

DOCKETED	
Docket Number:	24-OPT-03
Project Title:	Soda Mountain Solar
TN #:	257905
Document Title:	Appendix A2 Engineering Generation Facility Description, Design and Operation
Description:	Appendix A contains information on facility and transmission design, reliability, efficiency and 30% Civil Design Plans. (Part 2 of 3)
Filer:	Hannah Gbeh
Organization:	Resolution Environmental
Submitter Role:	Applicant Consultant
Submission Date:	7/22/2024 5:19:38 PM
Docketed Date:	7/23/2024

30% CIVIL DESIGN PLANS FOR SODA MOUNTAIN SOLAR PROJECT

SITE COORDINATES: 35.150692° N, 116.177542° W
SAN BERNARDINO COUNTY, BAKER, CA 92309



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DRAWING ISSUE

<input checked="" type="checkbox"/>	Preliminary
<input type="checkbox"/>	Customer Approval
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REV	DESCRIPTION	DATE	DWRN	CHKD	APVD
A	30% CIVIL DESIGN PLANS	07/21/2023	MG	MB	LB
B	REVISED 30% CIVIL DESIGN	08/08/2023	MG	MB	LB

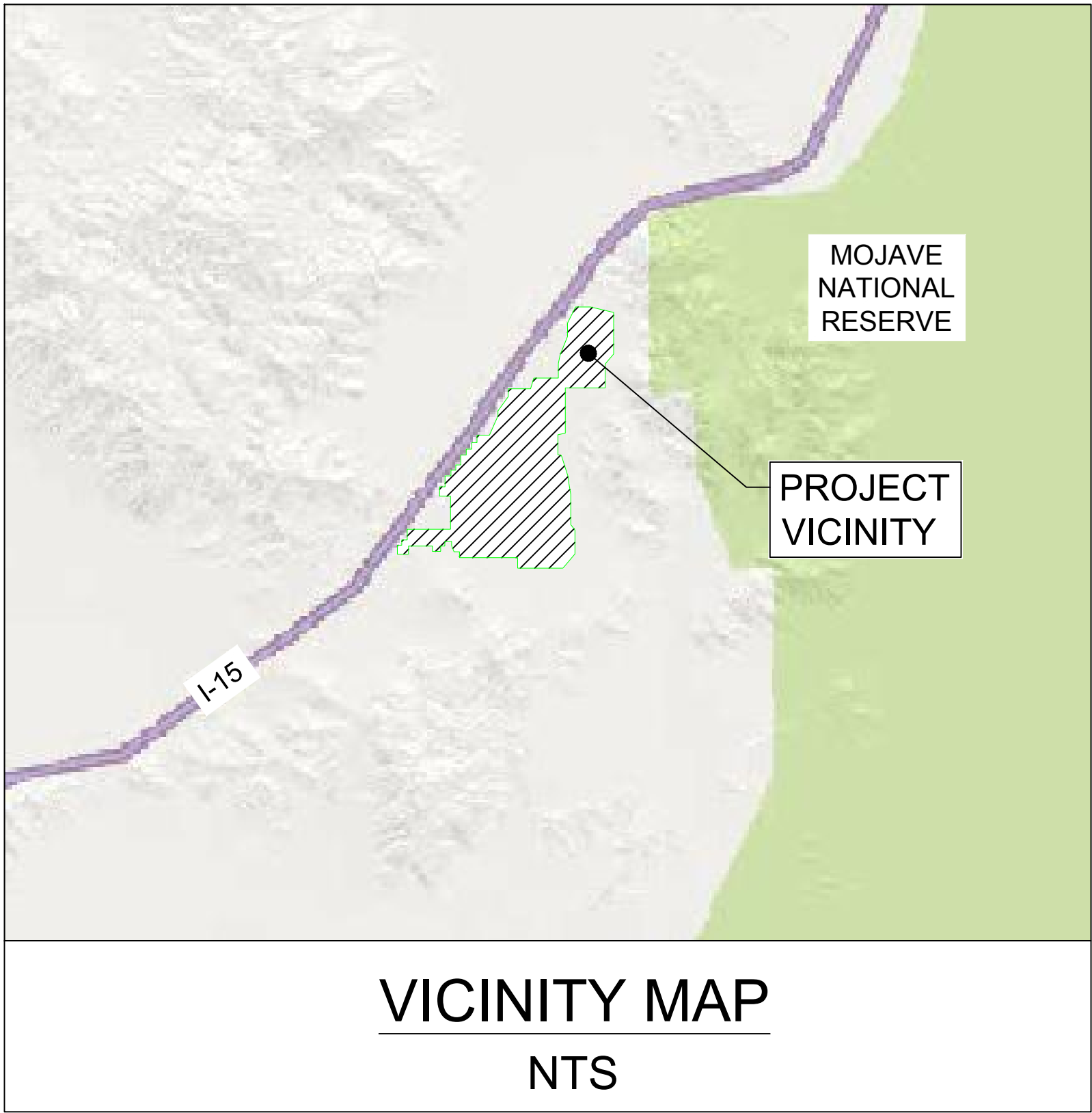
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Project Address:
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BAKER, CA 92309
35.150692° N, 116.177542° W

