Bryant Water and Wastewater Committee

Boswell Municipal Complex - City Hall Conference Room

Date: August 06, 2024 - **Time:** 6:00 PM

Leak Adjustments Review

1. July Leak Adjustments

- WSAC Report 07.2024 (1).pdf

Approval of Minutes

2. July meeting unapproved for August 2024

- July meet unapproved for August 2024.pdf

Finance Reports

3. June Financial Report

- JuneFinancialReport2024..pdf

Public Comments

Old Business

New Business

Public Works

4. Crist Presentation: Water Master Plan Executive Summary

- Bryant Master Plan Executive Summary.pdf

5. Crist Presentation: Water Master Plan

- Bryant Master Plan Draft.pdf

6. Water Sanitary Survey Presented by Bryce Rimmer

- WaterSanitarySurvey2024.pdf

7. Water Survey

- WaterSurvey.pdf

Projects

8. Saline Regional Update

CITY OF BRYANT WATER AND WASTEWATER UTILITIES
MONTHLY LEAK ADJUSTMENT REPORT

SUMMARY
Date: July 2024

Total Number of Request for Adjustment		Total Number of Adjustments Approved	
Highest Bill Adjusted		Lowest Bill Adjusted	
Total Gallons Adjusted		Total Cost of Adjustments	

DETAILS

Customer Name	Gail Mayfield	Customer Address	3009 Pikewood #1
Date Leak Detected by AMI		Date Customer Notified	
Date Leak Started		Date Leak Repaired	6/24
Amount of Bill:	$303.42	Usage:	161
Average Bill:	$44.74	Three Month Average Usage:	420
Adjustment Approved:	Yes / No	Approved By:	
Amount of Adjustment to Sewer Bill:	$124.57	Adjusted Bill Amount:	$178.85
Customer Name	Bretney Jones	Customer Address	2105 Coraltree
Date Leak Detected by AMI		Date Customer Notified	
Date Leak Started		Date Leak Repaired	3/24
Amount of Bill:	$639.16	Usage:	338
Average Bill:	$189.67	Three Month Average Usage:	93
Adjustment Approved:	Yes / No	Approved By:	
Amount of Adjustment to Sewer Bill:	$216.45	Adjusted Bill Amount:	422.71
Customer Name	Kaisha Easter	Customer Address	1304 Medinah Blvd
Date Leak Detected by AMI		Date Customer Notified	
Date Leak Started		Date Leak Repaired	7/24
Amount of Bill:	$391.49	Usage:	203
Average Bill:	New Customer	Three Month Average Usage:	
Adjustment Approved:	Yes / No	Approved By:	
Amount of Adjustment to Sewer Bill:	$161.68	Adjusted Bill Amount:	$229.81
Customer Name	Jaleighsa Frasure	Customer Address	604 SE 1st St.
Date Leak Detected by AMI		Date Customer Notified	
Date Leak Started		Date Leak Repaired	6/24
Amount of Bill:	$463.02	Usage:	242
Average Bill:	$88.76	Three Month Average Usage:	38
Adjustment Approved:	Yes / No	Approved By:	
Amount of Adjustment to Sewer Bill:	$180.23	Adjusted Bill Amount:	$282.79
Customer Name		Customer Address	
Date Leak Detected by AMI		Date Customer Notified	
Date Leak Started		Date Leak Repaired	
Amount of Bill:		Usage:	
Average Bill:		Three Month Average Usage:	
Adjustment Approved:	Yes / No	Approved By:	
Amount of Adjustment to Sewer Bill:		Adjusted Bill Amount:	

CITY OF BRYANT WATER AND WASTEWATER UTILITIES
LEAK ADJUSTMENT REQUEST

Date of Request: 7/24
Customer Name: Gail Mayfield
Service Address: 3009 Pikewood #1
City: Bryant
Date Leak Detected:

Service Account No.: 101-06393-02
Home Phone:
Work Phone:
State, Zip: AR 72022
Date Repaired: 6/24

Description of Cause of Leak *(faucet, toilet, underground, etc.)*:

Leak on Service Line

Explanation of how leak was repaired: *Attach plumbing invoice or receipts for repair parts*

Sworn Statement:

I _____, swear or affirm that the above and foregoing representations are true and correct to the best of my information, knowledge, and belief.

_____
Signature

- You have the right to appeal the Customer Service Manager's decision to the Water and Sewer Advisory Committee (WSAC).
- If you are dissatisfied with the decision of the WSAC you have the right to appear before the Bryant City Council for a final decision.

Office Use Only

Amount of Bill:	$303.42	Usage:	161
Average Bill:	$44.74	Three Month Average Usage:	120
Adjustment Approved:	Yes ☐ No ☐	Approved By:	
Amount of Adjustment to Sewer Bill:	$124.57	Adjusted Bill Amount:	$178.85
Payment Plan	Yes ☐ No ☐	Payment Period	3 Months ☐ 6 Months ☐
		Payment Amt.	

_____
Customer Service Manager

 Acct# 101-06393-07

S & K Quality Plumbing, Inc.
210 Cornerstone Road
Alexander, AR 72002
501-455-8100

Invoice

Date	Invoice #
6/15/2024	36203

Bill To

Al Zoellner
16301 Alexander Road
Alexander, AR 72002

P.O. No.	Terms	Project
	Net 10	3009 Pikewood - Cit...

Quantity	Description	Rate	Amount
	Labor and material to dig up and repair leak on water service at light pole by garage.		
1	Ft. 3/4" Pex Pipe	1.60	1.60T
2	3/4" CTS Brass Coupling	64.97	129.94T
	Plumber Labor 6/11/24 - 2.5 Hours	258.00	258.00
	Sales Tax in Bryant	9.875%	12.99

Thank you in advance for your prompt payment!
Remit to address above.

Total $402.53

Any invoice(s) not paid within 30 days of billing date will be subject to a 10% monthly charge or a flat $15.00 monthly charge until past due balance is paid in full.

S&K Quality Plumbing reserves the right to any and all means of collections available under law to collect this debt and customer will be liable for any legal fees incurred to collect this debt.

Next Month 7/24 Billing

Acct# 101-06393-02

S & K Quality Plumbing, Inc.
210 Cornerstone Road
Alexander, AR 72002
501-455-8100

Invoice

Date	Invoice #
6/9/2024	36195

Bill To
Al Zoellner 16301 Alexander Road Alexander, AR 72002

P.O. No.	Terms	Project
	Net 10	3009 Pikewood - Cit...

Quantity	Description	Rate	Amount
	Labor and material to check for water leak underneath house. No leak found. Installed shut off valve on main water supply underneath house so that we could isolate the house from water service. It appears there might be a small leak on water service.		
1	3/4" Ball Valve	22.16	22.16T
	Plumber Labor 5/3/24 - 3.5 Hours	358.00	358.00
	Sales Tax in Bryant	9.875%	2.19

Thank you in advance for your prompt payment!
Remit to address above.

Total $382.35

Any invoice(s) not paid within 30 days of billing date will be subject to a 10% monthly charge or a flat $15.00 monthly charge until past due balance is paid in full.
S&K Quality Plumbing reserves the right to any and all means of collections available under law to collect this debt and customer will be liable for any legal fees incurred to collect this debt.

CITY OF BRYANT WATER AND WASTEWATER UTILITIES
LEAK ADJUSTMENT REQUEST

Date of Request: 5/24
Customer Name: Bretney Jones
Service Address: 2105 Coraltree
City: Bryant
Date Leak Detected:

Service Account No.: 001-0653802
Home Phone:
Work Phone:
State, Zip: AR 72022
Date Repaired: 3/24

Description of Cause of Leak *(faucet, toilet, underground, etc.)*:

Water Line from meter to house Leaking

Explanation of how leak was repaired: *Attach plumbing invoice or receipts for repair parts*

Sworn Statement:

I _____, swear or affirm that the above and foregoing representations are true and correct to the best of my information, knowledge, and belief.

_____
Signature

- You have the right to appeal the Customer Service Manager's decision to the Water and Sewer Advisory Committee (WSAC).
- If you are dissatisfied with the decision of the WSAC you have the right to appear before the Bryant City Council for a final decision.

For Official Use Only

Amount of Bill:	$639.16					Usage:	338		
Average Bill:	$189.67					Three Month Average Usage:	93		
Adjustment Approved:	Yes		No			Approved By:			
Amount of Adjustment to Sewer Bill:	$216.45					Adjusted Bill Amount:	$422.71		
Payment Plan	Yes		No		Payment Period	3 Months		6 Months	Payment Amt.	

_____
Customer Service Manager

001.06538.02

BR McGINTY
MECHANICAL CONTRACTOR

P.O. BOX 483
BRYANT, ARKANSAS 72089-0483
(501) 847-6800 (501) 847-6808 FAX
www.brmcginty.com

March 7, 2024

Re: Bretney Jones

2105 Coral Tree Drive

Bryant, AR. 72022

To Whom It May Concern:

BR McGinty Mechanical Contractors replaced a water service from the meter to the house at the above property on February 29, 2024.

If you have any questions, please feel free to contact me.

Sincerely,

Donna Stumon

Donna Stumon

Office Manager

RECEIPT

No. 279638

DATE 3/7/24 - Cash

FROM Brelney Jones

$ 3681.00

Three Thousand Six Hundred Eighty one & 00/100 DOLLARS

○ FOR RENT

○ FOR AR.4511665 / 626234

ACCT.	3681.00
PAID	3681.00
DUE	0

○ CASH
○ CHECK
○ MONEY ORDER
○ CREDIT CARD

FROM Donna TO Stumpf

BY

A-1152
T-4161

CITY OF BRYANT WATER AND WASTEWATER UTILITIES
LEAK ADJUSTMENT REQUEST

Date of Request: 6/24
Customer Name: Ka'Shia Easter
Service Address: 1304 Medinah Blvd
City: Bryant
Date Leak Detected:

Service Account No.: 001-04122-09
Home Phone:
Work Phone:
State, Zip: AR 72022
Date Repaired: 7.1.24

Description of Cause of Leak *(faucet, toilet, underground, etc.)*:

Toilet Leaking

Explanation of how leak was repaired: *Attach plumbing invoice or receipts for repair parts*

Sworn Statement:

I _____, swear or affirm that the above and foregoing representations are true and correct to the best of my information, knowledge, and belief.

_____
Signature

- You have the right to appeal the Customer Service Manager's decision to the Water and Sewer Advisory Committee (WSAC).
- If you are dissatisfied with the decision of the WSAC you have the right to appear before the Bryant City Council for a final decision.

FOR OFFICE USE ONLY

Amount of Bill:	$391.49	Usage:	203
Average Bill:	New Customer	Three Month Average Usage:	<20
Adjustment Approved:	Yes ☐ No ☐	Approved By:	
Amount of Adjustment to Sewer Bill:	$161.68	Adjusted Bill Amount:	$229.81
Payment Plan: Yes ☐ No ☐	Payment Period: 3 Months ☐ 6 Months ☐	Payment Amt:	

_____
Customer Service Manager

001-04122-09

Lakes at Hurricane Creek, a Limited Partnership
P O Box 13000
Fayetteville,AR 72703

Work Order No. 2619924
Date Call: 06/24/2024 04:12 PM

Status Work Completed

Date Completed: 06/25/2024 03:46 PM
Brief Desc: My toilet runs constantly causing m

Job Site: 0178/1304-MB
1304 Medinah Blvd.
Bryant,AR 72022

Caller Name: Kaisha Easter
Caller Phone: (501) 417-3061x
Occupant: Easter (t0317640)

Home (501) 417-3061x

Priority: 3-General
Ok to enter? YES
Category: Plumbing
SubCategory: Toilet
Animal in Apt? No

Problem Description: My toilet runs constantly causing my water bill to be high . They said someone needs to come look at it.

Parts & Labor

Quantity/ Hours	Item Type/ Employee Name	Description	Unit Price	Total
.00	Cherry	Cherry	.00	.00
			Total	.00

Authorized by: _____
Signed by _____
Dated _____
Invoice No. _____

Full Description My toilet runs constantly causing my water bill to be high . They said someone needs to come look at it.

Technician Notes: Replaced fill valve and flapper

CITY OF BRYANT WATER AND WASTEWATER UTILITIES
LEAK ADJUSTMENT REQUEST

Date of Request: 7/24
Customer Name: Jaleighsa Frasure
Service Address: 604 SE 15th St.
City: Bryant
Date Leak Detected:

Service Account No.: 001-01065-09
Home Phone:
Work Phone:
State, Zip: AR 72022
Date Repaired: 6/24

Description of Cause of Leak *(faucet, toilet, underground, etc.)*:

Toilet leaking

Explanation of how leak was repaired: *Attach plumbing invoice or receipts for repair parts*

Sworn Statement:

I _____, swear or affirm that the above and foregoing representations are true and correct to the best of my information, knowledge, and belief.

_____
Signature

- You have the right to appeal the Customer Service Manager's decision to the Water and Sewer Advisory Committee (WSAC).
- If you are dissatisfied with the decision of the WSAC you have the right to appear before the Bryant City Council for a final decision.

For Office Use Only

Amount of Bill:	$463.02					Usage:	242				
Average Bill:	$88.76					Three Month Average Usage:	38				
Adjustment Approved:	Yes		No			Approved By:					
Amount of Adjustment to Sewer Bill:	$180.23					Adjusted Bill Amount:	$282.79				
Payment Plan	Yes		No		Payment Period	3 Months		6 Months		Payment Amt:	

Customer Service Manager

MidTown Mechanical Service
PO Box 2162
Benton, AR 72018

Phone: (501) 765-5380
payables.midtown@gmail.com
https://www.midtownmechanicalservices.com/

604 SE 1st St.

001-01065-09

Billing Address
Kevin Green Rental
604 S East 1st Street
Bryant, AR 72022

Service Address
Kevin Green Rental
604 S East 1st Street
Bryant, AR 72022

Invoice #: i2186

Transaction Date: 6/28/2024

Terms: Net 15

Invoice Due Date: 7/13/2024

Item	Description	Quantity	Price
Repairs	6/28/2024 Called out to locate leak Discovered running toilet in house Rebuilt toilet Replaced existing compression stop with new Tested to verify no leaks at this time	1	$0.00
Material		1	$40.74
Labor + Tax		1	$131.40
Credit Card Transaction		1	$5.16

Subtotal:	$177.30
Tax:	$0.00
Balance Due:	$0.00

PAID

You can pay online or by mailing a check to the address listed above.
(Please include invoice number with your payment.)
Thank you for your business!

Bryant Water and Wastewater Committee Minutes

Date: Tuesday, July 2,2024

Time: 6:00 P.M.

Location: 210 SW 3rd Street, Bryant, AR 72022

Members Present: Linda Levart, Al Wise, David Hannah, Nancy Pruitt, Wade Boone

Members Absent: Kathy Barber, Leroy Tinkler, Madison McEntire

Staff Present: Tim Fournier, Amanda Roe, Moriah Winkel

Call to Order: This meeting was called to order by: **David Hannah**

June Leak Adjustment Requests: All requested adjustments were approved.

Motion to Approve Leak Adjustments: **Linda Levart**
Motion Seconded: **Al Wise**
Motion carried with 5 votes

Minutes: Motion to Approve June Minutes as Presented: **Linda Levart**

Motion Seconded: **Wade Boone**
Motion carried with 5 votes

Financials: Reviewed. No vote needed to approve.

Public Comments: None.

Old Business: None

New Business: **Master Plan Updates:** The Water Master Plan is almost complete. Crist Engineers will be at our next committee meeting to present the Water Master Plan to the Committee. Mayor Treat has asked for a formal motion for Council to join the presentation on August 6th.
Motion: **Al Wise**
Motion Seconded: **Linda Levart**

Project Updates:
*Meters and Leah Cr were granted extensions of the close date. Leah Cr is ready to go out for bid.
*Springhill is being upsized from 15" to 18".
*Rate Study total is quoted for $29,700 with Willdan and was approved by Council to complete.

Survey: Surveys are going out to the residents to get input on their opinions with what they think needs to be included in the rate studies. These will be posted on Social Media outlets, yard signs, and billing.

Projects: **Saline Regional Public Water Update:** Crist Engineering is still working on preliminary engineering.

Motion to Adjourn: **Al Wise**
Motion Seconded: **Wade Boone**
Carried with 5 votes

:

Financial Statements
June 2024

General - Executive Summary
Revenue & Expenditures

June 2024

	Annual Budget	YTD Budget	January	February	March	April	May	June	July	August	September	October	November	December	Actual YTD Total	Favorable (Unfavorable) Variance	Annual Budget Remaining
Revenues:																	
General	19,808,245	9,904,123	1,558,612	1,816,178	1,517,115	1,551,484	1,967,992	1,565,539	0	0	0	0	0	0	9,976,920	72,798	9,831,325
Administration	8,707,220	4,353,610	714,283	635,767	616,011	703,066	1,060,070	645,826							4,375,024	21,414	4,332,196
Community Development	679,300	339,650	72,959	69,774	47,833	56,574	64,626	67,994							379,759	40,109	299,541
Animal Control	694,700	347,350	57,184	57,173	57,553	57,375	65,611	57,476							352,371	5,021	342,329
Court	743,420	371,710	51,499	46,494	52,621	100,338	47,388	39,617							337,958	(33,752)	405,462
Parks	2,419,825	1,209,913	161,714	167,276	169,202	236,207	217,774	235,700							1,187,873	(22,039)	1,231,952
Fire	4,220,450	2,110,225	363,573	345,193	344,348	348,350	364,528	344,300							2,110,292	67	2,110,158
Police	2,343,330	1,171,665	137,400	494,500	229,547	49,574	147,995	174,626							1,233,643	61,977	1,109,688
Total Revenues	**19,808,245**	**9,904,123**	**1,558,612**	**1,816,178**	**1,517,115**	**1,551,484**	**1,967,992**	**1,565,539**	**-**	**-**	**-**	**-**	**-**	**-**	**9,976,920**	**72,798**	**9,831,325**
Expenditures:																	
General	19,837,228	9,918,614	1,603,612	1,425,508	1,840,783	1,434,425	1,466,008	1,388,998	-	-	-	-	-	-	9,159,334	759,279	10,677,893
Administration	1,031,478	515,739	77,017	25,689	54,480	51,697	111,198	25,574							345,654	170,085	685,824
Community Development	719,668	359,834	56,238	50,722	59,385	49,956	51,891	51,018							319,210	40,623	400,457
Animal Control	843,555	421,777	52,130	54,199	74,779	62,438	60,203	65,299							369,048	52,729	474,507
Court	669,695	334,847	41,987	65,967	65,338	46,390	34,028	37,146							290,855	43,992	378,839
Parks	3,087,510	1,543,755	221,576	253,254	287,227	206,722	251,361	239,393							1,459,532	84,223	1,627,978
Fire	5,777,688	2,888,844	520,198	409,115	598,310	466,098	396,607	410,034							2,800,363	88,481	2,977,325
Police	7,707,634	3,853,817	634,466	566,563	701,265	551,124	560,719	560,534							3,574,672	279,146	4,132,963
Total Expenditures	**19,837,228**	**9,918,614**	**1,603,612**	**1,425,508**	**1,840,783**	**1,434,425**	**1,466,008**	**1,388,998**	**-**	**-**	**-**	**-**	**-**	**-**	**9,159,334**	**759,279**	**10,677,893**
Excess (Deficit) of Revenues over Expenditures	**(28,983)**	**(14,491)**	**(45,000)**	**390,669**	**(323,668)**	**117,060**	**501,984**	**176,541**	**-**	**-**	**-**	**-**	**-**	**-**	**817,586**	**(686,482)**	**(846,568)**

Street - Executive Summary
Revenue & Expenditures

	Annual Budget	YTD Budget	January	February	March	April	May	June	July	August	September	October	November	December	Actual YTD Total	Favorable (Unfavorable) Variance	Annual Budget Remaining
Revenues:																	
Street	3,803,875	1,901,938	369,056	332,038	300,548	349,482	532,495	327,468							2,211,087	309,150	1,592,788
Total Revenues	**3,803,875**	**1,901,938**	**369,056**	**332,038**	**300,548**	**349,482**	**532,495**	**327,468**	**-**	**-**	**-**	**-**	**-**	**-**	**2,211,087**	**309,150**	**1,592,788**
Expenditures:																	
Street Operating	3,988,192	1,994,096	245,436	245,159	263,024	271,578	276,576	215,679							1,517,453	476,643	2,470,739
Street Capital	1,106,855	553,427	319,464	109,910	242,471	243,885	200,844	295,856							1,412,429	(859,002)	(305,575)
Total Expenditures	**5,095,047**	**2,547,523**	**564,900**	**355,069**	**505,495**	**515,463**	**477,420**	**511,535**	**-**	**-**	**-**	**-**	**-**	**-**	**2,929,882**	**(382,359)**	**2,165,165**
Excess (Deficit) of Revenues over Expenditures	**(1,291,172)**	**(645,586)**	**(195,844)**	**(23,032)**	**(204,947)**	**(165,981)**	**55,075**	**(184,067)**	**-**	**-**	**-**	**-**	**-**	**-**	**(718,795)**	**691,508**	**(572,377)**

Water - Executive Summary
Revenue & Expenditures
June 2024

	Annual Budget	YTD Budget	January	February	March	April	May	June	July	August	September	October	November	December	Actual YTD Total	Favorable (Unfavorable) Variance	Annual Budget Remaining
Revenues:																	
500-0900-4XXXs	5,445,547	2,722,774	336,937	441,575	383,882	310,226	606,325	377,539							2,456,485	(266,289)	2,989,063
Total Revenues	5,445,547	2,722,774	336,937	441,575	383,882	310,226	606,325	377,539	-	-	-	-	-	-	2,456,485	(266,289)	2,989,063
Expenditures:																	
500-0900-5XXXs	4,540,077	2,270,038	309,103	350,994	339,344	321,108	306,624	319,562							1,946,734	323,304	2,593,343
500-0900-58XX Capital	857,123	428,561	95,744	(95,744)	-	8,904	21,571	(24,427)							6,048	422,513	851,075
Total Expenditures	5,397,200	2,698,600	404,847	255,250	339,344	330,012	328,195	295,135	-	-	-	-	-	-	1,952,782	745,818	3,444,418
Excess (Deficit) of Revenues over Expenditures	48,348	24,174	(67,910)	186,325	44,539	(19,786)	278,130	82,405	-	-	-	-	-	-	503,703	(1,012,107)	(455,355)

Wastewater - Executive Summary
Revenue & Expenditures

	Annual Budget	YTD Budget	January	February	March	April	May	June	July	August	September	October	November	December	Actual YTD Total	Favorable (Unfavorable) Variance	Annual Budget Remaining
Revenues:																	
510-0950-4600	-	0	4,238	26,800	-	-	-	-	-	-				-	31,038	31,038	(31,038)
500-0950-4XXX	5,550,000	2,775,000	457,106	557,899	514,731	463,418	506,375	479,580							2,979,109	204,109	2,570,891
Revenues	5,550,000	2,775,000	461,343	584,699	514,731	463,418	506,375	479,580	-	-	-	-	-	-	3,010,147	235,147	2,539,854
Expenditures:																	
510-0950-5XXXs	4,578,773	2,289,386	319,828	332,462	395,051	2,125	332,880	302,711							1,685,057	604,330	2,893,716
510-0950-58XX's Capital	1,315,461	657,731	98,726	(96,901)	3,000	377,918	92,307	136,646							611,696	46,035	703,765
Total Expenditures	5,894,234	2,947,117	418,554	235,561	398,051	380,043	425,188	439,357	-	-	-	-	-	-	2,296,753	650,365	3,597,482
Excess (Deficit) of Revenues over Expenditures	(344,234)	(172,117)	42,790	349,139	116,680	83,375	81,188	40,223	-	-	-	-	-	-	713,394	(415,218)	(1,057,628)

Stormwater - Executive Summary
Revenue & Expenditures

	Annual Budget	YTD Budget	January	February	March	April	May	June	July	August	September	October	November	December	Actual YTD Total	Favorable (Unfavorable) Variance	Annual Budget Remaining
Revenues:																	
515-0140 on bills	308,000	154,000	26,228	27,452	28,243	27,170	27,505	27,302							163,900	9,900	144,100
515-0140-4XXX ARPA/reimbur	342,000	171,000	-	-	-			300,000							300,000	129,000	42,000
Total Revenues	650,000	325,000	26,228	27,452	28,243	27,170	27,505	327,302	-	-	-	-	-	-	463,900	138,900	186,100
Expenditures:																	
080-0140-Street Related	905,934	452,967	37,394	43,586	53,967	149,938	19,332	3,884							308,101	144,866	597,833
515-0140-Capital	1,353,771	676,886	-	-	-	113,688	130,939	(37,866)							206,761	470,125	1,147,011
Total Expenditures	2,259,705	1,129,853	37,394	43,586	53,967	263,626	150,271	(33,983)	-	-	-	-	-	-	514,862	614,991	1,744,843
Difference																	
Excess (Deficit) of Revenues over Expenditures	(1,609,705)	(804,853)	(11,167)	(16,134)	(25,723)	(236,456)	(122,766)	361,285	-	-	-	-	-	-	(50,962)	(476,091)	(1,558,743)
Check Digits/Transfers	5,550,000	2,775,000	452,868.12	557,899.35	514731.37	463417.5	506375.34	479579.74							2,974,871	199,871	2,575,129
Compare to last page fund 500	48,348	24,174	(67,910)	186,325	44,539	(19,786)	278,130	82,405	-	-	-	-	-	-	503,703	479,529	(455,355)

City Sales & Use Tax (Three Cent Sales Tax)

	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total	
2011	838,829	1,036,222	750,597	789,903	882,126	852,639	876,781	882,602	874,371	888,881	884,298	846,277	10,403,526	
2012	861,185	1,067,401	805,450	893,549	1,029,730	927,500	967,355	970,081	881,285	943,937	927,061	884,848	11,159,382	7.27%
2013	930,471	1,087,258	866,467	922,534	1,006,764	964,906	983,742	985,949	898,138	958,546	927,035	888,383	11,420,192	2.34%
2014	963,538	1,021,873	808,370	903,239	1,033,766	894,179	1,006,970	963,548	950,648	971,548	976,553	954,234	11,448,466	0.25%
2015	901,561	1,162,729	817,653	956,557	1,103,469	1,043,758	1,098,929	1,118,196	1,075,314	1,120,300	1,074,631	1,012,371	12,485,468	9.06%
2016	1,002,072	1,202,594	885,470	976,896	1,135,189	920,742	1,072,236	1,068,443	1,097,107	1,084,466	1,089,853	1,035,963	12,571,031	0.69%
2017	1,047,642	1,291,007	966,327	987,020	1,129,225	1,051,411	1,166,069	1,105,701	1,088,135	1,111,557	1,088,240	1,018,661	13,050,995	3.82%
2018	1,063,307	1,295,841	969,264	939,761	1,245,252	1,093,015	1,195,341	1,240,049	1,179,113	1,056,462	1,099,036	1,093,013	13,469,452	3.21%
2019	1,162,181	1,323,467	1,043,677	1,027,608	1,205,192	1,190,014	1,258,250	1,257,197	1,140,531	1,243,134	1,155,335	1,157,926	14,164,513	5.16%
2020	1,183,215	1,157,716	1,085,494	1,086,993	1,259,760	1,254,769	1,356,933	1,434,834	1,373,873	1,330,458	1,460,079	1,387,558	15,371,683	8.52%
2021	1,384,300	1,648,283	1,323,761	1,149,770	1,663,928	1,570,489	1,526,745	1,567,875	1,457,964	1,442,486	1,461,326	1,472,039	17,668,967	14.94%
2022	1,526,292	1,718,945	1,351,358	1,298,432	1,607,146	1,536,274	1,593,433	1,659,393	1,643,537	1,546,075	1,624,905	1,473,834	18,579,623	5.15%
2023	1,552,955	1,810,466	1,448,484	1,417,543	1,698,816	1,646,626	1,677,458	1,670,302	1,652,549	1,679,085	1,604,032	1,554,571	19,412,887	4.48%
2024	1,593,536	1,751,154	1,442,324	1,531,558	1,736,500	1,680,318								
Difference	40,582	(59,312)	(6,160)	114,015	37,684	33,693	(1,677,458)	(1,670,302)	(1,652,549)	(1,679,085)	(1,604,032)	(1,554,571)	(19,412,887)	
	2.61%	-3.28%	-0.43%	8.04%	2.22%	2.05%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	

The chart below shows how the 3% sales tax above is allocated for 2024.

1% GF	531,179	583,718	480,775	510,519	578,833	560,106	0	0	0	0	0	0	3,245,130
1/8 Parks	66,397	72,965	60,097	63,815	72,354	70,013	0	0	0	0	0	0	405,641
3/8 Fire	199,192	218,894	180,290	191,445	217,063	210,040	0	0	0	0	0	0	1,216,924
4/8 Bond	265,589	291,859	240,387	255,260	289,417	280,053	0	0	0	0	0	0	1,622,565
Animal 10%	53,118	58,372	48,077	51,052	57,883	56,011	0	0	0	0	0	0	324,513
Parks 10%	53,118	58,372	48,077	51,052	57,883	56,011	0	0	0	0	0	0	324,513
Fire 25%	132,795	145,929	120,194	127,630	144,708	140,027	0	0	0	0	0	0	811,282
Police 25%	132,795	145,929	120,194	127,630	144,708	140,027	0	0	0	0	0	0	811,282
Street 30%	159,354	175,115	144,232	153,156	173,650	168,032	0	0	0	0	0	0	973,539
Total	1,593,536	1,751,154	1,442,324	1,531,558	1,736,500	1,680,318	0	0	0	0	0	0	9,735,390
Divided by 3	531,179	583,718	480,775	510,519	578,833	560,106	0	0	0	0	0	0	0
Budgeted at	549,333	549,333	549,333	549,333	549,333	549,333	549,333	549,333	549,333	549,333	549,333	549,333	549,333
Diff.	(18,154)	34,385	(68,558)	(38,814)	29,500	10,773	(549,333)	(549,333)	(549,333)	(549,333)	(549,333)	(549,333)	(549,333)

June 2024

Governmental Funds Cash Reserves

Updated 1/31/24

120 days cash = $6.9M

Funds:				Days
	001	Gen Operating Acct	5,302,741	92
	002	Sales Tax Fund	3,343,050	58
	005	Designated Tax	1,820,824	32
			10,466,615	182
Springhill Fire Department (see details below)			(236,934)	-4
Emergency Telephone Service (See details below)			(499,508)	-9
Rolled Expenses from 2023 Capital Estimated at 1/22/24 +$60K			(187,773)	-3
			9,542,400	166

ACA 14-403-506

	Designated	Lia/Donations	AR	
Administration	0	1,808		4,767
Animal Control	343,704	52,308		
Parks	227,724	0		
Fire	518,379	217		6,160
Police	731,017	1		180,400
GF Totals	1,820,824			
Courts				89,881
GF Totals				281,208

Springhill Fire Department Summary

Beginning Balance (as of January 1, 2024)	$	225,659
2024 Revenue (Act 001-0510-4152)	$	27,979
2024 Expenses (Act 001-0510-5XXX all)	$	16,704
Current Balance as of this report ending date	$	236,934

Emergency Telephone Service

Beginning Balance (as of January 1, 2024)	$	476,776	Two Part Time Dispatch at $15K removed 4/18/23
2024 Revenue (Act 001-0610-4650)	$	27,000	
2024 Expenses (Act 001-0610-5650)	$	4,268	New Position amount deducted manually, start March 19, 2018
Current Balance as of this report ending date	$	499,508	Updated paid thru 12/31/2023

Street Funds:

120 days cash = $1.8M updated 1/31/24

080	Operating Acct	805,045		
005	Designated Tax	639,501		
		1,444,546	96	
	Capital	3,260,116		
515	Stormwater Cap Cash	332,368		
	Rolled Pos and Encumbrances	1,550,452		
	Difference	(1,218,083)	Funded by ARPA/Grants	

Budgeted Stormwater Projects include: Cambridge, Eastwood, Rogers, Feasibility Study

$1,849,835	Equipment and Vehicles
$452,963	Infrast- Storm and Regular
$957,317.91	Overlays
$3,260,116	Total Capital

Utility Cash Reserves

June 2024

Updated 1/31/24
120 days cash = $1.3Mil no capital

Funds:					
	500	Water Fund	20,969		
	550	Impact Fee Funds	27,896		
			48,865	5	
Reserved - Fixed Assets Infrastructure	500-0900-5808/16		542,223	50	
Reserved - Fixed Assets	500-0900-5824		500,000	46	Depreciation Expense Estimate
			1,042,223	96	
		Difference		-92	115 a piece if averaged

Updated 1/31/24
120 days cash = $1.2 Mil no capital

510	Wastewater Fund	2,245,634		
555	Impact Fee Funds	8,000		
		2,253,634	225	
Reserved - Fixed Assets Infrastructure	510-0950-5808/16	1,174,340	117	
Reserved - Fixed Assets Equipment	510-0950-5810	86,847	9	
Reserved - Fixed Assets	510-0950-5824	500,000	50	
		1,761,187	176	
	Difference		49	

	Pooled Cash GL 999	Pooled Cash Bank, 999	Balance Sheet Cash	End Bank Balances	Outstanding Checks and other	Outstanding Deposits		
General Fund, 001*	5,302,741	20,910,421	5,303,741	21,231,007	405,787	85,202	(1,000)	
Sales Tax Fund, 002	3,343,050		3,343,050				0	
Franchise Fees, 003	4,428,655		4,428,655				0	Bank Accounts
Designated Tax Fund, 005	2,460,325		2,460,325				0	7 Regular Regions
ARPA Investments, 007	0		832,794	832,794			0	6 bond regions
Electronic Fund, 010	0		2,010	35,710	33,701		0	4 first sec
Parks 1/8 Sales Tax, 045	351,022		351,022				0	1 Raymond James
Animal Control Donation,020	30,208		30,208				0	18 Total
Act 833 of 1991 Fire, 051	82,634		82,634				0	
Fire 3/8 Sales Tax Fire, 055	767,595		767,595				0	
Act 918 of 1983 Police, 061	59,742		59,742				0	
Act 988 of 1991 Police, 062	40,566		40,566				0	
Federal Drug Control PD, 066			29,256	29,256			0	
State Drug Control PD, 068			31,803	26,473		5,330	0	
Street Fund, 080	805,045	738,213	805,045	738,213			0	
Street Bond 2023 Rev 182			238,488	238,488			0	
Street Bond 2023 DSR 183			599,409	599,409			0	
Street Bond 2016 DS, 185			288,359	288,359			0	
Street Bond 2016 DSF, 186			333,395	333,395			0	
Street Bond Constru 2023, 188			4,522,956	4,522,956			0	
Act 1256 of 1995 Court, 030			1	1			0	
Act 1809 of 2001 Court, 031	50,858		50,858				0	
LT Govt Capital Assets, 090			0				0	
2016 SU Bond Spc Red, 110			73,062	73,062			0	
2016 SU Bond DSR, 113			742,409	742,409			0	
2016 SU Bond Fund, 114			1,057,074	1,057,074			0	
LT Govt Debt, 165			0				0	
Water Fund, 500*	20,969	329,696	21,579	334,095	4,399		(610)	112 water checks out of the old system to escheat to the state October of 2024
Wastewater Fund, 510	2,245,634	29,055	2,245,634	29,055			0	
Stormwater Cap Fund 515	332,368		332,368				0	
Enterprise Depreciation 525	1,191,515		1,191,515				0	
Water Impact Fund 550	27,896		27,896				0	
Wastewater Impact Fund 555	8,000		8,000				0	
2017 W/WW Bond, 604	0		92,286	92,286			0	
2017 W/WW DSR, 606			294,069	294,069			0	
W/WW Infrastructure Fee, 620	458,682		458,682				0	
Totals	22,007,506	22,007,386	31,146,488	31,498,113	443,887	90,532	(1,610)	120 Review each month

*Change Drawer amounts in Depts 120 and 200 of $200 and depts 300 and 430 of $300 equals $1000 difference, and $610 on fund 500

** The Shading above denotes the six groups on the following six pages of balance sheets, General Govt, Public Safety, Streets, Courts/Long Term Govt, Enter., E. Debt

Pooled Cash Report

Bryant, AR

For the Period Ending 6/30/2024

ACCOUNT #	ACCOUNT NAME	BEGINNING BALANCE	CURRENT ACTIVITY	CURRENT BALANCE
CLAIM ON CASH				
001-0000-1001	Claim on Cash	5,059,750.50	242,990.00	5,302,740.50
002-0000-1001	Claim on Cash	3,332,276.99	10,773.03	3,343,050.02
003-0000-1001	Claim on Cash	4,444,554.32	(15,899.23)	4,428,655.09
005-0000-1001	Claim on Cash	2,449,551.41	10,774.03	2,460,325.44
020-0000-1001	Claim on Cash	30,208.36	0.00	30,208.36
031-0000-1001	Claim on Cash	46,545.54	4,312.50	50,858.04
045-0000-1001	Claim on Cash	349,675.75	1,346.25	351,022.00
051-0000-1001	Claim on Cash	82,634.01	0.00	82,634.01
055-0000-1001	Claim on Cash	763,555.28	4,039.76	767,595.04
061-0000-1001	Claim on Cash	67,759.60	(8,017.36)	59,742.24
062-0000-1001	Claim on Cash	39,453.33	1,112.53	40,565.86
080-0000-1001	Claim on Cash	989,112.17	(184,067.05)	805,045.12
500-0000-1001	Claim on Cash	46,730.34	(25,761.23)	20,969.11
510-0000-1001	Claim on Cash	2,318,896.82	(73,263.08)	2,245,633.74
515-0000-1001	Claim on Cash	211,827.10	120,541.31	332,368.41
525-0000-1001	Claim on Cash	1,150,508.30	41,006.67	1,191,514.97
535-0000-1001	Claim on Cash	0.00	0.00	0.00
550-0000-1001	Claim on Cash	24,296.00	3,600.00	27,896.00
555-0000-1001	Claim on Cash	0.00	8,000.00	8,000.00
620-0000-1001	Claim on Cash	299,989.94	158,691.90	458,681.84
TOTAL CLAIM ON CASH		21,707,325.76	300,180.03	22,007,505.79
CASH IN BANK				
Cash in Bank				
999-0000-1000	Cash General Fund	20,271,124.62	639,296.81	20,910,421.43
999-0000-1031	Cash Street Fund	1,077,249.71	(339,036.78)	738,212.93
999-0000-1032	Cash Revenue Water Fund	329,695.97	0.00	329,695.97
999-0000-1033	Cash Water Operating Fund	29,055.46	0.00	29,055.46
TOTAL: Cash in Bank		21,707,125.76	300,260.03	22,007,385.79
TOTAL CASH IN BANK		21,707,125.76	300,260.03	22,007,385.79
DUE TO OTHER FUNDS				
999-0000-2500	Due to Other Funds	21,707,125.76	300,260.03	22,007,385.79
TOTAL DUE TO OTHER FUNDS		21,707,125.76	300,260.03	22,007,385.79

Claim on Cash	22,007,505.79	**Claim on Cash**	22,007,505.79	**Cash in Bank**	22,007,385.79
Cash in Bank	22,007,385.79	**Due To Other Funds**	22,007,385.79	**Due To Other Funds**	22,007,385.79
Difference	120.00	**Difference**	120.00	**Difference**	0.00

ACCOUNT #	ACCOUNT NAME	BEGINNING BALANCE	CURRENT ACTIVITY	CURRENT BALANCE
ACCOUNTS PAYABLE PENDING				
001-0000-2001	Accounts Payable Pending	(497.88)	(895.39)	(1,393.27)
002-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
003-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
005-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
020-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
031-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
045-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
051-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
055-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
061-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
062-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
080-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
500-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
510-0000-2001	Accounts Payable Pending	(3,599.51)	0.00	(3,599.51)
515-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
525-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
535-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
550-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
555-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
620-0000-2001	Accounts Payable Pending	0.00	0.00	0.00
TOTAL ACCOUNTS PAYABLE PENDING		(4,097.39)	(895.39)	(4,992.78)
DUE FROM OTHER FUNDS				
999-0000-1551	Due From General Fund	497.88	895.39	1,393.27
999-0000-1552	Due From Sales Tax Fund	0.00	0.00	0.00
999-0000-1553	Due From Franchise Fees Fund	0.00	0.00	0.00
999-0000-1554	Due From Designated Tax Fund	0.00	0.00	0.00
999-0000-1555	Due From Animal Control Donation	0.00	0.00	0.00
999-0000-1556	Due From Act 1809 of 2001 Court Auto	0.00	0.00	0.00
999-0000-1557	Due From Park 1/8 SalesTax O & M	0.00	0.00	0.00
999-0000-1558	Due From Act 833 of 1991 Fire	0.00	0.00	0.00
999-0000-1559	Due From Fire 3/8 SalesTax	0.00	0.00	0.00
999-0000-1560	Due From Act 918 of 1983 Police	0.00	0.00	0.00
999-0000-1561	Due From Act 988 of 1991 Emerg Veh	0.00	0.00	0.00
999-0000-1562	Due From Street Fund	0.00	0.00	0.00
999-0000-1563	Due From Revenue Fund - Water & WW	0.00	0.00	0.00
999-0000-1564	Due From Water Operating Fund	3,599.51	0.00	3,599.51
999-0000-1565	Due From Stormwater Utility Fund	0.00	0.00	0.00
999-0000-1566	Due From Depreciation - WW	0.00	0.00	0.00
999-0000-1567	Due From Sub-Div Impact WW	0.00	0.00	0.00
999-0000-1568	Due From Impact - Water	0.00	0.00	0.00
999-0000-1569	Due From Impact - WW	0.00	0.00	0.00
999-0000-1571	Due From Infra Fee	0.00	0.00	0.00
TOTAL DUE FROM OTHER FUNDS		4,097.39	895.39	4,992.78
ACCOUNTS PAYABLE				
999-0000-2000	Accounts Payable	(4,097.39)	(895.39)	(4,992.78)
TOTAL ACCOUNTS PAYABLE		(4,097.39)	(895.39)	(4,992.78)

