

**DATE:** March 6, 2026

**TO:** See Attached Mailing List

**FROM:** Kern County Planning and Natural Resources Department  
Andrea Calderon, Planner II  
2700 "M" Street, Suite 100  
Bakersfield, CA 93301  
(661) 862-5029; [calderona@kerncounty.com](mailto:calderona@kerncounty.com)

**SUBJECT:** Notice of Preparation (NOP) of a Draft Environmental Impact Report (EIR) for the Pappas Solar Project by Radiant BMT, LLC (PP24406).

The Kern County Planning and Natural Resources Department as Lead Agency (per CEQA Guidelines Section 15062) has determined that preparation of an EIR (per CEQA Guidelines 15161) is necessary for the proposed project identified below. Agencies on the attached mailing list may need to use the EIR prepared by the Department when considering their permit or other approvals for the proposed project.

**PROJECT TITLE:** Pappas Solar Project by Radiant BMT, LLC; PLN21-02334; CUP No. 6, Map 134.

**DOCUMENT AVAILABILITY:** The NOP for the above referenced project is available for public review at the Planning and Natural Resources Department, which is located at the address listed above or it can be accessed on the Kern County Planning and Natural Resources Department website at: <https://kernplanning.com/planning/notices-of-preparation>

**AGENCY/PUBLIC COMMENT:** The Planning and Natural Resources Department solicits the comments of agencies, interested parties, and surrounding property owners as to the scope and content of the environmental information for the proposed project and the upcoming EIR. Any comments should be submitted to the planner whose contact information is identified above prior to the close of the NOP public review period. As mandated by State law, the NOP public review period for the proposed project is 30 days.

**March 6, 2026 – April 6, 2026**

**SCOPING MEETING:** A scoping meeting is scheduled for **Wednesday, March 25, 2026 at 1:30 p.m.** at the Kern County Planning and Natural Resources Department, which is located at the address listed above for an overview of the CEQA process as well as the proposed project, and to receive comments for the preparation of the EIR.

**PROJECT LOCATION:** The proposed project site is located at the northern edge of the Fremont Valley in the western Mojave Desert, on the east side of Pappas Road, half a mile north of Munsey Road, approximately 2 miles southeast of the community of Cantil in unincorporated Kern County. Access to the proposed project site is from the intersection of Pappas Road and E. Gail Avenue.

**PROJECT DESCRIPTION:** The proposed Pappas Solar Project is a photovoltaic solar facility with the associated infrastructure capable of generating up to 3 megawatts (MW) of renewable energy on an approximate 21.9-acre proposed project site in an unincorporated area of eastern Kern County, California.

The proposed project includes the following land-use entitlement from the Planning and Natural Resources Department:

- (a) Conditional Use Permit (CUP No. 6, Map 134) to allow for the construction and operation of a photovoltaic solar facility with the associated infrastructure to generate up to 3 MW of renewable electrical energy on approximately 21.9 acres in the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.

Signature: Andrea Calderon

Date: 3/6/2026








Printed Name: Andrea Calderon

Title: Planner II

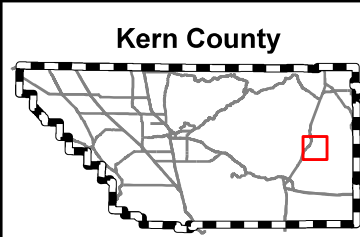
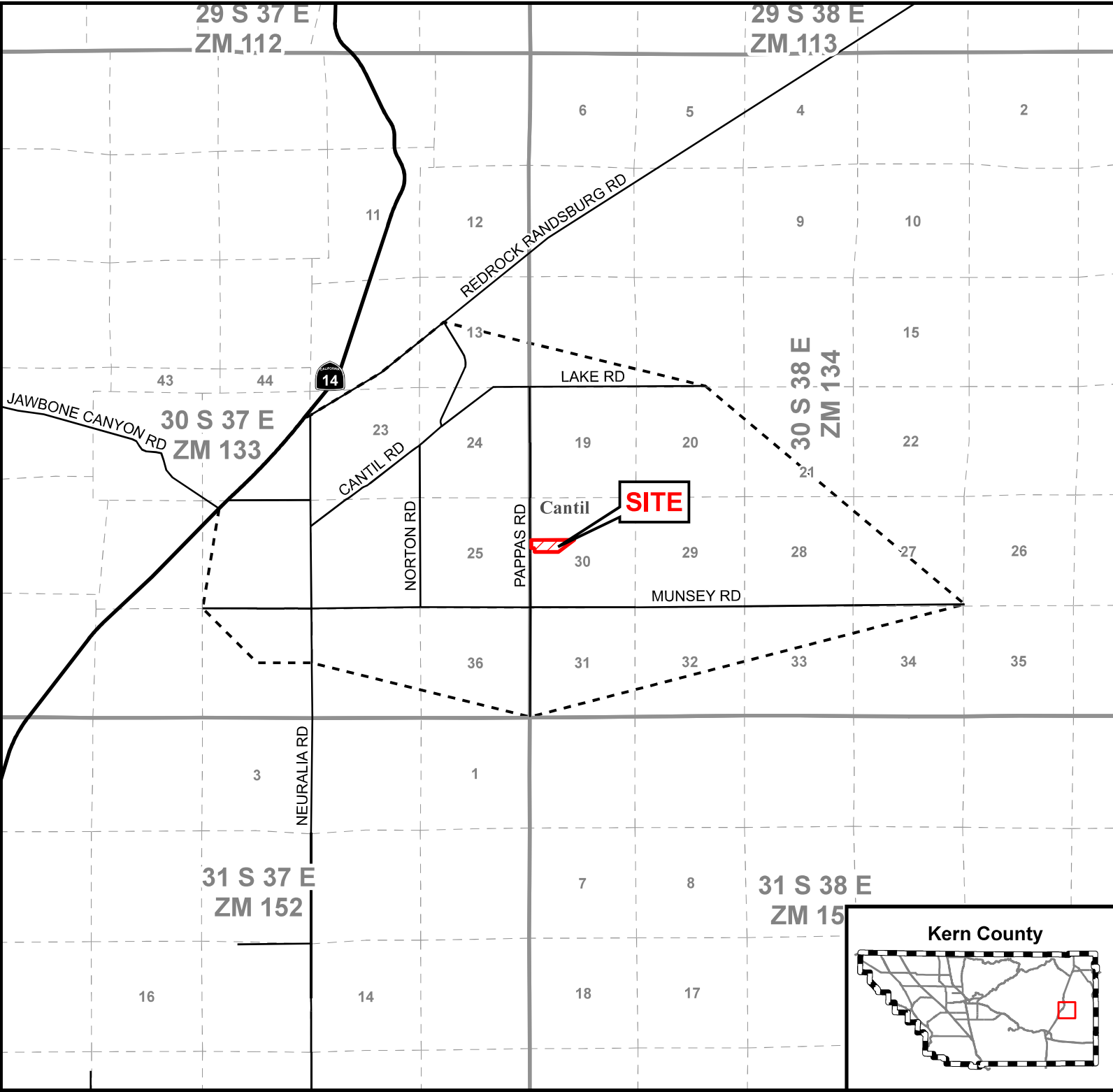
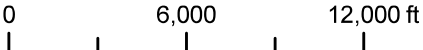
# CUP No. 6 Map No. 134

## Vicinity Map

Pappas Solar Project  
by Radiant BMT, LLC

-  Project Site
-  State Hwy
-  Arterials
-  Kern County Boundary
-  Township/Range
-  Sections
-  Unincorporated Cities

APN: 181-321-04 & 181-321-05  
Sec. 30 - T30S/R38E  
Created on: 11/20/2025



**Pappas Solar Project  
Surrounding Property Owners**

181 321 06 00 8  
AMATO Y LLC  
P O BOX 1334  
TEHACHAPI CA 93581-1334

181 390 45 00 5  
ANDERSON C & E FAMILY TRUST  
800 S SHORELINE CT  
POST FALLS ID 83854-7705

181 321 11 00 2  
CAL NEVA LAND & LIVESTOCK  
LLC  
PO BOX 2224  
BIG BEAR CITY CA 92314-2224

181 100 04 00 1  
DICKEY CHARLES R & KATHLEEN  
M LIVING TRUST  
2550 UNION AV  
LA HABRA CA 90631-5837

181 110 08 00 6  
GUERRERO DERRICK  
5902 E AVENUE T2  
PALMDALE CA 93552-6406

181 100 11 00 1  
HSIAO KUANG HAO & KAREN  
20205 ELKWOOD ST  
CANOGA PARK CA 91306-2313

181 321 10 00 9  
LAND INV NETWORK LLC  
3142 PACIFIC COAST HW STE 200  
TORRANCE CA 90505-6750

181 390 44 00 2  
MEMARIANFARD AKBAR  
2401 KITTYHAWK DR  
PLANO TX 75025

181 321 07 00 1  
MUZTAR ABDUL JABBAR  
5103 JEROME AV  
SKOKIE IL 60077-3359

181 100 05 00 4  
NEREY TIBURCIO U & GUADALUPE  
T  
13478 HUNTINGTON ST  
FONTANA CA 92336

181 390 19 00 0  
O BRIEN SUSAN M TRUST  
3921 SUNSET LN  
OXNARD CA 93035-3948

181 390 01 00 7  
PATEL DIPTE  
2729 ALVORD LN  
REDONDO BEACH CA 90278

181 321 04 00 2  
RADIANT BMT LLC  
2410 FAIR OAKS BL # 110  
SACRAMENTO CA 95825-7666

181 390 40 00 0  
ROMERO DONNA L  
4490 E PINTO VALLEY RD  
QUEEN CREEK AZ 85143-3275

181 321 12 00 5  
STEPHENS LAUREN M  
625 S HUDSON AV  
PASADENA CA 91106-3909

181 390 43 00 9  
T V T ENTERPRISES INC  
9220 RENOIR CT  
BOYNTON BEACH FL 33472

181 321 03 00 9  
VIZMANOS FAMILY TRUST  
3277 SANTA ROSA CT  
UNION CITY CA 94587-2759

181 321 02 00 6  
ALATORRE FRANCISCO  
P.O. BOX 2161  
CALIFORNIA CITY CA 93504

**Pappas Solar Project  
Agency & Interested Parties**

City of Arvin  
P.O. Box 548  
Arvin, CA 93203

Bakersfield City Planning Dept  
1715 Chester Avenue  
Bakersfield, CA 93301

Bakersfield City Public Works Dept  
1501 Truxtun Avenue  
Bakersfield, CA 93301

California City Planning Dept  
21000 Hacienda Blvd.  
California City, CA 93515

Delano City Planning Dept  
P.O. Box 3010  
Delano, CA 93216

City of Maricopa  
P.O. Box 548  
Maricopa, CA 93252

City of McFarland  
401 West Kern Avenue  
McFarland, CA 93250

City of Ridgecrest  
100 West California Avenue  
Ridgecrest, CA 93555

City of Shafter  
336 Pacific Avenue  
Shafter, CA 93263

City of Taft  
Planning & Building  
209 East Kern Street  
Taft, CA 93268

City of Tehachapi  
Attn: John Schlosser  
115 South Robinson Street  
Tehachapi, CA 93561-1722