START DATE: 08/08/2023
DRAWN BY: MG
ENGINEER: JB
APPROVED BY: LB
SHEET TITLE:

COVER

SHEET NO.:
C-000



DRAWING INDEX			
SHEET NUMBER	SHEET TITLE	REV	DATE
C-000	COVER	B	08/08/2023
C-001 - C-002	GENERAL NOTES	B	08/08/2023
C-100	OVERALL EXISTING CONDITIONS & DEMOLITION PLAN	B	08/08/2023
C-200	OVERALL SITE PLAN	B	08/08/2023
C-201 - C-209	SITE PLAN	B	08/08/2023
C-300	OVERALL GRADING, DRAINAGE, & EROSION CONTROL PLAN	B	08/08/2023
C-301 - C-309	GRADING, DRAINAGE, & EROSION CONTROL PLAN	B	08/08/2023
C-400	OVERALL EARTHWORK PLAN	B	08/08/2023
C-501	SITE DETAILS	B	08/08/2023
C-502 - C-503	GRADING, DRAINAGE & EROSION CONTROL DETAILS	B	08/08/2023

PROJECT TEAM

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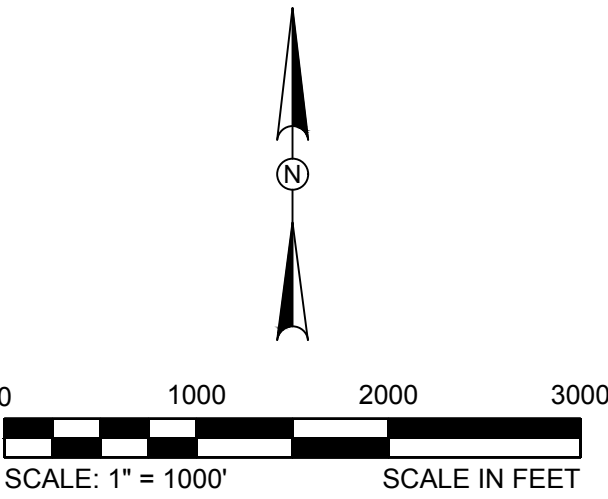
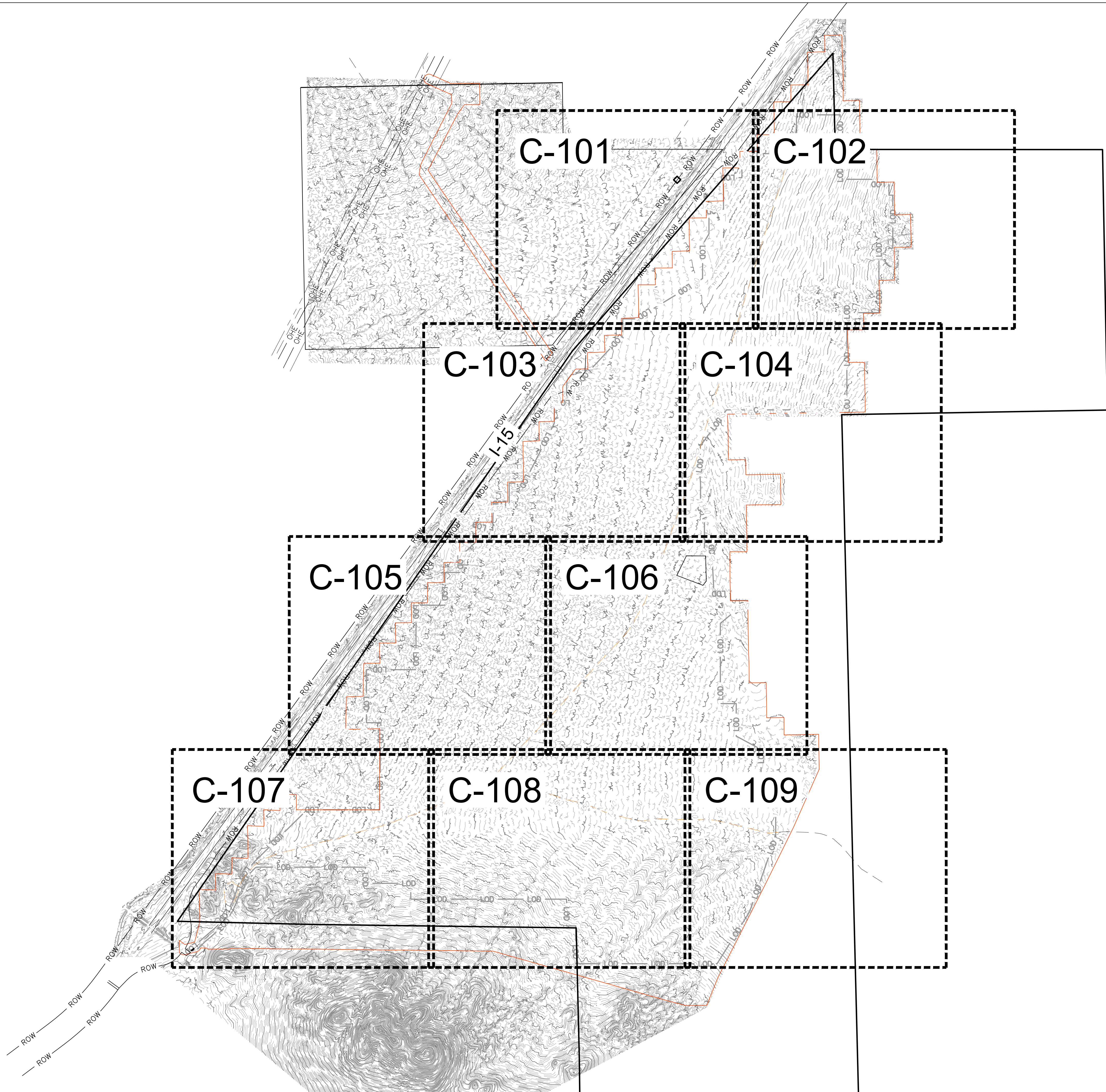
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CA LICENSE # 467252