AP Pending	(4,992.78)	**AP Pending**	(4,992.78)	**Due From Other Funds**	(4,992.78)
Due From Other Funds	(4,992.78)	**Accounts Payable**	(4,992.78)	**Accounts Payable**	(4,992.78)
Difference	0.00	**Difference**	0.00	**Difference**	0.00

Bryant, AR

Balance Sheet
Account Summary
As Of 06/30/2024

Category	500 - Water Fun	510 - Wastewater Fun	515 - Stormwater Utili	525 - Depreciation - WW	550 - Impact - Water	555 - Impact - WW	Total
Asset							
A01 - Cash & Equivalents	21,579.11	2,245,633.74	332,368.41	1,191,514.97	27,896.00	8,000.00	3,826,992.23
A10 - Receivables	711,448.24	0.00	0.00	0.00	0.00	0.00	711,448.24
A30 - Fixed Assets	17,621,129.72	19,197,765.96	4,210,534.12	0.00	0.00	0.00	41,029,429.80
A50 - Other Assets	71,217.20	588,150.22	0.00	0.00	0.00	0.00	659,367.42
Total Asset:	**18,425,374.27**	**22,031,549.92**	**4,542,902.53**	**1,191,514.97**	**27,896.00**	**8,000.00**	**46,227,237.69**
Liability							
L01 - Current Liabilities	799,462.56	815,180.57	0.00	0.00	0.00	0.00	1,614,643.13
L80 - Long Term Liabilities	4,940,013.97	7,273,246.53	0.00	0.00	0.00	0.00	12,213,260.50
Total Liability:	**5,739,476.53**	**8,088,427.10**	**0.00**	**0.00**	**0.00**	**0.00**	**13,827,903.63**
Equity							
Q30 - Equity	12,184,118.74	12,726,590.05	4,285,763.51	1,051,386.68	0.00	97,515.00	30,345,373.98
Total Total Beginning Equity:	**12,184,118.74**	**12,726,590.05**	**4,285,763.51**	**1,051,386.68**	**0.00**	**97,515.00**	**30,345,373.98**
Total Revenue	5,431,356.05	3,513,285.38	463,899.71	249,128.29	27,896.00	33,850.00	9,719,415.43
Total Expense	4,929,577.05	2,296,752.61	206,760.69	109,000.00	0.00	123,365.00	7,665,455.35
Revenues Over/Under Expenses	**501,779.00**	**1,216,532.77**	**257,139.02**	**140,128.29**	**27,896.00**	**-89,515.00**	**2,053,960.08**
Total Equity and Current Surplus (Deficit):	**12,685,897.74**	**13,943,122.82**	**4,542,902.53**	**1,191,514.97**	**27,896.00**	**8,000.00**	**32,399,334.06**
Total Liabilities, Equity and Current Surplus (Deficit):	**18,425,374.27**	**22,031,549.92**	**4,542,902.53**	**1,191,514.97**	**27,896.00**	**8,000.00**	**46,227,237.69**

Bryant, AR

Balance Sheet
Account Summary
As Of 06/30/2024

Category	604 - W/WW Ref Rev 2017 Bd Fr	606 - W/WW Ref Rev Bonds 2017 DSR	620 - 10/2023 Infrastrure Fee W/WW	Total
Asset				
A01 - Cash & Equivalents	92,286.47	294,069.21	458,681.84	845,037.52
Total Asset:	**92,286.47**	**294,069.21**	**458,681.84**	**845,037.52**
Equity				
Q30 - Equity	19,521.36	286,519.48	0.00	306,040.84
Total Total Beginning Equity:	**19,521.36**	**286,519.48**	**0.00**	**306,040.84**
Total Revenue	117,393.26	7,549.73	947,964.65	1,072,907.64
Total Expense	44,628.15	0.00	489,282.81	533,910.96
Revenues Over/Under Expenses	**72,765.11**	**7,549.73**	**458,681.84**	**538,996.68**
Total Equity and Current Surplus (Deficit):	**92,286.47**	**294,069.21**	**458,681.84**	**845,037.52**
Total Liabilities, Equity and Current Surplus (Deficit):	**92,286.47**	**294,069.21**	**458,681.84**	**845,037.52**

For Fiscal: 2024 Period Ending: 06/30/2024

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 188 - 2023 Improvement Fund								
Department: 0800 - Street								
Revenue								
Category: R85 - Interest Revenue								
188-0800-4850	Interest Revenue	0.00	0.00	23,468.83	155,437.74	0.00	155,437.74	0.00 %
Category: R85 - Interest Revenue Total:		**0.00**	**0.00**	**23,468.83**	**155,437.74**	**0.00**	**155,437.74**	**0.00%**
Revenue Total:		**0.00**	**0.00**	**23,468.83**	**155,437.74**	**0.00**	**155,437.74**	**0.00%**
Expense								
Category: E90 - Construction Projects								
188-0800-5900	Construction	6,675,000.00	6,675,000.00	592,047.18	1,590,809.73	0.00	5,084,190.27	76.17 %
Category: E90 - Construction Projects Total:		**6,675,000.00**	**6,675,000.00**	**592,047.18**	**1,590,809.73**	**0.00**	**5,084,190.27**	**76.17%**
Expense Total:		**6,675,000.00**	**6,675,000.00**	**592,047.18**	**1,590,809.73**	**0.00**	**5,084,190.27**	**76.17%**
Department: 0800 - Street Surplus (Deficit):		**-6,675,000.00**	**-6,675,000.00**	**-568,578.35**	**-1,435,371.99**	**0.00**	**5,239,628.01**	**78.50%**
Fund: 188 - 2023 Improvement Fund Surplus (Deficit):		**-6,675,000.00**	**-6,675,000.00**	**-568,578.35**	**-1,435,371.99**	**0.00**	**5,239,628.01**	**78.50%**
Fund: 500 - Water Fund								
Department: 0900 - Water								
Revenue								
Category: R50 - Sale of Services								
500-0900-4504	CAW Pass thru Fees	112,500.00	220,000.00	-803.15	-134.80	0.00	-220,134.80	100.06 %
500-0900-4532	One Time Charge	38,500.00	0.00	0.00	-35.00	0.00	-35.00	0.00 %
500-0900-4536	Penalties	184,000.00	184,000.00	27,921.75	185,823.30	0.00	1,823.30	100.99 %
500-0900-4537	Insufficient Check Fee	2,000.00	2,000.00	525.00	2,450.00	0.00	450.00	122.50 %
500-0900-4540	Sales - CAW System Devel	6,529.00	6,529.00	-375.00	-1,275.50	0.00	-7,804.50	119.54 %
500-0900-4542	Sales - FSDWA	39,600.00	39,600.00	3,497.74	20,740.61	0.00	-18,859.39	47.62 %
500-0900-4544	W was Misc now One Time Charges	98,737.00	137,237.00	1,056.25	4,128.75	0.00	-133,108.25	96.99 %
500-0900-4548	Sales - Pump Maintenance	32,000.00	32,000.00	1,839.40	11,062.80	0.00	-20,937.20	65.43 %
500-0900-4550	Sales - Service Charges	27,500.00	27,500.00	6,755.14	38,800.61	0.00	11,300.61	141.09 %
500-0900-4554	Sales - Water	4,323,000.00	4,323,000.00	303,238.45	1,771,637.50	0.00	-2,551,362.50	59.02 %
500-0900-4556	Sales - Water Connections	17,000.00	17,000.00	3,000.00	14,296.00	0.00	-2,704.00	15.91 %
500-0900-4561	Sales Tax Revenue	350,000.00	350,000.00	30,005.81	176,097.38	0.00	-173,902.62	49.69 %
500-0900-4566	Woodland Hills Watershed	4,356.00	4,356.00	877.80	4,054.80	0.00	-301.20	6.91 %
Category: R50 - Sale of Services Total:		**5,235,722.00**	**5,343,222.00**	**377,539.19**	**2,227,646.45**	**0.00**	**-3,115,575.55**	**58.31%**
Category: R60 - Miscellaneous Revenue								
500-0900-4600	Miscellaneous Revenue	1,500.00	2,325.35	0.00	14,566.79	0.00	12,241.44	626.43 %
Category: R60 - Miscellaneous Revenue Total:		**1,500.00**	**2,325.35**	**0.00**	**14,566.79**	**0.00**	**12,241.44**	**526.43%**
Category: R62 - Intergovernmental Tsfrs								
500-0900-4623	Xfer from Other	0.00	0.00	0.00	214,271.39	0.00	214,271.39	0.00 %
Category: R62 - Intergovernmental Tsfrs Total:		**0.00**	**0.00**	**0.00**	**214,271.39**	**0.00**	**214,271.39**	**0.00%**

Budget Report

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
Category: R64 - Reimbursement								
500-0900-4640	Reimbursement Revenue	100,000.00	100,000.00	0.00	0.00	0.00	-100,000.00	100.00 %
	Category: R64 - Reimbursement Total:	**100,000.00**	**100,000.00**	**0.00**	**0.00**	**0.00**	**-100,000.00**	**100.00%**
	Revenue Total:	**5,337,222.00**	**5,445,547.35**	**377,539.19**	**2,456,484.63**	**0.00**	**-2,989,062.72**	**54.89%**
Expense								
Category: E01 - Personnel Expense								
500-0900-5000	Salary Expense	808,727.37	813,527.37	61,127.12	393,444.09	0.00	420,083.28	51.64 %
500-0900-5005	SWB Reimbursement	156,392.00	156,392.00	13,032.67	78,196.02	0.00	78,195.98	50.00 %
500-0900-5010	Overtime Expense	28,825.00	28,825.00	1,378.90	6,177.92	0.00	22,647.08	78.57 %
500-0900-5020	FICA Expense	65,013.71	65,013.71	4,699.39	30,041.84	0.00	34,971.87	53.79 %
500-0900-5022	Unemployment Expense	1,080.00	1,080.00	6.29	285.95	0.00	794.05	73.52 %
500-0900-5025	Worker's Comp Expense	30,094.00	30,094.00	0.00	13,373.00	0.00	16,721.00	55.56 %
500-0900-5030	APERS Expense	128,404.94	128,404.94	9,368.38	60,200.98	0.00	68,203.96	53.12 %
500-0900-5040	Health Insurance Expense	130,425.36	130,425.36	8,934.06	57,734.02	0.00	72,691.34	55.73 %
500-0900-5050	Physical & Drug Screen Exp	1,800.00	1,800.00	0.00	367.45	34.20	1,398.35	77.69 %
500-0900-5054	Bring Your Own Device - Phone	600.00	600.00	75.00	450.00	0.00	150.00	25.00 %
500-0900-5055	Uniform Expense	9,809.38	9,809.38	1,349.84	7,214.90	0.00	2,594.48	26.45 %
500-0900-5060	Travel & Training Expense	9,000.00	9,000.00	786.04	7,593.16	0.00	1,406.84	15.63 %
	Category: E01 - Personnel Expense Total:	**1,370,171.76**	**1,374,971.76**	**100,757.69**	**655,079.33**	**34.20**	**719,858.23**	**52.35%**
Category: E10 - Building & Grounds Exp								
500-0900-5102	Repairs & Maint - Building	6,222.66	6,222.66	149.60	6,168.45	416.09	-361.88	-5.82 %
500-0900-5104	Repairs & Maint - Grounds	3,500.00	3,500.00	0.00	47.58	0.00	3,452.42	98.64 %
500-0900-5110	Utilities - Electric	44,000.00	44,000.00	3,519.64	24,098.00	0.00	19,902.00	45.23 %
500-0900-5111	Utilities - Gas	2,500.00	2,500.00	19.95	1,379.29	0.00	1,120.71	44.83 %
500-0900-5112	Utilities - Water	500.00	500.00	25.44	161.44	0.00	338.56	67.71 %
500-0900-5115	Com Exp - Tel Landline.Interne	8,748.00	8,748.00	683.34	4,154.50	0.00	4,593.50	52.51 %
500-0900-5116	Communication Exp - Cellular	10,560.00	10,560.00	1,413.24	7,907.49	0.00	2,652.51	25.12 %
500-0900-5120	Insurance - Property	18,100.00	18,100.00	0.00	0.00	0.00	18,100.00	100.00 %
500-0900-5130	Sanitation	3,500.00	3,500.00	128.19	1,236.91	1,831.15	431.94	12.34 %
500-0900-5142	Janitorial Supplies and Main	1,500.00	1,500.00	0.00	631.84	0.00	868.16	57.88 %
500-0900-5145	Tools	15,000.00	15,000.00	1,385.38	2,737.79	0.00	12,262.21	81.75 %
	Category: E10 - Building & Grounds Exp Total:	**114,130.66**	**114,130.66**	**7,324.78**	**48,523.29**	**2,247.24**	**63,360.13**	**55.52%**
Category: E20 - Vehicle Expense								
500-0900-5200	Fuel Expense	58,500.00	58,500.00	4,137.95	22,376.91	0.00	36,123.09	61.75 %
500-0900-5210	Service & Repair - Vehicle	35,000.00	35,000.00	6,768.27	24,646.96	0.00	10,353.04	29.58 %
500-0900-5218	Tire Expense	10,000.00	10,000.00	0.00	6,483.73	0.00	3,516.27	35.16 %
500-0900-5225	Insurance Expense - Vehicle	8,000.00	8,000.00	0.00	7,961.52	0.00	38.48	0.48 %
	Category: E20 - Vehicle Expense Total:	**111,500.00**	**111,500.00**	**10,906.22**	**61,469.12**	**0.00**	**50,030.88**	**44.87%**
Category: E30 - Supply Expense								
500-0900-5300	Supplies - Office	4,200.00	4,200.00	158.52	3,292.34	0.00	907.66	21.61 %

For Fiscal: 2024 Period Ending: 06/30/2024

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
500-0900-5322	Supplies - Operating	145,000.00	145,825.35	10,406.64	53,462.97	8,078.22	84,284.16	57.80 %
500-0900-5350	Postage Expense	2,000.00	2,000.00	63.82	485.60	0.00	1,514.40	75.72 %
500-0900-5360	Cost of Water from CAW	1,560,000.00	1,452,500.00	117,492.81	666,189.76	0.00	786,310.24	54.13 %
	Category: E30 - Supply Expense Total:	**1,711,200.00**	**1,604,525.35**	**128,121.79**	**723,430.67**	**8,078.22**	**873,016.46**	**54.41%**
Category: E40 - Operations Expense								
500-0900-5475	Credit Card Fees	100,000.00	100,000.00	5,651.29	34,089.19	0.00	65,910.81	65.91 %
500-0900-5480	Dues & Subscriptions	40,000.00	40,000.00	2,178.75	12,986.97	1,200.00	25,813.03	64.53 %
500-0900-5515	Elections or Permit Fee Exp	0.00	40,000.00	0.00	39,513.60	0.00	486.40	1.22 %
500-0900-5530	Safety Program	1,500.00	1,500.00	0.00	305.69	0.00	1,194.31	79.62 %
500-0900-5535	Sales Tax Expense	350,000.00	350,000.00	30,493.00	171,364.00	0.00	178,636.00	51.04 %
	Category: E40 - Operations Expense Total:	**491,500.00**	**531,500.00**	**38,323.04**	**258,259.45**	**1,200.00**	**272,040.55**	**51.18%**
Category: E55 - Professional Services								
500-0900-5550	Prof Services - Acctg & Audit	7,400.00	7,400.00	0.00	0.00	0.00	7,400.00	100.00 %
500-0900-5553	Prof Services - Advertising	1,000.00	1,000.00	726.91	1,003.89	0.00	-3.89	-0.39 %
500-0900-5571	Prof Services - Engineering	315,000.00	315,000.00	0.00	717.50	9,282.50	305,000.00	96.83 %
500-0900-5586	Prof Services - Other	75,400.00	80,550.00	6,998.39	42,270.34	39,047.50	-767.84	-0.95 %
500-0900-5589	Prof Services - Printing	500.00	500.00	0.00	0.00	0.00	500.00	100.00 %
	Category: E55 - Professional Services Total:	**399,300.00**	**404,450.00**	**7,725.30**	**43,991.73**	**48,330.00**	**312,128.27**	**77.17%**
Category: E60 - Miscellaneous Expense								
500-0900-5600	Miscellaneous Expense	0.00	0.00	0.00	-1,259.96	0.00	1,259.96	0.00 %
500-0900-5604	Hardware - New & Renewals	7,000.00	7,000.00	0.00	0.00	0.00	7,000.00	100.00 %
500-0900-5608	Software - New & Renewals	56,000.00	56,000.00	194.28	2,487.00	337.86	53,175.14	94.96 %
500-0900-5614	Copiers & Maintenance	1,500.00	1,500.00	106.16	867.70	0.00	632.30	42.15 %
	Category: E60 - Miscellaneous Expense Total:	**64,500.00**	**64,500.00**	**300.44**	**2,094.74**	**337.86**	**62,067.40**	**96.23%**
Category: E62 - Intergovernmental Tsfr								
500-0900-5626	Xfer to Other	216,150.00	216,150.00	17,027.68	100,384.70	0.00	115,765.30	53.56 %
	Category: E62 - Intergovernmental Tsfr Total:	**216,150.00**	**216,150.00**	**17,027.68**	**100,384.70**	**0.00**	**115,765.30**	**53.56%**
Category: E72 - Bond Expense								
500-0900-5724	Bond Fees	43,002.00	43,002.00	3,143.74	19,420.32	0.00	23,581.68	54.84 %
	Category: E72 - Bond Expense Total:	**43,002.00**	**43,002.00**	**3,143.74**	**19,420.32**	**0.00**	**23,581.68**	**54.84%**
Category: E80 - Fixed Assets								
500-0900-5808	Capital Assets - Vehicles	0.00	-11,952.00	0.00	0.00	0.00	-11,952.00	100.00 %
500-0900-5816	Capital Assets - Infrastructure	220,000.00	369,074.40	-24,427.00	6,048.00	206,871.00	156,155.40	42.31 %
500-0900-5824	Depreciation Expense	500,000.00	500,000.00	0.00	0.00	0.00	500,000.00	100.00 %
	Category: E80 - Fixed Assets Total:	**720,000.00**	**857,122.40**	**-24,427.00**	**6,048.00**	**206,871.00**	**644,203.40**	**75.16%**
Category: E85 - Interest Expense								
500-0900-5850	Interest Expense	75,347.00	75,347.00	5,930.98	36,004.28	0.00	39,342.72	52.22 %
	Category: E85 - Interest Expense Total:	**75,347.00**	**75,347.00**	**5,930.98**	**36,004.28**	**0.00**	**39,342.72**	**52.22%**
	Expense Total:	**5,316,801.42**	**5,397,199.17**	**295,134.66**	**1,954,705.63**	**267,098.52**	**3,175,395.02**	**58.83%**

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
	Department: 0900 - Water Surplus (Deficit):	**20,420.58**	**48,348.18**	**82,404.53**	**501,779.00**	**-267,098.52**	**186,332.30**	**-385.40%**
Department: 0950 - Wastewater								
Revenue								
Category: R50 - Sale of Services								
500-0950-4552	Sales - Wastewater	5,500,000.00	5,500,000.00	477,179.74	2,966,171.42	0.00	-2,533,828.58	46.07 %
500-0950-4558	Sales - WW Connections	0.00	0.00	2,400.00	8,700.00	0.00	8,700.00	0.00 %
	Category: R50 - Sale of Services Total:	**5,500,000.00**	**5,500,000.00**	**479,579.74**	**2,974,871.42**	**0.00**	**-2,525,128.58**	**45.91%**
Category: R60 - Miscellaneous Revenue								
500-0950-4631	Xfer Wastewater Impact	50,000.00	50,000.00	0.00	0.00	0.00	-50,000.00	100.00 %
	Category: R60 - Miscellaneous Revenue Total:	**50,000.00**	**50,000.00**	**0.00**	**0.00**	**0.00**	**-50,000.00**	**100.00%**
	Revenue Total:	**5,550,000.00**	**5,550,000.00**	**479,579.74**	**2,974,871.42**	**0.00**	**-2,575,128.58**	**46.40%**
Expense								
Category: E62 - Intergovernmental Tsfr								
500-0950-5624	Xfer to Water	5,500,000.00	5,500,000.00	479,579.74	2,974,871.42	0.00	2,525,128.58	45.91 %
500-0950-5631	Xfer to Wastewater Impact	50,000.00	50,000.00	0.00	0.00	0.00	50,000.00	100.00 %
	Category: E62 - Intergovernmental Tsfr Total:	**5,550,000.00**	**5,550,000.00**	**479,579.74**	**2,974,871.42**	**0.00**	**2,575,128.58**	**46.40%**
	Expense Total:	**5,550,000.00**	**5,550,000.00**	**479,579.74**	**2,974,871.42**	**0.00**	**2,575,128.58**	**46.40%**
	Department: 0950 - Wastewater Surplus (Deficit):	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00%**
	Fund: 500 - Water Fund Surplus (Deficit):	**20,420.58**	**48,348.18**	**82,404.53**	**501,779.00**	**-267,098.52**	**186,332.30**	**-385.40%**
Fund: 510 - Wastewater Fund								
Department: 0950 - Wastewater								
Revenue								
Category: R60 - Miscellaneous Revenue								
510-0950-4600	Miscellaneous Revenue	0.00	3,675.00	0.00	31,037.54	0.00	27,362.54	844.56 %
	Category: R60 - Miscellaneous Revenue Total:	**0.00**	**3,675.00**	**0.00**	**31,037.54**	**0.00**	**27,362.54**	**744.56%**
Category: R62 - Intergovernmental Tsfrs								
510-0950-4623	Xfer from Other Fund	0.00	0.00	0.00	507,376.42	0.00	507,376.42	0.00 %
510-0950-4625	Xfer from Sewer Sales	5,500,000.00	5,500,000.00	479,579.74	2,974,871.42	0.00	-2,525,128.58	45.91 %
	Category: R62 - Intergovernmental Tsfrs Total:	**5,500,000.00**	**5,500,000.00**	**479,579.74**	**3,482,247.84**	**0.00**	**-2,017,752.16**	**36.69%**
Category: R64 - Reimbursement								
510-0950-4640	Reimbursement Revenue	100,000.00	100,000.00	0.00	0.00	0.00	-100,000.00	100.00 %
	Category: R64 - Reimbursement Total:	**100,000.00**	**100,000.00**	**0.00**	**0.00**	**0.00**	**-100,000.00**	**100.00%**
	Revenue Total:	**5,600,000.00**	**5,603,675.00**	**479,579.74**	**3,513,285.38**	**0.00**	**-2,090,389.62**	**37.30%**
Expense								
Category: E01 - Personnel Expense								
510-0950-5000	Salary Expense	1,244,692.42	1,249,492.42	87,672.85	540,073.22	0.00	709,419.20	56.78 %
510-0950-5005	SWB Reimbursement	156,392.00	156,392.00	13,032.67	78,196.02	0.00	78,195.98	50.00 %
510-0950-5010	Overtime Expense	100,000.00	100,000.00	7,047.70	42,796.30	0.00	57,203.70	57.20 %

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
510-0950-5020	FICA Expense	102,868.97	102,868.97	7,059.87	43,479.04	0.00	59,389.93	57.73 %
510-0950-5022	Unemployment Expense	1,260.00	1,260.00	9.18	339.41	0.00	920.59	73.06 %
510-0950-5025	Worker's Comp Expense	24,000.00	24,000.00	0.00	21,787.00	0.00	2,213.00	9.22 %
510-0950-5030	APERS Expense	206,006.88	206,006.88	14,510.29	89,236.81	0.00	116,770.07	56.68 %
510-0950-5040	Health Insurance Expense	260,811.12	260,811.12	18,706.80	111,300.72	0.00	149,510.40	57.33 %
510-0950-5050	Physical & Drug Screen Exp	1,800.00	1,800.00	0.00	0.00	245.20	1,554.80	86.38 %
510-0950-5055	Uniform Expense	18,000.00	18,000.00	1,827.99	5,888.87	0.00	12,111.13	67.28 %
510-0950-5060	Travel & Training Expense	10,000.00	10,000.00	518.80	7,010.10	0.00	2,989.90	29.90 %
	Category: E01 - Personnel Expense Total:	**2,125,831.39**	**2,130,631.39**	**150,386.15**	**940,107.49**	**245.20**	**1,190,278.70**	**55.87%**
Category: E10 - Building & Grounds Exp								
510-0950-5102	Repairs & Maint - Building	15,000.00	15,000.00	0.00	6,756.10	201.27	8,042.63	53.62 %
510-0950-5110	Utilities - Electric	443,500.00	447,175.00	32,198.66	197,333.03	0.00	249,841.97	55.87 %
510-0950-5111	Utilities - Gas	2,868.00	2,868.00	313.83	1,719.81	0.00	1,148.19	40.03 %
510-0950-5112	Utilities - Water	114,276.00	114,276.00	8,388.96	57,913.29	0.00	56,362.71	49.32 %
510-0950-5115	Com Exp - Tel Landline.Interne	8,664.00	8,664.00	683.34	4,154.48	0.00	4,509.52	52.05 %
510-0950-5116	Communication Exp - Cellular	9,360.00	9,360.00	942.83	6,743.73	0.00	2,616.27	27.95 %
510-0950-5120	Insurance - Property	25,500.00	25,500.00	0.00	0.00	0.00	25,500.00	100.00 %
510-0950-5130	Sanitation	110,000.00	110,000.00	5,084.45	42,195.71	1,831.08	65,973.21	59.98 %
510-0950-5140	Supplies - B&G	1,500.00	1,500.00	149.60	2,708.41	50.00	-1,258.41	-83.89 %
510-0950-5142	Janitorial Supplies and Main	1,500.00	1,500.00	0.00	85.73	0.00	1,414.27	94.28 %
510-0950-5145	Tools	15,000.00	15,000.00	717.47	3,475.39	0.00	11,524.61	76.83 %
	Category: E10 - Building & Grounds Exp Total:	**747,168.00**	**750,843.00**	**48,479.14**	**323,085.68**	**2,082.35**	**425,674.97**	**56.69%**
Category: E20 - Vehicle Expense								
510-0950-5200	Fuel Expense	75,000.00	75,000.00	6,307.82	31,692.43	0.00	43,307.57	57.74 %
510-0950-5210	Service & Repair - Vehicle	100,000.00	100,000.00	2,318.67	55,225.30	0.00	44,774.70	44.77 %
510-0950-5218	Tire Expense	15,000.00	15,000.00	0.00	5,030.43	0.00	9,969.57	66.46 %
510-0950-5225	Insurance Expense - Vehicle	16,520.07	16,520.07	0.00	17,587.18	0.00	-1,067.11	-6.46 %
510-0950-5240	Equipment Rental	15,000.00	15,000.00	10,491.15	13,103.18	0.00	1,896.82	12.65 %
	Category: E20 - Vehicle Expense Total:	**221,520.07**	**221,520.07**	**19,117.64**	**122,638.52**	**0.00**	**98,881.55**	**44.64%**
Category: E30 - Supply Expense								
510-0950-5300	Supplies - Office	5,000.00	5,000.00	8.75	1,225.95	0.00	3,774.05	75.48 %
510-0950-5322	Supplies - Operating	320,000.00	321,779.98	10,810.14	95,634.15	4,792.71	221,353.12	68.79 %
510-0950-5324	Supplies - Chemicals	300,000.00	300,000.00	25,601.70	182,748.58	6,895.91	110,355.51	36.79 %
510-0950-5326	Supplies - Lab	60,000.00	60,000.00	2,616.60	17,208.57	1,965.00	40,826.43	68.04 %
510-0950-5350	Postage Expense	2,000.00	2,000.00	63.81	485.58	0.00	1,514.42	75.72 %
	Category: E30 - Supply Expense Total:	**687,000.00**	**688,779.98**	**39,101.00**	**297,302.83**	**13,653.62**	**377,823.53**	**54.85%**
Category: E40 - Operations Expense								
510-0950-5475	Credit Card Fees	60,000.00	60,000.00	5,651.29	33,924.96	0.00	26,075.04	43.46 %
510-0950-5480	Dues & Subscriptions	15,000.00	15,000.00	142.80	9,044.23	0.00	5,955.77	39.71 %
510-0950-5530	Safety Program	4,000.00	4,000.00	0.00	0.00	0.00	4,000.00	100.00 %

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
510-0950-5542	Service & Repair - I & I	0.00	0.00	0.00	968.54	0.00	-968.54	0.00 %
	Category: E40 - Operations Expense Total:	**79,000.00**	**79,000.00**	**5,794.09**	**43,937.73**	**0.00**	**35,062.27**	**44.38%**
Category: E55 - Professional Services								
510-0950-5550	Prof Services - Acctg & Audit	7,400.00	7,400.00	0.00	0.00	0.00	7,400.00	100.00 %
510-0950-5553	Prof Services - Advertising	2,000.00	2,000.00	726.91	1,003.96	0.00	996.04	49.80 %
510-0950-5586	Prof Services - Other	170,400.00	180,357.30	3,998.40	102,818.98	100,808.46	-23,270.14	-12.90 %
510-0950-5589	Prof Services - Printing	2,500.00	2,500.00	0.00	0.00	0.00	2,500.00	100.00 %
	Category: E55 - Professional Services Total:	**182,300.00**	**192,257.30**	**4,725.31**	**103,822.94**	**100,808.46**	**-12,374.10**	**-6.44%**
Category: E60 - Miscellaneous Expense								
510-0950-5604	Hardware - New & Renewals	8,000.00	8,000.00	0.00	250.49	0.00	7,749.51	96.87 %
510-0950-5608	Software - New & Renewals	70,240.00	70,240.00	0.00	2,292.73	35,337.88	32,609.39	46.43 %
510-0950-5614	Copiers & Maintenance	500.00	500.00	106.16	867.70	0.00	-367.70	-73.54 %
	Category: E60 - Miscellaneous Expense Total:	**78,740.00**	**78,740.00**	**106.16**	**3,410.92**	**35,337.88**	**39,991.20**	**50.79%**
Category: E62 - Intergovernmental Tsfr								
510-0950-5626	Xfer to Other	275,000.00	275,000.00	23,978.99	148,743.59	0.00	126,256.41	45.91 %
	Category: E62 - Intergovernmental Tsfr Total:	**275,000.00**	**275,000.00**	**23,978.99**	**148,743.59**	**0.00**	**126,256.41**	**45.91%**
Category: E72 - Bond Expense								
510-0950-5722	Bond Principal Payment	1.00	1.00	0.00	0.00	0.00	1.00	100.00 %
510-0950-5724	Bond Fees	66,999.96	66,999.96	4,256.61	26,260.90	0.00	40,739.06	60.80 %
	Category: E72 - Bond Expense Total:	**67,000.96**	**67,000.96**	**4,256.61**	**26,260.90**	**0.00**	**40,740.06**	**60.81%**
Category: E80 - Fixed Assets								
510-0950-5808	Capital Assets - Vehicles	0.00	84,568.60	179,548.00	179,548.00	65,132.00	-160,111.40	-189.33 %
510-0950-5810	Capital Assets - Equipment	0.00	51,821.00	0.00	0.00	51,995.00	-174.00	-0.34 %
510-0950-5816	Capital Assets - Infrastructure	250,000.00	679,071.69	-42,901.93	28,694.73	546,926.07	103,450.89	15.23 %
510-0950-5824	Depreciation Expense	500,000.00	500,000.00	0.00	27,660.55	0.00	472,339.45	94.47 %
	Category: E80 - Fixed Assets Total:	**750,000.00**	**1,315,461.29**	**136,646.07**	**235,903.28**	**664,053.07**	**415,504.94**	**31.59%**
Category: E85 - Interest Expense								
510-0950-5850	Interest Expense	95,000.00	95,000.00	6,765.64	51,538.73	15,939.28	27,521.99	28.97 %
	Category: E85 - Interest Expense Total:	**95,000.00**	**95,000.00**	**6,765.64**	**51,538.73**	**15,939.28**	**27,521.99**	**28.97%**
	Expense Total:	**5,308,560.42**	**5,894,233.99**	**439,356.80**	**2,296,752.61**	**832,119.86**	**2,765,361.52**	**46.92%**
	Department: 0950 - Wastewater Surplus (Deficit):	**291,439.58**	**-290,558.99**	**40,222.94**	**1,216,532.77**	**-832,119.86**	**674,971.90**	**232.30%**
	Fund: 510 - Wastewater Fund Surplus (Deficit):	**291,439.58**	**-290,558.99**	**40,222.94**	**1,216,532.77**	**-832,119.86**	**674,971.90**	**232.30%**
Fund: 515 - Stormwater Utility Fund								
Department: 0140 - Stormwater								
Revenue								
Category: R20 - Licenses Permits & Fees								
515-0140-4567	Stormwater Rev Fees	20,000.00	20,000.00	1,650.00	10,600.00	0.00	-9,400.00	47.00 %
	Category: R20 - Licenses Permits & Fees Total:	**20,000.00**	**20,000.00**	**1,650.00**	**10,600.00**	**0.00**	**-9,400.00**	**47.00%**

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
Category: R50 - Sale of Services								
515-0140-4568	Stormwater Rev - Residential	244,000.00	244,000.00	21,710.00	129,618.48	0.00	-114,381.52	46.88 %
515-0140-4569	Stormwater Rev - Business	44,000.00	44,000.00	3,942.00	23,681.23	0.00	-20,318.77	46.18 %
	Category: R50 - Sale of Services Total:	**288,000.00**	**288,000.00**	**25,652.00**	**153,299.71**	**0.00**	**-134,700.29**	**46.77%**
Category: R62 - Intergovernmental Tsfrs								
515-0140-4623	Xfer from Other Fund	342,000.00	342,000.00	0.00	0.00	0.00	-342,000.00	100.00 %
	Category: R62 - Intergovernmental Tsfrs Total:	**342,000.00**	**342,000.00**	**0.00**	**0.00**	**0.00**	**-342,000.00**	**100.00%**
Category: R64 - Reimbursement								
515-0140-4640	Reimbursement Revenue	0.00	0.00	300,000.00	300,000.00	0.00	300,000.00	0.00 %
	Category: R64 - Reimbursement Total:	**0.00**	**0.00**	**300,000.00**	**300,000.00**	**0.00**	**300,000.00**	**0.00%**
	Revenue Total:	**650,000.00**	**650,000.00**	**327,302.00**	**463,899.71**	**0.00**	**-186,100.29**	**28.63%**
Expense								
Category: E80 - Fixed Assets								
515-0140-5816	Capital Assets - Infrastructure	650,000.00	788,695.79	-37,866.40	206,760.69	194,286.35	387,648.75	49.15 %
	Category: E80 - Fixed Assets Total:	**650,000.00**	**788,695.79**	**-37,866.40**	**206,760.69**	**194,286.35**	**387,648.75**	**49.15%**
	Expense Total:	**650,000.00**	**788,695.79**	**-37,866.40**	**206,760.69**	**194,286.35**	**387,648.75**	**49.15%**
	Department: 0140 - Stormwater Surplus (Deficit):	**0.00**	**-138,695.79**	**365,168.40**	**257,139.02**	**-194,286.35**	**201,548.46**	**145.32%**
	Fund: 515 - Stormwater Utility Fund Surplus (Deficit):	**0.00**	**-138,695.79**	**365,168.40**	**257,139.02**	**-194,286.35**	**201,548.46**	**145.32%**
Fund: 525 - Depreciation - WW								
Department: 0900 - Water								
Expense								
Category: E62 - Intergovernmental Tsfr								
525-0900-5626	Xfer to Water	0.00	0.00	0.00	109,000.00	0.00	-109,000.00	0.00 %
	Category: E62 - Intergovernmental Tsfr Total:	**0.00**	**0.00**	**0.00**	**109,000.00**	**0.00**	**-109,000.00**	**0.00%**
	Expense Total:	**0.00**	**0.00**	**0.00**	**109,000.00**	**0.00**	**-109,000.00**	**0.00%**
	Department: 0900 - Water Total:	**0.00**	**0.00**	**0.00**	**109,000.00**	**0.00**	**-109,000.00**	**0.00%**
Department: 0950 - Wastewater								
Revenue								
Category: R62 - Intergovernmental Tsfrs								
525-0950-4625	Xfer from Water	491,150.00	491,150.00	41,006.67	249,128.29	0.00	-242,021.71	49.28 %
	Category: R62 - Intergovernmental Tsfrs Total:	**491,150.00**	**491,150.00**	**41,006.67**	**249,128.29**	**0.00**	**-242,021.71**	**49.28%**
	Revenue Total:	**491,150.00**	**491,150.00**	**41,006.67**	**249,128.29**	**0.00**	**-242,021.71**	**49.28%**
	Department: 0950 - Wastewater Total:	**491,150.00**	**491,150.00**	**41,006.67**	**249,128.29**	**0.00**	**-242,021.71**	**49.28%**
	Fund: 525 - Depreciation - WW Surplus (Deficit):	**491,150.00**	**491,150.00**	**41,006.67**	**140,128.29**	**0.00**	**-351,021.71**	**71.47%**

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 550 - Impact - Water								
Department: 0900 - Water								
Revenue								
Category: R20 - Licenses Permits & Fees								
550-0900-4259	Impact Fees	35,000.00	35,000.00	3,600.00	27,896.00	0.00	-7,104.00	20.30 %
	Category: R20 - Licenses Permits & Fees Total:	**35,000.00**	**35,000.00**	**3,600.00**	**27,896.00**	**0.00**	**-7,104.00**	**20.30%**
	Revenue Total:	**35,000.00**	**35,000.00**	**3,600.00**	**27,896.00**	**0.00**	**-7,104.00**	**20.30%**
	Department: 0900 - Water Total:	**35,000.00**	**35,000.00**	**3,600.00**	**27,896.00**	**0.00**	**-7,104.00**	**20.30%**
	Fund: 550 - Impact - Water Total:	**35,000.00**	**35,000.00**	**3,600.00**	**27,896.00**	**0.00**	**-7,104.00**	**20.30%**
Fund: 555 - Impact - WW								
Department: 0950 - Wastewater								
Revenue								
Category: R20 - Licenses Permits & Fees								
555-0950-4259	Impact Fees	50,000.00	50,000.00	8,000.00	33,850.00	0.00	-16,150.00	32.30 %
	Category: R20 - Licenses Permits & Fees Total:	**50,000.00**	**50,000.00**	**8,000.00**	**33,850.00**	**0.00**	**-16,150.00**	**32.30%**
	Revenue Total:	**50,000.00**	**50,000.00**	**8,000.00**	**33,850.00**	**0.00**	**-16,150.00**	**32.30%**
Expense								
Category: E62 - Intergovernmental Tsfr								
555-0950-5626	Xfer to Other Fund	0.00	0.00	0.00	123,365.00	0.00	-123,365.00	0.00 %
	Category: E62 - Intergovernmental Tsfr Total:	**0.00**	**0.00**	**0.00**	**123,365.00**	**0.00**	**-123,365.00**	**0.00%**
	Expense Total:	**0.00**	**0.00**	**0.00**	**123,365.00**	**0.00**	**-123,365.00**	**0.00%**
	Department: 0950 - Wastewater Surplus (Deficit):	**50,000.00**	**50,000.00**	**8,000.00**	**-89,515.00**	**0.00**	**-139,515.00**	**279.03%**
	Fund: 555 - Impact - WW Surplus (Deficit):	**50,000.00**	**50,000.00**	**8,000.00**	**-89,515.00**	**0.00**	**-139,515.00**	**279.03%**
Fund: 604 - W/WW Ref Rev 2017 Bd Fr								
Department: 0000 - Administration								
Revenue								
Category: R62 - Intergovernmental Tsfrs								
604-0000-4623	Xfer from Other Fund	50,000.00	50,000.00	19,521.36	117,128.16	0.00	67,128.16	234.26 %
	Category: R62 - Intergovernmental Tsfrs Total:	**50,000.00**	**50,000.00**	**19,521.36**	**117,128.16**	**0.00**	**67,128.16**	**134.26%**
Category: R85 - Interest Revenue								
604-0000-4850	Interest Revenue	2,000.00	2,000.00	75.24	265.10	0.00	-1,734.90	86.75 %
	Category: R85 - Interest Revenue Total:	**2,000.00**	**2,000.00**	**75.24**	**265.10**	**0.00**	**-1,734.90**	**86.75%**
	Revenue Total:	**52,000.00**	**52,000.00**	**19,596.60**	**117,393.26**	**0.00**	**65,393.26**	**125.76%**
Expense								
Category: E62 - Intergovernmental Tsfr								
604-0000-5626	Xfer to Other	50,000.00	50,000.00	43,628.13	43,628.13	0.00	6,371.87	12.74 %
	Category: E62 - Intergovernmental Tsfr Total:	**50,000.00**	**50,000.00**	**43,628.13**	**43,628.13**	**0.00**	**6,371.87**	**12.74%**

