FILED April 25, 2022 INDIANA UTILITY REGULATORY COMMISSION

STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

)

)

PETITION OF ST. ANTHONY WATER UTILITIES INC FOR A NEW SCHEDULE OF RATES AND CHARGES FOR WATER SERVICE

) CAUSE NO. 45671-U

PUBLIC'S EXHIBIT NO. 3

TESTIMONY OF CARL N. SEALS

ON BEHALF OF

THE INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

April 25, 2022

Respectfully submitted,

INDIANA OFFICE OF UTILITY CONSUMER COUNSELOR

Kelly Earls, Attorney No. 29653-49 Deputy Consumer Counselor **OFFICE OF UTILITY CONSUMER COUNSELOR** 115 W. Washington St. Suite 1500 South Indianapolis, IN 46204 Email: <u>keearls@oucc.in.gov</u> <u>infomgt@oucc.in.gov</u>

CERTIFICATE OF SERVICE

This is to certify that a copy of the *Public's Exhibit No. 3 – Testimony of Carl N. Seals on behalf of the OUCC* has been served upon the following counsel of record in the captioned proceeding by electronic service on April 25, 2022.

ST. ANTHONY WATER UTILITIES INC.

William Hauser 4300 South Santine Road St. Anthony, IN 47575 Email: stanthonywater@psci.net

Kelly Earls Deputy Consumer Counselor

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TESTIMONY OF OUCC WITNESS CARL N. SEALS CAUSE NO. 45671-U <u>ST. ANTHONY WATER UTILITIES, INC.</u>

I. INTRODUCTION

- 1 **O**: Please state your name and business address. 2 A: My name is Carl N. Seals, and my business address is 115 West Washington Street, Suite 3 1500 South, Indianapolis, Indiana 46204. 4 **Q**: By whom are you employed and in what capacity? 5 I am employed by the Indiana Office of Utility Consumer Counselor ("OUCC") as A: 6 Assistant Director in the Water/Wastewater Division. My qualifications and experience are 7 set forth in Appendix A. 8 What is the purpose of your testimony? **Q**: 9 A: I discuss St. Anthony Water Utilities, Inc.'s (hereinafter "St. Anthony" or "Applicant") 10 proposed capital improvement projects, revenue requirement for extensions and 11 replacements, and request to recover periodic maintenance expenses. 12 **Q**: What have you done to prepare your testimony? I reviewed St. Anthony's Small Utility Rate Application ("Application") and its Indiana 13 A: 14 Utility Regulatory Commission ("IURC" or "Commission") Annual Reports for years 15 2016 through 2020. I wrote data requests and reviewed St. Anthony's responses. I reviewed 16 the Commission's final orders in St. Anthony's most recent case. I reviewed reports St. 17 Anthony filed with the Indiana Department of Environmental Management ("IDEM"), 18 which I accessed on IDEM's Virtual File Cabinet. Finally, on April 12, 2022, I met with 19 St. Anthony's Superintendent Roman Wagner and Corporation Secretary William Hauser
- 20 and toured St. Anthony's facilities. Pictures of those facilities appear as OUCC Attachment

1 CNS-1.

5

6

7

2 **Q:** Does your testimony include attachments?

- 3 A: Yes. My testimony includes the following attachments:
- OUCC Attachment CNS-1 Pictures taken during site visit;
 - OUCC Attachment CNS-2 Utility Dashboard;
 - OUCC Attachment CNS-3 March 2021 Preliminary Engineering Report, and
 - OUCC Attachment CNS-4 St. Anthony Customer Comments.

II. ST. ANTHONY WATER SYSTEM

8 Q: Please describe St. Anthony's characteristics.

9 A: According to its annual reports, St. Anthony is a not-for-profit water utility organized in July 1965,¹ currently providing water service to approximately 715 water customers 10 11 located in St. Anthony and surrounding areas in DuBois County. The utility's office is 12 located at 4687 South Cross Street, St. Anthony, Indiana, with utility garage and material 13 storage at another location nearby in St. Anthony. Its service infrastructure consists of three 14 connections to its supplier Patoka Lake Regional Water & Sewer District, approximately 56 miles of asbestos-cement² and polyvinyl chloride ("PVC") mains with diameters from 15 less than two inches to 8 inches, one (former) booster station,³ and two storage tanks, 16 17 further detailed in Table 1. St. Anthony's 2020 IURC Annual Report sets forth some 18 general operating statistics, which I summarize in OUCC Attachment CNS-2. St. Anthony 19 also maintains connections to the City of Huntingburg, Birdseye Water and Dubois Water 20 Utilities, Inc., but these are emergency connections only, and typically no water is

¹ 2020 IURC Annual Report, page E-2.

² Asbestos-cement pipe was originally installed in 1960's. Newer installations have been primarily PVC.

³ The former booster station was originally used to pump water from Huntingburg but is now used for collecting distribution samples, to monitor water feeding towards Huntingburg and north along Patoka Road, and to regulate pressures.

Table 1						
Tank	Description	Capacity	Installed	Last Painted		
1	Standpipe	75,000	1967	2009		
2	Elevated	200,000	1991	2009		

2 Q: What is St. Anthony's water storage capacity?

A: Relying on one elevated storage tank and one standpipe located on its system, St. Anthony
 has a total storage capacity of 275,000 gallons. Comparing average sales in 2020 of
 100,284 gallons per day⁵ with this storage capacity shows that St. Anthony easily meets
 the Ten States Standards recommendation that total water storage meet average day
 demand.⁶

8 Q: Please discuss "water loss" as it pertains to St. Anthony's operations.

- 9 A: IURC annual reports define "water loss" as the difference between total water pumped and
- 10 purchased and the total amount of water sold to customers or used for backwash, flushing
- 11 mains, street cleaning/sewer flushing, or other authorized consumption. Water loss may
- 12 reasonably be attributed to leaks and inaccurate measurement of consumption.

13 Q: How does water loss affect a utility's costs and operations?

- 14 A: Whether finished water is metered, used for operations, or lost through leaks, the cost to
- 15 produce the water is already included in the utility's test year operating expenses. But the

⁴ St. Anthony March 2021 Preliminary Engineering Report, page 2 provided in response to OUCC Data Request 1-1.

 $^{^{5}}$ 36,704,000 gallons sold/366 days = 100,284 gallons per day sold. Total 2020 sales from 2020 Annual Report.

⁶ According to the Recommended Standards for Waterworks, A Report of the Water Supply Committee of the Great Lakes – Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers (2012), Part 7 Finished Water Storage, Section 7.0.1(a) Sizing states: "The minimum storage capacity (or equivalent capacity) for systems not providing fire protection shall be equal to the average daily consumption. This requirement may be reduced when the source and treatment facilities have sufficient capacity with standby power to supplement peak demands of the system."

cost to produce water that is lost through leaks is a cost paid by all customers through
 higher rates.

3 Q: How does replacing inaccurate meters benefit a utility's operations?

- A: Inaccurate meters are typically underreporting flow. While replacing inaccurate meters
 does not affect the cost of producing the water, it avoids subsidization among customers
- 6 and allows the utility to both recognize more accurately the amount of water that is being
- 7 lost through leaks and measure its success in mitigating that problem.
- 8 Q: What is St. Anthony's water loss?
- 9 A: According to its IURC annual reports, since 2016, St. Anthony's water loss values have
- ranged from 5.6% to 12.5%. While this is a generally acceptable range for water loss, the
 trend line shows an increase. (See OUCC Attachment CNS-2.)

12 Q: Do you have any concerns regarding St. Anthony's level of lost water?

- 13 A: I am not currently concerned with the lost water level. In response to OUCC Data Request
- 14 1-25, St. Anthony provided June 9, 2021, confirmation of the Indiana Finance Authority's
- 15 receipt of the results of a 2020 American Water Works Association ("AWWA") Water
- 16 Audit that it performed in 2020.

III. EXTENSIONS AND REPLACEMENTS

17 Q: What extensions and replacements revenue requirement does St. Anthony propose?

18 A: According to its Small Utility Rate Application, Schedule 7, St. Anthony requested

- 19 \$115,000 for its annual extensions and replacements ("E&R") revenue requirement. From
- 20 its application and from my discussions with utility management, I determined the
- 21 following types of projects and expenditures are being considered:

Т	'ah	le.	2
- 1	av	IU.	4

Description	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Fire hydrant replacement	51,175	51,000				\$102,175
Flush hydrant replacement		90,500	90,500			181,000
Valve replacement/addition		25,000	25,000			50,000
PRV/Meter pit rehabilitation					50,000	50,000
Booster station building rehabilitation	12,000					12,000
Bretzville area water main improvements	130,000	130,000	130,000			390,000
SCADA system improvements					261,000	261,000
State Road 162 water main replacement/upsize					1,105,000	1,105,000
County Road 50 E water main replacement/upsize				711,000		711,000
Annual meter upgrades	1,750	1,750	1,750	1,750	1,750	8,750
System-wide meter upgrade					1,068,000	1,068,000
Maintenance truck	65,000					65,000
Office computer system upgrade	25,000					25,000
	\$284,925	\$298,250	\$247,250	\$712,750	\$2,485,750	4,028,925
						(3,453,925)
						575,000
						5
						115,000

1 Q: Please explain the \$3,453,925 deduction from total project costs.

2	A:	Applicant explained that this deduction included any deferred projects and/or projects to
3		be funded with future grants. Given current pricing pressures, this appears to be a
4		reasonable approach.
5 6	Q:	Did St. Anthony have a Preliminary Engineering Report prepared to support the proposed E&R projects?
7	A:	Yes, in response to OUCC Data Request 1-1 Saint Anthony provided a March 2021
8		Preliminary Engineering Report prepared by Midwest Engineers, which I have included as
9		OUCC Attachment CNS-3.
10	Q:	Did you request additional information regarding each of these proposed projects?
10 11	Q: A:	Did you request additional information regarding each of these proposed projects? Yes. I sought and received additional information on each of the projects through data
	-	
11	-	Yes. I sought and received additional information on each of the projects through data
11 12	-	Yes. I sought and received additional information on each of the projects through data requests and through discussions with St. Anthony's Superintendent and Corporation
11 12 13	-	Yes. I sought and received additional information on each of the projects through data requests and through discussions with St. Anthony's Superintendent and Corporation Secretary. Based on the information I was provided, each of these projects is reasonable

1		Plant in Service ("UPIS") results in a pro forma test year depreciation expense of \$45,340
2		as noted in Small-Utility Rate Application, Schedule 7. St. Anthony's requested E&R
3		revenue requirements of \$115,000 is \$69,660 more than what St. Anthony could include
4		as its pro forma depreciation expense if it were a municipal utility.
5 6	Q:	Do you have any recommendations regarding Applicant's proposed E&R revenue requirement based upon its historical expenditures?
7	A:	Yes. Based on my review of St. Anthony's application, responses to data requests and
8		discussions with St. Anthony staff, I recommend that the Commission approve St.
9		Anthony's requested \$115,000 E&R revenue requirement.
10		IV. OPERATION AND MAINTENANCE EXPENSES
11	Q:	Is it reasonable for St. Anthony to incur expenses to perform periodic maintenance?
12	A:	Yes. It is appropriate for St. Anthony to incur reasonable expenses to perform periodic
13		maintenance on its assets. Periodic maintenance helps utility facilities to operate properly
14		and realize reasonably expected service lives.
15 16	Q:	Did St. Anthony make adjustments to its test year operation and maintenance ("O&M") expenses to recover periodic maintenance expense?
17	A:	Yes. St. Anthony's adjustments to periodic maintenance expense included adjustments for
18		maintenance of its elevated tank and standpipe. St. Anthony did not incur any of these
19		expenses during the test year and as such proposes to adjust its test year expenses for
20		periodic maintenance by \$28,733. This includes an amortization of expenses over 15 years,
21		which is a reasonable period for recoating of its water storage facilities.
22	Q:	Did St. Anthony provide cost support for its proposed periodic maintenance expense?
23	A:	Yes. As with extensions and replacements, support for its periodic maintenance was
24		included in the PER, which also contained a breakdown of costs. Tank inspection reports
25		were also requested and received in OUCC Data Requests and indicated all tanks to be in

1		generally good condition at the time of October 2019 inspection.
2 3	Q:	Do you have any recommendations regarding St. Anthony's proposed periodic maintenance expense?
4	A:	Yes. Based on my review, I recommend the Commission approve St. Anthony's periodic
5		maintenance adjustment of \$23,788. In addition, to promote its continued good practices,
6		I recommend that the tank maintenance funds be placed in a restricted account to assure
7		that they are available when needed.
8	Q:	Did the OUCC receive any customer comments?
9	A:	Yes. These comments are included as OUCC Attachment CNS-4.
		V. <u>SUMMARY OF RECOMMENDATIONS</u>
10	Q:	Please summarize your recommendations:
11	A:	I recommend the following:
12 13 14		1) The Commission approve the \$23,788 periodic maintenance expense adjustment shown in Schedule 6(f) and the Commission require St. Anthony to place these funds in a restricted account to be used for future tank maintenance expenses.
15 16		2) The Commission approve the \$115,000 revenue requirement for extensions and replacements shown in Schedule 7.

