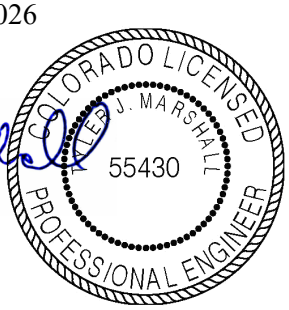
MEMO

TO: El Paso County
Department of Public Works

DATE: October 13, 2026

FROM: Stanley Consultants, Inc.
Tyler Marshall, P.E.



SUBJECT: Fountain to Nixon 115kV T-Lines – A Segment of Midway to Kelker Transmission Line Upgrades
Drainage Evaluation

Project Overview

To accommodate product demand as well as the problem of aging infrastructure, Colorado Springs Utilities (CSU) intends to replace overhead electric transmission line pole structures along its existing Midway Substation to Kelker Substation route (Transmission Line). The Midway-Kelker Transmission Line Project will upgrade the existing 115kV transmission line to a double circuit 115kV/230kV transmission line to increase import capability into the system. The upgrade will replace all existing wooden poles with steel monopoles. The Transmission Line will not deviate from its current alignment and existing pole structures will be cut at grade and taken offsite for proper disposal. The newly updated structures will be placed within approximately 20 feet of the existing structure foundation. A total of 163 structures are to be replaced as a part of this upgrade to the Transmission Line. 56 poles are part of the Fountain to Nixon segment, 14 of which are located within El Paso County's jurisdiction.

A temporary 11.93-acre stabilized staging area (SSA) will be located adjacent to the Nixon Power Plant Substation within El Paso County's jurisdiction. The SSA will be used for the staging of construction materials and equipment and will be used temporarily during construction. After construction is completed, the gravel will be removed, and the area will be reseeded. No grading or excavation of material will occur at the SSA.

See Figures 1 and Figure 2 for disturbance areas under El Paso County's jurisdiction.

Utility installation and maintenance described above and associated staging areas will not permanently alter terrain, ground cover, or drainage patterns from those present prior to the project. The amount of impervious surface added between existing and proposed conditions is negligible and will not impact runoff rates. All disturbances will be restored to existing conditions. Therefore, this project is excluded from the El Paso County Four Step Process and a Final Drainage Report as described in the Drainage Criteria Manual Section 4.4 is not necessary.

General Location

The project site begins at 5220 Kilowatt Pt, Colorado Springs, CO 80906 at the Fountain Substation and extends to 6598 Ray Nixon Rd, Fountain, CO 80817 at the Nixon Substation. From the Fountain Substation, the line trends south paralleling I-25 on the west and Fountain Creek on the east until crossing I-25 and connecting at the Nixon Substation. Adjacent properties include agricultural and commercial properties. Major drainageways include Fountain Creek and tributaries to Fountain Creek. Irrigation ditches adjacent to the property include Miller Ditch and Owen and Hall Ditch.

Drainage

The site is located within the Fountain Creek Major Drainage Basin.

Design Engineer's Statement:

The attached drainage plan and report were prepared under my direction and supervision and are correct to the best of my knowledge and belief. Said drainage report has been prepared according to the criteria established by the County for drainage reports and said report is in conformity with the applicable master plan of the drainage basin. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparing this report.

_____ 10-13-2026

[Name, P.E. #__PE.0055430_] Date

Owner/Developer's Statement:

I, the owner/developer have read and will comply with all of the requirements specified in this drainage report and plan.

Tiffany Wittich Digitally signed by Tiffany Wittich DN: C=US, E=twittich@myrgroup.com, CN=Tiffany Wittich Reason: I am approving this document Date: 2026.10.13 11:05:42-06'00' 10-13-2026

_____ Date

[Tiffany Wittich, Project Manager]
[Great Southwestern Construction, Inc.]
[1100 Topeka Way, Castle Rock, CO 80109]

El Paso County:

Filed in accordance with the requirements of the Drainage Criteria Manual, Volumes 1 and 2, El Paso County Engineering Criteria Manual and Land Development Code as amended.

