



MEMO

TO: El Paso County
Department of Public Works

DATE: November 21, 2025

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



SUBJECT: Fountain to Bradley 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. 35 poles are part of the Fountain to Bradley segment, 11 of which are located within El Paso County's jurisdiction.

A temporary 11.93-acre stabilized staging area (SSA) will be located south of the Fountain to Bradley transmission line, adjacent to the Nixon Power Plant Substation within El Paso County's jurisdiction. The location of the SSA is fully within CSU property boundaries. There is an unused historical vegetated easement (unknown but likely railroad) that runs through the SSA site. 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 9309 Bandle Dr, Fountain, CO 80817 at the Fountain Substation and extends to Kensington Dr, Colorado Springs, CO 80906 at the Bradley Substation. From the Fountain Substation, the line trends northwest paralleling I-25 on the west and Fountain Creek on the east until connecting at the Bradley 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.

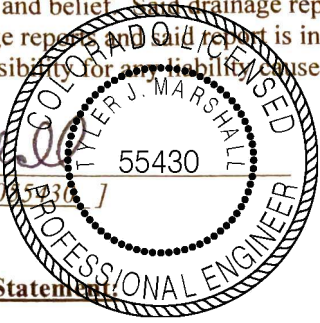
Drainage

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

Federal Emergency Management Agency (FEMA) regulatory floodway and 100-year floodplain according to the FEMA Flood Insurance Rate Maps. A Floodplain Development permit was developed, and the site is within the acceptable limits for the change in Water Surface Elevation (WSEL) between pre- and post-development conditions and meets the "no-rise" requirements.

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.


[Name] Tyler Marshall
[P.E. #] PE.00055430

11-21-25

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.


[Name, Title] Alvino Jaime
[Business Name] Great Southwestern Construction
[Address] 1100 Topeka Way Castle Rock CO

11/21/2025

Date

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.

12/02/25

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

Date

Conditions:

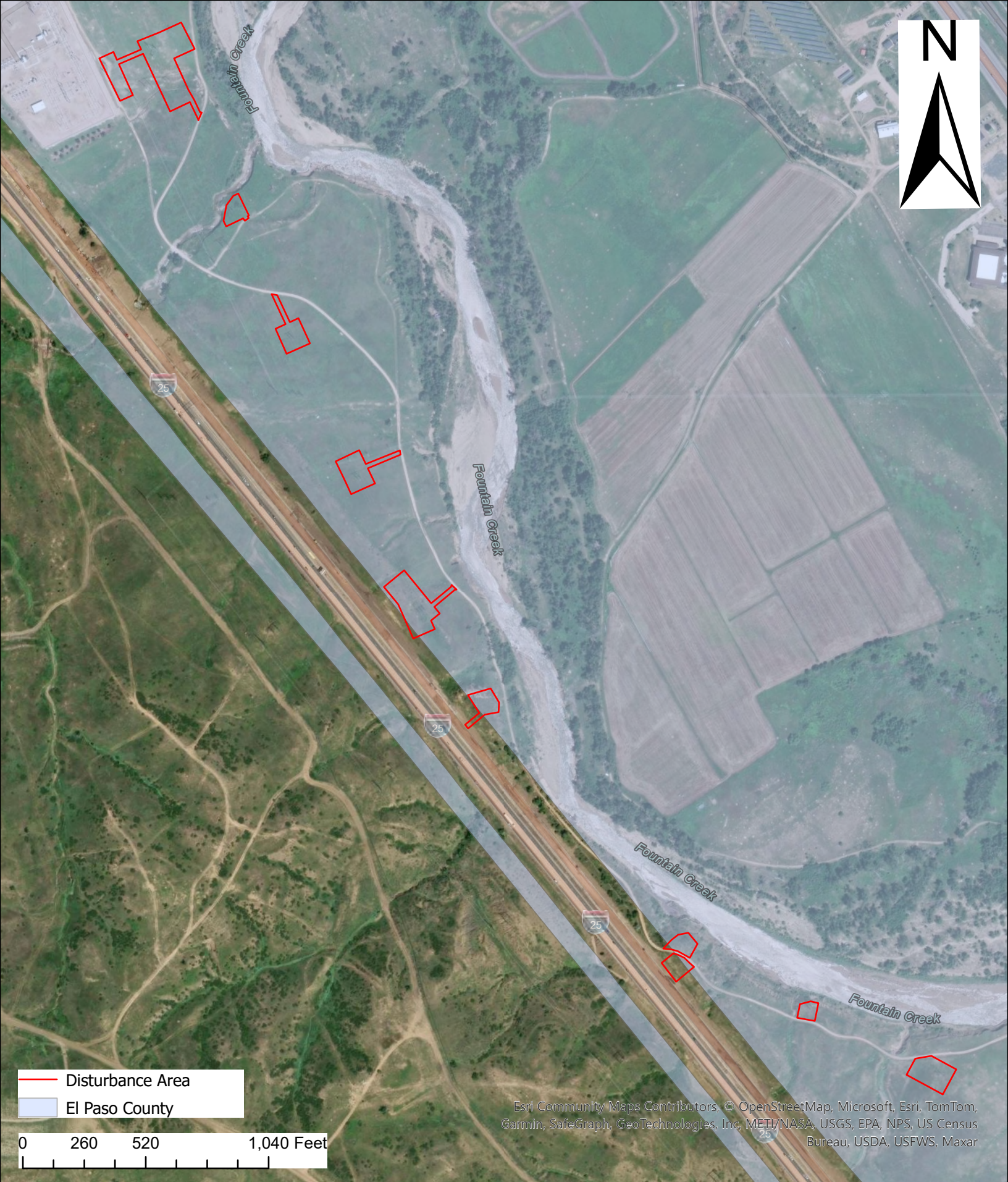


Figure 1 - Disturbance Area



Figure 2 - Disturbance Area