



DeKalb County Government

Manuel J. Maloof Center
1300 Commerce Drive
Decatur, Georgia 30030

Agenda Item

File ID: 2021-2183

Substitute

3/23/2021

Purchasing Type: Change Order (CO)

Public Hearing: YES NO

Department: Purchasing & Contracting

AGENDA ITEM:

Commission District(s): All

CO - Change Order No. 3 to Contract No. 1177081 Trenchless Sewer Line Rehabilitation and Construction and Televising Inspection Services (Savannah Contract: Event No. 5937/Buyer Contract No. 886 [DeKalb Cooperative Agreement]: for use by Department of Watershed Management (DWM). This contract is a cooperative agreement and consists of providing sewer line rehabilitation services; to include inspections, sewer line cleaning, and cured in place pipe. This request is to increase the scope of work, contract term through December 31, 2021, and funding. This request will allow for additional services and the continuation of existing sanitary sewer line rehabilitation services. Amount Not to Exceed: \$14,674,232.75. Awarded to Insituform Technologies, LLC.

Information Contact: Cathryn G. Horner, Director

Phone Number: (404) 371 -6334

PURPOSE:

Awarded by the BOC on August 13, 2019 for an amount not to exceed \$15,681,161.35. On July 28, 2020, the BOC approved Change Order No. 1 to increase funding in an amount not to exceed \$437,591.60. On December 8, 2020, the BOC approved Change Order No. 2 to increase scope of work and contract term to September 30, 2021. This contract consists of cooperatively purchasing from the competitively let City of Savannah annual contract for the provision of trenchless sewer rehabilitation services. This request will continue in the progress of completing needed sanitary sewer line rehabilitation around the County.

RECOMMENDATION:

Recommend approval of Change Order No. 3 with:

Insituform Technologies, LLC, 17988 Edison Avenue, Chesterfield, Missouri 63005

Amount Not to Exceed: \$14,674,232.75

and authorize the Chief Executive Officer to execute the amendment and all associated documents.

ADDITIONAL INFORMATION:

- | | |
|------------------------------|-----------------------------|
| 1. LSBE Participation: | 7.8% |
| 2. Mentor Protégé: | Rafter H. Development, Inc. |
| 3. Contract Effective Date: | October 10, 2019 |
| 4. Contract Expiration Date: | September 30, 2021 |



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5. Amount Spent To Date:

\$8,160,889.56

6. Funding:

Renewal & Extension

CIP Line No. 44 (DWM – WIFA and/or GEFA)

AGENDA NOTES

Solicitation Name and Number	Trenchless Sewer Line Rehabilitation and Construction and Televising Inspection Services (Savannah Contract: Event No. 5937/Buyer Contract No. 886 [DeKalb Cooperative Agreement])
Procurement Agent	Michelle Butler
Date Solicitation bid prices expires.	N/A
Solicitation Name, Number and Contract Number of expiring/expired contract	Trenchless Sewer Line Rehabilitation and Construction and Televising Inspection Services (Savannah Contract: Event No. 5937/Buyer Contract No. 886 [DeKalb Cooperative Agreement]) Contract No. 1177081 (Insituform Technologies, LLC)
Previous Contract Number, Contractor Name and Award Amount	\$16,118,752.95 Contract No. 1177081 (Insituform Technologies, LLC) \$ 15,681,161.35 Initial \$ 437,591.60 Change Order No. 1 \$ 0.00 Change Order No. 2 (Scope and Term Only)
Previous Amount Spent on Expiring/Expired Contract	\$8,160,889.56 Contract No. 1177081 (Insituform Technologies, LLC)
Prime Contractor Information and LSBE – Subcontractor	<p>Insituform Technologies, LLC (Prime) Charles Gordon, President and Chief Executive Officer Years in Business: 39 Years Doing Business with DeKalb: 17</p> <p><u>Rafter H Development, Inc. (RHD) (LSBE-MSA: Mentor Protégé) 7.8%</u> Tyler Roy Humble, Chief Executive Officer 2942 Cedar Mill Crossing, Acworth, Georgia 30102 Years in Business: 12 Years doing Business with DeKalb: 0 [as a Prime] <i>Access and Excavation Work</i> Amount Spent: \$1,403,094.86</p>
Attachments	User Department Change Order Request No. 3



PROPOSED CHANGE ORDER REQUEST

Department of Watershed Management

Contract Name: Sanitary Sewer Rehabilitation Services (Savannah Coop Agmt) Date: 12/16/2020

Contractor: Insituform Technologies, LLC

Contract Number: 1177081 Contract Amendment Number: 3

Contract Amendment Category: Cost Schedule Scope Deliverables

Original Contract \$ Amount:	Contract Start Date:	Original Contract Time:	Original Contract End Date:
\$15,681,161.35	10/10/2019	449	12/31/2020

