City Commission Regular Meeting

Tuesday, December 03, 2024 at 6:00 PM
Commission Chambers, 124 S Bluff, Anthony, KS 67003

AGENDA

OPENING

- Welcome / Call to Order
- Invocation / Pledge of Allegiance
- Roll Call
- Approval of Agenda

PUBLIC COMMENT

Public Comment allows the public an opportunity to address the City Commission. There is a five minute per person limit on public comments.

CONSENT AGENDA

1. Approve November 19th, 2024 Regular Meeting Minutes
2. Approve November 21st, 2024 Special Meeting Minutes
3. Special Appropriations

   Fund #34 Street Improvements - EBH $1,321.81-Engineering CCLIP KA-6909-01
4. Appropriation Ordinance No 3203 $113,784.51
5. Approve 12.03.2024 Payroll $60,191.53
6. Approve Christmas Bonus Payroll $3,559.99
7. Approve Reappointment of Jim Eaton to the Library Board - Term to Expire 2029
8. Approve Reappointment to Transient Guest Tax Committee of Barbara Wright, Charlie Gipple, and Susan Croft - Terms to Expire 2028, and Brandon Bellesine - Term to Expire 2027
9. Resolution No. 1147 - Local Participation in Rural Opportunity Zone Match
10. Approve Pay Request #11 KDOT Project No. KA-6909-01 $1,321.81 EBH Engineering to EBH for FY25 CCLIP Main & Anthony
11. Approve November 2024 Court Report
12. Reappoint Kenny Hodson as City of Anthony Fire Chief

PUBLIC HEARINGS - NONE

REGULAR BUSINESS

13. Community IRA Grant - Anthony Tree Board, Bill Moyer
14. Request for Accessible Parking Stall - South Central DME, Cassie Reed
15. Anthony Water Sustainability Review - Terrane Resources, Ned Marks
16. KCC-40101d Grant
17. Auditor Renewal with Adams Brown

STAFF REPORTS

18. Administrator Report
19. Chief of police report
20. Department Reports

EXECUTIVE SESSION - NONE

ADJOURNMENT

Standing Committees:

a. Commissioner of Finance:	Jan Lanie – Sherrie Eaton (Vice)
b. Commissioner of Utilities Depts.:	Howard Hatfield – Eric Smith (Vice)
c. Commissioner of Parks, Police, Fire Dept.:	Sherrie Eaton – Howard Hatfield (Vice)
d. Commissioner of Street Dept., Airport:	Eric Smith – Jan Lanie (Vice)

City Commission Regular Meeting

Tuesday, November 19, 2024 at 6:00 PM
Commission Chambers, 124 S Bluff, Anthony, KS 67003

MINUTES

OPENING

- Welcome / Call to Order
- Invocation / Pledge of Allegiance
- Roll Call

PRESENT

Mayor Greg Cleveland
Commissioner Sherrie Eaton
Commissioner Jan Lanie
Commissioner Howard Hatfield

City Administrator Cyndra Kastens, Police Chief Kenny Hodson, Deputy City Clerk Sherri Miller and Melinda Ewertz, Police Officers Tonia Brown and Iansun Hyrst, Power Plant Superintendent Larry Berry, Randy & Jacquie Wiseley, Curt Miller and Joyce Kaup.

ABSENT

Commissioner Eric Smith

- Approval of Agenda

A motion was made to approve the agenda as presented.

Motion made by Mayor Cleveland, Seconded by Commissioner Lanie.
Voting Yea: Mayor Cleveland, Commissioner Eaton, Commissioner Lanie, Commissioner Hatfield.
Motion carried.

PUBLIC COMMENT

New Police Officers Tonia Brown and Iansun Hyrst were introduced to the Commission.

CONSENT AGENDA

1. Approve November 5, 2024 Regular Meeting Minutes
2. Appropriation Ordinance No 3202 $2,772,103.33
3. Special Appropriations

Fund #34 Capital Airport- Border States $292.75 Elec Materials - AWOS/Beacon AV-2023-17

Fund #34 Capital Airport-Atlas Electric $92,890.62 AWOS Materials & Labor - AWOS/Beacon AV-2023-17

Fund #34 Capital Street-Security First $195.00 O&E Report Required for Easement - CCLIP KA-6909-01

Fund #83 Electric EQ Replacement-COOP $130.00 T-Posts for Safety Fence - Sunrise 2nd BASE Grant

4. Approve 11.19.2024 Payroll $57,062.91

5. Approve Drawdown #3 KDOT Project No. AV-2023-17 $93,183.37 AWOS/Beacon Project

6. Approve Build Kansas Matching Grant Agreement of $131,161.45 for Project 2024-030-40101d

7. Approval to Authorize City Administrator to Establish Just Compensation for Construction Easement for CCLIP 44-39 KA-6909-01

Mayor Cleveland asked if any items should be removed from the consent agenda. Hearing none, a motion was made to approve the consent agenda.

Motion made by Mayor Cleveland, Seconded by Commissioner Hatfield.
Voting Yea: Mayor Cleveland, Commissioner Eaton, Commissioner Lanie, Commissioner Hatfield. Motion Carried.

PUBLIC HEARINGS - NONE

REGULAR BUSINESS

8. Bid Opening Sunrise 2nd Street Lighting

Mayor Cleveland opened the Sunrise 2nd Street Lighting Bids.
Bids will be reviewed by the Department Head and approved at a Special Meeting.

9. Request for More Brackets/Banners - American Legion Auxillary

Joyce Kaup representing the American Legion Auxiliary was present to request permission to purchase more banners and brackets for the Veterans Banners.

10. Welcome to Anthony Sign West Park - Randy Wiseley

Randy Wiseley representing the Anthony Community Empowerment Group (ACE) presented examples for future signs for the West Park Welcome Sign. ACE will bring back a list of sign panels they would like to portray in the sign for approval.

11. Kayak Rental Services at Anthony Lake

Administrator Kastens presented the recommendations from the Anthony Lake Board and the Lake Department Head to further discuss the building location and funding. The city will further evaluate the location potential. After discussion, a motion was made to purchase a building for the Kayak Rental Services at Anthony Lake. Total cost for the building project to be paid 50% from Lake Board Capital and 50% from Special Parks and Recreation.

Motion made by Commissioner Hatfield, Seconded by Commissioner Eaton.
Voting Yea: Mayor Cleveland, Commissioner Eaton, Commissioner Lanie, Commissioner Hatfield. Motion Carried.

12. Community Solar Discussion

Administrator Kastens and Power Plant Superintendent Berry updated the Commission on the solar initiative. The Commission will continue efforts for a City of Anthony Community Solar system and will not pursue contract options for large scale grid solar.

13. Approve Fire Department Christmas Party - $1,200

A motion was made to approve $1,200 towards the Fire Department Christmas Party.

Motion made by Commissioner Eaton, Seconded by Commissioner Lanie.
Voting Yea: Mayor Cleveland, Commissioner Eaton, Commissioner Lanie, Commissioner Hatfield. Motion Carried.

14. Approval - Employees Christmas 2024

The Commission approved the City of Anthony Christmas Party on Friday, December 13, 2024, and bonuses of $100 for each employee. The Commission further approved to allow city employees a half day holiday pay on December 24th closing at noon Christmas Eve. The Commission guided the Administrator to add this change to the approved city holiday list.

15. Economic Development Review

The Commission discussed the public support for economic development and potential impacts and directions for the future.

16. Health Nuisance 503 S. Anthony - Little Coyote 2024

A motion was made to approve the Findings of Facts and issue the order for a health nuisance at 503 S. Anthony, Little Coyote.

Motion made by Mayor Cleveland, Seconded by Commissioner Hatfield.
Voting Yea: Mayor Cleveland, Commissioner Eaton, Commissioner Lanie, Commissioner Hatfield. Motion Carried.

STAFF REPORTS

17. Administrator Report

The Administrator reported on BOR WaterSMART Grant, Airport AWOS & Beacon, Shopko Building, KCC-40101dGrant, Sunrise 2nd, ADA Ramps, EPA Water Technical Assistance, Staffing, ID/Eco Devo Board and Lake Board.

18. Department Reports

Department activities updates were given from Electric Distribution, Water/Wastewater and Street. No report from Electric Production.

19. Chief of Police Report

Contacted some property owners about properties needing cleaned up.
New Officer Iansun Hyrst started Monday and will be attending the academy on 12-03-24.
We arrested George Gilchrist Jr for no insurance, illegal registration and attempting to flee.
We investigated a disturbance in the 300 block of N. Jefferson and turned the case over to the C.A. for possible charges.
We are investigating a possible rape of a minor that occurred a few years ago.
We investigated a minor accident.

EXECUTIVE SESSION

20. Executive Session to Discuss Staffing Pursuant to "Personnel Matters of NonElected Personnel, K.S.A. 75-4319 (b) (1)."

At 8:02 p.m. Mayor Cleveland made a motion to go into Executive Session for five minutes until 8:07 p.m. to discuss staffing pursuant to "Personnel Matters of NonElected Personnel, K.S.A. 75-4319 (b) (1)." Commissioner Lanie seconded the motion. Motion carried 4-0. The Commission chambers were cleared with the Commissioners and Administrator remaining present.

Mayor Cleveland made a motion to extend the Executive Session for five minutes until 8:12 p.m. Commission Hatfield seconded. Motion Carried 4-0.

At 8:12 p.m. Mayor Cleveland called the regular meeting back to order. No binding action was taken.

ADJOURNMENT

A motion was made to adjourn the meeting.

Motion made by Mayor Cleveland, Seconded by Commissioner Hatfield.
Voting Yea: Mayor Cleveland, Commissioner Eaton, Commissioner Lanie, Commissioner Hatfield.
Motion Carried.

_____
Gregory Cleveland, Mayor

_____
Cyndra Kastens, City Clerk/Administrator

City Commission Special Meeting

Thursday, November 21, 2024 at 12:30 PM
Commission Chambers, 124 S Bluff, Anthony, KS 67003

MINUTES

CALL TO ORDER

Mayor Cleveland called the Special Meeting to order at 12:30 p.m.

ROLL CALL

PRESENT
Mayor Greg Cleveland
Commissioner Eric Smith
Commissioner Howard Hatfield

City Administrator Cyndra Kastens

ABSENT
Commissioner Sherrie Eaton
Commissioner Jan Lanie

ITEMS OF BUSINESS

Commissioner Eaton arrived at 12:31 p.m.

1. **Approve Bid for Sunrise 2nd Street Lighting**

   Two bids were opened at the November 19th Regular City Commission meeting for Sunrise 2nd Street Lighting from Stanion Electric and Border States. After review by Electric Department Head Angle for material verification and lowest pricing, a recommendation was presented to award $33,141.60 to Stanion Electric and $7,146.37 to Border States, plus tax and shipping. The costs to be paid are as follows: $26,696.68 for Sunrise 2nd Lighting paid by BASE Grant, and $13,591.29 for Industrial Park Lighting paid for Electrical Equipment Replacement.

   Afet review, a motion was made to approve bids for lighting as presented, split between Stanion and Border States up to $40,287.97 plus tax and shipping.

Motion made by Commissioner Smith, Seconded by Commissioner Hatfield.
Voting Yea: Mayor Cleveland, Commissioner Smith, Commissioner Hatfield, Commissioner Eaton. Motion Carried.

2. **Approve to Bid Kayak Building at Lake**

A motion was made to approve to go out for bid for the Kayak Building at the Lake.

Motion made by Commissioner Eaton, seconded by Commissioner Hatfield.

Voting Yea: Mayor Cleveland, Commissioner Smith, Commissioner Hatfield, Commissioner Eaton. Motion Carried.

ADJOURNMENT

A motion was made to adjourn the meeting.

Motion made by Mayor Cleveland, Seconded by Commissioner Smith.
Voting Yea: Mayor Cleveland, Commissioner Smith, Commissioner Hatfield, Commissioner Eaton.
Motion Carried.

