff also recommends authorization be given to the City Manager to execute the corresponding Service Quotes and to make payment to this company upon satisfactory equipment rehabilitation and delivery.

Attachment:

- A. Proposals from Interstate Electric Corporation

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641
Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;
Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4
City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight
www.glenpoolonline.com

Lynn Burrow

From: Jeremy McCool
Sent: Friday, July 16, 2021 12:24 PM
To: Lynn Burrow
Subject: QUOTE-2.docx
Attachments: QUOTE-2.docx

Lynn, this is the quote to rebuild the effluent pump that goes at the sewer treatment plant and pumps to the river. This is one of three pumps that we have in effluent station which went down but we were able to swap it out with the extra one we had on hand to keep things pumping smoothly with no interruptions. So fixing this one will give us the extra pump we need in case we have one go down which we may need to replace with pump 2 that has been making some noise occasionally. We pulled it but found nothing so we are just running it and keeping a watch on it. The first price is the quote to fix it which will be replacing everything except the housing of the pump compared to the price of a brand new pump listed below it. I wanted to make sure you had the cost of new pumps to compare with since this will most likely have to go before the council.

Sent from my iPhone

QUOTE

INTERSTATE ELECTRIC CORPORATION
196 E MORROW ROAD
P.O. BOX 668
SAND SPRINGS, OK 74063

PHONE: 918-245-4508
FAX: 918-245-9218

TO: CITY OF GLENPOOL
JEREMY MCCOOL
(918) 857-8696
jmccool@cityofglenpool.com

DATE:

07/15/2021

REFERENCE:

JOB# 20033 - FAIRBANKS 100HP SUBMERSIBLE PUMP, 1785 RPM, 460 VOLT
3 PH, 60 HZ, 120 AMP, 360T FRAME, TYPE: LK, S/N 2179050
DATE: 01/2012, ID# U100D2364 DIV H32A, HAS CORD AND SLIDE

WORKSCOPE:

REPAIR - DISINFECT, DISASSEMBLE, CHECK, STEAM CLEAN, TEST, RECONDITION
WINDINGS, FURNISH AND INSTALL 1 NEW STANDARD AND 1 NEW SPECIAL
BEARING, FURNISH AND INSTALL NEW MECHANIAL SEALS AND O-RINGS
REPAIR PUMP, REPOT CORD (USE CUSTOMERS EXISTING GOOD CORD)
ASSEMBLE, FILL WITH OIL, TEST AND PAINT.....\$8,785.00

NEW - 1 NEW FAIRBANKS 100HP DROP IN REPLACEMENT SUBMERSIBLE PUMP
1800 RPM, 460 VOLT, 360T FRAME, #5436MV.....\$59,000.00
INCLUDES FREIGHT / 16-20 WEEK LEAD TIME

DUE TO THE FREQUENT PRICE INCREASES AND PARTS AVAILABILITY
QUOTE WILL BE VALID FOR 30 DAYS

Thank you for your Business!

Lynn Burrow

From: Jeremy McCool
Sent: Friday, July 16, 2021 12:16 PM
To: Lynn Burrow
Subject: QUOTE-3.docx
Attachments: QUOTE-3.docx

Lynn, this is the quote to rebuild the influent pump that goes at the headworks of the sewer treatment plant. This will be an extra one to have on hand if one of the other three pumps goes down for some reason which is what happened with this one that went down and we had an extra replacement on hand to swap them out and keep things running smoothly. On the bottom of this quote is the price for a brand new pump to compare with the price of a rebuild which is basically replacing everything except the body.

Sent from my iPhone

QUOTE

INTERSTATE ELECTRIC CORPORATION
196 E MORROW ROAD
P.O. BOX 668
SAND SPRINGS, OK 74063

PHONE: 918-245-4508
FAX: 918-245-9218

TO: CITY OF GLENPOOL
JEREMY MCCOOL
(918) 857-8696
jmccool@cityofglenpool.com

DATE:

07/15/2021

REFERENCE:

JOB# 20195 - FAIRBANKS 15HP SUBMERSIBLE PUMP, 855 RPM, 460 VOLT, 250T FRAME
3 PH, 60 HZ, 22.7 AMP TYPE: LK, S/N K4J1-081051-1
ID# U015D2258D1S1111A, HAS CORD AND SLIDE

WORKSCOPE:

REPAIR - DISINFECT, DISASSEMBLE, CHECK, STEAM CLEAN, TEST, RECONDITION
WINDINGS, FURNISH AND INSTALL 1 NEW STANDARD AND 1 NEW SPECIAL
BEARING, FURNISH AND INSTALL NEW MECHANICAL SEALS AND O-RINGS
REPAIR PUMP, FURNISH AND INSTALL NEW CORDS, REPOUT CORD
ASSEMBLE, FILL WITH OIL, TEST AND PAINT.....\$4985.00

NEW - 1 NEW 15HP DROP IN REPLACEMENT SUBMERSIBLE PUMP, 855 RPM
460 VOLT, 250T FRAME, 3 PH, #5434SMV.....\$32,319.00
INCLUDES FREIGHT / 16-20 WEEK LEAD TIME

DUE TO THE FREQUENT PRICE INCREASES AND PARTS AVAILABILITY
QUOTE WILL BE VALID FOR 30 DAYS

Thank you for your business!



MEMORANDUM

**TO: CHAIRMAN AND BOARD MEMBERS
GLENPOOL UTILITY TRUST AUTHORITY**

**FROM: LYNN BURROW, PE
COMMUNITY DEVELOPMENT DIRECTOR**

**RE: REQUEST AIR BLOWER EQUIPMENT REPAIR AT THE
WASTEWATER TREATMENT PLANT**

DATE: AUGUST 2, 2021

BACKGROUND

This item is for Board consideration and action regarding the approval to authorize the repair of an existing air blower unit operating at the Glenpool Wastewater Treatment plant per the attached service quote received from Automatic Engineering of Broken Arrow in the amount of \$10,225.50. The repair of this unit is required in order to have one of the four forced air pumps be in rotation with the other three pumps that operate at all times. As noted in the proposal, the existing pump has been inspected in detail and has been determined to be rebuildable at a significantly less cost than that of a new unit. It should be noted that these existing pumps will likely be replaced or eliminated totally as part of the upcoming design of a replacement treatment plant within the next several years. This equipment repair is proposed to be funded from the FY 2021/2022 Annual Budget under item No. 2-6-16-6272 (Equipment Repair and Maintenance).

Staff Recommendation:

Due to the vendor's evaluation that this existing air pump is rebuildable and will be capable of many years of continued operation, Staff is recommending approval to authorize Automatic Engineering to fully repair, rebuild, and reinstall the existing air pump in question for the total price of \$10,225.50. Staff also recommends authorization be given to the City Manager to execute the corresponding Service Estimate and to make payment to this company upon satisfactory delivery and re-installation.

Attachment:

A. Proposal from Automatic Engineering

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641
Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;
Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4
City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight
www.glenpoolonline.com

SERVICE ESTIMATE

Customer: City of Glenpool Contact : Rob Werley Date: 06/16/2021 Phone: 918-332-3822 Fax: 918-209-4626 Project: Blower Service	Automatic - Municipal Tulsa 412 N. Redbud Ave. Broken Arrow, OK 74012 Phone: 918-585-5703 Fax: 918-585-5707	
Quote #: 7036277 Opp #: OP-531730		

Dear Rob,

We are pleased to offer the following estimate for your review.

Line No	Quantity	Description of Unit	Net Each	Net Ext.
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Option 1: Removal, Repair of Roots 711 URAI Blower, Install of Repaired Blower
Option 2: Removal, Purchase of New Roots 711 URAI Blower, Install of New Blowers

1	1.00	ROOTS 711 URAI		
		Serial Number - GLENPOOL WWTP BLOWER		
	1.00	Parts To Include:		
		Oil, ISO 220		
		Gasket, Gearbox		
		Impellers		
		Bearings		
		Lip Seals		
		Gear Nut		
		Washer		
		Total		\$10,225.50

2		ROOTS 711 URAI		
	1.00	BLOWER, 7M		
		Total		\$14,087.50

\$15,150.00

Disassembly, Cleaning, Inspection and Estimating Charge

\$1,062.50

Amount due if this unit is not repaired. An invoice for this charge will automatically generate within 90 days of this estimate. This charge is for DCI (Disassembly, Clean and Inspect). All units left at our facility for more than 6 months will be scrapped unless written notification is received.

Delivery: 4 - 5 week(s) after receipt of P.O.
 FOB Point: Shipping Point
 Terms of Payment: Upon Receipt
 Quote Validity: 30 Days

Thank you for the opportunity to provide you with this estimate. Please let us know how you would like to proceed.

Quoted By:
Jeremiah Case
jcase@cogentcompanies.com

Salesrep:
Joe Holbrook

STANDARD TERMS AND CONDITIONS

Price is FOB shipping point and does not include any freight charges. Price does not include any applicable duties or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to this equipment and/or project. Unless specifically stated, price does not include manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

If the price is included in a proposal, the price is firm for receipt of an order within 30 days of the date shown on the proposal. Any additional terms and conditions included in the proposal are specifically included in these terms and conditions.

Unless otherwise expressly agreed to in writing by Seller, all shipments are FOB Seller shipping point at which point title also transfers.

Payment is due upon receipt of the invoice. An interest charge of 1-1/2% per month will be added to past due balances. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company at the time of order, and shall in no case exceed a period of 120 days. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

Payment of 'commercial transaction' invoices by credit card will be charged a fee based upon Cogent's average discount rate for credit card transactions for the prior calendar year. This fee will change annually and is currently 2.55%.

All equipment either rented from or through Company is subject to all of the terms and conditions listed on the back of the rental contract. Pricing does not include any overtime running of power equipment.

