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March 8, 2024

Mr. James Clark  
Public Works Director  
City of Tontitown  
P.O. Box 305  
Tontitown, AR 72770

Re: Hwy 412 – Hwy 112  
Water and Sewer Relocations

Dear Mr. Clark:

Due to ArDOT's upcoming construction of Highway 612 from Old Highway 68 west of Tontitown to Highway 112 south of Cave Springs, the City of Tontitown must relocate several sections of water and gravity sewer lines that will be in conflict with the highway construction. An exhibit indicating the locations of the relocations is attached to this letter, as is a conceptual-level estimate of construction costs with breakdowns of reimbursement rate and non-construction costs.

At this stage, we estimate that the construction cost will be around \$3.73 million, with total project costs estimated to be around \$4.18 million. It is anticipated that Tontitown will ultimately be responsible for roughly \$37,607, which is 0.90 percent of the total cost, with ArDOT reimbursing the City for the remaining 99.10 percent.

The fee for professional services associated with this project is estimated to be \$285,000, which includes project management and administration, surveying (including preparation of easement acquisition documents), design, environmental services, and bidding. We request that the City Council authorize Garver to proceed with this this work.

Please call me if you have any questions.

Sincerely,

GARVER

Larry Gregory, PE  
Project Manager

Attachments: As Stated

L:\2018\18048026 - Tontitown On-Call Services 2024\Correspondence\Outgoing\2024-03-08 Clark - Hwy 412 - Hwy 112 W&S Relocations - Revised.docx



**CITY OF TONTITOWN**

**ARDOT JOB # 012326**

**Water & Sanitary Sewer Relocations**

**Hwy. 412 - Hwy. 112 (Springdale Bypass) (F)**

**10% Conceptual Design Submittal**

**March 8, 2024**

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
W1	Mobilization	LS	1	\$160,000.00	\$160,000.00
W2	Erosion Control	LS	1	\$40,000.00	\$40,000.00
W3	Traffic Control	LS	1	\$25,000.00	\$25,000.00
W4	Bonds and Insurance	LS	1	\$100,000.00	\$100,000.00
W5	Construction Staking	LS	1	\$20,000.00	\$20,000.00
W6	Trench Excavation Safety	LS	1	\$25,000.00	\$25,000.00
W7	Material and Acceptance Testing	LS	1	\$25,000.00	\$25,000.00
W8	Site Photos and Audio/Video Recordings	LS	1	\$5,000.00	\$5,000.00
W9	8" C900 DR-14 PVC Water Line	LF	6,380	\$110.00	\$701,800.00
W10	8" PC350 Ductile Iron Water Line	LF	2,840	\$150.00	\$426,000.00
W11	8"x8" Tapping Sleeve and Valve	EA	7	\$9,000.00	\$63,000.00
W12	6"x6" Tapping Sleeve and Valve	EA	2	\$7,500.00	\$15,000.00
W13	Ductile Iron Fittings for Water Line	LB	5,000	\$20.00	\$100,000.00
W14	Cut & Cap 8" Water Line	EA	7	\$5,000.00	\$35,000.00
W15	Cut & Cap 6" Water Line	EA	2	\$4,000.00	\$8,000.00
W16	18" PS115 PVC Sewer Line	LF	475	\$250.00	\$118,750.00
W17	18" Ductile Iron Sewer Line	LF	760	\$350.00	\$266,000.00
W18	12" SDR-26 PVC Sewer Line	LF	240	\$175.00	\$42,000.00
W19	12" Ductile Iron Sewer Line	LF	530	\$250.00	\$132,500.00



