

STAFF REPORT

Date: April 23, 2025

To: Mayor and City Council

Through: Jackie Bryant, City Manager

Subject: Staff Report (For Possible Action): Approval of Consulting Agreement for Engineering Services during construction to Construction Materials Engineers for the UNR-Mira Loma Reclaim Meter Rehabilitation and Cathodic Protection Addition Project in the amount of \$292,989.50. (Sewer Fund)

From: Matt Smith, Senior Civil Engineer

Department: Utility Services

Summary:

The City of Reno (Reno) manages a portion of the reclaimed water system supplied by the Truckee Meadows Water Reclamation Facility (TMWRF), that serves the University of Nevada, Reno Agriculture Area, Rosewood Nature Study Area, and the City's Mira Loma Park. Reno is responsible for maintaining the treated effluent reuse infrastructure that delivers reclaimed water to its customers. Currently, the piping network and metering facilities are in disrepair, not protected from corrosion, and are difficult to maintain. The UNR-Mira Loma Reclaim Meter Rehabilitation and Cathodic Protection Addition Construction Project requires engineering services during construction (ESDC) and special inspection services. Construction Materials Engineers (CME) is a qualified engineering consultant and is capable of performing both the ESDC for this project and the necessary inspection during construction. Staff recommends approval of the agreement with CME in an amount not to exceed \$292,989.50 (Sewer Fund).

Table 1 – Consent Review

Consent Review	Yes	No
1. Is this item an annual or standard item that comes before Council for regular approval?		X
2. Is this item an agreement required based on an item previously approved by Council?	X	
3. Is this item included in the current budget approved and adopted by Council?	X	
Other Considerations		
What percent of the total City budget does this item represent?	0.03%	

Alignment with Strategic Plan:

Fiscal Sustainability

Infrastructure, Climate Change, and Environmental Sustainability

Arts, Parks, and Historical Resources

Previous Council Action:

December 7, 2022 – Council approved a Consulting Agreement for Engineering Design Services with SB Engineering for the City of Reno UNR-Mira Loma Reuse System Improvements Project in an amount not to exceed \$223,415.

Background:

The Reno reclaimed water system, built in multiple phases from 2001 to 2007, consists of approximately 5 miles of large-diameter pressurized pipe and metering facilities. The piping and metering facilities are not protected from corrosion, and some of the infrastructure is in disrepair. Located on the eastern end of the Truckee Meadows, the system faces variable groundwater levels that accelerate corrosion. Fortunately, the system is designed to receive cathodic protection, which will help safeguard the pipeline from further corrosion.

The metering facilities are unreliable and require frequent repairs to maintain service for Reno's customers. Reno is responsible for maintaining these facilities and reporting water volumes used for irrigation to the Nevada Division of Environmental Protection (NDEP) as part of Reno's discharge permit.

The construction bid award for the UNR-Mira Loma Reclaim Meter Rehabilitation and Cathodic Protection Addition Project is on today's agenda for Council consideration.

Discussion:

This agreement includes engineering services during construction and special inspection services required for the UNR-Mira Loma Reclaim Meter Rehabilitation and Cathodic Protection Addition construction contract. Inspection reports and quality assurance inspection and testing will be completed to ensure construction and installation methods are performed in accordance with best engineering practices.

Financial Implications:

The UNR-Mira Loma Reclaim Meter Rehabilitation and Cathodic Protection Addition Project ESDC agreement is included in the approved FY25 CIP as approved by Reno City Council through the budget process.

Legal Implications:

The parties are bound by the terms of the agreement as prepared by the Office of the City Attorney.

Recommendation:

Staff recommends Council approval of the consultant agreement with Construction Materials Engineers for engineering services during construction for the UNR-Mira Loma Reclaim Meter Rehabilitation and Cathodic Protection Addition Project in an amount not to exceed \$292,989.50 (Sewer Fund), and authorize the Mayor to sign.

Proposed Motion:

I move to approve the staff recommendation.

Attachments:

- Area & Vicinity Map for UNR-Mira Loma Reclaim Meter Rehabilitation and Cathodic Protection Addition Project
- Agreement with CME Inspection and Materials Testing UNR-Mira Loma Reclaim