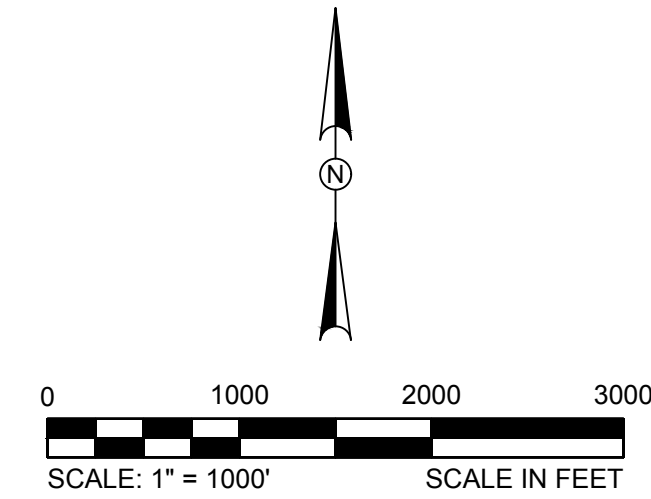
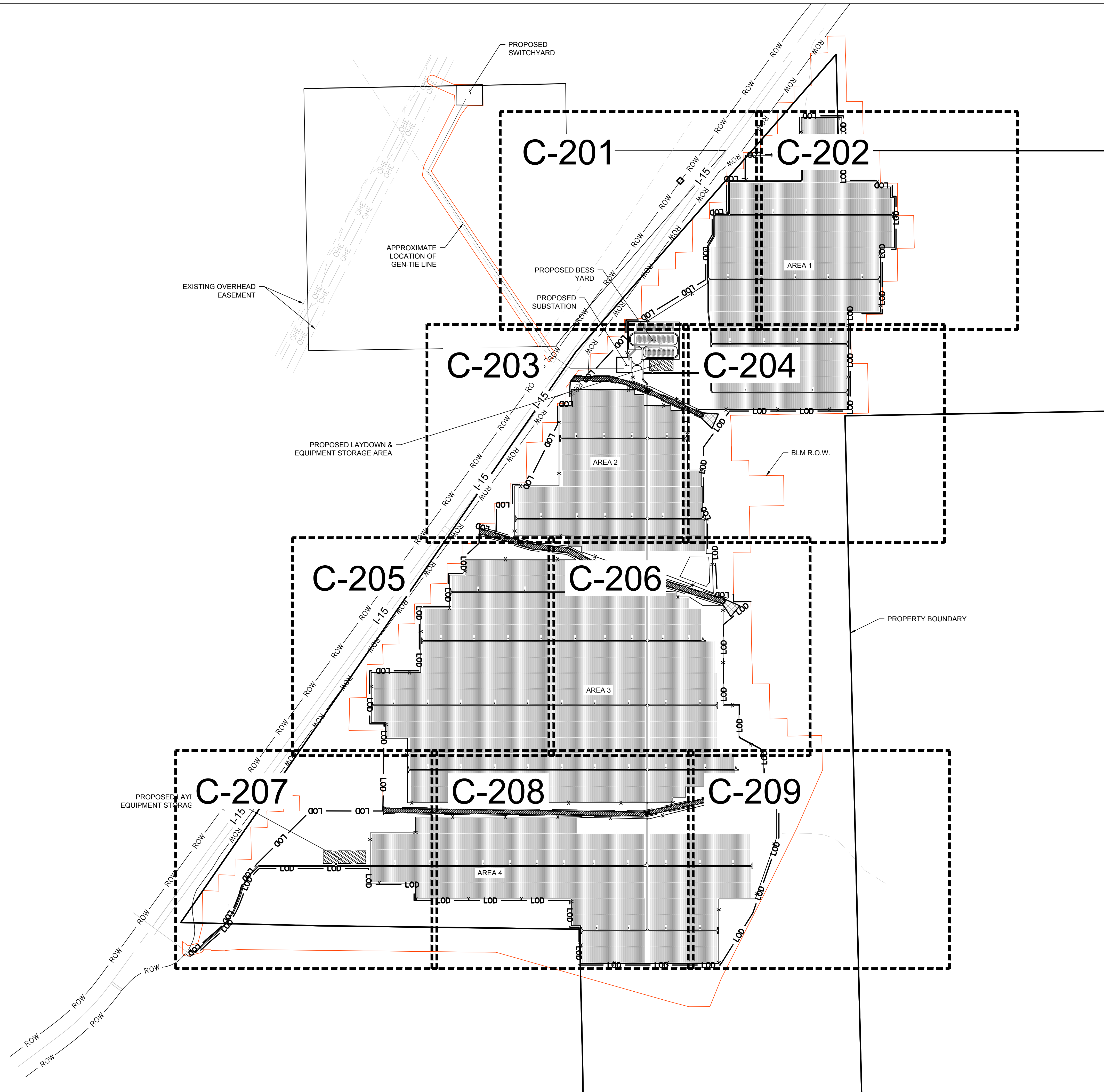


DOCKETED	
Docket Number:	24-OPT-03
Project Title:	Soda Mountain Solar
TN #:	257915
Document Title:	Appendix A3 Engineering Generation Facility Description, Design and Operation
Description:	Appendix A contains information on facility and transmission design, reliability, efficiency and 30% Civil Design Plans. (Part 3 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



LEGEND

	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING WETLAND BUFFER
	EXISTING CALTRANS ROADWAY
	EXISTING OVERHEAD
	EXISTING OVERHEAD OFFSET
	EXISTING ROAD
	TRACKER
	INVERTER
	PROPOSED FENCE
	EXISTING LIMIT OF DISTURBANCE
	LAYDOWN YARD

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DRAWING ISSUE	
☒	Preliminary
☐	Customer Approval
☐	Permitting
☐	Construction
☐	As-built
☐	Other

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

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

Project name:
SODA MOUNTAIN SOLAR PROJECT

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

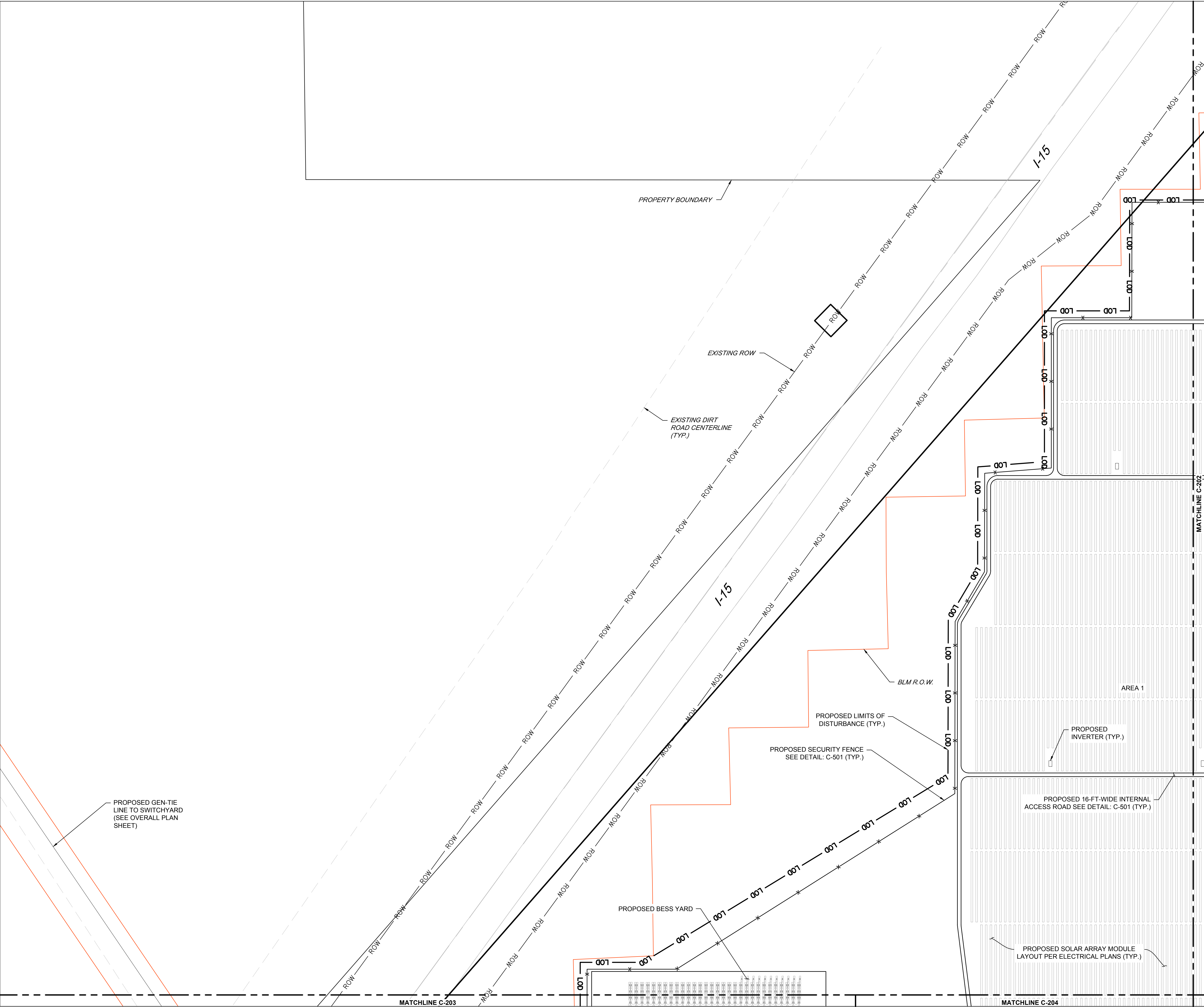
START DATE:	08/08/2023
DRAWN BY:	MG
ENGINEER:	JB
APPROVED BY:	LB
SHEET TITLE:	

OVERALL SITE PLAN

SHEET NO.:
C-200

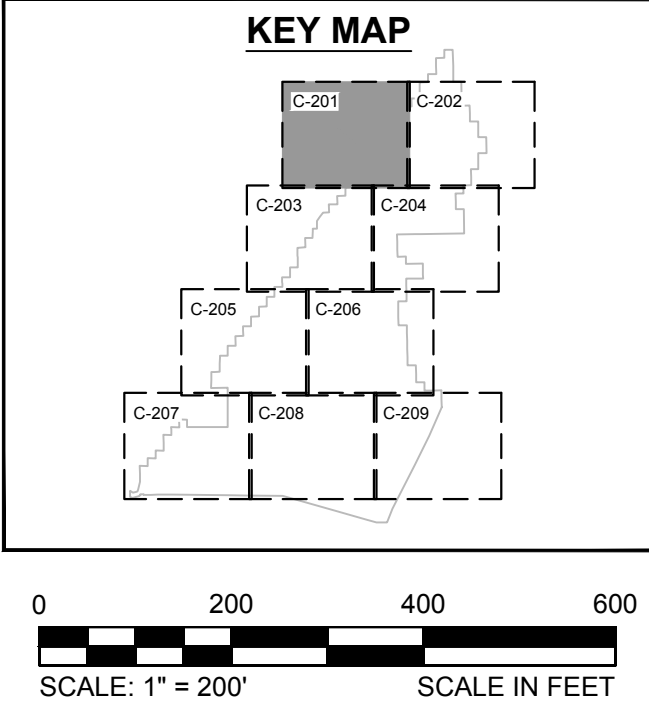
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CA LICENSE # 467252



LEGEND

	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING WETLAND BUFFER
	EXISTING CALTRANS ROADWAY
	EXISTING OVERHEAD
	EXISTING OVERHEAD OFFSET
	EXISTING ROAD
	TRACKER
	INVERTER
	PROPOSED FENCE
	EXISTING LIMIT OF DISTURBANCE
	LAYDOWN YARD



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DRAWING ISSUE

☒	Preliminary
☐	Customer Approval
☐	Permitting
☐	Construction
☐	As-built
☐	Other

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

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

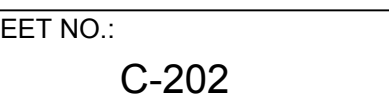
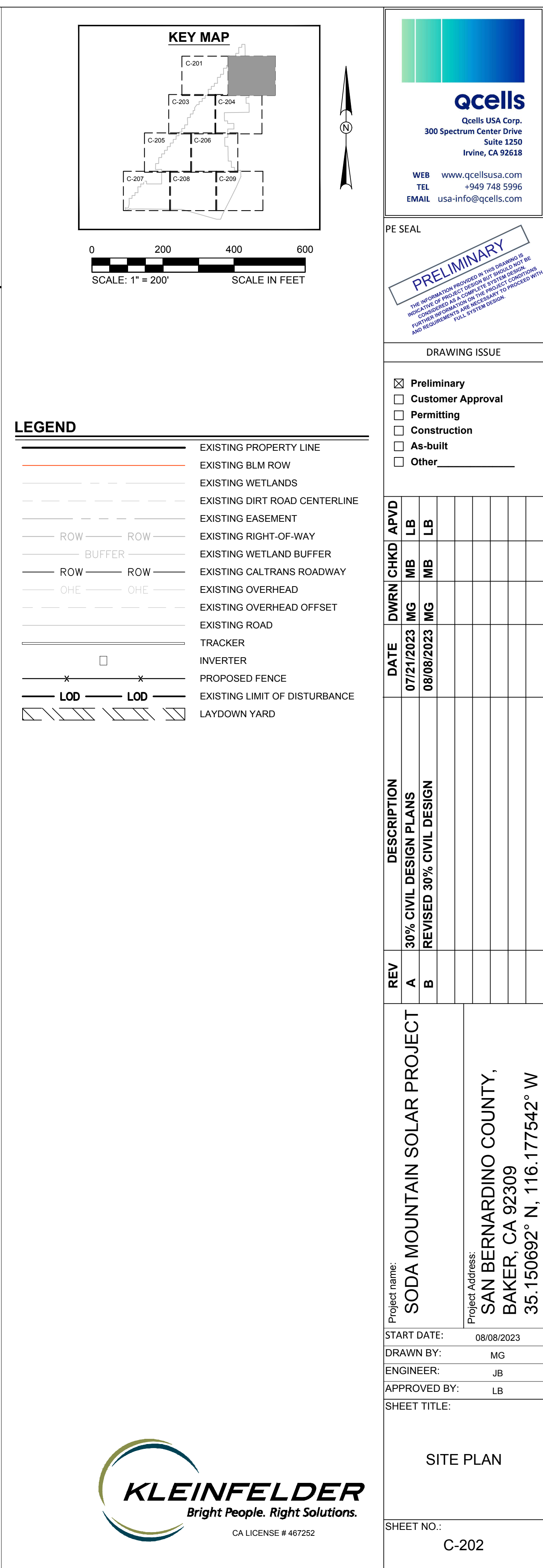
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SHEET TITLE: SITE PLAN

