

**AGENDA**  
**SPECIAL PUBLIC WORKS & UTILITIES COMMITTEE**  
**Village of Hoffman Estates**  
**April 2, 2018**

**Immediately following the Special General Administration and Personnel Committee**

Members:	Anna Newell, Chairperson	Gary G. Stanton, Trustee
	Michael Gaeta, Vice Chairperson	Karen J. Arnet, Trustee
	Gary Pilafas, Trustee	William McLeod, Mayor
	Karen V. Mills, Trustee	

**I. Roll Call**

**NEW BUSINESS**

1. Request authorization to waive bidding and award contract for the emergency repair and lining of two sections of sanitary sewer located on Higgins Road at Manchester Drive (Phase 1) to Insituform Technologies, Orland Park, IL, in an amount not to exceed \$82,840.

**II. Adjournment**

*The Village of Hoffman Estates complies with the Americans with Disabilities Act (ADA). For accessibility assistance call the ADA Coordinator at 847/882-9100.*

**COMMITTEE AGENDA ITEM  
VILLAGE OF HOFFMAN ESTATES**

**SUBJECT:** Request authorization to waive bidding and award contract for the emergency repair and lining of two sections of sanitary sewer located on Higgins Road at Manchester Drive (Phase 1) to Insituform Technologies, Orland Park, IL, in an amount not to exceed \$82,840.

**MEETING DATE:** April 2, 2018

**COMMITTEE:** Public Works & Utilities

**FROM:** Joseph Nebel, Director of Public Works  
Haileng Xiao, Superintendent of Water & Sewer

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**PURPOSE:** To authorize and approve emergency sanitary sewer repair work.

**BACKGROUND:** Sewage from the Barrington Lift Station is discharged into a 20” sanitary sewer main, made of concrete pipe, which was installed in late 1969. In November of 2017, we received a report of a sinkhole and a contractor was hired to replace a section of the line underneath Manchester Dr. After the replacement, staff started a system flushing to remove debris washed into the sewer so that sewage was able to flow freely along Higgins Road.

Shortly after that repair and cleaning, staff conducted a closed circuit television (CCTV) inspection of the sewer and discovered additional damaged sections of the concrete pipe along Higgins Road. The entire length of pipe is over 3,130’ along Higgins Road from west of Manchester to its Route 72 crossing at Oakmont Road, including two sections of Oakmont Road, and shows various degree of damage with the sections immediately east and west of Manchester Dr. being the most severe. CCTV inspection reports and video footage were sent to contractors for options and costs for permanent repair and replacement for all damaged and affected sanitary sewer along Higgins Road.

The major challenge is that there is not enough holding capacity at Barrington Lift Station for the sanitary sewer to be taken out of service for lengthy permanent repairs and replacement requiring a complex bypass pumping system. Also, simple repair/replacement by excavation may trigger additional sections of the pipe to collapse and escalate the situation. In late February, a sewer backup occurred affecting units in the Hilldale Condominiums due to severe weather and the condition of the sewer main.

**BACKGROUND – Continued:**

Additional meetings with contractors and field inspections were conducted after this situation. As a result of these meetings and inspections, a two phase strategy with Cured-In-Place Pipe lining (CIPP) was developed. The first phase is the emergency repair to have the most fragile sections (695’), located immediately east and west of Manchester Dr., lined with CIPP as soon as possible to prevent collapse. The first phase takes less time to complete and allows for a less complex bypass pumping system to be installed. The second phase is to have the remaining (2,435’) of pipe repaired by lining after proper project engineering and planning. It is imperative that prolonged bypass pumping can be provided so that the repair process can take the time necessary to ensure the quality of the lining. A second phase, which has a much higher footage involved, will allow the necessary time to select a contractor for the project through the competitive bidding process.

**DISCUSSION:**

Staff contacted contractors for repair options. Proposals were received by Visu-Sewer and Insituform Technologies, both firms that have completed a substantial amount of sanitary sewer rehabilitation in satisfactory manner for the Village since 2000. The two proposals for Phase I repair are listed as follows:

<u>Company</u>	<u>Lump Sum for Lining Phase I (695’)</u>
Insituform	\$77,840
Visu-Sewer	\$123,710