_____ _____

Joshua J. Palmer, P.E. Date
County Engineer / ECM Administrator

Conditions:

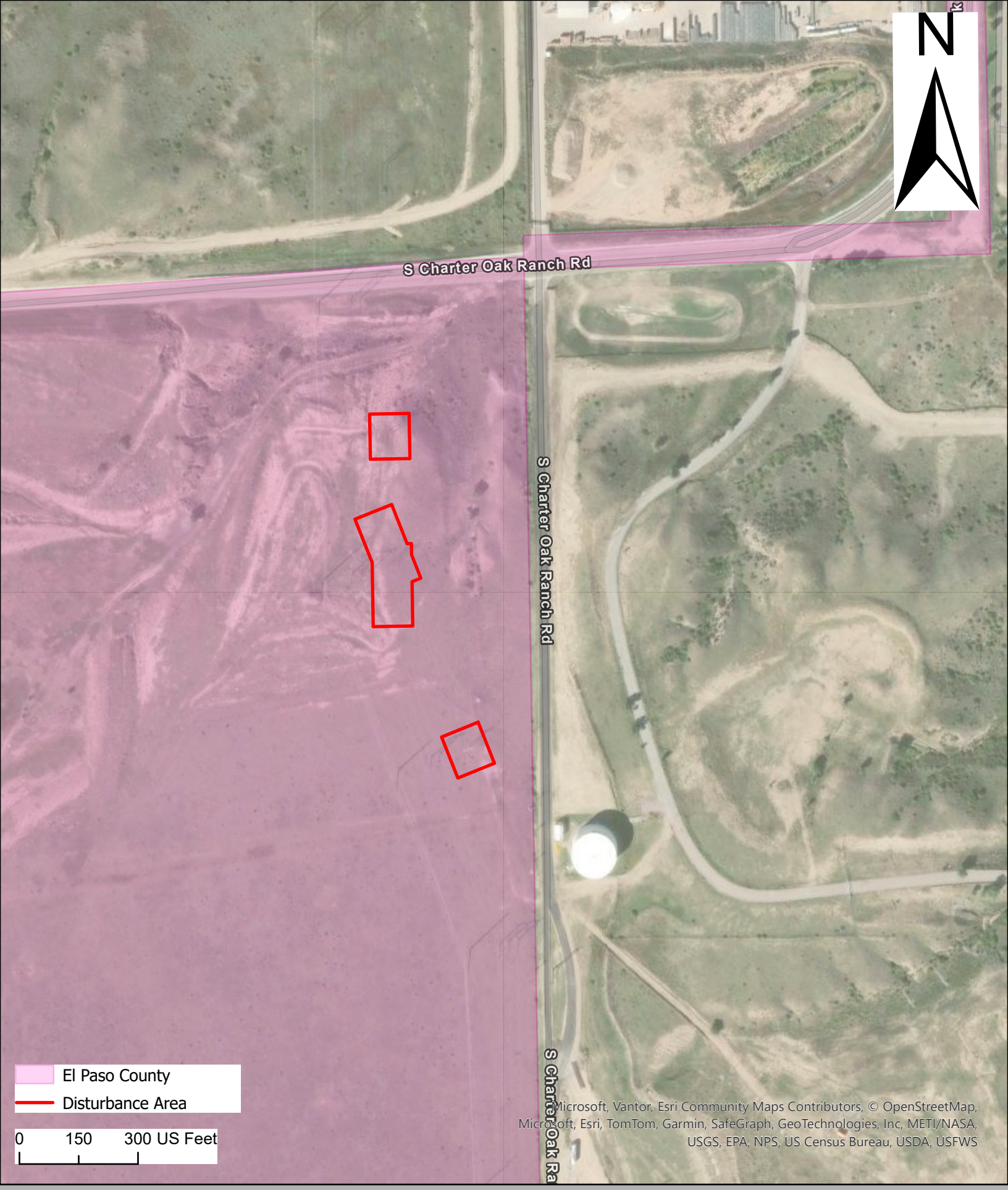


