

RESOLUTION NO. _____

RESOLUTION ACCEPTING THE PROJECT AS COMPLETE AND AUTHORIZING FINAL PAYMENT TO FORSGREN, INC., FOR CONSTRUCTION OF THE 2016 SANITARY SEWER ASSESSMENT REMDEIAL MEASURESS, SUB-BASIN P004

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CITY OF FORT SMITH, ARKANSAS, that:

SECTION 1: The construction of the 2016 Sanitary Sewer Assessment Remedial Measures, Sub-Basin P004, Project Number 17-08-C1, is accepted as complete.

SECTION 2: Final payment to Forsgren Inc., in the amount of \$160,384.22, is hereby approved.

This Resolution adopted this ____ day of August 2020.

APPROVED:

Mayor

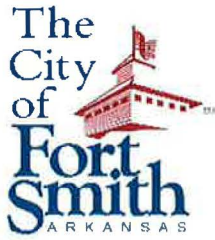
ATTEST:

City Clerk

APPROVED AS TO FORM:



npr



UTILITY DEPARTMENT
INTEROFFICE MEMORANDUM



TO: Carl E. Geffken, City Administrator
FROM: Lance A. McAvoy, Utility Director *[Signature]*
SUBJECT: 2016 SSA Remedial Measures, Sub-Basin P004
Project Number 17-08-C1
DATE: July 23, 2020
CC: Jeff Dingman, Deputy City Administrator

On March 12, 2019, the Board of Directors approved the bid of Forsgren, Inc., for \$1,737,071.50. This project consists of the replacement and rehabilitation of approximately 5,400 linear feet of 8 to 12-inch sewer main, associated manholes, and other appurtenances. This project is designed to reduce sanitary sewer overflows by reducing groundwater infiltration and is part of the Consent Decree requirements. An exhibit showing the location of the project and a project summary sheet is attached for your review.

Change Order Number One added \$17,696.98 for a total contract amount of \$1,754,768.48 and 14 days to the contract for water line work. Change Order Number Two allows for 48 weather delay days to be added to the contract time. The new adjusted contract substantial date will be May 16, 2020. The added time resulted in 7 days of liquidated damages at \$500 per day being assessed.

Resolutions authorizing the Mayor to execute Change Order Number Two adding 48 additional days to the contract time and accepting the project as complete and authorizing the final payment of \$160,384.22. The total project cost of \$1,699,040.55 is 3.2% below the originally approved contract amount of \$1,737,071.50. The funding for this project is available from the 2018 Revenue Bonds.

Please contact me should you or members of the Board have any questions or desire additional information.

- Attachments: ¹ Resolution Authorizing the Mayor to execute change order number two with Forsgren, Inc., for the 2016 Sanitary Sewer Assessment Remedial Measures, Sub-Basin P004
² Resolution Accepting the Project as complete and Authorizing Final Payment to Forsgren, Inc., for Construction of the 2016 Sanitary Sewer Assessment Remedial Measures Sub-Basin P004
³ Change Order-days only
⁴ Project Summary Sheet
⁵ Exhibit Location Drawing
⁶ Exhibit Photos

CHANGE ORDER NO. 2

2016 SSA Remedial Measures, Sub-Basin P004
Project No. 17-08-C1

Date: August 10, 2020

Contractor: Forsgren Inc.
Engineer: City of Fort Smith Utility Department

Current Contract Amount: \$1,754,768.48

Contract Time (Calendar Days): 344

Bid Item	Description	Unit	Quantity	Unit Price
TOTAL:				0.00
<p>An additional 48 days will be added to the contract time making it 392 calendar days</p> <p>This document shall become an amendment to the contract and all provisions of the contract will apply hereto.</p>				

Recommended by :
City of Fort Smith Utility Department

By:  07/14/2020
Clinton Allison, P.E. Date

Accepted by:
Forsgren, Inc.
By:  07.14.2020
Brennan Hickey Date

Approved By: _____
Mayor Date

Forsgren, Inc.

