PARTNER

October 4, 2022

Keith McDaniels
Juniper Energy, LLC
818 Crystal Springs Road
Hillsborough, California 94010

Subject: **Geologic Review**
Project Lockhart Solar
315 Rox Road
Hinkley, California 92347
Partner Project No. 22-381582.10

Dear Keith McDaniels:

Partner Assessment Corporation (Partner) is pleased to submit this Geologic Review in accordance with our proposal dated September 12, 2022. This letter presents our understanding of the site. Partner performed a geological background review using historical aerial photos, geological maps, and California's state hazard maps to evaluate the property for geologic hazards.

Findings

Upon review of readily available resources, Partner found that the site is located in Hinkley, California at 315 Rox Road. The subject property is currently occupied by two structures in the northwestern portion of the property, the remainder of the site is composed of vacant land. According to available historical sources, the majority of the subject property has remained relatively unchanged since 1952 with some additional structures being added to the northwestern portion of the site around 1972 and removed sometime between 1984 and 1994.

According to the United States Geological Survey (USGS), surficial geology at the site has been depicted as Holocene aged uncolsolidated alluvial sediments of undissected valley fills derived from adjacent higher ground. Onsite soils general consists of gravel, sand, and silt, tan to light gray, loose to slightly indurated and bedded. Site grades are relatively flat with an existing drainage feature that flows from the southwest corner to the northeast corner. Based on information obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey online database, the subject property is mapped as Cajon Sand, Cajon Loamy Sand, and Norob-Halloran Complex. The Cajon Sand and Cajon Loamy Sand series consists of somewhat excessively drained alluvium fan deposits derived from granite sources. The Norob-Halloran Complex series consists of moderately well drained alluvium derived from granite sources.

According to the Federal Emergency Management Agency (FEMA) map, the subject property is located in Zone D, an area of undetermined flood hazard. California is tectonically active and contains numerous large, active faults. As a result, geologic hazards with the greatest potential to affect California include earthquakes and related hazards such as tsunamis, landslides, liquefaction, and ground shaking. According to the USGS Unified Hazard Tool Deaggregation, the three faults most relevant to the site is the Lenwood-Lockhart-Old

Woman Springs (1.80 miles from the site, Mmax: 7.18), Gravel Hills-Harper Lk (14.05 miles from the site, Mmax: 7.14), and Helendale-So Lockhart (11.94 miles from the site, Mmax: 7.14). According to CGS geologic hazard maps, the site is not mapped within a zone of seismically induced hazards for landslide, liquefaction, or tsunami. However, the site is located within a mile of a Alquist-Priolo earthquake fault zones for the Lenwood-Lockhart fault zone. The site will be subject to strong ground shaking, no other geologic hazards are known or suspected to impact the site.

Limitations

Partner does not guarantee the future performance of the building, pavements, flatwork, or other site features related to geotechnical conditions. Report was completed based on background research only, and we did not conduct a site visit to obtain information based on observations or current conditions onsite. We have made a good-faith effort to evaluate and perform a document/research review per the conditions of our proposal. We are not able to guarantee that we have discovered, observed, and reviewed all relevant site documents and conditions.