In no event shall Company's obligations and liabilities under this Agreement include any direct, indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill; nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

Customer shall be responsible for determining the good operating condition of all materials and equipment prior to accepting the materials and equipment. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY, BUT IN SUCH CASE THE WARRANTY OR GUARANTEE IS LIMITED AS ABOVE PROVIDED. Notwithstanding the foregoing, Company will pass through to the Customer any warranty provided by the manufacturer of any equipment supplied by Company.

Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the equipment or materials purchased or rented hereunder. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the equipment or materials, to the fullest extent allowable by law.

In connection with a proposal, if Customer has any further questions or comments regarding the proposal, please feel free to contact Company. If the proposal meets with Customer's approval, please sign, date and mail or fax a copy of the proposal back to Company's office, and the identified equipment will be ordered and/or scheduled for delivery.

This agreement shall be governed by the laws of the state where the Company's branch office is located from which the equipment is rented or purchased. Customer further agrees that venue and jurisdiction shall be appropriate in the county in which Company's branch office is located from which the equipment was rented or purchased. Any provisions hereof which may prove unenforceable under any law shall not affect the validity of any other provision hereof.

Revised January 2019



Opportunity Number	OP-531730	Date	7/16/2021
PQ/Order Number	1420326	Salesman	Joe Holbrook
Customer	City of Glenpool	Customer Stock #	
Contact Name, First	Cody	Service Type	Service
Contact Name, Last	.	Brand	Automatic Engineering
Contact Phone	918-728-9130	Market	Municipal
Contact Cell		Fluid Being Pumped	Poo Air
Contact Email		Equipment Location/ID #	

Manufacturer	Howden-Roots
Model	711-URAI
Serial #	1804B1157
Item Type / Description	Blower
Additional Items	None
Level of Repair	I2 - Full DCI with Clearances Noted, Sandblasting, Estimate with Pictures, and Repair Report

DCI Technician	Kish	DCI Date	7/7/2021
----------------	------	----------	----------

Pump As Found/Received

Notes:



Lobe**Inspection Notes**

In good condition

Work Scope**Cylinder****Inspection Notes**

Some wear but will be able to reuse.

Work Scope**outboard bearing****Inspection Notes**

replace

Work Scope

inboard bearings**Inspection Notes**

Will replace

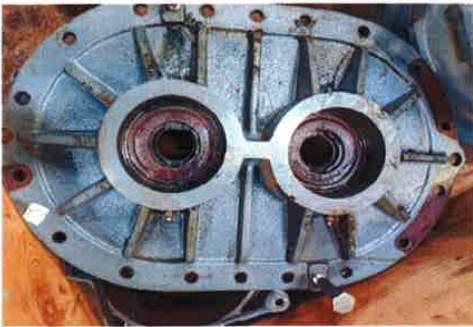
Work Scope**outboard shaft****Inspection Notes**

Replace Wear on shaft

Work Scope**inboard shaft****Inspection Notes**

Will replace. Wear at the lip seal.

Work Scope

bearing housing	
Inspection Notes good condition	
Work Scope	

Conclusions																	
Paint Type and Color	standard/gray	Bin Location D2A															
Primary Cause of Failure Normal wear from extended use of the pump Bearing were failing																	
Additional Notes & Suggestions																	
Parts Required <table border="1"> <tbody> <tr> <td>i-Alert 2 Bluetooth Monitor</td> <td></td> <td></td> </tr> <tr> <td>Oil gearbox ISO 220 viscosity</td> <td>gasket gearbox</td> <td>cover blind</td> </tr> <tr> <td>impeller & shaft drive</td> <td>impeller & shaft driven</td> <td>ball bearing</td> </tr> <tr> <td>roller bearing</td> <td>lip seal</td> <td>lip seal</td> </tr> <tr> <td>gear nut</td> <td>washer, spring wavy</td> <td></td> </tr> </tbody> </table>			i-Alert 2 Bluetooth Monitor			Oil gearbox ISO 220 viscosity	gasket gearbox	cover blind	impeller & shaft drive	impeller & shaft driven	ball bearing	roller bearing	lip seal	lip seal	gear nut	washer, spring wavy	
i-Alert 2 Bluetooth Monitor																	
Oil gearbox ISO 220 viscosity	gasket gearbox	cover blind															
impeller & shaft drive	impeller & shaft driven	ball bearing															
roller bearing	lip seal	lip seal															
gear nut	washer, spring wavy																
Inspection Reviewed By	Rick Ramey	Date 7/8/2021															



MEMORANDUM

TO: CHAIRMAN AND BOARD MEMBERS
GLENPOOL UTILITY TRUST AUTHORITY

FROM: LYNN BURROW, PE
COMMUNITY DEVELOPMENT DIRECTOR

RE: REQUEST FOR EQUIPMENT REPLACEMENT RELATED TO THE
GLENPOOL WASTEWATER TREATMENT PLANT

DATE: AUGUST 2, 2021

BACKGROUND

This item is for Board consideration and action regarding the approval to purchase two new chemical feed pumps and related equipment associated with the Glenpool Wastewater Treatment Plant. The attached quotes have been received from Environmental Improvements, Inc. covering the equipment purchase and on-site installation. The two separate chemical pumps involved with this proposal will serve as back-up units at the treatment plant and at the effluent discharge location near the Arkansas River. These pumps are set to automatically come on-line in the event one of the primary units experiences a failure of some nature. This type of redundancy is a requirement of ODEQ as part of the normal operation of the existing treatment process the discharge permit the plant operates under. The attached proposals received from Environmental Improvements, Inc. cover the equipment and installation costs associated with the replacement of either the original equipment brand pumps at a cost of \$23,039.00 or the cost of a comparable brand of pump unit at a lower cost of \$17,079.00. Staff has reviewed both quotes and recommends the installation of the lesser cost units due to the likelihood these units will be replaced or eliminated as part of the design and construction of a totally new treatment facility in the next several years. The purchase and installation of these two pumping units is proposed to be funded from the FY 2021/2022 Annual Budget under item No. 2-6-16-6272 (Equipment Repair and Maintenance).

Staff Recommendation:

Staff recommends Board approval of the equipment replacement quote from Environmental Improvements, Inc. in the total amount of \$17,079.00 and recommends authorization be given to the City Manager to execute the corresponding Purchase Quote and to make payment to this company upon satisfactory delivery and installation.

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;

Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4

City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight

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Attachment:

- A. Proposals: Environmental Improvements, Inc.

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

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Lynn Burrow

From: Kyle Hughes
Sent: Friday, July 16, 2021 8:43 AM
To: Lynn Burrow
Subject: Chemical Pumps
Attachments: TITLE 252. DEPARTMENT OF ENVIRONMENTAL QUALITY.pdf

We are needing to purchase two new chemical pumps for the treatment of the wastewater that we discharge into the Arkansas river, per ODEQ regulations TITLE 252. DEPARTMENT OF ENVIRONMENTAL QUALITY CHAPTER 656. WATER POLLUTION CONTROL FACILITY CONSTRUCTION STANDARDS SUBCHAPTER 21. DISINFECTION STANDARDS, (E) REDUNDANCY: ALL DISINFECTION SYSTEMS SHALL HAVE THE FOLLOWING 1. STANDBY EQUIPMENT TO REPLACE THE LARGEST UNIT; 2. A SEPARATE BACKUP POWER SUPPLY; AND 3. SPARES FOR ALL PARTS THAT MAY BREAK OR WEAR.

At the sewer plant and the dichlorination building at the river we only have one chemical pump each. that is why we are asking for the purchases of the new pumps. without the backup pumps if one goes down, we will not be able to disinfect the water we discharge and will be in violation of our discharge permit.

Thanks, any questions please email or call
Kyle Hughes Plant Superintendent
918-852-3831



Phone (405) 562 5436 Fax (405) 757 2347
755 W. Covell, Suite 170, Edmond, OK 73003

TOTAL COST
\$17,079.00

*****QUOTATION*****

TO: City of Glenpool

DATE: 7-7-21

PAGES: 1

ATTN.: Cody Harris

MAKE P.O. ORDER

TO: Environmental Improvements
inc.

REF: Watson Marlow Qdos 60
pump for Bleach

F.O.B.: Factory – PPA

TERMS: Net 30 Days with Approved Credit

BY: Todd Ray
(918) 625-5137
tray@ei2ok.com

DELIVERY: TBD

ENGINEER: None

ANY PURCHASE ORDER ISSUED AS A RESULT OF THIS QUOTATION IS SUBJECT TO ALL OF
THE MANUFACTURER'S CONDITIONS AND FINAL ACCEPTANCE BY THE MANUFACTURER

QTY	DESCRIPTION	NET COST EACH	Extended Cost
1	Qdos 60 Universal+ 24VDC/115VAC (4) Relay pump 60l/hr 4 bar, 60 PSI ReNu pumphead to the right #0M0.385R.GRA	\$4,272.00	\$4,272.00
1	ReNu pumphead - Spare - SEBS Tubing with PFPE Lubricant 0M3.3800.PFP	\$320.00	\$320.00
1	Interface tubing 5m length 10mm ID 16mm OD PVC tubing 0M9.2225.VAD	\$50.00	\$50.00
2	PVDF Compression Fitting - 16mm OD x 1/2" MNPT 10-10-8-K-PG	\$15.00	\$30.00
	Shipping included in price		
	TOTAL		\$4,672.00

❖ Please Note Pricing is Valid for Thirty- (30) Days from the date of quotation.

Should you have any questions, comments, or need further information please feel free to contact me.

Respectfully,

Todd Ray

**SUGGESTED
ALTERNATIVE BRAND
OF EQUIPMENT**



Phone (405) 562 5436 Fax (405) 757 2347
755 W. Covell, Suite 170, Edmond, OK 73003

QUOTATION

TO: *City of Glenpool*

DATE: 7-7-21

PAGES: 1

ATTN.: *Cody Harris*

MAKE P.O. ORDER

TO: Environmental Improvements inc.