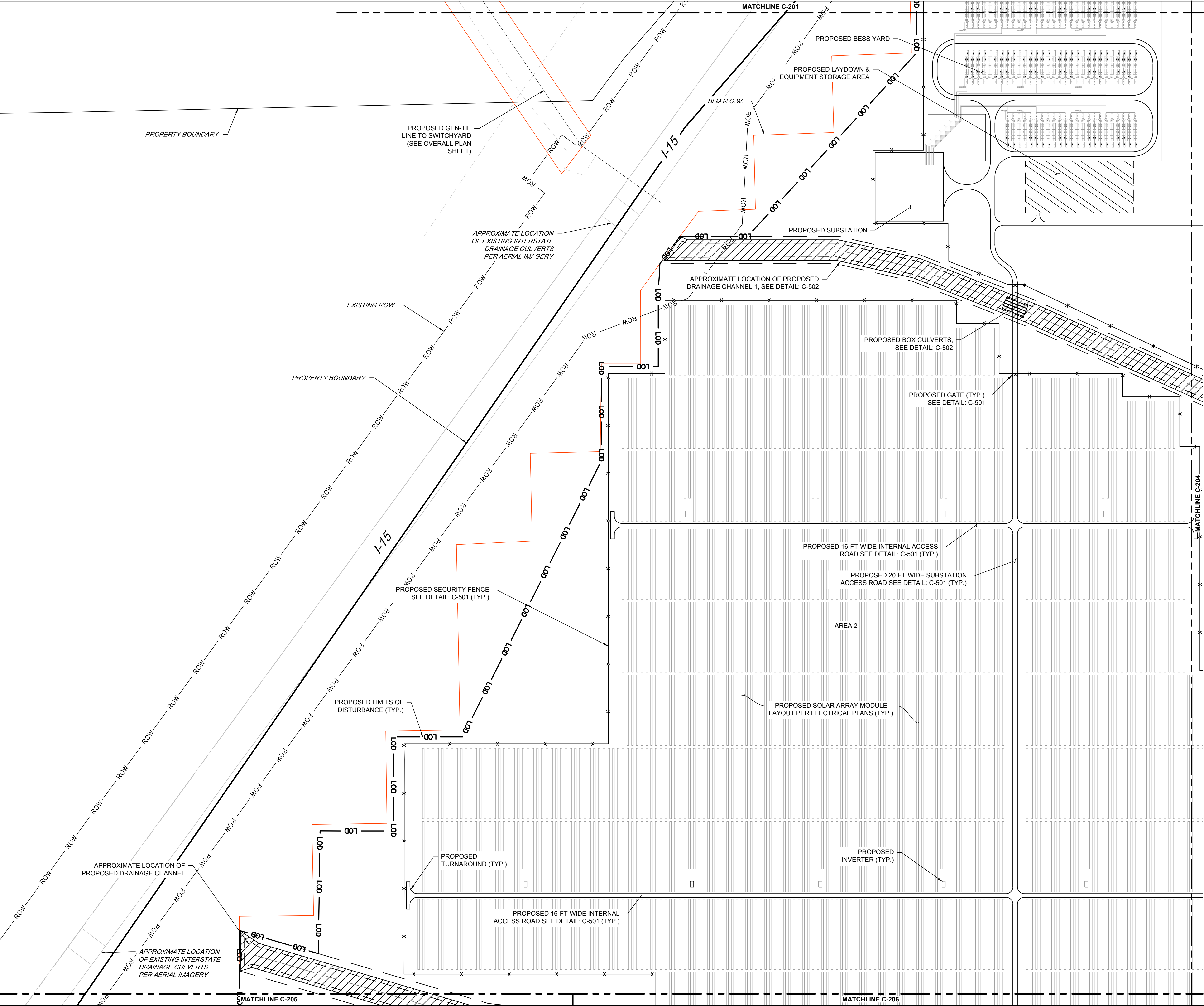
SHEET NO.: C-201

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CA LICENSE # 467252



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CA LICENSE # 467252



KEY MAP

0 200 400 600

SCALE: 1" = 200'

SCALE IN FEET

LEGEND

	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING WETLAND BUFFER
	EXISTING CALTRANS ROADWAY
	EXISTING OVERHEAD
	EXISTING OVERHEAD OFFSET
	EXISTING ROAD
	TRACKER
	INVERTER
	PROPOSED FENCE
	EXISTING LIMIT OF DISTURBANCE
	LAYDOWN YARD

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DRAWING ISSUE

☒	Preliminary
☐	Customer Approval
☐	Permitting
☐	Construction
☐	As-built
☐	Other

REV	DESCRIPTION	DATE	DWRN	CHKD	APVD
A	30% CIVIL DESIGN PLANS	07/21/2023	MG	LB	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

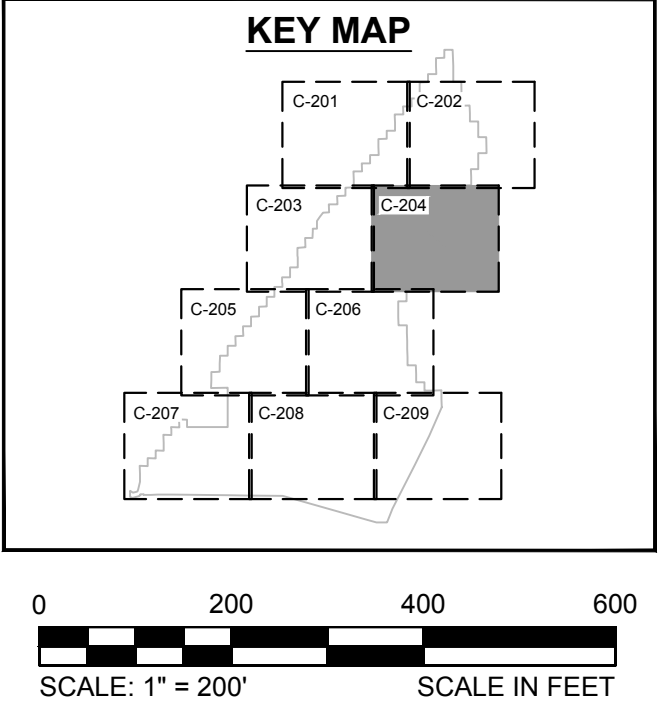
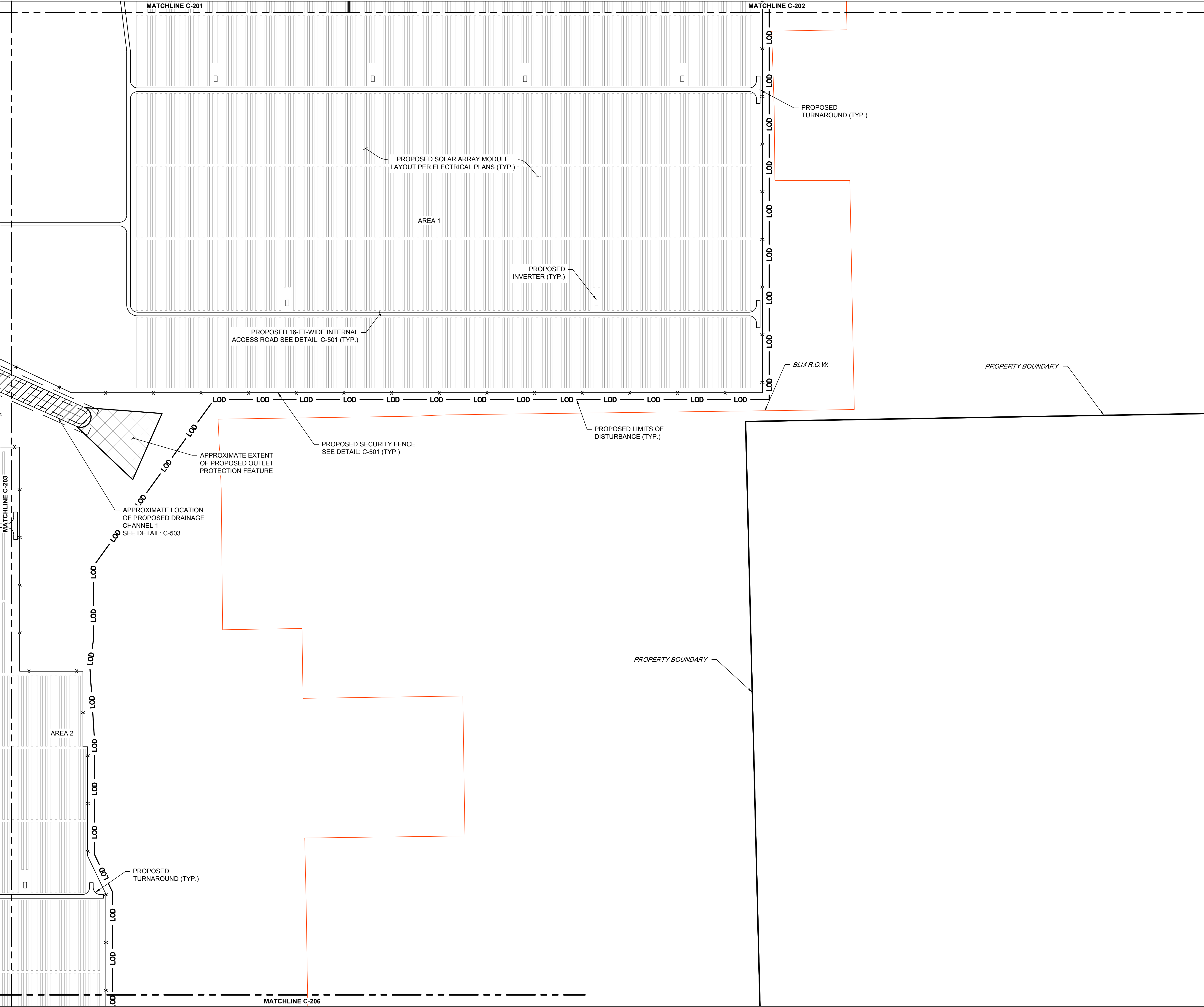
APPROVED BY: LB

SHEET TITLE: SITE PLAN

SHEET NO.: C-203

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CA LICENSE: # 467252



LEGEND	
	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING WETLAND BUFFER
	EXISTING CALTRANS ROADWAY
	EXISTING OVERHEAD
	EXISTING OVERHEAD OFFSET
	EXISTING ROAD
	TRACKER
	INVERTER
	PROPOSED FENCE
	EXISTING LIMIT OF DISTURBANCE
	LAYDOWN YARD

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DRAWING ISSUE	
☒	Preliminary
☐	Customer Approval
☐	Permitting
☐	Construction
☐	As-built
☐	Other

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

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

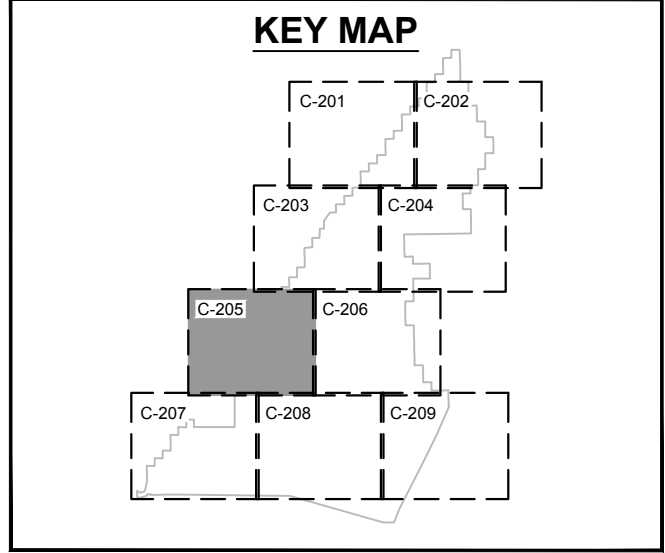
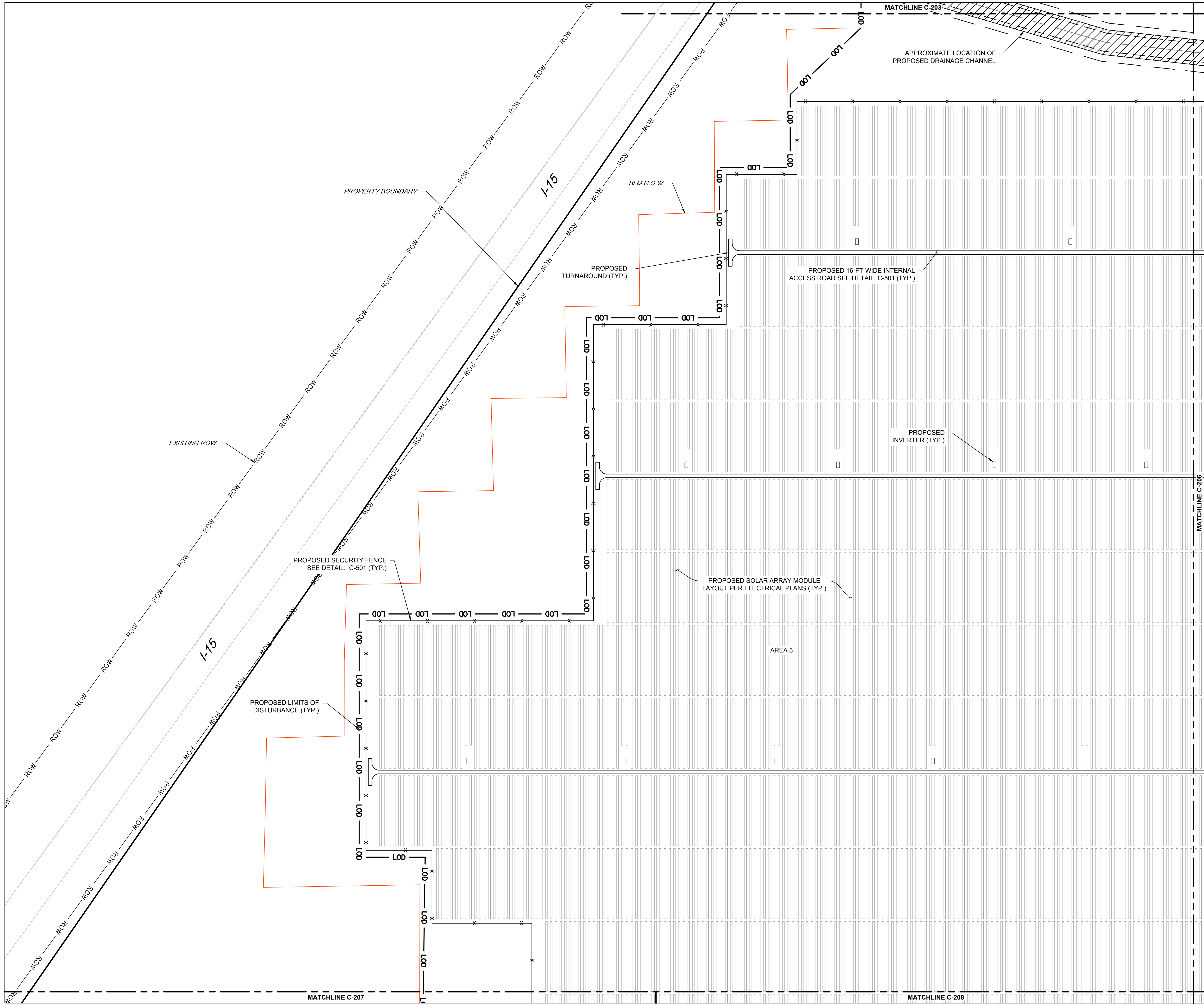
SHEET TITLE:

