

AGREEMENT

THIS AGREEMENT (the "Agreement") is made and entered into this **13st day of June, 2007**, by and between the City of Naples, Florida, a municipal corporation, (hereinafter referred to as the "OWNER") and **Insituform Technologies, Inc., a Delaware corporation, authorized to do business in Florida, whose business address is PO Box 41629, Jacksonville, FL 32203** (hereinafter referred to as the "CONTRACTOR").

WITNESSETH:

WHEREAS, the OWNER desires to obtain the professional services of the CONTRACTOR concerning **miscellaneous liner repairs to the sanitary sewer and stormwater systems** (hereinafter referred to as the "Project"), said services being more fully described in Exhibit A, "Scope of Services", which is attached hereto and incorporated herein; and

WHEREAS, the CONTRACTOR has submitted a proposal for provision of those services; and

WHEREAS, the CONTRACTOR represents that it has expertise in the type of professional services that will be required for the Project.

NOW, THEREFORE, in consideration of the mutual covenants and provisions contained herein, the parties hereto agree as follows:

ARTICLE ONE CONTRACTOR'S RESPONSIBILITY

1.1. The Basic Services to be performed by CONTRACTOR hereunder are **miscellaneous liner repairs to the sanitary sewer and stormwater systems**.

1.2. The CONTRACTOR agrees to obtain and maintain throughout the period of this Agreement all such licenses as are required to do business in the State of Florida, the City of Naples, and in Collier County, Florida, including, but not limited to, all licenses required by the respective state boards and other governmental agencies responsible for regulating and licensing the professional services to be provided and performed by the CONTRACTOR pursuant to this Agreement.

1.3. The CONTRACTOR agrees that, when the services to be provided hereunder relate to a professional service which, under Florida Statutes, requires a license, certificate of authorization or other form of legal entitlement to practice such services, it shall employ and/or retain only qualified personnel to provide such services.

1.4. CONTRACTOR agrees to employ and designate, in writing, within five (5) calendar days after receiving its Notice to Proceed, a qualified licensed professional to serve as the CONTRACTOR's project manager (hereinafter referred to as the "Project Manager"). The Project Manager shall be authorized and responsible to act on behalf of the CONTRACTOR with respect to directing, coordinating and administering all aspects of the services to be provided and performed under this Agreement.

1.5. The CONTRACTOR has represented to the OWNER that it has expertise in the type of professional services that will be required for the Project. The CONTRACTOR agrees that all services to be provided by CONTRACTOR pursuant to this Agreement shall be subject to the OWNER's review and approval and shall be in accordance with the generally accepted standards of professional practice in the State of Florida, as well as in accordance with all published laws, statutes, ordinances, codes, rules, regulations and requirements of any governmental agencies which regulate or have jurisdiction over the Project or the services to be provided and performed by CONTRACTOR hereunder. In the event of any conflicts in these requirements, the CONTRACTOR shall notify the OWNER of such conflict and utilize its best professional judgment to advise OWNER regarding

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resolution of the conflict.

1.6. CONTRACTOR agrees not to divulge, furnish or make available to any third person, firm or organization, without OWNER's prior written consent, or unless incident to the proper performance of the CONTRACTOR's obligations hereunder, or in the course of judicial or legislative proceedings where such information has been properly subpoenaed, any non-public information concerning the services to be rendered by CONTRACTOR hereunder, and CONTRACTOR shall require all of its employees, agents, subconsultants and subcontractors to comply with the provisions of this paragraph.

1.7. CONTRACTOR agrees not to employ or offer to employ any Elected Officer or City Managerial Employee of OWNER who in any way deals with, coordinates on, or assists with, the professional services provided in this Agreement, for a period of two (2) years after termination of all provisions of this Agreement. For purposes of this paragraph, the term "Elected Officer" shall mean any member of the City Council. For purposes of this paragraph, the term "City Managerial Employee" shall mean the City Manager, the Assistant City Manager, the City Clerk, and any City department head or director. In the event CONTRACTOR violates the provisions of this paragraph, CONTRACTOR shall be required to pay damages to OWNER in an amount equal to any and all compensation which is received by the former Elected Officer or City Managerial Employee of OWNER from or on behalf of the contracting person or entity, or an amount equal to the former Elected Officer's or City Managerial Employee's last two (2) years of gross compensation from OWNER, whichever is greater.

1.8. CONTRACTOR agrees not to provide services for compensation to any other party other than OWNER on the same subject matter, same project, or scope of services as set forth in this Agreement without approval from the City Council of OWNER.

1.9. Except as otherwise provided herein, CONTRACTOR agrees not to disclose or use any information not available to members of the general public and gained by reason of CONTRACTOR'S contractual relationship with OWNER for the special gain or benefit of CONTRACTOR or for the special gain or benefit of any other person or entity.

ARTICLE TWO OWNER'S RESPONSIBILITIES

2.1. The Owner shall designate in writing a project coordinator to act as OWNER's representative with respect to the services to be rendered under this Agreement (hereinafter referred to as the "Project Coordinator"). The Project Coordinator shall have authority to transmit instructions, receive information, interpret and define OWNER's policies and decisions with respect to CONTRACTOR's services for the Project. However, the Project Coordinator is not authorized to issue any verbal or written orders or instructions to the CONTRACTOR that would have the effect, or be interpreted to have the effect, of modifying or changing in any way whatever:

- (a) The scope of services to be provided and performed by the CONTRACTOR hereunder;
- (b) The time the CONTRACTOR is obligated to commence and complete all such services; or
- (c) The amount of compensation the OWNER is obligated or committed to pay the CONTRACTOR.

2.2. The Project Coordinator shall:

(a) Review and make appropriate recommendations on all requests submitted by the CONTRACTOR for payment for services and work provided and performed in accordance with this Agreement;

(b) Arrange for access to and make all provisions for CONTRACTOR to enter the Project site to perform the services to be provided by CONTRACTOR under this Agreement; and

(c) Provide notice to CONTRACTOR of any deficiencies or defects discovered by the OWNER with respect to the services to be rendered by CONTRACTOR hereunder.

2.3. CONTRACTOR acknowledges that access to the Project Site, to be arranged by OWNER for CONTRACTOR, may be provided during times that are not the normal business hours of the CONTRACTOR.

ARTICLE THREE TIME

3.1. Services to be rendered by CONTRACTOR shall be commenced subsequent to the execution of this Agreement upon written Notice to Proceed from OWNER for all or any designated portion of the Project and **shall be completed by September 30, 2007, with the option to renew for one 12 month period.** Time is of the essence with respect to the performance of this Agreement.

