



Legislation Text

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Resolution Approving a Contract for \$1,119,300 with CDM Smith, Inc. for Professional Services for the Mitchell Water Treatment Plant (WTP) Phase 1 Residual Improvements Backwash Wastewater Treatment Improvements and Sedimentation Sludge Collection System Project

Department: Water Resources
Council District: 3

Public Hearing: N/A
Advertising Date/By: N/A

Contact 1 and Phone: Steven D. Drew, 336-373-7893
Contact 2 and Phone: Kristine Williams, 336-373-2656

PURPOSE:

The City of Greensboro Water Resources Department is requesting to enter into a professional services contract with CDM Smith, Inc. to provide design services for Mitchell WTP Phase 1 Residual Improvements Backwash Wastewater Treatment Improvements and Sedimentation Sludge Collection System project

BACKGROUND:

The Mitchell WTP wastewater infrastructure system has presented operational challenges throughout the years. Current hydraulic capability does not support filter backwash cycles due to equipment and hydraulic grade limitations. Modifications are also needed to address a reverse slope pipe segment that carry the Mitchell WTP discharge flows. Finally, the sludge collection system needs improvement. Evaluations of more productive means to transfer the wastewater analyzed gravity and/or pumping improvements to increase reliability and reduce operational workload. A project targeted at improving this infrastructure at the Mitchell WTP is proposed. The Mitchell WTP Phase 1 Residual Improvements Backwash Wastewater Treatment Improvements and Sedimentation Sludge Collection System project includes improvements to the Mitchell WTP filter backwash wastewater treatment system, the addition of a process drain pump station, and the replacement of the sedimentation sludge collection system. Work under this contract consists of project management and administration, design, permitting, bidding and additional services related with the design of the project.

The professional services of CDM Smith, are recommended for this project based on their knowledge and design experience with similar projects and with the Mitchell WTP's wastewater system. CDM Smith, Inc. is one of the ten firms selected for the Professional Services Water Resource On-call. The design team for the overall contract also includes JC Waller and Associates, P.C. and Crittek Engineering Group, P.C. JC Waller and Associates P.C. will provide surveying services, engineering and professional services. Crittek will perform drafting and permitting for the project. Both firms are Minority Business Enterprise firms within the ten county MSA and part of the CDM's on-call services team. The anticipated MBE utilization for this design services contract is 14.1% of the total contract amount.

BUDGET IMPACT:

Funding is budgeted in Water Resources Capital Improvements Fund account 503-7028-04.5410 in the amount of \$1,119,300. A budget adjustment is needed to use this account.

RECOMMENDATION / ACTION REQUESTED:

The Water Resources Department recommends City Council approve the professional services contract with CDM Smith, Inc. in the amount of \$1,119,300 and associated budget adjustment