



**SAVY & SONS**  
*Building the future.  
 Restoring the past.*

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 savyandsons.com

<b>COMPANY NAME</b> Ledyard Historic District Commission		<b>TODAY'S DATE</b> 10/24/2024
		<b>JOB ID</b> 2012-1881608-01
<b>PROJECT ADDRESS</b> 172 Iron Street, Ledyard, Connecticut, 06339		
<b>PROJECT NAME</b> Sawmill Pipe Repair		<b>PROJECT CONTACT</b> Ledyard Historic District Commission, William Barns
<b>PROPOSAL COMPOSED BY</b> Gino Padewski		<b>SALES REP CONTACT NUMBER</b> (860) 204-7479

**Project Description**

This is a Savy and Sons Mainline CIPP service proposal. The Town of Ledyard in conjunction with the Ledyard Historic District Commission has requested a proposal for repair work to be completed on the historic "Up-Down Sawmill Penstock" that has been leaking along the entire penstock. Savy and Sons is proposing the following repairs to address the water infiltration in accordance to the requested scope of work, proposal #2025-03.

Savy and Sons will begin by setting up a temporary by pass using sand bags and other natural materials at the "wood head gate" to prevent water from entering the penstock while work is being rendered.

After the bypass has been set up, Savy and Sons will begin prepping the rectangular concrete and steel pipe sections of the penstock for application of CIPP "Cured In Place Pipe". CIPP is a minimally invasive trenchless solution where pipes can be repaired and returned to service without disturbing the area around the pipe. Using the CIPP materials approach will allow Savy and Sons to complete a water tight pipe repair without digging or removing materials from the site and maintaining the structural and historical integrity of the site.

After the CIPP preparation has been completed, Savy and Sons can then begin to install the 25' of 24", UV cured, 12mm CIPP liner starting in the rectangular concrete section of the penstock and wood head gate to the out fall into 30" steel tank leading to the Tyler water turbine.

When curing has been completed and the liner has its final shape and ridged form, Savy and Sons will fill the annular space above and below the new CIPP liner in the rectangular section of the penstock pipe with MS 10,000 UL, a flowable fill designed to fill large voids. This work will be performed with Savy and Sons concrete pumping equipment that allows for pressure regulation ensuring the materials do not disturb the newly installed liner or historic foundation and building. Filling the annular space will help support the new CIPP liner and prevent future water infiltration above and below the newly installed liner.

After all the work has been completed, Savy and Sons will perform a visual and CCTV inspection to confirm the quality of the repair. We anticipate the project to take 4-5 days to complete.

debris and/or clogged pipes and cut and descale blockages as discovered and necessary. anything other than roots/ rocks/ dirt and debris that cannot be removed using standard drain cleaning jetting and descaling equipment will require an additional Robotic cutting service below.

### **Vacuum and Removal**

If vacuum services are required in order for Savy & Sons to complete inspection and/or jetting services, the rates are listed below.

~Jet/ Vacuum Combo Truck With 2 Operators Rates:

- \$2,000 minimum charge for 4 hours port to port
- \$4,000.00 per day 8 hours port to port
- After 4 hour minimum charge, hourly rate will be charged at \$500/ hr

### **Disposal Costs:**

- \$195/ ton (non hazardous material)
- \$235 / ton (hazardous material)
- \$400 lab material testing (REQUIRED for any debris other than sewer)
- A 4 ton minimum load charge shall apply, unless customer has a suitable dump site.
- PRICING DOES NOT INCLUDE DEBRIS DISPOSAL COST, THIS WILL BE BILLED UPON COMPLETION.

### **Additional Service Pricing if required:**

This proposal price does NOT include Traffic control. If traffic control is needed a 48 hour notice is required for Savy & Sons to hire Traffic Control

### **Project Specific Notes:**

- Does not include job specific or necessary permit fees, once this proposal is signed, Savy & Sons will apply for permits and all associated costs will be added to the project total cost.
- CBYD will be performed before project start.
- If an on-site witness inspector is required for this service, a predetermined time of inspection must be planned prior to job start.
- Customer to provide on site hydrant or 2"+ water fill up source as needed for jet/vac combo truck.