City of Wasco  
764 E Street  
Wasco, CA 93280

Inyo County Planning Dept  
P.O. Drawer "L"  
Independence, CA 93526

Kings County Planning Agency  
1400 West Lacey Blvd, Bldg 6  
Hanford, CA 93230

Los Angeles Co Reg Planning Dept  
320 West Temple Street  
Los Angeles, CA 90012

San Bernardino Co Planning Dept  
385 North Arrowhead Avenue, 1st Floor  
San Bernardino, CA 92415-0182

San Luis Obispo Co Planning Dept  
Planning and Building  
976 Osos Street  
San Luis Obispo, CA 93408

Santa Barbara Co Resource Mgt Dept  
123 East Anapamu Street  
Santa Barbara, CA 93101

Tulare County Planning & Dev Dept  
5961 South Mooney Boulevard  
Visalia, CA 93291

Ventura County RMA Planning Div  
800 South Victoria Avenue, L1740  
Ventura, CA 93009-1740

U.S. Bureau of Land Management  
Ridgecrest Field Office  
300 South Richmond Road  
Ridgecrest, CA 93555

China Lake Naval Weapons Center  
Tim Fox, RLA - Comm Plans & Liaison  
429 E Bowen, Building 981  
Mail Stop 4001  
China Lake, CA 93555

Edwards AFB, Mission Sustainability  
Liaison  
412 TW, Bldg 2750, Ste 117-14  
195 East Popson Avenue  
Edwards AFB, CA 93524

U.S. Fish & Wildlife Service  
777 East Tahquitz Canyon Way, Suite 208  
Palm Springs, CA 92262

Eastern Kern Resource Cons Dist  
300 South Richmond Road  
Ridgecrest, CA 93555-4436

Environmental Protection Agency  
Region IX Office  
75 Hawthorn Street  
San Francisco, CA 94105

U.S. Dept of Agriculture/NRCS  
5080 California Avenue, Ste 150  
Bakersfield, CA 93309-0711

So. San Joaquin Valley Arch Info Ctr  
California State University of Bkfd  
9001 Stockdale Highway  
Bakersfield, CA 93311

Caltrans/Dist 6  
Planning/Land Bank Bldg.  
P.O. Box 12616  
Fresno, CA 93778

Caltrans/Dist 9  
Planning Department  
500 South Main Street  
Bishop, CA 93514

State Dept of Conservation  
Director's Office  
715 "P" Street, MS 1900  
Sacramento, CA 95814

State Dept of Conservation  
Geologic Energy Management Division  
11000 River Run Boulevard  
Bakersfield, CA 93311

Office of the State Geologist  
Headquarters  
715 "P" Street, MS 1901  
Sacramento, CA 95814

California Energy Commission  
James W. Reed, Jr.  
1516 Ninth Street  
Mail Stop 17  
Sacramento, CA 95814

California Fish & Wildlife  
1234 East Shaw Avenue  
Fresno, CA 93710

Public Utilities Comm Energy Div  
505 Van Ness Avenue  
San Francisco, CA 94102

California Regional Water Quality  
Control Board/Lahontan Region  
15095 Amargosa Road - Bld 2, Suite 210  
Victorville, CA 92392

Kern County Administrative Officer

Kern County Public Works Department/  
Building & Development/Floodplain

Kern County Fire Dept  
Aaron Duncan

Kern County Library/Beale  
Local History Room

Kern County Library/Beale  
Andie Sullivan

Kern County Library  
California City Branch  
9507 California City Boulevard  
California City, CA 93505

Kern County Parks & Recreation

Kern County  
Env Health Services Department

Kern County Public Works Department/  
Building & Development/Survey

Kern County Sheriff's Dept  
Administration

Kern County Public Works Department/  
Building & Development/Development  
Review

Kern County Public Works  
Department/Operations &  
Maintenance/Regulatory Monitoring &  
Reporting

Mojave Unified School Dist  
3500 Douglas  
Mojave, CA 93501

Kern County Superintendent of Schools  
Attention School District Facility Services  
1300 - 17th Street  
Bakersfield, CA 93301

KernCOG  
1401 19th Street - Suite 300  
Bakersfield, CA 93301

Local Agency Formation Comm/LAFCO  
5300 Lennox Avenue, Suite 303  
Bakersfield, CA 93309

Kern County Water Agency  
3200 Rio Mirada Drive  
Bakersfield, CA 93308

East Kern Air Pollution  
Control District

Antelope Valley-East Kern  
Water Agency  
6500 West Avenue N  
Palmdale, CA 93551

Adams, Broadwell, Joseph & Cardozo  
Attention: Rachel Levine  
601 Gateway Boulevard, Suite 1000  
South San Francisco, CA 94080

U.S. Air Force  
Attn: David Bell/AFCEC CZPW  
Western Regional/Leg Branch  
510 Hickam Avenue, Bld 250-A  
Travis AFD, CA 94535-2729

U.S. Army  
Attn: Daniel J. Saelens  
G3 Force Integration  
P.O. Box 105100  
Fort Irwin, CA 92310

U.S. Army  
Attn: Tim Kilgannon, Reg 9 Coord  
Office of Strategic Integration  
721 - 19th Street, Room 427  
Denver, CO 80202

U.S. Navy  
Attn: Steve Chung, Plans & Liaison  
Officer  
1220 Pacific Highway  
San Diego, CA 92132-5190

U.S. Marine Corps  
Command Gen MCIWEST-MCB CamPen  
Attn: A/CS, G7  
Box 555010, Bldg 1160, Rm 280  
Camp Pendleton, CA 92055-5246

Los Angeles Audubon  
926 Citrus Avenue  
Los Angeles, CA 90036-4929

Center on Race, Poverty  
& the Environment  
5901 Christie Avenue, Suit 208  
Emeryville, CA 94608

Center on Race, Poverty  
& the Environmental/  
CA Rural Legal Assistance Foundation  
1012 Jefferson Street  
Delano, CA 93215

Defenders of Wildlife  
P.O. Box 401  
Folsom, CA 95763

Desert Tortoise Preserve Committee  
114 B S China Lake Blvd  
Ridgecrest, CA 93555

Native American Heritage Council  
of Kern County  
Attn: Gene Albitre  
18169 Highway 155  
Woody, CA 93287

Sierra Club/Kern Kaweah Chapter  
P.O. Box 3357  
Bakersfield, CA 93385

Southern California Edison  
Planning Dept.  
510 S. China Lake Blvd.  
Ridgecrest, CA 93555

Verizon California, Inc.  
Attn: Engineering Department  
520 South China Lake Boulevard  
Ridgecrest, CA 93555

David Laughing Horse Robinson  
P.O. Box 20849  
Bakersfield, CA 93390

Kern Valley Indian Council  
Attn: Robert Robinson, Chairperson  
P.O. Box 401  
Weldon, CA 93283

Kern Valley Indian Council  
Historic Preservation Office  
P.O. Box 401  
Weldon, CA 93283

Tejon Indian Tribe  
Attn: Curtis Alcantar  
4941 David Road  
Bakersfield CA 93307

Matthew Gorman  
The Gorman Law Firm  
1346 E. Walnut Street, Suite 220  
Pasadena, CA 91106

Joyce LoBasso  
P.O. Box 6003  
Bakersfield, CA 93386

Kevin Johnston  
2476 Buena Vista Avenue  
Livermore, CA 94550

Leadership Counsel for Justice &  
Accountability  
Attn: Emma De La Rosa  
1522 18<sup>th</sup> Street  
Bakersfield, CA 93301

LIUNA  
6800 District Boulevard  
Bakersfield CA 93313

Lozeau Drury LLP  
1939 Harrison Street, Suite 150  
Oakland, CA 94612

Terra-Gen Power, LLC  
Randy Hoyle  
11512 El Camino Real, Suite 370  
San Diego, CA 92130-3025

Renewal Resources Group  
Holding Company  
Rupal Patel  
113 South La Brea Avenue, 3rd Floor  
Los Angeles, CA 90036

Carol Lawhon  
Association Executive, IOM  
Tehachapi Area Assoc of Realtors  
803 Tucker Road  
Tehachapi, CA 93561

David Walsh  
22941 Banducci Road  
Tehachapi, CA 93561

Congentrix Sunshine, LLC  
Rick Neff  
9405 Arrowpoint Blvd  
Charlotte, NC 28273

Fotowatio Renewable Ventures  
Sean Kiernan  
44 Montgomery Street, Suite 2200  
San Francisco, CA 94104

EDP Renewables Company  
North America, LLC  
53 SW Yamhill Street  
Portland, OR 97204

Kate Kelly  
Kelly Group  
P.O. Box 868  
Winters, CA 95694

Structure Cast  
Larry Turpin, Precast Sales Manager  
8261 McCutchen Road  
Bakersfield, CA 93311

Attn: Bill Deaver  
Mojave Town Council  
Bill Deaver, President  
P.O. Box 1113  
Mojave, CA 93502-1113

Wind Stream, LLC  
Albert Davies  
1275 - 4th Street, No. 107  
Santa Rosa, CA 95404

Darren Kelly  
Sr. Business Manager  
Terra-Gen Power, LLC  
1095 Ave of the Americas – FL 25, Ste A  
New York, NY 10036-6797

Bill Barnes  
Dir of Asset Mgmt  
AES Midwest Wind Gen  
P.O. Box 2190  
Palm Springs, CA 92263-2190

Sarah K. Friedman  
Beyond Coal Campaign/Sierra Club  
1417 Calumet Avenue  
Los Angeles, CA 90026

Robert Burgett  
9261 - 60th Street, West  
Mojave, CA 93501

Lozeau Drury LLP  
1939 Harrison Street, Suite 150  
Oakland, CA 94612

**Pacific Gas and Electric Company**  
Electric Generation Interconnection (EGI)  
Department  
P.O. Box 770000  
Mail Code N9H  
San Francisco, CA 94177

Wayne Mayes  
Iberdrola Renewables  
Dir Tech Serv  
1125 NW Couch St, Ste 700, 7th Fl  
Portland, OR 97209

Michael Strickler  
Iberdrola Renewables, Sr Proj Mgr  
1125 NW Couch St, Ste 700, 7th Fl  
Portland, OR 97209

Recurrent Energy  
Seth Israel  
300 California Street, 8th Floor  
San Francisco, CA 94101-1407

Morongo Band of Mission Indians  
12700 Pumarra Road  
Banning, CA 92220

California Highway Patrol  
Planning & Analysis Division  
P.O. Box 942898  
Sacramento, CA 94298-0001

State Dept of Toxic Substance Control  
Environmental Protection Agency  
1515 Tollhouse Road  
Clovis, CA 93612

Cal Environmental Protection Agency/  
Dept of Toxic Substances Control, Reg 1  
Attn: Dave Kereazis, Permit Div - CEQA  
8800 Cal Center Drive, 2nd Floor  
Sacramento, CA 95826

## Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613  
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

|              |
|--------------|
| <b>SCH #</b> |
|--------------|

**Project Title:** Pappas Solar Project by Radiant BMT, LLC

|  |   |
|--|---|
| Lead Agency: Kern County Planning and Natural Resources Department | Contact Person: Andrea Calderon, Planner II |
| Mailing Address: 2700 M Street, Suite 100                          | Phone: 661-862-5029                         |
| City: Bakersfield Zip: 93301                                       | County: Kern County                         |

**Project Location:** County: Kern City/Nearest Community: Cantil  
 Cross Streets: Pappas Road and East Gail Avenue Zip Code: 93519  
 Longitude/Latitude (degrees, minutes and seconds): 117 ° 56 ' 47.69 " N / 35 ° 17 ' 42.46 " W Total Acres: 21.9  
 Assessor's Parcel No.: 181-321-04, 181-321-05 Section: 30 Twp.: 30S Range: 38E Base: M.D.B.M.  
 Within 2 Miles: State Hwy #: N/A Waterways: N/A  
 Airports: N/A Railways: Union Pacific Schools: N/A

**Document Type:**

|   |  |                                    |  |
|---|--|------------------------------------|--|
| CEQA: <input checked="" type="checkbox"/> NOP | <input type="checkbox"/> Draft EIR                 | NEPA: <input type="checkbox"/> NOI | Other: <input type="checkbox"/> Joint Document |
| <input type="checkbox"/> Early Cons           | <input type="checkbox"/> Supplement/Subsequent EIR | <input type="checkbox"/> EA        | <input type="checkbox"/> Final Document        |
| <input type="checkbox"/> Neg Dec              | (Prior SCH No.) _____                              | <input type="checkbox"/> Draft EIS | <input type="checkbox"/> Other: _____          |
| <input type="checkbox"/> Mit Neg Dec          | Other: _____                                       | <input type="checkbox"/> FONSI     | _____  |

**Local Action Type:**

|   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> General Plan Update    | <input type="checkbox"/> Specific Plan            | <input type="checkbox"/> Rezone                            | <input type="checkbox"/> Annexation     |
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Master Plan              | <input type="checkbox"/> Prezone                           | <input type="checkbox"/> Redevelopment  |
| <input type="checkbox"/> General Plan Element   | <input type="checkbox"/> Planned Unit Development | <input checked="" type="checkbox"/> Use Permit             | <input type="checkbox"/> Coastal Permit |
| <input type="checkbox"/> Community Plan         | <input type="checkbox"/> Site Plan                | <input type="checkbox"/> Land Division (Subdivision, etc.) | <input type="checkbox"/> Other: _____   |

**Development Type:**

|   |  |
|---|--|
| <input type="checkbox"/> Residential: Units _____ Acres _____                 | <input type="checkbox"/> Transportation: Type _____            |
| <input type="checkbox"/> Office: Sq.ft. _____ Acres _____ Employees _____     | <input type="checkbox"/> Mining: Mineral _____                 |
| <input type="checkbox"/> Commercial: Sq.ft. _____ Acres _____ Employees _____ | <input checked="" type="checkbox"/> Power: Type Solar PV MW 3  |
| <input type="checkbox"/> Industrial: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Waste Treatment: Type _____ MGD _____ |
| <input type="checkbox"/> Educational: _____                                   | <input type="checkbox"/> Hazardous Waste: Type _____           |
| <input type="checkbox"/> Recreational: _____                                  | <input type="checkbox"/> Other: _____                          |
| <input type="checkbox"/> Water Facilities: Type _____ MGD _____               |  |

**Project Issues Discussed in Document:**

|  |  |   |  |
|--|--|---|--|
| <input checked="" type="checkbox"/> Aesthetic/Visual         | <input checked="" type="checkbox"/> Fiscal                     | <input type="checkbox"/> Recreation/Parks                           | <input checked="" type="checkbox"/> Vegetation                             |
| <input checked="" type="checkbox"/> Agricultural Land        | <input checked="" type="checkbox"/> Flood Plain/Flooding       | <input checked="" type="checkbox"/> Schools/Universities            | <input checked="" type="checkbox"/> Water Quality                          |
| <input checked="" type="checkbox"/> Air Quality              | <input checked="" type="checkbox"/> Forest Land/Fire Hazard    | <input checked="" type="checkbox"/> Septic Systems                  | <input checked="" type="checkbox"/> Water Supply/Groundwater               |
| <input checked="" type="checkbox"/> Archeological/Historical | <input checked="" type="checkbox"/> Geologic/Seismic           | <input checked="" type="checkbox"/> Sewer Capacity                  | <input checked="" type="checkbox"/> Wetland/Riparian                       |
| <input checked="" type="checkbox"/> Biological Resources     | <input checked="" type="checkbox"/> Minerals                   | <input checked="" type="checkbox"/> Soil Erosion/Compaction/Grading | <input checked="" type="checkbox"/> Growth Inducement                      |
| <input type="checkbox"/> Coastal Zone                        | <input checked="" type="checkbox"/> Noise                      | <input checked="" type="checkbox"/> Solid Waste                     | <input checked="" type="checkbox"/> Land Use                               |
| <input checked="" type="checkbox"/> Drainage/Absorption      | <input type="checkbox"/> Population/Housing Balance            | <input checked="" type="checkbox"/> Toxic/Hazardous                 | <input checked="" type="checkbox"/> Cumulative Effects                     |
| <input checked="" type="checkbox"/> Economic/Jobs            | <input checked="" type="checkbox"/> Public Services/Facilities | <input checked="" type="checkbox"/> Traffic/Circulation             | <input checked="" type="checkbox"/> Other: Tribal Cultural; Greenhouse Gas |

**Present Land Use/Zoning/General Plan Designation:**

Undeveloped Vacant Land/ (A) Exclusive Agriculture / 8.5 Resource Management; 2.5 Flood Hazard/ 2.1 Seismic Hazard

**Project Description:** (please use a separate page if necessary)

The proposed Pappas Solar Project is a photovoltaic solar facility with the associated infrastructure capable of generating up to 3 megawatts (MW) of renewable energy on an approximate 21.9-acre proposed project site in the unincorporated area of eastern Kern County, California. The proposed project includes a land-use entitlement request for a Conditional use Permit (CUP) from the Kern County Planning and Natural Resources Department.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

## Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".  
If you have already sent your document to the agency please denote that with an "S".

|   |  |
|---|--|
| <input checked="" type="checkbox"/> Air Resources Board                 | <input type="checkbox"/> Office of Historic Preservation                     |
| <input type="checkbox"/> Boating & Waterways, Department of             | <input type="checkbox"/> Office of Public School Construction                |
| <input type="checkbox"/> California Emergency Management Agency         | <input type="checkbox"/> Parks & Recreation, Department of                   |
| <input checked="" type="checkbox"/> California Highway Patrol           | <input type="checkbox"/> Pesticide Regulation, Department of                 |
| <input checked="" type="checkbox"/> Caltrans District # <u>9</u>        | <input checked="" type="checkbox"/> Public Utilities Commission              |
| <input type="checkbox"/> Caltrans Division of Aeronautics               | <input checked="" type="checkbox"/> Regional WQCB # _____                    |
| <input checked="" type="checkbox"/> Caltrans Planning                   | <input type="checkbox"/> Resources Agency                                    |
| <input type="checkbox"/> Central Valley Flood Protection Board          | <input type="checkbox"/> Resources Recycling and Recovery, Department of     |
| <input type="checkbox"/> Coachella Valley Mtns. Conservancy             | <input type="checkbox"/> S.F. Bay Conservation & Development Comm.           |
| <input type="checkbox"/> Coastal Commission                             | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy |
| <input type="checkbox"/> Colorado River Board                           | <input type="checkbox"/> San Joaquin River Conservancy                       |
| <input checked="" type="checkbox"/> Conservation, Department of         | <input type="checkbox"/> Santa Monica Mtns. Conservancy                      |
| <input type="checkbox"/> Corrections, Department of                     | <input type="checkbox"/> State Lands Commission                              |
| <input type="checkbox"/> Delta Protection Commission                    | <input type="checkbox"/> SWRCB: Clean Water Grants                           |
| <input type="checkbox"/> Education, Department of                       | <input checked="" type="checkbox"/> SWRCB: Water Quality                     |
| <input checked="" type="checkbox"/> Energy Commission                   | <input type="checkbox"/> SWRCB: Water Rights                                 |
| <input checked="" type="checkbox"/> Fish & Game Region # <u>Fresno</u>  | <input type="checkbox"/> Tahoe Regional Planning Agency                      |
| <input type="checkbox"/> Food & Agriculture, Department of              | <input checked="" type="checkbox"/> Toxic Substances Control, Department of  |
| <input type="checkbox"/> Forestry and Fire Protection, Department of    | <input checked="" type="checkbox"/> Water Resources, Department of           |
| <input type="checkbox"/> General Services, Department of                | <input type="checkbox"/> Other: _____  |
| <input type="checkbox"/> Health Services, Department of                 | <input type="checkbox"/> Other: _____  |
| <input type="checkbox"/> Housing & Community Development                |  |
| <input checked="" type="checkbox"/> Native American Heritage Commission |  |

### Local Public Review Period (to be filled in by lead agency)

Starting Date March 6, 2026 Ending Date April 6, 2026

### Lead Agency (Complete if applicable):

|                        |                       |
|------------------------|-----------------------|
| Consulting Firm: _____ | Applicant: _____      |
| Address: _____         | Address: _____        |
| City/State/Zip: _____  | City/State/Zip: _____ |
| Contact: _____         | Phone: _____          |
| Phone: _____           |                       |

Signature of Lead Agency Representative: Andrea Calderon

Digitally signed by Andrea Calderon  
Date: 2026.02.27 08:23:42 -08'00'

Date: 3/6/2026

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

# NOTICE OF PREPARATION

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## **Pappas Solar Project by Radiant BMT, LLC**

Conditional Use Permit No. 6, Map 134

**PLN21-02334  
(PP24406)**

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# INTRODUCTION

Pursuant to the California Environmental Quality Act (CEQA), the Kern County Planning and Natural Resources Department (County) will initiate the preparation of an Environmental Impact Report (EIR) for the Pappas Solar Project in the unincorporated area of eastern Kern County, California.

## 1. Project Description

### 1.1. Project Proposal

The Pappas Solar Project (proposed project) is a proposal by Radiant BMT LLC (project proponent) to construct and operate a 3-megawatt (MW) ground-mounted photovoltaic (PV) solar facility. The proposed project consist of two privately owned parcels which combined equal approximately 36.92 acres; however, only portions of those two parcels are included in the proposed project boundary for the Conditional Use Permit which would equal a total of 21.9 acres located in the desert region of unincorporated eastern Kern County, California. See **Figure 1**, *Vicinity Map*.

The proposed project's permanent facilities would include solar panels, solar racking, inverters, service roads, a power collection system, communication cables, overhead and underground distribution lines, internal access roads, electrical switchgear, one onsite meteorological station, and an operations and maintenance (O&M) facility. Power generated by the proposed project would be delivered to the Southern California Edison (SCE) Cantil substation and sold in the wholesale power market to electricity providers such as utilities, municipalities, or other purchasers.