NTP Start Date:	Original Performance Days:	Original Performance End Date:
10/10/2019	449	12/31/2020

Previous Change Order:	Previous Time Extensions (Days):	Previous Changes to \$ Amount:
Change Order No. 1:	0	\$437,591.60
Change Order No. 2:	272	\$0.00
Change Order No. 3:	0	\$0.00
Current Contract Amount:	Current Performance Time (Days):	Current Performance End Date:
\$16,118,752.95	721	9/30/2021

Description of Proposed Changes: Amendment/Change Order No. 3 is being proposed in order to provide DWM the ability to complete additional and important infrastructure upgrades for Large Diameter CIPP - sanitary sewer lining work totaling \$14.6M. The large diameter CIPP work is an outcome of the PASARP and OSARP condition assessment work. The CIPP approach completely renews existing sewers with a new pipe constructed inside the old worn out pipe. Construction disruption is lower than traditional excavation approaches. ITI has proven to be a "go-to" contractor for large diameter CIPP work across the US. They have also out performed all of the current contractors with similar scope doing business with DeKalb. Out of the \$16.1 million contract value, roughly \$13.13 million of work has been completed through November 30, 2020. Below are the remaining project locations that will be completed in 2021: 1) Briarwood - \$873,000, 2) Katie Kerr - \$1,200,000 and 3) Nancy Lane - \$1,188,000.

Justification of Proposed Changes: This change order will be utilized to provide the ability to continue progress to the implementation of the Consent Decree for the large diameter sanitary sewer CIPP and address immediate deficiencies in the water delivery to southern portions of DeKalb County. This scope will be eligible for GEFA or WIFIA funding as well.

Proposed Additional Performance Days:	Proposed Cumulative Performance Days:	Proposed Performance End Date:	Proposed Contract End Date:
0	0	9/30/2021	12/31/2021
Proposed Changes to Dollar Amount:	Proposed Cumulative Contract Amount:	Actual Amount Spent to Date 02.28.21:	ORACLE Spent To Date:
\$14,674,232.75	\$30,792,985.70	\$13,133,036.92	\$8,160,889.56

Note - detailed breakdowns of the CIPP projects (Emory, Cosmos, and Goat Trail) are attached to this Change Order for reference and supporting details (bid items, owners allowance etc.)

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Describe Any Risk Associated With This Change: The progress of the renewal of large diameter sewers towards the ongoing Consent Decree would be reduced and would have to be accomplished by other means. Without the Katie Kerr Watermain sliplining project, the affected residents would continue to be potentially impacted by a lower level of water service.

Effect of NOT Approving This Change: Other contracting mechanisms would need to be used, consuming additional time and effort within the DWM and DeKalb organization. This work is necessary and important to the ongoing efforts to improve system reliability and integrity.

Engineering Manager's Approval:

- Accepted
- Rejected

Signature: Cassandra M. Marshall
Print Name: Cassandra Marshall
Date: January 7, 2021

Digitally signed by Cassandra M. Marshall
DN: cn=Cassandra M. Marshall, o=DeKalb County, ou=DeKalb County, email=Cassandra.M.Marshall@dekalbcountyga.gov, c=US
Date: 2021.01.07 13:24:29 -0500

Watershed Director's Approval:

- Accepted
- Rejected

Signature: Reginald Wells
Print Name: Reginald Wells
Date: January 7, 2021

Digitally signed by Reginald Wells
Date: 2021.01.07 14:11:11 -0500

Chief Operating Officer's Approval:

- Accepted
- Rejected

Signature: [Handwritten Signature]
Print Name: Zachary L. Williams
Date: 1/11/21

Contract Name: Trenchless Sewer Line Rehabilitation and Construction and Televising Inspection Services City of Savannah Cooperative Agreement