REF: **Watson Marlow Qdos 60 pump for Bisulfate**

F.O.B.: Factory – PPA

TERMS: Net 30 Days with Approved Credit

BY: Todd Ray
(918) 625-5137
tray@ei2ok.com

DELIVERY: TBD

ENGINEER: None

ANY PURCHASE ORDER ISSUED AS A RESULT OF THIS QUOTATION IS SUBJECT TO ALL OF THE MANUFACTURER'S CONDITIONS AND FINAL ACCEPTANCE BY THE MANUFACTURER

QTY	DESCRIPTION	NET COST EACH	Extended Cost
1	Qdos 60 Universal+ 24V Relay pump 60l/hr 7bar, 100 PSI ReNu pumphead to the Left #0M0.325R.GLA	\$4,272.00	\$4,272.00
1	Spare Santoprene pump head #0M3.3200.PFP	\$320.00	\$320.00
1	Simplex Qdos chemical feed skid (Opening Left)	\$3,500.00	\$3,500.00
	Shipping included in price		
	TOTAL		\$8,092.00

❖ Please Note Pricing is Valid for Thirty- (30) Days from the date of quotation.

Should you have any questions, comments, or need further information please feel free to contact me.

Respectfully,

Todd Ray



Phone (405) 562 5436 Fax (405) 757 2347
755 W. Covell, Suite 170, Edmond, OK 73003

*****QUOTATION*****

TO: *City of Glenpool*

DATE: 7-7-21

PAGES: 1

ATTN.: *Cody Harris*

MAKE P.O. ORDER

TO: [Environmental Improvements
inc.](#)

REF: **Environmental
Improvements Services
Equipment Installation**

F.O.B.: Factory – PPA

TERMS: Net 30 Days with Approved Credit

BY: **Todd Ray**
(918) 625-5137
tray@ei2ok.com

DELIVERY: TBD

ENGINEER: None

ANY PURCHASE ORDER ISSUED AS A RESULT OF THIS QUOTATION IS SUBJECT TO ALL OF
THE MANUFACTURER'S CONDITIONS AND FINAL ACCEPTANCE BY THE MANUFACTURER

QTY	DESCRIPTION	NET COST EACH	Extended Cost
1	Day service technician site visit	\$4,315.00	\$4,315.00
	Includes: Installation of (1) Sodium Bisulfite Qdos pump and Qpod skid. Installation of (1) Bleach Qdos 60 pump on existing skid PVC pipe, fittings needed, and additional tubing is included with installation Meals, travel and hotel is also included.		
	TOTAL		\$4,315.00

❖ Please Note Pricing is Valid for Thirty- (30) Days from the date of quotation.

Should you have any questions, comments, or need further information please feel free to contact me.

Respectfully,

Todd Ray



Phone (405) 562 5436 Fax (405) 757 2347
755 W. Covell, Suite 170, Edmond, OK 73003

Total Cost:
\$23,039.00

QUOTATION

TO: *City of Glenpool*

DATE: 7-21-21

PAGES: 1

ATTN.: *Cody Harris*

MAKE P.O. ORDER

TO: *Environmental Improvements
inc.*

REF: **Watson Marlow 530 pumps
for Bleach and Bisulfate**

F.O.B.: Factory – PPA

TERMS: Net 30 Days with Approved Credit

BY: *Todd Ray*
(918) 625-5137
tray@ei2ok.com

DELIVERY: TBD

ENGINEER: None

ANY PURCHASE ORDER ISSUED AS A RESULT OF THIS QUOTATION IS SUBJECT TO ALL OF
THE MANUFACTURER'S CONDITIONS AND FINAL ACCEPTANCE BY THE MANUFACTURER

QTY	DESCRIPTION	NET COST EACH	Extended Cost
2	530U/REL pump for Bleach and Bisulfate 625rpm #050.9141.ELA	\$8,250.00	\$16,500.00
2	Float Style Leak Detector #059.8131.000	\$680.00	\$1,360.00
4	Marprene TM Loadsure elements #902.0064.PFQ	\$115.00	\$460.00
4	Quick Release with 1/2" MNPT - Single Shutoff with Viton Seals	\$101.00	\$404.00
	Shipping included in price		
	TOTAL		\$18,724.00

❖ Please Note Pricing is Valid for Thirty- (30) Days from the date of quotation.

Should you have any questions, comments, or need further information please feel free to contact me.

Respectfully,

Todd Ray

ORIGINAL BRAND
OF PUMP EQUIPMENT



Phone (405) 562 5436 Fax (405) 757 2347
755 W. Covell, Suite 170, Edmond, OK 73003

*****QUOTATION*****

TO: *City of Glenpool*

DATE: 7-7-21

PAGES: 1

ATTN.: *Cody Harris*

MAKE P.O. ORDER

TO: [Environmental Improvements inc.](#)

REF: **Environmental
Improvements Services
Equipment Installation**

F.O.B.: Factory – PPA

TERMS: Net 30 Days with Approved Credit

BY: **Todd Ray**
(918) 625-5137
tray@ei2ok.com

DELIVERY: TBD

ENGINEER: None

ANY PURCHASE ORDER ISSUED AS A RESULT OF THIS QUOTATION IS SUBJECT TO ALL OF
THE MANUFACTURER'S CONDITIONS AND FINAL ACCEPTANCE BY THE MANUFACTURER

QTY	DESCRIPTION	NET COST EACH	Extended Cost
1	Day service technician site visit	\$4,315.00	\$4,315.00
	Includes: Installation of (2) Bleach Qdos 60 pump on existing skid PVC pipe, fittings needed, and additional tubing is included with installation Meals, travel and hotel is also included.		
	TOTAL		\$4,315.00

❖ Please Note Pricing is Valid for Thirty- (30) Days from the date of quotation.

Should you have any questions, comments, or need further information please feel free to contact me.

Respectfully,

Todd Ray

environmental EI² improvements, inc.

517 North Kealy Ave., Lewisville, Tx 75057
t. 972-436-2536 f. 972-436-8670

QUOTE

QUOTE #: COG072621

Date: 02/02/2021

BILL TO	SHIP TO	SALES CONTACT
---------	---------	---------------

City of Glenpool

Jimmy Carnes

Environmental Improvements Service

517 N. Kealy Lewisville TX 75057

972-849-1547

jcarnes@ei2dallas.com

Phone:
Fax:

Phone:
Email:

SHIP VIA	PAYMENT TERMS	ESTIMATED SHIP DATE	EXPIRATION DATE
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Best Way

30 Days

60 Days

QTY	PART #	MFR	DESCRIPTION	UNIT PRICE	EXT. PRICE
16	EI2 Labor		Field Service	\$125.00	\$2,000.00
8	Drive Time		Drive Time	\$100.00	\$800.00
1			Materials	\$815.00	\$815.00
1			Hotel and Per Deim	\$700.00	\$700.00

SUBTOTAL	\$4,315.00
TAX	
TOTAL	\$4,315.00

Print

Signature

Date

IF AN ORDER IS PLACED, PLEASE VERIFY THAT THE "BILL TO" AND "SHIP TO" ADDRESSES LISTED ABOVE ARE CORRECT. ENVIRONMENTAL IMPROVEMENTS, INC. MUST HAVE A NAME AND PHONE NUMBER OF A JOB SITE CONTACT THAT WILL ACCEPT THE SHIPMENT; IN ADDITION TO 1 OF 3 OPTIONS LISTED BELOW BEFORE THE ORDER CAN BE PROCESSED.

1. CREDIT CARD ORDER - CUSTOMER MUST SUPPLY CARD NUMBER, SECURITY CODE ON BACK OF CARD, EXPIRATION DATE, NAME ON CARD, BILLING ADDRESS, PHONE NUMBER AND EMAIL. CUSTOMER MUST SIGN AND DATE QUOTE THEN RETURN FOR PROCESSING.
2. VERBAL PURCHASE ORDER - CUSTOMER MUST SIGN AND DATE QUOTE THEN RETURN FOR PROCESSING.
3. PURCHASE ORDER NUMBER - CUSTOMER MUST SUPPLY SIGNED AND DATED HARD COPY OF PURCHASE ORDER OR WRITE PURCHASE ORDER NUMBER ON ORIGINAL EI2 QUOTE. CUSTOMER MUST SIGN AND DATE QUOTE THEN RETURN FOR PROCESSING.



To: Chair and Trustees

From: David Tillotson, City Manager

Date: July 29, 2021

Re: Kendalwood North Park Drainage Improvement Project

Background:

During the July 6th City Council meeting, the Council unanimously accepted the bid for drainage improvements to the Kendalwood North Park in the amount of \$102,200 and approved the contract with JE Dirt Wurx, LLC for this project. As you may recall, I commented during the staff presentation that the account number listed on the agenda was incorrect. After some research into the issue, I determined that this project should have been approved by the Glenpool Utility Services Authority. Since this project is one of the DEQ approved Supplemental Environmental Projects covered by our Consent Agreement, we budgeted the funds from GUSA. As such, we need to request approval from GUSA before we move forward with the project.

