

COUNCIL ACTION FORM

SUBJECT: FY 2019/20 SANITARY SEWER REHABILITATION (MUNN WOODS)

BACKGROUND:

This is the annual program for rehabilitation/reconstruction of deficient sanitary sewers and deteriorated manholes at various locations throughout the city. The goal of this program is to identify and remove major sources of inflow/infiltration as a means of lowering the peak wet weather flow at the treatment plant. Work typically includes rehabilitation such as the lining of existing mains or spray lining of existing structures, as well as complete removal and replacement of structures and sanitary sewer mains.

This project is in the Munn Woods and Emma McCarthy Lee Park area. Work will utilize a variety of rehabilitation techniques, including sewer lining, sewer replacement, manhole and structure rehab/replacement. **The project will also involve the construction of a new trail / maintenance access through the lower park area. This will serve as a greenbelt trail and will also occasionally be used by City crews to maintain the sanitary sewer in the future.**

WHKS and City Staff held two project informational meetings (July 26, 2018 and November 8, 2018) with area property owners, residents and concerned citizens. One-on-one discussions were conducted with some of the property owners that are directly impacted by the project. The comments received from these meetings were addressed and incorporated into the project design.

On September 24, 2019, a single bid for the project was received as follows:

<i>Bidder</i>	<i>Amount</i>
<i>Engineer's estimate</i>	<i>\$1,200,000.00</i>
<i>Visu-Sewer, Inc.</i>	<i>\$2,190,212.40</i>

City staff contacted potential bidders to understand why additional bids were not received. The information obtained indicated that the project location is difficult to access, and therefore it is challenging to anticipate the actual costs to perform the work described in the scope of services. After evaluating the bid received, staff recommends proceeding with award to remove significant inflow/infiltration entering the sanitary sewer system and regain capacity within the system. Overall, there is sufficient funding from the 2018/19 and 2019/20 Sanitary Sewer Rehabilitation Program budgets to award this contract along with the Siphon rehabilitation project. Additional sanitary sewer rehabilitation projects will

continue next fiscal year, as prioritized considering capacity and critical infrastructure.

Revenues and expenses associated with this program are estimated as follows:

	Available Revenue	Estimated Expenses
State Revolving Fund (2018/19)	\$3,570,000	
State Revolving Funds (2019/20)	\$3,684,000	
2018/19 Sanitary Sewer Rehab (Wilson & 15 th) (Awarded)		\$2,663,751.50
2018/19 Sanitary Sewer Rehab (Siphons)		\$1,440,778.00
2019/20 Sanitary Sewer Rehab (Munn Woods) (this project)		\$2,190,212.40
Engineering/Administration (Est.)		\$ 959,000.00
	\$7,254,000	\$7,253,741.90

ALTERNATIVES:

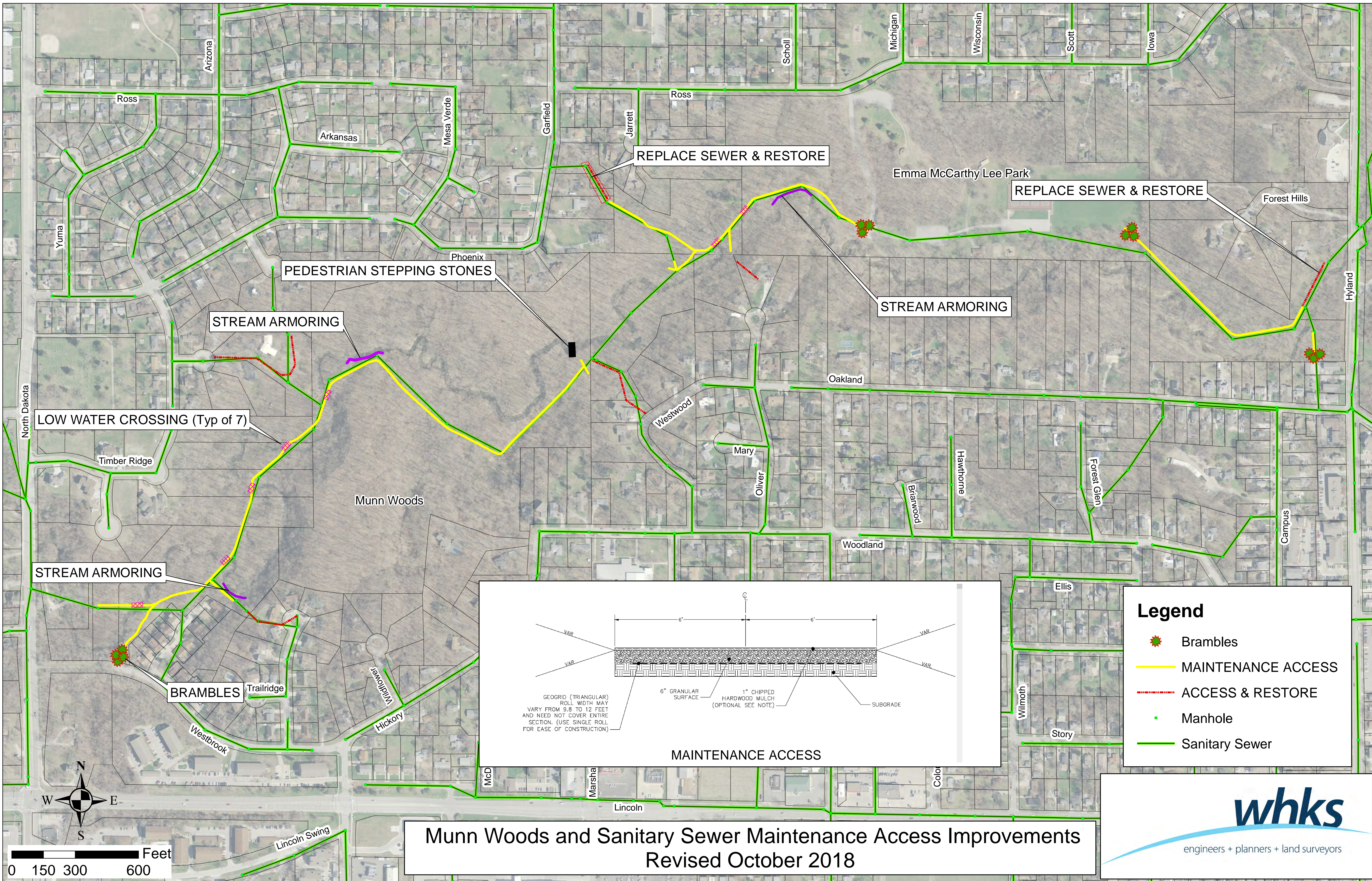
1. a. Approve the final plans and specifications for this project.
- b. Award the 2019/20 Sanitary Sewer Rehabilitation (Munn Woods) project to Visu – Sewer, Inc. of Pewaukee, Wisconsin in the amount of \$2,190,212.40.
2. Do not proceed with this project.

