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**PLANNING AND NATURAL
RESOURCES DEPARTMENT**

Planning
Community Development
Administrative Operations

DATE: April 24, 2024

TO: See Attached Mailing List

FROM: Kern County Planning and Natural
Resources Department
Attn: Jamal Ferguson
2700 "M" Street, Suite 100
Bakersfield, CA 93301
(661)862-5017; Fergusonj@kerncounty.com

**SUBJECT: NOTICE OF PREPARATION (NOP) OF A DRAFT ENVIRONMENTAL IMPACT
REPORT (EIR) FOR THE BUTTONBUSH SOLAR BY 29SC 8ME LLC**

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 Initial Study/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 **Thursday May 24, 2024 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 Fergusonj@kerncounty.com. A Scoping meeting will be held on **Wednesday, May 15, 2024, at 1:30 p.m.** at the address listed above.

PROJECT TITLE: Buttonbush Solar Project by 29SC 8me, LLC (PP24407); **Site 1:** CUP No. 17, Map 98; CUP No. 19, Map 98; GPA 4, Map 98; SPA No. 5, Map 98; CUP No. 25, Map 99; SPA No. 9, Map 99; GPA No. 8, Map 99; **Site 2:** CUP No. 14, Map 77; GPA No. 10, Map 77; CUP No. 18, Map 98; **Site 3:** CUP No. 15, Map 77; GPA No. 11, Map 77; **Site 4:** CUP No. 16, Map 77; GPA No. 12, Map 77; **Site 5:** CUP No. 26, Map 99; CUP No. 27, Map 99; GPA No. 10, Map 99; CUP No. 61, Map 100; GPA No. 31, Map 100; **Site 6:** CUP No. 17, Map 78; GPA No. 10, Map 78; **Site 7:** CUP No. 18, Map 78; GPA No. 11, Map 78; **Site 8:** CUP No. 12, Map 54; GPA No. 1, Map 54; CUP No. 17, Map 77; CUP No. 18, Map 77; GPA No. 13, Map 77.

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/environmental-doc/buttonbush-solar-project>

PROJECT LOCATION: The project site straddles the Interstate Highway 5 (I-5), is east of Buttonwillow Raceway Park, just north of Highway 58, and south of Kimberlina Road, with the majority of the site being on the northeastern side of the I-5. The eastern section of the project site is approximately six (6) miles west of the City of Shafter, while the northern section is approximately 5.5 miles southwest of the City of Wasco. The southern section of the project site has I-5 running through its northern edge and its southern edge is within the Buttonwillow Community Development Plan. The project is within the Mount Diablo Base and Meridian (MDB&M).

PROJECT DESCRIPTION: The proposed Buttonbush Solar and Storage Project is a photovoltaic (PV) solar facility with associated infrastructure necessary to generate up to 2 gigawatts (GW) of alternating current (AC) power with an up to 2 GW energy storage system. The project is located on 132 parcels across approximately 12,785 acres of privately owned land in the valley portion of Kern County. The project would be supported by a 500-kV, overhead gen-tie and/or underground electrical transmission line(s) originating from one or more on-site substations and terminating at the Pacific Gas & Electric (PG&E) Midway Substation. The project's permanent facilities would include solar panels, solar racking, inverters, service roads, a power collection system, communication cables, overhead and underground transmission lines, electrical switchyards, project substations, energy storage system(s), and operations and maintenance (O&M) facilities.

Implementation of the project as proposed includes the following requests:

Site 1:

- a. Conditional Use Permit No. 17, Map 98 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. Conditional Use Permit No. 19, Map 98 to allow for the construction and operation of a microwave tower within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.F of the Kern County Zoning Ordinance.
- c. General Plan Amendment No. 4, Map 98 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries of Sections 1, 11, 12 of Township 29 South, Range 23 East, MDB&M.
- d. Specific Plan Amendments No. 5, Map 98 to the Circulation Element of the Buttonwillow Community Development Specific Plan to remove future road reservations on the section and mid-section lines within the project boundaries 11 and 12 of Township 29 South, Range 23 East, MDB&M.
- e. Conditional Use Permit No. 25, Map 99 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- f. General Plan Amendment No. 8, Map No. 99 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries of Sections 6 and 7 of Township 29 South and Range 24 East, MDB&M.
- g. Specific Plan Amendments No. 9, Map 99 to the Circulation Element of the Buttonwillow Community Development Specific Plan to remove future road reservations on the section and mid-section lines within the project boundaries of Sections 7 of Township 29 South and Range 24 East, MDB&M.
- h. Cancellation of approximately 2,069 acres of active Williamson Act Land Use Contracts.

Site 2:

- a. Conditional Use Permit No. 14, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 10, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries of Sections 33 of Township 28 South and Range 23 East, MDB&M.

- c. Conditional Use Permit No. 18, Map 98 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- d. Cancellation of approximately 413 acres of active Williamson Act Land Use Contracts.

Site 3:

- a. Conditional Use Permit No. 15, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 11, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in Sections 28, 29, and 33 of Township 28 South and Range 23 East, MDB&M.
- c. Cancellation of approximately 658 acres of active Williamson Act Land Use Contracts.

Site 4:

- a. Conditional Use Permit No. 16, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 12, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 27 of Township 28 South and Range 23 East, MDB&M.
- c. Cancellation of approximately 61 acres of active Williamson Act Land Use Contracts.

Site 5:

- a. Conditional Use Permit No. 26, Map 99 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. Conditional Use Permit No. 27, Map 99 to allow for the construction and operation of a microwave tower within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.F of the Kern County Zoning Ordinance.
- c. General Plan Amendment No. 10, Map 99 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in sections 2, 11, 12, 13, 14, of Township 29 South and Range 24 East, MDB&M.
- d. Conditional Use Permit No. 61, Map 100 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- e. General Plan Amendment No. 31, Map 100 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 7 of Township 29 South and Range 25 East, MDB&M.
- f. Cancellation of approximately 2,694 acres of active Williamson Act Land Use Contracts.

Site 6:

- a. Conditional Use Permit No. 17, Map 78 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 10, Map 78 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in sections 23, 25, 26, 27, 34, 35 of Township 28 South and Range 24 East, MDB&M.
- c. Cancellation of approximately 1,646 acres of active Williamson Act Land Use Contracts.

Site 7:

- a. Conditional Use Permit No. 18, Map 78 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 11, Map 78 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 19 of Township 28 South and Range 24 East, MDB&M.
- c. Cancellation of approximately 480 acres of active Williamson Act Land Use Contracts.

Site 8:

- a. Conditional Use Permit No. 12, Map 54 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 1, Map 54 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 33 and 34 of Township 27 South and Range 23 East, MDB&M.
- c. Conditional Use Permit No. 17, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- d. Conditional Use Permit No. 18, Map 77 to allow for the construction and operation of a microwave tower within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.F of the Kern County Zoning Ordinance.
- e. General Plan Amendment No. 13, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in sections 1, 3, 4, 5, and 11 of Township 28 South and Range 23 East, MDB&M.
- f. Cancellation of approximately 2,921 acres of active Williamson Act Land Use Contracts.

Signature:

Name:



Jamal Ferguson, Planner I

Avantus Buttonbush Solar

Aerial Map

29SC 8ME, LLC

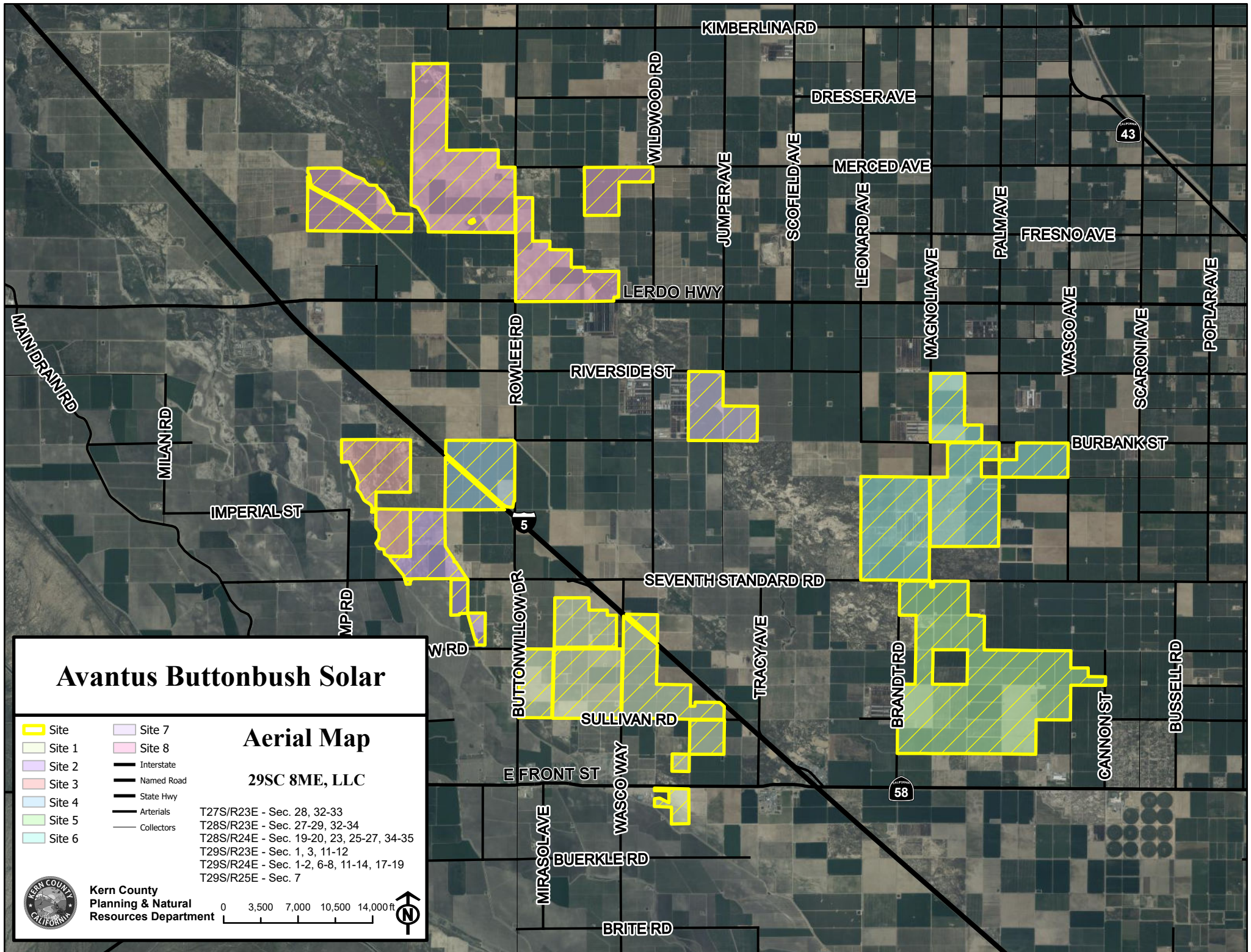
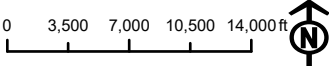
- Site
- Site 1
- Site 2
- Site 3
- Site 4
- Site 5
- Site 6
- Site 7
- Site 8

- Interstate
- Named Road
- State Hwy
- Arterials
- Collectors

T27S/R23E - Sec. 28, 32-33
 T28S/R23E - Sec. 27-29, 32-34
 T28S/R24E - Sec. 19-20, 23, 25-27, 34-35
 T29S/R23E - Sec. 1, 3, 11-12
 T29S/R24E - Sec. 1-2, 6-8, 11-14, 17-19
 T29S/R25E - Sec. 7



Kern County
 Planning & Natural
 Resources Department



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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: Buttonbush Solar by 29SC 8me LLC

Lead Agency: Kern County Planning and Natural Resources Department Contact Person: Jamal Ferguson

Mailing Address: 2700 "M" Street Suite 100 Phone: (661) 862-5017

City: Bakersfield Zip: 93301 County: Kern

Project Location: County: Kern City/Nearest Community: Buttonwillow

Cross Streets: Multiple Zip Code: 93313

Lat. / Long.: Multiple Total Acres: 12,785

Assessor's Parcel No.: Multiple Section: Multiple Twp.: Multiple Range: Multiple Base: MDB&M

Within 2 Miles: State Hwy #: I-5 Waterways: N/A

Airports: N/A Railways: N/A Schools: Buttonwillow Elementary
Oak Hills Christian Academy

Document Type:

CEQA: NOP Draft EIR NEPA: NOI Other: 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: Land Use Contract Cancellation

Development Type:

Residential: Units _____ Acres _____ Water Facilities: Type _____ MGD _____
 Office: Sq.ft. _____ Acres _____ Employees _____ Transportation: Type _____
 Commercial: Sq.ft. _____ Acres _____ Employees _____ Mining: Mineral _____
 Industrial: Sq.ft. _____ Acres _____ Employees _____ Power: Type PV Solar MW 2,000
 Educational _____ Waste Treatment: Type _____ MGD _____
 Recreational _____ Hazardous Waste: Type _____
 Other: Battery Energy Storage

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 Wildlife
 Coastal Zone Noise Solid Waste Growth Inducing
 Drainage/Absorption Population/Housing Balance Toxic/Hazardous Land Use
 Economic/Jobs Public Services/Facilities Traffic/Circulation Cumulative Effects
 Other GHG, Wildfire, Tribal Cultural Resources, Energy

Present Land Use/Zoning/General Plan Designation:

Agricultural Land/Zoning: A (Exclusive Agriculture)/General Plan: 8.4 (Mineral Petroleum)

Project Description: The proposed Buttonbush Solar Project would include the construction and operation of a photovoltaic (PV) solar facility and associated infrastructure to generate up to 2 gigawatts (GW) of alternating current (AC) power with an up to 2 GW energy storage system.

Implementation of the project as proposed includes the following requests:

Site 1:

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- d. Conditional Use Permit No. 61, Map 100 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- e. General Plan Amendment No. 31, Map 100 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 7 of Township 29 South and Range 25 East, MDB&M.
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- f. Cancellation of approximately 2,921 acres of active Williamson Act Land Use Contracts.

Reviewing Agencies Checklist

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

- | | |
|---|---|
| <input type="checkbox"/> Air Resources Board | <input type="checkbox"/> Office of Emergency Services |
| <input type="checkbox"/> Boating & Waterways, Department of | <input type="checkbox"/> Office of Historic Preservation |
| <input type="checkbox"/> California Highway Patrol | <input type="checkbox"/> Office of Public School Construction |
| <input type="checkbox"/> CalFire | <input type="checkbox"/> Parks & Recreation |
| <input checked="" type="checkbox"/> Caltrans District # <u>6</u> | <input type="checkbox"/> Pesticide Regulation, Department of |
| <input type="checkbox"/> Caltrans Division of Aeronautics | <input type="checkbox"/> Public Utilities Commission |
| <input type="checkbox"/> Caltrans Planning (Headquarters) | <input checked="" type="checkbox"/> Regional WQCB # <u>Central Valley</u> |
| <input type="checkbox"/> Central Valley Flood Protection Board | <input type="checkbox"/> Resources Agency |
| <input type="checkbox"/> Coachella Valley Mountains Conservancy | <input type="checkbox"/> S.F. Bay Conservation & Development Commission |
| <input type="checkbox"/> Coastal Commission | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers and Mtns Conservancy |
| <input type="checkbox"/> Colorado River Board | <input type="checkbox"/> San Joaquin River Conservancy |
| <input checked="" type="checkbox"/> Conservation, Department of | <input type="checkbox"/> Santa Monica Mountains Conservancy |
| <input type="checkbox"/> Corrections, Department of | <input type="checkbox"/> State Lands Commission |
| <input type="checkbox"/> Delta Protection Commission | <input type="checkbox"/> SWRCB: Clean Water Grants |
| <input type="checkbox"/> Education, Department of | <input type="checkbox"/> SWRCB: Water Quality |
| <input type="checkbox"/> Energy Commission | <input type="checkbox"/> SWRCB: Water Rights |
| <input checked="" type="checkbox"/> Fish & Game Region # <u>Fresno</u> | <input type="checkbox"/> Tahoe Regional Planning Agency |
| <input type="checkbox"/> Food & Agriculture, Department of | <input type="checkbox"/> Toxic Substances Control, Department of |
| <input type="checkbox"/> General Services, Department of | <input type="checkbox"/> Water Resources, Department of |
| <input type="checkbox"/> Health Services, Department of | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Housing & Community Development | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Integrated Waste Management Board | |
| <input checked="" type="checkbox"/> Native American Heritage Commission | |

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

Starting Date April 24, 2024 Ending Date May 24, 2024

Lead Agency (Complete if applicable):

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

Signature of Lead Agency Representative: _____ /s/ _____ **Date:** 4/24/2024
Jamal Ferguson, Planner I