- 17 Q: Does this conclude your testimony?
- 18 A: Yes.

VI. <u>APPENDIX A</u>

QUALIFICATIONS

1 Q: Please describe your educational background and experience.

2 A: In 1981 I graduated from Purdue University, where I received a Bachelor of Science degree in Industrial Management with a minor in Engineering. I was recruited by the Union Pacific 3 4 Railroad, where I served as mechanical and maintenance supervisor and industrial engineer 5 in both local and corporate settings in St. Louis, Chicago, Little Rock and Beaumont, 6 Texas. I then served as Industrial Engineer for a molded-rubber parts manufacturer before 7 joining the Indiana Utility Regulatory Commission ("IURC") as Engineer, Supervisor and 8 Analyst for more than ten years. It was during my tenure at the IURC that I received my 9 Master of Health Administration degree from Indiana University and began volunteer and 10 part-time work as Firefighter and Emergency Medical Technician in Marion County. After 11 the IURC, I worked at Indiana-American Water Company, initially in their rates 12 department, then managing their Shelbyville operations for eight years, and later served as 13 Director of Regulatory Compliance and Contract Management for Veolia Water 14 Indianapolis. I joined Citizens Energy Group as Rate & Regulatory Analyst following the 15 October 2011 transfer of the Indianapolis water utility and joined the Office of Utility 16 Consumer Counselor in April of 2016. In March 2020 I was promoted to my current 17 position of Assistant Director of the Water and Wastewater Division. In summary, in 18 addition to working in manufacturing and transportation, I have been working in or with 19 utilities since 1988, more than 34 years.

AFFIRMATION

I affirm the representations I made in the foregoing testimony are true to the best of my knowledge, information, and belief.

By: Carl N. Seals

By: Carl N. Seals Cause No. 45671-U Office of Utility Consumer Counselor (OUCC)

Date: Apr 25, 2022



Garage exterior at 4301 Santine Road, St. Anthony



Material storage inside garage



Existing SCADA panel in garage office



Fire hydrant without valve to be replaced



Flush hydrant to be replaced



Fiber/asphalt meter pit to be replaced



On left, sample meter setter to be replaced with unit with check valve on right



New hydrant with valve example



75,000 gallon standpipe



200,000 gallon elevated tank

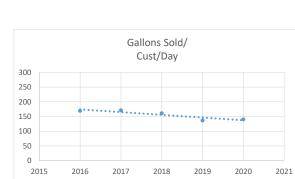
Utility Dashboard St. Anthony Water Utilities, Inc. Cause No. 45671-U

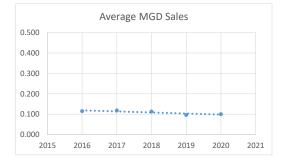
	W-1	W-6	W-6		W-6					W-6
Year	Customers Year-End	Total Pumped & Purchased	Total Sold	Non- Revenue (C - D)	System Usage	Water Loss (E - F)	Percent Loss (G / C)	Average MGD	Gallons Sold/ Cust/Day	Main Breaks
2016	680	46,961	42,129	4,832	1,073	3,759	8.0%	0.115	169	5
2017	689	49,094	43,190	5,904	1,153	4,751	9.7%	0.118	171	11
2018	699	48,589	41,220	7,369	4,636	2,733	5.6%	0.113	161	9
2019	701	45,511	35,105	10,406	6,198	4,208	9.2%	0.096	137	13
2020	715	48,866	36,704	12,162	6,048	6,114	12.5%	0.100	140	16

average mgd 2020	0.100 mgd
avg gals/cust/mo 2020	4,278 gals
average mgd 5 yrs	0.109 mgd
avg annual cust growth	1.3%

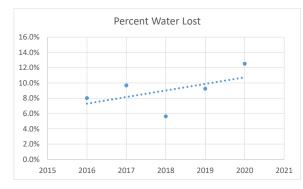
All reported in thousand gallons unless otherwise noted

System usage includes water used for firefighting, backwashing, main flushing, etc. Source: IURC Annual Reports





Customer Count							
1,400							
1,200							
1,000							
800							
600		•••••	••••				
400							
200							
0							
20)15	2016	2017	2018	2019	2020	2021





Dashed lines shows results of linear regression (trend) over period shown

PRELIMINARY ENGINEERING REPORT FOR CAPITAL IMPROVEMENT PLAN FOR ST. ANTHONY WATER UTILITIES, INC. DUBOIS COUNTY, IN

MEI PROJECT #2020027-02

MARCH, 2021



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> ACEC AMERICAN COUNCIL OF ENGINEERING COMPANIES of Indiana

PRELIMINARY ENGINEERING REPORT

FOR

CAPITAL IMPROVEMENT PLAN

FOR

ST. ANTHONY WATER UTILITIES, INC.

DUBOIS COUNTY, INDIANA

MARCH, 2021

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SUPERINTENDENT

Roman Wagner

FINANCIAL ADVISOR

BAKER TILLY Indianapolis, Indiana

ATTORNEY

Arthur Nordhoff, Jr. Jasper, Indiana

ENGINEER

MIDWESTERN ENGINEERS, INC. Loogootee, Indiana

MARCH, 2021

TABLE OF CONTENTS

ITEM

PAGE

I. PRELIMINARY ENGINEERING REPORT

А.	Introduction/Background	1
	Existing Facilities	
	System Needs	
	Description of Necessary Improvements	
E.	Probable Project Costs for Improvements	.14
F.	Estimated Project Schedule for Improvements	.22

LIST OF TABLES

ITEM	PAGE
Table 1: Probable Construction Cost Summary	15
Table 2: Probable Construction Cost Breakdown for Individual Improvements	

LIST OF EXHIBITS

ITEM	PAGE
Exhibit 1: Existing System - Overall Map	4
Exhibit 2: System Needs/Necessary Improvements - Overall Map	6
Exhibit 3: Existing Water Storage Tank No. 1 and 2 – Details	7 and 8
Exhibit 4: Existing PRV/Meter Pit - Details	10
Exhibit 5: Existing Booster Station - Details	11

PAGE

PRELIMINARY ENGINEERING REPORT

FOR

CAPITAL IMPROVEMENT PLAN

FOR

ST. ANTHONY WATER UTILITIES, INC.

DUBOIS COUNTY, INDIANA

A. INTRODUCTION/BACKGROUND

St. Anthony Water Utilities, Inc. (SAWU) is a not-for-profit water utility that serves customers in Dubois County. The SAWU initial facilities were constructed in 1966/1967 and put into operation in 1967. The original source of supply was the City of Huntingburg, via a connection on the west side of the city, along State Road 64. From this connection point, a 6" main was installed eastward along State Road 64 to the communities of Bretzville, St. Anthony and St. Marks. To purchase water from the City of Huntingburg and make it usable to the customers, a booster station was constructed along SR 64 between the City of Huntingburg and the Junction of State Road 64 and State Road 162. This booster station pumped water to a 75,000-gallon elevated water storage standpipe (overflow elevation of 708.5) that was constructed on the north side of the Community of St. Anthony. The City of Huntingburg was the sole source of water supply until the late 1970's. At that time a connection was made with the Patoka Lake Regional Water & Sewer District (PLRWSD) on the north side of the Community of St. Anthony. Water was purchased from both the City of Huntingburg and PLRWSD until the late 1980's. During the drought of 1988, the City of Huntingburg sent SAWU a curtailment notice. Since SAWU could purchase water from PLRWSD for less than it could from the City of Huntingburg, the decision was made to cease purchase from the City of Huntingburg and obtain all water from PLRWSD.

SAWU has a connection to Birdseye Water located on the east side of the Community of St. Marks. Initially, Birdseye Water purchased all their water from SAWU, until 1987, when it began to purchase water from PLRWSD. The connection is still in service and now serves as an emergency connection. SAWU, also has an emergency connection with Dubois Water Utilities, Inc. This connection is located along St. Anthony Road North, north of CR 250 S.

Due to the consistent growth and extension of distribution system mains, SAWU undertook a significant improvement project in the early 1990's. This project consisted of a second connection point to PLRWSD, just east of the State Road 64 and State Road 162 Junction. An 8" main was constructed from this connection point to the Dubois County Fairgrounds, where a second elevated water storage tank (overflow elevation of 724) was erected. This project alleviated low pressure and volume that customers were experiencing north of Bretzville, along SR 162, towards the City of Jasper.

Since the early 1990's, extensions to the distribution system have periodically been made to extend service to customers on an "as-requested" basis. These extensions have led to the steady growth of customers and an increase in service territory. However, no large-scale improvement projects have been undertaken since. Customers continue to be added along existing mains and within new subdivisions in the Community of St. Anthony and near the Dubois County Fairgrounds.

The SAWU service area currently encompasses approximately 40 square miles, generally bordered by Hunley Creek to the west and Hall Creek to the north. The southern border of the territory general follows State Road 64 while the eastern border of the service territory extends roughly 1 mile east of the Community of St. Marks. SAWU currently serves approximately 800 customers, the vast majority of which are residential customers. Several small commercial customers are also served, with the biggest being Central Concrete and the Dubois County Fairgrounds.

B. EXISTING FACILITIES

<u>Source of Supply</u> – SAWU purchases all its water from PLRWSD, through three (3) meter pit connection points. The first meter connection point is located on the north side of the Community of St. Anthony. This connection point fills Water Storage Tank No. 1 and "floats" SAWU customers located north and east of the meter pit. The second meter connection point is located just east of the State Road 64 and State Road 162 Junction. This connection point fills Water Storage Tank No. 2. The third meter connection point is located north of St. Anthony along the St. Anthony Celestine Road, near the end of an existing 2" main. This is a small meter pit that "floats" a few customers near the end of the existing 2" main.

Connections to the City of Huntingburg, Birdseye Water and Dubois Water Utilities, Inc. are still in service. However, these are emergency connections only, and typically no water is purchased or sold thru any of them.

<u>Transmission/Distribution System</u> - The transmission/distribution system consists of approximately 56 miles of main, ranging in size from 2-inch to 8-inch diameter as follows:

Size	<u>Length</u>
2" or less	6.5 miles
3"	10.6 miles
4"	20.1 miles
6"	15.9 miles
8"	2.6 miles

The original system components are nearly 50 years old. All pipe installed with the original 1960's construction was asbestos-cement. Recent extensions are primarily poly vinyl chloride (PVC).