SITE PLAN

SHEET NO.: C-204

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CA LICENSE # 467252



LEGEND

- EXISTING PROPERTY LINE
- EXISTING BLM ROW
- EXISTING WETLANDS
- EXISTING DIRT ROAD CENTERLINE
- EXISTING EASEMENT
- EXISTING RIGHT-OF-WAY
- EXISTING WETLAND BUFFER
- EXISTING CALTRANS ROADWAY
- EXISTING OVERHEAD
- EXISTING OVERHEAD OFFSET
- EXISTING ROAD
- TRACKER
- INVERTER
- PROPOSED FENCE
- EXISTING LIMIT OF DISTURBANCE
- LAYDOWN YARD



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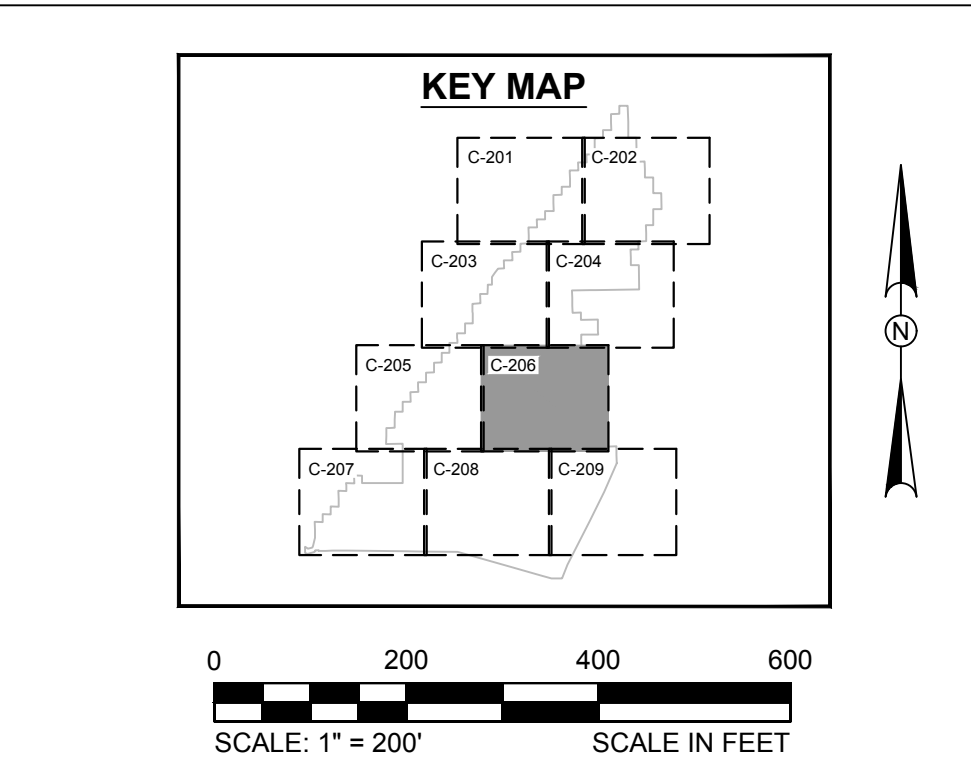
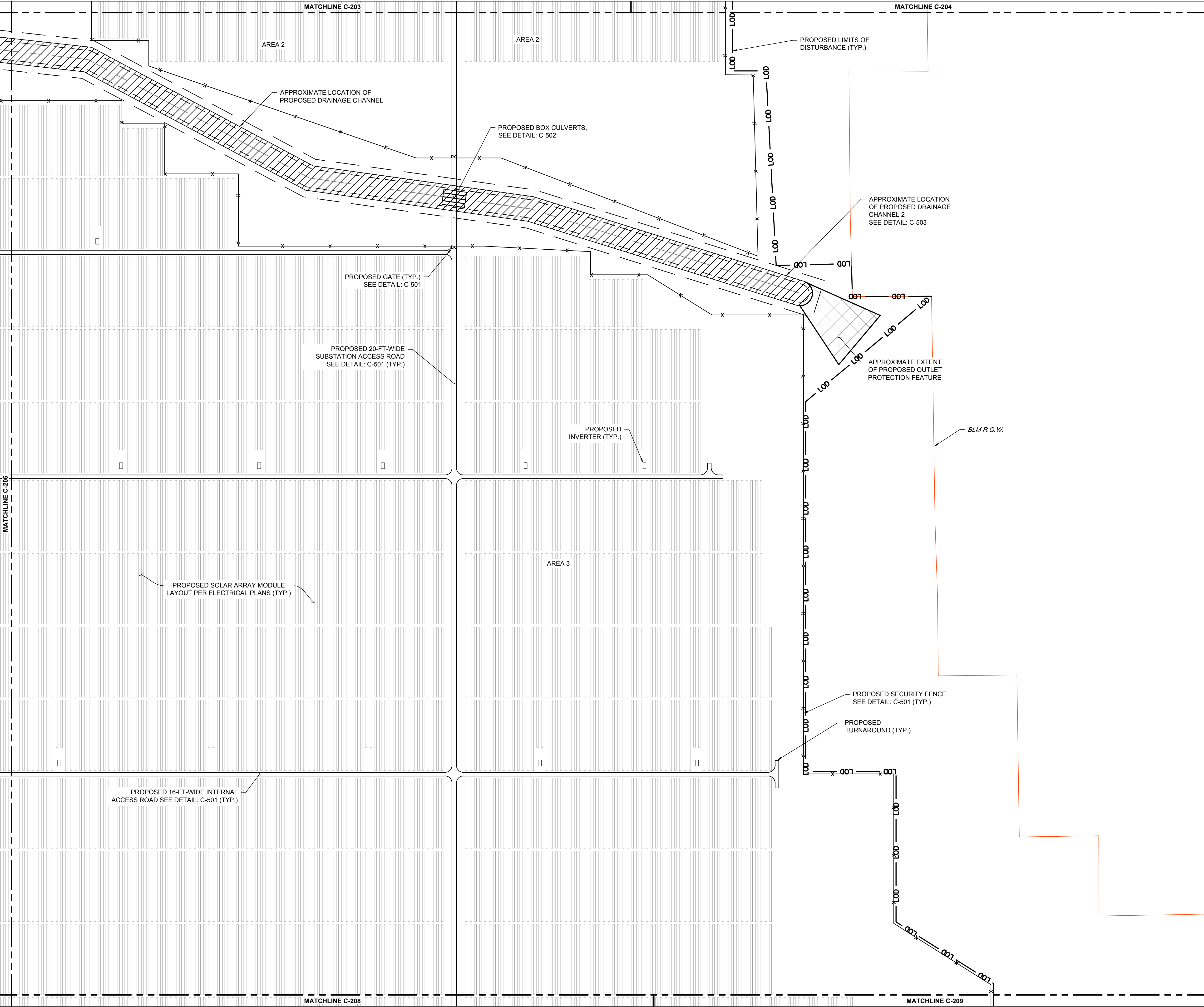
- DRAWING ISSUE
- ☒ Preliminary
 - ☐ Customer Approval
 - ☐ Permitting
 - ☐ Construction
 - ☐ As-built
 - ☐ Other

REV	DATE	DWRN	CHKD	APVD	DESCRIPTION
A	07/21/2023	MG	MB	LB	30% CIVIL DESIGN PLANS
B	08/08/2023	MG	MB	LB	REVISED 30% CIVIL DESIGN

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:

SITE PLAN
SHEET NO.: C-205



LEGEND	
	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING WETLAND BUFFER
	EXISTING CALTRANS ROADWAY
	EXISTING OVERHEAD
	EXISTING OVERHEAD OFFSET
	EXISTING ROAD
	TRACKER
	INVERTER
	PROPOSED FENCE
	EXISTING LIMIT OF DISTURBANCE
	LAYDOWN YARD

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DRAWING ISSUE	
LEGEND	
☒	Preliminary
☐	Customer Approval
☐	Permitting
☐	Construction
☐	As-built
☐	Other

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

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

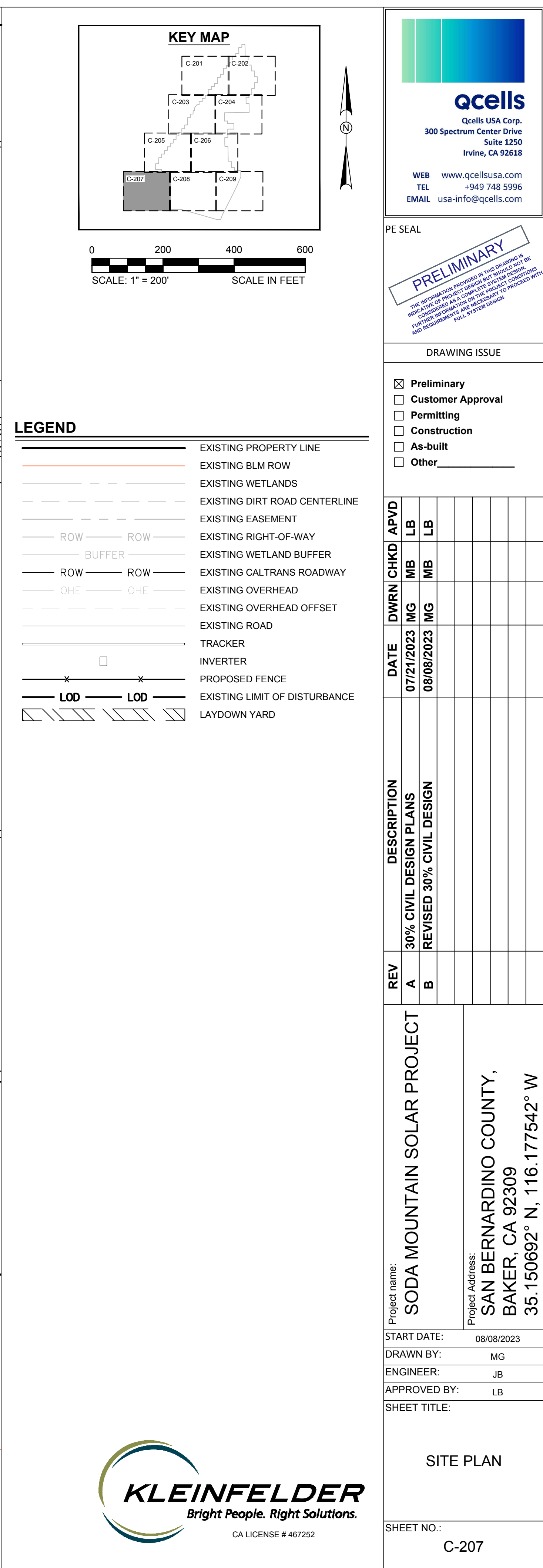
SHEET TITLE:

SITE PLAN

SHEET NO.: C-206

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CA LICENSE # 467252

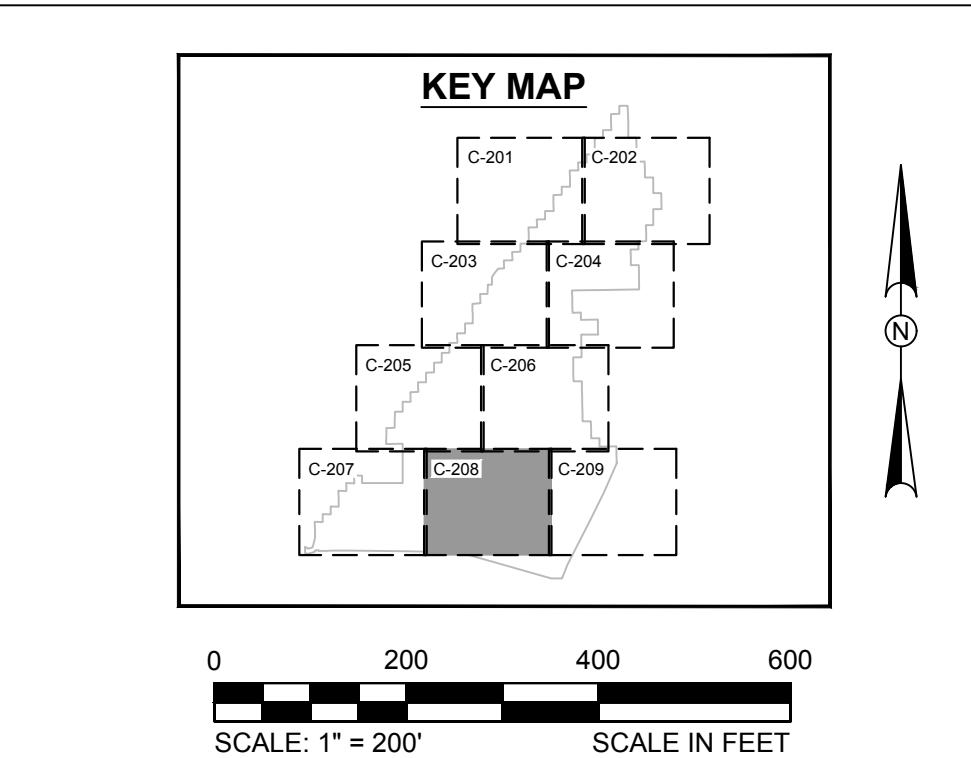
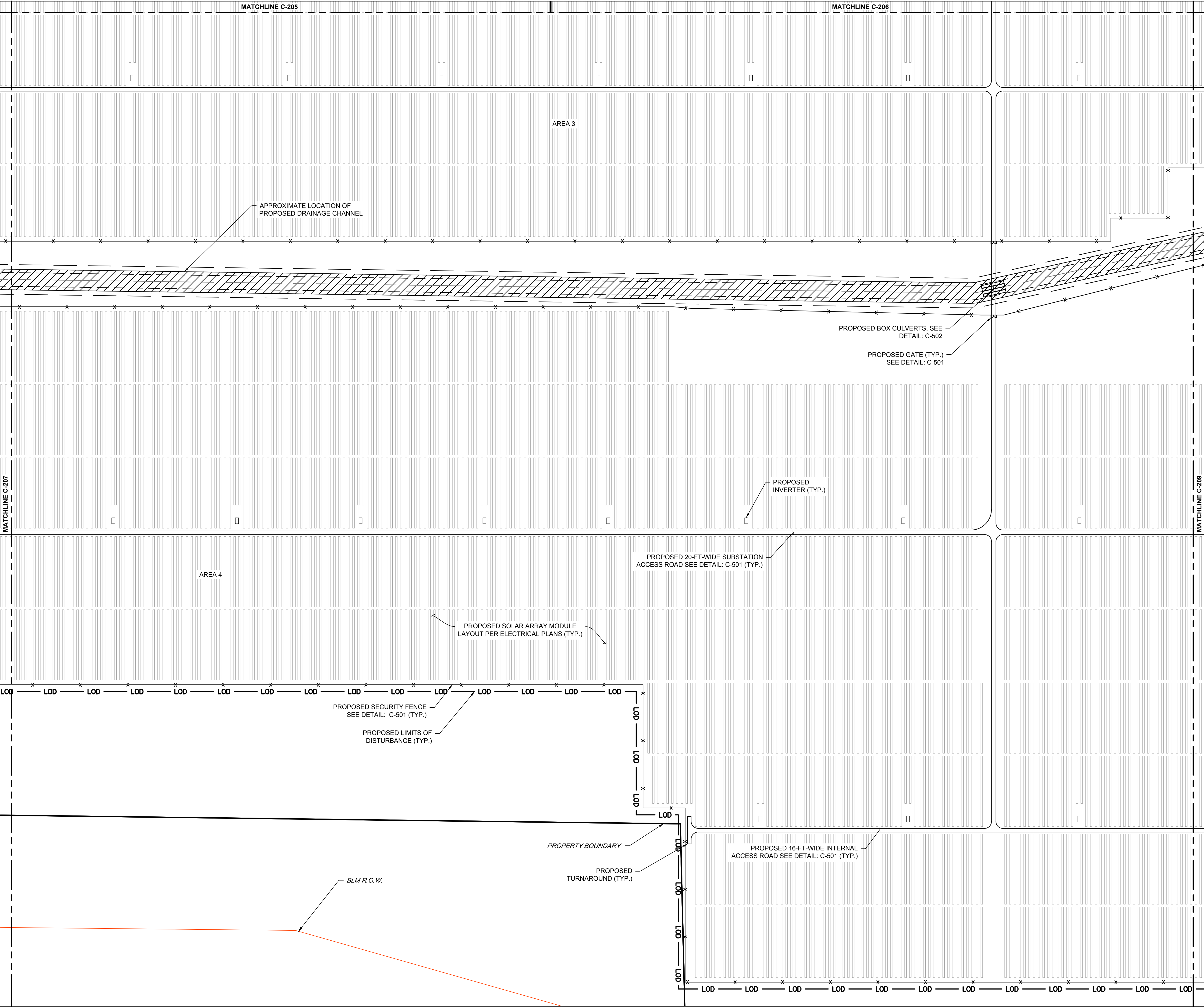


SITE PLAN

SHEET NO.: C-207



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 CA LICENSE # 467252



LEGEND	
	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING WETLAND BUFFER
	EXISTING CALTRANS ROADWAY
	EXISTING OVERHEAD
	EXISTING OVERHEAD OFFSET
	EXISTING ROAD
	TRACKER
	INVERTER
	PROPOSED FENCE
	EXISTING LIMIT OF DISTURBANCE
	LAYDOWN YARD

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DRAWING ISSUE	
☒ Preliminary	
☐ Customer Approval	
☐ Permitting	
☐ Construction	
☐ As-built	
☐ Other	

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

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:

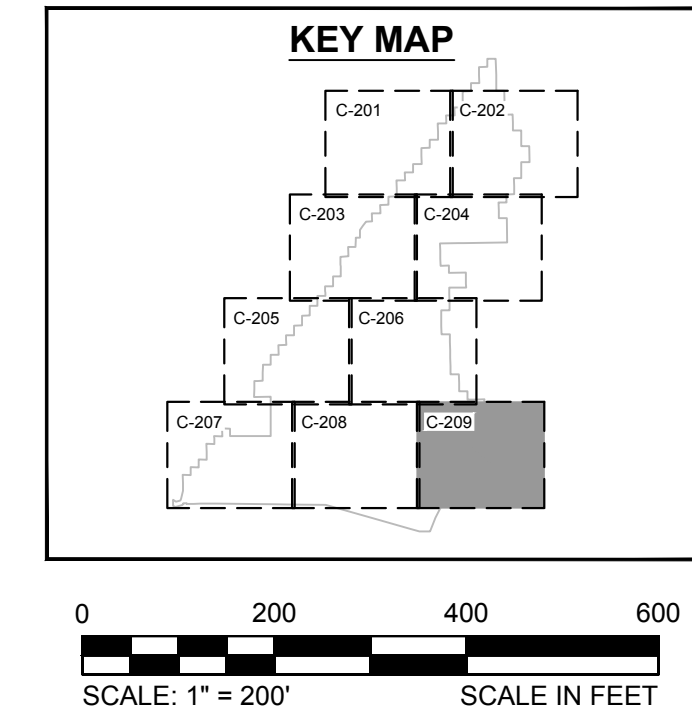
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SITE PLAN

SHEET NO.:

C-208



The diagram illustrates the proposed right-of-way and easement lines for a road project. It shows a cross-section of the road with various lines and labels. The labels on the right side of the diagram are: EXISTING PROPERTY LINE, EXISTING BLM ROW, EXISTING WETLANDS, EXISTING DIRT ROAD CENTERLINE, EXISTING EASEMENT, EXISTING RIGHT-OF-WAY, EXISTING WETLAND BUFFER, EXISTING CALTRANS ROADWAY, EXISTING OVERHEAD, EXISTING OVERHEAD OFFSET, TRACKER, INVERTER, PROPOSED FENCE, EXISTING LIMIT OF DISTURBANCE, and LAYDOWN YARD. The diagram includes a solid red line for the existing property line, a dashed red line for the existing BLM ROW, a dashed line for the existing wetlands, a dashed line for the existing dirt road centerline, a dashed line for the existing easement, a solid line for the existing right-of-way, a solid line for the existing wetland buffer, a solid line for the existing Caltrans roadway, a solid line for the existing overhead, a solid line for the existing overhead offset, a solid line for the tracker, a solid line for the inverter, a solid line for the proposed fence, a solid line for the existing limit of disturbance, and a solid line for the laydown yard. The diagram also shows a cross-section of the road with a centerline, a shoulder, and a laydown yard. The labels 'ROW' and 'LOD' are used to indicate the right-of-way and limit of disturbance lines. The label 'BUFFER' is used to indicate the wetland buffer. The label 'FENCE' is used to indicate the proposed fence line. The label 'DISTURBANCE' is used to indicate the existing limit of disturbance. The label 'LAYDOWN YARD' is used to indicate the laydown yard. The diagram is a technical drawing showing the proposed right-of-way and easement lines for a road project.

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

Project name: SODA MOUNTAIN SOLAR PROJECT

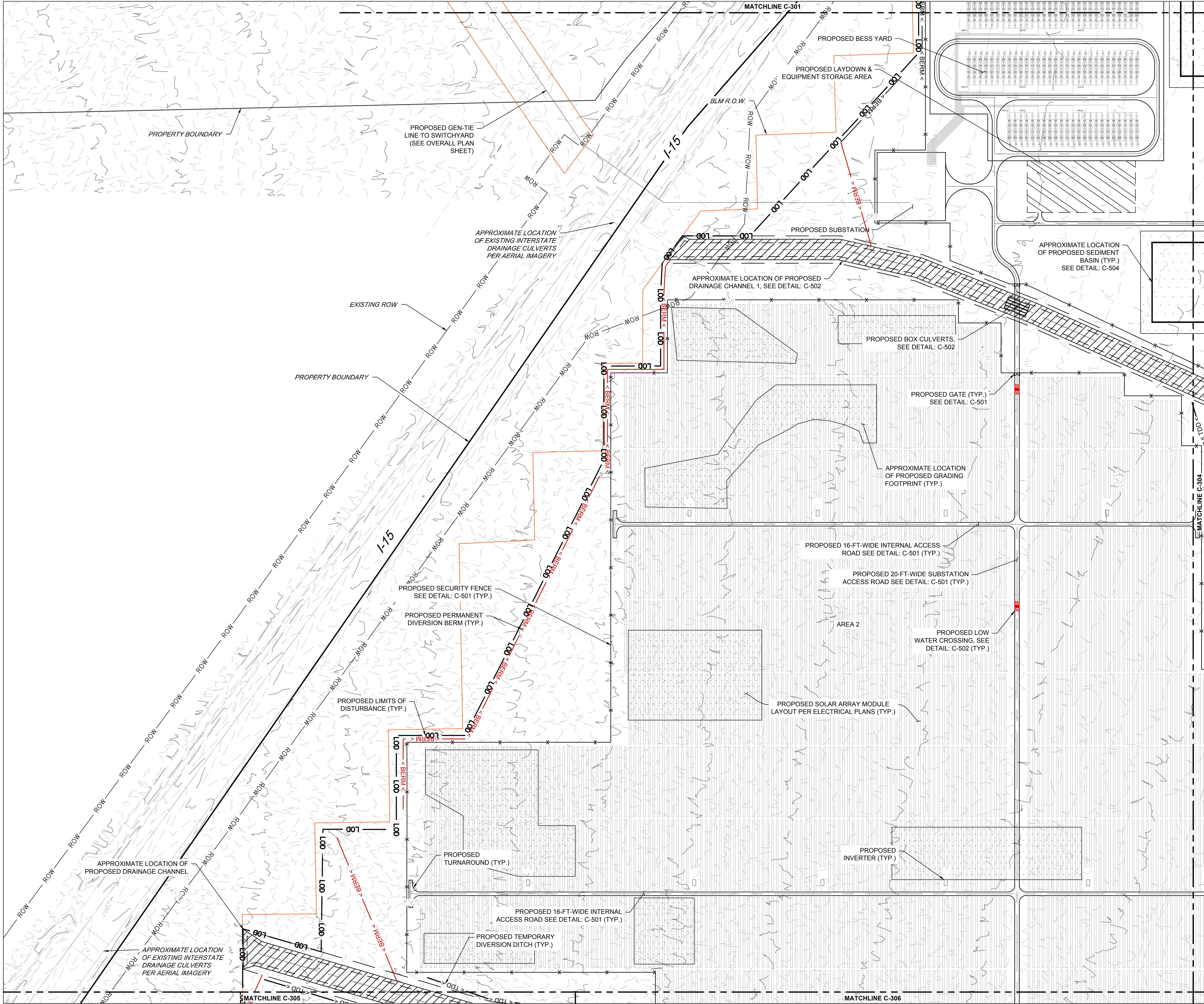
Project Address: SAN BERNARDINO COUNTY,
BAKER, CA 92309
35.150692° N, 116.177542° W

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

SITE PLAN

SHEET NO.:
C-209





KEY MAP

0 200 400 600

SCALE: 1" = 200'

SCALE IN FEET

LEGEND

---	EXISTING MAJOR CONTOUR (5')
---	EXISTING MINOR CONTOUR (1')
---	EXISTING PROPERTY LINE
---	EXISTING BLM ROW
---	EXISTING WETLANDS
---	EXISTING DIRT ROAD CENTERLINE
---	EXISTING EASEMENT
---	EXISTING RIGHT-OF-WAY
---	EXISTING WETLAND BUFFER
---	EXISTING CALTRANS ROADWAY
---	EXISTING OVERHEAD
---	EXISTING OVERHEAD OFFSET
---	EXISTING ROAD
---	TRACKER
---	INVERTER
---	PROPOSED LIMIT OF DISTURBANCE
---	PROPOSED TEMPORARY DIVERSION DITCH
---	PROPOSED TEMPORARY DIVERSION BERM
---	PROPOSED PERMANENT DIVERSION BERM
---	PROPOSED FENCE
---	PROPOSED FIBER ROLL
---	PROPOSED LOW WATER CROSSING
---	APPROXIMATE SEDIMENT BASIN LOCATION
---	PROPOSED GRADING LIMITS

SEDIMENT BASIN NOTE:

SEE PLANS FOR RECOMMENDED SEDIMENT BASIN LOCATIONS. THESE ARE BEING SHOWN FOR ILLUSTRATION PURPOSES IN AN EFFORT TO COMPLY WITH LOCAL AND STATE DESIGN REQUIREMENTS. ADDITIONAL COORDINATION WITH THE AUTHORITY HAVING JURISDICTION (AHJ) IS RECOMMENDED TO CONFIRM DESIGN APPROACH. STAGING OF CONSTRUCTION ACTIVITIES AND/OR LAYOUT MODIFICATIONS MAY BE REQUIRED TO ACCOMMODATE THE SEDIMENT BASIN LOCATIONS FOR COMPLIANCE WITH THE DESIGN REQUIREMENTS. PERMANENT REQUIREMENTS FOR SEDIMENT BASINS ARE PENDING THE FINAL PRE-CONSTRUCTION VS. POST-CONSTRUCTION HYDROLOGY ANALYSIS.