Contractor: Insituform Technologies, LLC

Contract Number: 1177081

Contract Amendment Number: 3

DeKalb County - Insituform Co-op
Phase 1 - Emory, Cosmos and Goat Trail Areas

Bid Item	Description	Unit of Measure	Bid Quantity	Bid Price	Total
1	Sewer Line – CIP 30-inch x 15mm	LF	2,269	\$ 219.20	\$ 497,364.80
2	Sewer Line – CIP 36-inch x 18mm	LF	7,591	\$ 265.30	\$ 2,013,892.30
3	Sewer Line – CIP 40-inch x 19.5mm	LF	476	\$ 301.20	\$ 143,371.20
4	Sewer Line – CIP 42-inch x 21mm	LF	473	\$ 313.60	\$ 148,332.80
5	Sewer Line – CIP 48-inch x 24mm	LF	3,498	\$ 404.10	\$ 1,413,541.80
6	Service Lateral Reconnection	EA	12	\$ 115.60	\$ 1,387.20
7	Mobilization - CIPP Crew	EA	9	\$ 6,485.00	\$ 58,365.00
8	TV Inspection > 12-inch pipe	LF	14,307	\$ 2.60	\$ 37,198.20
9	Cleaning 30-inch lines	LF	2,269	\$ 4.20	\$ 9,529.80
10	Cleaning 36-inch lines	LF	7,591	\$ 5.30	\$ 40,232.30
11	Cleaning 40-inch lines	LF	476	\$ 6.00	\$ 2,856.00
12	Cleaning 42-inch lines	LF	473	\$ 6.30	\$ 2,979.90
13	Cleaning 48-inch lines	LF	3,498	\$ 6.90	\$ 24,136.20
14	Mobilization - Clean and TV Crew	EA	5	\$ 1,060.00	\$ 5,300.00
15	CIPP - Additional 30-inch 1.5mm	LF	2,278	\$ 9.25	\$ 21,071.50
16	CIPP - Additional 36-inch 1.5mm	LF	0	\$ 10.50	\$ -
17	CIPP - Additional 40-inch 1.5mm	LF	476	\$ 11.25	\$ 5,355.00
18	CIPP - Additional 42-inch 1.5mm	LF	946	\$ 11.75	\$ 11,115.50
19	CIPP - Additional 48-inch 1.5mm	LF	5,066	\$ 13.25	\$ 67,124.50
20	Sewer debris removal, hauling, and disposal	Ton	190	\$ 450.00	\$ 85,500.00
21	Mobilization - Excavation/Access Contractor	EA	5	\$ 5,000.00	\$ 25,000.00
22	Clearing	LF	13,757	\$ 35.75	\$ 491,812.75
23	Manhole Disassemble & Reassemble	VF	303	\$ 810.00	\$ 245,430.00
24	Manhole - Cone/Top Removal and Replacement	EA	14	\$ 2,950.00	\$ 41,300.00
25	Creek crossing	LF	410	\$ 560.00	\$ 229,600.00
26	Existing Fence Removal and Replacement (Wood or Chain-Link)	LF	395	\$ 105.00	\$ 41,475.00
27	Sod Restoration	SY	17,399	\$ 16.50	\$ 287,083.50
28	Grading of Existing Soil	SY	17,847	\$ 15.00	\$ 267,705.00
29	Rock Road/Construction Entrance (Left in Place)	LF	12,506	\$ 37.00	\$ 462,722.00
30	Asphalt Pavement Repair	SY	80	\$ 200.00	\$ 16,000.00
31	Concrete Pavement Repair	SY	75	\$ 150.00	\$ 11,250.00
32	Street trenching	LF	40	\$ 150.00	\$ 6,000.00
33	Silt Fencing (per single run)	LF	20,678	\$ 7.25	\$ 149,915.50
34	Hay Bales	EA	5,787	\$ 55.00	\$ 318,285.00
35	Placement of Crushed Stone/Soil	CY	2,000	\$ 95.00	\$ 190,000.00
36	Dog House Manhole Installation	VF	60	\$ 1,000.00	\$ 60,000.00
37	Removal/Replacement of Existing Guardrail	LF	0	\$ 75.00	\$ -
38	Bypass - Emory	LS	1		\$ 1,728,000.00
	Setup for 3" - 6" Pump (setup and demob)	EA	4	\$ 49,000.00	\$ 196,000.00
	3" to 6" Pump	HR	768	\$ -	\$ -
	Setup for 6" - 12" Pump (setup and demob)	EA	4	\$ 49,000.00	\$ 196,000.00
	6" to 12" Pump	HR	4,320	\$ 125.41	\$ 541,750.00
	Discharge Line (3-6) included w/pumps	LF	1,150	\$ -	\$ -
	Discharge Line (6-12) included w/pumps	LF	12,000	\$ -	\$ -
	Pump Watch Main	Days	45	\$ 13,750.00	\$ 618,750.00
	Pump Watch Laterals	Days	8	\$ 3,250.00	\$ 26,000.00
	Demobilization	LS	1	\$ 149,500.00	\$ 149,500.00
39	Bypass - Cosmos	LS	1		\$ 1,010,000.00
	Setup for 3" - 6" Pump (setup and demob)	EA	7	\$ 28,800.00	\$ 201,600.00
	3" to 6" Pump	HR	2,016	\$ -	\$ -
	Setup for 6" - 12" Pump (setup and demob)	EA	3	\$ 28,800.00	\$ 86,400.00
	6" to 12" Pump	HR	1,800	\$ 165.97	\$ 298,750.00
	Discharge Line (3-6) included w/pumps	LF	2,200	\$ -	\$ -
	Discharge Line (6-12) included w/pumps	LF	4,000	\$ -	\$ -

