

ADDENDUM NO. 4
FRIAR'S BRANCH BASIN IMPROVEMENTS
CONTRACT NO. W-12-029-201

The following additions/changes shall be made to the Project Drawings:

I. Sheet Revisions

Revise CU611–CU614 as indicated on the attached revised sheets.

The following additions/changes shall be made to the Project Manual:

I. Bid Form (00 41 00)

Revise as shown in the attached bid form.

The following requests for bidder information were received. Responses below are provided to the questions for informational purposes.

- I. Can Type II polymer liners be approved for application in Type I polymer manholes? Based on the various locations available for both liner types, it appears that both could be used for all polymer manholes.

Response: *This project shall be bid using the specifications enclosed in the bid documents. Equivalent products shall be submitted for Engineer's review and approval as part of the submittal process after the Contract has been awarded.*

- II. In 33 01 30.83 - 12, the Type II adhesion testing requirement states that the adhesion test is to be performed on the entire lining system. It then states that additional thickness cores will be taken from the top barrier layer for each base layer adhesion test performed. We would prefer the specifications reflect the latter, as this is what is in our manufacturer specifications.

Response: *This project shall be bid using the specifications enclosed in the bid documents. Prior to construction, the Contractor shall submit a written request to alter the adhesion test methodology to be reviewed and approved by the Engineer and Owner.*

- III. The current substantial completion deadline of 175 days is insufficient to complete the scope of work contained in this project. Please consider increasing the substantial completion time to 240 days, which would be a more reasonable completion time.

Response: *As part of Addendum No. 3 released on March 3, 2017, the final completion time of this project was set to 270 calendar days.*

- IV. Bid Item 7e, Connect to Existing MH with 24 Inch Sewer. Please advise location of these repairs.

Response: *Bid item 7e has been removed per the attached bid form.*

- V. Bid Item 9g, 9h and 9i, Service Lateral Reinstatement with Electrofusion Saddles. Please advise locations for these saddles.

Response: *The quantities for Bid Items 9g, 9h, and 9i have been transferred to the quantities for reinstatements by coring and brushing per the attached bid form and Contract Drawing sheets.*

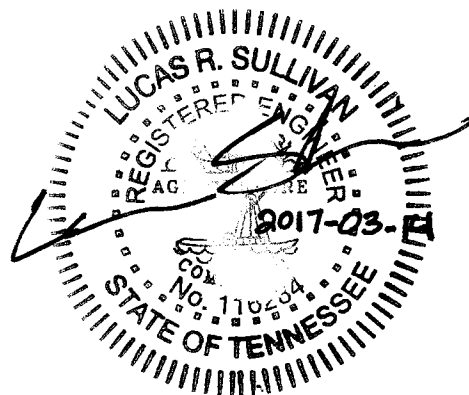
- VI. Will the City please consider breaking down Bid Items 9a and 9b into mainline diameters?

Response: *Bid Items 9a and 9b have been revised per the attached bid form.*

- VII. Bid Item 1d, Point repairs on 8-inch. Please advise location of these repairs.

Response: *The quantity for Bid Item 1d has been revised per the attached bid form. The locations of point repairs are identified in the Project Drawings. The quantity includes placeholders in case additional point repairs are needed during the rehabilitation work.*









As a reminder, Bidders who visit the project site should ensure that all manhole covers that are opened are properly replaced.



March 13, 2017

/s/ Justin C. Holland, Administrator
City of Chattanooga
Department of Public Works