GENERAL EROSION CONTROL PLAN NOTES			
<div><div><div>1. BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF.</div><div>2. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE SWPPP PLANS PREPARED BY KLEINFELDER.</div><div>3. THE CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED BEFORE ANY SITE GRADING OR CONSTRUCTION TAKES PLACE. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE, AND FEDERAL LAW.</div><div>4. EROSION AND SEDIMENT CONTROLS. DESIGN, INSTALL, AND MAINTAIN EFFECTIVE EROSION CONTROLS AND SEDIMENT CONTROLS TO MINIMIZE THE DISCHARGE OF POLLUTANTS. AT A MINIMUM, SUCH CONTROLS MUST BE DESIGNED, INSTALLED, AND MAINTAINED TO:<ul style="list-style-type: none">CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE SOIL EROSION IN ORDER TO MINIMIZE POLLUTANT DISCHARGES;CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWRATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE CHANNEL AND STREAMBANK EROSION AND SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINT(S);MINIMIZE THE AMOUNT OF SOIL EXPOSED DURING CONSTRUCTION ACTIVITY;MINIMIZE THE DISTURBANCE OF STEEP SLOPES;MINIMIZE SEDIMENT DISCHARGES FROM THE SITE. THE DESIGN, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS MUST ADDRESS FACTORS SUCH AS THE AMOUNT, FREQUENCY, INTENSITY AND DURATION OF PRECIPITATION, THE NATURE OF RESULTING STORMWATER RUNOFF, AND SOIL CHARACTERISTICS, INCLUDING THE RANGE OF SOIL PARTICLE SIZES EXPECTED TO BE PRESENT ON THE SITE;IF EARTH DISTURBANCE ACTIVITIES ARE LOCATED IN CLOSE PROXIMITY TO A SURFACE WATER OF THE STATE, PROVIDE AND MAINTAIN APPROPRIATE NATURAL BUFFERS IF FEASIBLE AND AS NECESSARY, AROUND SURFACE WATER OF THE STATE, DEPENDING ON SITE-SPECIFIC TOPOGRAPHY, SENSITIVITY, AND PROXIMITY TO WATER BODIES. DIRECT STORMWATER TO VEGETATED AREAS AND MAXIMIZE STORMWATER INFILTRATION TO REDUCE POLLUTANT DISCHARGES, UNLESS INFEASIBLE. IF PROVIDING BUFFERS IS INFEASIBLE, THE PERMITTEE SHALL DOCUMENT THE REASON THAT NATURAL BUFFERS ARE INFEASIBLE AND SHALL IMPLEMENT ADDITIONAL EROSION AND SEDIMENT CONTROLS TO REDUCE SEDIMENT LOAD;PRESERVE NATIVE TOPSOIL AT THE SITE, UNLESS THE INTENDED FUNCTION OF A SPECIFIC AREA OF THE SITE DICTATES THAT THE TOPSOIL BE DISTURBED OR REMOVED, OR IT IS INFEASIBLE; ANDMINIMIZE SOIL COMPACTION. IN AREAS OF THE CONSTRUCTION SITE WHERE FINAL VEGETATIVE STABILIZATION WILL OCCUR OR WHERE INFILTRATION PRACTICES WILL BE INSTALLED, EITHER:<ul style="list-style-type: none">RESTRICT VEHICLE AND EQUIPMENT USE TO AVOID SOIL COMPACTION; ORPRIOR TO SEEDING OR PLANTING AREAS OF EXPOSED SOIL THAT HAVE BEEN COMPACTED, USE TECHNIQUES THAT CONDITION THE SOILS TO SUPPORT VEGETATIVE GROWTH, IF NECESSARY AND FEASIBLE;MINIMIZING SOIL COMPACTION IS NOT REQUIRED WHERE THE INTENDED FUNCTION OF A SPECIFIC AREA OF THE SITE DICTATES THAT IT BE COMPACTED.</div><div>5. SOIL STABILIZATION. 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	EXISTING MAJOR CONTOUR (5')
	EXISTING MINOR CONTOUR (1')
	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING CALTRANS RIGHT-OF-WAY
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	PROPOSED LIMIT OF DISTURBANCE
	EXISTING DIRT ROAD CENTERLINE TO BE REMOVED

