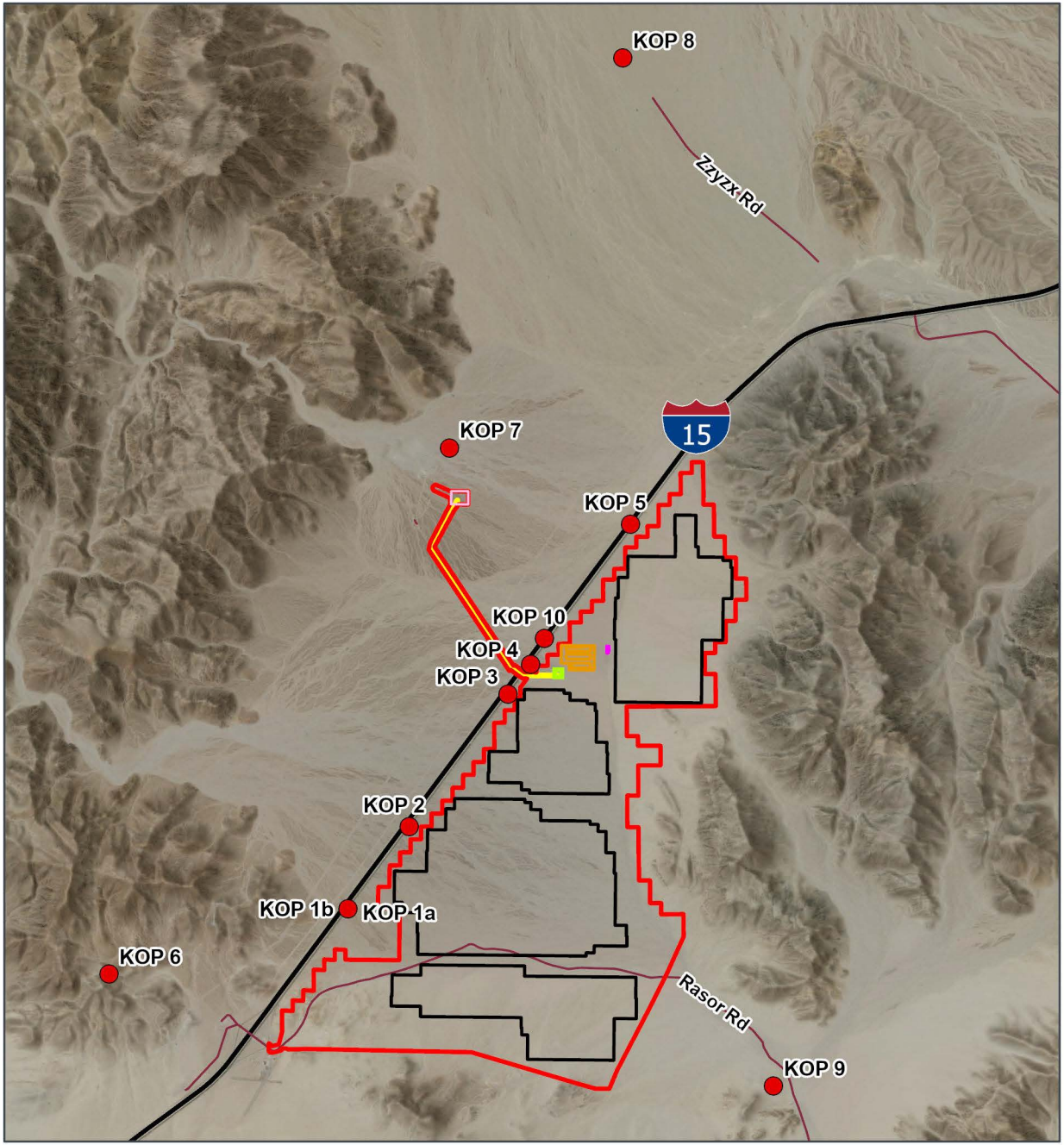
DOCKETED	
Docket Number:	24-OPT-03
Project Title:	Soda Mountain Solar
TN #:	267965
Document Title:	Data request responses
Description:	Data request responses to: visual resources, figure updates, O&M building design, project alternative, grading numbers and building square footage.
Filer:	Hannah Arkin
Organization:	Resolution Environmental
Submitter Role:	Applicant Representative
Submission Date:	12/17/2025 5:01:04 PM
Docketed Date:	12/18/2025



