

DATE: September 4, 2025

TO: Interested Parties and Surrounding Property Owners

FROM: Kern County Planning and Natural Resources Department
Attn: Mark Tolentino, Planner III
2700 "M" Street, Suite 100
Bakersfield, CA 93301
(661)862-5041; TolentinoM@kerncounty.com

SUBJECT: NOTICE OF PREPARATION (NOP) OF A DRAFT ENVIRONMENTAL IMPACT REPORT (EIR) FOR THE GALAXY SOLAR PV STORAGE PROJECT BY GALAXY SOLAR STORAGE, LLC (TERRA-GEN) (PP25404)

The Kern County Planning and Natural Resources Department as Lead Agency (per CEQA Guidelines Section 15062) has determined that preparation of an Environmental Impact Report (per CEQA Guidelines 15161) is necessary for the proposed project identified below. The Planning and Natural Resources Department solicits the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency may need to use the EIR prepared by our agency when considering your permit or other approval of the project.

You are invited to view the NOP and submit written comments regarding the scope and content of the environmental information in connection with the proposed project should you wish to do so. Due to the limits mandated by State law, your response must be received by **Monday, October 6, 2025 at 5:00 p.m.** Comments can be submitted to the Kern County Planning and Natural Resources Department at the address shown above or to TolentinoM@kerncounty.com. A Scoping meeting will be held on **Thursday, September 25, 2025, at 1:30 p.m.** at the address listed above.

PROJECT TITLE: Galaxy Solar PV Storage Project by Galaxy Solar Storage, LLC (TerraGen) (PP25404); **Case numbers:** GPA No. 7, Map 212; ZCC No. 5, Map 195; ZCC No. 57, Map 197; ZCC No. 4, Map 212; ZCC No. 5, Map 212; CUP No. 4, Map 195; CUP No. 5, Map 195; CUP No. 24, Map 197; CUP No. 7, Map 212; ZV No. 1, Map 195; ZV No. 2, Map 212; ZV No. 21, Map 197; GPA No. 5, Map 195 (Circulation); GPA No. 6, Map 212 (Circulation); Vesting Tentative Parcel Maps (Multiple)

DOCUMENT AVAILABILITY: The Notice of Preparation for the above referenced project is available for public review at the Planning and Natural Resources Department, which is located at 2700 "M" Street, Suite 100, Bakersfield, CA 93301, or it can be accessed on the Kern County Planning and Natural Resources Department website at: <https://kernplanning.com/planning/notices-of-preparation>

PROJECT LOCATION: The proposed project site is located at the northern edge of the Antelope Valley, approximately 6 miles southeast of the community of Mojave, approximately 8 miles northeast of the community of Rosamond, and approximately 8 miles northwest of the main base of Edwards Air Force Base. The proposed project is located within the Bissell and Sanborn U.S. Geological Survey 7.5-minute quadrangles, and spans multiple Townships, Ranges, and Sections including the following: Townships 10

and 11 North, Range 11 West, and Sections 3, 4, 8, 9, 28, and 32-34.

PROJECT DESCRIPTION: The proposed Galaxy Solar PV Storage Project is a photovoltaic (PV) solar facility with associated infrastructure necessary to generate up to 600-megawatt (MW) of renewable electrical energy, which may include up to 4 gigawatt-hours (GWh) of energy storage capacity (approximately 1,000 MW), on an approximate 3,400-acre project site, across 162 privately owned parcels, in an unincorporated area of southeastern Kern County, California.

A temporary offsite laydown area would be placed adjacent to State Route (SR)-58, at the northern extent of the project site. PV solar panels, a power collection system, including medium-voltage (MV) lines that connect the solar facilities, inverters, foundations, and transformers will be installed onsite.

Associated project infrastructure includes an operations and maintenance (O&M) facility, telecommunication facilities, energy storage system(s), an onsite collector substation, a 230-kV switchyard, and offsite water storage tanks for construction and operation. The proposed project also includes a generation-tie (gen-tie) line to connect the project to the existing Windhub Substation. Implementation of the project as proposed includes the following land use entitlement requests:

Zone Change

- (a) Zone Classification Change No. 5, Map 195 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) on approximately 966.77 acres;
- (b) Zone Classification Change No. 4, Map 212 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) on approximately 2,344.05 acres;

Conditional Use Permit

- (a) Conditional Use Permit No. 4, Map 195, to allow for the construction and operation of a solar facility up to 150 MW and associated infrastructure, including energy storage, a switchyard, and temporary construction staging and equipment storage on approximately 966.77 acres in an A (Exclusive Agriculture) District, pursuant to Chapter 19.12.030.G and 19.12.030.K of the Kern County Zoning Ordinance.
- (b) Conditional Use Permit No. 5, Map 195, to allow for a temporary construction laydown area on approximately 17.4 acres of a 41.62 acre parcel, pursuant to Chapter 19.12.030.G and 19.12.030.K of the Kern County Zoning Ordinance.
- (c) Conditional Use Permit No. 7, Map 212, to allow for the construction and operation of a solar facility up to 450 MW and associated infrastructure, including energy storage, a switchyard, and temporary construction staging and equipment storage on approximately 2,146.29 acres in an A (Exclusive Agriculture) District, pursuant to Chapter 19.12.030.G and 19.12.030.K of the Kern County Zoning Ordinance;

General Plan Amendment

- (a) General Plan Amendment No. 5, Map 195, to the Circulation Element of the Kern County General Plan (General Plan) to remove future road reservations on section and mid-section lines within the project boundary;

- (b) General Plan Amendment No. 6, Map 212, to the Circulation Element of the General Plan to remove future road reservations on section and mid-section lines within the project boundary;
- (c) General Plan Amendment No. 7, Map 212, to the Open Space, Land Use, and Conservation Element of the General Plan to re-designate two parcels (APNs 244-233-06 and 244-421-01) from General Plan Designation 3.3 (Other Facilities) to General Plan Designation 8.5 (Resource Management).

Zone Variance:

- (a) Zone Variance No. 1, Map 195, to authorize multiple parcels of substandard size where a minimum of 20 acres is required for each change in base zoning from the A-1 (Limited Agriculture) District to the A (Exclusive Agriculture) District across approximately 40.92 total acres.
- (b) Zone Variance No. 2, Map 212, to authorize multiple parcels of substandard size where a minimum of 20 acres is required for each change in base zoning from the A-1 (Limited Agriculture) District to the A (Exclusive Agriculture) District across approximately 12.66 total acres

Vesting Tentative Parcel Maps:

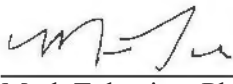
- (a) Vesting Tentative Parcel Map No. 12577—Proposing a merger and re-subdivision of three (3) parcels into one (1) parcel of Case Map 195, Section 28, Township 11 North, Range 11 West, of County of Kern, consisting of 23.02 acres (gross), resulting in a 23.02 acre (gross) parcel.
- (b) Vesting Tentative Parcel Map No. 12578—Proposing a merger and re-subdivision of twenty-eight (28) parcels into one (1) parcel of Case Map 195, Section 33, Township 11 North, Range 11 West, of County of Kern, consisting of 302.32 acres (gross), resulting in a 302.32 acre (gross) parcel.
- (c) Vesting Tentative Parcel Map No. 12579—Proposing a merger and re-subdivision of six (6) parcels into one (1) parcel of Case Map 195, Section 34, Township 11 North, Range 11 West, of County of Kern, consisting of 157.93 acre acres (gross), resulting in a 157.93 acre (gross) parcel.
- (d) Vesting Tentative Parcel Map No. 12580—Proposing a merger and re-subdivision of twenty-seven (27) parcels into one (1) parcel of Case Map 212, Section 4, Township 10 North, Range 11 West, of County of Kern, consisting of 90.81 (acres (gross), resulting in a 90.81 acre (gross) parcel.
- (e) Vesting Tentative Parcel Map No. 12581—Proposing a merger and re-subdivision of fifty-two (52) parcels into one (1) parcel of Case Map 212, Section 4, Township 10 North, Range 11 West, of County of Kern, consisting of 298.29 acres (gross), resulting in a 298.29 acre (gross) parcel.
- (f) Vesting Tentative Parcel Map No. 12582—Proposing a merger and re-subdivision of twenty-four (24) parcels into one (1) parcel of Case Map 212, Section 8, Township 10 North, Range 11 West, of County of Kern, consisting of 500.58 acres (gross), resulting in a 500.58 acre (gross) parcel.

Offsite Features:

- (a) Zone Classification Change No. 5, Map 212 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) to facilitate installation of offsite water storage tanks for construction and operations on approximately 20.26 acres;

- (b) Zone Classification Change No. 57, Map 197 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) to facilitate installation construction and operation of an off-site switchyard and temporary construction and equipment storage on approximately 34.82 acres;
- (c) Conditional Use Permit No. 24, Map 197, to allow for the construction and operation of an off-site switchyard and temporary construction staging and equipment storage on approximately 29.4 acres in an A (Exclusive Agriculture) District, pursuant to Chapter 19.12.030.G and 19.12.030K of the Kern County Zoning Ordinance;
- (d) Zone Variance No. 21, Map 197, to authorize multiple parcels of substandard size where a minimum of 20 acres is required for each change in base zoning from the A-1 (Limited Agriculture) District to the A (Exclusive Agriculture) District across approximately 34.82 total acres.

Signature:
Name:


Mark Tolentino, Planner III

Galaxy Solar PV & Storage Project

Vicinity Map

Galaxy Solar Storage, LLC

-  Project Site
-  Named Road
-  State Hwy
-  Arterials
-  Township/Range
-  Sections
-  City Limits
-  Unincorporated Cities

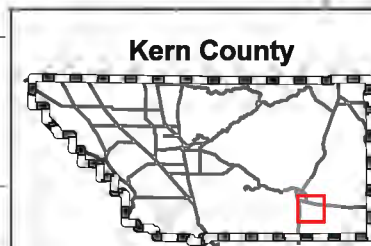
T11N/R11W - Sec. 28, 32-34
T10N/R11W - Sec. 3-4, 6, 8-9

Created on: 8/1/2025

0 6,500 13,000 ft



Kern County
Planning & Natural
Resources Department



GALAXY SOLAR (PP25404)	235 132 50 00 9 A T S F RAILWAY CO * *	DUP	244 413 23 00 5 ABRIGO FAMILY TRUST 6960 QUEBEC CT SAN DIEGO CA 92139
244 411 34 00 3 ADAIR JAMES A 12714 ROAD 38 MADERA CA 93638-8671	235 134 04 00 0 AEK GLOBAL INVS LLC 4603 HURFORD TR ENCINO CA 91436-3345		244 432 04 00 9 AGUIRRE TITO MARIO 329 SIESTA AV LA PUENTE CA 91746
235 102 35 00 7 ALLEN FAMILY TRUST A 5900 LANDFAIR DR BAKERSFIELD CA 93309-3677	244 413 58 00 7 AMAYA SEGUNDO REINALDO CALDERON 15805 MOSSDALE AV LANCASTER CA 93535		244 432 17 00 7 AMBROSE GEORGE B & RACHEL E TRUST 200 VIA COLUSA PALOS VERDES CA 90274
244 421 21 00 8 AMERICAN TEL & TEL CO * *	DUP	235 401 21 00 6 ANCHETA EDISON O & JANE F 12038 S RENTON AV SEATTLE WA 98178	235 102 29 00 0 ANTELOPE VALLEY E KERN WTR AG P O BOX 3176 QUARTZ HILL CA 93534
235 132 56 00 7 ANTELOPE VALLEY E KERN WTR AG * *	DUP	235 410 27 00 0 APPELL MICHAEL 3188 WILLOW CANYON ST THOUSAND OAKS CA 91362	244 432 32 00 0 BAIRD ALEXIA 15922 EL DORADO PW STE 500 # 1601 FRISCO TX 75035
244 432 19 00 3 BANK OF BEVERLY HILLS CUSTDN PO BOX 11821 SANTA ANA CA 92711	244 412 50 00 6 BARRON EDDIE MAE 1539 SOUTH SHADYDALE WEST COVINA CA 91790		235 410 26 00 7 BATTAGLIA THERESA 8608 SILVER MEADOW LN BALTIMORE MD 21236
235 134 05 00 3 BEDOLLA TERESA 3713 WILLIAM DEHAES DR APT 2103 IRVING TX 75038-8918	235 132 16 00 1 BELLEFIELD 2 LAND BORROWER LLC 2180 S 1300 EAST STE 500 SALT LAKE CITY UT 84106		235 140 12 00 8 BIRNS JACK 292 DECANter CIRCLE WINDSOR CA 95492
244 432 25 00 0 BLANCO MARK LUKE REQUIDAN 523 ARBOR ST CAMARILLO CA 93012-7843	244 432 12 00 2 BOLTON WELTHA M TR 1760 18TH ST APT B SANTA MONICA CA 90404		244 392 05 00 1 BOSI JODI LAURA 10622 PLAHM CT WORTH IL 60482
244 413 60 00 2 BRAMBACH CHAUNCEY STEPHEN JR PO BOX 643 MOJAVE CA 93502-0105	235 212 17 00 7 BREGMAN MORTON J & MARILYN REV LIV TR 4756 NOMAD DR WOODLAND HILLS CA 91364		244 412 19 00 7 BRICKTREE GROUP TRUST 17192 MURPHY AV U 14183 * DUP
235 212 23 00 4 BULL JACK W 808 WEST AVENUE J-10 LANCASTER CA 93534	244 453 02 00 6 BURGALES JAVIER VIVANCO 32597 SUNNYVAIL CIRCLE TEMECULA CA 92592		235 134 18 00 1 BUSH DAVID ALAN 15577 ROCKWELL AV FONTANA CA 92336-4177

235 134 19 00 4 BUSH KAREN L 737 PEPPERMINT WY PRESCOTT AZ 86305	235 101 45 00 9 CA KERN LP 1650 WESTWOOD BL STE 300 LOS ANGELES CA 90024	244 431 12 00 5 CAMERON RITA M TR 27049 CHIHUAHUA VLY RD WARNER SPGS CA 92086
235 212 12 00 2 CAMPBELL BRADLEY C TRUST 22394 MONTERA CT SALINAS CA 93908-1024	244 432 23 00 4 CAMPOS ISIDRO 127 WEST 43RD ST LOS ANGELES CA 90037	244 412 04 00 3 CARDER ALAN B 25346 232ND AVE SE MAPLE VALLEY WA 98038
235 134 02 00 4 CARDER ALDEN BRENT & NAN REV TRUST 6120 EAST AVENUE G LANCASTER CA 93534	235 102 09 00 2 CASE FAMILY TRUST 155 W 226TH PL CARSON CA 90745-3714	244 413 29 00 3 CASTELAN VICENTE & TERESA 1112 W MASLIN ST COVINA CA 91722
244 413 19 00 4 CELLES LEONILA F LIVING TRUST 3107 OTTO ST MUSCOY CA 92407	235 102 27 00 4 CHANG IK HOON & SOON HEE 1722 CHANTILLY LN FULLERTON CA 92833-1288	244 234 26 00 9 CHAVEZ SARA 831 N CLYBOURN AV BURBANK CA 91505-2708
244 411 55 00 4 CHILDS LORI L 15639 SPUNKY CANYON RD GREEN VALLEY CA 91390	244 413 38 00 9 CHINN GLENN E & CECILIA 2921 MC CALL AV BAKERSFIELD CA 93304-6227	244 412 48 00 1 CHIU SUNRISE LAY 819 N ANGELENO AV AZUSA CA 91702
244 233 10 00 5 CHRISMAN DAVID 3281 TROTTER AV MOJAVE CA 93501	244 432 08 00 1 COMBS STEVEN C & CAUSEY KERRY A 120 KINGSTON ST BOSTON MA 02111	244 411 52 00 5 CORTEZ MAYRA ALICIA HERRERA 1242 N VELIE CT VISALIA CA 93292
244 391 11 00 1 DANG HAO TU 5730 E 16TH ST OAKLAND CA 94621-4233	244 234 29 00 8 DELGADO MIGUEL A 200 ARBOR ST VACAVILLE CA 95688-2702	235 213 12 00 9 DELOS REYES ABELARDO R & MILA 4275 POWDERHORN DR SAN DIEGO CA 92154-1743
244 411 08 00 8 DEMERSON YOUNG ELLA TR 20177 FOREST AV CASTRO VALLEY CA 94546	235 212 08 00 1 DL INVESTORS 1 LLC 450 ANTHONY TL NORTHBROOK IL 60062	244 452 24 00 3 DOEMAN ANNOR MALONEY 524 E LINGARD ST LANCASTER CA 93535-3122
244 401 05 00 6 DONAHUE CHRISTOPHER H 5330 QUEMAZON LOS ALAMOS NM 87544	244 401 04 00 3 DONAHUE STEPHEN H 5330 QUEMAZON LOS ALAMOS NM 87544	DUP
244 413 39 00 2 DYAS ROBERT K & KATHRYN M P O BOX 687 ROSAMOND CA 93560	244 432 09 00 4 DYAS ROBERT KEITH & KATHRYN M P O BOX 687 ROSAMOND CA 93560	235 212 04 00 9 DUDDY TR 4038 SAN REMO WY TARZANA CA 91356-5700
	DUP	244 234 15 00 7 EAGLE DESERT VISTA CORP PO BOX 2470 VICTORVILLE CA 92393