DeKalb County - Insituform Co-op
Phase 1 - Emory, Cosmos and Goat Trail Areas

Bid Item	Description	Unit of Measure	Bid Quantity	Bid Price	Total
	Pump Watch Main	Days	25	\$ 11,450.00	\$ 286,250.00
	Pump Watch Laterals	Days	12	\$ 3,250.00	\$ 39,000.00
	Demobilization	LS	1	\$ 98,000.00	\$ 98,000.00
	Bypass - Goat Trails	LS	1		\$ 2,835,000.00
	Bypass 1				
	Setup for 3" - 6" Pump (setup and demob)	EA	6	\$ 41,062.50	\$ 246,375.00
	3" to 6" Pump	HR	2,592	\$ -	\$ -
	Setup for 6" - 12" Pump (setup and demob)	EA	2	\$ 41,062.50	\$ 82,125.00
	6" to 12" Pump	HR	1,584	\$ 315.66	\$ 500,000.00
	Discharge Line (3-6) included w/pumps	LF	1,000	\$ -	\$ -
	Discharge Line (6-12) included w/pumps	LF	5,000	\$ -	\$ -
	Pump Watch Main	Days	33	\$ 11,450.00	\$ 377,850.00
	Pump Watch Laterals	Days	18	\$ 3,250.00	\$ 58,500.00
	Demobilization	LS	1	\$ 87,400.00	\$ 87,400.00
	Bypass 2				
	Setup for 3" - 6" Pump (setup and demob)	EA	5	\$ 36,414.29	\$ 182,071.43
	3" to 6" Pump	HR	960	\$ -	\$ -
	Setup for 6" - 12" Pump (setup and demob)	EA	2	\$ 36,414.29	\$ 72,828.57
	6" to 12" Pump	HR	576	\$ 482.64	\$ 278,000.00
	Discharge Line (3-6) included w/pumps	LF	0	\$ -	\$ -
	Discharge Line (6-12) included w/pumps	LF	0	\$ -	\$ -
	Pump Watch Main	Days	12	\$ 11,450.00	\$ 137,400.00
	Pump Watch Laterals	Days	8	\$ 3,250.00	\$ 26,000.00
	Demobilization	LS	1	\$ 82,500.00	\$ 82,500.00
	Bypass 3				
	Setup for 3" - 6" Pump (setup and demob)	EA	5	\$ 35,478.57	\$ 177,392.86
	3" to 6" Pump	HR	720	\$ -	\$ -
	Setup for 6" - 12" Pump (setup and demob)	EA	2	\$ 35,478.57	\$ 70,957.14
	6" to 12" Pump	HR	384	\$ 682.29	\$ 262,000.00
	Discharge Line (3-6) included w/pumps	LF	0	\$ -	\$ -
	Discharge Line (6-12) included w/pumps	LF	0	\$ -	\$ -
	Pump Watch Main	Days	8	\$ 11,450.00	\$ 91,600.00
	Pump Watch Laterals	Days	6	\$ 3,250.00	\$ 19,500.00
	Demobilization	LS	1	\$ 82,500.00	\$ 82,500.00
40	Matting - Emory	WK	18	\$ 30,750.00	\$ 553,500.00
	Matting - Goat Trail	WK	12	\$ 2,750.00	\$ 33,000.00
41	Traffic Control (permits, devices, flagmen,etc.)	AL	1	\$ 55,000.00	\$ 55,000.00
42	Testing	AL	1	\$ 27,500.00	\$ 27,500.00
43	Owner Controlled Allowance	AL	1	\$ 1,000,000.00	\$ 1,000,000.00
					\$ 14,674,232.75

Owner: DEKALB COUNTY GEORGIA	Lender: N/A	Application No.: 10
Contractor: INSITUFORM TECHNOLOGIES 2302 Parklake Drive, NE, Suite 535, Atlanta, GA 30345	Project Name: INSITUFORM/SAVANNAH CIP PROGRAM	Period To: 2/28/2021
Project No.: CONTRACT No. 11770801		PO #1187095

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as show below, in connection with the Contract. Continuation Sheet is attached.

1. ORIGINAL CONTRACT SUM	15,681,161.35
2. NET CHANGE BY CHANGE ORDERS	1,689,116.10
3. CONTRACT SUM TO DATE (line 1+ 2)	17,370,277.45
4. TOTAL COMPLETED & STORED TO DATE (column I on continuation sheet)	13,133,036.92
5. LESS RETAINAGE (column J on continuation sheet)	805,937.65
6. TOTAL EARNED LESS RETAINAGE (line 4 less line 5)	12,327,099.27
7. LESS PREVIOUS (PAYMENTS) (line 6 from prior application)	10,894,090.10
8. CURRENT PAYMENT DUE	1,433,009.17
9. AMOUNT OF MATR. PAID BY OWNER	0.00
10. AMT. LESS MATR. PAID BY OWNER	1,433,009.17
9. BALANCE TO FINISH INCLUDING RETAINAGE (line 3 less line 6)	5,043,178.19
10. PERCENT COMPLETED % (line 4 divided by line 3)	76%