Pay Estimate Summary Report

Invoice # 14

Invoice Date: 07/01/2020
 Dates Submitted: 06/01/2020 - 06/30/2020
Contract # 17-08-C1
 2016 Sanitary Sewer, Sub-Basin P004
 Job: 1912

Owner

City of Fort Smith Utilities Engineering Dept.
 801 Carnall Ave., Suite 500
 Fort Smith, AR 72901

Contractor

Forsgren, Incorporated
 3000 North 23rd Street
 Fort Smith, AR 72902

Pay Item	Description	Contract Quantities	Unit	Unit Price	Contract Amount	Previous Quantities	Current Quantities	Quantities to Date	Current Amount	Amount to Date	% Cmpl
1	Performance & Payment Bond	1.00	LS	28,000.00	28,000.00	1.0000	0.0000	1.0000	0.00	28,000.00	100.0
2	Maint. of Traffic	1.00	LS	55,000.00	55,000.00	1.0000	0.0000	1.0000	0.00	55,000.00	100.0
3	Erosion Control	1.00	LS	7,200.00	7,200.00	1.0000	0.0000	1.0000	0.00	7,200.00	100.0
4	Site Prep	1.00	LS	300,000.00	300,000.00	1.0000	0.0000	1.0000	0.00	300,000.00	100.0
5	R&D Conc. Pavement	280.00	SY	8.25	2,310.00	104.8900	0.0000	104.8900	0.00	865.34	37.5
6	R&D Asphalt Pavement	400.00	SY	7.25	2,900.00	565.7900	0.0000	565.7900	0.00	4,101.98	141.4
7	R&D Conc. SW/Drives	330.00	SY	9.50	3,135.00	857.1600	0.0000	857.1600	0.00	8,143.02	259.7
8	R&D Rock Drive	70.00	SY	9.50	665.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
9	R&D Conc. C&G	400.00	LF	6.00	2,400.00	199.5000	0.0000	199.5000	0.00	1,197.00	49.9
10	R&D SD Pipe (>24")	80.00	LF	12.50	1,000.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
11	Clear & Grub	1.00	LS	7,500.00	7,500.00	1.0000	0.0000	1.0000	0.00	7,500.00	100.0
12	Clear & Grub Trees (8-12")	4.00	EA	450.00	1,800.00	5.0000	0.0000	5.0000	0.00	2,250.00	125.0
13	Clear & Grub Trees (13-34")	3.00	EA	1,000.00	3,000.00	4.0000	0.0000	4.0000	0.00	4,000.00	133.3
14	Clear & Grub Trees (35" Up)	1.00	EA	3,500.00	3,500.00	2.0000	0.0000	2.0000	0.00	7,000.00	200.0
15	Topsoil (4")	700.00	SY	4.50	3,150.00	700.0000	180.0000	880.0000	810.00	3,960.00	125.7
16	Trench/Ex Safety	1.00	LS	10,000.00	10,000.00	1.0000	0.0000	1.0000	0.00	10,000.00	100.0
17	Select Backfill (Trenches)	2,400.00	CY	24.00	57,600.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
18	Granular Backfill (Trenches)	1,000.00	CY	30.00	30,000.00	1,749.3700	259.1600	2,008.5300	7,774.80	60,255.90	200.9
19	Pipe Casing (10-16" Steel)	60.00	LF	65.00	3,900.00	20.0000	0.0000	20.0000	0.00	1,300.00	33.3
20	T&B (0-4')	1,800.00	LF	4.00	7,200.00	1,552.0000	0.0000	1,552.0000	0.00	6,208.00	86.2
21	T&B (4-8')	1,700.00	LF	5.00	8,500.00	759.0000	160.0000	919.0000	800.00	4,595.00	54.1
22	T&B (8-12')	2,000.00	LF	6.00	12,000.00	1,341.5000	0.0000	1,341.5000	0.00	8,049.00	67.1
23	T&B (12' & Deeper)	300.00	LF	8.00	2,400.00	252.0000	0.0000	252.0000	0.00	2,016.00	84.0
24	Flowable Fill	300.00	CY	102.00	30,600.00	375.6500	0.0000	375.6500	0.00	38,316.30	125.2
25	Solid Sod	700.00	SY	3.00	2,100.00	794.5000	360.0000	1,154.5000	1,080.00	3,463.50	164.9
26	PC Conc. Pave. (10")	660.00	SY	82.00	54,120.00	65.5300	0.0000	65.5300	0.00	5,373.46	9.9
27	Deep Patch	430.00	SY	38.50	16,555.00	563.1800	14.0000	577.1800	539.00	22,221.43	134.2
28	C&G (Type A Barrier)	420.00	LF	27.50	11,550.00	186.0000	0.0000	186.0000	0.00	5,115.00	44.3
29	Conc. Drive (6")	30.00	SY	57.00	1,710.00	986.3900	0.0000	986.3900	0.00	56,224.23	3,288.0
30	Gravel Drive (6")	50.00	CY	46.50	2,325.00	503.0200	213.7500	716.7700	9,939.38	33,329.81	1,433.5