3.2. Should CONTRACTOR be obstructed or delayed in the prosecution or completion of its services as a result of unforeseeable causes beyond the control of CONTRACTOR, and not due to its own fault or neglect, including but not restricted to acts of God or of public enemy, acts of government or of the OWNER, fires, floods, epidemics, quarantine regulations, strikes or lock-outs, then CONTRACTOR shall notify OWNER in writing within five (5) working days after commencement of such delay, stating the cause or causes thereof, or be deemed to have waived any right which CONTRACTOR may have had to request a time extension.

3.3. No interruption, interference, inefficiency, suspension or delay in the commencement or progress of CONTRACTOR's services from any cause whatsoever, including those for which OWNER may be responsible in whole or in part, shall relieve CONTRACTOR of its duty to perform or give rise to any right to damages or additional compensation from OWNER. CONTRACTOR's sole remedy against OWNER will be the right to seek an extension of time to its schedule. This paragraph shall expressly apply to claims for early completion, as well as claims based on late completion. Provided, however, if through no fault or neglect of the CONTRACTOR, the services to be provided hereunder have not been completed within 18 months of the date hereof, the CONTRACTOR's compensation may be equitably adjusted, with respect to those services that have not yet been performed, to reflect the incremental increase in costs experienced by CONTRACTOR after expiration of said 18 month period.

3.4. Should the CONTRACTOR fail to commence, provide, perform or complete any of the services to be provided hereunder in a timely and reasonable manner, in addition to any other rights or remedies available to the OWNER hereunder, the OWNER at its sole discretion and option may withhold any and all payments due and owing to the CONTRACTOR until such time as the CONTRACTOR resumes performance of its obligations hereunder in such a manner so as to reasonably establish to the OWNER's satisfaction that the CONTRACTOR's performance is or will shortly be back on schedule.

ARTICLE FOUR COMPENSATION

4.1. The total compensation to be paid CONTRACTOR by the OWNER for **all Basic Services shall be an annual amount not-to-exceed \$700,000** and shall be paid in the manner set forth in Exhibit A, "Basis of Compensation", which is attached hereto and incorporated herein.

ARTICLE FIVE MAINTENANCE OF RECORDS

5.1. CONTRACTOR will keep adequate records and supporting documentation which concern or reflect its services hereunder. The records and documentation will be retained by CONTRACTOR for a minimum of five (5)

years from the date of termination of this Agreement or the date the Project is completed, whichever is later. OWNER, or any duly authorized agents or representatives of OWNER, shall have the right to audit, inspect and copy all such records and documentation as often as they deem necessary during the period of this Agreement and during the five (5) year period noted above; provided, however, such activity shall be conducted only during normal business hours.

ARTICLE SIX INDEMNIFICATION

6.1. CONTRACTOR agrees to indemnify and hold harmless the City from liabilities, damages, losses and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Contractor and persons employer or utilized by the Contractor in the performance of the Contract.

ARTICLE SEVEN INSURANCE

7.1. CONTRACTOR shall obtain and carry, at all times during its performance under the Contract Documents, insurance of the types and in the amounts set forth in Exhibit B to this Agreement.

ARTICLE EIGHT SERVICES BY CONTRACTOR'S OWN STAFF

8.1. The services to be performed hereunder shall be performed by CONTRACTOR's own staff, unless otherwise authorized in writing by the OWNER. The employment of, contract with, or use of the services of any other person or firm by CONTRACTOR, as independent contractor or otherwise, shall be subject to the prior written approval of the OWNER. No provision of this Agreement shall, however, be construed as constituting an agreement between the OWNER and any such other person or firm. Nor shall anything contained herein be deemed to give any such party or any third party any claim or right of action against the OWNER beyond such as may otherwise exist without regard to this Agreement.

ARTICLE NINE WAIVER OF CLAIMS

9.1. CONTRACTOR's acceptance of final payment shall constitute a full waiver of any and all claims, except for insurance company subrogation claims, by it against OWNER arising out of this Agreement or otherwise related to the Project, except those previously made in writing and identified by CONTRACTOR as unsettled at the time of the final payment. Neither the acceptance of CONTRACTOR's services nor payment by OWNER shall be deemed to be a waiver of any of OWNER's rights against CONTRACTOR.

ARTICLE TEN TERMINATION OR SUSPENSION

10.1. CONTRACTOR shall be considered in material default of this Agreement and such default will be considered cause for OWNER to terminate this Agreement, in whole or in part, as further set forth in this section, for any of the following reasons: (a) failure to begin work under the Agreement within the times specified under the Notice(s) to Proceed, or (b) failure to properly and timely perform the services to be provided hereunder or as directed by OWNER, or (c) the bankruptcy or insolvency or a general assignment for the benefit of creditors by CONTRACTOR or by any of CONTRACTOR's principals, officers or directors, or (d) failure to obey laws, ordinances, regulations or other codes of conduct, or (e) failure to perform or abide by the terms or spirit of this Agreement, or (f) for any other just cause. The OWNER may so terminate this Agreement, in whole or in part, by giving the CONTRACTOR seven (7) calendar day's written notice.

10.2. If, after notice of termination of this Agreement as provided for in paragraph 10.1 above, it is determined for any reason that CONTRACTOR was not in default, or that its default was excusable, or that OWNER otherwise was not entitled to the remedy against CONTRACTOR provided for in paragraph 10.1, then the notice of termination given pursuant to paragraph 10.1 shall be deemed to be the notice of termination provided for in paragraph 10.3 below and CONTRACTOR's remedies against OWNER shall be the same as and limited to those afforded CONTRACTOR under paragraph 10.3 below.

10.3. OWNER shall have the right to terminate this Agreement, in whole or in part, without cause upon seven (7) calendar day's written notice to CONTRACTOR. In the event of such termination for convenience, CONTRACTOR's recovery against OWNER shall be limited to that portion of the fee earned through the date of termination, together with any retainage withheld and any costs reasonably incurred by CONTRACTOR that are directly attributable to the termination, but CONTRACTOR shall not be entitled to any other or further recovery against OWNER, including, but not limited to, anticipated fees or profits on work not required to be performed.

ARTICLE ELEVEN CONFLICT OF INTEREST

11.1. CONTRACTOR represents that it presently has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder. CONTRACTOR further represents that no persons having any such interest shall be employed to perform those services.

ARTICLE TWELVE MODIFICATION

12.1. No modification or change in this Agreement shall be valid or binding upon the parties unless in writing and executed by the party or parties intended to be bound by it.