CHANGE ORDER SUMMARY	(A) Additions	(B) Deductions
	\$ -	
Previous Approved Total:		
Changes: Additional Project Fund:		
(= Col. D of Continuation Sheet) Totals	\$0.00	\$0.00
NET CHANGES (columns a + b)	\$0.00	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief, the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due. *With the exception of the items noted in the change order summary, there have been no other changes in the work or change orders agreed by any party. I understand that the Lender, in financing this project on behalf of the Owner, must approve all change orders or changes in scope, regardless of whether such change involves a change in the contract sum.*

CONTRACTOR: INSITUFORM TECHNOLOGIES

By:

NOTARY PUBLIC:

State of: Georgia
 County of: Jasper (Notary Seal)
 Subscribed and sworn to before me this 5th day of March, 2021
 Notary Public: _____ My Commission expires: 06/04/24

ENGINEER 'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ENGINEER:

By: _____ Date: _____

If the Owner has retained the services of the Architect of Record to perform contract administration oversight, then the Architect of Record needs to certify this Application for Payment.

OWNER'S ACKNOWLEDGEMENT:

To the best of the Owner's knowledge, the information contained herein is accurate and the Owner is satisfied with the progress and quality of the work performed to date.

OWNER:

By: _____ Date: _____

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

APPLICATION NO: **10**

Contractor's signed certification is attached.

APPLICATION DATE: 3/5/2021

In tabulations below, amounts are stated to the nearest dollar.

PERIOD TO: 2/28/2021

Use Column I on Contracts where variable retainage for line items may apply.