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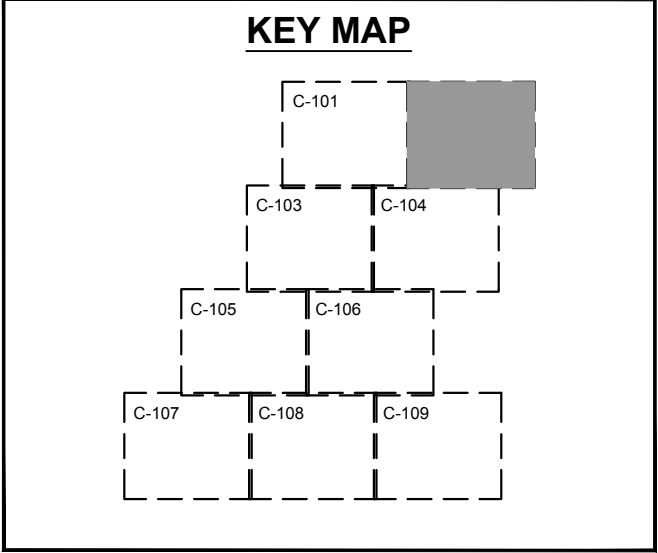
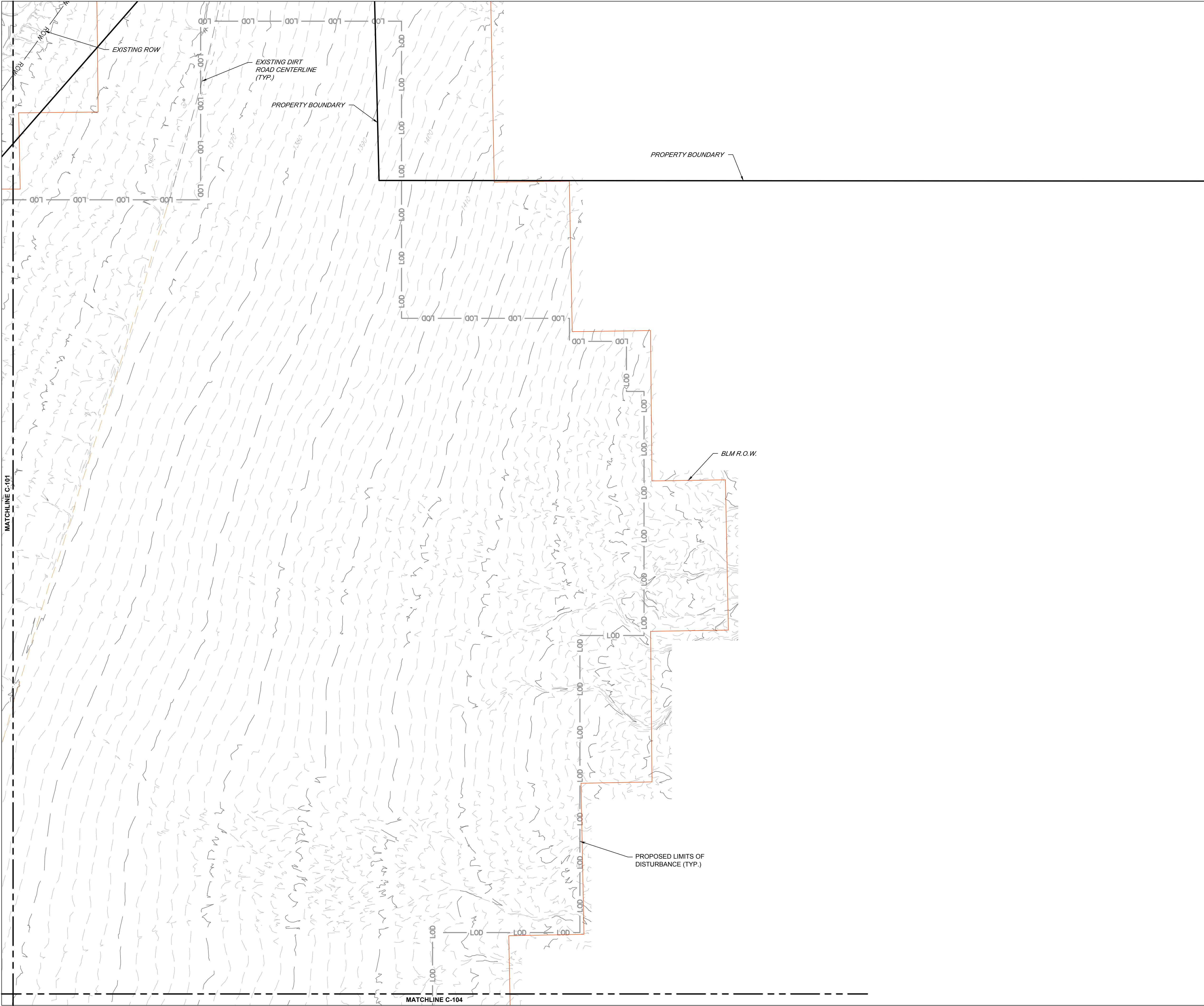
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OVERALL EXISTING
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DEMOLITION PLAN

SHEET NO.:
C-100

Bright People. Right Solutions.