At the end of the proposed project's anticipated operational life of up to 35 years, the project proponent would determine at that time whether the proposed project should be decommissioned and deconstructed or if it would seek an extension of its operation and the appropriate permitting pathways. If any portion of the proposed project site is decommissioned, all structures would be removed to facilitate conversion of the proposed project site to other uses in accordance with the applicable land use regulations in effect at that time.

The proposed project includes the following land-use entitlements from the Planning and Natural Resources Department:

- (a) Conditional Use Permit (CUP No. 6, Map 134) to allow for the construction and operation of a PV solar facility with the associated infrastructure to generate up to 3 MW of renewable electrical energy on approximately 21.9 acres in A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.

### 1.2. Project Location

The proposed project site is approximately 2.5 miles east of the town of Rancho Seco, California and 2 miles southeast of the unincorporated town of Cantil, California in eastern Kern County. It is located in the southern half of the northwestern quarter of Section 30 of Township 30 South, Range 38 East of the Mount Diablo Base and Meridian (MDB&M). The proposed site is also depicted on the 2011 Cantil, California, United States Geological Survey (USGS) 7.5-minute topographic quadrangle. See **Figure 1**, *Vicinity Map* and **Figure 2**, *Aerial Map*.



Regional access is granted from State Route (SR) 14, which is approximately 4.3 miles southeast from the proposed project site. Direct access to the proposed project site is from the intersection of Pappas Road and East Gail Avenue.

### 1.3. Environmental Setting

The proposed project site is currently undeveloped and has historically been used for agricultural and grazing purposes. The remains of a former livestock ranch are present in the southwest portion of the proposed project area and will be avoided. Development in the area surrounding the proposed project site is primarily used for rural residential, agricultural, undeveloped land, and large-scale renewable energy purposes. Sensitive receptors within the proposed project area consist of rural residential dwellings located at varying distances with the nearest sensitive receptor being a residence located approximately 830 feet north of the proposed project site.

The proposed project area has a relatively flat terrain with a site elevation of approximately 1,945 feet above mean sea level (AMSL). Soils include Rosamond clay loam, saline-alkali (deep), which are well drained soils that are very low in organic matter, often utilized as desert range or irrigated cropland. Desert vegetation dominates the regional landscape of the proposed project area and is comprised of creosote bush scrub and desert saltbush scrub vegetation, with desert wash scrub. The proposed project area is vacant agricultural land with limited vegetation and does not exhibit wetland or overstory vegetation. The proposed project site is within Agricultural Preserve No. 17 and is not subject to a Williamson Act Land Use contract.

The majority of the proposed project site is designated as Zone “A” on the Flood Insurance Rate Map (FIRM), as issued by the Federal Emergency Management Agency (FEMA), which indicates a special flood hazard area. See **Figure 3, Floodplain Map**.

The proposed project site is not within a mineral recovery area or within a designated mineral and petroleum resource site designated by the Kern County General Plan, nor is it identified as a Mineral Resource Zone by the Department of Conservation’s State Mining and Geology Board. Additionally, it is not located within the County’s NR (Natural Resources) or PE (Petroleum Extraction) Zone Districts, and based on a review of records maintained by the California Department of Conservation/California Department of Conservation Geologic Energy Management Division (CalGEM), there are no oil wells identified on site.

Per the Kern County Airport Land Use Compatibility Plan (ALUCP), no portion of the proposed project site is in any nearby airport Sphere of Influence (SOI). The nearest public airport is California City Municipal Airport approximately 14 miles south of the proposed project site.

The proposed project would be served by the Kern County Sheriff’s Office (KCSO) for law enforcement and public safety, Kern County Fire Department (KCFD) for fire protection, and Kern County Medical Emergency Service for emergency medical and rescue services. The nearest KCSO substation is located at 1771 Highway 58 in the community of Mojave approximately 24 miles southwest. The nearest KCFD fire station (Station No. 85) is located at 26804 Butte Avenue in the community of Randsburg approximately 21 miles northeast. The nearest hospital is the Adventist Health Tehachapi Valley Hospital located at 1100 Magellan Drive in the city of Tehachapi, which is approximately 39 miles southwest of the proposed project site. The nearest school is Robert P. Ulrich Elementary located at 9124 Catalpa Avenue in California City, which is approximately 15 miles south of the proposed project site.

The proposed project site is within the administrative boundaries of the Kern County General Plan (KCGP), with land use designations of 8.5/2.5 (Resource Management, Min. 20 Acre/Flood Hazard), and 8.5/2.1 (Resource Management, Min. 20 Acre/Seismic Hazard), and has a zone classification of A (Exclusive



Agriculture), as shown in **Table 1**, *Project Assessor Parcel Numbers (APNs), Zone Map, APN Acreages, Acreages Included in CUP Boundary, Existing Map Code Designation, and Existing Zoning Classification*. See **Figure 4**, *Existing General Plan Map*; **Figure 5**, *Existing Zone Classifications*; and **Figure 6**, *Assessor’s Parcelization Map*.

**Table 1: Project Assessor Parcel Numbers (APNs), Zone Map, APN Acreages, Acreages Included in CUP Boundary, Existing Map Code Designation, and Existing Zoning Classifications**

| APN        | Zone Map | APN Acreages | Acreages Included in CUP Boundary | Existing Map Code Designation | Existing Zoning Classification |
|------------|----------|--------------|-----------------------------------|-------------------------------|--------------------------------|
| 181-321-04 | 134      | 16.68        | 13.5                              | 8.5/2.5                       | A                              |
| 181-321-05 | 134      | 20.24        | 8.4                               | 8.5/2.1                       | A                              |

**Kern County General Plan (KCGP) Map Code Designation:** 8.5 (Resource Management, Min. 20 Acre Parcel Size); 2.1 (Seismic Hazard); 2.5 (Flood Hazard)

**Kern County Zone District:** A (Exclusive Agriculture)

**Table 2**, *Project Site and Surrounding Land Uses*, below provides descriptions of the proposed project site and surrounding land uses.

**Table 2: Project Site and Surrounding Land Uses**

| Area                | Existing Land Use  | Existing General Plan Map Code Designation | Existing Zoning Classification |
|---------------------|--|--|--------------------------------|
| <b>Project Site</b> | Vacant   | 8.5/2.5<br>8.5/2.1                         | A                              |
| <b>North</b>        | Vacant, undeveloped agricultural land                          | 8.5  | A                              |
| <b>East</b>         | Vacant, undeveloped agricultural land                          | 8.5  | A                              |
| <b>South</b>        | Vacant, undeveloped agricultural land                          | 8.5  | A                              |
| <b>West</b>         | Vacant, undeveloped agricultural land, and a private residence | 8.5  | E (20) RS                      |

**Kern County General Plan (KCGP) Map Code Designation:** 8.5 (Resource Management, Min. 20 Acre Parcel Size); 8.5/2.5 (Resource Management, Min. 20 Acre Parcel Size/Seismic Hazard/Flood Hazard); 8.5/2.1 (Resource Management, Min. 20 Acre Parcel Size/Seismic Hazard)

**Kern County Zoning District:** A (Exclusive Agriculture) and E (20) RS (Estate 20 Acres, Residential Suburban Combining)

## 1.4 Project Characteristics

The proposed project’s characteristics would include the following, which are described in greater detail below and shown on **Figure 7**, *Proposed Site Plan*.

- Installation of solar PV generating facilities and module configuration



- Installation of combiners, inverters, and transformers
- Installation of a medium-voltage collection system
- Switchyard and generation transmission
- Operations and Maintenance (O&M) Facility
- Site Access and Security

#### ***1.4.1 Solar PV Generating Facilities and Module Configuration***

The proposed project facilities would use photovoltaic panels or modules on steel support mounting frameworks to convert sunlight directly into electricity. PV modules would be electrically connected into strings, with each string connected to combiner boxes located throughout the solar field. Cables from the combiner boxes consolidate again to feed the direct current (DC) electricity into inverters that convert the DC to alternating current (AC).

The proposed project would utilize single-axis PV trackers with approximately 6,700 high-efficiency solar panels. All panels would be oriented in the same direction as they track the sun's movement. By design, the PV cells absorb sunlight to produce electricity. The solar panels reflect about one-quarter the amount of light compared to standard residential and commercial glass, thereby minimizing glare. In addition, the solar panels are rotated from a 60-degree angle eastward to a 60-degree angle westward, which avoids the reflectance of light towards a ground-level observer on adjacent property.

The panels would be configured into trackers, and the trackers configured into blocks. Each block or array is comprised of trackers with north-south oriented rows of PV panels that rotate from level up to 60 degrees from east to west to follow the daily motion of the sun with the center of rotation being approximately six feet above grade. When rotated to their maximum angle, the maximum height of the edge of the PV panels would be nine and a half feet.

Torque tubes act as the horizontal support for the PV panels and are in turn supported by micro piles which are driven or screwed directly into the ground and are able to withstand high-wind conditions. The micro-piles are screwed in or driven into the ground using equipment similar to that used to install typical fence posts. The metal structural elements would be constructed of corrosion-resistant galvanized steel.

#### ***1.4.2 Combiners, Inverters, and Transformers***

Individual PV panels would be connected in series to create a "string" to carry DC electricity. Multiple DC strings would be brought together into a combiner box to merge the strings into a single cable and provide overcurrent protection. From the combiner boxes, the cabling would run to inverters distributed across the project site. The inverters would take the DC output from the combiner boxes and convert it to AC electricity. The AC electricity voltage would then be increased using a transformer. The inverters and transformers, as well as other electrical equipment, would be mounted on concrete equipment pads and stored in steel enclosures.

#### ***1.4.3 Medium-Voltage Collection System***

A combination of underground cabling and overhead electrical distribution lines would be used to transport electricity from the PV panels to the main collection point for the system which would be routed to the combiner boxes to the inverters to the Medium-Voltage (MV) transformers, through the MV collection system to the grid.



The medium voltage collection system would be a combination of overhead and underground power lines. The medium voltage collection lines would begin at the inverter/transformer pads and run in trenches until the output is gathered and transferred at risers, typically located at the edge of the solar array, to an overhead medium voltage collection line.

The underground sections would be constructed using direct-buried cable in triplex configuration with three individual conductors twisted around one another. The underground cables would have cross-linked polyethylene (XLPE) - type insulation and would be fully shielded. Trenches would be one foot wide and up to three feet in depth. All distribution facilities, towers, poles, and lines would be constructed in accordance with and comply with all applicable policies. The overhead sections would be constructed on wooden poles. The overhead conductors would be aluminum with a nonreflective surface to minimize visual impact. All medium voltage collection circuits, overhead and underground, would be designed and constructed according to CPUC General Order-95, the National Electric Safety Code, and any applicable local codes.

#### ***1.4.4 Switchyard and Generation Transmission Lines***

The project substation is a switchyard on the project site that steps up voltage of power produced by the project to the 33 kV voltage of Southern California Edison's (SCE) distribution system.

Less than one mile north of the project is SCE's Cantil distribution substation which steps voltage down to 12kV to serve local loads in the area. SCE's 33-kV distribution circuit runs north to south along Pappas Road on the west side of the project. From the project site, the 33kV distribution circuit travels south toward California City and north and then east to Randsburg. The circuit ties into the high voltage transmission system at SCE's Randsburg substation.