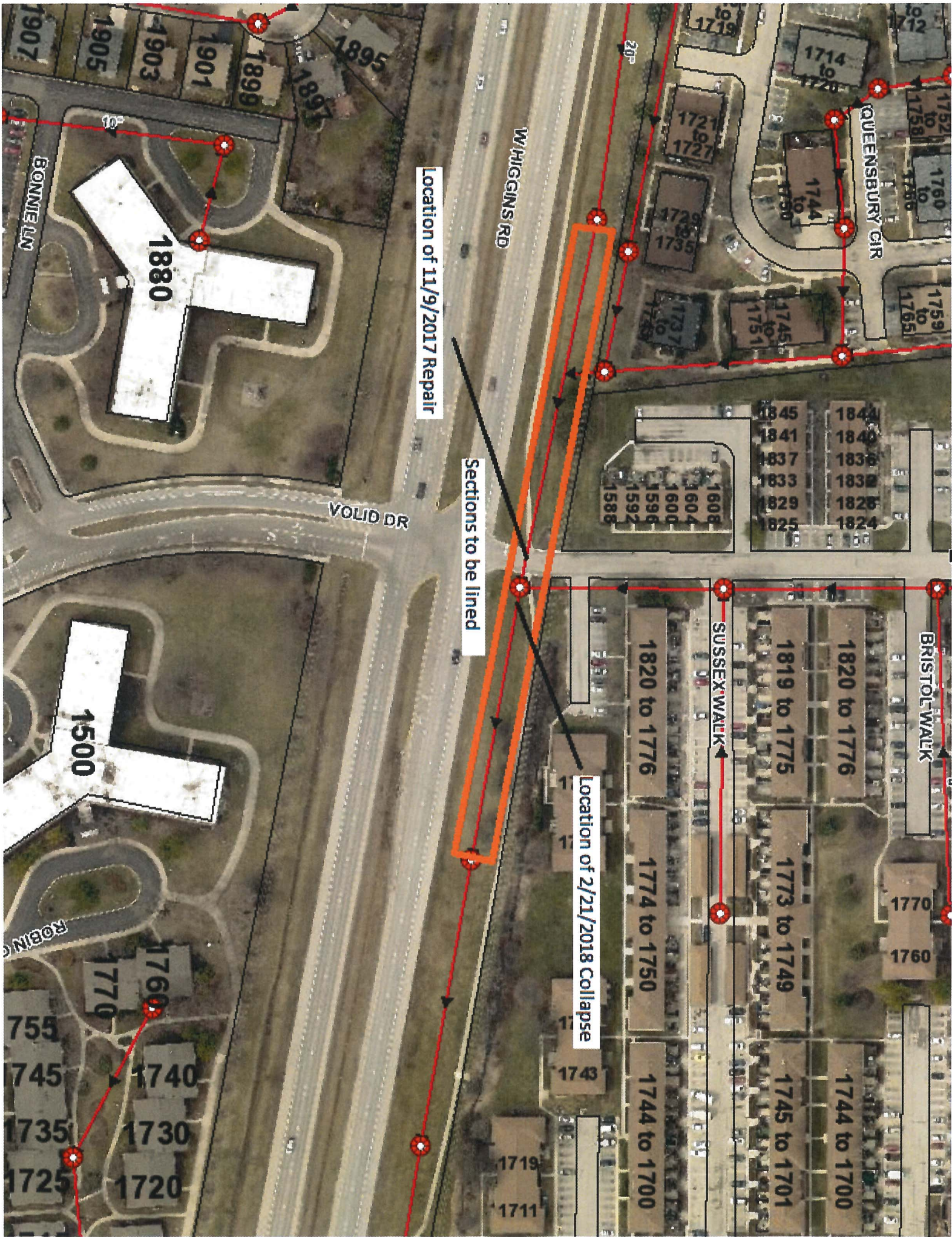
Staff’s review of the two proposals indicates the proposal from Insituform not only costs far less but offers more protection for work quality by providing a limited warranty. Proposal from Visu-Sewer offers “as-is” condition and does not take responsibility for defects caused by the existing conditions of the host pipe segments. Staff recommends approval of the proposal and award of contract to Insituform. In consideration of the complexity of underground repair projects, a small contingency is typically expected for unforeseen field conditions. Staff recommends \$5,000 to be added to cover these conditions should they be encountered as part of the total approved amount of the emergency repair.

**FINANCIAL IMPACT:**

There is a balance from the 2015 bond fund that is sufficient to cover the proposed costs by Insituform. Staff recommends the project be added into the Budget as part of bond funded capital improvement projects.

**RECOMMENDATION:**

Request authorization to waive bidding and award contract for the emergency repair and lining of two sections of sanitary sewer located on Higgins Road at Manchester Drive (Phase 1) to Insituform Technologies, Orland Park, IL, in an amount not to exceed \$82,840.