ARCHITECT'S PROJECT NO: **CONTRACT No. 1177081** **SUMMARY SHEET**

PO # 1187095

A ITEM NO.	B DESCRIPTION OF WORK	C SCHD VALUE	C-1 UNITS	C-2 BID QTY	C-3 UNIT PRICE	C-4 SCHEDULED VALUE	C-5 QTY PREVIOUS APPLICATION	D WORK COMPLETED			F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G			H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
								FROM PREVIOUS APPLICATION	QTY THIS APPLICATION	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)			
1	Sewer Line – CIP 8 x 6.0mm		LF	103120	\$ 31.70	\$ 3,268,904.00	82420.1	2,612,717.17	4653	147,500.10	\$ 2,760,217.27	84%	508,686.73	244,382.27		
2	Sewer Line – CIP 10 inch x 7.5mm		LF	3133	\$ 39.70	\$ 124,380.10	582	23,105.40	181	7,185.70	\$ 30,291.10	24%	94,089.00	2,310.54		
3	Sewer Line – CIP 12 inch x 9mm		LF	884	\$ 58.90	\$ 52,067.60		0.00		0.00	\$ -	0%	52,067.60	0.00		
4	Sewer Line – CIP 18 inch x 13mm		LF	255	\$ 112.20	\$ 28,611.00		0.00	0	0.00	\$ -	0%	28,611.00	0.00		
5	Sewer Line – CIP 24 inch x 15mm		LF	2427	\$ 147.50	\$ 357,982.50	1778.1	262,269.75		0.00	\$ 262,269.75	73%	95,712.75	0.00		
6	Sewer Line – CIP 36 inch x 18mm		LF	2675	\$ 265.30	\$ 709,677.50		0.00		0.00	\$ -	0%	709,677.50	0.00		
7	Sewer Line – CIP 42 inch x 21mm		LF	1403	\$ 313.60	\$ 439,980.80	1430	448,448.00	445	139,552.00	\$ 588,000.00	134%	(148,019.20)	0.00		
8	Sewer Line – CIP 48 inch x 24mm		LF	3799	\$ 404.10	\$ 1,535,175.90	3378.5	1,365,251.85	790	319,239.00	\$ 1,684,490.85	110%	(149,314.95)	38,512.93		
9	Sewer Line – CIP 54 inch x 26mm		LF	572	\$ 456.70	\$ 261,232.40		0.00	594	271,279.80	\$ 271,279.80	104%	(10,047.40)	0.00		
10	Service Lateral Reinstatement		EA	2164	\$ 115.60	\$ 250,158.40	1584	183,110.40	202	23,351.20	\$ 206,461.60	83%	43,696.80	18,311.04		
11	Mobilization - CIPP crews		EA	35	\$ 6,485.00	\$ 226,975.00	32	207,520.00	2	12,970.00	\$ 220,490.00	97%	6,485.00	19,455.00		
12	TV Inspection < 12 inch pipe		LF	106253	\$ 2.10	\$ 223,131.30	109877.6	230,742.96		0.00	\$ 230,742.96	103%	(7,611.66)	23,074.30		
13	TV Inspection > 12 inch pipe		LF	12015	\$ 2.60	\$ 31,239.00	6628	17,232.80	0	0.00	\$ 17,232.80	55%	14,006.20	676.26		
14	Protruding Tap Removal 8 - 12		EA	100	\$ 79.30	\$ 7,930.00	33	2,616.90		0.00	\$ 2,616.90	33%	5,313.10	261.69		
15	Protruding Tap Removal 15 - 24		EA	20	\$ 79.30	\$ 1,586.00		0.00		0.00	\$ -	0%	1,586.00	0.00		
16	Cleaning 8 inch lines		LF	103120	\$ 2.10	\$ 216,552.00	95341.6	200,217.36		0.00	\$ 200,217.36	92%	16,334.64	20,021.74		
17	Cleaning 10 inch lines		LF	3133	\$ 2.40	\$ 7,519.20	1969	4,725.60		0.00	\$ 4,725.60	63%	2,793.60	472.56		
18	Cleaning 12 inch lines		LF	884	\$ 2.60	\$ 2,298.40	510	1,326.00		0.00	\$ 1,326.00	58%	972.40	132.60		
19	Cleaning 18 inch lines		LF	255	\$ 3.20	\$ 816.00		0.00		0.00	\$ -	0%	816.00	0.00		
20	Cleaning 24 inch lines		LF	2427	\$ 3.70	\$ 8,979.90	1778.1	6,578.97		0.00	\$ 6,578.97	73%	2,400.93	0.00		
21	Cleaning 36 inch lines		LF	2675	\$ 5.30	\$ 14,177.50		0.00		0.00	\$ -	0%	14,177.50	0.00		
22	Cleaning 42 inch lines		LF	1403	\$ 6.30	\$ 8,838.90	1430	9,009.00	442	2,784.60	\$ 11,793.60	133%	(2,954.70)	900.90		
23	Cleaning 48 inch lines		LF	3799	\$ 6.90	\$ 26,213.10	3378.5	23,311.65	764	5,271.60	\$ 28,583.25	109%	(2,370.15)	807.99		
24	Cleaning 54 inch lines		LF	572	\$ 7.40	\$ 4,232.80		0.00	594	4,395.60	\$ 4,395.60	104%	(162.80)	0.00		
25	Mobilization - Clean and TV Crew		EA	20	\$ 1,060.00	\$ 21,200.00	19	20,140.00		0.00	\$ 20,140.00	95%	1,060.00	1,802.00		
26	Heavy Root Cleaning 8 inch		LF	30000	\$ 3.20	\$ 96,000.00	11450	36,640.00		0.00	\$ 36,640.00	38%	59,360.00	3,664.00		
27	Heavy Root Cleaning 10 inch		LF	1000	\$ 3.70	\$ 3,700.00	659	2,438.30		0.00	\$ 2,438.30	66%	1,261.70	243.83		
28	Heavy Root Cleaning 12 inch		LF	884	\$ 4.20	\$ 3,712.80		0.00		0.00	\$ -	0%	3,712.80	0.00		
29	Heavy Root Cleaning 18 inch		LF	255	\$ 4.80	\$ 1,224.00		0.00		0.00	\$ -	0%	1,224.00	0.00		
30	Heavy Root Cleaning 24 inch		LF	500	\$ 5.30	\$ 2,650.00		0.00		0.00	\$ -	0%	2,650.00	0.00		
31	Heavy Root Cleaning 36 inch		LF	500	\$ 6.30	\$ 3,150.00		0.00		0.00	\$ -	0%	3,150.00	0.00		
32	Heavy Root Cleaning 42 inch		LF	500	\$ 6.90	\$ 3,450.00		0.00		0.00	\$ -	0%	3,450.00	0.00		
33	Heavy Root Cleaning 48 inch		LF	500	\$ 7.40	\$ 3,700.00		0.00		0.00	\$ -	0%	3,700.00	0.00		
34	Heavy Root Cleaning 54 inch		LF	500	\$ 7.90	\$ 3,950.00		0.00		0.00	\$ -	0%	3,950.00	0.00		
35	Tuberculation Removal < 12		LF	1000	\$ 5.30	\$ 5,300.00	66	349.80		0.00	\$ 349.80	7%	4,950.20	34.98		