#### ***1.4.5 Operations and Maintenance Facility***

The proposed project includes a 400-square foot storage container (40'x10') to use as an operations and maintenance facility. No office space is intended onsite or offsite. The project facilities would be capable of automatic start up, shutdown, self-diagnosis, and fault detection. The onsite O&M is to store equipment needed to facilitate rapid repair of equipment, vegetation control, and periodic panel washing as needed.

#### ***1.4.6 Site Access and Security***

As part of the proposed project, an access road will be constructed from Pappas Road that bisects the two solar arrays and circles the outside perimeter of the solar arrays. No parking is expected to be generated by the proposed use. Construction and operation traffic would access the proposed project site from Pappas Road. Driveways and entrances would be constructed in accordance with Kern County improvement standards. Any off-site roadway improvements would be constructed in conformance with Caltrans and/or County and/or City codes and regulations, as necessary and applicable.

The proposed project site would be enclosed with a vertical mesh galvanized perimeter security fence that meets National Electric Safety Code requirements for protective arrangements in electric supply stations and considers wildlife passage needs. The fence would typically be set 30 feet from the edge of the solar arrays, and on or immediately adjacent to the property line, and would be a minimum of seven feet high. Lighting for the project would largely be limited to the inverter(s) within the array. Light fixtures would be mounted on poles and/or building mounted and would be dark colored.



## **1.5 Construction Activities**

Onsite construction activities are anticipated to be completed over a 24-month period. The construction activities for the proposed project are categorized into four main phases:

- (1) Perimeter fencing and access roads;
- (2) Site grading and panel installation;
- (3) Construction of the electrical facilities and solar array assembly ; and
- (4) Tracker installation and electrical wiring.

### ***1.5.1 Perimeter Fencing and Access Roads***

Onsite construction activities would begin with perimeter fencing and access roads. The proposed project site would be enclosed with a seven-foot-high minimum, vertical mesh, galvanized perimeter security fence that considers wildlife passage needs. The fence would typically be set 30 feet from the edge of the solar arrays or immediately adjacent to the property line. Access roads include a 20-foot-wide access road that begins on the west side of the project's 20-foot access gate and travels east, connecting to a 12-foot-wide perimeter fire access road on the southeast end of the project. The fire access road encircles the project site, connecting to the 20-foot-access road at the entrance.

### ***1.5.2 Clearing, Site Preparation, and Staging***

The proposed project site is considered level with minor spot or fine grading only needed in limited areas to smooth the soil surface. Mass grading would not be required. Trenching for placing underground cables and shallow excavations for constructing foundations would be required. Installation of the electrical collection system would require excavations to a depth of about three feet for underground electrical circuits, inverter and switchgear enclosure foundations, and transformer foundations. Foundations for gentle poles would be augured to depths of six feet for medium-voltage overhead lines, depending on structural loads and soil conditions. The material laydown and staging areas would be compacted dirt or gravel (depending on weather conditions) and fenced. Each staging area would be converted to solar arrays as construction progresses.

A Storm Water Pollution Prevention Plan (SWPPP) incorporating best management practices for erosion control must be prepared and approved prior to the start of construction. During site preparation the SWPPP would be implemented, which includes preliminary erosion and sediment control best management practices (BMPs).

### ***1.5.3 Installation and Construction***

Solar array assembly includes pile installation and tracker assembly. It would start with steel foundation piles being driven into the soil using pneumatic techniques. The piles are typically spaced approximately 20 feet apart and installed to a height of approximately four feet above grade. Support piles are expected to be installed using impact or vibratory hammers similar to those used to install fence posts. These hammers can be mounted onto a variety of small, powered equipment depending on the soil conditions. In some circumstances with rocky soil, supports must be screwed instead. Commonly used equipment includes crawlers and excavators. Using a crawler, a single operator drives the posts and moves the machine. An



excavator requires a team of three workers to set a pile and drive it to the depth required. Vibration from pile driving with the type of equipment proposed is expected to be minimal. No blasting is required.

Small truck-mounted cranes or grade-all forklifts would place trackers on the support piles. Tracker installation would include small all-terrain vehicles to transport materials and workers on access roads would array the aisles. Tracker assembly will include one to two small gas-powered generators to power welding machines to assemble trackers. The PV panels are manufactured off-site and would be shipped to the proposed project site ready for installation. When about half of the rows in a block are installed, an electrical team would move in to set and wire equipment.

### ***1.5.4 Schedule and Workforce***

An average of 10 and a maximum of 20 construction workers per day would be onsite during construction of the solar PV facility. The average daily workforce onsite is expected to be approximately 6 construction workers, 1 to 2 supervisory workers, 2 support workers, and 1 construction management person during construction. Construction workers would visit the proposed project site to prepare and grade, assemble and install racking systems, mount solar modules, verify alignment and tilt, and install conduit, wiring, combiner, junction boxes, and inverters. The workers would also build fencing and lighting, trench and backfill, test electrical systems, and ensure mechanical integrity of the solar facility. Workers would gain access to the proposed project site using Pappas Road. The majority of project-generated jobs would be from the local and regional area and would occur on a temporary and short-term basis. Construction workers are expected to travel to the proposed project site from various local communities and locations throughout Southern California, and few, if any, are expected to relocate to the surrounding area because of these temporary jobs.

Construction would generally occur during daylight hours, Monday through Friday, between 6:00 a.m. and 5:00 p.m. The proposed project would be constructed by several specialized construction contractors, with construction activities taking place as specified in the County's Code of Ordinances, Chapter 8.36, as required to meet the construction schedule. Construction activities are allowable between the hours of 6:00 a.m. and 9:00 p.m. on weekdays and between the hours of 8:00 a.m. and 9:00 p.m. on weekends. Limited night and weekend construction may occur on occasion depending on schedule and heat considerations. Temporary portable lighting may be used as needed when construction begins or ends in dark conditions.

Concrete foundations may be poured for the tracker drive motors, inverter skids, and transformer pads. Concrete would be purchased from a local concrete batch plant that would be identified based on cost considerations at the time building permits are approved. Limited amounts of water would be required during construction to support concrete mixing, dust control, module washing, and sanitary.

During construction, a variety of equipment and vehicles would be utilized. Construction equipment and vehicles would be operational during the hours of project construction in the sequence of phases for the 24-month construction period.

Only non-hazardous waste would be generated during project construction including vegetative debris from site clearing, common household trash, cardboard, wood pallets, copper wire, scrap metal, and wood wire spools. As much of the waste as feasible would be recycled.

Although construction is not expected to generate hazardous waste, field equipment used during construction would contain various hazardous materials such as diesel fuel, hydraulic oil, grease, solvents, adhesives, paints, and other petroleum-based products. These items would be separated, placed in secure



bins or drums, and removed from the proposed project site for disposal consistent with applicable local and state regulations.

### ***1.5.5 Construction Water Use***

During construction of the proposed project, a limited amount of water would be required for common construction-related purposes, including but not limited to dust suppression, soil compaction, and grading. Dust-control water may be used for ingress and egress of onsite construction vehicle equipment traffic and for the construction of the solar equipment. It is anticipated that with twice per day waterings of disturbed areas, approximately 0.5 acre-feet (approximately 163,000 gallons) would be required over the course of the 24-month construction period.

A sanitary water supply would not be required during construction because restroom facilities would be provided by portable units to be serviced by licensed providers.

### ***1.5.6 Construction Electrical Supply***

The proposed project would require power for electrical enclosures, tracker motors, associated structures, and for lighting and security. Power required for construction activities would be provided via portable generators or temporary local distribution. Generators used onsite would abide by the California Air Resources Board and the Eastern Kern Air Pollution Control District rules and regulations.

## **1.6 Operations**

The proposed project would operate year-round and would be capable of automatic start up, shutdown, self-diagnosis, and fault detection. No heavy equipment would be used during normal operations. For routine and unscheduled maintenance visits, vehicles may include trucks (pick-up, flatbed), forklifts, and loaders. Typical operational and maintenance activities that would occur onsite include, but are not limited to, liaison and remote monitoring; administration and reporting; semi-annual and annual services; remote operations of inverters and back up batteries; site security and management; additional communication protocol; repair and maintenance of solar facilities, substations, electrical distribution lines, and other project facilities; mowing and vegetation control; and periodic panel washing.

### ***1.6.1 Operation Water Use***

Groundwater would be used to supply the operational water needs of the proposed project. An agricultural well onsite would be used to supply water for the proposed project's operation and maintenance needs. The solar panels would be washed approximately twice per year. Each panel would require approximately 1.1 gallons of water per year. With approximately 6,700 modules, an estimate of total annual water demand would be approximately 7,370 gallons of water. Additionally, periodic application of water to exposed disturbed surface areas would be utilized to control fugitive dust during construction and would be delivered via truck to the proposed project site. Water will not be stored or utilized onsite for fire suppression.

### ***1.6.2 Operation Electrical Supply***

The proposed project would require power for electrical enclosures, tracker motors, associated structures, and for lighting and security. Power for operational and maintenance activities would be provided by the proposed project's electrical generation or supplied by the local power provider.



## 1.7 Decommissioning

Upon the end of the project service life, which is assumed to be 35 years, Radiant BMT, LLC would determine whether the project site should be decommissioned and deconstructed or if it would seek an extension of its CUP for the solar facility. All decommissioning and restoration activities would adhere to the requirements of the appropriate governing authorities and in accordance with all applicable federal, state, and County regulations. The site could then be converted to other uses in accordance with the applicable land use regulations in effect at that time.

It is anticipated that during project decommissioning, project structures would be removed from the ground on the site. Aboveground equipment that would be removed would include module posts and support structures, onsite distribution poles that are not shared with third parties, and the collection system within the site; inverters, transformers, electrical wiring, and equipment on the inverter pads.

Equipment would be de-energized prior to removal, salvaged (where feasible), placed in appropriate shipping containers, and secured in a truck transport trailer for shipment offsite to be recycled or disposed of at an appropriately licensed disposal facility. Removal of the solar modules would include removing the racks on which the solar panels are attached and placing them in secure transport crates and a trailer for storage for ultimate transportation to another facility or to a recycling or disposal facility. Once the solar modules have been removed, the racks would be disassembled and the structures supporting the racks would be removed. Site infrastructure would be removed, including any fences, concrete pads that may support the inverters, transformers, and related equipment. The demolition debris and removed equipment may be cut or dismantled into pieces that can be safely lifted or carried with the equipment being used.

The project would include BMPs to ensure the proper collection and recycling or disposal of modules. The majority of the components of the solar installation are made of materials that can be readily recycled. The silicon can be recovered, the aluminum resold, and the glass recycled. Other components of the solar installation, such as the tracker structures and mechanical assemblies, can be recycled as they are made from galvanized steel. Equipment such as drive controllers, inverters, transformers, and switchgear can be either reused or their components recycled. The equipment pads are made from concrete that can be crushed and recycled. Underground conduit and wire can be removed by uncovering trenches and backfilling when done. Electrical wiring is made from copper or aluminum and can be reused or recycled.