Location of 11/9/2017 Repair

Sections to be lined

Location of 2/21/2018 Collapse

W HIGGINS RD

QUEENSBURY CIR

BONNIE LN

VOLID DR

SUSSEX WALK

BRISTOL WALK

1880

1500

1776

1740

1730

1720

1714

1744

1751

1833

1819 to 1775

1820 to 1776

1773 to 1749

1745 to 1701

1744 to 1700

1721

1735

1737

1608

1604

1600

1596

1592

1588

1820 to 1776

1774 to 1750

1744 to 1700

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**Insituform**  
Technologies USA, LLC

Worldwide Pipeline  
Rehabilitation

11351 W. 183rd Street  
Orland Park, IL 60467

Tel: 630-842-8539  
Fax: 708-478-4871  
kcoburn@insituform.com

Hoffman Estates  
Attn: Haileng Xiao  
2305 Pembroke Ave  
Hoffman Estates, IL 60169

March 7, 2018

**Re: Hoffman Estates Emergency CIPP Proposal**

Insituform Technologies USA, LLC. (Contractor) will provide services to complete the following Insituform® work on the above referenced project:

Scope of Work:

Description	Quantity	Unit	Unit Price	Total
CIPP 20"	695	LF	\$ 107.00	\$ 74,365.00
Cut Back Rock @ 44'	1	LS	Lump Sum	\$ 3,475.00
			<b>Total</b>	<b>\$ 77,840.00</b>

**Note: MH 2885 to MH 5725 @ 44' has a rock protruding at the 9 o'clock position. We will use our VI cutter to cut this rock back as much as possible to reduce the protrusion. The VI cutter is a combination robot transport, air powered cutting tool and camera. We anticipate putting a 3" diamond blade on the cutting tool to cut the rock.**

**Note: We will take efforts not to damage this pipe, but cleaning efforts will be necessary to remove some of the build-up on this pipe. If the pipe collapses during the cutting or TV/Clean process, the cost of point repairs is not included in this proposal.**

**Note: We are prepared to deal with bypass needs should our installation go longer than 8 hours.**

**INCLUDED:**

- ✓ Pipe line cleaning. Loose debris (up to two inches) and "normal" deposits only. Extraordinary conditions will need to be treated as a point repair.
- ✓ Installation of Insituform® complete per ASTM F1216.
- ✓ Dry weather work only.
- ✓ Bypassing – As needed.
- ✓ CD with "mpeg file" of internal inspection pre and post Insituform®
- ✓ Certificate of insurance with a standard coverage.

**EXTRA:**

- ◆ Excavation Point Repairs (at collapses and other obstructions unable to be removed with conventional sewer cleaning equipment), and related restoration.
- ◆ Repairs to the sewer due to collapsed pipe sections, protruding taps, lodged equipment, etc.
- ◆ Performance/Payment Bond (at 2.5% of proposal price).
- ◆ Special Insurance such as Railroad, OCP, Builders Risk...
- ◆ Weekend/Holiday Work.

**BY OTHERS:**

- ◆ Provide access to all manholes
- ◆ All permits.
- ◆ Provide hydrant on job site (for 2" or 2.5" connection) for water to clean sewer and invert Insitutube™. If tanker use is required, it is an extra at \$300/hr.
- ◆ Provide dump site, haul permits, and associated items for sewer debris disposal. Any toxic waste handling is to be done by others.

**General Conditions:**

1. We reserve the right to negotiate our prices, should the CIPP quantities differ more than 10% from those stated in this proposal.
2. Laterals that can be positively identified (with the camera) as plugged, will not be reinstated. All other laterals will be opened unless otherwise directed in writing by the owner.
3. To the extent permitted by law and in accordance with the terms of this contract, Contractor shall indemnify and hold harmless the Owner, Architect/Engineer, and agents and employees of any of them from and against claims, damages, losses, and expenses including but not limited to attorneys' fees, arising out of or resulting from the work performed by Contractor, save and except any economic losses not related to bodily injury, sickness, disease or death, provided that such claim, loss or expense is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property excluding economic loss or use thereof (other than the work itself), but only to the extent caused in whole or in part by negligent acts or omissions of Contractor, anyone directly or indirectly employed by it or anyone for whose acts Contractor may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder.

In claims against any person or entity indemnified under this paragraph by an employee of Contractor, anyone directly or indirectly employed by it or anyone for whose acts Contractor may be liable, the indemnification obligation under this paragraph shall be limited by a limitation on the amount or type of damages, compensation or benefits payable by or for Contractor or its subcontractors under workers' compensation acts, disability benefit acts or other employee benefit acts.

The obligations of Contractor under this paragraph shall not extend to the liability of the Owner, Architect/Engineer, Architect/Engineer's consultants, and agents and employees of any of them arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications, or (2) the giving of or the failure to give directions or instructions by the Owner, Architect/Engineer, Architect/Engineer's consultants, and agents and employees of any of them.

