



CITY OF NOVI CITY COUNCIL
JULY 10, 2023

SUBJECT: Approval to award engineering services to Spalding DeDecker to evaluate the City's existing surveying benchmarks in the amount of \$27,500.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 13,750 General Fund <u>\$ 13,750 Water & Sewer Fund</u> \$ 27,500 Total
AMOUNT BUDGETED	\$ 26,900 General Fund <u>\$ 26,900 Water & Sewer Fund</u> \$ 58,800 Total
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	101-441.10-816.059 592-536.00-816.059

BACKGROUND INFORMATION:

Novi has a vertical land survey benchmark system that was established in the late 1980s and includes approximately 400 benchmarks set along main roadways, generally following the section lines. Benchmarks can be any fixed object such as a point marked on a manhole rim, hydrant arrows, and utility pole bench ties. The benchmark system is important in site development and construction projects as it provides vertical reference data critical to establishing building floor elevations, utility invert elevations, and floodplain elevations. Over time some of the benchmarks may be moved or damaged due to utility pole, hydrant or manhole adjustments, removals or relocations. The City benchmark system was last evaluated and updated in 2009.

City engineering consultant, Spalding DeDecker, prepared a proposal for updating the City's benchmarks, which includes two phases:

- Phase 1 – confirm status of existing benchmarks, \$27,500 lump sum fee

- Phase 2 – replace/reset damaged or missing benchmarks, fee to be determined depending on the amount of replacement benchmarks needed

The attached design engineering services proposal outlines the detailed scope of services. Work would begin upon approval with completion expected within a year.

RECOMMENDED ACTION: Approval to award engineering services to Spalding DeDecker to evaluate the City's existing surveying benchmarks in the amount of \$27,500.