

MEMORANDUM

To: Fernando Manuel Uceda Diaz, Ignacio Fernandez Rodriguez, and Daniel Gonzales Aguilar, Grupo Cobra

From: Randi Busse, Dudek

Subject: Barrett Solar Project – Screening Plan Memorandum

Date: June 13, 2024

cc: Ignacio Cruces Antem, Jose Maria Rodriguez Calatayud, and Leticia Rescalvo Perea, Grupo Cobra
David Hochart and Adrienne Charbonneau, Dudek

Attachment(s): Figure 1 – Project Location
Figure 2 – Project Development Footprint
Figure 3 – Adjacent Businesses and Residences

1 Introduction

1.1 Project Description and Location

This memorandum has been prepared by Dudek on behalf of Grupo Cobra (the applicant) in support of the Barrett Solar Project (project). The applicant is looking to permit and construct an approximately 170-megawatt peak (MWp) photovoltaic (PV) solar energy production facility on approximately 911 acres of privately-owned lands in Rains County, Texas (see Figure 1, Project Location).

1.2 Purpose

Per correspondence received by Dudek from the applicant, Dudek has prepared this memorandum to satisfy the following tax abatement requirement from Rains County:

- Section VI.C.1.i. - 45 Days before Commencement of Construction, Deliver to County a screening plan for equipment located within five hundred feet of a business or residence.

The purpose of this memorandum is to provide the County with a summary of businesses and residences located within 500 feet of the project's development footprint (see Figure 2, Project Development Footprint) and discuss screening options to lessen the visual impact of project development on these businesses and residences.

2 Screening Plan

The project's PV arrays are anticipated to be mounted on pile-driven poles and employ a single-axis tracking system to maximize solar energy production throughout the day. The project will be bordered by a chain link security fence around the perimeter. Where currently present, existing vegetation outside of the perimeter fence line is anticipated to provide visual screening of the solar facilities and ancillary equipment for portions of the project site.

Screening options were evaluated for all businesses and residences located within 500 feet of the project development footprint (see Figure 2, Project Development Footprint) per the current project design in accordance with the County's tax abatement requirement (Section VI.C.1.i., above) using most current aerial images. Per the project design dated April 16, 2024 provided by the applicant (Grupo Cobra 2024), a total of 23 businesses and residences are anticipated to be located within 500 feet of the project fence line. The businesses and residences identified within the 500-foot buffer are individually labeled in a mapbook attached as Figure 3 (Adjacent Businesses and Residences). The precise locations of project components and equipment may be revised as project design is further refined.

Per a desktop review of current aerial imagery, existing vegetation outside of the project fence line is anticipated to potentially provide adequate visual screening for 14 of the 23 businesses/residences (labelled 2-4, 8-12, 16-20, and 22 in Figure 3, Adjacent Businesses and Residences).