ARTICLE THIRTEEN NOTICES AND ADDRESS OF RECORD

13.1. All notices required or made pursuant to this Agreement to be given by the CONTRACTOR to the OWNER shall be in writing and shall be delivered by hand or by United States Postal Service Department, first class mail service, postage prepaid, return receipt requested, addressed to the following OWNER's address of record:

City of Naples
735 Eighth Street South
Naples, Florida 34102-3796
Attention: Dr. Robert E. Lee, City Manager

13.2. All notices required or made pursuant to this Agreement to be given by the OWNER to the CONTRACTOR shall be made in writing and shall be delivered by hand or by the United States Postal Service Department, first class mail service, postage prepaid, return receipt requested, addressed to the following CONTRACTOR's address of record:

Insituform Technologies, Inc.
PO Box 41629
Jacksonville, FL 32203
ATTN: Richard T. Howton

13.3. Either party may change its address of record by written notice to the other party given in accordance with requirements of this Article.

**ARTICLE FOURTEEN
MISCELLANEOUS**

- 14.1. CONTRACTOR, in representing OWNER, shall promote the best interest of OWNER and assume towards OWNER a duty of the highest trust, confidence, and fair dealing.
- 14.2. No modification, waiver, suspension or termination of the Agreement or of any terms thereof shall impair the rights or liabilities of either party.
- 14.3. This Agreement is not assignable, in whole or in part, by CONTRACTOR without the prior written consent of OWNER.
- 14.4. Waiver by either party of a breach of any provision of this Agreement shall not be deemed to be a waiver of any other breach and shall not be construed to be a modification of the terms of this Agreement.
- 14.5. The headings of the Articles, Exhibits, Parts and Attachments as contained in this Agreement are for the purpose of convenience only and shall not be deemed to expand, limit or change the provisions in such Articles, Exhibits, Parts and Attachments.
- 14.6. This Agreement constitutes the entire agreement between the parties hereto and shall supersede, replace and nullify any and all prior agreements or understandings, written or oral, relating to the matter set forth herein, and any such prior agreements or understanding shall have no force or effect whatever on this Agreement.

**ARTICLE FIFTEEN
APPLICABLE LAW**

- 15.1. Unless otherwise specified, this Agreement shall be governed by the laws, rules, and regulations of the State of Florida, and by the laws, rules and regulations of the United States when providing services funded by the United States government. Any suit or action brought by either party to this Agreement against the other party relating to or arising out of this Agreement must be brought in the appropriate Florida state court in Collier County, Florida.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement for the day and year first written above.

ATTEST:

OWNER:

CITY OF NAPLES, FLORIDA,
A Municipal Corporation

By: _____
Tara A. Norman, City Clerk

By: _____
Dr. Robert E. Lee, City Manager

Approved as to form
and legal sufficiency:

By: _____
Robert D. Pritt, City Attorney

CONTRACTOR:
Insituform Technologies, Inc.
A Florida Corporation

By: _____

witness

(CORPORATE SEAL)

ATTACHMENT "D"
PRICING FORM
SANITARY SEWER, STORM SEWER AND MANHOLE REHABILITATION

A. SANITARY SEWER AND STORM SEWER REHABILITATION

1. Method 1 - Trenchless Pipe Reconstruction System - CIPP (Cured-In-Place-Pipe)
 For this Method, you must include prices in Section A, Item 6, Ancillary Services (page 9).

a.	Sanitary Sewer Mains 8" Diameter 6.0 mm Normal Thickness (.236)	<u>22⁰⁰</u> per lf (linear)
b.	Sanitary Sewer Mains 10" Diameter 6.0 mm Normal Thickness (.236) 7.5 mm Normal Thickness (.295)	<u>26⁰⁰</u> per lf <u>27⁰⁰</u> per lf
c.	Sanitary Sewer Mains 12" Diameter 6.0 mm Normal Thickness (.236) 7.5 mm Normal Thickness (.295)	<u>29⁰⁰</u> per lf <u>30⁰⁰</u> per lf
d.	Sanitary Sewer Mains 15" Diameter 6.0 mm Normal Thickness (.236) 7.5 mm Normal Thickness (.295) 9.0 mm Normal Thickness (.354)	<u>33⁰⁰</u> per lf <u>39⁰⁰</u> per lf <u>41⁰⁰</u> per lf
e.	Sanitary Sewer Mains 18" Diameter 6.0 mm Normal Thickness (.236) 7.5 mm Normal Thickness (.295) 9.0 mm Normal Thickness (.354) 10.5 mm Normal Thickness (.413)	<u>38⁰⁰</u> per lf <u>42⁰⁰</u> per lf <u>48⁰⁰</u> per lf <u>54⁰⁰</u> per lf
f.	Sanitary Sewer Mains 21" Diameter 6.0 mm Normal Thickness (.236) 7.5 mm Normal Thickness (.295) 9.0 mm Normal Thickness (.354) 10.5 mm Normal Thickness (.413) 12.0 mm Normal Thickness (.472)	<u>50⁰⁰</u> per lf <u>56⁰⁰</u> per lf <u>63⁰⁰</u> per lf <u>68⁰⁰</u> per lf <u>72⁰⁰</u> per lf
g.	Sanitary Sewer Mains 24" Diameter 9.0 mm Normal Thickness (.354) 10.5 mm Normal Thickness (.413) 12.0 mm Normal Thickness (.472) 13.5 mm Normal Thickness (.531) 15.0 mm Normal Thickness (.591)	<u>69⁰⁰</u> per lf <u>79⁰⁰</u> per lf <u>83⁰⁰</u> per lf <u>87⁰⁰</u> per lf <u>91⁰⁰</u> per lf

h.	Sanitary Sewer Mains	27" Diameter	
	9.0 mm Normal Thickness (.354)		<u>77⁰⁰</u> per lf
	10.5 mm Normal Thickness (.413)		<u>82⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>90⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>44⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>99⁰⁰</u> per lf

i.	Sanitary Sewer Mains	30" Diameter	
	9.0 mm Normal Thickness (.354)		<u>93⁰⁰</u> per lf
	10.5 mm Normal Thickness (.413)		<u>98⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>106</u> per lf
	13.5 mm Normal Thickness (.531)		<u>111⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>118⁰⁰</u> per lf

j.	Sanitary Sewer Mains	36" Diameter	
	10.5 mm Normal Thickness (.413)		<u>91⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>101⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>106⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>111⁰⁰</u> per lf
	16.5 mm Normal Thickness (.650)		<u>119⁰⁰</u> per lf
	18.0 mm Normal Thickness (.709)		<u>124⁰⁰</u> per lf