## 1.8 Applicant Provided Project Objectives

The project proponent has defined the following objectives for the proposed project:

- Construct a 3 MW solar energy facility that would produce approximately 9,454 megawatt hours (MWh) electricity annually in order to help meet state and federal renewable energy goals;
- Assist in achieving California's goal to have 60 Percent Renewable Energy by 2030 and greenhouse gas emissions reduction objectives to the maximum extent possible;
- Assist Kern County in promoting its role as the State's leading producer of renewable energy;
- Produce economic benefits by creating construction jobs; locate solar power plant facilities as near as possible to existing electrical distribution facilities with anticipated capacity;
- Site the project in an area with excellent solar energy resource capabilities, in order to maximize productivity from the photovoltaic panels;



- To the extent feasible, site the project on flat land that is disturbed or previously degraded;
- Promote the County’s General Plan goals and policies designed to protect the County’s environment and economy; and
- Ensure that power can be provided at a competitive price.

### 1.9 Proposed Discretionary Actions/Required Approvals

The Kern County Planning and Natural Resources Department as the CEQA Lead Agency (per CEQA Guidelines Section 15052) has discretionary responsibility for the Pappas Solar project by Radiant BMT, LLC. To implement this proposed project, the project proponent may need to obtain the following discretionary and ministerial permits/approvals, but not be limited to:

- **Federal**
  - U.S. Fish and Wildlife Service (USFWS) Section 10 Incidental Take Permit and Habitat Conservation Plan (if required).
  - U.S. Army Corps of Engineers, Section 404 Permit (if required)
- **State**
  - California Public Utilities Commission (CPUC)
  - Approval under General Order 131E (if required)
    - Public Utilities Crossing/Encroachment Agreements
    - Section 851 Permit
  - California Department of Fish and Wildlife (CDFW)
    - Section 2081 Permit (State-listed endangered species) (if required)
    - Section 1600 et seq. (Lake and Streambed Alteration Agreement) (if required)
  - California State Water Resources Control Board (Kern County Subbasin)
    - Regional Water Quality Certification (401 Permit) (if required)
    - National Pollution Discharge Elimination System (NPDES) Construction General Permit
    - General Construction Stormwater Permit (Preparation of a SWPPP)
  - California Department of Transportation (Caltrans)
    - Right-of-Way Encroachment Permit (if required)
    - Permit for Transport of Oversized Loads

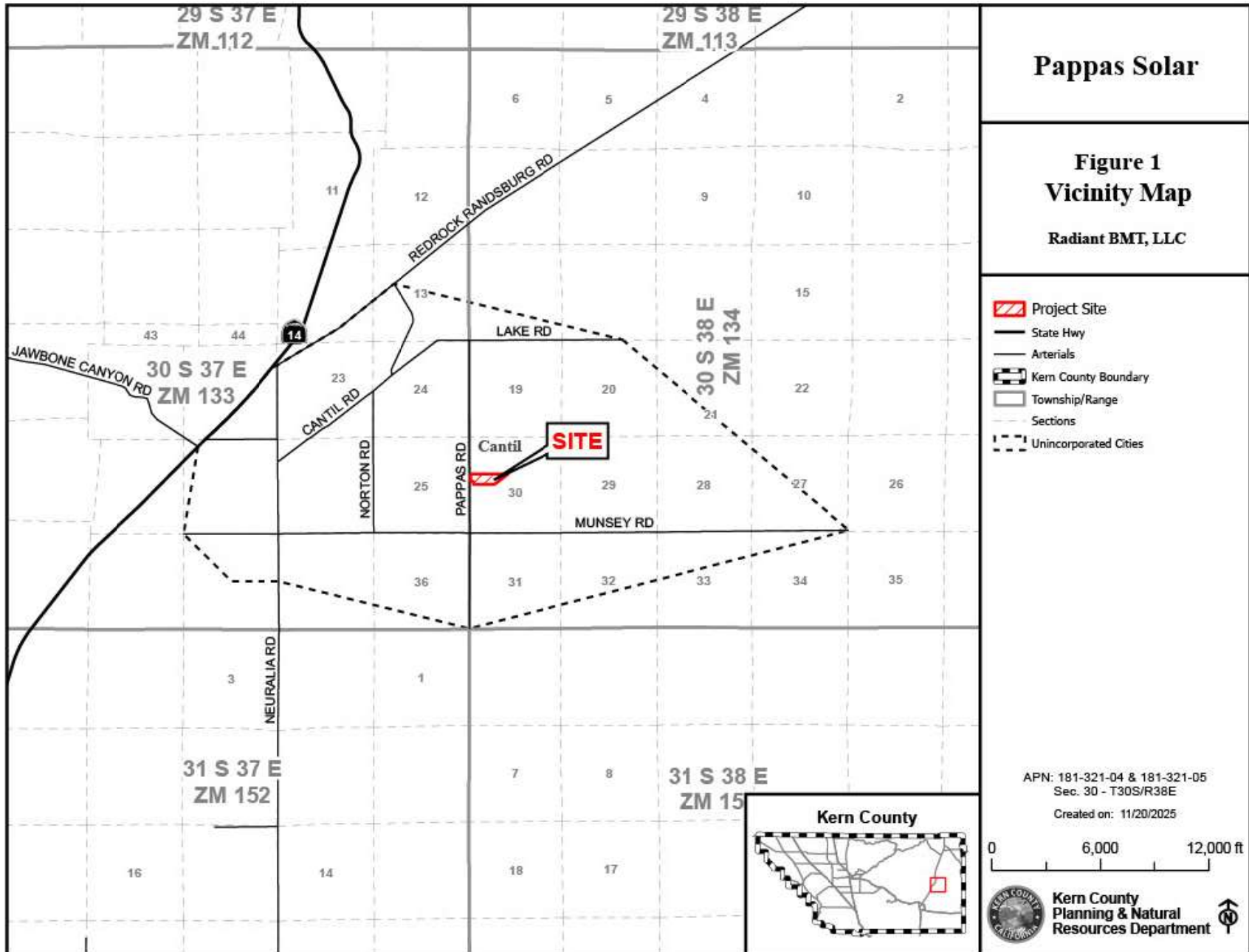


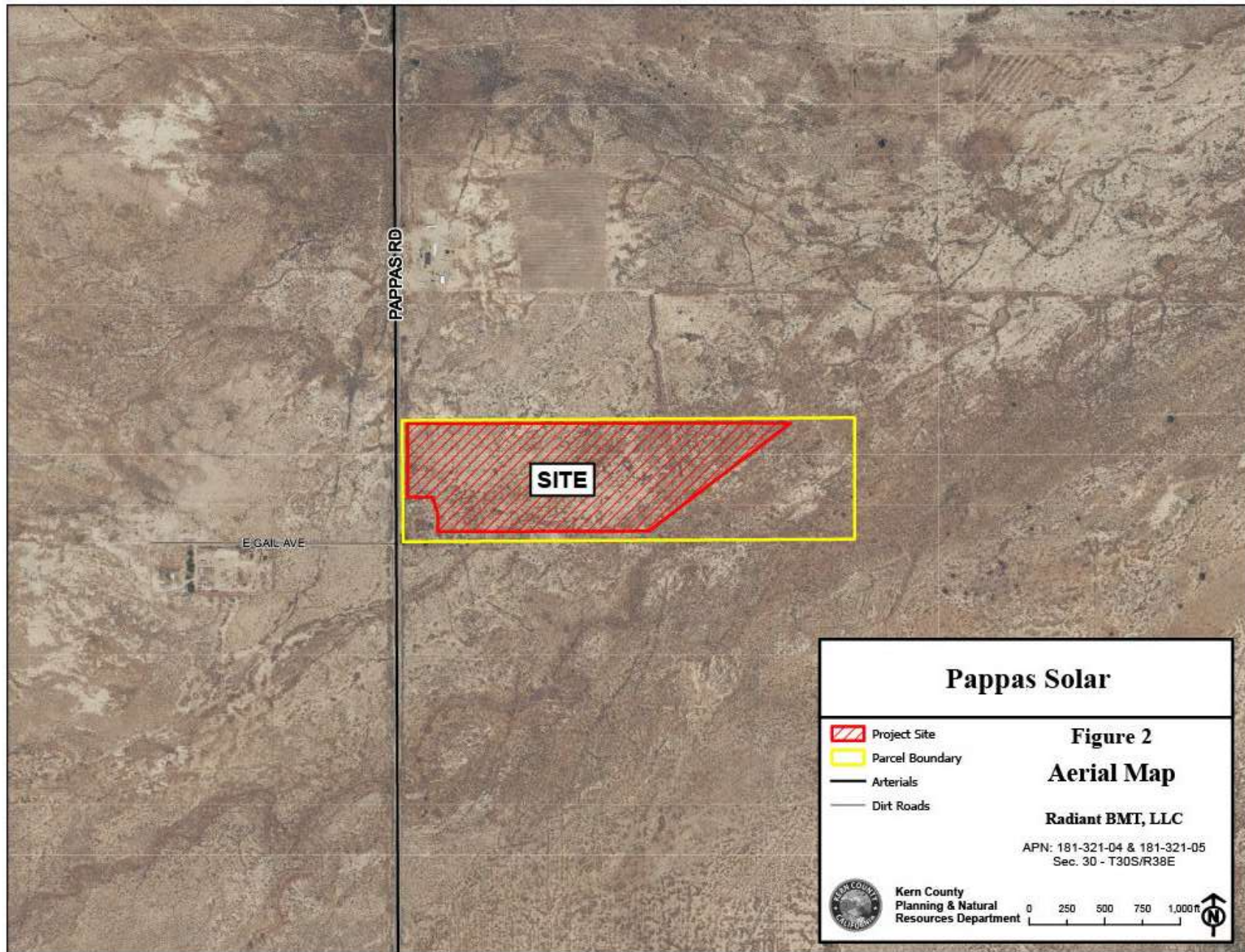
- **Local**
  - Kern County
    - Consideration and Certification of Final Environmental Impact Report
    - Adoption of 15091 Findings of Fact and 15093 Statement of Overriding Considerations
    - Adoption of Mitigation Monitoring and Reporting Program
    - Approval of Conditional Use Permit for the project site
    - Approval of Kern County Grading and Building Permits
    - Approval of Kern County Encroachment Permits
    - Approval of Fire Safety Plan
  - East Kern Air Pollution Control District
    - Approval of Fugitive Dust Control Plan
    - Authority to Construct (ATC)
    - Permit to Operate (PTO)