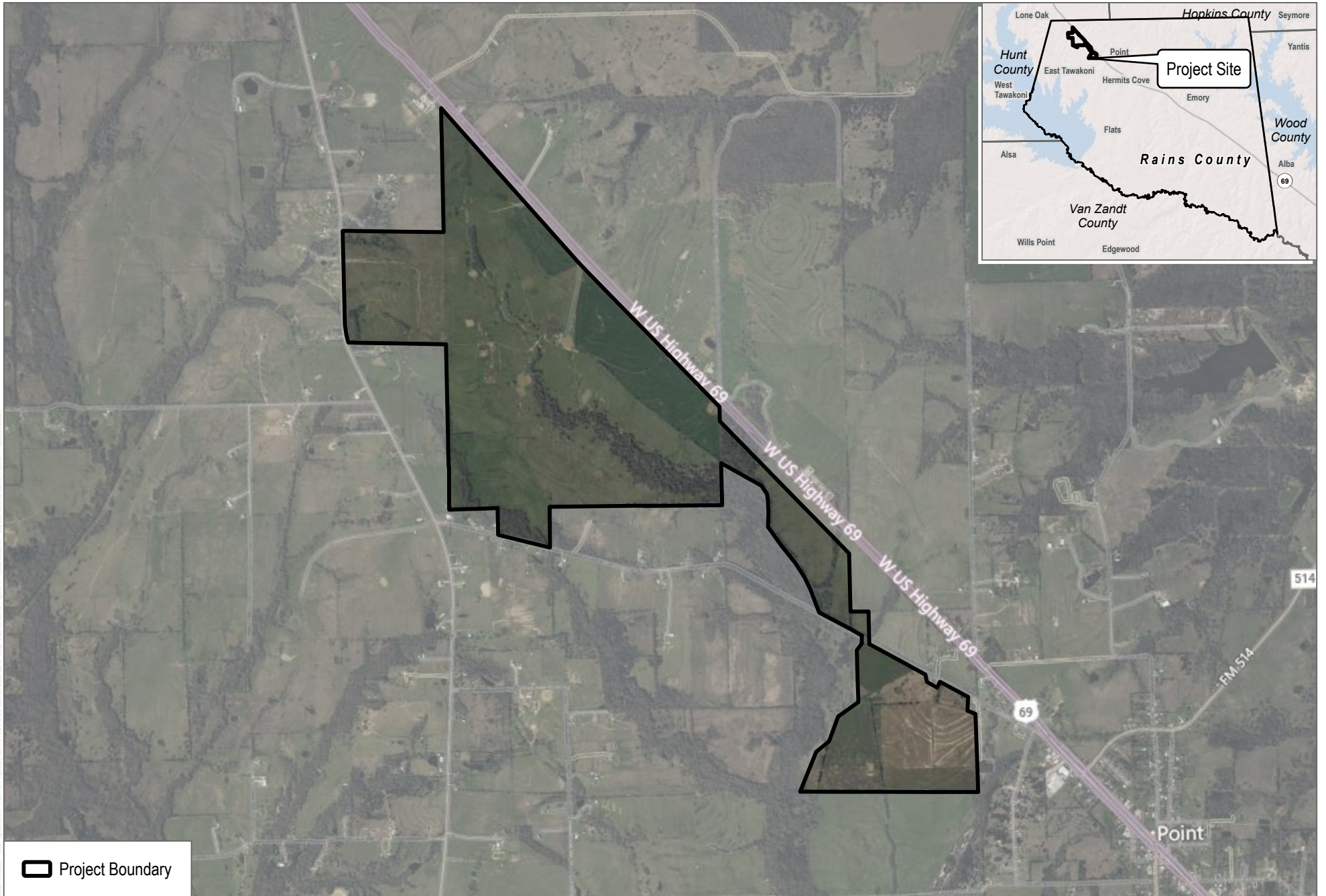
For the remaining 9 businesses/residences (labelled 1, 5-7, 13-15, 21, and 23 in Figure 3, Adjacent Businesses and Residences), existing vegetation between the project fence line and the businesses/residences appears to be absent or insufficient to provide visual screening. Additional visual screening measures for these businesses/residences will be implemented as needed and is anticipated to be accomplished via installation of slats on the perimeter chain link fence, or similar measures, in consultation with the County.

3 References

AZTEC (AZTEC Engineering, Inc.). 2024. Erosion Control Assessment, Version CV-11 Erosion Control. Revised February 19, 2024.

Grupo Cobra. 2024. Buildable Area and Avoidance Areas for the Barrett Solar Project.

"Barret_solar_buildable_area_and_avoidance_area_20240416.kmz." KMZ file from F.M. Uceda Diaz (Grupo Cobra) to R. Busse (Dudek). April 16, 2024.