244 234 13 00 1
EAGLE DESERT VISTA
CORPORATION
P O BOX 2470
VICTORVILLE CA 92393

235 102 08 00 9
EDWARDS SANBORN LAND
HOLDINGS
11455 EL CAMINO REAL STE 160
SAN DIEGO CA 92130

235 401 05 00 0
EDWARDS SANBORN LAND
HOLDINGS LLC
11455 EL CAMINO REAL STE 160
SAN DIEGO CA 92130

244 233 02 00 2
EDWARDS SANBORN LAND
HOLDINGS LLC
9480 GATEWAY DR STE 201
RENO NV 89521

244 412 34 00 0
ELK TRUST
16015 S 35TH ST
PHOENIX AZ 85048

244 412 37 00 9
ENNIS LORRAINE ET AL
333 W MISSION BL
POMONA CA 91766-1606

235 410 21 00 2
EQUITY TRUST COMPANY
4 HOLLOW TREE LN
EAST HAMPTON NY 11937

244 392 09 00 3
EVANS JANET P TRUST
340 OLD MILL RD SP 150
SANTA BARBARA CA 93110-3810

235 401 10 00 4
FABELA MANUEL & EUFEMIA ET AL
3436 GREENACRE DR
SANTA MARIA CA 93455-2454

244 432 24 00 7
FEY DAVID
1593 DAWN RIDGE DR
BEAUMONT CA 92223

244 412 33 00 7
FRANCISCO VIOLETA S LIV TR
22232 BYRON WY
EL TORO CA 92630

244 413 42 00 0
FRIEDMAN BERNARD & BETTY E
4513 GILBERT ST
SCOTTSDALE AZ 85255

235 213 11 00 6
GACAD FAMILY TRUST
2577 NOBLE CANYON RD
CHULA VISTA CA 91915-1522

235 102 38 00 6
GAETZ MICHAEL P
10816 SHELLABARGER RD
BAKERSFIELD CA 93312

244 411 51 00 2
GENOVESE DENNIS
13 SHERRY
RANCHO MIRAGE CA 92270

244 401 32 00 4
GERVAS FAMILY TRUST
424 5 ORCHID AV
CORONA DEL MAR CA 92625

235 213 02 00 0
GHEVENDIAN MASIS
13320 VENTURA BL
SHERMAN OAKS CA 91423-3913

244 411 33 00 0
GILLITUK JOHN A
42549 W CORVALIS LN
MARICOPA AZ 85138-3021

244 413 24 00 8
GONZALES CRISPIN & MIRASOL
2328 SPRING OAK WY
SAN DIEGO CA 92139

235 401 01 00 8
GONZALEZ RAYMOND LARA
PO BOX 20027
OXNARD CA 93034-0027

235 212 03 00 6
GRAVES JOHN J
34 LINCOLN AV
OLD GREENWICH CT 06870

235 134 12 00 3
GROUND FLOOR LAND LLC
600 PEACHTREE ST NE STE 810
ATLANTA GA 30308-2219

244 412 36 00 6
HADDAD ISAM A & NAJAH I
22031 GLEDHILL ST
CHATSWORTH CA 91311-5740

235 102 40 00 1
HAI FRANCIS & BETTINA
4732 BULOVA ST
TORRANCE CA 90503-1468

235 102 14 00 6
HAMMER CHRISTOPHER DAVID
21702 FLAMENCO
MISSION VIEJO CA 92692-1016

235 410 28 00 3
HARRIS LAURA ENANDER TRUST
20560 MONTALVO LN
SARATOGA CA 95070-6313

244 412 46 00 5
HAWKINS VICTOR JR
14423 GRACEBEE AV
NORWALK CA 90650

244 411 22 00 8
HAWTHORNE COURTNEY JAMAL &
JACKSON DEJA CREE
1436 E SUNSET HILL DR
WEST COVINA CA 91791

244 412 30 00 8
HOM FAMILY TRUST
1617 S DATE AV
ALHAMBRA CA 91803

244 413 21 00 9
HONG QUANG BUI
5016 ECHO ST
LOS ANGELES CA 90042-3916

244 401 15 00 5
HOU QINGMING
195 41ST STE 11140 ST
OAKLAND CA 94611-7005

244 432 11 00 9
HOWE J&P FAMILY TRUST
12418 PRAIRIE ROSE WY
BAKERSFIELD CA 93312-3564

244 451 03 00 5
J D LOOMIS INVS LLC
7100 LOCH LOMOND DR
BETHESDA MD 20817-4760

235 410 24 00 1
JACKSON MICHAEL H
8107 HAZELTINE AV
PANORAMA CITY CA 91402

235 410 32 00 4
JAGOSZ FAMILY TRUST
1967 CHEREMOYA AV
LOS ANGELES CA 90068-3521

235 134 20 00 6
JERIES KHADER FAM TR
3 VIA PUMA
RCHO SANTA MARG CA 92688

244 413 25 00 1
JESSAMY DENNIE ELIZABETH
39 JACKSON ST
MT VERNON NY 10553

244 432 07 00 8
JIME 4 BROTHERS LIVING TRUST
7039 MISTY MEADOW
EASTVALE CA 92880

244 234 12 00 8
JOHNSTON BARBARA Z
106 SILVER VALLEY BL
MUNROE FALLS OH 44262

244 432 30 00 4
JOSHUA TREE ASSCS LLC
P O BOX 872590
VANCOUVER WA 98687

244 432 31 00 7
KEGWE VICTOR
1424 5TH ST
GLENARDEN MD 20706

235 134 01 00 1
KHAN FAMILY TRUST 2001
5315 HEIDORN RANCH RD
BRENTWOOD CA 94513-5304

244 412 26 00 7
KIEN RIXON
927 S CREEKVIEW LN
ANAHEIM CA 92808-1444

244 412 21 00 2
LAMB JOHN ALAN & JEANNE LOUISE
3828 ASHBURY RD
ROUND ROCK TX 78681-2477

244 432 01 00 0
LANDSIEDEL TERRY V
P O BOX 1467
ROSAMOND CA 93560

244 413 28 00 0
LE THANH & HUONG LVG TRUST
19703 MIGUEL AV
CERRITOS CA 90703-7717

235 320 02 00 1
LEE RICHARD & ALICE TR
1285 REXFORD AV
PASADENA CA 91107-1668

244 432 20 00 5
LEE SUN OK
9048 RIVES AV
DOWNEY CA 90240-2657

244 413 26 00 4
LIFE USA ANNUITY FUND
2125-2 DUBLIN LN
DIAMOND BAR CA 91765

244 432 21 00 8
LIN JENNIFER J
2208 S DATE AV
ALHAMBRA CA 91803

244 412 47 00 8
LJUBICA BIJELIC PURPURA
25307 WESTON RD
TORRANCE CA 90505

235 134 07 00 9
LO TING TING
1155 NW COLUMBIA ST
BEND OR 97703

244 432 22 00 1
LOMBARD KEVIN J & DIANE K
3648 DRIFTWOOD ST
CHINO HILLS CA 91709

244 234 36 00 8
LORENZO VENTON T
2115 DENMEAD ST
LAKEWOOD CA 90712

235 401 04 00 7
LORITZ EDWARD F JR
21383 CASINO RIDGE RD
YORBA LINDA CA 92887

235 102 36 02 8
LUITWIELER GEORGE R & JANE TR
1713 SOUTH ALMANSON
ALHAMBRA CA 91801

244 421 28 00 9
LY KHANH TUYET
2107 WALNUT GROVE LN
RICHMOND TX 77406-6627

244 452 22 00 7
MAGYAR FUMIKO & MIKLOS J
P O BOX 1664
DOLAN SPGS AZ 86441

235 212 14 00 8
MAKHANIAN ENTERPRISES
1920 GRIFFITH AV
LOS ANGELES CA 90011

235 102 20 00 3
MC CAFFREY THOMAS F
P O BOX 561
BORON CA 93596

244 220 14 00 3
MONO TRUST
6521 VAN NOORD AV
HOLLYWOOD CA 91606

235 410 31 00 1
MURTLAND RICHARD HILL
3707 GILBERT AV # 16
DALLAS TX 75219

244 431 07 00 1
NARRO FLORES J
47053 W 4TH ST
LANCASTER CA 93534

244 413 20 00 6
NELSON SUCHART & UDOM
17125 SW JOHNSON ST
ALOHA OR 97006

235 320 16 00 2
NEW SUSTAINABLE PROP HOLDINGS
LLC
2180 S 1300 EAST STE 500
SALT LAKE CITY UT 84106

235 401 07 00 6
NICHOLS ROBIN L
1343 W ASH AV
FULLERTON CA 92833

244 412 38 00 2
NOHR LIVING TRUST
5710 S 4050
ROY UT 84067-9143

244 234 27 00 2
NYE JAMES
11325 BARHARBOR WY
KNOXVILLE TN 37934-3962

235 410 22 00 5
ORNG CLARINDA W
21236 WILDER AV
LAKEWOOD CA 90715-2415

235 102 31 00 5
ORTEGA SEFERINO JR & CATALINA
13 CTY RD 1517
BAY SPRINGS MS 39422

235 102 15 00 9
OSTBY MARILYN M TR
15723-4 LA SUBIDA DR
HACIENDA HTS CA 91745

235 410 33 00 7
OSTERMIER BERNARD J
20451 SHAMROCK PL
CHATSWORTH CA 91311-1746

244 401 17 00 1
OTTAVIANO PETER & MERLEEN TR
P O BOX 416
JULIAN CA 92036

244 411 37 00 2
PARK LLOYD SANG
12420 INDIAN RIVER DR
APPLE VALLEY CA 92308-6773

244 413 40 00 4
PAULEY JOSEPH L & BEVERLY M TR
1503 CESSNA RD
CABOOL MO 65689-9374

244 412 52 00 2
PETRUCCI VINCE
7548 NEW SALEM ST
SAN DIEGO CA 92126-2037

235 102 13 00 3
PINNIX JOHN D & MICHELLE A
2812 E MASSACHUSETTS AV
NAMPA ID 83686

244 452 21 00 4
PRATZ RONALD & SEDA FAM TR
4602 ETHEL AV
SHERMAN OAKS CA 91423

244 233 08 00 0
PRONO TR
1736 FREEPORT TR
SAN PEDRO CA 90732-4045

244 411 09 00 1
PUUPATAMMATA UMPORN
243 N MOUNTAIN VIEW AV
LOS ANGELES CA 90026-5326

244 413 22 00 2
PW REAL EST VENTURES LLC
450 ANTHONY TL
NORTHBROOK IL 60062

235 102 19 00 1
RADOS FELIX & DEBRA REV LIVING
TRUST
29841 CAMDEN CI
MURRIETA CA 92563

235 410 29 00 6
RAMIREZ FELIPE
480 ALTA RD
SAN DIEGO CA 92179-0001

244 411 23 00 1
REIFMAN IRVING
12121 WILSHIRE BL STE 1120
LOS ANGELES CA 90025-1164

244 412 45 00 2
REYES JOSE JUAN
2301 PORTER ST
LOS ANGELES CA 90021

244 452 10 00 2
ROBINSON ODELL R & THANH T
5178 SILVER MOUNTAIN WY
ALTA LOMA CA 91737

244 421 31 00 7
RODRIGUEZ IGNACIO
5147 DENNY AV # 2
NO HOLLYWOOD CA 91601

235 401 22 00 9
RODRIGUEZ ROSENDO
2100 RAYO DEL SOL DR
ARVIN CA 93203-9447

244 413 30 00 5
ROOT FRANK
PO BOX 4596
PAHOA HI 96778

244 412 18 00 4
ROSWELL ILENE & GEORGE & GARY
1433 VIA VENUSTO
OCEANSIDE CA 92056

244 432 36 00 2
ROUSSEL IAN
PO BOX 922173
SYLMAR CA 91392

235 410 20 00 9
ROXY TR
19401 OPAL LN
SANTA CLARITA CA 91350-3244

244 432 26 00 3
ROYNON DEAN & ELSIE FAMILY
TRUST
250 E TELEGRAPH RD
FILLMORE CA 93015-2143

235 401 08 00 9
RUDOLPH BENJAMIN L
2344 SHAWNEE RD # 103
LIMA OH 45805

235 401 03 00 4
RUDOLPH NANCY J
363 NEWPORT AV # 320
LONG BEACH CA 90814

244 413 61 00 5
RUSEN HARTLEY DAVID
10325 LUBAO AV
CHATSWORTH CA 91311

235 401 02 00 1
SAAVEDRA GUADALUPE & MONICA
2227 LLANO MEDIANO LN
EDINBURG TX 78542-2551

235 132 14 00 5
SAGLIMBENI NICHOLAS
530 S LAKE AV STE 601
PASADENA CA 91101-3515

244 421 01 00 0 **DUP**
SAGLIMBENI NICHOLAS
530 S LAKE AV # 601
PASADENA CA 91101

235 102 05 00 0 **DUP**
SAGLIMBENI NICK
530 S LAKE AV STE 601
PASADENA CA 91101-3515

235 401 14 00 6
SALAMEH RAMZI MANUEL
1101 DEBRA DR
COSTA MESA CA 92626-1644

235 401 13 00 3
SALAMEH YOUSEF MANUEL
4400 TRUXEL RD # 59
SACRAMENTO CA 95835-2615

244 411 24 00 4
SEASONS LAND CORP
3595 INLAND EMPIRE BL # 3
ONTARIO CA 91764

244 411 49 00 7
SEDOO LIVING TRUST
820 HAMPSHIRE CT
MODESTO CA 95350-2431

235 401 09 00 2
SEIZED PROPERTY
13312 RANCHERO RD 430
OAK HILLS CA 92344-4812

244 432 02 00 3
SHANNON ROBERT E TRUST
4835 DEL RIO RD
ATASCADERO CA 93422-1533

235 410 30 00 8
SILVER SADDLE RANCH COMML
DEV
655 W BROADWAY STE 900
SAN DIEGO CA 92101

235 212 13 00 5
SIMMONS HOWARD R
540 ALLEGHANY AV
HARRISONBURG VA 22801

235 212 15 00 1
SIMMONS TONY
7236 CALIFORNIA CITY BL
CALIFORNIA CITY CA 93505

244 412 31 00 1
SKELTON JEAN
23308 SAND CANYON CI
CORONA CA 92883

244 412 35 00 3
SLATER J D & R H & CRYSTAL
8259 BLEEKER ST
S SAN GABRIEL CA 91770

244 413 27 00 7
SMITH DAVID CARROLL & DAWNA J
56 MIRA LAS OLAS
SAN CLEMENTE CA 92673

244 432 16 00 4
SMITH FAMILY TR
2147 SAN ANTONIO AV
UPLAND CA 91786

244 391 05 00 4
SMITH FAMILY TRUST
60833 WILLOW CREEK LP
BEND OR 97702

235 410 25 00 4
SMITH VIVIAN BEULAH
2823 LANTZ
SAN JOSE CA 95124

235 102 34 00 4
SPOLSDOFF PAUL P JR ET AL
1000 ROSEWOOD AV
WASCO CA 93280

235 134 22 00 2
SURVIVORS TRUST
P O BOX 2645
CULVER CITY CA 90231-2645

244 421 02 00 3
TAMPINCO EDGARDO PERLAS &
QUELAMIA M
153 ADAIR ST
LONG BEACH CA 90805

235 102 37 00 3
TANDOC SALVADOR C & CANDACE
Y
319 TURNBERRY WY
VALLEJO CA 94591

244 413 37 00 6
TENNEY 2008 TR
4342 EL CAPITAN CT
CARLSBAD CA 92010

244 451 06 00 4 THAI HELEN 5411 E LA PALMA AV ANAHEIM CA 92807	244 220 15 00 6 THIM HELEN V 315 DOE HOLLOW TR FAYETTEVILLE GA 30215	235 140 27 00 2 TOLLEFSON DONALD G & BERNICE G 17978 BORIS DR ENCINO CA 91316-4347
244 432 03 00 6 TONG NHIEM 1001 W IMPERIAL HW 2411 LA HABRA CA 90632	235 102 41 00 4 TONG NHIEM & LY HUONG P PO BOX 2411 LA HABRA CA 90632-2411	235 401 12 00 0 TRAN-DANG FAM TRUST 1594 N BURBANK CT CHANDLER AZ 85225
244 412 39 00 5 TRIPLE E DEV CORP 5560 S FORT APACHE RD STE 100 LAS VEGAS NV 89148-7699	244 220 03 00 1 U S A * *	DUP 244 432 06 00 5 UNITED TR DEED INC PO BOX 2118 ARCADIA CA 91077
235 102 12 00 0 VU JOSEPH P M 902 FULLER RD COLORADO SPGS CO 80920	235 410 23 00 8 VUONG VU A 2817 ELSMOR ST FAIRFAX VA 22031	244 451 12 00 1 WESTERN NATIONAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DIEGO CA 92130
235 134 14 00 9 WESTERN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DIEGO CA 92130	DUP 235 140 09 00 0 WESTERN NATURAL RESOURCES LLC EL CAMINO REAL STE 160 SAN DIEGO CA 92130	DUP 235 140 19 00 9 WESTERN NATURAL RESOURCES LLC 11455 EL CAMNO REAL STE 160 SAN DIEGO CA 92130
235 213 01 00 7 WESTERN NATURAL RESOURCES LLC 3426 NE HADLEY ST SALEM OR 97301	235 213 08 00 8 WESTERN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DIEGO CA 93130	DUP 244 421 44 00 5 WESTERN NATURAL RESOURCES LLC 11454 EL CAMINO REAL STE 160 SAN DIEGO CA 92130
244 451 09 00 3 WESTERN NATURAL RESOURCES LLC 11455 EL CAMNINO REAL STE 160 SAN DIEGO CA 92130	DUP 244 452 04 00 5 WESTERN NATURAL RESOURCES LLC 11455 S EL CAMINO REAL STE 160 SAN DIEGO CA 92130	DUP 244 453 08 00 4 WESTERN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 16 SAN DIEGO CA 92130
244 454 10 00 6 WESTERN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DEIGO CA 92130	DUP 235 140 31 00 3 WESTERN NSTURAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DIEGO CA 92130	DUP 244 451 25 00 9 WESTN NATUAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DIEGO CA 92130
235 140 03 00 2 WESTN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DIEGO CA 92130	DUP 235 402 06 00 0 WESTN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 260 SAN DIEGO CA 92130	DUP 244 233 06 00 4 WESTN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SANE DIEGO CA 92130
244 421 36 00 2 WESTN NATURAL RESOURCES LLC 11455 EL CAMINO REAL STE 160 SAN DEIGO CA 92130	DUP 244 452 14 00 4 WILLIAMS EDITH 8401 CRENSHAW BL INGLEWOOD CA 90305-1932	235 401 15 00 9 WILLIAMS RICHARD L 320 E 83RD ST LOS ANGELES CA 90003-3002

244 413 59 00 0
WILSON THOMAS J & YURIKO
91-1012 KAIOHEE ST
EWA BEACH HI 96706-5078

235 134 17 00 8
WOOD MEREDITH L
315 FERNCREST RD
LONGVIEW WA 98632

244 233 17 00 6
WOOLSEY ROY B TRUST
26649 SNELL LN
LOS ALTOS HILLS CA 94022-2039

244 401 33 00 7
WU LILY
12230 BRASSICA ST
SAN DIEGO CA 92129-4124

244 401 03 00 0
YEARICK JEAN M
1416 LUCKY ST
OCEANSIDE CA 92054-5440

244 412 53 00 5
YIP FAMILY TR
530 EL CAMINO REAL APT 305
BURLINGAME CA 94010-5176

235 212 05 00 2
ZEPEDA DINA ELEONORA
6559 ROSE AV
LONG BEACH CA 90805

235 401 18 00 8
26SB 8ME LLC
2180 E SOUTH 1300 STE 500
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P.O. Box 548
Arvin, CA 93203

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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

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Delano, CA 93216

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McFarland, CA 93250

City of Ridgecrest
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City of Shafter
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Shafter, CA 93263

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

City of Tehachapi
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San Bernardino Co Planning Dept
385 North Arrowhead Avenue, 1st Floor
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San Luis Obispo, CA 93408

Santa Barbara Co Resource Mgt Dept
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Santa Barbara, CA 93101

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5961 South Mooney Boulevard
Visalia, CA 93291

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800 South Victoria Avenue, L1740
Ventura, CA 93009-1740

U.S. Bureau of Land Management
Caliente/Bakersfield
35126 McMurtrey Avenue
Bakersfield, CA 93308

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

China Lake Naval Weapons Center
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Mail Stop 4001
China Lake, CA 93555

Edwards AFB, Mission Sustainability
Liaison
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195 East Popson Avenue
Edwards AFB, CA 93524

Federal Aviation Administration
Western Reg Office/
777 South Aviation Boulevard
Suite 150
El Segundo, CA 90245

Federal Communications Comm
18000 Studebaker Road, #660
Cerritos, CA 90701

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

Eastern Kern Resource Cons Dist
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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

U.S. Army Corps of Engineers
P.O. Box 997
Lake Isabella, CA 93240

U.S. Army Corps of Engineers
Regulatory Division
1325 "J" Street, #1350
Sacramento, CA 95814-2920

U.S. Postal Service
Address Management Systems
28201 Franklin Parkway
Santa Clarita, CA 91383-9321

State Air Resources Board
Stationary Resource Division
P.O. Box 2815
Sacramento, CA 95812

So. San Joaquin Valley Arch Info Ctr
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9001 Stockdale Highway
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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

Caltrans/
Division of Aeronautics, MS #40
P.O. Box 942873
Sacramento, CA 94273-0001

State Clearinghouse
Office of Planning and Research
1400 - 10th Street, Room 222
Sacramento, CA 95814

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

State Dept of Conservation
Division of Land Resource Protection
715 "P" Street, MS 1904
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State Dept of Conservation
Division of Mine Reclamation
715 "P" Street MS 1905
Sacramento, CA 95814

State Mining and Geology Board
715 "P" Street, MS 1909
Sacramento, CA 95814

California State University
Bakersfield - Library
9001 Stockdale Highway
Bakersfield, CA 93309

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

State Dept of Food & Agriculture
1220 "N" Street
Sacramento, CA 95814

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

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

State Lands Commission
100 Howe Avenue, Ste 100-South
Sacramento, CA 95825-8202

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	State Dept of Water Resources San Joaquin Dist. 4201 S Sabodan St Bakersfield, CA 93313
State Dept of Water Resources Div. Land & Right-of-Way P.O. Box 942836 Sacramento, CA 94236	Kern County Agriculture Department	Kern County Airports Department
County Clerk	Kern County Administrative Officer	Kern County Public Works Department/ Building & Development/Floodplain
Kern County Public Works Department/ Building & Development/Survey	Kern County Env Health Services Department	Kern County Fire Dept (Put in FIRE BOX) Regina Arriaga Roxanne Routh Jim Killam
Kern County Fire Dept Aaron Duncan	Kern County Library/Beale Local History Room	Kern County Library/Beale Andie Sullivan
Kern County Parks & Recreation	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	Kern County Public Works Department/ Building & Development/Code Compliance	Kern County District 2 Attn: Rosamond Municipal Advisory Council 414 W. Tehachapi Blvd. Suite H Tehachapi, CA 93561
Mojave Town Council Bill Deaver, President P.O. Box 1113 Mojave, CA 93502-1113	Mojave Unified School Dist 3500 Douglas Mojave, CA 93501	Muroc Unified School Dist 17100 Foothill Avenue North Edwards, CA 93523
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
Kaufman & Broad Antelope Valley Division 38345-A 30th Street East Palmdale, CA 93550	Kern County Water Agency 3200 Rio Mirada Drive Bakersfield, CA 93308	East Kern Air Pollution Control District

California City Airport
22636 Airport Way
California City, CA 93505

Mojave Airport
1434 Flightline
Mojave, CA 93501

East Kern Airport Dist
Attention Stuart Witt
1434 Flightline
Mojave, CA 93501

East Kern Airport Dist Engineer
3900 Ridgemoor Avenue
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4220 Poplar Street
Lake Isabella, CA 93240-9536

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P.O. Box 2567
Rosamond, CA 93560

Rosamond Skypark/Airport
4000 Knox Avenue
Rosamond, CA 93560

Tehachapi City Hall/Airport
115 South Robinson Street
Tehachapi, CA 93561

Adams, Broadwell, Joseph & Cardozo
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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

AT&T California
OSP Engineering/Right-of-Way
4901 Ashe Road
Bakersfield, CA 93313

Kern Audubon Society
Attn: Frank Bedard, Chairman
7612 Angela Ave
Bakersfield CA 93308

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

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Sacramento, CA 95833

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P.O. Box 935
Mojave, CA 93502

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18169 Highway 155
Woody, CA 93287

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

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Bakersfield, CA 93308-9477

Southern California Gas Co
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P.O. Box 513249
Los Angeles, CA 90051

Chumash Council of Bakersfield
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Kern Valley Indian Council
Attn: Robert Robinson, Chairperson
P.O. Box 401
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LIUNA
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Bakersfield CA 93313

Twenty-Nine Palms Band
of Mission Indians
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Coachella, CA 92236

Twenty-Nine Palms Band
of Mission Indians
Attn: Anthony Madrigal Jr., Tribal Grants
Administrator
46-200 Harrison Place
Coachella, CA 92236

Torres Martinez Desert Cahuilla Indians
Attn: Michael Mirelez, Cultural
Resources Coordinator
P.O. Box 1160
Thermal, CA 92274

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Attn: Robert Robinson, Chairperson
P.O. Box 1010
Lake Isabella, CA, 93240

Kern Valley Indian Community
Attn: Brandy Kendricks, Tribal Member
Monitor
30741 Foxridge Court
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Attn: Delia Dominguez, Chairperson
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Bakersfield, CA 93305

Morongo Band of Mission Indians
Attn: Ann Brierty, THPO
12700 Pumarra Road
Banning, CA 92220

Morongo Band of Mission Indians
Attn: Robert Martin, Chairperson
12700 Pumarra Road
Banning, CA 92220

Quechan Tribe of the Fort Yuma
Reservation
Attn: Jonathan Koteen, President,
Quechan Tribal Council
P.O. Box 1899
Yuma, AZ 85366

Quechan Tribe of the Fort Yuma
Reservation
Attn: Jill McCormick, Historic
Preservation Officer
P.O. Box 1899
Yuma, AZ 85366

San Fernando Band of Mission Indians
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P.O. Box 343
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Serrano Nation of Mission Indians
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Natural Resource Manager
P.O. Box 589
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Yuhaaviatam of San Manuel Nation
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Manager of CRM
26569 Community Center Drive
Highland, CA 92346

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

SCH #**Project Title:** Galaxy Solar PV & Storage Project by Galaxy Solar Storage, LLC (Terra-Gen)

Lead Agency: Kern County Planning and Natural Resources Department

Contact Person: Mark Tolentino, Planner III

Mailing Address: 2700 M Street, Suite 100

Phone: 661-862-5041

City: Bakersfield

Zip: 93301

County: Kern County

Project Location: County: Kern

City/Nearest Community: Mojave, California City

Cross Streets: 39th Street and Sunset Avenue

Zip Code: 93501

Longitude/Latitude (degrees, minutes and seconds): 34 ° 59 ' 57.72 " N / 118 ° 3 ' 34.53 " W Total Acres: 3,400

Assessor's Parcel No.: 235-132-14; Multiple

Section: Multiple

Twp.: 10N & 11N

Range: 11W

Base: SBBM

Within 2 Miles: State Hwy #: SR-58

Waterways: N/A

Airports: Mojave Air and Space Port

Railways: BNSF Railway

Schools: Mojave Jr/Sr High

Document Type:CEQA: ☒ NOP☐ Draft EIRNEPA: ☐ NOIOther: ☐ Joint Document☐ Early Cons☐ Supplement/Subsequent EIR☐ EA☐ Final Document☐ Neg Dec

(Prior SCH No.) _____

☐ Draft EIS☐ Other: _____☐ Mit Neg Dec

Other: _____

☐ FONSI**Local Action Type:**☐ General Plan Update☐ Specific Plan☒ Rezone☐ Annexation☒ General Plan Amendment☐ Master Plan☐ Prezone☐ Redevelopment☐ General Plan Element☐ Planned Unit Development☒ Use Permit☐ Coastal Permit☐ Community Plan☒ Site Plan☒ Land Division (Subdivision, etc.)☒ Other: Zone Variance**Development Type:**☐ Residential: Units _____ Acres _____☐ Office: Sq.ft. _____ Acres _____ Employees _____☐ Commercial: Sq.ft. _____ Acres _____ Employees _____☐ Industrial: Sq.ft. _____ Acres _____ Employees _____☐ Educational: _____☐ Recreational: _____☐ Water Facilities: Type _____ MGD _____☐ Transportation: Type _____☐ Mining: Mineral _____☒ Power: Type Solar MW 600☐ Waste Treatment: Type _____ MGD _____☐ Hazardous Waste: Type _____☒ Other: Battery Energy Storage Systems (BESS) - 4 GWh/1000 MW**Project Issues Discussed in Document:**☒ Aesthetic/Visual☒ Fiscal☒ Recreation/Parks☒ Vegetation☒ Agricultural Land☒ Flood Plain/Flooding☒ Schools/Universities☒ Water Quality☒ Air Quality☒ Forest Land/Fire Hazard☒ Septic Systems☒ Water Supply/Groundwater☒ Archeological/Historical☒ Geologic/Seismic☒ Sewer Capacity☒ Wetland/Riparian☒ Biological Resources☒ Minerals☒ Soil Erosion/Compaction/Grading☒ Growth Inducement☐ Coastal Zone☒ Noise☒ Solid Waste☒ Land Use☒ Drainage/Absorption☒ Population/Housing Balance☒ Toxic/Hazardous☒ Cumulative Effects☒ Economic/Jobs☒ Public Services/Facilities☒ Traffic/Circulation☐ Other: Tribal Cultural, Green House Gas**Present Land Use/Zoning/General Plan Designation:**

Generally vacant/Various Zoning/Various General Plan Designations

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

The proposed Galaxy Solar PV and Storage Project is a photovoltaic (PV) solar facility with associated infrastructure necessary to generate up to 600 megawatts (MW) of renewable electrical energy with up to 4 gigawatt-hours (GWh) of energy storage capacity (approximately 1,000 MW) on an approximate 3,400 acre project site, across 162 privately owned parcels, in an unincorporated area of southeastern Kern County. Associated project infrastructure includes an operations and maintenance (O&M) facility, telecommunication facilities, energy storage system(s), an onsite collector substation, a 230-kV switchyard, and offsite water storage tanks for construction and operation. A temporary offsite laydown area would be placed adjacent to State Route (SR)-58, at the northern extent of the project site. The proposed project also includes a generation-tie (gen-tie) line to connect the project to the existing Windhub Substation.

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".

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

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

Starting Date September 4, 2025 Ending Date October 6, 2025

Lead Agency (Complete if applicable):

Consulting Firm: _____	Applicant: <u>Galaxy Solar PV and Storage, LLC (Terra-Gen)</u>
Address: _____	Address: <u>11455 El Camino Real, Suite 160</u>
City/State/Zip: _____	City/State/Zip: <u>San Diego CA 92130</u>
Contact: _____	Phone: <u>415-404-0807</u>
Phone: _____	

Signature of Lead Agency Representative: _____ Date: 09/04/2025

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

NOTICE OF PREPARATION

Galaxy Solar PV & Storage Project by Galaxy Solar Storage, LLC (Terra-Gen)

GPA No. 7, Map 212
ZCC No. 5, Map 195
ZCC No. 57, Map 197
ZCC No. 4, Map 212
ZCC No. 5, Map 212
CUP No. 4, Map 195
CUP No. 5, Map 195
CUP No. 24, Map 197
CUP No. 7, Map 212
ZV No. 1, Map 195
ZV No. 2, Map 212
ZV No. 21, Map 197
GPA No. 5, Map 195 (Circulation)
GPA No. 6, Map 212 (Circulation)
Vesting Tentative Parcel Maps (Multiple)

**PLN 23-00839
(PP25404)**

LEAD AGENCY:



Kern County Planning and Natural Resources Department
2700 M Street, Suite 100
Bakersfield, CA 93301-2370

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(661) 862-5041
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September 2025



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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 Galaxy Solar PV & Storage Project (project) proposed by Galaxy Solar Storage, LLC (Terra-Gen) (project proponent) in the unincorporated area of southeastern Kern County, California, Figure 1, *Vicinity Map*.

1. Project Description

1.1 Project Characteristics

The project proposes to develop and operate a photovoltaic (PV) solar facility associated infrastructure necessary to generate up to 600-megawatt (MW) of renewable electrical energy, which may include up to 4 gigawatt-hours (GWh) of energy storage capacity (approximately 1,000 MW), on an approximate 3,400-acre project site, across 162 privately owned parcels, in an unincorporated area of southeastern Kern County, California. A temporary offsite laydown area would be placed adjacent to State Route (SR)-58, at the northern extent of the project site. PV solar panels, a power collection system, including medium-voltage (MV) lines that connect the solar facilities, inverters, foundations, and transformers will be installed onsite. Associated project infrastructure includes an operations and maintenance (O&M) facility, telecommunication facilities, energy storage system(s), an onsite collector substation, a 230-kV switchyard, and offsite water storage tanks for construction and operation. The proposed project also includes a generation-tie (gen-tie) line to connect the project to the existing Windhub Substation. The project may be constructed in multiple phases.

The project proponent has requested Zone Classification Changes (ZCC) to change the existing base zoning district (excluding their combining zone classification) to the A (Exclusive Agriculture) District for those project parcels not already zoned A. Solar energy electrical generators are authorized within the A District with approval of a Conditional Use Permit (CUP) pursuant to Section 19.12.030.G. of the Kern County Zoning Ordinance. Therefore, concurrent approval of the requested ZCCs and the CUPs, in addition to other land use entitlements listed below, are required to develop the project. Private gen-tie lines connecting to the electric grid are exempt from Kern County zoning. Construction and operation of the proposed gen-tie lines, although proposed to be analyzed as part of the overall project, require separate land use permits granted by the Kern County General Services Division.

Power generated by the proposed project would be delivered to the existing Southern California Edison (SCE) Windhub Substation from the onsite collector substation via approximately 16 miles of double-circuit 230-kilovolt (kV) generation tie (gen-tie) line. The majority of this line (approximately 10 miles) would be within an existing gen-tie line corridor, approved as part of the Sanborn Solar Project. A portion of the gen-tie line runs within the boundaries of the approved Enterprise Solar Storage Project. The project includes a new 230-kV switchyard to connect and/or route the project gen-tie circuits into an existing gen-tie corridor, previously approved and constructed as part of the Enterprise Solar Storage Project, and then west towards Southern California Edison's (SCE) Windhub Substation. At this switchyard, the project conductors will be routed off of the Enterprise Solar Storage Project gen-tie poles and onto its own transmission line poles that continue north and then west to the SCE Windhub Substation. The project would interconnect to the existing SCE Windhub Substation from the north or west. Final design, layout,



and required interconnection components would be determined during the detailed engineering design stage. Additional details are provided in Section 1.4.6, *Transmission, Switchyard, and Grid Interconnection*, below.