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SANITARY SEWER PIPE REHABILITATION SCHEDULE — SUB-BASIN 8												
PIPE ID	TAX MAP PLAN SHEET NO.	PLAN/PROFILE SHEET NO.	UP MANHOLE ID	UP INVERT ELEV. (FT.)	DOWN MANHOLE ID	DOWN INVERT ELEV. (FT.)	MAT'L	DIA. (IN.)	LENGTH (FT.)	SLOPE	REHABILITATION METHOD	COMMENTS
S138L0003	CU111	A2/CU201	S138L003	671.11	S138L002	670.23	RCP	30	436.10	0.25%	TRENCHLESS REHABILITATION	INSTALL 18.0-MM CIPPL.
S138M0002	CU112	A6/CU201	S138M053	675.71	S138M052	674.99	RCP	24	64.40	1.13%	TRENCHLESS REHABILITATION	INSTALL 16.5-MM CIPPL.
S138M0003	CU112	A4/CU202	S138M016	673.06	S138M001	672.60	RCP	24	421.50	0.11%	TRENCHLESS REHABILITATION	INSTALL 16.5-MM CIPPL.
S138M0004	CU112	A1/CU203	S138M001	672.60	S138L004	671.21	RCP	24	464.20	0.31%	TRENCHLESS REHABILITATION	INSTALL 16.5-MM CIPPL.
S138M0008	CU112	A5/CU203	S138M003	682.82	S138M004	679.37	PVC	8	309.00	1.13%	TRENCHLESS REHABILITATION	INSTALL 6.0-MM CIPPL. REINSTATE FIVE (5) SERVICE LATERALS AT 77.5', 124.9', 189', 29.1', AND 273.4'.
S138M0011	CU112	A1/CU204	S138M006	680.12	S138M008	675.07	PVC	8	164.20	3.05%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 76.5' AND 108.5'.
S138M0016	CU112	A3/CU204	S138M010	674.69	S138M008	673.95	RCP	24	260.91	0.28%	OPEN CUT (PARTIAL LENGTH)	POINT REPAIR AT 164.9'.
S138M0021	CU112	A6/CU204	S138M023	682.01	S138M024	680.61	PVC	8	184.98	0.76%	OPEN CUT (PARTIAL LENGTH)	POINT REPAIR AT 25.6'.
S138M0027	CU112	A2/CU205	S138M451	680.87	S138M025	679.68	PVC	8	267.60	0.45%	TRENCHLESS REHABILITATION	INSTALL 6.0-MM CIPPL. REINSTATE ELEVEN (11) SERVICE LATERALS AT 6.5', 35.8', 40.3', 62.9', 92.2', 120.7', 150', 179.4', 208.9', 238.2', AND 263.4'.
S138M0030	CU112	A5/CU205	S138M019	680.13	S138M020	678.86	PVC	8	245.75	0.52%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 6', 34.3', 59.1', 62.2', 92.9', 113.5', 126.5', 159.9', 191.6', 222.7', AND 242.8'.
S138M0033	CU112	A1/CU206	S138M018	680.12	S138M083	677.39	PVC	8	304.80	0.90%	TRENCHLESS REHABILITATION	INSTALL 6.0-MM CIPPL. REINSTATE EIGHTEEN (18) SERVICE LATERALS AT 16.4', 55.5', 69.3', 95.2', 103.9', 131', 141.8', 163.8', 175.4', 198.4', 211.2', 219.4', 234.5', 245.4', 247.9', 262.7', 288.9', AND 295.6' BY CORING AND BRUSHING. 
S138M0038	CU112	A5/CU207	S138M034	691.02	S138M033	680.17	PVC	8	268.48	4.04%	OPEN CUT (FULL LENGTH)	—
S138M0050	CU112	A1/CU208	S148D089	686.58	S138M045	685.33	PVC	8	250.09	0.50%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 6.5', 98.2', 104.2', 187.8', 189.1', AND 201.8'.
S138M0064	CU112	A4/CU208	S138M056	666.01	S138M055	678.30	RCP	24	474.80	-2.61%	TRENCHLESS REHABILITATION	INSTALL 16.5-MM CIPPL.
S138M0066	CU112	A4/CU209	S138M054	676.00	S138M075	675.76	RCP	24	181.50	0.14%	TRENCHLESS REHABILITATION	INSTALL 16.5-MM CIPPL.
S138N0018	CU113	A2/CU210	S138N038	693.36	S138N039	685.72	PVC	8	324.80	2.37%	TRENCHLESS REHABILITATION	INSTALL 6.0-MM CIPPL. REINSTATE SIX (6) SERVICE LATERALS AT 6.8', 39.8', 86.1', 188.1', 296.8', AND 316.5' BY CORING AND BRUSHING. 
S138N0019	CU113	A5/CU210	S138N039	681.47	S138N040	676.22	PVC	8	326.63	1.61%	OPEN CUT (PARTIAL LENGTH)	REPLACE FROM APPROX. 26' TO APPROX. 32' TO ELIMINATE SAG. POINT REPAIRS AT 46.2' AND 59.3'.
S138N0029	CU113	A2/CU211	S138N029	719.64	S138N030	713.70	PVC	8	249.28	2.38%	OPEN CUT (PARTIAL LENGTH)	LATERAL REPAIR AT 49.5'. POINT REPAIR AT 149.8'.