Button Bush Solar PP24407
CC 04/11/2024

087 160 53 00 4
A J PARSONS & FAMILY LTD PTP
400 BUTTONWILLOW DR
BUTTONWILLOW CA 93206-9749

087 060 04 00 3
AERA ENERGY LLC
P O BOX 11164
BAKERSFIELD CA 93389-1164

103 070 15 00 5
AFFENTRANGER BROTHERS
18107 KRATZMEYER RD
BAKERSFIELD CA 93314-9481

103 010 18 00 6 **DUP**
AFFENTRANGER FARMS LLC
18107 KRATZMEYER RD
BAKERSFIELD CA 93314-9481

103 060 08 00 2 **DUP**
AFFENTRANGER RANCHES
18107 KRATZMEYER RD
BAKERSFIELD CA 93314-9481

103 030 45 00 0
AINHOA LAND HOLDINGS LP
PO BOX 816
BUTTONWILLOW CA 93206

100 030 16 00 5
ANALEN L P
400 BUTTONWILLO DR
BUTTONWILLOW CA 93206

087 200 26 00 7
ANDREOTTI HEIDI
436 COTTON AV
BUTTONWILLOW CA 93206-9746

087 160 19 01 5
ANDREOTTI LOUIS JR
391 W 3RD ST
BUTTONWILLOW CA 93206-9751

087 070 54 00 1
ANDREOTTI VIDO L SPECIAL NEEDS
TRUST
PO BOX 842
BUTTONWILLOW CA 93206

087 130 25 00 4
ANNNDY LLC
12932 ANDY DR
CERRITOS CA 90703-6066

101 010 17 00 9
AREGSUN FARMING CO 2 LLC
413 PALM DR # 1
GLENDALE CA 91202-2307

069 350 38 00 4
ASSESSOR TITLE SECTION
1115 TRUXTUN AV
BAKERSFIELD CA 93301

088 130 21 00 9
AUKEMAN INVESTMENTS LP
28349 LOS ANGELES ST
SHAFTER CA 93263-9567

071 150 16 00 9
B & K L P
1231 G ST
WASCO CA 93280

087 010 18 00 9
B&E ROMANINI INVESTMENTS LP
PO BOX 786
BUTTONWILLOW CA 93206

087 010 09 02 1
BASSI JANET L 2011 TRUST
1336 RICHARD ST
SAN LUIS OBISPO CA 93401

103 030 16 00 6
BELLUOMINI BROTHERS FARMING
12102 HURST PARK DR
BAKERSFIELD CA 93311-8573

103 030 21 00 0
BELLUOMINI ELMO E ET AL
12102 HURST PARK DR
BAKERSFIELD CA 93311-8573

103 100 28 00 1
BELLUOMINI RANCHES LP
12102 HURST PARK DR
BAKERSFIELD CA 93311-8573

069 340 44 00 8
BHAIKA FARMS L P
10801 RAMSGATE WY
BAKERSFIELD CA 93311-2936

100 020 19 00 1
BITTLESTON ALLAN & LYNDA REV
TR
7210 MEADOWBROOK LN
BAKERSFIELD CA 93309

100 030 06 00 6
BLOEMHOF AG ENTERPRISES
P O BOX 747
WASCO CA 93280

087 200 02 00 7
BONNIE & DAVID BLOEMHOF LLC
142 E TULARE AV
SHAFTER CA 93203

087 200 03 00 0
BONNIE & DAVID BLOEMHOF LLC
142 E TULARE AV
SHAFTER CA 93263-1834

103 060 04 00 0
BUSHNELL JON R & JULIA
BUSHNELL FAMILY TRUST
6608 BRANDT RD
BUTTONWILLOW CA 93206-9537

103 070 28 00 3
BUSHNELL MICHAEL D
PO BOX 853
BUTTONWILLOW CA 93206-0853

101 020 08 00 6
BUTTONWILLOW COUNTY WATER
DIST
P O BOX 874
BUTTONWILLOW CA 93206

087 130 20 00 9
BUTTONWILLOW IMP DIST
P O BOX Z
WASCO CA 93280

087 040 06 00 3
BUTTONWILLOW LAND & CATTLE
CO
7540 TRACY AV
BUTTONWILLOW CA 93206

100 100 34 00 7
BUTTONWILLOW WAREHOUSE CO
3430 UNICORN RD
BAKERSFIELD CA 93308-6829

069 340 67 00 5
CALIFORNIA RESOURCES
PETROLEUM CORP
27200 TOURNEY RD STE 200
SANTA CLARITA CA 91355-4910

088 110 54 00 9 **DUP**
CALIFORNIA RESOURCES
PETROLEUM CORPORATION
27200 TOURNEY RD STE 200
SANTA CLARITA CA 91355-4910

071 150 19 00 8 **DUP**
CALIFORNIA RESOURCES
PRODUCTION CORPORATION
27200 TOURNEY RD STE 200
SANTA CLARITA CA 91355-4910

087 010 09 01 2
CALLAHAN RANCH PROP LLC
P O BOX 1359
BETHEL ISLAND CA 94511

087 010 10 00 5 **DUP**
CALLAHAN RANCH PROP LLC
PO BOX 1359
BETHEL ISLAND CA 94511

103 130 02 00 4
CALLAN JOHN T
PO BOX 764
KENTFIELD CA 94914-0764

103 070 06 01 8
COLLINS DONALD & TRACY
3154 E PANAMA LN
BAKERSFIELD CA 93307-9208

088 180 37 00 1
COUNTY OF KERN
1115 TRUXTUN AV FLR 3
BAKERSFIELD CA 93301

101 060 06 00 2 **INC**
COUNTY OF KERN
*
*

101 060 12 00 9 **DUP**
COUNTY OF KERN
1115 TRUXTUN AV FLR 4
BAKERSFIELD CA 93301

087 090 01 00 3
DE BOER GEORGE & JENNIFER J
FAMILY TRUST
PO BOX 757
BUTTONWILLOW CA 93206

103 030 37 00 7
DE SHANE FAMILY TRUST
8605 CHAUMONT CT
BAKERSFIELD CA 93311-1502

088 200 07 00 9
DELANO GREENS LLC
9737 AERO DR STE 150
SAN DIEGO CA 92123

100 100 13 01 5
DOVE RANCH LLC
3430 UNICORN RD
BAKERSFIELD CA 93308

103 010 38 00 4
ESPARZA JOSE ROLANDO
PO BOX 412
BUTTONWILLOW CA 93206-0412

087 010 04 01 7
ETOLA MOSLEY FAMILY L P
29747 SAN DIEGO ST
SHAFTER CA 93263-9763

088 160 17 00 7
FAIAL LAND CO LP
PO BOX 456
ARVIN CA 93203-0456

103 110 01 00 5
FARMERS COOPERATIVE GIN INC
2531 WASCO WY
BUTTONWILLOW CA 93206

103 120 12 00 0
FARMERS COOPERATIVE GIN INC
RT 1 BX 15
BUTTONWILLOW CA 93206

103 040 20 00 0
FIVE RIVERS RANCH LLC
810 BAYRIDGE PL
FAIRFIELD CA 94535

100 020 04 00 7
FOX THOMAS W & LORIE A FAMILY
TRUST
7327 OUTINGDALE DR
BAKERSFIELD CA 93309-2764

087 160 52 00 1 **DUP**
FOX THOMAS W & LORIE A FMLY TR
7327 OUTINGDALE DR
BAKERSFIELD CA 93309-2764

087 160 25 00 3
FRED PALLA FARMS INC
327 CORN CAMP RD
BUTTONWILLOW CA 93206-9729

087 130 28 00 3 **DUP**
FRED PALLA FARMS INC ET AL
327 CORN CAMP RD
BUTTONWILLOW CA 93206-9729

100 090 02 00 2
GEORGE HAY CORPORATION
2001 22ND ST STE 100
BAKERSFIELD CA 93301

087 060 43 00 6
GIANNINI MICHAEL L & JENNIFER L
P O BOX 815
BUTTONWILLOW CA 93206

104 050 02 00 8
GLOBAL AG PROP USA LLC
2004 FOX DR STE L
CHAMPAIGN IL 61820-7346

103 010 29 00 8
GONTERO CLARA F M TR
525 PINEY WY
MORRO BAY CA 93442-2353

069 350 17 00 3
GOOSE POND AG INC
301 E MAIN ST
TURLOCK CA 95380-4537

069 340 28 01 1
GOOSELAKE HOLDING CO
7540 TRACY AV
BUTTONWILLOW CA 93206

104 100 05 00 1
GRIMMWAY ENTERPRISES INC
PO BOX 81498
BAKERSFIELD CA 93380-1498

103 010 36 00 8
HB AG INVS LLC
12300 PANAMA LN
BAKERSFIELD CA 93311-9794

103 070 09 00 8
HIGHWAY 58 LLC
300 PASEO TESORO
WALNUT CA 91789

100 100 07 01 8
HILL RANCH GROUP LLC
1600 CORN CAMP RD
BUTTONWILLOW CA 93206-9729

100 100 22 00 2
HOLDER DENNIS
1632 BUTTONWILLOW DR
BUTTONWILLOW CA 93206-0818

087 140 10 00 3
HOUCHIN CLIFFORD M MARITAL TR
1A
PO BOX 568
BUTTONWILLOW CA 93206-0568

087 160 01 00 3
HOUCHIN WALLACE & JANICE FAM
TR FBO VICKI C
3430 UNICORN RD
BAKERSFIELD CA 93308

087 100 05 00 7
J & R DAIRY
PO BOX 667
BUTTONWILLOW CA 93206-0667

104 040 01 00 2
J3G ENTERPRISES LLC
PO BOX 1200
WASCO CA 93280

088 180 16 01 9
JAG61 LP
PO BOX 1300
SHAFTER CA 93263-1300

087 080 04 00 9
JOHN HANCOCK MUTUAL LIFE INS
CO
301 E MAIN ST
TURLOCK CA 95380-4537

103 030 11 00 1
JOHNSON K L & PARKER M M
324 W TRYON ST
HILLSBOROUGH NC 27278-2438

088 180 35 00 5
JOHNSON NATHANIEL
140 W LERDO HW
SHAFTER CA 93263

103 130 06 00 6
JORGE EDWARD P REVOCABLE
SEPARATE PROP TRUST
P O BOX 2201
ORCUTT CA 93457

103 100 18 00 2
KEYVAN FARMS LLC
PO BOX 82034
BAKERSFIELD CA 93380-2034

088 210 02 00 7
LA BRUCHERIE RONALD V
12953 SOUTH BAKER
ONTARIO CA 91761

088 140 03 00 0
LERDO HIGHWAY SHAFTER CA LP
1521 WESTBRANCH DR STE 100
MCLEAN VA 22102

088 170 03 01 8 **DUP**
LERDO HIGHWAY SHAFTER CA LP
1521 WESTBRANCH DR STE 100
MC LEAN VI 22102

103 120 31 00 5
M&C ROMANINI FAMILY L P
6605 MOUNT WHITNEY DR
BAKERSFIELD CA 93309

087 030 11 00 4
MANSTON GREGG
PO BOX 343
CLAREMONT CA 91711

087 030 12 00 7 **DUP**
MANSTON GREGG
P O BOX 343
CLAREMONT CA 91711

069 340 34 01 8
MARICOPA ORCHARDS LLC
5260 N PALM AV ML STP M STE 421
FRESNO CA 93704

103 010 37 00 1
MARTINEZ MAGDALENO &
VIRGINIA
P O BOX 1046
SHAFTER CA 93263-1046

087 060 24 00 1
MC ABEE WINTON & BARBARA
FAMILY TRUST
P O BOX 686
SHAFTER CA 93263-0686

100 020 07 00 6
MELIS CORP
4450 OLIVE AV
LONG BEACH CA 90807

087 060 10 00 0
MELO JAMES
1644 LANTANA DR
MINDEN NV 89423

087 030 01 00 5
MGAI ENTERPRISE LLC
4210 BOUQUET WY # 39
SACRAMENTO CA 95834

087 150 26 00 3
NAHABEDIAN EXPLORATION GROUP
LLC (THE)
420 BRYANT CI STE D
OJAI CA 93023-4209

088 210 06 00 9
NO RIVER SANITARY DIST #1 ETAL
5001 OLIVE DR
BAKERSFIELD CA 93308-2955

088 110 06 00 0
OASIS HOLSTEINS
18041 PALM AV
SHAFTER CA 93263-9533

088 150 01 00 7
OHANNESON SEC 23 FARMLAND LLC
PO BOX 22560
BAKERSFIELD CA 93390-2560

069 340 50 00 5
OROZCO JESUS
12340 TELEPHONE AV
CHINO CA 91710

087 060 29 00 6
PACIFIC GAS & ELECTRIC CO
1 MARKET PZ STE 400
SAN FRANCISCO CA 94105-1004

088 170 10 00 9
PALLA ALEXANDER
6617 HOPPER AV
BAKERSFIELD CA 93308

087 130 08 01 4
PALLA ALFRED JR & JANETTE
FAMILY TRUST
327 CORN CAMP RD
BUTTONWILLOW CA 93206-9729

088 190 37 00 4
PALLA DONALD & CATHERINE FAM
TRUST
6615 KANE WY
BAKERSFIELD CA 93309

088 110 05 01 6 **DUP**
PALLA DONALD & CATHERINE FMLY
TR
6615 KANE WY
BAKERSFIELD CA 93309

100 010 20 00 0
PARSONS BROS PTP
400 BUTTONWILLOW DR
BUTTONWILLOW CA 93206-9749

087 200 06 00 9 **DUP**
PARSONS BROTHERS PTP
400 BUTTONWILLOW DR
BUTTONWILLOW CA 93206

103 040 02 00 8
PORTWOOD PHILIP FAMILY TRUST
P O BOX 781
WASCO CA 93280

103 120 29 00 0
PROLOGIS
1800 WAZEE ST STE 500
DENVER CO 80202-2526

087 140 05 00 9
QUAILWOOD GROVES LLC
PO BOX 98
BUTTONWILLOW CA 93206-0098

069 340 51 00 8
RAMIREZ ZUNIGA FAMILY LLC
1801 PARK COURT PL STE E201
SANTA ANA CA 92701

103 030 36 00 4
RJSP ROMANINI AG PROP LLC
45600 HWY 58
BUTTONWILLOW CA 93206

087 010 20 00 4
ROMANINI FAMILY L P
PO BOX 786
BUTTONWILLOW CA 93206

087 020 01 00 2
ROMANINI FAMILY L P
12107 HURST PARK DR
BAKERSFIELD CA 93311

088 140 20 01 8
ROMANINI LIVING TRUST
45600 HWY 58
BUTTONWILLOW CA 93206

087 210 08 00 8
ROMANINI WILLIE EST TR
P O BOX 850
WASCO CA 93280

103 040 30 00 9
ROYALE ENERGY INC
7676 HAZARD CENTER DR # 1500
SAN DIEGO CA 92108

087 060 46 00 5
RY FARMS INC
10622 RYCROFT WY
BAKERSFIELD CA 93311-2959

087 170 02 01 8
SAGE CREEK RANCH LLC
3430 UNICORN ST
BAKERSFIELD CA 93308

103 040 15 00 6
SALISBURY CHARLES S TR ET AL
P O BOX 54419
LOS ANGELES CA 90054

103 100 39 00 3
SAN JOAQUIN SOLUTIONS LLC
8953 QUAIL HOLLOW CT
BAKERSFIELD CA 93314

069 340 27 01 8
SANDFORD JEAN A TRUST
654 N RANCH WOOD TL
ORANGE CA 92869-2302

069 350 20 00 1 **DUP**
SANDRIDGE PARTNERS
960 N SAN ANTONIO RD STE 114
LOS ALTOS CA 94022-1346

103 120 25 00 8
SANDRIDGE PARTNERS L P
960 N SAN ANTONIO RD STE 114
LOS ALTOS CA 94022-1346

087 070 02 00 0 **DUP**
SANDRIDGE PARTNERS LP
960 N SAN ANTONIO RD STE 114
LOS ALTOS CA 94022-1346

069 340 72 00 9
SCROGGS ALAN & ELIZABETH
FAMILY TRUST
PO BOX 81678
BAKERSFIELD CA 93380-1678

069 350 07 01 3
SEMITROPIC IMPVT DIST
PO BOX 8043
WASCO CA 93280-8137

087 130 29 00 6
SEMITROPIC IMPVT DIST
PO BOX Z
WASCO CA 93280

069 350 29 00 8
SEMITROPIC WATER STORAGE DIST
P O BOX Z
WASCO CA 93280

088 180 04 01 4
SILL PROP INC
1508 18TH ST STE 320
BAKERSFIELD CA 93301

088 180 02 00 **DUP**
SILL PROPERTIES
1508 18TH ST STE 320
BAKERSFIELD CA 93301-4429

088 180 06 01 0 **DUP**
SILL PROPERTIES
1508 18TH ST # 320
BAKERSFIELD CA 93301

088 180 07 00 4 **DUP**
SILL PROPERTIES
1508 18TH ST RM 320
BAKERSFIELD CA 93301

088 180 11 01 4 **DUP**
SILL PROPERTIES INC
1508 18TH ST STE 320
BAKERSFIELD CA 93301

100 010 07 00 3
SKY TO WALK HEALTHY LLC
20735 E MILL LN
DIAMOND BAR CA 91789-4071

088 200 18 00 1
SLEGGERS BENNETT & RHONDA
FAMILY TRUST
15914 LEGACY CT
BAKERSFIELD CA 93314

088 170 09 00 7
SLEGGERS FAMILY L P
15914 LEGACY CT
BAKERSFIELD CA 93314

087 060 42 00 3
SLIKKER 2012 LIVING TR
12001 APRIL ANN AV
BAKERSFIELD CA 93312-3624

103 130 04 00 0
SOUTHERN CALIF EDISON CO
2244 WALNUT GROVE AV
ROSEMEAD CA 91770-3714

087 160 28 00 2
SOUTHERN CALIF GAS CO
612 SO FLOWER ST
LOS ANGELES CA 90054

087 010 14 00 7
SR RANCH LLC
2905 F ST
BAKERSFIELD CA 93301-1819

100 010 13 00 0
STARRH & STARRH COTTON
GROWERS LP
PO BOX 1537
SHAFTER CA 93263-1537

087 160 24 00 0
STATE OF CALIFORNIA
1807 13TH ST STE 103
SACRAMENTO CA 95814-7117

088 200 08 00 2
STATE OF CALIFORNIA
1416 NINTH ST
SACRAMENTO CA 95814

087 070 10 00 3
STITZINGER B L ET AL
6441 CAMILLE DR
HUNTINGTN BCH CA 92647

087 060 02 00 7
SWIFT STEVEN E & MARY A TR
P O BOX 111
TOUTLE WA 98649

087 010 01 00 9
SYED ASARULISLAM M & NAYLA A
TR
15821 CENTRAL AV
WASCO CA 93280

087 070 35 00 6
TAYAN REFAAT
25992 LERDO HWY
BUTTONWILLOW CA 93206

100 010 21 00 3
THOMSON FMLY PROP LLC
9913 SUNSET BL
BAKERSFIELD CA 93307-8512

088 150 18 00 7
TISS DAVID L & CONNIE L REV
TRUST
18221 MAGNOLIA AV
SHAFTER CA 93263-9741

088 190 20 00 4
TJAARDA RANCHES LLC
19211 MAGNOLIA AV
SHAFTER CA 93263-9561

087 060 45 00 2
TKAC JON V & WENDY D FMLY TR
12309 APRIL ANN AV
BAKERSFIELD CA 93312-4610

100 100 03 01 6
TORETTA LTD I LP
P O BOX 565
BUTTONWILLOW CA 93206

087 010 08 00 0
TRACY RANCH INC
7540 TRACY AV
BUTTONWILLOW CA 93206-9742

087 040 04 00 7
TRACY ROBERT & ELIZABETH REV
TR
P O BOX 505
BUTTONWILLOW CA 93206

069 350 40 00 9
UNDERGROUND ENERGY INC
7 W FIGUEROA ST FLR 3
SANTA BARBARA CA 93101-5109

103 100 37 00 7
UNION PACIFIC RAILROAD CO
1400 DOUGLAS ST
OMAHA NE 68179-1610

069 340 32 00 3
VANDER POEL BRIAN TR
15147 MOORESVILLE PL
BAKERSFIELD CA 93314

088 150 19 00 0
VANDER POEL FAMILY TRUST
28989 RIVERSIDE ST
SHAFTER CA 93263-9632

088 180 36 00 8
VILLALVAZO RAMON & MARIA J
140 W LERDO HW
SHAFTER CA 93263

069 340 71 00 6
WAGNER FAMILY TRUST
PO BOX 975
SHAFTER CA 93263-0975

069 350 08 01 6
WATERHOUSE & NEUFELD FAM
TRUST
PO BOX 8014
WASCO CA 93280-8088

088 170 17 00 0
WEST STAR DAIRY
26953 RIVERSIDE ST
BUTTONWILLOW CA 93206-9730

087 010 21 00 7
WILDWOOD GROUP INC
2800 ROAD 136
DELANO CA 93215-9326

103 100 19 01 4
WILLOW AVENUE INVESTMENTS
LLC
5260 N PALM AV STE 421A
FRESNO CA 93704

088 140 23 00 8
YANG LE SA & YU MU CHI
2558 BLAZE TL
DIAMOND BAR CA 91765-3209

087 090 04 00 2
YEN JASON FELIX & WANG ANQI
36 E 125TH ST
BURNSVILLE MN 55337

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

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

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

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

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

City of McFarland
401 West Kern Avenue
McFarland, CA 93250

City of Ridgecrest
100 West California Avenue
Ridgecrest, CA 93555

City of Shafter
336 Pacific Avenue
Shafter, CA 93263

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

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

City of Wasco
764 E Street
Wasco, CA 93280

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

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

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

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

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

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

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

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

North West Kern Resource Cons Dist
5080 California Avenue, Suite 150
Bakersfield, CA 93309

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

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

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

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 Library/Beale
Andie Sullivan

Kern County Parks & Recreation

Kern County Sheriff's Dept
Administration

Kern County Public Works Department/
Building & Development/Code
Compliance

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

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

Adams, Broadwell, Joseph & Cardozo
Attention: Janet M. Laurain
601 Gateway Boulevard, Suite 1000
South San Francisco, CA 94080

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

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

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

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

Pacific Gas & Electric Co
Land Projects
650 "O" Street, First Floor
Fresno, CA 93760-0001

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

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

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

Leadership Counsel for Justice &
Accountability
85350 Bagdad Ave.
Coachella, CA 92236

LIUNA
Attn: Danny Zaragoza
2201 "H" Street
Bakersfield, CA 93301

Tulare Basin Wetlands Association
Attention Dennis Slater
5316 Muirfield Drive
Bakersfield, CA 93306-9704

Semi Tropic Water Storage Dist
P.O. Box Z
Wasco, CA 93280

Rosedale-Rio Bravo Water Dist
849 Allen Road
Bakersfield, CA 93314

Buena Vista Water Storage Dist
P.O. Box 756
Buttonwillow, CA 93206

Wasco Union Elementary School Dist
639 Broadway
Wasco, CA 93280

Richland-Lerdo Union School Dist
331 Shafter Avenue
Shafter, CA 93263

Shafter High School Dist
526 Mannel Avenue
Shafter, CA 93263

Shafter Rec & Parks Dist
700 East Tulare Avenue
Shafter, CA 93263

Buttonwillow Union School Dist
42600 Highway 58
Buttonwillow, CA 93206

Wasco Union Elementary School Dist
639 Broadway
Wasco, CA 93280

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

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

David Walsh
22941 Banducci Road
Tehachapi, CA 93561

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

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

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

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

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

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

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

PG&E
Steven Ng, Manager
Renewal Dev, T&D Intercon
77 Beal Street, Room 5361
San Francisco, CA 94105

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

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

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

U. S. Fish & Wildlife Service
Division of Ecological Services
2800 Cottage Way #W-2605
Sacramento, CA 95825-1846

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

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

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

California Regional Water Quality
Control Board/Central Valley Region
1685 E Street
Fresno, CA 93706-2020

Kern County Public Works Department/
Building & Development/Floodplain

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

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

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

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

San Joaquin Valley
Air Pollution Control District
1990 East Gettysburg Avenue
Fresno, CA 93726

Kern Mosquito Abatement Dist
4705 Allen Road
Bakersfield, CA 93314

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

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

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

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

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

Rio Bravo-Greeley Union School Dist
6521 Enos Lane
Bakersfield, CA 93314

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

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

Maple School Dist
29161 Fresno Avenue
Shafter, CA 93263

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

Wasco Rec & Parks Dist
1280 Poplar Street
Wasco, CA 93280

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

Buttonwillow Rec & Parks Dist
P.O. Box 434
Buttonwillow, CA 93206-9320

103 010 42 00 5
3&1 FARMS INC
6608 BRANDT RD
BUTTONWILLOW CA 93206-9537

NOTICE OF PREPARATION

Buttonbush Solar Project by 29SC 8me LLC

Site 1

CUP No. 17, Map 98; CUP No. 19, Map 98; GPA 4, Map 98; SPA No. 5, Map 98; CUP No. 25, Map 99; SPA No. 9, Map 99; GPA No. 8, Map 99

Site 2

CUP No. 14, Map 77; GPA No. 10, Map 77; CUP No. 18, Map 98

Site 3

CUP No. 15, Map 77; GPA No. 11, Map 77

Site 4

CUP No. 16, Map 77; GPA No. 12, Map 77

Site 5

CUP No. 26, Map 99; CUP No. 27, Map 99; GPA No. 10, Map 99; CUP No. 61, Map 100; GPA No. 31, Map 100

Site 6

CUP No. 17, Map 78; GPA No. 10, Map 78

Site 7

CUP No. 18, Map 78; GPA No. 11, Map 78

Site 8

CUP No. 12, Map 54; GPA No. 1, Map 54; CUP No. 17, Map 77; CUP No. 18, Map 77; GPA No. 13, Map 77

PP24407

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Introduction

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

1. Project Description

1.1. Project Location

The Buttonbush Solar and Storage Project (proposed project) is a proposal by 29SC 8me LLC (project proponent) construction and operation of a photovoltaic (PV) solar facility and associated infrastructure necessary to generate up to 2 gigawatts (GW) of alternating current (AC) power with an up to 2 GW energy storage system. The project as proposed would be located on 132 parcels across approximately 12,785 acres of privately owned land currently under agricultural use in the valley region of Kern County as shown on *Figure 1, Vicinity*.

The project boundaries, as well as aerial views of the project location, are shown on *Figures 2a through 2e, Aerial Figures*, which shows that the project site straddles Interstate 5 (I-5), is east of Buttonwillow Raceway Park, just north of Highway 58, and south of Kimberlina Road. Several single-family homes and agriculture-related structures are near the project boundary. Several properties within the project boundary contain agriculture structures and single-family homes. One single-family home on APN 087-040-04 would be removed during project construction. Vehicular access to the site would likely be from Wasco Way, Merced Avenue, Lerdo Highway, Rowlee Road, Wildwood Road, Riverside Street, Burbank Street, Buttonwillow Drive, 7th Standard Road, Snow Road, Blue Star Memorial Highway, and Sullivan Road. Many dirt roads cross the project site.

According to the U.S. Geological Survey (USGS), the project site is within the Wasco SW, Semitropic, Rio Bravo, Buttonwillow, and Lokern USGS 1:24,000 topographic maps (7.5-minute quadrangle). More specifically, the project is located as follows: Township 27 S, Range 23 E, all or portions of Sections 28 (portion) and 33 (all), and Township 28S, Range 23E, all or portions of Sections 3, 4, 5 (all) and 1, 2, 11, 12, 27, 28, 29, 33, and 34 (portions) and Township 28S, Range 24E, all or portions of Sections, 19, 20, 23, 25, 26, 27, 34, and 35 (portions) and all of 34 and Township 29S, Range 23E, all or portions of Sections 1, 3, 11, 13, 24 (portions) and 12 (all), and Township 29S, Range 24E, all or portions of Sections 12 (all) and 1, 2, 6, 7, 8, 11, 13, 14, 17, 18, 19, and 20 (portions), and Township 29S, Range 25E, portions of Section 7. The project site is within unincorporated Kern County directly north of the community of Buttonwillow, approximately two miles west of the City of Shafter, and approximately seven miles southwest of the City of Wasco.

As shown on *Figures 3a through 3e, Assessor's Parcelization Map*, the project site consists of 132 parcels comprising approximately 12,785 acres. The parcels are listed in *Table 1*, Project Assessor Parcel Numbers, Zone Map, Existing Map Code Designations, Existing Zoning, Williamson Act Status, and Acreage (see *Figure 4a through 4e, Existing General Plan Designations*, and *Figures 5a through 5e, Existing Zoning*).



TABLE 1. PROJECT ASSESSOR PARCEL NUMBERS, ZONE MAP, EXISTING MAP CODE DESIGNATIONS, EXISTING ZONING, WILLIAMSON ACT STATUS, AND ACREAGE

APN	Zone Map	Existing Map Code Designation	Existing Zoning	Williamson Act Status	Parcel Acreage
069-340-28	54	8.1/2.3	A	Active	120
069-350-07	54	8.1/2.3	A	N/A	160
069-350-09	54	8.1/2.3	A	Active	560*
087-010-11	77	8.1; 8.1/2.3	A	Active	78.18
087-010-18	77	8.1	A	Active	60.39
087-010-20	77	8.1	A	Active	80.01
087-010-22	77	8.1	A	Active	66.29
087-020-01	77	8.1	A	Active	80
087-040-01	77	8.1/2.3	A	Active	589.88*
087-040-04	77	8.1/2.3	A	N/A	3.28
087-040-07	77	8.1; 8.1/2.3	A	Active	588.01
087-050-18	77	8.1/2.3; 8.4	A	Active	118.35
087-050-28	77	8.1/2.3	A	Active	11.46
087-050-29	77	8.1; 8.1/2.3	A	Active	391.74*
087-050-38	77	8.1; 8.1/2.3	A	Active	37.41
087-060-01	77	8.5	A	Active	39.09
087-060-05	77	8.1	A	Active	20
087-060-06	77	8.1	A	Active	5
087-060-07	77	8.1	A	Active	5
087-060-08	77	8.1	A	Active	10
087-060-09	77	8.1	A	N/A	10
087-060-11	77	8.1	A	Active	40
087-060-12	77	8.1	A	Active	19.55
087-060-13	77	8.1	A	Active	19.55
087-060-14	77	8.1/8.5	A	Active	235.45
087-060-15	77	8.5	A	Active	99.09
087-060-39	77	8.1	A	Active	136.46
087-160-01	77	8.1	A	Active	160
087-160-19	77	8.1	A	Active	80
087-160-52	77	8.1	A	Active	208.68
087-160-53	77	8.1	A	Active	395.44
087-170-04	77	8.1	A	Active	159.68*
087-170-12	77	8.1	A	Active	120.49
087-170-13	77	8.1	A	Active	40.13*
087-200-02	77	8.1	A	Active	160
087-200-03	77	8.1	A	N/A	79.83



APN	Zone Map	Existing Map Code Designation	Existing Zoning	Williamson Act Status	Parcel Acreage
087-200-05	77	8.1	A	Active	40.62
087-200-16	77	8.1	A	Active	10
087-200-28	77	8.1	A	Active	5
087-200-29	77	8.1	A	Active	9.55
087-200-30	77	8.1	A	N/A	10
087-200-31	77	8.1	A	Active	10
087-200-35	77	8.1	A	Active	195.27
087-200-37	77	8.1	A	N/A	46.79
087-200-39	77	8.1	A	Active	39.86
087-200-54	77	8.1	A	Active	44.09
087-210-10	77	8.1	A	Active	35.99*
088-150-01	78	8.1	A	Active	625.44*
088-170-09	78	8.1; 8.1/2.3	A	Active	160.13
088-170-14	78	8.1/2.3; 8.3	A	Active	279.74
088-170-20	78	8.1/2.3	A	Active	48.21*
088-180-02	78	8.1	A	Active	317.27
088-180-04	78	8.1	A	N/A	57.7
088-180-06	78	8.3	A	N/A	70
088-180-07	78	8.3	A	N/A	9.93
088-180-10	78	8.1	A	Active	119
088-180-11	78	8.1	A	Active	39.09
088-180-12	78	8.1	A	Active	117.27
088-180-34	78	8.1	A	Active	60.85
088-190-20	78	8.1	A	Active	318.18
088-210-01	78	8.1	A	Active	318.18
088-220-15	78	8.1	A	N/A	50
088-220-16	78	8.3	A	N/A	158.18
088-220-17	78	8.1	A	N/A	235.45
088-220-19	78	8.1	A	N/A	40
088-220-20	78	8.1	A	N/A	35
088-220-21	78	8.1	A	N/A	20
088-220-22	78	8.1	A	N/A	40
088-220-23	78	8.1	A	N/A	5.06
088-220-24	78	8.1	A	N/A	5
088-220-25	78	8.1	A	N/A	5
088-220-31	78	8.1	A	N/A	19.65
088-220-32	78	8.1	A	N/A	16.62
100-010-13	98	8.1/8.4	A	Active	267.27*



APN	Zone Map	Existing Map Code Designation	Existing Zoning	Williamson Act Status	Parcel Acreage
100-010-14	98	8.1	A	Active	49.09
100-010-22	98	8.1	A	Active	204.5*
100-020-19	98	8.5	A	Active	219.87*
100-030-08	98	8.1	A	N/A	3.58
100-100-03	98	8.1/8.4	A	Active	158.18
100-100-04	98	Intensive Agriculture**	A	N/A	2.5
100-100-05	98	Intensive Agriculture**	A	Active	37.5
100-100-06	98	Intensive Agriculture**	A	Active	39.09
100-100-07	98	Intensive Agriculture**	A	Active	39.09
100-100-08	98	Intensive Agriculture**	A	Active	20
100-100-09	98	Intensive Agriculture**	A	Active	20
100-100-10	98	Intensive Agriculture**	A	Active	158.18
100-100-19	98	8.1	A	Active	77.88
100-100-26	98	8.1	A	Active	151.66*
100-100-27	98	Intensive Agriculture**	A	Active	76.06
100-100-29	98	Intensive Agriculture**	A	Active	109.38*
100-100-31	98	8.1	A	Active	78.18
100-100-32	98	8.1	A	Active	80
103-010-18	99	8.1	A	Active	31.13
103-010-19	99	8.1	A	Active	32.05
103-010-20	99	8.1	A	Active	31.13
103-010-21	99	8.1	A	Active	16.06
103-010-25	99	8.1	A	Active	104.18
103-010-28	99	8.1	A	Active	153.34
103-010-30	99	8.1	A	Active	16.06
103-010-31	99	8.1	A	Active	32.05
103-010-32	99	8.1	A	Active	94.32
103-010-39	99	8.1	A	Active	26.4*
103-010-40	99	8.1	A	Active	52.69*
103-010-43	99	8.1	A	Active	160*
103-030-45	99	8.1	A	Active	55.35
103-030-46	99	8.1/8.4	A	Active	87.05
103-040-02	99	8.1	A	Active	155.59
103-040-08	99	8.1/8.4	A	N/A	98.87*
103-040-14	99	8.1/8.4	A	Active	158.59
103-040-24	99	8.1/8.4	A	Active	158.18
103-060-04	99	8.1	A	Active	318.18*
103-060-05	99	8.1	A	Active	318.18



APN	Zone Map	Existing Map Code Designation	Existing Zoning	Williamson Act Status	Parcel Acreage
103-060-08	99	8.1	A	Active	98.87*
103-060-09	99	8.1	A	Active	2
103-060-10	99	8.1	A	Active	240
103-060-11	99	8.1	A	Active	160
103-060-12	99	8.1	A	Active	160
103-070-07	99	8.1	A	Active	160
103-070-08	99	8.1	A	Active	160
103-070-13	99	8.1	A	Active	39.7
103-070-14	99	8.1	A	Active	40.22
103-070-15	99	8.1	A	Active	39.72
103-070-16	99	8.1	A	Active	40.24
103-070-17	99	8.1	A	Active	39.74
103-070-18	99	8.1	A	Active	40.25
103-070-19	99	8.1	A	Active	80.03
103-100-01	99	8.1/8.4	A	Active	119.09
103-100-02	99	8.1/8.4	A	Active	39.09
103-100-23	99	8.1	A	N/A	150.29*
103-120-30	99	8.5	A	N/A	102.98
104-050-01	100	8.1	A	Active	217.35
104-050-08	100	8.1	A	Active	157.85

*Only a portion of the parcel would be developed as part of the proposed project.

**Buttonwillow Community Planning Specific Plan

Map Code Designations: 2.3 - Shallow Groundwater; 4.1 - Accepted Community Plan Areas (Buttonwillow Community Development Plan); 8.1, Intensive Agriculture (Min. 20-Acre Parcel Size); 8.3 - Extensive Agriculture (Min. 5-Acre Parcel Size); 8.4 - Mineral and Petroleum (Min. 5-Acre Parcel Size); 8.5 - Resource Management (Min. 20- or 80- Acre Parcel Size)

Zoning Classification: A (Exclusive Agriculture)

1.2. Environmental Setting

The project site is located in the southern portion of San Joaquin Valley in the valley region of Kern County, specifically in proximity to Interstate 5, Highway 58, and Highway 46. The project site is located primarily on flat terrain, currently either used for agricultural operations and/or vacant undisturbed land designated for agricultural use.

The Kern County Sheriff’s Office would provide law enforcement and public safety services to the project site, as the Kern County Sheriff’s Office serves unincorporated areas of Kern County. The Kern County Sheriff’s Office Buttonwillow Substation, located at 181 E 1st Street, Buttonwillow, California 93206, is the closest police station to the project site, located approximately one (1) mile west of the project site. The Kern County Fire Department provides fire protection and emergency medical services to unincorporated areas of Kern County and thus would provide fire protection services to the project site. Kern County Fire



Station 25 is the fire station located closest to the project site, approximately one (1) mile west of the project site at 100 Mirasol Ave. Buttonwillow, California 93206.

