



CITY OF MANITOWOC

WISCONSIN, USA

www.manitowoc.org

MEMO

TO: Public Infrastructure Committee

FROM: Greg Minikel, PE, Engineering Division Manager

DATE: July 31, 2023

RE: Request for Re-Lining Storm Sewer at N. 5th & Pine St.

Members of the Public Infrastructure Committee:

This issue came to light a few years ago when there was severe flooding at N. 5th and Pine St. and was part of the recent flood study that was completed by Strand Associates. There is an existing 12-inch CMP storm sewer pipe that runs from the manhole near the pedestrian way (between N. 5th St. and Shorewood Blvd./Fenway Terr.) and it picks-up or catches stormwater from the low area north of this property. The existing storm sewer runs under a portion of the attached garage and the home at 955 N. 5th St. The existing sewer was apparently approved by the City in the early 1970's as part of the subdivision development. It is on our mapping system and the City has been maintaining this storm sewer since its installation.

We have televised the pipe on two separate occasions in the past few years. There is a dip in the pipe where the camera is underwater. That is why we televised it twice. The 2nd time we attempted to draw down the water to get a better video. It was better, but some portions of the pipe were still under water. Anyway, it appears that the pipe is in fair condition. That being said, we know that CMP will eventually deteriorate and rust out. Since, the pipe runs under the garage and home, we feel it is in the best interest of the City, the property owner, and a good insurance policy to assure that this pipe remains in a good condition so that it does not undermine the structure.

The current property owner, Joe Euclide, has been very cooperative and may participate in a cost share with the City for the re-lining. He may be willing to contribute \$2,500 to \$5,000 to make sure that something is done to remedy this situation.

He is also willing to grant a new easement to install a new storm sewer pipe that would not be under the structures. I would agree that this would be the best long term solution, however, I believe that the cost to install a new pipe would be significantly more than the re-lining cost. Another challenge with relocating the pipe is that there is not a lot of working room in this area to install a new storm sewer pipe. A pipe could be directionally bored and that would increase the cost as well.

The cost to re-line this pipe is about \$25,000 per quotes we received from Visu-Sewer.

We have included this project in the 2024 Capital Budget for CAWG to rate and rank.

Another alternative could be to take this project to CAWG now for an unbudgeted request in order to try to complete the work yet in 2023 if the Committee feels that this is an immediate priority.

Either way, we would recommend the PI Committee to approve the request for the City to re-line the existing storm sewer culvert pipe.



Proposal

To: Greg Minikel
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220
920-686-6910

From: Drew Setzer
Visu-Sewer, Inc.
W230 N4855 Betker Dr.
Pewaukee, WI 53072
262-695-2340

Date: 9/1/2020

Project: 2020 Storm Sewer CIPP Installation
5th St. Easement, Manitowoc, WI

Visu-Sewer is pleased to provide the following quotation for CIPP installation:

Install approx. 84 L.F. of 12" National Liner @ Lump Sum **\$ 23,940.00**

The above listed price is based on partial video inspection and a site visit. Pricing assumes the current condition of the host pipe is suitable for CIPP installation. Pricing includes:

- Labor, material, and equipment
- Mobilization and traffic control (cones and signs)
- Light cleaning, root cutting, and televising of sewers prior to installation of liner
- Installation of a fully structural CIPP liner with styrene free resin
- Installation of National Liner per manufacturer's instructions, ASTM 1216
- Televising of sewers after installation of liner

The City of Manitowoc will need to provide equipment access to all manholes, water from nearby hydrants (without charge), a dump site for any captured debris, any traffic/pedestrian control required beyond cones & signs, and the removal of the wooden fence at the downstream MH. If needed, grouting of active leaks and/or heavy cleaning will be quoted separately. Visu-Sewer will take all precautions possible but will not be held responsible for landscaping or restoration. Thank you for the opportunity to quote on this project. Please do not hesitate to call us at 262-695-2340 if you have 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 is authorized to do the work as specified.