CITY MANAGER'S RECOMMENDED ACTION:

By approving final plans and specifications and awarding the contract, this project represents City Council's commitment to improve the sanitary sewer system. This is the fourth of several large projects that will have an immediate impact by removing Inflow & Infiltration to regain valuable capacity in the City's existing sanitary sewer mains.

Significant outreach has been completed leading up to this bid letting to obtain public feedback. This input highlighted the neighbors' desire to move forward with construction in a timely manner. During the multi-year Sanitary Sewer System Evaluation, crews were not able to completely analyze the condition of the sewer system in this area due to roots within the pipe while being conscious of the sensitive environmental nature of the area. The very difficult conditions for access and the relatively unknown existing conditions justifiably led to the higher bid prices. This project is in an area of high inflow and infiltration. Awarding the contract enables the sewer system to be rehabilitated as soon as possible to maximize the amount of clean water being kept out of the sewer system and sewer flow kept within the pipe network.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as noted above.



REPLACE SEWER & RESTORE

REPLACE SEWER & RESTORE

PEDESTRIAN STEPPING STONES

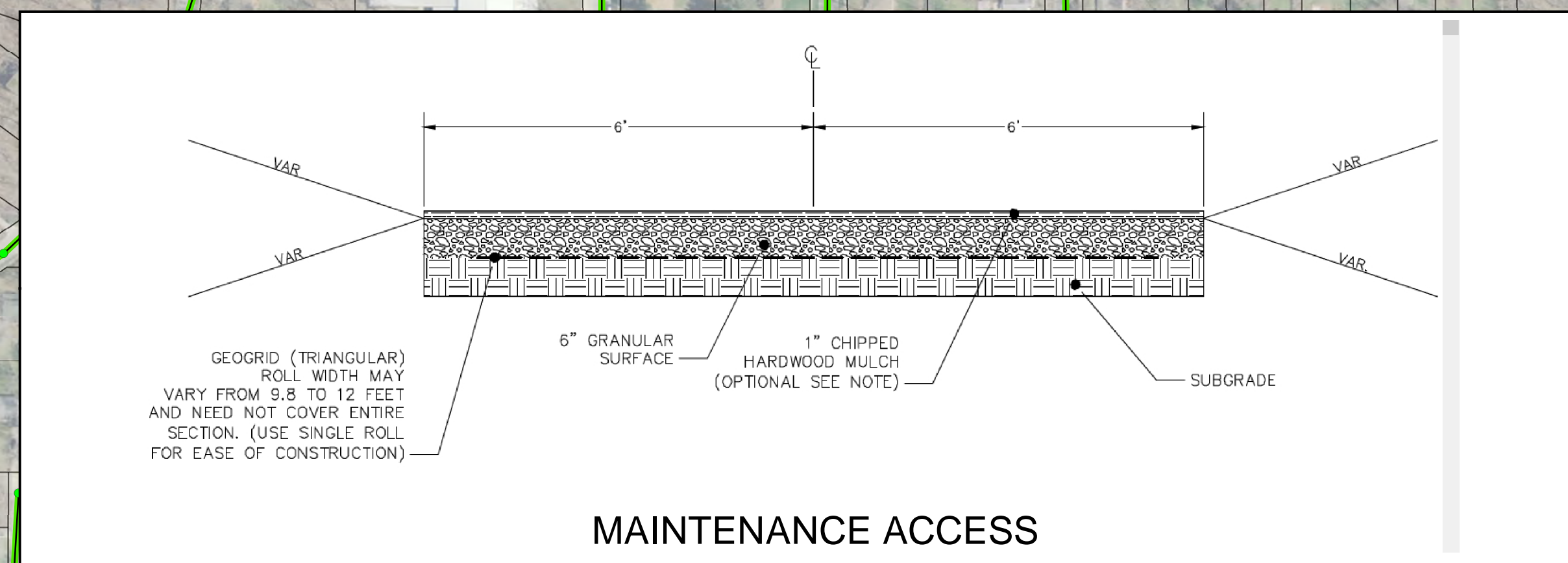
STREAM ARMORING

STREAM ARMORING

LOW WATER CROSSING (Typ of 7)

STREAM ARMORING

BRAMBLES



Legend

- Brambles
- MAINTENANCE ACCESS
- ACCESS & RESTORE
- Manhole
- Sanitary Sewer

Munn Woods and Sanitary Sewer Maintenance Access Improvements
 Revised October 2018

