



CITY OF NOVI CITY COUNCIL
MAY 8, 2023

SUBJECT: Consideration of approval to authorize additional design services to Spalding DeDecker for the next three phases of water main replacement in the City's water distribution system, in the amount of \$280,790.76.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 247,745.07 AC Water Main Replacement <u>\$ 33,045.69 Roethel Dr Water Main Replacement</u> \$ 280,790.76 TOTAL
AMOUNT BUDGETED	\$ 704,375.00 AC Water Main Replacement <u>\$ 83,723.00 Roethel Dr Water Main Replacement</u> \$ 788,098.00 TOTAL
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	592-536.00-976.005 AC Water Main Replacement 592-536.00-976.124 Roethel Dr Water Main Replacement

BACKGROUND INFORMATION:

The City's 2017 Water Asset Management Plan and the 2021 Water System Master Plan recommended replacement of the approximately 30 miles of Asbestos-Cement (AC) water main that exists throughout the city, as well as replacement of specific locations with ductile iron pipe, such as Roethel Drive. The City's engineering consultant, Spalding DeDecker, completed design of the initial phase of the program in 2022, which is currently under construction, and they are now working on the design for the next three phases, which are as follows:

- Phase 2 (2023) – 9 Mile Rd, from Novi Rd to Meadowbrook Rd and Roethel Drive
- Phase 3 (2024) – 9 Mile Rd, from Meadowbrook Rd to Haggerty Rd
- Phase 4 (2025) – Meadowbrook Road, from 9 Mile Rd to Chattman Dr and Penton Rise Ct and Glyme Dr in the Meadowbrook Lake subdivision

The attached Authorization for Additional Services outlines the increased scope of services, which is primarily the result of separating the project into three phases. The additional design fee to complete design on all three phases totals \$280,790.76 based on the increased construction cost estimates. Spalding DeDecker's engineering fees are based on the fixed fee schedule established in the Agreement for Professional Engineering Services for Public Projects. The table below shows the original estimated costs along with the current estimated costs and their associated design fees:

*Design fee @ 6.25%	Original construction estimates from proposal	Revised construction estimates after split	Current Design Purchase Order	Additional Design Funds Requested
2023 – Phase 2	\$1,750,000	\$3,708,259	\$109,375.00	\$122,391.19
2023 – Phase 2 (Roethel Dr)	\$645,000	\$1,173,731	\$40,312.50	\$33,045.69
2024 – Phase 3	\$1,750,000	\$2,365,350	\$109,375.00	\$38,459.38
2025 – Phase 4	\$2,100,000	\$3,490,312	\$131,250.00	\$86,894.50
TOTAL	\$6,245,000	\$10,737,652	\$390,312.50	\$280,790.76

RECOMMENDED ACTION: Approval to authorize additional engineering design services to Spalding DeDecker for the next three phases of water main replacement in the City's water distribution system, in the amount of \$280,790.76.