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
Category: E72 - Bond Expense								
604-0000-5724	Bond Fees	2,000.00	2,000.00	166.67	1,000.02	0.00	999.98	50.00 %
	Category: E72 - Bond Expense Total:	2,000.00	2,000.00	166.67	1,000.02	0.00	999.98	50.00%
	Expense Total:	52,000.00	52,000.00	43,794.80	44,628.15	0.00	7,371.85	14.18%
	Department: 0000 - Administration Surplus (Deficit):	0.00	0.00	-24,198.20	72,765.11	0.00	72,765.11	0.00%
	Fund: 604 - W/WW Ref Rev 2017 Bd Fr Surplus (Deficit):	0.00	0.00	-24,198.20	72,765.11	0.00	72,765.11	0.00%
Fund: 606 - W/WW Ref Rev Bonds 2017 DSR								
Department: 0000 - Administration								
Revenue								
Category: R85 - Interest Revenue								
606-0000-4850	Interest Revenue	0.00	0.00	1,290.48	7,549.73	0.00	7,549.73	0.00 %
	Category: R85 - Interest Revenue Total:	0.00	0.00	1,290.48	7,549.73	0.00	7,549.73	0.00%
	Revenue Total:	0.00	0.00	1,290.48	7,549.73	0.00	7,549.73	0.00%
	Department: 0000 - Administration Total:	0.00	0.00	1,290.48	7,549.73	0.00	7,549.73	0.00%
	Fund: 606 - W/WW Ref Rev Bonds 2017 DSR Total:	0.00	0.00	1,290.48	7,549.73	0.00	7,549.73	0.00%
Fund: 620 - 10/2023 Infrastrure Fee W/WW								
Department: 0900 - Water								
Expense								
Category: E62 - Intergovernmental Tsfr								
620-0900-5626	Xfer to Water	1,884,000.00	1,884,000.00	0.00	489,282.81	0.00	1,394,717.19	74.03 %
	Category: E62 - Intergovernmental Tsfr Total:	1,884,000.00	1,884,000.00	0.00	489,282.81	0.00	1,394,717.19	74.03%
	Expense Total:	1,884,000.00	1,884,000.00	0.00	489,282.81	0.00	1,394,717.19	74.03%
	Department: 0900 - Water Total:	1,884,000.00	1,884,000.00	0.00	489,282.81	0.00	1,394,717.19	74.03%
Department: 0950 - Wastewater								
Revenue								
Category: R50 - Sale of Services								
620-0950-4546	Infrastructure Fee	1,884,000.00	1,884,000.00	158,691.90	947,964.65	0.00	-936,035.35	49.68 %
	Category: R50 - Sale of Services Total:	1,884,000.00	1,884,000.00	158,691.90	947,964.65	0.00	-936,035.35	49.68%
	Revenue Total:	1,884,000.00	1,884,000.00	158,691.90	947,964.65	0.00	-936,035.35	49.68%
	Department: 0950 - Wastewater Total:	1,884,000.00	1,884,000.00	158,691.90	947,964.65	0.00	-936,035.35	49.68%
	Fund: 620 - 10/2023 Infrastrure Fee W/WW Surplus (Deficit):	0.00	0.00	158,691.90	458,681.84	0.00	458,681.84	0.00%
	Report Surplus (Deficit):	-8,176,496.58	-8,596,722.21	253,723.00	3,635,708.60	-2,857,571.14	9,374,859.67	109.05%

Category	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
R60 - Miscellaneous Revenue	1,500.00	2,325.35	0.00	14,566.79	0.00	12,241.44	-526.43%
R62 - Intergovernmental Tsfrs	0.00	0.00	0.00	214,271.39	0.00	214,271.39	0.00%
R64 - Reimbursement	100,000.00	100,000.00	0.00	0.00	0.00	-100,000.00	100.00%
Revenue Surplus (Deficit):	**5,337,222.00**	**5,445,547.35**	**377,539.19**	**2,456,484.63**	**0.00**	**-2,989,062.72**	**54.89%**
Expense							
E01 - Personnel Expense	1,370,171.76	1,374,971.76	100,757.69	655,079.33	34.20	719,858.23	52.35%
E10 - Building & Grounds Exp	114,130.66	114,130.66	7,324.78	48,523.29	2,247.24	63,360.13	55.52%
E20 - Vehicle Expense	111,500.00	111,500.00	10,906.22	61,469.12	0.00	50,030.88	44.87%
E30 - Supply Expense	1,711,200.00	1,604,525.35	128,121.79	723,430.67	8,078.22	873,016.46	54.41%
E40 - Operations Expense	491,500.00	531,500.00	38,323.04	258,259.45	1,200.00	272,040.55	51.18%
E55 - Professional Services	399,300.00	404,450.00	7,725.30	43,991.73	48,330.00	312,128.27	77.17%
E60 - Miscellaneous Expense	64,500.00	64,500.00	300.44	2,094.74	337.86	62,067.40	96.23%
E62 - Intergovernmental Tsfr	216,150.00	216,150.00	17,027.68	100,384.70	0.00	115,765.30	53.56%
E72 - Bond Expense	43,002.00	43,002.00	3,143.74	19,420.32	0.00	23,581.68	54.84%
E80 - Fixed Assets	720,000.00	857,122.40	-24,427.00	6,048.00	206,871.00	644,203.40	75.16%
E85 - Interest Expense	75,347.00	75,347.00	5,930.98	36,004.28	0.00	39,342.72	52.22%
Expense Total:	**5,316,801.42**	**5,397,199.17**	**295,134.66**	**1,954,705.63**	**267,098.52**	**3,175,395.02**	**58.83%**
Department: 0900 - Water Surplus (Deficit):	**20,420.58**	**48,348.18**	**82,404.53**	**501,779.00**	**-267,098.52**	**186,332.30**	**-385.40%**
Department: 0950 - Wastewater							
Revenue							
R50 - Sale of Services	5,500,000.00	5,500,000.00	479,579.74	2,974,871.42	0.00	-2,525,128.58	45.91%
R60 - Miscellaneous Revenue	50,000.00	50,000.00	0.00	0.00	0.00	-50,000.00	100.00%
Revenue Surplus (Deficit):	**5,550,000.00**	**5,550,000.00**	**479,579.74**	**2,974,871.42**	**0.00**	**-2,575,128.58**	**46.40%**
Expense							
E62 - Intergovernmental Tsfr	5,550,000.00	5,550,000.00	479,579.74	2,974,871.42	0.00	2,575,128.58	46.40%
Expense Total:	**5,550,000.00**	**5,550,000.00**	**479,579.74**	**2,974,871.42**	**0.00**	**2,575,128.58**	**46.40%**
Department: 0950 - Wastewater Surplus (Deficit):	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00%**
Fund: 500 - Water Fund Surplus (Deficit):	**20,420.58**	**48,348.18**	**82,404.53**	**501,779.00**	**-267,098.52**	**186,332.30**	**-385.40%**
Fund: 510 - Wastewater Fund							
Department: 0950 - Wastewater							
Revenue							
R60 - Miscellaneous Revenue	0.00	3,675.00	0.00	31,037.54	0.00	27,362.54	-744.56%
R62 - Intergovernmental Tsfrs	5,500,000.00	5,500,000.00	479,579.74	3,482,247.84	0.00	-2,017,752.16	36.69%
R64 - Reimbursement	100,000.00	100,000.00	0.00	0.00	0.00	-100,000.00	100.00%
Revenue Surplus (Deficit):	**5,600,000.00**	**5,603,675.00**	**479,579.74**	**3,513,285.38**	**0.00**	**-2,090,389.62**	**37.30%**
Expense							
E01 - Personnel Expense	2,125,831.39	2,130,631.39	150,386.15	940,107.49	245.20	1,190,278.70	55.87%
E10 - Building & Grounds Exp	747,168.00	750,843.00	48,479.14	323,085.68	2,082.35	425,674.97	56.69%
E20 - Vehicle Expense	221,520.07	221,520.07	19,117.64	122,638.52	0.00	98,881.55	44.64%

Budget Report

Category	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
E30 - Supply Expense	687,000.00	688,779.98	39,101.00	297,302.83	13,653.62	377,823.53	54.85%
E40 - Operations Expense	79,000.00	79,000.00	5,794.09	43,937.73	0.00	35,062.27	44.38%
E55 - Professional Services	182,300.00	192,257.30	4,725.31	103,822.94	100,808.46	-12,374.10	-6.44%
E60 - Miscellaneous Expense	78,740.00	78,740.00	106.16	3,410.92	35,337.88	39,991.20	50.79%
E62 - Intergovernmental Tsfr	275,000.00	275,000.00	23,978.99	148,743.59	0.00	126,256.41	45.91%
E72 - Bond Expense	67,000.96	67,000.96	4,256.61	26,260.90	0.00	40,740.06	60.81%
E80 - Fixed Assets	750,000.00	1,315,461.29	136,646.07	235,903.28	664,053.07	415,504.94	31.59%
E85 - Interest Expense	95,000.00	95,000.00	6,765.64	51,538.73	15,939.28	27,521.99	28.97%
Expense Total:	**5,308,560.42**	**5,894,233.99**	**439,356.80**	**2,296,752.61**	**832,119.86**	**2,765,361.52**	**46.92%**
Department: 0950 - Wastewater Surplus (Deficit):	**291,439.58**	**-290,558.99**	**40,222.94**	**1,216,532.77**	**-832,119.86**	**674,971.90**	**232.30%**
Fund: 510 - Wastewater Fund Surplus (Deficit):	**291,439.58**	**-290,558.99**	**40,222.94**	**1,216,532.77**	**-832,119.86**	**674,971.90**	**232.30%**
Fund: 515 - Stormwater Utility Fund							
Department: 0140 - Stormwater							
Revenue							
R20 - Licenses Permits & Fees	20,000.00	20,000.00	1,650.00	10,600.00	0.00	-9,400.00	47.00%
R50 - Sale of Services	288,000.00	288,000.00	25,652.00	153,299.71	0.00	-134,700.29	46.77%
R62 - Intergovernmental Tsfrs	342,000.00	342,000.00	0.00	0.00	0.00	-342,000.00	100.00%
R64 - Reimbursement	0.00	0.00	300,000.00	300,000.00	0.00	300,000.00	0.00%
Revenue Surplus (Deficit):	**650,000.00**	**650,000.00**	**327,302.00**	**463,899.71**	**0.00**	**-186,100.29**	**28.63%**
Expense							
E80 - Fixed Assets	650,000.00	788,695.79	-37,866.40	206,760.69	194,286.35	387,648.75	49.15%
Expense Total:	**650,000.00**	**788,695.79**	**-37,866.40**	**206,760.69**	**194,286.35**	**387,648.75**	**49.15%**
Department: 0140 - Stormwater Surplus (Deficit):	**0.00**	**-138,695.79**	**365,168.40**	**257,139.02**	**-194,286.35**	**201,548.46**	**145.32%**
Fund: 515 - Stormwater Utility Fund Surplus (Deficit):	**0.00**	**-138,695.79**	**365,168.40**	**257,139.02**	**-194,286.35**	**201,548.46**	**145.32%**
Fund: 525 - Depreciation - WW							
Department: 0900 - Water							
Expense							
E62 - Intergovernmental Tsfr	0.00	0.00	0.00	109,000.00	0.00	-109,000.00	0.00%
Expense Total:	**0.00**	**0.00**	**0.00**	**109,000.00**	**0.00**	**-109,000.00**	**0.00%**
Department: 0900 - Water Total:	**0.00**	**0.00**	**0.00**	**109,000.00**	**0.00**	**-109,000.00**	**0.00%**
Department: 0950 - Wastewater							
Revenue							
R62 - Intergovernmental Tsfrs	491,150.00	491,150.00	41,006.67	249,128.29	0.00	-242,021.71	49.28%
Revenue Surplus (Deficit):	**491,150.00**	**491,150.00**	**41,006.67**	**249,128.29**	**0.00**	**-242,021.71**	**49.28%**
Department: 0950 - Wastewater Surplus (Deficit):	**491,150.00**	**491,150.00**	**41,006.67**	**249,128.29**	**0.00**	**-242,021.71**	**49.28%**
Fund: 525 - Depreciation - WW Surplus (Deficit):	**491,150.00**	**491,150.00**	**41,006.67**	**140,128.29**	**0.00**	**-351,021.71**	**71.47%**

Category		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 550 - Impact - Water								
Department: 0900 - Water								
Revenue								
R20 - Licenses Permits & Fees		35,000.00	35,000.00	3,600.00	27,896.00	0.00	-7,104.00	20.30%
	Revenue Surplus (Deficit):	**35,000.00**	**35,000.00**	**3,600.00**	**27,896.00**	**0.00**	**-7,104.00**	**20.30%**
	Department: 0900 - Water Surplus (Deficit):	**35,000.00**	**35,000.00**	**3,600.00**	**27,896.00**	**0.00**	**-7,104.00**	**20.30%**
	Fund: 550 - Impact - Water Surplus (Deficit):	**35,000.00**	**35,000.00**	**3,600.00**	**27,896.00**	**0.00**	**-7,104.00**	**20.30%**
Fund: 555 - Impact - WW								
Department: 0950 - Wastewater								
Revenue								
R20 - Licenses Permits & Fees		50,000.00	50,000.00	8,000.00	33,850.00	0.00	-16,150.00	32.30%
	Revenue Surplus (Deficit):	**50,000.00**	**50,000.00**	**8,000.00**	**33,850.00**	**0.00**	**-16,150.00**	**32.30%**
Expense								
E62 - Intergovernmental Tsfr		0.00	0.00	0.00	123,365.00	0.00	-123,365.00	0.00%
	Expense Total:	**0.00**	**0.00**	**0.00**	**123,365.00**	**0.00**	**-123,365.00**	**0.00%**
	Department: 0950 - Wastewater Surplus (Deficit):	**50,000.00**	**50,000.00**	**8,000.00**	**-89,515.00**	**0.00**	**-139,515.00**	**279.03%**
	Fund: 555 - Impact - WW Surplus (Deficit):	**50,000.00**	**50,000.00**	**8,000.00**	**-89,515.00**	**0.00**	**-139,515.00**	**279.03%**
Fund: 604 - W/WW Ref Rev 2017 Bd Fr								
Department: 0000 - Administration								
Revenue								
R62 - Intergovernmental Tsfrs		50,000.00	50,000.00	19,521.36	117,128.16	0.00	67,128.16	-134.26%
R85 - Interest Revenue		2,000.00	2,000.00	75.24	265.10	0.00	-1,734.90	86.75%
	Revenue Surplus (Deficit):	**52,000.00**	**52,000.00**	**19,596.60**	**117,393.26**	**0.00**	**65,393.26**	**-125.76%**
Expense								
E62 - Intergovernmental Tsfr		50,000.00	50,000.00	43,628.13	43,628.13	0.00	6,371.87	12.74%
E72 - Bond Expense		2,000.00	2,000.00	166.67	1,000.02	0.00	999.98	50.00%
	Expense Total:	**52,000.00**	**52,000.00**	**43,794.80**	**44,628.15**	**0.00**	**7,371.85**	**14.18%**
	Department: 0000 - Administration Surplus (Deficit):	**0.00**	**0.00**	**-24,198.20**	**72,765.11**	**0.00**	**72,765.11**	**0.00%**
	Fund: 604 - W/WW Ref Rev 2017 Bd Fr Surplus (Deficit):	**0.00**	**0.00**	**-24,198.20**	**72,765.11**	**0.00**	**72,765.11**	**0.00%**
Fund: 606 - W/WW Ref Rev Bonds 2017 DSR								
Department: 0000 - Administration								
Revenue								
R85 - Interest Revenue		0.00	0.00	1,290.48	7,549.73	0.00	7,549.73	0.00%
	Revenue Surplus (Deficit):	**0.00**	**0.00**	**1,290.48**	**7,549.73**	**0.00**	**7,549.73**	**0.00%**
	Department: 0000 - Administration Surplus (Deficit):	**0.00**	**0.00**	**1,290.48**	**7,549.73**	**0.00**	**7,549.73**	**0.00%**
	Fund: 606 - W/WW Ref Rev Bonds 2017 DSR Surplus (Deficit):	**0.00**	**0.00**	**1,290.48**	**7,549.73**	**0.00**	**7,549.73**	**0.00%**

Category	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 620 - 10/2023 Infrastrure Fee W/WW							
Department: 0900 - Water							
Expense							
E62 - Intergovernmental Tsfr	1,884,000.00	1,884,000.00	0.00	489,282.81	0.00	1,394,717.19	74.03%
Expense Total:	1,884,000.00	1,884,000.00	0.00	489,282.81	0.00	1,394,717.19	74.03%
Department: 0900 - Water Total:	1,884,000.00	1,884,000.00	0.00	489,282.81	0.00	1,394,717.19	74.03%
Department: 0950 - Wastewater							
Revenue							
R50 - Sale of Services	1,884,000.00	1,884,000.00	158,691.90	947,964.65	0.00	-936,035.35	49.68%
Revenue Surplus (Deficit):	1,884,000.00	1,884,000.00	158,691.90	947,964.65	0.00	-936,035.35	49.68%
Department: 0950 - Wastewater Surplus (Deficit):	1,884,000.00	1,884,000.00	158,691.90	947,964.65	0.00	-936,035.35	49.68%
Fund: 620 - 10/2023 Infrastrure Fee W/WW Surplus (Deficit):	0.00	0.00	158,691.90	458,681.84	0.00	458,681.84	0.00%
Report Surplus (Deficit):	-8,176,496.58	-8,596,722.21	253,723.00	3,635,708.60	-2,857,571.14	9,374,859.67	109.05%

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)
001 - General Fund	563.26	-28,982.08	176,541.12	813,164.65	-278,673.08	563,473.65
002 - Sales Tax Fund	0.00	0.00	10,773.03	-50,868.04	0.00	-50,868.04
003 - Franchise Fees Fund	1,679.00	1,679.00	-15,899.23	92,958.23	-113.55	91,165.68
005 - Designated Tax Fund	0.00	0.00	10,774.03	-50,862.04	0.00	-50,862.04
007 - Investment Account	-342,000.00	-342,000.00	2,815.54	18,778.41	0.00	360,778.41
020 - Animal Control Donation	0.00	0.00	0.00	-272.89	0.00	-272.89
030 - Act 1256 of 1995 Court	0.00	0.00	0.00	0.00	0.00	0.00
031 - Act 1809 of 2001 Court Aut	0.00	0.00	4,312.50	-13,202.65	-3,637.35	-16,840.00
045 - Park 1/8 SalesTax O & M	0.00	0.00	1,346.25	-6,360.76	0.00	-6,360.76
051 - Act 833 of 1991 Fire	0.00	0.00	0.00	8,167.27	0.00	8,167.27
055 - Fire 3/8 SalesTax	0.00	0.00	4,039.76	-19,076.26	0.00	-19,076.26
061 - Act 918 of 1983 Police	0.00	0.00	-8,017.36	-1,304.16	0.00	-1,304.16
062 - Act 988 of 1991 Emerg Veh	0.00	0.00	1,112.53	4,101.68	0.00	4,101.68
068 - State Drug Control	0.00	0.00	5,330.00	5,330.00	-2,571.08	2,758.92
080 - Street Fund	-2,637,070.00	-2,034,983.53	-184,067.05	-718,794.71	-1,279,071.35	37,117.47
090 - Long Term Governmental C	0.00	0.00	1,210,423.97	2,381,298.48	0.00	2,381,298.48
110 - Special Redemp - 2016 Bon	30,000.00	30,000.00	3,590.57	21,002.52	0.00	-8,997.48
113 - Debt Service Reserve Fund	0.00	0.00	0.00	0.00	0.00	0.00
114 - 2016 Bond Fund	0.00	0.00	-1,176,660.86	192,050.52	0.00	192,050.52
182 - 2023 Improvement Revenu	521,877.00	221,877.00	43,527.74	-12,821.67	0.00	-234,698.67
183 - 2023 Street Bond DSR	22,000.00	22,000.00	2,640.53	-2,503.98	0.00	-24,503.98
185 - Street Bond 2016 DS	3,444.00	3,444.00	52,068.50	-191,262.10	0.00	-194,706.10
186 - Street Bond 2016 DSR	10,000.00	10,000.00	1,463.06	8,601.33	0.00	-1,398.67
188 - 2023 Improvement Fund	-6,675,000.00	-6,675,000.00	-568,578.35	-1,435,371.99	0.00	5,239,628.01
500 - Water Fund	20,420.58	48,348.18	82,404.53	501,779.00	-267,098.52	186,332.30
510 - Wastewater Fund	291,439.58	-290,558.99	40,222.94	1,216,532.77	-832,119.86	674,971.90
515 - Stormwater Utility Fund	0.00	-138,695.79	365,168.40	257,139.02	-194,286.35	201,548.46
525 - Depreciation - WW	491,150.00	491,150.00	41,006.67	140,128.29	0.00	-351,021.71
550 - Impact - Water	35,000.00	35,000.00	3,600.00	27,896.00	0.00	-7,104.00
555 - Impact - WW	50,000.00	50,000.00	8,000.00	-89,515.00	0.00	-139,515.00
604 - W/WW Ref Rev 2017 Bd Fr	0.00	0.00	-24,198.20	72,765.11	0.00	72,765.11
606 - W/WW Ref Rev Bonds 201	0.00	0.00	1,290.48	7,549.73	0.00	7,549.73
620 - 10/2023 Infrastrure Fee W,	0.00	0.00	158,691.90	458,681.84	0.00	458,681.84
Report Surplus (Deficit):	**-8,176,496.58**	**-8,596,722.21**	**253,723.00**	**3,635,708.60**	**-2,857,571.14**	**9,374,859.67**

WATER SYSTEM MASTER PLAN

EXECUTIVE SUMMARY

City of Bryant, Arkansas

August 2024

I. Introduction

A. Purpose

This document presents a water distribution system master plan for the City of Bryant, Arkansas which is projected to meet water distribution, storage, and pumping requirements until the year 2050. The scope of review includes population and water demand projections for Bryant service area, evaluation of water quality, assessment of water distribution assets, calibrated hydraulic modeling of current and projected demands and improvements, and a Capital Improvements Plan for system upgrades needed to meet the water demands of Bryant to the year 2050.

B. Background

Bryant's Water Distribution Department operates the city-owned water system that serves the City of Bryant as well as wholesale customers within the Woodland Hills service area. Bryant currently purchases wholesale water from Central Arkansas Water (CAW) and is received from two metering stations, one direct feed and one capable of pumping 3,500 gallons per minute through a Bryant-owned booster pump station. The Bryant water system includes three storage tanks, one 2,000,000-gallon elevated storage tank and two 1,000,000-gallon ground storage tanks, and approximately 107 miles of distribution waterlines within two pressure zones.

C. Population and Demand Projections

Bryant has experienced significant growth since the 1980's. Its population has increased from 2,682 in 1980 to an estimated 22,235 in 2024. Between 2020 and 2050, Bryant's population is projected to increase to 36,889, marking a growth of 16,226 people (79%) from the recorded 2020 census population. Bryant's current system water demand is 1.9 million gallons per day (MGD) based on Average Daily Demand (ADD) and 3.1 MGD based on Max Day Demand (MDD). The projected demands are expected to increase to 3.4 MGD ADD and 6.1 MGD MDD by 2050. **Figure 1**: Population and Demand Projections shows the expected increase in population, ADD, and MDD through the planning period to 2050.

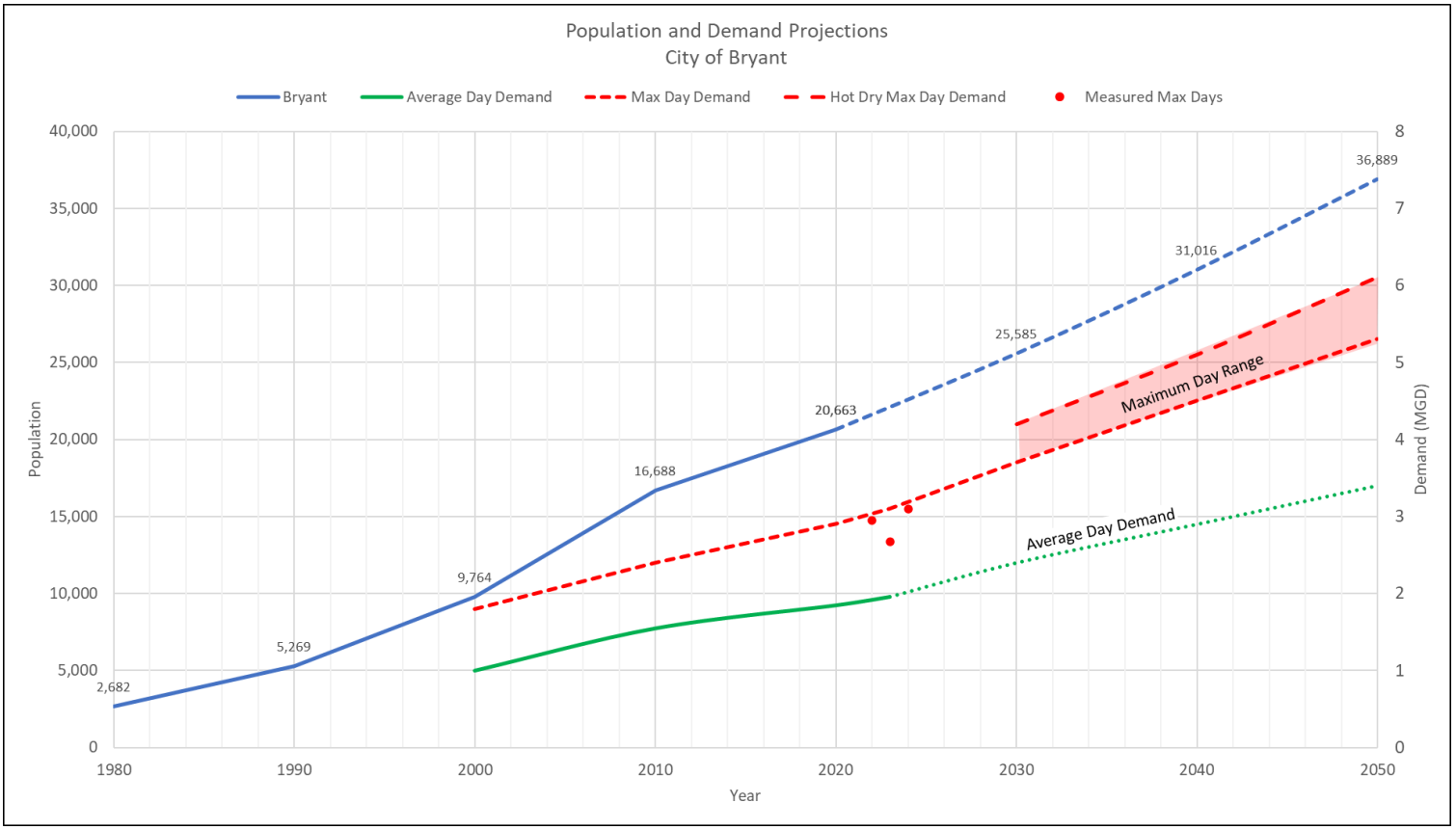

Figure 1: Population and Demand Projections

D. Hydraulic Modeling

To assess the existing infrastructure and determine the required improvements to meet the projected demands of Bryant, a hydraulic model was developed. The hydraulic model was created using a graphical spatial model, utilizing the city's provided GIS information on distribution and storage infrastructure as well as demands associated with meter location received from the Metron metering system. The resulting model shown **Figure 2**: Bryant Hydraulic Model simulated Bryant's water system and typical demands. Scaling water demands within the model based on future expected demands allowed for future improvements to be determined based on a design criterion including adequate service pressures, fire flow capabilities, and sufficient water capacity within the system for both average and maximum day demands.

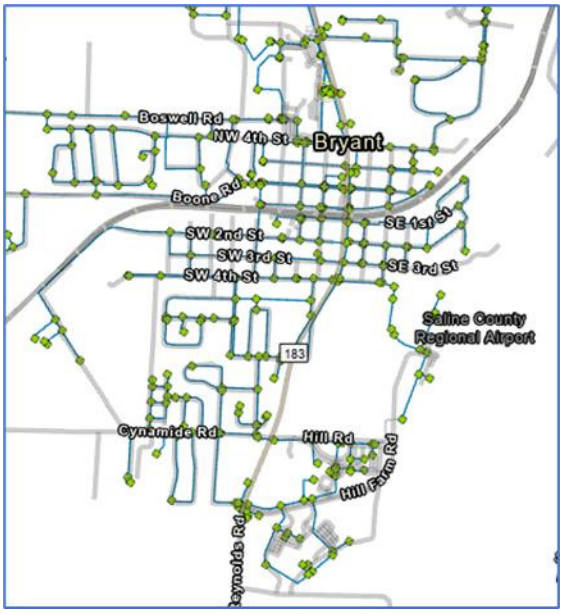

Figure 2: Bryant Hydraulic Model

E. Water Supply

Bryant currently purchases all of its water from CAW under a wholesale water purchase agreement. Bryant can receive up to 4.0 MGD under this agreement. As evidence of the demand projections, the current 4.0 MGD allotment will not be sufficient for projected demands. Saline Regional Public Water Authority (SRPWA) is an anticipated future supply of water for the City of Bryant, of which Bryant's minimum allocation is proposed to be 2.0 MGD.

Scenarios including individual and combined water supply from CAW and SRPWA were evaluated, and improvements were provided based on those scenarios. Once the design of the SRPWA connection is established, an update to the Master Plan further clarifying the future needed improvements based on the capacity and location of the SRPWA connection may be required.

F. System Improvements

The system improvements were evaluated based on hydraulic modeling of average and maximum day demands for the current system, and the system demands in years 2030, 2040, and 2050. Based on these scenarios, improvements were developed and separated in near-term, mid-term, and long-term improvements. Near-term improvements are improvements that are most needed to meet the needs of the system within 0 – 10 years. Mid-term improvements look at improvements that will be needed to meet system demands in the 10 – 20 year range. Long-term improvements look at improvements needed to meet the 20+ year range of demands and are based on service to customers, reliability, and fire flow demands. The improvement timeframe recommendations can change based on new construction, street projects, and other system changes that may require improvements to become a higher priority.

Near Term Improvement costs are projected at $14,400,000, Mid Term Improvements at $8,700,000, and Long-Term Improvements at $8,300,000.

Near-term improvements consist of consolidating the south pressure zone via removal of the existing south tank and the installation of a new 1,500,000 gallon tank on the same elevation as the north pressure zone. This conversion would aid in increased pressures to areas within the south zone currently experiencing low pressure and low water flow issues. Other improvements included involve those needed to better connect the north and south areas of Bryant for this pressure zone conversion as well as needed connections to improve fire flow within the system.

Mid-term improvements consist of extensions required for connection and utilization of the SRPWA water supply, as well as fire flow and reliability improvements.

Long-term improvements consist of improvements needed to better connect the system to allow adequate water supply throughout the system to meet the projected increased system demands.

Below is the projected list of improvements needed as well as the expected capital cost.

CITY OF BRYANT WATER UTILITIES
WATER SYSTEM MASTER PLAN
CAPITAL IMPROVEMENT PLAN

No.	Type	Description	Diameter	Length	Cost Estimate ($)	CAPITAL IMPROVEMENT PLAN		
						Near Term ($)	Mid Term ($)	Long Term ($)
Water System Improvements - Distribution System - Near Term Improvements								
1	609 PZ Expansion	1,500,000 Gallon Tank @ N. Reynolds / High School	-	-	$ 11,000,000	$11,000,000		
2	609 PZ Expansion	12 inch extension Boon Road	12	5,000	$ 1,300,000	$1,300,000		
3	System Transmission	Springhill, I30 to Highway 5 N	16	2,100	$ 1,000,000	$1,000,000		
4	Improvement	Woodland Hills Metron Meter and Vault	-	-	$ 60,000	$60,000		
5	Fireflow/Resiliency	Airport to Hill Road	8	900	$ 180,000	$180,000		
6	Fireflow/Resiliency	Bryant Pkwy I30 to Johnswood	8	3,700	$ 740,000	$740,000		
7	Fireflow/Resiliency	N Reynolds Road at Rogers Road Crossing	8	100	$ 40,000	$40,000		
8	Fireflow/Resiliency	Woody Dr to Steeplechase Cir	8	400	$ 80,000	$80,000		
Water System Improvements - Distribution System - Mid-Term Improvements								
9	SRPWA Connection	SRWRPA Extension North tank to Hwy 5 Tank	18	10,000	$ 3,500,000		$3,500,000	
9A	SRPWA Connection	Highway 5 at Springhill to Highway 5 Tank - SRPWA Connection	18	12,000	$ 4,000,000		$4,000,000	
10	SRPWA Connection	Connect Services Before CAW Pump Station along I30	8	1,400	$ 192,000		$192,000	
11	Pump Station	Chlorination upgrades at CAW Booster Pump Station	-	-	Awaiting Pricing		Awaiting Pricing	
12	Fireflow/Resiliency	Forest Dr and Highway 5 N Interconnect	8	350	$ 52,500		$52,500	
13	Fireflow/Resiliency	Debswood to Carywood Dr	6	800	$ 150,000		$150,000	
14	Fireflow/Resiliency	Highway 5 Extension to Lowery Lane	8	2,000	$ 420,000		$420,000	
15	Fireflow/Resiliency	Sunset Meadows Extension	8	350	$ 100,000		$100,000	
16	Fireflow/Resiliency	Ward Dr Extension	6	1,200	$ 216,000		$216,000	
Water System Improvements - Distribution System - Long Term Improvements								
17	System Transmission	Hwy 5 Tank to I-30 Crossing	16	3,000	$ 1,600,000			$1,600,000
18	System Transmission	I30 to South Tank	16	8,000	$ 3,000,000			$3,000,000
19	CAW Connection	Booster Pump Station to I 30 at Pikewood	16	11,000	$ 3,500,000			$3,500,000
20	CAW Connection	New 75 HP Goulds Pump	-	-	$ 200,000			$200,000
21	SRPWA - Wholesale	SRPWA Extension for East End			$ -			$0
				TOTALS	**$ 31,330,500.00**	**$14,400,000**	**$8,630,500**	**$8,300,000**

* Cost estimates determined in July 2024 include construction costs, contingency, and other project costs for engineering, legal, environmental, etc.

Project No. 24005

WATER SYSTEM MASTER PLAN

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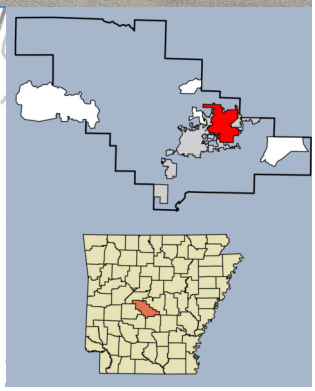
August
2024

Crist Job No.
24005

DRAFT



WATER SYSTEM MASTER PLAN
City of Bryant, Arkansas
August 2024

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WATER SYSTEM MASTER PLAN

City of Bryant, Arkansas

July 2024

I. Introduction

A. PURPOSE

This Report presents a water distribution system master plan for the City of Bryant, Arkansas which is projected to meet water distribution, storage, and pumping requirements until the year 2050.

B. SCOPE

This Report includes:

- Population and water demand projections through the year 2050.
- Development of a project list to meet projected demand through 2050.
- Evaluation of water distribution water quality (TTHMs).
- On-site inspections at all sites, including water tanks, pressure reducing valve stations, and booster pump stations.
- Analysis of water pipes in the system under current demands, including identification of pipes needing upsizing or looping.
- Assessment of fire flow availability in the system and recommendations for improvements.
- Identification of potential interconnect locations with local water systems and determination of required improvements.
- Assessment of Planning Areas, underdeveloped areas, and potential future growth areas with city staff guidance.
- Rebuild the water system hydraulic model and update demand allocation and patterns using automated metering and zone metering data.
- Cost estimates and location maps for all recommendations.

II. PART 1 – BACKGROUND INFORMATION

A. GENERAL

Bryant is the second largest city in Saline County, Arkansas, and is strategically located along Interstate 30 between Benton and Little Rock as shown in **Figure II-1: Bryant Service Area**. Bryant experienced significant growth since the 1980's. Its population has increased from 2,682 in 1980 to an estimated 22,235 in 2024.

Since the late 1980's, Bryant has purchased water wholesale from Central Arkansas Water (CAW). Water is pumped from the CAW meter station into the north pressure zone. Since late 2005 Bryant has sold water wholesale to the Saline County Waterworks and Sanitary Sewer Public Facilities Board (Woodland Hills). The Bryant water system includes two CAW master meter stations with one capable of pumping 3,500 gallons per minute via two 75 HP vertical turbine pumps. Bryant water storage includes one 2,000,000- gallon elevated storage tank, two 1,000,000-gallon ground storage tanks, and two pressure zones. The elevated storage tank and one ground storage tank provide water to the north pressure zone, and the other ground storage tank provides flows to the south pressure zone. The north pressure zone has an overflow elevation of 609 feet while the south pressure zone has an overflow elevation of 541 feet.

This 26-year master plan (2024 - 2050) addresses Bryant water system improvements needed to accommodate the anticipated growth, including providing wholesale water service to Woodland Hills. The improvements are identified as near, intermediate, and long-term improvements. The plan also provides recommendations and required upgrades for a new potential source of wholesale purchased finished water from the Saline Regional Public Water Authority (SRPWA)

The Bryant water planning area is to include all areas within the Bryant Service area shown on **Figure II-1: Bryant Service Area** and is used as the basis for the population projections and water demand projections. Solely for the purposes of this report, it is assumed that Bryant will provide water to all of the water meters in the Bryant city limits boundaries as well as wholesale water to Woodland Hills but will not extend to beyond the existing Service Area as the water system is currently contiguous with the service areas of Salem Water, Central Arkansas Water, and Benton Water Systems.

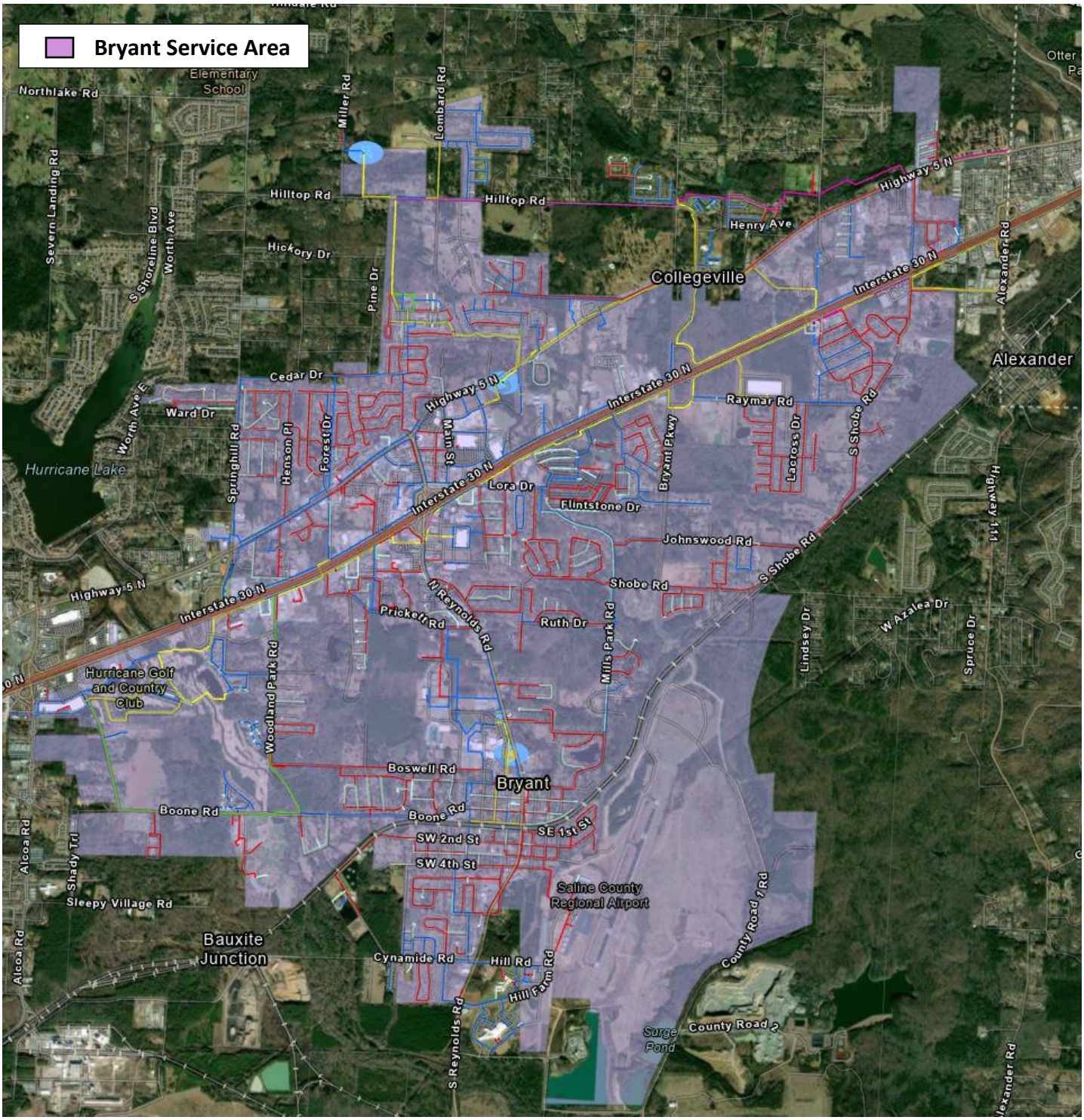


Figure II-1: Bryant Service Area

B. POPULATION AND WATER DEMAND PROJECTIONS

Table II-1: Historical, Estimated and Projected Population shows historical, estimated, and projected population for the City of Bryant and Woodland Hills, according to information from the United States Census Bureau. Data is presented through the 2050 study period.