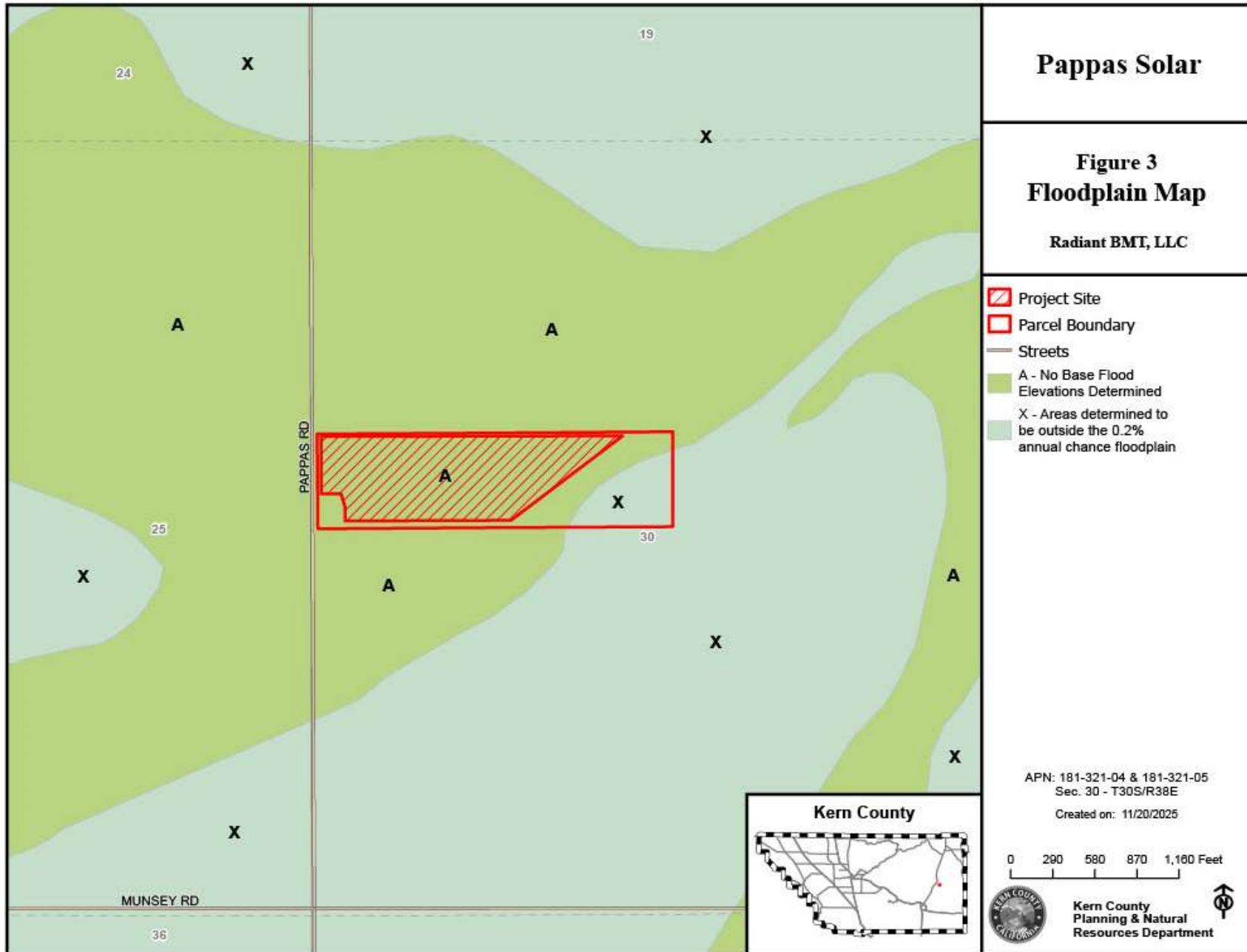
The preceding discretionary actions/approvals are potentially required and do not necessarily represent a comprehensive list of all possible discretionary permits/approvals required. Other additional permits or approvals from responsible agencies may be required for the proposed project.