Forsgren, Inc.

Pay Estimate Summary Report

Invoice # 14

Invoice Date: 07/01/2020
 Dates Submitted: 06/01/2020 - 06/30/2020
Contract # 17-08-C1
 2016 Sanitary Sewer, Sub-Basin P004
 Job: 1912

Owner

City of Fort Smith Utilities Engineering Dept.
 801 Carnall Ave., Suite 500
 Fort Smith, AR 72901

Contractor

Forsgren, Incorporated
 3000 North 23rd Street
 Fort Smith, AR 72902

Pay Item	Description	Contract Quantities	Unit	Unit Price	Contract Amount	Previous Quantities	Current Quantities	Quantities to Date	Current Amount	Amount to Date	% Cmpl
31	R&R 30" RCP Cl.3	40.00	LF	90.00	3,600.00	20.0000	0.0000	20.0000	0.00	1,800.00	50.0
32	R&R 36" RCP Cl.3	40.00	LF	130.00	5,200.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
33	Precast Junc. Box	1.00	EA	3,850.00	3,850.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
34	8" C900 DR18 Water (OC)	950.00	LF	51.00	48,450.00	942.0000	0.0000	942.0000	0.00	48,042.00	99.2
35	Post TV Sewer (8")	8,000.00	LF	2.50	20,000.00	5,634.0000	1,228.0000	6,862.0000	3,070.00	17,155.00	85.8
36	Post TV Sewer (10")	1,390.00	LF	2.85	3,961.50	1,057.0000	0.0000	1,057.0000	0.00	3,012.45	76.0
37	Post TV Sewer (12")	300.00	LF	3.05	915.00	267.0000	0.0000	267.0000	0.00	814.35	89.0
38	8" SDR 26 Sewer (OC)	4,100.00	LF	42.00	172,200.00	2,718.5000	293.5000	3,012.0000	12,327.00	126,504.00	73.5
39	12" SDR 26 Sewer (OC)	300.00	LF	52.50	15,750.00	266.0000	0.0000	266.0000	0.00	13,965.00	88.7
40	Point Repair (6" SDR26 15' Max)	3.00	EA	3,700.00	11,100.00	2.0000	0.0000	2.0000	0.00	7,400.00	66.7
41	Point Repair (8" SDR26 15' Max)	1.00	EA	4,050.00	4,050.00	2.0000	0.0000	2.0000	0.00	8,100.00	200.0
42	4" Sch40 Service Line	2,200.00	LF	30.00	66,000.00	2,022.0000	174.0000	2,196.0000	5,220.00	65,880.00	99.8
43	8"x4" WYE	133.00	EA	195.00	25,935.00	56.0000	4.0000	60.0000	780.00	11,700.00	45.1
44	12"x4" WYE	10.00	EA	335.00	3,350.00	5.0000	0.0000	5.0000	0.00	1,675.00	50.0
45	Clean Out (4")	217.00	EA	275.00	59,675.00	137.0000	11.0000	148.0000	3,025.00	40,700.00	68.2
46	Standard Manhole (6' & Less)	62.00	EA	3,750.00	232,500.00	54.0000	2.0000	56.0000	7,500.00	210,000.00	90.3
47	Add. Depth MH (4' Dia)	170.00	VF	145.00	24,650.00	130.6800	4.9700	135.6500	720.65	19,669.25	79.8
48	MH Drop (4' & Less)	6.00	EA	1,800.00	10,800.00	5.0000	0.0000	5.0000	0.00	9,000.00	83.3
49	Add. Height MH Drop	30.00	VF	450.00	13,500.00	8.2100	0.0000	8.2100	0.00	3,694.50	27.4
50	R&D Ex. Manhole	60.00	EA	750.00	45,000.00	53.0000	0.0000	53.0000	0.00	39,750.00	88.3
51	R&R Frame & Cover	28.00	EA	575.00	16,100.00	22.0000	0.0000	22.0000	0.00	12,650.00	78.6
52	MH Grade Adj. F&C	3.00	EA	175.00	525.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
53	MH Lining up to 6' (4' Dia.)	5.00	EA	715.00	3,575.00	0.0000	7.0000	7.0000	5,005.00	5,005.00	140.0
54	Add. Depth MH Lining (4' Dia.)	20.00	VF	120.00	2,400.00	0.0000	20.9000	20.9000	2,508.00	2,508.00	104.5
55	8" HDPE SDR17 (PB)	1,800.00	LF	51.50	92,700.00	2,389.0000	350.0000	2,739.0000	18,025.00	141,058.50	152.2
56	10" HDPE SDR17 (PB)	1,400.00	LF	61.50	86,100.00	1,010.5000	0.0000	1,010.5000	0.00	62,145.75	72.2
57	Service Reinstatement (4")	75.00	EA	865.00	64,875.00	67.0000	10.0000	77.0000	8,650.00	66,605.00	102.7
58	Up to 4' Tall CL Fence	30.00	LF	35.00	1,050.00	245.6300	0.0000	245.6300	0.00	8,597.05	818.8
59	Chem. Grout Lower 18' MH	7.00	EA	600.00	4,200.00	6.0000	4.0000	10.0000	2,400.00	6,000.00	142.9
60	Clay Dam	17.00	EA	480.00	8,160.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
61	A&M Permit	1.00	EA	1,500.00	1,500.00	1.0000	0.0000	1.0000	0.00	1,500.00	100.0