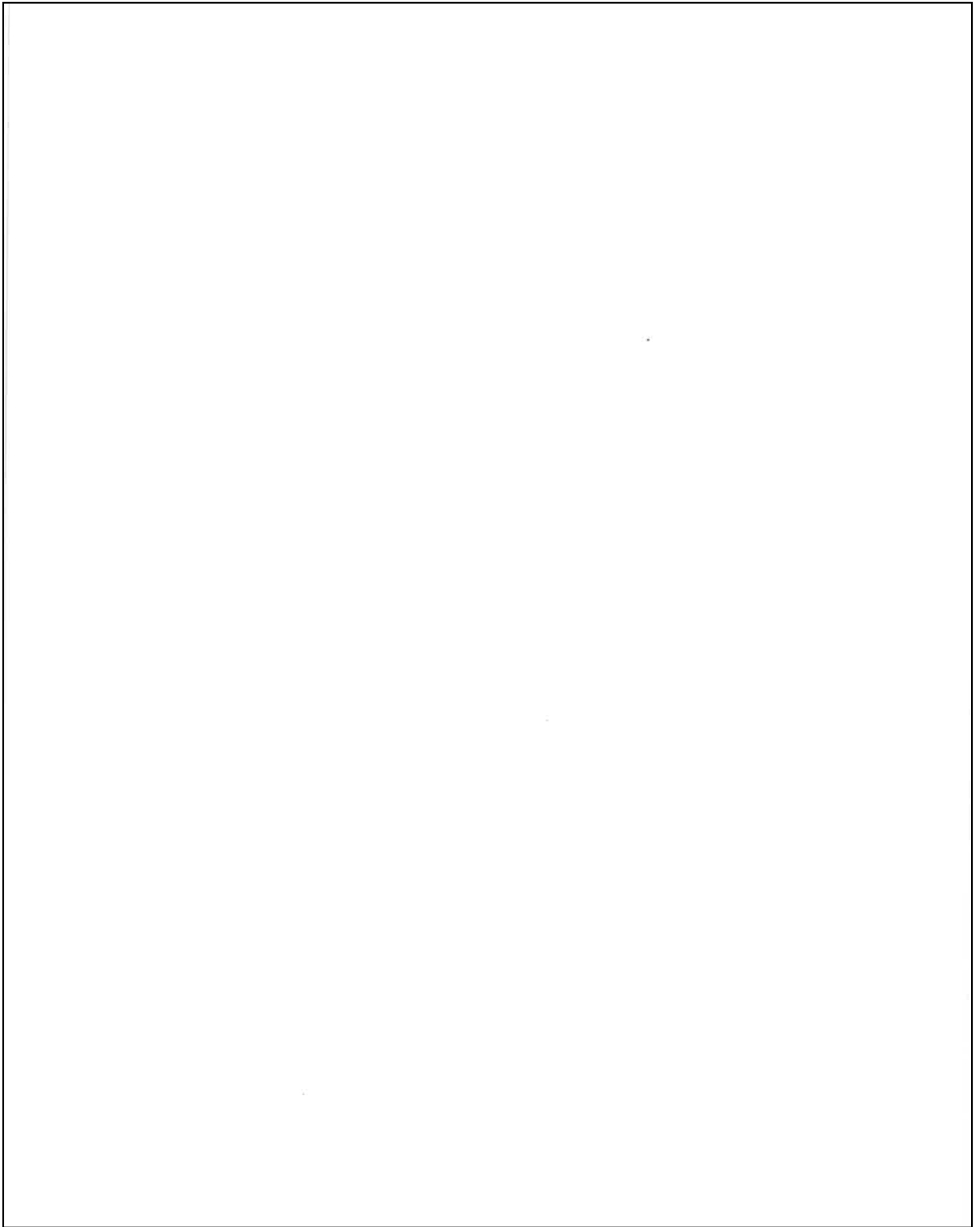
Staff Recommendation:

- Staff recommends that the GUSA Board ratify the actions of the City Council regarding this project.

Attachments:

- July 6th City Council Agenda Staff Report on the Drainage Improvement Project

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641
Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;
Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4
City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight
www.glenpoolonline.com





MEMORANDUM

TO: HONORABLE MAYOR and CITY COUNCIL

FROM: LYNN BURROW, PE
COMMUNITY DEVELOPMENT DIRECTOR

RE: CONSTRUCTION CONTRACT CONSIDERATION
KENDALWOOD NORTH PARK: DRAINAGE IMPROVEMENT
PROJECT

DATE: JULY 6, 2021

BACKGROUND

This item is for Council consideration and action regarding the review and approval of a Construction Contract Bid submitted to the City by JE Dirt Wurx, Inc in the total amount of \$102,200.00 covering various drainage improvements designed for Kendalwood North Park. The attached Bid Tabulation results from the construction bid process that was advertised per the attached publication with bids received and publicly read on June 17th. As noted in the Bid Tabulation, bids were submitted by five (5) different construction contractors with total prices ranging from a low of \$102,200.00 to a high of \$351,649.00. As the Council recalls, this park improvement plan was submitted to and approved by ODEQ as a Special Environmental Project (SEP). The approval of a concept drainage improvement plan was a result of City negotiations with ODEQ pertaining to the monetary fine assessed the City arising from discharge permit violations involving the City's wastewater treatment plant.

Note that the attached construction documents illustrate and detail various onsite re-grading, above and below grade drainage improvements, and the re-configuration of existing park facilities based on the conceptual Master Plan for the park developed by Greg Helms Architects. The attached Master Plan illustrates our effort to convert the existing park facility to one that contains many more user-friendly and ADA compliant type playground structures including other recreational uses. The proposed Master Plan improvements include a softball practice field, various pavilion structures, a basketball court, and a dog-park facility – all supported by the existing walking trail, new site security lighting, and a certain amount of off-street vehicle parking. The site grading and drainage improvement project is the first step in converting the existing public park into the type of facility envisioned by the Master Plan. It should be noted that the proposed SEP was approved by ODEQ with the requirement that the drainage improvements be designed, contracted for, and completed by October 1st, 2021.

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641
Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;
Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4
City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight
www.glenpoolonline.com

The attached Engineers Recommendation received from Midwest Engineering Group recommends Council approval of the bid received from JE Dirt Wurx, Inc. It should be noted that this project is to be funded from the approved FY 2021/2022 Annual Budget under Account No. 01-6-14-6275 (Park Improvements)

Staff Recommendation:

Staff has reviewed the Bid Document Package received from JE Dirt Wurx, Inc. and agrees with the Project Engineer's recommendation regarding the award of the project to this company based on qualifications and the bid pricing submitted. Therefore, Staff recommends Council approval and acceptance of the Contract Bid as submitted in the total amount not to exceed \$102,200.00 and authorize the City Manager to issue the Notice of Award and to execute a Contract Agreement for same on behalf of the City of Glenpool.

Attachments:

- A. Construction Contract Bid Tabulation
- B. Engineer's Recommendation
- C. Notice of Award
- D. Publisher's Affidavit
- E. Bid Document Package from JE Dirt Wurx, Inc.
- F. Drainage Improvement Construction Documents:
- G. Kendalwood North Park Master Plan

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;

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City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight

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BASE BID - no Addendums

No.	Item	Unit	Est Quantity	Engineer's Estimate		JE Unit Wurx, LLC		Bison Civil, LLC		D Owen Construction, LLC		DT Specialized Services, Inc.		Weldon Construction Company, LLC	
				Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
1	Construction Staking	LS	1	\$ 5,500.00	\$ 5,500.00	\$ 2,000.00	\$ 2,000.00	\$ 6,500.00	\$ 6,500.00	\$ 5,250.00	\$ 5,250.00	\$ 5,000.00	\$ 5,000.00	\$ 6,000.00	\$ 6,000.00
2	Excavation, Embankment and Subgrade	LS	1	\$ 40,000.00	\$ 40,000.00	\$ 45,700.00	\$ 45,700.00	\$ 100,000.00	\$ 100,000.00	\$ 68,750.00	\$ 68,750.00	\$ 279,139.00	\$ 279,139.00	\$ 43,300.00	\$ 43,300.00
3	Connect to Existing Precast Storm Structure	EA	1	\$ 3,500.00	\$ 3,500.00	\$ 1,500.00	\$ 1,500.00	\$ 3,500.00	\$ 3,500.00	\$ 2,150.00	\$ 2,150.00	\$ 800.00	\$ 800.00	\$ 625.00	\$ 625.00
4	15" HDPE PIPE	LF	308	\$ 50.00	\$ 15,400.00	\$ 15,400.00	\$ 15,400.00	\$ 67.50	\$ 20,790.00	\$ 45.00	\$ 13,860.00	\$ 44.00	\$ 12,695.00	\$ 156.25	\$ 48,125.00
5	18" NYLOPLAST Basin Assemblies	EA	4	\$ 2,500	\$ 10,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,875.00	\$ 14,700.00	\$ 4,195.00	\$ 16,780.00	\$ 2,357.00	\$ 9,438.00	\$ 3,000.00	\$ 12,000.00
6	24" NYLOPLAST Basin Assembly	EA	1	\$ 3,050	\$ 3,050.00	\$ 4,000.00	\$ 4,000.00	\$ 5,842.00	\$ 23,440.00	\$ 4,570.00	\$ 17,500.00	\$ 4,498.00	\$ 17,500.00	\$ 2,700.00	\$ 2,700.00
7	Asphalt Pavement Patch Existing Walking Trail	SY	20	\$ 35	\$ 700.00	\$ 100.00	\$ 100.00	\$ 122.00	\$ 2,440.00	\$ 37.50	\$ 750.00	\$ 300.00	\$ 750.00	\$ 125.00	\$ 2,500.00
8	SEEDING/EROSION CONTROL	LS	1	\$ 20,000	\$ 20,000.00	\$ 17,500.00	\$ 17,500.00	\$ 20,000.00	\$ 20,000.00	\$ 17,500.00	\$ 17,500.00	\$ 37,650.00	\$ 37,650.00	\$ 7,000.00	\$ 7,000.00
Total of All Unit Price Bid Items					\$98,150.00		\$102,199.48		\$173,772.00		\$129,610.00		\$351,640.00		\$122,250.00



June 24, 2021

VIA EMAIL

Lynn Burrow, Director of Community Development
City of Glenpool, GUSA
12205 S Yukon Avenue
Glenpool, OK 74033

Re: City of Glenpool, Oklahoma Drainage Improvement Project for Kendalwood North

Lynn,

Midwest Engineering Group, LLC reviewed the contractor's bid responses received at the bid opening in Glenpool, OK on June 17, 2021 and found them to be consistent with the information requested. Based on this available information, Midwest Engineering Group, LLC recommends that City of Glenpool, GUSA awards the contract for the Drainage Improvement Project for Kendalwood North to the lowest responsive responsible bidder, which is JE Dirt Wurx LLC.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Danny Coltrane'.

Danny Coltrane, P.E.
Midwest Engineering Group, LLC

25A North Main, Sapulpa, OK 74066

Tel: 918.264.9405

Affidavit of Publication

TULSA BEACON
P.O. Box 35099
Tulsa, Oklahoma, 74153
(918) 523-4425

Published in the Tulsa Beacon newspaper,
in Tulsa County, in the State of Oklahoma,
on June 3 and 10, 2021.