CA LICENSE # 467252



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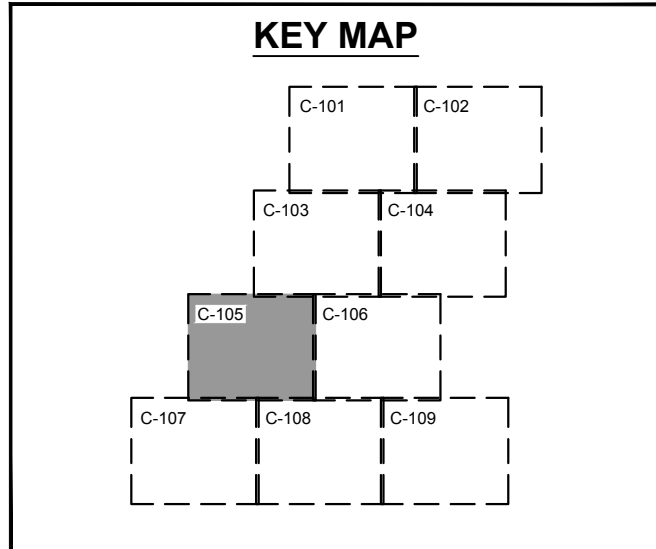
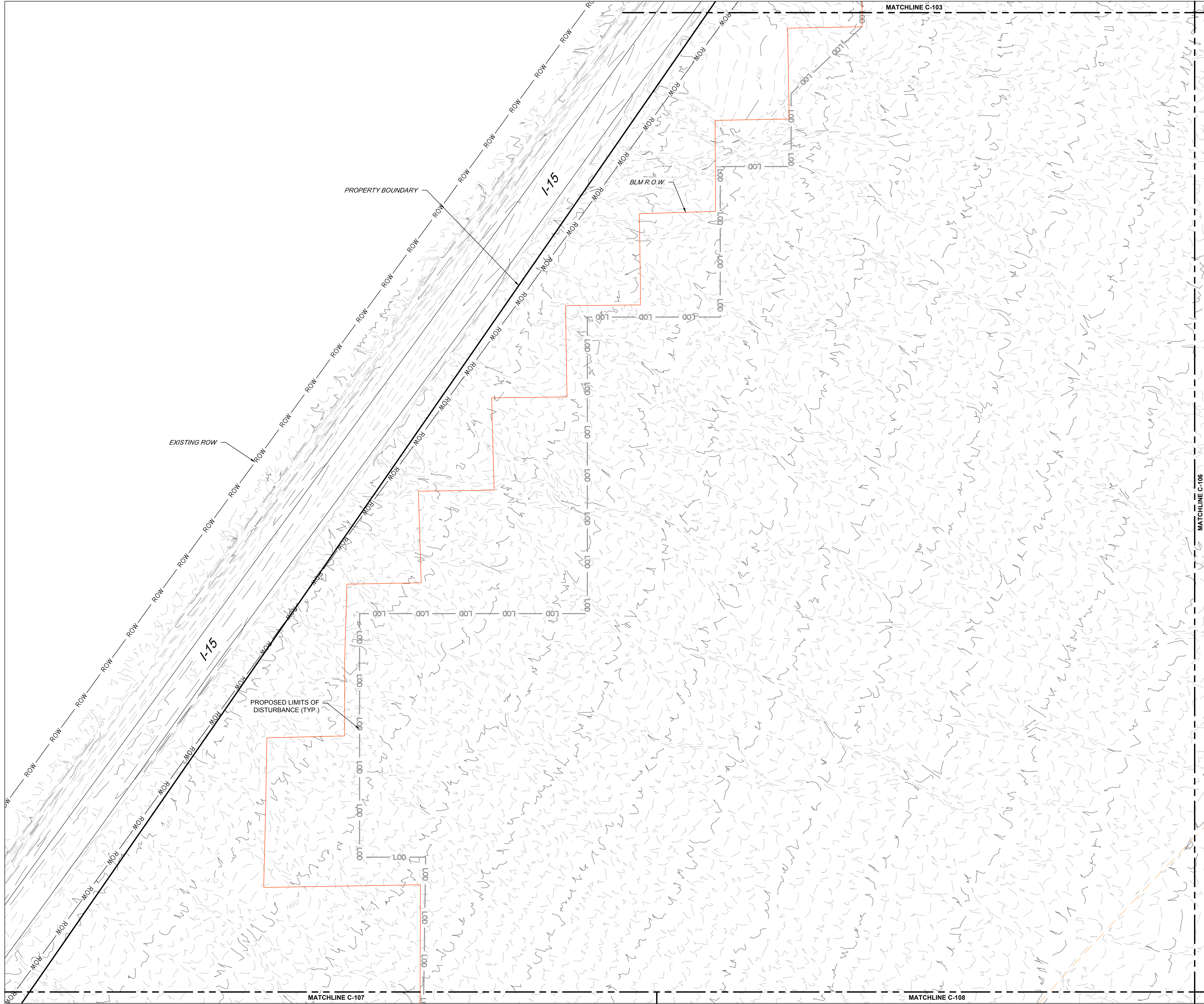