Savy and Sons will first locate all on site access points and or clean outs and CCTV (closed circuit television) and perform a pipe camera inspection. This inspection will determine the condition of the pipe and be recorded for documentation.

At this point we will assess and determine the repair and lining options as Savy & Sons can dig and replace or use trenchless technology to install Cured in Place Pipe systems. Savy and Sons are certified applicators of many Cured In Place Pipe systems that we will install.

### **Pipe Preparation and Reinstatement**

technologies.

**CIPP Lining Solution CIPP (Cured In Place Pipe Lining)** technology is a resin-saturated felt tube made of polyester, fiberglass cloth and resin impregnation. It is inverted with air or pulled into a damaged pipe. This system will create a monolithic seamless liner inside the pipe which increases original flow rate by eliminating all pipe joints and reducing friction . CIPP Lining is best suited for straight pipe runs but can be used for bends in some instances.

**SIPP Lining Solution SIPP (Spray In Place Pipe Lining)** technology is 100% Solids Epoxy resin that is spray/brush applied in multiple layers and provides a damp proof, corrosion resistant, wear-resistant lining. The lining thickness and material can be adjusted based on your specific project needs. We offer solutions for high heat, high pressure and even NSF/ANSI 61 potable water.

Both SIPP and CIPP application methods create little to no dig solutions making it a "Trenchless" technology. This makes for a cost effective and less disruptive method rather than the traditional "dig and replace" pipe repair methods. Both of these methods hold extreme chemical resistance.

**Savy and Sons SIPP/ CIPP Warranty** Both systems carry a full ten year warranty and have a 50 year life expectancy per ASTM- F 1216 Third Party Testing. Max flow temps not to exceed 140F. No cables/ drain snake type equipment to be used after liner is installed. Call Savy & Sons for all future service. Please see Savy and Sons Warranty for details. Custom warranty options are available at owners request.

**Please Note: Savy and Sons will submit the video inspection report and written report to the customer.**

**Customer agrees to pay the Inspection charge in full.**

**Total Estimated Project Cost            \$46,404.00**  
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**Payment terms & conditions:** A nonrefundable 50% down payment due before project start. Upon receiving invoice, customer agrees to pay the remaining 50% in full within 30 days of when customer receives invoice.

**We accept checks or credit card for your convenience (3% additional merchant fee added to total invoice)**  
There will be a 2% late fee on any invoice not paid after 30 days, an additional 2% will be charged every 15 days thereafter. If Invoice is 30 days delinquent, a bond claim will be filed. If invoice is 60 total days delinquent, a mechanics lien may be filed to enforce collection and buyer agrees to pay all costs accrued.

**Please Note:**

1. Any project scheduled after November 1st may be subject to price increase due to below freezing weather conditions which require additional equipment and services.
2. Due to the current situation that COVID-19 and other circumstances beyond our control has caused, material pricing is only valid for 5 days upon receipt of this proposal . If any COVID-19 testing or specific protocol is required, pricing is subject to change.

This constitutes the full agreement between buyer and Savy & Sons, changes will only be executed upon written and signed orders and may result in change of costs. This proposal is valid for 5 days of proposal date.