Key Observation Point (KOP)
Local Road
U.S. Highway

Project Components

Solar Array
Proposed BESS Yard
Proposed Substation
Proposed Switchyard
Project Area
Proposed O & M Building
Gen-Tie Line

San Bernardino County, CA
NAD 1983 UTM Zone 11N
35.1738°N 116.1813°W

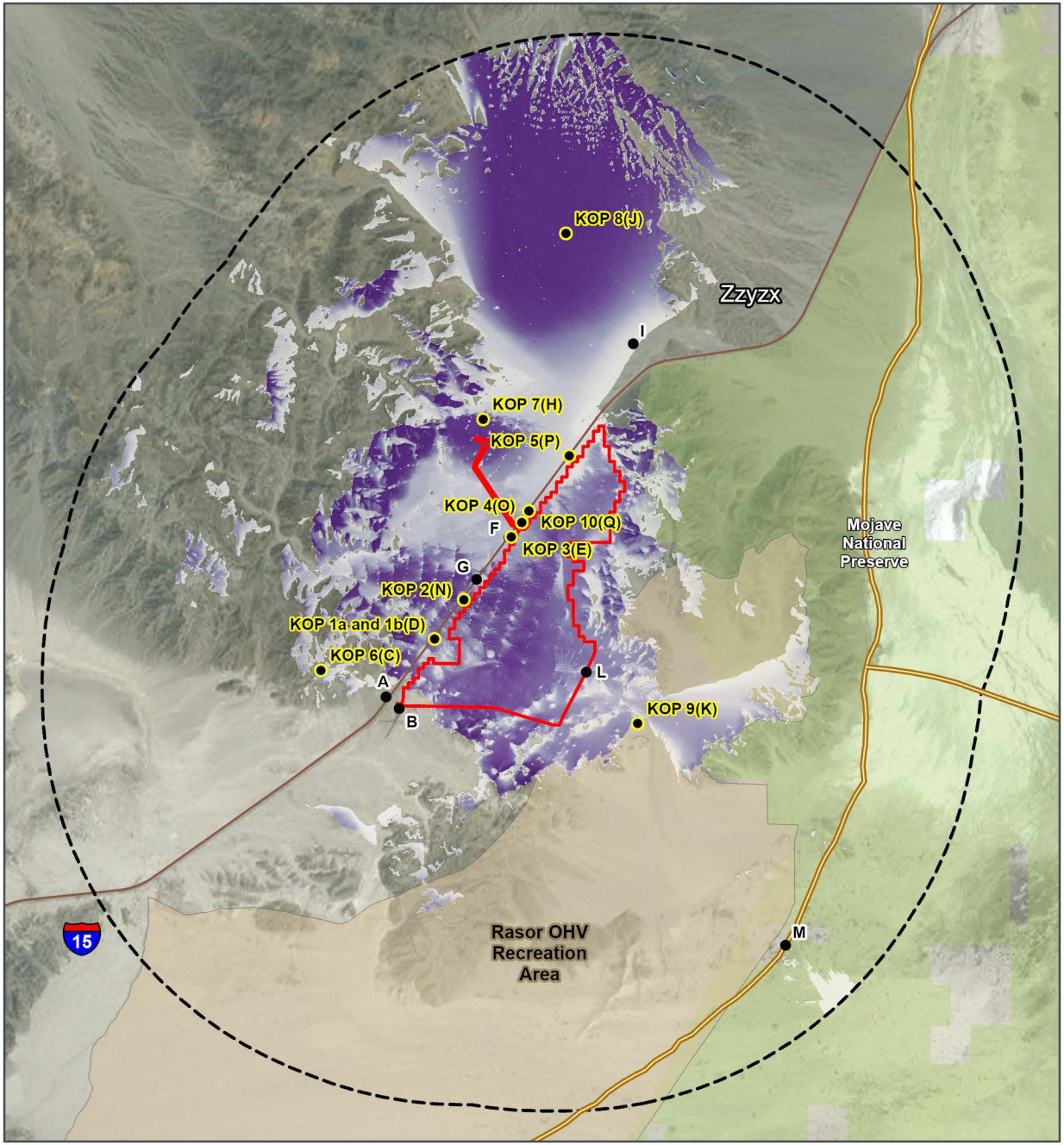
0 3,000 6,000 Feet
0 750 1,500 Meters

N

1:62,000

Base Map: Esri ArcGIS Online, accessed December 2025
Updated: 12/17/2025
Project No. 68347
Layout: 68347_PhotoAngle_KOP8_v3
Aprx: Visual_Resources