36	CIPP - Additional 8" 1.5mm		LF	103120	\$ 2.75	\$ 283,580.00	82420.1	226,655.28	4653	12,795.75		\$ 239,451.03	84%	44,128.98	21,200.36
37	CIPP - Additional 36" 1.5mm		LF	4687	\$ 10.50	\$ 49,213.50		0.00		0.00		\$ -	0%	49,213.50	0.00
38	CIPP - Additional 42" 1.5mm		LF	2941	\$ 11.75	\$ 34,556.75	2550	29,962.50	612	7,191.00		\$ 37,153.50	108%	(2,596.75)	2,996.25
39	CIPP - Additional 48" 1.5mm			2880	\$ 13.25	\$ 38,160.00	2114	28,010.50		0.00		\$ 28,010.50	73%	10,149.50	2,801.05
40	CIPP - Additional 54" 1.5mm		LF	2097	\$ 15.00	\$ 31,455.00		0.00	741.34	11,120.10		\$ 11,120.10	35%	20,334.90	0.00
41	Sewer debris removal haul, disposal		TON	250	\$ 450.00	\$ 112,500.00	57.98	26,091.00		0.00		\$ 26,091.00	23%	86,409.00	2,609.10
42	Mobilization - Excavation/Access Contractor		EA	10	\$ 5,000.00	\$ 50,000.00	5	25,000.00	2	10,000.00		\$ 35,000.00	70%	15,000.00	2,500.00
43	Clearing		LF	8000	\$ 35.75	\$ 286,000.00	7901	282,460.75		0.00		\$ 282,460.75	99%	3,539.25	28,246.08
44	MH - Disassemble & Reassemble		VF	75	\$ 810.00	\$ 60,750.00		0.00		0.00		\$ -	0%	60,750.00	0.00
45	MH - Cone/Top Removal		EA	25	\$ 2,950.00	\$ 73,750.00	6	17,700.00		0.00		\$ 17,700.00	24%	56,050.00	1,770.00
46	Creek Crossing		LF	100	\$ 560.00	\$ 56,000.00	60	33,600.00		0.00		\$ 33,600.00	60%	22,400.00	3,360.00
47	Fence Removal/Replacement		LF	100	\$ 105.00	\$ 10,500.00	115	12,075.00		0.00		\$ 12,075.00	115%	(1,575.00)	1,207.50
48	Sod Restoration		SY	1500	\$ 16.50	\$ 24,750.00	444	7,326.00		0.00		\$ 7,326.00	30%	17,424.00	732.60
49	Grade Soil		SY	1500	\$ 15.00	\$ 22,500.00	1030	15,450.00		0.00		\$ 15,450.00	69%	7,050.00	1,545.00
50	Temp Road and Construction Entrance		LF	500	\$ 50.00	\$ 25,000.00	100	5,000.00		0.00		\$ 5,000.00	20%	20,000.00	500.00
51	Asphalt Pavement Repair		SY	100	\$ 200.00	\$ 20,000.00		0.00		0.00		\$ -	0%	20,000.00	0.00
52	Concrete Pavement Repair		SY	100	\$ 280.00	\$ 28,000.00		0.00		0.00		\$ -	0%	28,000.00	0.00
53	Street Trenching		LF	150	\$ 135.00	\$ 20,250.00		0.00		0.00		\$ -	0%	20,250.00	0.00
54	Silt Fencing (per single run)		LF	12000	\$ 7.25	\$ 87,000.00	20463	148,356.75		0.00		\$ 148,356.75	171%	(61,356.75)	14,835.68
55	Hay Bales		EA	2000	\$ 55.00	\$ 110,000.00	1422	78,210.00		0.00		\$ 78,210.00	71%	31,790.00	7,821.00
56	Crushed Stone/Soil In-Place		CY	300	\$ 175.00	\$ 52,500.00	1315	230,125.00		0.00		\$ 230,125.00	438%	(177,625.00)	23,012.50
57	Bypass - Nancy Lane		LS	1	\$ 505,000.00	\$ 505,000.00		0.00	0	0.00		\$ -	0%	505,000.00	0.00
58	Access Rock Road - Nancy Lane		LS	1	\$ 134,000.00	\$ 134,000.00		0.00	0	0.00		\$ -	0%	134,000.00	0.00
59	Bypass - Houston Mill Road		LS	1	\$ 1,638,000.00	\$ 1,638,000.00	1	1,638,000.00		0.00		\$ 1,638,000.00	100%	0.00	81,900.00
60	Access Matting - Houston Mill Road		LS	1	\$ 595,000.00	\$ 595,000.00	1	595,000.00		0.00		\$ 595,000.00	100%	0.00	29,750.00
61	Bypass - Sam's Club Area		LS	1	\$ 742,000.00	\$ 742,000.00	1	742,000.00		0.00		\$ 742,000.00	100%	0.00	74,200.00
62	Access Rock Road - Sam's Club Area		LS	1	\$ 238,000.00	\$ 238,000.00	1	238,000.00		0.00		\$ 238,000.00	100%	0.00	23,800.00
63	Bypass - Briarwood Road		LS	1	\$ 612,000.00	\$ 612,000.00	1	612,000.00		0.00		\$ 612,000.00	100%	0.00	30,600.00
64	Access Rock Road - Briarwood Road		LS	1	\$ 134,000.00	\$ 134,000.00	1	134,000.00		0.00		\$ 134,000.00	100%	0.00	6,700.00
65	Traffic control permit, devices, flagmen		AL	1	\$ 170,000.00	\$ 170,000.00	1.8443136471	313,533.32		0.00		\$ 313,533.32	184%	(143,533.32)	27,986.19
66	Testing		AL	1	\$ 80,000.00	\$ 80,000.00	1.4903625	119,229.00		0.00		\$ 119,229.00	149%	(39,229.00)	11,097.90
	Owner Controlled Allowance		AL	1	\$ 1,400,000.00	\$ 1,400,000.00	0.02	31,687.55	0.31	433,719.62		\$ 465,407.17	33%	934,592.83	0.00
CO-1	Contract Amendment Number 1		LF	118268	\$ 3.70	\$ 437,591.60	89588.7	331,478.19	6,663.00	24,653.10		\$ 356,131.29	81%	81,460.31	29,701.82
CO2-1	Mobilization - CCTV Crew		EA	1	\$ 15,000.00	\$ 15,000.00	1	15,000.00		0.00		\$ 15,000.00	100%	0.00	0.00
CO2-2	CCTV 30" Water Main with new equipment		LF	1720	\$ 47.50	\$ 81,700.00	1720	81,700.00		0.00		\$ 81,700.00	100%	0.00	0.00
CO2-3	Clean 30" Water Main with new equipment (Remove Obstruction)		LF	250	\$ 98.50	\$ 24,625.00	250	24,625.00		0.00		\$ 24,625.00	100%	0.00	0.00
CO2-4	Mobilization - Excavation Crew		EA	1	\$ 7,500.00	\$ 7,500.00		0.00		0.00		\$ -	0%	7,500.00	0.00
CO2-5	Construction Entrance/Removal		EA	3	\$ 5,680.00	\$ 17,040.00		0.00		0.00		\$ -	0%	17,040.00	0.00
CO2-6	Construction Entrance Maint - Install/Remove of 1 truck load (up to 15		EA	1	\$ 1,890.00	\$ 1,890.00		0.00		0.00		\$ -	0%	1,890.00	0.00
CO2-7	Silt Fence Type C (per single run)		LF	1500	\$ 7.25	\$ 10,875.00		0.00		0.00		\$ -	0%	10,875.00	0.00
CO2-8	Inlet Protection		EA	3	\$ 950.00	\$ 2,850.00		0.00		0.00		\$ -	0%	2,850.00	0.00
CO2-9	Permanent Grassing		Acre	0.7	\$ 2,775.00	\$ 1,942.50		0.00		0.00		\$ -	0%	1,942.50	0.00
CO2-10	Temp. Seed		Acre	0.7	\$ 1,710.00	\$ 1,197.00		0.00		0.00		\$ -	0%	1,197.00	0.00
CO2-11	Sod (if needed)		SY	20	\$ 16.50	\$ 330.00		0.00		0.00		\$ -	0%	330.00	0.00
CO2-12	Clearing, removal and disposal of 18-in to 24-in diameter tree		EA	2	\$ 5,625.00	\$ 11,250.00		0.00		0.00		\$ -	0%	11,250.00	0.00