_____
Greg Cleveland, Mayor

_____
Cyndra Kastens, City Clerk/Administrator

EBH
EBHengineering.com

Evans, Bierly, Hutchison & Associates, P.A.
1105 Williams Great Bend, KS 67530
620.793.8411

Cyndra Kastens
City Clerk
124 S Bluff Ave
Anthony, KS 67003

Date	26-Nov-24
Project No.	39 KA-6909-01
CMS No.	17232154
KDOT Agreement No.	490-23
For Services from	9/22/2024 through 11/23/2024
Billing Statement No.	Eleven (11)

Direct Payroll

Labor	Title	Hours	Rate	Extension	Totals
J. Krosschell	Project Engineer	10	$46.75	$467.50	
J. Krosschell	Project Engineer O/T		$70.13	$0.00	
T. McCann	Engineering Technician		$30.50	$0.00	
D. Hall	Survey Technician		$35.75	$0.00	
F. Feemster	Survey Technician		$29.75	$0.00	
F. Feemster	Survey Technician O/T		$44.63	$0.00	
C. Feemster	Survey Technician		$17.50	$0.00	
C. Feemster	Survey Technician O/T		$26.25	$0.00	
D. Abbott**	Engineering Technician		$30.50	$0.00	
Direct Salaries				$467.50	
General Overhead 161.35% of Labor				$754.31	
Net Fee This Statement:				$100.00	
Total Direct Payroll, Overhead & Net Fee					**$1,321.81**

Direct Expenses:

Per Diem & Subsistence

Mileage

Motel

Equipment Rental

Total Direct Expenses

Total Cost Claimed **$1,321.81**

Signature

Company Representative Name

11-26-24
Date

BALANCE SHEET
CALENDAR 12/2024, FISCAL 12/2024

ACCOUNT NUMBER	ACCOUNT TITLE	PTD BAL.	YTD BAL
01-00-0010	GENERAL OPERATING	15,668.10-	1,078,015.05
02-00-0010	WATER	18,773.44-	875,611.45
03-00-0010	ELECTRIC	47,570.19-	1,357,021.64
04-00-0010	SALES TAX & STATE FEES		39,302.03
05-00-0010	SEWAGE DISPOSAL	10,198.75-	525,856.73
10-00-0010	EMP INSURANCE/BENEFIT	44,843.32-	333,252.02
12-00-0010	AIRPORT	38.41-	174,061.57
14-00-0010	INDUSTRIAL DEVELOPMENT		21,119.54
15-00-0010	ECONOMIC DEVELOPMENT		106,997.85
16-00-0010	SERVICE DEPOSIT		86,129.28
17-00-0010	SPECIAL STREETS & HIGHWAY		306,584.96
18-00-0010	PUBLIC RELIEF		24,038.00
19-00-0010	WATER UTILITY RESERVE		244,277.72
21-00-0010	WWTF LOAN 2000		79,875.30
23-00-0010	WATER DEBT SVC RESERVE S2013		133,312.86
24-00-0010	BOND & INTEREST		10,463.73
26-00-0010	RECREATION COMMISSION	342.93-	39,350.40
29-00-0010	RECREATION		3,432.31
30-00-0010	MUNICIPAL EQUIPMENT RESERVE		149,963.19
32-00-0010	SPECIAL PARKS & RECREATION		37,972.45
34-00-0010	CAPITAL IMPROVEMENT	7,396.80-	3,683,666.63
37-00-0010	GO BONDS S2010 POOL		10,497.04
40-00-0010	ELECTRIC UTILITY RESERVE		1,559,835.43
41-00-0010	EL UTIL S2017 REV BOND		198,679.63
45-00-0010	SEWER RESERVE		155,000.00
47-00-0010	WILDLIFE AND PARKS GRANT		491,849.41
50-00-0010	WAYNE DENNIS INVESTMENT FUND		750,141.35
54-00-0010	DEBT RES. WATER 2013		199,101.69
61-00-0010	MUNICIPALITIES FIGHT ADDICTION		12,487.11
81-00-0010	WASTEWATER LAGOON CLEANING		192,500.00
82-00-0010	WATER/EQUIPMENT REPLACEMENT		65,655.86
83-00-0010	ELECTRIC/EQUIP REPLACEMENT		3,867,393.85
85-00-0010	SEWER/EQUIPMENT REPLACEMENT		94,005.71
89-00-0010	TRANS GUEST APPROVED		8.32
96-00-0010	WAYNE DENNIS FUNDS		14,443.66
97-00-0011	DT REVIT. REVOLVING LOAN		.56
98-00-0010	TRANSIENT GUEST TAX		3,976.83
	PROOF	144,831.94-	16,925,881.16

#3203

VENDOR NAME	REFERENCE	AMOUNT	VENDOR TOTAL	CHECK#	CHECK DATE
GENERAL OPERATING					
PATTERSON HEALTH CENTER	NOV DUES		72.50	52477	12/04/24
CASH	TRIVIA FOR CHRISTMAS PARTY		100.00	52479	12/04/24
CIVICPLUS, LLC	MUNICODE/CIVIC PLUS RENEWAL		900.00	52480	12/04/24
IRS	12/03/24 PR & BONUS CHECKS		5,400.54	12498969	12/03/24
HORIZENS CHILD ADVOCACY CENTER	CHILD ADVOCACY CENTER		2,000.00	52484	12/04/24
IDLE HOUR TAVERN	FD CHRISTMAS PARTY		980.00	52485	12/04/24
GREAT-WEST FINANCIAL	12/03/24 PR		502.95	12498965	12/03/24
J-MAC FLOWERS & GIFTS	FD CHRISTMAS PARTY		50.00	52486	12/04/24
KPERS	12/03/24 PR & BONUS CHECKS		3,733.66	12498968	12/03/24
KANSAS PAYMENT CENTER	12/03/24 PR		251.54	12498966	12/03/24
KS DEPT OF REV-WITHHOLDING	12/03/24 PR		1,036.70	12498970	12/03/24
MANHATTANLIFE ASSURANCE COMP	CANCER INS		6.30	52487	12/04/24
NEWBERRY FAMILY AUTO	RAM SIREN CONTROL		500.00	52488	12/04/24
NEW YORK LIFE	EMP LIFE INS		7.19	52489	12/04/24
PRONTO TIRE & SERVICE, LLC	#57 FIRE TRUCK TIRE ROTATION		40.00	52490	12/04/24
SOUTH CENTRAL WIRELESS	PHONE/INTERNET FOR DEC		339.63	52492	12/04/24
MAISEY PRO	NOV SVC		25.50	52493	12/04/24
UNDERGOUND VAULTS AND STORAGE,	ANNUAL DOCUMENT SHREDDING		25.00	52495	12/04/24
VERIZON WIRELESS	CELLPHONE 11/15/24-12/14/24		42.05	52496	12/04/24
VISION SERVICE PLAN	DEC 2024		148.65	12498964	12/03/24
WEIS FIRE & SAFETY EQUIP. LLC	DUMP TEST		980.00	52497	12/04/24

01	GENERAL OPERATING TOTAL		17,142.21		
WATER					
ANSWER PRO	9/28-10/25 ANS SVC		101.50	52476	12/04/24
PATTERSON HEALTH CENTER	NOV DUES		11.58	52477	12/04/24
ATMOS ENERGY	NATURAL GAS		187.56	52478	12/04/24
CASH	TRIVIA FOR CHRISTMAS PARTY		49.99	52479	12/04/24
CIVICPLUS, LLC	MUNICODE/CIVIC PLUS RENEWAL		900.00	52480	12/04/24
CITY OF ANTHONY	REIMB DEC BCBS		4,791.52	52481	12/04/24
IRS	12/03/24 PR & BONUS CHECKS		1,927.07	12498969	12/03/24
GREAT-WEST FINANCIAL	12/03/24 PR		77.08	12498965	12/03/24
KPERS	12/03/24 PR & BONUS CHECKS		1,440.87	12498968	12/03/24
KANSAS PAYMENT CENTER	12/03/24 PR		136.16	12498966	12/03/24
KS DEPT OF REV-WITHHOLDING	12/03/24 PR		353.11	12498970	12/03/24
MANHATTANLIFE ASSURANCE COMP	CANCER INS		20.15	52487	12/04/24
MUTUAL OF OMAHA	DEC LIFE INS		43.06	12498962	12/03/24
NEW YORK LIFE			3.26-	52489	12/04/24
RD PAPER COMPANY LLC	XMAS & UB ENVELOPES		148.00	52491	12/04/24
RURAL WATER DISTRICT #2	CAMPGROUNDS LAKE		278.88	12498967	12/03/24
SOUTH CENTRAL WIRELESS	PHONE/INTERNET FOR DEC		289.52	52492	12/04/24
MAISEY PRO	NOV SVC		49.50	52493	12/04/24
GARY TAYLOR	CERT OP FEES NOV 2024		888.98	52494	12/04/24
UNDERGOUND VAULTS AND STORAGE,	ANNUAL DOCUMENT SHREDDING		25.00	52495	12/04/24
VERIZON WIRELESS	CELLPHONE 11/15/24-12/14/24		106.86	52496	12/04/24
VISION SERVICE PLAN	DEC 2024		83.03	12498964	12/03/24
WHEATLAND ELECTRIC COOP INC	LAKE LIGHTS/TRANSDUCER		44.00	52498	12/04/24

02	WATER TOTAL		11,950.16		

VENDOR NAME	REFERENCE	AMOUNT	VENDOR TOTAL	CHECK#	CHECK DATE
ELECTRIC					
ADVANCED COMPUTERS	CYNDRA COMPUTER		2,012.00	52474	12/04/24
JERRY ANGLE	HRA PAYOUT 24/25 DEDUCTIBLE		750.00	52475	12/04/24
ANSWER PRO	9/28-10/25 ANS SVC		101.50	52476	12/04/24
PATTERSON HEALTH CENTER	NOV DUES		25.94	52477	12/04/24
CASH	TRIVIA FOR CHRISTMAS PARTY		116.67	52479	12/04/24
CIVICPLUS, LLC	MUNICODE/CIVIC PLUS RENEWAL		900.00	52480	12/04/24
CITY OF ANTHONY	REIMB DEC BCBS		12,651.34	52481	12/04/24
IRS	12/03/24 PR & BONUS CHECKS		5,912.12	12498969	12/03/24
GREAT-WEST FINANCIAL	12/03/24 PR		613.69	12498965	12/03/24
KPERS	12/03/24 PR & BONUS CHECKS		4,056.61	12498968	12/03/24
KS DEPT OF REV-WITHHOLDING	12/03/24 PR		1,193.76	12498970	12/03/24
LIBERTY NATIONAL	DEC		107.08	12498961	12/03/24
MANHATTANLIFE ASSURANCE COMP	CANCER INS		96.55	52487	12/04/24
MUTUAL OF OMAHA	DEC LIFE INS		73.47	12498962	12/03/24
NEW YORK LIFE	EMP LIFE INS		15.35	52489	12/04/24
RD PAPER COMPANY LLC	XMAS & UB ENVELOPES		76.00	52491	12/04/24
SOUTH CENTRAL WIRELESS	PHONE/INTERNET FOR DEC		515.28	52492	12/04/24
MAISEY PRO	NOV SVC		49.50	52493	12/04/24
UNDERGOUND VAULTS AND STORAGE,	ANNUAL DOCUMENT SHREDDING		25.00	52495	12/04/24
VERIZON WIRELESS	CELLPHONE 11/15/24-12/14/24		55.35	52496	12/04/24
VISION SERVICE PLAN	DEC 2024		179.15	12498964	12/03/24
WHEATLAND ELECTRIC COOP INC	LAKE LIGHTS/TRANSDUCER		17.24	52498	12/04/24
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	03 ELECTRIC TOTAL		29,543.60		
SEWAGE DISPOSAL					
PATTERSON HEALTH CENTER	NOV DUES		7.98	52477	12/04/24
CASH	TRIVIA FOR CHRISTMAS PARTY		33.34	52479	12/04/24
CIVICPLUS, LLC	MUNICODE/CIVIC PLUS RENEWAL		900.00	52480	12/04/24
CITY OF ANTHONY	REIMB DEC BCBS		3,282.68	52481	12/04/24
IRS	12/03/24 PR & BONUS CHECKS		850.17	12498969	12/03/24
GREAT-WEST FINANCIAL	12/03/24 PR		28.01	12498965	12/03/24
KPERS	12/03/24 PR & BONUS CHECKS		636.09	12498968	12/03/24
KS DEPT OF REV-WITHHOLDING	12/03/24 PR		173.71	12498970	12/03/24
MANHATTANLIFE ASSURANCE COMP	CANCER INS		9.44	52487	12/04/24
MUTUAL OF OMAHA	DEC LIFE INS		11.62	12498962	12/03/24
NEW YORK LIFE	EMP LIFE INS		23.12	52489	12/04/24
RD PAPER COMPANY LLC	XMAS & UB ENVELOPES		76.00	52491	12/04/24
MAISEY PRO	NOV SVC		25.50	52493	12/04/24
GARY TAYLOR	CERT OP FEES NOV 2024		888.97	52494	12/04/24
VERIZON WIRELESS	CELLPHONE 11/15/24-12/14/24		13.83	52496	12/04/24
VISION SERVICE PLAN	DEC 2024		48.58	12498964	12/03/24
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	05 SEWAGE DISPOSAL TOTAL		7,009.04		
EMPLOYEE BENEFIT					
BCBS OF KANSAS	DEC 2024		30,270.83	12498963	12/03/24
CITY OF ANTHONY	REIMB DEC BCBS		9,545.29	52481	12/04/24
GINA HESS	HRA PAYOUT 24/25 DEDUCTIBLE		750.00	52483	12/04/24
MUTUAL OF OMAHA	DEC LIFE INS		76.84	12498962	12/03/24
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	10 EMPLOYEE BENEFIT TOTAL		40,642.96		