The overall project boundary consists of two distinct interior boundaries: (1) the CUP boundary, of which acreage specifies areas designated for proposed solar array portions of the project and the proposed 230kV switchyard; and (2) the ZCC boundary, of which acreage specifies entirety of the parcels for which changes in zoning are requested. It should be noted that these two boundaries are not the same and are delineated by proposed legal descriptions. Additional project components that contribute to the overall project include areas affected by accessory structures such as the MV and gen-tie line corridors. The project site consists of the Conditional Use Permit (CUP) boundaries and the entirety of the parcels for which Zone Classification Changes (ZCCs) are requested. The project development footprint consists of the CUP boundaries and the MV and gen-tie corridors. See **Figure 2, Aerial Map**, **Figure 3, Proposed Project CUP Boundary**, and **Figure 4, Proposed CUP vs. ZCC Boundaries**, for reference.

1.2 Project Location

The proposed project site is located at the northern edge of the Antelope Valley, approximately 6 miles southeast of the community of Mojave, approximately 8 miles northeast of the community of Rosamond, and approximately 8 miles northwest of the main base of Edwards Air Force Base. The proposed project is located within the Bissell and Sanborn U.S. Geological Survey 7.5-minute quadrangles, and spans multiple Townships, Ranges, and Sections including the following: Townships 10 and 11 North, Range 11 West, and Sections 3, 4, 8, 9, 28, and 32-34. The proposed project boundary is shown in **Figure 1, Vicinity Map** and in **Figure 2, Aerial Map**.

1.3 Environmental Setting

The project site is generally undeveloped land in the Mojave Desert within the Antelope Valley in southeastern Kern County, California. The project site is in an area of low population density southeast of the Tehachapi Mountains and is traversed by a network of dirt roads. This portion of Kern County is recognized by the National Renewable Energy Laboratory as having solar and wind resources that are suitable for renewable energy development. The project site is located in the vicinity of renewable energy development (Enterprise Solar Project, Sanborn Solar Project, Edwards Airforce Base Solar, and Bellefield Solar Project), Edwards Air Force Base, rural residential development, industrial and mining uses, and undeveloped lands. Land managed by the Bureau of Land Management (BLM) is located immediately to the east but outside of the project site.

The closest sensitive receptor to the project site, on land not owned by the project proponent, is a residence located approximately one mile west at Assessor's Parcel Number (APN) 429-152-21, in Section 12, Township 10 North, Range 12 West.

There are three existing residences within the project site on APNs 244-432-35, 244-432-37, and 244-233-10. These parcels have been acquired by the project proponent, and the existing structures will be demolished as part of project construction, in accordance with Kern County demolition permits and other applicable regulations.

Aerial imagery and code violation case records indicate unauthorized cannabis-growing structures are present on APN 244-431-07, which is adjacent to, but outside of the project site boundary. Project facilities are set back from the non-residential structures on this parcel by a minimum of 100 feet to the north and a



minimum of 45 feet to the east and west. The landowner of this parcel has provided a Project Neighbor Agreement.

The proposed project site has a relatively flat terrain with site elevations ranging between 2,460 and 2,900 feet above mean sea level. Additionally, the surface and near-surface soils at the project are mapped as alluvium. Fill material associated with construction of existing onsite roadways and other infrastructure is also anticipated to be present at the project site. The nearest active fault is located approximately 13.5 miles northwest of the project site. Therefore, the seismic activity and soil type of the project area contribute to soil stability of the proposed project site. Desert vegetation dominates the regional landscape of the proposed project site and comprises Mojave Desert scrub (creosote bush scrub, cheesebush scrub) and non-native grassland.

As shown in **Figure 5**, *Floodplain Map*, a Federal Emergency Management Agency (FEMA)-designated flood zone, Flood Zone “A,” spans a portion of the project site, indicating that this area could flood during a 100-year flood event. Project facilities located within a FEMA-designated flood zone would be designed to meet County requirements. All portions of the project site located outside of Flood Zone “A” are located within FEMA-designated Flood Zone “X,” which indicates areas of minimal flood hazard. The project site has a relatively flat terrain with elevations ranging between 2,460 and 2,900 feet above mean sea level due to its location south of the Tehachapi Mountains, where lands gradually slope downward from the northwest towards the southeast. The project site is not identified as a wetland area on the National Wetlands Inventory.

The proposed project site is not designated by the California Department of Conservation as Prime Farmland, Farmland of Statewide Importance, or Unique Farmland. The proposed project site is not located within the boundaries of an Agricultural Preserve or subject to a Williamson Act contract.

Additionally, 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. The project site 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, there are no oil wells identified onsite.

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 and KCFD fire station (Station No. 14) that would serve the proposed project are both located in the community of Mojave. The nearest hospital is the Antelope Valley Medical Center at 1600 W Ave J in the City of Lancaster, which is approximately 20 miles to the southwest of the project site. The closest school is the Mojave Junior/Senior High School, located approximately 7 miles northwest of the project site.

The project site is subject to the provisions of the Kern County General Plan, with land use designations specified by the following Map Codes: 3.3 (Other Facilities), 3.3/2.4 (Other Facilities/Steep Slope), 3.3/2.5 (Other Facilities/Flood Hazard), 5.7 (Minimum 5 Gross Acres/Unit), 8.5 (Resource Management, Min. 20 Acre), 8.5/2.4 (Resource Management, Min. 20 Acre/Steep Slope), 8.5/2.5 (Resource Management, Min. 20 Acre/Flood Hazard). See **Table 1**, *Project Assessor Parcel Numbers, Existing and Proposed Land Use Zoning, and Acreages*, and **Figure 6**, *Existing General Plan Map*.



The proposed project, proposed as one singular project site, is subject to the provisions of the Kern County Zoning Ordinance and spans across Zone Maps 195 and 212. As shown in **Table 1** and **Figure 7, Existing Zoning Classifications**, the project site consists of the A-1 (Limited Agriculture) zone district.

The project proponent is seeking a ZCC to change the existing zoning on the project site to Exclusive Agriculture. Solar energy electrical generators are authorized within the Exclusive Agriculture zoning district with approval of a CUP.

The Mojave Air & Space Port is located approximately 4.5 miles northwest of the project site. No portion of the project site is located within an area governed by the Kern County Airport Land Use Compatibility Plan (ALUCP); however, a portion of the proposed gen-tie route falls within the Airport Influence Area. The proposed project would be required to comply with the Kern County ALUCP.



KERN COUNTY PLANNING AND NATURAL RESOURCES DEPARTMENT
Galaxy Solar PV & Storage Project (Terra-Gen)

Table 1: Project Assessor Parcel Numbers, Existing and Proposed Land Use Zoning, and Acreages

Parcel Count	Case Map/Section Detail	APN	Parcel Size (Assessor Acres)	CUP ACRES	General/Specific Plan	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning	Proposed Zoning	Zone Variance Required
CUP 4, MAP 195										
1	195	235-102-05	63.67	63.67	KCGP	8.5	8.5	A-1	A	No
2	195	235-102-08	40	40	KCGP	8.5	8.5	A-1	A	No
3	195	235-102-17	40	40	KCGP	8.5	8.5	A-1	A	No
4	195	235-102-23	10	10	KCGP	8.5	8.5	A-1	A	No
5	195	235-102-24	10	10	KCGP	8.5	8.5	A-1	A	No
6	195	235-102-25	10	10	KCGP	8.5	8.5	A-1	A	No
7	195	235-102-26	47.93	47.93	KCGP	8.5	8.5	A-1	A	No
8	195	235-132-14	275.34	275.34	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
9	195	235-134-14	41.62	24.22	KCGP	8.5	8.5	A-1	A	No
10	195	235-140-01	40	40	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
11	195	235-140-02	40	40	KCGP	8.5	8.5	A-1	A	No
12	195	235-140-03	10	10	KCGP	8.5	8.5	A-1	A	No
13	195	235-140-04	10	10	KCGP	8.5	8.5	A-1	A	No
14	195	235-140-05	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
15	195	235-140-06	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
16	195	235-140-07	10	10	KCGP	8.5	8.5	A-1	A	No
17	195	235-140-09	10	10	KCGP	8.5	8.5	A-1	A	No
18	195	235-140-11	10	10	KCGP	8.5	8.5	A-1	A	No
19	195	235-140-12	10	10	KCGP	8.5	8.5	A-1	A	No
20	195	235-140-13	10	10	KCGP	8.5	8.5	A-1	A	No
21	195	235-140-14	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
22	195	235-140-15	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
23	195	235-140-16	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
24	195	235-140-17	10	10	KCGP	8.5	8.5	A-1	A	No
25	195	235-140-19	62	62	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
26	195	235-140-21	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
27	195	235-140-22	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
28	195	235-140-24	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
29	195	235-140-25	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
30	195	235-140-26	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
31	195	235-140-27	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
32	195	235-140-28	2.58	2.58	KCGP	8.5	8.5	A-1	A	No
33	195	235-140-29	2.58	2.58	KCGP	8.5	8.5	A-1	A	No
34	195	235-140-30	2.58	2.58	KCGP	8.5	8.5	A-1	A	No
35	195	235-140-31	2.58	2.58	KCGP	8.5	8.5	A-1	A	No



KERN COUNTY PLANNING AND NATURAL RESOURCES DEPARTMENT
Galaxy Solar PV & Storage Project (Terra-Gen)

Parcel Count	Case Map/Section Detail	APN	Parcel Size (Assessor Acres)	CUP ACRES	General/Specific Plan	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning	Proposed Zoning	Zone Variance Required
36	195	235-140-33	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
37	195	235-140-34	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
38	195	235-401-05	10.23	10.23	KCGP	8.5	8.5	A-1	A	No
39	195	235-401-06	10.23	10.23	KCGP	8.5	8.5	A-1	A	No
40	195	235-401-16	2.56	2.56	KCGP	8.5	8.5	A-1	A	No
41	195	235-402-04	10.23	10.23	KCGP	8.5	8.5	A-1	A	10.23
42	195	235-402-05	10.23	10.23	KCGP	8.5	8.5	A-1	A	10.23
43	195	235-402-06	10.23	10.23	KCGP	8.5	8.5	A-1	A	10.23
44	195	235-402-07	10.23	10.23	KCGP	8.5	8.5	A-1	A	10.23
45	195	235-410-34	30.52	30.52	KCGP	8.5	8.5	A-1	A	No
46	195	235-410-35	31.43	31.43	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
CUP 4, MAP 195 TOTALS:			966.77	949.37						40.92
CUP 7, MAP 212										
47	212	244-220-01	321.82	321.82	KCGP	8.5	8.5	A-1	A	No
48	212	244-220-02	320	151.66	KCGP	8.5, 8.5/2.4	8.5, 8.5/2.4	A-1	A	No
49	212	244-233-05	60	60	KCGP	8.5, 8.5/2.4	8.5, 8.5/2.4	A-1	A	No
50	212	244-233-06	20	20	KCGP	3.3	8.5	A-1	A	No
51	212	244-233-07	20	20	KCGP	8.5	8.5	A-1	A	No
52	212	244-233-09	20	20	KCGP	8.5	8.5	A-1	A	No
53	212	244-233-10	20	20	KCGP	8.5	8.5	A-1	A	No
54	212	244-233-11	60	60	KCGP	8.5	8.5	A-1	A	No
55	212	244-233-12	36.12	36.12	KCGP	8.5	8.5	A-1	A	No
56	212	244-233-13	16.3	16.3	KCGP	8.5, 8.5/2.4	8.5, 8.5/2.4	A-1	A	No
57	212	244-233-14	15.72	15.72	KCGP	8.5, 8.5/2.4	8.5, 8.5/2.4	A-1	A	No
58	212	244-233-15	32.44	32.44	KCGP	8.5	8.5	A-1	A	No
59	212	244-233-16	480	480	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
60	212	244-233-17	160	137.5	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
61	212	244-421-01	159.89	152.97	KCGP	3.3, 3.3/2.4	8.5, 8.5/2.4	A-1	A	No
62	212	244-421-02	7.48	7.48	KCGP	8.5/2.5	8.5/2.5	A-1	A	7.48
63	212	244-421-03	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
64	212	244-421-04	9.98	9.98	KCGP	8.5	8.5	A-1	A	No
65	212	244-421-06	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
66	212	244-421-07	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
67	212	244-421-08	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
68	212	244-421-09	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
69	212	244-421-11	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
70	212	244-421-17	10	10	KCGP	8.5	8.5	A-1	A	No
71	212	244-421-18	10	10	KCGP	8.5	8.5	A-1	A	No



KERN COUNTY PLANNING AND NATURAL RESOURCES DEPARTMENT
Galaxy Solar PV & Storage Project (Terra-Gen)

Parcel Count	Case Map/Section Detail	APN	Parcel Size (Assessor Acres)	CUP ACRES	General/Specific Plan	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning	Proposed Zoning	Zone Variance Required
72	212	244-421-19	10	10	KCGP	8.5	8.5	A-1	A	No
73	212	244-421-24	9.99	9.99	KCGP	8.5	8.5	A-1	A	No
74	212	244-421-25	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
75	212	244-421-26	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
76	212	244-421-27	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
77	212	244-421-28	2.59	2.59	KCGP	8.5	8.5	A-1	A	2.59
78	212	244-421-29	2.59	2.59	KCGP	8.5	8.5	A-1	A	2.59
79	212	244-421-30	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
80	212	244-421-31	2.58	2.58	KCGP	8.5	8.5	A-1	A	No
81	212	244-421-32	2.58	2.58	KCGP	8.5	8.5	A-1	A	No
82	212	244-421-33	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
83	212	244-421-34	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
84	212	244-421-35	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
85	212	244-421-36	2.59	2.59	KCGP	8.5	8.5	A-1	A	No
86	212	244-421-37	2.5	2.5	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
87	212	244-421-38	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
88	212	244-421-39	2.5	2.5	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
89	212	244-421-40	2.5	2.5	KCGP	8.5/2.5	8.5/2.5	A-1	A	No
90	212	244-421-41	2.49	2.49	KCGP	8.5	8.5	A-1	A	No
91	212	244-421-42	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
92	212	244-421-43	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
93	212	244-421-44	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
94	212	244-421-45	2.59	2.59	KCGP	8.5/2.5	8.5/2.5	A-1	A	No
95	212	244-421-46	2.59	2.59	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
96	212	244-421-47	2.59	2.59	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
97	212	244-421-48	2.59	2.59	KCGP	8.5/2.5	8.5/2.5	A-1	A	No
98	212	244-421-49	2.6	2.6	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
99	212	244-421-50	2.6	2.6	KCGP	8.5/2.5	8.5/2.5	A-1	A	No
100	212	244-421-51	2.6	2.6	KCGP	8.5	8.5	A-1	A	No
101	212	244-421-52	2.6	2.6	KCGP	8.5	8.5	A-1	A	No
102	212	244-421-53	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
103	212	244-421-54	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
104	212	244-421-55	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
105	212	244-421-56	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
106	212	244-431-01	20	20	KCGP	8.5	8.5	A-1	A	No
107	212	244-431-02	10	10	KCGP	8.5	8.5	A-1	A	No
108	212	244-431-03	10	10	KCGP	8.5	8.5	A-1	A	No
109	212	244-431-04	10	10	KCGP	8.5	8.5	A-1	A	No



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Parcel Count	Case Map/Section Detail	APN	Parcel Size (Assessor Acres)	CUP ACRES	General/Specific Plan	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning	Proposed Zoning	Zone Variance Required
110	212	244-431-05	10	10	KCGP	8.5	8.5	A-1	A	No
111	212	244-431-06	20	20	KCGP	8.5	8.5	A-1	A	No
112	212	244-431-08	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
113	212	244-431-09	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
114	212	244-431-10	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
115	212	244-431-11	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
116	212	244-432-33	20	20	KCGP	8.5	8.5	A-1	A	No
117	212	244-432-35	10	10	KCGP	5.7	8.5	A-1	A	No
118	212	244-432-36	10	10	KCGP	8.5	8.5	A-1	A	No
119	212	244-432-37	40	40	KCGP	8.5	8.5	A-1	A	No
120	212	244-451-09	40	40	KCGP	8.5	8.5	A-1	A	No
121	212	244-452-05	10	10	KCGP	8.5	8.5	A-1	A	No
122	212	244-452-06	10	10	KCGP	8.5	8.5	A-1	A	No
123	212	244-452-07	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
124	212	244-452-08	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
125	212	244-453-01	10	10	KCGP	8.5	8.5	A-1	A	No
126	212	244-453-02	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
127	212	244-453-03	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
128	212	244-453-04	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
129	212	244-453-05	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
130	212	244-453-06	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
131	212	244-453-07	10	10	KCGP	8.5	8.5	A-1	A	No
132	212	244-453-08	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
133	212	244-453-09	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
134	212	244-453-10	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
135	212	244-453-11	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
136	212	244-453-12	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
137	212	244-453-13	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
138	212	244-453-14	10	10	KCGP	8.5, 8.5/2.5	8.5, 8.5/2.5	A-1	A	No
139	212	244-454-01	10	10	KCGP	8.5	8.5	A-1	A	No
140	212	244-454-02	10	10	KCGP	8.5	8.5	A-1	A	No
141	212	244-454-03	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
142	212	244-454-04	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
143	212	244-454-05	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
144	212	244-454-06	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
145	212	244-454-07	10	10	KCGP	8.5	8.5	A-1	A	No
146	212	244-454-08	5	5	KCGP	8.5	8.5	A-1	A	No
147	212	244-454-09	2.5	2.5	KCGP	8.5	8.5	A-1	A	No



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Parcel Count	Case Map/Section Detail	APN	Parcel Size (Assessor Acres)	CUP ACRES	General/Specific Plan	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning	Proposed Zoning	Zone Variance Required
148	212	244-454-10	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
149	212	244-454-11	10	10	KCGP	8.5	8.5	A-1	A	No
150	212	244-454-12	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
151	212	244-454-13	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
152	212	244-454-14	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
153	212	244-454-15	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
154	212	244-454-16	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
155	212	244-454-17	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
156	212	244-454-19	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
157	212	244-454-21	2.5	2.5	KCGP	8.5	8.5	A-1	A	No
CUP 7, MAP 212 TOTALS:				2344.05						12.66
Affected Off-Site Parcels										
ZCC 57, MAP 197; CUP 24, MAP 197; ZV 21, MAP 197 Proposed Switchyard										
158	197	237-332-15	10	10	KCGP	8.5	8.5	A-1	A	10
159	197	237-332-16	5	5	KCGP	8.5	8.5	A-1	A	5
160	197	237-332-17	5	5	KCGP	8.5	8.5	A-1	A	5
161	197	237-332-18	9.82	5.3	KCGP	8.5	8.5	A-1	A	9.82
162	197	237-332-19	5	4.1	KCGP	8.5	8.5	A-1	A	5
TOTALS:				34.82						34.82
CUP 5, Map 195 Temporary Offsite Laydown Yard										
163	195	235-134-14	41.62	17.4	KCGP	8.5	8.5	A-1	A	No
ZCC 5, Map 212 Proposed Water Storage Area										
164	212	244-234-03	20.26	N/A	KCGP	8.5	8.5	A-1	A	No
Alternate Gen-Tie Lines (new)										
165	195	235-132-16	591.92	N/A	KCGP	8.5/2.4,8.5	8.5/2.4,8.5	A-1	A-1	No
166	195	235-132-56	5.25	N/A	KCGP	8.5	8.5	A-1	A-1	No
167	196	428-202-34	2.3	N/A	KCGP	8.5	8.5	A-1	A-1	No
168	196	428-202-35	2.28	N/A	Mojave	8.5	8.5	A-1	A-1	No
169	196	428-202-36	2.27	N/A	Mojave	8.5	8.5	A-1	A-1	No
170	196	428-202-37	2.26	N/A	Mojave	8.5	8.5	A-1	A-1	No
171	196	428-202-38	2.29	N/A	Mojave	8.5	8.5	A-1	A-1	No
172	196	428-202-39	3.66	N/A	Mojave	8.5	8.5	A-1	A-1	No
Proposed Gen-Tie Line (new)										
173	195	235-132-13	157.27	N/A	KCGP	8.5	8.5	A-1	A-1	No
174	195	235-132-52	2.73	N/A	KCGP	8.5	8.5	A-1	A-1	No
175	195	235-212-20	9.32	N/A	KCGP	8.5	8.5	A-1	A-1	No
176	195	235-212-21	9.32	N/A	KCGP	8.5	8.5	A-1	A-1	No
177	195	235-213-01	2.16	N/A	KCGP	8.5	8.5	A-1	A-1	No



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Parcel Count	Case Map/Section Detail	APN	Parcel Size (Assessor Acres)	CUP ACRES	General/Specific Plan	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning	Proposed Zoning	Zone Variance Required
178	195	235-213-10	2.16	N/A	KCGP	8.5	8.5	A-1	A-1	No
179	195	235-213-14	7.16	N/A	KCGP	8.5	8.5	A-1	A-1	No
180	195	235-213-17	2.16	N/A	KCGP	8.5	8.5	A-1	A-1	No
181	196	428-030-05	120	N/A	Mojave	8.5	8.5	A-1, A-1 H	A-1, A-1 H	No
182	196	428-172-10	160	N/A	Mojave	8.5	8.5	A-1, A-1 H	A-1, A-1 H	No
183	196	428-173-01	120	N/A	Mojave	8.5	8.5	A-1	A-1	No
184	196	428-173-04	2.5	N/A	Mojave	8.5	8.5	A-1	A-1	No
185	196	428-173-05	2.56	N/A	Mojave	8.5	8.5	A-1	A-1	No
186	196	428-173-06	10	N/A	Mojave	8.5	8.5	A-1	A-1	No
187	196	428-173-07	2.56	N/A	Mojave	8.5	8.5	A-1	A-1	No
188	196	428-173-08	2.56	N/A	Mojave	8.5	8.5	A-1	A-1	No
189	196	428-173-11	10	N/A	Mojave	8.5	8.5	A-1	A-1	No
190	196	428-174-16	7.5	N/A	Mojave	8.5	8.5	A-1	A-1	No
191	196	428-174-17	2.5	N/A	Mojave	8.5	8.5	A-1	A-1	No
192	196	428-174-18	5	N/A	Mojave	8.5	8.5	A-1	A-1	No
193	196	428-174-29	5	N/A	Mojave	8.5	8.5	A-1	A-1	No
194	196	428-174-33	20	N/A	Mojave	8.5	8.5	A-1	A-1	No
195	196	428-174-35	10	N/A	Mojave	8.5	8.5	A-1	A-1	No
196	196	428-174-36	20	N/A	Mojave	8.5	8.5	A-1	A-1	No
197	196	428-200-02	0	N/A	Mojave	8.5,8.5/2.5	8.5,8.5/2.5	A-1, FPS	A-1, FPS	No
198	196	428-201-16	33	N/A	Mojave	8.5,8.5/2.5	8.5,8.5/2.5	A-1, FPS	A-1, FPS	No
199	196	428-202-07	5	N/A	Mojave	8.5	8.5	A-1	A-1	No
200	196	428-202-41	9.24	N/A	Mojave	8.5	8.5	A-1, FPS	A-1, FPS	No
201	196	428-202-44	1.99	N/A	Mojave	8.5	8.5	A-1	A-1	No
202	196	428-202-45	2.5	N/A	Mojave	8.5	8.5	A-1	A-1	No
203	196	428-202-40	3.72	N/A	Mojave	8.5	8.5	A-1	A-1	No
204	197	237-332-11	10	N/A	KCGP	8.5	8.5	A-1	A-1	No
205	197	237-114-04	2.64	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
206	197	237-114-03	2.53	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
207	197	237-114-06	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
208	197	237-114-07	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
209	197	237-114-10	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
210	197	237-114-09	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No



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Parcel Count	Case Map/Section Detail	APN	Parcel Size (Assessor Acres)	CUP ACRES	General/Specific Plan	Existing General Plan Designation	Proposed General Plan Designation	Existing Zoning	Proposed Zoning	Zone Variance Required
211	197	237-114-16	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
212	197	237-113-13	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
213	197	237-113-14	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
214	197	237-113-15	2.52	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
215	197	237-113-16	2.11	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
216	197	237-113-09	2.11	N/A	KCGP	8.5	8.5	PL RS	PL RS	No
217	197	237-031-38	556.36	N/A	KCGP	8.5	8.5	A WE	A WE	No
218	197	237-031-04	636.36	N/A	KCGP	8.4	8.4	A WE	A WE	No
219	212	244-411-01	0	N/A	KCGP	8.5/2.4,8.5	8.5/2.4,8.5	A-1	A-1	No
220	212	244-234-02	161.46	N/A	KCGP	8.5/2.4,8.5	8.5/2.4,8.5	A-1	A-1	No
221	212	244-234-03	20	N/A	KCGP	8.5	8.5	A-1	A-1	No
222	212	244-234-16	10	N/A	KCGP	8.5	8.5	A-1	A-1	No
223	212	244-234-17	10	N/A	KCGP	8.5	8.5	A-1	A-1	No
224	212	244-234-29	5.05	N/A	KCGP	8.5	8.5	A-1	A-1	No
225	212	244-234-30	10.02	N/A	KCGP	8.5	8.5	A-1	A-1	No
226	212	244-234-32	20	N/A	KCGP	8.5	8.5	A-1	A-1	No
227	212	244-234-35	10.02	N/A	KCGP	8.5	8.5	A-1	A-1	No
228	213	429-030-02	320.17	N/A	Mojave, West Edwards Road Settlement	8.5/2.4, 8.5/2.5, 8.5	8.5/2.4, 8.5/2.5, 8.5	A-1, FPS	A-1, FPS	No
Medium-Voltage Transmission and Access Easement										
229	195	235-401-17	10.23	N/A	KCGP	8.5	8.5	A-1	A-1	No
SCE/CPC Parcels Potential Work Area										
230	197	237-032-38	88.69	N/A	KCGP	7.3	7.3	M-3	M-3	No
231	197	237-032-39	225.34	N/A	KCGP	7.3	7.3	M-4	M-3	No

Note: No zone variances are requested for those parcels less than the minimum required size of 20 acres for which proposed Vesting Tentative Parcel Maps would resolve parcel size.



Table 2, Proposed Project Site and Surrounding Land Uses, demonstrates the existing land use of the proposed project site and surrounding areas.