ADVERTISEMENT FOR BIDS

KENDALWOOD PARK NORTH
DRAINAGE IMPROVEMENT
PROJECT FOR
GLENPOOL UTILITY SERVICES
AUTHORITY CITY OF
GLENPOOL, OK

MIDWEST ENGINEERING GROUP
PROJECT #: 2021-GLENPOOL-07-001

I, Susan Biggs, of lawful age, being duly sworn upon oath, deposes and says: That I am the Office Manager of the Tulsa Beacon, a Weekly newspaper printed and published in the City of Tulsa, County of Tulsa, and State of Oklahoma, and that the advertisement referred to, a true and printed copy is hereunto attached, was published in said Tulsa Beacon in consecutive issues on the following dates to wit:

1st Insertion	June 3, 2021	Advertisement for Bids City of Glenpool
2nd Insertion	June 10, 2021	Kendalwood Park North Drainage Improvement

That said newspaper has been published continuously and uninterruptedly in said county during a period of one-hundred and four consecutive weeks prior to the publication of the attached notice or advertisement; that it has been admitted to the United States mail as publications (second-class) mail matter, that it has a general paid circulation, and publishes news of general interest, and otherwise conforms with all of the statutes of the State of Oklahoma governing legal publications.

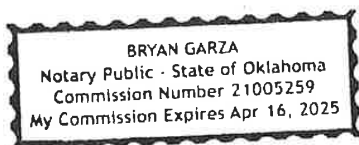
Publication Fee \$ 215.59

Susan E Biggs
Editor, Publisher or Authorized Agent

SUBSCRIBED and sworn to before me this 10th day of

June, 2021.
Bryan Garza
Notary Public

My commission expires: Apr. 16, 2025.



Scaled Bids for the construction of the KENDALWOOD PARK NORTH DRAINAGE IMPROVEMENT PROJECT (Project) will be received, by Glenpool Utility Services Authority at the office of the City of Glenpool Community Development Department at 12205 South Yukon Avenue, Glenpool, Oklahoma until 2:00 PM local time on June 17th, 2021, at which time the Bids received will be publicly opened and read.

The project consists of the drainage improvements of an existing park known as the "Kendalwood Park North". The drainage improvements will consist of regrading of the site, adding ditches, trapezoidal channels and an underground stormwater conveyance pipe network. The underground stormwater conveyance pipe network will consist of 15" HDPE pipe and series of drain basins that will connect into an existing stormwater system along S. Poplar Pl. The project will also include erosion control measures for grading and drainage activities and a temporary construction entrance. The site shall be stabilized and planted to a satisfactory state established by the City of Glenpool, Oklahoma. The drainage improvements take into consideration future park improvements as outlined by the preliminary master site plan.

Bids will be received for a single prime Contract. Bids shall be on a lump sum and unit price basis, with additive alternate bid items as indicated in the Bid Form.

A non-mandatory pre-bid conference will be held on June 10th, 2021 at 2:00 PM local time at City of Glenpool Community Development Department at 12205 South Yukon Avenue, Glenpool, Oklahoma.

The Issuing Office for the Bidding Documents is: Drexel Technologies, Inc., 10840 W. 86th Street, Lenexa, Kansas, Phone: (913) 371-4430 or (888) 202-1301 Fax: (913) 371-7128, www.drexeltech.com.

Copies of plans and specifications can be seen or purchased for a Non-Refundable fee on-line at www.drexeltech.com in their eDistribution plan room, additional assistance is available at distribution@drexeltech.com. Information regarding this project can be found in the "Public Jobs" link on the website. Contractors desiring the Contract Documents for use in preparing bids may also obtain a set of such documents from Drexel Technologies, 10840 West 86th Street, Lenexa, KS 66214, telephone number is 913-371-4430. Bidding documents will be shipped only if the requesting party assumes responsibility for all related charges. Corporate, certified, or cashier's checks shall be made payable to Drexel Technologies, Inc.

Questions on the Bid Documents from general contractors and sub-contractors will be answered by written addendum through the office of the Consulting Engineer. Questions from produce suppliers or equipment suppliers will only be considered through general contractors and sub-contractors. Submit all questions about the meaning or intent of the Bidding Documents to Jeff Zimmerman of Midwest Engineering Group, LLC in writing or email jzimmerman@midwest-engineers.com or by phone at (816) 919-3329. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda delivered to all parties recorded as having received the Bidding Documents. Questions received less than ten days prior to the date for opening of Bids may not be answered. Request for consideration of "equivalent" products will only be considered in writing from general contractors and sub-contractors. No requests for alternate or "equivalent" products will be considered the ten (10) days prior to Bid opening. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

A certified check on a solvent bank or a bid bond by a satisfactory surety in an amount equal to 5% of the total amount of the bid must accompany each bid proposal as bid security.

No Bidder may withdraw a bid for a period of ninety (90) days from the date of opening bids.

All bidders are required to obtain plans and specifications from Drexel Technologies Plan Room and must be listed as a plan holder for the bid submitted to be valid. Any bidder not listed on the plan holders list will have their bid rejected.

Engineer's Contact Information:
Midwest Engineering Group L.L.C.
Jeff Zimmerman
25A N Main
Sapulpa, OK 74066
(616) 919-3329

Owner's Contact Information:
City of Glenpool, GUSA
Mr. Lynn Burrow,
Director of Community Dev.
12205 S. Yukon
Glenpool, OK 74033
(918) 322-5409



NOTICE OF AWARD

Date of Issuance:

Owner: GLENPOOL UTILITY SERVICES
AUTHORITY

Owner's Contract No.:

Engineer: MIDWEST ENGINEERING GROUP

Engineer's Project No.: 2021-GLENPOOL-07-001

Project: KENDALWOOD PARK NORTH DRAINAGE
IMPROVEMENT PROJECT

Contract Name:

Bidder:

J.E. Dirt Wurx, LLC

Bidder's Address: 1206 SE 15th Wagoner, OK 74467

TO BIDDER:

You are notified that Owner has accepted your Bid dated 06/24/2021 for the above Contract, and that you are the Successful Bidder and are awarded a Contract for:

"KENDALWOOD PARK NORTH DRAINAGE IMPROVEMENT PROJECT".

The Contract Price of the awarded Contract is: \$ 102,200.00 Dollars.

[3] unexecuted counterparts of the Agreement accompany this Notice of Award, and one copy of the Contract Documents accompanies this Notice of Award, or has been transmitted or made available to Bidder electronically.

☒ a set of the Drawings will be delivered separately from the other Contract Documents.

You must comply with the following conditions precedent within 15 days of the date of receipt of this Notice of Award:

1. Deliver to Owner [3] counterparts of the Agreement, fully executed by Bidder.
2. Deliver with the executed Agreement(s) the Contract security *[e.g., performance and payment bonds]* and insurance documentation as specified in the Instructions to Bidders and General Conditions, Articles 2 and 6.
3. Other conditions precedent (if any):

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within ten days after you comply with the above conditions, Owner will return to you one fully executed counterpart of the Agreement, together with any additional copies of the Contract Documents as indicated in Paragraph 2.02 of the General Conditions.

Owner:

Authorized Signature

By: David Tillotson

Title: City Manager

Copy: Engineer

EJCDC® C-510, Notice of Award.

Prepared and published 2013 by the Engineers Joint Contract Documents Committee.

Page 1 of 2

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

**GLENPOOL UTILITY SERVICES AUTHORITY
12205 S. YUKON
GLENPOOL, OKLAHOMA 74033**

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Advertisement for Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

Addendum No.

Addendum, Date

_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Federal, state and local Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the

EJCDC® C-410, Bid Form for Construction Contracts.

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effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.

- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an Incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

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ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

UNIT PRICE BASE BID

Base Bid					
Item No.	Description	Unit	Quantity	Bid Unit Price	Bid Price
1	Construction Staking	LS	1	2,000	2,000
2	Excavation, Embankment and Subgrade	LS	1	45,700	45,700
3	Connect to Existing Precast Storm Structure	EA	1	1,500	1,500
4	15" HDPE PIPE	LF	308	63.31	19,500
5	18" Nyloplast Basin Assemblies	EA	4	2,500	10,000
6	24" Nyloplast Basin Assembly	EA	1	4,000	4,000
7	Asphalt Pavement (Patch Existing Walking Trail)	SY	20	100	2,000
8	Seeding/Erosion Control	LS	1	17,500	17,500
Total of Base Bid Unit Price Bid Items					\$102,200.00

Note: The unit prices bid for this contract shall include all costs for labor, materials, and equipment required to satisfactorily furnish and complete the Work. Each unit price shall include full compensation for all equipment, material, labor, and other incidentals for performing the Work defined in the contract documents per line item. Payments shall be at the respective unit prices bid for the quantity of work performed. Payment for all work incidental to the satisfactory completion of the Work, not identified as a line item, shall be included in the unit prices for the various items as bid in the Bid Form. Unit prices have been computed in accordance with Paragraph 13.03 of the General Conditions.