SWCA ENVIRONMENTAL CONSULTANTS



- Viewpoint
- Key Observation Point (KOP)
- Project Site
- 5 Mile Visual Analysis Area
- Old Spanish National Historic Trail
- Rasor Off-Highway Vehicle (OHV) Area
- Mojave National Preserve

Viewshed

- More panels visible
- Fewer panels visible

San Bernardino County, CA
NAD 1983 UTM Zone 11N
35.1569°N 116.1794°W

0 5,000 10,000 Feet
0 1,000 2,000 Meters

N

1:130,000

Base Map: Esri ArcGIS Online, accessed December 2025
Updated: 12/17/2025
Project No. 68347
Layout: 68347_Viewshed
Aprx: Visual_Resources

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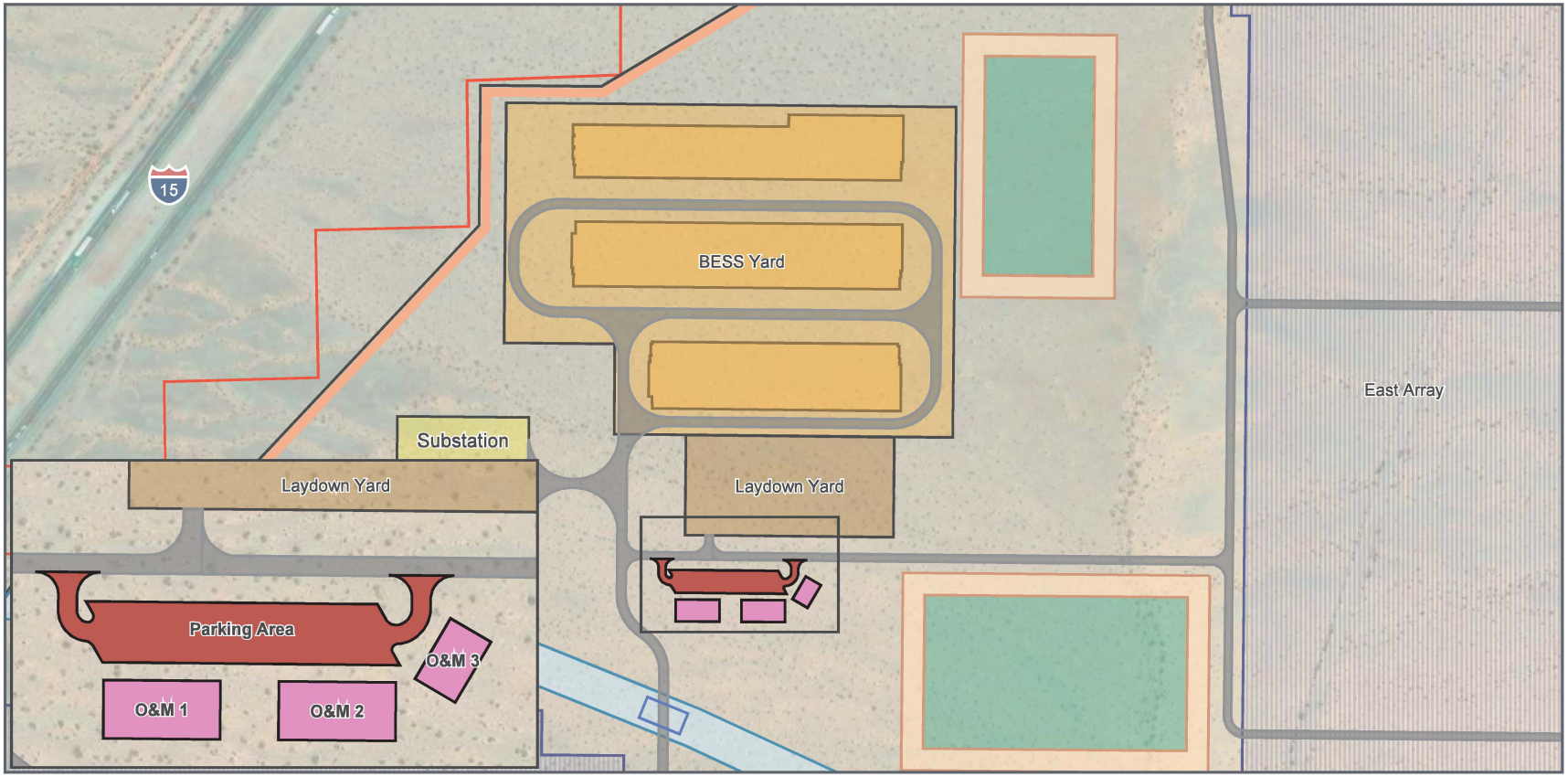