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**March 8, 2024**

W20	5' I.D. Cast-In-Place Manhole, 0'-6' Depth	EA	4	\$8,000.00	\$32,000.00
W21	5' I.D. Cast-In-Place Manhole, Additional Depth Over 6'	VF	20	\$400.00	\$8,000.00
W22	Class 7 Backfill	CY	400	\$75.00	\$30,000.00
W23	Bypass Pumping	LS	1	\$40,000.00	\$40,000.00
W24	Core and Connect To Existing Manhole	EA	4	\$5,000.00	\$20,000.00
W25	16" Steel Encasement by Open Cut	LF	2,060	\$250.00	\$515,000.00
W26	16" Bored Steel Encasement	LF	100	\$400.00	\$40,000.00
W27	20" Steel Encasement by Open Cut	LF	745	\$300.00	\$223,500.00
W28	30" Steel Encasement by Open Cut	LF	520	\$400.00	\$208,000.00
W29	Demolish Existing Manhole	EA	4	\$7,000.00	\$28,000.00
W30	Flowable Fill for Abandoned Lines	CY	100	\$300.00	\$30,000.00
W31	Pavement Repair and Site Restoration	LS	1	\$50,000.00	\$50,000.00
W32	Undercut and Backfill	CY	1,000	\$50.00	\$50,000.00
W33	Rock Excavation	CY	500	\$300.00	\$150,000.00
<b>10% Design - Total Opinion of Probable Construction Cost</b>					<b>\$3,732,550</b>



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**March 8, 2024**

**Cost Sharing Breakdown**

	<u>Length</u>	<u>Percentage</u>
Water and Sewer Lines Abandoned (excluding services) within Existing Right of Way	80	<b>0.90%</b>
Water and Sewer Lines Abandoned (excluding services) outside Existing Right of Way	8,818	<b>99.10%</b>
Total	8,898	<b>100.00%</b>

**Estimated Project Costs**

	<u>Estimated Amount</u>
Abstractor Record Research	\$30,000
Project Management and Administration	\$15,000
Surveys (including Easement Acquisition Documents)	\$100,000
Final Design	\$120,000
Environmental Services	\$40,000
Bidding Services	\$10,000
Easement Costs	\$10,000
Permits and Fees	\$1,000
Construction Administration and Observation	\$120,000
Construction Cost	\$3,732,550
<b>10% Design - Total Opinion of Probable Project Cost</b>	<b>\$4,178,550</b>
<b>City of Tontitown Responsibility</b>	<b>\$37,607</b>





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PRELIMINARY  
 (NOT FOR CONSTRUCTION)