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SHEET NO.:
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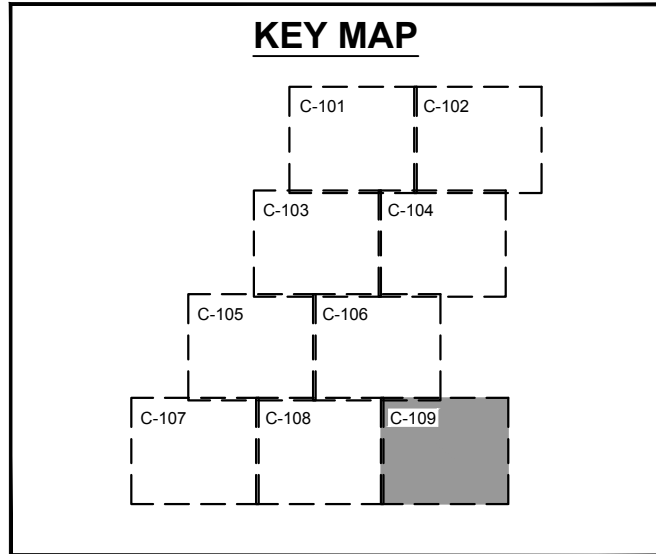
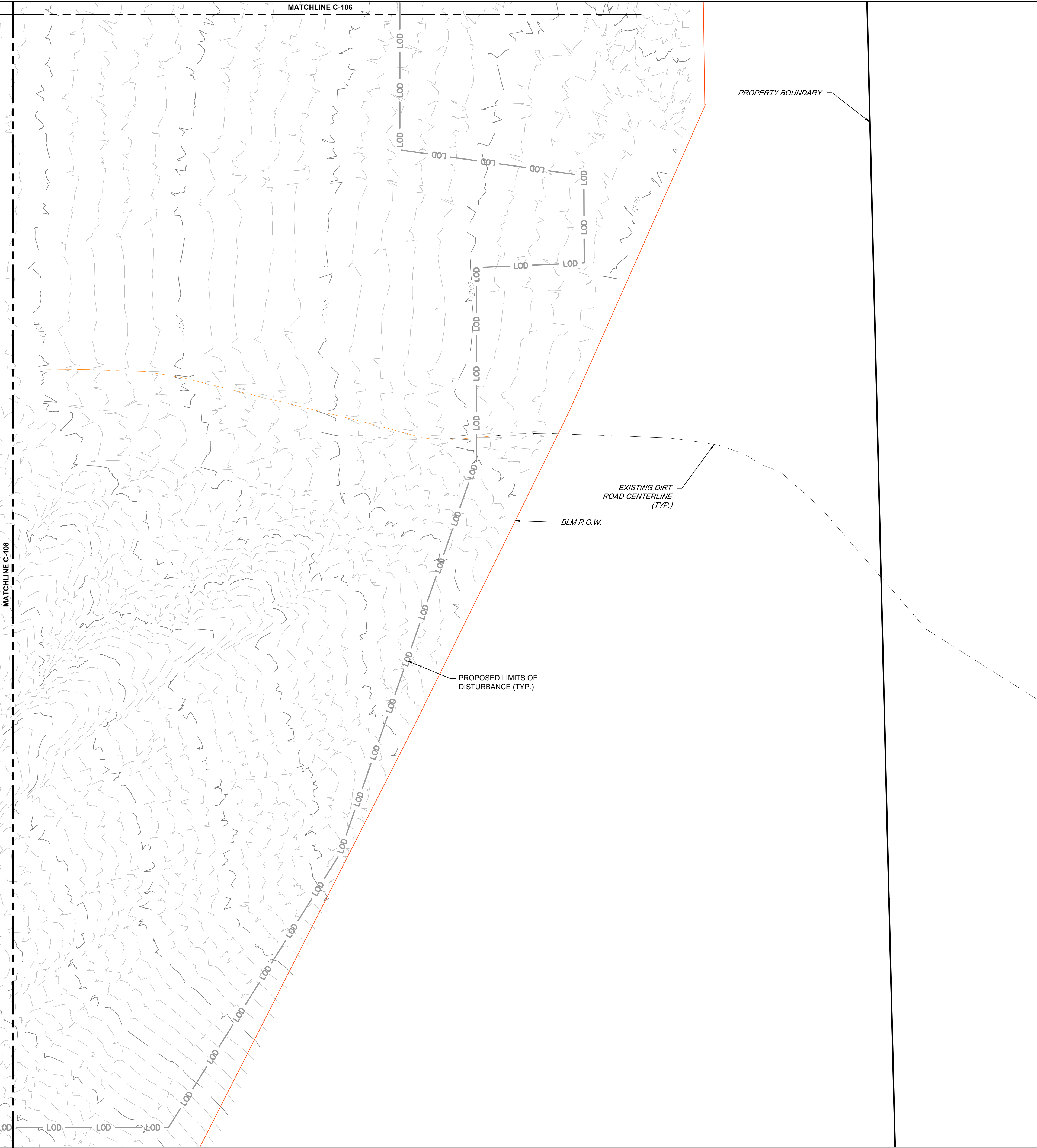
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A	30% CIVIL DESIGN PLANS	07/21/2023	MG	MB	LB
B	REVISED 30% CIVIL DESIGN	08/08/2023	MG	MB	LB