- Project Boundary
- Solar Array
- Proposed BESS Equipment Yard
- Proposed Substation
- Access Road (On-site)
- Laydown Yard
- Limit of Disturbance
- Drainage Canal
- Proposed Box Culvert
- Proposed Basin Slope Grading
- Proposed Sediment Basin
- Berm
- Proposed O & M Building
- Proposed Parking Area

San Bernardino County, CA
NAD 1983 UTM Zone 11N
35.1657°N 116.1762°W

0 200 400 Feet
0 50 100 Meters

N

1:4,800

Base Map: Esri ArcGIS Online, accessed December 2025
Updated: 12/17/2025
Project No. 68347
Layout: 68347_Prelim_BESS Aprx: General

SWCA ENVIRONMENTAL CONSULTANTS

Outlook

Soda Mt. Bighorn Sheep Buffer

From Hannah Arkin <hannah@resolutionenvironmental.com>
Date Fri 12/5/2025 7:55 AM
To Worrall, Lisa@Energy <lisa.worrall@energy.ca.gov>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <eric.knight@energy.ca.gov>
Bcc Tony Brunello <tbrunello@calstrat.com>

2 attachments (4 MB)
Soda Mountain PV and BESS Layout_251204_Exhibit.pdf; Soda Mountain_Shapefiles_251204.zip;

Hi Lisa,

Attached to this email is an alternative project design that addresses the CEC questions below. This project alternative incorporates the bighorn sheep buffer and moves the BESS 500 feet away from the I-15. The Applicant's preferred project remains the one described in our Opt-In Application, as this alternative design is extremely constrained and there are significant permitting ripple effects related to BLM and LADWP. However, the Applicant team is doing its best to find creative solutions and reach a compromise. The attached design with exactly this buffer zone is considered a feasible alternative by the Applicant team.

If you have any questions, please don't hesitate to reach out. Our responses to the CEC questions below are in bold.

-Hannah

CEC Bighorn Sheep Questions
Questions/Ideas for Big Horn Sheep Buffer

Areas of flexibility:
1. Chris- Having an energy dissipater inside the buffer would be okay. **Comment noted. Please see the attached alternative project design.**

Questions for Applicant:
2. Chris- Where can the applicant place solar panels within the project site- are there gaps or possibility to shift project components? **Yes**. **Please see the attached alternative project design.**

3. Does the refined grading remove the need for some of the stormwater protection/management infrastructure onsite? **No. However, our applicant team is working to provide alternative stormwater solutions/infrastructure to ensure CEQA impacts remain at a level below significant. This information should arrive by December 11.**

4. Can the BESS be moved away from the freeway and placed where the attached figure shows? If not, where else can it be moved to in order to be sufficiently far from the freeway. **The San Bernardino Fire Department has**

stated they have accepted the current location of the BESS and do not require any relocation of this facility. That said, the Applicant team has decided to move the BESS 500' east of the highway regardless in the attached alternative. This information will be added to the public docket. The proposed project has no change to the provided BESS site plan.