2. Sanitary Sewer Line Rehabilitation - Method 2 - Trenchless Pipe Reconstruction CIPP (Cured-In-Place-Pipe) Repair Sleeve. For this Method, you must include in Section A, Item 6, Ancillary Services (page 9).

a.	Sanitary Sewer Mains	8" Diameter	
	13.5 mm Normal Thickness (.531)	3' - 5'	<u>N/P</u> each
		6' - 9'	<u>N/P</u> each
		10'-12'	<u>N/P</u> each
		13'-15'	<u>N/P</u> each
		16'-20'	<u>N/P</u> each
		21'-25'	<u>N/P</u> each
		26'-30'	<u>N/P</u> each

b.	Sanitary Sewer Mains	10" Diameter	
	13.5 mm Normal Thickness (.531)	3' - 5'	<u>N/P</u> each
		6' - 9'	<u>N/P</u> each
		10'-12'	<u>N/P</u> each
		13'-15'	<u>N/P</u> each
		16'-20'	<u>N/P</u> each
		21'-25'	<u>N/P</u> each
		26'-30'	<u>N/P</u> each

c.	Sanitary Sewer Mains	12" Diameter		
	13.5 mm Normal Thickness (.531)		3' - 5'	N/P each
			6' - 9'	N/P each
			10'-12'	N/P each
			13'-15'	N/P each
			16'-20'	N/P each
			21'-25'	N/P each
		26'-30'	N/P each	
d.	Sanitary Sewer Mains	15" Diameter		
	13.5 mm Normal Thickness (.531)		3' - 5'	N/P each
			6' - 9'	N/P each
			10'-12'	N/P each
			13'-15'	N/P each
			16'-20'	N/P each
			21'-25'	N/P each
		26'-30'	N/P each	
e.	Sanitary Sewer Mains	18" Diameter		
	13.5 mm Normal Thickness (.531)		3' - 5'	N/P each
			6' - 9'	N/P each
			10'-12'	N/P each
			13'-15'	N/P each
			16'-20'	N/P each
			21'-25'	N/P each
		26'-30'	N/P each	
f.	Sanitary Sewer Mains	21" Diameter		
	13.5 mm Normal Thickness (.531)		3' - 5'	N/P each
			6' - 9'	N/P each
			10'-12'	N/P each
			13'-15'	N/P each
			16'-20'	N/P each
			21'-25'	N/P each
		26'-30'	N/P each	
g.	Sanitary Sewer Mains	24" Diameter		
	13.5 mm Normal Thickness (.531)		3' - 5'	N/P each
	15.0 mm Normal Thickness (.591)			N/P each
	13.5 mm Normal Thickness (.531)		6' - 9'	N/P each
	15.0 mm Normal Thickness (.591)			N/P each
	13.5 mm Normal Thickness (.531)		10'-12'	N/P each
	15.0 mm Normal Thickness (.591)		N/P each	

	13.5 mm Normal Thickness (.531)	13'-15'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	16'-20'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	21'-25'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	26'-30'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
h.	Sanitary Sewer Mains	30" Diameter	
	13.5 mm Normal Thickness (.531)	3' - 5'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	6' - 9'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	10'-12'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	13'-15'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	16'-20'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	21'-25'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	26'-30'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
i.	Sanitary Sewer Mains	36" Diameter	
	13.5 mm Normal Thickness (.531)	3' - 5'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	18.0 mm Normal Thickness (.709)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	6' - 9'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each
	18.0 mm Normal Thickness (.709)		<u>N/P</u> each
	13.5 mm Normal Thickness (.531)	10'-12'	<u>N/P</u> each
	15.0 mm Normal Thickness (.591)		<u>N/P</u> each

18.0 mm Normal Thickness (.709)		<u>N/P</u> each
13.5 mm Normal Thickness (.531)	13'-15'	<u>N/P</u> each
15.0 mm Normal Thickness (.591)		<u>N/P</u> each
18.0 mm Normal Thickness (.709)		<u>N/P</u> each
13.5 mm Normal Thickness (.531)	16'-20'	<u>N/P</u> each
15.0 mm Normal Thickness (.591)		<u>N/P</u> each
18.0 mm Normal Thickness (.709)		<u>N/P</u> each
13.5 mm Normal Thickness (.531)	21'-25'	<u>N/P</u> each
15.0 mm Normal Thickness (.591)		<u>N/P</u> each
18.0 mm Normal Thickness (.709)		<u>N/P</u> each
13.5 mm Normal Thickness (.531)	26'-30'	<u>N/P</u> each
15.0 mm Normal Thickness (.591)		<u>N/P</u> each
18.0 mm Normal Thickness (.709)		<u>N/P</u> each

Sewer Line Cleaning in conjunction with sewer line rehabilitation. For this item, you must include prices in Section A, Item 6, Ancillary Services (page 9).

a.	Light Cleaning		
	6" - 12" Diameter	<u>2⁰⁰</u>	per lf
	14" - 18" Diameter	<u>3¹⁰</u>	per lf
	20" - 24" Diameter	<u>4¹⁰</u>	per lf
	27" - 42" Diameter	<u>5²⁰</u>	per lf
b.	Medium Cleaning		
	6" - 12" Diameter	<u>3¹⁰</u>	per lf
	14" - 18" Diameter	<u>5²⁰</u>	per lf
	20" - 24" Diameter	<u>6¹⁰</u>	per lf
	27" - 42" Diameter	<u>9²⁰</u>	per lf
c.	Heavy Cleaning		
	6" - 12" Diameter	<u>4⁰⁰</u>	per lf R.T. 4
	14" - 18" Diameter	<u>5¹⁰</u>	per lf R.T. 4
	20" - 24" Diameter	<u>6¹⁰</u>	per lf R.T. 4
	27" - 42" Diameter	<u>9¹⁰</u>	per lf R.T. 4
d.	Root Removal		
	6" - 12" Diameter	<u>3⁰⁰</u>	per lf
	14" - 18" Diameter	<u>3⁰⁰</u>	per lf
	20" - 24" Diameter	<u>4⁰⁰</u>	per lf
	27" - 42" Diameter	<u>6²⁰</u>	per lf