Date: _____ Signature: _____

Greg Minikel

From: Hoffart, Curt <CurtH@visu-sewer.com>
Sent: Friday, June 16, 2023 3:16 PM
To: Greg Minikel; Brad Busse; Solchenberger, Arron
Cc: Matt Smits
Subject: RE: External: RE: Costs

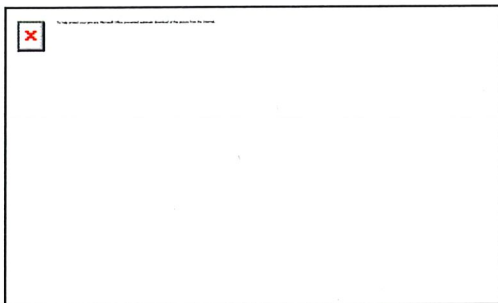
Follow Up Flag: Follow up
Flag Status: Flagged

Greg,

After another look at the video from April, we can honor the quote dated 9/1/20 (\$23,940/LS). The previously documented qualifications apply, notably that the city would be responsible for removal/replacement of the wood fence adjacent to the downstream (inversion) manhole. Additionally, landscaping or turf restoration is not included; however, if things go well, not much is expected. We would plan to use non-styrenated resin to minimize odor impacts. My understanding is the homeowner is quite cooperative so the plan would be we to coordinate ventilation efforts and their possible absence during the work in advance.

Please let me know if you have any questions.

Thanks,
Curt



From: Greg Minikel <gminikel@manitowoc.org>
Sent: Friday, June 16, 2023 9:36 AM
To: Hoffart, Curt <CurtH@visu-sewer.com>; Brad Busse <bbusse@manitowoc.org>; Solchenberger, Arron <ArronS@visu-sewer.com>
Cc: Matt Smits <msmits@manitowoc.org>
Subject: RE: External: RE: Costs

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Curt,

I do not remember our entire conversation either, you indicated the cost would probably not change much from the one you gave us a few years ago.

However, I would like to get an official updated cost to reline this storm sewer at 955 N. 5th St. I will need this in order to move forward with any type of budget request whether it is for this year or next.

If it is over \$25,000 then I would probably have to put it into a bid project next year.

I also need to figure out how we will pay for this.

From: Hoffart, Curt <CurtH@visu-sewer.com>
Sent: Friday, June 16, 2023 8:20 AM
To: Brad Busse <bbusse@manitowoc.org>; Solchenberger, Arron <ArronS@visu-sewer.com>
Cc: Greg Minikel <gminikel@manitowoc.org>; Matt Smits <m-smits@manitowoc.org>
Subject: External: RE: Costs

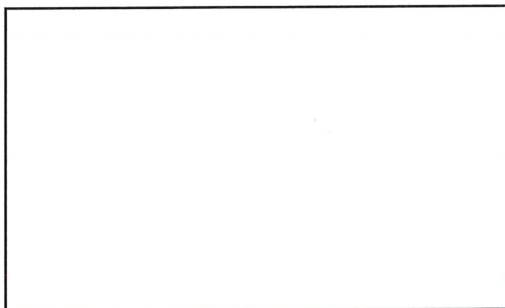
Brad,

My understanding is the City was going to review the new video and make a decision on what to do with the storm line. My memory is not good, but I don't recall a decision being made to move forward with the lining. If that is what you would like to do, we will take another look at the pricing.

Regarding the lateral inspection and possible grout in line 11-36 to 11-35 on S 30th St, we are having a difficult time coming up with availability to get a crew there to televise the lateral. As much as I hate to say it, it might be worth contacting Great Lakes to see if they have availability.

Please give me a call to discuss if you'd like.

Thanks,
Curt



From: Brad Busse <bbusse@manitowoc.org>
Sent: Thursday, June 15, 2023 2:42 PM
To: Hoffart, Curt <CurtH@visu-sewer.com>; Solchenberger, Arron <ArronS@visu-sewer.com>
Cc: Greg Minikel <gminikel@manitowoc.org>; Matt Smits <m-smits@manitowoc.org>
Subject: Costs

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Curt/Arron,

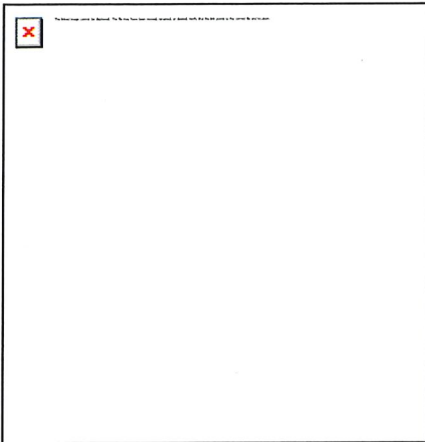
Have you guys ever come up with a price to re-line that extra storm line we had you TV & clean?