VENDOR NAME	REFERENCE	AMOUNT	VENDOR TOTAL	CHECK CHECK# DATE
AIRPORT				
IRS	12/03/24 PR & BONUS CHECKS		5.21	12498969 12/03/24
KPERS	12/03/24 PR & BONUS CHECKS		5.33	12498968 12/03/24
KANSAS PAYMENT CENTER	12/03/24 PR		4.61	12498966 12/03/24
KS DEPT OF REV-WITHHOLDING	12/03/24 PR		.24	12498970 12/03/24

12	AIRPORT TOTAL		15.39	
RECREATION COMMISSION				
IRS	12/03/24 PR & BONUS CHECKS		42.84	12498969 12/03/24
VERIZON WIRELESS	CELLPHONE 11/15/24-12/14/24		41.51	52496 12/04/24

26	RECREATION COMMISSION TOTAL		84.35	
CAPITAL IMPROVEMENT FUND				
EVANS-BIERLY-HUTCHISON & ASSOC	FY25 CCLIP ANTHONY & K44		7,396.80	52482 12/04/24

34	CAPITAL IMPROVEMENT FUND TOTAL		7,396.80	
			==========	
	Accounts Payable Total		113,784.51	

CLAIMS REPORT
CLAIMS FUND SUMMARY

FUND	NAME	AMOUNT
01	GENERAL OPERATING	17,142.21
02	WATER	11,950.16
03	ELECTRIC	29,543.60
05	SEWAGE DISPOSAL	7,009.04
10	EMPLOYEE BENEFIT	40,642.96
12	AIRPORT	15.39
26	RECREATION COMMISSION	84.35
34	CAPITAL IMPROVEMENT FUND	7,396.80
	TOTAL FUNDS	113,784.51

PCT OF FISCAL YTD 100.0%

ACCOUNT NUMBER	ACCOUNT TITLE	MTD BALANCE	YTD BALANCE	BUDGET	DIFFERENCE
	TOTAL REVENUE	14,503.08	1,249,928.09	1,225,439.00	24,489.09-
	TOTAL EXPENSES	30,249.69	1,038,323.75	1,588,880.00	550,556.25
	GENERAL OPERATING TOTAL	15,746.61-	211,604.34	363,441.00-	575,045.34-
	TOTAL REVENUE	.00	1,089,994.17	1,000,500.00	89,494.17-
	TOTAL EXPENSES	18,777.78	893,356.69	1,127,552.00	234,195.31
	WATER TOTAL	18,777.78-	196,637.48	127,052.00-	323,689.48-
	TOTAL REVENUE	.00	3,797,095.20	6,362,800.00	2,565,704.80
	TOTAL EXPENSES	47,552.37	2,960,607.44	7,358,010.00	4,397,402.56
	ELECTRIC TOTAL	47,552.37-	836,487.76	995,210.00-	1,831,697.76-
	TOTAL REVENUE	.00	103,514.52	.00	103,514.52-
	TOTAL EXPENSES	.00	101,737.86	.00	101,737.86-
	SALES TAX & STATE FEES TOTAL	.00	1,776.66	.00	1,776.66-
	TOTAL REVENUE	.00	537,771.51	559,500.00	21,728.49
	TOTAL EXPENSES	10,156.04	496,057.20	581,945.00	85,887.80
	SEWAGE DISPOSAL TOTAL	10,156.04-	41,714.31	22,445.00-	64,159.31-
	TOTAL REVENUE	.00	596,464.61	676,300.00	79,835.39
	TOTAL EXPENSES	44,843.32	611,104.86	676,300.00	65,195.14
	EMPLOYEE BENEFIT TOTAL	44,843.32-	14,640.25-	.00	14,640.25
	TOTAL REVENUE	.00	86,320.14	1,424,494.00	1,338,173.86
	TOTAL EXPENSES	38.58	66,580.38	1,475,700.00	1,409,119.62
	AIRPORT TOTAL	38.58-	19,739.76	51,206.00-	70,945.76-
	TOTAL REVENUE	.00	688.50	950.00	261.50
	TOTAL EXPENSES	.00	156.85-	21,522.00	21,678.85
	INDUSTRIAL DEVELOPMENT TOTAL	.00	845.35	20,572.00-	21,417.35-
	TOTAL REVENUE	.00	140,242.78	.00	140,242.78-
	TOTAL EXPENSES	.00	142,187.61	.00	142,187.61-

PCT OF FISCAL YTD 100.0%

ACCOUNT NUMBER	ACCOUNT TITLE	MTD BALANCE	YTD BALANCE	BUDGET	DIFFERENCE
	ECONOMIC DEVELOPMENT TOTAL	.00	1,944.83-	.00	1,944.83
	TOTAL REVENUE	.00	11,150.00	.00	11,150.00-
	TOTAL EXPENSES	.00	11,750.00	.00	11,750.00-
	SERVICE DEPOSIT TOTAL	.00	600.00-	.00	600.00
	TOTAL REVENUE	.00	55,770.22	56,010.00	239.78
	TOTAL EXPENSES	.00	8,877.53	209,730.00	200,852.47
	SPECIAL STREETS & HIGHWAY TOTA	.00	46,892.69	153,720.00-	200,612.69-
	TOTAL REVENUE	.00	1,296.41	.00	1,296.41-
	WATER UTILITY RESERVE TOTAL	.00	1,296.41	.00	1,296.41-
	TOTAL REVENUE	.00	143,162.30	.00	143,162.30-
	TOTAL EXPENSES	.00	171,794.80	.00	171,794.80-
	WWTF LOAN 2000 TOTAL	.00	28,632.50-	.00	28,632.50
	TOTAL REVENUE	.00	165,917.80	.00	165,917.80-
	TOTAL EXPENSES	.00	199,101.35	.00	199,101.35-
	WATER DEBT SERV 2013 TOTAL	.00	33,183.55-	.00	33,183.55
	TOTAL REVENUE	.00	32,874.66	31,471.00	1,403.66-
	TOTAL EXPENSES	.00	31,470.00	31,470.00	.00
	BOND & INTEREST TOTAL	.00	1,404.66	1.00	1,403.66-
	TOTAL REVENUE	.00	57,689.53	68,332.00	10,642.47
	TOTAL EXPENSES	.00	57,689.53	68,332.00	10,642.47
	LIBRARY TOTAL	.00	.00	.00	.00
	TOTAL REVENUE	.00	90,659.04	125,453.00	34,793.96
	TOTAL EXPENSES	342.93	103,748.03	162,650.00	58,901.97
	RECREATION COMMISSION TOTAL	342.93-	13,088.99-	37,197.00-	24,108.01-
	TOTAL REVENUE	.00	99,190.88	104,453.00	5,262.12

PCT OF FISCAL YTD 100.0%

ACCOUNT NUMBER	ACCOUNT TITLE	MTD BALANCE	YTD BALANCE	BUDGET	DIFFERENCE
	TOTAL EXPENSES	.00	95,758.57	104,453.00	8,694.43
	RECREATION CITY TOTAL	.00	3,432.31	.00	3,432.31-
	TOTAL REVENUE	.00	10,257.58	.00	10,257.58-
	TOTAL EXPENSES	.00	23,417.64	.00	23,417.64-
	MUNICIPAL EQUIPMENT RESER TOTA	.00	13,160.06-	.00	13,160.06
	TOTAL REVENUE	.00	5,998.43	6,017.00	18.57
	TOTAL EXPENSES	.00	730.06	36,892.00	36,161.94
	SPECIAL PARKS & RECREATIO TOTA	.00	5,268.37	30,875.00-	36,143.37-
	TOTAL REVENUE	.00	462,108.69	.00	462,108.69-
	TOTAL EXPENSES	7,396.80	767,891.57	.00	767,891.57-
	CAPITAL IMPROVEMENT FUND TOTA	7,396.80-	305,782.88-	.00	305,782.88
	TOTAL REVENUE	.00	22,562.50	.00	22,562.50-
	TOTAL EXPENSES	.00	27,075.00	.00	27,075.00-
	GO BONDS S2010 POOL TOTAL	.00	4,512.50-	.00	4,512.50
	TOTAL REVENUE	.00	108,095.34	.00	108,095.34-
	TOTAL EXPENSES	.00	2,175,612.50	.00	2,175,612.50-
	EL UTIL S2017 REV BOND TOTAL	.00	2,067,517.16-	.00	2,067,517.16
	TOTAL EXPENSES	.00	214,897.50	.00	214,897.50-
	EL UTIL S2017 RESERVE TOTAL	.00	214,897.50-	.00	214,897.50
	TOTAL REVENUE	.00	20,394.30	.00	20,394.30-
	WILDLIFE AND PARKS GRANT TOTA	.00	20,394.30	.00	20,394.30-
	TOTAL REVENUE	.00	14,250.00	.00	14,250.00-
	TOTAL EXPENSES	.00	14,250.00	.00	14,250.00-
	CDBG TOTAL	.00	.00	.00	.00

REVENUE & EXPENSE REPORT
CALENDAR 12/2024, FISCAL 12/2024

PCT OF FISCAL YTD 100.0%

ACCOUNT NUMBER	ACCOUNT TITLE	MTD BALANCE	YTD BALANCE	BUDGET	DIFFERENCE
	TOTAL REVENUE	.00	6,316.07	20,000.00	13,683.93
	TOTAL EXPENSES	.00	.00	25,208.00	25,208.00
	MUNICIP FIGHT ADDICTION TOTAL	.00	6,316.07	5,208.00-	11,524.07-
	TOTAL REVENUE	.00	9,000.00	.00	9,000.00-
	WASTEWATER LAGOON CLEANIN TOTA	.00	9,000.00	.00	9,000.00-
	TOTAL REVENUE	.00	3,260.91	.00	3,260.91-
	TOTAL EXPENSES	.00	98,567.08	.00	98,567.08-
	WATER\EQUIPMENT REPLACE TOTAL	.00	95,306.17-	.00	95,306.17
	TOTAL REVENUE	.00	498,899.13	.00	498,899.13-
	TOTAL EXPENSES	.00	101,092.08	.00	101,092.08-
	ELECTRIC EQUIPMENT/REPLAC TOTA	.00	397,807.05	.00	397,807.05-
	TOTAL EXPENSES	.00	7,448.33	.00	7,448.33-
	SEWER EQUIPMENT/ REPLACE TOTA	.00	7,448.33-	.00	7,448.33
	TOTAL REVENUE	.00	9,000.00	.00	9,000.00-
	TOTAL EXPENSES	.00	8,991.68	.00	8,991.68-
	TRANSIENT GUEST APPROVED TOTA	.00	8.32	.00	8.32-
	TOTAL EXPENSES	.00	12,674.02	.00	12,674.02-
	FIRE DEPT CLOSING CK 612 TOTA	.00	12,674.02-	.00	12,674.02
	TOTAL REVENUE	.00	23,327.23	.00	23,327.23-
	TOTAL EXPENSES	.00	24,500.00	.00	24,500.00-
	WAYNE DENNIS FUNDS TOTAL	.00	1,172.77-	.00	1,172.77
	TOTAL REVENUE	.00	10,763.94	.00	10,763.94-
	TOTAL EXPENSES	.00	9,000.00	.00	9,000.00-
	TRANSIENT GUEST TAX TOTAL	.00	1,763.94	.00	1,763.94-

PCT OF FISCAL YTD 100.0%

ACCOUNT NUMBER	ACCOUNT TITLE	MTD BALANCE	YTD BALANCE	BUDGET	DIFFERENCE
	Report Total	144,854.43-	1,012,171.73-	1,806,925.00-	794,753.27-