Project name: SODA MOUNTAIN SOLAR PROJECT
Project Address: SAN BERNARDINO COUNTY, BAKER, CA 92309
35.150692° N, 116.177542° W

START DATE: 08/08/2023
DRAWN BY: MG
ENGINEER: JB
APPROVED BY: LB
SHEET TITLE:

EXISTING
CONDITIONS &
DEMOLITION PLAN

SHEET NO.: C-105



LEGEND

- EXISTING MAJOR CONTOUR (5')
- EXISTING MINOR CONTOUR (1')
- EXISTING PROPERTY LINE
- EXISTING BLM ROW
- EXISTING WETLANDS
- EXISTING DIRT ROAD CENTERLINE
- EXISTING EASEMENT
- EXISTING CALTRANS RIGHT-OF-WAY
- EXISTING WETLAND BUFFER
- EXISTING CALTRANS ROADWAY
- EXISTING OVERHEAD
- EXISTING OVERHEAD OFFSET
- EXISTING ROAD
- PROPOSED LIMIT OF DISTURBANCE
- EXISTING DIRT ROAD CENTERLINE TO BE REMOVED

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TEL +949 748 5996
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PE SEAL

PRELIMINARY

THE INFORMATION CONTAINED HEREIN IS FOR PRELIMINARY USE ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FOR THE PROJECT.

DRAWING ISSUE	
<input checked="" type="checkbox"/> Preliminary	
<input type="checkbox"/> Customer Approval	
<input type="checkbox"/> Permitting	
<input type="checkbox"/> Construction	
<input type="checkbox"/> As-built	
<input type="checkbox"/> Other	

DATE	DWRN	CHKD	APVD
07/21/2023	MG	MB	LB
08/08/2023	MG	MB	LB

REV	DESCRIPTION	30% CIVIL DESIGN PLANS	REVISED 30% CIVIL DESIGN
A			
B			

Project name: SODA MOUNTAIN SOLAR PROJECT

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EXISTING
CONDITIONS &
DEMOLITION PLAN

SHEET NO.: C-109

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