4. **LIMITED WARRANTY. IN LIEU OF ALL OTHER EXPRESSED, IMPLIED AND/OR STATUTORY WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, CONTRACTOR AGREES TO CORRECT ANY DEFECTS IN THE MATERIALS OR SERVICES PROVIDED BY CONTRACTOR WHICH ARE BROUGHT TO THE ATTENTION OF CONTRACTOR WITHIN ONE YEAR FOLLOWING COMPLETION OF CONTRACTOR'S WORK, PROVIDED OWNER AFFORDS CONTRACTOR SUITABLE ACCESS AND WORKING CONDITIONS TO ACCOMPLISH SUCH CORRECTION.**



5. **MUTUAL RELEASE OF CONSEQUENTIAL DAMAGES.** Neither party shall be liable to the other for consequential damages relating to or arising out of the Contract.
6. Any restrictions in our normal weekday work hours required by local, state, and/or federal authorities (due to noise restrictions or other reasons not known at the time of this proposal) will be an extra charge.
7. All labor, equipment, material, supervision, and mobilization necessary to complete the Insituform® process per the above conditions, and Insituform® specifications, are included.
8. **PAYMENT TERMS:** Payment is due in full, without exception or retention, within 35 days of date of invoice.
9. This proposal supersedes and nullifies all previous estimates and proposals under the same number, and is good for 60 days.

Sincerely,  
**INSITUFORM TECHNOLOGIES USA, LLC.**



Kevin Coburn, Business Development Manager Cell – 630-842-8539

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Company: \_\_\_\_\_

Signed: \_\_\_\_\_

Printed Name/Title: \_\_\_\_\_ Date: \_\_\_\_\_

Is this Project Tax Exempt? \_\_\_\_\_ If Yes, please provide Tax Exemption Form and, where applicable, Project Exemption Form.

Does this Project require Certified Payroll? \_\_\_\_\_  
 Are there wage rates? \_\_\_\_\_ If yes, please provide a copy of the wage rates.

**This accepted proposal constitutes a formal agreement. If you initiate a purchase order or other contract document it shall not be acknowledged without this accepted proposal as an attachment.**

Accepted By: Insituform Technologies USA, LLC.

**By:** \_\_\_\_\_

**Date:** \_\_\_\_\_



# Proposal

To: Haileng Xiao  
Village of Hoffman Estates  
2305 Pembroke Ave.  
Hoffman Estates, IL 60169  
847-490-6800

From: Mike Blazejovsky  
Visu-Sewer, Inc.  
W230 N4855 Betker Dr.  
Pewaukee, WI 53072  
414-335-2538

**Date:** 3/12/2018

**Project:** Higgins Rd. - 20" Sanitary Sewer Emergency Lining

Visu-Sewer is pleased to provide the following quotation for sewer lining:

**Install 695 L.F. of 20" National Liner @ \$178.00 per linear foot                      \$ 123,710.00**

The above listed price is based on the current video inspection and includes:

- Labor, material, equipment and mobilization on an emergency basis.
- Pre-televising of sewers prior to installation of liner.
- **Bypass capacity of up to 2,000 GPM from incoming force main.**
- **Bypass of flows from small diameter incoming side lines.**
- Installation of 9.0mm finished thickness liner.
- Installation of National Liner per manufacturer's instructions, ASTM 1216
- Reinstatement of three (3) active service connections.
- Televising of sewers after installation of liner.
- **Mats to protect off-road areas where trucks will be driven.**

The Village of Hoffman Estates will need to provide:

- Restoration of any grass areas used for required access.
- Direct connection to a fire hydrant (Visu to provide backflow prevention)

**Note: Due to the extreme deterioration and poor condition of the pipe segments to be rehabilitated, the pipes will be lined in an "as-is" condition with minimal or no cleaning prior to installation. This includes lining over obstructions that have been identified in the Village's previous CCTV inspections. We cannot be responsible for defects or non-structural areas of the finished liner caused by the existing conditions of the host pipe segments.**

Please do not hesitate to contact Keith Alexander or myself at 262-695-2340 with any questions.

All material guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to standard practices or specifications submitted. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. If a collapse of the original pipe results during the lining process, Visu-Sewer will not be held liable for costs associated with excavation, repairs or restoration. Our workers are fully covered by Workmen's Compensation Insurance. This proposal may be withdrawn if not accepted within 30 days of issue. Terms - Net 30 days.

## Acceptance of Proposal

The above prices / conditions are satisfactory and are hereby accepted. Visu-Sewer, Inc. is authorized to do the work as specified.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

[www.visu-sewer.com](http://www.visu-sewer.com)

**WISCONSIN - ILLINOIS - MINNESOTA - IOWA - MISSOURI**