C CTR	DESCRIPTION	REG HRS	OT HRS	VAC HRS	SCK HRS	TOT HRS	REG AMT	OT AMT	VAC AMT	SCK AMT	TOT AMT	DEDUCTIONS
101	GEN. - ADM.	37.88	.00	.00	.00	38.28	1654.83	.00	.00	.00	1665.13	25.00
102	POLICE	595.75	.00	.00	.00	601.50	12998.89	.00	.00	.00	13092.90	1565.28
104	STREET	287.25	.00	.00	.00	320.00	5933.03	.00	.00	.00	6547.61	584.35
105	GEN-ZONING	4.91	.00	.00	.00	4.91	313.65	.00	.00	.00	313.65	.00
230	WATER-LAKE	55.50	.00	.00	.00	59.00	908.54	.00	.00	.00	965.84	269.83
231	WATER-PRODUCTIO	9.00	.00	.00	.00	9.00	202.15	.00	.00	.00	202.15	.00
232	WATER-DISTRIBUT	274.75	.00	.00	.00	277.75	3255.89	.00	.00	.00	3312.50	593.67
233	WATER-COMM& GEN	113.21	.00	.00	.00	115.87	3484.77	.00	.00	.00	3546.45	.00
331	ELECTRIC-PROD	524.25	.00	.00	.00	544.00	7742.38	.00	.00	.00	8370.81	802.11
332	ELEC-DISTRIBUTI	514.00	.00	.00	.00	582.00	7368.43	.00	.00	.00	9174.56	1481.91
333	ELECTRIC-COMM	159.94	.00	.00	.00	163.03	5884.27	.00	.00	.00	5957.26	207.33
533	SEWER-COMM & GE	48.06	.00	.00	.00	48.66	1163.72	.00	.00	.00	1179.16	.00
534	SEWER-TREATMENT	245.75	.00	.00	.00	248.50	2615.79	.00	.00	.00	2667.39	.00
1201	AIRPORT	2.00	.00	.00	.00	2.00	32.74	.00	.00	.00	32.74	.00
2601	REC - GEN	17.50	.00	.00	.00	17.50	280.00	.00	.00	.00	280.00	.00
5102	OT GEN POLICE	.00	29.50	.00	.00	29.50	.00	1004.10	.00	.00	1004.10	.00
5231	OT WATER PROD	.00	7.00	.00	.00	7.00	.00	252.65	.00	.00	252.65	.00
5232	OT WATER DIST	.00	8.50	.00	.00	8.50	.00	318.07	.00	.00	318.07	.00
5331	OT ELEC PROD	.00	7.75	.00	.00	7.75	.00	449.50	.00	.00	449.50	.00
5332	OT ELEC DIST	.00	5.00	.00	.00	5.00	.00	231.01	.00	.00	231.01	.00
5333	OT ELEC COMM/GN	.00	7.75	.00	.00	7.75	.00	269.13	.00	.00	269.13	.00
5534	OT SEWER TREAT	.00	7.00	.00	.00	7.00	.00	276.92	.00	.00	276.92	.00
6102	SHIFT GEN POLIC	.00	.00	.00	.00	164.00	.00	.00	.00	.00	82.00	.00
99999	DISTRIBUTED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	421.80
	TOTAL	2889.75	72.50	.00	.00	3268.50	53839.08	2801.38	.00	.00	60191.53	5951.28

C CTR	DESCRIPTION	REG HRS	OT HRS	VAC HRS	SCK HRS	TOT HRS	REG AMT	OT AMT	VAC AMT	SCK AMT	TOT AMT	DEDUCTIONS
101	GEN. - ADM.	.00	.00	.00	.00	.00	57.15	.00	.00	.00	57.15	.00
102	POLICE	.00	.00	.00	.00	.00	1019.70	.00	.00	.00	1019.70	41.70
104	STREET	.00	.00	.00	.00	.00	463.24	.00	.00	.00	463.24	27.80
105	GEN-ZONING	.00	.00	.00	.00	.00	22.03	.00	.00	.00	22.03	.00
230	WATER-LAKE	.00	.00	.00	.00	.00	115.81	.00	.00	.00	115.81	6.95
232	WATER-DISTRIBUT	.00	.00	.00	.00	.00	347.43	.00	.00	.00	347.43	27.80
233	WATER-COMM& GEN	.00	.00	.00	.00	.00	200.38	.00	.00	.00	200.38	.00
331	ELECTRIC-PROD	.00	.00	.00	.00	.00	463.24	.00	.00	.00	463.24	20.85
332	ELEC-DISTRIBUTI	.00	.00	.00	.00	.00	463.24	.00	.00	.00	463.24	41.70
333	ELECTRIC-COMM	.00	.00	.00	.00	.00	327.84	.00	.00	.00	327.84	13.90
533	SEWER-COMM & GE	.00	.00	.00	.00	.00	79.93	.00	.00	.00	79.93	.00
99999	DISTRIBUTED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.95
	TOTAL	.00	.00	.00	.00	.00	3559.99	.00	.00	.00	3559.99	187.65

ANTHONY PUBLIC LIBRARY
624 East Main
Anthony, Kansas 67003

November 15, 2024

Mr. Greg Cleveland, Mayor
City of Anthony
124 S. Bluff / P.O. Box 504
Anthony, Kansas 67003

Dear Mr. Cleveland:

The Board of Trustees of the Anthony Public Library is pleased to submit for your approval, the name of Jim Eaton to succeed himself as a member the Library Board. Mr. Eaton has served one term, and by statute is permitted to serve one additional four-year term. In accordance with KSA 12-1222, this term will be from May 1, 2025 to April 30, 2029.

Mr. Eaton has agreed to accept this appointment and is willing to serve on the library board.

Thank you for your consideration.

Respectfully submitted by the Anthony Public Library Board,

J. D. Hays, President
Anthony Public Library Board

Sherri Miller

From: Karen Younce <kyounce@gmail.com>
Sent: Monday, November 25, 2024 11:23 AM
To: Sherri Miller
Subject: Transient Guest Tax Committee members

Good morning Sherri,

The Transient Guest Tax Committee held a discussion by email last week.
This is to let you know that the committee members whose terms have expired are all willing to continue to serve, including
BarBara Wright, Charlie Gipple, and Susan Croft.
Brandon Bellesine's term expired in 2023. He is willing to continue, with his term backed up to begin where the old one ended in 2023.

Karen

RESOLUTION NO. 1147

A RESOLUTION OF THE CITY COMMISSION FOR THE CITY OF ANTHONY, KANSAS AUTHORIZING PARTICIPATION IN RURAL OPPORTUNITY ZONE STUDENT LOAN REPAYMENT PROGRAM CALENDAR YEAR 2025.

NOW, THEREFORE BE IT RESOLVED BY THE CITY COMMISSION OF ANTHONY, KANSAS, IN THE COUNTY OF HARPER:

Section 1. Pursuant to K.S.A. 2021 Supp. 74-50,223, the City Commission expresses its intent to participate in the Rural Opportunity Zone (ROZ) student loan repayment program.

Section 2. Harper County has been designated a Rural Opportunity Zone pursuant to K.S.A. 2021 Supp. 74-50,222.

Section 3. The City of Anthony Commission hereby obligate the City of Anthony to participate in the ROZ student loan repayment program as provided by K.S.A. 2021 Supp. 74-50,223 for a period of five years, which shall be irrevocable.

Section 4. The City of Anthony agrees to pay in equal shares with the State of Kansas the outstanding student loan balance of any individual domiciled within the incorporated and unincorporated areas of the City of Anthony for a period of five years, if the domiciled individual meets the terms of qualification provided by the State of Kansas in K.S.A. 2021 Supp. 74-50,223, and the appropriate rules and regulations. The number of qualified resident individuals receiving such payments will be subject to the availability of funds.

Section 5. The maximum student loan balance for each qualified resident individual to be repaid jointly The City of Anthony and the State of Kansas shall be $15,000 over a term of five years.

Section 6. The City of Anthony shall allocate $ 7,500.00 a calendar year for the purpose of matching payments from the State of Kansas to qualified resident individuals. The City of Anthony shall revise its ROZ budget on an annual basis submitting a new Resolution to the State of Kansas by January 30th each year. The City of Anthony shall submit their obligation in full to the Department of Commerce before the first day of September each year.

BE IT FURTHER RESOLVED that this resolution shall be published once in the official city newspaper and shall be in effect from and after its date of publication.

Adopted this 3rd day of December 2024 by the City Commission of Anthony, in Harper County, Ks.

_____

Gregory Cleveland, Mayor

SEAL

ATTEST:

_____

Cyndra Kastens, City Clerk/Administrator

PAYMENT VOUCHER

DATE: November 26, 2024

E-Mail: Ckastens@anthonykansas.org

Cyndra Kastens
City Clerk
124 S Bluff Ave
Anthony, KS 67003

VENDOR INFORMATION

FIRM NAME: EBH Engineers
ADDRESS: 1105 Williams Street
City: Great Bend **State:** KS

Electronic Deposit: **NO**
No/SFX
Zip: 67530

Contract No: 017232154
KDOT Project No: 39 KA-6909-01
Work Type: Engineering Design
Invoice No:

County: Harper
City: Anthony

COMPUTATION OF PAYMENT DUE

Payment No: 11
Paid to Date: $ 33,711.38

Total Cost Claimed:	$	41,108.18
Less Prepaid Amount:	$	-
Less Previous Payments:	$	(39,786.37)
Amount Due Vendor:	$	1,321.81

	Contract Amount	Previously Billed	Total This Bill	Total To Date
Payroll:	$ 19,495.00	$ 13,259.07	$ 467.50	$ 13,726.57
Overhead:	$ 26,842.67	$ 21,883.79	$ 754.31	$ 22,638.10
Net Fee:	$ 5,000.00	$ 4,100.00	$ 100.00	$ 4,200.00
Direct Expenses:	$ 2,037.30	$ 543.51	$ -	$ 543.51
Total:	**$ 53,374.97**	**$ 39,786.37**	**$ 1,321.81**	**$ 41,108.18**

I do hereby certify that the above bill is just, correct and remains due and unpaid and that the amount claimed is actually due according to the law.

PAYMENT VOUCHER

STATE OF KANSAS
DEPARTMENT OF ADMINISTRATION
DIVISION OF ACCOUNTS & REPORTS
DA-120 DOT-2 (Rev. 11-91)

Warrant No.		
Agency No. 276	Div. No.	Current Document Number V

Document Date: Effective Date: Due Date:

Vendor Information		Paying Agency Name & Address
No./Sfx	Electronic Deposit	KANSAS DEPARTMENT OF TRANSPORTATION
Name:	Cyndra Kastens	TOD SALFRANK, P. E., CHIEF
	City Clerk	BUREAU OF LOCAL PROJECTS
Street:	124 S Bluff Ave	700 SW HARRISON ST., 3rd FL. West, ESOB
City,State,Zip:	Anthony, KS 67003	TOPEKA, KANSAS 66603-3745

Date & Inv. No.	Quantity	Unit	Description	Unit Price	Amount
			Project No. 39 KA-6909-01 CMS Contract No. 0172321543		
			Engineering Agreement Date: September 19, 2023		
			Payment No. 11		
			Total compensation not to exceed		$53,374.97
			Previous earned by City from KDOT		39,786.37
			Previous payments to City by KDOT		39,786.37
			Total claimed to date by Consultant		41,108.18
			Less City share (0 %)		0.00
			Subtotal		41,108.18
			Less retainage (Final Invoice)		0.00
			Subtotal		41,108.18
			Less previous payments to City by KDOT		39,786.37
			Amount due vendor		1,321.81
				Document Total	

	Audited:	Coded:	Approved:	Approved:	Approved:
			Office in charge	Bureau Chief/Dist. Eng.	State Transportation Controller

I do hereby certify that the above bill is just, correct, and remains due and unpaid, ar that the amount claimed therein is actually due according to the law.

(Claimant sigh here) _____

(City Name)

By _____

Date _____

I do hereby certify that the within was contracted for the State, under authority of law, and that the amount therein claimed is correct according to such contract and is unpaid.

_____

Rev. 11-91 AN EQUAL OPPORTUNITY EMPLOYER D.O.T. FORM NO. 424

EBH
EBHengineering.com

Evans, Bierly, Hutchison & Associates, P.A.
1105 Williams Great Bend, KS 67530
620.793.8411

Cyndra Kastens
City Clerk
124 S Bluff Ave
Anthony, KS 67003

Date	26-Nov-24
Project No.	39 KA-6909-01
CMS No.	17232154
KDOT Agreement No.	490-23
For Services from	9/22/2024 through 11/23/2024
Billing Statement No.	Eleven (11)

Direct Payroll

Labor	Title	Hours	Rate	Extension	Totals
J. Krosschell	Project Engineer	10	$46.75	$467.50	
J. Krosschell	Project Engineer O/T		$70.13	$0.00	
T. McCann	Engineering Technician		$30.50	$0.00	
D. Hall	Survey Technician		$35.75	$0.00	
F. Feemster	Survey Technician		$29.75	$0.00	
F. Feemster	Survey Technician O/T		$44.63	$0.00	
C. Feemster	Survey Technician		$17.50	$0.00	
C. Feemster	Survey Technician O/T		$26.25	$0.00	
D. Abbott**	Engineering Technician		$30.50	$0.00	
Direct Salaries				$467.50	
General Overhead 161.35% of Labor				$754.31	
Net Fee This Statement:				$100.00	
Total Direct Payroll, Overhead & Net Fee					**$1,321.81**

Direct Expenses:

Per Diem & Subsistence

Mileage

Motel

Equipment Rental

Total Direct Expenses

Total Cost Claimed **$1,321.81**

Signature

Company Representative Name

11-26-24
Date

CASE NO	DEFENDANT'S NAME / OFFICER'S NAME	TICKET NO	CRT DATE / OFN DATE	FINE / OFFENSE DESC	CRT COST	OFFN FEE	ACTN FEE	CASE TOTL	AMT PAID / LST PYDT	AMT DUE
202400033	FEHSENFELD, WESLEY J LEDEZMA ALEX	5103	12/10/24 11/06/24	36.00 SPEEDING 11 MPH OVER	74.50	23.50	.00	134.00	134.00 11/13/24	.00
202400034	SPRATT, ROBERT R LEDEZMA ALEX	5104	12/10/24 11/15/24	42.00 SPEEDING 12 MPH OVER	74.50	23.50	.00	140.00	140.00 11/18/24	.00
202400035	LEITCH, KYLER T LEDEZMA ALEX	5105	12/10/24 11/16/24	.00 SPEEDING 12 MPH OVER	.00	.00	.00	.00	.00	.00
						REPORT TOTALS		274.00	274.00	.00

Terrane Resources Co.