The nearest public airports are the Elk Hills – Buttonwillow Airport, located at Buttonwillow, California, approximately 5.3 miles south of the project site, and the Shafter-Minter Field Airport located at 201 Aviation St. Shafter, California 93263. Approximately 13 miles northeast of the project site. The project site is not located within any safety or noise contour zones for these airports or within any designated airport land use plan areas (see **Figure 9, Airport Land Use Compatibility Map**).

There are multiple sensitive receptors (single-family residences) located in the immediate vicinity of the project. The first receptor is a residential home on APN 087-040-04, located immediately within the Project, west of Rowlee Road and south of Merced Avenue. This residential home would be removed as part of the proposed project. The second receptor is a residential home and outbuildings on APN 087-040-06, west of Rowlee Road and north of Lerdo Hwy. A third residential home and outbuildings are located on APN 103-010-42 and 103-010-43, east of Brandt Road and south of Seventh Standard Road. A residential home and agriculture-related outbuildings are on APN 103-060-04, just east of Brandt Road and north of Sullivan Road. The owners of the abovementioned residential homes are all participating in the project.

A majority of the project site is located within the Kern County General Plan area with a small portion located within the boundaries of the Buttonwillow Community Development Specific Plan. As shown in **Figures 4a through 4e, Existing General Plan Land Use Designations**, the project site is designated by the General Plan as 4.1 (Intensive Agriculture), 8.1 (Intensive Agriculture, Min. 20-Acre Parcel Size), 8.1/2.3; 8.1 (Intensive Agriculture, Min. 20-Acre Parcel Size/Shallow Groundwater), 8.3 (Extensive Agriculture, min. 20-acre parcel size), 8.4 (Mineral and Petroleum, Min. 5-Acre Parcel Size) and 8.5 (Resource Management, Min. 20- or 80-Acre Parcel Size). The project site is zoned A (Exclusive Agriculture) which is consistent with the existing General Plan Designations of the project site per the Kern County General Plan Designations and Zone District Consistency Matrix of the Kern County General Plan Land Use Element (**Figure 5a through 5e, Existing Zoning**).

The Federal Emergency Management Agency (FEMA) delineates flood hazard areas on its Flood Insurance Rate Maps. According to the Flood Insurance Rate Maps for the project site, the site is located within Zone X. Zone X designates areas of minimal flood hazard which are determined to be outside of the 0.2% floodplain.

The project site is within Kern County Agriculture Preserves No. 6, No. 8, and No. 9. Approximately 11,492 acres of the approximately 12,785 total project acres (116 of the 132 parcels within the project site boundaries) are subject to active Williamson Act Land Use or farmland security zone contracts (see **Figure 8, Williamson Act Cancellation**).

The project site is located on lands designated by the Farm Mapping and Monitoring Program as Prime Farmland, Farmland of Statewide Importance, Unique Farmlands, Grazing Land, Nonagricultural or Natural Vegetation, and Vacant or Disturbed Land. According to the DOC, Prime Farmland is defined as land that has the best combination of physical and chemical characteristics for the production of crops. Farmland of Statewide Importance is defined as land other than Prime Farmland that has a good combination of physical and chemical characteristics for the production of crops. Unique Farmland is defined as land which does not meet the criteria for Prime Farmland or Farmland of Statewide Importance yet has been used for the production of specific high economic value crops at some time during the two update cycles prior to the mapping date.



The project site is not located within a designated Mineral Resource Zone. There are several oil and gas wells located within the project site as well as mineral rights holders that currently have active rights to mineral resources on several of the project parcels. Development of the project would include a 10-foot no-build setback around the oil and gas wells and provide drilling areas of suitable size and at agreed upon locations to provide mineral access to mineral rights holders within the project site.

Surrounding Land Uses

Existing land uses surrounding the project site consist largely of agriculturally zoned parcels which are sparsely occupied by farm or rural residential uses. The primary zoning classification in the 5-mile radius surrounding the project site is Zone A (Exclusive Agriculture). Rural residential buildings are located in the unincorporated community of Buttonwillow, within the project site. The nearest school is Buttonwillow Elementary School, located approximately one mile southwest at 42600 Highway 58 Buttonwillow, California 93206.

Table 2, *Project Site and Surrounding Property's Land Use, General Plan Map Code Designations, and Zoning*, details the surrounding land uses, including the General Plan designations and existing zoning.



TABLE 2. PROJECT SITE AND SURROUNDING PROPERTIES LAND USE, GENERAL PLAN MAP CODE DESIGNATIONS, AND ZONING

Location	Existing Land Use	Existing General Plan Map Code Designations	Existing Zoning
Project Site	Active Agriculture Activities, Vacant Open Space, Rural Residences, Canals, and Irrigation Ponds	<p><i>Kern County General Plan:</i></p> <p>2.3 (Shallow Groundwater)</p> <p>4.1 (Accepted Community Plan Area)</p> <p>8.1 (Intensive Agriculture, Min. 20-Acre Parcel Size)</p> <p>8.3 (Extensive Agriculture, Min. 20-Acre Parcel Size)</p> <p>8.4 (Mineral and Petroleum, Min. 5-Acre Parcel Size)</p> <p>8.5 (Resource Management, Min. 20- or 80-Acre Parcel Size)</p> <p><i>Buttonwillow Community Development Plan:</i></p> <p>Agriculture</p>	A (Exclusive Agriculture)
North	Active Agriculture Activities, Vacant Open Space, Rural Residences, County Landfill, Highway 46	<p><i>Kern County General Plan</i></p> <p>8.1 (Intensive Agriculture, min. acre parcel size)</p> <p>8.1/2.3 (Intensive Agriculture, Min. 20-Acre Parcel Size)</p> <p>8.3 (Extensive Agriculture, Min. 20-Acre Parcel Size)</p> <p>8.5 (Resource Management, Min. 20- or 80-Acre Parcel Size)</p>	A (Exclusive Agriculture)
East	Active Agriculture Activities, Dairies, Oil and Gas Production, City of Shafter, Rural Residences, Highway 43	<p><i>Kern County General Plan</i></p> <p>8.1 (Intensive Agriculture, Min. 20-Acre Parcel Size),</p> <p>8.1/2.3 (Intensive Agriculture, Min. 20-Acre Parcel Size/Shallow Groundwater),</p> <p>8.3 (Extensive Agriculture, Min. 20-Acre Parcel Size),</p> <p>8.5 (Resource Management, Min. 20- or 80-Acre Parcel)</p>	A (Exclusive Agriculture), A-1 (Limited Agriculture), C-2 PD (General Commercial, Precise Development), M-2 PD (Medium Industrial, Precise Development)



Location	Existing Land Use	Existing General Plan Map Code Designations	Existing Zoning
South	Active Agriculture Activities, Community of Buttonwillow, Community of Rio Bravo, Rural Residences, Industrial Activities, Closed Landfill, State Route 58	<i>Kern County General Plan</i> 4.1 (Buttonwillow Community Development Plan), 8.1 (Intensive Agriculture, Min. 20-Acre Parcel Size), 8.5 (Resource Management, Min. 20- or 80-Acre Parcel Size) <i>Buttonwillow Community Development Plan:</i> Park Public Utility Residential Agricultural Light Industrial Sanitary Landfill	A (Exclusive Agriculture), A-1 (Limited Agriculture) R-1 (Low-Density residential) R-2 (Medium-Density Residential) C-2 (General Commercial) M-1 (Light Industrial) M-2 (Medium Industrial) E (Estate)
West	Active Agriculture land, Undisturbed Vacant Open Space, Raceway, Industrial Activities, Rural Residences, Interstate 5	<i>Kern County General Plan</i> 6.3 (Highway Commercial) 7.2 (Service Industrial) 8.1 (Intensive Agriculture Min 20-Acre Parcel Size) 8.3 (Intensive Agriculture Min. 5-Acre Parcel Size) 8.4 (Mineral and Petroleum) 8.5 (Resource Management, Min. 20- or 80-Acre Parcel Size)	A (Exclusive Agriculture), A-1 (Limited Agriculture)



1.3. Project Description

Project Overview

The project proponent (29SC 8me LLC by Avantus) proposes to develop a photovoltaic (PV) solar facility and associated infrastructure necessary to generate up to 2 gigawatts (GW) of AC power with an up to 2 GW energy storage system on approximately 12,785 acres located on 132 privately-owned parcels within the valley region of Kern County. The project would be supported by a 500-kV, overhead gen-tie and/or underground electrical transmission line(s) originating from one or more on-site substations and terminating at the Pacific Gas & Electric (PG&E) Midway Substation. PG&E will modify the Midway Substation's 500 kV yard, within PG&E's Midway Substation property boundary, to accommodate the proposed Project's interconnection. The proposed project may also interconnect at or near the PG&E Ganso Substation via overhead and/or underground gen-tie lines. The project's permanent facilities would include solar panels, solar racking, inverters, service roads, a power collection system, communication cables, overhead and underground transmission lines, electrical switchyards, project substations, energy storage system(s), and operations and maintenance (O&M) facilities.

Additionally, portions of the project may be used to power equipment in the existing oil fields approximately 15 miles west of the project site. The transfer of power would be supported by an up to 500-kV overhead gen-tie and/or underground electrical transmission line(s) originating from one or more on-site substations, routing west along Lerdo highway, and continuing southeast of the Lerdo Highway and Lost Hills Road intersection (see *Figure 12, Site Plan*).

The proposed project consists of the following requests:

Site 1:

- a. Conditional Use Permit No. 17, Map 98 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. Conditional Use Permit No. 19, Map 98 to allow for the construction and operation of a microwave tower within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.F of the Kern County Zoning Ordinance.
- c. General Plan Amendment No. 4, Map 98 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries of Sections 1, 11, 12 of Township 29 South, Range 23 East, MDB&M.
- d. Specific Plan Amendments No. 5, Map 98 to the Circulation Element of the Buttonwillow Community Development Specific Plan to remove future road reservations on the section and mid-section lines within the project boundaries 11 and 12 of Township 29 South, Range 23 East, MDB&M.
- e. Conditional Use Permit No. 25, Map 99 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- f. General Plan Amendment No. 8, Map No. 99 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section



lines within the project boundaries of Sections 6 and 7 of Township 29 South and Range 24 East, MDB&M.

- g. Specific Plan Amendments No. 9, Map 99 to the Circulation Element of the Buttonwillow Community Development Specific Plan to remove future road reservations on the section and mid-section lines within the project boundaries of Sections 7 of Township 29 South and Range 24 East, MDB&M.
- h. Cancellation of approximately 2,069 acres of active Williamson Act Land Use Contracts.

Site 2:

- a. Conditional Use Permit No. 14, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 10, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries of Sections 33 of Township 28 South and Range 23 East, MDB&M.
- c. Conditional Use Permit No. 18, Map 98 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- d. Cancellation of approximately 413 acres of active Williamson Act Land Use Contracts.

Site 3:

- a. Conditional Use Permit No. 15, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 11, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in Sections 28, 29, and 33 of Township 28 South and Range 23 East, MDB&M.
- c. Cancellation of approximately 658 acres of active Williamson Act Land Use Contracts.

Site 4:

- a. Conditional Use Permit No. 16, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 12, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 27 of Township 28 South and Range 23 East, MDB&M.
- c. Cancellation of approximately 611 acres of active Williamson Act Land Use Contracts.



Site 5:

- a. Conditional Use Permit No. 26, Map 99 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. Conditional Use Permit No. 27, Map 99 to allow for the construction and operation of a microwave tower within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.F of the Kern County Zoning Ordinance.
- c. General Plan Amendment No. 10, Map 99 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in sections 2, 11, 12, 13, 14, of Township 29 South and Range 24 East, MDB&M.
- d. Conditional Use Permit No. 61, Map 100 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- e. General Plan Amendment No. 31, Map 100 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 7 of Township 29 South and Range 25 East, MDB&M.
- f. Cancellation of approximately 2,694 acres of active Williamson Act Land Use Contracts.

Site 6:

- a. Conditional Use Permit No. 17, Map 78 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 10, Map 78 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in sections 23, 25, 26, 27, 34, 35 of Township 28 South and Range 24 East, MDB&M.
- c. Cancellation of approximately 1,646 acres of active Williamson Act Land Use Contracts.

Site 7:

- a. Conditional Use Permit No. 18, Map 78 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 11, Map 78 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 19 of Township 28 South and Range 24 East, MDB&M.
- c. Cancellation of approximately 480 acres of active Williamson Act Land Use Contracts.



Site 8:

- a. Conditional Use Permit No. 12, Map 54 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- b. General Plan Amendment No. 1, Map 54 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in section 33 and 34 of Township 27 South and Range 23 East, MDB&M.
- c. Conditional Use Permit No. 17, Map 77 to allow for the construction and operation of a commercial-scale solar facility within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.G of the Kern County Zoning Ordinance.
- d. Conditional Use Permit No. 18, Map 77 to allow for the construction and operation of a microwave tower within the A (Exclusive Agriculture) Zone District pursuant to Section 19.12.030.F of the Kern County Zoning Ordinance.
- e. General Plan Amendment No. 13, Map 77 to the Circulation Element of the Kern County General Plan to remove future road reservations on the section and mid-section lines within the project boundaries in sections 1, 3, 4, 5, and 11 of Township 28 South and Range 23 East, MDB&M.
- f. Cancellation of approximately 2,921 acres of active Williamson Act Land Use Contracts.

Power generated by the project would assist the State in achieving the Renewables Portfolio Standard under Senate Bill (SB) 350, which requires 50 percent of all electricity sold in the State to be generated from renewable energy sources by December 31, 2030. Power generated by the project would be sold to California investor-owned utilities, municipalities, community choice aggregations, or other purchasers in furtherance of the California Renewable Energy Portfolio Standard.

The project is expected to operate for approximately 30 years, although a longer project life expectancy could be realized by replacing and repowering certain project components. At the end of the project's operational term, the project proponent would determine whether the project site should be decommissioned and deconstructed or if it would seek an extension of its CUP. If any portion of the project site is decommissioned, it would be converted to other uses in accordance with the applicable land use regulations in effect at that time.

1.4. Project Facilities, Construction, and Operations

Project Facilities

PV Module Configuration

The proposed project would use photovoltaic panels or modules (including but not limited to concentrated photovoltaic technology) on mounting frameworks to convert sunlight directly into electricity. Individual panels would be installed on either fixed-tilt or tracker mount systems (single- or dual-axis, using steel or



aluminum). If the panels are configured for fixed tilt, the panels would be oriented toward the south. For tracking configurations, the panels would rotate to follow the sun over the course of the day. Although the panels could stand up to 20 feet high, depending on the mounting system used and on County building codes, panels are expected to remain between 6 and 8 feet high. The conceptual site plan exhibits showing the proposed project facilities, including solar block and solar panel layout, O&M building, project substation, and electrical infrastructure are shown on *Figures 7a through 7e*.

The foundations for the mounting structures can extend up to 10 feet below ground, depending on the structure, soil conditions, and wind loads, and may be encased in concrete or utilize small concrete footings. A light-colored ground cover or palliative may be used throughout the solar arrays, to increase electricity production from the panels. The final solar panel layout and spacing would be optimized for project area characteristics and the desired energy production profile.

The solar array fields would be arranged in groups called “blocks” with inverter stations generally located centrally within the blocks. Blocks would produce direct electrical current (DC), which is converted to alternating electrical current (AC) at the inverter stations.

Site Access

Construction and operation traffic would access the project site from Wasco Way, Merced Avenue, Lerdo Highway, Rowlee Road, Wildwood Road, Riverside Street, Burbank Street, Buttonwillow Drive, 7th Standard Road, Snow Road, Blue Star Memorial Highway, and Sullivan Road, depending on the portion of the project site to access. Driveways and parking lot entrances would be constructed in accordance with Kern County improvement standards. Any off-site roadway improvements would be constructed in conformance with Caltrans and/or County and/or City codes and regulations, as necessary and applicable.

Collection, Inverter, and Transformer Systems

Photovoltaic energy is delivered via cable to inverter stations, generally located near the center of each block of solar panels, to convert the DC energy to AC energy which can be dispatched to the transmission system. Inverter stations are typically comprised of one or more inverter modules with a rated power of up to 10 MW each, a unit transformer, and voltage switch gear. The unit transformer and voltage switch gear are housed in steel enclosures, while the inverter module(s) are housed in cabinets. Depending on the vendor selected, the inverter station may lie within an enclosed or canopied metal structure, typically on a skid or concrete pad.

Energy from the inverters would be transferred to the project substation(s) by overhead or underground collector lines ranging from 230kV to 34.5kV. Collector lines may be bundled together as they approach the substation(s), sharing common trenches or poles. Collector lines would connect to the substation bus bar before being stepped up to a higher voltage for transmission.

Battery Energy Storage System

The proposed project may include one or more Battery Energy Storage Systems (BESS), located at or near a substation/switchyard (on-site or shared) and/or at the inverter stations, but possibly elsewhere on-site. The collective BESS would be up to 2 GW in capacity and approximately 55 acres in total area, not to exceed 4% of the total project area. BESSs consist of modular and scalable battery packs and battery control systems that conform to U.S. national safety standards.



The BESS solutions include commercially available lithium-ion based or non-lithium ion-based storage technologies. The actual dimensions and number of energy storage modules and structures vary depending on the application, supplier, and configuration chosen, as well as an off-taker/power purchase agreement requirements and County building standards. These storage technologies typically consist of standard International Organization for Standardization containers (approximately 40 feet in length by 8 feet in width by 8 feet in height) housed in pad- or post-mounted, stackable metal structures, but may also be housed in a dedicated building(s) in compliance with applicable regulations.

The BESS solutions would be unmanned, remotely controlled containers and periodically inspected for maintenance purposes. The BESS solutions would be designed to conform with Kern County and national BESS fire standard NFPA 855, would have all required UL9540A reports, and would be certified to UL9540, if required.

On-site Meteorological Station

One or more solar meteorological stations would be on-site, the location of which would be determined in final project design. The meteorological station would include solar energy (irradiance) meters, in addition to an air temperature sensor and wind anemometer. It is anticipated that the maximum height of this equipment would be 20 feet.

Substation

Output from the inverter stations would be transferred via electrical conduits and electrical conductors to one or more on-site substation(s) or switchyard(s) (collectively referred to as a “substation” herein). Generally, the collectors would originate at each inverter and be “bundled” together as they approach the substation(s). Underground and/or overhead collector lines would cross Interstate 5 in several locations, depending on the final substation location(s). Each substation may contain several components, including auxiliary power transformers, distribution cabinets, revenue metering systems, microwave transmission towers, and voltage switch gear. Each substation would occupy an area of approximately 10 to 25 acres, secured separately by an additional chain-link fence, and typically located along the perimeter of the project. The final location(s) would be determined before issuance of building permits.

Substations typically include a small control building (roughly 500 square feet) standing approximately 10 feet tall. The building is either prefabricated concrete or steel housing with rooms for the voltage switch gear and the metering equipment, a room for the station supply transformer, and a separate control technology room in which the main computer, the intrusion detection system, and the main distribution equipment are housed. Components of this building (e.g., control technology room and intrusion detection system) may alternatively be located at the O&M building(s).

Microwave/Radio Tower

The proposed project may require redundant telecommunication connections. The primary telecommunication line may consist of fiber optic cable and/or copper telecommunication line installed above and/or below ground. One microwave/communication tower may be located with a substation in up to three location options, each location consisting of up to three 6-foot-high performance microwave dish(es) fixed to a steel monopole of up to 130 feet in height. An approximately 12-foot by 20-foot equipment shelter may also be included within a fenced area. The shelter would have a maximum height of 10 feet. The proposed project radio equipment may be within the equipment shelter and connected to the microwave dish(es) via coaxial or fiber optic cables. If the microwave tower were to be outside the selected



substation footprint, fencing may consist of an up to 6-foot-high chain-link fence with up to three strands of barbed wire (up to 2 feet high), for a total maximum height of 8 feet.

A separate conditional use permit (CUP) would be required for the microwave towers and is included in the proposed project's entitlement request.

Generation -Transmission Line

From the proposed project's substation(s), power would be transmitted to the PG&E Midway Substation via up to 500 –kV, overhead and/or underground gen-tie line(s). The proposed project may also interconnect to the PG&E Ganso Substation via overhead and/or underground gen-tie lines. The preferred and alternative gen-tie alignments are shown on *Figure 2, Project Site Boundaries*. Gen-tie alternatives would be sized at up to 500kv and up to 15 miles in length. Gen-tie alternatives generally originate from defined project areas and route to the southern project parcel cluster then head immediately south to PG&E's Midway Substation. The collector lines are generally located within or adjacent to the project parcels and may connect several parcels to a project substation. Both collector lines and gen-tie alternatives would use a 200-foot corridor. Those collector lines from the project parcel cluster to the main project substation would likely be sized at a voltage ranging from 34.5kV to 500 kV, with 34.5kV and 230kV being likely voltages. Final heights and structure types are subject to change pending final engineering.

One alternative would include an overhead gen-tie and/or underground electrical transmission line(s) originating from one or more on-site substations, routing west along Lerdo Highway, and terminating southeast of the Lerdo Highway and Lost Hills Road intersection. This alternative would allow for a portion of the power generated by the project to power equipment in the existing oil fields approximately 15 miles west of the project site.

Overhead lines would likely be mounted on tubular steel poles no higher than 200 feet tall. Portions of the gen-tie line and collector lines may be undergrounded to avoid conflict with other existing infrastructure. Kern County may accept Irrevocable Offers of Dedication, or grant a franchise, license, and/or encroachment agreement for portions of the gen-tie and collector lines, while other portions would be sited within private easements.

Construction of the gen-tie line may require several limited single-lane closures and limited complete road closures to allow construction personnel to safely construct the gen-tie lines. Any portion of the project parcels may be used as a temporary staging area before infrastructure is developed on that specific parcel. Additional staging areas would not be needed. Staging areas would be cleared, graveled, and fenced. Gates and road aprons would be constructed to facilitate ingress and egress of construction equipment and personnel.

Midway Substation Upgrades

As part of the proposed project, interconnection requests have been submitted to the California Independent System Operator Corporation (CAISO) for the project that would interconnect to PG&E's Midway Substation. PG&E's Midway Substation is bounded by agricultural fields to the north, south, and east and a recreation/sports field to the west; all in the unincorporated area of Buttonwillow in Kern County.

To accommodate the request, PG&E proposes to enlarge Midway Substation's 500-kV yard within the Midway Substation property boundaries. Specifically, PG&E proposes to remove the existing precast security wall at the northwest side of Midway Substation and replace it with a new 12-foot wall, approximately 510 feet north and 140 feet west of the existing walls of the 500 kV yard within Midway



Substation. Grading of the expansion area would be required.

Within the newly graded area of Midway Substation, PG&E would install approximately one 550 kV, 3,000A, 63kA high-voltage circuit breaker. This would include installing equipment foundations and concrete trenches, equipment cabinets, bus structures, communication lines, conduits, pull boxes, and concrete-encased conduit duct banks inside of the substation as required.

In addition to substation modifications, PG&E anticipates installing up to 2,000 feet of new 500 kV single-circuit transmission line, creating a new, direct tie from Midway Substation to the point-of-interconnection for the proposed project. The new transmission line would be supported by up to four approximately 175-foot-tall lattice steel towers (LST) or tubular steel poles (TSPs). The towers would be supported by concrete foundations. The foundations would be designed to support the designed loads based on local conditions.

Construction activities would be supported by up to four six-man crews working approximately 10-hour days, six days per week. Access would typically be from paved or previously disturbed roads; some minor overland travel may be required. Equipment typically includes helicopter, crane, drill rig, spool and tensioning rigs, backhoe, grader, concrete truck, typical rubber-wheeled construction vehicles, and miscellaneous hand tools. Additional land rights may need to be acquired to support the installation of the PG&E facilities.

Water Storage Tank(s)

One or more plastic or steel above-ground water storage tanks may be placed on-site near the O&M building(s). The storage tank(s) near the O&M building(s) would be sized in accordance with Kern County and fire department requirements and have the appropriate fire department connections to be used for fire suppression purposes.

Operations and Maintenance Building

The proposed project may include an O&M building(s) of approximately 40' x 80' in size, with associated on-site parking. The O&M building would be steel framed, with metal siding and roof panels. The O&M building may include the following:

- Office
- Repair building/parts storage
- Control room
- Restroom
- Septic tank and leach field

The septic tank and leach field, roads, driveways, and parking lot entrances would be constructed in accordance with Kern County improvement standards. Parking spaces and walkways would be constructed in accordance with all California Accessibility Regulations. It is expected that the proposed project could require an operational staff of up to 20 full-time employees and the O&M building may be remotely operated. Any unused O&M areas on-site may be covered by solar panels.

Project Site Security and Fencing

The project site would be enclosed within a chain link fence with barbed wire measuring up to 8 feet in



height (from finished grade). An intrusion alarm system comprised of sensor cables integrated into the perimeter fence, intrusion detection cabinets placed approximately every 1,500 feet along the perimeter fence, and an intrusions control unit, located either in the substation control room or at the O&M building, or similar technology, may be installed. Additionally, the proposed project may include additional security measures including, but not limited to, barbed wire, low voltage fencing with warning reflective signage, controlled access points, security alarms, security camera systems, and security guard vehicle patrols to deter trespassing and/or unauthorized activities that could interfere with operation of the proposed project. Following construction, the fencing around the project site would be permeable to allow for wildlife movement.

Controlled access gates would be maintained at the main entrances to the project site. Project access would be provided to offsite emergency response teams that respond in the event of an “after-hours” emergency. Enclosure gates would be manually operated with a key provided in an identified key box location.

Project Site Lighting

Proposed nighttime lighting on-site would be minimal and is anticipated to be installed at the access gates, substation(s), O&M building(s), and inverters to allow for access and emergency maintenance. Nighttime lighting would provide O&M personnel with illumination for both normal and emergency operating conditions. The minimum illumination needed to ensure worker safety and security on-site would be provided. All nighttime lighting installed would be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties as required by Kern County Ordinance (Chapter 19.81) - Outdoor Lighting-Dark Skies requirements. Additionally, motion-sensitive cameras would be installed within the solar fields in proximity to the inverters for purposes of security.

Construction Activities

The construction period for the proposed project from site preparation through construction, testing, and commercial operation is expected to commence as early as Q3 2025 and would extend for up to 60 months.

Construction of the proposed project would include the following activities:

- Site preparation
- Access and internal circulation roads
- Grading and earthwork
- Concrete foundations
- Structural steelwork
- Panel installation
- Electrical/instrumentation work
- Collector line installation
- Stormwater management facilities
- Gen-tie line(s)



Construction traffic would access the project site from Wasco Way, Merced Avenue, Lerdo Highway, Rowlee Road, Wildwood Road, Riverside Street, Burbank Street, Buttonwillow Drive, 7th Standard Road, Snow Road, Blue Star Memorial Highway, and Sullivan Road.

Construction activities would comply with Kern County and local municipalities' noise ordinances. Heavy construction is expected to occur between 7:00 am and 5:00 pm, Monday through Friday. If weekend work is required, construction would occur between 8:00 am and 9:00 pm. Low-level noise activities may potentially occur between the hours of 10:00 pm and 7:00 am. Nighttime activities could potentially include, but are not limited to, refueling equipment, staging material for the following day's construction activities, gen-tie crossing, quality assurance/control, and commissioning.

Materials and supplies would be delivered to the project site by truck. Truck deliveries would normally occur during daylight hours. However, there would be offloading and/or transporting to the project site on weekends and during evening hours.