Forsgren, Inc.

Pay Estimate Summary Report

Invoice # 14

Invoice Date: 07/01/2020
 Dates Submitted: 06/01/2020 - 06/30/2020
Contract # 17-08-C1
 2016 Sanitary Sewer, Sub-Basin P004
 Job: 1912

Owner

City of Fort Smith Utilities Engineering Dept.
 801 Carnall Ave., Suite 500
 Fort Smith, AR 72901

Contractor

Forsgren, Incorporated
 3000 North 23rd Street
 Fort Smith, AR 72902

Pay Item	Description	Contract Quantities	Unit	Unit Price	Contract Amount	Previous Quantities	Current Quantities	Quantities to Date	Current Amount	Amount to Date	% Cmpl
62	Ft. Smith RR Permit	1.00	EA	1,500.00	1,500.00	1.0000	0.0000	1.0000	0.00	1,500.00	100.0
63	A&M Flagging	5.00	DAYS	900.00	4,500.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
64	Ft. Smith RR Flagging	5.00	DAYS	900.00	4,500.00	0.0000	0.0000	0.0000	0.00	0.00	0.0
65	Tack Coat	70.00	GAL	9.00	630.00	55.0000	3.0000	58.0000	27.00	522.00	82.9
66	ACHM Surface Coarse (Ty.3)(2")	10.00	TN	215.00	2,150.00	86.6500	11.0000	97.6500	2,365.00	20,994.75	976.5
501	Install 8" DI Sewer Through Existing Inlet	0.00	LF	118.50	0.00	20.0000	0.0000	20.0000	0.00	2,370.00	0.0
502	Jet Existing Sewer Line	0.00	LF	6.00	0.00	197.0000	0.0000	197.0000	0.00	1,182.00	0.0
503	Rock Excavation (Trenches)	0.00	CY	76.00	0.00	224.0000	0.0000	224.0000	0.00	17,024.00	0.0
504	6" Sch40 Service Line	0.00	LF	46.00	0.00	15.0000	0.0000	15.0000	0.00	690.00	0.0
505	8"x6" WYE	0.00	EA	225.00	0.00	1.0000	0.0000	1.0000	0.00	225.00	0.0
506	Cast In Place Curb Inlet	0.00	EA	4,385.00	0.00	2.0000	0.0000	2.0000	0.00	8,770.00	0.0
*513	F&I 8" Ductile Iron Waterline	60.00	LF	249.00	14,940.00	60.0000	0.0000	60.0000	0.00	14,940.00	100.0
*514	Relocate Ex. Fire Hydrant	1.00	EA	2,756.98	2,756.98	1.0000	0.0000	1.0000	0.00	2,756.98	100.0
515	Epoxy Line Manhole Interior	0.00	EA	7,450.00	0.00	0.0000	1.0000	1.0000	7,450.00	7,450.00	0.0
Totals:					1,754,768.48				100,015.83	1,699,040.55	96.8

