



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Procurement
ACM: Cassey Ogden
DATE: April 22, 2024

SUBJECT

Consider recommending adoption of an ordinance of the City of Denton, a Texas home-rule municipal corporation, authorizing the City Manager to execute a Professional Services Agreement with Westwood Professional Services, Inc., for field survey and engineering analysis of dams and ponds for the Engineering and Drainage Department as set forth in the contract; providing for the expenditure of funds therefor; and providing an effective date (RFQ 7599-015 – Professional Services Agreement for analysis services awarded to Westwood Professional Services, Inc., in the not-to-exceed amount of \$396,152.00).

STRATEGIC ALIGNMENT

This action supports Key Focus Area: Support Healthy and Safe Communities.

INFORMATION/BACKGROUND

As stormwater flows overland and downstream it picks up and carries sand and clay particles. When this flow reaches larger bodies of water much of this particulate matter settles out and is deposited at the bottom of ponds and lakes. Over time the build-up of these particulates can be significant and result in ponds becoming much shallower. This can lead to several negative outcomes including the growth of unwanted and unsightly vegetation, higher levels of mosquito breeding, and an increase in flood risk if the pond is intended to detain a certain volume of water.

The purpose of this study is to measure the amount of sediment deposited in several City-owned ponds since they were constructed. Below are the six ponds included in this contract.

- North Lakes Dam 16 constructed in 1975
- North Lakes Dam 17a constructed in 1975
- South Lakes Park Dam 3 constructed in 1996
- South Lakes Park Dam 2 constructed in 1995
- Montecito Park Pond constructed in 1999
- Sundown Ranch Pond constructed in 2012.

If significant sedimentation has occurred, the consultant will make a recommendation on where a sediment removal project is needed for the pond to function as intended. If a sediment removal project is recommended, the consultant will also provide a conceptual design and feasibility study report with recommendations on methods of sediment removal and planning level cost estimates for the removal process, an environmental permitting assessment to determine the permitting needs of the project, and

sediment sampling and testing to determine if toxic pollutants are present in the sediment which could impact disposal methods.

It is possible that one or more of the ponds included in this study may not require a sediment removal project, in which case after the initial survey and analysis the cost of the feasibility study report, conceptual design, environmental permitting assessment, and sediment sampling would not be incurred. This means that the cost of the study could be significantly less than the full contract value of \$396,152. This is why the current funding allocation is \$250,000. If additional funding is required to complete the study, the Drainage Department can contribute additional funds from the Stream Maintenance fund in this or the next fiscal year.

The North Lakes & South Lakes dams will be prioritized in this study as they serve a significant flood control function. Pending the results and budget expenditure of the study on these larger ponds, the analysis may be performed on the two smaller ponds (Montecito Park Pond & Sundown Ranch Pond) in FY23-24 or FY 24-25.

A survey to measure the level of sedimentation has not been performed for any of these ponds since their construction. Performing this analysis now will help identify future needs and allow departments to prioritize and budget for any sediment removal projects.

	FY 23-24	FY 24-25	Total
North Lakes Dams	\$141,908		\$141,908
South Lakes Dams	113,968		113,968
Montecito Park Pond		\$68,638	68,638
Sundown Ranch Pond		71,638	71,638
Total	\$255,876	\$140,276	\$396,152

Request for Qualifications for professional engineering services was solicited using the City's formal solicitation process. City Council approved a pre-qualified list of engineering firms on May 18, 2021 (Ordinance 21-894).

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On May 18, 2021, City Council approved RFQ 7599 for a prequalified list of professional engineering firms (Ordinance 21-894).

RECOMMENDATION

Award a contract with Westwood Professional Services, Inc., for pond sediment removal assessment for the Engineering and Drainage Department, in a not-to-exceed amount of \$396,152.

PRINCIPAL PLACE OF BUSINESS

Westwood Professional Services, Inc.
Fort Worth, TX

ESTIMATED SCHEDULE OF PROJECT

This project will be started upon approval with a completion date by April 2025.

FISCAL INFORMATION

These services will be funded from account 655048561.1360.10100. Requisition #163608 has been entered into the Purchasing software system in the amount of \$250,000. The budgeted amount for this item is \$396,152.

EXHIBITS

Exhibit 1: Agenda Information Sheet

Exhibit 2: Ordinance and Contract

Respectfully submitted:
Lori Hewell, 940-349-7100
Purchasing Manager

For information concerning this acquisition, contact: Michael Linder, 940-349-8942.

Legal point of contact: Marcella Lunn at 940-349-8333.