There are three pressure zones within the distribution system. The first is served from Water Storage Tank No. 1 (overflow elevation of 708.5). This area consists of the Communities of St. Anthony, St. Marks and along St. Anthony Road West northward to CR 350). The second is served from Water Storage Tank No. 2 (overflow elevation of 724) and encompasses the western portion of the service territory, primarily from the west side of St. Anthony to the east side of Huntingburg. The third is served from the PLRWSD connection points located on the north side of St. Anthony. This area includes the service territory north and east of the St. Anthony Road North. This area "floats" off PLRWSD pressure (overflow elevation of 910), with the pressure being regulated down to approximately a hydraulic gradeline of 760.

<u>Tank</u>	Capacity – Year <u>Constructed</u>	<u>Overflow</u>	Diameter	<u>Height</u>
No.1	75,000 Gallon	708.5 feet	12 feet	90 feet
	Standpipe – 1967	(msl)		
No.2	200,000 Gallon	724 feet (msl)	36 feet	107 feet
	Elevated - 1992			

<u>Water Storage</u> – SAWU has two (2) water storage tanks as follows:

Water Storage Tank No. 1 is approximately 55 years old; Water Storage Tank No. 2 is nearly 30 years old. Although both tanks have useful life remaining, they will require rehabilitation and repainting in the near future. Each tank was last repainted (complete interior blast/repaint and with an exterior high-pressure wash and overcoat) in 2009.

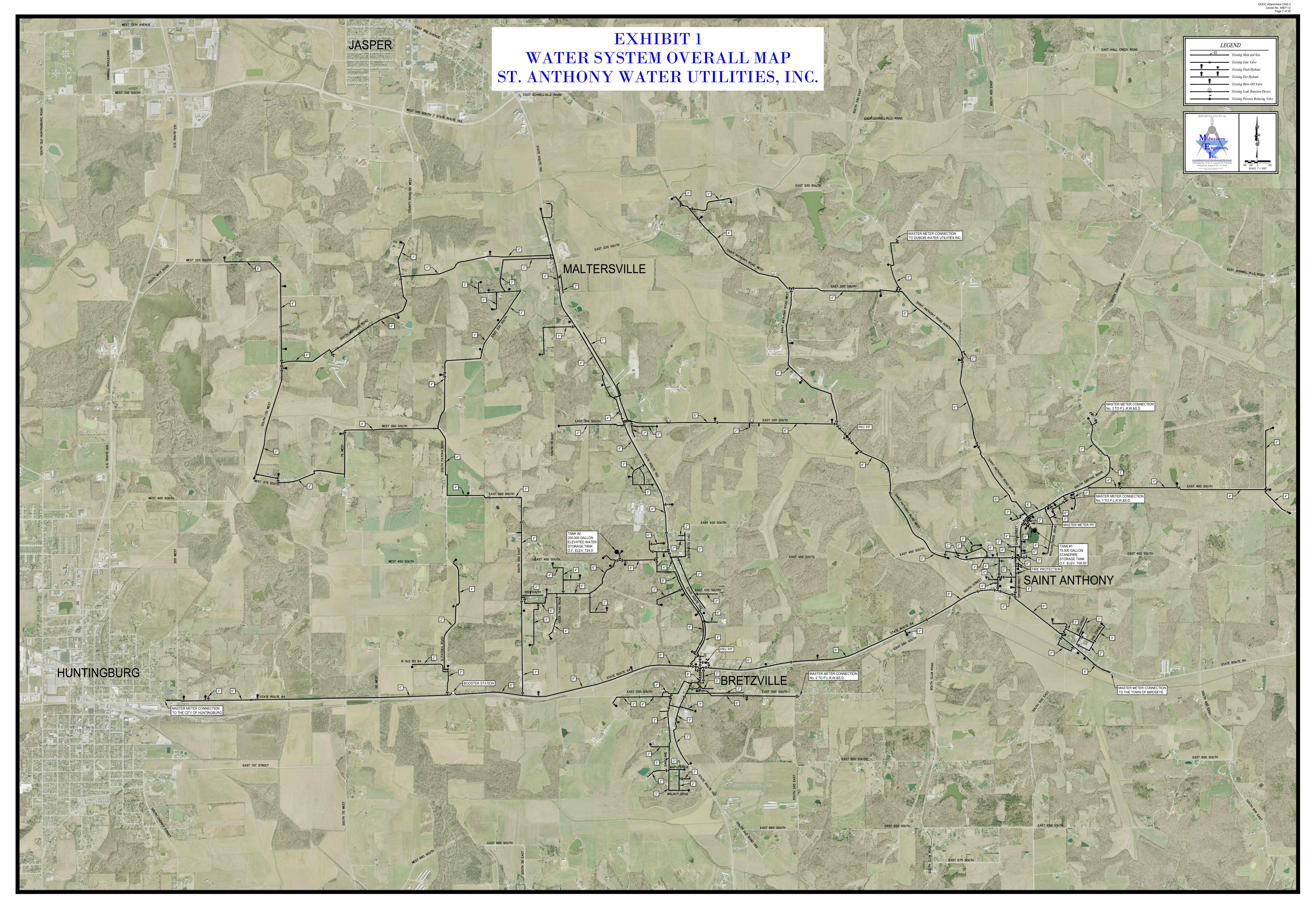
<u>Booster Station/Pumping</u> – SAWU has once booster station located along SR 64, between the City of Huntingburg and the Junction of State Roads 64 and 162. This booster station was used when water was purchased from the City of Huntingburg to pump to Water Storage Tank No. 1. Once was purchased was ceased from the City of Huntingburg; the pumps were deactivated. However, water still flows through the interior piping to feed customers located west of the station.

Exhibit 1 contains an overall map of the existing SAWU system. The map shows all meter pits, PRV pits, tanks, and transmission/distribution system mains.

C. SYSTEM NEEDS

Upon review of the existing system, discussions with SAWU representatives and evaluation of hydraulic analysis, the following deficiencies/needs have been identified:

- 1. Water Storage Tank No. 1 was last repainted in 2009. Rehabilitation of the tank including a complete blast/repaint of the interior and exterior paint coat system will be required.
- 2. Water Storage Tank No. 2 was last repainted in 2009. Rehabilitation of the tank including a complete blast/repaint of the interior and an overcoat of the exterior paint coat system will be required.
- 3. Replacement of existing fire hydrants that are no longer operational, have maintenance issues or have no auxiliary shutoff valves.
- 4. Replacement of existing flush hydrants that are no longer operational, have maintenance issues of have no auxiliary shutoff valves.
- 5. Replacement of existing valves that are no longer operational or have maintenance issues and addition of valves on existing mains that are difficult to isolate for repair or maintenance.
- 6. PRV/Meter pit rehabilitation including replacement/rehabilitation of interior piping in the "St. Anthony Road West" PRV valve pit, the "Bretzville Junction" PRV valve pit and the "Standpipe" meter/valve pit.
- 7. Booster Station building rehabilitation including roof, door and window replacement and interior/exterior repainting.



- 8. To alleviate low residual pressures and flow during peak demand periods in the Bretzville Area, water main improvements, including replacement/upsizing of existing mains, retirement of existing mains, installation of new service lines and reconnections of existing service meters are necessary.
- 9. Installation of a Supervisory Control and Data Acquisition (SCADA) system to monitor meter pits, PRV pits and tank levels. This is necessary to provide proper control of the system and to promptly identify main breaks and operational problems.
- 10. To alleviate low residual pressures and flow during peak demand periods in the northern portions of the service territory, water main improvements including replacement/upsizing of existing mains, retirement of existing mains, installation of new service lines and reconnections of existing service meters are necessary along both SR 162 north of the Dubois County Fairgrounds and CR 50 E from SR 64 to CR 350 S.
- 11. Aging service meters, pits and accessories need replacement/upgrade.
- 12. A new maintenance truck is necessary.
- 13. The overall system map needs updated, and an asset management plan needs to be developed and implemented.
- 14. The office computer and billing systems need upgrades

D. DESCRIPTION OF NECESSARY IMPROVEMENTS

Water Storage Tank No. 1 Improvements:

The existing Water Storage Tank No. 1 is a welded steel, reservoir elevated water storage standpipe constructed in the mid 1960's. The tank has a capacity of 75,000 gallons, with an overflow elevation of 708.5 (See Exhibit 2 for location and Exhibit 3 for tank details). Although the tank is nearly 55 years old, it has useful life remaining. However, the tank will soon need to be rehabilitated. This rehabilitation would include a complete abrasive blast cleaning to bare metal on both the interior and exterior of the tank. To prevent fugitive dust from leaving the site, a containment system (shroud) would be installed around the exterior of the tank during the blasting/painting process. The spent abrasives/removed paint would be disposed of in accordance with all local, state, and federal requirements.

Upon removal of the existing paint coat system, the new paint coat system will likely be a three-coat system (interior and exterior) consisting of an epoxy system on the interior and a urethane system on the exterior. Upon curing of the paint system, the tank will be filled, disinfected, and placed into service. An anniversary inspection would be conducted approximately 12 months after completion of the work and any imperfections (rust spots, delamination, etc.) would be corrected.

Water Storage Tank No. 2 Improvements:

The existing Water Storage Tank No. 2 is a multi-legged, welded steel, elevated water storage tank constructed in the early 1990's. The tank has a capacity of 200,000 gallons, with an overflow elevation of 724 (See Exhibit 2 for location and Exhibit 3 for tank details). The tank is nearly 30 years old and has useful life remaining. However, the tank will soon need to be rehabilitated. This rehabilitation would include a complete abrasive blast cleaning to bare metal and repaint on the interior and a high-pressure wash and overcoat on the exterior of the tank. The spent

ST. ANTHONY WATER UTILITIES, INC. CAPITAL IMPROVEMENT PLAN FEBRUARY 2021

WEST 12TH AVENUE

STORAGE TANK IMPROVEMENTS

200,000 GALLON ELEVATED WATER STORAGE TANK IMPROVEMENTS ST-1 ST-2 75,000 GALLON WATER STORAGE STANDPIPE IMPROVEMENTS

TRANSMISSION/DISTRIBUTION SYSTEM IMPROVEMENTS FIRE HYDRANT REPLACEMENT FLUSH HYDRANT REPLACEMENT VALVE REPLACEMENT/ADDITION PRV/METER PIT REHABILITATION BOOSTER STATION BUILDING REHABILITATION BRETZVILLE AREA IMPROVEMENTS SCADA SYSTEM IMPROVEMENTS S.R. 162 MAIN REPLACEMENT/UPSIZE C.R. 50 E MAIN REPLACEMENT/UPSIZE