Original Contract Amount	1,737,071.50
Change Order Amount	17,696.98
Total Contract (\$)	1,754,768.48
Work Completed to Date	1,699,040.55
Stored Material	0.00
Total Complete/Stored/Pending (\$)	1,699,040.55
Less Retainage	0.00
Total [Less Retainage] (\$)	1,699,040.55
Adjustments	-3,500.00
Less Previously Requested	1,535,156.33
Amount Due This Request (\$)	160,384.22

Approved By: _____

Owner

Approved By: _____

Contractor

07.14.2020

Approved By: _____

MATERIAL ON HAND

PROJECT: SUB-BASIN P004 SEWER 17-08-C1
 OWNER: CITY OF FORT SMITH UTILITY DEPARTMENT
 CONTRACTOR: FORSGREN, INC.
 PAY ESTIMATE NO. 14

SUPPLIER'S NAME & INVOICE NO.	PREVIOUS INVOICES EACH	INVOICED THIS MONTH	PREVIOUSLY INSTALLED EST.	INSTALLED THIS MONTH EST.	TOTAL ON HAND	PAID INV. REC.	DESCRIPTION
A	B	C	D	E	F (B+C-D-E)	G	
Winwater							
043097 00	\$6,643.20	\$0.00	\$6,234.92		\$0.00	1	8" C900 DR18 CL235
	\$17,310.44	\$0.00	\$11,472.07	\$1,318.75	\$0.00	1	8" SDR26
	\$2,901.36	\$0.00	\$2,373.84		\$0.00	1	12" SDR26
	\$94.00	\$0.00	\$62.67		\$0.00	1	6" SDR26
	\$118.16	\$0.00	\$0.00		\$0.00	1	8" SDR26
	\$15,678.00	\$0.00	\$15,678.00		\$0.00	1	8" HDPE SDR17
	\$18,340.00	\$0.00	\$13,237.55		\$0.00	1	10" HDPE SDR17
49499	\$6,429.60	\$0.00	\$2,372.86	\$2,961.00	\$0.00	12	8" HDPE SDR17
TOTAL CURRENT MATERIALS	67514.76 \$0.00	\$0.00	\$51,431.91	\$4,279.75	\$0.00		

Project Summary

Project Name:
2016 SSA Remedial Measures, Sub-Basin P004

Project Number:
17-08-C1

Project Engineer:
RJN Group, Inc.

Project Contractor:
Forsgren Inc.