e.	Tuberculation Cleaning		
	6" - 12" Diameter	<u>22⁰⁰</u>	per lf
	14" - 18" Diameter	<u>28⁰⁰</u>	per lf
	20" - 24" Diameter	<u>32⁰⁰</u>	per lf
	27" - 42" Diameter	<u>39⁰⁰</u>	per lf
f.	Easement Access		
	6" - 12" Diameter	<u>1²⁰</u>	per lf
	14" - 18" Diameter	<u>2²⁰</u>	per lf
	20" - 24" Diameter	<u>3²⁰</u>	per lf
	27" - 42" Diameter	<u>3²⁰</u>	per lf
g.	Manhole Clean/Jet-Vac	<u>95⁰⁰</u>	per mh (man hole)
4.	Storm Sewer - Trenchless Pipe Reconstruction System - CIPP (Cured-In-Place-Pip For this item, you must include prices in Section A, item 6. Ancillary Services.		
a.	Storm Sewer Mains	15" Diameter	
	6.0 mm Normal Thickness (.236)	<u>49⁰⁰</u>	per lf
	7.5 mm Normal Thickness (.295)	<u>55⁰⁰</u>	per lf
	9.0 mm Normal Thickness (.354)	<u>58⁰⁰</u>	per lf
b.	Storm Sewer Mains	18" Diameter	
	6.0 mm Normal Thickness (.236)	<u>55⁰⁰</u>	per lf
	7.5 mm Normal Thickness (.295)	<u>58⁰⁰</u>	per lf
	9.0 mm Normal Thickness (.354)	<u>64⁰⁰</u>	per lf
	10.5 mm Normal Thickness (.413)	<u>78⁰⁰</u>	per lf
c.	Storm Sewer Mains	21" Diameter	
	6.0 mm Normal Thickness (.236)	<u>75⁰⁰</u>	per lf
	7.5 mm Normal Thickness (.295)	<u>78⁰⁰</u>	per lf
	9.0 mm Normal Thickness (.354)	<u>84⁰⁰</u>	per lf
	10.5 mm Normal Thickness (.413)	<u>90⁰⁰</u>	per lf
	12.0 mm Normal Thickness (.472)	<u>94⁰⁰</u>	per lf
d.	Storm Sewer Mains	24" Diameter	
	9.0 mm Normal Thickness (.354)	<u>83⁰⁰</u>	per lf
	10.5 mm Normal Thickness (.413)	<u>93⁰⁰</u>	per lf
	12.0 mm Normal Thickness (.472)	<u>98⁰⁰</u>	per lf
	13.5 mm Normal Thickness (.531)	<u>102⁰⁰</u>	per lf
	15.0 mm Normal Thickness (.591)	<u>107⁰⁰</u>	per lf

e.	Storm Sewer Mains	27" Diameter	
	9.0 mm Normal Thickness (.354)		<u>84⁰⁰</u> per lf
	10.5 mm Normal Thickness (.413)		<u>94⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>99⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>104⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>109⁰⁰</u> per lf
f.	Storm Sewer Mains	30" Diameter	
	9.0 mm Normal Thickness (.354)		<u>85⁰⁰</u> per lf
	10.5 mm Normal Thickness (.413)		<u>94⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>100⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>105⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>111⁰⁰</u> per lf
g.	Storm Sewer Mains	36" Diameter	
	10.5 mm Normal Thickness (.413)		<u>111⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>120⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>128⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>135⁰⁰</u> per lf
	16.5 mm Normal Thickness (.650)		<u>144⁰⁰</u> per lf
	18.0 mm Normal Thickness (.709)		<u>153⁰⁰</u> per lf
h.	Storm Sewer Mains	42" Diameter	
	10.5 mm Normal Thickness (.413)		<u>122⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>132⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>141⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>152⁰⁰</u> per lf
	16.5 mm Normal Thickness (.650)		<u>173⁰⁰</u> per lf
	18.0 mm Normal Thickness (.709)		<u>184⁰⁰</u> per lf
i.	Storm Sewer Mains	48" Diameter	
	12.0 mm Normal Thickness (.472)		<u>180⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>192⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>202⁰⁰</u> per lf
	16.5 mm Normal Thickness (.650)		<u>216⁰⁰</u> per lf
	18.0 mm Normal Thickness (.709)		<u>225⁰⁰</u> per lf
	19.5 mm Normal Thickness (.768)		<u>234⁰⁰</u> per lf
	21.0 mm Normal Thickness (.827)		<u>244⁰⁰</u> per lf
j.	Storm Sewer Mains	54" Diameter	
	10.5 mm Normal Thickness (.413)		<u>203⁰⁰</u> per lf
	12.0 mm Normal Thickness (.472)		<u>212⁰⁰</u> per lf
	13.5 mm Normal Thickness (.531)		<u>222⁰⁰</u> per lf
	15.0 mm Normal Thickness (.591)		<u>232⁰⁰</u> per lf
	16.5 mm Normal Thickness (.650)		<u>243⁰⁰</u> per lf

18.0 mm Normal Thickness (.709)
 19.5 mm Normal Thickness (.768)
 21.0 mm Normal Thickness (.827)
 22.5 mm Normal Thickness (.886)

253⁰⁰ per lf
267⁰⁰ per lf
277⁰⁰ per lf
293⁰⁰ per lf

k. Storm Sewer Mains 60" Diameter

10.5 mm Normal Thickness (.413)
 12.0 mm Normal Thickness (.472)
 13.5 mm Normal Thickness (.531)
 15.0 mm Normal Thickness (.591)
 16.5 mm Normal Thickness (.650)
 18.0 mm Normal Thickness (.709)
 19.5 mm Normal Thickness (.768)
 21.0 mm Normal Thickness (.827)
 22.5 mm Normal Thickness (.886)

377⁰⁰ per lf
386⁰⁰ per lf
398⁰⁰ per lf
409⁰⁰ per lf
422⁰⁰ per lf
434⁰⁰ per lf
447⁰⁰ per lf
465⁰⁰ per lf
480⁰⁰ per lf

l. Storm Sewer Mains 72" Diameter

10.5 mm Normal Thickness (.413)
 12.0 mm Normal Thickness (.472)
 13.5 mm Normal Thickness (.531)
 15.0 mm Normal Thickness (.591)
 16.5 mm Normal Thickness (.650)
 18.0 mm Normal Thickness (.709)
 19.5 mm Normal Thickness (.768)
 21.0 mm Normal Thickness (.827)
 22.5 mm Normal Thickness (.886)

901⁰⁰ per lf
912⁰⁰ per lf
926⁰⁰ per lf
940⁰⁰ per lf
952⁰⁰ per lf
966⁰⁰ per lf
980⁰⁰ per lf
994⁰⁰ per lf
1014⁰⁰ per lf

Storm Sewer Cleaning in conjunction with Storm line rehabilitation. For this you must include prices in Section A, item 4. Ancillary Services.

