



MEMORANDUM

DATE: October 15, 2021

TO: Dan Duchniak, P.E.

FROM: Chris Walter, P.E.

RE: Coldwater to Shagbark Bid Approval

This project is a water main and sanitary sewer extension that is located on Coldwater Creek Drive, just west of Meadowbrook Road, and will extend west to Shagbark Trail and Woodland Hills Drive. This is part of a new development, however the water main extension is the primary driver for this project. The extension is needed prior to the Lake Michigan water transition to reduce the water age of the Oakmont and Pebble Valley pressure zones. Longer water age contributes to decreased water quality. With the post Great Lakes water transition to chloramines, for distribution system disinfection, from chlorine, which is currently used, water quality concerns would require intermittent flushing of water in the area at a minimum. This new water main installation would alleviate those concerns.

Once complete, the main will also connect two pressure zones, creating one larger zone. This will allow us to stop running one of our booster stations 24/7, saving approximately \$4,000 per year. It will also increase the fire flows to some of our customers due to the water tower on Meadowbrook now controlling the water service to that area.

Due to this vested interest, the Water Utility is funding the water main work, plus a portion of the required grading work. The developer is paying for the remainder of the work, including all sanitary sewer work, erosion control and a portion of the grading. Although a roadway will be constructed over this corridor in the future, no pavement is included with this contract and will be installed by the developer in the future. Waukesha Water Utility is facilitating the public bidding of this project. Bids will be publicly opened at 10 am on October 21, 2021. An updated memo with the bid summary will be provided at the Commission meeting.

The project includes 1,800 feet of 12-inch water main and 950 feet of 8-inch sanitary sewer.

The project schedule is as follows:

- Project Bid: October 21, 2021 at 10:00 a.m.
- Water Commission action: October 21, 2021
- Board of Public Works: October 21, 2021
- Project Award by Common Council: November 2, 2021



Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

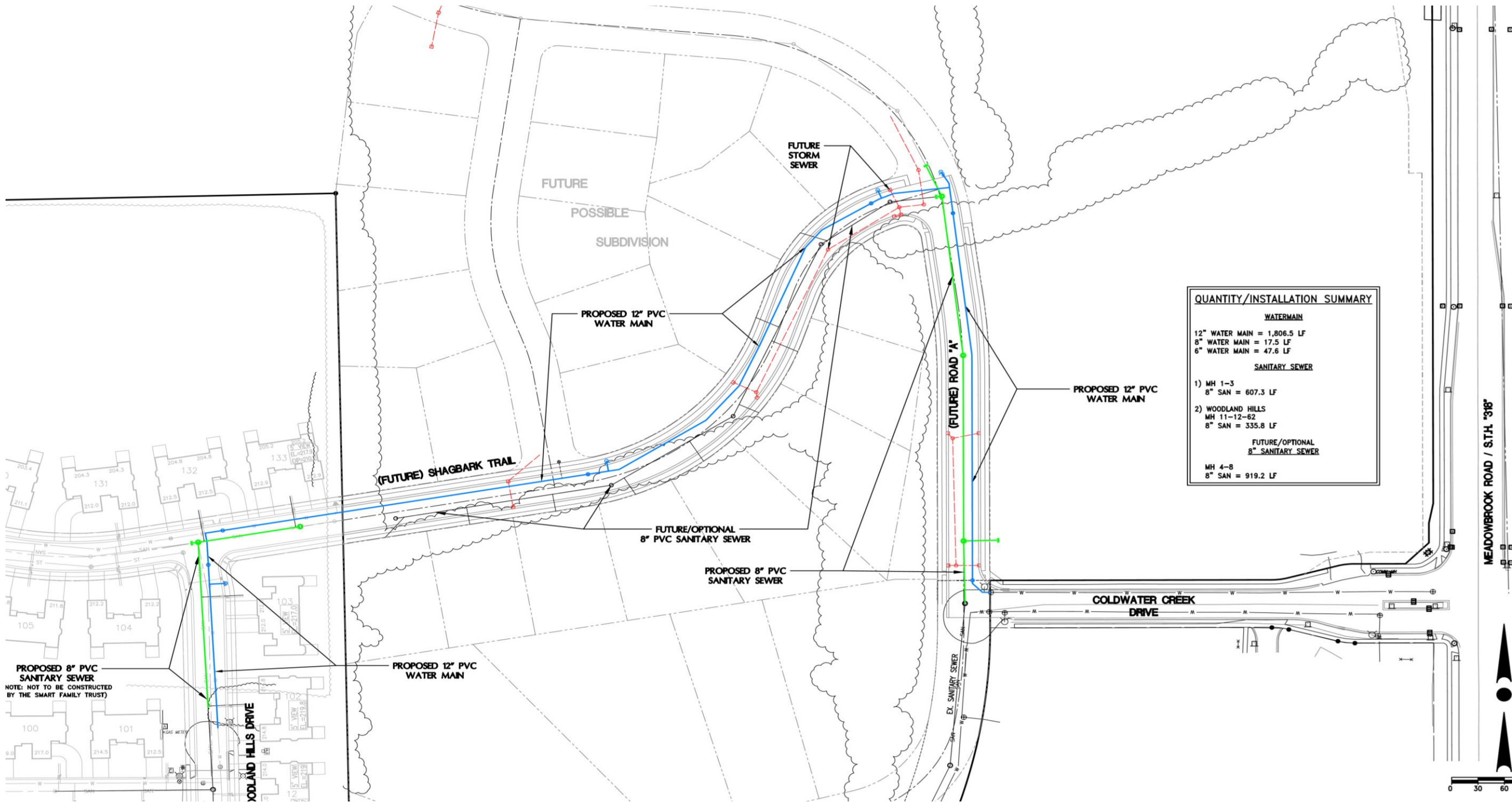
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WAUKESHA, WI 53188-3615



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This project was approved as part of the 2021 budget in account 3431. The recommended motion is to approve the full contract amount and the developer will reimburse the Utility for their agreed upon cost share of the contract.

Recommended Motion: Approve the Coldwater Creek to Shagbark water and sewer extension unit price contract.



QUANTITY/INSTALLATION SUMMARY	
WATERMAIN	
12" WATER MAIN	= 1,806.5 LF
8" WATER MAIN	= 17.5 LF
6" WATER MAIN	= 47.6 LF
SANITARY SEWER	
1) MH 1-3	
8" SAN	= 607.3 LF
2) WOODLAND HILLS	
MH 11-12-62	
8" SAN	= 335.8 LF
FUTURE/OPTIONAL	
8" SANITARY SEWER	
MH 4-8	
8" SAN	= 919.2 LF