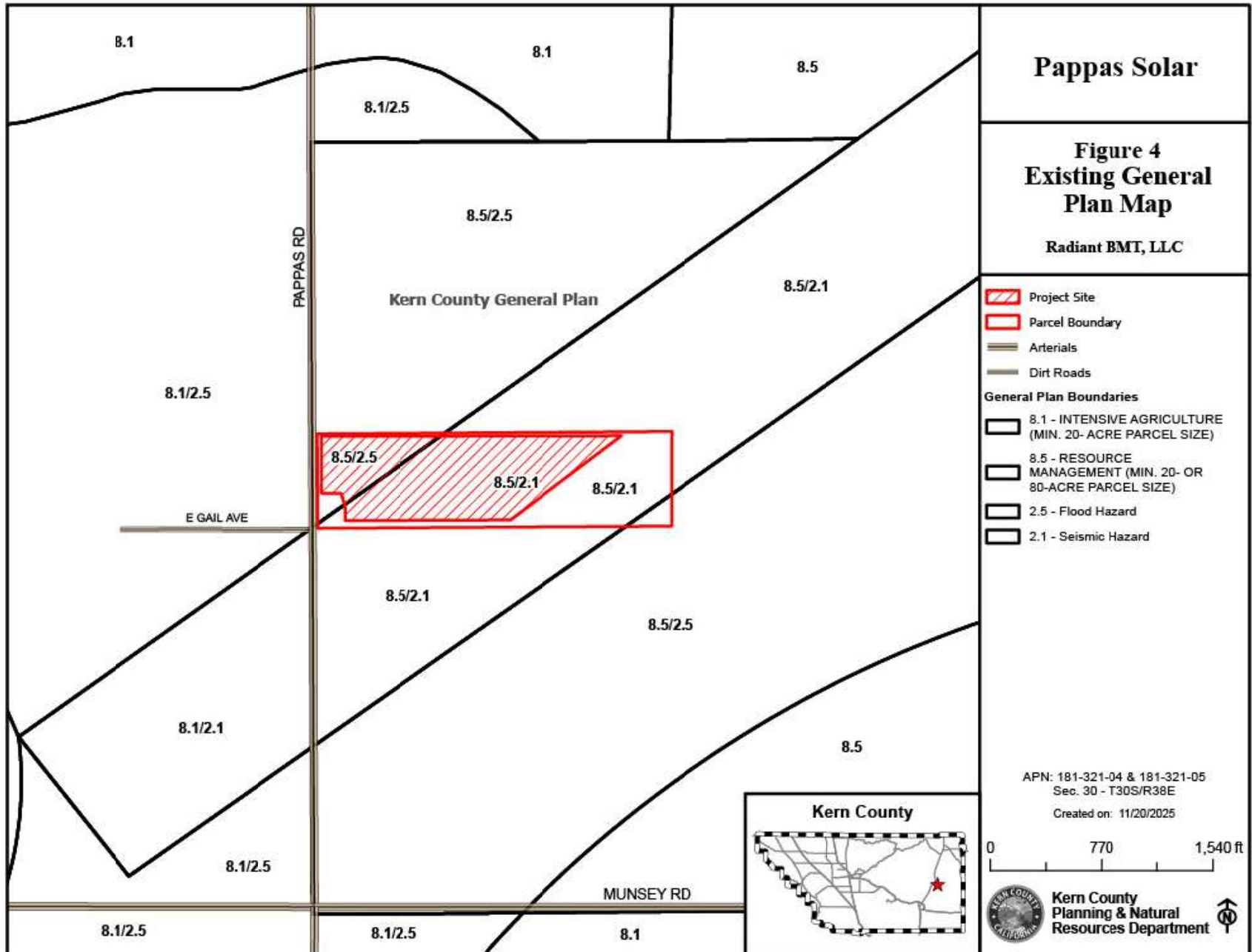


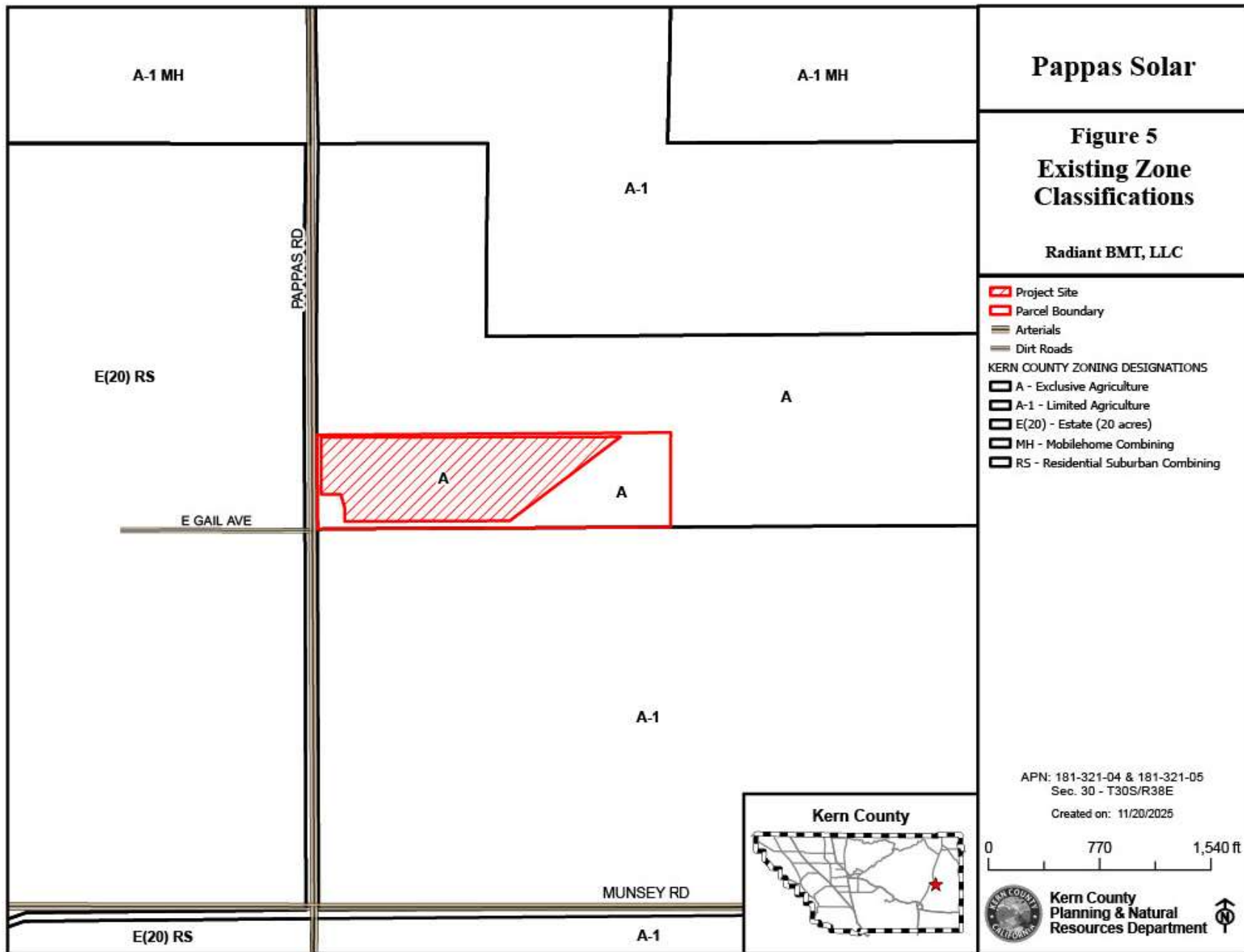
# Maps

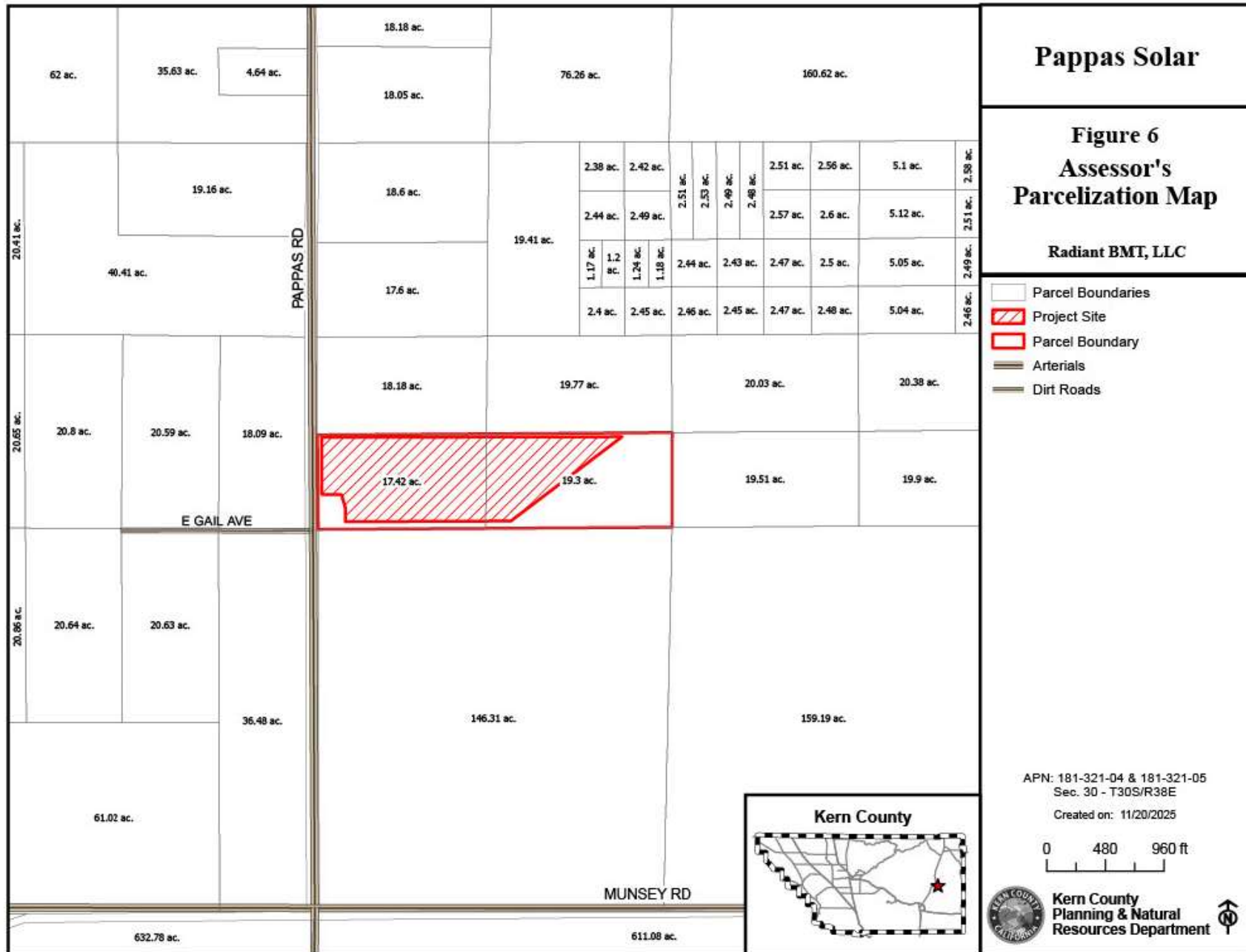


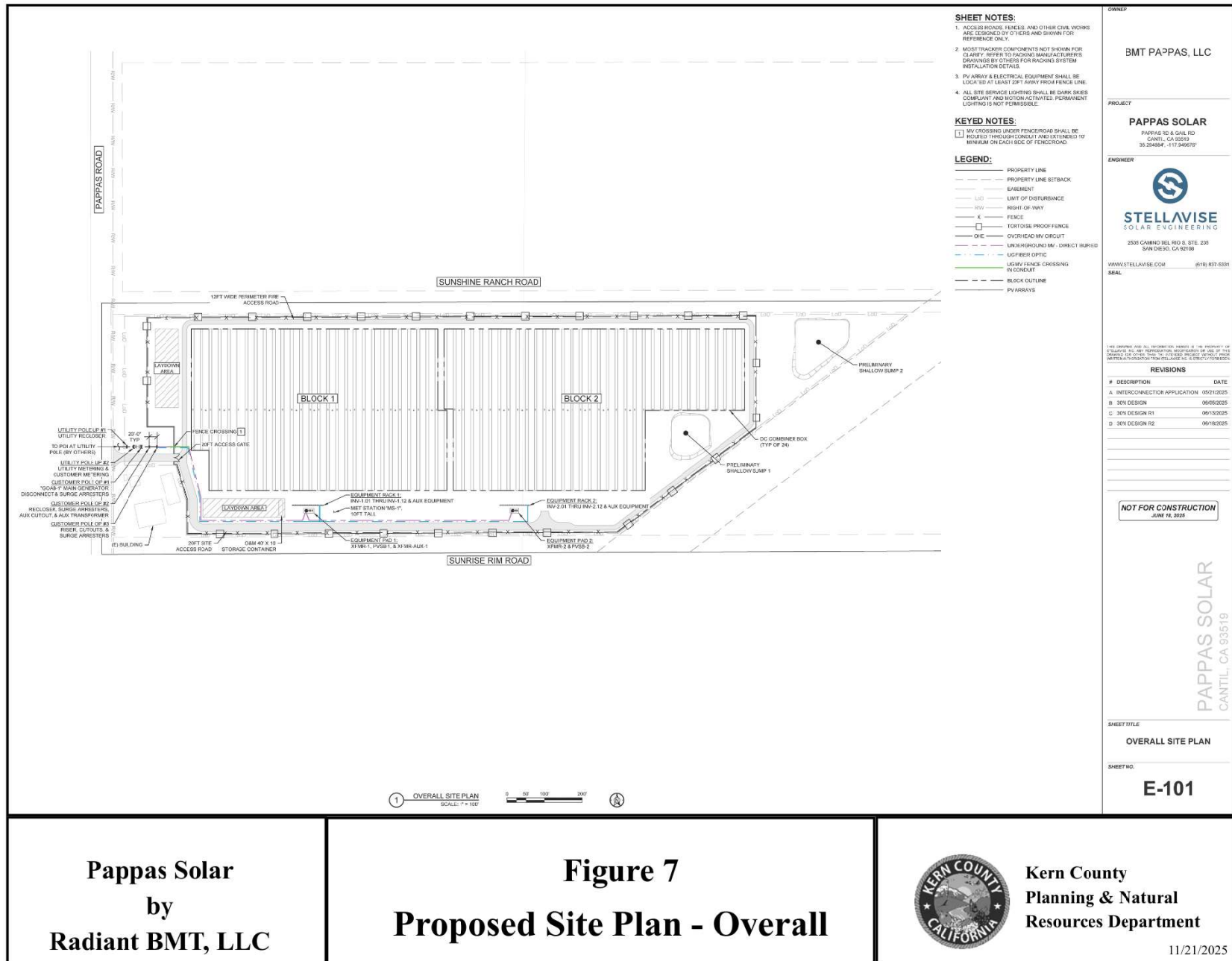












Pappas Solar  
by  
Radiant BMT, LLC

Figure 7  
Proposed Site Plan - Overall



Kern County  
Planning & Natural  
Resources Department

11/21/2025



## 2. Kern County Environmental Checklist Form

### 2.1. Environmental Factors Potentially Affected

In accordance with CEQA Guidelines, the County intends to prepare an Environmental Impact Report (EIR) to evaluate potential environmental effects of the project and to propose mitigation measures to reduce any significant effects identified.

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “potentially significant impact” as indicated by the Kern County Environmental Checklist. As such, the analysis contained within the EIR will focus on these issue areas.

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Aesthetics                  | <input checked="" type="checkbox"/> Agricultural and Forestry Resources | <input checked="" type="checkbox"/> Air Quality                        |
| <input checked="" type="checkbox"/> Biological Resources        | <input checked="" type="checkbox"/> Cultural Resources                  | <input checked="" type="checkbox"/> Energy                             |
| <input checked="" type="checkbox"/> Geology and Soils           | <input checked="" type="checkbox"/> Greenhouse Gas Emissions            | <input checked="" type="checkbox"/> Hazards and Hazardous Materials    |
| <input checked="" type="checkbox"/> Hydrology and Water Quality | <input checked="" type="checkbox"/> Land Use and Planning               | <input checked="" type="checkbox"/> Mineral Resources                  |
| <input checked="" type="checkbox"/> Noise                       | <input type="checkbox"/> Population and Housing                         | <input checked="" type="checkbox"/> Public Services                    |
| <input type="checkbox"/> Recreation                             | <input checked="" type="checkbox"/> Transportation and Traffic          | <input checked="" type="checkbox"/> Tribal Cultural Resources          |
| <input checked="" type="checkbox"/> Utilities/Service Systems   | <input checked="" type="checkbox"/> Wildfire                            | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

### Other Environmental Issues

The County conducted a preliminary review of the proposed project and has determined it is not likely to result in significant environmental effects to the following resources. Therefore, further analysis is not warranted in the EIR.

**Population and Housing:** The proposed project will not induce substantial unplanned population growth through the construction of new homes, roads, or other infrastructure, nor displace any housing units or people.

It is estimated that up to 20 people per day would be required during peak construction periods for the proposed project. The entire construction process is anticipated to take 24 months. Therefore, the majority of project-generated jobs would be from the local and regional area and would occur on a temporary and short-term basis. Construction workers are expected to travel to the proposed project site from various local communities and locations throughout Southern California, and few, if any, are expected to relocate to the surrounding area because of these temporary jobs. Therefore, the proposed project is not anticipated to directly or indirectly induce the development of any new housing or businesses within the local communities.

The proposed project is located on vacant land with no existing housing. Residences within the surrounding area of the proposed project are sparse and rural in nature, with the nearest residence approximately 830 feet north of the proposed project site. As such, the proposed project is not anticipated to displace existing housing that would necessitate the construction of replacement housing elsewhere. No impact would result and no further analysis in the EIR is warranted.



**Recreation:** The Kern County General Plan does not identify any existing or proposed recreational facilities near the proposed project area.

The proposed project itself does not include new recreational facilities and is not anticipated to increase demand on existing facilities. The number of workers needed during the construction phase would largely depend on the specific stage of construction and range between 6 to 20 workers. These workers are not likely to visit local parks or recreation facilities during the workday and the workers that are relocating temporarily during construction would create little or no impact on local recreational resources after work hours. The proposed project will not be staffed during operation and will not see employees onsite outside of planned maintenance visits, which will take place approximately once a quarter. No impact would result and no further analysis in the EIR is warranted.

**2.2. Determination**

Based on this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENT IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature:

*Andrea Calderon*

Date:

March 6, 2026

Printed Name:

Andrea Calderon

Title:

Planner II