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete within 45 calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 60 calendar days after the date when the Contract Times commence to run.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security in the form of a Bid Bond (EJCDC No. C-430) or Certified Check [circle type of security provided]
 - B. List of Proposed Subcontractors;
 - C. List of Proposed Suppliers;
 - D. List of Project References;
 - E. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;
 - F. Evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids;

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

- 9.01 This Bid is submitted by:

An Individual

BIDDER: [Typed or Printed]

By: _____

[Individual's Signature]

Doing Business As: _____

A Corporation

BIDDER: [Corporation Name Typed or Printed]

_____ JE Dirt Work LLC _____

State or Jurisdiction of Incorporation: _____ OKlahoma _____

Type: ☐ General Business ☐ Profession ☐ Services ☒ Limited Liability

By: _____

Josh Eidsen

Harold Freeman

[Signature of Corporate Secretary]

Name: [Typed or Printed]

Josh Eidsen

Title:

owner

Attest:

Harold Freeman

[Signature of Corporate Secretary]

Date of Qualification to do business in

7-20-11 Oklahoma

[State or other jurisdiction]

where Project is located is

7 / 13 / 11

A Partnership

BIDDER: [Partnership Name Typed or Printed]

By:

[Signature of general partner – attach evidence of authority to sign]

Name: [Typed or Printed]

A Joint Venture

BIDDER: [Joint Venture Name Typed or Printed]

First Joint Venture Name:

By:

[Signature of Joint Venture Partner – attach evidence of authority to sign]

Name: [Typed or Printed]

Title:



MERCHANTS BONDING COMPANY (MUTUAL) • MERCHANTS NATIONAL BONDING, INC.
2100 FLEUR DRIVE • DES MOINES, IOWA 50321-1158 • (800) 678-8171 • (515) 243-3854 FAX

Bid Bond

CONTRACTOR:

(Name, legal status and address)

J.E. Dirt Wurx, I.L.C.

1206 SE 15th
Wagoner, OK 74467

OWNER:

(Name, legal status and address)

City of Glenpool

12205 South Yukon
Glenpool, OK 74033

BOND AMOUNT: Five Percent of Total Amount Bid (5%)

PROJECT:

(Name, location or address, and Project number, if any)

Kendalwood Park, Grading and Drainage

SURETY:

(Name, legal status and principal place
of business)

Merchants National Bonding, Inc.
A Corporation
2100 Fleur Drive, Des Moines, IA 50321-1158

This document has important legal
consequences. Consultation with
an attorney is encouraged with
respect to its completion or
modification.

Any singular reference to
Contractor, Surety, Owner or
other party shall be considered
plural where applicable.

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 17th day of June, 2021

J.E. Dirt Wurx, I.L.C.

(Witness)

(Principal)

(Title)

(Seal)

Merchants National Bonding, Inc.

(Witness) Vicki Wilson

(Surety)

(Title) Carey Kennemer, Attorney-in-Fact

(Seal)

CON 0657 (6/12)

Printed in cooperation with American Institute of Architects (AIA). The language in this document conforms exactly to the language used in AIA Document A310-Bid Bond-2010 edition.

MERCHANTS
BONDING COMPANY™
POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa (herein collectively called the "Companies") do hereby make, constitute and appoint, individually, Bobby J Young; Carey Kenemer; Cathy Combs; Daniel A Woolsey; Deborah L Raper; Dwight A Pilgrim; Gary Liles; James Richardson; Jamie M Burris; John Kelly Deer; John McClellan; Michael Bettlach; Randy D Webb; Shell R Samsel; Stephen Poleman; Teresa A Smith; Travis E Brown; Vaughn Graham; Vaughn Graham Jr; Vicki Wilson

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 29th day of May, 2020

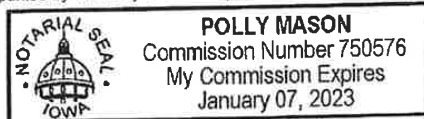


MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.

By *Larry Taylor*
President

STATE OF IOWA
COUNTY OF DALLAS ss.

On this 29th day of May, 2020, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.



Polly Mason
Notary Public

(Expiration of notary's commission
does not invalidate this instrument)

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 17th day of June, 2021



William Warner Jr.
Secretary

POA 0018 (1/20)

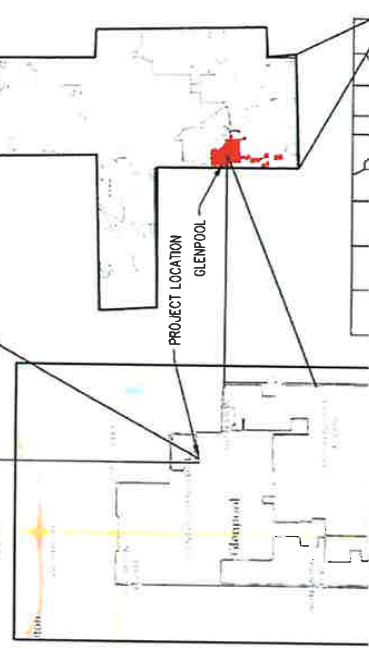
GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE CURRENT CITY OF GLENPOOL ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF GLENPOOL SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON HIS OWN RESPONSIBILITY OR AS THE CITY OF GLENPOOL MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
3. PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF GLENPOOL OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS.
6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCIDENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
9. THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF GLENPOOL TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE STREETS AND STORMWATER REPRESENTATIVE.
10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE CITY OF GLENPOOL, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE CITY OF GLENPOOL PRIOR TO BEGINNING WORK.
11. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
12. ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE CITY OF GLENPOOL. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
13. WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
14. ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE CITY OF GLENPOOL'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER FLOODING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.

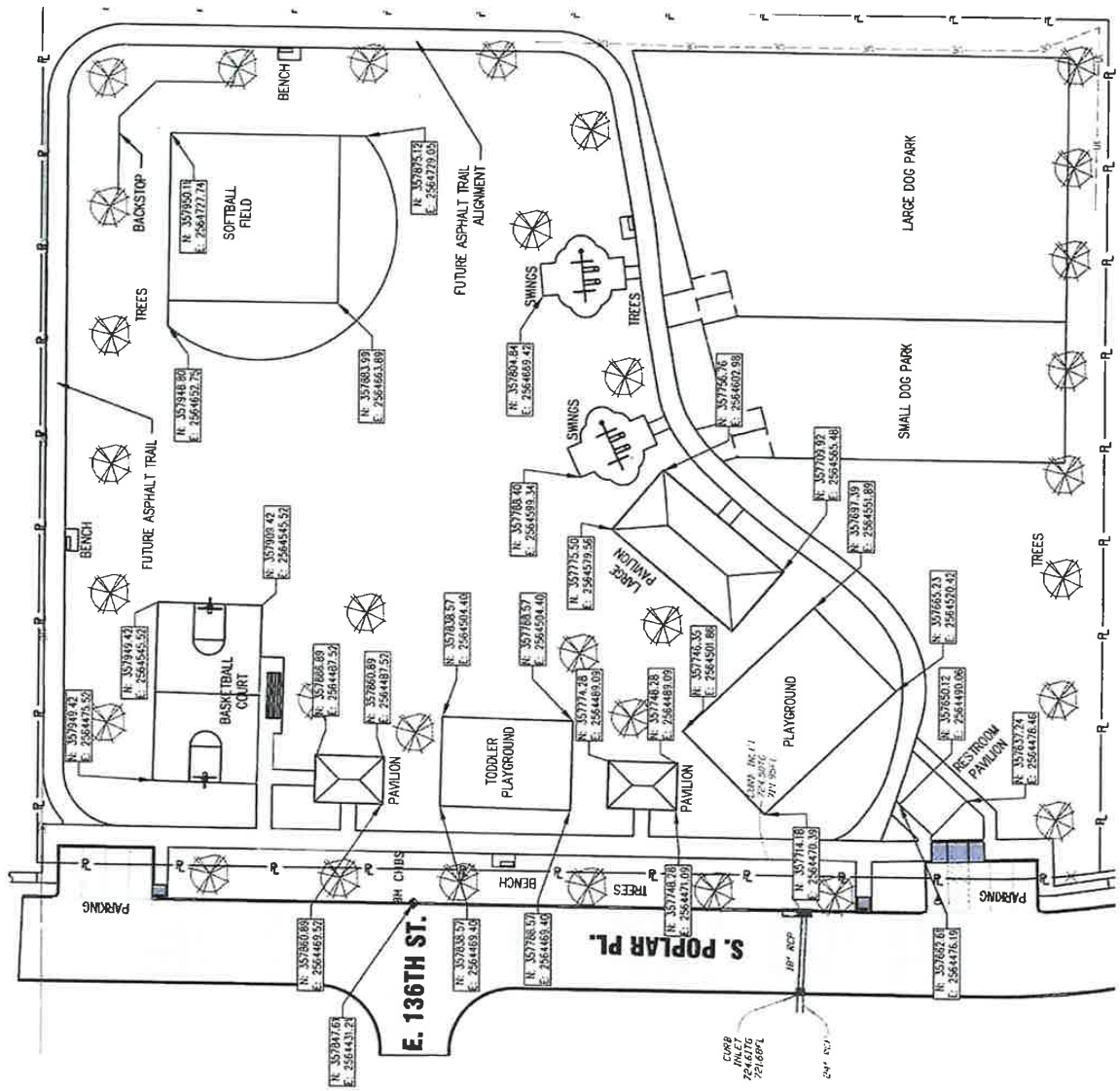
UTILITY OWNERS

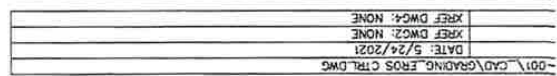
GAS - 800-458-4251 OKLAHOMA NATURAL GAS
ELECTRIC - 800-272-9741 OKLAHOMA GAS & ELECTRIC
918-758-0833 EAST CENTRAL ELECTRIC CO-OP (SOUTH)
WATER/SEWER - 918-322-5442 CITY OF GLENPOOL