5. What's the prevailing wind direction at the project site? **The prevailing wind direction is from the west-southwest (Western Regional Climate Center 2002).**

6. For the buffer to be considered, it seems that approximately 4-5 percent of the solar field must be removed. For the project to maintain its maximum MW output of 300 MW, the removed panels must be located elsewhere within the project site boundaries or their conversion efficiency be increased.

a. Assuming all the panels have equal power output, there needs to be gaps on the site to accommodate the 4-5 percent panels removed. Where would the applicant consider for these panels within the project site?
b. As an alternative, to accommodate for the loss of MW of roughly 4-5 percent of the project-wide output of 300 MW, or roughly 12-15 MW, please evaluate the selection of PV panels with higher efficiency rating than the 20 percent rating given in the Application.

We understand the applicant hasn't begun procuring the equipment yet, but we'd like clarification on the PV panels mentioned in the application. What manufacturer, model, or specs—if any—were used to design the project site panel layout? What type of panels were assumed to reach the stated 20% efficiency? Was this number based on site-specific factors or just a typical manufacturer rating? **Please see the attached alternative project design. Given market conditions, it is best to maintain flexibility regarding what PV panels will be used during construction. As a point of clarification, Applicant has already procured some long-lead time equipment (main power transformer and medium-voltage transformers).**