**Assumptions:**

2. Above quantities are for estimating purposes only. Actual quantities recorded in the field will be invoiced. We are assuming quantities/dimensions provided to us by customer. If quantities/dimensions are agreed upon, any work exceeding those number will be subject to additional charge. If there are any project changes the price is subject to change
3. Pricing assumes that any utilities are not active. If live utilities are found and restrict work from progressing, additional charges may be applied.
4. Owner to supply access to all safe openings, all necessary permits, police details and/or traffic control if needed. If parking is off-site, customer to provide temporary location for contractor to load/unload equipment.
5. If owner does not provide and accept responsibility of debris disposal, additional cost for debris disposal will be applied.
6. Any project concerns such as odors, noise, vibrations, dust, over-spray must be formally discussed prior to work. Any unexpected hold-points will be additional charge.
7. Check-in/Check-out/Orientation procedures to be disclosed by customer prior to proposal. Unexpected delays caused by undisclosed check-in/check-out/Orientation procedures will be additional charge.
8. Contractor projects hold a standard 1 year craftsmanship warranty. See warranty page for full details regarding Warranties. Executed warranty will be sent once completed and paid in full
9. All work will be performed during regular work hours unless otherwise noted.
10. Where applicable the owner will receive and store (or permit the contractor to store) within one hundred feet of the work area, and properly protect from damage or loss, the materials and equipment for carrying out this contract, and allow the contractor reasonable use of light, heat, water, power and available elevators, hoists etc. necessary to perform this contract as well as access to roof, if required.
11. Contractor will provide submittals and a Work Schedule prior to commencement of any work, if so required. Submittals and sample testing provided to the owner are a representative sample. Finish products may vary slightly in color, texture, etc.
12. Any alteration or deviation from above specification involving extra costs will be executed only upon a written change order and will become an extra charge over and above the contract price.
13. All pricing is based on all existing materials being non-hazardous and does not include any special removal or disposal costs associated with such.
14. Total project cost does not include prevailing wage rates unless otherwise noted. If the project is prevailing wage, additional costs will apply.
15. Pricing does not include bid, performance or payment bonds unless otherwise stated in this specific proposal.

## **GENERAL TERMS AND CONDITIONS**

- I. General Conditions: These general conditions are incorporated by reference into the proposal and are part of the Agreement under which services are to be performed by the Contractor for the Customer.
- II. Customer Supplied Labor: Where the Customer supplies labor for the Contractor; the Customer will indemnify the Contractor for liability, loss or expense for work related injuries to the Customer's employees. The Customer agrees to waive all rights of subrogation against the Contractor arising out of the work in this Agreement.
- III. Damage Limitations: Under no circumstances will the Contractor be responsible for indirect, incidental or consequential damages. The Contractor also is not responsible for the rendering of or failure to render architectural, engineering or surveying professional services.
- IV. Preexisting Conditions: The Contractor will not be responsible for liability, loss or expense where the primary cause of the claim or damage is pre existing conditions including unsound concrete, faulty, inadequate or defective design, construction, maintenance or repair of property or contamination of the subsurface where the condition existed prior to the start of the Contractor's work. Customers are responsible for loss of service caused by the preexisting conditions at the jobsite.

be responsible for any additional costs or claims associated with any permitting, treatment, transport, storage or disposal of the removed debris, regardless if it is hazardous or non-hazardous.

VI. Indemnification: The Customer and Contractor will each indemnify the other for liability, loss and expense incurred by the other party resulting from a negligent act or omission in performance of work under this Agreement, or any breach of any provision of this Agreement. If both parties are jointly at fault, each will indemnify the other in proportion to their relative fault. The Customer will also indemnify Contractor for liability, loss and expense resulting from Contractor's services if the Contractor is acting at the direction or instruction of the Customer, or where the primary cause of any damages is due to information provided by the Customer, or for any environmental condition that arises as a result of the performance of the work under this Agreement. In the event of any litigation arising from or related to this Agreement, the prevailing party shall be entitled to recover from the non-prevailing party all reasonable attorneys' fees and costs incurred in such litigation.

VII. Entire Agreement: This proposal together with any written documents, which may be incorporated by specific reference herein, constitutes the entire agreement between the parties and supersedes all previous communications between them, either oral or written. The waiver by contractor of any term, condition or provision herein stated shall not be construed to be a waiver of any other term, condition or provision hereof.

**By signing this proposal, you give Savy & Sons permission to feature this project anonymously on our website and advertising platforms as an informational awareness case study to help others.**

**By signing this proposal you are agreeing that our attached presented Certificate of Insurance meets your companies requirements and are accepted. Any added items to our Certificate of Insurance may be subject to a price change**

Please sign and return via e-mail or fax before start of project.  
Thank you for your consideration.

Signature Date

COMPANY NAME  
Ledyard Historic District Commission  
.....  
PRINTED NAME  
William Barns  
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