Also need a price for the lateral camera inspection and possible grouting on the lateral on S. 30th

Thanks!

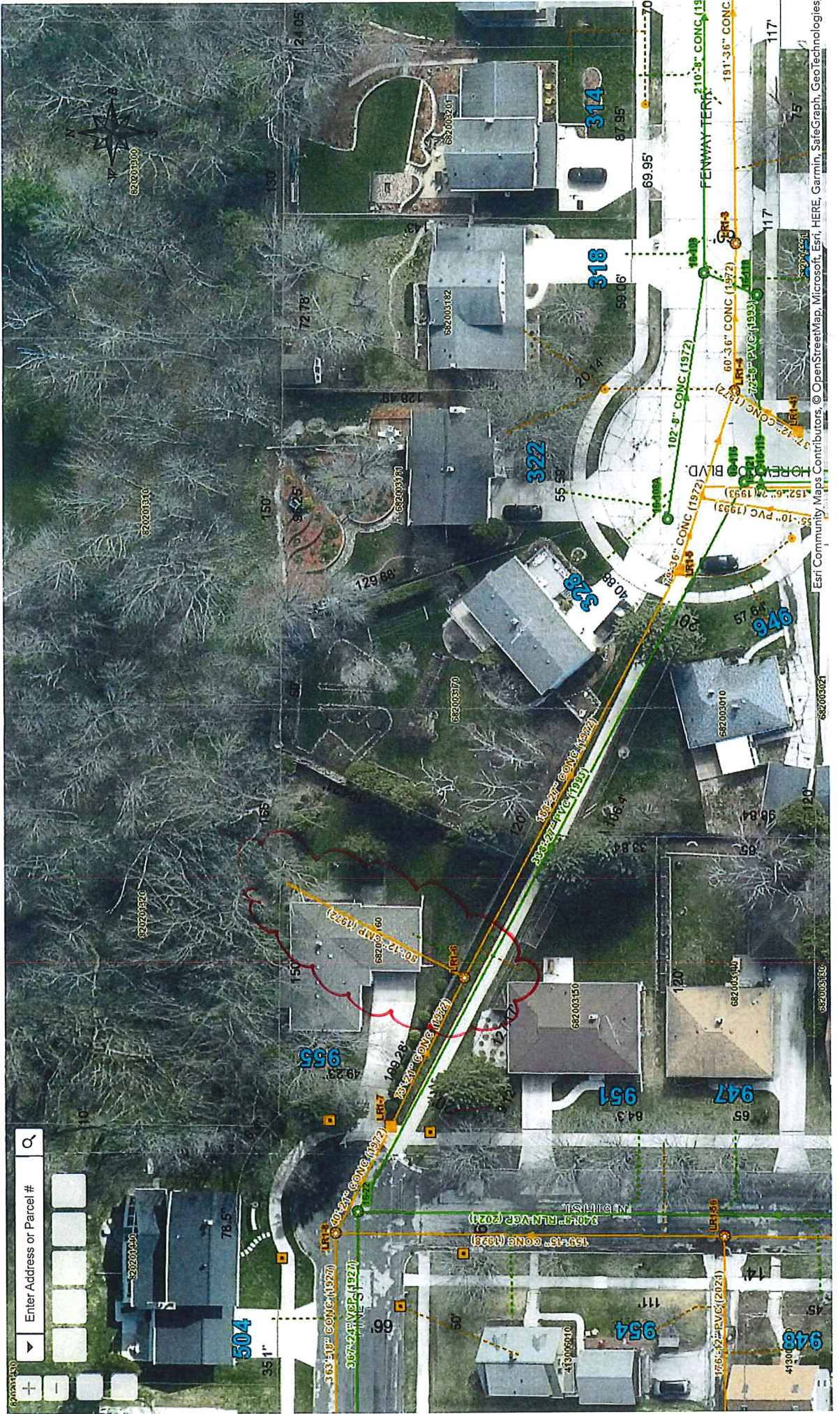
Have a great Day!

Brad Busse
Engineering/Stormwater Technician
Department of Public Infrastructure
City of Manitowoc
Phone: (920) 686-6913
Email: bbusse@manitowoc.org



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