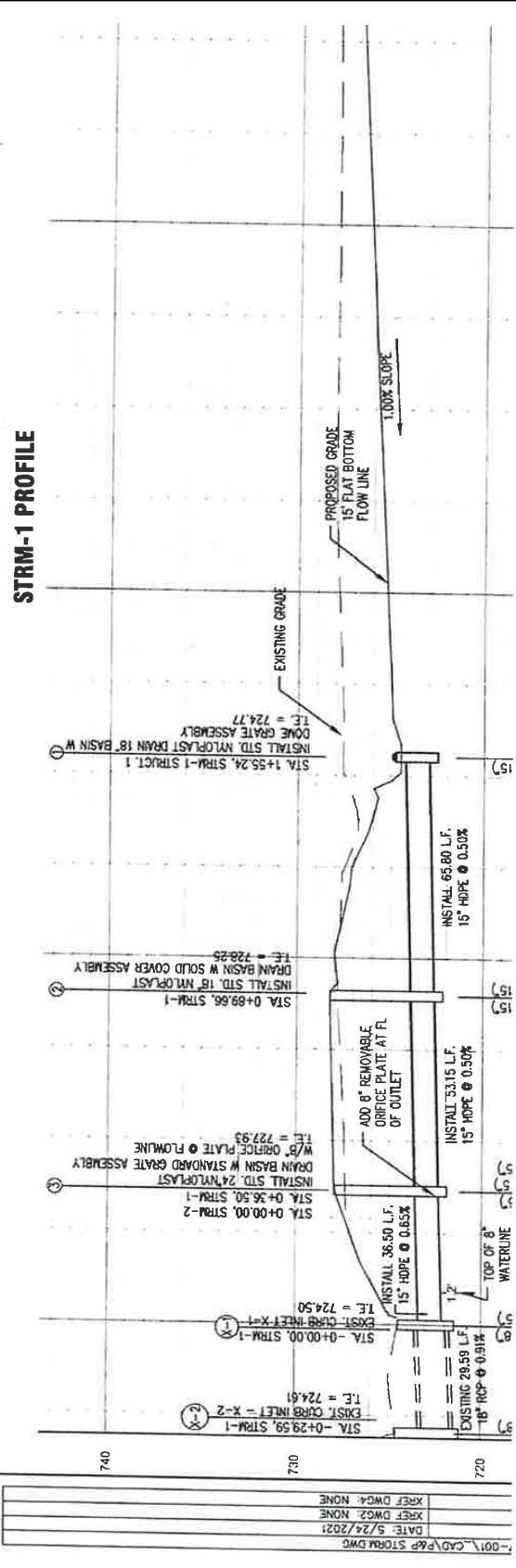
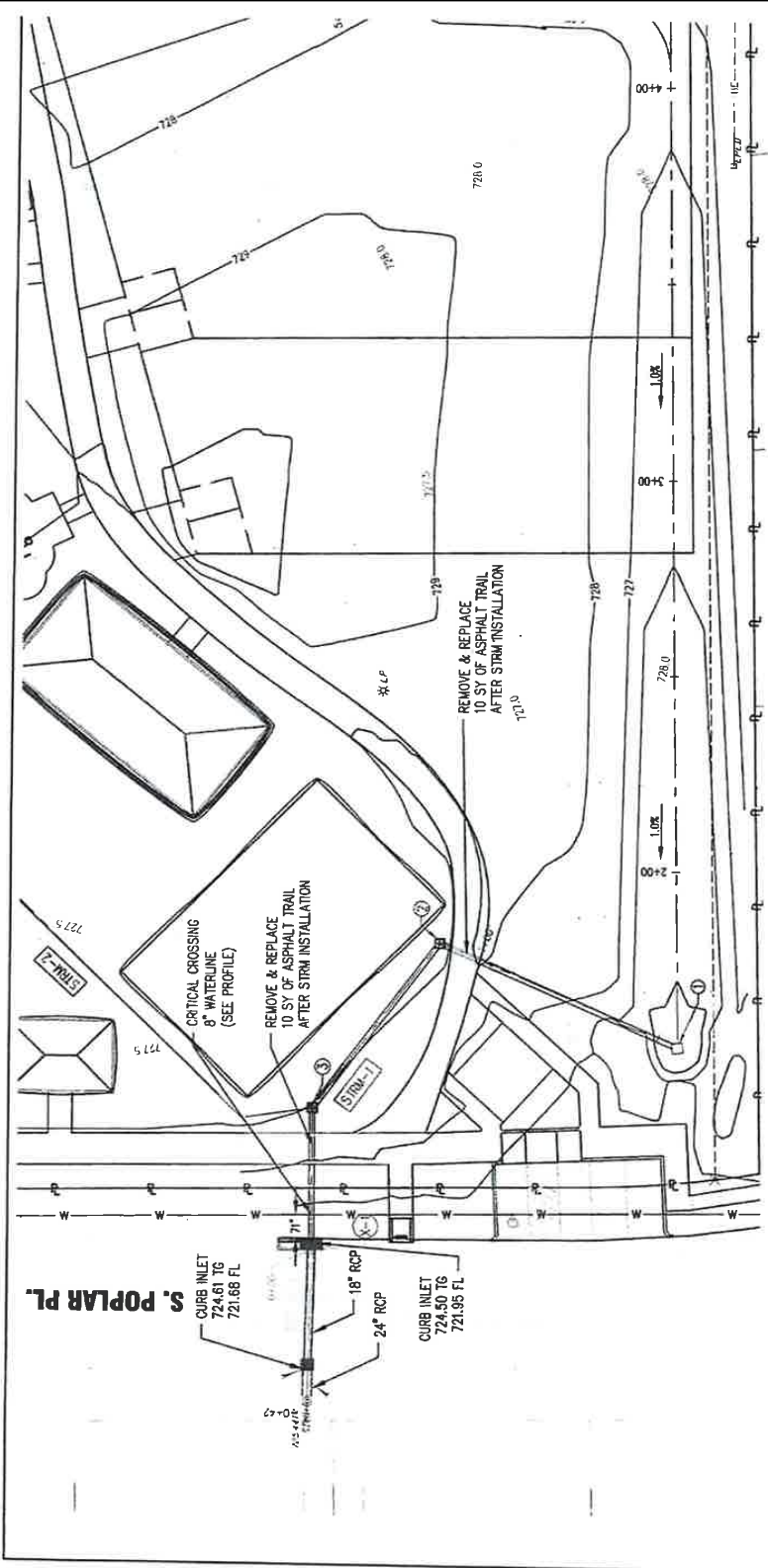
KENDALWOOD NORTH PARK DRAINAGE IMPROVEMENTS



001 CAD GENERAL LAYOUT.DWG	DATE: 5/24/2021	XREF DWG2: NONE	XREF DWG4: NONE
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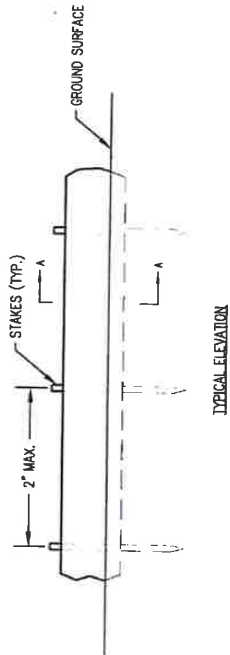
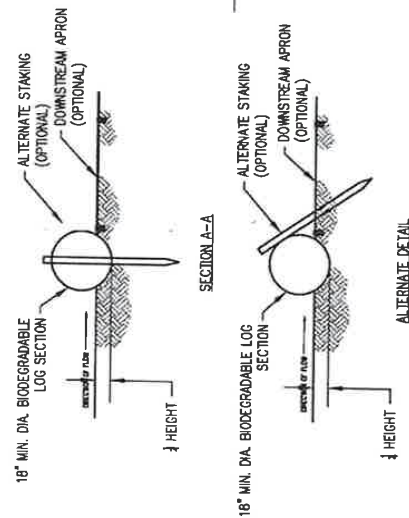


NOTES FOR WATTLES AND BIODEGRADABLE LOG SLOPE PROTECTION:

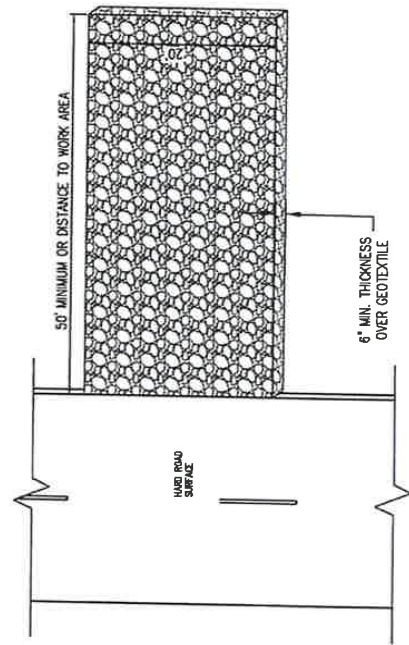
1. SLOPE INTERRUPTIONS SHALL BE PLACED ALONG CONTOUR LINES, WITH A SHORT SECTION TURNED UPGRADE AT EACH END OF THE BARRIER.
2. THE MAXIMUM LENGTH OF THE WATTLES OR LOGS SHALL NOT EXCEED 250 FEET, AND THE BARRIER ENDS SHALL BE STAGGERED.
3. INSTALL WATTLES AND BIODEGRADABLE LOGS PER MANUFACTURER'S INSTRUCTIONS.
4. SPACING OF STAKES PER MANUFACTURER'S INSTRUCTIONS WITH 2' MAX. SPACING. LENGTH OF STAKES SHALL BE A MINIMUM OF 2 TIMES THE DIAMETER OF THE LOG WITH MINIMUM OF 24".
5. WATTLES AND BIODEGRADABLE LOGS DAMAGED BY CONTRACTOR'S NEGLIGENCE, INCLUDING IMPROPER MAINTENANCE OR LACK OF MAINTENANCE, SHALL BE REPAIRED IMMEDIATELY BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
6. AGRICULTURAL PRODUCTS, SUCH AS NATIVE PRAIRIE HAY, USED FOR MULCHING AND EROSION CONTROL PRACTICES, EXCLUDING WOOD BASED MULCH, SHALL MEET THE NORTH AMERICAN WEED FREE FORAGE STANDARDS.