Notice to Proceed Issued:
5/20/2019

Project Status:
Complete

Today's Date:
July 20, 2020

Staff Contact Name:
Lance McAvoy

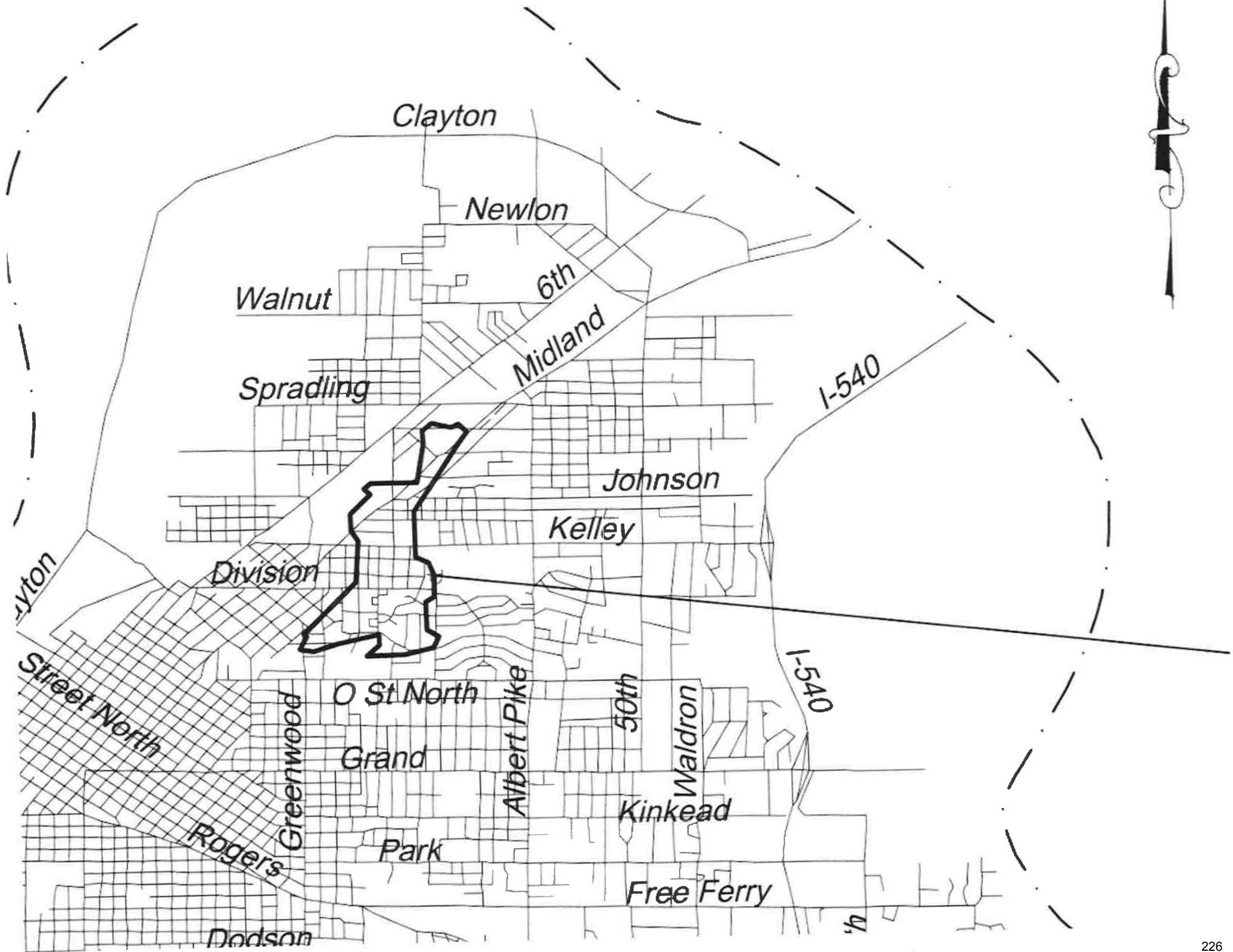
Staff Contact Phone:
479-784-2401

	Dollar Amount	Contract Time (Days)
Original Contract Amount:	\$1,737,071.50	330
Change Order 1:	\$17,696.98	14
Change Order: 2	\$0.00	48
Adjusted Contract:	<u>\$1,754,768.48</u>	<u>392</u>

Payments to date (as negative):	-\$1,535,156.33	
Retainage Held	\$0.00	
Final Cost of Project	\$1,699,040.55	
Liquidated Damages	-\$3,500.00	
Final Payment	\$160,384.22	
Contract Balance Remaining	\$59,227.93	-3.4%

Final Comments:

CO 1 was for unplanned work to replace and lower waterline and relocate fire hydrant. CO2 adds 48 weather days. Adjusted date for substantial completion results in 7 days of liquidated dammages at \$500 per day