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DRAWING ISSUE

☒	Preliminary
☐	Customer Approval
☐	Permitting
☐	Construction
☐	As-built
☐	Other

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

Project name: SODA MOUNTAIN SOLAR PROJECT

Project Address: SAN BERNARDINO COUNTY, BAKER, CA 92309
35.150892° N, 116.177542° W

START DATE: 08/08/2023

DRAWN BY: MG

ENGINEER: JB

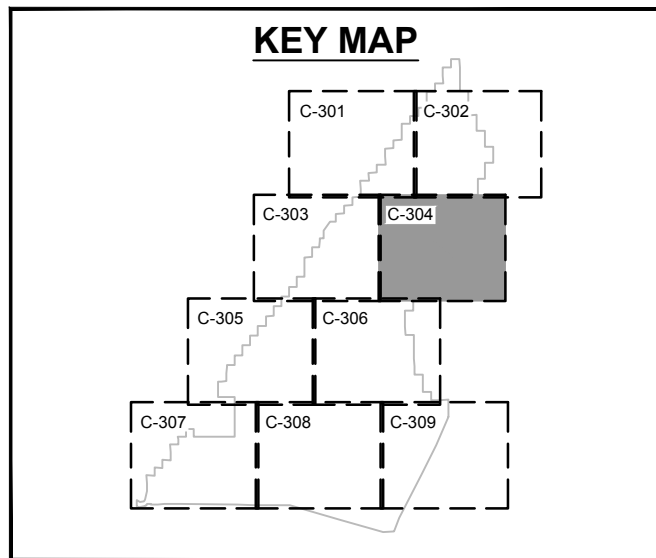
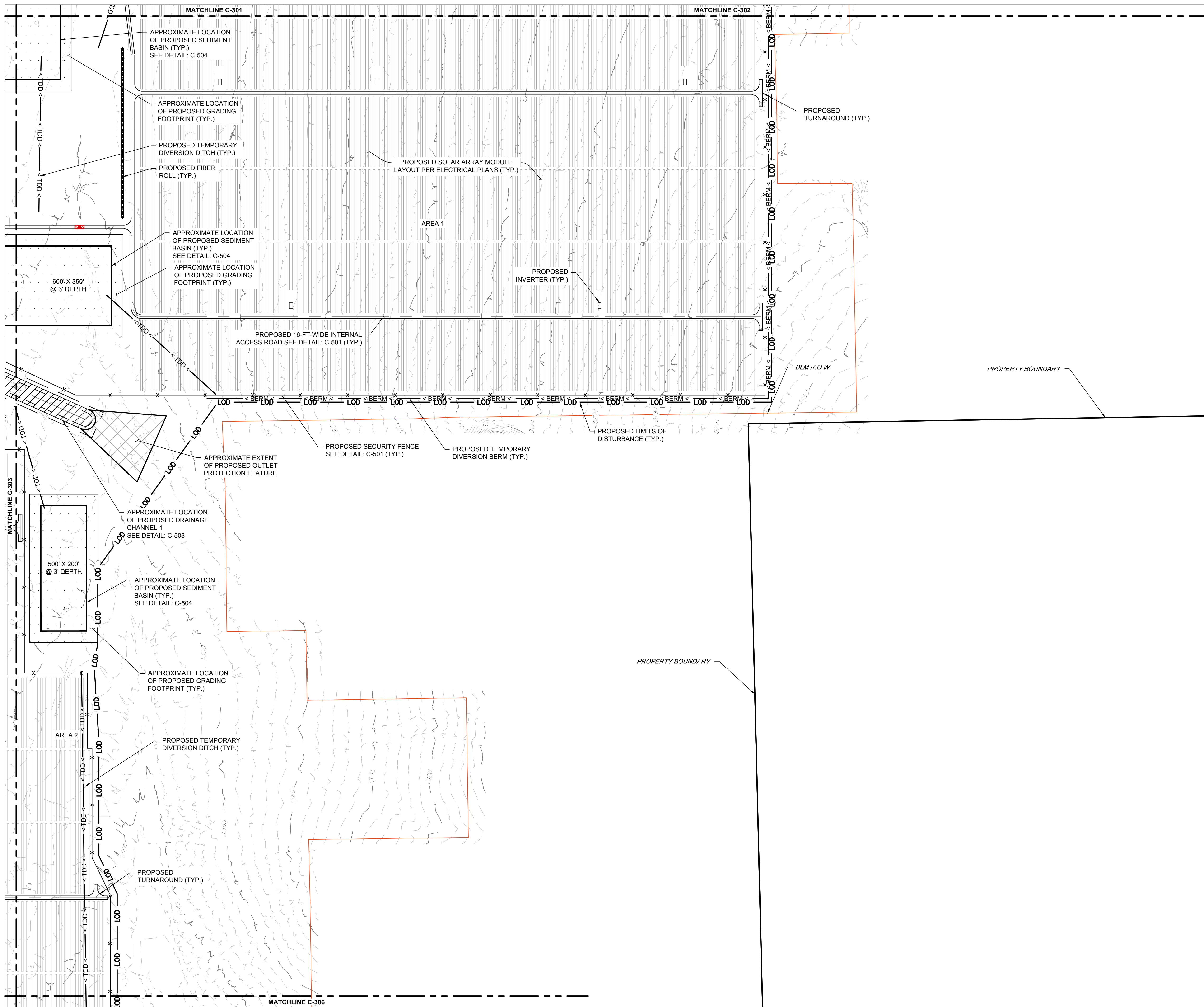
APPROVED BY: LB

SHEET TITLE: GRADING, DRAINAGE, & EROSION CONTROL PLAN

SHEET NO.: C-303

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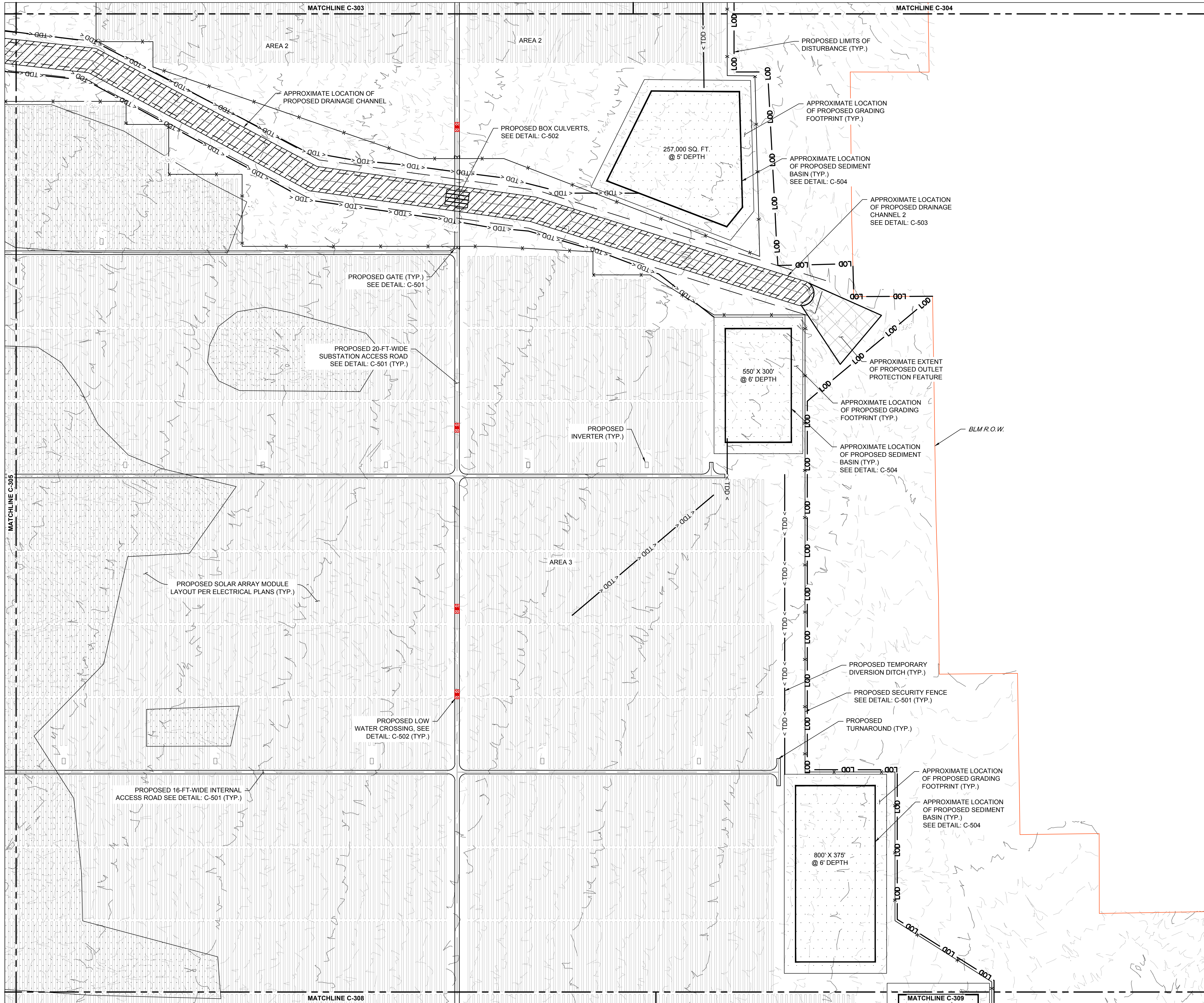
0 200 400 600
SCALE: 1" = 200' SCALE IN FEET

LEGEND	SCALE: 1" = 200'	SCALE: 1" = 100'
	325	EXISTING MAJOR CONTOUR (5')
	324	EXISTING MINOR CONTOUR (1')
		EXISTING PROPERTY LINE
		EXISTING BLM ROW
		EXISTING WETLANDS
		EXISTING DIRT ROAD CENTERLINE
		EXISTING EASEMENT
ROW		EXISTING RIGHT-OF-WAY
BUFFER		EXISTING WETLAND BUFFER
ROW		EXISTING CALTRANS ROADWAY
OHE		EXISTING OVERHEAD
		EXISTING OVERHEAD OFFSET
		EXISTING ROAD
		TRACKER
		INVERTER
LOD		PROPOSED LIMIT OF DISTURBANCE
< TDD <		PROPOSED TEMPORARY DIVERSION DITCH
< BERM <		PROPOSED TEMPORARY DIVERSION BERM
< BERM <		PROPOSED PERMANENT DIVERSION BERM
		PROPOSED FENCE
		PROPOSED FIBER ROLL
		PROPOSED LOW WATER CROSSING
		APPROXIMATE SEDIMENT BASIN LOCATION
		PROPOSED GRADING LIMITS

SEDIMENT BASIN NOTE:

SEE PLANS FOR RECOMMENDED SEDIMENT BASIN LOCATIONS. THESE ARE BEING SHOWN FOR ILLUSTRATION PURPOSES IN AN EFFORT TO COMPLY WITH LOCAL AND STATE DESIGN REQUIREMENTS. ADDITIONAL COORDINATION WITH THE AUTHORITY HAVING JURISDICTION (AHJ) IS RECOMMENDED TO CONFIRM DESIGN APPROACH. STAGING OF CONSTRUCTION ACTIVITIES AND/OR LAYOUT OF CONSTRUCTION MATERIALS SHOULD BE COORDINATED WITH THE SEDIMENT BASIN LOCATIONS FOR COMPLIANCE WITH THE DESIGN REQUIREMENTS. PERMANENT REQUIREMENTS FOR SEDIMENT BASINS ARE PENDING THE FINAL PRE-CONSTRUCTION VS. POST-CONSTRUCTION HYDROLOGY ANALYSIS.