a. Light Cleaning

14" - 18" Diameter
 20" - 24" Diameter
 27" - 42" Diameter
 48" - 72" Diameter

2⁰⁰ per lf
3⁰⁰ per lf
4⁰⁰ per lf
6⁰⁰ per lf

b. Medium Cleaning

14" - 18" Diameter
 20" - 24" Diameter
 27" - 42" Diameter
 48" - 72" Diameter

3⁰⁰ per lf
5⁰⁰ per lf
8⁰⁰ per lf
13⁰⁰ per lf

c. Heavy Cleaning

14" - 18" Diameter
 20" - 24" Diameter

4⁰⁰ per lf
8⁰⁰ per lf

27" - 42" Diameter	<u>13⁰⁰</u>	per lf
48" - 72" Diameter	<u>23⁰⁰</u>	per lf

d. Root Removal

14" - 18" Diameter	<u>3⁰⁰</u>	per lf
20" - 24" Diameter	<u>4⁰⁰</u>	per lf
27" - 42" Diameter	<u>5⁰⁰</u>	per lf
48" - 72" Diameter	<u>10⁰⁰</u>	per lf

e. Easement Access

14" - 18" Diameter	<u>1⁵⁰</u>	per lf
20" - 24" Diameter	<u>3⁰⁰</u>	per lf
27" - 42" Diameter	<u>5⁰⁰</u>	per lf
48" - 72" Diameter	<u>5⁰⁰</u>	per lf

f. Manhole/Junction Box, Clean/Jet-Vac 95⁰⁰ per mh

Ancillary Services for Sanitary Sewer and Storm Sewer Items.

a. By-Passing Pumping 8" - 72" Diameters

8" Sewer Flow	<u>75⁰⁰</u>	per lf	2
10" Sewer Flow	<u>85⁰⁰</u>	per lf	4
12" Sewer Flow	<u>2⁰⁰</u>	per lf	
15" Sewer Flow	<u>3⁰⁰</u>	per lf	
18" Sewer Flow	<u>4⁰⁰</u>	per lf	
20" Sewer Flow	<u>8⁰⁰</u>	per lf	
24" Sewer Flow	<u>10⁰⁰</u>	per lf	
30" Sewer Flow	<u>17⁰⁰</u>	per lf	
36" Sewer Flow	<u>20⁰⁰</u>	per lf	
42" Sewer Flow	<u>5⁰⁰</u>	per lf	
48" Sewer Flow	<u>6⁰⁰</u>	per lf	
54" Sewer Flow	<u>6⁰⁰</u>	per lf	
60" Sewer Flow	<u>6⁰⁰</u>	per lf	
72" Sewer Flow	<u>6⁰⁰</u>	per lf	

b. By-Passing Pumping Pump Set Up

4" Pump	<u>N/P</u>	each
6" Pump	<u>N/P</u>	each
8" Pump	<u>N/P</u>	each
10" Pump	<u>N/P</u>	each
12" Pump	<u>N/P</u>	each

c. Pump Operation (per hour per pump)

4" Pump	<u>N/P</u>	per hour
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	6" Pump	<u>N/P</u> per hour
	8" Pump	<u>N/P</u> per hour
	10" Pump	<u>N/P</u> per hour
	12" Pump	<u>N/P</u> per hour
d.	Service With Pressure Grouting	<u>280⁰⁰</u> each
e.	Mobilization	<u>3,500⁰⁰</u> lump sum
f.	Standard Service Reconnection	<u>220⁰⁰</u> each
g.	Trenchless Lateral Reconstruction System	
	Service Reconstruction up to 30 Linear Feet	<u>2,600⁰⁰</u> each
	Additional Footage	<u>80⁰⁰</u> per lf
	Additional for Stack Service	<u>300⁰⁰</u> each
	Clean-Out Installation, grassed area	<u>900⁰⁰</u> each
	Service with Pressure Grouting	<u>280⁰⁰</u> each
h.	Easement access, additional	
	<= 12" diameter	<u>3⁰⁰</u> per lf
	> 12" diameter	<u>5⁰⁰</u> per lf
i.	Blind Shot Set Up	<u>2,500⁰⁰</u> each
j.	Traffic Control	
	Flagman, each	<u>20⁰⁰</u> per hr
	Arrow Board, each	<u>180⁰⁰</u> per day
	Barricades, each	<u>1⁰⁰</u> per day
	Lane Dividers, each	<u>50⁰⁰</u> per day

Explanation of Terms – Sanitary Sewer Line Rehabilitation

- a. Additional Footage – The additional footage of lateral reconstruction beyond the 30 linear feet included in the base price.
- b. Additional for Stack Service - An additional charge incurred when reconstructing a service lateral in the stack or vertical configuration.
- c. Blind Shots - The additional charge incurred when terminating a section of Trenchless Pipe Reconstruction outside a manhole or similar structure.
- d. By-Pass Pumping - The bypassing of existing flows as needed during TV Inspection, cleaning or Pipe Reconstruction.

- e. Clean-out Installation - The installation of a lateral clean-out at a predetermined point. Price is based on installation at a shallow depth and within a grassed area.
- f. Easement Access - The additional charge incurred when working within easements between property boundaries.
- g. Mobilization - The travel charges incurred in transporting equipment and personnel to the jobsite from the nearest base of operations.
- h. Pricing - Both sewer line rehabilitation methods are based on a minimum order of \$10,000.
- i. Standard Service Reconnection - The reinstatement of the house service connection of the sewer main after the installation of the Trenchless Pipe Reconnection System. This is accomplished from within the sewer main via a remote controlled cutting device.
- j. Service Reconstruction up to 30 Linear Feet - The lateral reconstruction via the above Service Reconnection system for a base footage of 30 linear feet.
- k. Service with Pressure Grouting - Service wye to be pressure grouted after mainline has been rehabilitated and service line re-instated. A non-shrinking chemical grout is to be used (Avanti 118/101 or Cues Quickseal 105 are acceptable).
- l. Traffic Control - The additional charge incurred for placing traffic control personnel or devices in areas deemed unsafe. This does not cover the placement of standard traffic cones, which is included in the price for Trenchless Pipe Reconstruction.
- m. Trenchless Lateral Reconstruction - The installation of a resin impregnated cured-in-place lateral within the existing lateral extending from the sewer main connection to a previously installed clean-out. The Trenchless Lateral Reconstruction System is dependent upon the results of the internal inspection. Factors such as the lateral condition and alignment may prohibit the reconstruction. In this case a charge for the service lateral inspection and preparation for reconstruction will apply.
- n. Trenchless Pipe Reconstruction System, - Sanitary Mains, The installation of a resin impregnated, cured-in-place pipe by external heat source within the existing sewer main.