Earthmoving activities are expected to be limited to the construction of the access roads, O&M building(s), substation(s), water storage tank, construction of solar panel foundation supports, BESSs, and any stormwater protection or storage (detention) facilities. Final grading may include revegetation with low-lying grass or applying earth-binding materials to disturbed areas.

Schedule and Workforce

The project would likely be built in up to five distinct phases over the course of up to 60 months. It is estimated that up to 800 workers per day (during peak construction periods) would be required during construction of the proposed project.

Construction Water Use

During construction, water would be required for common construction-related purposes, including but not limited to dust suppression, soil compaction, and grading. Total water usage during construction is not expected to exceed 3,500 acre-feet (no more than 1,000 AF per year). Semitropic Water Storage District has agreed to supply construction water for the Project. The water would be delivered at District turnouts on the Project Site via Semitropic's existing water infrastructure network. Additional water may be obtained from new or existing onsite wells or one or more off-site source(s) and delivered to the project site via truck. If off-site water is used, it would likely be obtained from a commercial source.

Temporary, portable water tanks may be placed on-site to store water for construction purposes. If the project proponent determines that off-site water would be used, evidence of an agreement to provide sufficient water quantities from the proposed off-site water purveyor(s) will be submitted. Portable restroom facilities would be provided to the workers during construction.

Project Operation and Maintenance Activities

Once the proposed project is constructed, maintenance would generally be limited to the following:

- Cleaning of PV panels
- Monitoring electricity generation
- Providing site security



- Facility maintenance – replacing or repairing inverters, wiring, and PV modules

Schedule and Workforce

It is expected that the proposed project could require an operational staff of up to 20 full-time employees. As previously mentioned above, it is possible that the proposed project could share O&M, substation, and/or transmission facilities with nearby energy projects. In such a scenario, the projects would share personnel, thereby potentially reducing the project's on-site staff.

The facility would operate seven days a week, 24 hours a day, generating electricity during normal daylight hours when solar energy is available. The BESS could dispatch energy at any time during the day or night. Maintenance activities may occur seven days a week, 24 hours a day to ensure BESS output and PV panel output when solar energy is available.

Operational Water Usage

Water demand for panel washing and O&M domestic use is not expected to exceed 7 AF per year. Water is anticipated to be obtained from new or existing on-site wells. Alternatively, water may be obtained from one or more off-site source(s) and delivered to the project site via pipeline or truck. If off-site water is used, it would likely be obtained from a commercial source. A small water treatment system with a footprint of up to 30 feet by 30 feet may be installed to provide deionized water for panel washing.

Decommissioning Activities

Solar equipment typically has a lifespan of over 30 years with regular maintenance intervals. The proposed project expects to sell the renewable energy produced by the project under the terms of a long-term Power Purchase Agreement (PPA) with a utility or other power off-taker. Upon completion of the PPA term, the project operator may, at its discretion, continue to generate and sell power from the project or decommission and remove the system and its components. Upon decommissioning, the solar and storage facility could be converted to other uses in accordance with applicable land use regulations in effect at that time.

It is anticipated that during project decommissioning, project structures that would not be needed for subsequent use would be removed from the project site. Above-ground equipment to be removed would include PV panels, BESS, microwave towers, module posts and support structures, on-site transmission poles that are not shared with third parties and the overhead collection system within the project site, inverters, substation(s), transformers, electrical wiring, equipment on the inverter pads, and related equipment and concrete pads.

Equipment would be de-energized before removal, salvaged (where possible), and shipped off-site to be recycled or disposed of at an appropriately licensed disposal facility. Once the solar modules are removed, the racks would be disassembled, and the structures supporting the racks would be removed. Site infrastructure would be removed, including fences, and concrete pads that may support the inverters, transformers, and related equipment, would also be removed. The demolition debris and removed equipment may be cut or dismantled into pieces that can be safely lifted or carried by standard construction equipment. The fencing and gates would be removed, and all materials would be recycled to the extent practical. Project roads would be restored to their pre-construction function unless they may be used for subsequent land use. The area would be thoroughly cleaned and all debris removed. Materials would be recycled to the extent feasible, with the remainder disposed of in landfills in compliance with all applicable laws.



Project Features and Best Management Practices

Standard project features and best management practices (BMPs) would be followed during construction, operation and maintenance of the proposed project to maintain the safety of employees and surrounding communities, and to minimize or avoid environmental impacts.

Waste and Hazardous Materials Management

The proposed project would have minimal levels of materials on site that have been defined as hazardous under 40 Code of Federal Regulations, Part 261. Hazardous materials and wastes would be managed, used, handled, stored, and transported in accordance with applicable local and state regulations. The following materials are expected to be used during the construction, operation, and long-term maintenance of the proposed project:

- Insulating oil – used for electrical equipment
- Lubricating oil – used for maintenance vehicles
- Various solvents/detergents – equipment cleaning
- Gasoline – used for maintenance vehicles

Hazardous materials and wastes would be managed, used, handled, stored, and transported in accordance with applicable local and State regulations. All hazardous wastes would be maintained at quantities below the threshold requiring a Hazardous Material Management Program (HMMP) (one 55-gallon drum). Should any on-site storage of hazardous materials exceed one 55-gallon drum, an HMMP would be prepared and implemented.

Spill Prevention and Containment

During construction, above-ground storage tanks would be used as temporary fueling stations. Temporary tanks would have double containment. Less than 55 gallons of hazardous materials would be stored on-site during operations. Spill prevention and containment for construction and operation of the proposed project would adhere to the Environmental Protection Agency's (EPA) guidance on Spill Prevention Control and Countermeasures (SPCC).

Wastewater and Septic System

A standard on-site septic tank and leach field may be used at the O&M building(s) to dispose of sanitary wastewater, designed to meet operation and maintenance guidelines required by Kern County laws, ordinances, regulations, and standards. If no O&M buildings are installed on-site, no septic systems would be installed.

Inert Solids

Inert solid wastes resulting from construction activities may include recyclable items such as paper, cardboard, solid concrete and block, metals, wire, glass, type 1-4 plastics, drywall, wood, and lubricating oils. Non-recyclable items include insulation, other plastics, food waste, vinyl flooring and base, carpeting, paint containers, packing materials, and other construction wastes. A Construction Waste Management Plan would be prepared for review by the County. Consistent with local regulations and the California Green Building Code, the Plan would provide for the diversion of a minimum of 50 percent of construction waste



from landfills.

Chemical storage tanks (if any) would be designed and installed to meet applicable local and state regulations. Any wastes classified as hazardous such as solvents, degreasing agents, concrete curing compounds, paints, adhesives, chemicals, or chemical containers would be stored (in an approved storage facility/shed/structure) and disposed of as required by local and state regulations. Hazardous wastes exceeding threshold quantities (one 55-gallon drum) are not expected.

Health and Safety

Safety precautions and emergency systems would be implemented as part of the design and construction of the proposed project to ensure safe and reliable operation. Administrative controls will include classroom and hands-on training in O&M procedures, general safety items, and a planned maintenance program. These will work with the system design and monitoring features to enhance safety and reliability.

1.5. Applicant Provided Project Objectives

The CEQA Guidelines Section 1512(b) requires that a project description include 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 applicant objectives for the proposed project:

- Establish a large-scale solar PV and battery energy storage facility in a manner that maximizes the production of reliable electricity in an economically feasible and commercially financeable manner that can be marketed to different power utility companies.
- Provide energy to the electric grid to meet increasing demand for in-state generation.
- Provide revenues that help support public services within Kern County.
- Assist the County in continuing the goal in the Energy Element of its General Plan to develop large-scale solar energy development as a major energy source in the County.
- Promote economic development and bring regionally defined living-wage jobs to the region throughout the life of the proposed project.
- Support California's efforts to reduce greenhouse gas (GHG) emissions consistent with the timeline established in 2006 under California Assembly Bill 32, the Global Warming Solutions Act of 2006, which requires the California Air Resources Board to reduce statewide emissions of GHGs to at least the 1990 emissions level by 2020. This timeline was updated in 2016 under SB 32, which requires that statewide GHG emissions are reduced to at least 40 percent below the statewide GHG emissions limit by 2030.
- Support California's aggressive RPS Program consistent with the timeline established by SB 100 (De León, also known as the "California Renewables Portfolio Standard Program: emissions of greenhouse gases") as approved by the California Legislature and signed by Governor Brown in September 2018, which established a 50 percent RPS goal by December 31, 2026, 60 percent by December 31, 2030, and a goal that 100 percent of electric retail sales to end-use customers be provided by renewable energy and zero-carbon resources by 2045.



- Utilize historically farmed lands that would otherwise be fallowed due to significant water shortages, thereby providing local farmers an alternative to the economic losses associated with limiting their production.

1.6. Proposed Discretionary Actions/Required Approvals

The Kern County Planning and Natural Resources Department as the CEQA Lead Agency (per CEQA Guidelines Section 15052) has discretionary responsibility for the Buttonbush solar, by 29SC 8me, LLC. To implement this project, the project proponent may need to obtain the following discretionary and ministerial permits/approvals, but not be limited to:

FEDERAL

Army Corps of Engineers

- Section 404 Permit (if required)

STATE

California Department of Fish and Wildlife

- Section 1600 et seq. permits
- Section 2081 Permit

California Department of Transportation

- Right-of-Way Encroachment Permit (if required)
- Permit for Transport of Oversized Loads (if required)

Central Valley Regional Water Quality Control Board (RWQCB)

- National Pollution Discharge Elimination System (NPDES) Construction General Permit
- General Construction Stormwater Permit (Preparation of a SWPPP)

LOCAL

County of Kern

- Certification of Final Environmental Impact Report
- Adoption of 15091 Findings of Fact and 15093 Statement of Overriding Considerations
- Adoption of the proposed Mitigation Monitoring and Reporting Program
- Approval of Amendments to the Kern County General Plan
- Approval of Amendments to the Buttonwillow Community Specific Plan
- Approval of Conditional Use Permits



- Approval of Changes in Zoning Classification
- Approval of Williamson Act Cancellations
- Approval of Kern County Grading and Building Permits
- Approval of Kern County Encroachment Permits
- Approval of Kern County Franchise Agreements
- Approval of Kern County Easements and Licenses
- Approval of Kern County Fire Safety Plan

San Joaquin Valley Air Pollution Control District

- Authority to Construct (ATC)
- Construction Fugitive Dust Control Plan
- Permit to Operate (PTO)
- Other permits as required