[illegible]



KEY MAP

0 200 400 600

SCALE: 1" = 200'

SCALE IN FEET

LEGEND

---	EXISTING MAJOR CONTOUR (5')
---	EXISTING MINOR CONTOUR (1')
---	EXISTING PROPERTY LINE
---	EXISTING BLM ROW
---	EXISTING WETLANDS
---	EXISTING DIRT ROAD CENTERLINE
---	EXISTING EASEMENT
---	EXISTING RIGHT-OF-WAY
---	EXISTING WETLAND BUFFER
---	EXISTING CALTRANS ROADWAY
---	EXISTING OVERHEAD
---	EXISTING OVERHEAD OFFSET
---	EXISTING ROAD
---	TRACKER
---	INVERTER
---	PROPOSED LIMIT OF DISTURBANCE
---	PROPOSED TEMPORARY DIVERSION DITCH
---	PROPOSED TEMPORARY DIVERSION BERM
---	PROPOSED PERMANENT DIVERSION BERM
---	PROPOSED FENCE
---	PROPOSED FIBER ROLL
---	PROPOSED LOW WATER CROSSING
---	APPROXIMATE SEDIMENT BASIN LOCATION
---	PROPOSED GRADING LIMITS

SEDIMENT BASIN NOTE:

SEE PLANS FOR RECOMMENDED SEDIMENT BASIN LOCATIONS. THESE ARE BEING SHOWN FOR ILLUSTRATION PURPOSES IN AN EFFORT TO COMPLY WITH LOCAL AND STATE DESIGN REQUIREMENTS. ADDITIONAL COORDINATION WITH THE AUTHORITY HAVING JURISDICTION (AHJ) IS RECOMMENDED TO CONFIRM DESIGN APPROACH. STAGING OF CONSTRUCTION ACTIVITIES AND/OR LAYOUT MODIFICATIONS MAY BE REQUIRED TO ACCOMMODATE THE SEDIMENT BASIN LOCATIONS FOR COMPLIANCE WITH THE DESIGN REQUIREMENTS. PERMANENT REQUIREMENTS FOR SEDIMENT BASINS ARE PENDING THE FINAL PRE-CONSTRUCTION VS. POST-CONSTRUCTION HYDROLOGY ANALYSIS.



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PE SEAL

PRELIMINARY

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DRAWING ISSUE

☒	Preliminary
☐	Customer Approval
☐	Permitting
☐	Construction
☐	As-built
☐	Other

REV	DESCRIPTION	DATE	DWRN	CHKD	APVD
A	30% CIVIL DESIGN PLANS	07/21/2023	MG	LB	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
35.150892° N, 116.177542° W

START DATE: 08/08/2023

DRAWN BY: MG

ENGINEER: JB

APPROVED BY: LB

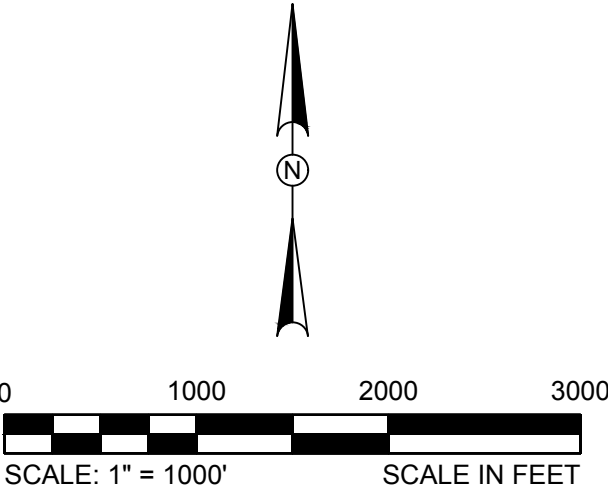
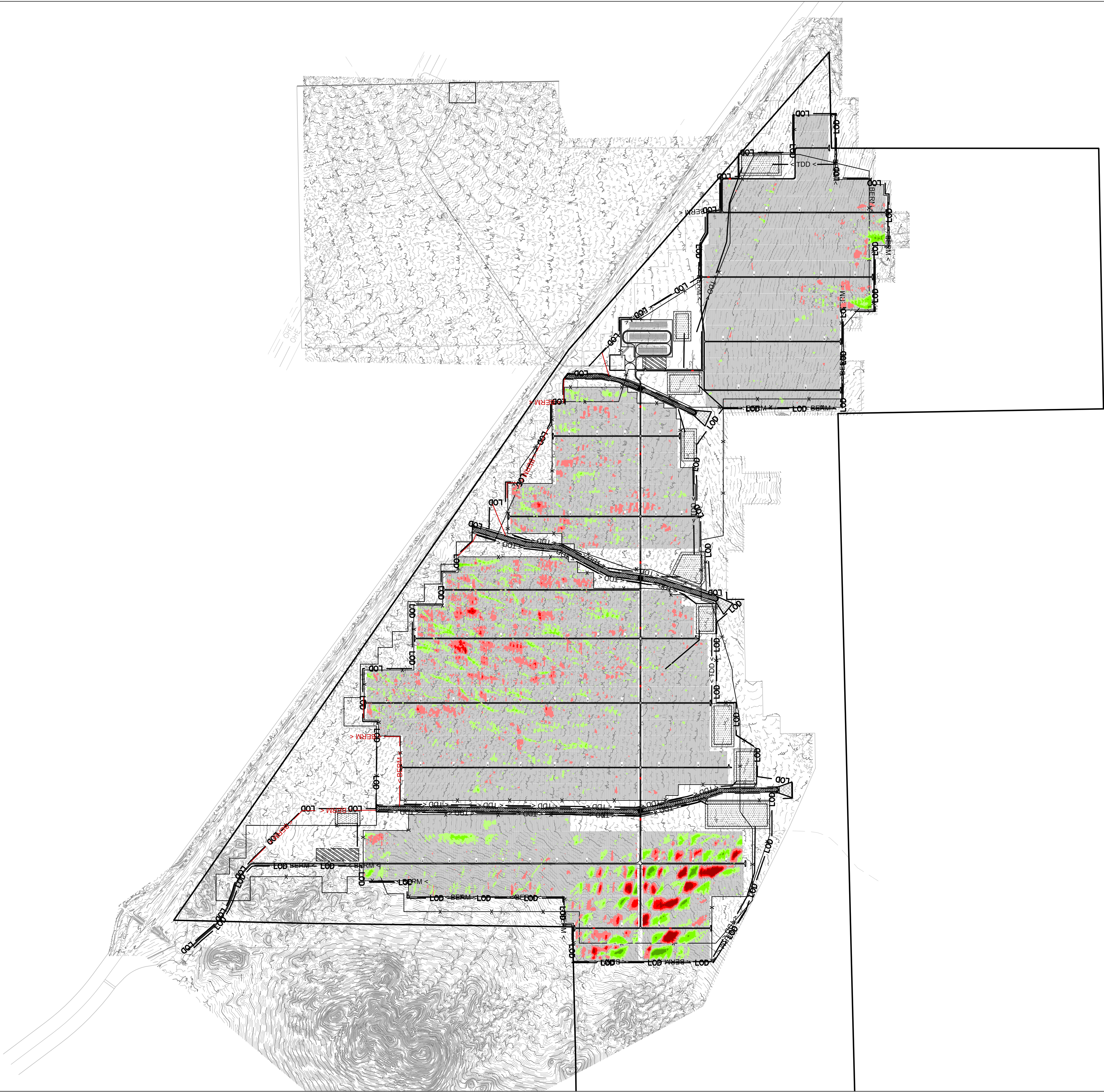
SHEET TITLE: GRADING, DRAINAGE, & EROSION CONTROL PLAN

SHEET NO.: C-306

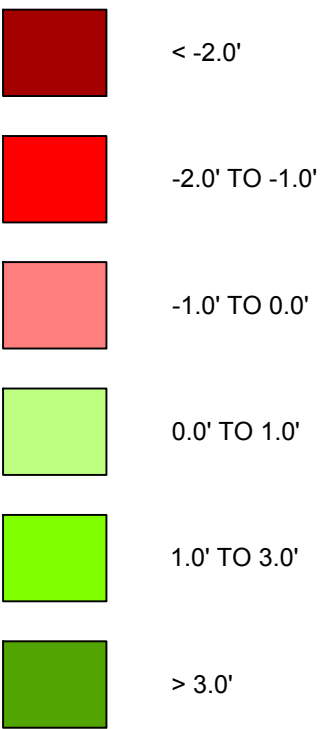


	EXISTING MAJOR CONTOUR (5')
	EXISTING MINOR CONTOUR (1')
	EXISTING PROPERTY LINE
	EXISTING BLM ROW
	EXISTING WETLANDS
	EXISTING DIRT ROAD CENTERLINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING WETLAND BUFFER
	EXISTING CALTRANS ROADWAY
	EXISTING OVERHEAD
	EXISTING OVERHEAD OFFSET
	EXISTING ROAD
	TRACKER
	TRACKER
	INVERTER
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED TEMPORARY DIVERSION
	DITCH
	PROPOSED TEMPORARY DIVERSION BERM
	PROPOSED PERMANENT DIVERSION BERM
	PROPOSED FENCE
	PROPOSED FIBER ROLL
	PROPOSED LOW WATER CROSSING
	APPROXIMATE SEDIMENT BASIN LOCATION
	PROPOSED GRADING LIMITS

SEE PLANS FOR RECOMMENDED SEDIMENT BASIN LOCATIONS. THESE ARE BEING SHOWN FOR ILLUSTRATION PURPOSES IN AN EFFORT TO COMPLY WITH LOCAL AND STATE DESIGN REQUIREMENTS. ADDITIONAL COORDINATION WITH THE AUTHORITY HAVING JURISDICTION (AHJ) IS RECOMMENDED TO CONFIRM DESIGN APPROACH, STAGING OF CONSTRUCTION ACTIVITIES AND/OR LAYOUT MODIFICATIONS MAY BE REQUIRED TO ACCOMMODATE THE SEDIMENT BASIN LOCATIONS FOR COMPLIANCE WITH THE DESIGN REQUIREMENTS. PERMANENT REQUIREMENTS FOR SEDIMENT BASINS ARE PENDING THE FINAL PRE-CONSTRUCTION VS. POST-CONSTRUCTION HYDROLOGY ANALYSIS.



LEGEND



NOTE:

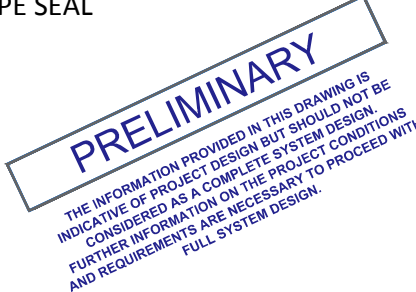
THE EARTHWORK ESTIMATES PROVIDED IN THE TABLE BELOW WERE DEVELOPED BY HANWHA QCELLS USA (HQC).

EARTHWORK ESTIMATES			
	CUT (CU. YDS)	FILL (CU. YDS)	NET (CU. YDS)
TOTAL ARRAY (VIA HQC)	71,000	91,000	20,000 (FILL)



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DRAWING ISSUE

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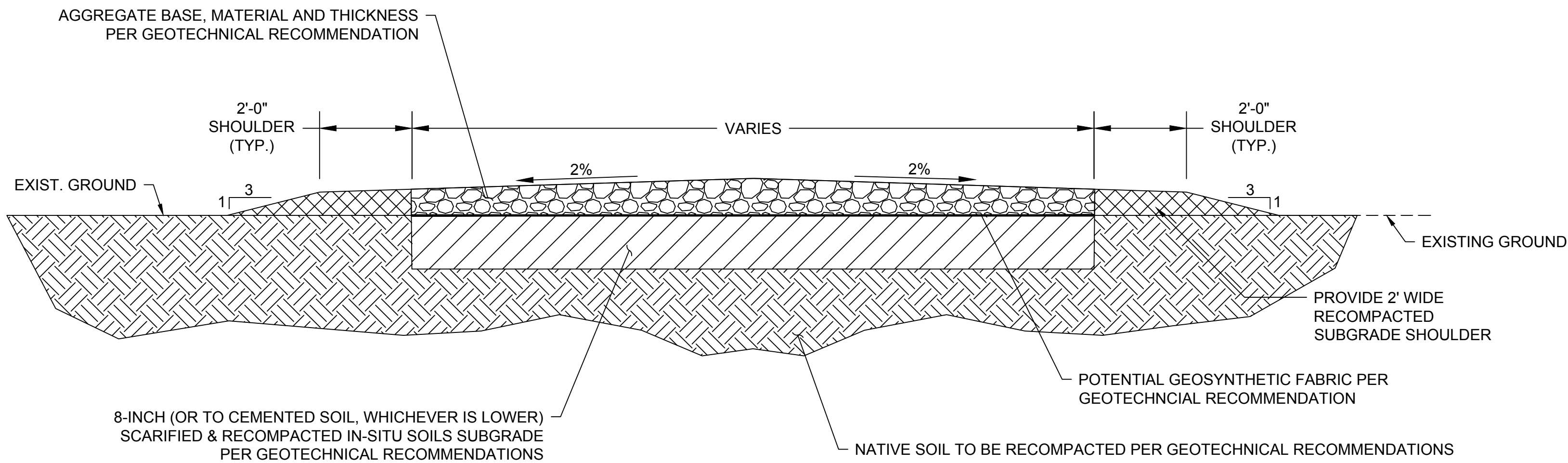
REV	DESCRIPTION	DATE	DWRN	CHKD	APVD
A	30% CIVIL DESIGN PLANS	07/21/2023	MG	LB	LB
B	REVISED 30% CIVIL DESIGN	08/08/2023	MG	MB	LB

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:

OVERALL
EARTHWORK PLAN

SHEET NO.:
C-400

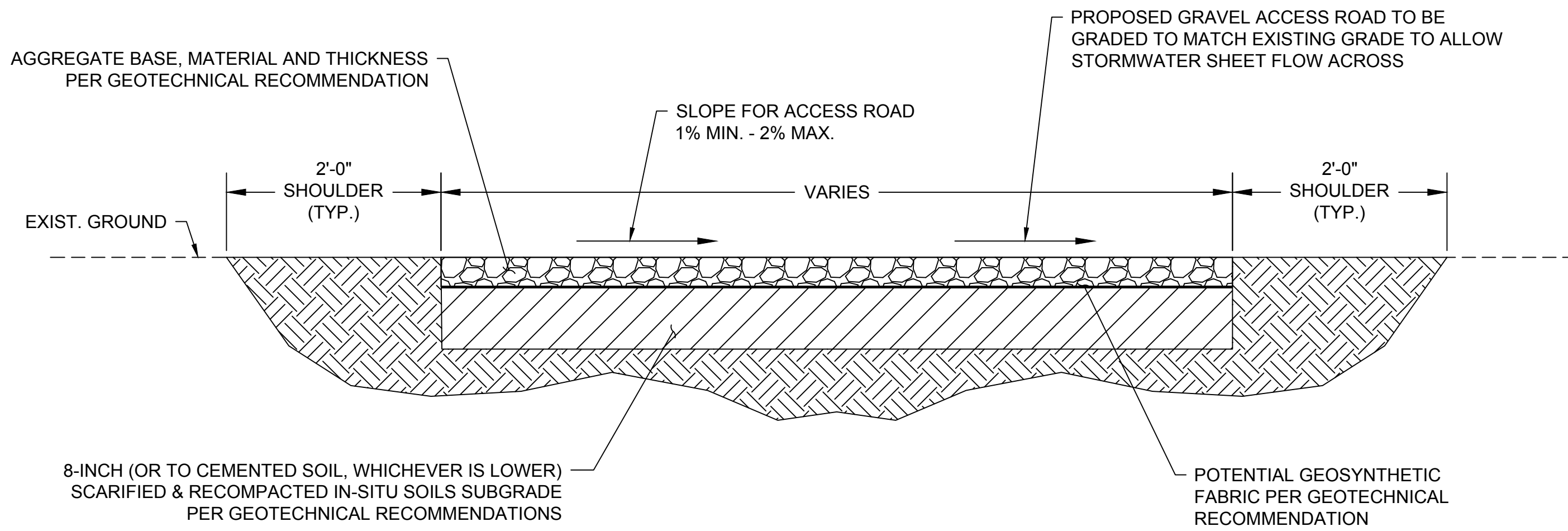


NOTES:

- ACCESS ROADS SHALL BE CONSTRUCTED AND ALL COMPACTION TESTING MUST BE CONDUCTED PER GEOTECHNICAL ENGINEER'S FINAL RECOMMENDATIONS.
- STRUCTURAL FILL AND GEOTEXTILE NEEDS SHALL BE PROPOSED AS RECOMMENDED/REQUIRED BY THE GEOTECHNICAL ENGINEER DURING CONSTRUCTION (E.G. IF THE GEOTECHNICAL ENGINEER DEEMS THE EXISTING SUBGRADE UNSUITABLE, THEN THEY MAY REQUIRE STRUCTURAL FILL AND/OR GEOTEXTILE). EXACT LOCATIONS TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER.
- ACCESS ROAD WIDTHS VARY, INTERNAL ACCESS ROADS ARE 16-FT WIDE AND SUBSTATION ROAD ACCESS ROADS ARE 20-FT WIDE.

1 GRAVEL ACCESS ROAD (RAISED)

NOT TO SCALE

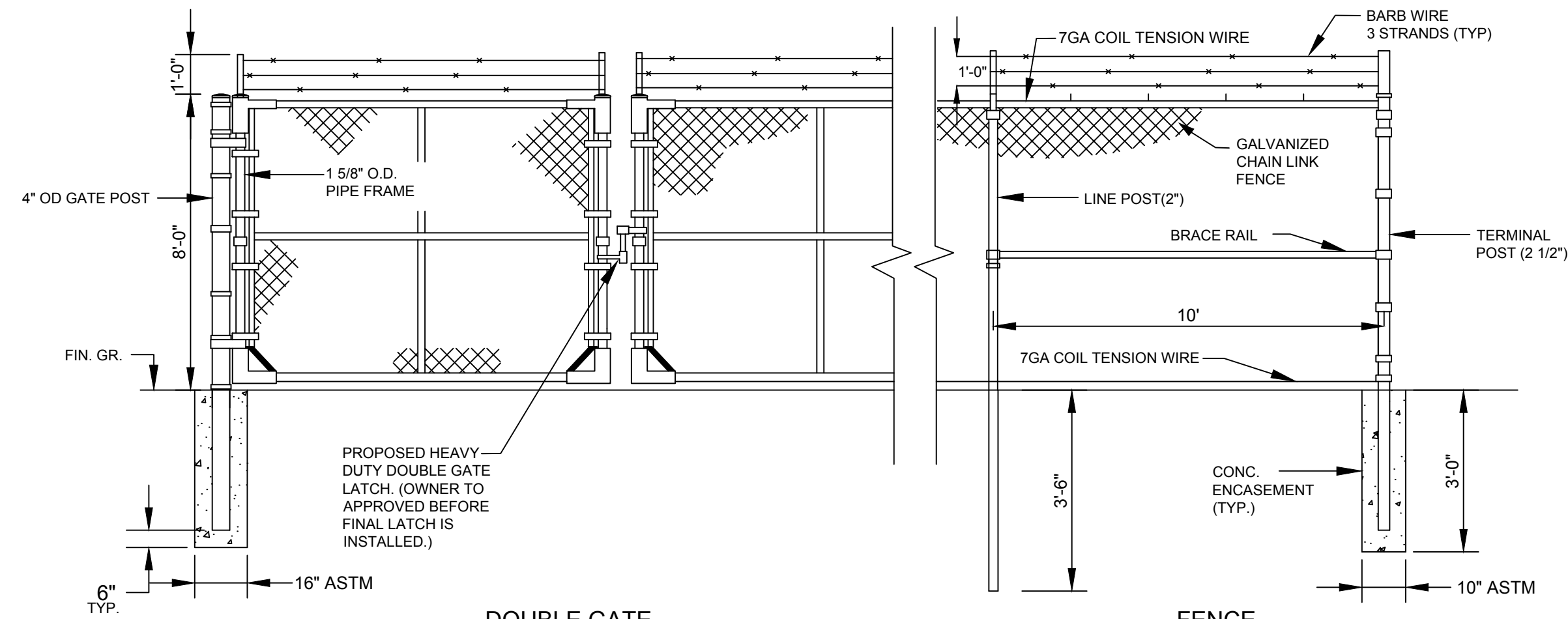


NOTES:

- ACCESS ROADS SHALL BE CONSTRUCTED AND ALL COMPACTION TESTING MUST BE CONDUCTED PER GEOTECHNICAL ENGINEER'S FINAL RECOMMENDATIONS.
- STRUCTURAL FILL AND GEOTEXTILE NEEDS SHALL BE PROPOSED AS RECOMMENDED/REQUIRED BY THE GEOTECHNICAL ENGINEER DURING CONSTRUCTION (E.G. IF THE GEOTECHNICAL ENGINEER DEEMS THE EXISTING SUBGRADE UNSUITABLE, THEN THEY MAY REQUIRE STRUCTURAL FILL AND/OR GEOTEXTILE). EXACT LOCATIONS TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER.
- ACCESS ROAD WIDTHS VARY, INTERNAL ACCESS ROADS ARE 16-FT WIDE AND SUBSTATION ROAD ACCESS ROADS ARE 20-FT WIDE.

2 GRAVEL ACCESS ROAD (AT GRADE)

NOT TO SCALE



NOTES:

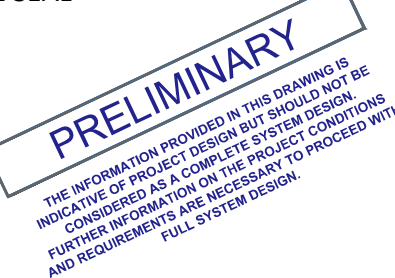
- 2 3/8" (11 GA.) MESH FABRIC SHALL BE 1.2 OZ. GALVANIZED. 2 1/2" OD TERMINAL POSTS AND 2" OD LINE POSTS TO BE ASTM F1043, GROUP IC. ALL OTHER POSTS TO BE SCHEDULE 40.
- THERE SHALL BE NO GAPS BELOW FENCE OR BETWEEN THE GATE LEAVES WIDE ENOUGH TO PERMIT PASSAGE OF UNAUTHORIZED PERSONS.
- CONCRETE ENCASEMENT AROUND FOOTING TO BE USED ONLY FOR GATE LOCATIONS AND CORNERS.
- CONCRETE ENCASING NEEDS TO HAVE AT LEAST 2500 PSI COMPRESSIVE STRENGTH.
- FENCE DESIGNED PER ASTM F567-14a (REAPPROVED 2019), STANDARD PRACTICE FOR INSTALLATION OF CHAIN-LINK FENCE.

3 8-FT CHAIN LINK FENCE AND GATE DETAIL

NOT TO SCALE



PE SEAL



DRAWING ISSUE

- ☒ Preliminary
☐ Customer Approval
☐ Permitting
☐ Construction
☐ As-built
☐ Other

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

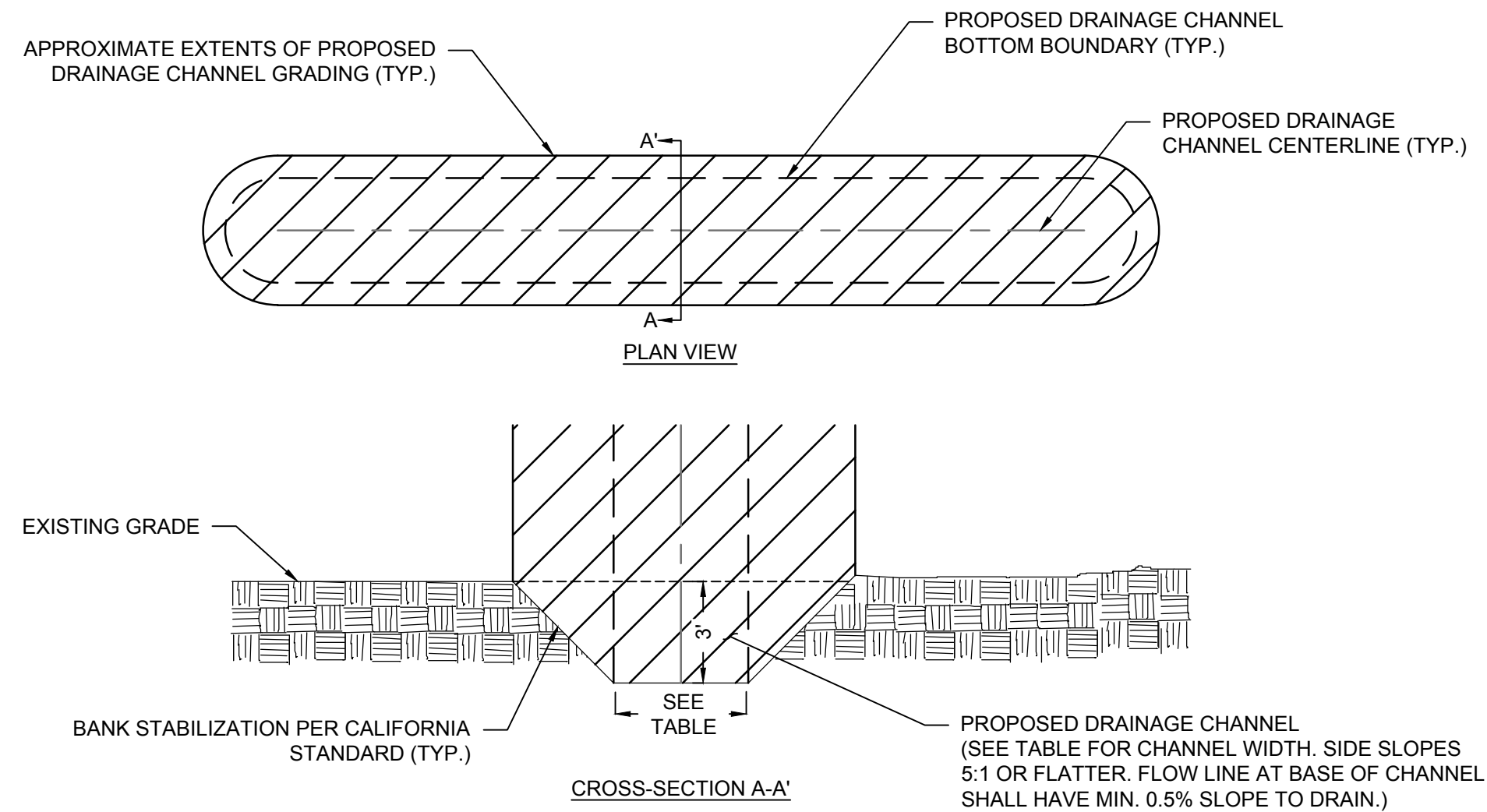
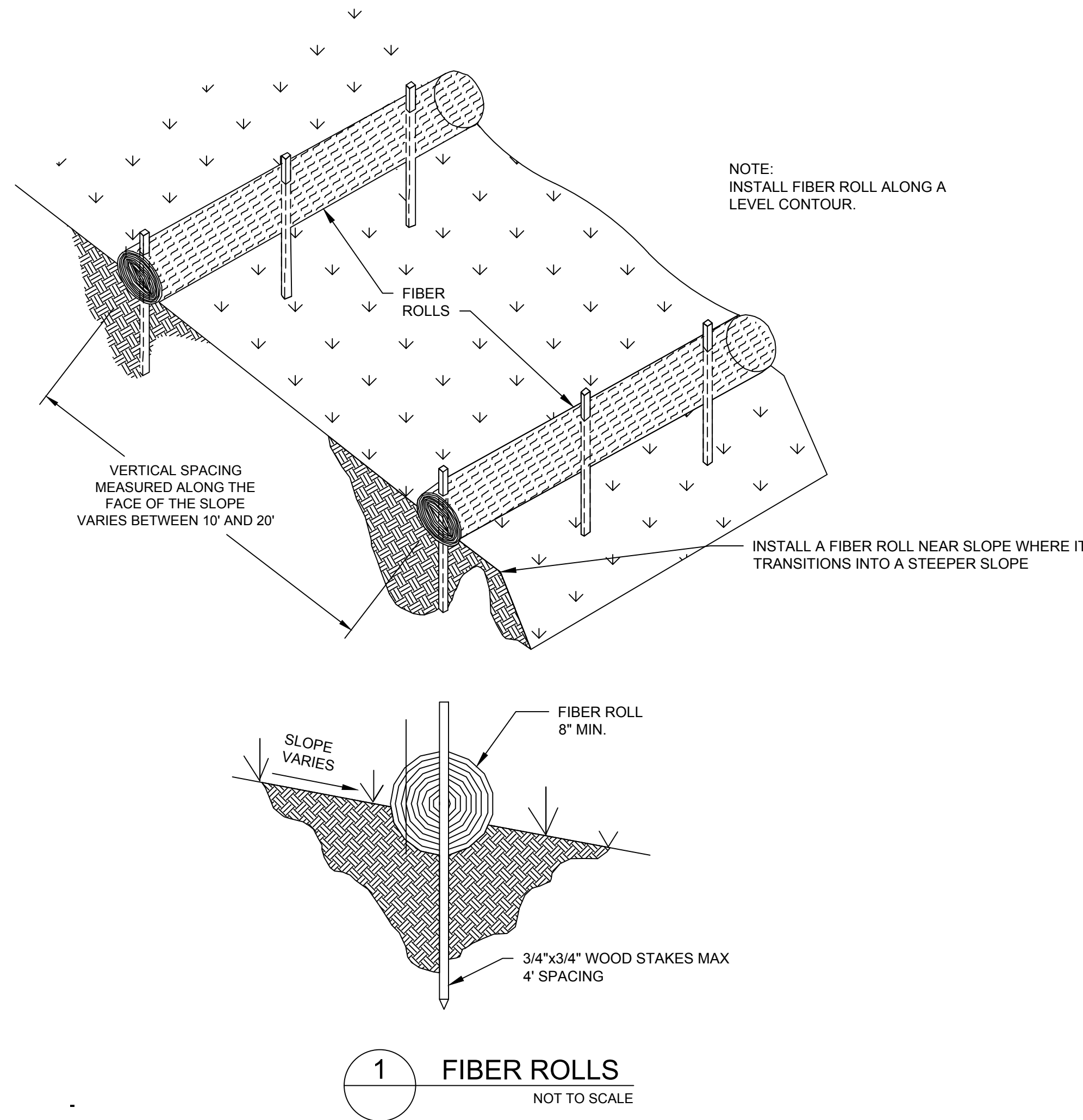
REV	DESCRIPTION								
A	30% CIVIL DESIGN PLANS								
B	REVISED 30% CIVIL DESIGN								