Table II-1: Historical, Estimated and Projected Population

Bryant, Arkansas			
Year	**Bryant**	**Woodland Hills**	**Total**
1900	113		
1910	91		
1920	132		
1930	162		
1940	173		
1950	387		
1960	737		
1970	1,199		
1980	2,682	1,200	3,882
1990	5,269	1,590	6,859
2000	9,764	1,815	11,579
2010	16,688	1,928	18,616
2020	20,663	2,085	22,748
2030	25,585	2,247	27,832
2040	31,016	2,405	33,421
2050	36,889	2,567	39,456

To project future population trends, projections are made until the year 2050 using the percent growth method. The following equation illustrates the application of this method.

$$P_t = P_0(1 + k)^n$$

Where :

P_t = Population at time t

P_0 = Population at time zero

k = growth rate

n = number of periods

Based on the population data in Table 1.1 a growth rate (k) was calculated over a 10-year period (n). Using this growth rate and the equation mentioned above, projections were made. **Figure II-2: Bryant Population Trends** illustrates the population trend from 1980 to 2020, with projections extended to 2050.

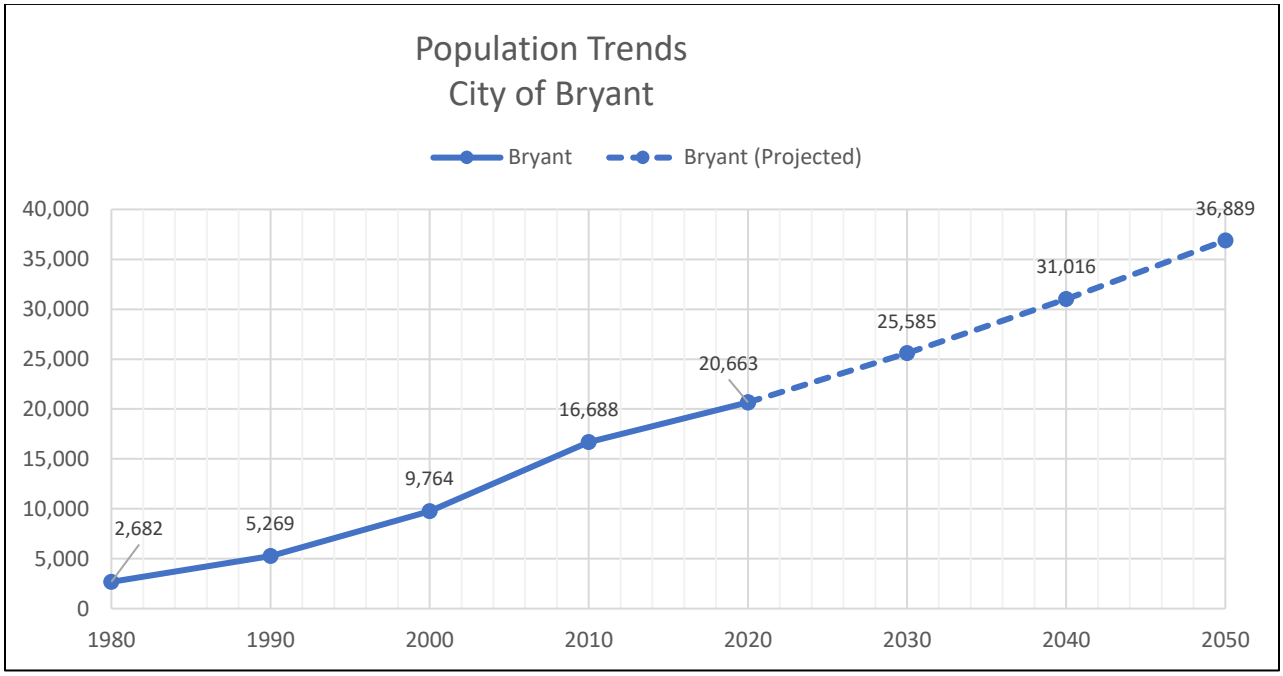


Figure II-2: Bryant Population Trends

Between 2020 and 2050, Bryant's population is projected to increase to 36,889, marking a growth of 16,226 people (79%) from the recorded 2020 census population.

Bryant currently buys water from CAW. Weekly purchase data is available from January 2014 through April 2024, with gaps including all of 2019. Missing months and the year of 2019 were estimated by averaging data from the two preceding and two subsequent years for the same months. The data provided spans from 2014 to 2020, averaging between meter readings. In the summer of 2021, actual daily records were introduced. **Figure II-3: Water Purchase Data** depicts the recorded purchase quantities. Starting in 2021, data accuracy improved, with no averaging between meter readings. Transparent red and blue vertical bars indicate summer and winter months, respectively.

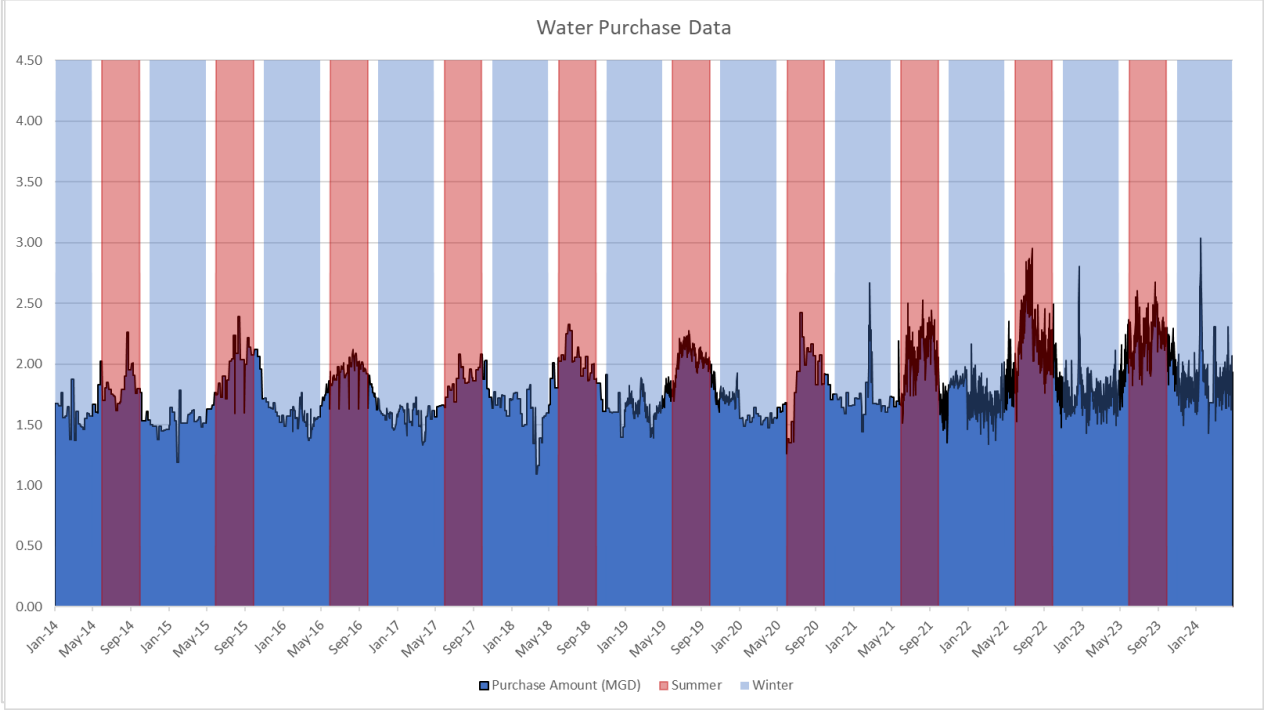


Figure II-3: Water Purchase Data

From 2014 to 2024, purchased water shows an increasing trend, with average daily demand rising from approximately 1.7 million gallons per day (mgd) to 2.0 mgd—an 18% increase. The estimated maximum daily demand in 2014 was 2.5 mgd, derived from the highest recorded average meter reading over a week period, with a 15% increase applied. In contrast, the actual recorded maximum daily demand in 2024 reached 3.04 mgd, showing a 24% increase.

There are approximately 8,509 connections within Bryant's system and 9,216 meters including the wholesale meters within Woodland Hills. Using the connection amount and the historic average day and maximum day data, the average water purchased per meter ranged from 200 gallons per day to 250 gallons per day. For maximum day use, water usage per meter ranged from 300 to 360 gallons per day over the past decade. To project Maximum Day Demand (MDD), the 90th percentile usage of 350 gallons per day per meter will be used.

According to the US Census Bureau there are an average of 2.5 occupants per household in Bryant. **Figure II-5: Projected Demands** illustrates projected water demands, calculated by dividing the projected population by the average occupants per household and multiplying by the typical household usage. This value was then converted to million gallons per day (mgd) by dividing by 1,000,000. A trendline was derived from recorded maximum daily demands to establish a pattern, which was applied to project Maximum Day Demand. A similar approach using the ratio of Average Day Demand to Maximum Day Demand was used to project Average Day Demand. An additional Hot Dry Maximum Day Demand was reviewed and is considered Maximum Demand Day plus 15-percent. The ratio of Maximum and Average Day Demand ranged from 1.40 to 1.70 for the past 20 years of data, which represents the potential peaking factor each year. **Table II-2: Water Demands** shows the historical and projected future water demands for Bryant.

Figure II-4: Bryant Booster Pump Station

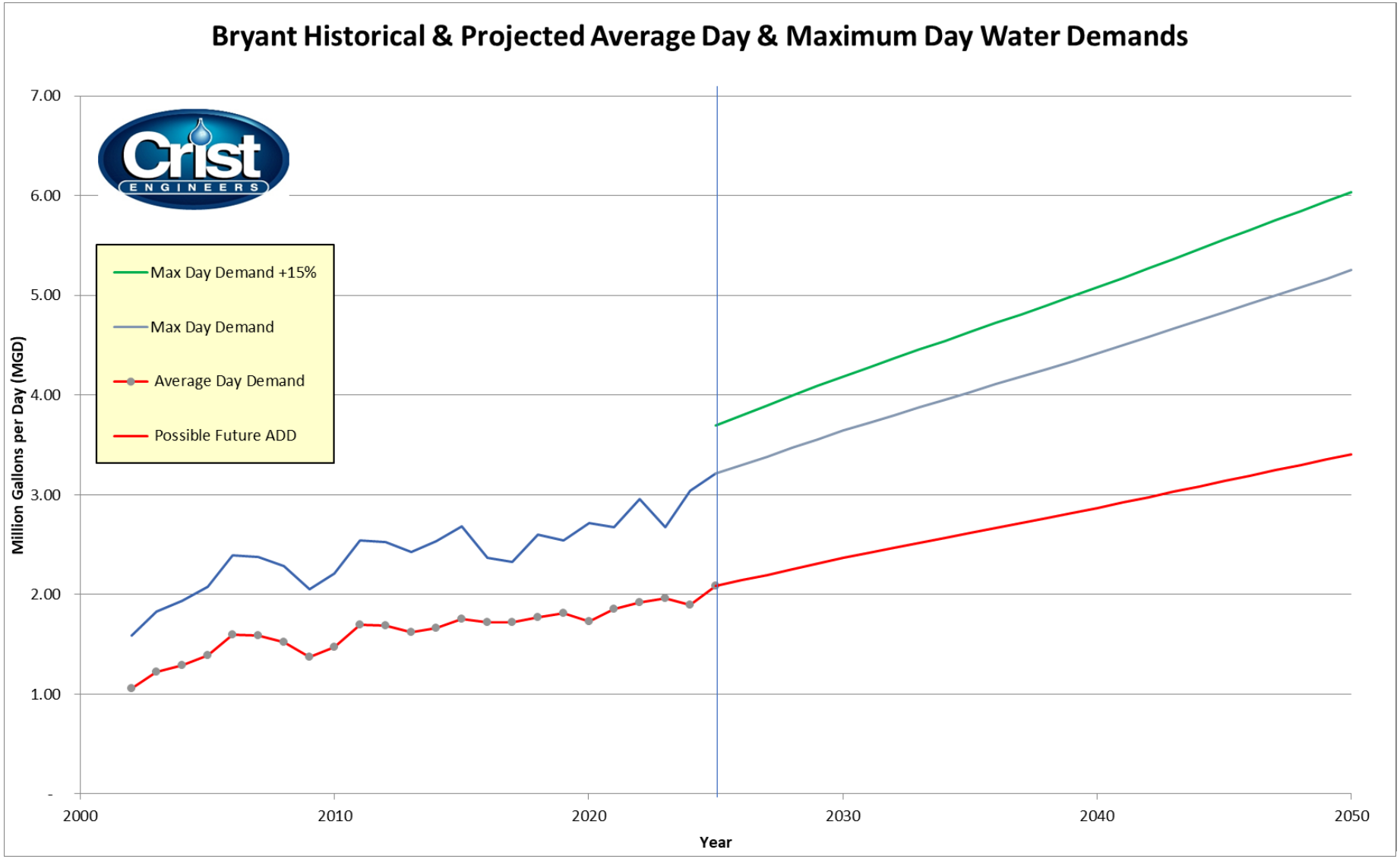


Figure II-5: Projected Demands

Table II-2: Water Demands

Bryant, Arkansas				
Year	Projected Population (From Table 1.1)	Average Day Demand (Million Gallons per Day)	Maximum Day Demand (MGD)	Hot Dry Maximum Day Demand (MGD)
2000	9,764	0.9	1.5*	-
2010	16,688	1.5	2.4*	-
2020	20,663	1.8	2.9*	-
2024	22,235	1.9	3.1	-
2030	25,585	2.4	3.7	4.2
2040	31,016	2.9	4.5	5.1
2050	36,889	3.4	5.3	6.1
* Estimated using a 1.6 MDD/ADD Peaking factor derived from 2022 demands				

The water demand projections for Bryant are focused on primarily residential growth within the existing service area. One potentially significant factor that is not included in the projected water demands shown in Table II-2 is water demands associated with industrial development, specifically at the Saline County Regional Airport. The Airport is in the Bryant city limits and it includes about 1200 acres, 600 acres of which are available for development as an industrial park. Typical water demands for industrial users can vary greatly depending on the type of industrial user, but can range from typical commercial flows of 100 gallons per acre per day to industrial processing facilities using over 1500 gallons per acre per day. Fully developed, the Airport industrial area could have estimated water demands ranging from as low as 60,000 to over 900,000 gallons per day and will be evaluated as part of the system hydraulic modeling based on the lower range of the expected flows.

Another potentially significant factor not included in the projected demands is the inclusion of flows from customers currently served by other systems. The addition of a large demand outside of the existing service area will need to be assessed on a case-by-case basis as the situation arises based on existing infrastructure and needed improvements to provide flows to the new area.

C. WEATHER DEPENDANT MAXIMUM DAY DEMANDS

Seasonal patterns affect the system in various ways. During winter months, usage typically is lower than during summer months but during weather events that sustain below freezing temperatures, water line breaks and customer faucet dripping can increase the base demand greatly in some cases. In summer months, demand peaks during the hottest and driest periods due to sprinkler use, summer activities, and additional bathing. However, these demands do not persist during sleeping hours.

A Maximum Day Demand (MDD) recorded during a summer month provides an accurate representation of expected recurring events. However, an MDD recorded in the winter may not accurately represent recurring events. The winter MDD might result from high base demand, typical daily use, and leaks due to frozen pipes.

Figure II-6: Winter Vs. Summer Maximum Demands below compares the MDD recorded on August 23, 2023, with the MDD experienced on January 17, 2024.

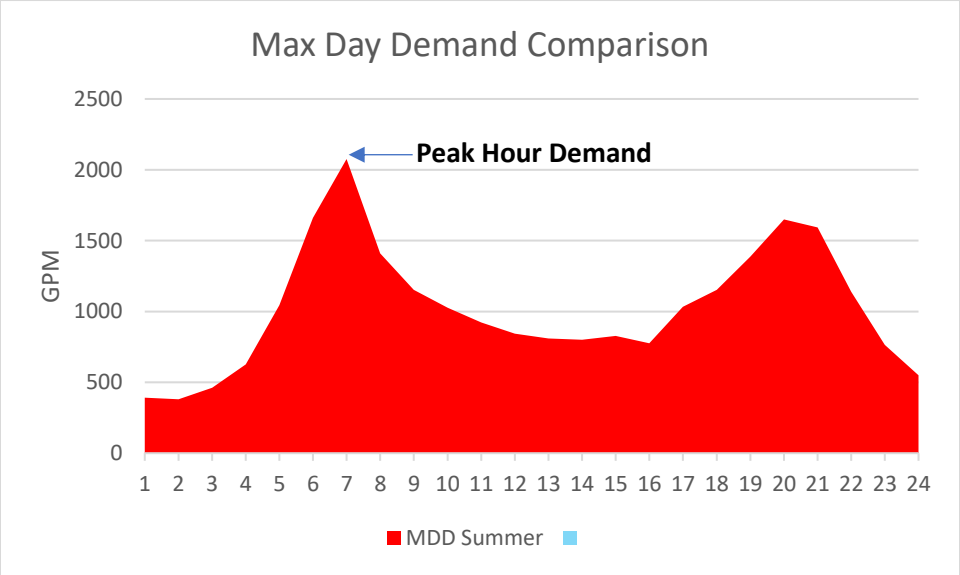


Figure II-6: Winter Vs. Summer Maximum Demands

Winter Maximum Day Demands can be highly unpredictable in nature due to the unknown timing and effects the weather will cause on the system. Daily water demands during these events can match or even exceed daily demands during typical Summer Maximum Day Demands.

The peak demand for the summer event was experienced in the morning and was much higher than the evening peak demand for winter. Conversely, the base demand for the winter event is greater than the base demand for the summer event.

Figure II-7: Average Summer Vs. Average Winter Demands below displays a typical winter and summer demand, showing that the base demands during normal winter months are usually in line with the base demands of summer months.

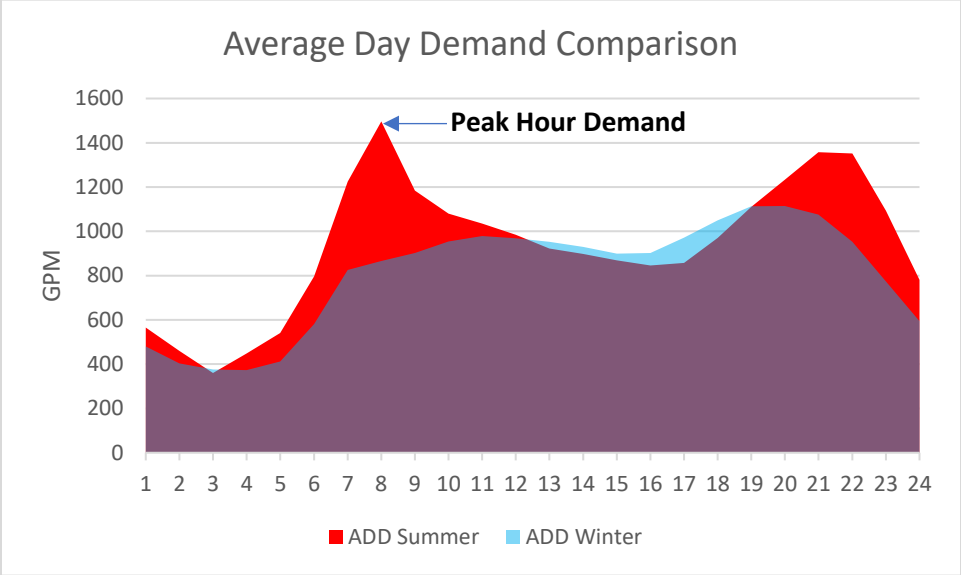


Figure II-7: Average Summer Vs. Average Winter Demands

The pattern of these curves resembles the pattern of the recorded events, indicating fairly consistent usage for each month. Interestingly, the winter peaking factors consistently maintain a higher range compared to the summer peaking factors. The maximum hourly peaking factor occurs during the summer, which aligns with the observations from the recorded summer and winter MDDs.

The high summer demand necessitates greater storage capacity to meet peak demand. Demand drops significantly during sleeping hours, allowing the system to replenish its storage. In contrast, winter demand maintains a consistently higher base demand even during sleeping hours, which limits the system's ability to replenish storage. Instead, winter demand requires sufficient pumping capacity to meet all requirements continuously.

D. WATER SUPPLY

Bryant currently purchases all of its water from CAW under a wholesale water purchase agreement. The agreement has been in place since 1988 and was renewed for a term of 20 years in 2008. Bryant can receive up to 4.0 MGD, under this agreement. As evidence of the demand projections, this 4.0 MGD allotment will not be sufficient during future maximum-day demands.

The Saline Regional Public Water Authority (SRPWA) completed a Preliminary Engineering Report in 2021 that identified the Ouachita River as a long-term water supply option. The anticipated initial SRPWA supply of water from Ouachita River is 22 MGD, of which Bryant's minimum allocation is proposed to be 2.0 MGD. This is anticipated to be received via transmission main on the west section of Bryant, potentially near the north 1-million gallon ground storage tank or adjacent to I-30, which will be used for hydraulic considerations.

According to the SRPWA report, the total estimated cost for the Ouachita River project is $175,000,000, The SRPWA report estimates that the project could be in service by 2030.

Once the design of the SRPWA connection is established, an update to the Master Plan further clarifying the future needed improvements based on the capacity and location of the connection may be required.

E. WATER QUALITY

The Bryant water system samples four sites for trihalomethanes (TTHM) and haloacetic acids (HAA5) in accordance with the Safe Drinking Water Act. The regulated quantities, or Maximum Contaminant Levels (MCL) of TTHM and HAA5 are 80 and 60 micrograms per liter (µg/l). **Table II-3: Historical TTHM Data (µg/l)** below lists the quarterly averages and running annual averages for 2021, 2022, and 2023 for TTHM.

Table II-3: Historical TTHM Data (µg/l)

Bryant, Arkansas		
	Quarterly Average	**Running Annual Average**
2021		
First Quarter	-	48.0
Second Quarter	-	
Third Quarter	65.7	
Fourth Quarter	50.5	
2022		
First Quarter	43.5	41.9
Second Quarter	38.9	
Third Quarter	66.4	
Fourth Quarter	41.9	
2023		
First Quarter	28.5	52.3
Second Quarter	40.8	
Third Quarter	69.8	
Fourth Quarter	69.8	

Table II-4: Historical HAA5 Data (µg/l) below lists the quarterly averages and running annual averages for 2022 and 2023 for HAA5.

Table II-4: Historical HAA5 Data (µg/l)

Bryant, Arkansas		
	Quarterly Average	**Running Annual Average**
2022		
First Quarter	18.4	17.3
Second Quarter	21.5	
Third Quarter	17.5	
Fourth Quarter	12.0	
2023		
First Quarter	20.7	21.5
Second Quarter	31.8	
Third Quarter	19.1	
Fourth Quarter	15.2	

While HAA5 levels are below regulated levels, TTHM levels are showing an increasing trend. Several values are above the 80µ/l regulated level with a maximum reported value of 94.3 µ/l. TTHM formation depends on several factors including the amount of TTHM precursors, water temperature, chlorine concentration, pH, and water age in the distribution system. Since Bryant currently purchases its water from CAW, it does not have direct control over some of these TTHM factors. However, Bryant can help control some of the factors by making improvements to its water distribution system to decrease water age and limit dead-end lines by adequate looping. It is also anticipated that usage of finished water from SRPWA will allow for decreased TTHM levels with reduced water age from the plant to distribution when compared to CAW wholesale water.

F. EMERGENCY CONNECTIONS

Water connections to adjacent utilities can provide a benefit during times of emergency. Although the delivery of the amount of water may be limited, the connections can nevertheless provide some water. Bryant currently has an emergency connection with Salem near the North water tank and plans to establish emergency connections with Benton that will enable Bryant to either deliver or receive water in an emergency.

G. SCADA SYSTEM

Bryant has a SCADA system that provides its operators with information concerning current and ongoing system operations. The SCADA system Central Terminal Unit (CTU) monitors tank levels, booster pump operations, and CAW water meter readings.

III. PART 2

A. DISTRIBUTION AND STORAGE SYSTEM ZONES

Distribution and storage system zones refer to pressure zones within a water distribution system. The Bryant water system includes two such zones. The two pressure zones within the system are identified as the North Pressure Zone and the South Pressure Zone. Separate pressure zones are generally used to equalize water pressure across an entire water distribution system according to ground elevation.

Figure III-1: Hwy 5 Tank

The North Pressure Zone makes up a large percentage of the total Bryant water distribution system. Everything along and north of the Interstate 30 corridor is in the North Pressure Zone. Generally, these are the highest ground elevations in the City of Bryant. The North Pressure Zone extends down Reynolds Road to the south water storage tank where the South Pressure Zone originates. A boundary map of the existing pressure zones is shown in **Figure III-2: Bryant Pressure Zones.**

Water storage is provided in the North Pressure Zone by a 2 million gallon composite elevated tank located centrally in the system off of Highway 5 and a 1 million gallon ground storage tank located in the northwest part of town off of Hilltop Road. This north pressure zone has an overflow elevation of 609 feet. Water storage is provided in the South Pressure Zone by a 1 million gallon ground storage tank located along Reynolds Road. This south tank has an overflow elevation of 541 feet.

All water distributed by the City of Bryant is transmitted through the North Pressure Zone. Water enters the North Pressure Zone by gravity or pumping through two CAW metering sites. The original CAW meter site with pump station is located along the Interstate 30 service road near Millbrook Drive. A second CAW meter site is located at the intersection of Highway 5 and County Line Road. Water continuously flows through the original meter site and is pumped from that location into the North Pressure Zone. The South Pressure Zone is provided water from the North Pressure Zone with the operation of an altitude valve located at the base of the South Tank.

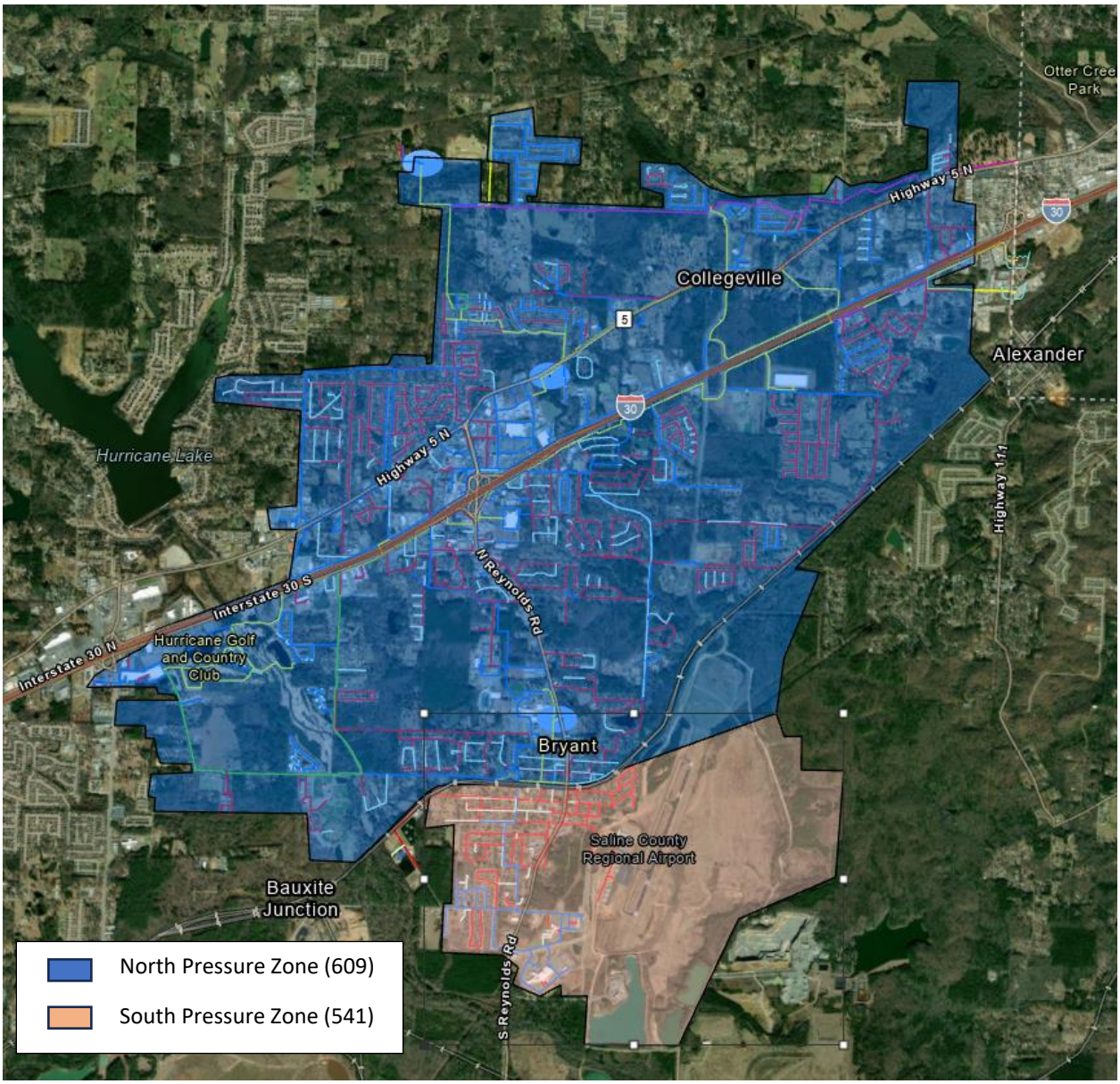


Figure III-2: Bryant Pressure Zones

B. INVENTORY OF EXISTING WATER PIPES

The water transmission capacity of a pipeline is dependent upon the pipe diameter and the relative roughness of the pipeline. For a given flow through a pipe, the head loss through that pipe increases as diameter and roughness decrease. It is important that the pipes within a distribution system are properly sized to prevent unnecessary head loss. The roughness of a pipe can vary considerably with pipe material, age, and the condition of the pipe.

Table III-1: Distribution Pipe Inventory shows the quantities of piping within the Bryant water distribution system. The total system consists of approximately 568,000 feet or 108 miles of distribution piping with 525,000 feet or 99 miles of pipe 6-inch and larger. The North Pressure Zone is the largest of the pressure zones with 86 % of the total system piping.

Table III-1: Distribution Pipe Inventory

Bryant, Arkansas		
Pipe Diameter	**TOTAL SYSTEM**	**Percent of Total**
2	17,099	3.0%
3	6,303	1.1%
4	19,534	3.4%
6	261,806	46.1%
8	160,627	28.3%
10	14,978	2.6%
12	69,540	12.3%
14	410	0.1%
16	17,228	3.0%
24	84	0.0%
TOTAL	567,611	100%
% of Total	100%	

C. PUMPING FACILITIES

The City of Bryant currently has a pump station at the CAW Master Meter along I-30 as shown in **Figure III-3: Booster Pump Station**. This pump station was constructed in 2012 and consists of two 75 HP Goulds vertical turbine pumps capable of providing 2,000 gallons per minute at 95 feet of head each or 3,500 gallons per minute at 101 feet of head combined into the North Pressure Zone. The pumps are housed in a booster pump station and booster chlorination is available at the site. The chlorination unit currently has leaks that have caused corrosion to components

inside the chemical room as shown in **Figure III-4: Chlorination Unit with Corossion Evident**. It is recommended that the chlorination system be replaced.

Figure III-3: Booster Pump Station

Figure III-4: Chlorination Unit with Corossion Evident

D. SYSTEM STORAGE

Three classes of water storage are needed for proper operation of water distribution systems, equalization storage, fire storage, and emergency or reserve storage. Adequate storage enables supply and treatment facilities to operate at a near uniform rate without the need and investment required to meet extreme peak demand. The storage requirement of each pressure zone is dependent on the demands within that particular zone. Equalization storage refers to the storage that can be used during periods of peak demand and is replenished during periods of minimum demands. The volume of equalization storage required for a water distribution system is based on a 24-hour demand pattern on the maximum day demand. Fire storage refers to the water required to meet fire flow requirements. The emergency or reserve storage refers to the volume of water to be held in the reservoir for an emergency such as a facility outage. Table 2.4 summarizes the existing storage facilities within the Bryant water distribution system.

Figure III-5: South Tank

Useable storage is calculated by first establishing the minimum operating level while maintaining a static pressure of 30 psi to all water users in that tank's pressure zone. For the South Zone, a pressure residual of 20 psi will be used as the North Pressure Zone tanks are capable of maintaining the storage capacity of the South Pressure Zone via gravity.

By taking the elevation of the highest water customer in a tank's pressure zone and adding 69.3 feet (30 psi) to that critical ground elevation, a minimum drawdown level of the tank can be established. If the tank level drops below this minimum drawdown level, the static pressure will drop below 30 psi in the distribution system. After the minimum level of a tank is calculated, the tank's volume can be recalculated using this height of water. This volume is known as the "useable storage capacity." **Figure III-6 - Useable Storage Diagram** illustrates the relationship between useable storage and total storage.

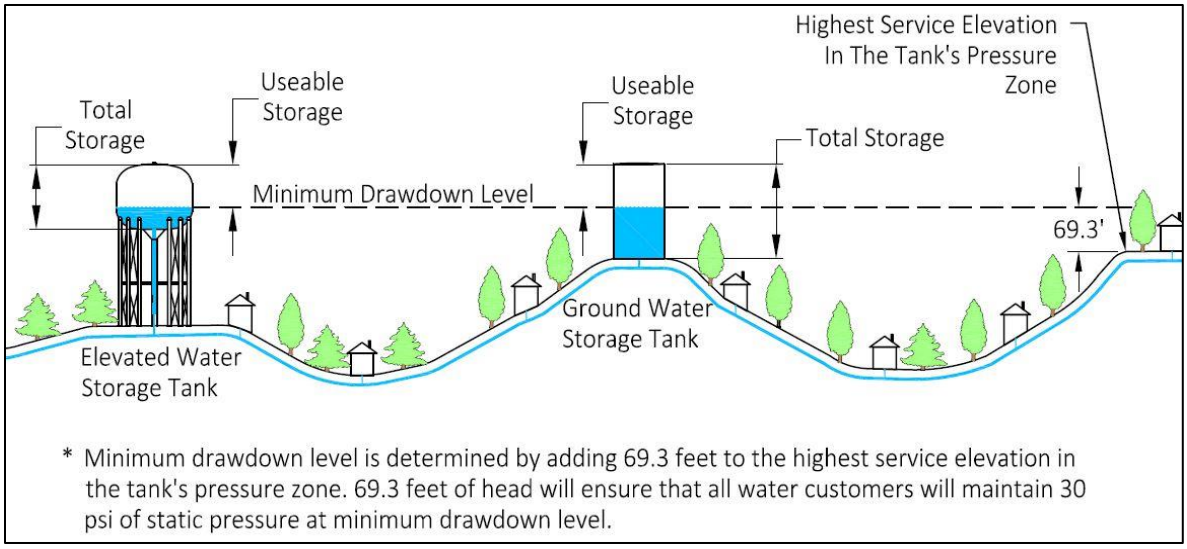


Figure III-6 - Useable Storage Diagram

The data presented in **Table III-2: Summary of Existing Storage** indicates that the system has approximately 4,227,144 gallons of total storage in the distribution system. However, only about 3,300,647 gallons, or approximately 78%, is considered useable storage. The other storage is simply "water holding up water."

Table III-2: Summary of Existing Storage

Bryant, Arkansas						
Location	**Type of Storage**	**Diameter (feet)**	**Overflow Elevation (feet)**	**Base Elevation (feet)**	**Useful Capacity (gallons)**	**Total Capacity (gallons)**
Hwy 5 Tank	Elevated	94.5	609.00	442.00	2,000,002[a]	2,000,002
South Tank	Ground	50	541.00	464.00	511,141[a]	1,130,973
North Tank	Ground	52	609.00	540.00	789,504[b]	1,096,169
a - Based upon service to elevation 460' with 20 psi static pressure. b - Based upon service to elevation 490' with 30 psi static pressure.					3,300,647	4,227,144
					TOTAL STORAGE	

1. Equalization Storage

Water distribution system pumping facilities are typically sized for the maximum day demand. Equalization storage is the amount of water required to meet the difference between peak hourly demand and maximum day demand. The required water storage volume for a distribution system is determined from an hourly hydrograph shown in **Figure III-7: Bryant Equalization Curve**. The area under the curve but above the average hourly demand on the maximum day

represents the volume required for equalization storage. **Table III-3: Equalization Storage Requirements** shows the equalization storage requirements for the City of Bryant.

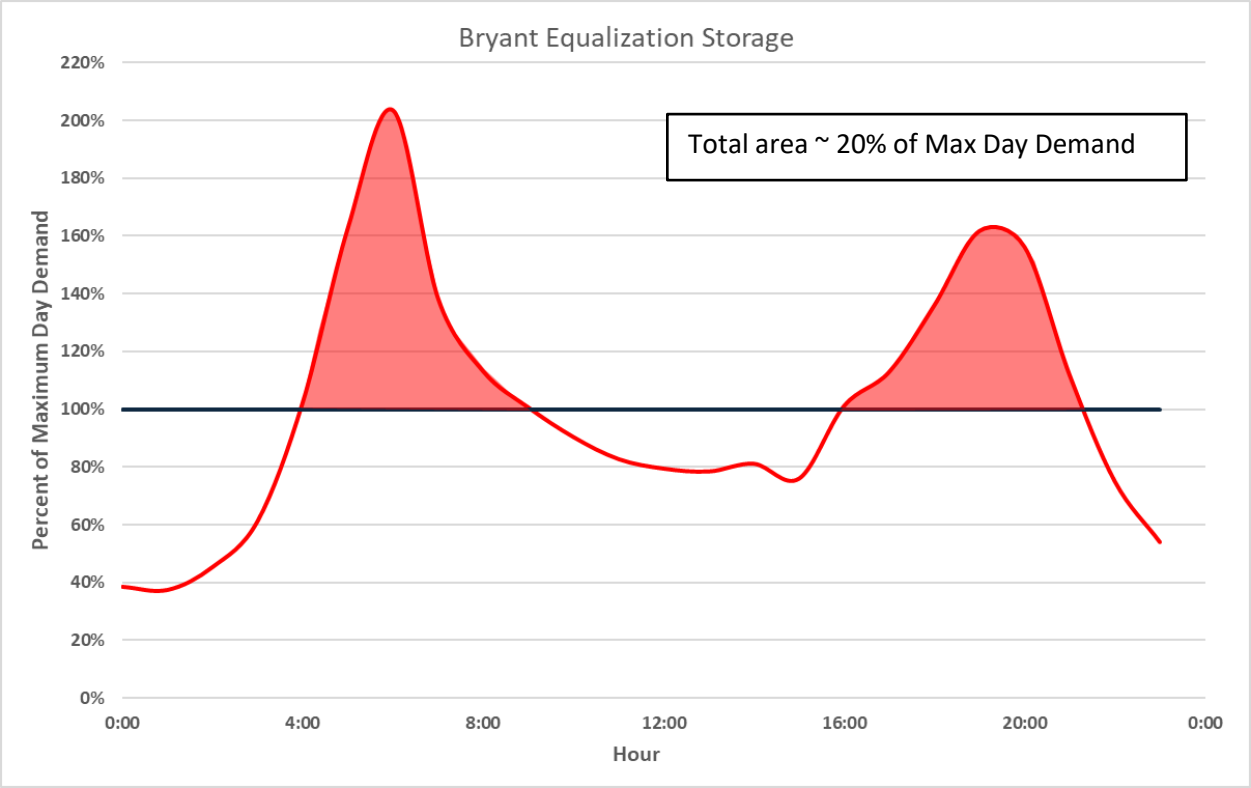


Figure III-7: Bryant Equalization Curve

Table III-3: Equalization Storage Requirements

Bryant, Arkansas	
Year	**REQUIRED EQUALIZATION STORAGE (GALLONS)**
2024	620,000
2030	740,000
2040	900,000
2050	1,060,000

2. Fire Storage

Fire storage refers to the water required to meet fire flow requirements. Typically, minimum fire storage is allocated based on the largest fire demand anticipated within the pressure zone. The required rate of flow must be able to be sustained for a particular duration; the rate and duration yield a required volume. It is recommended that the City of Bryant provide a fire flow storage equal to a 3500 gallon per minute fire for a 3-hour duration, or 630,000 gallons.

Figure III-8: Fire Hydrant

3. Emergency Storage

In addition to equalization and fire storage, emergency storage should be available to provide a supply of water in the case of a power outage or other prolonged interruption of service. It is recommended that the City of Bryant provide a minimum amount of storage of least a 6-hour emergency storage reserve for prolonged interruptions of service such as power outages, pump failures, or main breaks. **Table III-4: Emergency Storage Requirements** shows the emergency storage requirements for the Bryant water distribution system.

Table III-4: Emergency Storage Requirements

Bryant, Arkansas	
Year	**REQUIRED EMERGENCY STORAGE* (GALLONS)**
2010	775,000
2015	925,000
2020	1,125,000
2025	1,325,000
* Equal to maximum day demand x 0.25 (6-hour reserve)	

4. Total Storage

Table III-5: Total Storage Requirements shows the total storage requirements for the Bryant water distribution system, combining equalization storage, fire storage and emergency storage.