Table 2: Proposed Project Site and Surrounding Land Uses

Area	Existing Land Use	Existing General Plan Map Code Designation ^{1/}	Existing Zoning Classification ^{2/}
Project Site	Generally undeveloped/vacant land, various named and unnamed dirt roads	3.3, 3.3/2.4, 3.3/2.5, 5.7, 8.5, 8.5/2.4, 8.5/2.5	A-1
North	Generally vacant/undeveloped land; Bellefield Solar Project (approved site)	1.2, 8.5, 8.5/2.5	A-1
East	Generally vacant/undeveloped land, BNSF Railway	1.1, 8.5, 8.5/2.5	A-1
South	Generally vacant/undeveloped land, solar development, Edwards Air Force Base	1.1	A-1
West	Generally vacant/undeveloped land, BNSF Railway, Enterprise Solar Project (approved site), rural residential properties.	5.7, 8.5, 4.1 (Low Density Residential)	A-1, A, E
1/ Kern County General Plan (KCGP) and Specific Plan (SP) Map Code Designation: 1.1 (State and Federal Land) 1.2 (Incorporated Cities) 2.4 (Steep Slope) 2.5 (Flood Hazard) 3.3 (Other Facilities) 4.1 (Accepted County Plan Areas) 5.7 (Minimum 5 Gross Acres/Unit) 8.5 (Resource Management, Min. 20 Acre) 2/ Kern County Zoning District: - A (Exclusive Agriculture); A-1 (Limited Agriculture); and E (Estate)			

1.4 Project Description

The proposed project includes the construction, operation, maintenance, and eventual decommissioning of an approximate 600-MW PV solar facility that may include up to 4 GWh of energy storage capacity, on approximately 3,400 acres across 162 privately owned parcels in an unincorporated area of southeastern Kern County, California. In the event the project proponent does not develop energy storage within the areas illustrated in the proposed site plans, the project proponent would instead develop PV panels throughout the project site, but the total output (up to 600 MW) would not change. As shown previously in **Table 1**, additional parcels affected by project-related offsite construction and operation are also listed, with proposed uses including: temporary construction laydown yard, off-site water storage system, a MV transmission and access easement, and SCE/CPC parcels potential work area. The proposed project would interconnect via gen-tie facilities to the SCE Windhub Substation, as shown in **Figure 2, Aerial Map**.

Infrastructure associated with the project would include PV solar generating facilities and solar modules, energy storage system(s), electrical collection system and inverters, one onsite collector substation, one switchyard, grid interconnection, telecommunication facilities, site access and security, which are described in further detail in **Section 1.4, Project Facilities, Construction Activities, and Operations**. Primary access to the proposed project site would be from the current mapped alignment of 45th Street via SR-58 with additional access from the current alignment of Silver Queen Road via United Street. Current legal



access for all existing residences will be preserved. Therefore, legal access to existing residences will not be hindered by the project.

Implementation of the project as proposed includes the following requests (see **Table 1**, *Project Assessor Parcel Numbers, Existing and Proposed Land Use Zoning, and Acreages*, **Figure 8**, *Proposed Zone Classifications*, **Figure 9**, *Proposed General Plan Map*, and **Figure 10**, *Proposed General Plan Amendment (Circulation)*).

Zone Change

- (a) Zone Classification Change No. 5, Map 195 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) on approximately 966.77 acres;
- (b) Zone Classification Change No. 4, Map 212 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) on approximately 2,344.05 acres.

Conditional Use Permit

- (a) Conditional Use Permit No. 4, Map 195, to allow for the construction and operation of a solar facility up to 150 MW and associated infrastructure, including energy storage, a switchyard, and temporary construction staging and equipment storage on approximately 949.37 acres in an A (Exclusive Agriculture) District, pursuant to Chapter 19.12.030.G and 19.12.030.K of the Kern County Zoning Ordinance;
- (b) Conditional Use Permit No. 5, Map 195, to allow for a temporary construction laydown area on approximately 17.4 acres of a 41.62 acre parcel, pursuant to Chapter 19.12.030.G and 19.12.030.K of the Kern County Zoning Ordinance;
- (c) Conditional Use Permit No. 7, Map 212, to allow for the construction and operation of a solar facility up to 450 MW and associated infrastructure, including energy storage, a switchyard, and temporary construction staging and equipment storage on approximately 2,146.29 acres in an A (Exclusive Agriculture) District, pursuant to Chapter 19.12.030.G and 19.12.030.K of the Kern County Zoning Ordinance;

General Plan Amendment

- (a) General Plan Amendment No. 5, Map 195, to the Circulation Element of the Kern County General Plan (General Plan) to remove future road reservations on section *and* mid-section lines within the project boundary, as shown in **Table 3**;
- (b) General Plan Amendment No. 6, Map 212, to the Circulation Element of the General Plan to remove future road reservations on section and mid-section lines within the project boundary, as shown in **Table 3**;
- (c) General Plan Amendment No. 7, Map 212, to the Open Space, Land Use, and Conservation Element of the General Plan to re-designate two parcels (APNs 244-233-06 and 244-421-01) from General Plan Designation 3.3 (Other Facilities) to General Plan Designation 8.5 (Resource Management).

Zone Variance

- (a) Zone Variance No. 1, Map 195, to authorize multiple parcels of substandard size where a minimum of 20 acres is required for each change in base zoning from the A-1 (Limited Agriculture) District to the A (Exclusive Agriculture) District across approximately 40.92 total acres;



- (b) Zone Variance No. 2, Map 212, to authorize multiple parcels of substandard size where a minimum of 20 acres is required for each change in base zoning from the A-1 (Limited Agriculture) District to the A (Exclusive Agriculture) District across approximately 12.66 total acres.

Offsite Features:

- (a) Zone Classification Change No. 5, Map 212 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) to facilitate installation of offsite water storage tanks for construction and operations on approximately 20.26 acres;
- (b) Zone Classification Change No. 57, Map 197 from A-1 (Limited Agriculture) to A (Exclusive Agriculture) to facilitate installation construction and operation of an off-site switchyard and temporary construction and equipment storage on approximately 34.82 acres;
- (c) Conditional Use Permit No. 24, Map 197, to allow for the construction and operation of an off-site switchyard and temporary construction staging and equipment storage on approximately 29.4 acres in an A (Exclusive Agriculture) District, pursuant to Chapter 19.12.030.G and 19.12.030.K of the Kern County Zoning Ordinance;
- (d) Zone Variance No. 21, Map 197, to authorize multiple parcels of substandard size where a minimum of 20 acres is required for each change in base zoning from the A-1 (Limited Agriculture) District to the A (Exclusive Agriculture) District across approximately 34.82 total acres.

Franchise Agreement

The project may also enter into a franchise agreement for the ROW along 45th Street to use for underground MV transmission. An application will be submitted to the Kern County General Services-Property Management Division under separate cover.

Removal of Road Reservations

The project includes a request for an amendment to the Circulation Element of the Kern County General Plan to remove future road reservations at section and mid-section lines within and adjacent to the project site. **Table 3, Road Reservations Requested for Removal** below, details the section and mid-section line road reservations requested for removal. The future road reservations proposed for removal through general plan amendment are depicted in **Figure 10, Proposed General Plan Amendment (Circulation)**.

Table 3: Road Reservations Requested for Removal

Section/ Township/ Range	Type	Location	Description	Notes
3/10N/11W	Mid-Section	North-South	North-South mid-section line	
3/10N/11W	Mid-Section	East-West	East-West mid-section line	
3/10N/11W	Section	North	Northern section line	
3/10N/11W	Section	East	Eastern section line	
3/10N/11W	Section	West	Western section line	
3/10N/11W	Section	South	Western half of South section line	
4/10N/11W	Mid-Section	North-South	North-South mid-section line	
4/10N/11W	Mid-Section	East-West	East-West mid-section line	
4/10N/11W	Section	North	Northern section line	
4/10N/11W	Section	East	Eastern section line	



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Section/ Township/ Range	Type	Location	Description	Notes
4/10N/11W	Section	South	Southern section line	
4/10N/11W	Section	West	Western section line	
8/10N/11W	Mid-Section	North-South	North-South mid-section line	
8/10N/11W	Mid-Section	East-West	East-West mid-section line	
8/10N/11W	Section	West	Northern half of western section line	
8/10N/11W	Section	East	Eastern section line	
8/10N/11W	Section	North	Northern section line	
8/10N/11W	Section	South	Southern section line	
9/10N/11W	Mid-Section	North-South	North-South mid-section line	
9/10N/11W	Mid-Section	East-West	East-West mid-section line	
9/10N/11W	Section	North	Northern section line	
9/10N/11W	Section	South	Southern section line	
9/10N/11W	Section	East	Eastern section line	
9/10N/11W	Section	West	Western section line	
10/10N/11W	Section	North	Western half of the section line	
10/10N/11W	Section	West	Western section line	
28/11N/11W	Mid-Section	West	Western half of the east/west mid-section line	
28/11N/11W	Mid-Section	North-South	North-South mid-section line	
28/11N/11W	Section	South	South section line	
32/11N/11W	Section	East	Eastern section line	
32/11N/11W	Section	North	East half of the North Section line	
33/11N/11W	Mid-Section	North-South	North-South mid-section line	Crosses BNSF Railway
33/11N/11W	Mid-Section	East-West	East-West mid-section line	Crosses BNSF Railway
33/11N/11W	Section	East	Eastern section line	Crosses BNSF Railway
33/11N/11W	Section	South	Southern section line	
33/11N/11W	Section	North	Northern section line	
33/11N/11W	Section	West	Western section line	Crosses BNSF Railway
34/11N/11W	Mid-Section	West	West portion of the East-West mid-section line	
34/11N/11W	Section	West	Western section line	
34/11N/11W	Section	South	Southern section line	
34/11N/11W	Section	North	West half of the North section line	
34/11N/11W	Mid-Section	North-South	South portion of the north/south mid-section line	

Vacation of Named Roads Appearing in Case Maps

Named, but not yet developed, roadways also appear on case maps previously recorded on the proposed project site. Should the environmental review or public and agency notification process result in the



determination that additional vacations are required, appropriate applications will be submitted to supplement the entitlements listed above..

Vacation of Easements and Vesting Tentative Parcel Maps

It is also anticipated that many project proponent-owned parcels would be merged to the maximum extent feasible with the intention to provide access to one consolidated, large parcel in lieu of coordinating many access points to multiple, smaller parcels. Existing but undeveloped public access easements are proposed to be vacated through parcel maps that have been submitted separately to the Kern County Land Division Unit for review and approval.

The purpose of the request to vacate these undeveloped rights-of-way (ROWs) is to facilitate the optimal layout of solar panels by removal of unused/undeveloped public easements and other ROWs on vacant land. These easements and offers of dedication were created by grant deed or parcel maps. The merging of small project proponent-owned parcels into larger parcels through the parcel map process would allow for granting of fewer access easements to those larger parcels but will ensure legal access to the new parcel and to other non-merged parcels exists. The parcel maps are summarized below and shown in **Figure 11, Vesting Tentative Parcel Map Boundaries**, and **Figure 12, Assessor's Parcelization Map**.

- Vesting Tentative Parcel Map No. 12577—Proposing a merger and re-subdivision of three (3) parcels into one (1) parcel of Case Map 195, Section 28, Township 11 North, Range 11 West, of County of Kern, consisting of 23.02 acres (gross), resulting in a 23.02 acre (gross) parcel.
- Vesting Tentative Parcel Map No. 12578—Proposing a merger and re-subdivision of twenty-eight (28) parcels into one (1) parcel of Case Map 195, Section 33, Township 11 North, Range 11 West, of County of Kern, consisting of 302.32 acres (gross), resulting in a 302.32 acre (gross) parcel.
- Vesting Tentative Parcel Map No. 12579—Proposing a merger and re-subdivision of six (6) parcels into one (1) parcel of Case Map 195, Section 34, Township 11 North, Range 11 West, of County of Kern, consisting of 157.93 acre acres (gross), resulting in a 157.93 acre (gross) parcel.
- Vesting Tentative Parcel Map No. 12580—Proposing a merger and re-subdivision of twenty-seven (27) parcels into one (1) parcel of Case Map 212, Section 4, Township 10 North, Range 11 West, of County of Kern, consisting of 90.81 (acres (gross), resulting in a 90.81 acre (gross) parcel.
- Vesting Tentative Parcel Map No. 12581—Proposing a merger and re-subdivision of fifty-two (52) parcels into one (1) parcel of Case Map 212, Section 4, Township 10 North, Range 11 West, of County of Kern, consisting of 298.29 acres (gross), resulting in a 298.29 acre (gross) parcel.
- Vesting Tentative Parcel Map No. 12582—Proposing a merger and re-subdivision of twenty-four (24) parcels into one (1) parcel of Case Map 212, Section 8, Township 10 North, Range 11 West, of County of Kern, consisting of 500.58 acres (gross), resulting in a 500.58 acre (gross) parcel.

Decommissioning

At the end of the proposed project's anticipated operational life of up to approximately 35 years, the project proponent would determine at that time whether the project site 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 project site is decommissioned, removal of all solar energy generation structures would be removed to facilitate conversion of the site to other uses in accordance with the applicable land use regulations in effect at that time.



1.5 Project Facilities, Construction Activities, and Operations

1.5.1 Project Facilities

The project facilities would include the following components, which are described in greater detail below and shown on **Figure 13, Proposed Site Plan**. Specifications surrounding the selection (manufacturer) of modules, racking, battery energy storage system (BESS), and inverters (among other materials) may have an ultimate impact to the internal layout of the array and BESS and placement of various elements within the project fencing and setbacks resulting in modifications that would be substantially consistent with the proposed site plan.

- Installation of up to 600 MW alternating current (AC) of solar PV modules, mounted on a single-axis racking system. The mounting systems for the modules would be mounted on steel support posts that would be pile-driven into the ground;
- Installation of energy storage facilities and accessory infrastructure that would provide energy storage capacity of up to 4 GWh for the electrical grid, if installed;
- One 230-kV offsite project switchyard or line tap including breakers, disconnect switches, control shelter, and structures;
- One onsite collector substation, including circuit breakers, disconnect switches, metering protection equipment, and main step-up transformer(s);
- A new 230-kV gen-tie line within both new and existing gen-tie corridors, including new poles within the boundaries of the approved Enterprise Solar Storage Project, for ultimate interconnection to the SCE Windhub Substation;
- Overhead and underground collection systems (the collection systems would be aggregated at multiple circuit breakers or MV switchgear positions within the project facilities, leading to the project collector substation);
- Telecommunication equipment, including underground and overhead fiberoptics, and meteorological data collection systems or supervisory control and data acquisition (SCADA);
- One O&M facility with approximately six permanent, full-time employees;
- Drive aisles and internal onsite access roads;
- Perimeter security fencing and nighttime directional lighting; and
- Offsite construction and operations water storage tanks.

1.5.2 Solar PV Generating Facilities and Solar Modules

The proposed project would use PV solar technology designed in a collection of subarrays to convert solar energy directly to electrical power for eventual export to the electrical grid. The project would include installation of PV modules that would be mounted on a single-axis solar tracking system, as shown in **Figure 14, Solar Panel Elevations (Conceptual)**. The tracking system would be supported by steel posts that would be pile-driven into the ground. The modules would be made of a thin film material or crystalline silicon material that would be dark in color, highly absorptive, and have minimum reflectivity. The modules would be manufactured at an offsite location and transported to the site.

Depending on the type of modules used, the panels would typically measure approximately 4.5 feet wide and 8 feet long with the total height of the panel system, measured from the ground surface, would be



approximately 9 to 12 feet. The length of each row of panels would be up to 550 feet and would be oriented in the north-south direction in order to maximize panel surface area relative to the sun, which is southerly in the northern hemisphere. As technology continues to advance, upgraded system dimensions that enable enhanced efficiency and output without expanding the project development footprint may be utilized.

Spacing between each row would be approximately 8 to 22 feet to allow access for maintenance and cleaning. Single-axis tracking systems would employ a motor mechanism that would allow the arrays to track the path of the sun from east to west throughout the day. In the morning, the panels would face east. The panels would slowly move to the upright position at noon and on to the west at sundown. The panels would reset to the east in the evening or early morning to receive sunlight at sunrise.

1.5.3 Battery Energy Storage System

The proposed BESS would use direct current (DC)-coupled and/or AC-coupled battery storage. The DC energy storage system would be distributed and located throughout the solar arrays. The AC energy storage system could be either centralized and located close to the collector substation or distributed throughout the solar arrays, typical BESS facilities are depicted in **Figure 15, Battery Energy Storage System**. In the event the project proponent does not develop energy storage, the proponent would instead develop PV panels in these areas, but the total output (up to 600 MW) would not change.

The energy storage batteries would be housed in purpose-built outdoor enclosures, unless a single, stand-alone structure (discussed below) is utilized. Typically, such energy storage systems are based on lithium-ion battery modules installed in racks and housed in outdoor BESS enclosures. A typical BESS enclosure would house hundreds of battery modules collectively capable of storing between 0.4 to 5 megawatt-hours (MWh) of energy. The modules within each enclosure would be accessed for maintenance from the cabinet's exterior via cabinet doors. To ensure safe and efficient operations, each individual module within an enclosure would be monitored and controlled, and every enclosure would be equipped with integrated operational management systems and fire and safety systems, such as heating ventilation and cooling (HVAC); gas, heat, and smoke detection; and alarms. The battery enclosures are attached to inverters that convert DC to AC (and vice-versa when charging). Starting approximately 5 years after original installation, the project proponent may be required to install additional battery modules and enclosures to augment lost storage capacity, which occurs naturally as the batteries are used. BESS augmentation would occur within areas designated for BESS, as shown on the site plans, and would ensure the project can maintain the full energy storage capacity approved under the project. BESS augmentation would not result in increased storage capacity beyond the amount approved.

The dimensions of a typical BESS enclosure vary between manufacturers and are typically arranged in repeated "blocks" across the site. System blocks may consist of a single enclosure or several smaller enclosures set side-by-side to create banks of batteries with similar overall dimensions. Smaller enclosures are typically closely spaced and may be physically attached at the time of construction; larger enclosures are placed in smaller groupings or individually. An enclosure grouping typically consists of multiple enclosures measuring 10 to 20 feet in height. The number, size, layout, and capabilities of each enclosure will vary depending on the battery enclosure manufacturer design, and the BESS system manufacturer(s) selected for the project. Regardless of the system manufacturer, the project's developed footprint and overall capacity will remain substantially the same. If the battery modules are stored in a single, stand-alone structure instead of individual enclosures, the maximum height (including any screening for HVAC) of the structure would be approximately 35 feet. The batteries under this configuration would be housed in open-air-style racking (similar to computer racking) approximately 10 to 12 feet high. The associated inverters,



transformers, and switchgear would be located immediately adjacent to the structure on concrete pads or on driven pier foundations.

The project and its systems would be designed, constructed, and operated pursuant to the current California and local building code and California Fire Code requirements. The California Fire Code specifies maximum limits on sizing for battery systems, seismic and structural design, spacing, vehicle impact protection, testing, maintenance and repairs, battery management system monitoring, shutdown and notification requirements, automatic smoke detector requirements, automatic fire sprinkler systems and ventilation specifications. Section 1210 of the California Fire Code also requires that the battery systems be “listed,” which is achieved through testing by an Occupational Safety and Health Administration--certified Nationally Recognized Testing Laboratory. The proposed project would be built and operated in accordance with these standards and codes.

The energy storage structure, if used, would also have a fire rating in conformance with Kern County standards and specialized fire suppression systems installed for the battery rooms. All non-battery rooms would have County-approved fire suppression systems. The structure would also have HVAC cooling in the battery room to maintain energy efficiency. Power to the HVAC, lighting, and other equipment would be provided via a connection to the onsite collector substation service transformer with connection lines installed above ground and/or below ground. Generators may be required to provide backup emergency electricity for fire protection. The energy storage system would be unstaffed, with remote operational control and periodic inspections and maintenance performed as necessary.

1.5.4 Electrical Collection System and Inverters

The solar panels would be electrically connected to each other via both aboveground and underground wiring. Underground electrical cables (underground collection system) would be installed from groups of solar arrays that would be arranged into power blocks. The cables would convey DC electricity to inverters, which convert the DC to AC electricity. All electrical inverters and associated transformers would be dispersed among the solar arrays and installed on prefabricated metal skids that would sit on steel pier foundations or concrete foundations, depending on the design. The inverter pad transformers would step up the voltage of the array output to 34.5 kV, which would be collected at the onsite circuit breakers or switchgear positions. From the circuit breakers or switchgear positions, the MV collector lines would be routed underground or aboveground to an onsite collector substation.

1.5.5 Collector Substation

The onsite collector substation is the termination point of the collection system of 34.5-kV AC electricity. At the collector substation, the output of the field of interconnected arrays would be passed through interconnection step-up transformers to convert it from 34.5 kV to 230 kV. The project collector substation would be constructed south of the BNSF Railway, as shown on **Figure 13, Proposed Site Plan**. The collector substation would host the grid intertie safety equipment and switches required to interconnect to the high-voltage transmission system. Generators for backup emergency power would be required. The footprint of the collector substation would be approximately 500 feet in length and 400 feet in width and would be sized to accommodate all required equipment with safety-related setbacks and would consist of components up to 75 feet in height.



1.5.6 Transmission, Switchyard, and Grid Interconnection

Power generated by the proposed project would be delivered to the existing SCE Windhub Substation from the onsite collector substation via approximately 16 miles of single- and double-circuit 230-kV gen-tie line. The majority of this line (approximately 10 miles) would be within an existing gen-tie corridor, approved as part of the Sanborn Solar Project (see **Figure 2, Aerial Map**). A portion of the gen-tie line runs within the boundaries of the nearby Enterprise Solar Storage Project (SCH# 2023050214, Approved March 19, 2024).

The project gen-tie line would extend west from the collector substation and then north for approximately two and a half miles, before turning 90 degrees to the west toward the SCE Windhub Substation via the gen-tie line built as part of the Enterprise Solar Storage Project (see **Figure 2, Aerial Map**). A tap station or switchyard will be needed along the gen-tie route pending final engineering. At this switching area, which consists of 230-kV breakers, poles and structures, disconnect switches, bus work, a control shelter, and other high-voltage equipment, the project conductors will be routed off of the Enterprise Solar Storage Project gen-tie poles and onto its own transmission line poles that continue north and then west to the SCE Windhub Substation. The switchyard would be approximately 250 feet x 250 feet in size and pole heights associated with the switchyard would be less than 250 feet tall. The final design, layout, and required interconnection components would be determined during the detailed engineering design stage.

The new high-voltage 230-kV switchyard also is expected to connect and/or route the gen-tie circuits for the proposed Discovery Solar PV and Storage Project into the previously constructed gen-tie corridor (approved as part of the Sanborn Solar Project) that continue to the SCE Windhub Substation. The Discovery Solar PV and Storage Project is a separate solar energy project proposed by a separate legal entity (Discovery Solar PV and Storage, LLC) on private lands under the County's land use jurisdiction. The Discovery Solar PV and Storage Project is located approximately 9 miles west of the Project and, if approved, would construct and operate a new gen-tie line and other associated infrastructure to interconnect to the SCE Windhub Substation. The projects are expected to have different off-takers under unique power purchase agreements and to have separate interconnection agreements. If both the Project and Discovery Solar PV and Storage Project are approved and proceed to construction, the projects would use the same high-voltage switchyard to route each project's gen-tie circuits north and then west to the SCE Windhub Substation. Using the same high-voltage switchyard for both projects would reduce the overall amount of new infrastructure required for the projects and the corresponding environmental footprint of the two solar projects by constructing a single, shared facility. However, if only the Project is approved, the high-voltage switchyard would be constructed to serve only the Project. Similarly, if only the Discovery Solar PV and Storage Project is approved, the high-voltage switchyard would be built to serve only the Discovery Solar PV and Storage Project. Thus, if approved, each project could and would be built and operated independently of the other, such that each of the projects include a CUP for the switchyard. The County is preparing a separate EIR to support its review of the Discovery Solar PV and Storage Project.

1.5.7 SCE Interconnection

SCE would need to complete system upgrades to facilitate interconnection of the project to the Windhub Substation. This work may include installation of new circuits, riser structures, conductors, switches, utility poles, and jumper wires. Both underground and overhead work will be required. The majority of SCE's work would be performed within the existing SCE-owned Windhub Substation. North of Windhub Substation, SCE's underground work would be performed using a trenchless utility installation method called jack and bore construction to move the 230-kV conductors across Oak Creek Road from north to



south. The jack and bore method uses a boring machine to create a horizontal bore underground and then pushing (jacking) a utility casing into that bore. Bore pits are installed on either side of the bore to facilitate the process. The 230-kV conductors are then pulled through the casing. To complete the interconnection of the project, SCE would pull their 230-kV electrical conductors from the riser structure north of Oak Creek Road to inside the Windhub Substation fence line where the conductors transition to an underground duct bank that eventually connects to another riser structure within the substation and finally to overhead utility structures into the final bay position at Windhub. Riser structures, approximately 110 feet tall, would be needed on both sides of Oak Creek Road. Riser structures transition overhead conductors to underground and then back again. The riser structure on the north side of Oak Creek Road also transitions SCE's conductors to the final utility pole installed by the project proponent thus completing the gen-tie run to Windhub.

While the final design and construction methods are still being developed by SCE, the use of jack and bore construction reduces the need for extensive surface excavation of Oak Creek Road, reducing traffic delays, and minimizing environmental impacts. It is expected that traffic controls, such as flagmen, would be needed during portions of the work for safety reasons.

Pending final SCE engineering, it may be determined that an overhead transition between the project's gen-tie lines and the SCE-owned overhead conductors may be more appropriate than an underground transition. An overhead interconnection may require relocation of existing utility poles and installation of new utility poles on the north and/or west side of Windhub Substation to facilitate this work.

1.5.8 Telecommunication Facilities

The SCADA system is critical to the California Independent System Operator and SCE utility interconnection and provides for the proper operation and maintenance of the project. The system uses proprietary software; fiberoptic communication lines; and communication systems such as telephone and/or radio link. The SCADA system functions as a remote start, stop, reset, and safety lock out for the facility, and provides site diagnostic information from the energy generating facility. The SCADA system would also control the collector substation, allowing for fully centralized operation of the project to meet all California Independent System Operator and utility interconnection requirements.

The proposed project would use local exchange carrier services for telecommunication to support remote monitoring requirements. The proposed project would connect to telecommunication fiberoptic lines owned and managed by AT&T or an alternative provider. The cabinet holding the telecommunication connection equipment would have a base of approximately 4 feet by 2 feet and would be approximately 5 feet in height. From the point of demarcation, an underground or overhead fiberoptic cable would be installed within the project footprint to connect the cabinet to the SCADA equipment within the onsite collector substation.