S138N0034	CU113	A5/CU211	S138N018	670.76	S138N017	665.41	PVC	8	328.40	1.64%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 1.5', 48.7', 74.1', 171.6', AND 189'.
S138N0077	CU113	A2/CU212	S138N052	730.60	S138N079	723.43	PVC	8	220.33	3.25%	OPEN CUT (PARTIAL LENGTH)	POINT REPAIR AT 21'.
S148C0037	CU129	A5/CU212	S148C035	700.73	S148C034	699.81	PVC	8	253.00	0.35%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 97.9', 100.1', AND 249.4'.
S148C0047	CU129	A2/CU213	S148C050	726.57	S148C053	725.44	PVC	8	283.96	0.40%	OPEN CUT (PARTIAL LENGTH)	REPLACE FROM APPROX. 179' TO APPROX. 185' TO ELIMINATE SAG.
S148D0001	CU130	A5/CU213	S148E024	681.42	S148D006	678.03	RCP	18	312.40	1.10%	TRENCHLESS REHABILITATION	TWO (2) POINT REPAIRS AT 10.8' AND 136.4'. INSTALL 13.5-MM CIPPL. REINSTATE ONE (1) SERVICE LATERAL AT 77.5' BY CORING AND BRUSHING.
S148D0024	CU130	A2/CU214	S148D025	681.95	S148D026	668.75	RCP	18	378.20	3.49%	TRENCHLESS REHABILITATION	INSTALL 13.5-MM CIPPL. REMOVE ONE (1) PROTRUDING SERVICE LATERAL AT 309' AND REINSTATE BY CORING AND BRUSHING. 
S148D0026	CU130	A5/CU214	S148D027	680.62	S148D028	668.07	RCP	18	224.20	5.60%	TRENCHLESS REHABILITATION	INSTALL 13.5-MM CIPPL. REINSTATE ONE (1) SERVICE LATERAL AT 84.2' BY CORING AND BRUSHING. 
S148D0035	CU130	A3/CU215	S148D048	692.20	S148D047	685.60	PVC	8	249.78	2.64%	OPEN CUT (PARTIAL LENGTH)	LATERAL REPAIR AT 178.6'.
S148D0041	CU130	A6/CU215	S148D054	683.10	S148D053	680.31	PVC	8	85.10	3.40%	TRENCHLESS REHABILITATION	INSTALL 6.0-MM CIPPL. REINSTATE FOUR (4) SERVICE LATERALS AT 46.4', 75', 76.4', AND 80.8' BY CORING AND BRUSHING. 
S148D0043	CU130	A3/CU216	S148D056	683.32	S148D053	682.48	PVC	8	210.42	0.40%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 42.9', 143.9', 150.9', 201.8', AND 204.8'.
S148D0048	CU130	A6/CU216	S148D036	697.69	S148D037	686.48	PVC	8	183.00	6.07%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 82.8', 176', 177.4', AND 180'.
S148D0065	CU130	A2/CU217	S148D070	683.67	S148D071	682.74	PVC	8	239.13	0.39%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 1' AND 203.1'. REMOVE PROTRUDING SERVICE LATERAL AT 216.6'. POINT REPAIR AT 74.7'. 
S148D0082	CU130	A5/CU217	S148D087	681.95	S148D086	680.67	PVC	8	318.94	0.40%	OPEN CUT (PARTIAL LENGTH)	POINT REPAIRS AT 74.5' AND 145.7'.
S148D0086	CU130	A1/CU218	S148D088	677.40	S138M037	668.33	RCP	18	373.00	2.44%	TRENCHLESS REHABILITATION	INSTALL 13.5-MM CIPPL.
S148E0009	CU131	A5/CU219	S148E006	691.85	S148E007	683.21	RCP	18	322.00	2.68%	TRENCHLESS REHABILITATION	INSTALL 13.5-MM CIPPL. REINSTATE ONE (1) SERVICE LATERAL AT 17' BY CORING AND BRUSHING. 
S148E0010	CU131	A1/CU220	S148E007	682.91	S148E008	669.37	RCP	18	345.80	3.93%	TRENCHLESS REHABILITATION	INSTALL 13.5-MM CIPPL.
S148E0013	CU131	A4/CU220	S148E009	687.24	S148E900	677.98	RCP	18	192.00	4.85%	TRENCHLESS REHABILITATION	INSTALL 13.5-MM CIPPL. REINSTATE ONE (1) SERVICE LATERAL AT 19.1' BY CORING AND BRUSHING.
S148E0020	CU131	A6/CU220	S148E015	698.59	S148E014	689.83	PVC	8	167.80	5.21%	LATERAL REHABILITATION ONLY	LATERAL REPAIRS AT 47.5', 115.4', AND 163.7'.
S149A0045	CU134	A1/CU221	S149A051	704.65	S149A052	696.67	PVC	8	250.64	3.19%	OPEN CUT (FULL LENGTH)	—
S149A0501	CU134	A4/CU221	S149A302	702.01	S149A054	698.53	PVC	8	16.50	0.49%	OPEN CUT (PARTIAL LENGTH)	POINT REPAIR AT 0.2'.
S149H0058	CU137	A6/CU221	S149H050	708.93	S149H051	704.20	PVC	8	168.30	2.81%	LATERAL REHABILITATION ONLY	REMOVE PROTRUDING SERVICE LATERAL AT 89.9'. 

