

COUNCIL ACTION FORM

SUBJECT: 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 to regain pipe capacity and lower the wet weather flow at the treatment plant. The program typically includes rehabilitation work 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.

The 2019/20Capital Improvement Plan (CIP) shows funding of \$3,684,000 from the Iowa DNR (IDNR) State Revolving Fund (SRF) and \$250,000 from the Sewer Utility Fund. Repayment of the SRF loans will be from Sewer Fund revenues.

On August 23, 2016, City Council approved the engineering services agreement with WHKS & Company of Ames, Iowa to complete project design. **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 proposed 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 infrequently be used by the City of Ames maintenance crews to maintain the sanitary sewer in the future.**

WHKS and City of Ames 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 being impacted by the project. The comments received from these meetings were addressed and incorporated into the project design.

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

	Available Revenue	Estimated Expenses
	\$ 3,684,000	
State Revolving Fund	\$ 250,000	
Sewer Utility Fund		
2019/20 Sanitary Sewer Rehab (Munn Woods) (Engineer's Est)		\$ 1,200,000
Construction (future projects)		\$ 1,900,000
Engineering/Administration (Est.)		\$ 684,000
	\$ 3,934,000	\$ 3,784,000

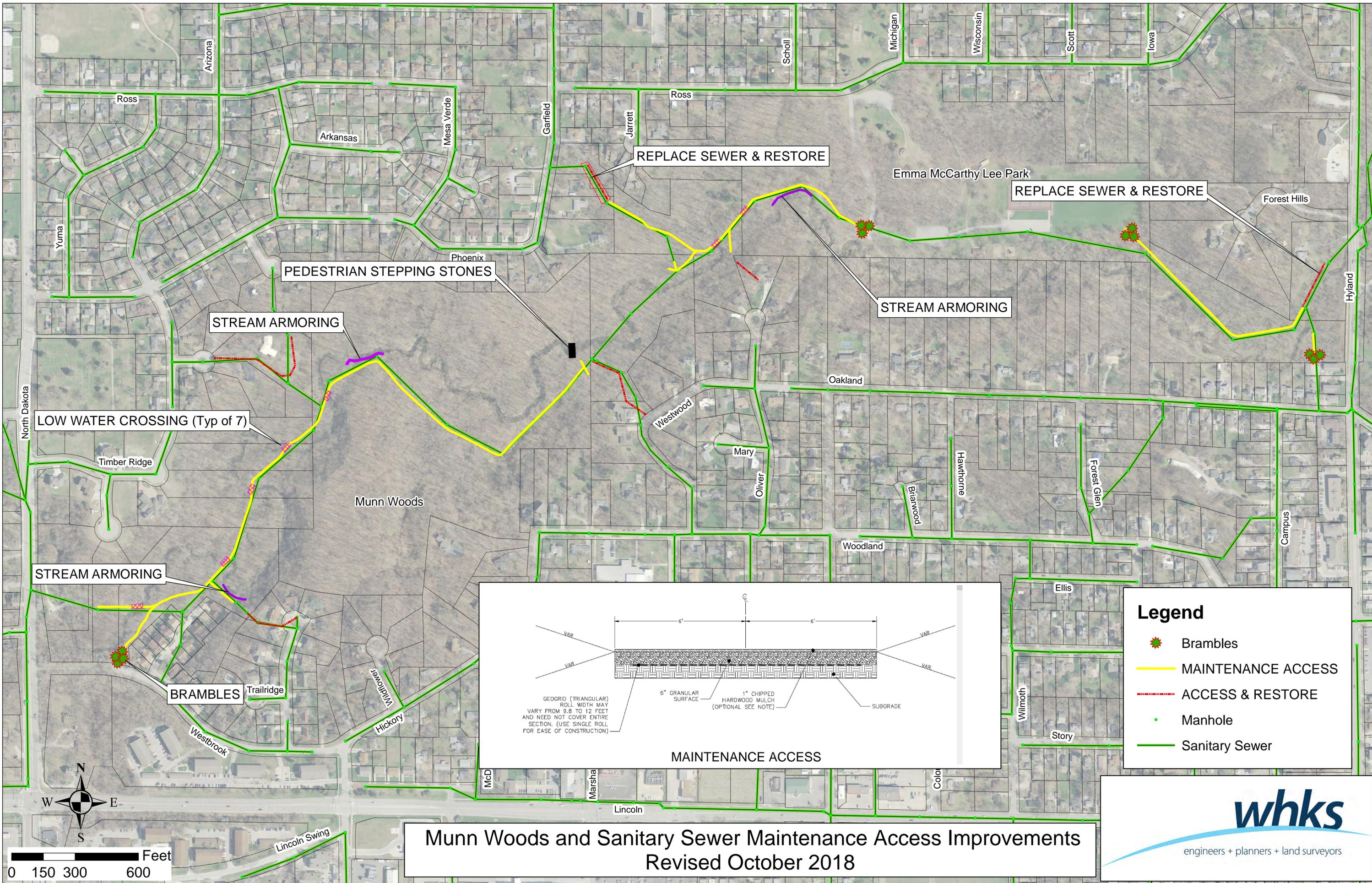
ALTERNATIVES:

1. Approve the 2019/20 Sanitary Sewer Rehabilitation (Munn Woods) by establishing September 18, 2019, as the date of letting and September 24, 2019, as the date for report of bids.
2. Direct staff to revise the project.

MANAGER'S RECOMMENDED ACTION:

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.

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

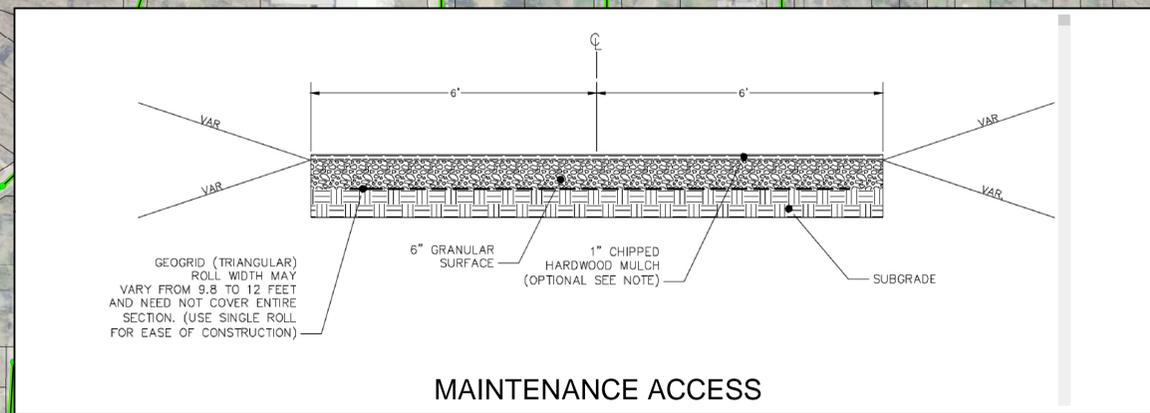
STREAM ARMORING

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