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



Figure 1. Vicinity

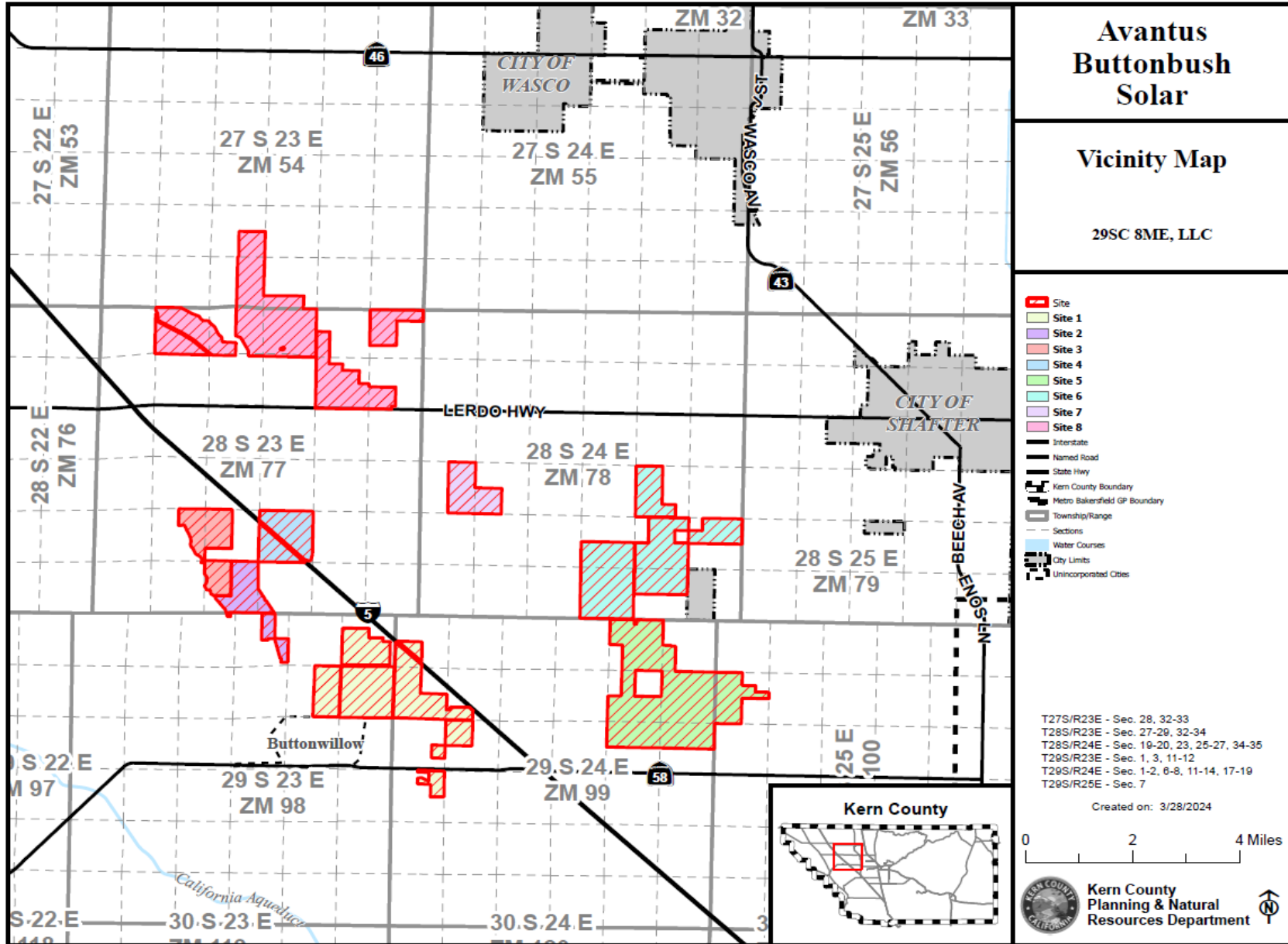


Figure 2.a. Aerial

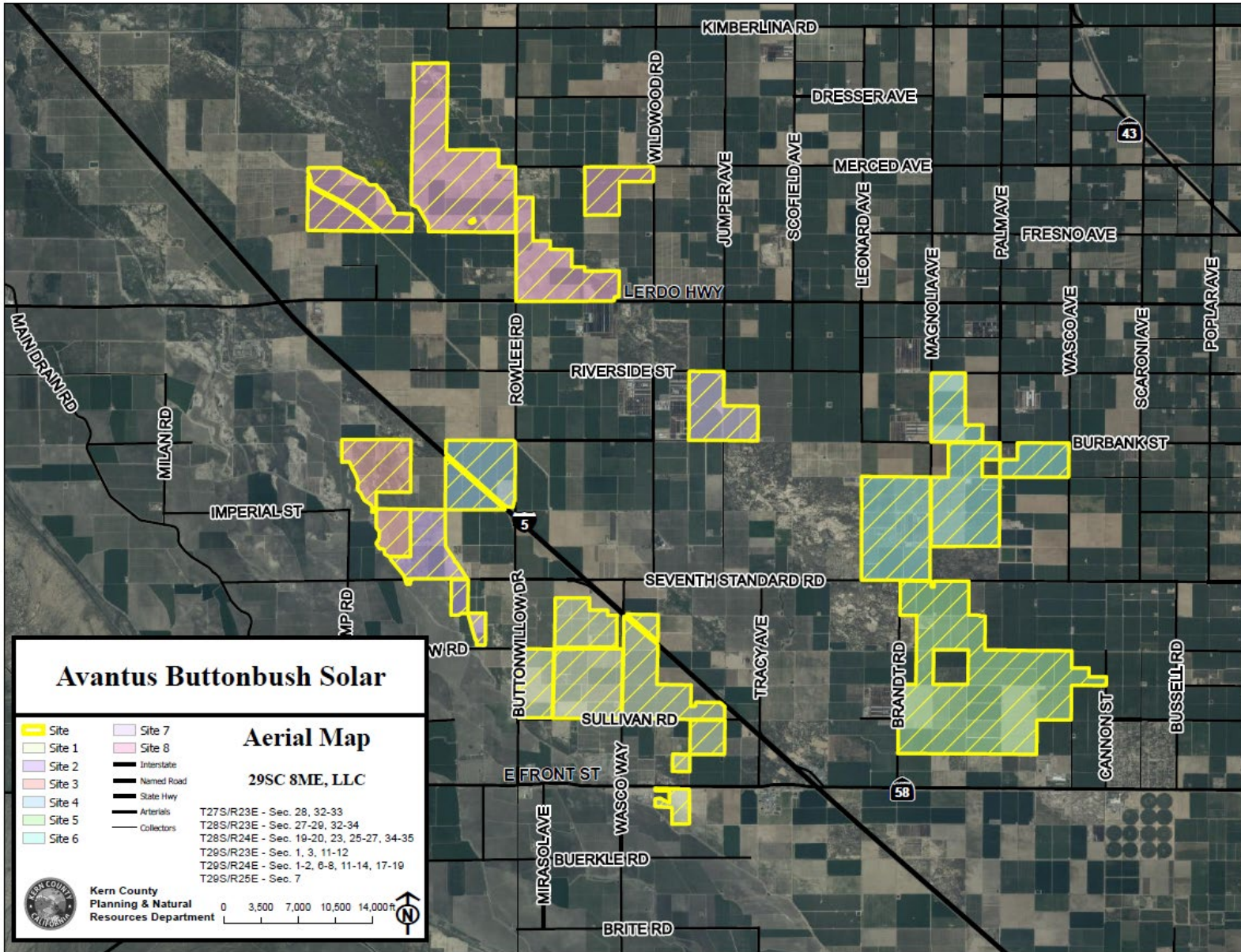


Figure 2.b. Aerial

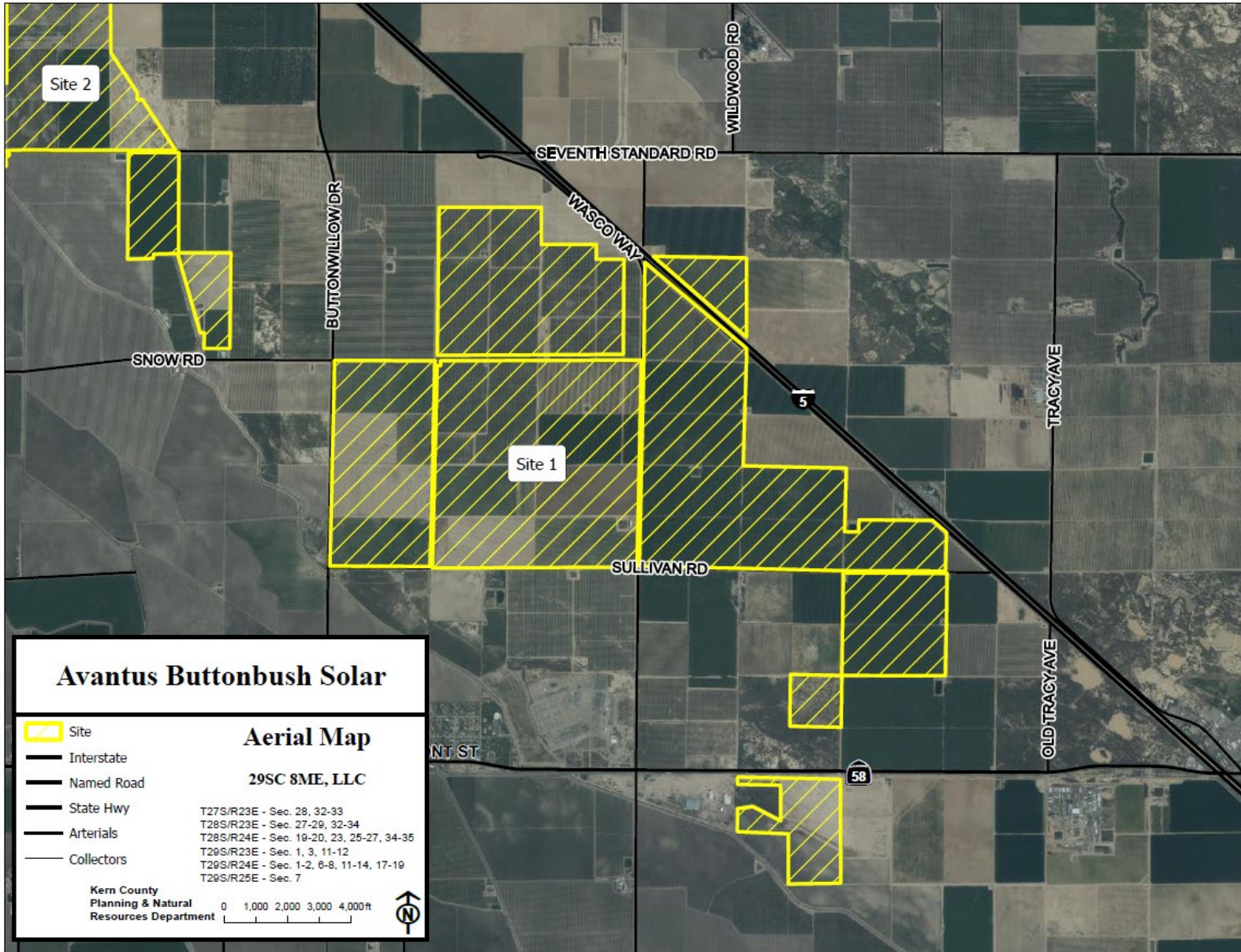


Figure 2.c. Aerial

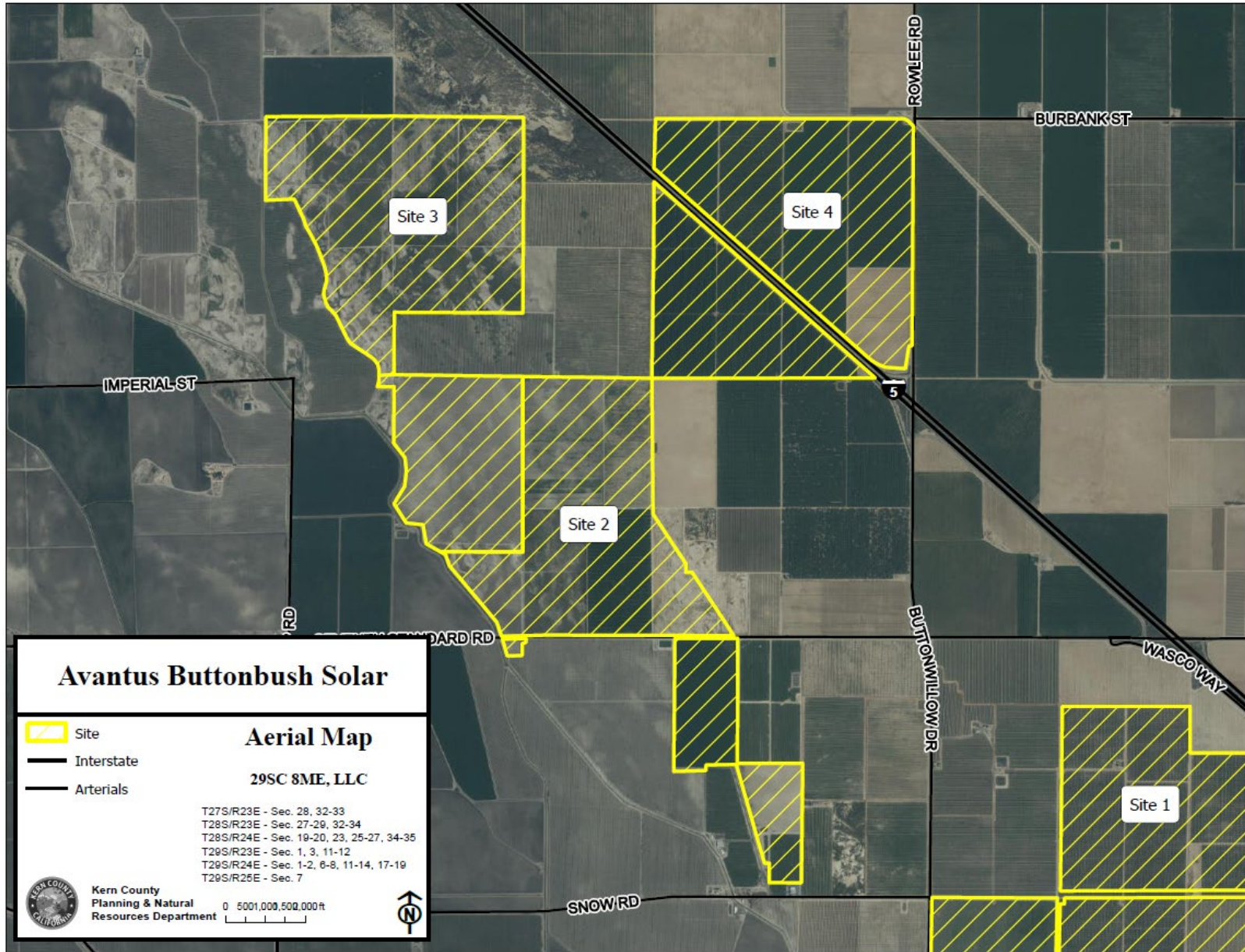


Figure 2.d. Aerial

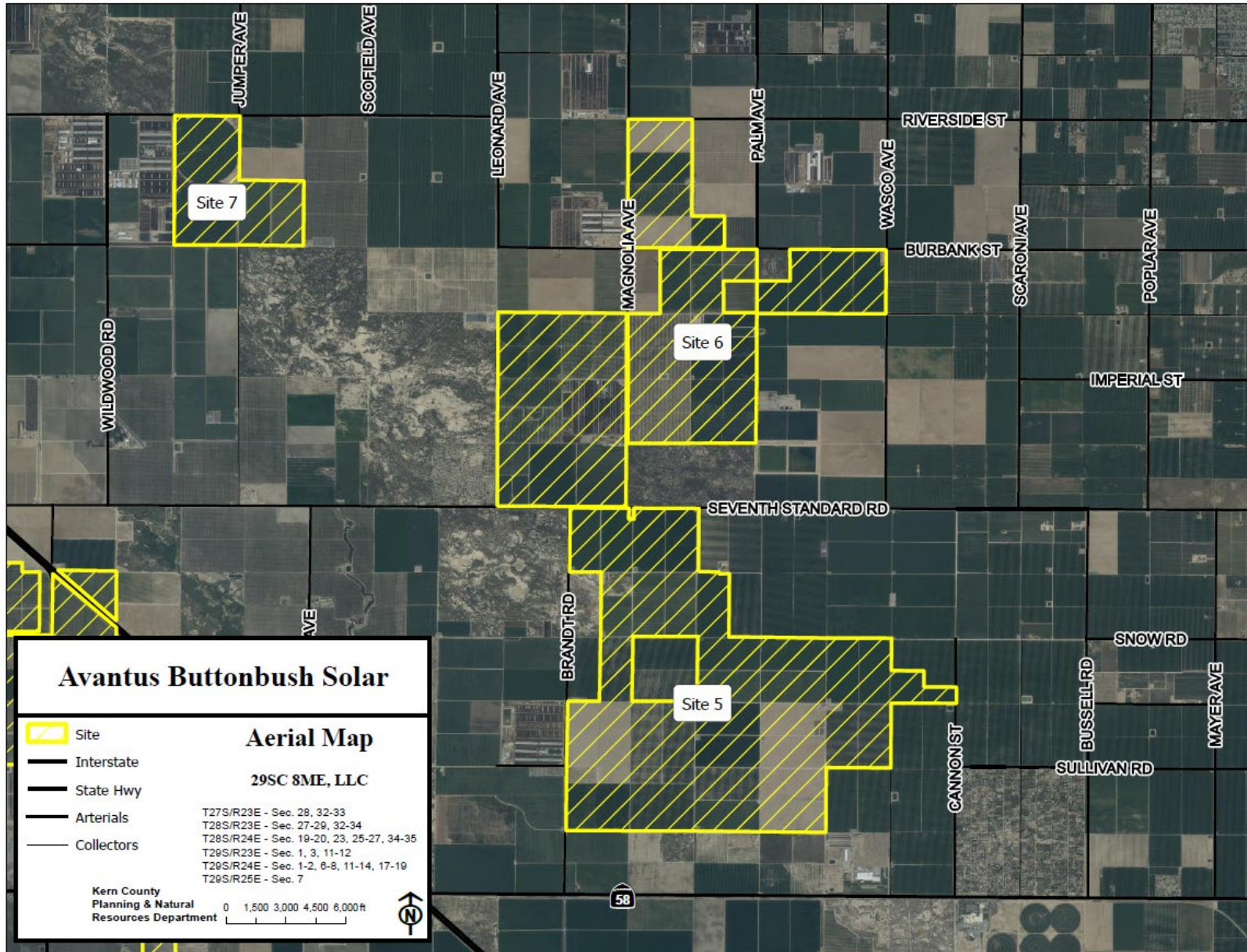


Figure 2.e. Aerial

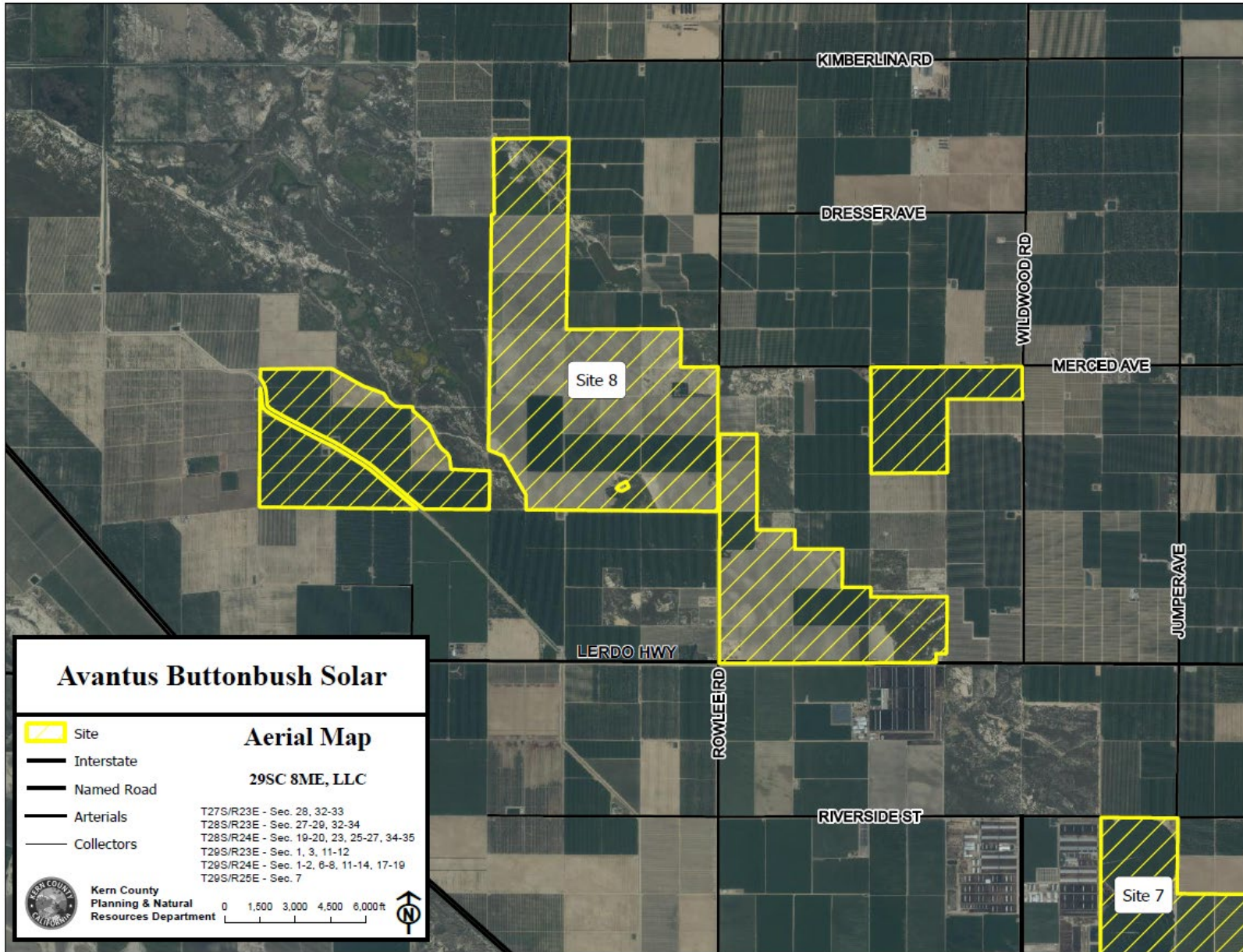


Figure 3.a. Parcelization

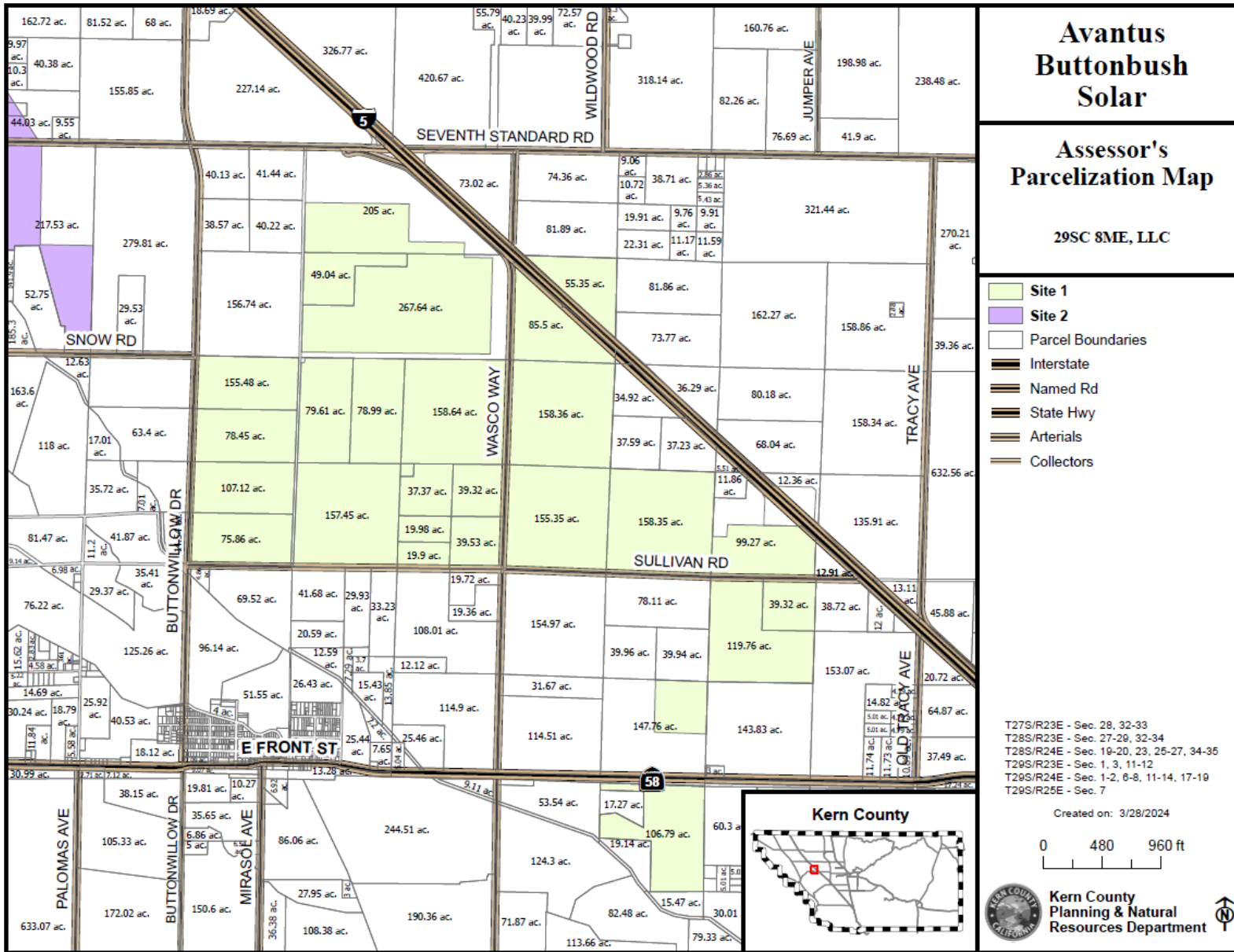


Figure 3.b. Parcelization

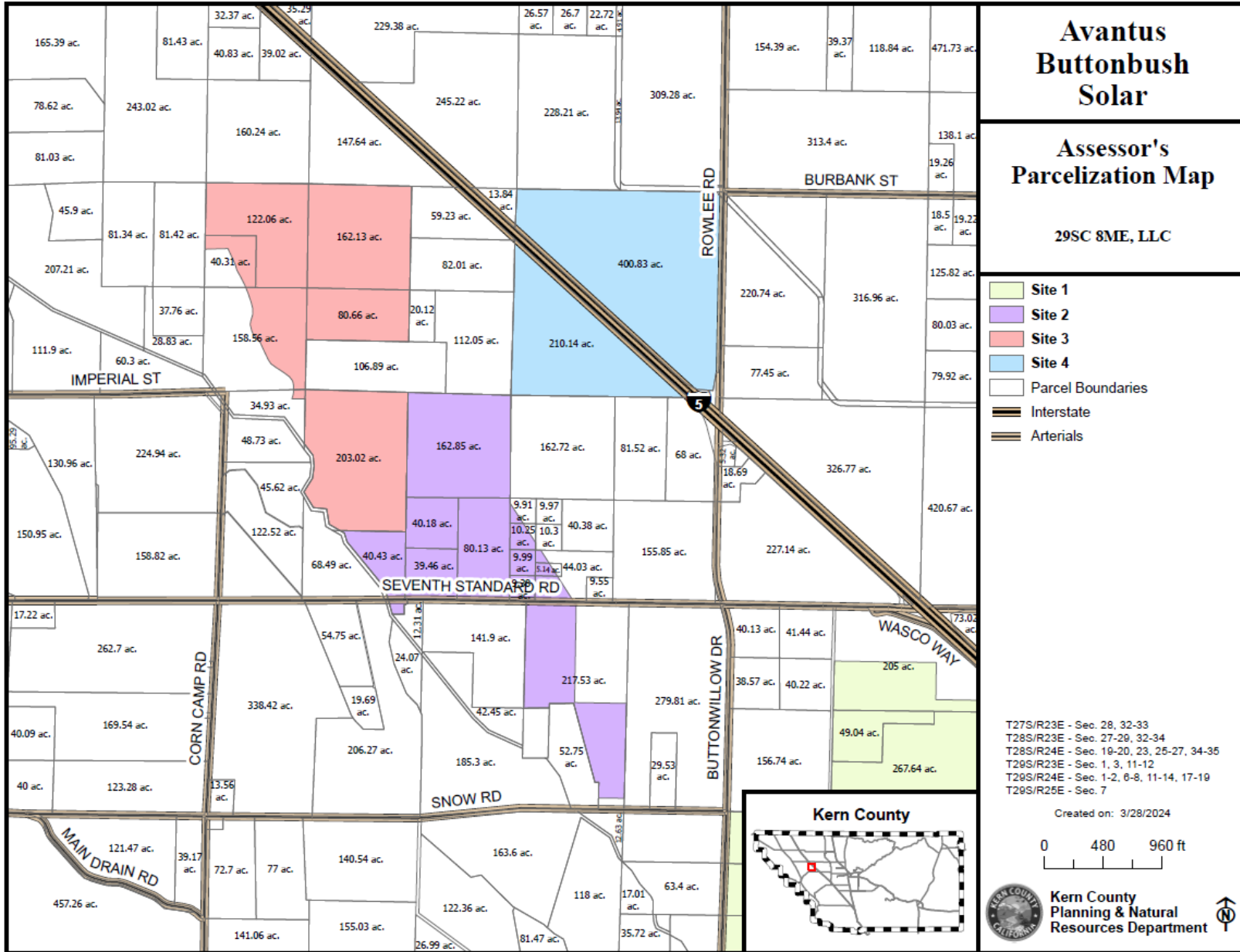


Figure 3.c. Parcelization

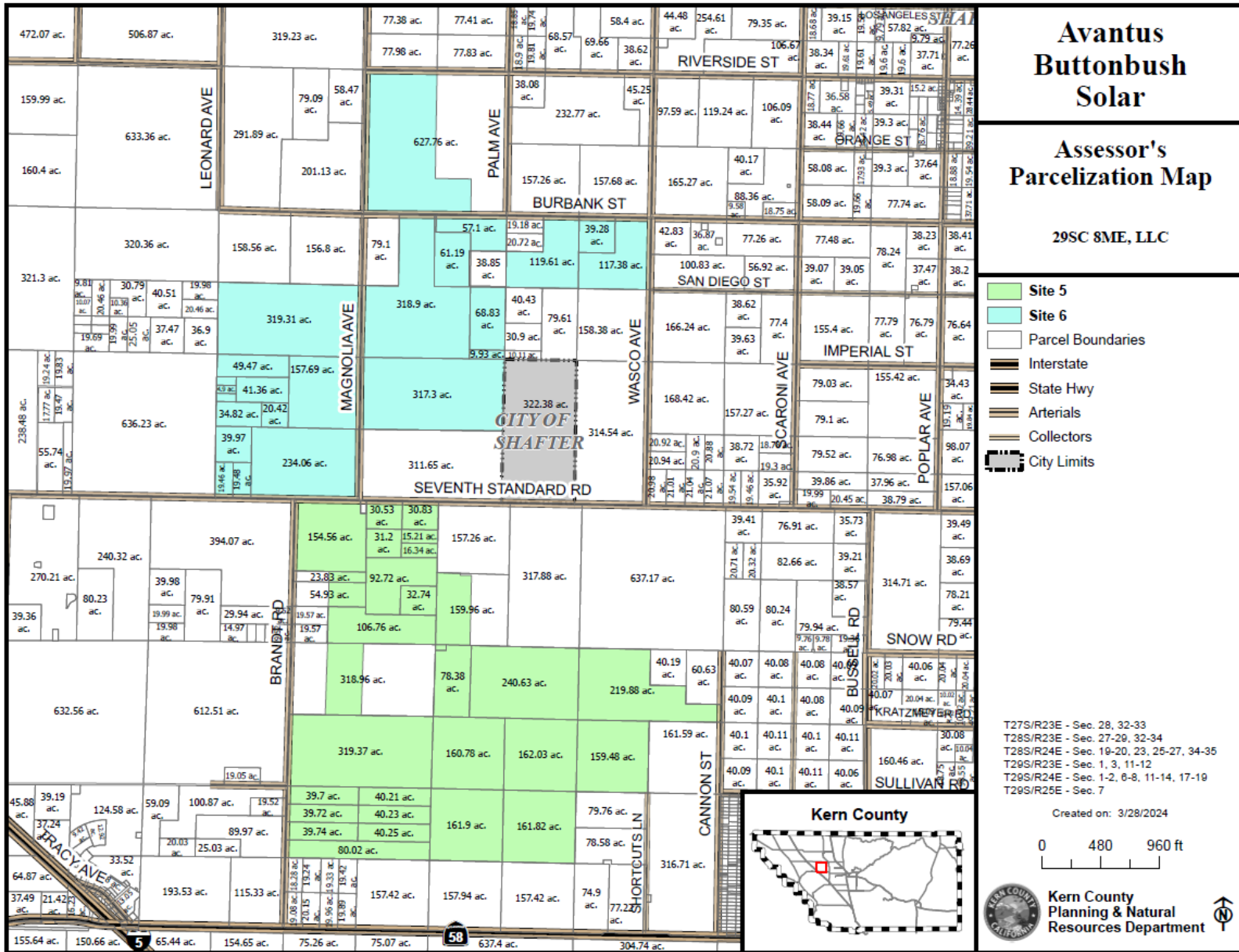


Figure 3.d. Parcelization

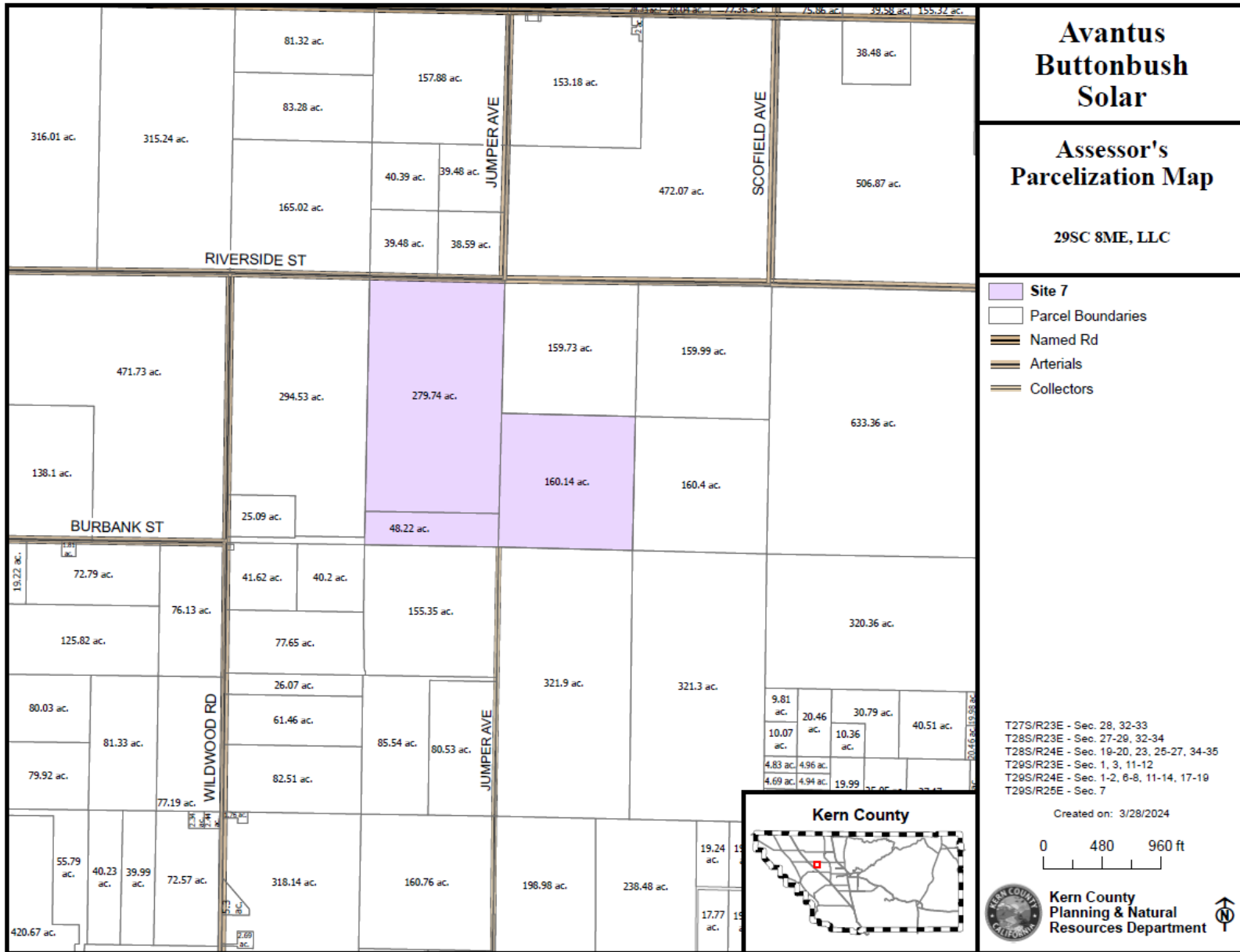


Figure 3.c. Parcelization

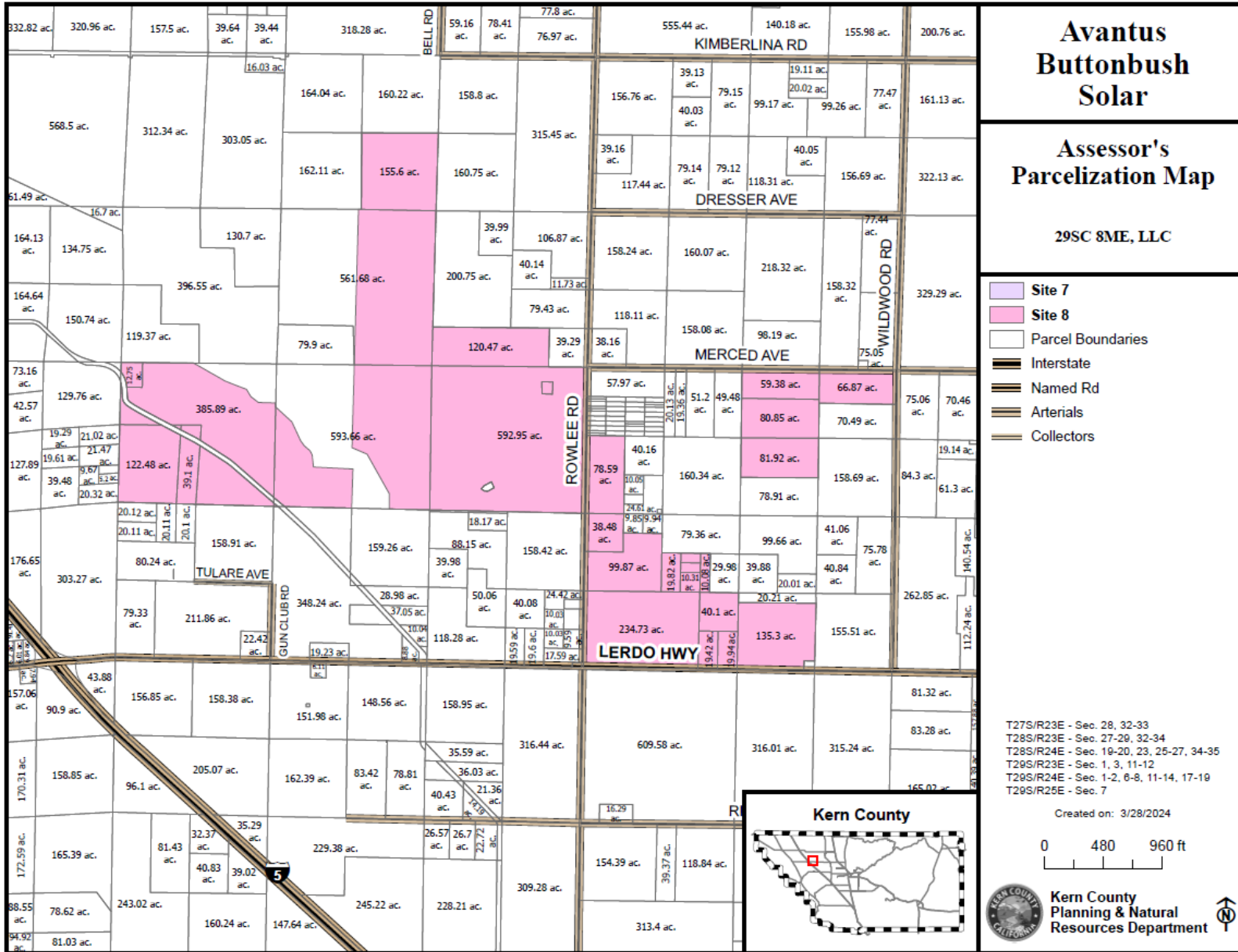


Figure 4.a. Existing General Plan Designation

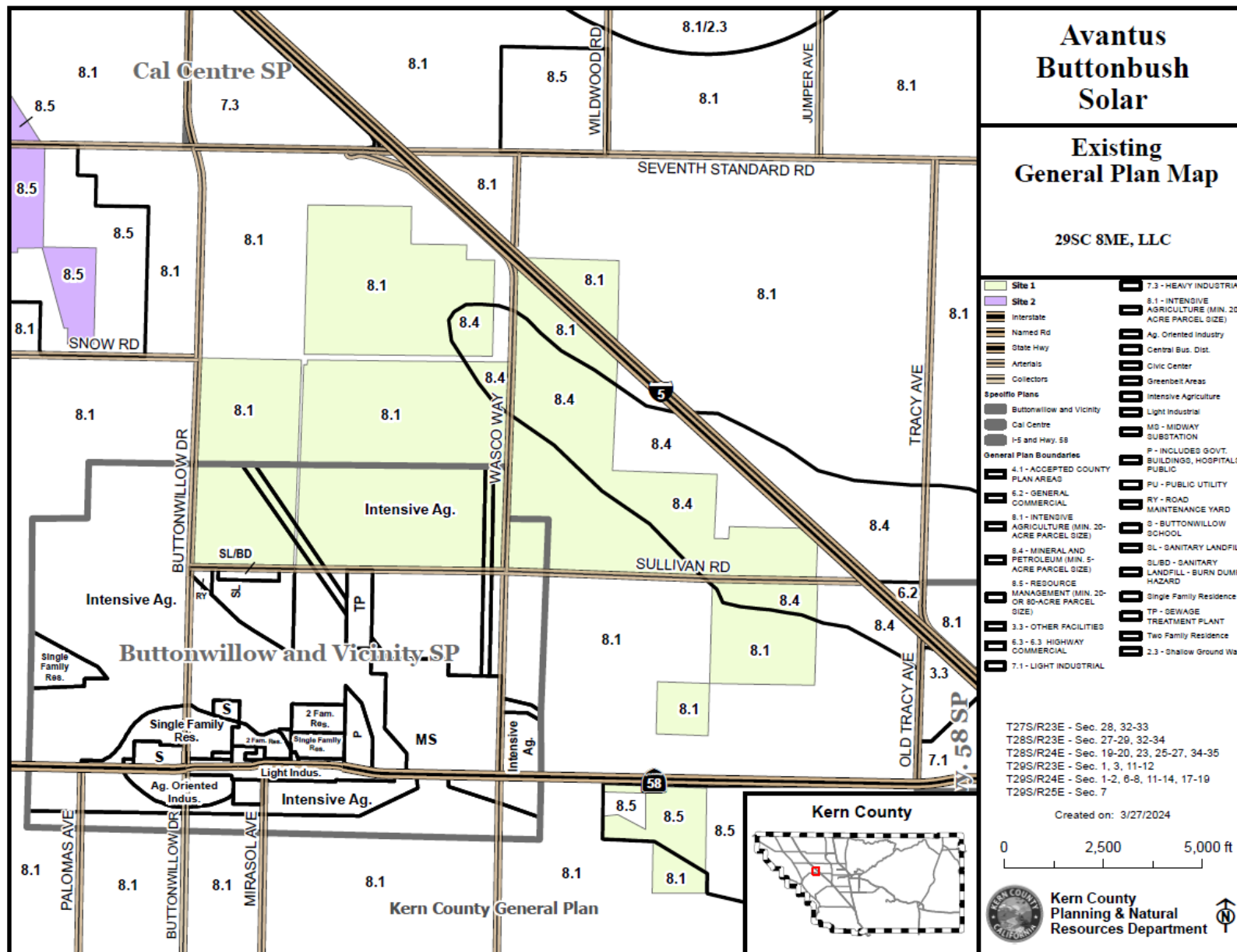


Figure 4.b. Existing General Plan Designation

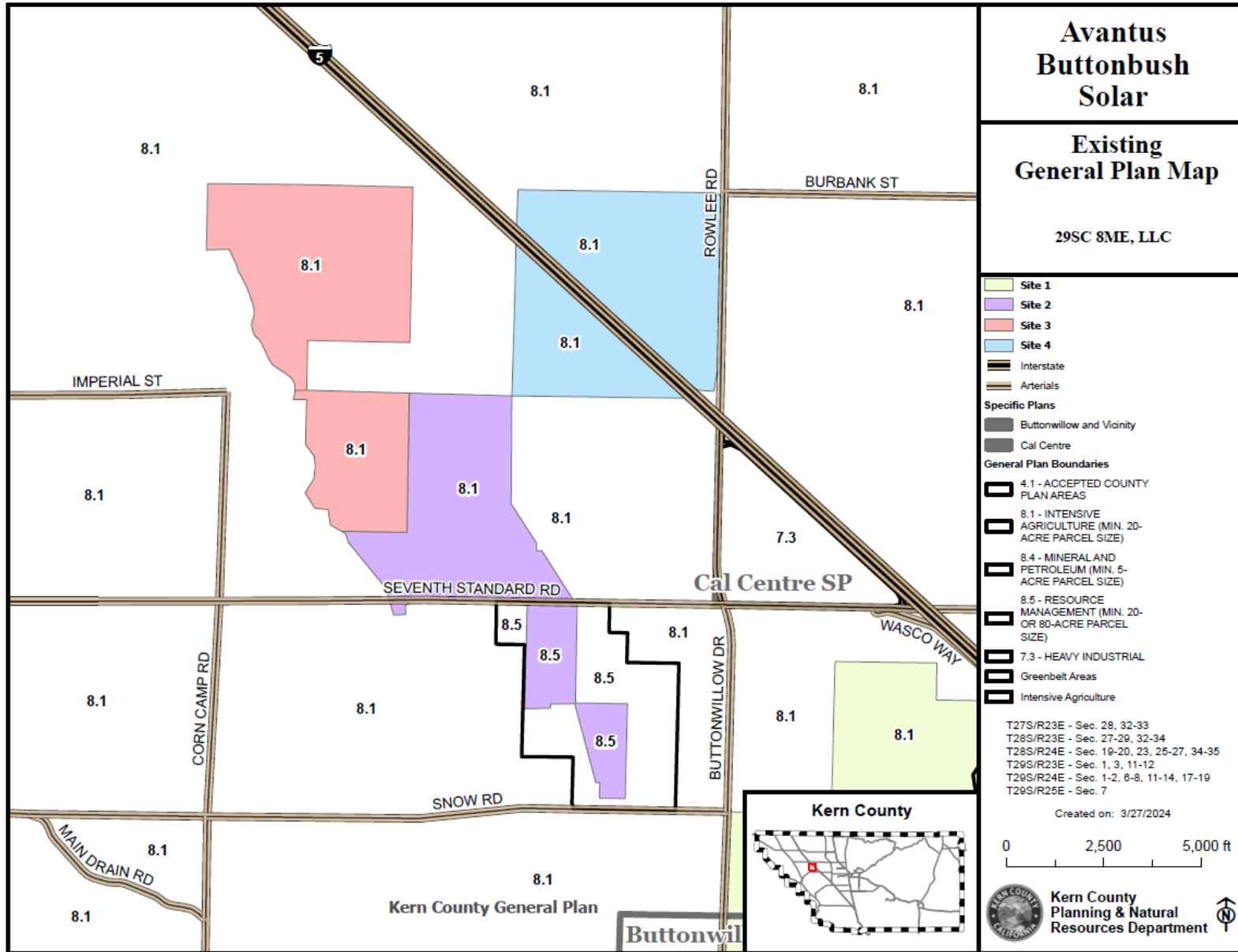


Figure 4.c. Existing General Plan Designation

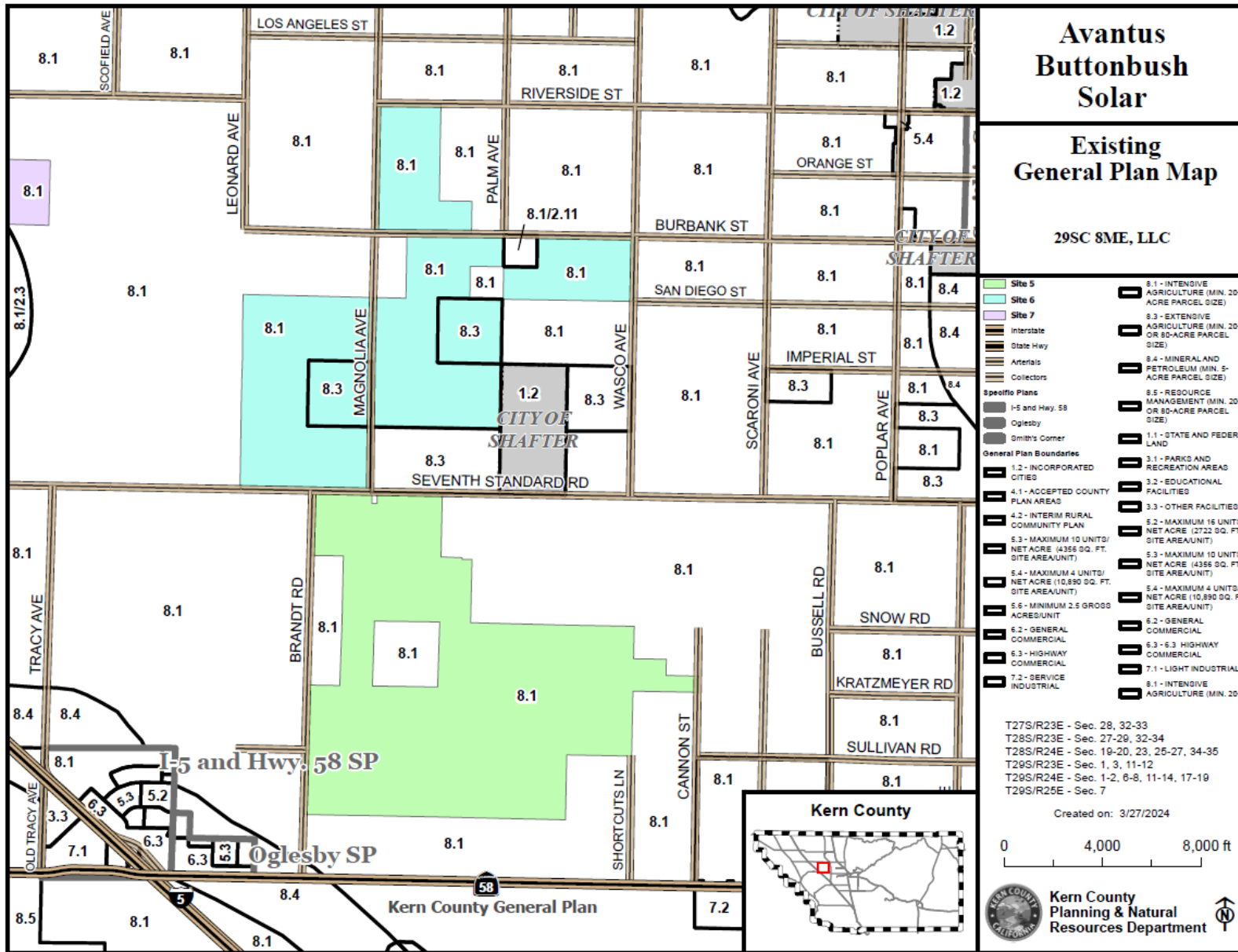


Figure 4.d. Existing General Plan Designation

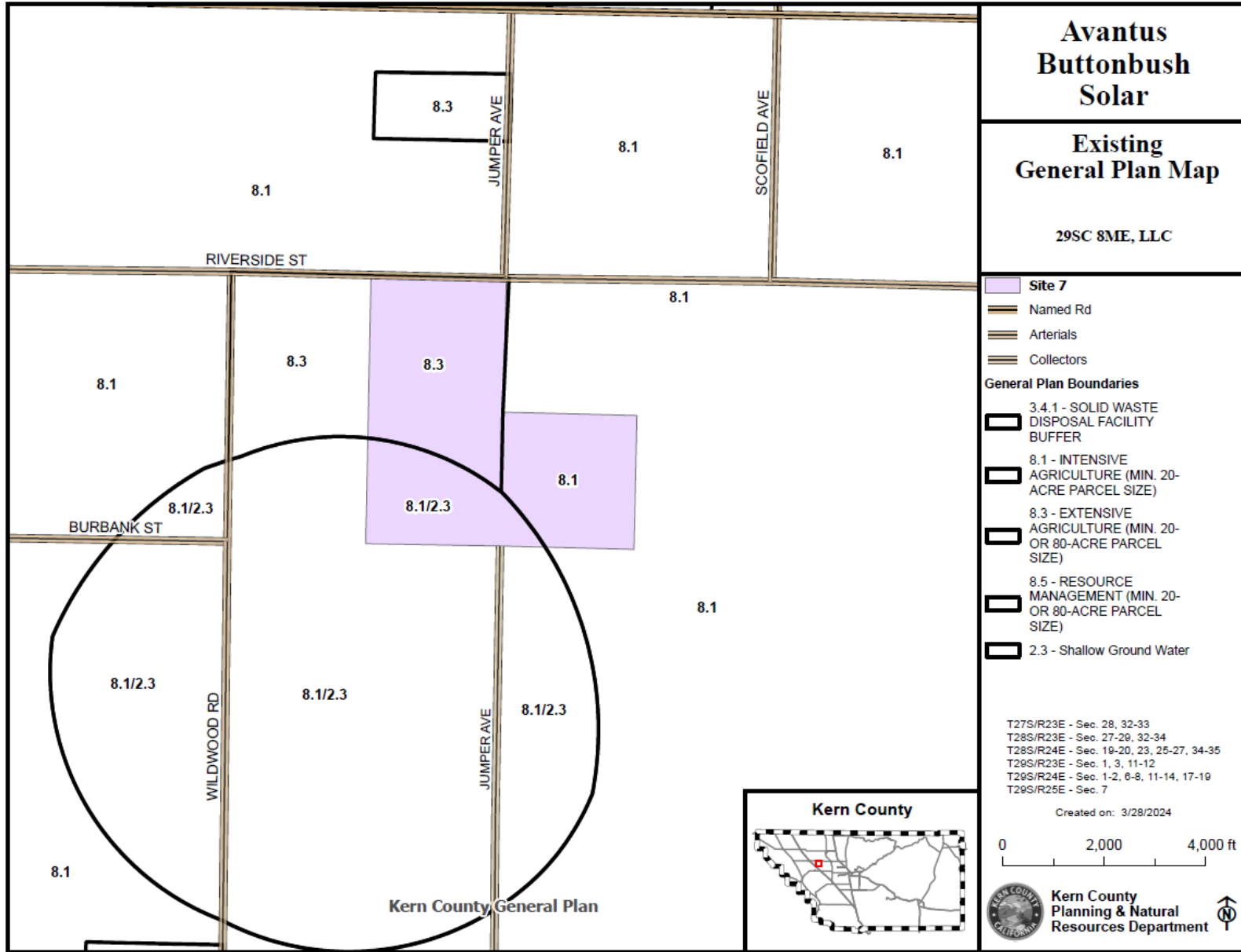


Figure 4.e. Existing General Plan Designation

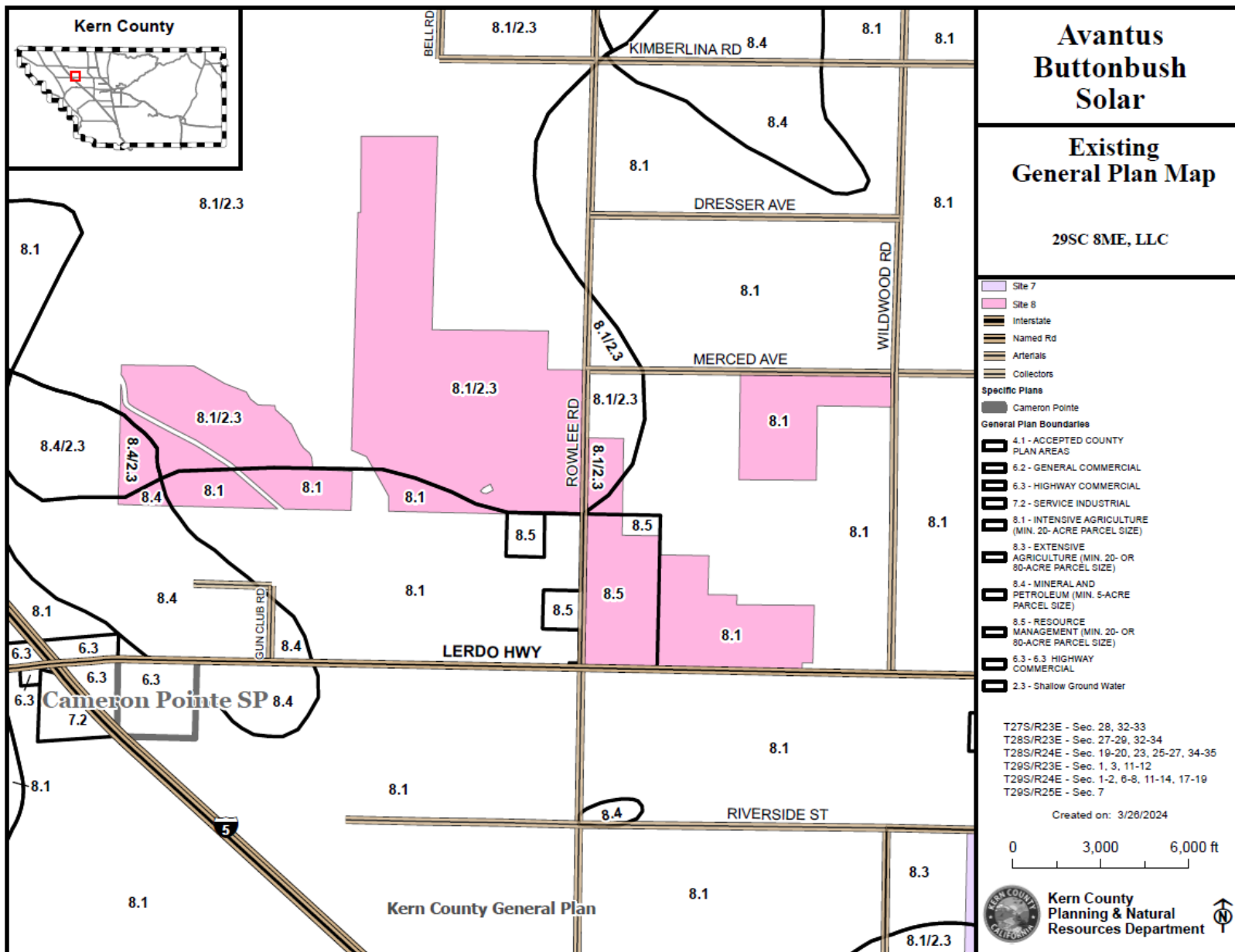


Figure 5.a. Existing Zoning

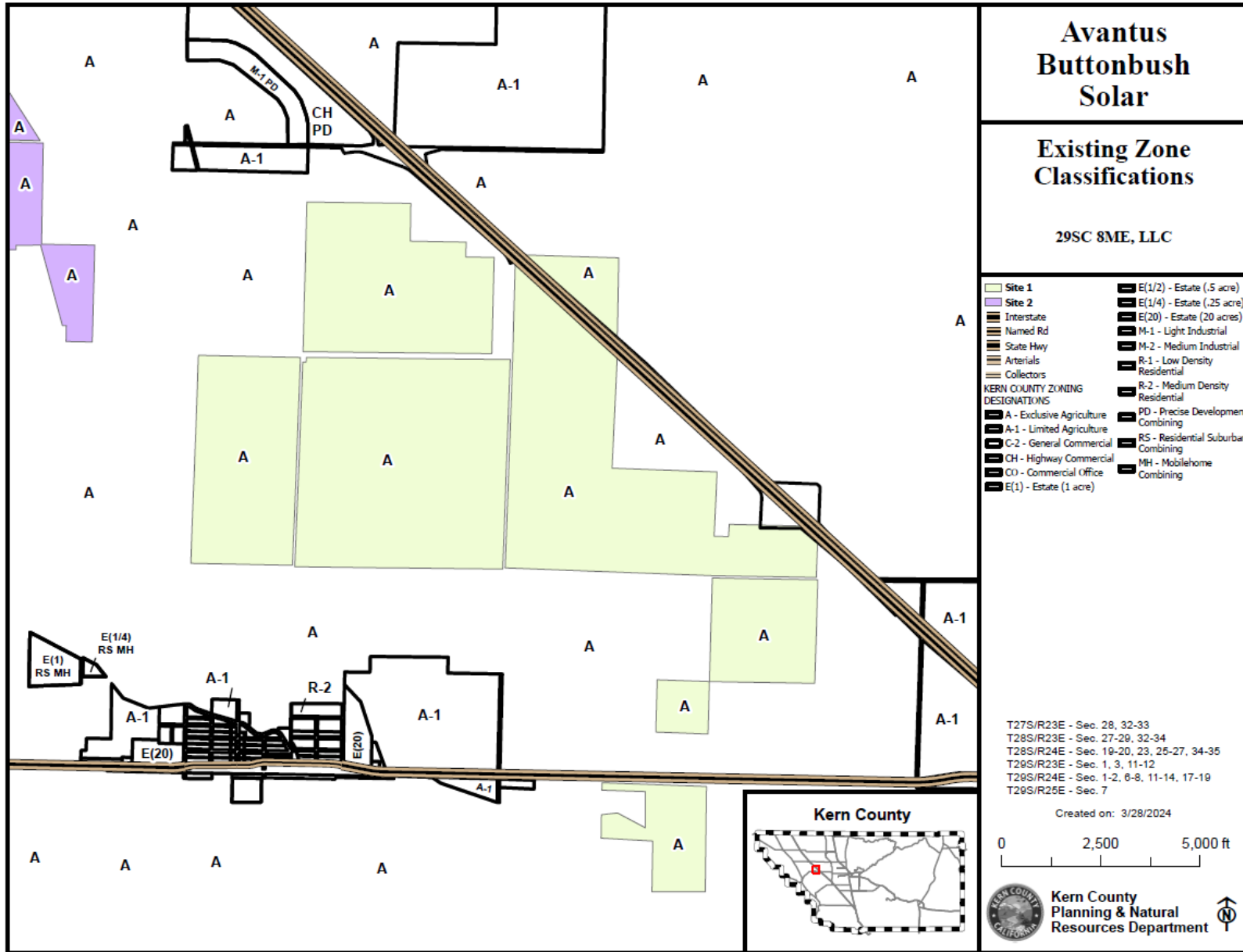


Figure 5.b. Existing Zoning

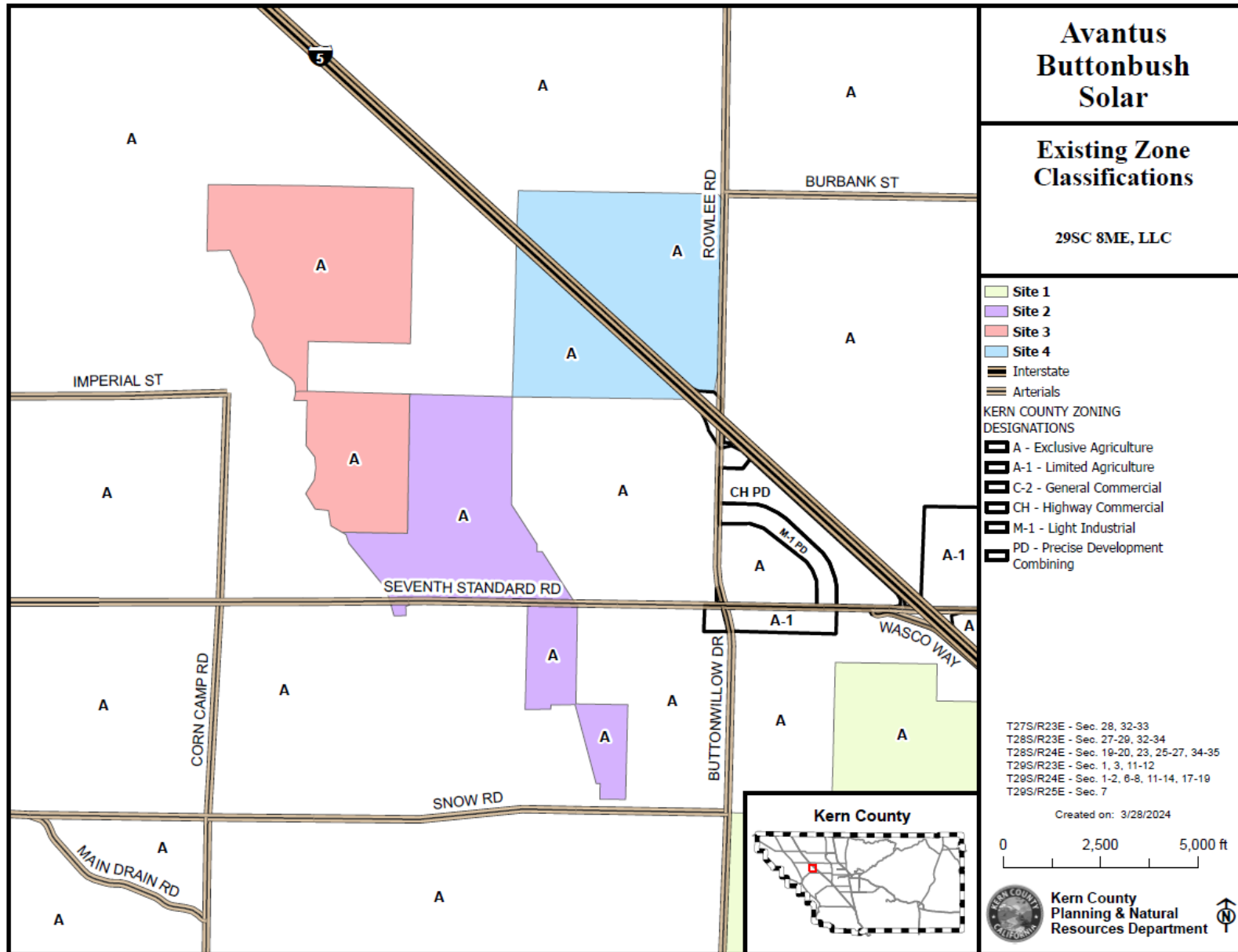


Figure 5.c. Existing Zoning

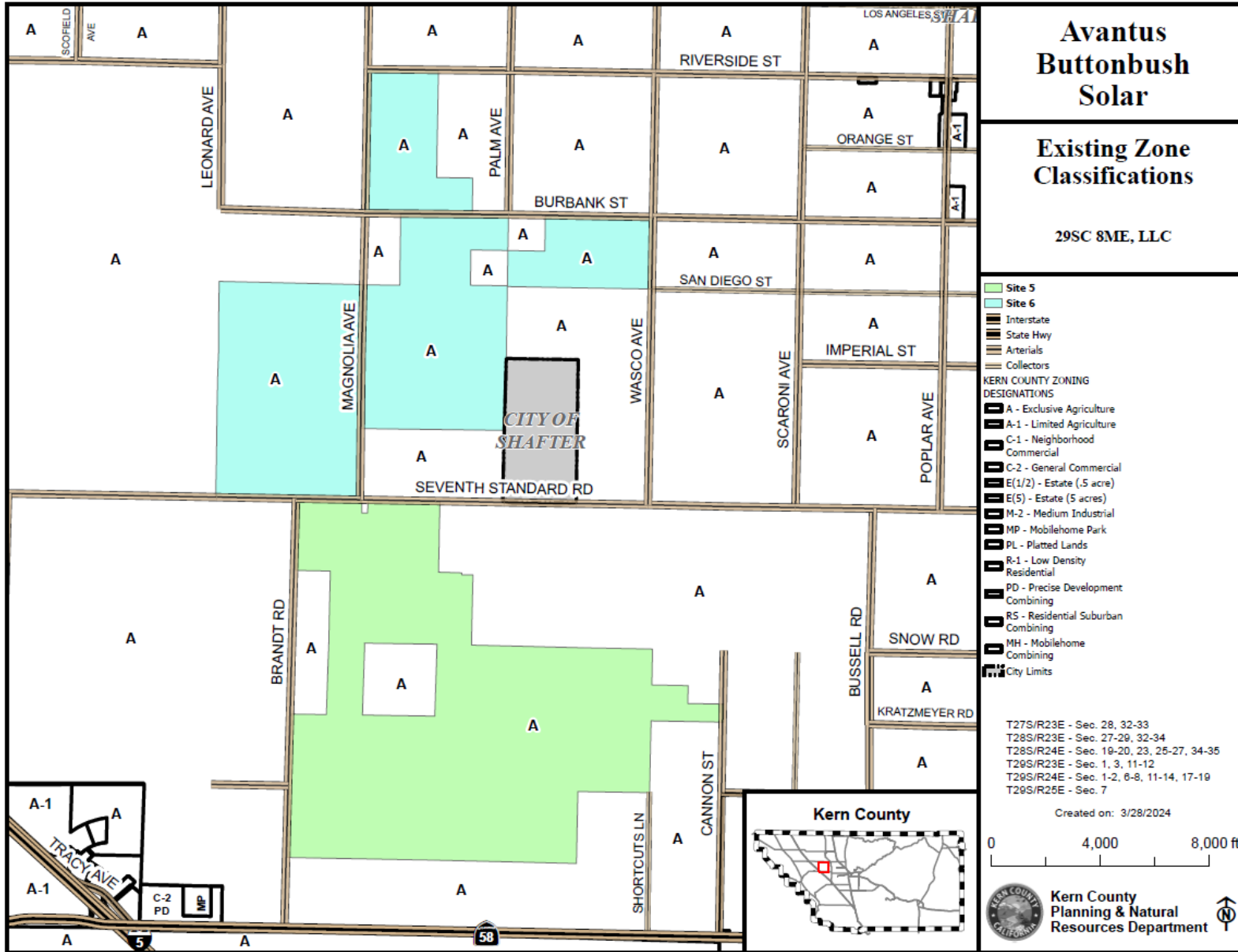


Figure 5.d. Existing Zoning

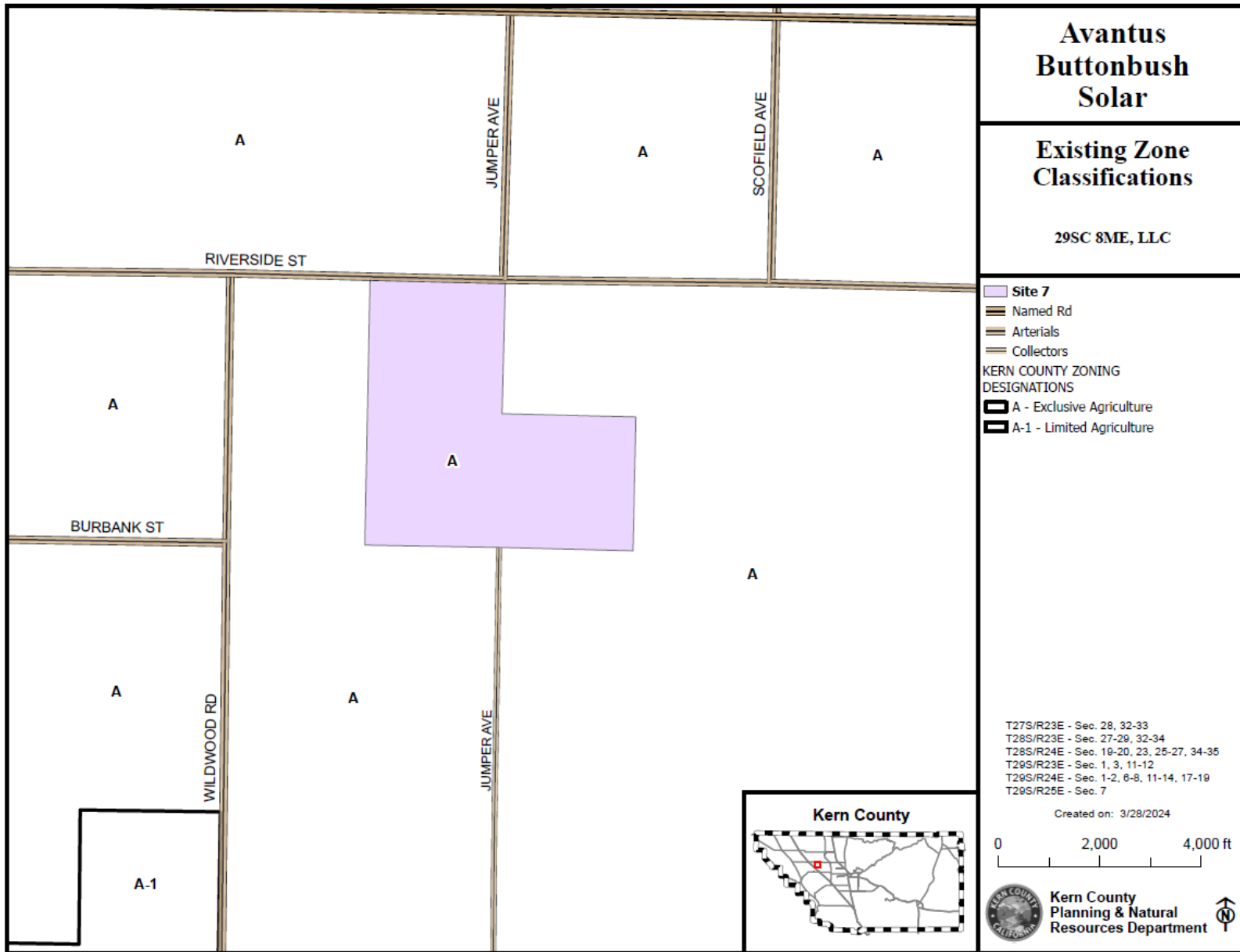