REV.	DATE	DESCRIPTION	BY



CITY OF TONTITOWN  
 TONTITOWN, ARKANSAS  
 HWY. 612 UTILITY RELOCATES

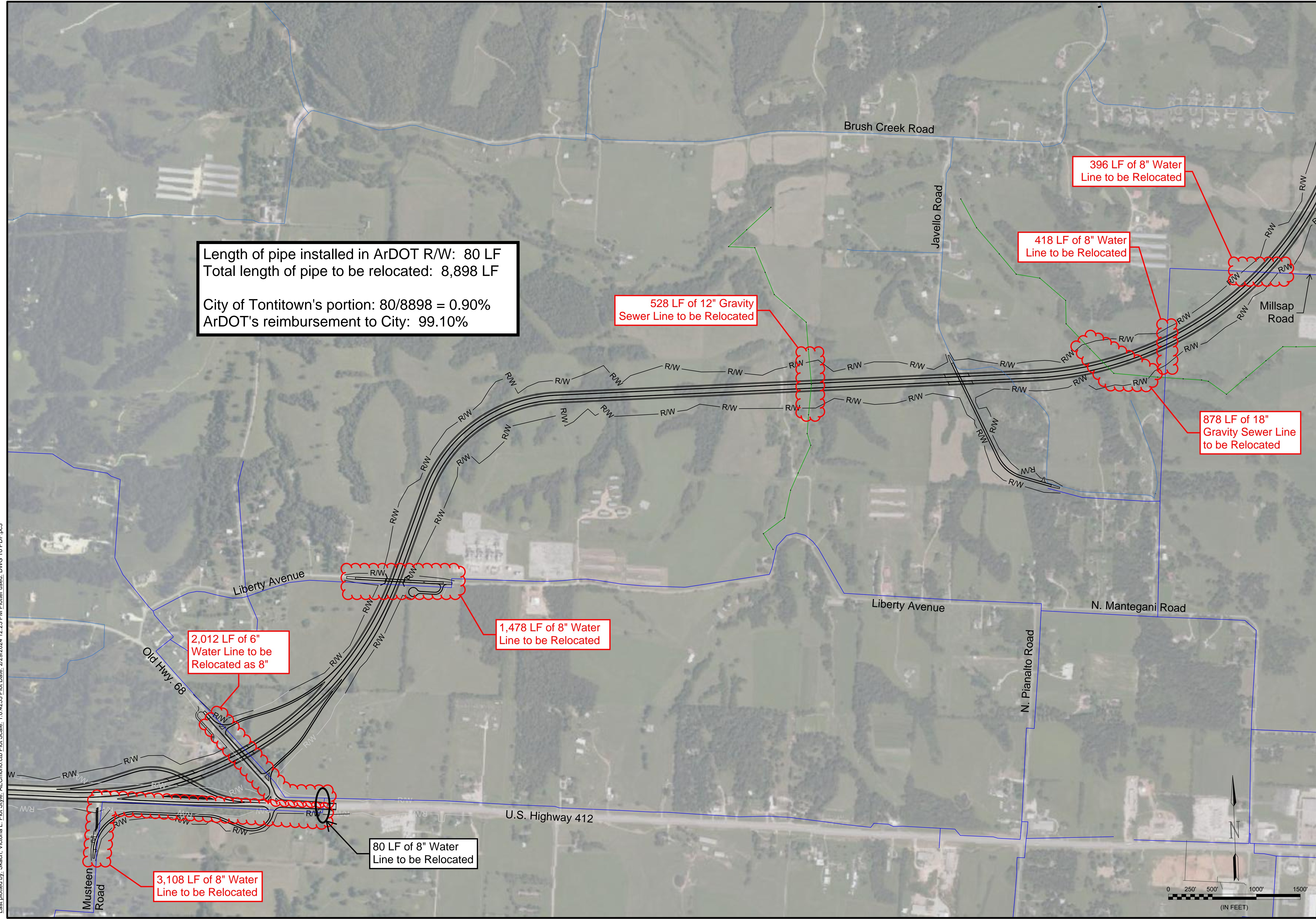
OVERALL EXHIBIT

JOB NO.: 18048026  
 DATE: MARCH 2024  
 DESIGNED BY: LFG  
 DRAWN BY: VLS

BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER



Length of pipe installed in ArDOT R/W: 80 LF  
 Total length of pipe to be relocated: 8,898 LF  
 City of Tontitown's portion: 80/8898 = 0.90%  
 ArDOT's reimbursement to City: 99.10%

396 LF of 8" Water Line to be Relocated

418 LF of 8" Water Line to be Relocated

528 LF of 12" Gravity Sewer Line to be Relocated

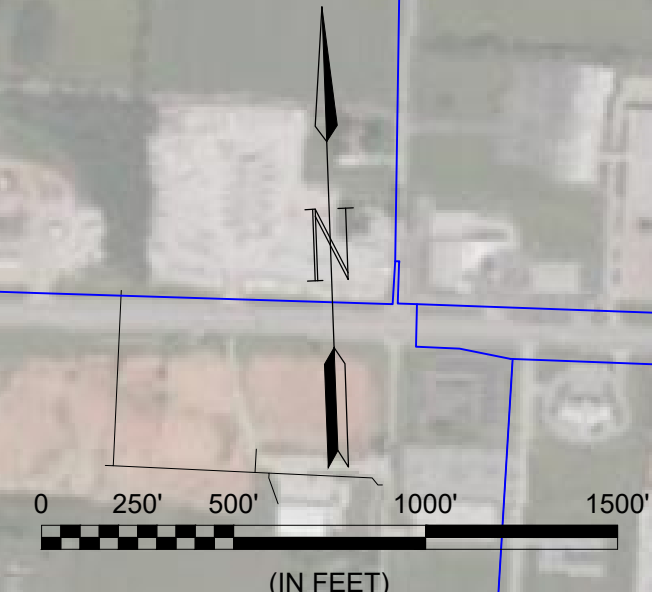
878 LF of 18" Gravity Sewer Line to be Relocated

2,012 LF of 6" Water Line to be Relocated as 8"

1,478 LF of 8" Water Line to be Relocated

80 LF of 8" Water Line to be Relocated

3,108 LF of 8" Water Line to be Relocated



File: L:\2018\18048026 - Tontitown On-Call Services\Drawings\612 W-S Relocates\Exhibit.dwg Last Save: 2/29/2024 12:23 PM Last saved by: VLSkach  
 Last plotted by: Skach, Victoria L. Plot Style: AECmonochrome.ctb Plot Scale: 10.4255 Plot Date: 2/29/2024 12:23 PM Plotter used: DWG To PDF.pc3