P.O. Box 173 Stafford, KS 67578 620-546-3616

KANSAS GROUND WATER: STRAIGHT UP FROM THE ROCKS!

CITY OF ANTHONY, KS:
ISSUES AND CONCERNS RE: ADDITIONAL WATER
FOR THE GOLF COURSE; 29 OCTOBER, 2024

This evaluation is written to explore options for additional water to supplement the irrigation water demand at the current Anthony Golf Course.

The Golf Course(GC) is currently being supplied irrigation water by the surface diversion from the City Lake and 3 ground water wells located near the SE corner of the Golf Course.

The data we have reviewed to date indicates additional water may be available from the current GC water wells and / or the Harper Well Fields.

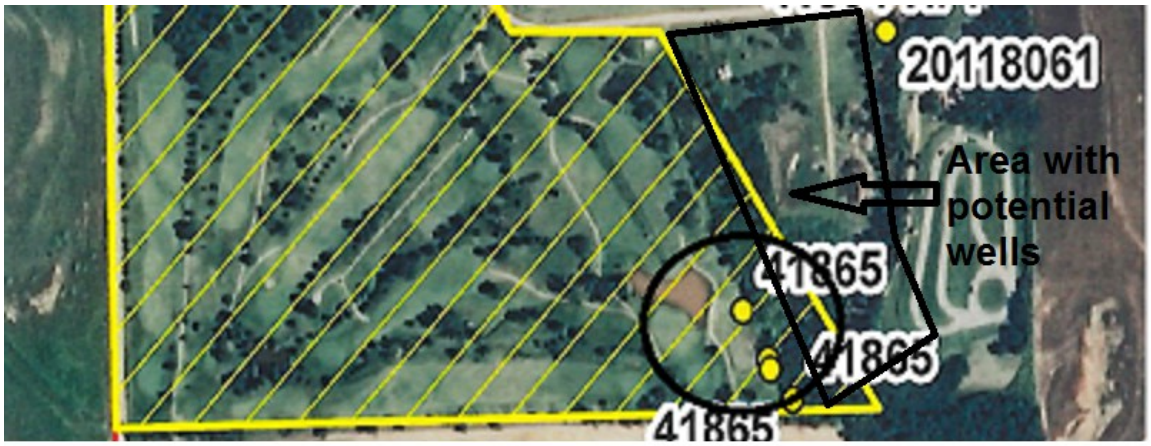
Both options have limitations that need to be further explored.

Additional water from the existing GC supply wells may be an option and will depend on proper well and storage evaluation.

Additional water from the Harper Well Fields is also an option but is limited by the facilities on site.

Golf Course(GC) Well Field:

The GC is being irrigated by a battery of 3 wells near the SE corner and by withdrawals of surface water from the City Lake.



THE WEALTH OF THE SYSTEM IS DEPENDENT ON THE HEALTH OF THE WELLS!

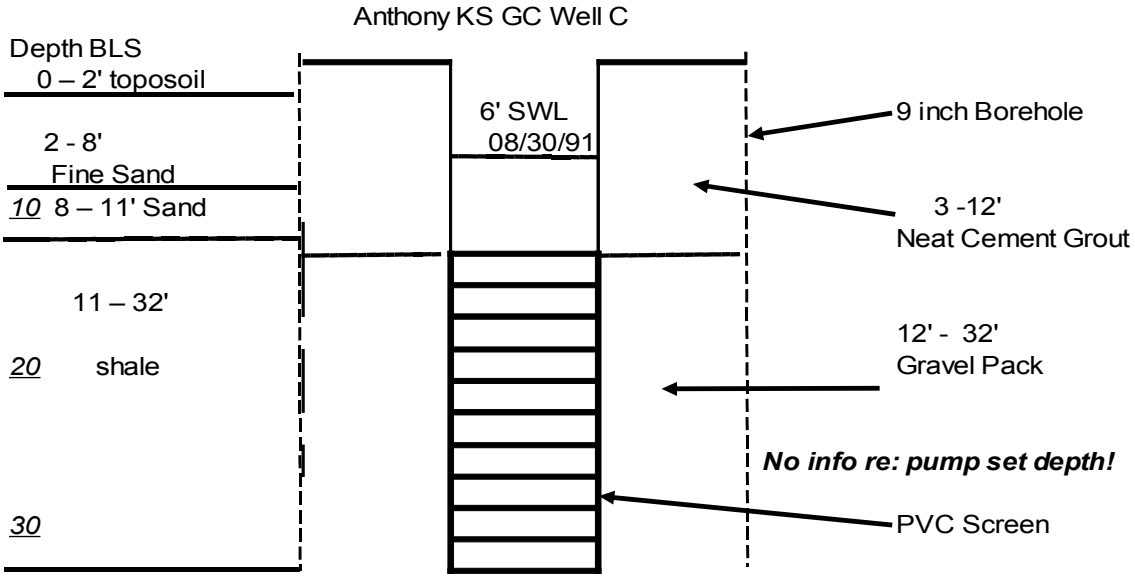
The map above shows the 3 wells, their geographical center and a 600 foot diameter circle around the geo-center. A battery of wells can be up to 4 wells all within a 600 foot diameter circle.

Spreading the wells apart, and or adding an additional well may be an option. Making those changes would better utilize the 600 foot spacing allowed. Which, should minimize any drawdown interference between wells.

The GC wells apear to be slightly artesian from the shale formation, based on data from the well record.

Open hole completion may increase production. Most shale formation wells yield water from the secondary porosity such as fractures and cracks. Gravel packing the screen interval with filter pack may actually plug them up and minimize the specific yield potential of the formation.

The secondary porosity plugging would be similar to filling a tank with bricks and then filling in around them with gravel pack which would restrict the fracture flow. The bricks themselves will not store or transmit water and therefore have no primary porosity. The secondary porosity would be the spaces and gaps between the bricks. Such as fractures and solution channels in the shale. So, filling the borehole with gravel pack tends to bridge off the fracture flow and limits formation development.



Below is a WWC-5 water well record for one of the GC wells: Well C. All of the GC wells have similar consruction.

GC Well C:

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Harper | Fraction: SW ¼ NE ¼ SW ¼ | Section Number: 14 | Township Number: T 33 S | Range Number: R 7 E/W

Distance and direction from nearest town or city street address of well if located within city?
1 N ½ W Anthony

2 WATER WELL OWNER: Anthony Golf Club
RR#, St. Address, Box # : Anthony, Ks. 67003
City, State, ZIP Code : Board of Agriculture, Division of Water Resources Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: N / NW / NE / W / E / SW / SE / S; 1 Mile

4 DEPTH OF COMPLETED WELL 32 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. 11 ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 6 ft. below land surface measured on mo/day/yr 8-30-91
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield 10 gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 8 9 in. to 32 ft., and in. to ft.
WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well
Was a chemical/bacteriological sample submitted to Department? Yes No; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)
CASING JOINTS: Glued Clamped Welded Threaded
Blank casing diameter 5 in. to 12 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 17 in., weight lbs./ft. Wall thickness or gauge No. .210
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)
SCREEN-PERFORATED INTERVALS: From 12 ft. to 32 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 12 ft. to 32 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
Grout Intervals: From 3 ft. to 12 ft., From ft. to ft., From ft. to ft.
What is the nearest source of possible contamination:
1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)
Direction from well? NE How many feet? 700

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	soil			
2	8	fine sand			
8	11	sand			
11	32	shale			
		could not grout to 20 ft because of formation			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 8-30-91 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 140 This Water Well Record was completed on (mo/day/yr) 8-30-91 under the business name of Lyman Inc. by (signature)

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼

The limited water level info, for this well indicates the shale formation has enough pressure to push ground water up inside the well casing. Water rising above the formation, it is produced from, indicates this is a non-flowing artesian well.

Due to the minimal grouting of 3 – 12' the grout extends only 1 foot into the shale. A minimum of 5 feet into the shale is what is required.

This type of construction creates more questions than answers.

Is the shale formation truly artesian?

If a well was constructed only in the sand aquifer would it have 5 feet of saturated thickness?

Could the upper sand formation actually yield better quantities than the shale?

How much have the water levels changed due to drought?

Can the wells achieve a combined pumping rate of 45 gpm?

A 10 – 20% increase in pumping rate would be a considerable amount of water during a 12 hour period.

Mitch Hall, with H2O Drilling, indicated there was some very limited data sent with the invoice when he worked on the GC wells. I have not seen that data. Aquifer tests and measurements could be made to verify areas of influence for each of the wells and as a combined pumping system.

Pumping the wells to a pond for GC usage is not uncommon. Several GC's use this technique to store water for large capacity pumping to the irrigation system.

This method allows the wells to pump at a constant head pressure.

Constant head presure on wells makes for consistent pumping volumes. Pumping rates will change in relationship to the volume of the tank if all the water enters from the bottom, thus changing the head pressure on the pump.

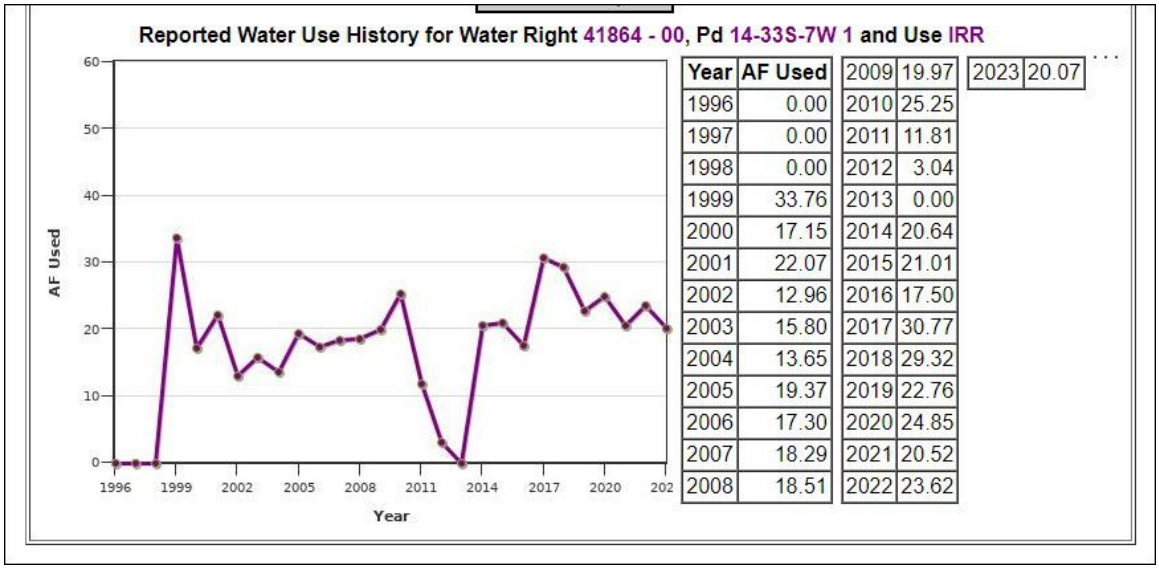
One of the nearby ponds could possibly be used for storage to feed the pump to the irrigation system or the system storage tanks. This would allow the wells to be pumped overnight and potentialy increase the produced water quantity. If the produced water is sent to the tank via a pipe that enters the top of the tank then head pressure is kept consistent.

During our site visit, it appeared there are wells on City property on the West side of the Creek and East of the GC. These wells seemed to be associated with

steel storage tanks that are no longer used.

If true they should be evaluated and possibly permitted and piped to the GC system.

The chart below is from the DWR water right database. It shows the amount of Acre Feet(AF) used. This water right for the wells at 9.5 AF and the one for the surface water right are combined and limited to 23 AF per year at 45 gm. The data indicates there are numerous years the usage was less than what is allowed.



Year	AF Used				
1996	0.00	2009	19.97	2023	20.07
1997	0.00	2010	25.25		
1998	0.00	2011	11.81		
1999	33.76	2012	3.04		
2000	17.15	2013	0.00		
2001	22.07	2014	20.64		
2002	12.96	2015	21.01		
2003	15.80	2016	17.50		
2004	13.65	2017	30.77		
2005	19.37	2018	29.32		
2006	17.30	2019	22.76		
2007	18.29	2020	24.85		
2008	18.51	2021	20.52		
		2022	23.62		

To increase the amount of water using the existing sources or adding new ones will have to be justified to DWR as a reasonable request. “Just because we want extra water” may not be a valid reason.

Especially, when the GC study indicates the current supplies are sufficient.

Harper Well Fields and Plant Site.