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City of Chattanooga

Department of Public Works


Waste Resources Division

SEAL
TENN
SULLIVAN

CONSENT DECREE PROGRAM

Friar's Branch Interceptor
and Basin Improvements

REV	DATE	DESCRIPTION
2	2017-03-10	COMMENTS
1	2016-11-30	CONST. DOCUMENTS

THIS LINE  IS 1" LONG WHEN PLOTTED FULL SCALE

THIS DRAWING MUST BE USED IN CONJUNCTION WITH APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJ. NO. W-12-029-201

DATE 2017-03-10

DISC. LEAD
TWR

DESIGNER
LRS

CHECKER
EVb


SHEET TITLE

SANITARY SEWER PIPE REHABILITATION SCHEDULE — SUB-BASIN 8

SHEET NO. CU611

A B C D

A B C D

SANITARY SEWER PIPE REHABILITATION SCHEDULE — SUB-BASIN 11												
PIPE ID	TAX MAP PLAN SHEET NO.	PLAN/PROFILE SHEET NO.	UP MANHOLE ID	UP INVERT ELEV. (FT.)	DOWN MANHOLE ID	DOWN INVERT ELEV. (FT.)	MAT'L	DIA. (IN.)	LENGTH (FT.)	SLOPE	REHABILITATION METHOD	COMMENTS
S138M0063	CU112	A5/CU251	S138M057	673.15	S138M056	666.01	RCP	24	376.80	1.90%	TRENCHLESS REHABILITATION	INSTALL 16.5—MM CIPPL.
S138M0504	CU112	A3/CU252	S139P450	688.69	S138M062	684.62	RCP	24	262.30	1.57%	TRENCHLESS REHABILITATION	INSTALL 16.5—MM CIPPL.
S139I0059	CU121	A6/CU252	S139I060	706.00	S139I061	705.53	PVC	8	137.00	0.40%	TRENCHLESS REHABILITATION	INSTALL 6.0—MM CIPPL. REMOVE ONE (1) PROTRUDING SERVICE LATERAL AT 66.4' AND REINSTATE BY CORING AND BRUSHING. 
S139P0006	CU123	A2/CU253	S139P002	687.60	S139P003	686.59	PVC	8	301.35	0.34%	OPEN CUT (PARTIAL LENGTH)	POINT REPAIR AT 301.4'.
S139P0010	CU123	A5/CU253	S139P005	683.33	S139P006	680.84	RCP	24	347.39	0.72%	OPEN CUT (PARTIAL LENGTH)	POINT REPAIR AT 70.8'.
S139P0011	CU123	A2/CU254	S139P006	681.16	S139P450	680.40	RCP	24	221.10	0.35%	TRENCHLESS REHABILITATION	INSTALL 16.5—MM CIPPL.
S139P0029	CU123	A5/CU254	S139P008	700.96	S139P007	681.43	RCP	18	213.90	9.01%	TRENCHLESS REHABILITATION	INSTALL 13.5—MM CIPPL. TWO (2) POINT REPAIRS A