 Project Boundary

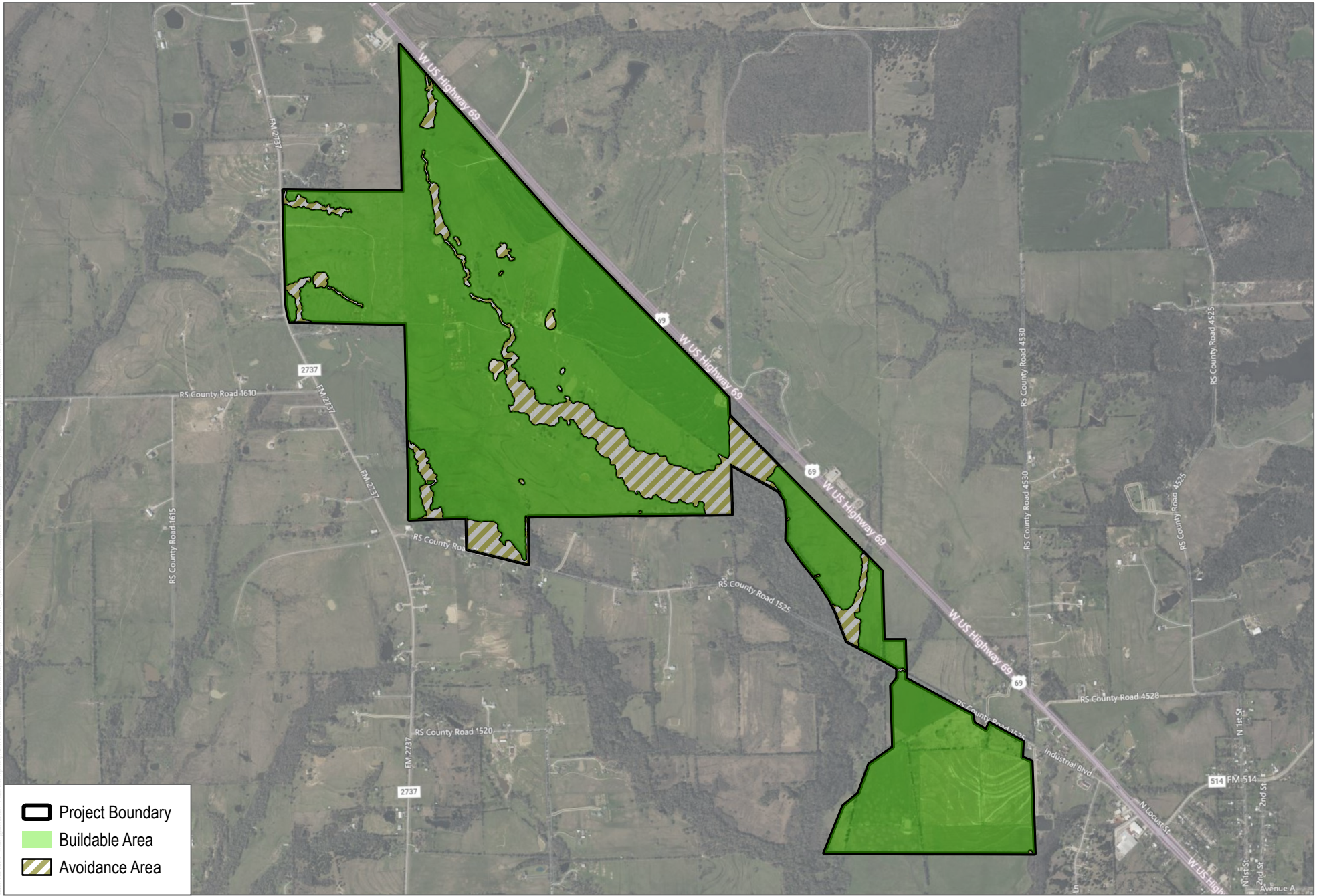
SOURCE: Bing Maps 2023

DUDEK



0 1,000 2,000 Feet

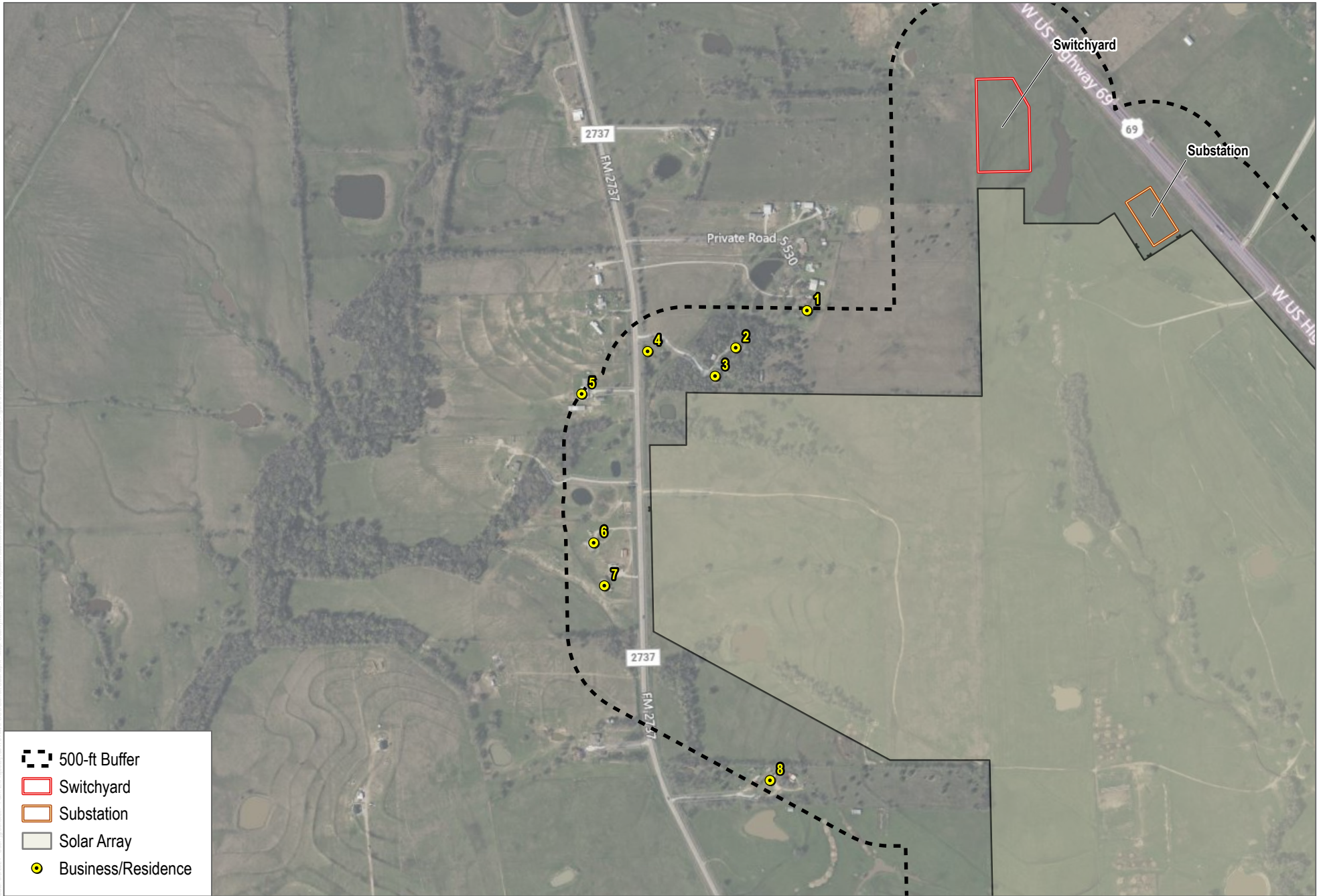
FIGURE 1
Project Location
 Barrett Solar Project



SOURCE: Bing Maps 2023



FIGURE 2
Project Development Footprint
 Barrett Solar Project



SOURCE: Bing Maps 2023



FIGURE 3.2
Adjacent Businesses and Residences



SOURCE: Bing Maps 2023

FIGURE 3.3
Adjacent Businesses and Residences



- 500-ft Buffer
- Solar Array
- Business/Residence

SOURCE: Bing Maps 2023

FIGURE 3.4
Adjacent Businesses and Residences
Barrett Solar Project



SOURCE: Bing Maps 2023

FIGURE 3.5
 Adjacent Businesses and Residences
 Barrett Solar Project