SANITARY MANHOLE REHABILITATION

1. Method 1 – Manhole Surfacing (spraywall) – Urthane Spraywall		
a.	Mobilization	<u>2000⁰⁰</u> L.S.
b.	Liner Thickness	
	½" (13 mm)	<u>315⁰⁰</u> per vertical foot (vf)
	1" (25 mm)	<u>485⁰⁰</u> per vf
c.	Bench / Invert Repair	<u>450⁰⁰</u> per manho (mh)
d.	Injection Grouting	
	Manhole Depth 0' to 5'0"	<u>300⁰⁰</u> per mh
	Manhole Depth 5'1" to 10'0"	<u>500⁰⁰</u> per mh
	Manhole Depth 10'1" to 15'0"	<u>700⁰⁰</u> per mh
	Manhole Depth 15'1" to 20'0"	<u>800⁰⁰</u> per mh
	Manhole Depth 20' and over	<u>900⁰⁰</u> per mh
e.	Manhole Clean/Jet-Vac	<u>100⁰⁰</u> per mh
f.	Removal of Existing Liner	<u>110⁰⁰</u> per vf
2. Method 2 – Manhole Surfacing (spraywall) – Aquatapoxy 405		
a.	Mobilization	<u>N/P</u> L.S.
b.	Liner Thickness	
	½" (13 mm)	<u>N/P</u> per vf
	1" (25 mm)	<u>N/P</u> per vf
c.	Bench / Invert Repair	<u>N/P</u> per mh
d.	Injection Grouting	
	Manhole Depth 0' to 5'0"	<u>N/P</u> per mh
	Manhole Depth 5'1" to 10'0"	<u>N/P</u> per mh
	Manhole Depth 10'1" to 15'0"	<u>N/P</u> per mh
	Manhole Depth 15'1" to 20'0"	<u>N/P</u> per mh
	Manhole Depth 20' and over	<u>N/P</u> per mh

- e. Manhole Clean/Jet Vac N/P per mh
- f. Removal of Existing Liner N/P per vf

Method 3 – Manhole Surfacing – Protective Liner System

- a. Mobilization N/P L.S.
- b. Liner Thickness
 - ½" (13 mm) N/P per vf
 - 1" (25 mm) N/P per vf
- c. Bench / Invert Repair N/P per mh
- d. Injection Grouting
 - Manhole Depth 0' to 5'0" N/P per mh
 - Manhole Depth 5'1" to 10'0" N/P per mh
 - Manhole Depth 10'1" to 15'0" N/P per mh
 - Manhole Depth 15'1" to 20'0" N/P per mh
 - Manhole Depth 20' and over N/P per mh
- e. Manhole Clean Jet-Vac N/P per mh
- f. Removal of Existing Liner N/P per vf

Explanation of Terms – Sanitary Manhole Rehabilitation

- a. Bench / Invert Repair - Repairs made to the bench and invert area of the manhole.
- b. Injection Grouting - placement of grout curtain around the manhole exterior via drilled access points in the manhole wall. Grout to be used - acrylate chemical grout AC400 or Avanti AV/118.
- c. Mobilization - travel costs incurred in transporting equipment and personnel to the jobsite from the nearest base of operation.
- d. Prices - shown per vertical foot (vf) are for 48" diameter manholes, for 60" diameter multiply price by 1.25. Larger diameter manholes will be priced by the square foot by dividing the vertical foot price by 12.56. This will also apply for irregular shapes.

SEWER LINE CLEANING AND INSPECTION

1.	Sewer Line Cleaning		
a.	Mobilization		<u>1,125⁰⁰</u> lump sum
b.	Traffic Control		<u>225⁰⁰</u> per day
c.	Traffic Control		<u>1,125⁰⁰</u> per week
d.	Light Cleaning	6" to 12" Diameter	<u>0.95</u> per lf
		14" to 18" Diameter	<u>1.40</u> per lf
		20" to 24" Diameter	<u>2.25</u> per lf
		27" to 42" Diameter	<u>3.35</u> per lf
e.	Medium Cleaning	6" to 12" Diameter	<u>1.40</u> per lf
		14" to 18" Diameter	<u>1.35</u> per lf
		20" to 24" Diameter	<u>4.45</u> per lf
		27" to 42" Diameter	<u>6.20</u> per lf
f.	Heavy Cleaning	6" to 12" Diameter	<u>2.25</u> per lf
		14" to 18" Diameter	<u>3.35</u> per lf
		20" to 24" Diameter	<u>6.70</u> per lf
		27" to 42" Diameter	<u>8.90</u> per lf
g.	Root Removal	6" to 12" Diameter	<u>2.25</u> per lf
		14" to 18" Diameter	<u>2.25</u> per lf
		20" to 24" Diameter	<u>2.25</u> per lf
		27" to 42" Diameter	<u>5.00</u> per lf
h.	Tuberculation	6" to 12" Diameter	<u>19.00</u> per lf
		14" to 18" Diameter	<u>25.00</u> per lf
		20" to 24" Diameter	<u>28.00</u> per lf
		27" to 42" Diameter	<u>35.00</u> per lf
i.	Easement Access	6" to 12" Diameter	<u>1.25</u> per lf
		14" to 18" Diameter	<u>1.70</u> per lf
		20" to 24" Diameter	<u>2.25</u> per lf
		27" to 42" Diameter	<u>2.25</u> per lf
j.	Lift Station clean/Jet-vac.		<u>78.00</u> per cu yd
k.	Manhole clean/Jet-vac		<u>81.00</u> per mh

By-Pass Pumping

a. 8" - 36" Diameters

8" Sewer Flow	<u>.85</u> per lf
10" Sewer Flow	<u>.85</u> per lf
12" Sewer Flow	<u>1.15</u> per lf
15" Sewer Flow	<u>1.40</u> per lf
18" Sewer Flow	<u>1.70</u> per lf
20" Sewer Flow	<u>2.80</u> per lf
24" Sewer Flow	<u>2.80</u> per lf
30" Sewer Flow	<u>3.35</u> per lf
36" Sewer Flow	<u>3.35</u> per lf

b. Pump Set-Up

4" Pump	<u>.60</u> each
6" Pump	<u>335⁰⁰</u> each
8" Pump	<u>335⁰⁰</u> each
10" Pump	<u>335⁰⁰</u> each
12" Pump	445⁰⁰ each R.T. <u>445</u>

c. Pump Operation (per hour per pump)