Table III-5: Total Storage Requirements

Bryant, Arkansas	
Year	REQUIRED STORAGE* (GALLONS)
2024	2,025,000
2030	2,295,000
2040	2,655,000
2050	3,015,000
* Equalization + Fire + Emergency Storage	

Table III-6: Additional Storage Requirements shows the additional recommended storage requirement for the Bryant water distribution system.

Table III-6: Additional Storage Requirements

Storage Requirements			
Year	Total Storage Required (gallons)	Total Storage Available (gallons)	Additional Storage Available (gallons)
2024	2,025,000	3,342,316	1,317,316
2030	2,295,000	3,342,316	1,047,316
2040	2,655,000	3,342,316	687,316
2050	3,015,000	3,342,316	327,316

IV. Hydraulic Analysis

A. HYDRAULIC ANALYSIS

Hydraulic analyses of the City's water distribution system under present conditions as well as a number of possible future conditions were performed. Each analysis utilizes information such as pipe size, pipe length, roughness coefficient, ground elevation and water demand in order to accurately model the characteristics of the water system. The goal of the analysis is to identify possible system improvements such as additional pipeline, additional storage, and additional pumping capacity that will provide sufficient water volume and pressure for anticipated system demands.

The hydraulic analysis of the City's water distribution system was created using INFOWATER^{TM}, a graphical water distribution modeling software package. INFOWATER is database-driven, Windows-based water distribution analysis software that provides a complete graphical user interface while running within the ArcMap for Windows environment. After a simulation, the program generates detailed user-defined output reports, graphics (e.g., color–coded network maps, contour lines), and customized tabular reports as needed.

The INFOWATER software is based upon a numbering system of pipes, pipe junctions, valves, pumps, and water storage tanks. Detailed characteristics of the system are required by the program in order to accurately recreate the operation of the system. Pipe information (diameter, roughness coefficient), junction information (demands, ground elevation), pump characteristics (pump curves), and water storage tank data (elevation, dimensions) are all needed inputs into the model.

Information concerning City's existing pipe network, water storage, and pumping facilities was obtained from site visits, record drawings, atlas maps, GOOGLE Earth, construction maps, City GIS files, and City Utilities Department employees. This information included pipe relationships, pipe material, pipe length, and pipe diameters. Demands within the system were estimated using past water consumption records and projections of future demands. Water demand information was supplied from WaterScope by Metron, the automatic meter reading manufacturer, and the City billing department.

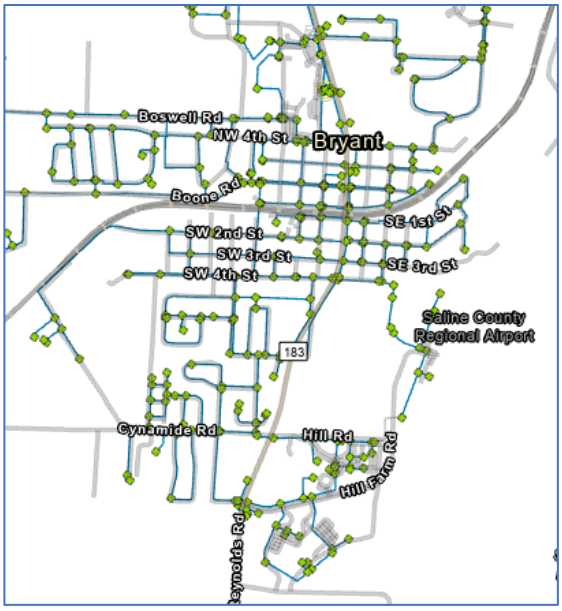


Figure IV-1: Bryant Hydraulic Model

B. Demand Allocation

The City of Bryant supplied the CAW purchased water production records from which the historical maximum day demand was established. The City of Bryant supplied a detailed customer account list for the water customers via Water Scope that included meter numbers and meter addresses for each meter. Utilizing the two sources of data, dates were chosen to represent an average day demand, and maximum day demand. Two weeks each for summer and winter usage were compared and combined to ensure data validity. The maximum day demand was produced from the week in which the maximum demand day occurred.

The water usage data included residential, commercial, irrigation, industrial, and wholesale customers. The raw data supplied by Metron over the period included several “no read” meters for each day. “No read” meters are meters that did not have a consumption value on one or more days obtained from the sample period. This no read meter could be due to either no usage, or a meter that was not installed until after the data was recorded.

In order to minimize the gaps present in the raw data, the maximum reading for each meter over the sample period was used to develop the demand allocation. For example, if a meter read a consumption value on one day out of the week sample period, the maximum consumption value recorded for that meter was used.

To account for the demand missing from the no read meters, difference between the total estimated demand and the recorded demand was then distributed evenly between all the “no read” meters for that customer class. This was also performed if there were any discrepancies in the GIS address location from the customer address provided by WaterScope where joining the data could not be performed. If a meter in the GIS layer did not match a demand provided by WaterScope, the usage was geolocated by address and not meter location and that location was utilized.

After the merger of data was completed and analyzed, the average and maximum day demand usage data specific to each meter was geolocated into the hydraulic model. The meter locations are shown in **Figure IV-2: Bryant Meter Points.**

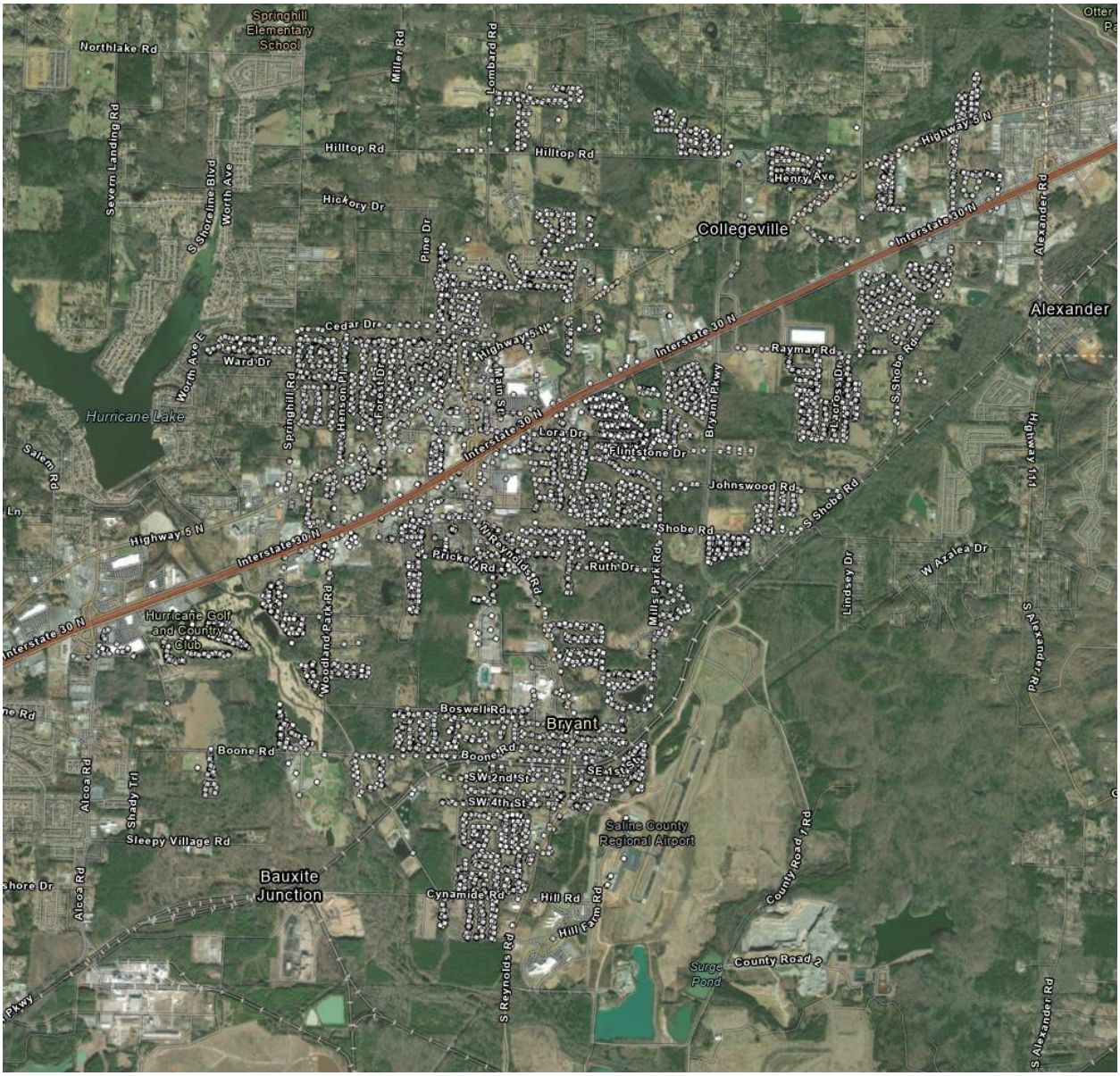


Figure IV-2: Bryant Meter Points

Hydraulic analyses of the water system included computer models for the water system demand in 2024, 2030, 2040 and 2050. Demand conditions for each model included average day and maximum day.

Demand curves were generated for each customer class for each scenario utilizing hourly reads of the same week sample periods used for customer usage and resulted in average and maximum demand curves for each meter.

The typical demand curves shown in **Figure IV-3: Max Day Demand Pattern** and **Figure IV-4: Average Day Demand Pattern** were applied to the respective scenarios to simulate conditions typical of Bryant for the given periods.

Once the overall usage for the demand periods was compiled, the data was converted from MGD demand values to an hourly peaking factor over the week which was utilized in the model as a demand pattern.

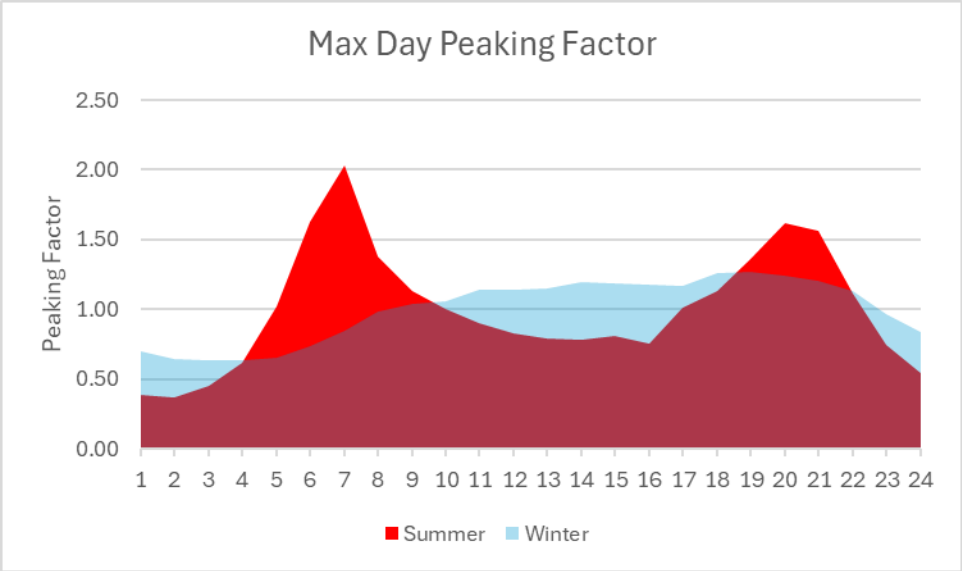


Figure IV-3: Max Day Demand Pattern

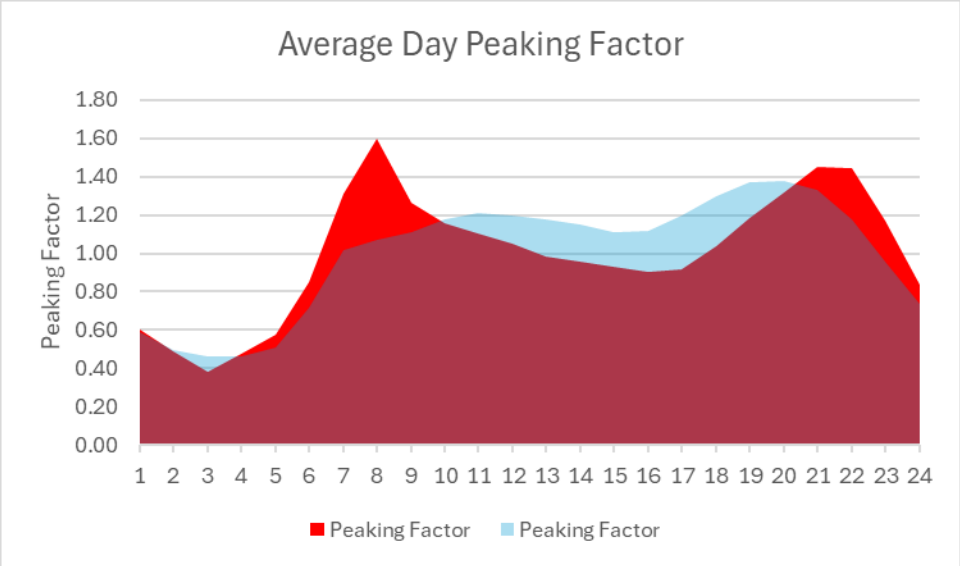


Figure IV-4: Average Day Demand Pattern

Woodland Hills is a customer of the City of Bryant through a master meter located along Shobe Road. Their demand was incorporated into the model using an intermittent 330 GPM flow rate as shown in **Figure IV-5: Woodland Hills Demand Pattern.**

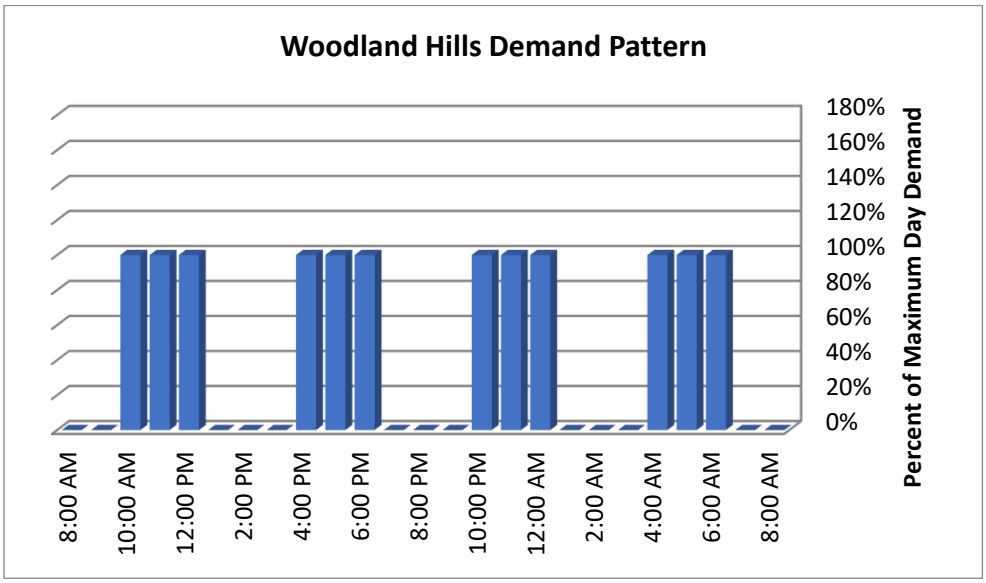


Figure IV-5: Woodland Hills Demand Pattern

C. DESIGN CRITERIA

An important factor within a water distribution system is service pressure. Service pressures within a distribution system in the range of 40 pounds per square inch (psi) to 80 psi are considered ideal. Pressures above 100 psi are not desirable because of the limitations of most common household appliances. The maximum pressure occurs when the system consumption is the lowest. Service pressures below 40 psi are undesirable, although occasional drops in isolated areas to as low as 20 psi (Arkansas Department of Health) can be tolerated. The proper use of pressure zones can help alleviate pressure problems.

Pressure fluctuation is the difference in pressure between maximum-hour and minimum-hour conditions at any location in the system. Large pressure fluctuations should be avoided to provide good service to the customers within the system. Fluctuations of 20-30 psi are considered acceptable. Head losses in distribution mains in the range of 2 to 5 feet per 1,000 feet of pipe are generally accepted. The maximum allowable velocity is most commonly 5 feet per second for pipes.

Fire flow simulations are made throughout the system to determine fire flow capabilities. Fire flow requirements are defined for different parts of the distribution system, such as 1,500 gpm for residential areas of the City and 2,000 gpm for commercial areas of the City. The computer model will simulate a fire at any user defined time of the simulation. For the purposes of this study, each fire flow was simulated at 100% of maximum day demand.

The above stated design criteria are used to determine the weaknesses in the current system and make improvements to correct them. Multiple options are simulated before a preferred option is chosen.

D. EXISTING SYSTEM SIMULATION

A 48-hour simulation based upon 2024 average day and maximum day demand conditions was initially made to determine deficiencies within the existing system. The simulation was based on a maximum day demand of 3.1 MGD as shown in **Table II-2: Water Demands**. The 2024 maximum day demand curve from the model is shown in **Figure IV-6: Maximum Day Demand**.

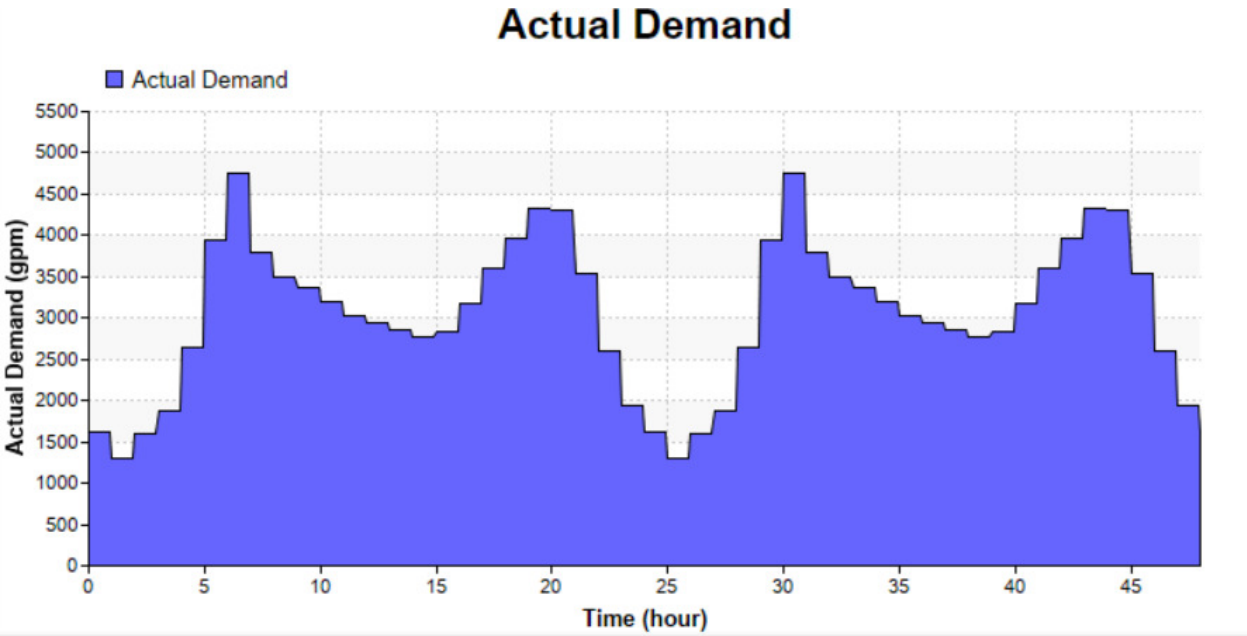


Figure IV-6: Maximum Day Demand

The model indicates that there are significant headloss problems in many parts of the system. This is a sign of a "bottleneck" problem where water lines are stressed with an overwhelming amount of flow. Velocities are also high in this area.

One such bottleneck in the system is the 8-inch water line along Highway 5 between Stoneybrook Drive and Market Place Avenue. This line experiences high velocities and high headloss and is contributing to the north tank's slow fill rate. This water line is connected to the 12-inch transmission main that runs along Highway 5 and turns north along Stoneybrook toward the north tank.

The results of the analysis of the existing system also indicated that the 8-inch transmission line along Woodland Drive from Prickett Road to the south 1-MG tank experiences high velocities and high headloss at times. This water line provides water to fill the south tank.

In addition, other various gaps in the distribution system were identified. These represent situations where the hydraulics could be improved with the installation of a short pipe connection. One such location is along Debswood Drive between South Shobe Road and Neal Street. This is an approximate 1,000 foot gap between the 6-inch water main along South Shobe Road and the 6-inch water main along Neal Street. This connection would ease water transmission through the distribution system from the north to the south.

Another location where a short connection could improve hydraulics is along Lowery Lane. Currently, there is no water line along Lowery Lane between Highway 5 and Robinwood Circle. Closure of this gap would increase water flow to and from the north tank. This connection would also increase fire flows in the area.

There is currently no water main along Sunset Meadows Drive between Highway 5 and Sunset Gardens. There is a 350 foot gap along Sunset Meadows Drive between an 8-inch water main along the north side of Highway 5 and a 6-inch water main at Sunset Gardens. This water line would increase fire flows in the area as well as provide another flow path for water to and from the north tank.

E. Fire Flow

Under maximum day demand conditions, an additional fire flow demand was applied at every junction that had a 6-inch or larger diameter pipe connected to it. This added fire flow demand simulates the water usage during the event of a fire. Fire flow simulations are typically used to pinpoint areas within a system that are subject to low volumes of available flow during a fire event.

Figure IV-7:Fire Hydrant

After reviewing the results of the available flow at each junction during a fire, the areas with poor available flows were identified. These areas were examined and compared with the low flow hydrants that had been previously identified by the Fire Department to confirm model accuracy and discover where loops could be added to improve the available flow.

Insurance Services Office (ISO) Commercial Risk Services, Inc. rates cities on their ability to provide fire protection services. Included in the rating process are the fire department's capabilities and the capability of the water system to deliver prescribed quantities of water to specific locations over a specific length of time. The current ISO rating criteria recommends the maximum needed fire flow cities should provide is 3,500 GPM for a duration of three hours dependent on the size and composition of the structure.

Figure IV-8: Fire Flows less than 1,500gpm shows areas were identified as not meeting the ISO requirements for the City's ISO 1 rating. The locations identified contain fire flows of 1,500 GPM or less.

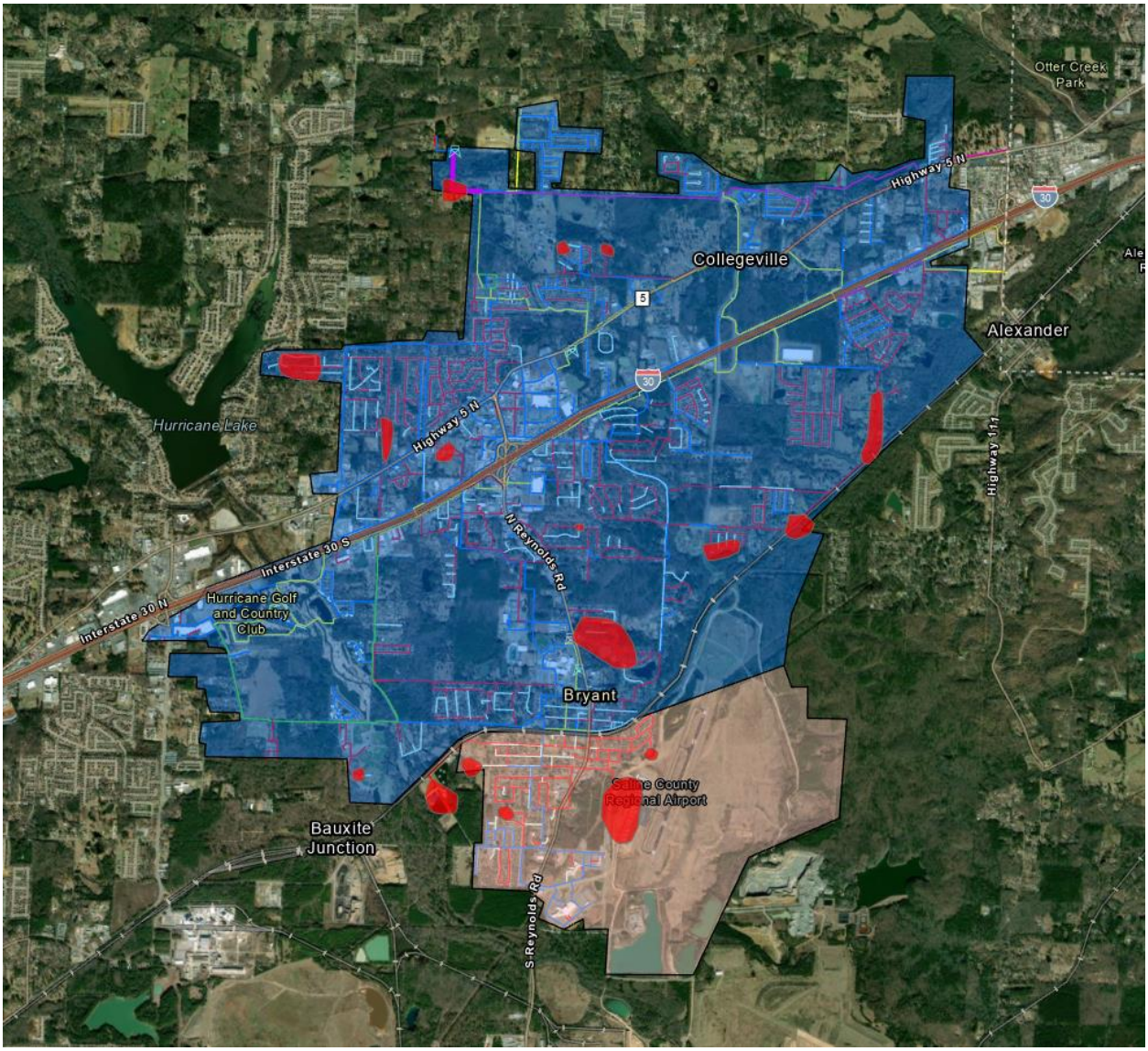


Figure IV-8: Fire Flows less than 1,500gpm

F. CAW and SRPWA Water Source Evaluation

Currently Bryant has an allocation of 4.0 MGD through CAW. For near term design, it will be assumed that all supplied water will be provided through CAW. It is expected that by 2030, SRPWA's allotment of 2.0 MGD will be available, and based on preliminary engineering, a distribution tank site and transmission into Bryant via one of two proposed options are shown on **Figure IV-9: Potential SRPWA Connection** and **Figure IV-10: Potential SRPWA Connection - Alternate**

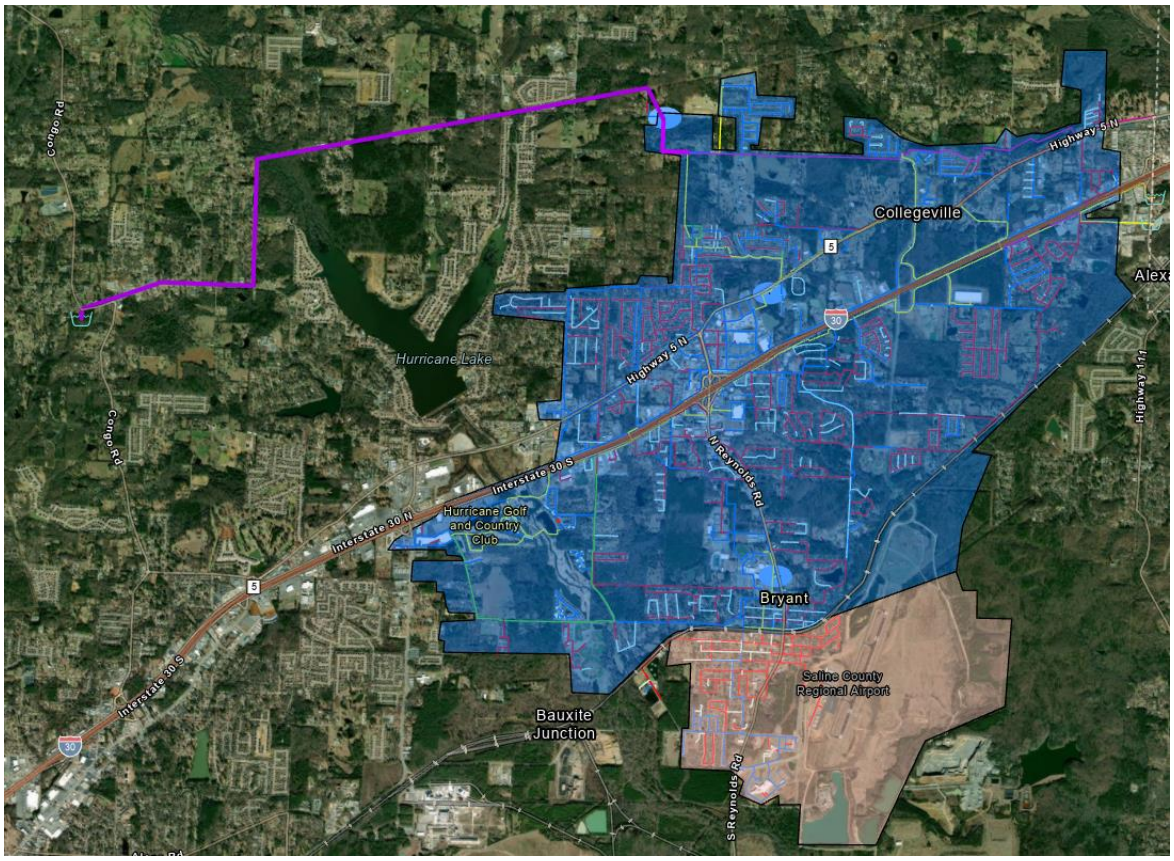


Figure IV-9: Potential SRPWA Connection

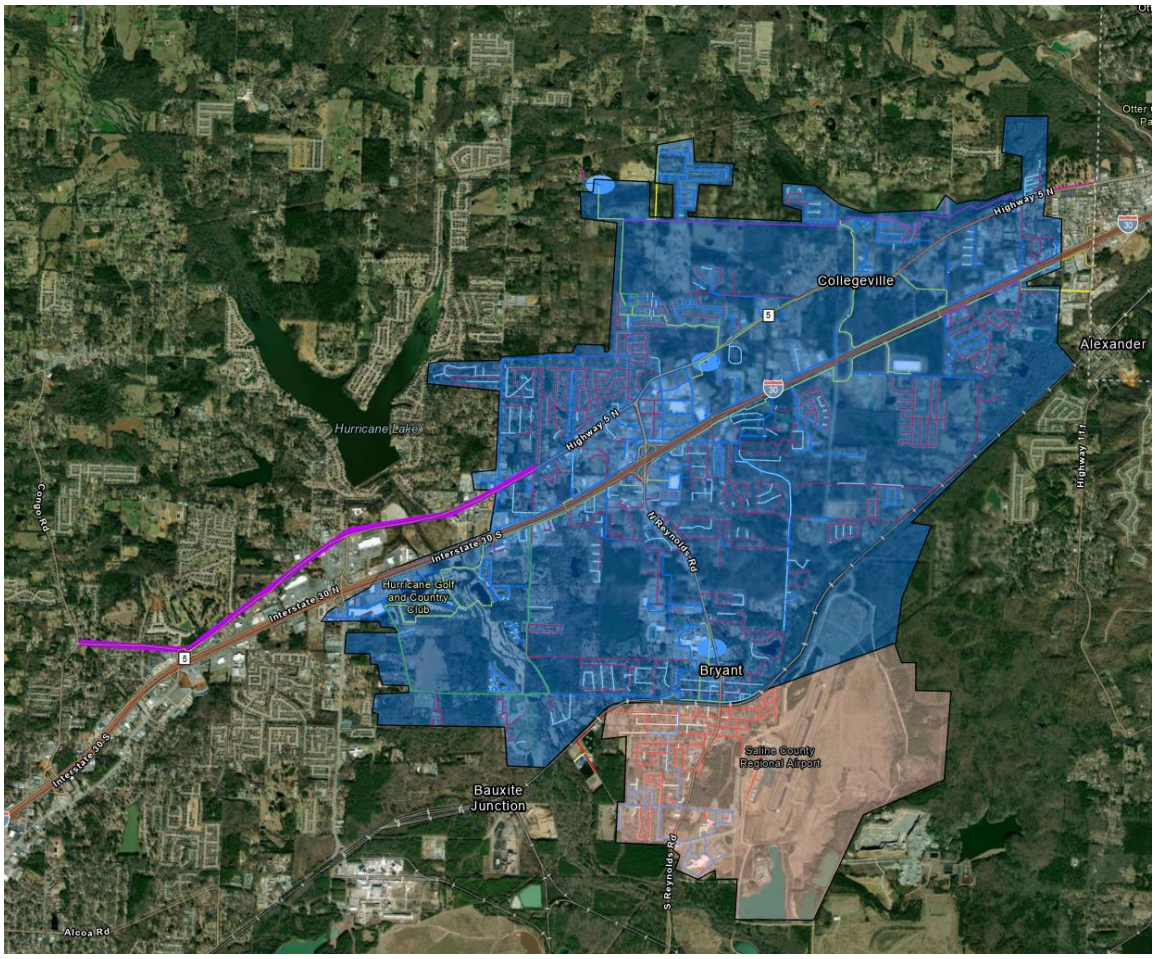


Figure IV-10: Potential SRPWA Connection - Alternate

The assumptions made for modeling are that the CAW booster pump station will be capable of providing a maximum of 5.0 MGD to the system with the existing two pumps and distribution system, and 7.8 MGD if the pump station is expanded to three pumps and 12 inch lines downstream of the pump station are upsized to 16-inch lines to the tanks to allow for less head loss between the pump station and tanks.

The assumptions made for SRPWA water supply will be that the distribution tank will supply at 700 feet of head elevation and that the water will flow by gravity into Bryant's distribution system. In the event the capacity, pressure, or location of the SRPWA connection does not match the currently projected design, further evaluation will be required in the form of a Master Plan update.

1. CAW Only Scenario

In the scenario that CAW is the only source of water to Bryant, all water demands would need to be provided via the two existing meter locations. The existing pump station pumps would be capable of providing 5.0 MGD to the system continuously. An additional pump installed would

allow for 6.7 MGD, and installing a parallel 16-inch waterline from the pump station to the 2-million gallon tank as well as an additional 12-inch waterline from the central tank to the south tank would provide the system with a 7.8 MGD Capacity. This would provide flows to the system into 2050.

2. SRPWA Only Scenario

In the scenario that Bryant receives all of its water supply from SRPWA, improvements would be required to allow for the water to flow from north to south or west to east, as currently the system is balanced flowing from east to west.

This would require large line upgrades of an 18-inch waterline from the North Tank at the SRPWA proposed water meter to the Highway 5 Tank and an additional 16-inch waterline from the Highway 5 Tank to the South Tank in order to balance flows across the system in the first SRPWA connection scenario.

With the alternate route for SRPWA connection, an 18- inch line would be required to extend from the connection site at Springhill and Highway 5 to the Highway 5 tank and a 12- inch extension from Highway 5 Tank to the South Tank as well as other improvements indicated in the improvements section along Springhill Road and along Boone Road. With these upgrades, the system would be capable of receiving up to 9 MGD from SRPWA continuously with the additional capacity being used to wheel wholesale water to customers as explained further below.

3. SRPWA Average Demand with CAW Peak Capacity

The third scenario involves receiving a base flow from SRPWA of 2 MGD in 2030, to 4 MGD in 2050. Any additional water needed would involve utilizing the existing booster pump station at CAW meter to supplement the system. This would still require line upgrades in 2040 in order to exceed 3 MGD, those being an additional waterline from the north tank to the central tank, and an additional water line from the central tank to the south tank. Utilizing both water supplies would allow for water to balance head across the system and CAW meter station at 5 MGD plus 4 MGD from SRPWA would be capable of providing the system and its wholesale customers water beyond 2050. This scenario would result in the best system hydraulics long-term therefore is the recommended scenario to pursue.

4. Wheeling Wholesale Water to Consecutive Systems

The proposed plan for SRPWA connection includes a potential necessity of Bryant to provide water to additional customers via wheeling water through its system to the other utilities. Currently Bryant provides wholesale water to Woodland Hills. Additional connections to the Shannon Hills and East End systems would be required to provide water to those communities from SRPWA. SRPWA would bear the cost of any improvements needed to convey water through Bryant and to these communities. The total average day demand usage of wholesale water from these systems combined is approximately 1.6 MGD.

a) Woodland Hills

Bryant currently provides water to Woodland Hills and would not require any additional infrastructure to accommodate the water to Woodland Hills at the expected demand of 100,000 to 150,000 gallons per day.

b) Shannon Hills

Shannon Hills is located East of Bryant. Shannon Hills has an expected demand of 500,000 to 750,000 gallons per day. An extension from the 12-inch waterline along I-30 near Millbrook Dr to Shannon Hills would be required in order to provide water to Shannon Hills. There is currently sufficient infrastructure within Bryant to provide water to the 12-inch connection location.

c) East End

East End is located south-east of Bryant. East End has agreed to water in the amount of 850,000 to 1,275,000 gallons per day from SRPWA. An extension from Bryant near South Reynolds Rd and Hill Farm Rd to East End via Sardis Rd would be required to provide water to East End. Within Bryant water system, a 12-inch waterline extension from the 12-inch along Renyolds Rd and Rich St to the connection point at South Reynolds Rd and Hill Farm Rd would be required to allow demands to be met within the system. The 16-inch extension recommended from Highway 5 Tank to the new South Tank would also be required to meet the full demands of Bryant and East End combined.

V. System Improvements

The system improvements were evaluated based on hydraulic modeling of average and maximum day demands for the current system, and the system demands in years 2030, 2040, and 2050. Based on these scenarios, improvements were developed and separated in near, mid, and long term improvements. Near-term improvements are improvements that are most needed to meet the needs of the system within 0 – 10 years. Mid-term improvements look at improvements that will be needed to meet system demands in the 10 – 20 year range. Long-term improvements look at improvements needed to meet the 20+ year range of demands and are based on service to customers, reliability, and fire flow demands. The improvement timeframe recommendations can change based on new construction, street projects, and other system changes that may require long term improvements to become higher priority.

A. Near-Term Improvements

1. 609 Pressure Zone Expansion / Removal of South Pressure Zone

Several customers within the South Pressure Zone have experienced low pressure issues, specifically at the Hill Farm Elementary. In a review of the system service elevations, current customers within the South Pressure Zone have similar service elevations to the lower elevations within the North Pressure Zone. Replacing the South tank (540 overflow elevation) with a tank at elevation 609 feet to match the North Pressure Zone would result in an increase of approximately 30 psi. This pressure increase would result in pressures up to 120 psi within the South Pressure Zone and is within allowable working pressures of the existing system infrastructure. One issue that could arise from this conversion is ensuring customers do have pressure reducing valves on their service lines prior to increasing pressure to ensure the pressure is within acceptable limits for fixtures and faucets. Below is a list of the improvements needed to complete the pressure zone conversion.

a) Improvement1: 1.5 Million Gallon Tank @ N. Reynolds / High School

Removal of the 1.1 million gallon South Tank and replacement with a 1.5 million gallon composite elevated tank at service elevation 609' with a head range of 45 feet to match the existing 2.5 million gallon tank on Highway 5. The 1.5-million-gallon sizing of an elevated tank would equate to approximately 1,000,000 gallons in additional useful storage, allowing for sufficient storage for the future while converting the entire system to 1 pressure zone and resolving low pressure issues within the South Pressure Zone.

b) Improvement 2: Boone Road 12-inch Extension

Once the South Pressure Zone is brought to match the overflow elevation of the North Pressure Zone pressures, a connection can be made between the 12 inch on Boone Road with the 10 inch waterlines on Woodland Park Road and Boone Road. This 5,000 foot extension would allow for more flow into the south area of Bryant and allow the Highway 5 Tank and new South Tank to better float together.