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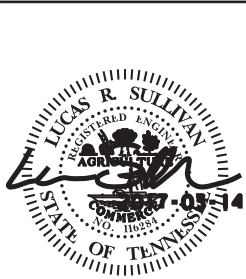
City of Chattanooga
Department of Public Works
Waste Resources Division

CONSENT DECREE PROGRAM
Friar's Branch Interceptor
and Basin Improvements

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THIS LINE IS 1" LONG WHEN PLOTTED FULL SCALE		
THIS DRAWING MUST BE USED IN CONJUNCTION WITH APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.		
PROJ. NO.		W-12-029-201
DATE		2017-03-10
DISC. LEAD	DESIGNER	CHECKER
TWR	LRS	EVB
SHEET TITLE		
<div style="font-size: 24pt; margin: 10px 0;">SANITARY SEWER</div> <div style="font-size: 24pt; margin: 10px 0;">PIPE</div> <div style="font-size: 24pt; margin: 10px 0;">REHABILITATION</div> <div style="font-size: 24pt; margin: 10px 0;">SCHEDULE -</div> <div style="font-size: 24pt; margin: 10px 0;">SUB-BASIN 11</div>		
SHEET NO.		CU613

A B C D



PROJ. NO.	W-12-029-201
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SHEET NO. CU614

**FRIAR'S BRANCH BASIN IMPROVEMENTS
CONTRACT NUMBER W-12-029-201**

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

City of Chattanooga, Tennessee
Purchasing Department
101 E. 11th Street, Suite G13
Chattanooga, Tennessee 37402

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for period of time after the Bid opening as stated in the Advertisement for Bids, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

Addendum No.

Addendum Date

_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in SC-4.02 as containing reliable "technical data," and (2) reports

and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in SC-4.06 as containing reliable "technical data."

- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- J. Where this Bid Form contains the provision for a bid based on a lump sum price, the Bidder shall be responsible for having prepared its own estimate of the quantities necessary for the satisfactory completion of the Work specified in these Contract Documents and for having based the lump sum price bid on its estimate of quantities.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:

1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
1.	8-Inch Sewer Cured-In-Place Rehabilitation				
a.	Pre-Installation Cleaning, Normal	1,615	LF	\$	\$
b.	Pre-Installation Cleaning, Heavy (add on)	179	LF	\$	\$
c.	6.0 mm CIPP (including bypass pumping)	1,794	LF	\$	\$
d.	Point Repair	30	EA	\$	\$
2.	18-Inch Sewer Cured-In-Place Rehabilitation				
a.	Pre-Installation Cleaning, Normal	5,320	LF	\$	\$
b.	Pre-Installation Cleaning, Heavy (add on)	615	LF	\$	\$
c.	13.5 mm CIPP	5,935	LF	\$	\$
d.	Point Repair	7	EA	\$	\$
e.	Bypass Pumping	1	LS	\$	\$
3.	24-Inch Sewer Cured-In-Place Rehabilitation				
a.	Pre-Installation Cleaning, Normal	3,650	LF	\$	\$
b.	Pre-Installation Cleaning, Heavy (add on)	445	LF	\$	\$
c.	16.5 mm CIPP	4,095	LF	\$	\$
d.	Point Repair	4	EA	\$	\$
e.	Bypass Pumping	1	LS	\$	\$
4.	30-Inch Sewer Cured-In-Place Rehabilitation				
a.	Pre-Installation Cleaning, Normal	430	LF	\$	\$
b.	Pre-Installation Cleaning, Heavy (add on)	50	LF	\$	\$
c.	18.0 mm CIPP	480	LF	\$	\$
d.	Bypass Pumping	1	LS	\$	\$
5.	36-inch Sewer Cured-In-Place Rehabilitation				
a.	Pre-Installation Cleaning, Normal	4,280	LF	\$	\$
b.	Pre-Installation Cleaning, Heavy (add on)	480	LF	\$	\$