Hannah Arkin

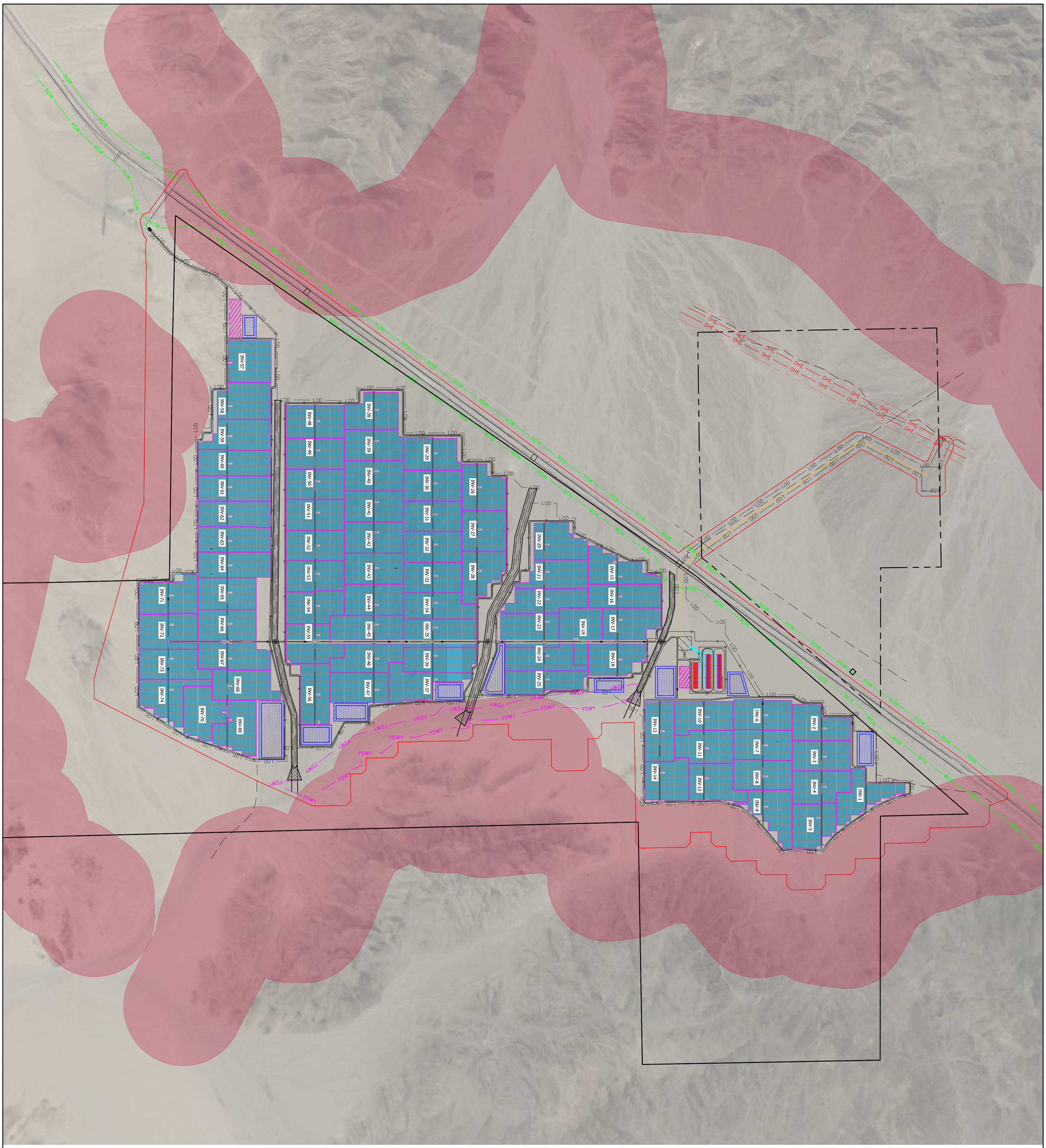
CEO

Resolution Environmental

262 B Avenue, Coronado, CA 92118

760-504-4109

C:\Users\chandrews\OneDrive - Stantec\Z Drive\Soda Mountain\Soda Mountain E-100.dwg



LEGEND

PROPOSED

- PROPERTY BOUNDARY
- PROJECT BOUNDARY
- LIMIT OF DISTURBANCE
- RIGHT OF WAY
- OVERHEAD ELECTRIC
- CHAIN LINK FENCE
- ACCESS ROAD
- PVCASE TRACKERS
- INVERTERS
- BESS COLLECTION CABLES
- GEN-TIE LINE
- SUBSTATION
- LAYDOWN YARD
- STORMWATER POND
- BIG HORN SHEEP BUFFER
- WATER TANK
- WELL

0 1000' 2000'

N

ISSUED: -

NO.	REVISION	DATE
	-	

DRAWN RMA
DESIGNED CMA
CHECKED CMA
APPROVED DDF
PROJ. NO. 224202943

SHEET NUMBER E-100

OVERALL ELECTRICAL PV LAYOUT

SODA MOUNTAIN SOLAR PROJECT

CONDUCTIVE POWER, LLC
35.150692, -116.177542 SAN BERNARDINO COUNTY, CA

Stantec
10000 MIDLANTIC DR SUITE 300W
MOUNT LAUREL, NJ 08054
WWW.STANTEC.COM

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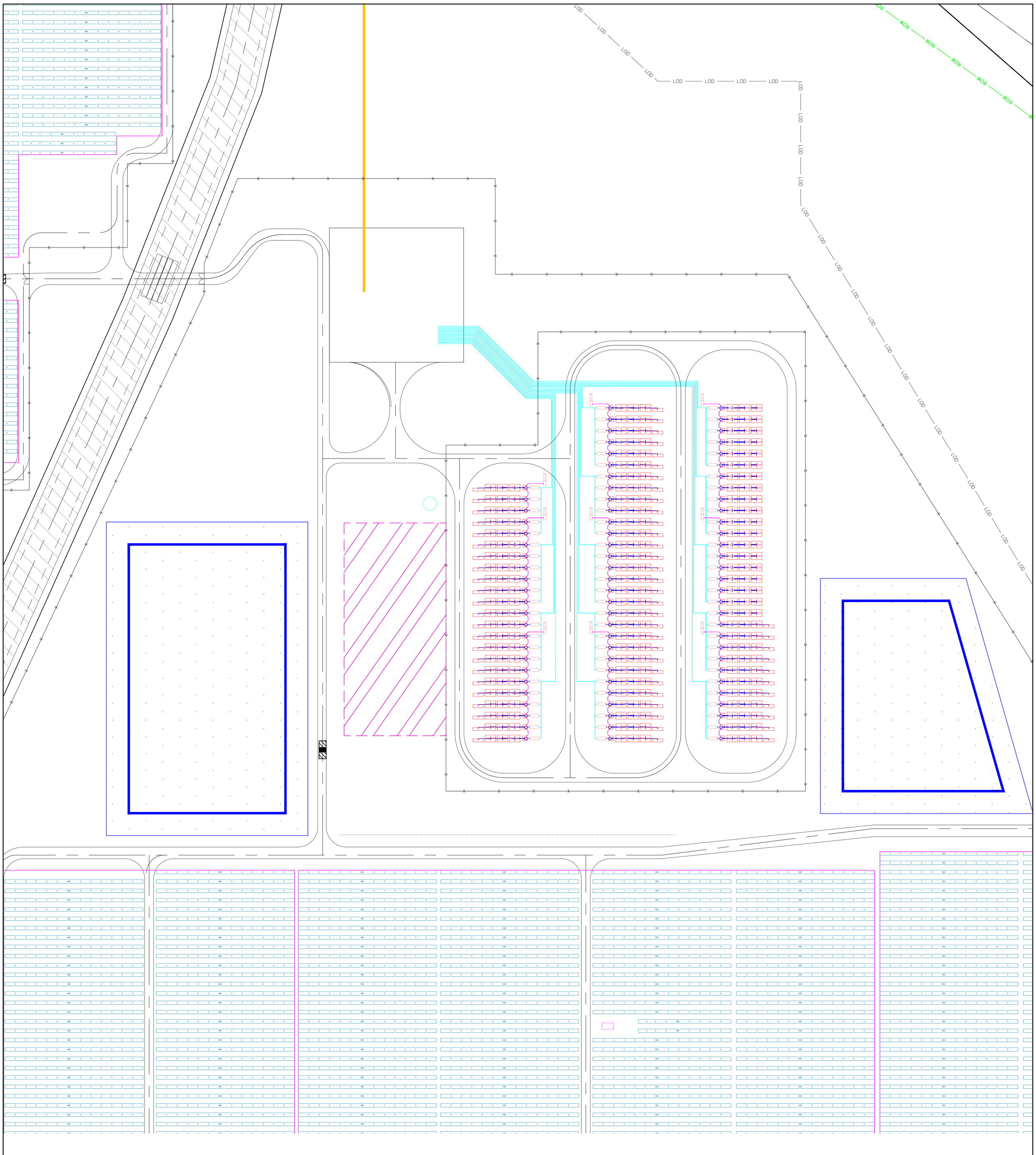