2. System Fireflow and Reliability Improvements

a) Improvement 3: Springhill South of I30 to Highway 5 – 16-inch Extension

Bryant currently has three crossings along Interstate 30; an 8-inch near Hunter Lee Pkwy, a 16-inch at Market Place Ave, and a 12-inch near Prickett Rd. There is not an interstate crossing on the west side of Bryant, and it is recommended that a 16-inch be installed across I-30 to connect the 12-inch south of I-30 to the 8-inch waterlines along Highway 5 for a total length of 2,100 feet. The recommended line sizing of 16- inch is to better prepare for future line improvements needed for when SRPWA begins to provide water to Bryant.

b) Improvement 4: Woodland Hills Metron Meter and Vault

Currently, the Woodland Hills wholesale connection utilizes a meter owned by Woodland Hills and is not metered via an advanced meter capable of recording water usage through WaterScope. It is recommended that Bryant install an Advanced Metering Infrastructure (AMI) meter to be capable of recording usage data on this meter, allowing better information on flows to Woodland Hills.

c) Improvement 5: Airport Road to Hill Road – 8 inch Extension

Airport Rd currently does not have sufficient fireflow to meet system demands. Hill Rd currently has low pressure during maximum day demands. Looping these two lines via an 8-inch 900 ft extension would both increase pressure to the schools at Hill Rd and allow for better fireflow at the Airport.

d) Improvement 6: Bryant Pkwy, Raymar Rd to Johnsonwood – 8-inch Extension

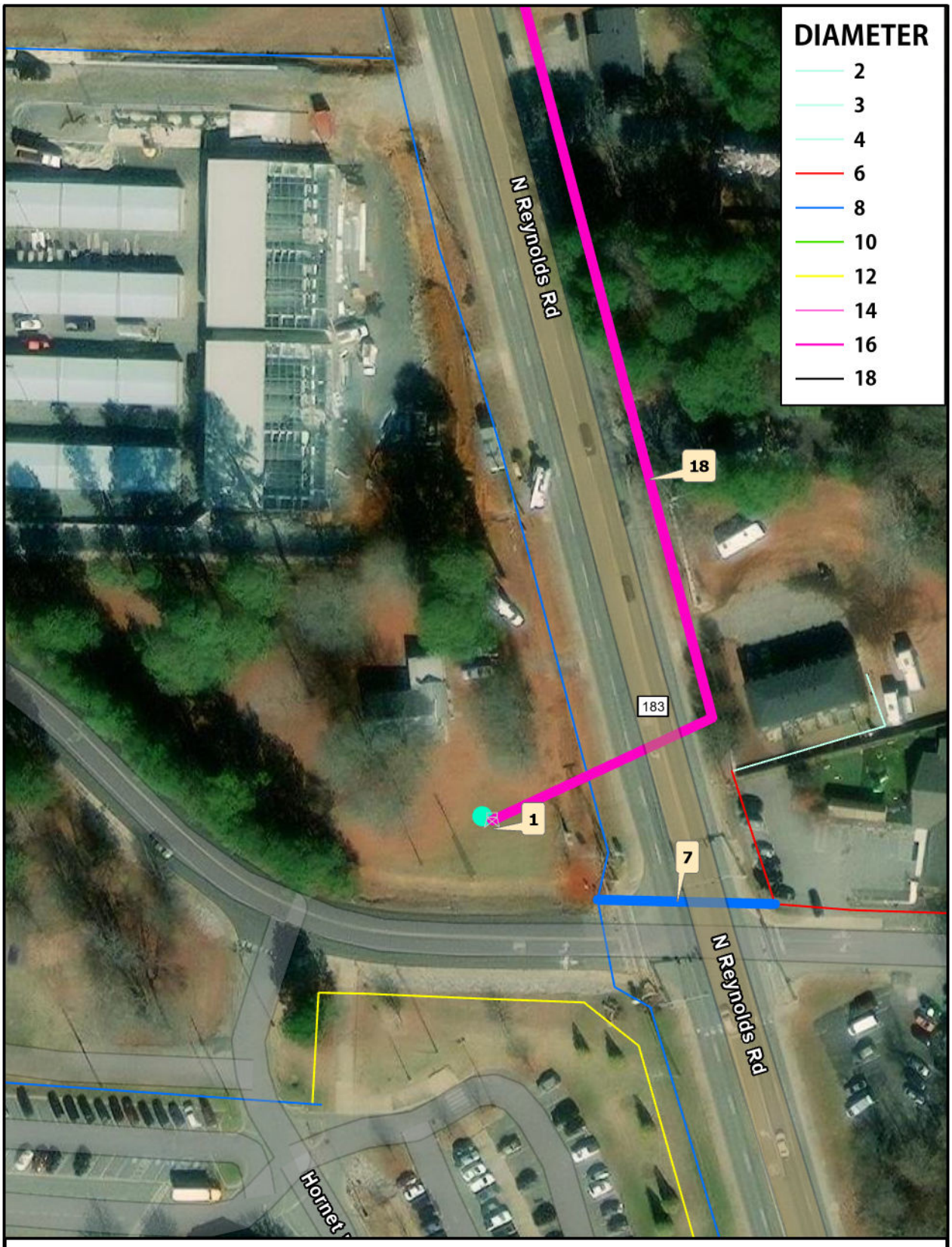
Currently Bryant does not have a waterline extending along Bryant Pkwy. An 3,700 ft extension along Bryant Pkwy would improve fireflows along Shobe Rd and Cherry Creek Cir, where fireflow was noted to be less than 1,000 gpm in some areas. This would also allow for better flows into the Woodland Hills wholesale meter.

e) Improvement 7: North Reynolds Rd at Rogers Rd – 8-inch Connection

Low fireflows and an extended dead end area were indicated by Bryant staff at Rogers Rd and Bristol Dr. These findings concurred with results shown by the model. A 100 ft 8-inch extension across N. Reynolds Road would allow for this section of the system to become looped. This would both improve fireflow in the Rogers Rd area and allow for the closing of valves in the area while maintaining water to customers in the event of a main break.

f) Improvement 8: Woody Dr to Steeplechase Cir – 8-inch Connection

Insufficient fireflows and an extended dead end area were indicated by the model along Woody Dr. A 400 ft 8-inch extension from Steeplechase Dr to Woody Dr would allow for this section of the system to become looped, improving reliability and fireflow.



DISTRIBUTION SYSTEM - IMPROVEMENT #1

1,500,000 GALLON TANK @ N. REYNOLDS ROAD

CITY OF BRYANT, AR

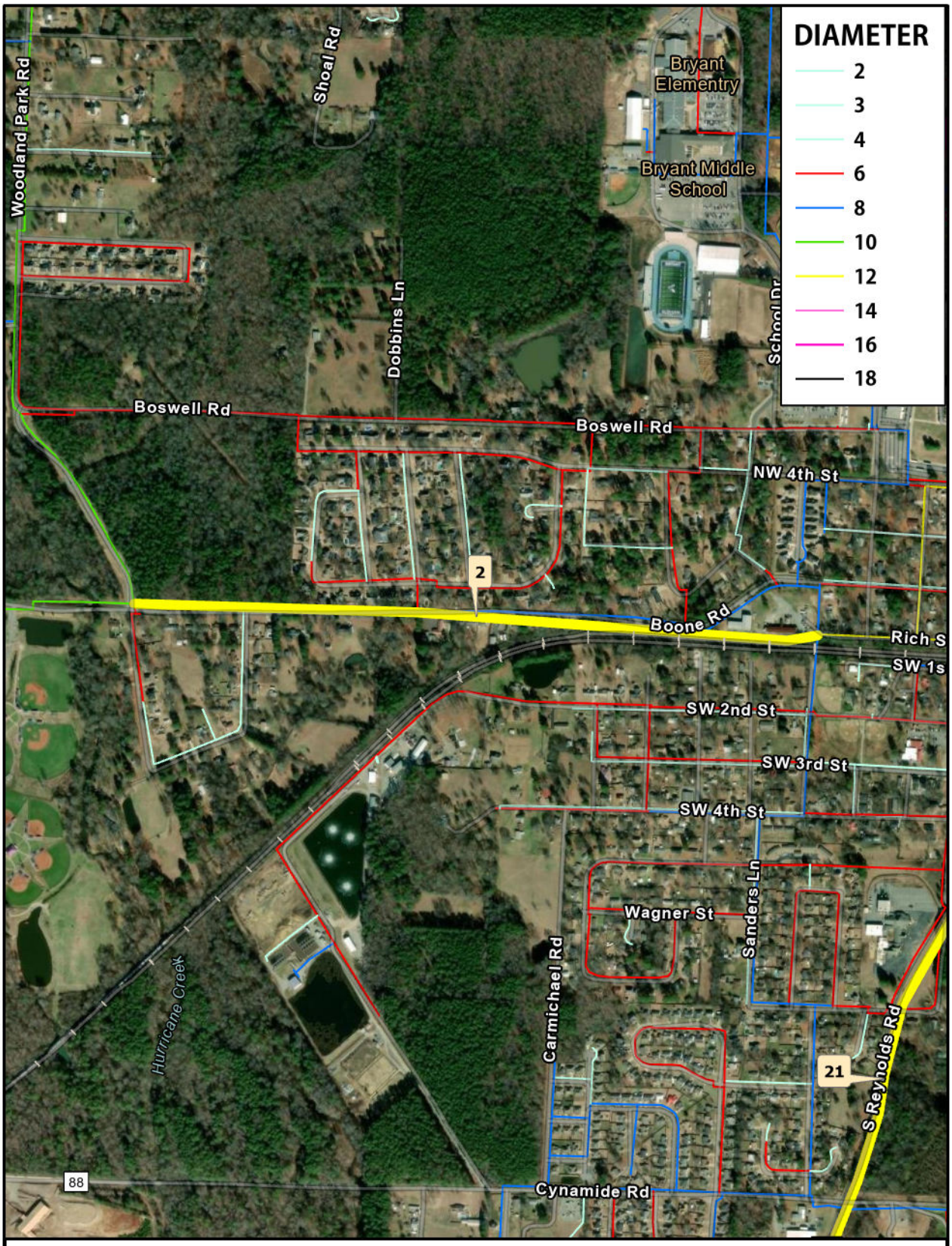
0 35 70 140

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #2

BOONE ROAD IMPROVEMENT

CITY OF BRYANT, AR

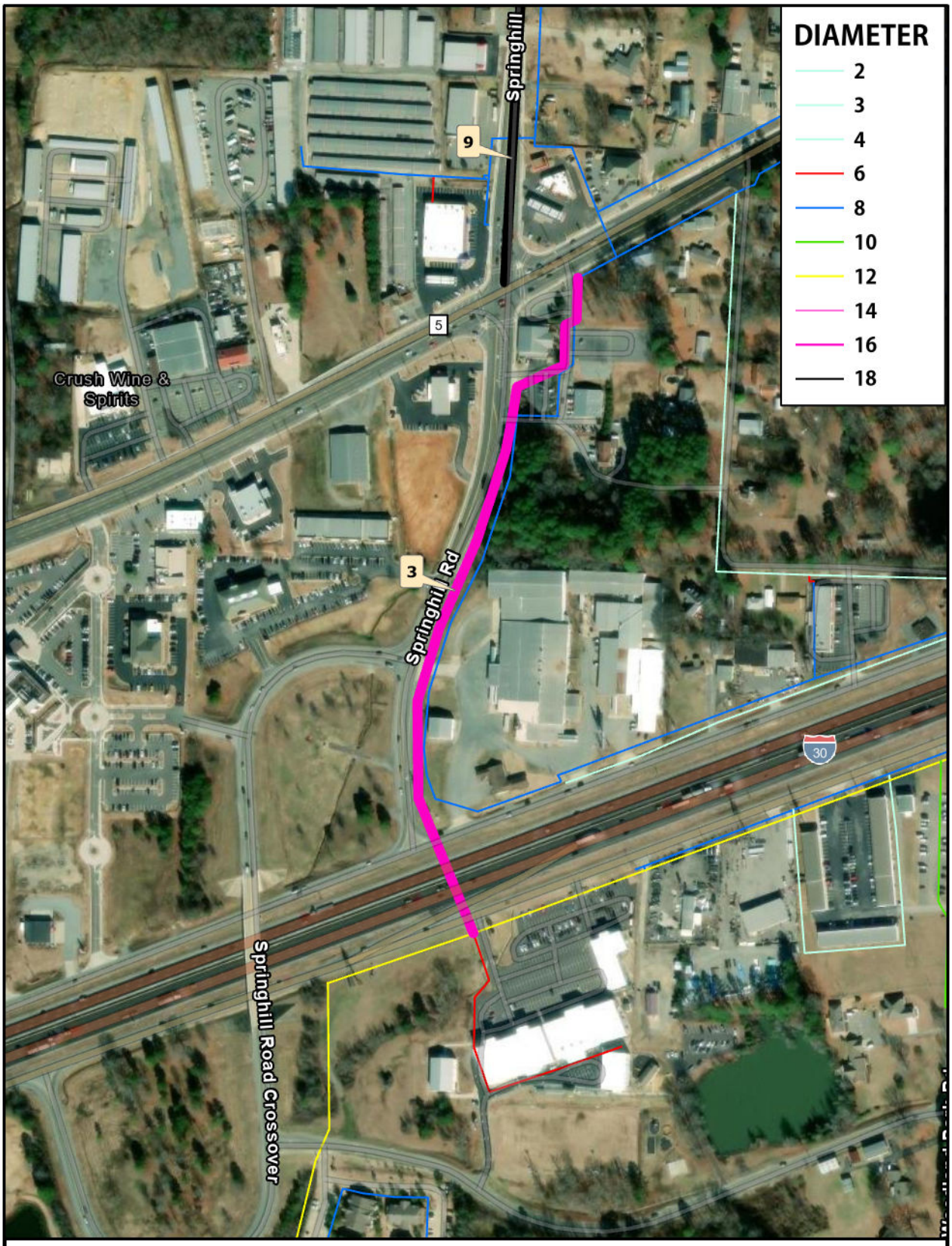
0 350 700 1,400

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #3

SPRINGHILL, I30 TO HIGHWAY 5 N

CITY OF BRYANT, AR

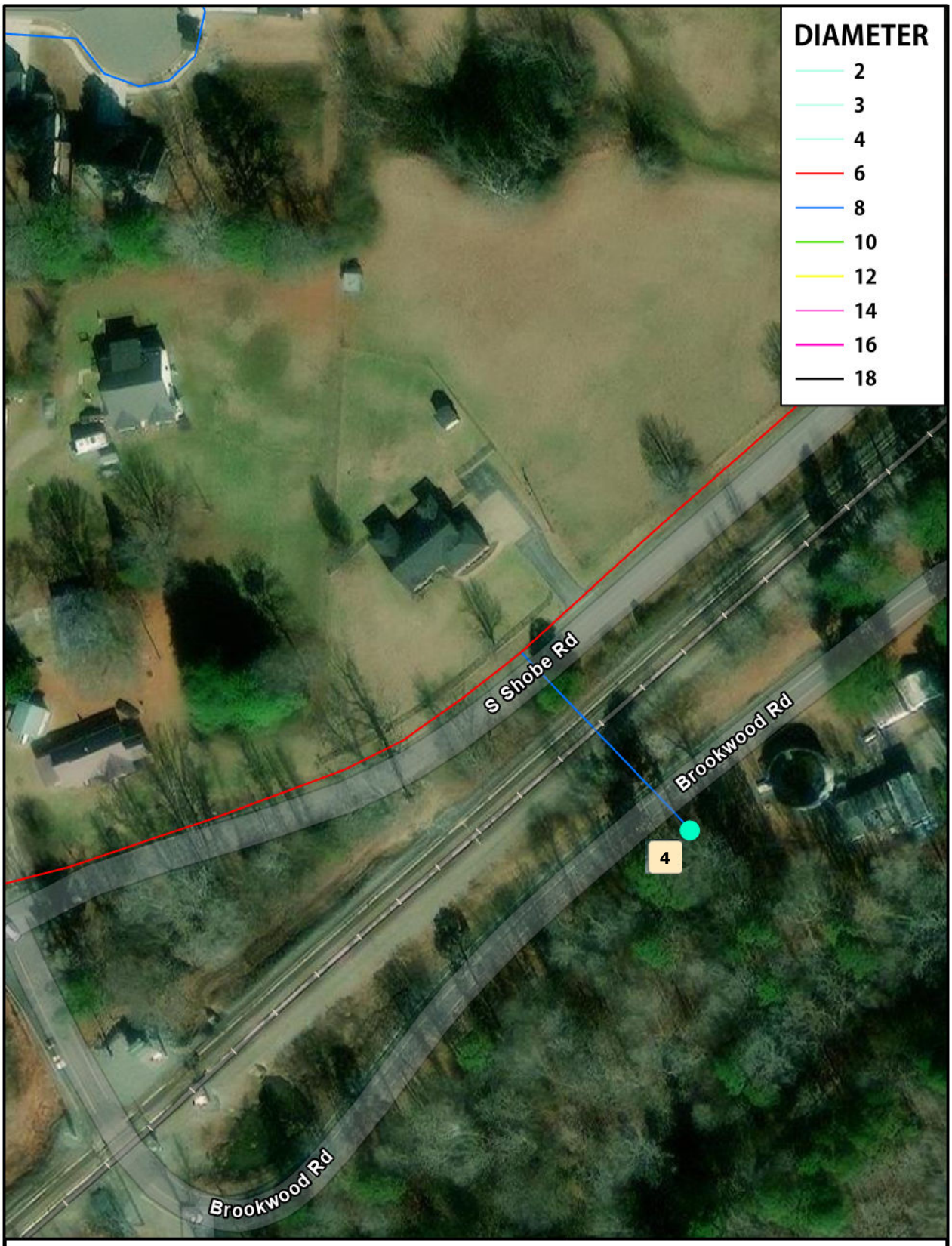
0 140 280 560

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #4

WOODLAND HILLS METRON METER AND VAULT

CITY OF BRYANT, AR

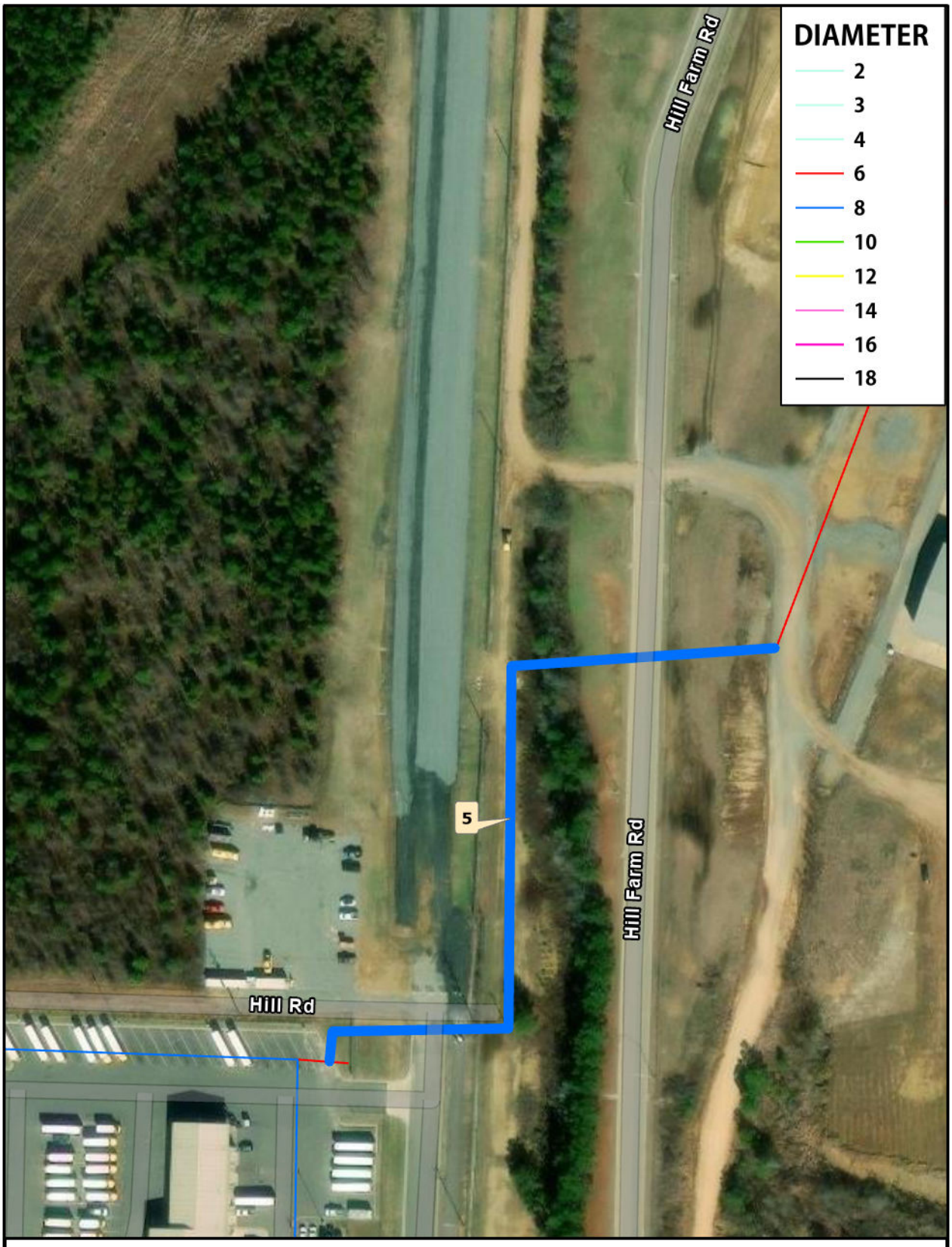
0 35 70 140

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #5

AIRPORT TO HILL ROAD

CITY OF BRYANT, AR

0 50 100 200

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024

DISTRIBUTION SYSTEM - IMPROVEMENT #6

BRYANT PKWY I30 TO JOHNSWOOD

CITY OF BRYANT, AR

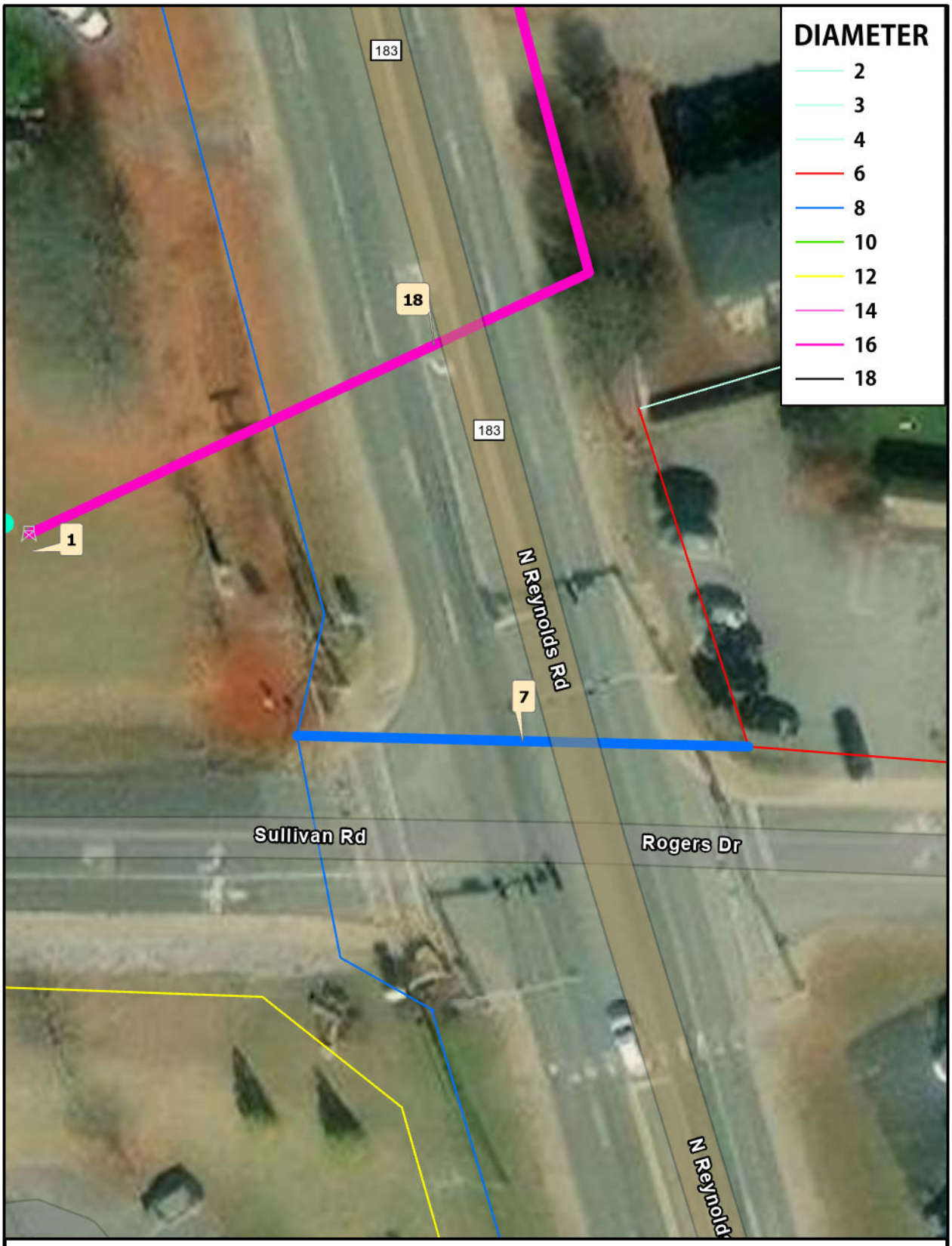
0 180 360 720

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #7

N. REYNOLDS RD AT ROGERS DR

CITY OF BRYANT, AR

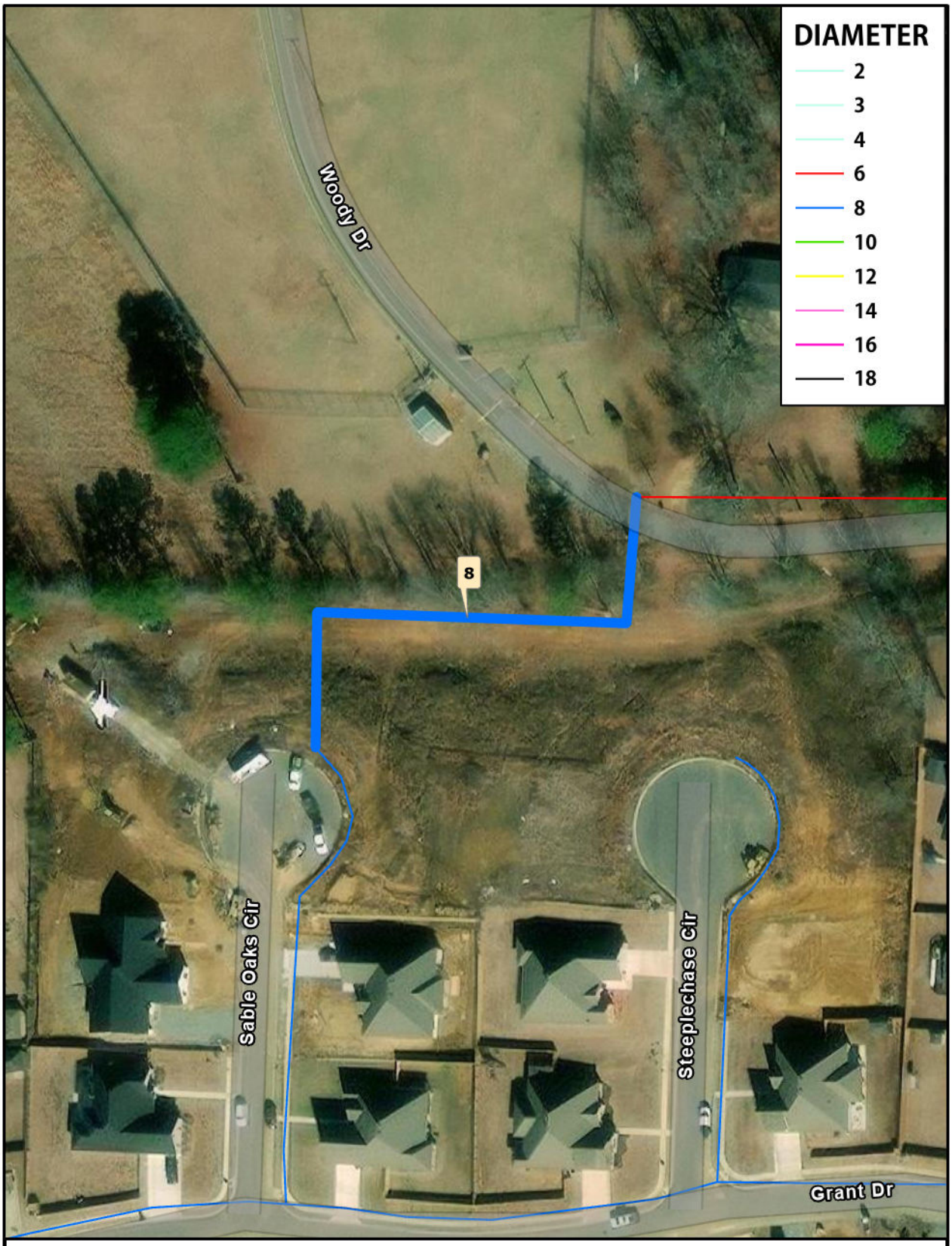
0 13 25 50

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #8

WOODY DR TO STEEPLECHASE CIR

CITY OF BRYANT, AR

0 35 70 140

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024

B. Mid-Term System Improvements

1. SRPWA Connection Improvements

When Bryant begins receiving water from SRPWA, improvements will be required to allow the water coming into the system to be transmitted throughout the system equally. This is discussed under IV.F CAW and SRPWA Water Source Evaluation on page 33. Improvements will also be required to allow the tanks to float along similar head ranges when water is received from the west or north.

a) Extension from SRPWA Connection to Hwy 5 Tank

This improvement involves one of two improvement depending on the SRPWA Connection Site.

i) Improvement 9: North Tank to Hwy 5 Tank

In the case the SRPWA water connection point is adjacent to the North Tank, an 18-inch waterline extension of 10,000 feet is required to allow the water incoming to fill the Hwy 5 tank via gravity.

ii) Improvement 9A: Springhill Rd to Hwy 5 Tank

In the alternate scenario that SRPWA water is provided along Hwy 5 at Springhill Rd, an 18-inch 12,000 ft extension is required from the meter to the Highway 5 Tank following Springhill Road and Cedar Dr is required to allow Highway 5 Tank to fill via gravity from SRPWA.

b) Improvement 10: Connection of Services Before CAW Pump Station along I-30

Currently, there are services that receive water from Bryant prior to the booster pump station at I-30 when receiving water from CAW. These services must be tied into the system or after the booster pump station or ensuring a means to bypass the pump station to ensure water is provided to these customers in the event the CAW meter is closed.

2. System Fireflow and Reliability Improvements

a) Improvement 11: Chlorination upgrades at CAW Booster Pump Station

The Booster Pump Station that allows water provided from CAW to fill the North Pressure Zone has concerns with its chlorination unit. The chlorination unit currently leaks which has caused corrosion to components inside the chemical room. It is recommended that the chlorination system be replaced in order to prevent further damage to the booster pump station structure in the event chlorine boosting is required on water received from CAW.

b) Improvement 12: Forest Dr and Highway 5 – 8-inch Interconnect 350

Two 8-inch waterlines currently dead end at Forest Dr and Highway 5. This improvement would connect the two dead end waterlines with the 8-inch waterline on the west side of Forrest Drive. This improvement would result in increasing available capacity to the area as well as reduce dead ends in the system, improving water quality.

c) Improvement 13: Debswood to Carywood Dr – 6-inch Loop

Model indicated deficient fireflows are located at the end of Neal St. Looping Carywood Dr and with Debswood Dr and Neal St with an 800 ft 6-inch extension would allow for fireflow demands to be met on Neal St. This would also improve system resiliency in the event of a main break, reducing the number of customers out along Debswood Dr and Neal St.

d) Improvement 14: Highway 5 to Lowery Ln – 8-inch Extension

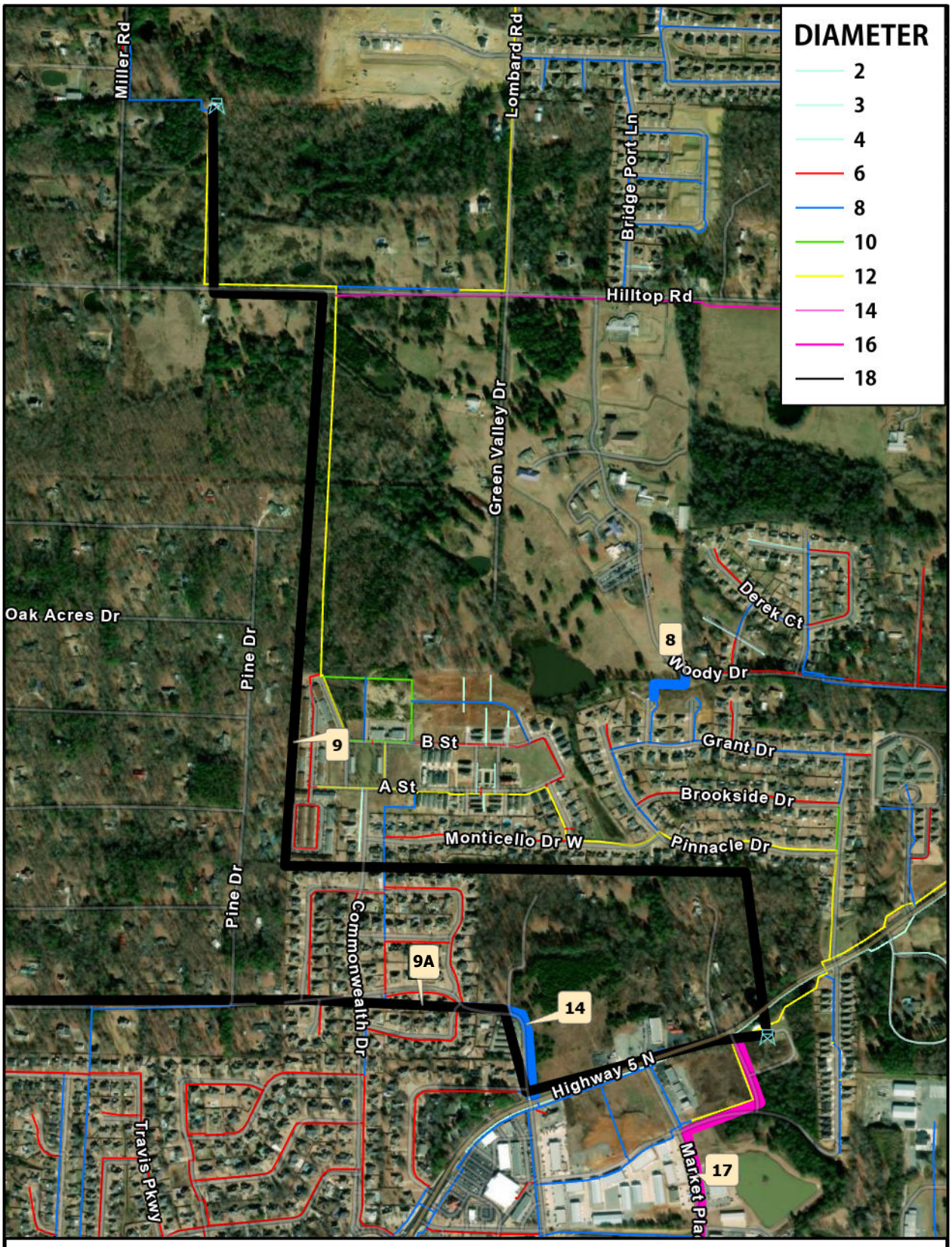
Highway 5 and Lowery Ln currently connect via a 2-inch waterline along Lowery Ln. It is recommended to install a 1,000 ft 8-inch waterline extension to connect Lowery Ln and Highway 5. This would provide a looped connection between Highway 5 and Lowery Ln.

e) Improvement 15: Sunset Meadows Dr – 8-inch Extension

This improvement involves installing a 350 ft 8-inch loop connecting Sunset Meadows Dr with Highway 5. This improvement is recommended for water quality on Sunset Gardens Dr as well as to increase reliability within the system by looping an existing dead-end waterline.

f) Improvement 16: Ward Dr – 6-inch Extension

Insufficient fireflows along Stivers Blvd and Ward Dr were indicated by hydraulic modeling. Extending the 6-inch along Ward Dr to Springhill Road would allow for a looped connection along these roadways. This extension involves 1,200 feet of 6- inch waterline to improve fireflows.



DISTRIBUTION SYSTEM - IMPROVEMENT #9

SRWRPA EXTENSION NORTH TANK TO HWY 5 TANK

CITY OF BRYANT, AR

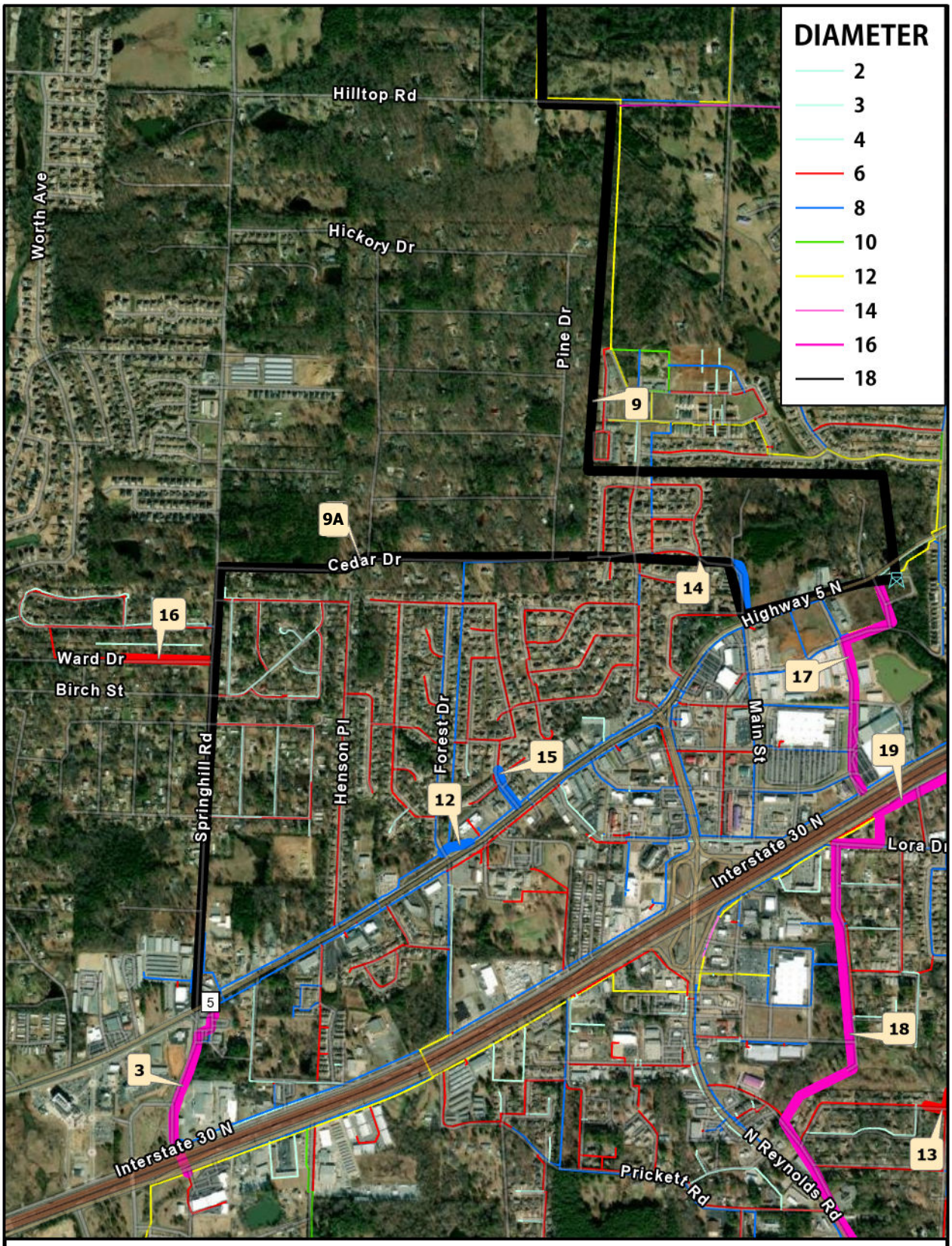
0 350 700 1,400

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #9A

ALTERNATE SRPWA EXTENSION TO HWY 5 TANK

CITY OF BRYANT, AR

0 500 1,000 2,000

Feet

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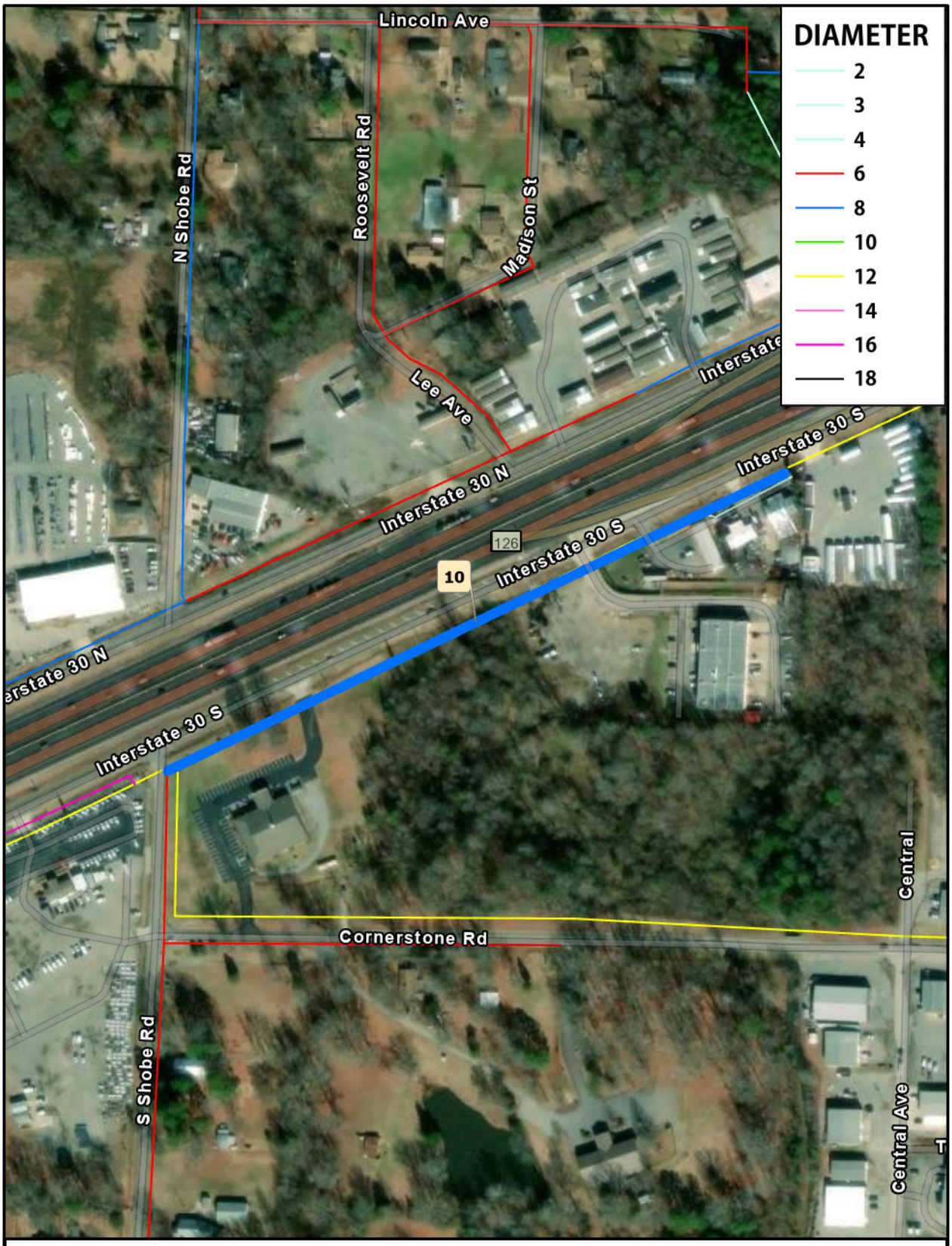
JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #10

CONNECT SERVICES BEFORE CAW PUMP STATION ALONG I30

CITY OF BRYANT, AR

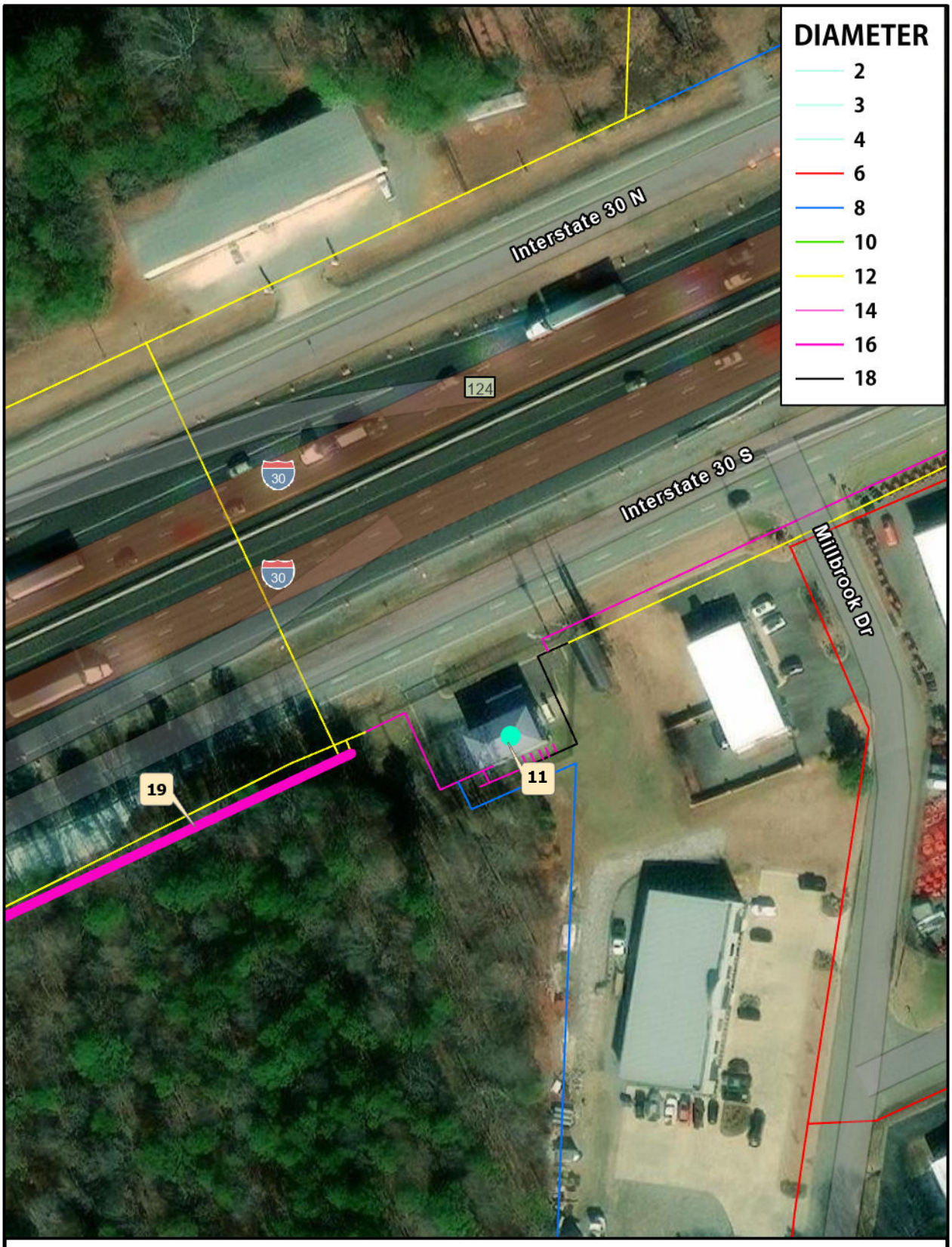
0 105 210 420

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #11

CHLORINATION UPGRADES AT BOOSTER PUMP STATION

CITY OF BRYANT, AR

0 35 70 140

Feet

CRIST ENGINEERS, INC.