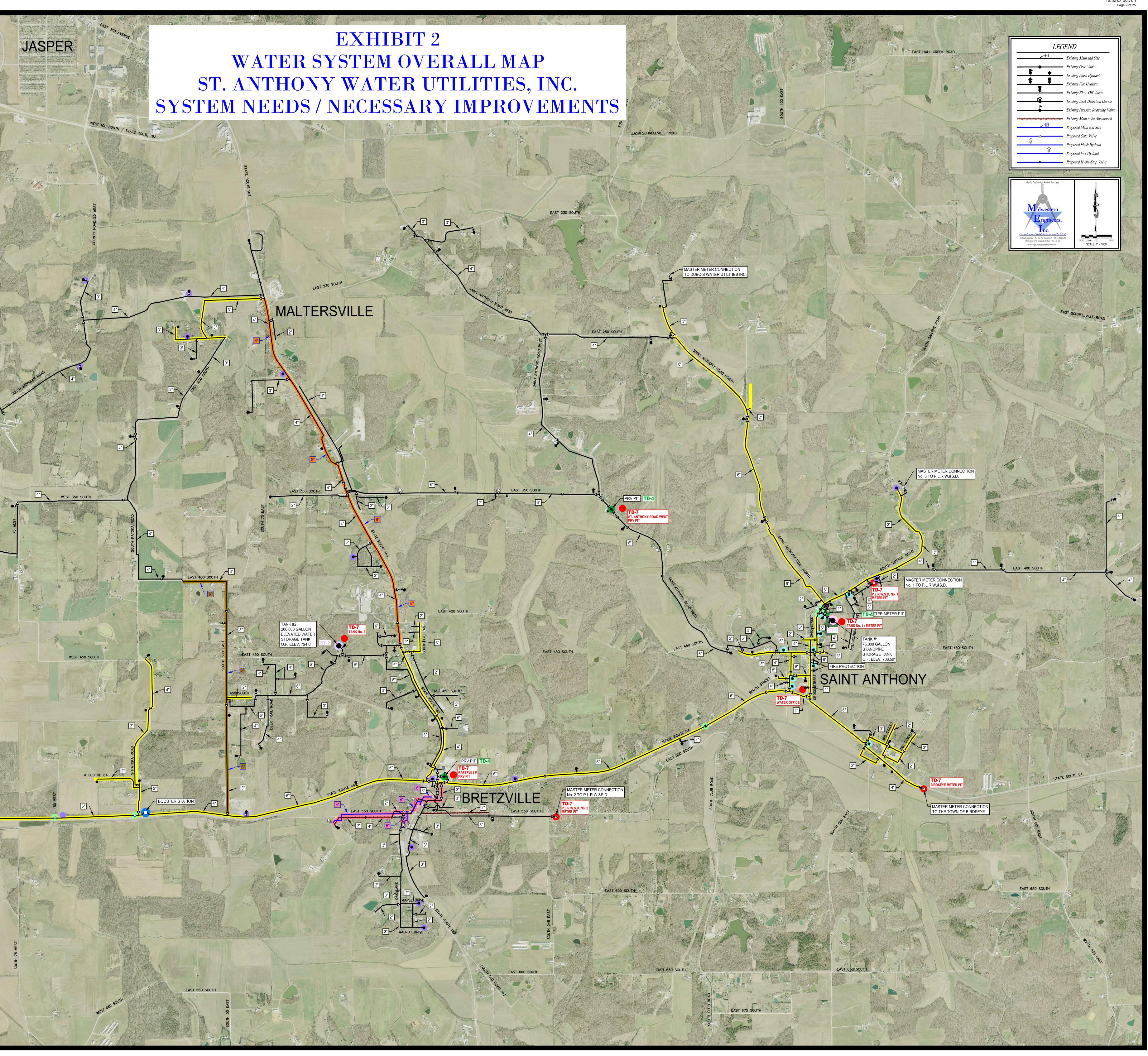
ORIGINAL SYSTEM REPLACEMENT

HUNTINGBURG

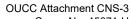
MASTER METER CONNECTION TO THE CITY OF HUNTINGBURG

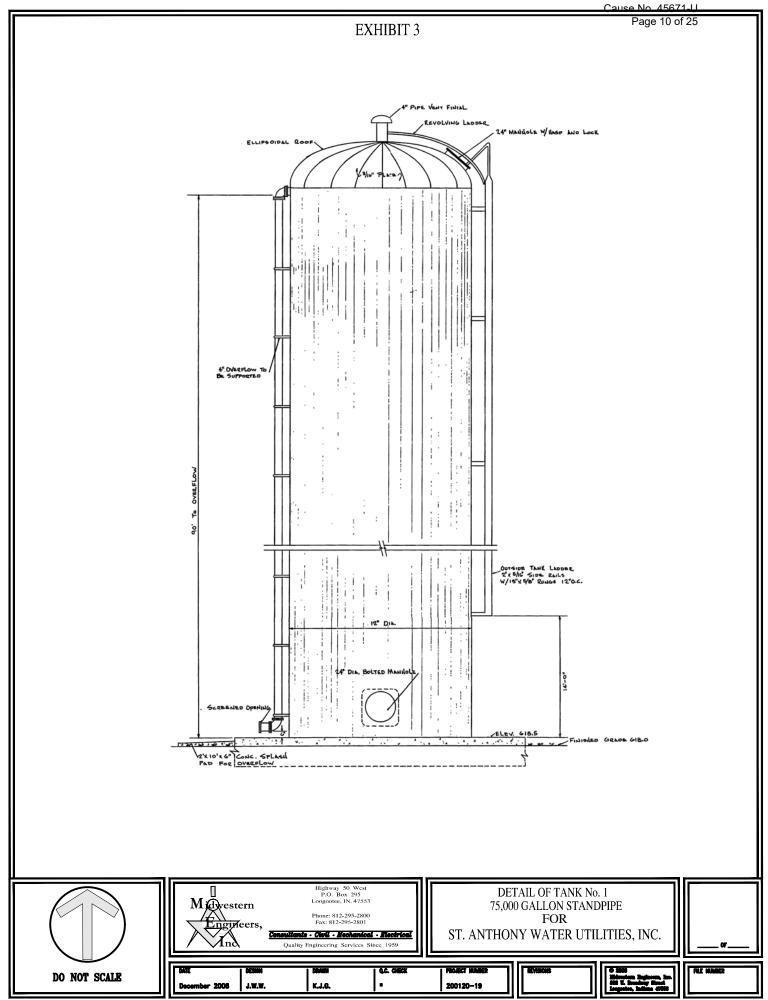
EAST 1ST STREET

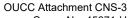
WEST 400 SOUTH

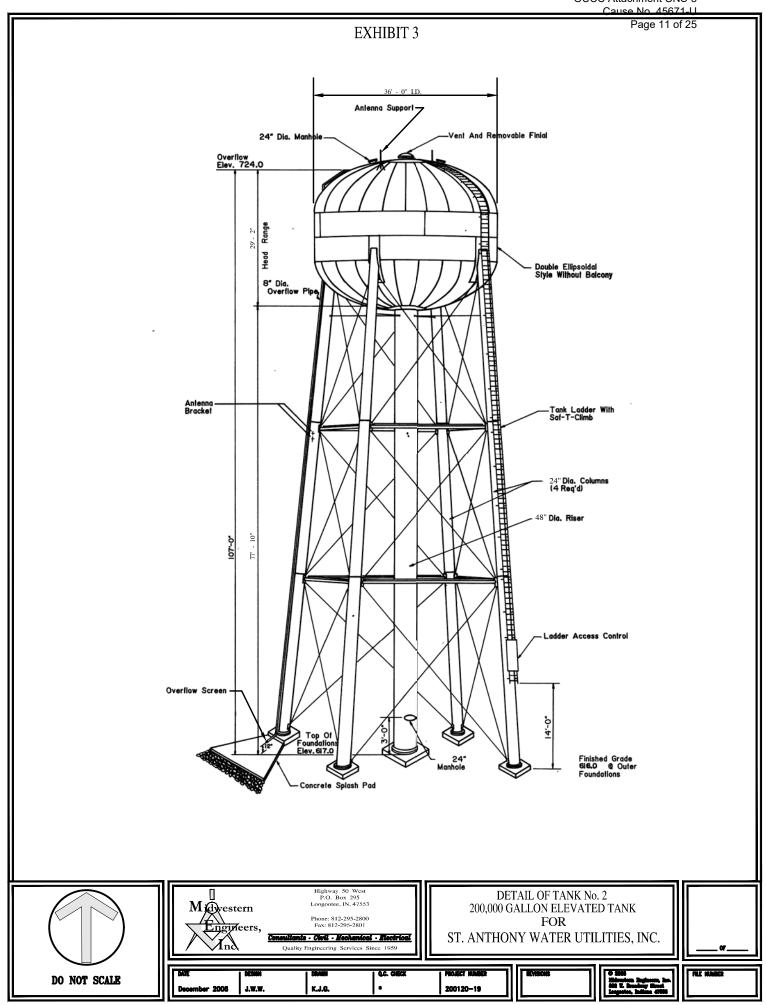


OUCC Attachment CNS-3 Cause No. 45671-U Page 9 of 25









abrasives/removed paint from the interior would be disposed of in accordance with all local, state, and federal requirements.

Upon removal of the existing interior paint coat system, the new paint coat system would likely be a three-coat system consisting of a zinc primer and epoxy intermediate and finish coats. Upon pressure washing of the exterior paint coat system, the overcoat would likely consist of a one or two coat system consisting of a urethane coating or an acrylic "tie" coat with an urethane finish coat. Upon curing of the paint system, the tank will be filled, disinfected, and placed into service. An anniversary inspection would be conducted approximately 12 months after completion of the work and any imperfections (rust spots, delamination, etc.) would be corrected.

Fire/Flush Hydrant Replacement:

Several existing hydrants throughout the system are no longer operational, have maintenance issues or do not have auxiliary shutoff valves and require replacement (See Exhibit 2 for location). To do this, it is anticipated that a complete shut-down of the mainline where they are replaced will be required. The existing branch main and hydrant will be excavated/removed and the mainline drained down. Upon examination, the existing mainline tee will either be cut-out/removed or reused. Should the tee be cut-out/removed, a new tee will be installed along with necessary pipe/sleeve(s). A new branch main, valve and hydrant will be installed. The mainline will be filled, flushed out and returned to service.

Valve Replacement/Addition:

Several existing valves throughout the system are no longer operational or have maintenance issues. Also, there are segments of existing mains that are difficult to isolate for repair or maintenance (See Exhibit 2 for location of valve replacement/addition). To replace or add valves, a complete shutdown of the mainline where they are to be installed or added will be required. The mainline will be excavated, drain-downed and existing pipe/valves will be cut-out and removed. New pipe/sleeves/valve(s) will be installed, the mainline filled, flushed out and returned to service.

PRV/Meter Pit Rehabilitation:

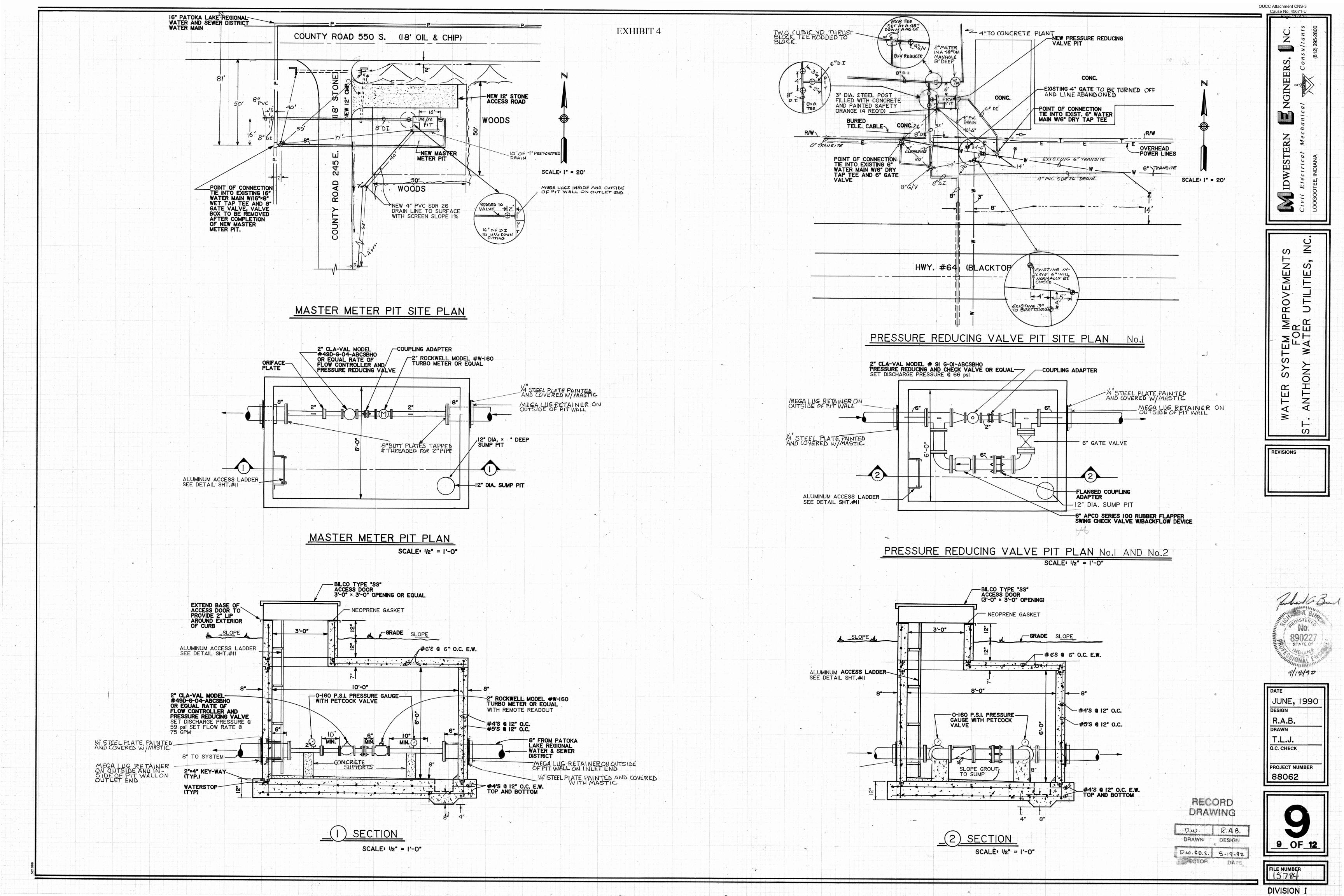
Several existing PRV/meter pits in the system need rehabilitation. This includes the pits at "St. Anthony Road West", "Bretzville Junction" and the "Standpipe" (See Exhibit 2 for location and Exhibit 4 for details). The rehabilitation includes replacement of the existing piping/valves/meters in each pit. The existing meter pit vault will be reused.