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
c.	21.0 mm CIPP	170	LF	\$	\$
d.	22.5 mm CIPP	1,090	LF	\$	\$
e.	24.0 mm CIPP	1,540	LF	\$	\$
f.	25.5 mm CIPP	610	LF	\$	\$
g.	27.0 mm CIPP	1,360	LF	\$	\$
h.	Bypass Pumping	1	LS	\$	\$
6.	42-inch Sewer Cured-In-Place Rehabilitation				
a.	Pre-Installation Cleaning, Normal	5,090	LF	\$	\$
b.	Pre-Installation Cleaning, Heavy (add on)	570	LF	\$	\$
c.	30.0 mm CIPP	4,030	LF	\$	\$
d.	34.5 mm CIPP	950	LF	\$	\$
e.	37.5 mm CIPP	560	LF	\$	\$
f.	39.0 mm CIPP	150	LF	\$	\$
g.	Bypass Pumping	1	LS	\$	\$
7.	Same Trench Sewer Replacement				
a.	Remove Existing 6-Inch Diameter Sewer and Replace with 8-Inch Diameter PVC Pipe Sewer	290	LF	\$	\$
b.	Remove Existing 8-Inch Diameter Sewer and Replace with 8-Inch Diameter Cast Iron Pipe Sewer	220	LF	\$	\$
c.	Remove Existing 8-Inch Diameter Sewer and Replace with 8-Inch Diameter PVC Pipe Sewer	860	LF	\$	\$
d.	Connect to Existing Manhole with 8-Inch Sewer	14	EA	\$	\$
8.	Sewer CCTV Inspection				
a.	Pre-Installation — 8-Inch Sewer	5,705	LF	\$	\$
b.	Post-Installation — 8-Inch Sewer	5,705	LF	\$	\$
c.	Pre-Installation — 10-Inch Sewer	350	LF	\$	\$
d.	Post-Installation — 10-Inch Sewer	350	LF	\$	\$
e.	Pre-Installation — 18-Inch Sewer	5,898	LF	\$	\$
f.	Post-Installation — 18-Inch Sewer	5,898	LF	\$	\$
g.	Pre-Installation — 24-Inch Sewer	4,765	LF	\$	\$

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
h.	Post-Installation — 24-Inch Sewer	4,765	LF	\$	\$
i.	Pre-Installation — 30-Inch Sewer	480	LF	\$	\$
j.	Post-Installation — 30-Inch Sewer	480	LF	\$	\$
k.	Pre-Installation — 36-Inch Sewer	4,760	LF	\$	\$
l.	Post-Installation — 36-Inch Sewer	4,760	LF	\$	\$
m.	Pre-Installation — 42-Inch Sewer	5,660	LF	\$	\$
n.	Post-Installation — 42-Inch Sewer	5,660	LF	\$	\$
9.	Service Lateral Rehabilitation				
a.	6-Inch CIPP Lateral Lining on 8" Main (up to 25 feet)	49	EA	\$	\$
b.	6-Inch CIPP Lateral Lining on 10" Main (up to 25 feet)	5	EA	\$	\$
c.	6-Inch CIPP Lateral Lining on 8" Main (Beyond First 25 Feet)	50	LF	\$	\$
d.	6-Inch CIPP Lateral Lining on 10" Main (Beyond First 25 Feet)	20	LF	\$	\$
e.	Service Lateral Reinstatement by Coring and Brushing on 8-Inch Sewer	45	EA	\$	\$
f.	Service Lateral Reinstatement by Coring and Brushing on 18-Inch Sewer	28	EA	\$	\$
g.	Service Lateral Reinstatement by Coring and Brushing on 24-Inch Sewer	4	EA	\$	\$
h.	Service Lateral Reinstatement by Coring and Brushing on 36-Inch Sewer	1	EA	\$	\$
i.	Service Lateral Reinstatement by Coring and Brushing on 42-Inch Sewer	3	EA	\$	\$
j.	Open Cut Replacement with 6-Inch PVC Pipe (0-Foot–8-Foot Cut)	1,300	LF	\$	\$
k.	Open Cut Replacement with 6-Inch PVC Pipe (8.1-Foot–12-Foot Cut)	1,300	LF	\$	\$
l.	Open Cut Replacement with 6-Inch PVC Pipe (12.1-Foot–16-Foot Cut)	225	LF	\$	\$
m.	New Clean-Out for Open Cut Replacement Laterals	110	EA	\$	\$