1.5.9 Operations and Maintenance Facility

It is anticipated that approximately six (6) permanent, full-time employees would be needed to maintain the proposed project. A permanent, onsite O&M facility and/or small satellite offices would be built onsite to facilitate rapid repair of equipment if existing, offsite O&M facilities currently under development are not utilized. If such an onsite O&M facility is constructed, it would be up to 1,000 square feet in size and would include offices, workshops, and conference rooms. The O&M facility is expected to consist of prefabricated commercial structures (conex structures), as shown in **Figure 16, Operations and Maintenance Facility**. Permanent restroom facilities with septic system/tanks and/or portable toilets would be used for sanitary purposes and water would be sourced from trucked water, well water (from onsite and/or offsite wells),



and/or bottled water would be provided for staff. The proposed O&M facility would include the requisite number of parking spaces for staff and visitor vehicles and O&M equipment and would comply with Americans with Disabilities Act requirements. Power for the O&M facility would be provided by either the project's electrical generation or supplied by the local power provider. A back-up generator for critical and emergency facility services with a fuel storage tank would be installed. The O&M facility would also include approved, non-occupied storage outbuildings for hazardous waste, including lithium-ion battery storage and associated containment for oil and fuels and vehicle maintenance. The O&M facility would be sited near the project collector substation, on APN 235-132-14, and access to the proposed location would be on project access roads via Silver Queen Road, as shown on **Figure 16, Operations and Maintenance Facility**.

1.5.10 Site Access and Security

Access to the project site would be off SR-58 along the general alignment of 45th Street via an existing highway deceleration lane. Both public and private access easements will be used to access the portions of the project site that are north of the Burlington Northern Santa Fe (BNSF) Railway. Internal access roads constructed within the project site will lead to an existing at-grade railroad crossing at the general alignment of 55th Street to allow access to the portion of the project site that is south of the BNSF Railway. Secondary access to the project site would occur from the west, via Silver Queen Road (**Figure 2, Aerial Map**).

Internal project access roads would be up to 25 feet wide and would be constructed of compacted native soil for travel and access to the solar blocks and equipment within the site. These project access roads would be used for ongoing O&M activities after construction is completed. Dirt roads that currently service existing utility easements would be left open but may be fenced on either side or gated to facilitate continued access by those utility companies. Third parties would be rerouted to public access routes.

Final project access road alignments would depend on the ultimate placement of the solar panels and on the results of field investigations, including topography and any other site-specific details to be incorporated into the final design. Should project access roads be required to cross streambed areas under the jurisdiction of the California Department of Fish and Wildlife, appropriate crossings would be installed to minimize impacts to these jurisdictional areas and comply with all California Fish and Game Code requirements, including authorization through a Streambed Alteration Agreement, as appropriate.

As stated above, parcel maps will be recorded to eliminate excess public access easements on project proponent-owned properties within the internal project boundaries. New alternate access easements will be granted to facilitate access to non-proponent-owned parcels. Named, but not yet developed, roadways also appear recorded previously on the proposed project site. Should any county-maintained roads be discovered at a later date, a vacation would be included.

The parcel maps would not impede public egress or ingress to any adjacent, non-project properties. The project also requests the removal of future road reservations at section and mid-section lines within the project site; a formal request for a General Plan Amendment has been submitted. The specific roads proposed to be amended or eliminated are displayed in **Table 3, Road Reservations Requested for Removal**, and **Figure 10, Proposed General Plan Amendment (Circulation)**.

All fence installation requirements would be evaluated, and the best-fit scenario would be incorporated at the project site. Fencing would be installed around the perimeter of the project site, collector substation, and other areas requiring controlled access, as needed for safety and security purposes. Fencing would



remain for the life of the project. Final fence design will be developed in consultation with appropriate agencies.

Permanent motion-sensitive, directional security lights would be installed to provide adequate illumination around the collector substation areas, BESS, and points of ingress/egress. All lighting would be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties. All lighting would conform to applicable County Dark Skies Ordinance requirements. Motion-sensitive lighting would be active from dusk to dawn once the project is operational. Motion-sensitive cameras may also be installed throughout the solar arrays at the inverters for added security. If installed, cameras would be mounted on poles approximately 20 feet in height.

1.6 Construction Activities

Construction of the proposed project is expected to last for approximately 26 months and would proceed following receipt of all permits and agency approvals. The construction activities for the proposed project are categorized into three main phases:

- Site Preparation;
- System Installation; and
- Testing, Commissioning, and Cleanup.

Additional details for construction phases and their respective durations and required equipment can be found in **Table 4, Solar PV Construction Activity, Duration, and Equipment**.

Table 4: Solar PV Construction Activity, Duration, and Equipment

Construction Phase ^{1/}	Months	Equipment
Perimeter and Desert Tortoise Fence Installation	2	Skid Steer Loader, Pickup Truck, Flatbed Truck, Trencher
Site Preparation and Clearing/Grading	4	Water Truck, Grader, Bulldozer, 10-Ton Roller, Scraper, Sheepsfoot Roller, Tractor with Mower Attachments
Underground Work (Trenching)	12	Excavator, Sheepsfoot Roller, Water Truck, Generator, Aussie Padder Screening Machine, 4x4 Forklifts
System Installation	14	4x4 Forklift, 80-ton Crane, ATV, Pile Driver, Pickup Truck, Offroad Cement Truck, On-road Cement Truck, Generator
Gen-tie Construction	3	Line Truck with Spool Trailer, Boom Truck with Backhoe, 80-ton Crane
Energy Storage System	4	80-ton Crane, Grader, 4x4 Reach Lift
Testing and Commissioning	4	Pickup Truck
Site Cleanup and Reclamation Restoration	1	Grader, Skid Steer Loader
General Management	26	Onsite Crew Truck, Various On-road Haul Trucks, Various Off-road Haul Trucks
ATV – all-terrain vehicle 1/ Construction activities will overlap.		

1.6.1 Schedule and Workforce

The proposed project would be constructed by several specialized construction contractors. The onsite construction workforce is expected to peak at approximately 550 individuals; however, the average daily workforce is expected to be approximately 250 construction, supervisory, support, and construction management personnel onsite during construction. It is anticipated that the construction workforce would



generally commute to the site each day from local communities and report to designated construction laydown areas prior to the beginning of each workday. Construction staff not drawn from the local labor pool would stay in local hotels in Mojave, Rosamond, Lancaster, or other local communities.

One or more of the temporary laydown areas may be used as a parking and meeting area for construction staff. It is anticipated that the construction workforce would use 45th Street via SR-58 as the point of ingress/egress to the project site and that, once onsite, would access various areas via internal project access roads.

Construction would primarily occur during daylight hours, Monday through Friday, between 6:00 a.m. and 6:00 p.m.; however, some work may occur on Saturday and Sunday, as required, to meet the construction schedule and/or to promote the health and safety of workers. The Kern County Noise Ordinance (Chapter 8.36) limits noise from construction from 9:00 p.m. and 6:00 a.m. on weekdays and 9:00 p.m. to 8:00 a.m. on weekends when occurring within 1,000 feet of an occupied residential dwelling, except in certain circumstances. Project construction work would conform to the County's ordinance. Any construction activities that may need extended hours would be coordinated with the County and appropriate agencies before the activity occurs.

1.6.2 Site Preparation

Construction activities would include mowing, clearing, potential western Joshua tree translocation, excavation, and grading of the site. All applicable local, state, and federal requirements and best management practices (BMPs) would be incorporated into site preparation and construction activities at the project site. Noise-generating construction activities would follow the construction hours noted above. Stationary equipment and machines with the potential to generate a significant increase in noise or vibration levels would be located away from noise receptors to the extent feasible. Initial work on the site would involve preparing the land for installation of arrays, possible energy storage facilities, related infrastructure, access driveways, and temporary construction laydown areas. The construction contractor would be required to incorporate BMPs consistent with the Kern County zoning ordinance as well as guidelines provided in the California Stormwater Quality Association's Construction Best Management Practice Handbook (CASQA 2023), including preparation of a Stormwater Pollution Prevention Plan (SWPPP) and a soil erosion and sedimentation control plan. Prior to initial construction mobilization, preconstruction surveys would be performed, and sediment and erosion controls would be installed in accordance with the approved SWPPP. Stabilized construction entrances and exits would be installed at driveways to reduce tracking of sediment onto adjacent public roadways.

Site preparation would be consistent with Kern County BMPs and Eastern Kern Air Pollution Control District rules for dust control. The proposed project would use construction techniques that minimize soil disturbance and allow water to continue to flow and percolate naturally across the site. Such techniques include clearing and mowing of the site, with minimal overall grading; use of disk-and-roll and micro-grading techniques; and reducing grading to the greatest extent possible to areas where site topography requires smoothing for external fence lines, roads, and project equipment. These construction techniques avoid and minimize environmental impacts, including impacts to air quality, noise, and water quality.

Site preparation would involve the removal and proper disposal of existing vegetation and debris that would unduly interfere with project construction or the health and safety of onsite personnel. Dust-minimizing techniques would be employed, such as maintaining natural vegetation where possible, using a mow-and-roll vegetation clearance strategy, placing wind control fencing, applying water (additional details on water



use are provided further below), and applying dust suppressants. Conventional grading would be performed throughout the site but minimized to the maximum extent possible to reduce unnecessary soil movement that may result in dust. Earthwork scrapers, excavators, dozers, water trucks, haul vehicles, and graders may all be used to perform grading. Land-leveling equipment, such as a smooth steel drum roller, would be used to even the surface of the ground and to compact the upper layer of soil to a value recommended by a geotechnical engineer for structural support. Access roads may be additionally compacted to 90 percent or greater, as required, to support construction and emergency vehicles. Certain access roads may also require the use of aggregate or decomposed granite to meet emergency access requirements.

Trenching would be required for placement of underground electrical and communication lines, and may include the use of trenchers, backhoes, excavators, haul vehicles, compaction equipment, and water trucks. After preparation of the site, the pads for structures, equipment enclosures, and equipment vaults would be prepared per geotechnical engineer recommendations. The collector substation and switchyard areas would have a grounding grid installed and would be covered with aggregate surfacing for safe operation. Collection and transmission structures would require drilling for foundation support, and the soils removed would be spread across the site.

Site preparation also includes the demarcation of environmentally sensitive areas identified through the environmental review processes in, and adjacent to, the project site. Demarcation would include installing flags, stakes, or fencing to discourage workers from entering sensitive areas.

1.6.3 System Installation

Erection of the solar arrays would include support structures and associated electrical equipment and cabling. Steel foundation piles would be driven into the soil using vibratory techniques. The piles are typically spaced approximately 10 to 15 feet apart and installed to a revealed height of approximately 4 feet above grade. Once the piles have been installed, the horizontal cross-members would be placed and secured. The arrays would consist of a motorized single-axis tracking system. The trackers and their associated motors would be mounted to the horizontal cross-members.

Concrete would be required for the footings and pads for the collector substation transformers and switchyard equipment. Concrete may also be required for pile foundation support in the event soils prevent some piles from being driven to appropriate depths or for inverter foundations. Final concrete specifications would be determined during detailed design engineering. Concrete would be purchased from an offsite supplier and trucked onto the site. No concrete batch plants would be required onsite.

During this work, multiple crews would be working onsite with various equipment and vehicles, including special vehicles for transporting the modules and other equipment. As the solar arrays are installed, the collector substation and high-voltage components would be constructed, and the electrical collection and communication systems would be installed. Within the solar fields, the electrical and communication wiring would be installed in underground trenches or placed in aboveground cable support systems, and some of the MV collection circuits and communication systems may be on overhead lines. The wiring would connect to the appropriate electrical and communication terminations and would be checked and commissioned prior to operation.

If constructed, installation of the energy storage system would be specific to the manufacturer and model of the energy storage system selected. A typical lithium-ion, battery-based energy storage system would include installation of pour-in-place concrete footings, pad foundations, piers, and/or driven pilings. The



foundations would then be backfilled and compacted as necessary prior to installation of power conversion systems, power distribution systems, pad-mounted transformers, and battery storage enclosures. Electrical cables would be installed to connect the equipment and aboveground utilities. The circuits and control systems would be checked and tested for proper installation and functionality during commissioning prior to operation.

1.6.4 Testing, Commissioning, and Cleanup

After each major electrical system component is completed, including interconnection, high-voltage transmission, electrical collection system, and the solar arrays, the system would be thoroughly inspected and tested to ensure it is ready to carry energy. The system would then be energized, and additional testing would be done to ensure safe operation.

During construction, the site would be kept as clean as possible through the implementation of an approved waste management plan. After construction of the project is complete, all waste, debris, and construction equipment would be removed from the site. Temporary laydown areas or other areas disturbed during construction that are not needed for facility operations would be revegetated.

1.6.5 Construction Water Use

During project construction, 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 and delivery vehicle traffic. Construction water may be stored in aboveground water storage tanks located offsite. 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.

The overall construction water usage is anticipated to be approximately 410 acre-feet during the 26-month construction period. Construction water will be from onsite or offsite water wells supplemented by water purchased from local water purveyors. Water demand during construction is expected to be the same if the proposed project is constructed during a year with normal precipitation, a year with less-than-average precipitation, or a multiyear period of less-than-average precipitation.

1.6.6 Construction Electrical Supply

Power required for construction activities would be provided via portable generators or temporary local distribution. Generators used onsite for construction, for backup power supply, or for emergency fire protection would abide by California Air Resources Board and Eastern Kern Air Pollution Control District regulations.

1.7 Operations

The facility would operate year-round. It is anticipated that approximately six permanent, full-time employees would be needed to maintain the facility. A small satellite office and O&M facility may be built onsite near the collector substation to facilitate rapid repair of equipment. During project operations, solar panel washing is expected to occur one to two times per year and general labor (up to 10 individuals) may assist in the panel cleaning. Typical O&M activities that would occur at the site during operation include, but are not limited to: liaison and remote monitoring; administration and reporting; semi-annual and annual services; remote operations of inverters and BESS; site security and management; additional communication protocol; repair and maintenance of solar facilities, battery storage facilities, collector



substation, electrical transmission lines, and other project facilities; mowing and vegetation control; and periodic panel washing. As technology continues to advance, existing systems may be upgraded or replaced during operations to enhance efficiency and output without expanding the project development footprint.

1.7.1 *Operation Water Use*

During project operation, it is anticipated that water would be required for solar panel washing, equipment washing, and other miscellaneous water uses including O&M building use. Water for operations may be stored in offsite water storage tanks as shown in **Figure 13**, *Proposed Site Plan*.

Panel washing for a project of this size would require approximately 20 days to complete per wash cycle. Water consumption is expected to be approximately 0.28 gallon per square yard of panel, based on other similar operations. Although PV panel washing is expected to occur once per year, the panels may need to be washed up to twice a year based on site conditions. Assuming one or two solar panel wash cycle per year plus typical O&M activities, the annual water usage is expected to be approximately 6 acre-feet of water. This amount includes the water necessary for project operations, fire suppression, and site maintenance.

During operations, the water used is anticipated to be from onsite or offsite water wells or purchased from a local water purveyor. Onsite water resources would also include a number of aboveground, 10,000-30,000 gallon fire protection tanks, which would be placed at designated locations throughout the project site, including near BESS locations, if installed as a part of the project. Final locations and tank volumes would be subject to coordination with the Kern County Fire Department.

1.7.2 *Operation Electrical Supply*

Power for O&M activities would be provided by the project's electrical generation, supplied by the local power provider or via portable generators. The project would require power for the electrical enclosures, collector substation equipment, tracker motors (if non-self-powered single-axis trackers are used), battery storage (if constructed), and plant lighting and security. Batteries in the collector substation buildings would supply backup DC power for the protection of equipment. In the event emergency backup generators are required for project facilities such as collector substation and BESS, these diesel-powered generators would meet applicable best available control technology and be operated in accordance with applicable California Air Resources Board and Eastern Kern Air Pollution Control District rules and regulations.

1.7.3 *Decommissioning*

The project has an anticipated operational life of up to 35 years, after which the project proponent may choose to update site technology and recommission, or to decommission the site and remove the systems and their components. Because the tracking system and supporting equipment for the PV arrays would be supported by steel posts that would be pile-driven into the ground, the land would be largely unaltered from its natural state when the arrays are removed after the project's lifetime. As discussed in more detail below, portions of the project site would require reclamation, such as areas requiring revegetation after removal of solar and/or battery storage facilities. The project site could then be converted to other uses in accordance with applicable land use regulations in effect at that time.

All decommissioning and reclamation activities would be outlined in a step-by-step Decommissioning Plan and would adhere to the requirements of the appropriate governing authorities as well as all applicable local, state, and federal requirements and BMPs. The project would include BMPs to ensure the collection and recycling of modules and batteries and to avoid the potential for modules or batteries to be disposed of



as municipal waste. The project is anticipated to need approximately 410 acre-feet of water during the approximate 1-year long decommissioning process.

It is anticipated that during project decommissioning, project structures would be removed from the site. Aboveground equipment that would be removed include module posts and support structures, onsite transmission poles that are not shared with third parties, and the overhead collection system within the site; inverters, transformers, electrical wiring, battery storage equipment (if constructed), and equipment on the inverter pads. The substation would be removed unless a public or private utility assumes ownership of the collector substation, in which case the equipment may remain onsite to be used as part of the utility service to supply other applications.

Equipment would be de-energized prior to removal, salvaged (where possible), 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. Some materials may also be returned to the manufacturer.

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. Removal of the energy storage facility equipment (if constructed) would include removing the batteries, enclosures, and associated inverters and control panels. Batteries would be placed in appropriate hazardous materials containers for proper handling and removal from the site. The equipment would ultimately be transported to another facility (possibly including an equipment manufacturer) 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 the fences and the concrete pads that may support the inverters, transformers, and related equipment, and concrete posts would be removed to grade level. 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 fencing and gates would be removed, and all materials would be recycled to the extent feasible. Project roads would be restored to their preconstruction condition to the extent feasible, unless the landowner elected to retain the improved roads for access throughout that landowner's property. The area would be thoroughly cleaned, and all debris would be removed. A collection and recycling program would be executed to promote recycling of project components and minimize disposal in landfills.

As mentioned above, reclamation activities would occur as part of project decommissioning, with particular focus on removal and revegetation of any impervious surfaces associated with the solar and energy storage facilities. Reclamation activities aim to bring the project site back to similar conditions as those that existed prior to construction of the project; the goal of reclamation activities is to return the land to a condition in which natural vegetation can successfully re-establish. Reclamation activities may include, but are not limited to, the following actions:

- Project drainage features (retention basins, etc.) would be reclaimed using suitable fill material.
- Roads, parking areas, and collector substation areas would be removed and reclaimed to their pre-construction conditions and topography.
- Soils would be de-compacted using a disking method, as needed.
- As needed, topsoil would be used to restore suitable conditions for vegetation growth.



1.8 Project Applicant Submitted Project Objectives

State CEQA Guidelines Section 15124(b) requires that a project description include a clearly written statement of objectives. The statement of objectives should include the underlying purpose of the project and may discuss the project benefits. The following are the project applicant submitted project objectives for the proposed project:

- Establish solar PV power-generation with potential energy storage facilities of sufficient size and configuration to produce and deliver reliable electricity in an economically feasible and commercially financeable manner that can be marketed to multiple California utility companies.
- Provide Kern County and the State of California, as well as utilities, with a renewable energy source adjacent to other renewable energy and infrastructure facilities that would assist in meeting obligations under several bills that collectively define California's Renewable Portfolio Standard Program, including Assembly Bill 32, the Global Warming Solutions Act, as amended by Senate Bill 32 in 2016 and Senate Bill 100. These bills call for 100 percent of all electricity sold in California to come from carbon-free resources by 2045, including 90 percent renewables by 2035 (Senate Bill 1020), while vehicles are simultaneously transitioned from internal combustion engines to zero-emission forms.
- Assist Kern County in promoting its role as the state's leading producer of renewable energy and assist California utilities in meeting their obligations under the California Public Utilities Commission's Energy Storage Framework and Design Program.
- Use proven and established PV and energy storage technology (if constructed) that is efficient, recyclable, and requires low maintenance.
- Maximize use of existing transmission infrastructure and transmission corridors, thereby minimizing new disturbance.
- Site and design the project in an environmentally responsible manner consistent with current Kern County guidelines including:
 - a. Locating generation facilities in areas that receive intense solar radiation;
 - b. Using existing electrical transmission facilities, ROWs, roads, and other existing infrastructure where practical;
 - c. Minimizing water use; and
 - d. Reducing greenhouse gas emissions.
- Use construction techniques that minimize soil disturbance, allow water to continue to flow and percolate naturally across the site, and avoid and minimize environmental impacts including impacts to air quality, noise, and water quality.
- Develop a solar PV power-generation and possible energy storage facility in Kern County that would support the economy by investing in the local community, provide green jobs to the County and California, and increase tax and fee revenue to the County.
- Supplement the California power grid due to the shutdown of nuclear power plants throughout the state.
- Expand the reach of renewable energy development through the development of BESS (if constructed), making solar more valuable by storing energy and placing it on the grid after sunset.
- Utilize vacant land that has limited water availability for a renewable energy project.



1.9 Proposed Actions/Required Approvals

The Kern County Planning and Natural Resources Department as the CEQA Lead Agency (per CEQA Guidelines Section 15052) has primary responsibility for the Galaxy Solar PV & Storage Project. To implement this project, various discretionary and ministerial permits/approvals may be required, including but not limited to:

- **Federal**
 - U.S. Fish and Wildlife Service Incidental Take Permit and Habitat Conservation Plan (if sought by project proponent)
 - U.S. Army Corps of Engineers, Section 404 Permit (if required)
- **State**
 - California Public Utilities Commission
 - Approval under General Order 131E (if required)
 - Public Utilities Crossing/Encroachment Agreements
 - California Department of Fish and Wildlife
 - Section 2081 Permit (Incidental Take Permit for state-listed species, including Western Joshua Tree under the Western Joshua Tree Conservation Act) (if sought by project proponent)
 - Section 1600 et seq. (Lake and Streambed Alteration Agreement) (if required)
 - Lahontan Regional Water Quality Control Board
 - Waste Discharge Requirements (if required)
 - Regional Water Quality Certification (401 Permit) (if required)
 - National Pollutant Discharge Elimination System Construction General Permit
 - California Department of Transportation
 - 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 Amendments to the Kern County General Plan (Circulation Element)
 - Approval of Changes in Zone Classifications
 - Approval of Conditional Use Permits for the project site
 - Approval of Zone Variances
 - Approval of Vesting Tentative Parcel Maps
 - Approval of Kern County Demolition Permits



- Approval of Kern County Grading and Building Permits
- Approval of Kern County Encroachment Permits
- Approval of Fire Safety Plan
- Approval of Hazardous Materials Business Plan
- Approval of Franchise Agreement for street ROW along 45th Street
- Approval of Parcel Maps (parcel mergers) by the Kern County Land Division Unit
- Eastern Kern Air Pollution Control District
 - Approval of Fugitive Dust Control Plan
 - Authority to Construct
 - Permit to Operate

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



Figures

Galaxy Solar PV & Storage Project

Figure 1 Vicinity Map

Galaxy Solar Storage, LLC

- Project Site
- Named Road
- State Hwy
- Arterials
- Township/Range
- Sections
- City Limits
- Unincorporated Cities

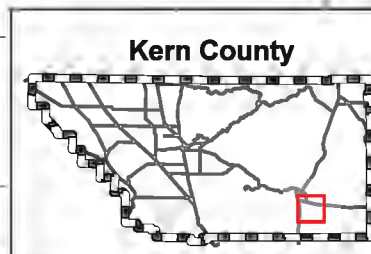
T11N/R11W - Sec. 28, 32-34
T10N/R11W - Sec. 3-4, 6, 8-9

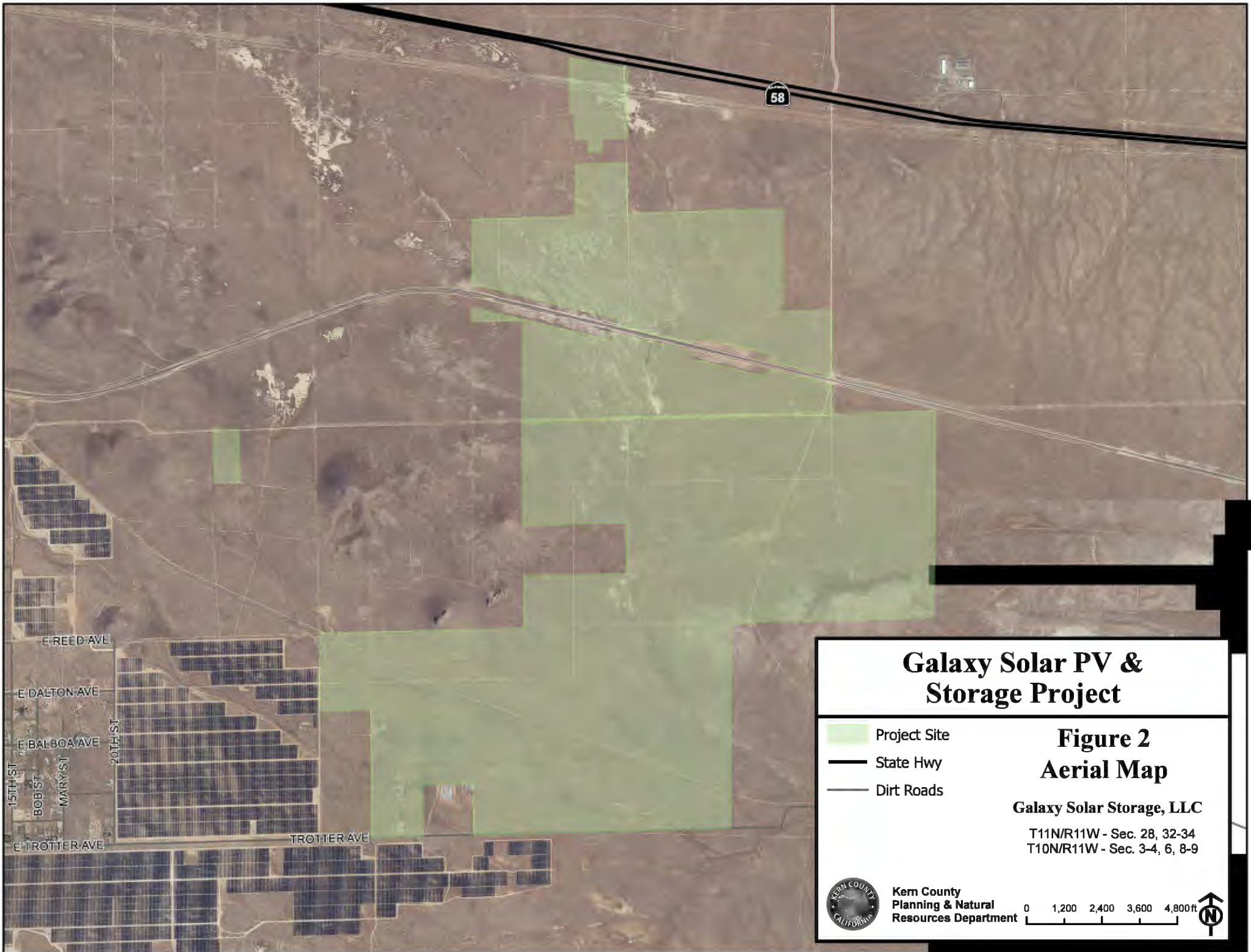
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0 6,500 13,000 ft