TABLE 2: PRODUCT			
SLOPE GRADIENT	12" SEDIMENT LOG OR 6" FILTER SOCK (F.T.)		20" SEDIMENT LOG OR 12" FILTER SOCK (F.T.)
	<4% 1:1 V	4% 1:1 V	6% 1:1 V
	40	50	60
	40	50	60

TABLE 3: BIODEGRADABLE LOG MATERIAL			
SLOPE GRADIENT	LOW FLOW		MEDIUM FLOW
	0-4%	4-10%	10-20%
	EXCLESUR / WOOD CHIPS / COCONUT FIBER	EXCLESUR / WOOD CHIPS / COCONUT FIBER	EXCLESUR / WOOD CHIPS / COCONUT FIBER
	EXCLESUR / WOOD CHIPS / COCONUT FIBER	EXCLESUR / WOOD CHIPS / COCONUT FIBER	EXCLESUR / WOOD CHIPS / COCONUT FIBER



WATTLES AND BIODEGRADABLE LOG
SCALE: NTS



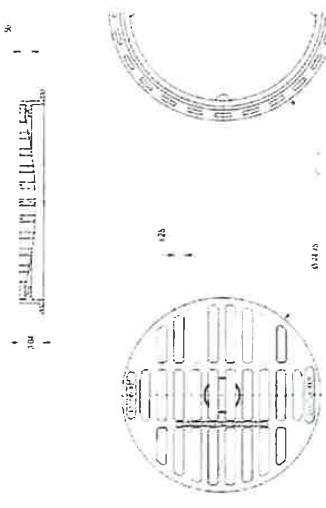
- NOTES:
1. INSTALL INSIDE TO START OF GRADING.
 2. USE 3 TO 5 INCH AGGREGATE STONE FOR COMMERCIAL APPLICATIONS AND 2 TO 3 INCH FOR RESIDENTIAL APPLICATION.

- CONSTRUCTION SPECIFIC:
1. POSTS WHICH SUPPORT SOURCE AND SPACED A
 2. SILT FENCE SHALL BE 1
 3. TRENCH IS FLAT AND PI
 4. THE TRENCH SHOULD BE AND BACKFILLED.
 5. SILT FENCE SHOULD BE THE FENCE POSTS, AND
 6. WOVEN WIRE SUPPORT, BE INSTALLED FOR FLOW
 7. INSPECTION SHALL BE F
 8. SILT FENCE SHALL BE R DRAINAGE.
 9. SEDIMENT TRAPPED BY SILT FENCE SHALL BE W

DATE: 5/24/2021	XREF DWG1: NONE
XREF DWG2: NONE	

2499CCGS

APPROX. 600 LBS. AREA - 10.43 SQ. FT.
APPROX. 100 GPM IN 10 MIN. - 1.04 CFS



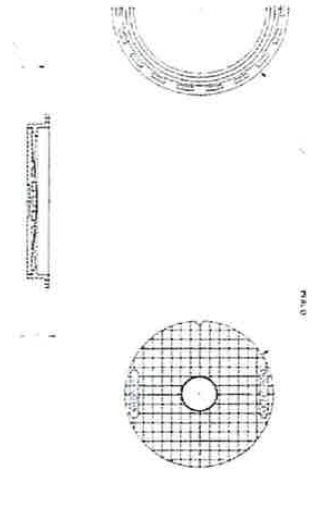
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10/1/20 10/1/20 10/1/20 10/1/20

DIMENSIONS ARE GIVEN IN FEET AND INCHES
ACTUAL DIMENSIONS MAY VARY
CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE
QUALITY MATERIALS SHALL BE USED TO CONFORM TO THE
PART. CASTINGS ARE TO BE MADE IN A CASTING
FACILITY THAT IS CAPABLE OF CASTING IN A
100% TEST

1899CCG

APPROX. 600 LBS. AREA - 10.43 SQ. FT.
APPROX. 100 GPM IN 10 MIN. - 1.04 CFS

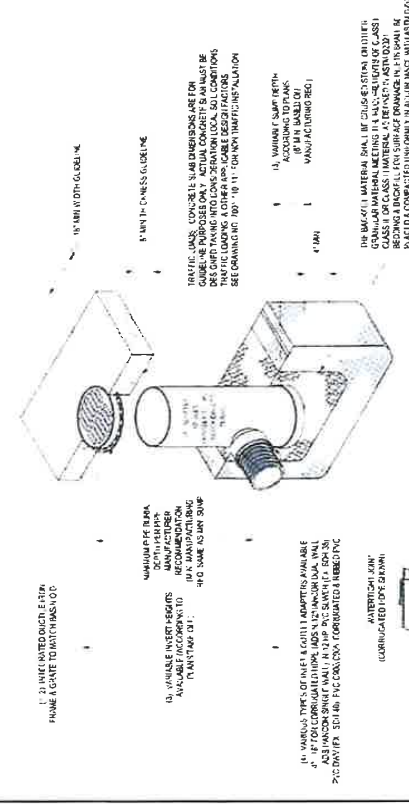


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NYLOPLAST 18" DRAIN BASIN: 2818AG X

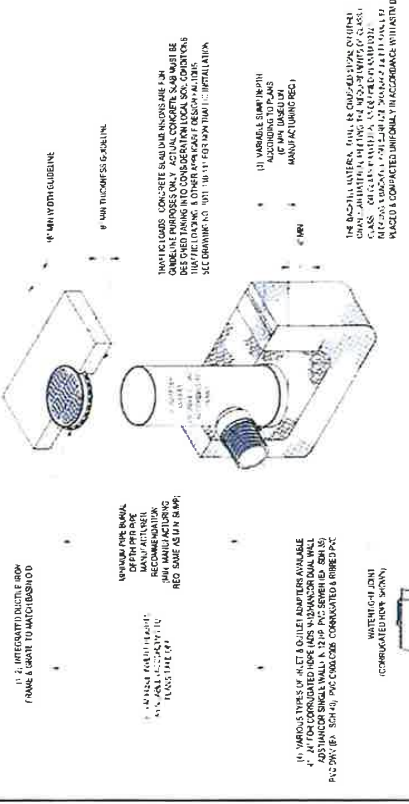


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10/1/20 10/1/20 10/1/20 10/1/20

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NYLOPLAST 24" DRAIN BASIN: 2824AG X

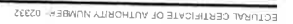


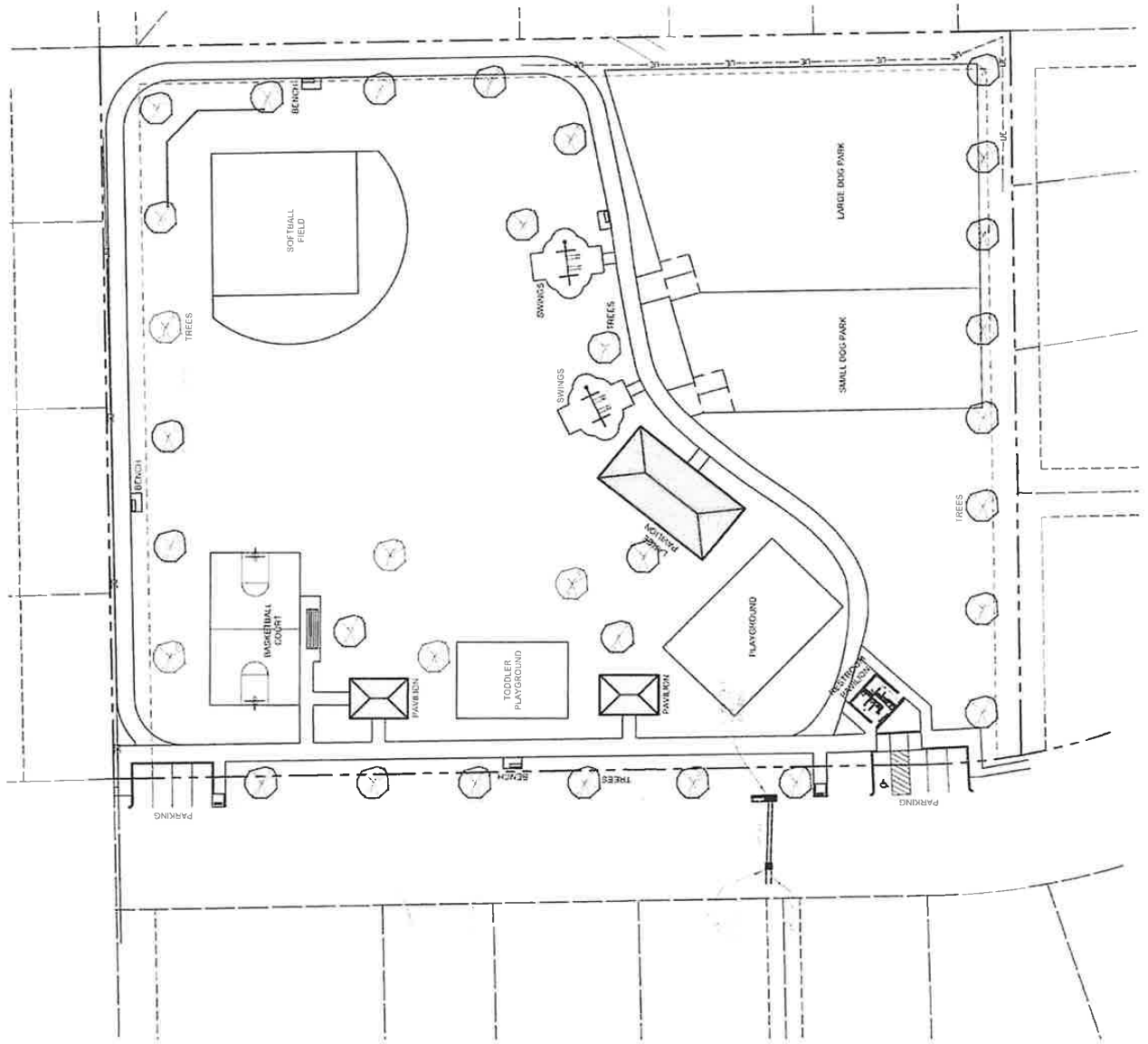
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10/1/20 10/1/20 10/1/20 10/1/20

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DATE: 5/24/2021
XREF DWG: NONE
XREF DWG: NONE





RECTORAL CERTIFICATE OF AUTHORITY NUMBER 02332