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
10.	Manholes - Surface Rehabilitation				
a.	Replace Existing Frame and Cover with New Standard Frame and Cover	84	EA	\$	\$
b.	Replace Existing Frame and Cover with New Watertight Frame and Cover	64	EA	\$	\$
c.	Chimney Seal – Wide Width (10-Inch)	113	EA	\$	\$
d.	Chimney Seal – Extra-Wide Width (13-Inch)	35	EA	\$	\$
11.	Manholes - Subsurface Rehabilitation				
a.	Cementitious Lining in 4-Foot Diameter Manhole	798	VF	\$	\$
b.	Type 1 Polymer Resin-Based Lining in 4-Foot Diameter Manhole	1,786	VF	\$	\$
c.	Type 2 Polymer Resin-Based Lining in 4-Foot Diameter Manhole	499	VF	\$	\$
d.	Rebuild Bench and Invert in 4-Foot Diameter Manhole	84	EA	\$	\$
e.	Raise 4-Foot Diameter Manhole	15	EA	\$	\$
12.	New Precast Concrete Manhole				
a.	4-foot Diameter Base, Including Frame and Cover	1	EA	\$	\$
b.	Penetrations to Precast Manhole	2	EA	\$	\$
13.	Pavement Removal and Replacement				
a.	Asphalt	1,100	LF	\$	\$
b.	Concrete	1,100	LF	\$	\$
c.	Flowable Fill	1,500	CY	\$	\$
14.	Cash Allowances				
a.	Soil, Concrete and Materials Testing	Allowance			\$ 40,000.00
b.	Cured In Place Pipe Testing Laboratory Services	Allowance			\$ 40,000.00
c.	Construction Verification Surveying	Allowance			\$ 40,000.00
*** ADDITIONAL WORK IF ORDERED BY THE ENGINEER ***					
15.	Inflow Dish	84	EA	\$	\$
16.	Remove Protruding Service Lateral or Gasket				
a.	In 8-Inch Sewer	7	EA	\$	\$

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
c.	In 18-Inch Sewer	11	EA	\$	\$
17.	Trench Stabilization				
a.	Crushed Stone	100	CY	\$	\$
b.	Filter Fabric	2,500	SF	\$	\$
18.	Additional Point Repairs for Interceptor				
a.	36-inch Diameter	1	EA	\$	\$
b.	42-inch Diameter	1	EA	\$	\$

BID TOTAL, ITEMS 1 THROUGH 18, INCLUSIVE, THE AMOUNT OF _____

_____ DOLLARS (\$_____).

Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Statement of Bidders Qualifications
 - B. Affidavit of No Collusion by Prime Bidder
 - C. Drug-Free Workplace Affidavit
 - D. Attestation Regarding Personnel Used in Contract Performance
 - E. Certification By Proposed Prime or Subcontractor Regarding Equal Employment Opportunity
 - F. Certification Regarding Debarment, Suspension and Other Responsibility Matters

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid submitted by:

An Individual

Name (typed or printed): _____

By: _____

(SEAL) _____

(Individual's signature)

Doing business as: _____

Attest: _____

(Notary)

Name (typed or printed): _____

A Partnership

Partnership _____

Name: _____

(SEAL) _____

By: _____

(Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): _____

Attest: _____

(Signature of another Partner)

Name (typed or printed): _____

A Corporation

Corporation _____

Name: _____

(SEAL) _____

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____

(Signature)

Name (typed or printed): _____

Title: _____

(CORPORATE SEAL)

Attest: _____

(Signature of Corporate Secretary)

Name (typed or printed): _____

Date of Qualification to do business in Tennessee is _____

A Joint Venture

Name of Joint Venturer: _____

First Joint Venturer Name: _____

(SEAL)

By: _____
(Signature of first joint venture partner)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____

(SEAL)

By: _____
(Signature of second joint venture partner)

Name (typed or printed): _____

Title: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

All Bidders shall complete the following:

Bidder's Business address: _____

Phone: _____ Facsimile: _____

Primary Contact: _____

E-mail: _____

Submitted on _____, 201____.

State Contractor License No. _____.

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