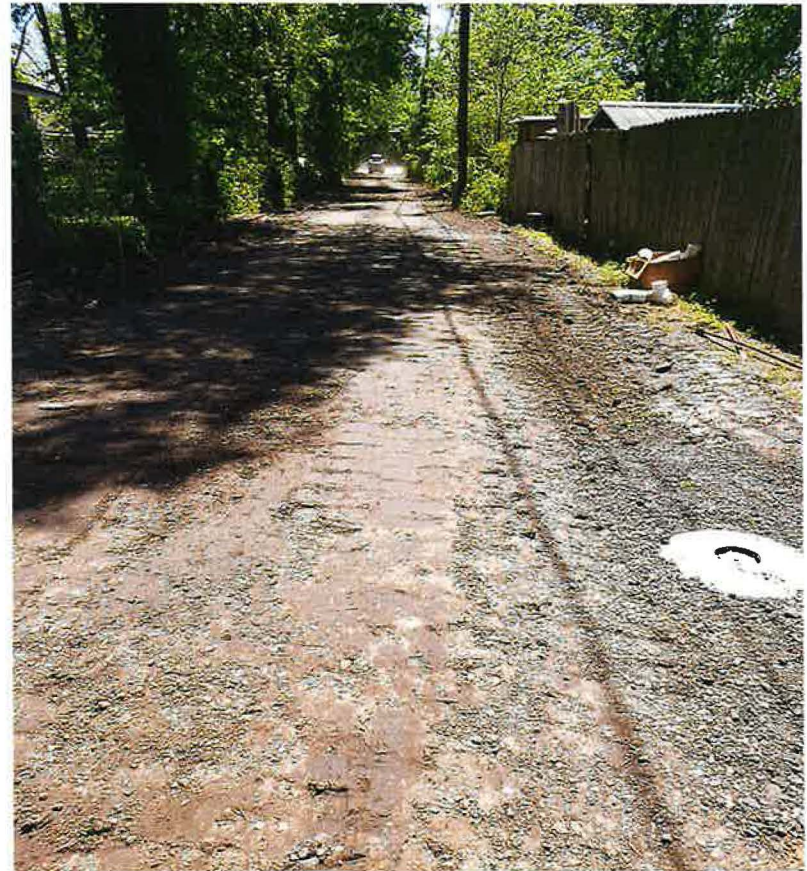
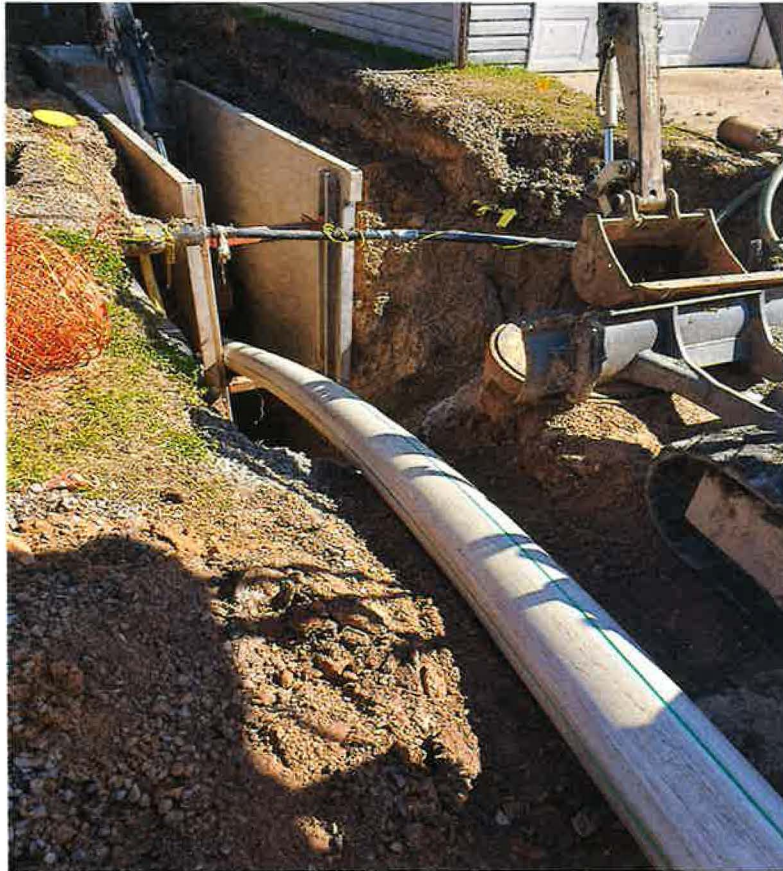