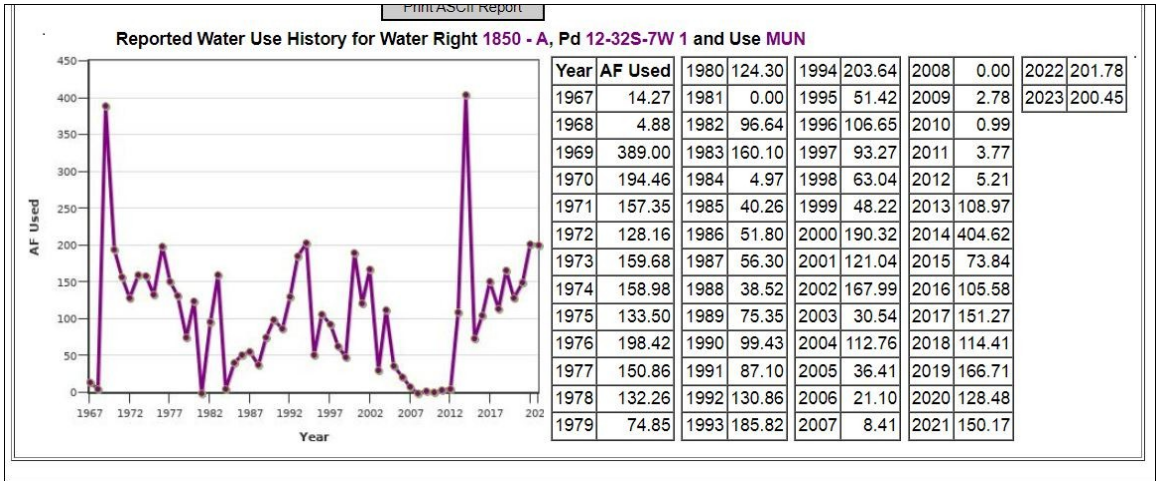
The Harper Well Fields consists of PWS Wells #1, #2 and #3 at the plant / lagoon site and PWS Wells #4 and #5 are situated approximately ½ to1 mile to WSW.

The City has good data with regards to well construction and some aquifer test data. There is limited pump placement and setting data for Wells 1 – 3. The pump data for Wells 4 & 5 is informative with regards to potential impacts on the aquifer.

Actual individual water quality data for the wells is minimal and lacking. The lack of individual water quality data for the wells is indicative of the less than ideal usage of a Point of Entry (POE) for sample collection. We see very little diagnostic benefit to POE samples unless very detailed individual well pumping records are kept.

The KDHE is slowly recognizing the limits of POE samples and are evaluating(again, slowly) the changing back to individual well sampling protocols.

The question of whether the Harper Well Field will have sufficient water to send to the GC can be answered with with a yes, a no and a maybe. Though the data is limited we will explore each option.



Year	AF Used								
1967	14.27	1980	124.30	1994	203.64	2008	0.00	2022	201.78
1968	4.88	1981	0.00	1995	51.42	2009	2.78	2023	200.45
1969	389.00	1982	96.64	1996	106.65	2010	0.99		
1970	194.46	1983	160.10	1997	93.27	2011	3.77		
1971	157.35	1984	4.97	1998	63.04	2012	5.21		
1972	128.16	1985	40.26	1999	48.22	2013	108.97		
1973	159.68	1986	51.80	2000	190.32	2014	404.62		
1974	158.98	1987	56.30	2001	121.04	2015	73.84		
1975	133.50	1988	38.52	2002	167.99	2016	105.58		
1976	198.42	1989	75.35	2003	30.54	2017	151.27		
1977	150.86	1990	99.43	2004	112.76	2018	114.41		
1978	132.26	1991	87.10	2005	36.41	2019	166.71		
1979	74.85	1992	130.86	2006	21.10	2020	128.48		
		1993	185.82	2007	8.41	2021	150.17		

The DWR data above shows the water usage for the water right that covers all 5 wells. It shows the City has 400 AF of water rights. Historically the City uses 200 AF or less per year.

Pumping 400 AF would require all 5 wellls to pump 100 gpm each for 12 hrs for a year.

So Yes! The Harper Well Fields appear to have the capacity to handle additional usage at the GC.

However, under the current equipment configuration the Harper Well Fields can not handle the additional usage at the GC.

The main reason for the 'No' is the lagoons at the plant site can not handle the additional process waters from the plant.

The City is routinely out of compliance with regards to freeboard at the lagoons.

Additionally, the City supplies at the plant site are under threat from leaks at the

plant and the lagoons.

There are fundamentals to Source Water Protection that should never be ignored. Unfortunately, many were when the lagoons and plant were installed.

The essence of the removal plant is to remove a somewhat troublesome contaminant and in the process creates a contaminant that is very expensive to handle, dispose of and is difficult to minimize environmental damage. It is my opinion that salt contamination is 10 to 100 times worse than nitrate.

There are only 2 types of storage / containment, those that leak and those that have not been built!!!!! Much like pipelines, unfortunately, a current issue the City is dealing with.

This is a fundamental concept that has proven true over the many years of investigating and cleaning up contamination sites. Many being caused by leaking lagoons or storage containments. Ignoring this fundamental concept has lead to some very expensive cleanups.

The City has already seen containment failue that ponded saltwater around Well #3. The pictures below show the saltwater that escaped from the plant which ran downhill to and around PWS #3. The “down hill” reference will be discussed later in this report. The spillage actually left the compound area and entered the ditch. The spill was caused by an equipment failure which caused a salt tank to be overflowed. A portion of the spill went down the floor drain in the plant and ended up in a lagoon. A significant portion escaped the building and ran towards and ponded around PWS #3. This spill site is also up-gradient of PWS #2 and could enter the capture area for PWS #1.

The aerial picture below shows the location of the PWS Wells, the plant site and the salt water lagoons. The cirlces around each of the wells show the area of influence for each well. These circles are based on the pump test data collected and are part of the Layne Western reports.

These lagoons represent a direct threat to the water security and the aquifer quality stability for the City of Anthony and down gradient neighbors.

The KDHE and the ground water industry failed the City by not protecting the aquifer for Wells #1 - #3. Therefore, adding new or replacement wells at the plant site may be problematic due to KDHE design criteria and spacing requrements.

There is no argument that can be made to justify the placement of the plant and lagoons within the areas of influence / rechage areas / capture zones for Wells #1, #2 and #3.

The area of influence / recharge area / capture zone for these wells should be classified as the Inner Sanctum, the Holiest of Holy's. These areas were designed to be protected when the EPA Well Head Protection Area program was developed in the “80's”

Below is a listing of some of the criteria that would have to be met to install new wells. And, protect existing wells

KDHE Design Criteria: These regs are in place to protect existing and future ground water supplies.

CHAPTER IV

SOURCE DEVELOPMENT

D. GROUNDWATER – RESOURCE FACILITIES AND OTHER REQUIREMENTS

Groundwater sources include water from drilled, bored, or driven wells and infiltration lines, not under the direct influence of surface water. Drilled wells are preferred. Springs are considered surface water sources (Section C). Sources most likely to be under the direct influence of surface water (GWUI) include infiltration lines, horizontal collector wells, and shallow wells with screen openings less than 50 ft. (15 m) deep and located within 200 ft. (61 m) of surface water. Under the SWTR, all GWUI must be treated like surface water (Chapter V, Section M on Disinfection).

All water obtained from wells shall be disinfected and filtration employed where needed (Chapter V, Section M on Disinfection). The extent of water treatment required will be determined on the basis of geological data, well construction features, nearby sources of contamination, laboratory analyses, and MCLs. When a well draws water from creviced limestone strata and it is evident that the limestone supply is contaminated, the use of that supply cannot be considered appropriate unless the water is properly treated, in part by clarification and filtration, to eliminate harmful contaminants.

The criteria above establishes some of the items to consider when developing a new well field. However the fundamental concepts would apply to existing systems to protect the source of supply,

Most of the criteria listed were not adhered to when the contamination sources were installed. Some appear to have been completely ignored.

1. SANITARY SURVEYS – By means of a sanitary survey, the PWSS evaluates the potential threats to a proposed well presented by nearby sources of contamination. This allows the PWSS to estimate costs to reduce or contain threats to the proposed well by contaminant sources identified in the survey. Sanitary surveys made for selection of locations for wells should consider the following items:

   a. Character of local geology, size and topography of catchment area, and slope of ground surface, as such factors relate to the potential transport of contaminants toward the well.

Locating new wells would require starting with this criteria. Protecting exisiting sources would need to follow the same criteria.

Apparently this was not done.

b. Nature of soil and underlying porous strata whether clay, sand, gravel, or rock (especially porous limestone); and coarseness of sand or gravel, thickness of water bearing stratum, depth to water table, and location and log of wells in the vicinity that are in use and/or abandoned, as such factors relate to the potential transport of contaminants towards the well. Geologic data should be obtained for new wells at 5 ft. (1.5 m) intervals and at each pronounced change in formation along with other pertinent well drilling information. KGS maintains a Well Sample Library in Wichita.

c. Slope of water table, as determined from observation wells, preferably, or from studies of wells in the area.

d. Extent of drainage area likely to contribute water and potential contaminants to the supply, population of drainage area, and waste disposal methods employed in the drainage area.

e. Susceptibility of the proposed well location to flooding from nearby surface waters as indicated by the boundaries of flood plain delineations or historical high water elevations.

f. Nature, distance, and direction of potential local sources of pollution such as animal feedlot operations, sanitary landfills, seepage pits, cesspools, septic tank lateral fields, privies, sink holes, salt or brine supplies, test holes, abandoned wells, borings, and chemical manufacturing, handling, and storage facilities, including underground storage tanks, pipelines for industrial products, and industrial lagoons.

Criteria “b. thru e.” appear to have not been adhered to. The Plant site drains contaminated water towards PWS #3. These criteria are important for new wellls and the protection of existing wells.

It is readily apparent criteria “f.” was completely ignored. Both salt or brine supplies, handling and storage facilites were installed as lagoons and as salt storage containment in the building.

g. Special care should be taken to determine nitrate sources in the proposed well's recharge area and to evaluate fully the nitrate concentration in the aquifer in which the well will be completed. In addition to nitrate sampling of test holes in the immediate vicinity of the proposed public water supply well, other sources of information that should be considered include data from irrigation wells or other water supply wells in the general vicinity, KGS bulletins assessing the geology and hydrology of the region, and data from the KDHE Groundwater Quality Monitoring Network. The nitrate level in the aquifer in which the well will be completed should be significantly less than the current nitrate MCL unless blending with other low nitrate water or treatment for nitrate removal will be provided.

h. The SWA conducted for the PWSS under SWAP shall be reviewed as part of the sanitary survey when determining the sources of real or potential contamination. The SWA shall be updated as is necessary based on the findings of the sanitary survey.

Criteria "g." appears to have been completely ignored with regards to the nitrate sources. It appears the KDHE allowed the center pivot and ag to contaminate the existing wells. And subsequently ignored "Special care" when the nitrate contamination is being replaced by salt contaminants. These sources are not non-point sources

Criteria "h." appears to have been ingnored and the Sanitary Surveys were not performed to delineate the Source Water Areas around the wells. It appears site specific Source Water Area Protection delineations were not developed for the existing wells.

2. LOCATION AND PROTECTION OF WELLS – Groundwater sources shall be located, constructed, and maintained in a manner which will assure minimal possibility of contamination and be so situated and developed as to prevent surface water from entering the well. During the installation of the well, the contractor shall provide protection to prevent tampering or accidental entrance of foreign materials. The following are specific siting limitations for new wells.

a. There must be an absence of pollution sources within 100 ft. (30.5 m) of the well. Documentation must be provided to confirm the absence of such sources. Either ownership or a perpetual easement must be obtained by the

owner of the well for the land within 100 ft. (30.5 m) measured horizontally outward from the well center. In either case, positive assurance is to be provided that no septic tanks, wastewater facilities, sanitary sewers, force mains, or tile absorption fields will be allowed within that area.

The owner may use the land for agricultural or pasture purposes except that livestock must be kept at least 100 ft. (30.5 m) away from the well. Use of the land for any purpose shall not significantly contribute to pollution of the source water. Sanitary sewers to serve residential areas outside the 100 ft. (30.5 m) wide protected zone shall transport the wastewater, either treated or untreated, to either a point downstream from the well or to a separate watershed.

If the land in question is owned by someone other than the owner of the PWSS, then a copy of a perpetual easement, detailing any limits or constraints on the use of the land by either party and showing the stamp of the Register of Deeds, must be submitted to KDHE. If the land is owned by the PWSS, then they must provide a letter to KDHE which acknowledges the ownership. Where the land in question is owned by the PWSS and other owners, the ownership letter and perpetual easements must be submitted to KDHE for the appropriate areas of land. In all cases, the documents must indicate that no potential sources of pollution will be allowed within 100 ft. (30.5 m) of the well.

Criteria “2.” and “a.” pertain mostly to new well construction and location. However, the fundamentals of protecting new sources can be applied to existing sources.

Contamination sources were placed within the areas of influence for the existing wells.

Installed contamination sources have contributed surface runoff contamination at a minimum.

b. Proper drainage in the vicinity of the well shall be provided so as to prevent the accumulation of surface water, either by runoff or backflow, to within 100 ft. (30.5 m) of the well.

