



CITY OF NOVI CITY COUNCIL
JUNE 26, 2023

SUBJECT: Consideration of approval of Change Order No. 1 to LGC Global Inc. for the Novi Road/13 Mile Road PCCP Water Main Repair project in the amount of \$123,919.21.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 123,919.21
AMOUNT BUDGETED	\$ 1,475,380.00
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	592-536.00-976.112

BACKGROUND INFORMATION:

In 2019, staff inspected a portion of the City's 36-inch prestressed concrete cylinder pipe (PCCP) water transmission main using the Pipe Diver inspection tool. The Pipe Diver (a robotic data collection device inserted into the water main) identified and ranked structural deficiencies in four pipe segments. The PCCP pipe material fails catastrophically like the 2017 Great Lakes Water Authority (GLWA) pipe failure on 14 Mile Road and would significantly affect the water supply to most of the City.

It was determined that the Carbon Fiber Reinforced Polymer (CFRP) lining would be the best option for the repair, which was awarded by City Council on March 6, 2023, to LGC Global. Following that award, staff saw the opportunity for an additional improvement involving the installation of approximately 100 feet of water main across 13 Mile, just east of Novi Road. This connection would provide additional redundancy in this area of the water system and would avoid the need to shut off the water service to residents in the area for this repair, as well as for future repairs. LGC Global has agreed to complete this water main segment per the enclosed proposal.

This work is expected to be completed this fall since this project involves the 36-inch transmission main, which is the primary source of water for a large portion of the City and cannot be shut down during the high-demand irrigation summer season.

RECOMMENDED ACTION: Approval of Change Order No. 1 to LGC Global Inc. for the Novi Road/13 Mile Road PCCP Water Main Repair project in the amount of \$123,919.21.