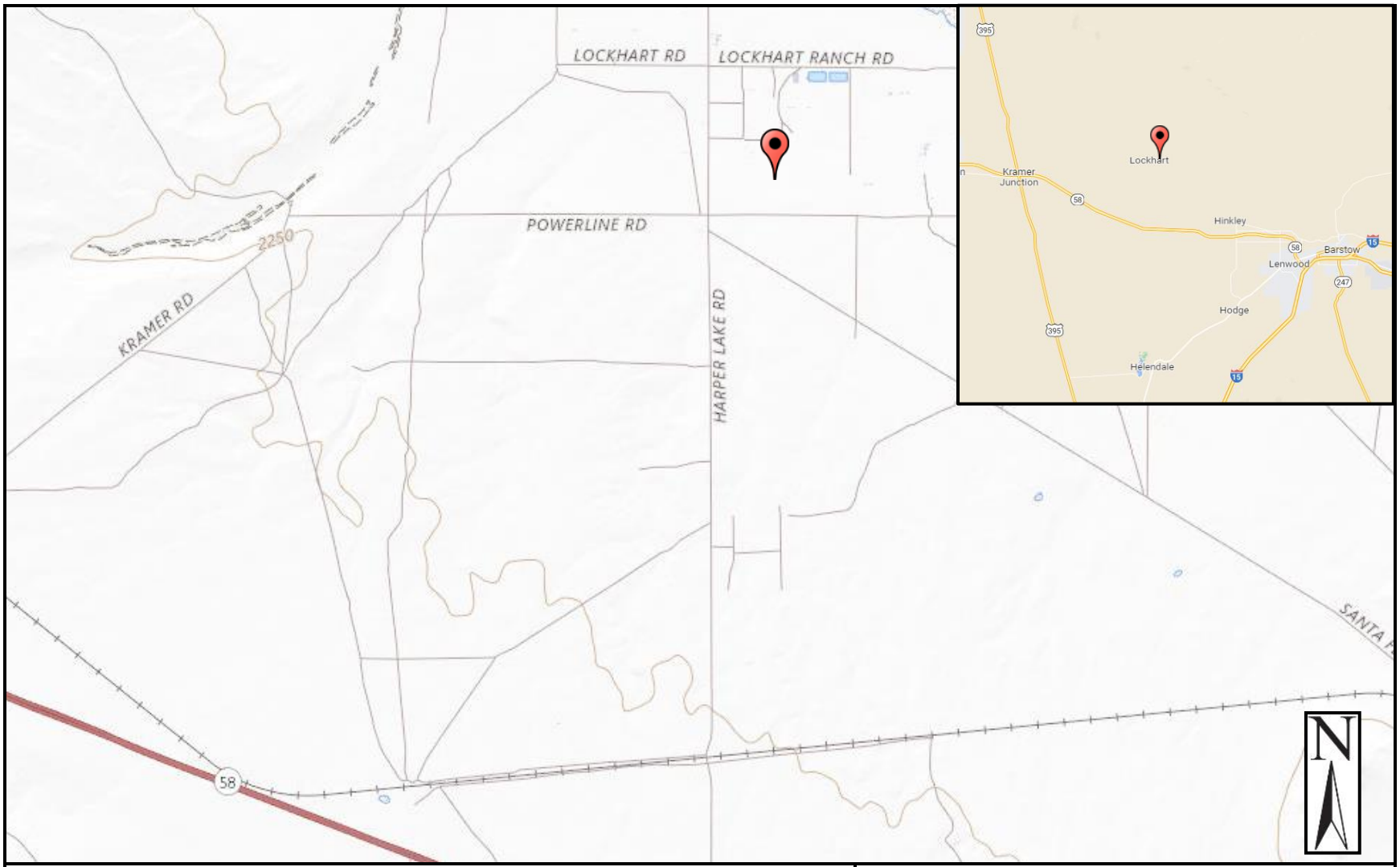
This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions.

We appreciate the opportunity to provide this letter report. If you have any questions about the content of this document or if we can assist you in any other matters, please do not hesitate to contact us.
Sincerely,

Andrew J. Atry, PE
Senior Engineer

Attachments: Figures 1-4:
Site Vicinity Plan
Site Plan
Geologic Map
Geologic Hazards Map