Figure 5.e. Existing Zoning

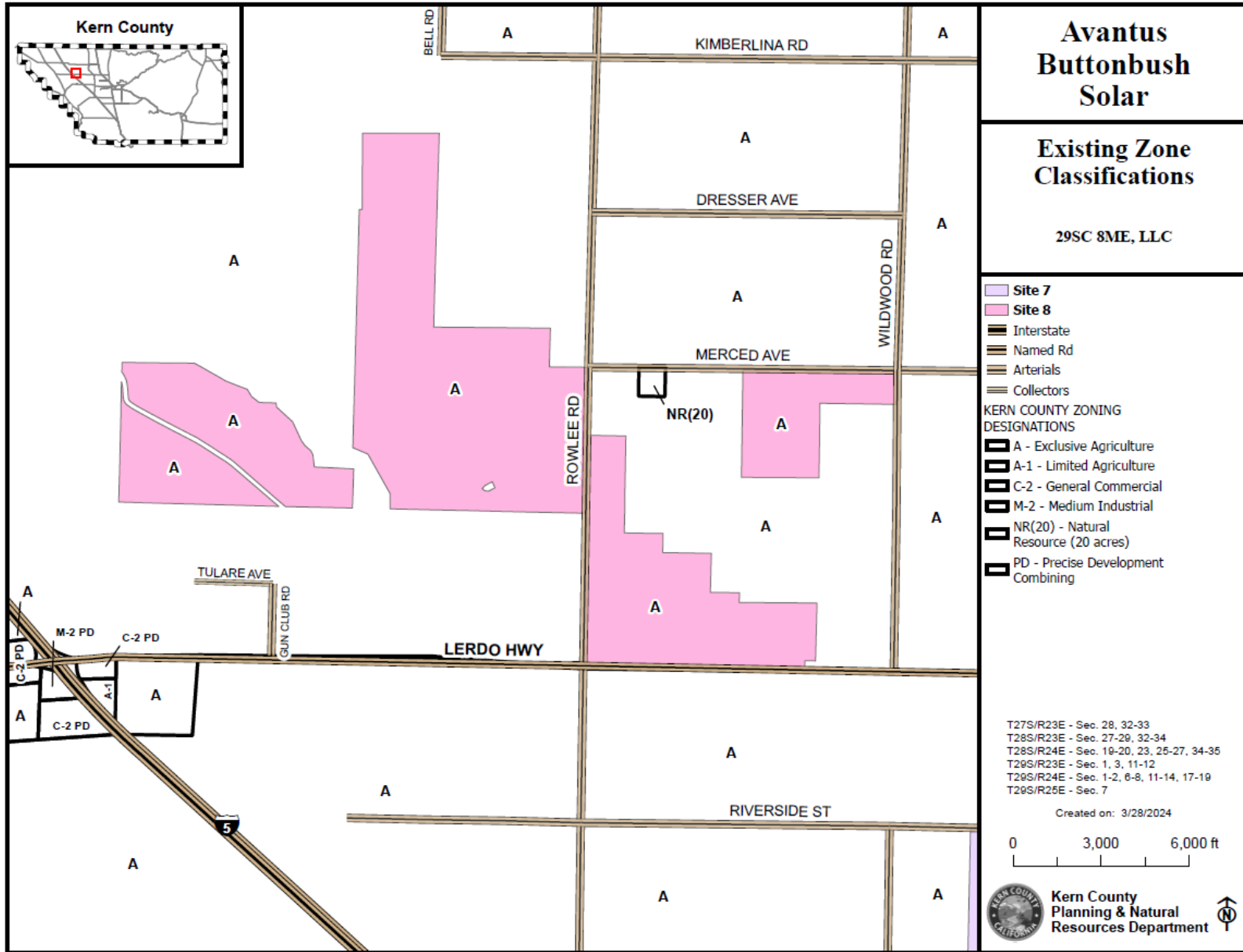


Figure 6.a. Proposed Circulation Amendment

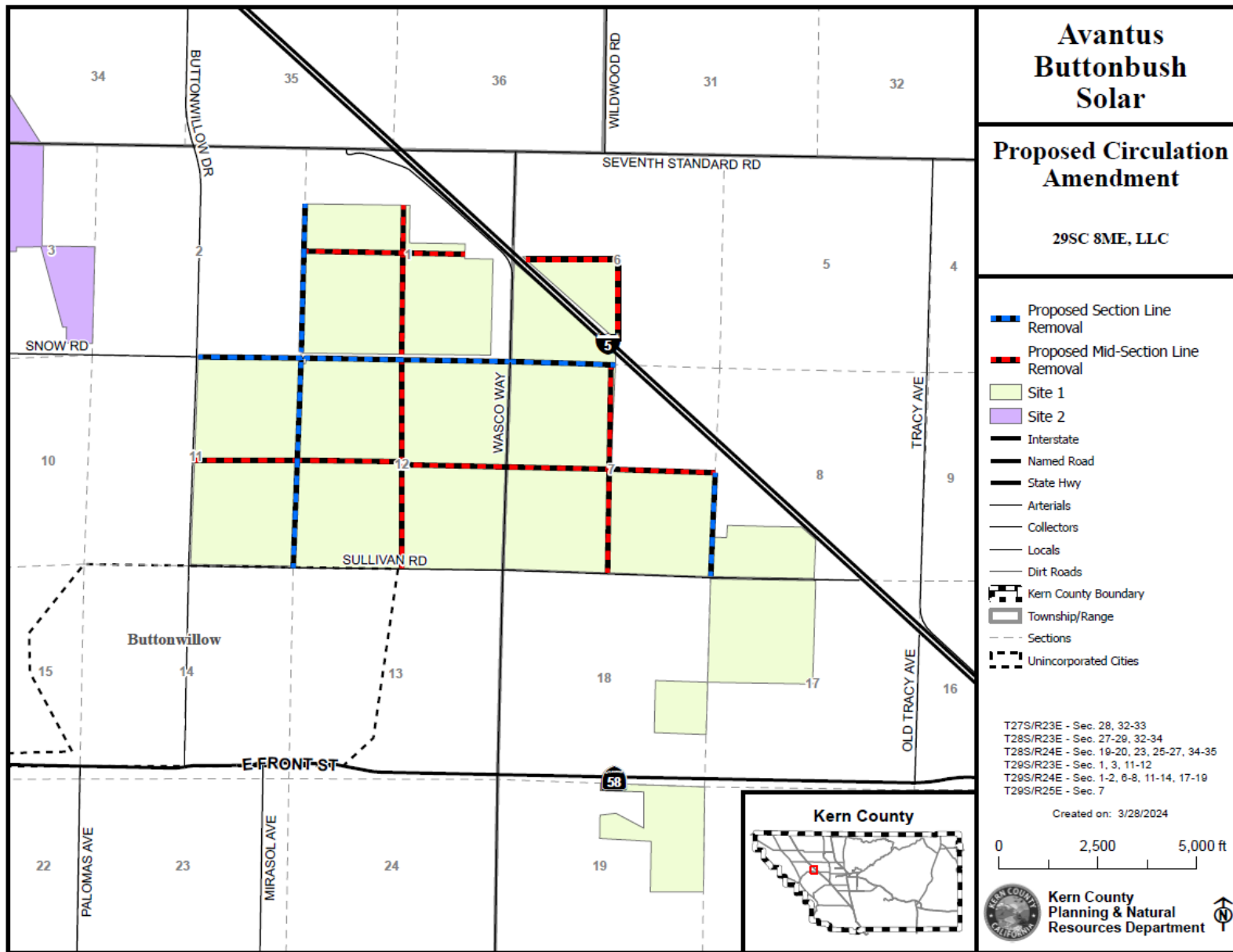


Figure 6.b. Proposed Circulation Amendment

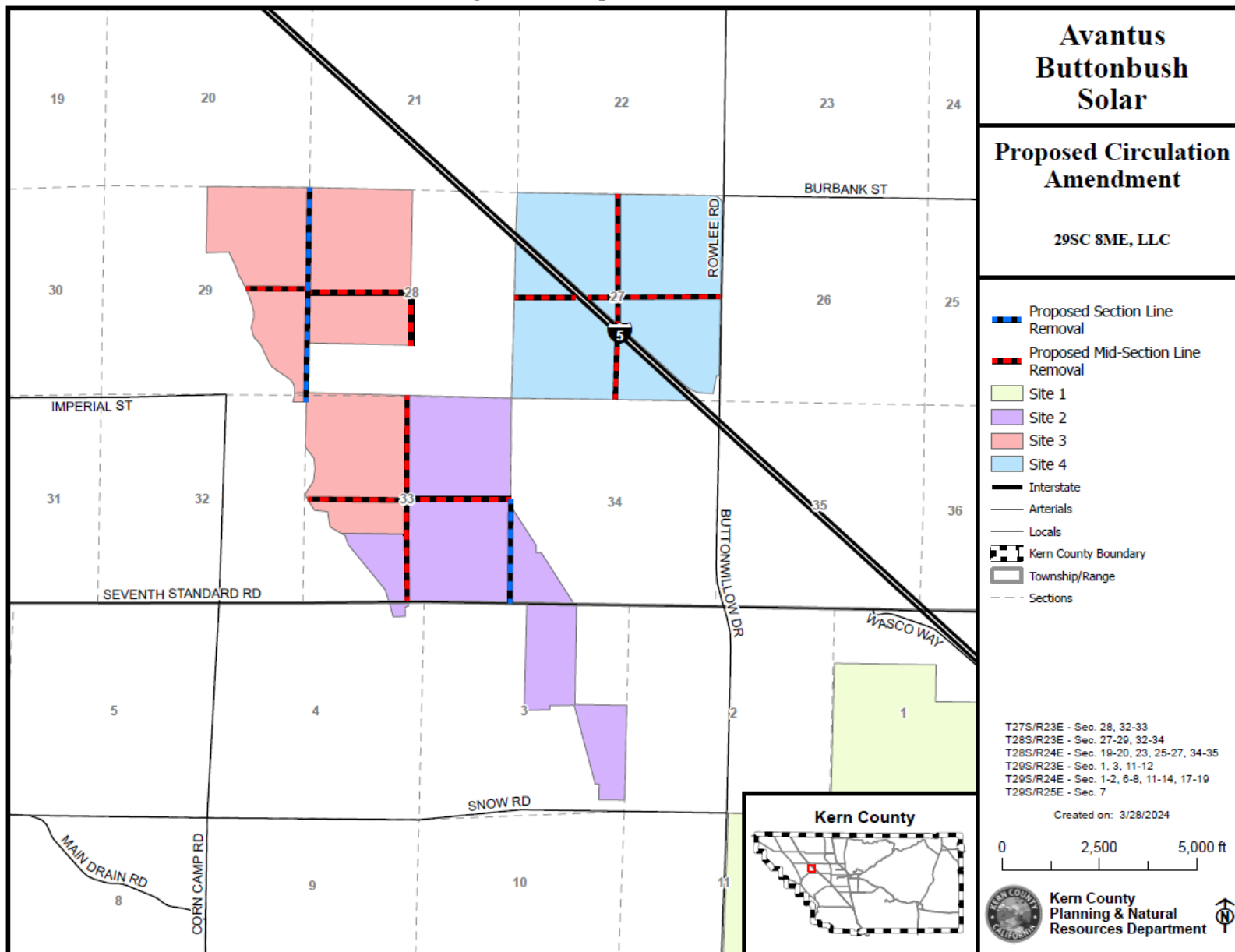


Figure 6.c. Proposed Circulation Amendment

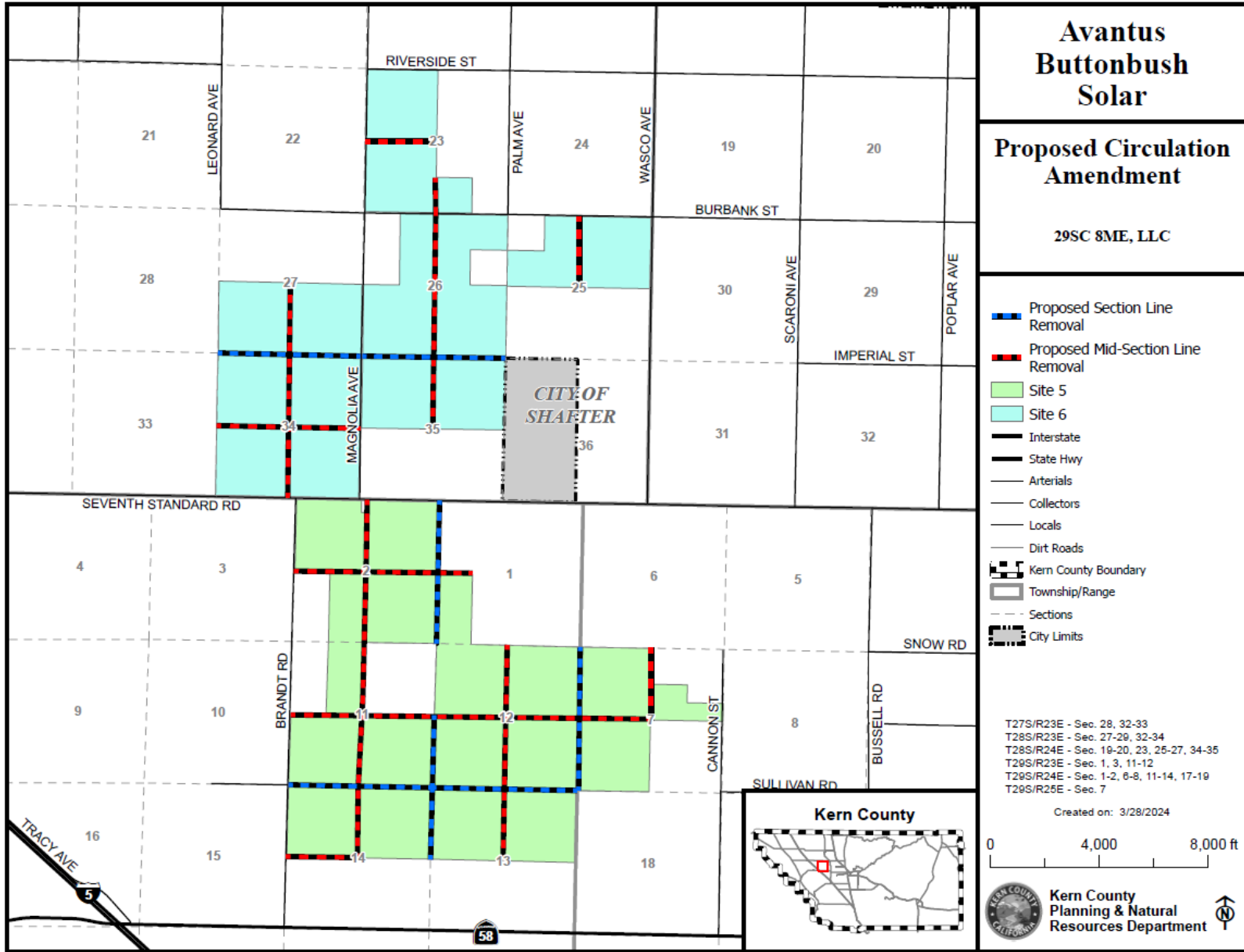


Figure 6.d. Proposed Circulation Amendment

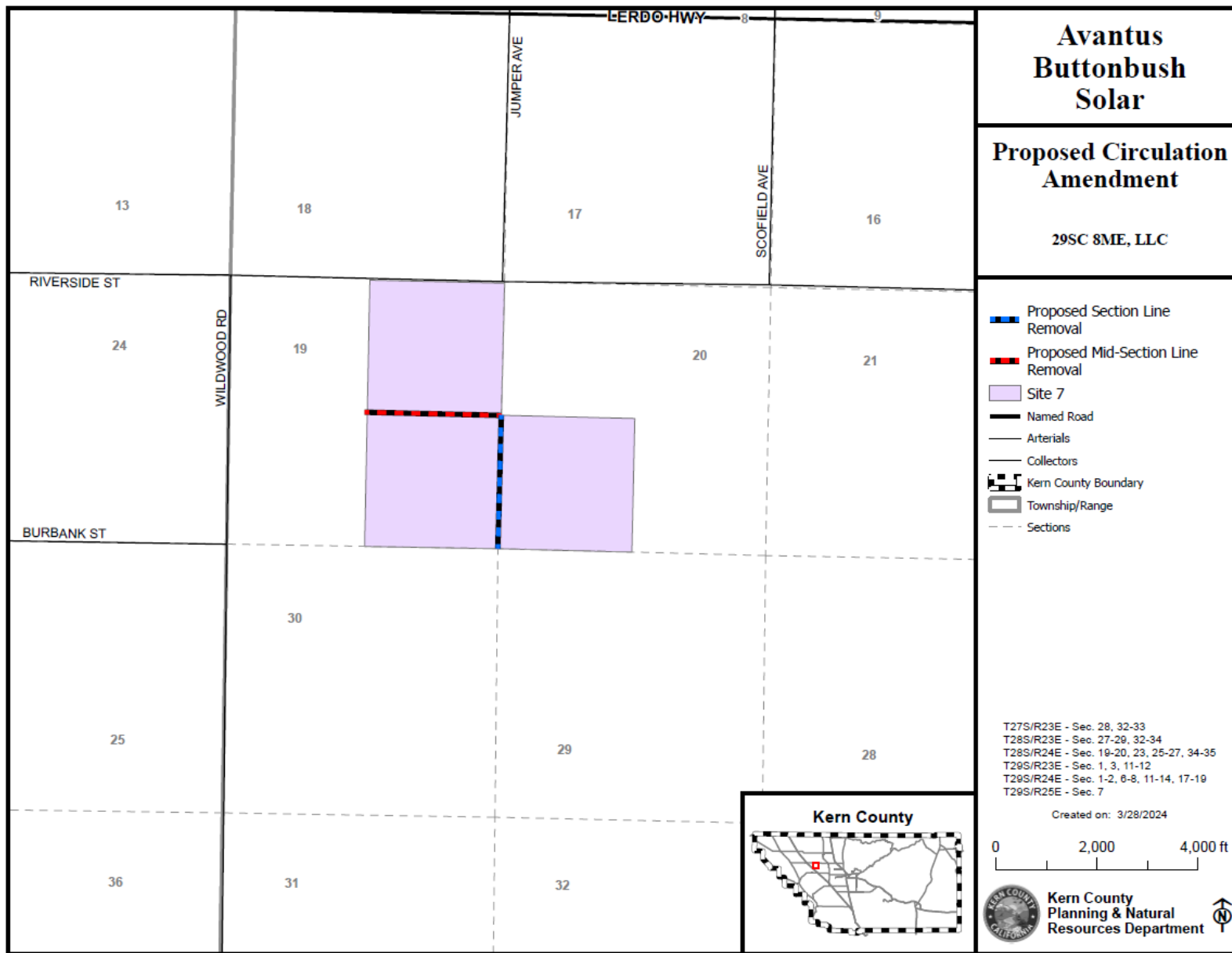


Figure 6.e. Proposed Circulation Amendment

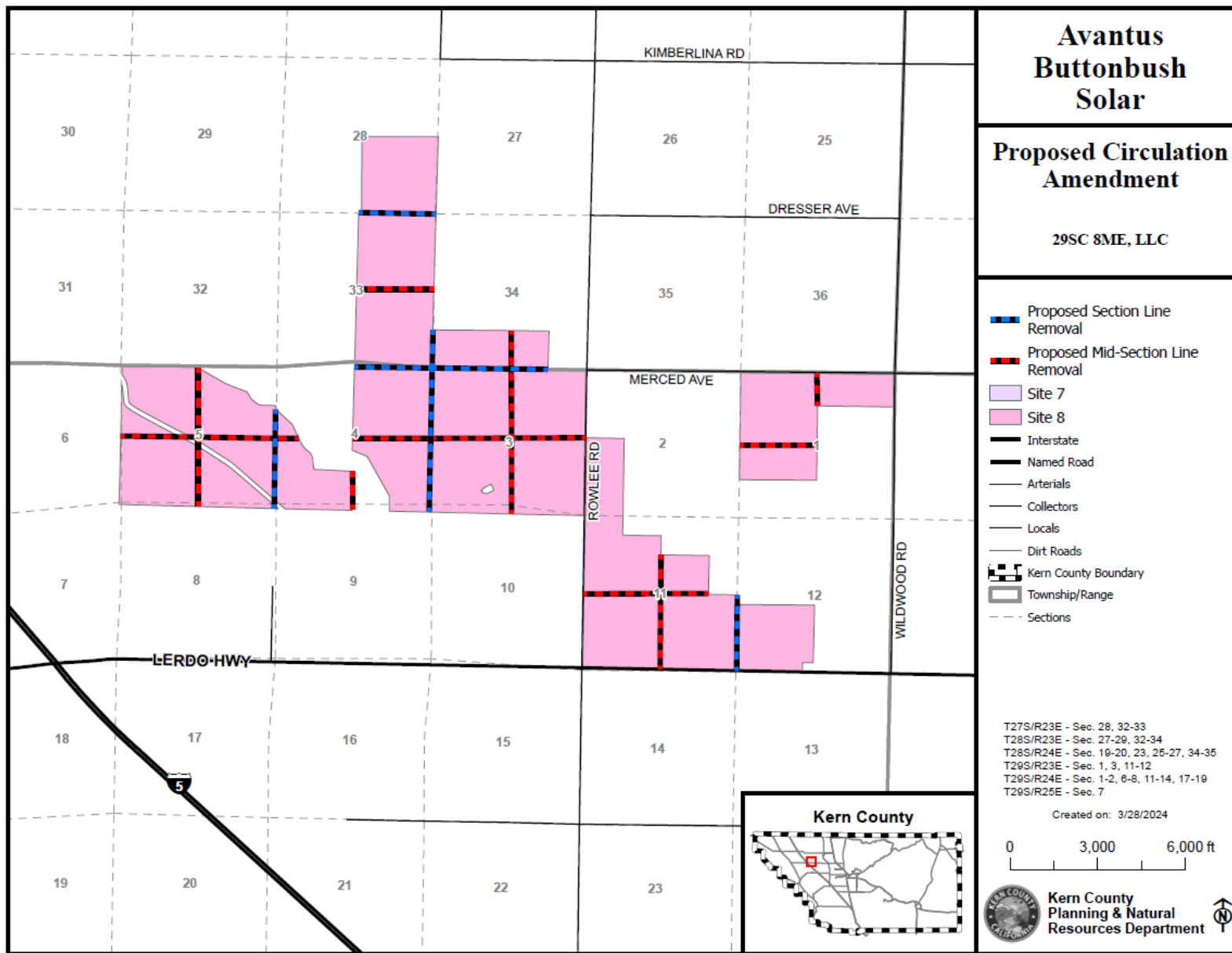


Figure 7.a. Site Plan

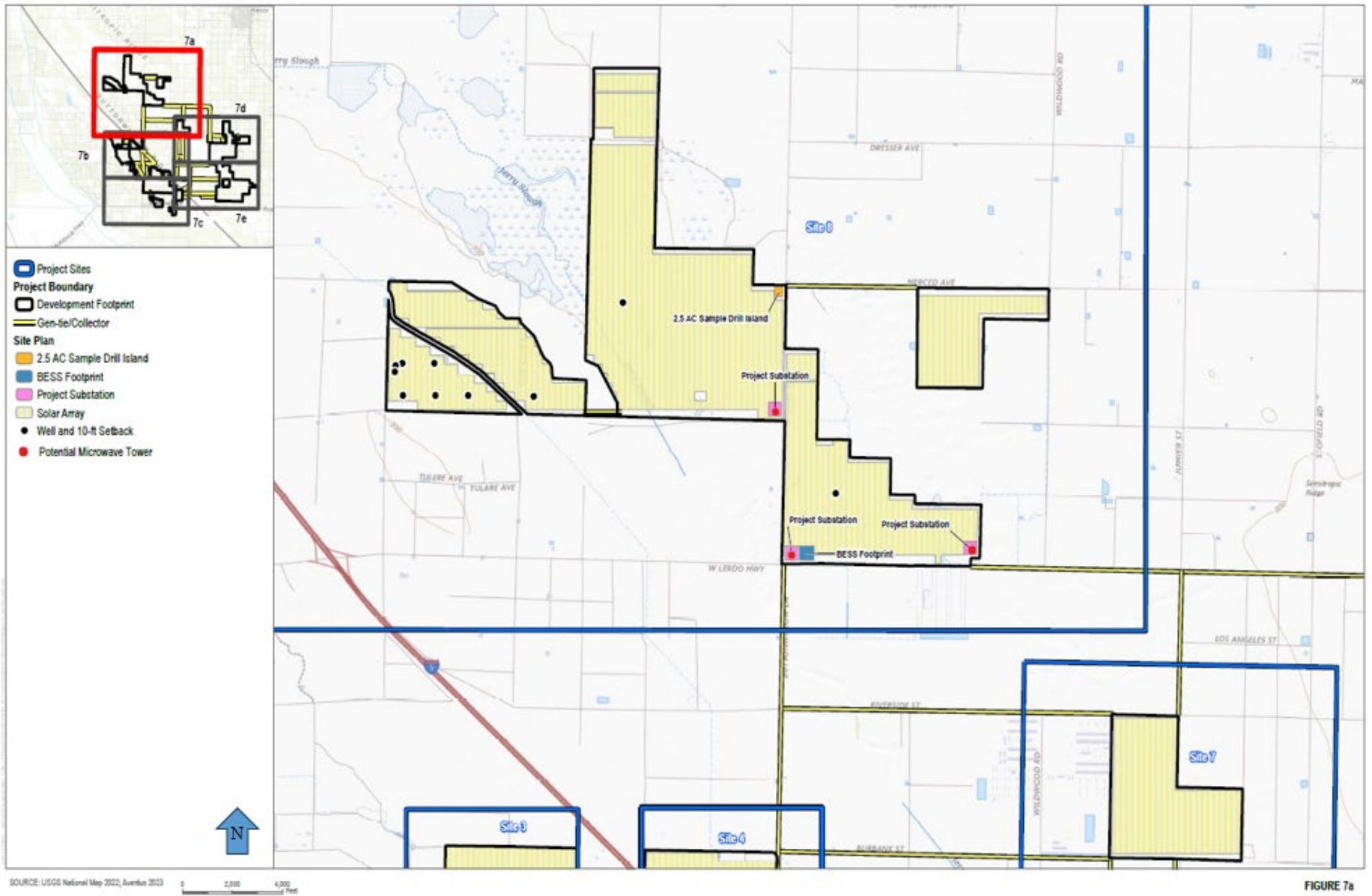


Figure 7.b. Site Plan

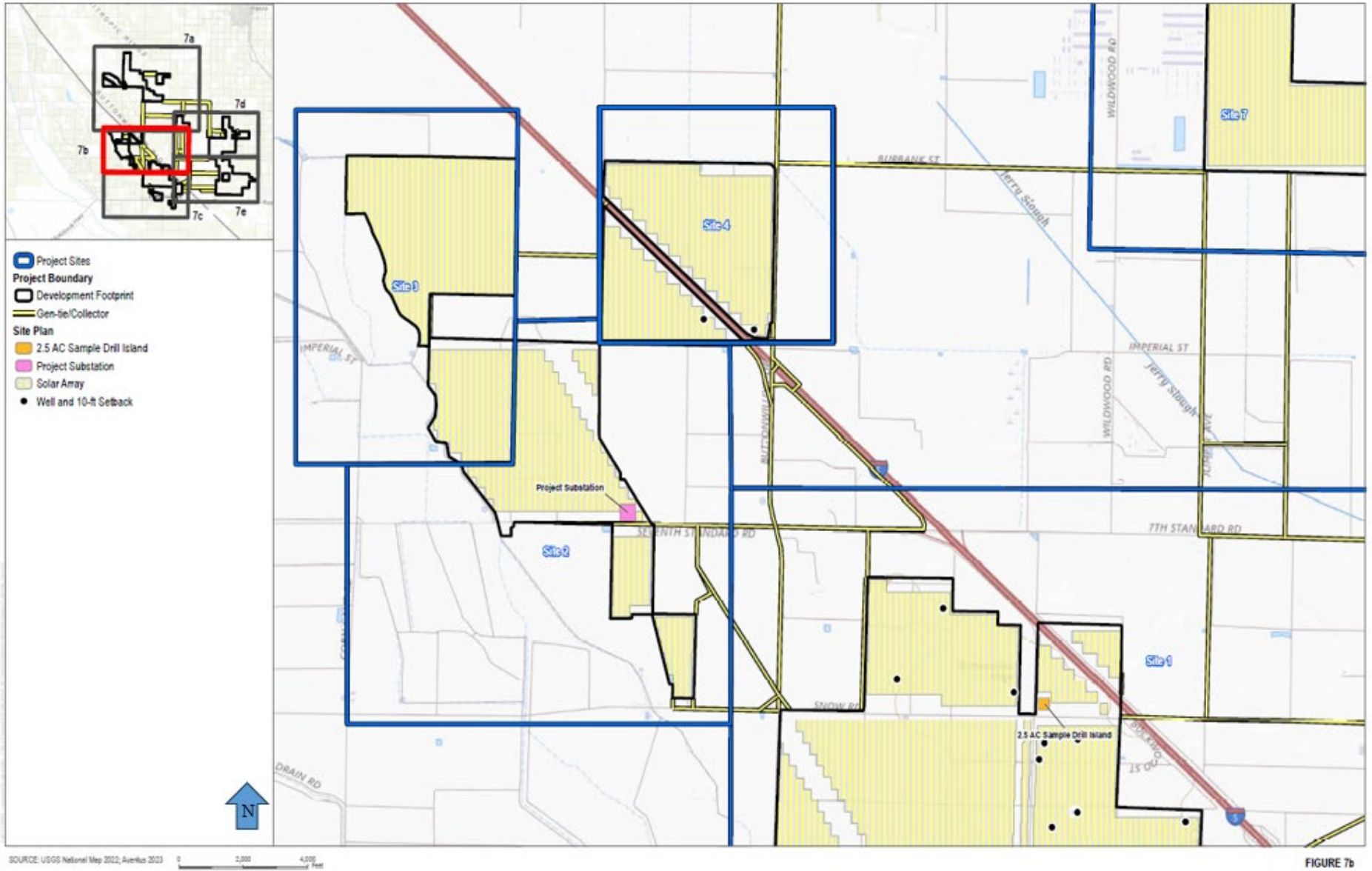


Figure 7.c. Site Plan

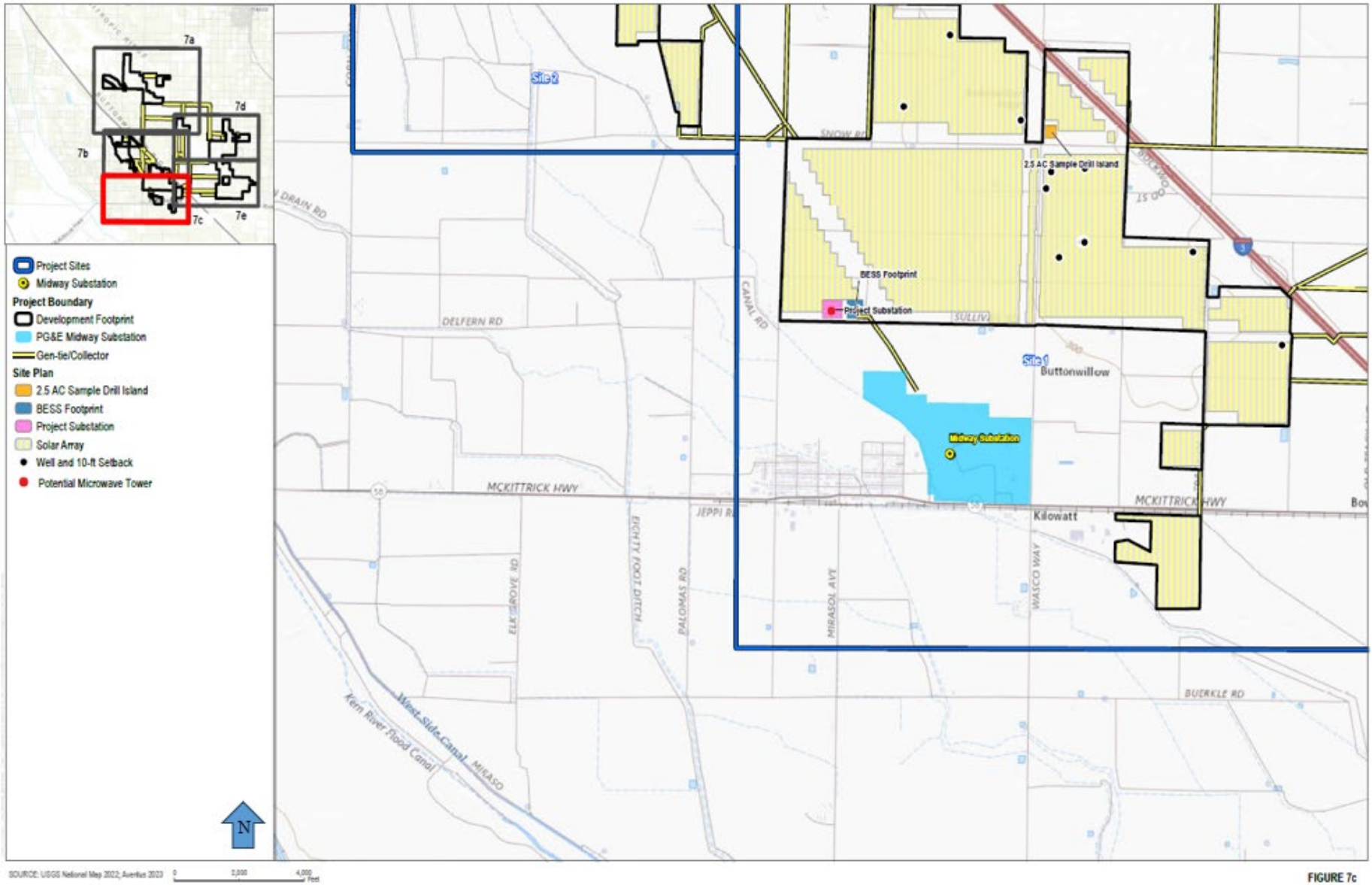


FIGURE 7c

Figure 7.d. Site Plan

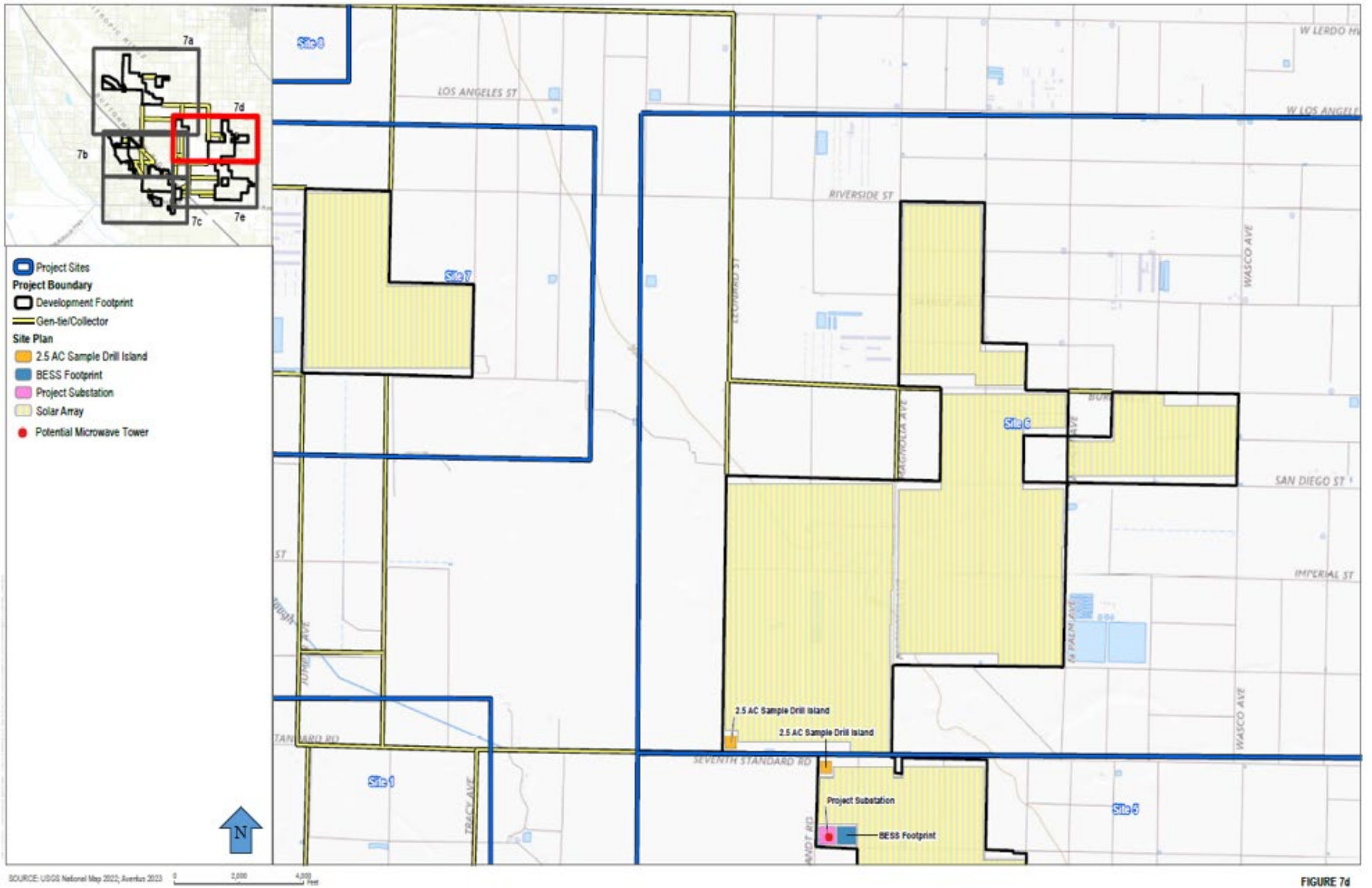


FIGURE 7d

Figure 7.e. Site Plan

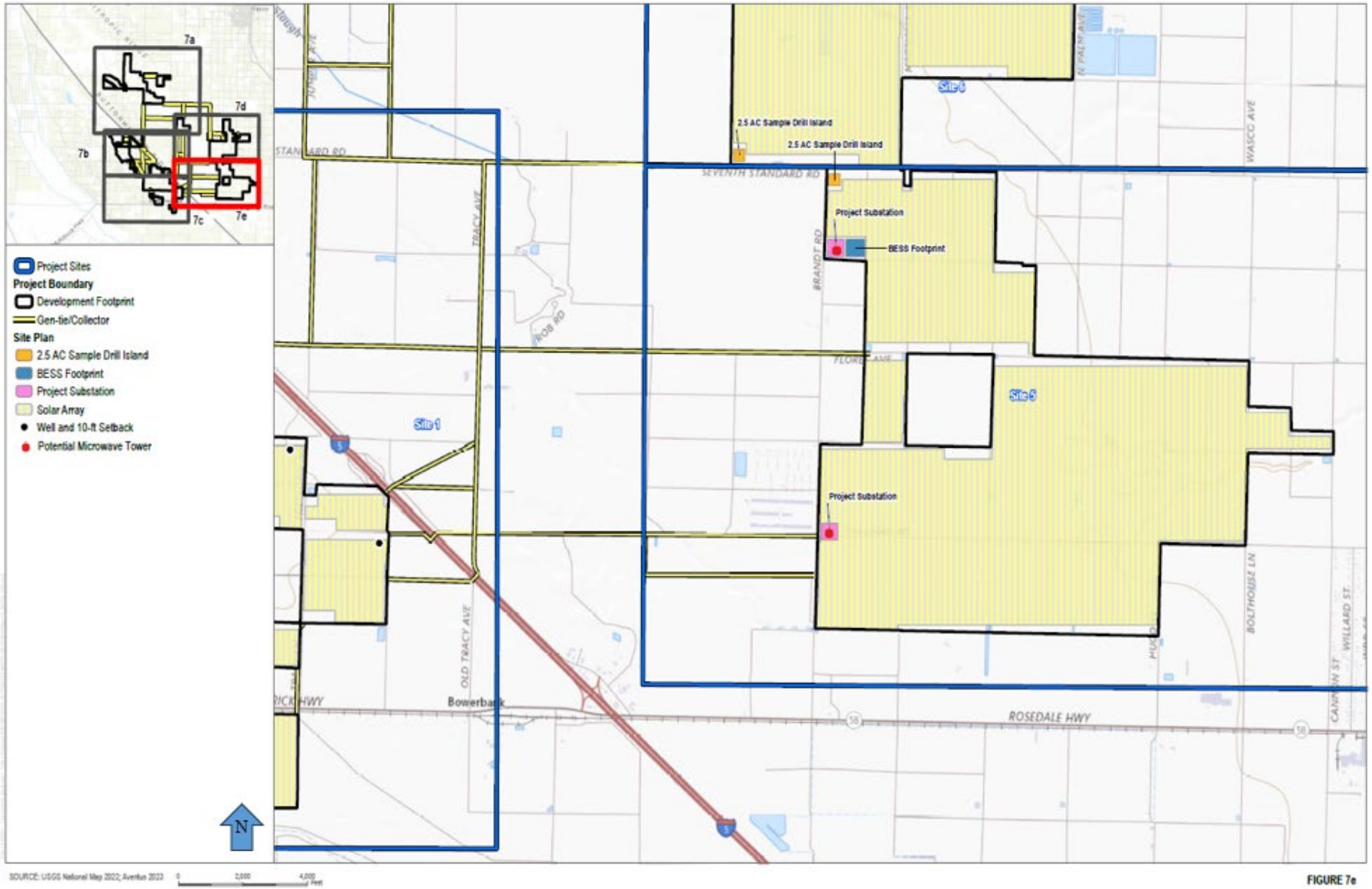


Figure 8 Williamson Act Cancellations

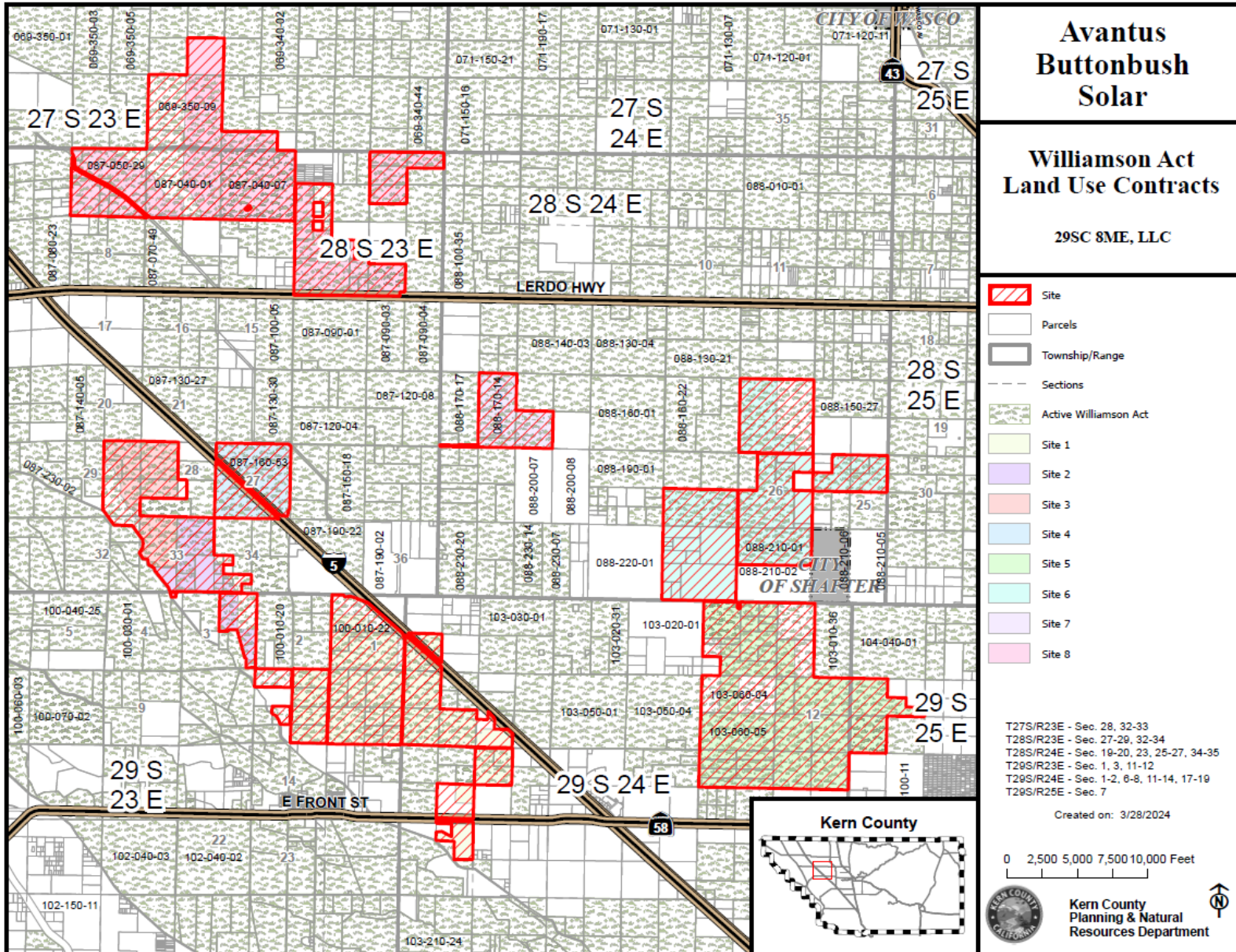
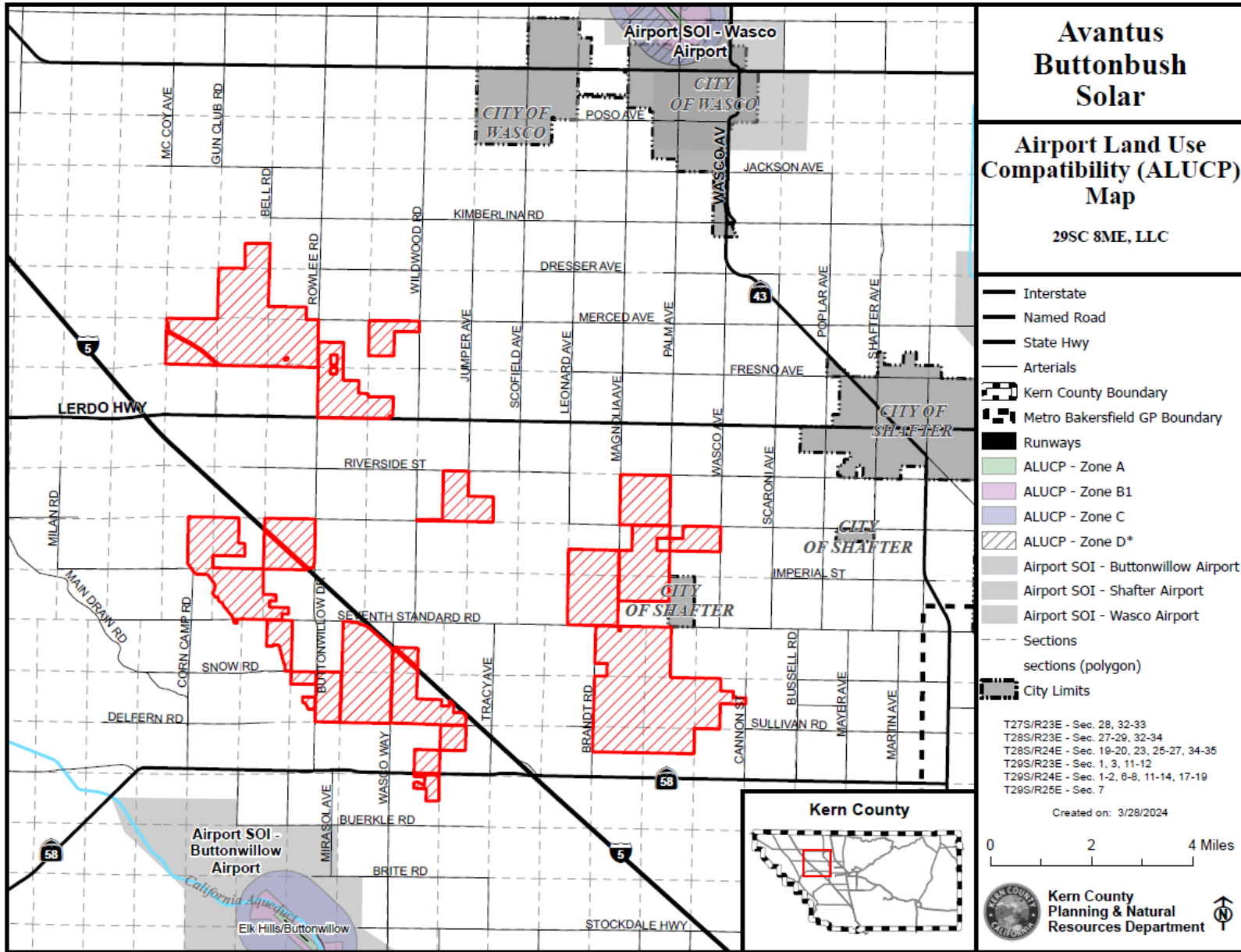


Figure 9 ALUC



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2. Kern County Environmental Checklist Form

2.1. Environmental Factors Potentially Affected

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

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

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

Other Environmental Issues:

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