Figure 1 - Disturbance Area

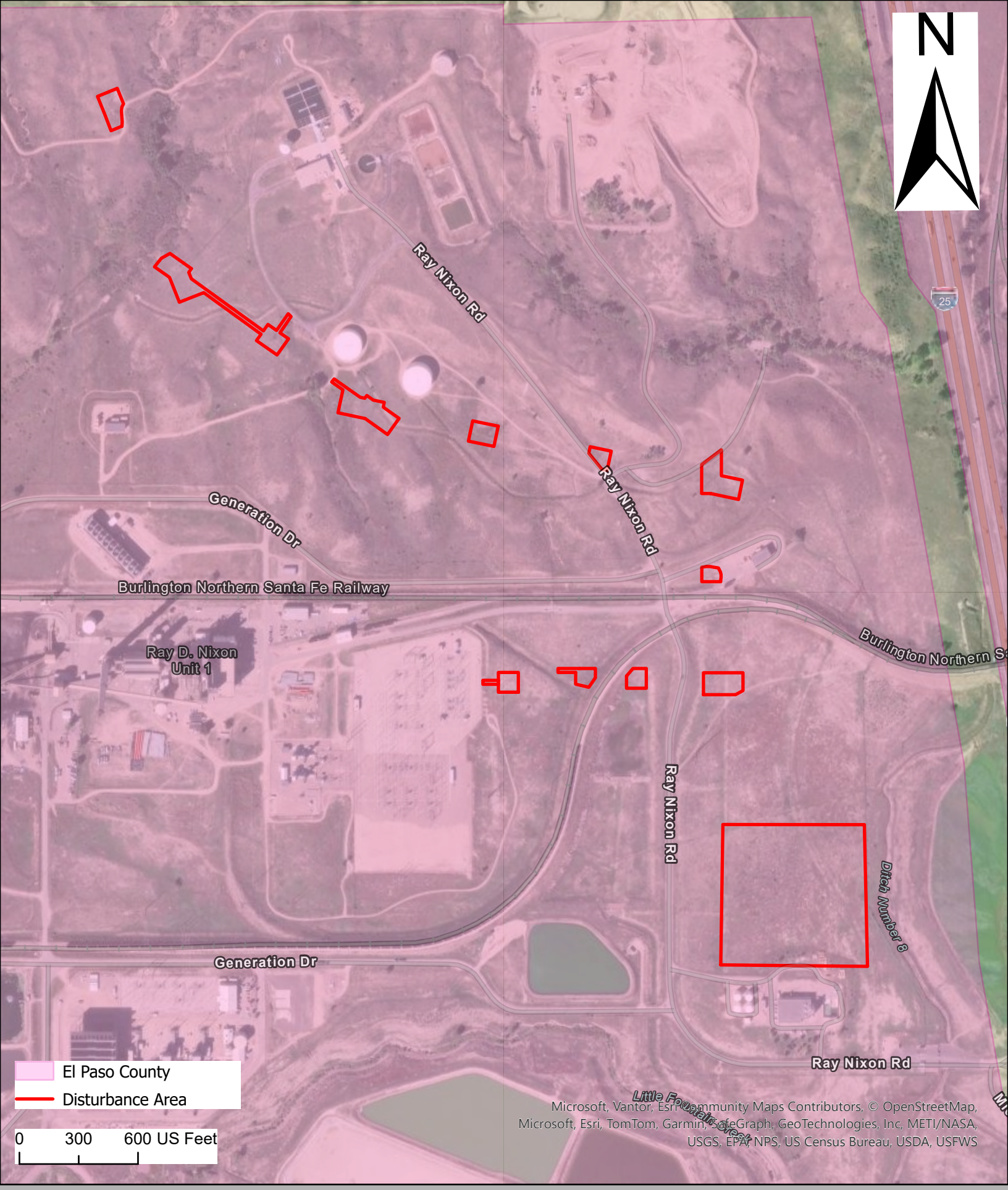


Figure 2 - Disturbance Area