Kern County
Planning & Natural
Resources Department





Galaxy Solar PV & Storage Project

-  Project Site
-  State Hwy
-  Dirt Roads

Figure 2 Aerial Map

Galaxy Solar Storage, LLC

T11N/R11W - Sec. 28, 32-34
T10N/R11W - Sec. 3-4, 6, 8-9



**Kern County
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0 1,200 2,400 3,600 4,800ft



Galaxy Solar PV & Storage Project

**Figure 3
Proposed Project
CUP Boundary**

Galaxy Solar Storage, LLC

CUP

■ CUP No. 24, Map No. 197

■ CUP No. 4, Map No. 195

■ CUP No. 5, Map No. 195

■ CUP No. 7, Map No. 212

— Named Road

— State Hwy

— Arterials

▭ Township/Range

--- Sections

▭ City Limits

▭ Unincorporated Cities

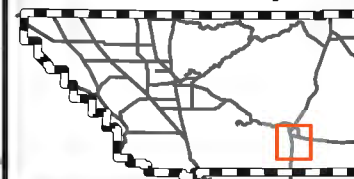
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T10N/R11W - Sec. 3-4, 6, 8-9

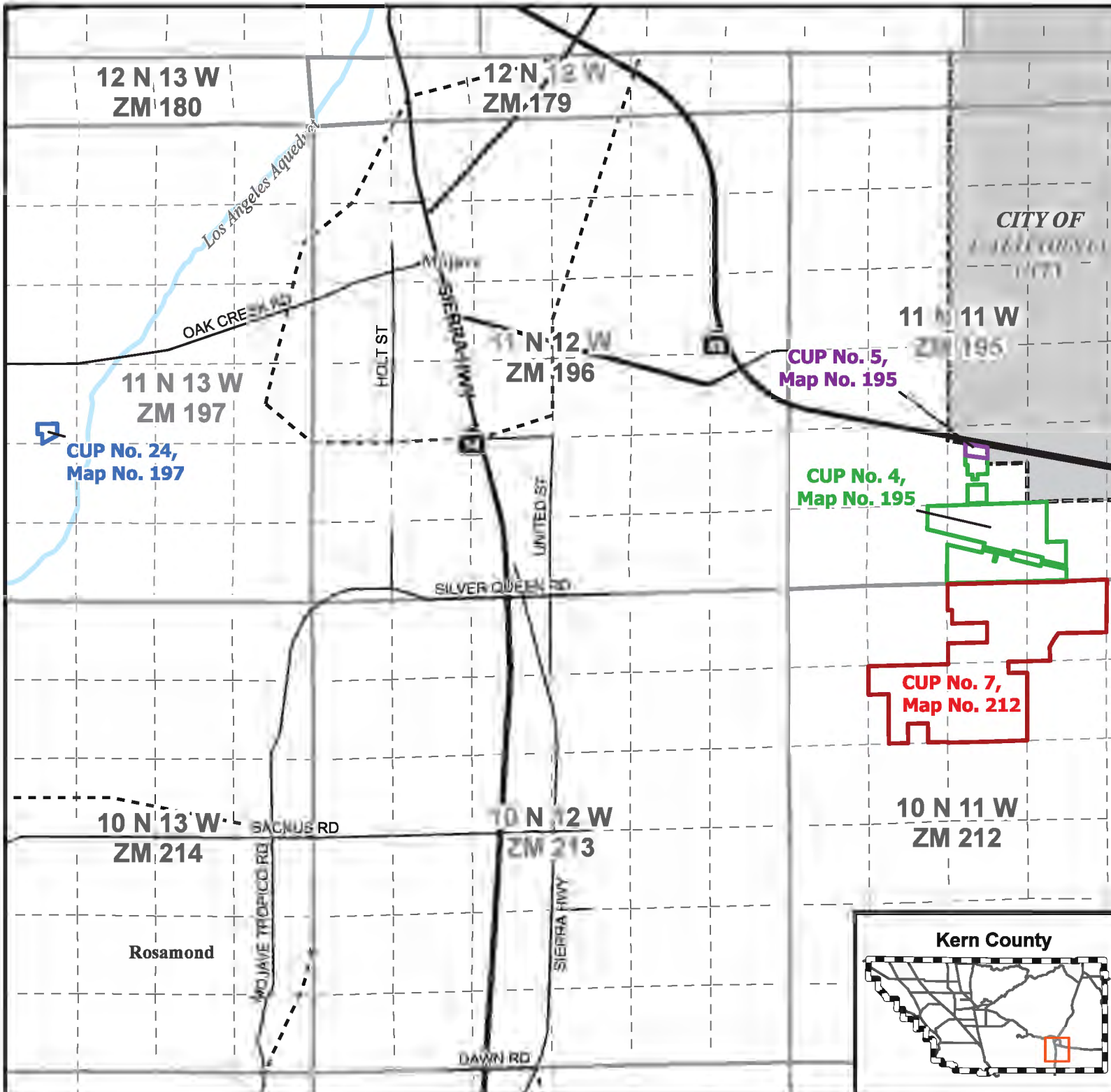
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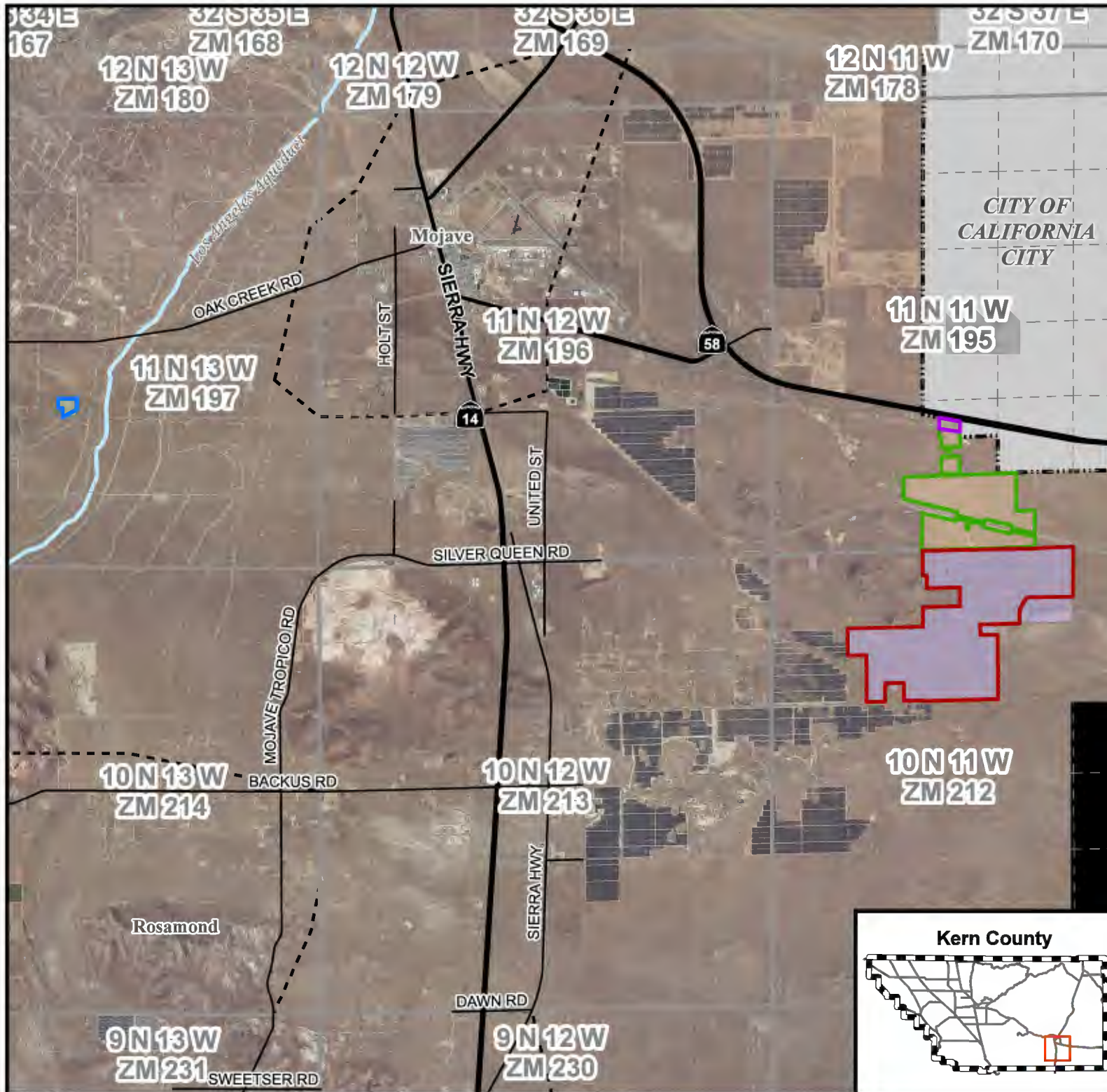
0 8,500 17,000 ft

Kern County



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Galaxy Solar PV & Storage Project

Figure 4
Proposed Project
CUP & ZCC
Boundaries

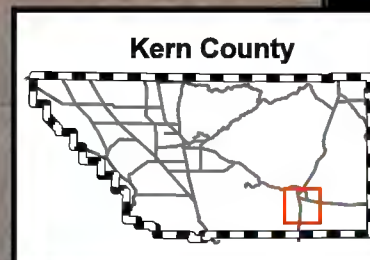
Galaxy Solar Storage, LLC

- CUP**
- CUP No. 24, Map No. 197
 - CUP No. 4, Map No. 195
 - CUP No. 5, Map No. 195
 - CUP No. 7, Map No. 212
- ZCC**
- ZCC No. 4, Map No. 212
 - ZCC No. 5, Map No. 195
 - ZCC No. 5, Map No. 212
 - ZCC No. 57, Map No. 197
- Legend:**
- Named Road
 - State Hwy
 - Arterials
 - Township/Range
 - Sections
 - City Limits
 - Unincorporated Cities

T11N/R11W - Sec. 28, 32-34
T10N/R11W - Sec. 3-4, 6, 8-9

Created on: 8/21/2025

0 8,900 17,800 ft



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Galaxy Solar PV & Storage Project

Figure 5 Floodplain Map

Galaxy Solar Storage, LLC

-  Project Site
-  State Hwy
-  Streets
-  A - No Base Flood Elevations Determined
-  D- Areas in which flood hazards are undetermined but possible
-  X - Areas determined to be outside the 0.2% annual chance floodplain
-  CITY OF CALIFORNIA CITY

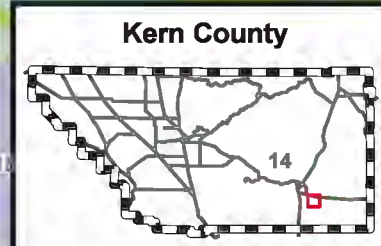
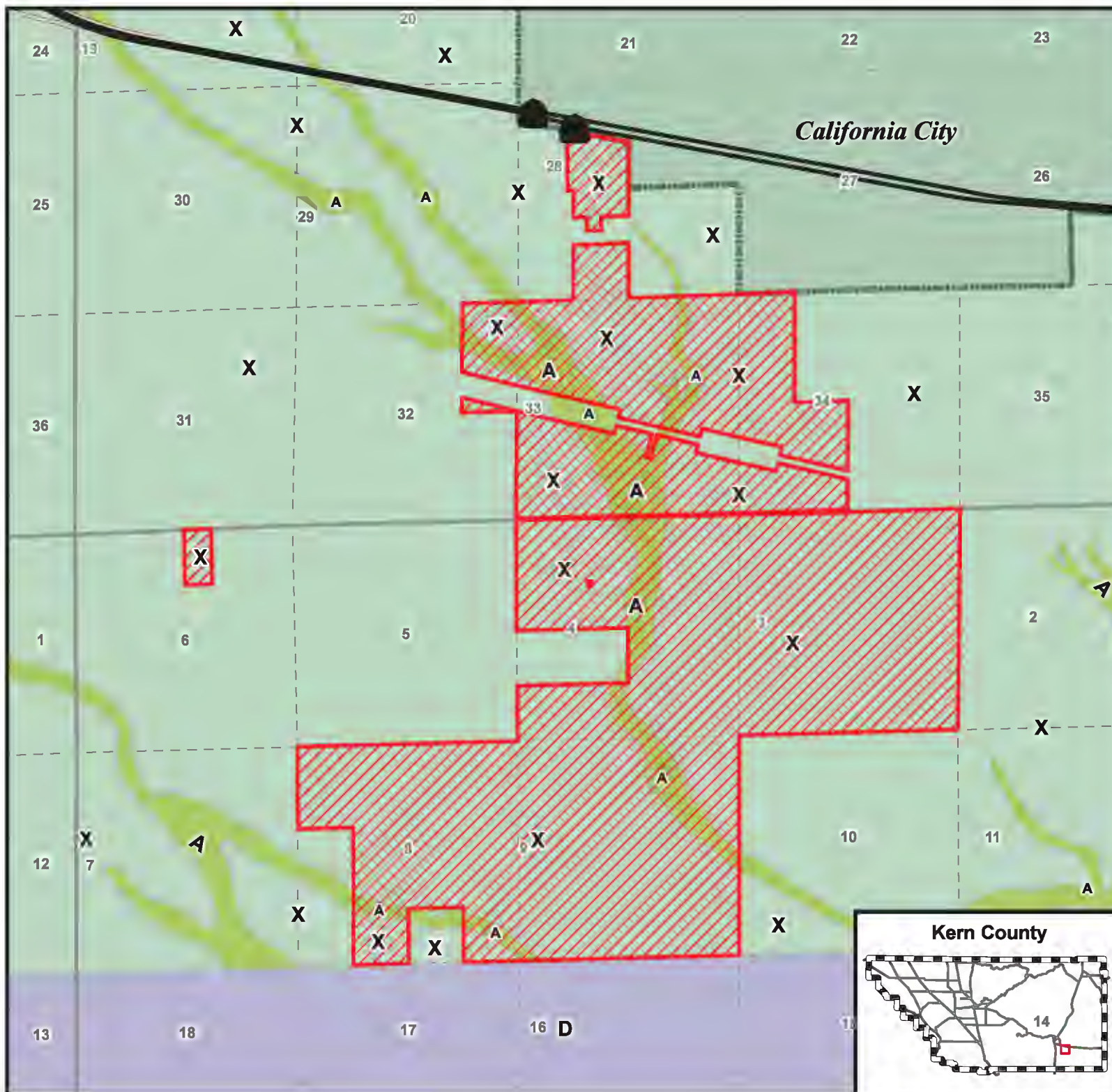
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T10N/R11W - Sec. 3-4, 6, 8-9

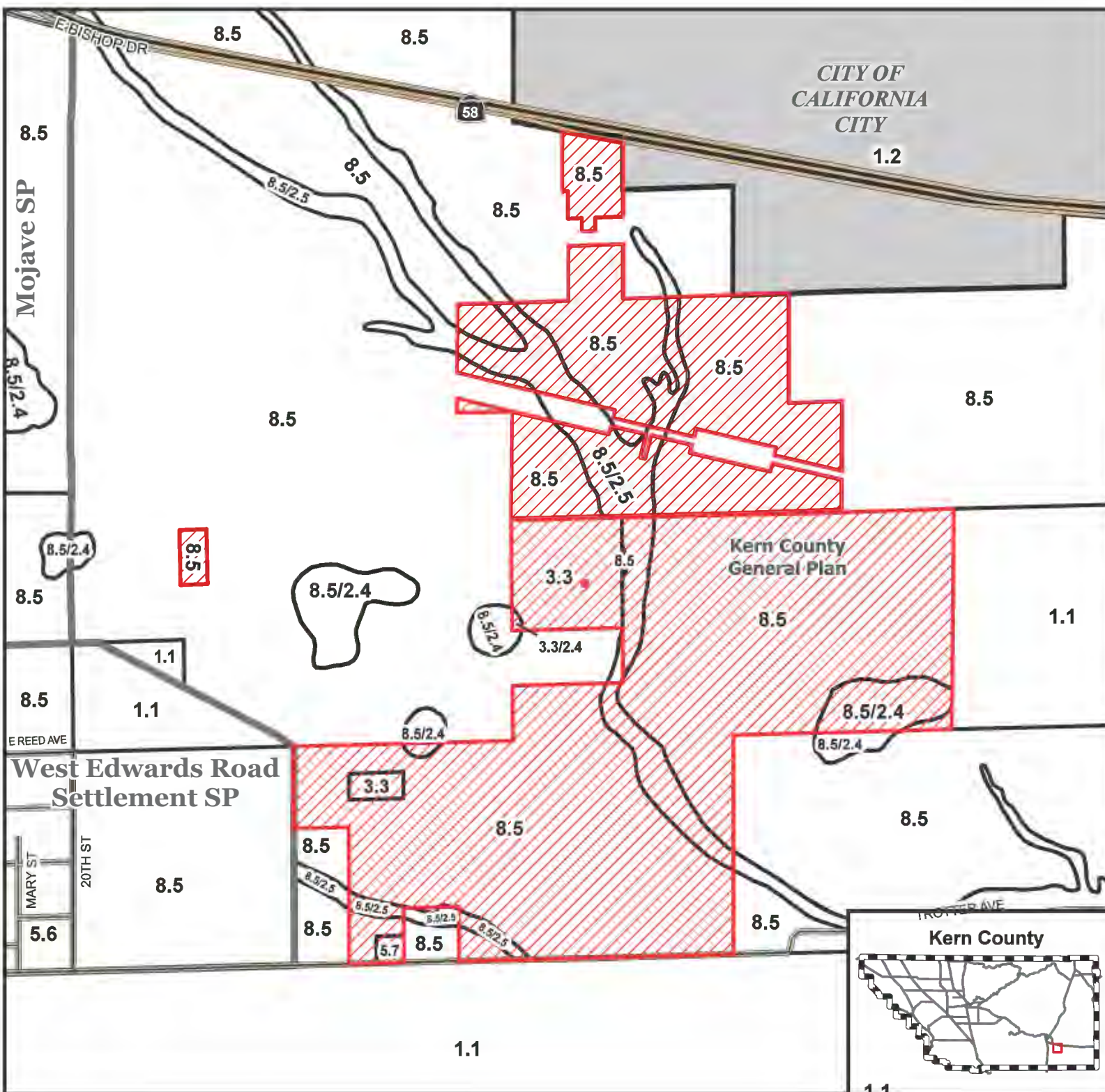
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0 1,200 2,400 3,600 4,800 Feet



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Galaxy Solar PV & Storage Project

Figure 6
Existing General
Plan Map

Galaxy Solar Storage, LLC

- Project Site
- State Hwy
- Dirt Roads
- General Plan Boundaries
 - 1.1 - State and Federal Land
 - 1.2 - Incorporated Cities
 - 3.3 - Other Facilities
 - 4.1 - Accepted County Plan Areas
 - 5.7 - Minimum 5 gross acres/unit
 - 8.5 - Resource Management (Min. 20- or 80-acre parcel size)
 - 1.1 - State and Federal Land
 - 5.6 - Minimum 2.5 gross acres/unit
 - 7.1 - LIGHT INDUSTRIAL
 - 8.5 - Resource Management (Min. 20- or 80-acre parcel size)
- Specific Plans
 - Mojave
 - West Edwards Road Settlement
 - 2.5 - Flood Hazard
 - 2.4 - Steep Slope
 - City Limits

T11N/R11W - Sec. 28, 32-34
T10N/R11W - Sec. 3-4, 6, 8-9
Created on: 8/1/2025

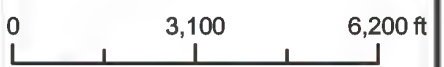


Figure 7 Existing Zone Classifications

 Project Site
 State Hwy
 Locals
 Dirt Roads
 City Limits

KERN COUNTY ZONING DESIGNATIONS

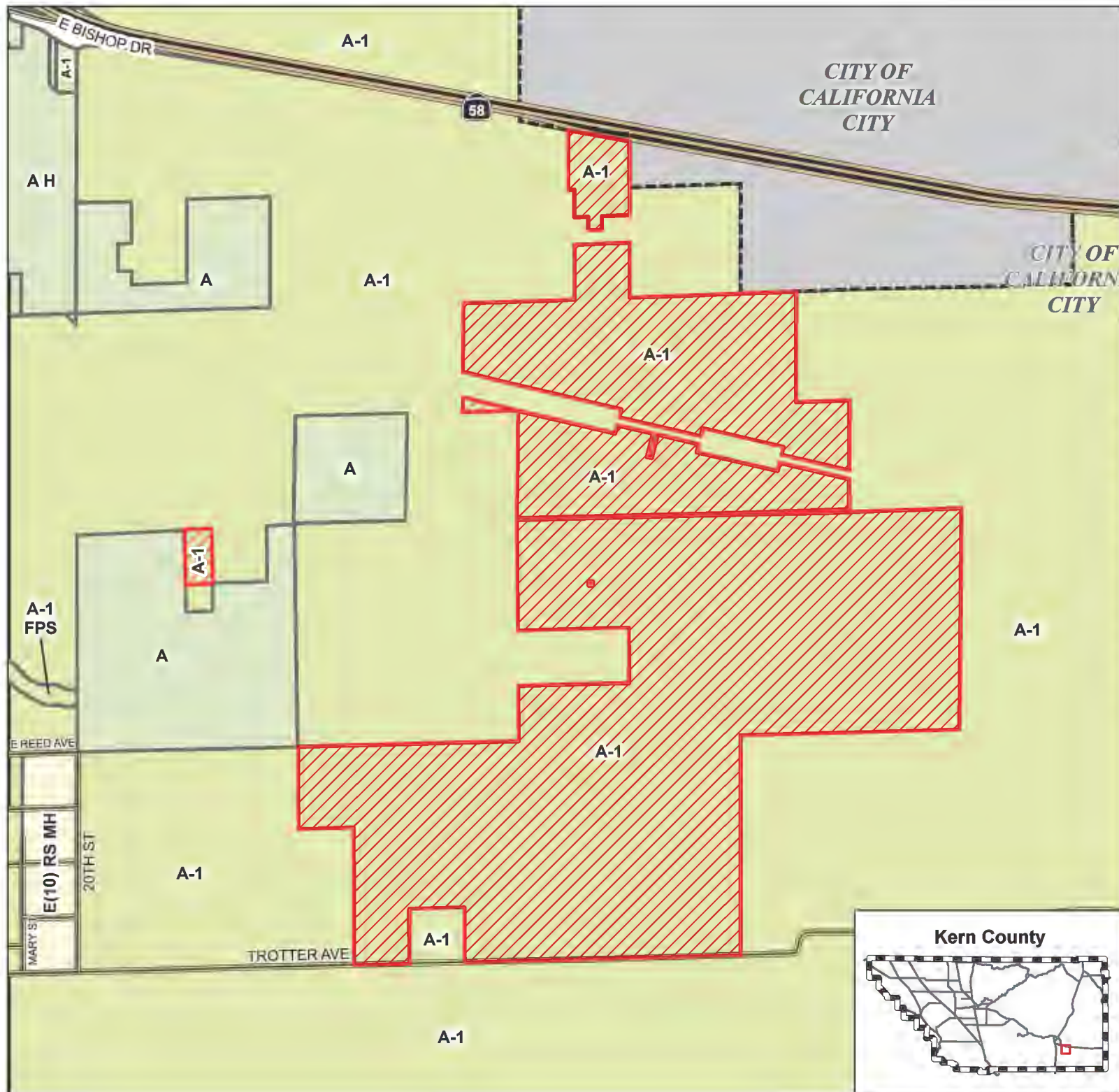
 A - Exclusive Agriculture
 A-1 - Limited Agriculture
 E(10) - Estate (10 acres)
 M-1 - Light Industrial
 FPS - Floodplain Secondary Combining
 H - Airport Approach Height Combining
 MH - Mobilehome Combining
 PD - Precise Development Combining
 RS - Residential Suburban Combining
 FPS - Floodplain Secondary Combining
 MH - Mobilehome Combining