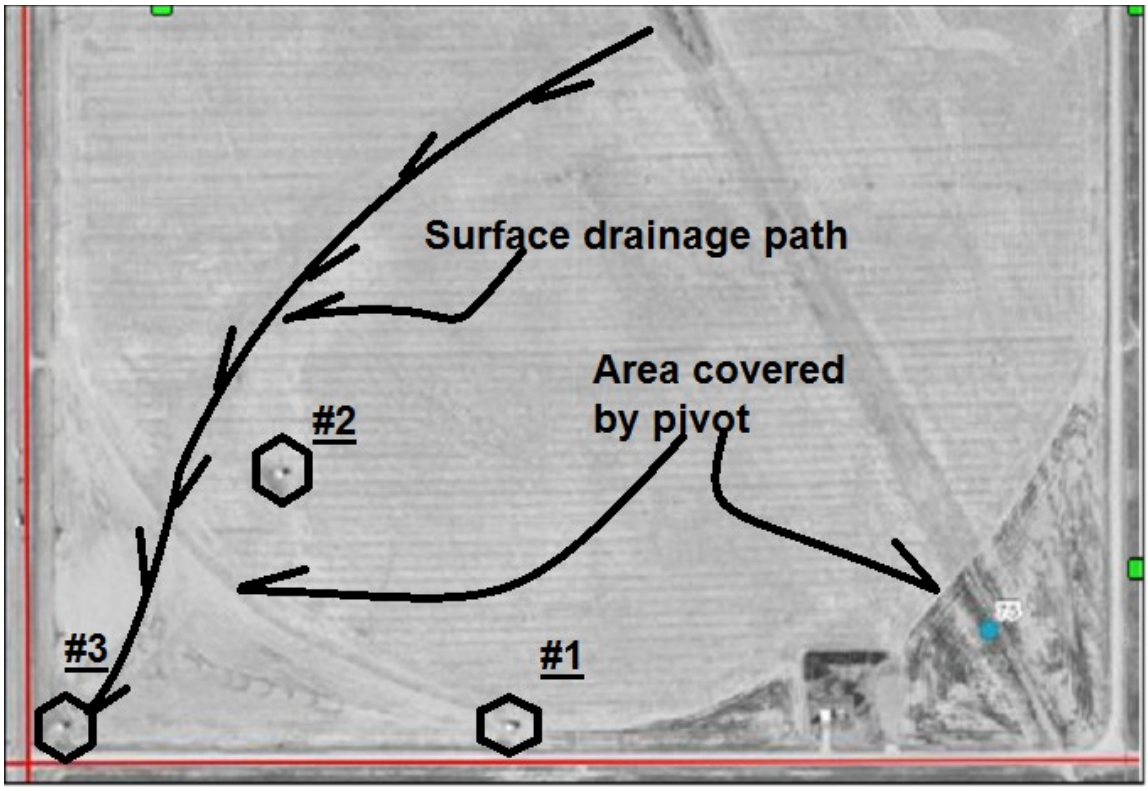
c. Wells located on a hillside or at the foot of a hill shall be avoided where sources of pollution are present on the slope above and within 300 ft. (91.4 m) horizontally of the well. An adequate intercepting ditch shall be constructed and maintained so as to keep hillside storm water at least 100 ft. (30.5 m), measured horizontally, away from the well.

d. The well shall not be located in a ravine where surface water flows may be obstructed or concentrated.

Criteria “b.,c.and d.” appear to have been ignored. Contamination sources were installed upgradient of the wells and within the minimum 300 ft horizontal criteria.

It appears no surface controls were constructed.

The wells have been subject to this criteria from the time they were installed. As shown by the aerial photo below showing some of the surface drainage, wells and the original relevant area covered by the center pivot.



Subsequently, additional sources of contamination have been added to the areas that will have potential impact on the wells.

> g. A wellhead protection plan for continued protection of the wellhead from potential sources of contamination shall be provided as determined by KDHE. The PWSS's sanitary survey and SWA should be reviewed as part of developing a wellhead protection plan.

Critera "g." appears to have not been considered. Even the generic SWPA plans prepared for the systems, that did not have site specific plans prepared, would not have allowed the contamination sources as installed.

If we are not protecting the Aquifer we are not protecting the System.

Again, there is no argument that can be made that would allow the additional contamination sources to placed within the areas of influence and capture zones for the PWS Wells at the plant site.

The ground water and regulatory industries appear to have failed the City by approving the placement of lagoons and plant in the well field.

Because of the new contamination sources we may not be able to install a new / replacement well at the plant site.

An oilfield saltwater storage lagoon would not be allowed. A dead cat / dog or livestock hide procesing facility would not be allowed to put a saltwater lagoon in this location. (yes a bit over the top but then so is the actual approval of these facilities). A saltwater storage lagoon for underground salt dissolution would not be allowed etc....

Some of the new / replacement lagoons at some salt mining / storage facilities are using 3 liners per lagoon.

Disposing of the lagoon waste will be expensive. The last saltwater project we consulted on required disposal at Cavern Storage, South of South Hutchison. Based on recent conversation with the storage staff getting rid of the saltwater may be a significant challenge as they have converted over to carbon sequestration.

There are numerous regs the KDHE appears to have ingnored or did not apply, subsequently allowing the threat to manifest. It is absolutely puzzling why the KDHE would allow the pivot to travel over one well and barely bypass the other.

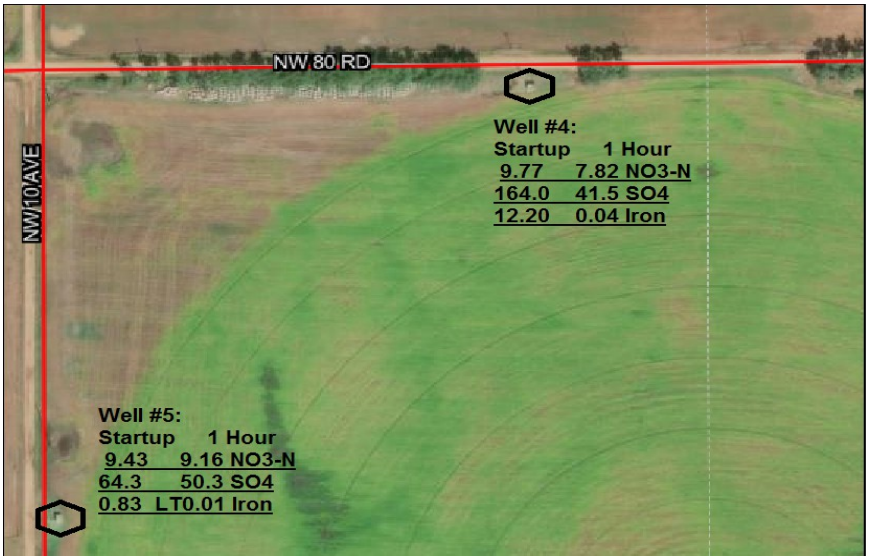
One option to consider in order to send additional water to the GC is to truck out the excess saltwater from the lagoons and make room for more effluent brine. At this time, it is not clear where that waste would go or the cost of disposal. Based on previous projects it is estimated each foot of water in the lagoon will cost 50 to 75 thousand dollars to dispose of. If a close disposal facility can be found.

Currently, Class 1 non-hazarous disposal wells are running 1 - 2 million dollars each to install. They would have to be tested at least yearly if not every 6 months

The aerial photo below shows PWS #4 and #5 with their respective water quality data.

The lab data shows PWS #4 has less NO3-N present in the well after an hour of pumping. We have seen this phenomenon before and attribute it to lack of proper grouting in annular space of the well. The annular space is between the casing and the borehole. The Nitrate values for both of the wells is under 10. Based on this data a 50:50 blend of the water from both wells would have a Nitrate value of 8.49 mg/L.

It s interesting to note the Sulfate(SO4) concentration drops considerably with pumping from Well #4. Recent publications indicate increased Sulfate in the feed water to the plant can actually strip Nitrates off the media and send it out to the system.

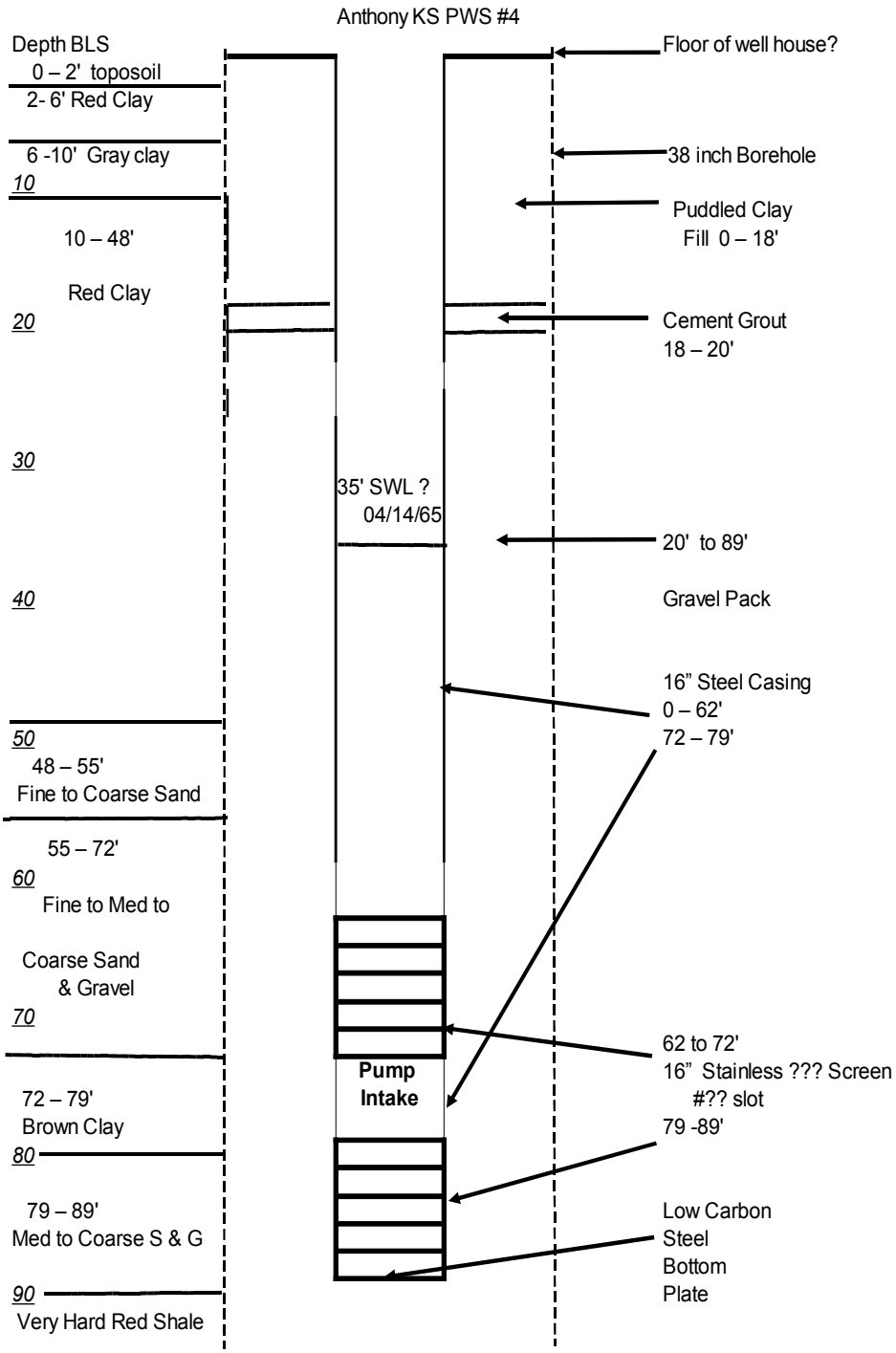


The increased Iron content in the startup samples indicates the presence of Iron bacteria and / or galvanic corrosion of the low carbon steel(LSC) casing. The corrosion process would provide Iron as a food source for the bacteria. In addition, the bacteria themselves will attack and feed off the LCS Ultimately, these processes can cause casing and some times screen failure in the well.

There is some concern re: the amount of iron being pushed through pipelines to the treatment vessels which may be impacting the effectiveness of the ion exchange media. There is Iron buildup within the plant as evidenced by the small plastic tubing used in the plant. This tubing is being coated on the inside with an iron based deposit. Those iron based deposits may be impacting the media, monitoring equip, valves and check valves,etc. Tyically, there is bag filter placed upstream of the vessels. As we have seen in other plants this filter catches the big iron deposits but bypasses the dissolved or small fraction material.

The well graphic below shows the litholgic formation material, casing and screen types and placement, well bore diameter, filter pack, grout intervals and the approximate location of the pump intake.

The grout interval and type are common for wells of this age. Unfotunately, they were built for production not water quality. We do recognize when all the wells were installed commercial fertilizer were either just beginning use or had been available for only for a few years.