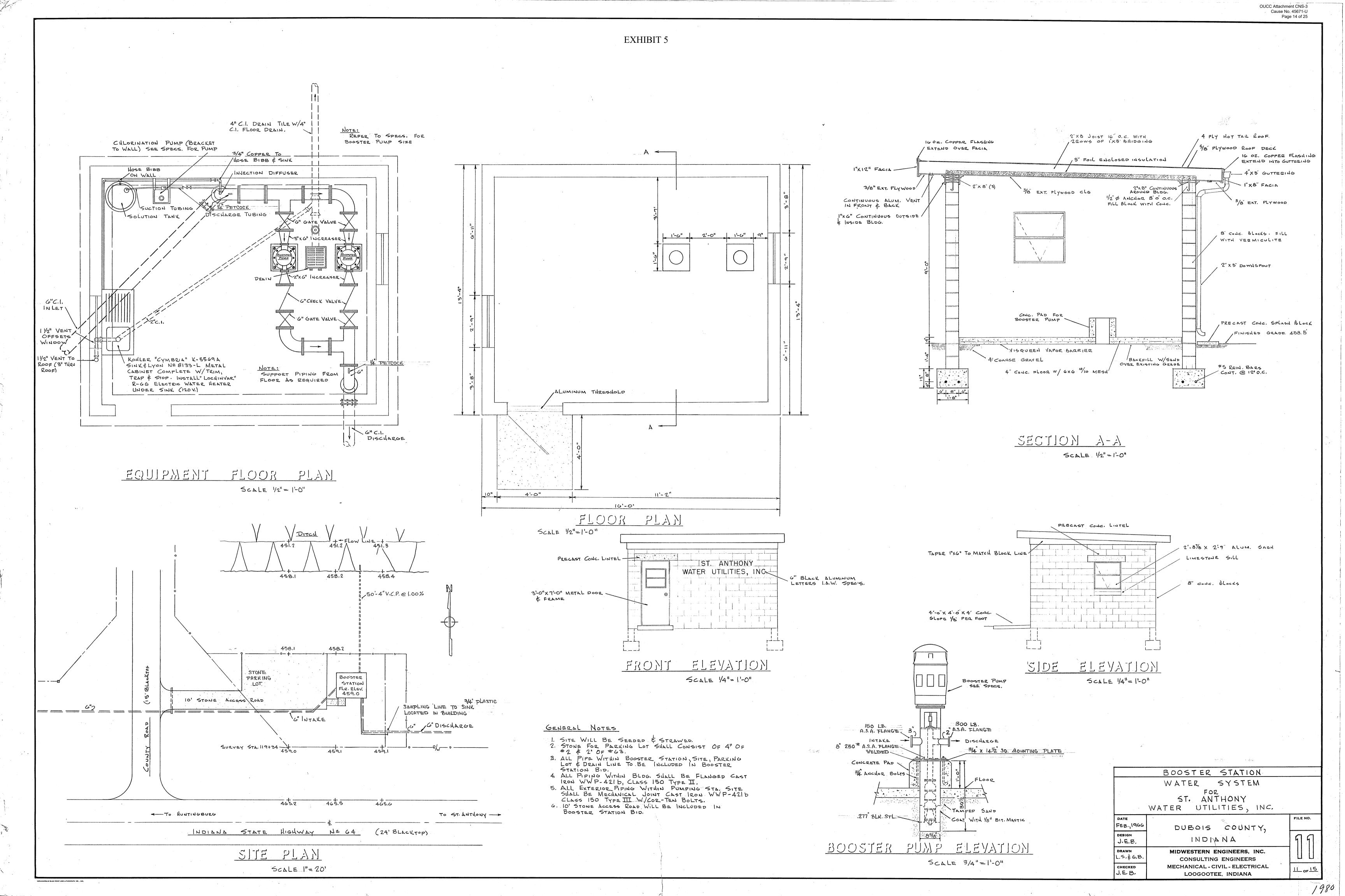
Booster Station Building Rehabilitation:

Although the pumps inside the existing booster station building along SR 64 have been taken out of service, water still flows through the interior piping (See Exhibit 2 for location and Exhibit 5 for details). Components of the building (roof, doors, windows) are more than 50 years old and need removal/replacement. Also, both the interior and exterior masonry of the building will be repainted.

Bretzville Area Water Main Replacement:

The existing distribution mains near the Bretzville Junction (State Roads 64 a 162 intersection) were installed as part of the original system in the mid 1960's. These mains are small (1" to 3") and serve an increasing number of customers, including a large farm along CR 550 S west of SR 162.





Customers in this area consistently complain about low residual pressures and flow in peak demand times.

Replacement/upsizing of the existing main is proposed along State Road 162, from the SR 64 intersection southward, approximately 0.3 miles and along CR 550 S (See Exhibit 2 for location). Overall, approximately 0.90 miles of new 4" and 6" main will be installed. Existing services along CR 550 S, east of SR 162 will be switched over to the existing 8" transmission main, which will allow retirement of the existing 1" thru 3" water main along CR 550. Prior to construction the necessary permits will be obtained. These include a Notice of Intent to Construct a Water Main Extension with IDEM, a Dubois County Right-of-Way Permit, an INDOT Right-of-Way Permit and any necessary IDEM, DNR or Corp. of Engineer notifications/permits for waterway crossings.

The new main will be installed primarily adjacent to the existing main, via open-cut placement. If topography dictates, installation via trenchless technology may be used. Private easements will be obtained, where possible, for the installation. Once the new main is installed, it will be filled, flushed, pressure-tested and disinfected. After placing the new main into service, existing customer service lines will be replaced, and existing service meters re-connected to the new main.

SCADA System Improvements:

Currently, the only supervisory controls for the system are located at the maintenance shop near the existing Water Storage Standpipe No. 1. The controls consist of a display of the tank levels. To provide proper control, operation and maintenance of the system, a new SCADA system is necessary. The system would consist of a Master Control Unit (MCU) installed at the existing water office and Remote Terminal Units (RTU's) installed at each tank, PLRWSD Meter Pits No. 1 and 2, the Birdseye and Huntingburg Meter Pits and the Bretzville and St. Anthony Road West PRV pits (See Exhibit 2 for location). The system would allow for remote access and provide for display/control of tank levels and valve open/close set-points. System pressure at each location and meter flows would also be displayed.

State Road 162 Water Main Replacement/Upsize:

The existing main along State Road 162 from the Dubois County Fairgrounds northward to CR 230 E was installed as part of the original system in the 1960's. Over the years, an increasing number of customers along and to the west of State Road 162 have been added. Also, Central Concrete, located along State Road 162, just north of CR 230 E is one of the system's biggest users. To continue to provide adequate pressure and flow to the northern portion of the service territory, replacement/upsize of this main is required.

Replacement of the existing main will begin near the Dubois County Fairgrounds and continue northward to CR 230 E (See Exhibit 2 for location). A total of approximately 2.5 miles of 8" main will be installed. Prior to construction the necessary permits will be obtained. These include a Notice of Intent to Construct a Water Main Extension with IDEM, a Dubois County Right-of-Way Permit, an INDOT Right-of-Way Permit and any necessary IDEM, DNR or Corp. of Engineer notifications/permits for waterway crossings.

The new main will be installed primarily adjacent to the existing main, via open-cut placement. If topography dictates, installation via trenchless technology may be used. Private easements will be obtained, where possible, for the installation. Once the new main is installed, it will be filled, flushed, pressure-tested and disinfected. After placing the new main into service, existing customer service lines will be replaced, and existing service meters re-connected to the new main.

CR 50 E Water Main Replacement/Upsize:

The existing main along CR 50 E from SR 64 northward to CR 450 S was installed as part of the original system in the 1960's. Over the years, an increasing number of customers along and to the north of CR's 50 E and 450 S have been added. To continue to provide adequate pressure and flow to the northern portion of the service territory, replacement/upsize of this main is required.

Replacement of the existing main will begin at SR 64 and continue northward to CR 450 S (See Exhibit 2 for location). A total of approximately 2 miles of 6" main will be installed. Prior to construction the necessary permits will be obtained. These include a Notice of Intent to Construct a Water Main Extension with IDEM, a Dubois County Right-of-Way Permit, and any necessary IDEM, DNR or Corp. of Engineer notifications/permits for waterway crossings.

The new main will be installed primarily adjacent to the existing main, via open-cut placement. If topography dictates, installation via trenchless technology may be used. Private easements will be obtained, where possible, for the installation. Once the new main is installed, it will be filled, flushed, pressure-tested and disinfected. After placing the new main into service, existing customer service lines will be replaced, and existing service meters re-connected to the new main.

Meter Upgrades:

Customer service meters throughout the system are aging. SAWU typically replace a small number (around 5 to 10 meters) each year. These meters are usually the oldest in the system, or those with known reading issues. This annual meter replacement should continue. However, with approximately 800 customers in the system, this replacement of only a handful of meters each year will not allow timely replacement of all meters within their useful life. Thus, a system wide meter replacement project will be necessary. Each service meter, setter, and pit will be evaluated; dependent on the condition of each. Three types of replacement will be considered:

- 1. Replacement of the meter only.
- 2. Replacement of the meter and setter.
- 3. Replacement of the meter, setter, and pit.

Equipment/Administration Improvements:

A number of equipment/administration improvements are necessary. A new, properly equipped maintenance truck is required. This will allow SAWU personnel to continue to provide operations and maintenance to the system. Also, the office computer system needs to be upgraded. This will allow record keeping, bookkeeping, and billing operations to continue. In order to comply with regulatory and financial agency requirements, SAWU needs to complete and implement an Asset Management Plan. This plan will outline Technical, Financial and Managerial aspects for the SAWU to ensure sustainable operations to continue.

E. PROBABLE PROJECT COSTS FOR IMPROVEMENTS

A summary of probable project costs for each of the improvements is presented in Table 1 on Page 15. Individual project construction cost breakdowns are presented in Table 2 on Pages 16 through 21. The non-construction costs for each of the projects are shown on the estimated project schedule for improvements on Page 22.