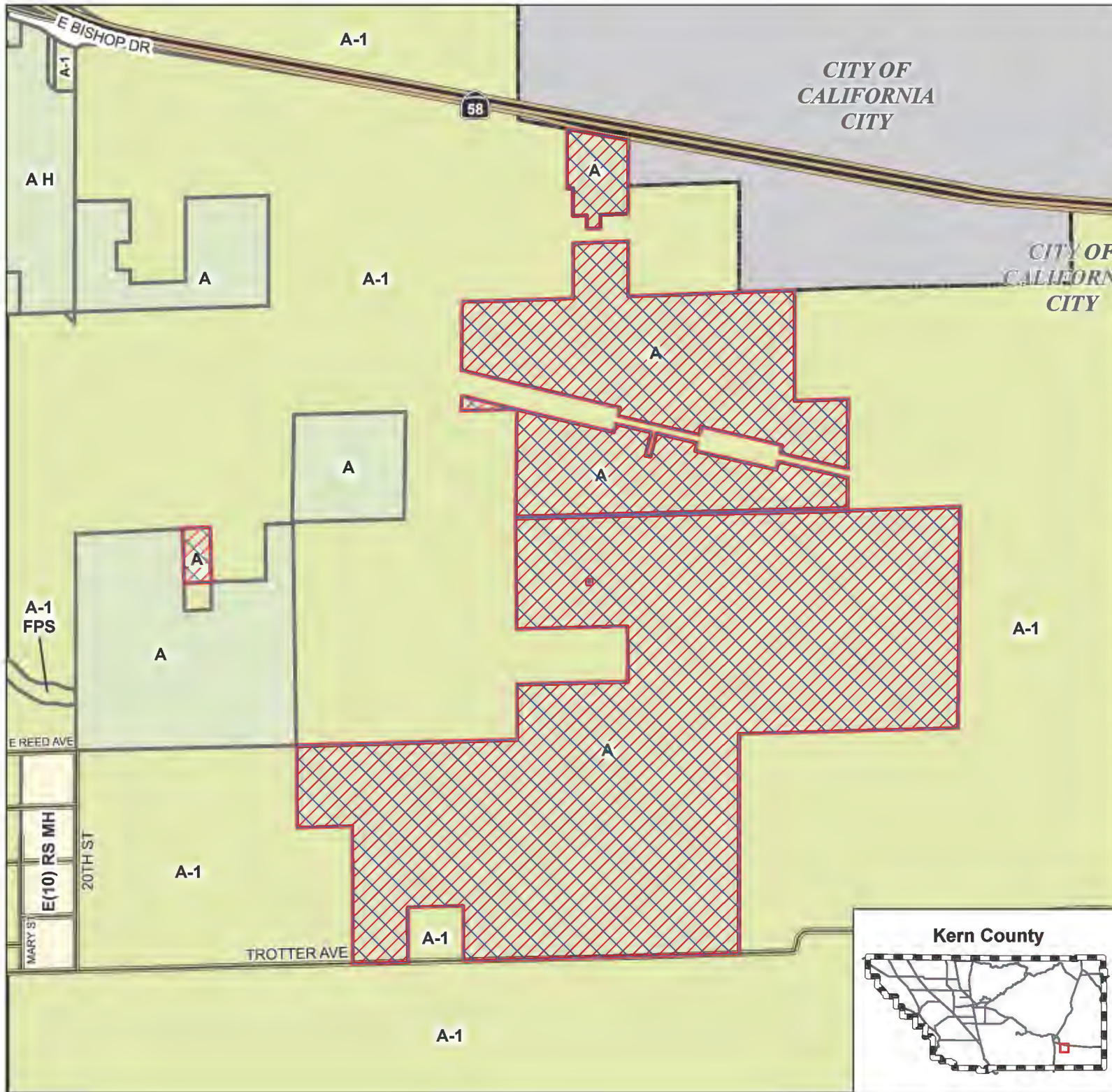
T10N/R11W - Sec. 3-4, 6, 8-9

Created on: 8/1/2025



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Galaxy Solar PV & Storage Project

**Figure 8
Proposed Zone
Classifications**

Galaxy Solar Storage, LLC

- Proposed Zone Change Boundary
- Project Site
- State Hwy
- Locals
- Dirt Roads
- KERN COUNTY ZONING DESIGNATIONS**
 - A - Exclusive Agriculture
 - A-1 - Limited Agriculture
 - E(10) - Estate (10 acres)
 - FPS - Floodplain Secondary Combining
 - H - Airport Approach Height Combining
 - MH - Mobilehome Combining
 - PD - Precise Development Combining
 - RS - Residential Suburban Combining
 - FPS - Floodplain Secondary Combining
 - MH - Mobilehome Combining
- City Limits

T11N/R11W - Sec. 28, 32-34

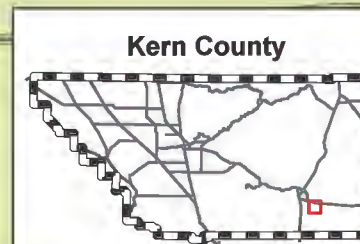
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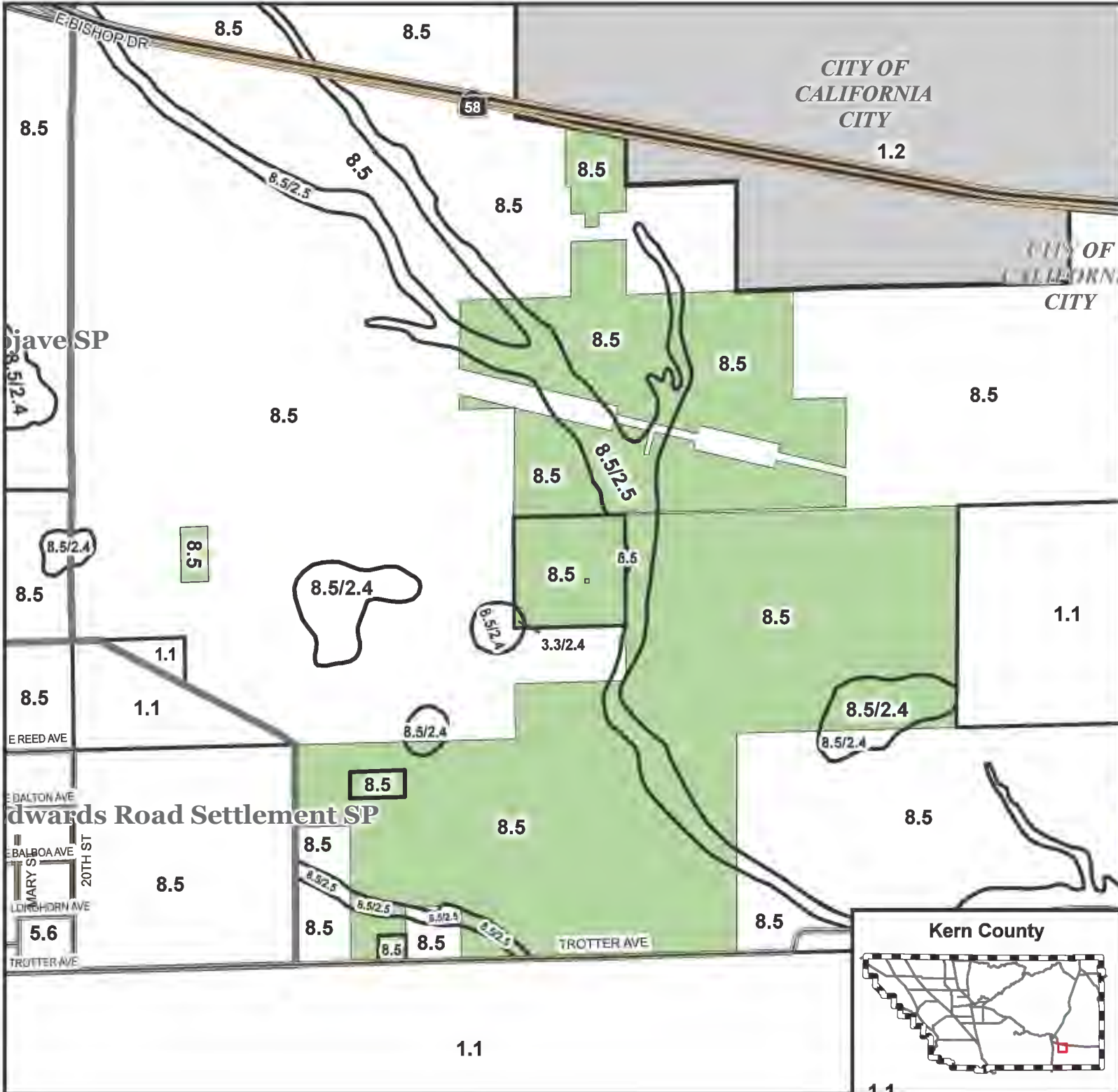
Created on: 8/1/2025

0 3,100 6,200 ft



**Kern County
Planning & Natural
Resources Department**





Galaxy Solar PV & Storage Project

**Figure 9
Proposed General
Plan Map**

Galaxy Solar Storage, LLC

- State Hwy
- Dirt Roads
- Specific Plans**
 - Mojave
 - West Edwards Road Settlement
- General Plan Boundaries**
 - 1.1 - State and Federal Land
 - 1.2 - Incorporated Cities
 - 3.3 - Other Facilities
 - 4.1 - Accepted County Plan Areas
 - 5.7 - Minimum 5 gross acres/unit
 - 8.5 - Resource Management (Min. 20- or 80-acre parcel size)
 - 1.1 - State and Federal Land
 - 5.6 - Minimum 2.5 gross acres/unit
 - 7.1 - LIGHT INDUSTRIAL
 - 8.5 - Resource Management (Min. 20- or 80-acre parcel size)
 - 2.5 - Flood Hazard
 - 2.4 - Steep Slope
 - City Limits
 - Project Site

T11N/R11W - Sec. 28, 32-34
T10N/R11W - Sec. 3-4, 6, 8-9

Created on: 8/7/2025

0 3,100 6,200 ft

Kern County

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Galaxy Solar PV & Storage Project

Figure 10 Proposed GPA (Circulation)

Galaxy Solar Storage, LLC

-  Section Lines to Be Removed
-  Midsection Lines to be Removed
-  Project Site
-  State Hwy
-  Kern County Boundary
-  Township/Range
-  Sections
-  City Limits

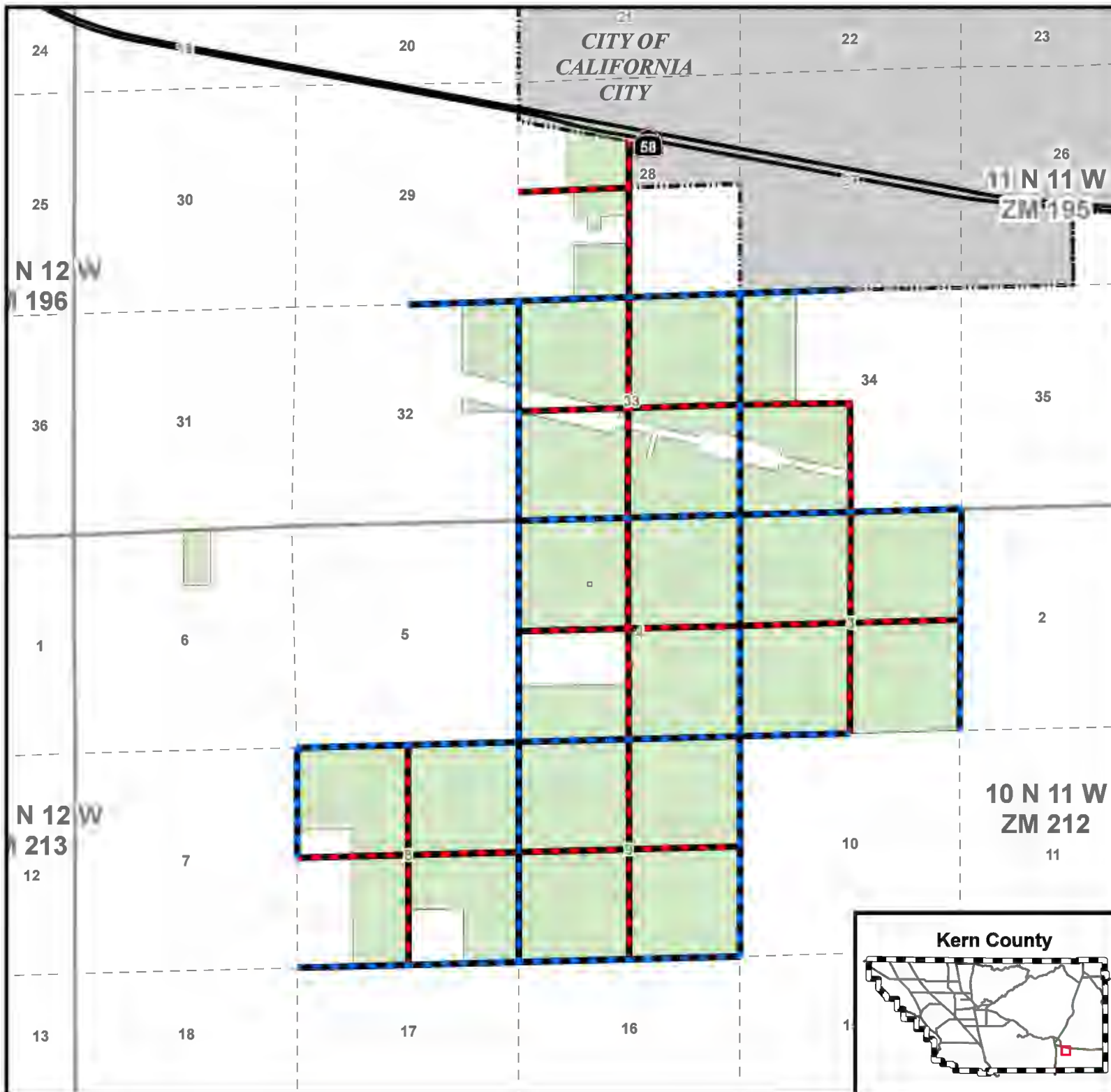
T11N/R11W - Sec. 28, 32-34
T10N/R11W - Sec. 3-4, 6, 8-9

Created on: 8/1/2025

0 3,100 6,200 ft



Kern County
Planning & Natural
Resources Department



Galaxy Solar PV & Storage Project

**Figure 11
Proposed
Vesting Tentative Parcel
Map Boundaries**

Galaxy Solar Storage, LLC

Proposed Parcel Mergers

 VTPM 12577

 VTPM 12578

 VTPM 12579

 VTPM 12580

 VTPM 12581

 VTPM 12582

 State Hwy

 Township/Range

 Sections

 City Limits

 Project Site

T11N/R11W - Sec. 28, 32-34

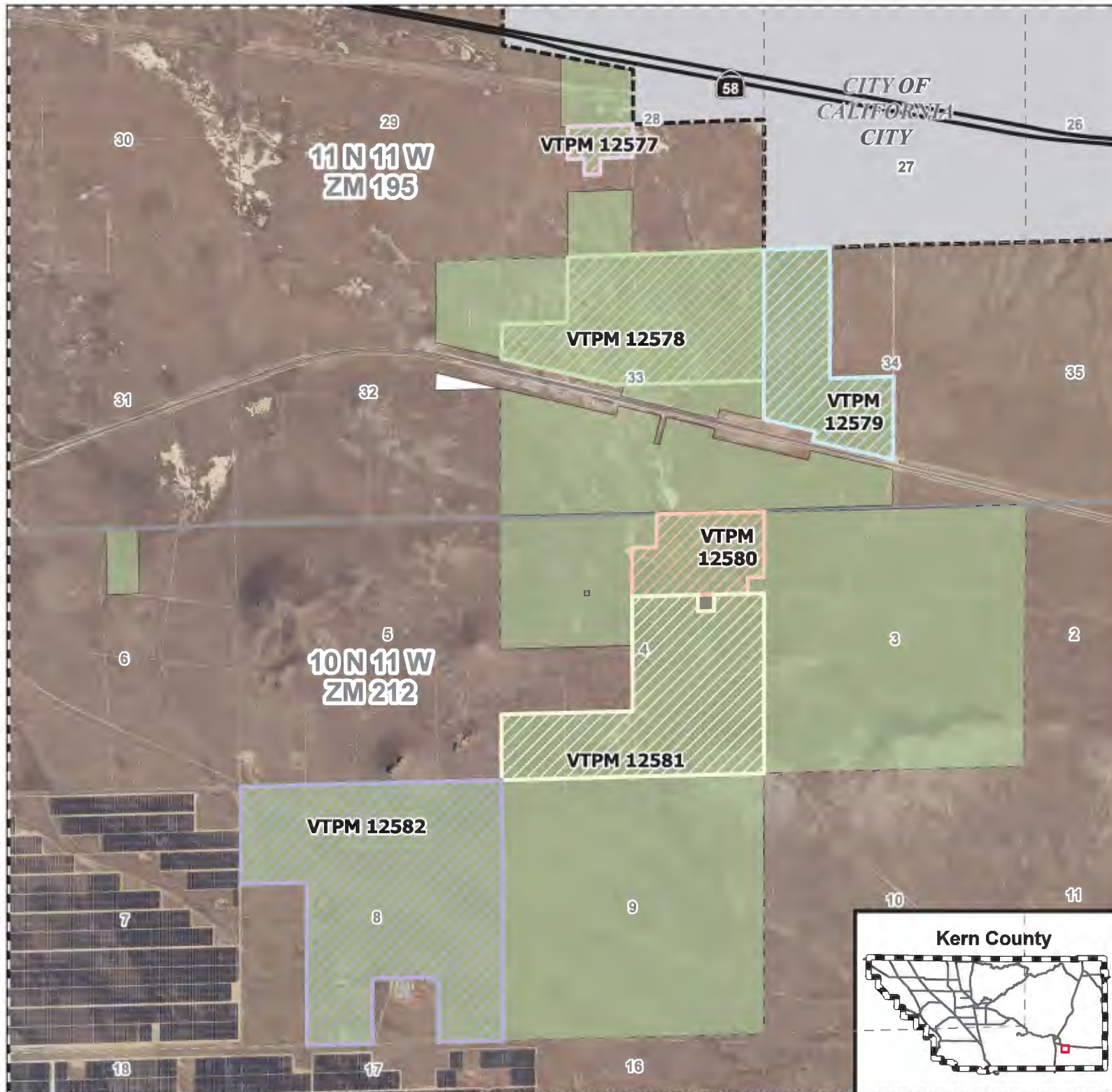
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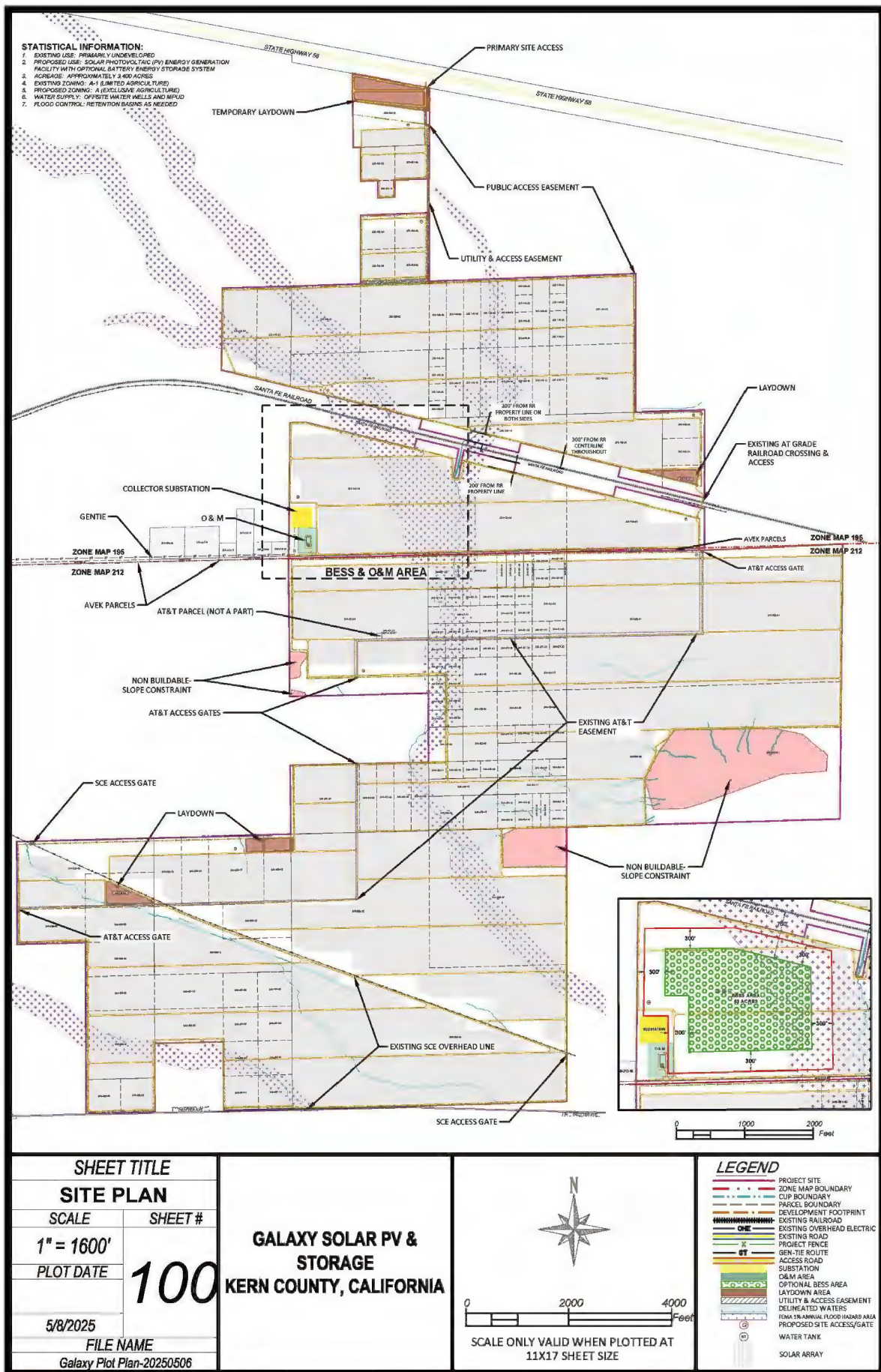
0 2,600 5,200 ft

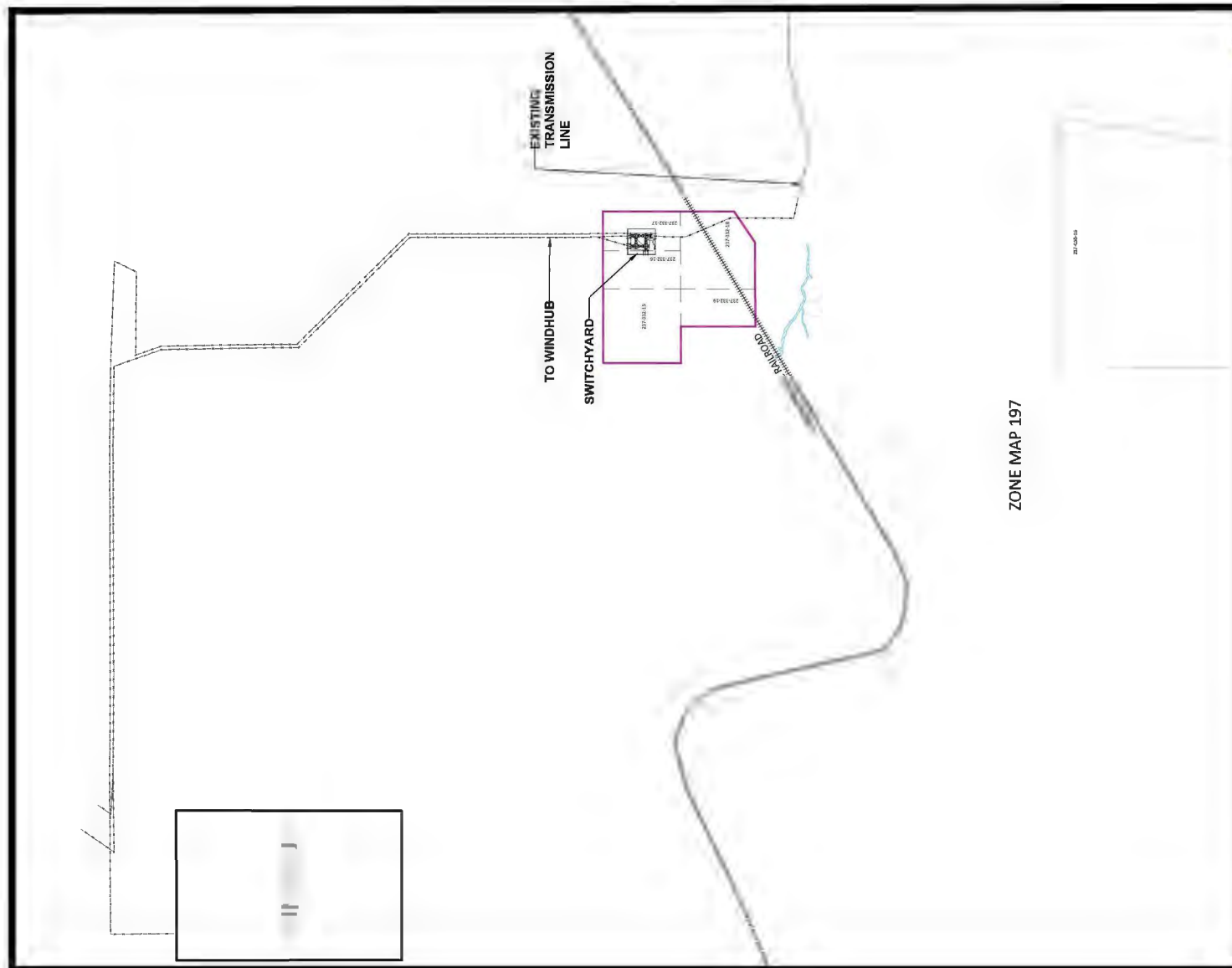


**Kern County
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GALAXY SOLAR PV & STORAGE

0 800 1200 Feet

LEGEND

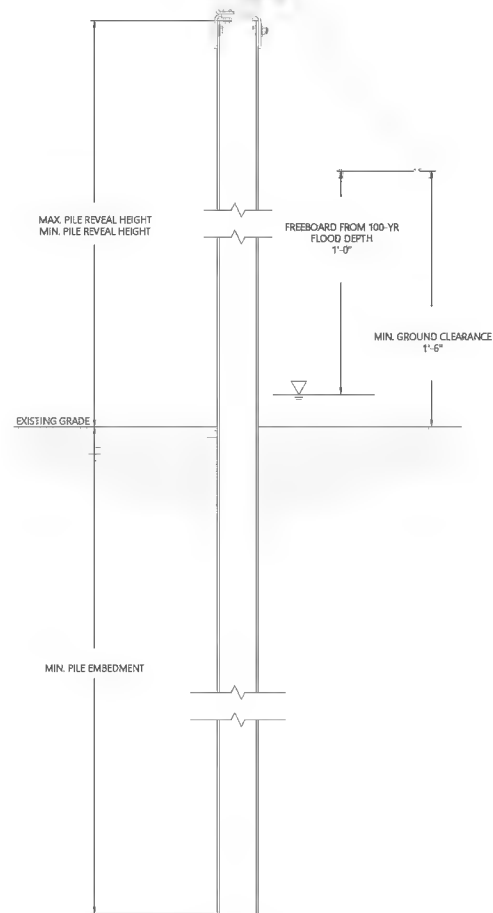
- PROJECT SITE
- ZONE MAP BOUNDARY
- CUP BOUNDARY
- DEVELOPMENT FOOTPRINT
- PARCEL BOUNDARY
- AQUEDUCT CENTERLINE
- EXISTING TRANSMISSION LINE
- EXISTING ROAD
- PROJECT FENCE
- GEN-TIE ROUTE
- ACCESS ROAD
- DELINEATED WATERS
- EXISTING WIND TURBINE-500' SETBACK