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- WATER TANK
- WELL

BESS LAYOUT

SODA MOUNTAIN SOLAR PROJECT

CONDUCTIVE POWER, LLC
35.150692, -116.177542 SAN BERNARDINO COUNTY, CA

NO.	REVISION	DATE

ISSUED: -

DRAWN RMA
DESIGNED CMA
CHECKED CMA
APPROVED DDF
PROJ. NO. 224202943

SHEET NUMBER E-100

Stantec
10000 MIDLANTIC DR SUITE 300W
MOUNT LAUREL, NJ 08054
WWW.STANTEC.COM

Outlook

Soda Mt. Grading

From Hannah Arkin <hannah@resolutionenvironmental.com>
Date Tue 11/25/2025 4:36 PM
To Worrall, Lisa@Energy <lisa.worrall@energy.ca.gov>

Hi Lisa,

Below are the cut/fill volumes for Soda Mt.

Current Project refers to mass grading under the solar arrays (no precision grading mitigation).

Proposed Project refers to implementation of the precision grading mitigation measure.

Please let me know if there are any additional questions related to this.

Thanks!

Hannah Arkin
CEO
Resolution Environmental
262 B Avenue, Coronado, CA 92118
760-504-4109

Table 6 Changes to Cut and Fill

	Cut (CY)		Fill (CY)		Net (CY)	
Project Component	Current Project	Proposed Project	Current Project	Proposed Project	Current Project	Proposed Project
Solar Arrays	71,000	3,300	91,000	36,700	20,000 (FILL)	33,400 (FILL)
Drainage Channels	145,500	145,500	0	0	145,500 (CUT)	145,500 (CUT)
Sediment Basins	413,500	413,500	89,100	89,100	324,400 (CUT)	324,400 (CUT)
Total	**630,000**	**562,300**	**180,100**	**125,800**	**449,900 (CUT)**	**436,500 (CUT)**