4" Pump	<u>84⁰⁰</u> per hour
6" Pump	<u>110⁰⁰</u> per hour
8" Pump	<u>170⁰⁰</u> per hour
10" Pump	<u>170⁰⁰</u> per hour
12" Pump	<u>225⁰⁰</u> per hour

TV Inspection - Sewer Lateral

a. Lateral Inspection	0' to 30'	<u>60⁰⁰</u> each
b. Additional Lateral Inspection	> 30'	<u>1.5</u> per lf

TV Pipe Inspection (< 10,000 lf)

a. Mobilization	<u>1200⁰⁰</u> lump sum
b. Traffic Control	<u>25</u> per day
c. Traffic Control	<u>1200⁰⁰</u> per week
d. 6" to 12" Diameter	<u>1.12</u> per lf
e. 14" to 18" Diameter	<u>1.70</u> per lf
f. 20" to 24" Diameter	<u>1.70</u> per lf
g. 27" to 42" Diameter	<u>2.80</u> per lf

5.	TV Pipe Inspection (> 10,000 lf)	
a.	Mobilization	<u>560</u> ⁰⁰ lump sum
b.	Traffic Control	<u>225</u> ⁰⁰ per day
c.	Traffic Control	<u>1200</u> ⁰⁰ per week
d.	6" to 12" Diameter	<u>.90</u> per lf
e.	14" to 18" Diameter	<u>1.40</u> per lf
f.	20" to 24" Diameter	<u>1.60</u> per lf
g.	27" to 42" Diameter	<u>2.50</u> per lf
6.	Manhole Inspection	<u>78</u> ⁰⁰ each
7.	Smoke Testing	<u>.45</u> per lf
8.	Additional Set-Up	<u>340</u> ⁰⁰ lump sum
9.	Explanation of Terms – Sewer Line Cleaning and Inspection	
a.	<u>Additional Set Up</u> - The charge for the termination of the TV Inspection in a section of pipe due to a blockage, and the re-entry of the camera from the opposite direction. The footage actually televised would be charged in addition to Set Up.	
b.	<u>Cleaning</u>	
	• <u>Light Cleaning</u> - The removal of 1/4 diameter or less of sand and/or debris from a section of pipe. The removal of roots and/or tuberculation would be considered a separate line item.	
	• <u>Medium Cleaning</u> - The removal of 1/4 to 1/2 diameters of sand and/or debris from a section of pipe. The removal of roots and/or tuberculation would be considered a separate line item.	
	• <u>Heavy Cleaning</u> - The removal of greater than 1/2 diameter of sand and/or debris from a section of pipe. The removal of roots and/or tuberculation would be considered a separate line item.	
c.	<u>Lateral Inspection</u> - Televised inspection of a service connection via an existing clean-out. Payment is a lump sum for footage up to 30 linear foot. Additional footage would be charged at the applicable rate.	
d.	<u>Manhole Inspection</u> - The televised inspection of the manhole interior, noting any deficiencies.	
e.	<u>Mobilization</u> - The travel charges incurred in transporting equipment and personnel to or from the jobsite to the nearest base of operation.	

- f. Smoke Testing - The introduction of a smoke producing device into a section of pipe for the purpose of determining sources of exfiltration or cross-connections.
- g. Traffic Control - The additional charge incurred for placing traffic control personnel or devices in areas deemed unsafe. This does not cover the placement of standard traffic cones
- h. TV Inspection - The televised inspection of the pipe interior using remote controlled video equipment. Payment is by the linear feet of travel within the pipe. TV inspection does not include any cleaning except for the use of water jet or camera transport. The unit price varies according to the pipe diameter. Written inspection reports and video are required for each TV inspection performed.

GENERAL INSURANCE REQUIREMENTS

The Contractor shall not commence work until he has obtained all the insurance required under this heading, and until such insurance has been approved by the Owner, nor shall the Contractor allow any subcontractor to commence work until all similar insurance required of the subcontractor has also been obtained and approved by the Owner.

Certificates of insurance must be issued by an authorized representative of the insurance company at the request and direction of the policyholder and must include sufficient information so as to identify the coverage and the contract for Owner's improvements for which they are issued. Certificates of insurance must be issued by a nationally recognized insurance company with a Best's Rating of no less than B+VII, satisfactory to the Owner, and duly licensed to do business in the state of said Contract.

The Contractor shall procure and maintain, during the life of this Contract, Workmen's Compensation Insurance for all of his employees to be engaged in work under this Contract, and he shall require any subcontractor similarly to provide Workmen's Compensation Insurance for all of the latter's employees to be engaged in such work, unless such employees are covered by the protection afforded by the Contractor's insurance. In case any employees are to be engaged in hazardous work under this Contract, and are not protected under this Workmen's Compensation statute, the Contractor shall provide, and shall cause each subcontractor to provide, adequate coverage for the protection of such employees. It is acceptable to use a State-approved Workmen's Compensation Self-Insurance fund.

The Contractor shall take out and maintain during the life of this Contract, Public Liability and Property Damage and shall include Contractual Liability, Personal Injury, Libel, Slander, False Arrest, Malicious Prosecution, Wrongful Entry or Eviction, Broad Form Property Damage, Products, Completed Operations and XCU Coverage to be included on an occurrence basis, and to the full extent of the Contract to protect him, the Owner, and any subcontractor performing work covered by this Contract from damages for personal injury, including accidental death, as well as from claims for property damage, which may arise from operations under this contract, whether such operations be by himself or by a subcontractor, or by anyone directly or indirectly employed by either of them. The Contractor shall also maintain automobile liability insurance including "non-owned and hired" coverage. The entire cost of this insurance shall be borne by the Contractor.

The amount of such insurance shall be no less than \$1,000,000 annual aggregate for bodily injury and property damage combined per occurrence.

The City of Naples and their Engineer must be named as **Additional Insured** on the insurance certificate and the following must also be stated on the certificate. "These coverages are primary to all other coverages the City possesses for this contract only." The City of Naples shall be named as the Certificate Holder. **The Certificate Holder shall read as follows:**

**The City of Naples
735 Eighth Street South
Naples, Florida 34102**

No City Division, Department, or individual name should appear on the Certificate.
No other format will be acceptable.

Thirty (30) days cancellation notice required.

The Certificate must state the bid number and title.

When using the "Accord" form of insurance certificate, please note that under the cancellation clause, the following must be deleted: "endeavor to" and "but failure to mail such notice shall impose no obligation or liability of any kind upon the company"