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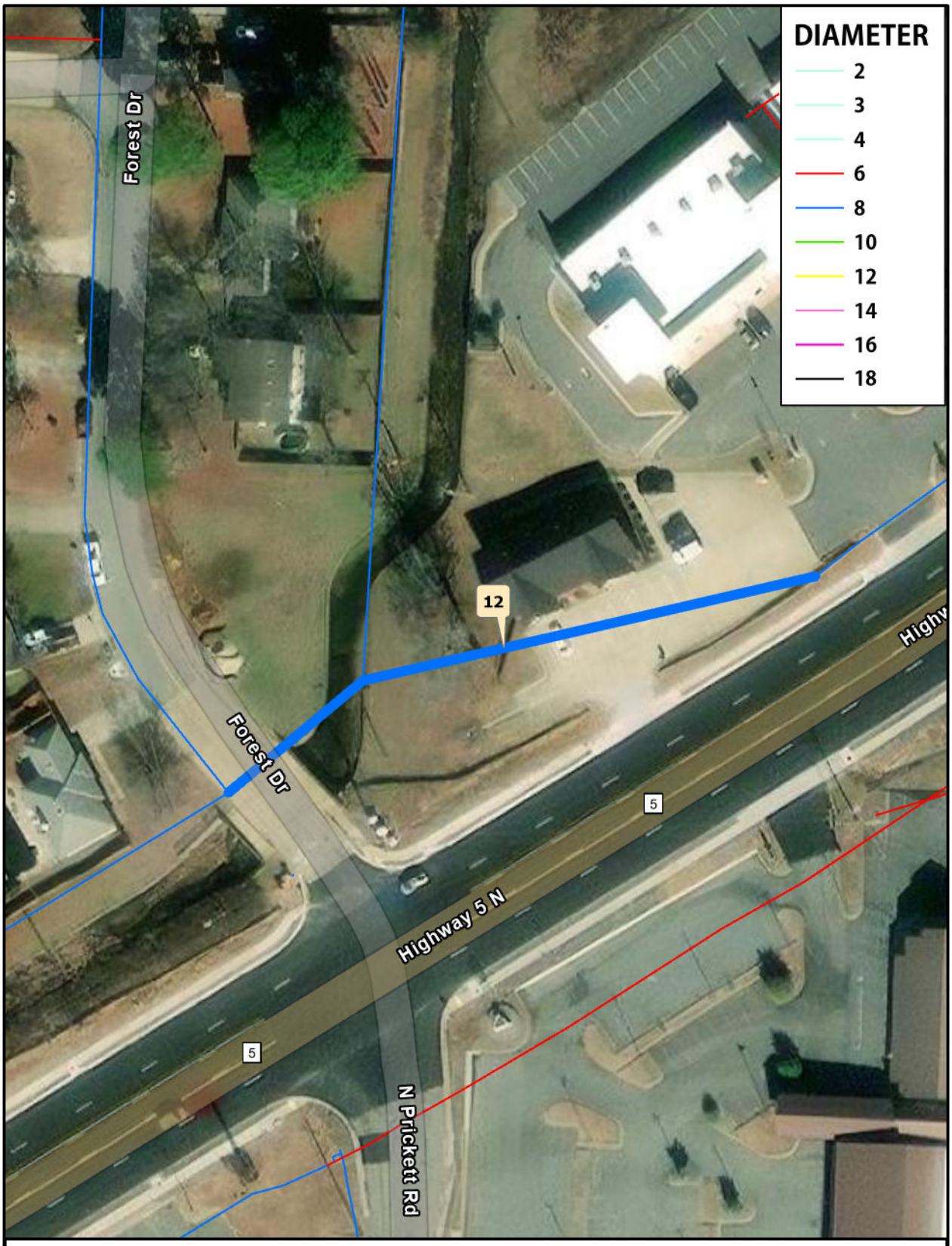
JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #12

FOREST DR AND HIGHWAY 5 N INTERCONNECT

CITY OF BRYANT, AR

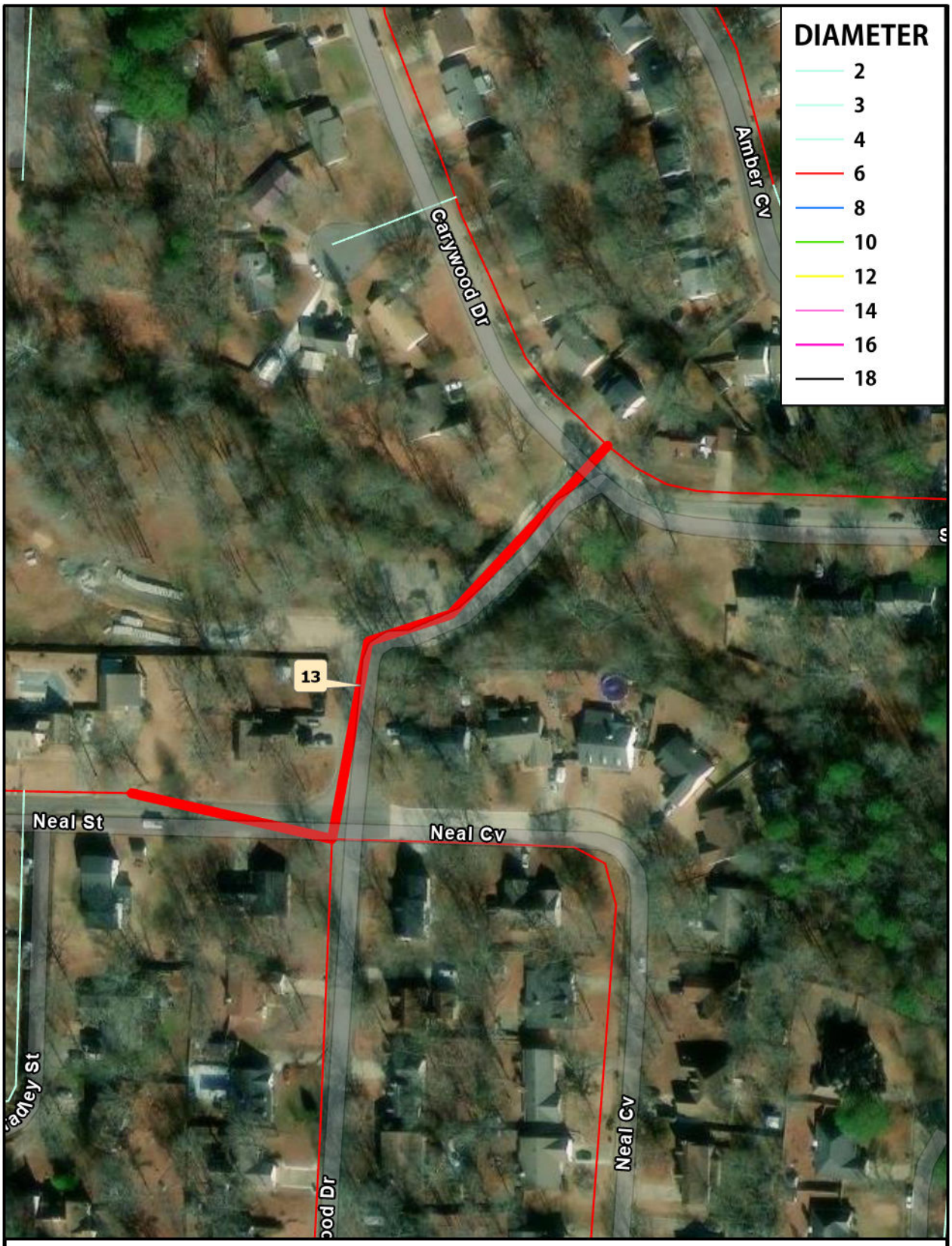
0 25 50 100

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #13

DEBSWOOD TO CARYWOOD DR

CITY OF BRYANT, AR

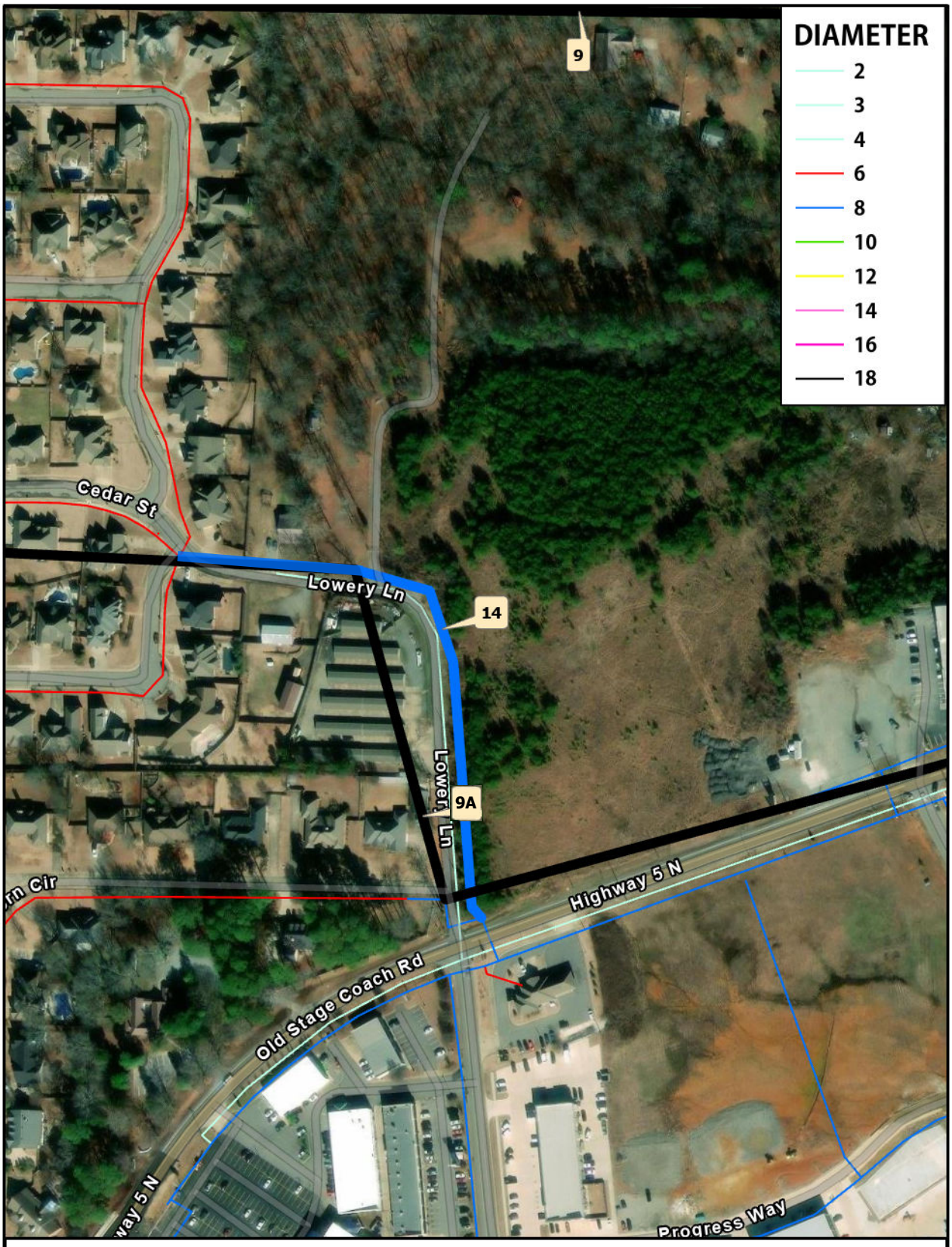
0 50 100 200

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #14

HIGHWAY 5 EXTENSION TO LOWERY LANE

CITY OF BRYANT, AR

0 90 180 360

Feet

CRIST ENGINEERS, INC.

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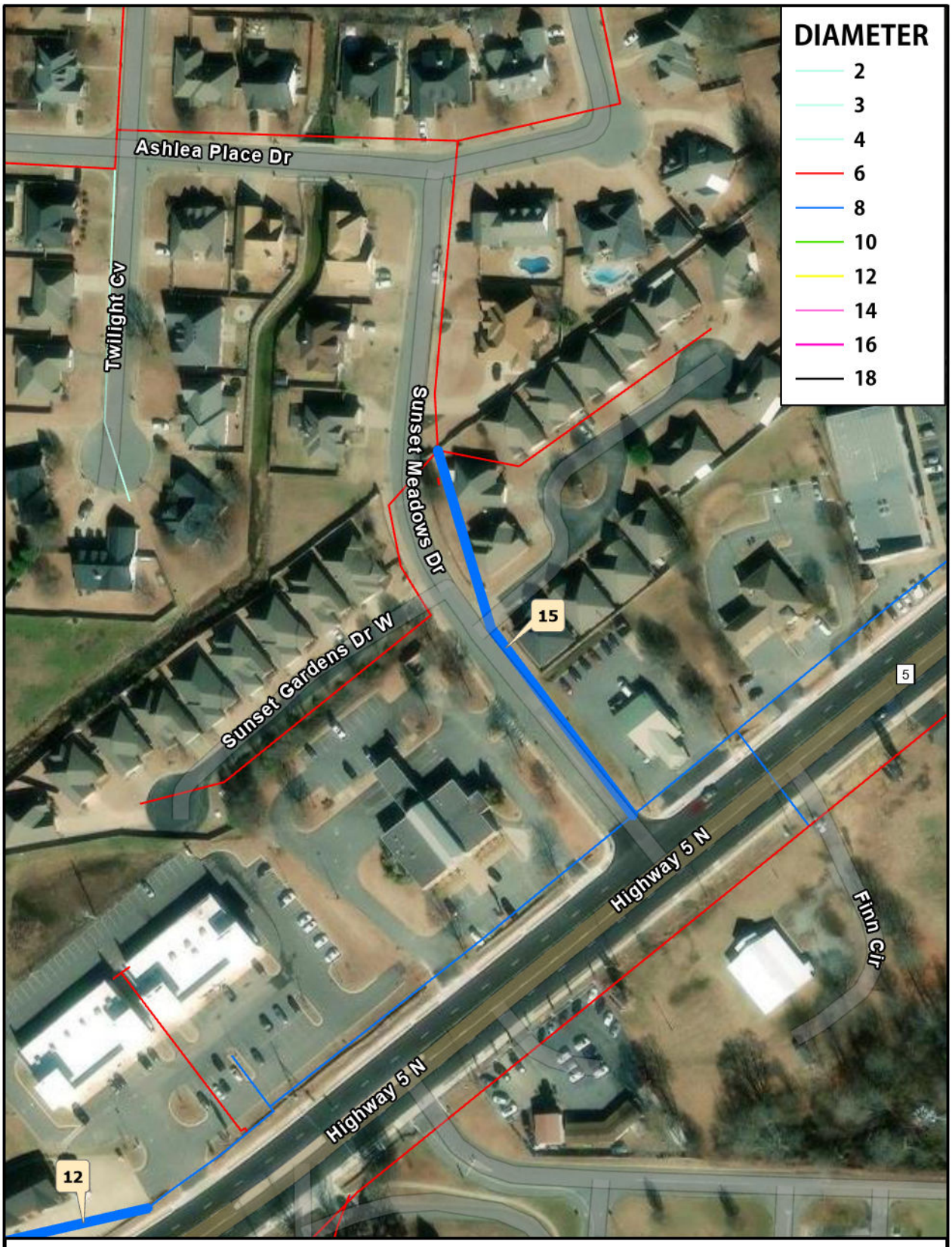
JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #15

SUNSET MEADOWS EXTENSION

CITY OF BRYANT, AR

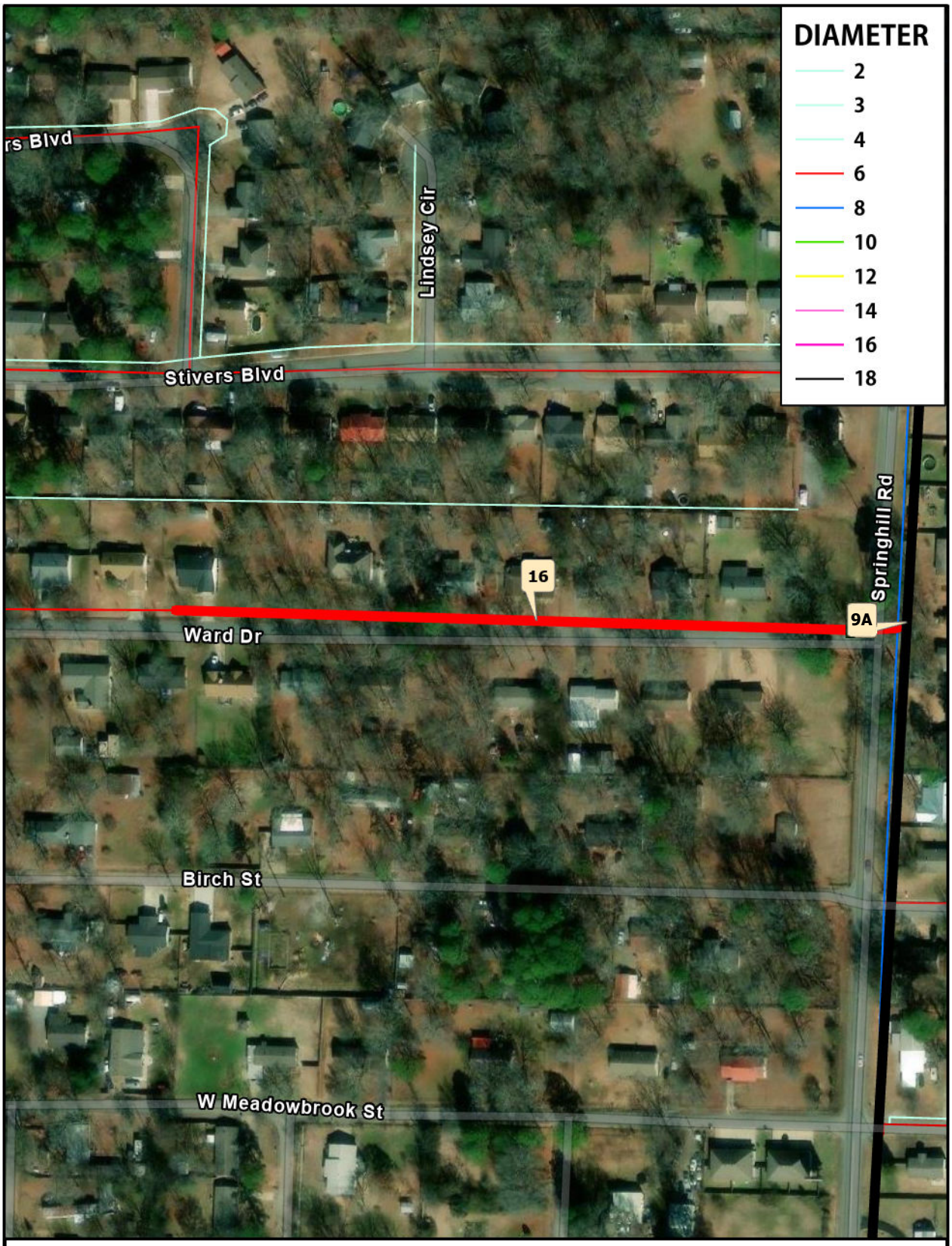
0 50 100 200

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #16

WARD DR EXTENSION

CITY OF BRYANT, AR

0 70 140 280

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024

C. Long-Term System Improvements

1. System Transmission Improvements

In order to meet Long Term Maximum Day Demands in Bryant's southern area as well as allow the Highway 5 and South tanks better match head and float together, improvements must be made to convey water between the Highway 5 Tank and South Tank.

a) Improvement 17: Hwy 5 Tank to south I-30 – 16-inch Transmission

This transmission improvement involves connecting Highway 5 Tank with the existing 12-inch waterline along Interstate 30 at Lora Drive. This 3,000 foot 16-inch transmission inclucing boring across I-30 would allow for more flow to be provided to the system south of Interstate 30.

b) Improvement 18: South Tank to I-30 – 16-inch Transmission

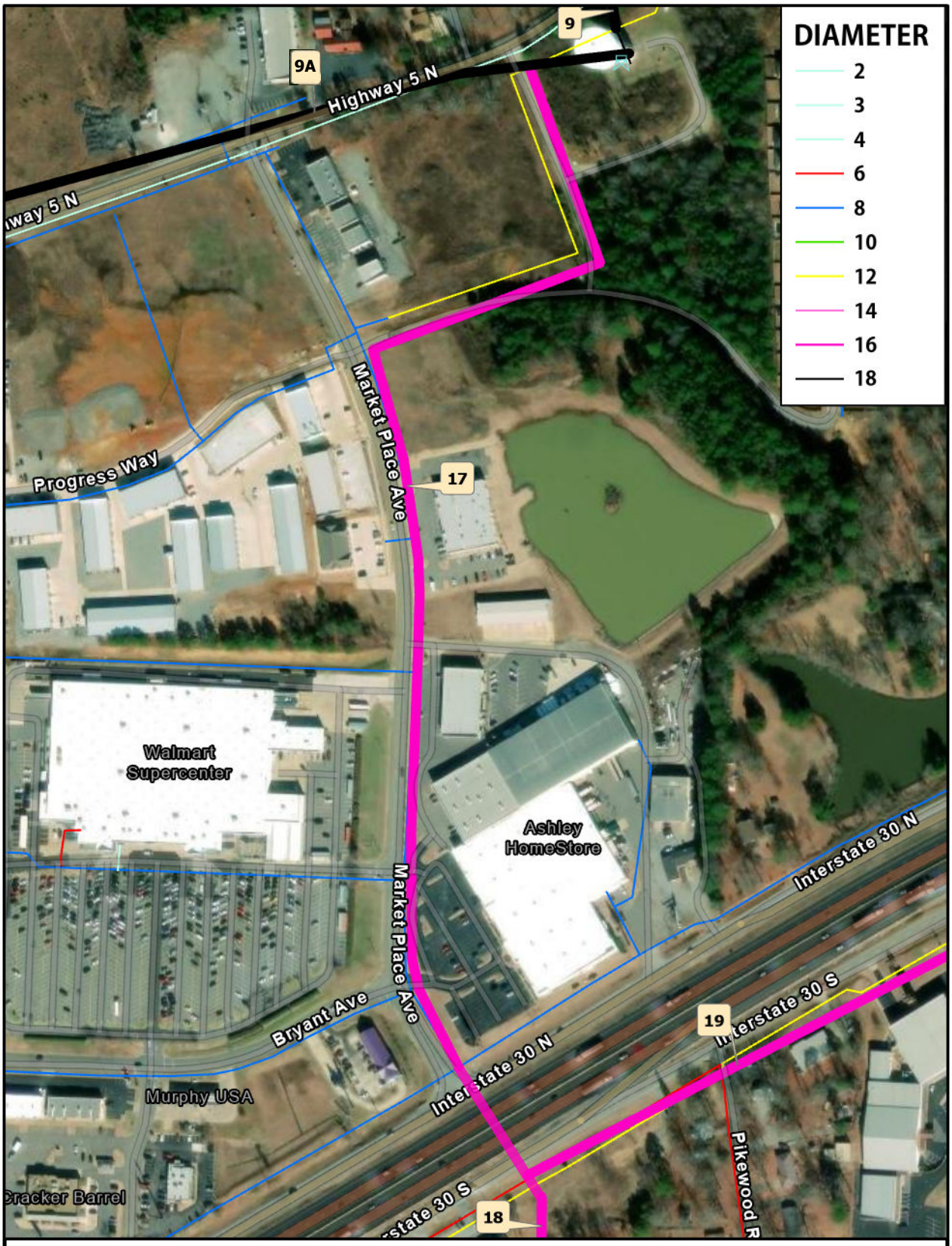
This transmission improvements involves extending the 16-inch transmission installed in the Hwy 5 Tank to south I-30 improvement to the South Tank. This connection would be required to meet long term demands within the south system and new demands brought on by connections to Shannon Hills and East End systems.

2. CAW Water Supply Improvements

In the event Bryant requires greater than 5.0 MGD from CAW, improvements must be made to increase flows from the booster pump station to provide water to the city. These improvements include installing a 10,000 ft 16-inch transmission line from the booster pump station to the new 16-inch transmission line installed at I-30 between the Highway 5 Tank and South Tank as well as installing a new pump within the booster pump station.

a) Improvement 19: Booster Pump Station to I-30 at Pikewood – 16-inch Transmission

b) Improvement 20: 75 HP Pump at Booster Pump Station



DISTRIBUTION SYSTEM - IMPROVEMENT #17

HWY 5 TANK TO I-30 CROSSING

CITY OF BRYANT, AR

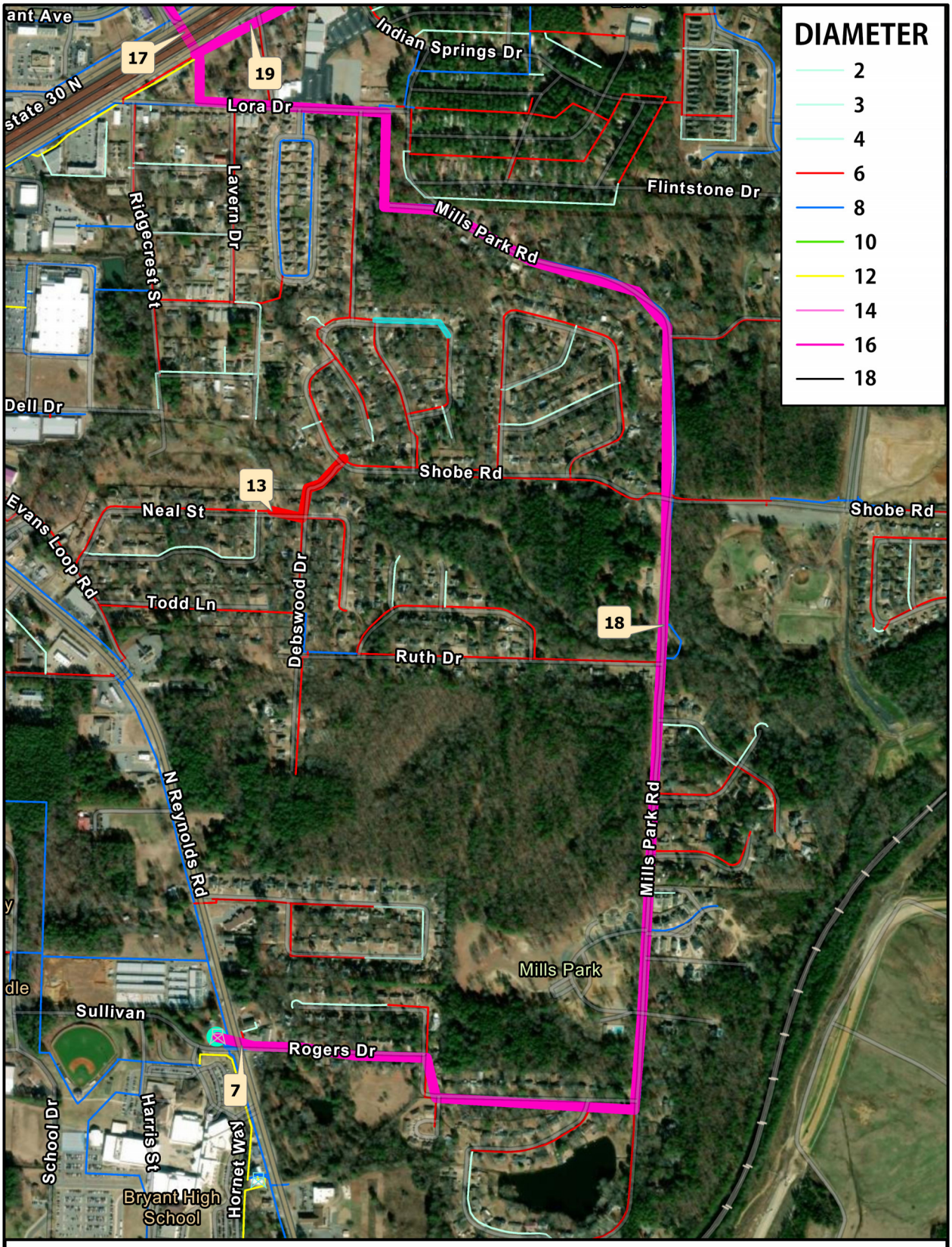
0 115 230 460

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #18

I-30 TO SOUTH TANK CONNECTION

CITY OF BRYANT, AR

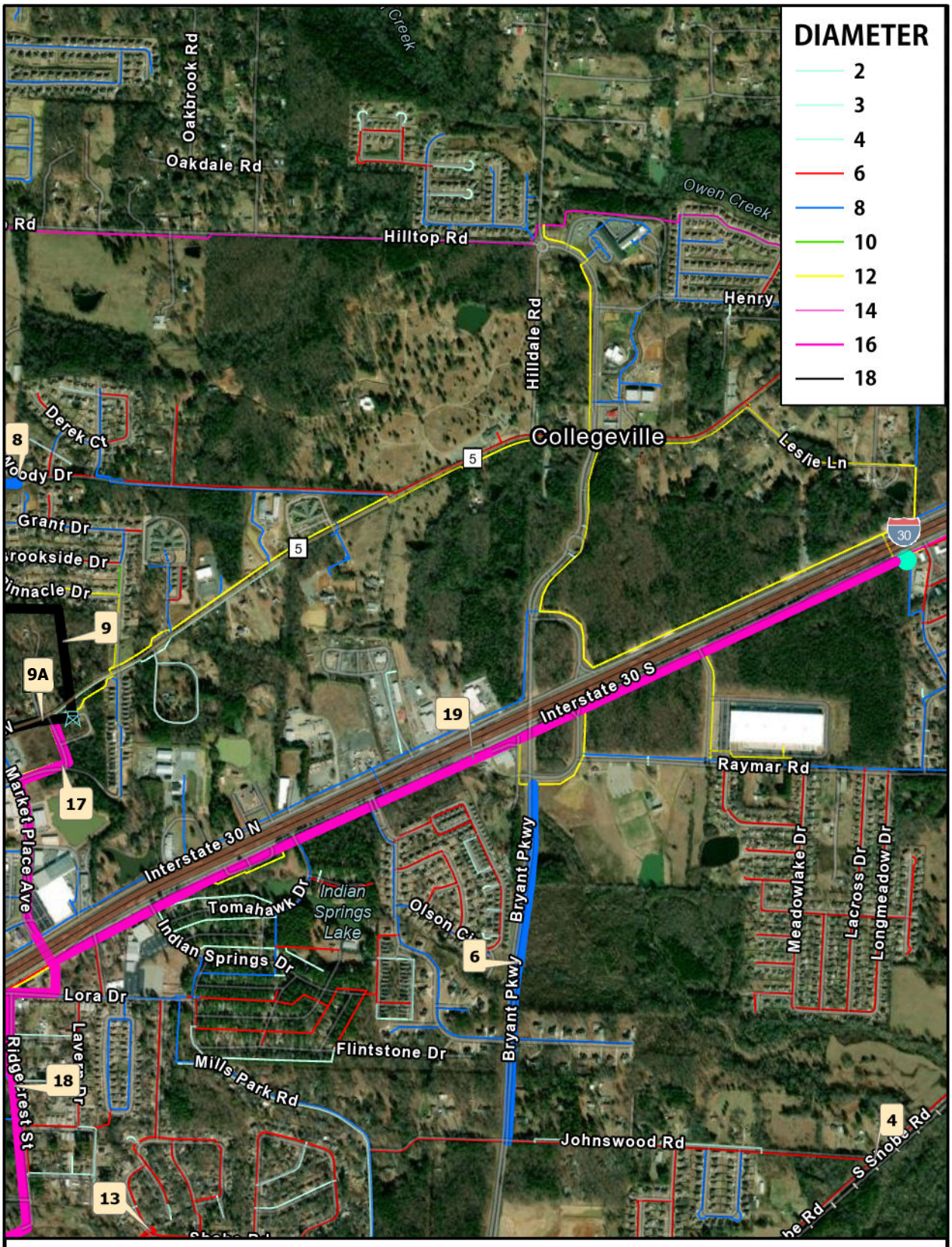
0 350 700 1,400

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

AUG 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #19

BOOSTER PUMP STATION TO I30 AT PIKEWOOD

CITY OF BRYANT, AR

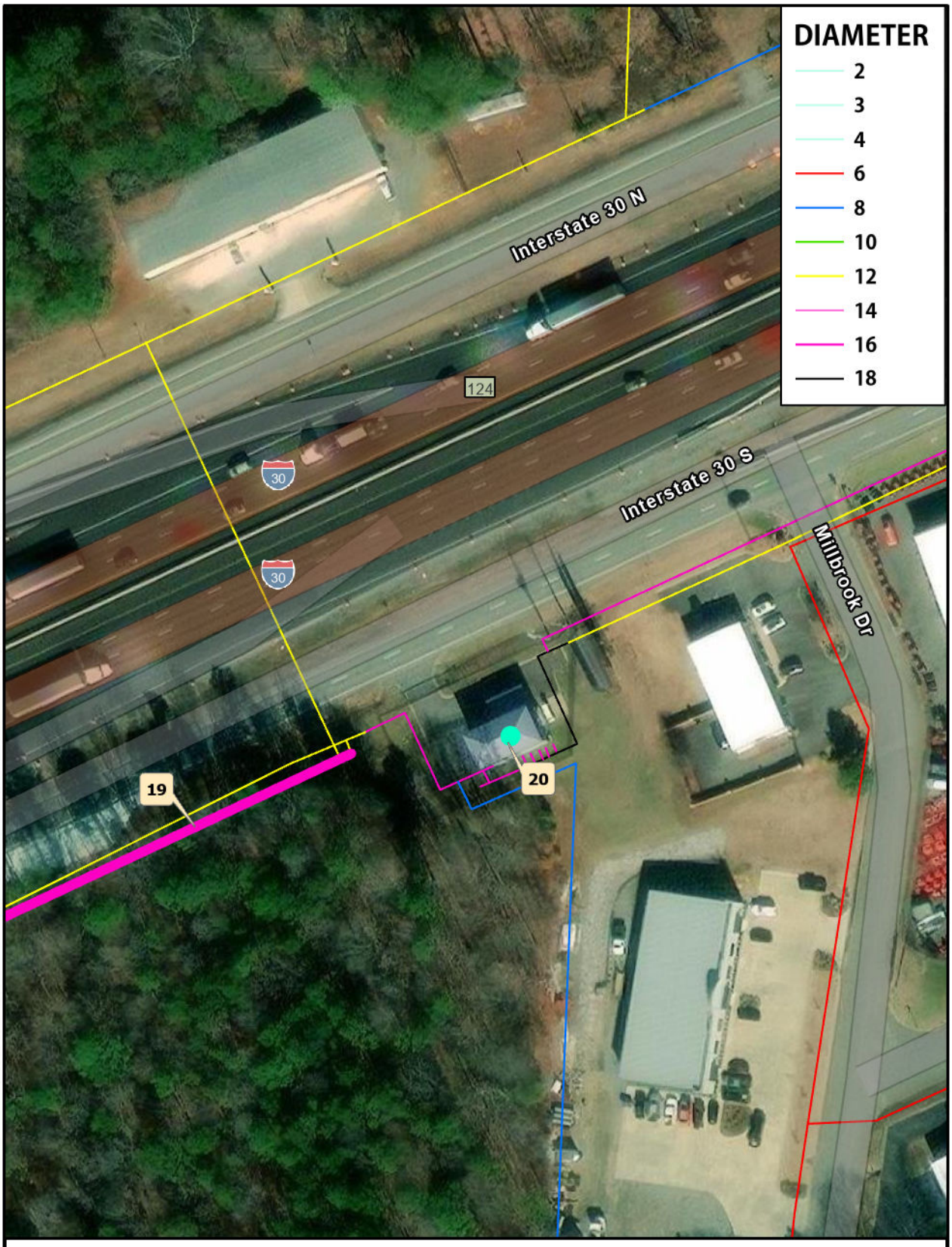
0 500 1,000 2,000

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024



DISTRIBUTION SYSTEM - IMPROVEMENT #20

BOOSTER PUMP STATION - NEW 75 HP GOULDS PUMP

CITY OF BRYANT, AR

0 35 70 140

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024

D. SRPWA Wholesale to Consecutive Systems

SRPWA improvements indicate Bryant will be needed to wheel water to consecutive systems in order to provide water to these systems without the need for dedicated transmission mains from SRPWA to each individual entity. Improvements will be required in order to provide these systems with the indicated demands. These improvements involve both lines within Bryant to meet the required demands, as well as transmission lines from the extent of Bryant water system to the connecting utility. All improvements associated with providing water to these entities will be paid for by SRPWA.