Anthony KS PWS #4
Depth BLS
0 – 2' toposoil
2- 6' Red Clay
6 -10' Gray clay
10
10 – 48'
Red Clay
20
30
40
50
48 – 55'
Fine to Coarse Sand
55 – 72'
60
Fine to Med to
Coarse Sand
& Gravel
70
72 – 79'
Brown Clay
80
79 – 89'
Med to Coarse S & G
90
Very Hard Red Shale
35' SWL ?
04/14/65
Pump
Intake
Floor of well house?
38 inch Borehole
Puddled Clay
Fill 0 – 18'
Cement Grout
18 – 20'
20' to 89'
Gravel Pack
16" Steel Casing
0 – 62'
72 – 79'
62 to 72'
16" Stainless ??? Screen
#?? slot
79 -89'
Low Carbon
Steel
Bottom
Plate

"…. A deep well is no safer than a shallow one, unless the upper part of the deep well is properly consructed to seal out all shallow water and surface drainage..."

From Water-Well Supplies, Eng. Bull. No. 22, 1947, Univ. of Kansas, published by Kansas State Board of Health, Sanitation Division

The above fundamental concept regarding well construction, was published in 1947, it is still applicable today and actually more relevant.

As with most wells of the age of the City's, few adhered to that concept. Sometimes we can upgrade the wells and minimize contaminant inflows. Additionally, we have been succesful with lowering the pump intakes and slowing the production rate down.

Ground water flow within the sands and gravels tend to be horizontal as that is the orientation the formation was deposited. That is until we drill a hole into them and create an artificial contaminant pathway with the filter pack. The new pathway allows for contaminant transport to now run vertical, both up and down the borehole.

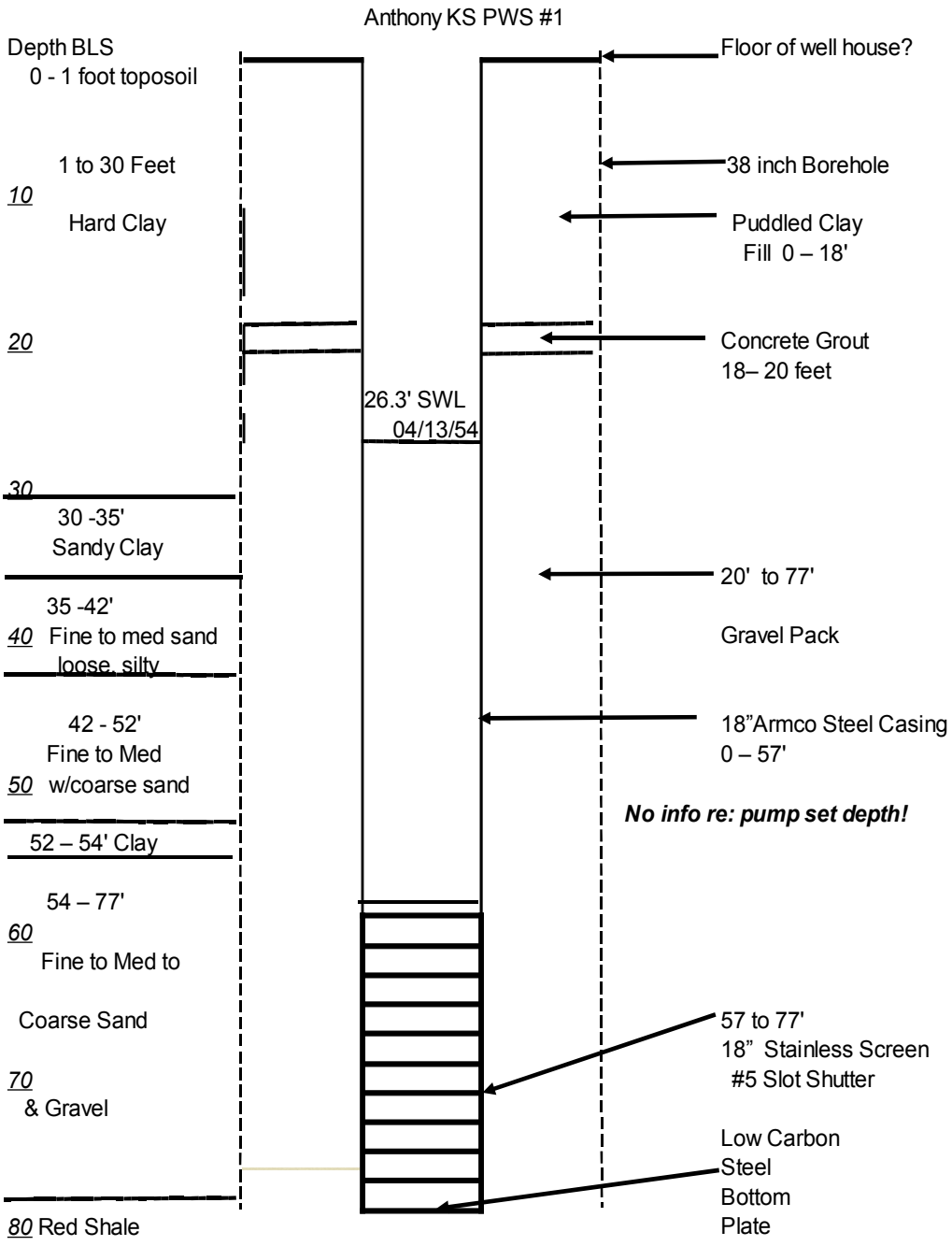
The current wells are designed and built to commingle the shallow portion of the aquifer with the deeper portion.

Lowering the pumps? And reducing the pumping rate may minimize the infiltration of Nitrates into the wells.

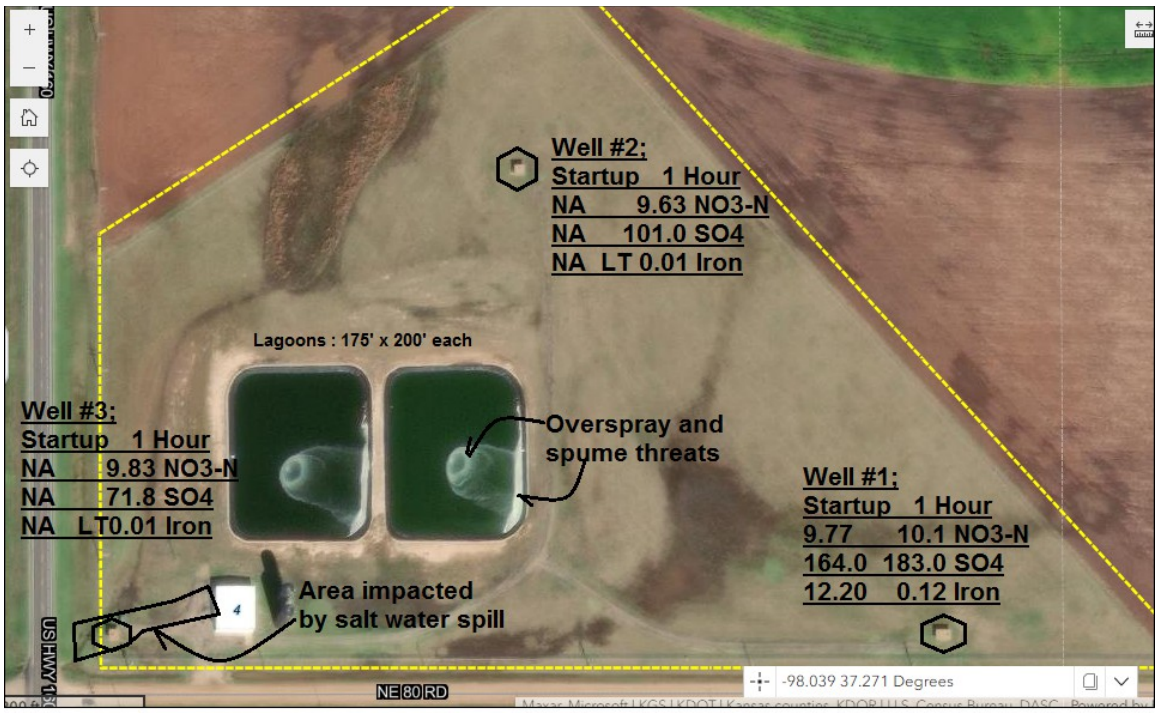
Wells #4 and #5 might be repaired or modified but do not have sufficient sanitary easements to facilitate replacement at the current sites.

Properly placed and designed monitoring wells would help identify the water quality of each zone at the well sites.

The graphic for PWS #1 below shows some of the same isues as Well #4. minimal grouting and we have no information about the pump setting. Wells #2 and #3 are constructed in the same manner.



The aerial below shows the locaion of the wells, the water quality from the sampling event, the salt spill area, potential surface contamination from the lagoon aeration equip and runoff areas impacted by the nearby irrigation field.



The lab data for these wells indicate Nitrates hover around the 10 mg/L value. The sulfates increase with pumping in Well #1 and are significantly higher than Wells #2 and #3. Again, this increase in Sulfates may impact plant efficiencies.

The plant removes nitrates and stores it on the media until recharged by saltwater. The data we are reviewing indicates some of the wells have elevated Sulfates SO4. There is some published data which indicates the media would rather strip out Sulfates then Nitrates. When elevated Sulfate water is sent to the vessels the media might shed Nitrates into the water going to the City's storage.

Having to rely on Point OF Entry(POE) water quality from the plant puts the City in a bind and blind with regards to managing the water quality to the plant. The more consistent the water quality blend to the plant the more efficient the plant is. Conversely, when the POE samples go out of compliance you are back to sampling individual wells to try and find the offending contaminant.

Wells #2 and #3 appear to be in current or old drainage from the irrigated field. This situation may cause quality issues due to the minimal grout in the boreholes.

Sending well field water to the GC increases the plant usage and will further challenge the saltwater storage capacity capabilities of the lagoons.

The Nitrate removal plant is for Nitrates only, It is important to understand various contaminants can affect the efficiency of the plant. Iron, Manganese,

Sulfates and bacteria are just a few of those contaminants.

It appears the overspray from the fountains and the spume blowing out of the lagoons is impacting the surface soils around the lagoons (salt scaring) Soil samples would verify that condition.

The limited pump setting information reviewed indicates the pumps are not set to maximize the water produced from the bottom of the aquifer. The bottom is where we typically find lower Nitrate water. Along with minimal well grouting it appears the wells are set up to produce from the upper part of the aquifer.

When the application of fertilizers is stopped or significantly reduced in the recharge area / the area of Influence / the capture zone, water quality typically Improves with time!

5 wells at reduced pumping rates of 100 gpm would operate 12 hrs per day for a year. Using combined pumping rates and pumping everyday should allow for better well field management. Especially if well specific sampling increases.

The data from the wells indicates the City might be able to blend the waters from specific wells and eliminate the need for the plant. This will not be an easy process, the KDHE has only a couple of staff members that would even understand the process or be willing to allow the City to manage their own well field. As evident by them even approving this facility location to begin with.

It appears the well fields were never truly evaluated. It is possible the high Nitrate water in the upper portion of the aquifer can be pumped out, utilized and cause a significant reduction in the Nitrates affecting the wells.

As always, if you have any questions let me know.

Respectfully Submitted,

Ned Marks

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To: Anthony City Commission Re: Chief of Police report

From: Kenny Hodson Date: 12-03-2024

We investigated a runaway and located her in another city

We arrested Derick Dent for possession of marijuana and attempting to flee

We arrested Alfredo Ramirez for DUI

We arrested Joseph McCartney for Aggravated assault on a LEO and Domestic battery

We investigated one minor traffic accident

We helped serve food for the CORE group

New officer Iansun Hyrst started work and left for the academy monday

Department Reports
12/3/24

ELECTRIC DISTRIBUTION
Report of outage at 66 W. K2. Cause from tree.
Report of outage 6N. 8W. Verizon Tower. Found no problem.
Moved Santa House to Wayne Dennis parking lot.
Set up Christmas Tree in West Park.
Report of outage at 124 N. West St. Cause from wildlife.
Delivered 34 Door Knockers.
Replaced Downtown Christmas lights and brackets.
Presented winning bids to vendors for Sunrise 2 and Industrial Park Street lighting and materials.
Matt Miles was here for PCB Audit. Everything is in compliance.
Just Read Orders
Turn On/Off Orders
Locates

POWER PLANT
No Report

STREET
Regular grading town & lake
Continue to sweep rock
Burned east tree pile
Taking out concrete at warrior field
Patched pothole at Main and Anthony, also other spots around town
Helped set out Christmas decorations in Memorial Park
Helped set up Santa House

WATER/WASTEWATER
Rounds, locates, cleaned shop, filled generators
Took water plant pump to B&B
Toilet repair in the fire station
Pumped water plant septic
Issues with water plant communication
Took golf course pump out
Repaired leak on N. Springfield
Installed radio for water plant communication
Fixed leak at the ball fields
Water service rebuild 1003 N Springfield
Replaced broken can 203 N Springfield