TABLE NO. 1 ST. ANTHONY WATER UTILITIES, INC. PROBABLE CONSTRUCTION COST SUMMARY MARCH, 2021

STORAGE TANK IMPROVEMENTS

ST-1	75,000 GALLON WATER STORAGE STANDPIPE IMPROVEMENTS		\$200,000.00
ST-2 200,000 GALLON ELEVATED WATER STORAGE TANK IMPROVEMENTS		\$145,000.00	
		SUB-TOTAL	\$345,000.00
TRANS	MISSION/DISTRIBUTION SYSTEM IMPROVEMENTS		
TD-1	FIRE HYDRANT REPLACEMENT		\$89,000.00
TD-2	FLUSH HYDRANT REPLACEMENT		\$157,000.00
TD-3	VALVE REPLACEMENT/ADDITION		\$43,000.00
TD-4	PRV/METER PIT REHABILITATION		\$40,000.00
TD-5	BOOSTER STATION BUILDING REHABILITATION		\$12,000.00
TD-6	BRETZVILLE AREA WATER MAIN IMPROVEMENTS		\$312,000.00
TD-7	SCADA SYSTEM IMPROVEMENTS		\$209,000.00
TD-8	STATE ROAD 162 WATER MAIN REPLACEMENT/UPSIZE		\$884,000.00
TD-9	COUNTY ROAD 50 E WATER MAIN REPLACEMENT/UPSIZE		\$569,000.00
		SUB-TOTAL	\$2,315,000.00
METEI		SUB-TOTAL	\$2,315,000.00
<u>METEI</u>	R IMPROVEMENTS	SUB-TOTAL	\$2,315,000.00
	<u>R IMPROVEMENTS</u>	SUB-TOTAL	
M-1	R IMPROVEMENTS ANNUAL METER UPGRADE	SUB-TOTAL	\$12,000.00
	<u>R IMPROVEMENTS</u>	SUB-TOTAL	
M-1	<u>R IMPROVEMENTS</u> ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE	SUB-TOTAL SUB-TOTAL	\$12,000.00
M-1 M-2	<u>R IMPROVEMENTS</u> ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE		\$12,000.00 \$854,000.00
M-1 M-2	<u>R IMPROVEMENTS</u> ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE		\$12,000.00 \$854,000.00
M-1 M-2 <u>EQUIP</u>	R IMPROVEMENTS ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE MENT/ADMINISTRATION IMPROVEMENTS		\$12,000.00 \$854,000.00 \$866,000.00
M-1 M-2 <u>EOUIP</u> EA-1	R IMPROVEMENTS ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE MENT/ADMINISTRATION IMPROVEMENTS PURCHASE NEW MAINTENANCE TRUCK		\$12,000.00 \$854,000.00 \$866,000.00 \$65,000.00
M-1 M-2 EQUIP EA-1 EA-2	R IMPROVEMENTS ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE MENT/ADMINISTRATION IMPROVEMENTS PURCHASE NEW MAINTENANCE TRUCK NEW SYSTEM OVERALL MAPS/ASSET MANAGEMENT PLAN		\$12,000.00 \$854,000.00 \$866,000.00 \$65,000.00 \$25,000.00
M-1 M-2 <u>EOUIP</u> EA-1	R IMPROVEMENTS ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE MENT/ADMINISTRATION IMPROVEMENTS PURCHASE NEW MAINTENANCE TRUCK		\$12,000.00 \$854,000.00 \$866,000.00 \$65,000.00
M-1 M-2 EQUIP EA-1 EA-2	R IMPROVEMENTS ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE MENT/ADMINISTRATION IMPROVEMENTS PURCHASE NEW MAINTENANCE TRUCK NEW SYSTEM OVERALL MAPS/ASSET MANAGEMENT PLAN	SUB-TOTAL	\$12,000.00 \$854,000.00 \$866,000.00 \$65,000.00 \$25,000.00 \$25,000.00
M-1 M-2 EQUIP EA-1 EA-2	R IMPROVEMENTS ANNUAL METER UPGRADE SYSTEM WIDE METER UPGRADE MENT/ADMINISTRATION IMPROVEMENTS PURCHASE NEW MAINTENANCE TRUCK NEW SYSTEM OVERALL MAPS/ASSET MANAGEMENT PLAN		\$12,000.00 \$854,000.00 \$866,000.00 \$65,000.00 \$25,000.00 \$25,000.00

TABLE NO. 2 ST. ANTHONY WATER UTILITIES, INC. PROBABLE CONSTRUCTION COST BREAK DOWN FOR INDIVIDUAL IMPROVEMENTS MARCH, 2021

ITEM		ESTIMATED	UNIT	TOTAL
NO.	DESCRIPTION	QUANTITY	PRICE	PRICE

ST-1 - 75,000 GALLON WATER STORAGE STANDPIPE (90' TALL, 12' DIA.) IMPROVEMENTS

1.	MOBILIZATION/DEMOBILATION, BONDING SAFETY				
	AND ENVIRONMENTAL COMPLIANCE	1	L.S.	\$5,000.00	\$5,000.00
2.	TCLP TESTING	4	EA.	\$1,200.00	\$4,800.00
3.	COMPLETE BLAST & PAINT OF INTERIOR	1	L.S.	\$40,000.00	\$40,000.00
4.	INSTALL AND MAINTAIN CONTAINMENT SYSTEM	1	L.S	\$70,000.00	\$70,000.00
5.	PRETOX/BLASTOX AND REMOVAL/DISPOSAL	1	L.S.	\$13,000.00	\$13,000.00
6.	COMPLETE BLAST & PAINT OF EXTERIOR	1	L.S.	\$45,000.00	\$45,000.00
7.	PREPARE/PAINT EXPOSED PORTION OF CONCRETE				
	FOUNDATION	1	L.S.	\$2,000.00	\$2,000.00
8.	ONE (1) YEAR ANNIVERSARY INSPECTION	1	L.S.	\$1,500.00	\$1,500.00

SUBTOTAL PROBABLE CONSTRUCTION COST\$181,300.0010% CONSTRUCTION CONTINGENCY\$18,700.00

 TOTAL PROBABLE CONSTRUCTION COST
 \$200,000.00

ST-2 - 200,000 GALLON ELEVATED WATER STORAGE TANK (107' TALL, 36' DIA. BOWL) IMPROVEMENTS

1.	MOBILIZATION/DEMOBILATION, BONDING SAFETY				
	AND ENVIRONMENTAL COMPLIANCE	1	L.S.	\$5,000.00	\$5,000.00
2.	TCLP TESTING	2	EA.	\$1,200.00	\$2,400.00
3.	COMPLETE BLAST & PAINT OF INTERIOR	1	L.S.	\$70,000.00	\$70,000.00
4.	HIGH PRESSURE WASH, SPOT CLEAN ALL RUSTED				
	AREAS AND REPAINT EXTERIOR	1	L.S	\$50,000.00	\$50,000.00
5.	PREPARE/PAINT EXPOSED PORTION OF CONCRETE				
	FOUNDATION	1	L.S.	\$2,000.00	\$2,000.00
6.	ONE (1) YEAR ANNIVERSARY INSPECTION	1	L.S.	\$2,000.00	\$2,000.00

TOTAL PROBABLE CONSTRUCTION COST	\$145,000.00
10% CONSTRUCTION CONTINGENCY	\$13,600.00
SUBTOTAL PROBABLE CONSTRUCTION COST	\$131,400.00

ST. ANTHONY WATER UTILITIES, INC. CAPITAL IMPROVEMENT PLAN TRANSMISSION/DISTRIBUTION IMPROVEMENTS MARCH, 2021

ITEM		ESTI	MATED	UNIT	TOTAL
NO.		QUA	NITITY	PRICE	PRICE
TD_1 F	TRE HYDRANT REPLACEMENT				
<u>10-11</u>					
1.	SHUT-DOWN OF EXISTING MAIN	9	EA.	\$1,000.00	\$9,000.00
2.	CUT-OUT TEE/PIPE	9	EA.	\$1,000.00	\$9,000.00
3.	INSTALL SLEEVES/TEE	9	EA.	\$1,500.00	\$13,500.00
4.	INSTALL NEW BRANCH MAIN /VALVE/HYDRANT	9	EA.	\$5,000.00	\$45,000.00
5.	FLUSH/RE-OPEN MAIN	9	EA.	\$500.00	\$4,500.00
	SU	JBTOTAL PROB	ABLE CON	STRUCTION COST	\$81,000.00
		10% CON	ISTRUCTIC	N CONTINGENCY	\$8,000.00
		TOTAL PROBA	BLE CONS	TRUCTION COST $\begin{bmatrix} - \\ - \end{bmatrix}$	\$89,000.00
<u>TD-2 F</u>	<u>'LUSH HYDRANT REPLACEMENT</u>				
1.	SHUT-DOWN OF EXISTING MAIN	18	EA.	\$1,000.00	\$18,000.00
2.	CUT-OUT TEE/PIPE	18	EA.	\$1,000.00	\$18,000.00
3.	INSTALL SLEEVES/TEE	18	EA.	\$1,400.00	\$25,200.00
4.	INSTALL NEW BRANCH MAIN /VALVE/HYDRANT	18	EA.	\$4,000.00	\$72,000.00
5.	FLUSH/RE-OPEN MAIN	18	EA.	\$500.00	\$9,000.00
	SU	JBTOTAL PROB	ABLE CON	STRUCTION COST	\$142,200.00
		10% CON	ISTRUCTIC	N CONTINGENCY	\$14,800.00
		TOTAL PROBA	BLE CONS	TRUCTION COST	\$157,000.00
<u>TD-3 V</u>	ALVE REPLACEMENT/ADDITION				
1.	SHUT-DOWN OF EXISTING MAIN	6	EA.	\$1,000.00	\$6,000.00
2.	CUT-IN NEW VALVE	4	EA.	\$3,000.00	\$12,000.00
3.	REPLACE EXISTING VALVES	4	EA.	\$3,500.00	\$14,000.00
4.	INSTALL NEW SLEEVES/FITTINGS	4	EA.	\$1,000.00	\$4,000.00
5.	FLUSH/RE-OPEN MAIN	6	EA.	\$500.00	\$3,000.00
	SU	JBTOTAL PROB	ABLE CON	STRUCTION COST	\$39,000.00
		10% CON	ISTRUCTIC	N CONTINGENCY	\$4,000.00
		TOTAL PROBA	BLE CONS	TRUCTION COST	\$43,000.00

TD-4 PRV/METER PIT REHABILITATION

1.	ST. ANTHONY ROAD WEST PRV PIT REHAB	1	L.S.	\$8,000.00	\$8,000.00
2.	BRETZVILLE JUNCTION PRV PIT REHAB	1	L.S.	\$8,000.00	\$8,000.00
3.	STANDPIPE METER/VALVE PIT REHAB/ HYDRAULIC PIT VALVE FOR REPLACMENT AND NEW FUSE BOX AND				
	WIRING	1	L.S.	\$20,000.00	\$20,000.00
3.	VALVE FOR REPLACMENT AND NEW FUSE BOX AND	1	L.S.	\$20,000.00	\$20,000.00

TOTAL PROBABLE CONSTRUCTION COST	\$40,000.00
10% CONSTRUCTION CONTINGENCY	\$4,000.00
SUBTOTAL PROBABLE CONSTRUCTION COST	\$36,000.00

TD-5 BOOSTER STATION BUILDING REHABILITATION

1.	REPLACE ROOF	1	L.S.	\$5,500.00	\$5,500.00
2.	REPLACE 2 METAL DOORS/WINDOWS/TRIM	1	L.S.	\$3,100.00	\$3,100.00
3.	REPAINT EXTERIOR	1	L.S.	\$900.00	\$900.00
4.	REPAINT INTERIOR	1	L.S.	\$900.00	\$900.00

SUBTOTAL PROBABLE CONSTRUCTION COST	\$10,400.00
10% CONSTRUCTION CONTINGENCY	\$1,600.00
TOTAL PROBABLE CONSTRUCTION COST	\$12,000.00