2016 SSA REMEDIAL MEASURES

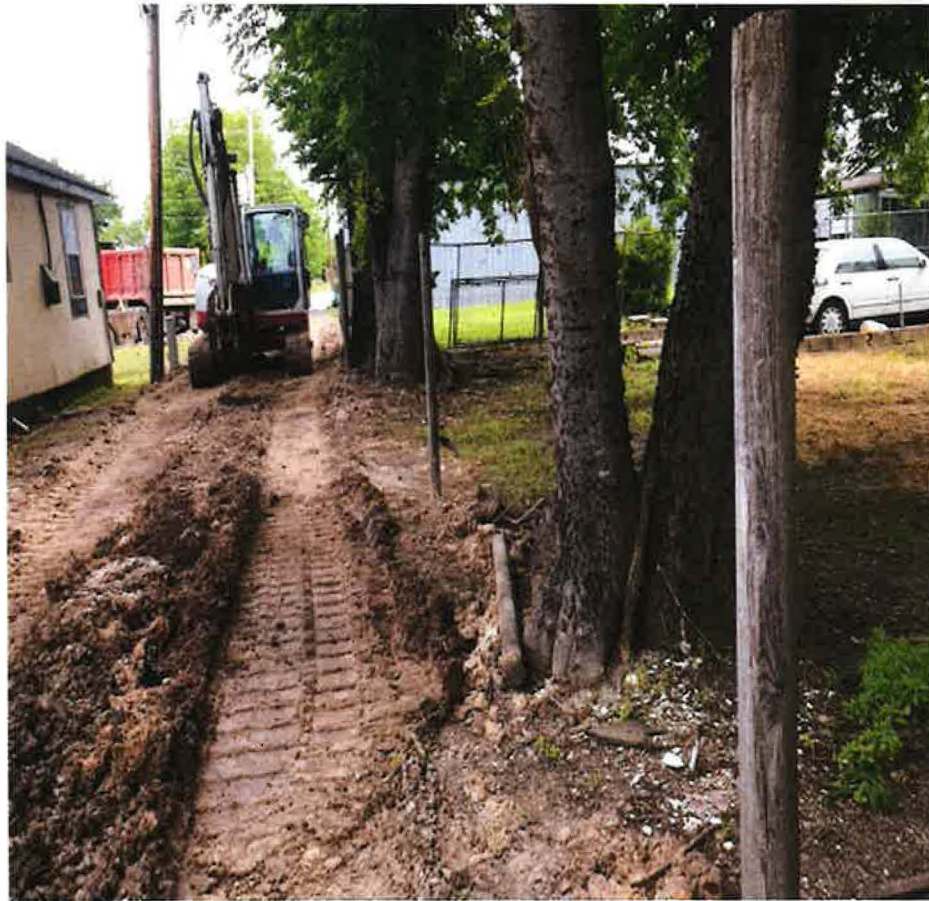
SUB-BASIN P004

17-08-C1

SUB-BASIN P004



SUB-BASIN P004



Comprehensive Plan Goal Supported By Wastewater Projects

- Ensure adequate, well-maintained infrastructure, public safety, and public facilities for all development and prevent development ahead of infrastructure and service provision. (FLU-1.4)
- Continue to ensure that customers within Fort Smith have access to reliable water, sewer, drainage, solid waste services by reducing or eliminating deficiencies and gaps in infrastructure systems (TI-5.1)
- Implement an infrastructure Asset Management Program as a tool for management of the utility department's water and sewer systems and to track, manage, and schedule necessary facility upgrades and improvements. (TI-5.1.1)
- Ensure that utility and infrastructure systems can meet the city's long-term needs. (TI-5.2)
- Coordinate land use planning and capital programming to ensure infrastructure improvements and extensions are phased to support the future land use pattern. (TI-5.2.1)
- Adopt criteria for prioritizing funding to infrastructure-related capital improvement projects. (TI-5.2.4)
- Provide new facilities in a manner that protects investments in existing facilities and promotes orderly growth. (PFS-4.2)