FIGURES

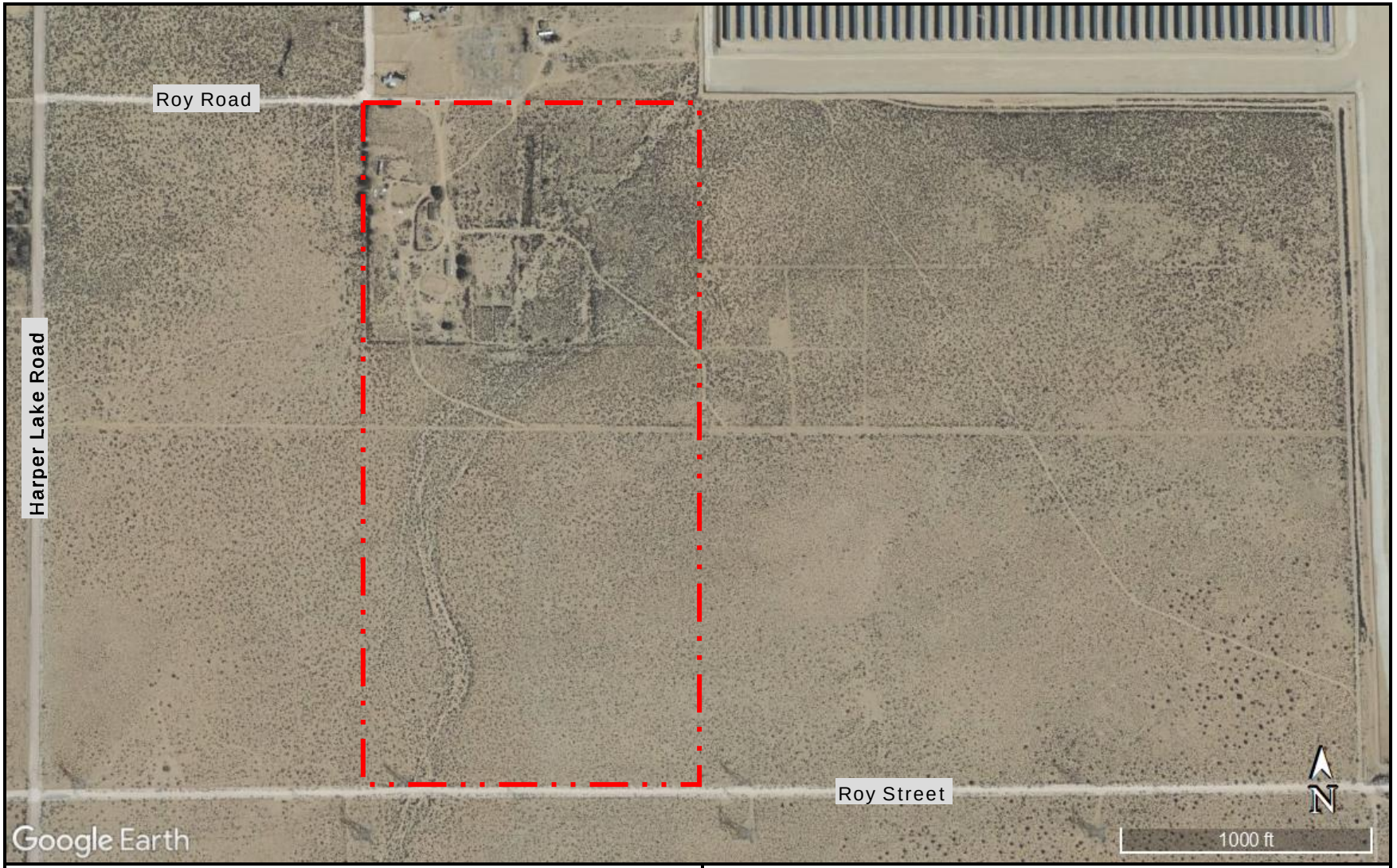


Source: U.S. Geological Survey, 20211214, US Topo 7.5-minute map for Lockhart, CA: USGS - National Geospatial Technical Operations Center (NGTOC).