Population and Housing: The proposed project would have temporary workers traveling to the project site during construction. It is estimated that up to 800 workers per day (during peak construction periods) would be required during construction of the proposed project. Construction workers are expected to travel to the 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, RV parks, homes for rent or sale) would be available in the nearby cities and communities of Bakersfield, Buttonwillow, Shafter, and Wasco. Therefore, the project is not anticipated to directly or indirectly induce the development of any new housing or businesses within the local communities. The finished facility It is expected that the proposed project could require an operational staff of up to 20 full-time employees. Due to the small number of full-time employees, it is anticipated that the local housing stock would be adequate to accommodate operations personnel should they relocate to the area, without requiring the need for the construction of new housing. The project would not directly or indirectly induce substantial unplanned population growth, and further analysis in the EIR is not warranted.

The proposed project site is located in an agricultural area and several single-family homes and agriculture-related structures are near the project boundary. One single-family home on APN 087-040-04 would be removed during project construction. Implementation of the proposed project would not displace a

substantial number of existing people or housing. Therefore, no impacts would occur. No further analysis in the EIR would be required.

Recreation: It is estimated that up to 800 workers per day (during peak construction periods) would be required on site during construction of the proposed project. These workers are not likely to visit any local parks or recreation facilities during the workday. Further, few workers are expected to relocate to this area temporarily while the construction is underway, and there would be little or no impact on local recreational resources after work hours. Operation of the project would require approximately 20 employees, but they would likely be drawn from the local labor force and would commute from their existing permanent residences to the project site during those times. However, even if the employees were hired from out of the area and relocated to the San Joaquin Valley region of 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. Therefore, no deterioration of any such facilities would occur with project implementation. Impacts would not occur, and no further analysis in the EIR is warranted.

The proposed project does not include or require the construction of new or expansion of existing recreational facilities, and there are no recreational facilities on the project site that would be affected. No impact would result, and no further analysis in the EIR is warranted.

2.2. Determination

(To be completed by the Lead Agency)

On the basis of 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

Jamal Ferguson
Printed Name

4/23/2024

Date

Planner I
Title

