



MEMORANDUM

To: Coppel Recreation Development Corporation Board

From: Aaron Tainter, P.E., Assistant Director of Public Works
Mike Garza, P.E., Director of Public Works

Date: September 22, 2025

Reference: Consider approval of funding a Professional Services Agreement with Walter P Moore; for the design of retaining wall repairs at Wagon Wheel Tennis and Pickleball Center; in the amount of \$70,000.

2040: Sustainable City Government: Excellent and Well-Maintained City Infrastructure and Facilities

Introduction:

The purpose of this agenda item is to seek approval of funding a Professional Services Agreement with Walter P Moore for the design of retaining wall repairs at the Wagon Wheel Tennis and Pickleball Center (WWTPC) in the amount of \$70,000.

Background:

WWTPC was originally constructed in the early 2000's, and in 2010 it was expanded to its current footprint with the addition of the courts at the northwest corner of the site. As part of the expansion, a retaining wall was constructed around the perimeter of the new courts, and this agenda item is for the design of repairs to that retaining wall.

Wagon Wheel Park has a history of erosion issues due to the volatile soils in the park, particularly in the area near Cottonwood Branch. Several erosion control projects have been completed over the years to address these issues in other areas surrounding WWTPC. In 2013, Walter P. Moore (WPM) conducted an erosion assessment of the creek and identified five locations of concern, which were subsequently repaired in 2014. WPM also performed an assessment of the tennis court slab stability in 2014 and conducted annual surveys of the court surfaces from 2015-2017 to determine whether there was movement of the courts that would indicate the need for repairs.

In the years since the last repairs and assessments, City staff have observed damage to the retaining wall surrounding the northern courts, and the repair of this wall was included in the 2024-2025

CRDC Work Program. The most significant concern is the eastern edge of the courts where the retaining wall abuts the pavement surrounding the courts. This retaining wall has separated from the pavement, and a void has formed under the slab and adjacent to the retaining wall. The other sections of the wall to the north and west of the courts are exhibiting cracking, but these sections of the wall are offset approximately 10 feet from the courts and do not appear to be an immediate concern.

The project is proposed to be completed in multiple phases, with the initial construction addressing the wall directly abutting the courts, and the future phase addressing the portions of the wall that are offset from the courts. This agenda item is for the analysis of the entire retaining wall surrounding the northernmost courts and the detailed design of the eastern portion of that wall, as shown in the accompanying exhibit. The analysis will include an updated survey of the courts to identify any movement that has occurred since the last survey that was performed in 2017.

Benefit to the Community:

This project will repair damage to the WWTPC retaining walls to protect the courts.

Legal Review:

Standard professional services agreements are periodically reviewed by the City Attorney.

Fiscal Impact:

The fiscal impact of this agenda item is \$70,000 and is provided for in the CRDC budget. This project was included in the 24-25 CRDC Work Program at a cost of \$140,000.

Recommendation:

The Public Works Department and Community Experiences Department recommend approval of this item.