FIGURE 1 – SITE VICINITY PLAN

KEY

Approximate Site Location



Source: Google Earth

FIGURE 2 – SITE PLAN

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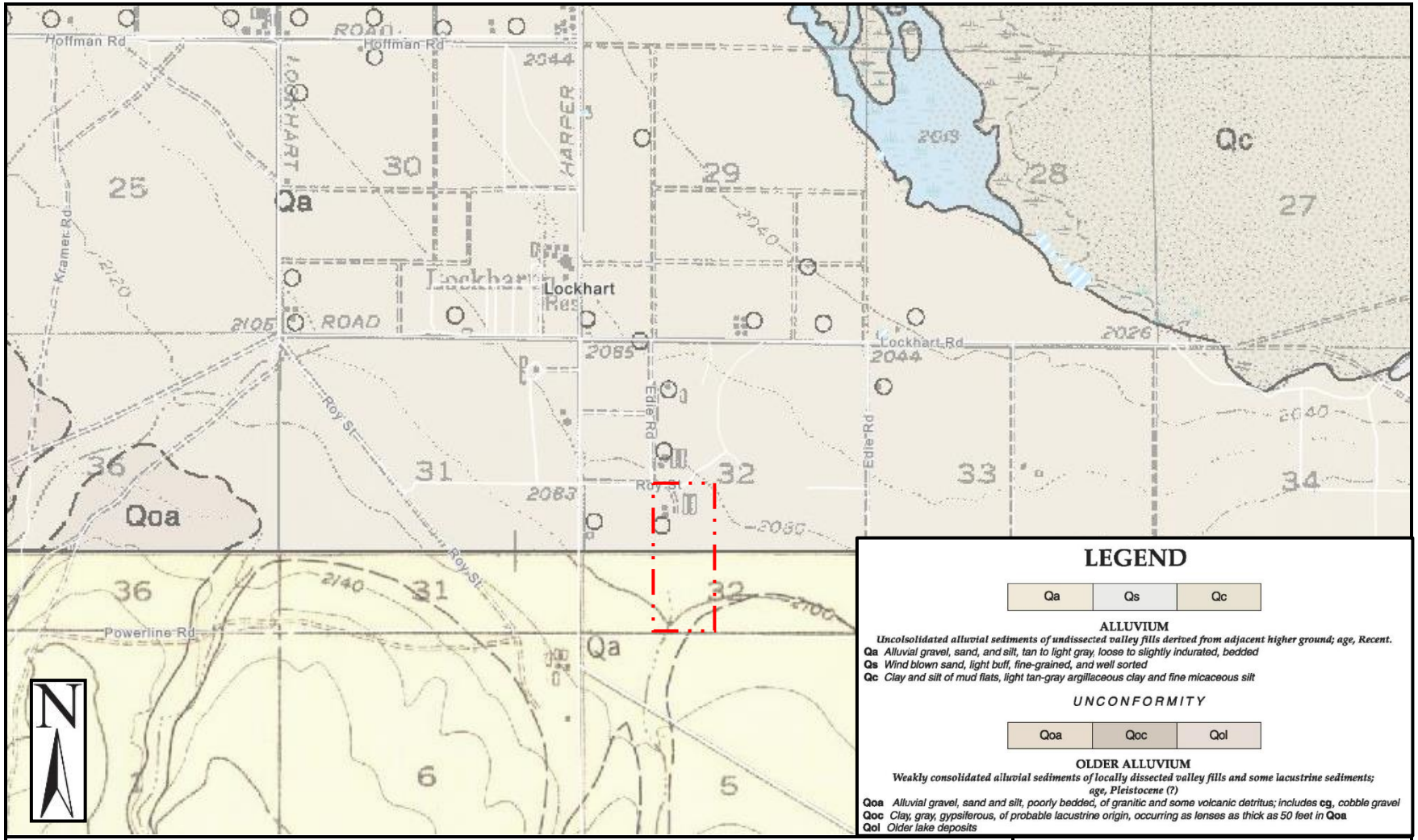
Approximate Site Limits



Source: Dibblee, T.W., and Minch, J.A., 2008, Geologic map of the Boron & Fremont Peak 15 minute quadrangles, Kern & San Bernardino Counties, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-402, scale 1:62,500 and Dibblee, T.W., 1960, Geologic map of the Hawes quadrangle, San Bernardino County, California: U.S. Geological Survey, Mineral Investigations Field Studies Map MF-226, scale 1:62,500

FIGURE 3 – GEOLOGIC MAP

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Approximate Site Limits

Source: California Geological Survey, Earthquake Zones of Required Investigation

FIGURE 4 – GEOLOGIC HAZARDS MAP

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Approximate Site Limits