PROJECT AREA

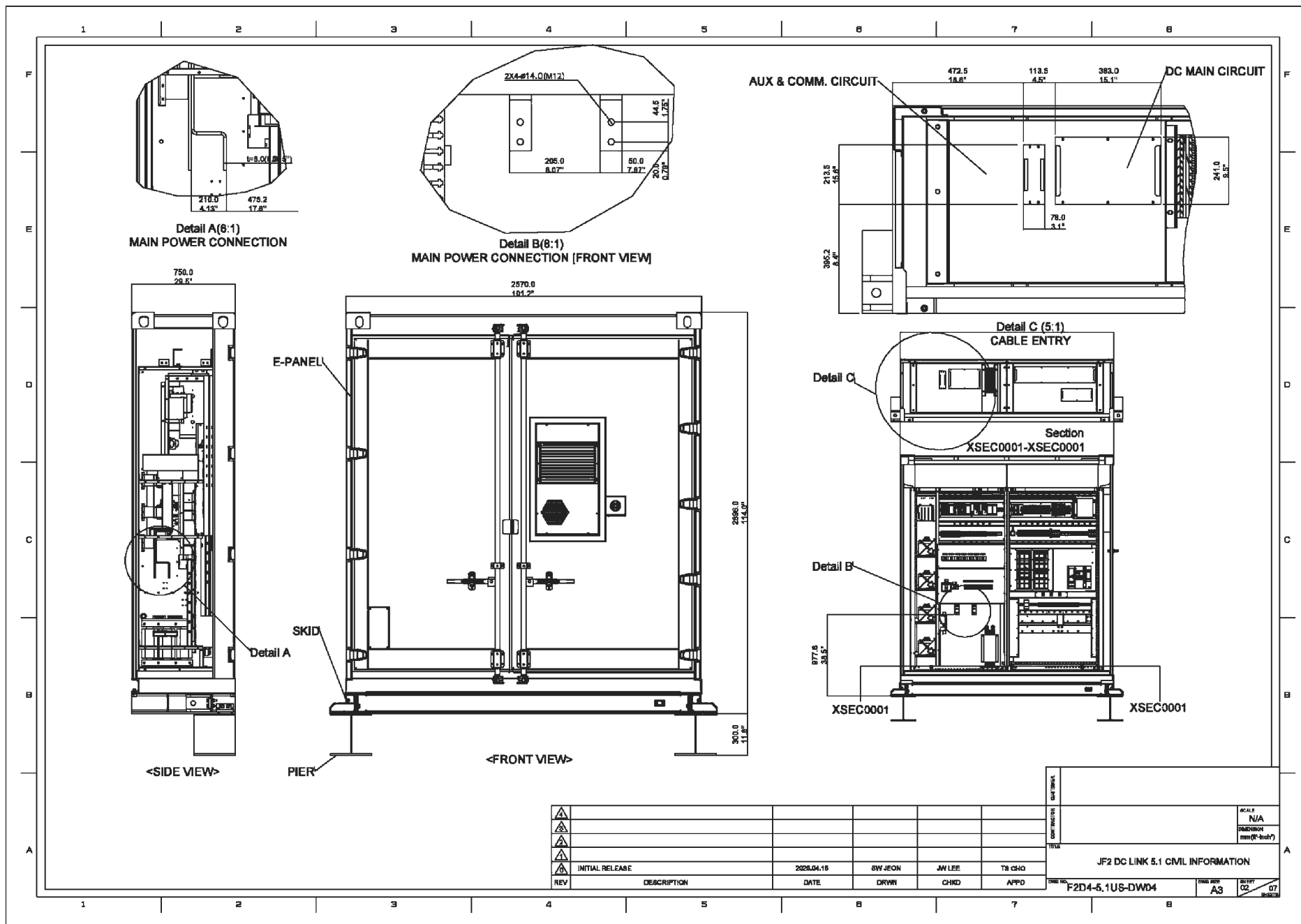
SHEET TITLE

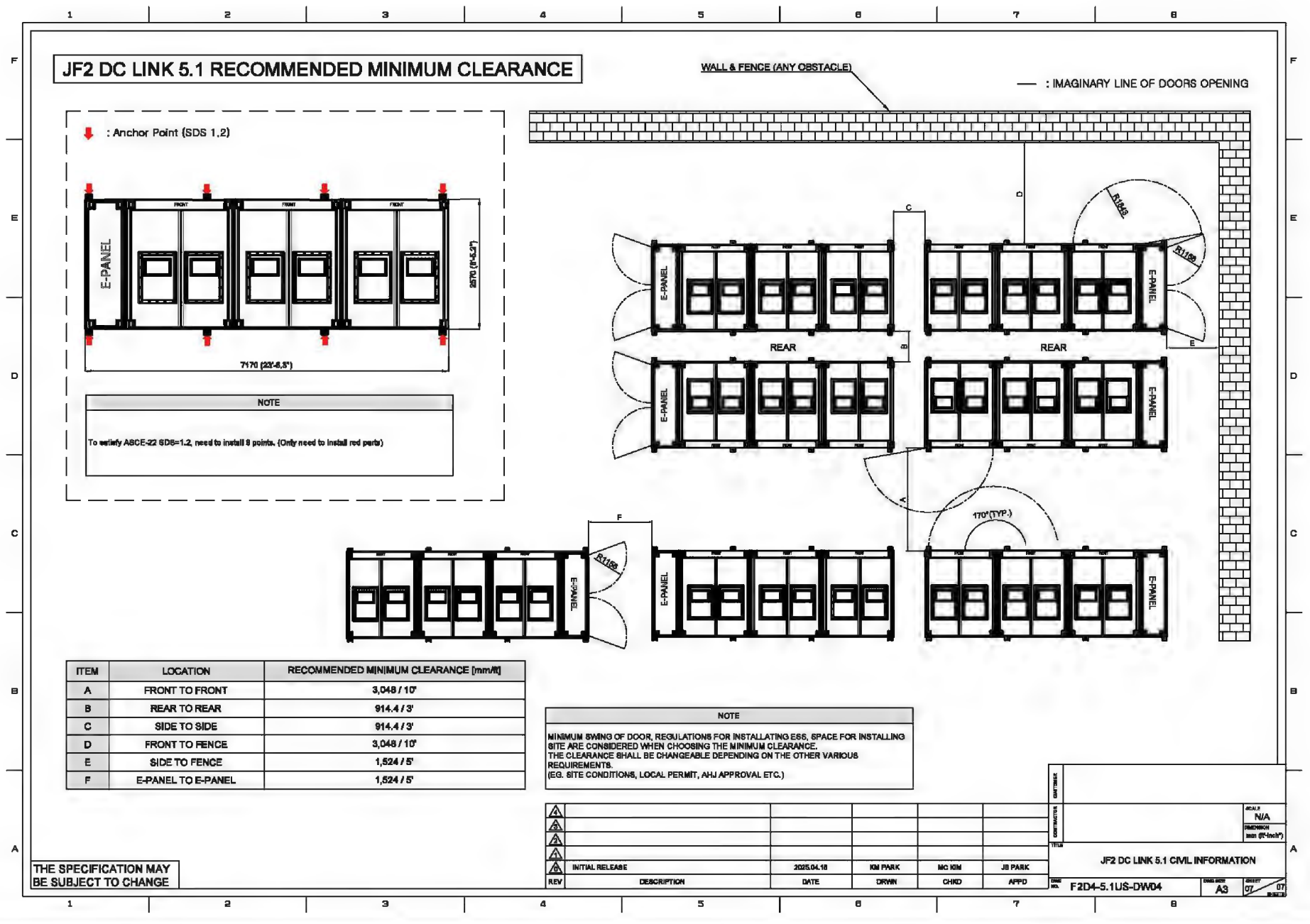
PLAN VIEW

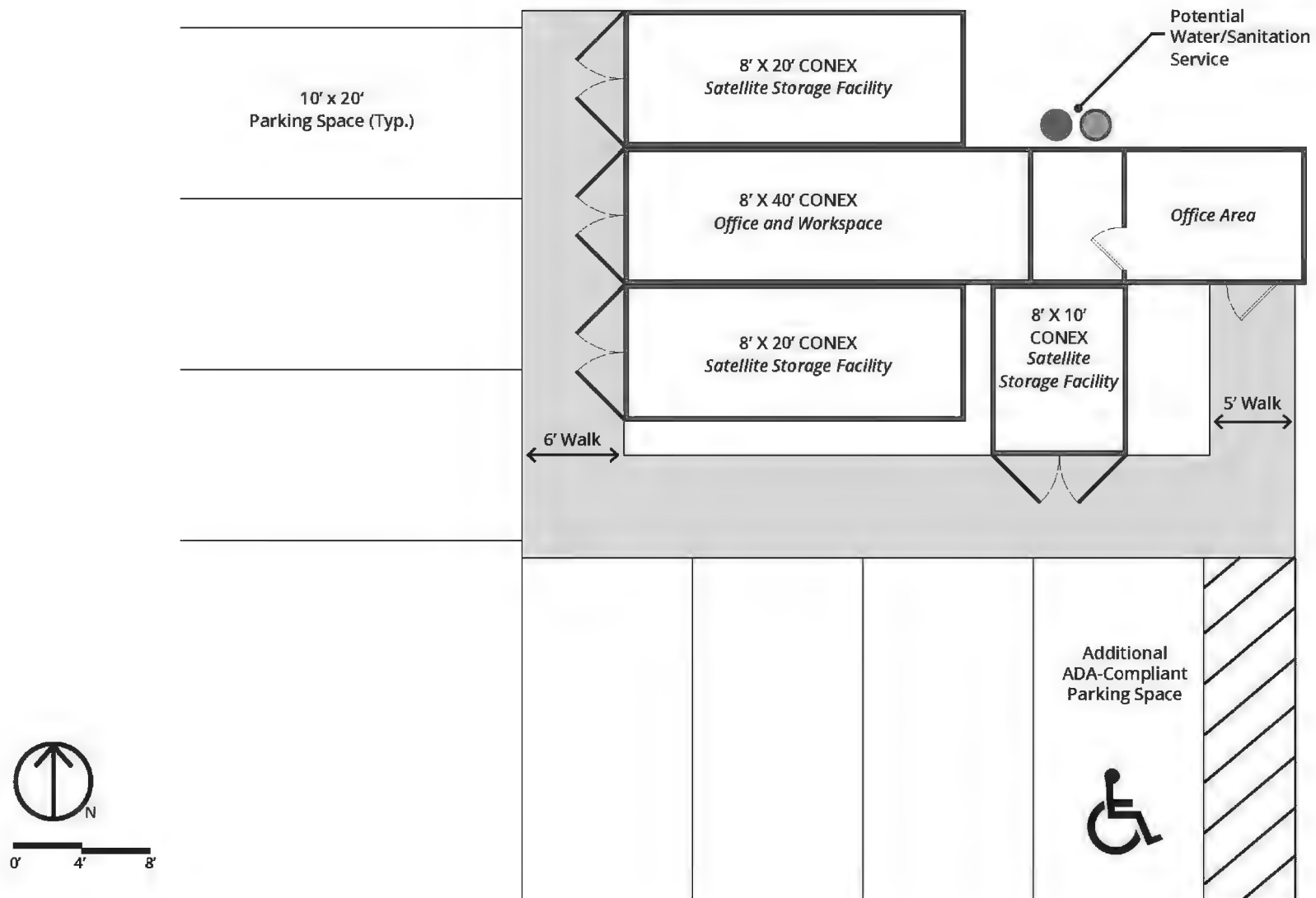
SCALE	SHEET #
1"=800'	100-01
PLOT DATE	
5/27/2025	
FILE NAME	
Galaxy Site Plan.dwg	



① **PV Pile Foundation Cross Section**
Driven Pile (N.T.S)



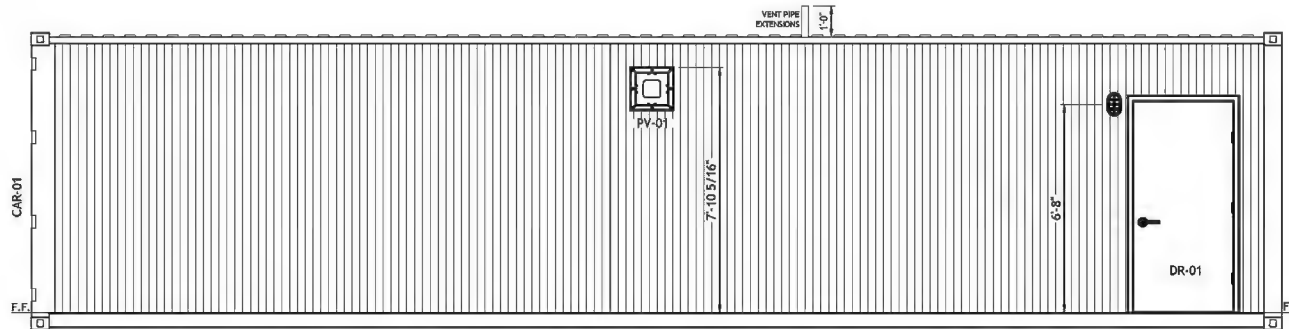




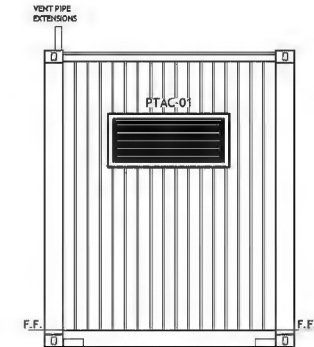
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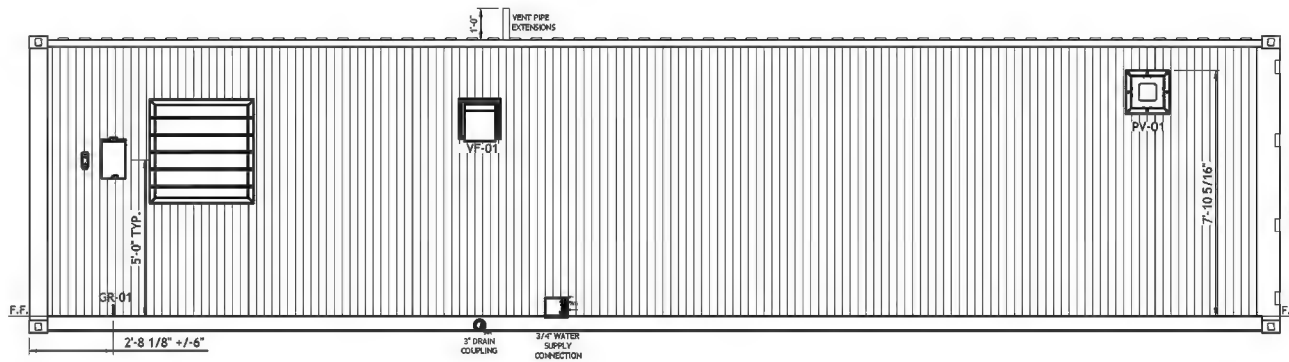
TERRA-GEN (A) 40' HC STORE AND WORK w/ HALF BATH



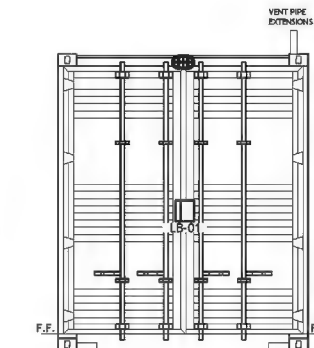
EXTERIOR ELEVATION 1
SCALE: 3/16" = 1'-0"



EXTERIOR ELEVATION 2
SCALE: 3/16" = 1'-0"



EXTERIOR ELEVATION 3
SCALE: 3/16" = 1'-0"

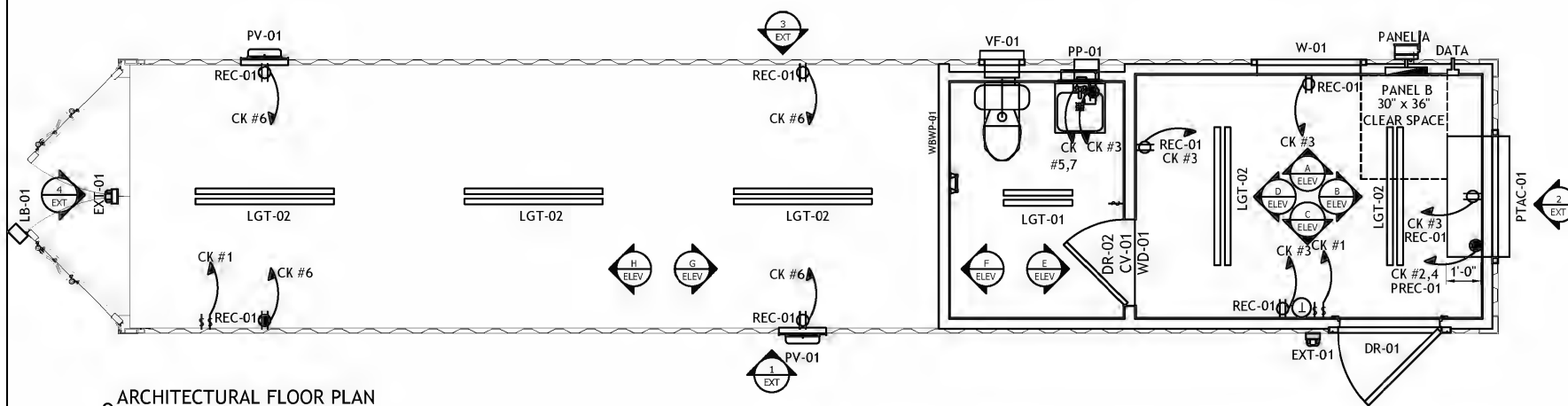


EXTERIOR ELEVATION 4
SCALE: 3/16" = 1'-0"

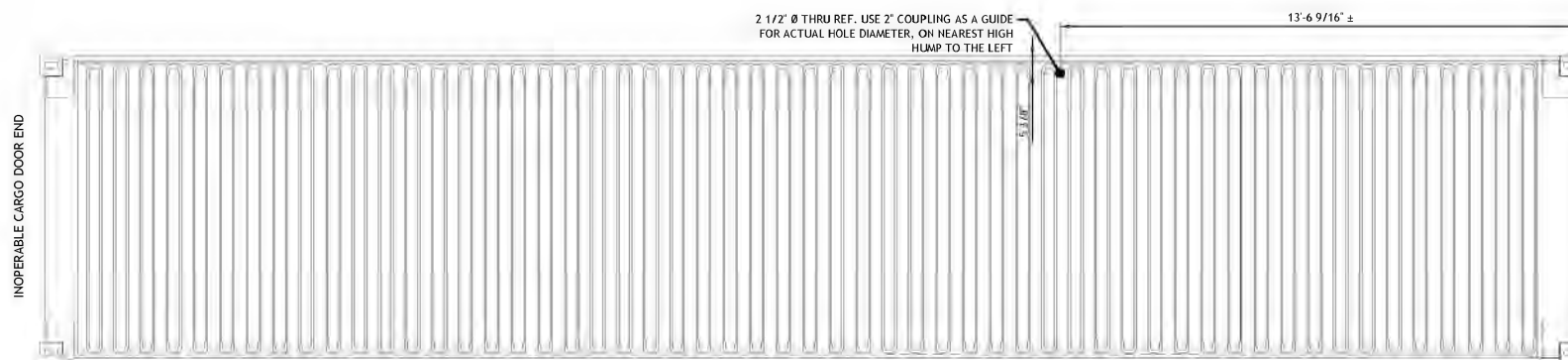


TERRA-GEN (A) 40' HC STORE AND WORK w/ HALF BATH

FALCON
STRUCTURES

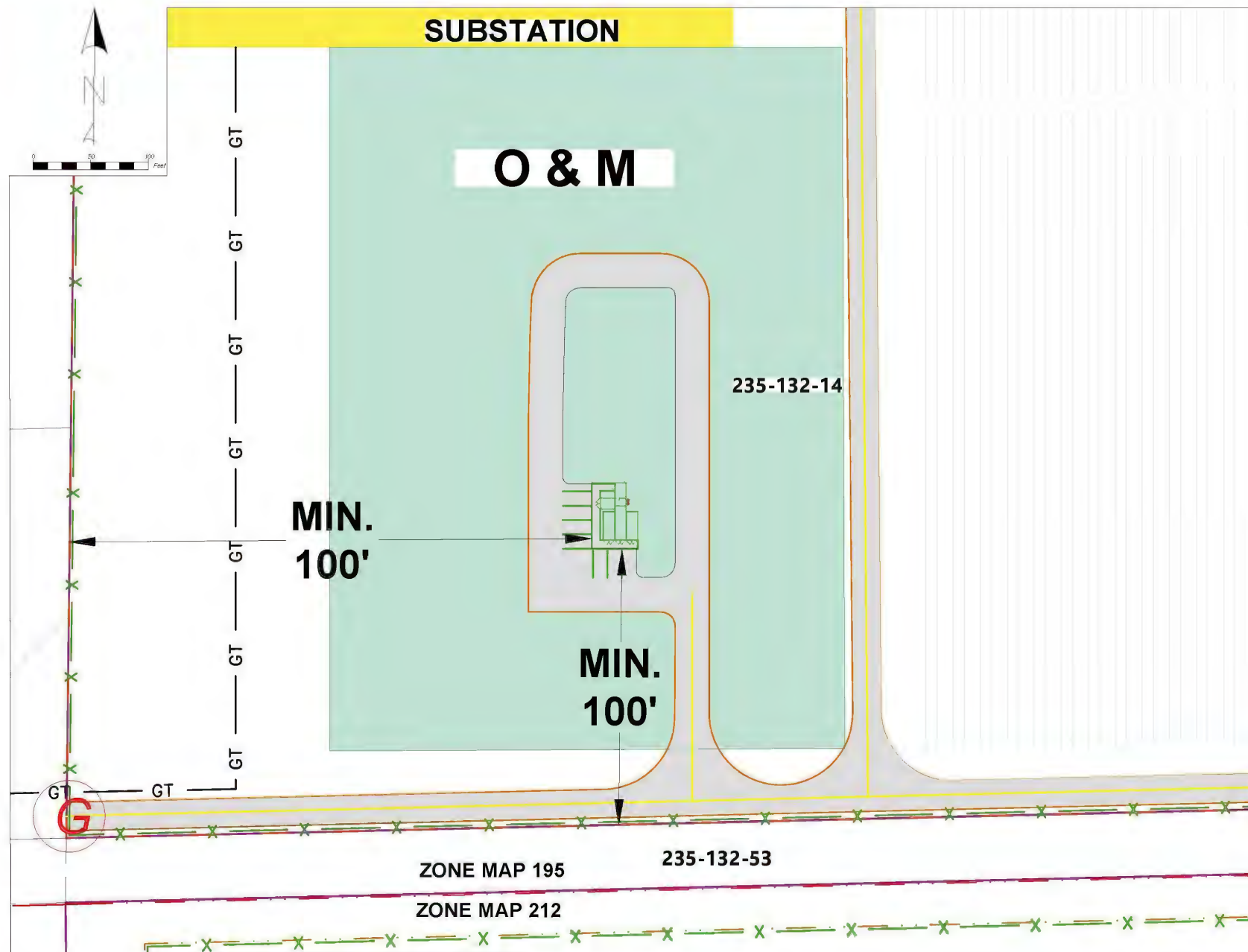


ARCHITECTURAL FLOOR PLAN



ROOF PLAN







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.

☒ Aesthetics	☒ Agricultural and Forestry Resources	☒ Air Quality
☒ Biological Resources	☒ Cultural Resources	☒ Energy
☒ Geology and Soils	☒ Greenhouse Gas Emissions	☒ Hazards and Hazardous Materials
☒ Hydrology and Water Quality	☒ Land Use and Planning	☒ Mineral Resources
☒ Noise	☐ Population and Housing	☒ Public Services
☐ Recreation	☒ Transportation and Traffic	☒ Tribal Cultural Resources
☒ Utilities/Service Systems	☒ Wildfire	☒ Mandatory Findings of Significance

Other Environmental Issues

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

Although the proposed project would provide new employment consistent with the adopted Kern County General Plan goals, plan, and policies, long-term employment opportunities would be minimal. The proposed project would require an operational/maintenance staff of up to six full-time employees.

It is estimated that up to 550 full-time employees per day would be required during peak construction periods for the proposed project. The entire construction process is anticipated to take 26 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 project site from various local communities and locations throughout Southern California, and few, if any workers expected to relocate to the surrounding area because of these temporary jobs. If temporary housing should be necessary, it is expected that accommodations (i.e., extended stay hotels, apartments, recreational vehicle parks, homes for rent or sale) would be available in the nearby communities of California City, Mojave, and Rosamond. 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 private land owned or leased by the project proponent, and no residents would be displaced as part of the project. As such, the proposed project is not anticipated to displace existing housing that would necessitate the construction of replacement housing elsewhere.

- **Recreation:** The Kern County General Plan does not identify any existing or proposed recreational



facilities near the project site. The project would not increase the use of recreational facilities or require the construction or expansion of recreational facilities.

The proposed project itself does not include new recreational facilities and is not anticipated to increase demands on existing facilities. The number of workers needed during the construction phase would largely depend on the specific stage of construction and peak at 550 workers. These workers are not likely to visit local parks or recreation facilities during the workday, and the workers who are relocating temporarily during construction would create little or no impact on local recreational resources after work hours.

Operation of the proposed project would require up to six full-time employees for maintenance and monitoring activities, but they would likely be drawn from the local labor force and would commute from their existing permanent residence to the project site. However, even if the maintenance/monitoring employees were hired from out of the area and relocated to eastern Kern County, the addition of any such families to the project area would not result in a substantial increase in the number of users at local parks or recreational facilities. As a result, there would not be a detectable increase in the use of existing neighborhood or regional parks or other recreational facilities, and therefore, no deterioration of any such facilities would occur or require the construction of new facilities as a result of project implementation.

2.2 Determination

(To be completed by the Lead Agency) 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:

Printed Name:

Mark Tolentino

Date:

September 4, 2025

Title:

Planner III