



4300 South J.B. Hunt Drive
Suite 240
Rogers, AR 72758
TEL 479.257.9188
www.GarverUSA.com



March 1, 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 seven sections of water and gravity sewer lines that will be in conflict with the highway construction. An exhibit indicating the locations of the seven 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 \$37,568, 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\2024-03-01 Clark - Hwy 412 - Hwy 112 W&S Relocations - Revised.docx



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PRELIMINARY
 (NOT FOR CONSTRUCTION)

| REV. | DATE | DESCRIPTION | BY |
|------|------|-------------|----|
| | | | |
| | | | |
| | | | |



CITY OF TONTITOWN
 TONTITOWN, ARKANSAS
 HWY. 612 UTILITY RELOCATES

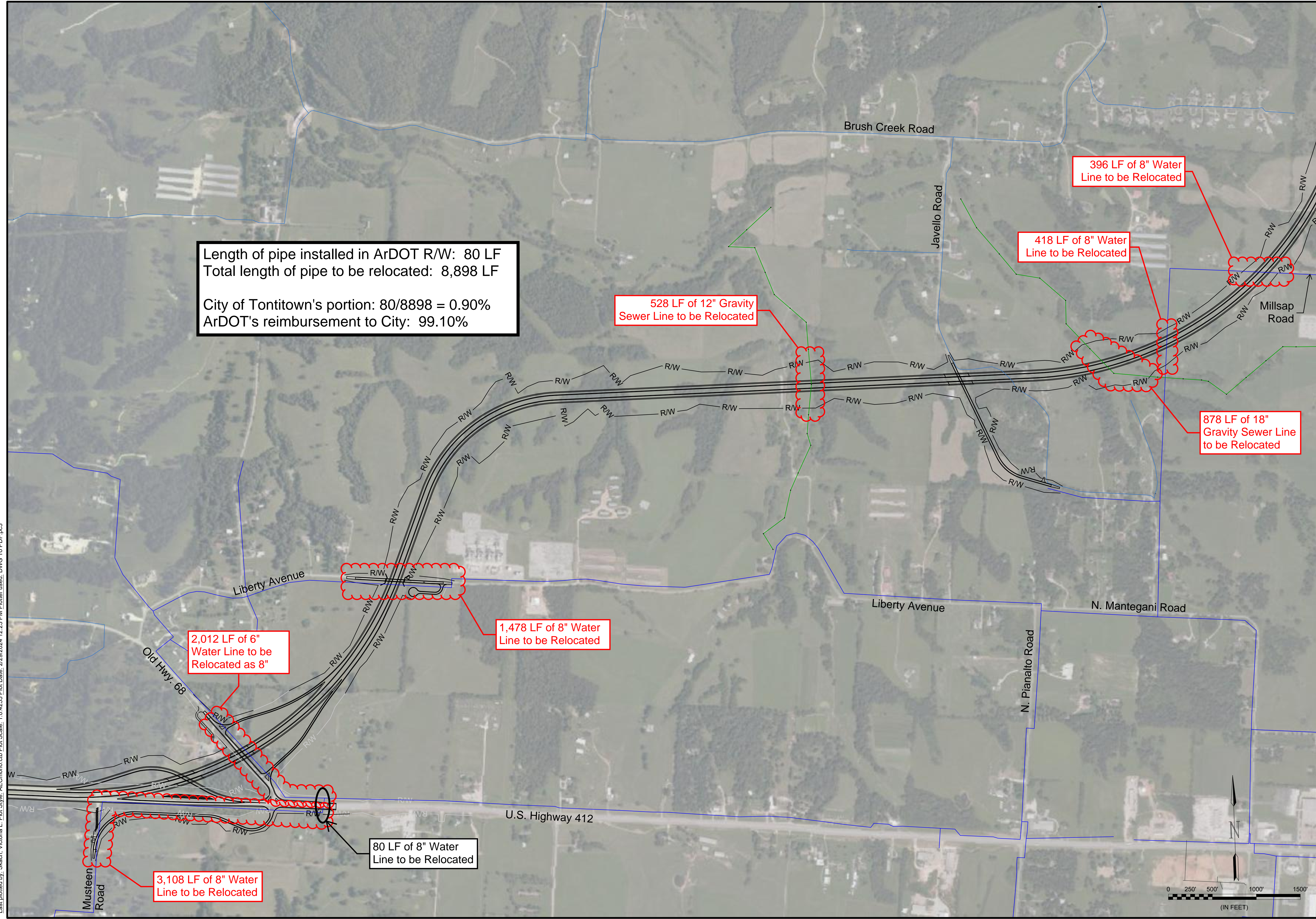
OVERALL EXHIBIT

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

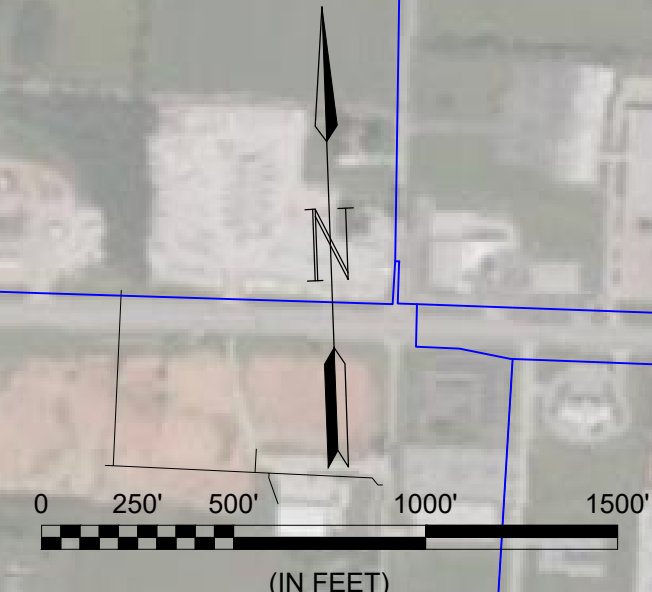
878 LF of 18" Gravity Sewer Line to be Relocated

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



CITY OF TONTITOWN

ARDOT JOB # 012326

Water & Sanitary Sewer Relocations

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

10% Conceptual Design Submittal

March 1, 2024

| Item | Description | Unit | Quantity | Unit Price | Amount |
|-------------|--|-------------|-----------------|-------------------|---------------|
| 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 |



CITY OF TONTITOWN

ARDOT JOB # 012326

Water & Sanitary Sewer Relocations

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

10% Conceptual Design Submittal

March 1, 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 |
| 10% Design - Total Opinion of Probable Construction Cost | | | | | \$3,732,550 |



CITY OF TONTITOWN

ARDOT JOB # 012326

Water & Sanitary Sewer Relocations

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

10% Conceptual Design Submittal

March 1, 2024

Cost Sharing Breakdown

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

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 |
| 10% Design - Total Opinion of Probable Project Cost | \$4,178,550 |
| City of Tontitown Responsibility | \$37,568 |