Outlook

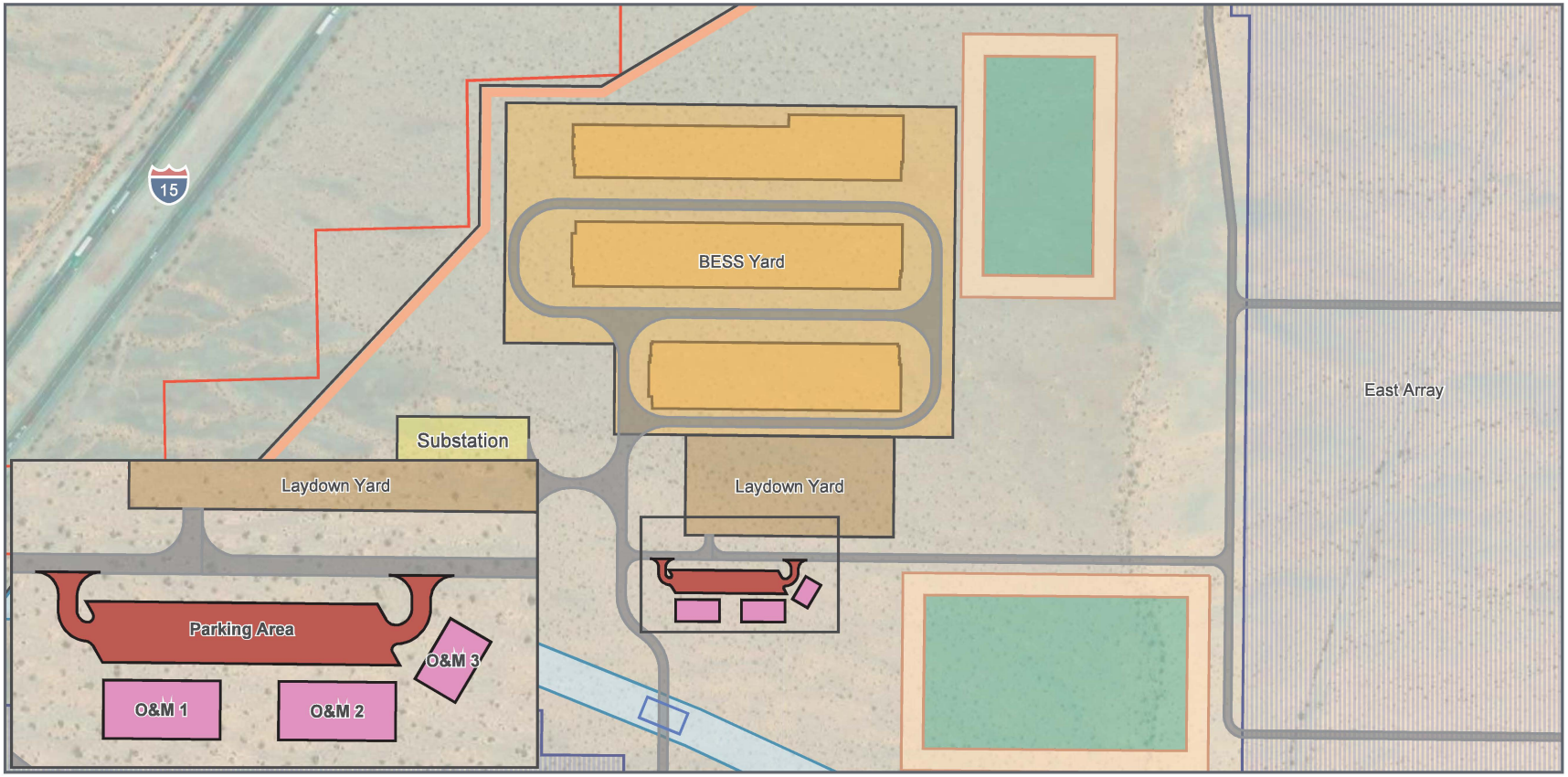
Re: Soda Mt. Bighorn Sheep Buffer

From Hannah Arkin <hannah@resolutionenvironmental.com>
Date Wed 12/17/2025 4:51 PM
To Worrall, Lisa@Energy <Lisa.Worrall@energy.ca.gov>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>

Hi Lisa,

Three buildings related to operations, maintenance, and storage would be constructed as part of the project. One building would be 2,400 square feet, and the other two buildings would each be 4,950 square feet in area.

Hannah Arkin
CEO
Resolution Environmental
262 B Avenue, Coronado, CA 92118
760-504-4109



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SWCA ENVIRONMENTAL CONSULTANTS