1. Shannon Hills

In order for SRPWA to convey water through Bryant to Shannon Hills, an extension from the 12-inch waterline along I-30 near Millbrook Dr to Shannon Hills would be required. There is currently sufficient infrastructure within Bryant to provide water to the 12-inch connection location.

2. East End (Improvement 21)

In order for SRPWA to convey water through Bryant to East End, a 12 -inch extension from Bryant near South Reynolds Rd to East End generally along Sardis Rd would be required. Within Bryant water system, a 12-inch extension from the 12-inch along Renyolds Rd and Rich St to the connection point at South Reynolds Rd and Hill Farm Rd would be required to allow demands to be met within the system. Depending on the total flow requirements of East End, the 16-inch improvements recommended from Highway 5 Tank to the new South Tank would also be required to meet the full demands of Bryant and East End combined.

DISTRIBUTION SYSTEM - IMPROVEMENT #21

SRPWA EXTENSION FOR EAST END

CITY OF BRYANT, AR

0 240 480 960

Feet

CRIST ENGINEERS, INC.

CONSULTING ENGINEERS LITTLE ROCK, ARKANSAS

JUL 2024

VI. Capital Improvement Plan

This section presents the recommended Capital Improvement Plan (CIP) for the City of Hot Springs water system. The plan is based on the evaluation of the water supply, treatment, and distribution system, and on the recommended projects described in the previous sections. The CIP has been prepared to assist the City in planning and constructing the water system improvements in the future. The improvements should be implemented by the City as funding is available. The CIP for the improvements identified by this Master Plan are presented under separate bound cover.

A. Cost Estimating Criteria

The cost estimates presented in this study are opinions developed from bid tabulations, cost curves, information obtained from previous studies, and experience on other projects. The costs estimated for each recommended improvement are opinions included in the CIP developed with this study.

The cost estimates presented in the CIP have been prepared for general master planning purposes and for guidance in project evaluation and implementation. Final costs of a project will depend on actual labor and material costs, competitive market conditions, final project scope, implementation schedule, and other variable factors such as: preliminary alignments generation, investigation of alternative routings, and detailed utility and topography surveys.

Costs developed for this study should be considered "order of magnitude" and have an expected accuracy range of +40 percent to -30 percent.

1. Land Acquisition Costs

Acquisition of property, easements, and right-of-way (ROW) will be required for some of the recommended projects, particularly new pump stations and tank facilities. Additionally, the capital costs do not include pipeline corridor purchases or easement costs because it was assumed that public ROW will be utilized wherever possible. Land costs are not easily determined, particularly in the master planning phase, and variables affecting properties can result in widely varying land prices. Since land acquisition costs are not included in this master plan, the final capital costs may vary from the estimates presented herein.

2. Estimated Construction Costs

Since knowledge about site-specific conditions of each proposed project is limited at the master planning stage, a 20 percent contingency was applied to the Construction Cost to account for unforeseen events and unknown conditions.

In addition, a 20 percent contingency was added for each recommended improvement to account for other project costs such as engineering fees, legal fees, administration fees, environmental fees and other miscellaneous fees that may be required for implementation of the project.

The Capital Improvement Cost, in dollars, for each proposed improvement is the total of the Estimated Construction Cost (including contingency) plus the other costs discussed in the previous paragraph.

B. Capital Improvement Plan

The CIP projects are prioritized based on their urgency to mitigate existing deficiencies and for servicing anticipated growth. It is recommended that improvements to mitigate existing deficiencies be constructed as soon as possible. The deficiencies in the future system have a significant total capital cost that is best distributed based on the order in which the City will develop. It is assumed that any replacement pipes will be in the same alignment and at the same slope as the existing pipe. However, this study recommends an investigation of the alignment during the pre-design stage of each project.

CITY OF BRYANT WATER UTILITIES
WATER SYSTEM MASTER PLAN
CAPITAL IMPROVEMENT PLAN

No.	Type	Description	Diameter	Length	Cost Estimate ($)	CAPITAL IMPROVEMENT PLAN		
						Near Term ($)	Mid Term ($)	Long Term ($)
Water System Improvements - Distribution System - Near Term Improvements								
1	609 PZ Expansion	1,500,000 Gallon Tank @ N. Reynolds / High School	-	-	$ 11,000,000	$11,000,000		
2	609 PZ Expansion	12 inch extension Boon Road	12	5,000	$ 1,300,000	$1,300,000		
3	System Transmission	Springhill, I30 to Highway 5 N	16	2,100	$ 1,000,000	$1,000,000		
4	Improvement	Woodland Hills Metron Meter and Vault	-	-	$ 60,000	$60,000		
5	Fireflow/Resiliency	Airport to Hill Road	8	900	$ 180,000	$180,000		
6	Fireflow/Resiliency	Bryant Pkwy I30 to Johnswood	8	3,700	$ 740,000	$740,000		
7	Fireflow/Resiliency	N Reynolds Road at Rogers Road Crossing	8	100	$ 40,000	$40,000		
8	Fireflow/Resiliency	Woody Dr to Steeplechase Cir	8	400	$ 80,000	$80,000		
Water System Improvements - Distribution System - Mid-Term Improvements								
9	SRPWA Connection	SRWRPA Extension North tank to Hwy 5 Tank	18	10,000	$ 3,500,000		$3,500,000	
9A	SRPWA Connection	Highway 5 at Springhill to Highway 5 Tank - SRPWA Connection	18	12,000	$ 4,000,000		$4,000,000	
10	SRPWA Connection	Connect Services Before CAW Pump Station along I30	8	1,400	$ 192,000		$192,000	
11	Pump Station	Chlorination upgrades at CAW Booster Pump Station	-	-	Awaiting Pricing		Awaiting Pricing	
12	Fireflow/Resiliency	Forest Dr and Highway 5 N Interconnect	8	350	$ 52,500		$52,500	
13	Fireflow/Resiliency	Debswood to Carywood Dr	6	800	$ 150,000		$150,000	
14	Fireflow/Resiliency	Highway 5 Extension to Lowery Lane	8	2,000	$ 420,000		$420,000	
15	Fireflow/Resiliency	Sunset Meadows Extension	8	350	$ 100,000		$100,000	
16	Fireflow/Resiliency	Ward Dr Extension	6	1,200	$ 216,000		$216,000	
Water System Improvements - Distribution System - Long Term Improvements								
17	System Transmission	Hwy 5 Tank to I-30 Crossing	16	3,000	$ 1,600,000			$1,600,000
18	System Transmission	I30 to South Tank	16	8,000	$ 3,000,000			$3,000,000
19	CAW Connection	Booster Pump Station to I 30 at Pikewood	16	11,000	$ 3,500,000			$3,500,000
20	CAW Connection	New 75 HP Goulds Pump	-	-	$ 200,000			$200,000
21	SRPWA - Wholesale	SRPWA Extension for East End			$ -			$0
				TOTALS	**$ 31,330,500.00**	**$14,400,000**	**$8,630,500**	**$8,300,000**

* Cost estimates determined in July 2024 include construction costs, contingency, and other project costs for engineering, legal, environmental, etc.

Project No. 24005

Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000

Governor Sarah Huckabee Sanders

Renee Mallory, RN, BSN, Secretary of Health

Jennifer Dillaha, MD, Director

Engineering Section, Slot 37 Ph 501-661-2623 Fax 501-661-2032
www.Healthy.Arkansas.gov/eng/ After Hours Emergency 501-661-2136

July 22, 2024

Bryce Rimmer
Bryant Water System
1019 SW 2nd St
Bryant, AR 72022

RE: Sanitary Survey of June 26, 2024
Bryant Water System – PWS ID 486

Dear Mr. Rimmer:
Enclosed is a copy of the 2024 Sanitary Survey for Bryant Water System. The following is a summary of Significant Deficiencies and Other Findings and Recommendations noted during the survey.

Significant Deficiency

None

Findings and Recommendations

1. It is recommended that #24 mesh screen is installed on the overflow pipes for the Reynolds Road and Highway 5 tanks.
2. It is recommended that you install a splash plate beneath the overflow pipe for the Hill Top tank.
3. It is recommended that you fix the ladder shroud for the Hill Top tank.
4. It appears that rather than recording "thousands of gallons" on the monthly operational reports for the CAW master meter you have been recording "millions of gallons".

The water system is required by public Law 93-523 to keep a copy of this survey for a minimum of 10 years. This survey should be filed in a central location that will be accessible to the public. The valuable assistance provided in the conduct of this Sanitary Survey by Bryant personnel is recognized and appreciated. If there are any questions concerning this survey, please contact this office at 501-661-2623.

Sincerely,

Marret Lineberry

Marret Lineberry, E.I.T.
District 2&8 Engineer
Engineering Section - ADH

Enclosure: Sanitary Survey of June 26, 2024

JTC:MCL:ml

Arkansas Department of Health

Public Water Supply Sanitary Survey

Name of System Bryant Water

Type of System Surface Purchase

PWSID 486

County Saline

Date of Survey June 26, 2024

Survey By Marret Lineberry

Title District 2&8 Engineer

Public Water Supply Sanitary Survey **Arkansas Department of Health**

Name of System: Bryant Water PWS # 486
Address: 1019 SW 2nd Street, Bryant AR 72022
Manager: Bryce Rimmer License #: 11015D4 Telephone #: 501-213-8181
Cell #: 501-943-0469 Fax #: 501-847-2583 E-mail Address: brimmer@cityofbryant.com
Treatment Plant Supervisor: Gregg Asher License #: 06974D4 Telephone #: 501-943-0452
Distribution System Supervisor: Gregg Asher License #: 06974D4 Telephone #: 501-943-0452
Number of Licensed Employees: 5 # of Treatment Licenses: 2 # of Distribution Licenses: 5
Mayor: Chris Treat (H) Telephone #: 501-943-0999
Address: Bryant, 210 SW 3rd St. AR. 72022 (W) Telephone #: 501-943-0999

# of Services: 8,715 %Metered: 100 Total Pop. Served: 20,907 Retail Pop.Served: 19,607 Consecutive Pop.Served: 1,300
Domestic: 7,689 # Commercial: 738 # Wholesale: 1 # Industrial: # Irrigation: 303
Engineering District: 8 County Name: Saline County Code #: 63
Plumbing Inspector: Doug Smith License #s: PI-01944

Master Meter Name & ID	Type of Plant	Construction Date	# of Sources	Type(s) of Source
CAW 101	Master Meter I-30	1995	1	Surface Purchase
CAW (emergency) 102	Master Meter Hwy 5	2007	1	Surface Purchase
Salem WA (emergency) 201	Emergency Master Meter	2008	1	Surface Purchase

Maximum System Capacity: 4.6 MGD (CAW Contract)

Total System Storage: 4.0 MG **Useable System Storage: 4.0 MG**

Production Figures								
System Segment / Plant Name & ID	Capacity (MGD)	Limiting Factor	Code	Maximum Demand (MGD)	Maximum Demand %Cap.	Average Demand (MGD)	Average Demand %Cap.	Population Served
MM CAW 101 & 102	4.6	Purchase Contract	08	2.7	59%	1.8	39%	20,907
Salem WA emergency 201	0.5	Hydraulic capacity	09	0		0		
Primary System	4.6	Pur. Ct.	08	2.7	59%	1.8	39%	19,607
Consecutive Systems		PWS ID #	Status					
Saline Co PFB (aka Woodland Hills)	0.5	Purchase Contract	08	0.28	56%	0.11	22%	1,300

Industrial Demand	None
Unaccounted-for Water	15-17%

☒ Estimated ☐ Calculated

Identify Significant Deficiencies: None

Give brief evaluation of system condition and operation: At time of the survey the system appears to be in compliance with the requirements of the National "Safe Drinking Water Act." Bryant has adequate staff and budget to maintain effective operation. The 15-17% water loss is primarily due to the WWTP, city parks, and sports field irrigation not being metered rather than excessive leaking.

Name of System: Bryant Water PWS # 486

Purchase Source

Source Entity ID #s: 101 & 102 Source:(# 1 & 2 of 3)
PWS Source Name: Central Arkansas Water
PWS ID #: 465 Maximum Purchase Agreement: 4.6 MGD

Yes	No	
☒	☐	1. Are maximum purchase agreements adequate?
☒	☐	2. Has the system been free from shortages of source in the past?
☒	☐	3. Does source system have adequate emergency plan?
☒	☐	4. Is source system's overall operation in accordance with the regulations?
☒	☐	5. Is master meter read routinely and reading recorded?
☒	☐	6. Is connection to source system adequate?
☒	☐	7. Is connection to source system provided with adequate backflow prevention?

Comments: The master meter is read every Monday.

Source Entity ID #: 201 Source:(# 3 of 3)
PWS Source Name: Salem Water Association
PWS ID #: 492 Maximum Purchase Agreement: 0.5 MGD

Yes	No	
☒	☐	1. Are maximum purchase agreements adequate?
☒	☐	2. Has the system been free from shortages of source in the past?
☒	☐	3. Does source system have adequate emergency plan?
☒	☐	4. Is source system's overall operation in accordance with the regulations?
☒	☐	5. Is master meter read routinely and reading recorded?
☒	☐	6. Is connection to source system adequate?
☒	☐	7. Is connection to source system provided with adequate backflow prevention?

Comments: This is an emergency source.

Source Entity ID #: Source:(# of)
PWS Source Name:
PWS ID #: Maximum Purchase Agreement: MGD

Yes	No	
☐	☐	1. Are maximum purchase agreements adequate?
☐	☐	2. Has the system been free from shortages of source in the past?
☐	☐	3. Does source system have adequate emergency plan?
☐	☐	4. Is source system's overall operation in accordance with the regulations?
☐	☐	5. Is master meter read routinely and reading recorded?
☐	☐	6. Is connection to source system adequate?
☐	☐	7. Is connection to source system provided with adequate backflow prevention?

Comments:

Public Water Supply Sanitary Survey **Arkansas Department of Health**

Name of System: Bryant Water PWS # 486

Treatment Plant

(Short Form) Plant:(# 1 of 1)

(Page 1)

Plant ID # 01 Plant Name: Master Meter #1

Plant Location: I-30 near county line. Please see map of system (last page).

Purpose ☒ Disinfection ☐ Fluoridation ☐ Iron/Manganese Control ☐ Corrosion Control

Treatment Processes The Chlorinator is turned off. Please see the note at the bottom of the page.

☐ No Treatment Provided

☐ Aeration: ☐ Cascade/Tray ☐ Forced/Induced Draft ☐ Pressure Approved Capacity _____MGD

☒ Disinfection / ☐ Pre ☐ Intermediate ☒ Final ☐ Breakpoint Chlorination ☒ Booster (Indicate on Flow Schematic)

Oxidation Type: ☐ Cl_2 Gas ☒ Hypochlorite ☐ Ozone ☐ ClO_2 ☐ Chloramines ☐ UV

☐ Fluoridation: ☐ Hydrofluosilic Acid ☐ Sodium Silicofluoride ☐ Sodium Fluoride

Fluoridation startup date: _____ Give type and date of authorization: _____

☐ Sequestration: Sequestering Agent: _____ Purpose: _____

☐ Corrosion Control: ☐ pH Adjustment _____ ☐ Corrosion Inhibitor _____

☐ Clearwell:

# / Name	Capacity (gallons)	Dimensions (ft.)			Total Depth (ft.)	Minimum Operating Depth (ft.)
		L	W	Dia.		

Yes	No		
• ☒	☐	**1.**	**Are treatment plant and individual processes functioning properly and within approved design parameters to ensure water quality? ☐ Aeration ☐ Mixing ☐ Coagulation/Flocculation ☐ Sedimentation ☐ Filtration ☒ Disinfection ☐ Other _____**
☒	☐	1.1	Is operation and maintenance of unit processes satisfactory?
☒	☐	1.2	Is the finished water quality satisfactory?
☒	☐	1.3	Is site free from outside contamination? (i.e. aerial spraying, stack emissions, flooding, etc.)
☒	☐	1.4	Is finished water pumping capacity adequate?
☒	☐	1.5	Is standby or auxiliary power available and operable?
☒	☐	1.6	Is master meter adequate and operable?
☒	☐	1.7	Are structures and grounds satisfactory?
☒	☐	1.8	Are instrumentation and controls adequate and operable?
☐	☐	1.9	Backwash water is not recycled. (☒ N/A) If no, where is recycle fed._____ % of influent ____
• ☐	☐	**2.**	**Is adequate disinfection being provided to meet CT and/or entry point requirements?** (☒ N/A)
☒	☐	2.1	Has disinfection been free from interruptions during the past 12 months?
☒	☐	2.2	Are operational standby equipment provided or critical spare parts on hand?
☒	☐	3.	Has fluoride residual been maintained at optimum level during the past twelve months? (☐ N/A)
• ☐	☐	**4.**	**Are alarms with auto dialers and/or automatic shutdown provided for turbidity and disinfection control for surface and GWUDI systems when plant is unstaffed. (☒ N/A)**

Process Alarms				
Process or Water Quality Parameter Monitored	Set Points		Auto-dialer (Yes/No)	Auto-Shutdown (Yes/No)
	Low	High		
Hwy 5 Tank	572	609.5	Yes	Yes
Power failure			Yes	
Intruder			Yes	

Comments: Process Alarms are part of the SCADA. Operators are notified via e-mail and text.

Bryant is maintaining a good chlorine residual throughout the system.

Public Water Supply Sanitary Survey **Arkansas Department of Health**

Name of System: Bryant Water PWS # 486

Treatment Plant

(Short Form)

(Page 2)

Plant ID # 01 Plant Name: Master Meter #1 at I-30

Chemical Treatment (Feed points illustrated on Process Flow Diagram)					
Chemicals Added	**Type of Feeder**	**Model**	**Feeder Capacity**	**Function**	**Code**
Chlorine	Solution	Constant Chlor	16.1 GPH	Booster disinfection	02
		Plus			
Feeder			**Control System**		
Constant Chlor Plus Calcium Hypochlorite			Hard wired into flow operation and Chlorine Residual.		

Yes	No		
☒	☐	1.	Are chemicals used in the treatment process NSF 60/61 listed?
☒	☐	2.	Are chemical storage and feeder facilities secured and adequately ventilated (if needed)?
☒	☐	3.	Is the chemical feed equipment being operated and maintained properly?
☒	☐	4.	Are proper feed system appurtenances provided? ☐ Scales ☐ Calibration equipment ☐ Meter ☐ Water Softener ☒ Other Hopper
☒	☐	5.	Is adequate safety equipment available and easily accessible? ☐ Gloves ☐ Apron ☐ Boots ☐ Safety Goggles ☐ Dust Mask ☒ Shower ☒ Eye wash ☐ Other
☒	☐	6.	Proper type(s) of leak detection provided _____ (☒ N/A)
☒	☐	7.	Are chemical feed or supply lines free of cross-connections. (See question #2 under Cross-Connection Control Section)

Gas Chlorine Feed Systems (☒ N/A)

☐	☐	1.	Are chlorine storage and use areas isolated from other work areas?
☐	☐	2.	Is the chlorine room force ventilated to the outdoors through exhaust grills located at floor level?
☐	☐	3.	Is a suitable breathing apparatus available, operable, and easily accessible?
☐	☐	4.	Are all doors hinged outward and equipped with panic bars or other safety device?
☐	☐	5.	Is a viewing window provided?
☐	☐	6.	Are all gas cylinders restrained to wall by chaining or by other means?
☐	☐	7.	Are switches for the light and fan located outside of and close to the door?

Ozone or Hypochlorite Generation Systems (☒ N/A)

☐	☐	1.	Gas destruction and/or ventilation provided? (O3-ozone or H_2S-hypochlorite generation)

Comments: The chlorine booster is manually operated. Bryant waterworks employees sample chlorine everyday to determine if the booster is necessary that day.

Name of System: Bryant Water PWS # 486

Monitoring, Reporting, and Data Verification

Laboratory Testing & Equipment				
Lab Tests	**Frequency**	**Sample Location**	**Method**	**Make & Model #**
Total Chlorine	Daily	Distribution	Color Comparator / DPD Total Chlorine	Hach Pocket meter II

Calibration Records					
	Calibration Frequency	**Date Last Calibrated**	**Are Calibration Logs Available**	**Field Verification**	
				ADH Results	**System Results**
Total Chlorine Res.				Total Chlorine 0.15mg/L	Total Chlorine 0.21 mg/L
				Total Chlorine 0.71 mg/L	-

Yes	No	N/A		
☒	☐		1.	**Are laboratory facilities, testing equipment, and procedures, accurate, adequate, and operable?**
☒	☐		1.1	Are records of lab tests being maintained?
☒	☐		1.2	Do reagents used have an unexpired shelf life?
☐	☐	☒	1.3	Are continuous turbidimeters and recorders provided on each filter?
☒	☐	☐	1.4	Is continuous chlorine analyzer and recorder provided on plant effluent?
☒	☐		2.	Is all routine compliance monitoring up-to-date? (Check monitoring status report.)
☒	☐		2.1	Are the proper numbers of bacti samples being collected? Number required? 20
☐	☐	☒	2.2	For surface systems with conventional treatment, is raw water alkalinity being monitored?
☐	☐	☒	2.3	For systems using chlorine dioxide, are daily entry point analysis for ClO_2 residual and Chlorite being collected and reported?
☒	☐		3.	Is the system monitored according to ADH approved methods and sample site plan(s)? ☐ Bacti ☐ CT ☐ Disinfectant Residual ☐ THM ☐ HAA5 ☐ ClO_2 Residual Distribution System Samples (☐ N/A) ☐ Chlorite Distribution System Samples (☐ N/A) ☐ Other
☒	☐	☐	4.	Is the system in compliance with the monitoring and reporting requirements of the Lead and Copper Rule as outline in their approved Optimal Corrosion Control and Treatment plan?
☐	☐	☒	5.	Are fluoride check samples submitted monthly?
☐	☐	☒	6.	Are daily fluoride analyses performed, results recorded, and submitted monthly?
☒	☐		7.	**Does the system accurately complete Monthly Operational Report forms?**
☒	☐		7.1	Has the system submitted Monthly Operational Report forms on time?
☒	☐		7.2	Does the system have the proper records on file and available for review? ☒ Sanitary Surveys ☒ Bacteriological and Chemical Analysis Reports ☒ Source Water Assessment Report ☒ Sample Site Plans ☒ Optimal Corrosion Control and Treatment Plan for Lead & Copper Rule (☐ N/A) ☐ Disinfection Profile and Benchmark Report (☐ N/A) ☐ Individual Filter Monitoring Data (☒ N/A) ☐ Filter Profile Report (☒ N/A) ☐ Filter Self-Assessment Report (☒ N/A) ☐ CPE report (☒ N/A) ☐ CCR ☐ Other

Comments: The first total Chlorine Residual (0.15mg/L and 0.21 mg/L) testing and verification location was conducted at Bacti site 486B001 at the Bryant Waterworks office. The second testing location (0.71 mg/L) was conducted at Bacti site 486B008.

Name of System: Bryant Water PWS # 486

Storage Facilities

Name / Location / Last Inspected	Total Capacity (Gallons)	Usable Volume (Gallons)	Type of Storage	Overflow Elevation (Ft - MSL)	Control System
Hwy. 5	2,000,000	2,000,000	Elevated	609	Pressure Transducer
June 2017					
Hill Top	1,000,000	1,000,000	Standpipe	609	Pressure Transducer
June 2017					
Reynolds Road	1,000,000	1,000,000	Standpipe	541	Altitude Valve
June 2017					
Total:	**4,000,000**	**4,000,000**	**Useable Storage at Average Demand: 2.56 Days**		
			Total Storage at Average Demand: 2.56 Days		
			Average Water Usage: 1.55 MGD		

Yes	No		
☒	☐	**1.**	**Are the storage tanks in a state of good repair and maintained to ensure water quality and the reliability of the water system?**
☒	☐	1.1	Are overflow line, air vent, drain line and roof hatch properly constructed, covered or screened?
☒	☐	1.2	Do low water levels provide adequate pressures?
☒	☐	1.3	The interior tank conditions/coatings do not pose a threat to public health. ☐ Unknown
☒	☐	1.4	Are instruments and controls adequate, operational and being utilized?
☒	☐	1.5	Are sites properly drained and protected from flooding?
☒	☐	1.6	Is control valve pit properly drained and protected from flooding?
☒	☐	1.7	Are tanks adequately protected against corrosion?
☒	☐	1.8	Are sites adequately protected against vandalism? ☐ Site fenced and locked ☐ Roof hatch locked ☐ Bottom 10 ft. section of access ladder removed ☐ Other _____
☒	☐	1.9	Are tanks disinfected after cleaning and / or repairs?
		1.10	What is the inspection / cleaning frequency for the tanks? Every 5 years
☒	☐	2.	Can tank be isolated from system and drained?

Comments: The Reynolds Road and Highway 5 tank both have a horizontal and flush flapper plate but no #24 mesh on the overflow pipe. The Hilltop tank location is susceptible to flooding. It also does not have a splash plate and the ladder shroud is broken. During the next tank repainting or repairs, the vent of the Highway 5 tank shall be reconfigured to prevent rain or other contaminants from being blown in.

Name of System: Bryant Water PWS # 486

Pumping Facilities

Name / Location	Pump Type	Capacity (GPM)	TDH (Ft)	Motor HP	Function	Control System
Melba Jones Pumping Station	VT	1600	100	75	Fill Hill Top	Pressure Transducers
25207 Interstate 30	VT	1600	100	75	and Hwy 5 Tanks	at the Hill Top and
Bryant, AR 72022	VT	1600	100	75		Hwy 5 Tanks (SCADA)

Yes	No		
• ☒	☐	1.	**Pump redundancy, capacity, location, power supply, or controls do not result in negative or repetitive low pressures or water quality problems.**
• ☒	☐	2.	**Finished water pump well/clearwell is watertight.**
☒	☐	3.	No cross connections exist; i.e.: water sealed pumps utilizes only potable water; heating and cooling water are not returned to the reservoir or distribution system.
• ☒	☐	4.	**Pump lubricants other than potable water are NSF 60/61 or FDA listed.**

Comments:

Distribution System

Yes	No		
• ☒	☐	1.	**Are pressures in all portions of the system maintained above 20 psi during peak demand? If no, give reason:**
• ☒	☐	2.	**Is a detectable disinfectant residual level maintained in all portions of the system?**
☒	☐	3.	Is a sufficient number of valves provided, properly located, and are they accessible?
☒	☐	3.1	Does the system have a valve exercise / replacement program?
		4.	What piping materials are used? (Estimate percentage) 20% DI/CI 70% PVC 1% Galvanized 10% AC Other:
☒	☐	5.	Has the distribution system been free of water quality problems?
☒	☐	6.	Does the system have an adequate maintenance and flushing program?
☒	☐	7.	Are mains and appurtenances properly flushed, disinfected and tested after repairs or extensions?
☒	☐	8.	Is a licensed plumbing inspector available?
☒	☐	9.	Does the system have a meter replacement program?
☒	☐	10.	Does the system have a leak detection program?
☒	☐	11.	Is the overall condition of the distribution system acceptable?

Comments: All meters were replaced in 2023 and are now all cellular meters.

Cross-Connection Control

Yes	No	N/A		
☒	☐		1.	Does the system have an active Cross-Connection Control Program?
		☐	1.1	Who is responsible for the Cross Connection Control Program? Mindy Cox
☒	☐		1.2	Does the governing body have an ordinance, by-law or written resolution specifically addressing cross connection control?
☒	☐		1.3	Is the system requiring annual testing of backflow preventers and keeping records of the tests?
• ☒	☐		2.	**Is the system free of high-hazard unprotected cross-connections?** ☐ Treatment Plant ☐ Pumping Facilities ☐ Distribution
• ☒	☐	☐	3.	**Is a Cross-Connection Control Program being enforced for high-hazard services?**
☒	☐	☐	3.1	Have all commercial and industrial customers been surveyed?

Comments: Every commercial and industrial customers were last surveyed in 2018.

Name of System: Bryant Water PWS # 486

System Operations & Management

Mayor/Council

MEMBERS NAME	TITLE
Chris Treat	Mayor
Rob Roedel	Councilman
Jason Brown	Councilman
Lisa Meyer	Councilwoman
Wade Permenter	Councilman
Jack Moseley	Councilman
Jordan O'Roark	Councilman
Jon Martin	Councilman
Star Henson	Councilwoman

Yes No

☒ ☐ 1. Is a current (i.e. less than 10 years old) Long-Range Plan/Master Plan on file with ADH?
☐ Long Range Plan (Date _____) ☒ Master Plan (Date April 2008)

☒ ☐ 2. A written emergency plan is on file at the water system.

☒ ☐ 3. The emergency plan is up to date and contains the proper names, numbers, etc.

• ☒ ☐ 4. **Management provides the necessary budget, personnel, security measures, maintenance or repair parts to meet regulatory requirements and provide for the production of an adequate quantity of safe drinking water.**
☐ **Adequate budget** ☐ **Sufficient / Qualified staff** ☐ **Adequate / Sufficient parts inventory**
☐ **Other** _____

☒ ☐ 5. Have all major modifications (since previous survey) been approved by ADH?

☒ ☐ 6. Are the systems records being maintained according with regulatory requirements?
☐ Maintenance and repair records ☐ System maps ☐ Operating reports

☒ ☐ 7. Is the maximum demand less than 80 percent of capacity (i.e. source, plant, pumping)? If no, discuss corrective actions. Please see comment below.

☒ ☐ 8. If the system has greater than 15% unaccounted for water, are corrective actions being taken? Discuss corrective actions. (☐ N/A) _____

☒ ☐ 9. Has the system been free of any violations since the last survey?
☒TCR ☐ MRDL ☐ IOC ☐ VOC ☐ SOC ☐ Radio-chemicals
☐ THM (☐ N/A) ☐ HAA5 (☐ N/A) ☐ Bromate (☐ N/A) ☐ Chlorite (☐ N/A)
☐ Combined filter turbidity (☐ N/A) ☐ Plant Effluent Disinfectant Residual (☐ N/A)
☐ CT ☐ Enhanced Coagulation – TOC removal (☐ N/A) ☐ Other _____

☒ ☐ 10. Is system's Disinfection By-Product levels less than 80% of the MCL and not trending upward significantly since the last survey? ☐ TTHM ☐ HAA5 ☐ Bromate (☐ N/A) ☐ Chlorite (☐ N/A)

11. What is the required license grade level for this system? Treatment 0 Distribution 4

☐ ☐ 12. Does system have a completed source water assessment? (☒ N/A)

☐ ☐ 13. Is source water assessment report on file and accessible to the public? (☒ N/A)

Comments: Item # 9. Level 1 and 2 RTCR assessments in August and September 2021.

Name of System: Bryant Water PWS # 486

Operator Certification

- ☒ ☐ **1. The operator(s) or responsible person(s) in charge of the treatment facility and/or distribution facilities have the required State certification.**
- ☒ ☐ 2. Are all persons making individual judgements that affect water quality properly licensed?
- ☒ ☐ 3. Does the system have a sufficient number of licensed staff to perform all water quality related duties?
- ☒ ☐ 4. Are operators provided training in the proper use of safety equipment?

Operator	Title	License #
Gregory Asher	Manager	6974D4
Bryce Rimmer	Manager	11015D4
Joe Henry	Water Foreman	P4431D2
Jeffery Chandler	Operations Coordinator	7630D2
Joshua Bird	Pumps and Controls	10248D2
Moriah Winkel	Utility Worker	10632D4
Brad Wilson	Utility Worker	10001D4
Jason Moore	Utility Worker	09734D4
David Stephens	Utility Worker	7900D2
Daran Robertson	Operations Coordinator	8329D1

Comments: _____

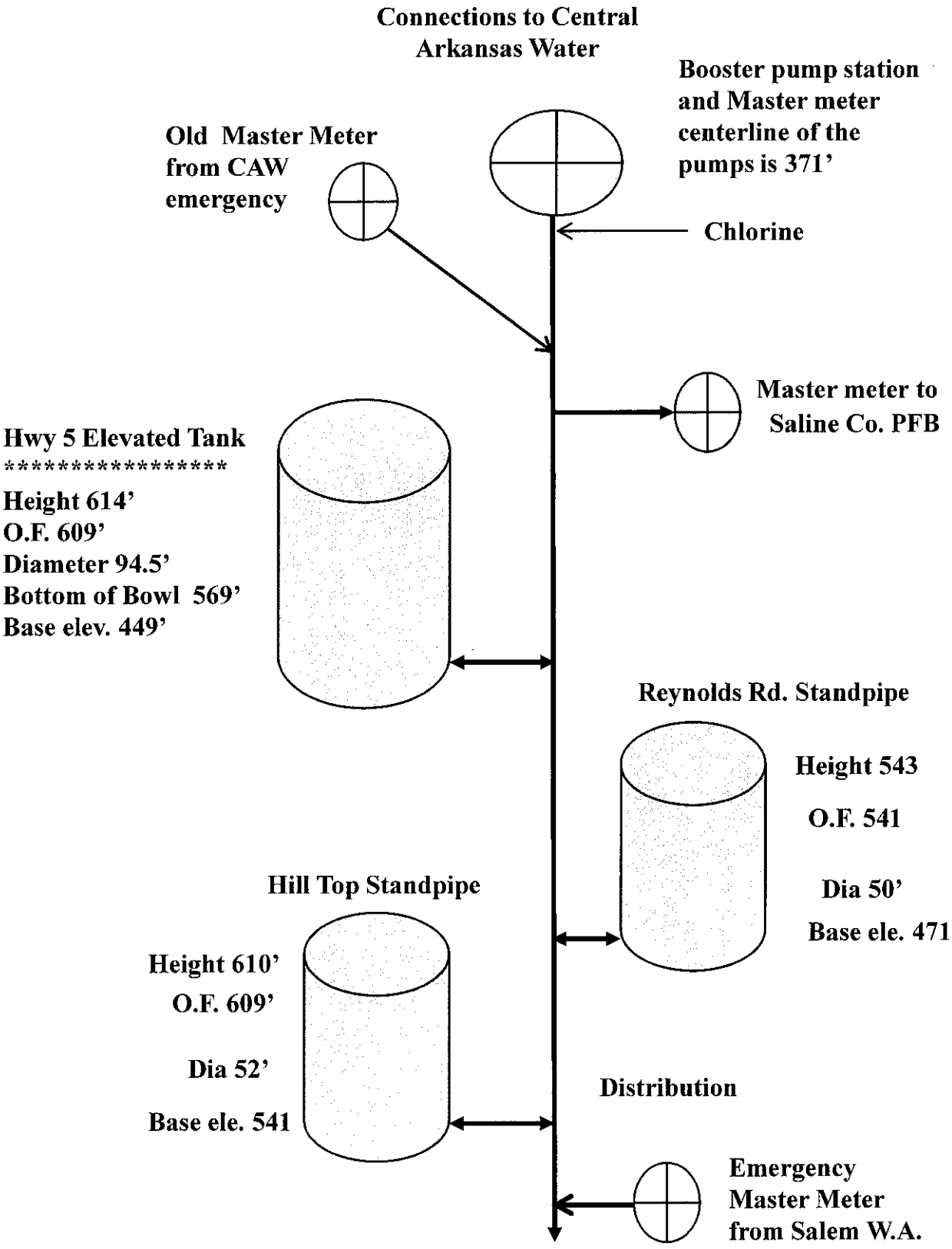
Contact Information

Emergency Contact Person: Bryce Rimmer Emergency Contact Phone Number: (501) 943-0458

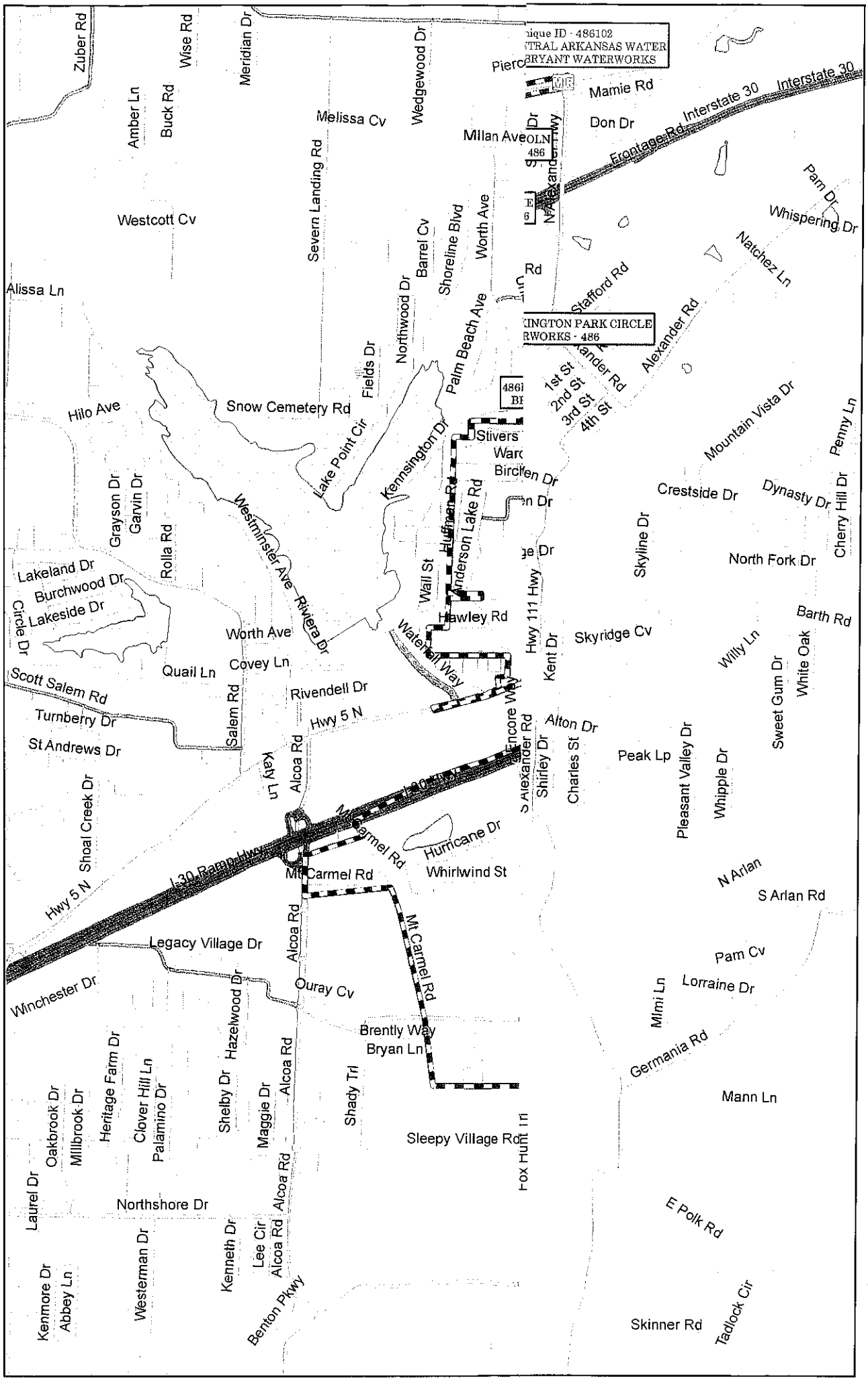
Type Code	Contact Name	Title	Mailing Address	City	State	Zip Code	E-Mail
AB	Bryce Rimmer	Manager	1019 SW 2nd Street	Bryant	AR	72022	brimmer@cityofbryant.com
$	Angela Shepard	Billing Mgr.	210 SW 3rd Street	Bryant	AR	72022	ashepard@cityofbryant.com
R	Bryce Rimmer	Superintendent	1019 SW 2nd Street	Bryant	AR	72022	brimmer@cityofbryant.com
X	Tim Fournier	PW Director	1017 SW 2nd Street	Bryant	AR	72022	tfournier@cityofbryant.com

Type Codes: **A** – Primary Contact; **B** – Bacteriological Sample Bottle Mailing; **$** - Billing;
O – System Owner / Responsible Party; **Z** – Administrative Address; **F** – Fax;
M – Mobile Phone; **G** – Pager; **W** – World Wide Web Site; **I** – Internet E-Mail;
R – Operator; **T** – Water Treatment Plant / Facility; **D** – Distribution Facility;
P – Pumping Facility; **S** – Storage Facility; **L** – Location; **E** – Employee; **V** – Vendor; **X** – Other

Bryant Water Flow Schematic



Bryant (PWS 486)



1 INCH = 0.49 MILES

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YOUR INPUT. OUR WATER FUTURE.

Let's Make Every Drop Count!

HOW TO PARTICIPATE:

1 SCAN THE QR CODE

2 FOLLOW THE LINK

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