CO2-13	Clearing, removal and disposal of up to a 12-in diameter tree		EA	3	\$ 1,250.00	\$ 3,750.00		0.00		0.00		\$ -	0%	3,750.00	0.00
CO2-14	Remove/replace Wood Fence		LF	100	\$ 105.00	\$ 10,500.00		0.00		0.00		\$ -	0%	10,500.00	0.00
CO2-15	Shored Pit up to 11.5' deep		EA	3	\$ 15,000.00	\$ 45,000.00		0.00		0.00		\$ -	0%	45,000.00	0.00
CO2-16	Additional Depth Pits >11.5'		VF	1	\$ 4,125.00	\$ 4,125.00		0.00		0.00		\$ -	0%	4,125.00	0.00
CO2-17	Mobilization - Slipline & Fusing Crews		EA	1	\$ 43,500.00	\$ 43,500.00		0.00		0.00		\$ -	0%	43,500.00	0.00
CO2-18	Installation of 24" DR 18 Fusible C-905 and spool pieces		LF	1970	\$ 385.00	\$ 758,450.00		0.00		0.00		\$ -	0%	758,450.00	0.00
CO2-19	Traffic Control Allowance Item		AL	0	\$ -	\$ 10,000.00		0.00		0.00		\$ -		15,600.00	0.00
CO2-20	Owner Contingency - As Directed		AL	0	\$ -	\$ 200,000.00		0.00		0.00		\$ -		5,850.00	0.00
	TOTALS					\$ 17,370,277.45		11,700,027.75		1,433,009.17		\$ 13,133,036.92	76%	3,107,041.04	805,937.65