TD-6 BRETZVILLE AREA WATER MAIN IMPROVEMENTS

1.	6" PVC SDR-21 CL. 200 PIPE W/ TRACER WIRE	1960	L.F.	\$31.00	\$60,760.00
2.	6" REST. JT. PVC SDR-21 CL. 200 PIPE BY UNCASED BORE				
	W/ TRACER WIRE	160	L.F.	\$90.00	\$14,400.00
3.	4" PVC SDR-21 CL. 200 PIPE W/ TRACER WIRE	2480	L.F.	\$28.00	\$69,440.00
4.	4" REST. JT. PVC SDR-21 CL. 200 PIPE BY UNCASED BORE				
	W/TRACER WIRE	190	L.F.	\$75.00	\$14,250.00
5.	12" x 0.250" WELDED STEEL CASING W/ 6" REST. JT. PVC				
	SDR-21 CL. 200 CARRIER PIPE BY BORE	100	L.F.	\$350.00	\$35,000.00
6.	WET TAP CONNECTION WITH 8x8x6 S.S. TAPPING				
	SLEEVE AND 6" TAPPING GATE VALVE	1	EA.	\$6,000.00	\$6,000.00
7.	WET TAP CONNECTION WITH 3x3x3 S.S. TAPPING				
	SLEEVE AND 3" TAPPING GATE VALVE	1	EA.	\$4,000.00	\$4,000.00
8.	DRY TAP CONNECTION WITH EX. 3" TO NEW 6"	1	EA.	\$2,500.00	\$2,500.00
9.	3-WAY FIRE HYDRANT W/ 6" GATE VALVE	2	EA.	\$5,000.00	\$10,000.00
10.	FLUSH HYDRANT W/ 3" GATE VALVE	1	EA.	\$3,000.00	\$3,000.00
11.	6" GATE VALVE	2	EA.	\$1,200.00	\$2,400.00
12.	4" GATE VALVE	1	EA.	\$1,000.00	\$1,000.00
13.	3" GATE VALVE	2	EA.	\$900.00	\$1,800.00
14.	CUT & CAP EX. MAIN	3	EA.	\$750.00	\$2,250.00
15.	3" HYDRA STOP LINE STOP	2	EA.	\$3,500.00	\$7,000.00
16.	2" HYDRA STOP LINE STOP	1	EA.	\$1,500.00	\$1,500.00
17.	SERVICE LINE BY OPEN CUT PLACEMENT	1200	L.F.	\$15.00	\$18,000.00
18.	SERVICE LINE BY DIR. BORE	200	L.F.	\$18.00	\$3,600.00
19.	RECONNECT EX. SERVICE TO NEW WATER MAIN	15	EA.	\$100.00	\$1,500.00

TD-6 BRETZVILLE AREA WATER MAIN IMPROVEMENTS (CONTINUED)

20.	RECONNECT EX. SERVICE TO EXISTING MAIN	8	EA.	\$200.00	\$1,600.00
21.	STONE RESURFACING	70	TON	\$25.00	\$1,750.00
22.	GRADE B BORROW BACKFILL	160	TON	\$25.00	\$4,000.00
23.	SEEDING & STRAW	3930	L.F.	\$2.00	\$7,860.00
24	PRESSURE & LEAKAGE TESTING	4890	L.F.	\$1.00	\$4,890.00
23.	DISINFECTION	4890	L.F.	\$1.00	\$4,890.00

TOTAL PROBABLE CONSTRUCTION COST	\$312,000.00
10% CONSTRUCTION CONTINGENCY	\$28,610.00
SUBTOTAL PROBABLE CONSTRUCTION COST	\$283,390.00

TD-7 - SCADA SYSTEM IMPROVEMENTS

1.	MASTER CONTROL UNIT @ WATER OFFICE	1	L.S.	\$50,000.00	\$50,000.00
2.	RTU @ TANK NO. 1/METER PIT	1	L.S.	\$20,000.00	\$20,000.00
3.	RTU @ TANK NO. 2	1	L.S.	\$18,000.00	\$18,000.00
4.	RTU @ PLRWSD METER PIT NO. 1	1	L.S.	\$15,000.00	\$15,000.00
5.	RTU @ PLRWSD METER PIT NO. 2	1	L.S.	\$15,000.00	\$15,000.00
6.	RTU @ BIRDSEYE METER PIT	1	L.S.	\$18,000.00	\$18,000.00
7.	RTU @ HUNTINGBURG METER PIT	1	L.S.	\$18,000.00	\$18,000.00
8.	RTU @ BRETZVILLE PRV PIT	1	L.S.	\$18,000.00	\$18,000.00
9.	RTU @ ST. ANTHONY ROAD WEST PRV PIT	1	L.S.	\$18,000.00	\$18,000.00

TOTAL PROBABLE CONSTRUCTION COST	\$209,000.00
10% CONSTRUCTION CONTINGENCY	\$19,000.00
SUBTOTAL PROBABLE CONSTRUCTION COST	\$190,000.00

TD - 8 STATE ROAD 162 WATER MAIN REPLACEMENT/UPSIZE

				**	* 400 4 * 0 00
1.	8" PVC SDR-21 CL-200 PIPE W/TRACER WIRE	11,670	L.F.	\$35.00	\$408,450.00
2.	8" RJ PVC, SDR-21, C-200 PIPE BY UNCASED BORE				
	W/TRACER WIRE	1,530	L.F.	\$95.00	\$145,350.00
3.	CONNECTION TO EX. 8" MAIN	1	EA.	\$6,000.00	\$6,000.00
4.	CONNECTION TO EX. 6" MAIN	2	EA.	\$5,500.00	\$11,000.00
5.	CONNECTION TO EX. 4" MAIN	2	EA.	\$5,000.00	\$10,000.00
6.	CONNECTION TO EX. 3" MAIN	4	EA.	\$4,700.00	\$18,800.00
7.	3-WAY PIPE HYDRANT W/6" GATE VALVE	5	EA.	\$5,000.00	\$25,000.00
8.	8" GATE VALVE W/POLY ENCASEMENT	13	EA.	\$1,700.00	\$22,100.00
9.	6" GATE VALVE W/POLY ENCASEMENT	1	EA.	\$1,200.00	\$1,200.00
10.	4" GATE VALVE W/POLY ENCASEMENT	3	EA.	\$1,000.00	\$3,000.00
11.	3" GATE VALVE W/POLY ENCASEMENT	3	EA.	\$900.00	\$2,700.00
12.	CUT & CAP EXISTING MAIN	12	EA.	\$750.00	\$9,000.00
13.	SERVICE LINE (OPEN CUT PLACEMENT)	405	L.F.	\$18.00	\$7,290.00
14.	SERVICE LINE (BORE)	1,700	L.F.	\$22.00	\$37,400.00
15.	RECONNECT EX. SERVICE METERS	44	EA.	\$500.00	\$22,000.00
16.	GRADE "B" BORROW BACKFILL	1,000	TON	\$25.00	\$25,000.00

TD - 8 STATE ROAD 162 WATER MAIN REPLACEMENT/UPSIZE (CONTINUED)

17.	STONE RESURFACING	100	TON	\$25.00	\$2,500.00
18.	SEEDING & STRAWING	10,140	L.F.	\$2.00	\$20,280.00
19.	PRESSURE & LEAKAGE TESTING OF WATER MAINS	13,200	L.F.	\$1.00	\$13,200.00
20.	DISINFECTION OF WATER MAINS	13,200	L.F.	\$1.00	\$13,200.00

TOTAL PROBABLE CONSTRUCTION COST	\$884,000.00
10% CONSTRUCTION CONTINGENCY	\$80,530.00
SUBTOTAL PROBABLE CONSTRUCTION COST	\$803,470.00

TD-9 - COUNTY ROAD 50 E WATER MAIN REPLACEMENT /UPSIZE

1.	6" PVC SDR-21 CL-200 PIPE W/TRACER WIRE	8,320	L.F	\$31.00	\$257,920.00
2.	6" RJ PVC SDR-21 CL-200 PIPE W/TRACER WIRE	1,080	L.F.	\$90.00	\$97,200.00
3.	CONNECTION TO EX. 6" MAIN	2	EA.	\$5,500.00	\$11,000.00
4.	CONNECTION TO EX. 4" MAIN	1	EA.	\$5,000.00	\$5,000.00
5.	CONNECTION TO EX. 3" MAIN	2	EA.	\$4,700.00	\$9,400.00
6.	3-WAY FIRE HYDRANT W/6 GATE VALVE	3	EA.	\$5,000.00	\$15,000.00
7.	6" BLOW-OFF VALVE	1	EA.	\$3,000.00	\$3,000.00
8.	6" GATE VALVE W/POLY. ENCASEMENT	10	EA.	\$1,200.00	\$12,000.00
9.	3" GATE VALVE W/POLY. ENCASEMENT	2	EA.	\$900.00	\$1,800.00
10.	CUT & CAP EXISTING MAIN	7	EA.	\$750.00	\$5,250.00
11.	SERVICE LINE (OPEN CUT PLACEMENT)	285	L.F.	\$18.00	\$5,130.00
12.	SERVICE LINE (BORE)	1,200	L.F.	\$22.00	\$26,400.00
13.	RECONNECT EX. SERVICE METER	35	EA.	\$500.00	\$17,500.00
14.	GRADE "B" BORROW BACKFILL	500	TON	\$25.00	\$12,500.00
15.	STONE RESURFACING	140	TON	\$25.00	\$3,500.00
16.	SEEDING & STRAWING	7,900	L.F.	\$2.00	\$15,800.00
17.	PRESSURE AND LEAKAGE TESTING OF WATER MAINS	9,400	L.F.	\$1.00	\$9,400.00
18.	DISINFECTION OF WATER MAINS	9,400	L.F.	\$1.00	\$9,400.00

TOTAL PROBABLE CONSTRUCTION COST	\$569,000.00
10% CONSTRUCTION CONTINGENCY	\$51,800.00
SUBTOTAL PROBABLE CONSTRUCTION COST	\$517,200.00

M-1 ANNUAL METER UPGRADES

1.	2021 METER REPLACEMENTS	10	EA.	\$175.00	\$1,750.00
2.	2022 METER REPLACEMENTS	10	EA.	\$175.00	\$1,750.00
3.	2023 METER REPLACEMENTS	10	EA.	\$175.00	\$1,750.00
4.	2024 METER REPLACEMENTS	10	EA.	\$175.00	\$1,750.00
5.	2025 METER REPLACEMENTS	10	EA.	\$175.00	\$1,750.00
6.	2026 METER REPLACEMENTS	10	EA.	\$175.00	\$1,750.00

TOTAL PROBABLE CONSTRUCTION COST	\$12,000.00
10% CONSTRUCTION CONTINGENCY	\$1,500.00
SUBTOTAL PROBABLE CONSTRUCTION COST	\$10,500.00

M-2 SYSTEM WIDE METER REPLACEMENT

1.	NEW SERVICE METERS (MATERIAL)	740	EA.	\$275.00	\$203,500.00
2.	SERVICE METER REPLACEMENT (METER ONLY)	185	EA.	\$100.00	\$18,500.00
3.	SERVICE METER REPLACEMENT (METER & SETTER)	185	EA.	\$400.00	\$74,000.00
4.	SERVICE METER REPLACEMENT (METER, SETTER AND PIT)	370	EA.	\$1,300.00	\$481,000.00

SUBTOTAL PROBABLE CONSTRUCTION COST	\$777,000.00
10% CONSTRUCTION CONTINGENCY	\$77,000.00
TOTAL PROBABLE CONSTRUCTION COST	\$854,000.00

F. ESTIMATED PROJECT SCHEDULE FOR IMPROVEMENTS

To avoid a major upfront capital expenditure, the necessary improvements have been prioritized and are proposed to be completed over the next five years (2021 thru 2026) as follows:

	•			
			Non-Construction	Total
Project	Year	<u>Cost</u>	Cost	<u>Cost</u>
M-1: Annual Meter Upgrade	2021	\$1,750	0	\$1,750
EA-2: Purchase New Maintenance Truck	2021	\$65,000	0	\$65,000
EA-4: Office Computer System Upgrade	2021	\$25,000	0	\$25,000
TD-1: Fire Hydrant Replacement	2021	\$44,500	\$6,500	\$51,175
TD-5: Booster Station Building Rehabilitation	2021	\$12,000	0	\$12,000
TD-6: Bretzville Area Water Main Replacement	2021	\$104,000	\$26,000	\$130,000
2021 Total	l	\$252,250	\$32,500	\$284,750
M-1: Annual Meter Upgrade	2022	\$1,750	0	\$1,750
ST-2: 200,000 Elevated Storage Tank Impr.	2022	\$145,000	\$36,000	\$181,000
TD-1: Fire Hydrant Replacement	2022	\$44,500	\$6,500	\$51,000
TD-2: Flush Hydrant Replacement	2022	\$78,500	\$12,000	\$90,500
TD-3: Valve Replacements/Additions	2022	\$21,500	\$3,500	\$25,000
TD-6: Bretzville Area Water Main Replacement	2021	\$104,000	\$26,000	\$130,000
2022 Total	l	\$395,250	\$84,000	\$479,250
M-1: Annual Meter Upgrade	2023	\$1,750	0	\$1,750
ST-1: 75,000 Gallon Standpipe Improvements	2023	\$200,000	\$50,000	\$250,000
TD-2: Flush Hydrant Replacement	2023	\$78,500	\$12,000	\$90,500
TD-3: Valve Replacements/Additions	2023	\$21,500	\$3,500	\$25,000
TD-6: Bretzville Area Water Main Replacement	2023	\$104,000	\$26,000	\$130,000
2023 Total	l	\$405,750	\$91,500	\$497,250
M-1: Annual Meter Upgrade	2024	\$1,750	0	\$1,750
TD-9: County Road 50 E Water Main Replacement	2024	\$569,000	\$142,000	\$711,000
2024 Total	1	\$570,750	\$142,000	\$712,750
M-1: Annual Meter Upgrade	2025	\$1,750	0	\$1,750
TD-4: PRV/Meter Pit Rehabilitation	2025	\$40,000	\$10,000	\$50,000
TD-7: SCADA System Improvements	2025	\$209,000	\$52,000	\$261,000
TD-8: State Road 162 Water Main Replacement	2025	\$442,000	\$110,000	\$552,000
2025 Total	l	\$692,750	\$172,000	\$865,750
M-2: System Wide Meter Upgrade	2026	\$854,000	\$214,000	\$1,068,000
TD-8: State Road 162 Water Main Replacement	2026	\$442,000	\$111,000	\$553,000
2026 Total	l	\$1,296,000	\$325,000	\$1,621,000
Overall Tota	al	\$3,612,750	\$847,000	\$4,460,750

OUCC Attachment CNS-4 Cause No. 45671-L

Page 1 of 8

Town of Birdseye 103 W. State Road 64 Birdseye, IN 47513 812-389-2419

February 27, 2022

Secretary of the Commission, IN Utility Regulatory Commission 101 W. Washington Street, Suite 1500 East Indianapolis, IN 46204

To Whom It May Concern:

This is letter is being sent to ask for a public hearing concerning St. Anthony water rate increase. The Town of Birdseye has a contract with St. Anthony to purchase 500,000 gallons per month. When the contract was first signed over 50 years ago, it was considered a "gentleman's agreement". They informed our council that the minimum would never be enforced. Our bill is currently around \$1400 for 130,000 gallons and will be around \$4000 if this rate goes through and they enforce the minimum amount due. Asking for a \$8,12% increase is absolutely ridiculous. We would have to pass that increase on to our customers, which is not morally right. Please stop them for price gauging their customers. We are also trying to apply for a grant, but jumping up that significantly will hurt their customers tremendously.

Sincerely,

Brittany Schepers

Birdseye Clerk/Treasurer

OUCC Attachment CNS-4 Cause No. 45671-U Page 2 of 8

P & R Farms, LLC 5195 E. State Road 64 St. Anthony, IN 47575

February 27, 2022

Birdseye Clerk/Treasurer Brittany Schepers, Clerk/Treasurer 103 W. State Road 64 Birdseye, IN 47513

RE: PROTEST of Proposed Water Rate Increase

Dear Brittany,

We protest the magnitude of the water rate increase proposed by St. Anthony Water Utilities at 58.12%. We understand that this rate increase would be passed on to Birdseye Water Utilities and their consumers. This is an excessive increase and adds charges in excess of inflation.

At a time when the economy is unstable and inflation is rising, we feel this proposal should be re-evaluated.

The school referendum went into effect last year and will continue for the next 7 years. This was already an added expense to the Southeast Dubols County District.

A water rate increase of \$8.12% would be an added hardship.

Again, we protest this proposed water rate increase.

Respectfully, Pat. In mausLucker

Pat & Mary Lueken P & R Farms, LLC

Rivera, Olivia

From:	Alex MIsna <alexmisna@yahoo.com></alexmisna@yahoo.com>
Sent:	Monday, February 21, 2022 8:07 AM
То:	UCC Consumer Info
Subject:	Proposed Water Rate Increase for customers of St. Anthony Water Utilities

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Greetings,

I, along with my neighbors, recently received a post card with some information regarding a rate increase of 58.12%. Though the need for an increase is understandable, the amount of the increase and other details are greatly lacking to justify this large of an increase. With that in mind, I would greatly appreciate you addressing the follow concerns that others and I currently have, knowing that your responses may drive additional questions and concerns:

1) Can you confirm that the proposed rate increase is solely related to the base rate (connection fee and up to the first 2000 gallons only)?

2) Can you confirm that there is NO increase in usage rates above the initial base rate? Meaning, that for each xxx gallons above the initial 2000 gallons, there is NOT an increase in that usage rate.

3) Why hasn't there been consideration of a gradual rate increase over the past 30 years versus impacting the customers with a massive one time, hopefully, increase?

4) There are some customers that are on a fixed income, mainly senior citizens, can you document any and all considerations that were made for those customers, good and well knowing that they are minimal water users and such an increase is very costly for them?

5) Can you provide financial analysis efforts that were conducted in which lead to this new base rate determination?

6) Can you provide the results of #5 along with estimates on how long until the next rate increase would deemed to be necessary? Basically, wanting to understand how often the committee is expecting this rate increase to last before the next one will occur and to what amount of a potential increase the next rate increase may result.

I greatly appreciate your time and responses to these questions. I will share your answers with many of my neighbors, fellow customers.

Best Regards,

Alex MIsna

OUCC Attachment CNS-4 Cause No. 45671-U Page 4 of 8

Secretary of Commission, Indiana Utility Regulatory Commission 101 W. Washington St, Suite 1500 E Indianapolis, IN 46204

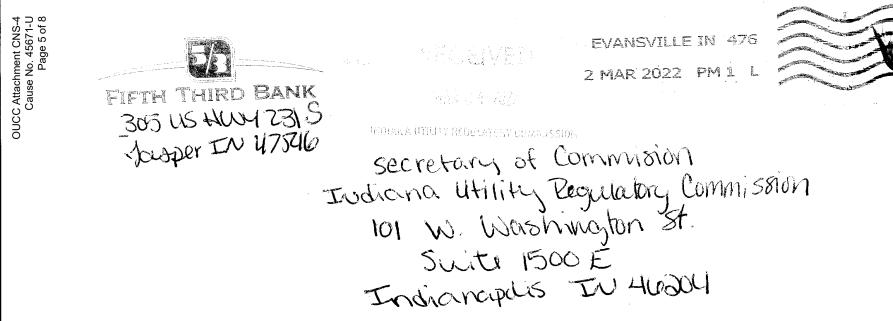
To whom it may concern,

I am writing to you today to ask that you reconsider the 58% increase for St. Anthony Water. In todays economy, with inflation and rising prices in almost every area, this increase is high. In our area we also have to take into account that we have Patoka Lake Water and Sewer which is something most people do not have to take into account when thinking about water usage. Along with the water and sewer bill, with water potentially increasing, there's also electric which is extremely high right now. I understand the need for better equipment and material, but this is quite an expensive increase. It may not seem much to some, but for most even a small increase can push them over the edge of being able to afford a decent living. There hasn't been any increase in minimum wage in years and with the world issues we've been facing, as well as due to Covid, it's becoming increasingly hard to manage basic needs for most. We don't live in a large city and most who live in this community are struggling. If there is a way to gradually increase the raising rates this would be in the best interest of everyone. Please reconsider such a high rate increase during this time.

Thank you,

Rachelle Klem

Rachelle Klem



46204-276499

OUCC Attachment CNS-4 Cause No. 45671-U Page 6 of 8

Secretary of Commission, Indiana Utility Regulatory Commission 101 W. Washington St, Suite 1500 E Indianapolis, IN 46204

March 2, 2022

To whom it may concern:

I am writing today because I am concerned and upset about the 58.12% across the board increase for St. Anthony water. As a single income parent of 4 children we use a lot of water cooking and keeping everyone and their clothing clean. You may not think \$10 a month is too much to ask for, however with inflation for everything being as high as it is right now I just don't know how single income or families on social security will be able to keep up. What used to cost \$100 at the grocery store is now \$200, gas price just keep rising, and I don't feel like now is an appropriate time to increase a necessary life source by 58%. Talk about kicking someone while they are down. Families are struggling to make ends meet, and now you want \$120 more per year from us. Last I checked none of us got raises, and minimum wage hasn't gone up in almost as long as these water prices, don't you feel like some where those things should go together.

With this increase St Anthony water will be the most expensive water in our area, if others can offer it at a lower price then why can't you. The goal is not to line the pockets of board members or have the fanciest water tower, it is to provide water to families and businesses that have to have it to live/function. I understand that increases are needed to keep up with the rising cost of materials to supply that water, however why must the current customers suffer for lack of planning in previous years. A more gradual increase would be more welcome; more manageable. Please take this into consideration while making you final decision about this increase, and offer a public hearing so others might voice their concerns about this increase and how it will effect their families, businesses and over all this community.

Thank you for your time,

Morgan Reyling-Schwartz

OUCC Attachment CNS-4 Cause No. 45671-U Page 7 of 8 EVANSVILLE IN 476 2 MAR 2022 PM 1 FIFTH THIRD BANK PO BOX 43 Secretary of Commission Indiana Utility Regulator Commission St Anthony 47575 101 W. Washington St Swith 1500E Indianapolis IN 46004 词的现在目标出生的过去式和多数。

Rivera, Olivia

From:	Jenelle Oser <tojomoto1@yahoo.com></tojomoto1@yahoo.com>
Sent:	Wednesday, March 2, 2022 12:23 PM
То:	UCC Consumer Info
Subject:	Fw: To whom it may concern,

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

----- Forwarded Message -----From: Jenelle Oser <tojomoto1@yahoo.com> To: "tojomoto1@yahoo.com" <tojomoto1@yahoo.com> Sent: Wednesday, March 2, 2022, 12:17:21 PM EST Subject: To whom it may concern,

To whom it may concern,

Hi, My name is Jenelle Oser and I am writing to you with concerns of the proposed 58% price increase. I am a small business owner located on 5210 South Patoka Road in Huntingburg. With this increase in price I will I will be forced to increase the rate I charge my clients. Also with recent increase in our property tax, gas, and the cost of living in general, this increase of 58% is just to much. This increase with effect not only me, but my family and my business. I am not for this price increase and believe there needs to be a further discussion on this issue. If you would like more information, please feel free to contact me, 812-827-0304.

Thanks for your time,

Jenelle Oser 5210 S Patoka Rd Huntingburg In 47542

Sent from my iPhone