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:

SITE DETAILS

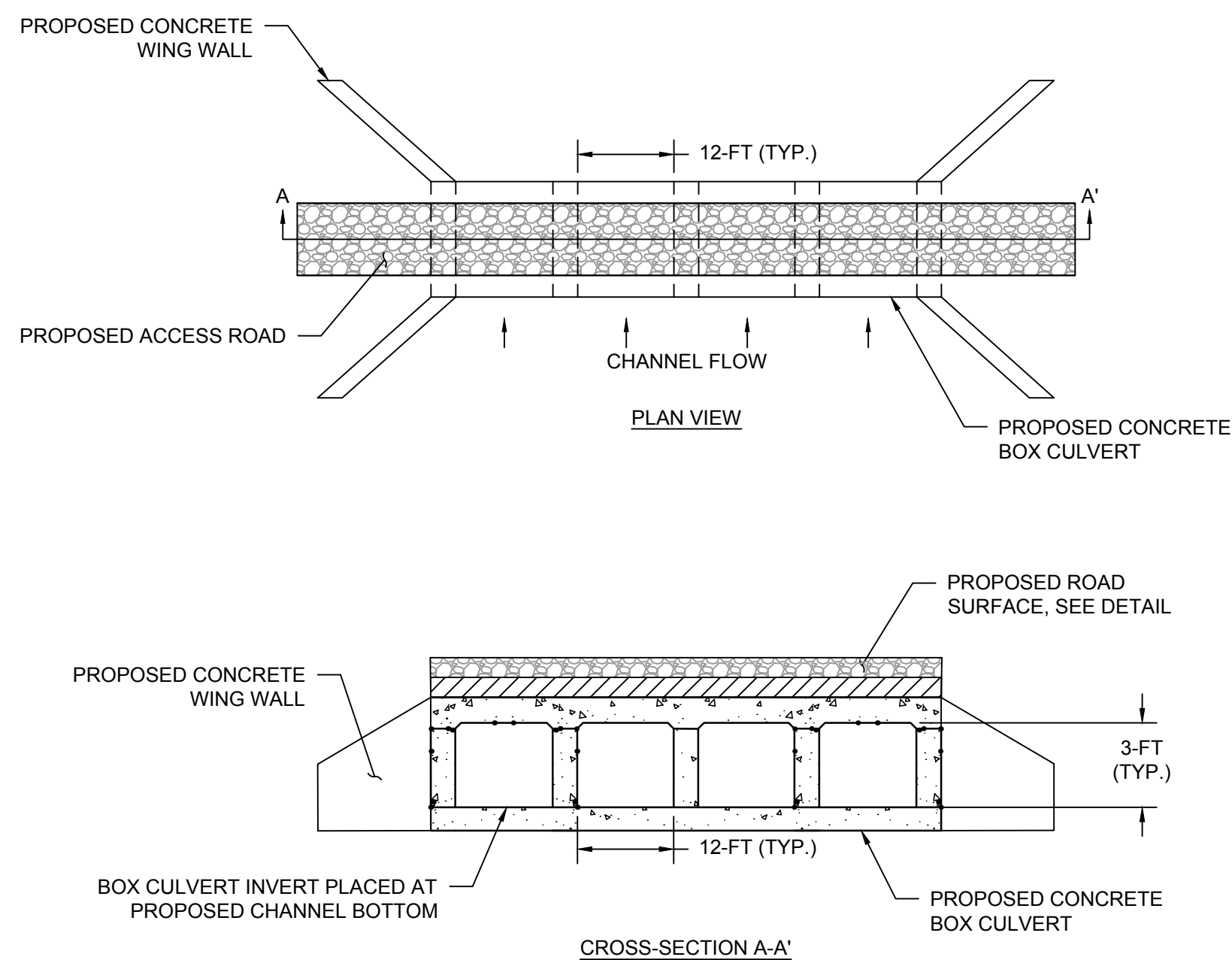
SHEET NO.: C-501



CHANNEL ID	CHANNEL BOTTOM WIDTH (FT.)	CHANNEL LENGTH (FT.)
CHANNEL 1	60	2,700
CHANNEL 2	80	4,984
CHANNEL 3	60	8,056

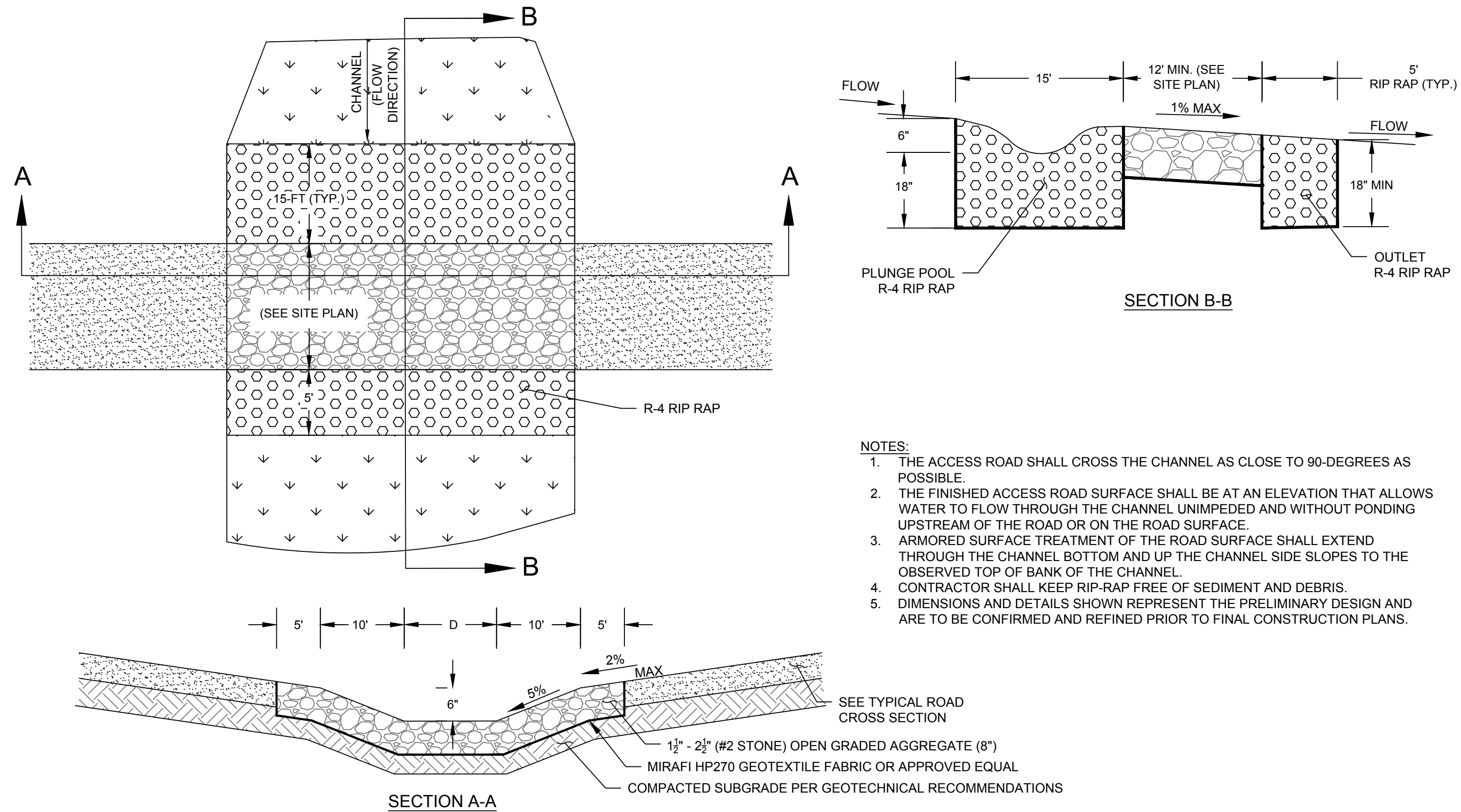
NOTE: DIMENSIONS AND DETAILS SHOWN REPRESENT THE PRELIMINARY DESIGN AND ARE TO BE CONFIRMED AND REFINED PRIOR TO FINAL CONSTRUCTION PLANS.

2 PROPOSED DRAINAGE CHANNEL
NOT TO SCALE



NOTE: DIMENSIONS AND DETAILS SHOWN REPRESENT THE PRELIMINARY DESIGN AND ARE TO BE CONFIRMED AND REFINED PRIOR TO FINAL CONSTRUCTION PLANS.

3 PROPOSED BOX CULVERT
NOT TO SCALE



4 LOW WATER CROSSING
NOT TO SCALE



PE SEAL

PRELIMINARY

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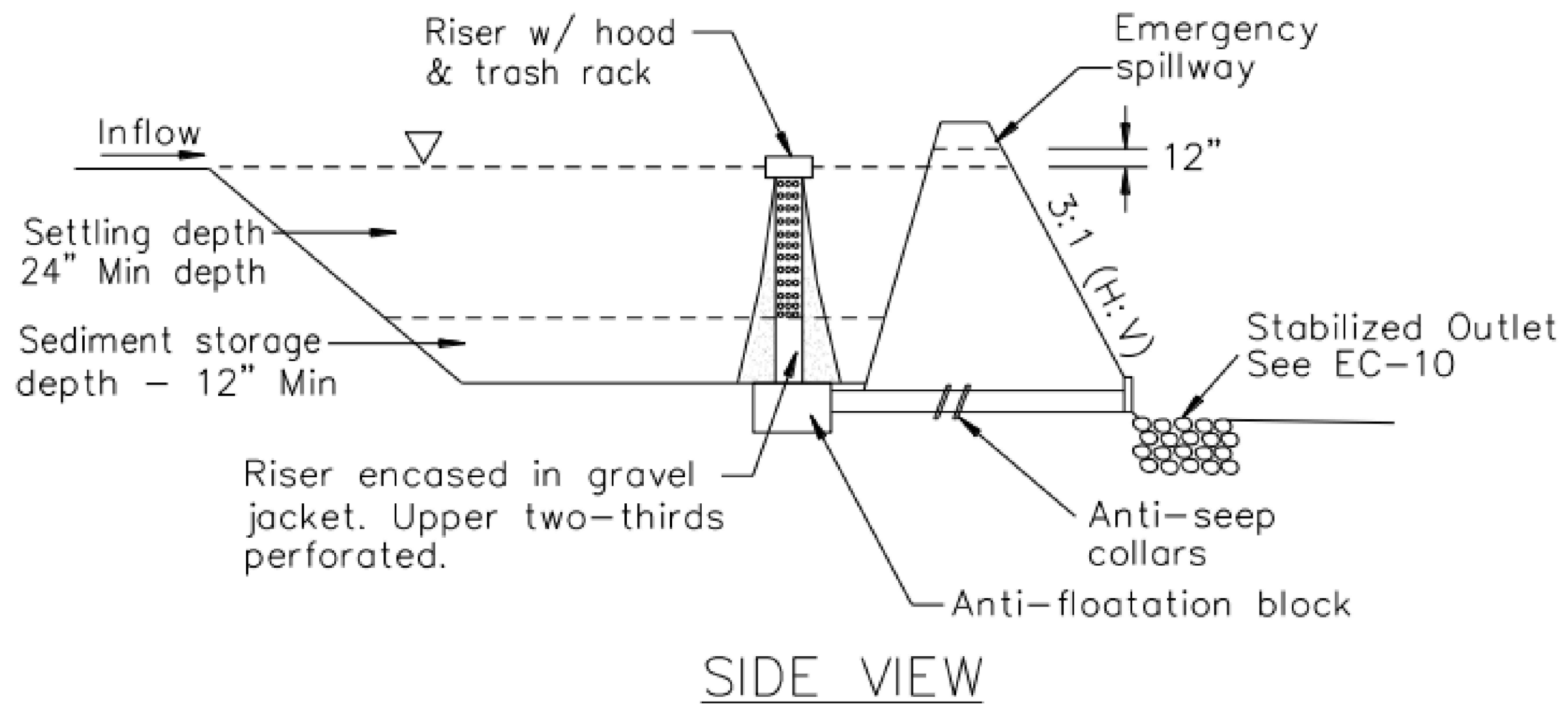
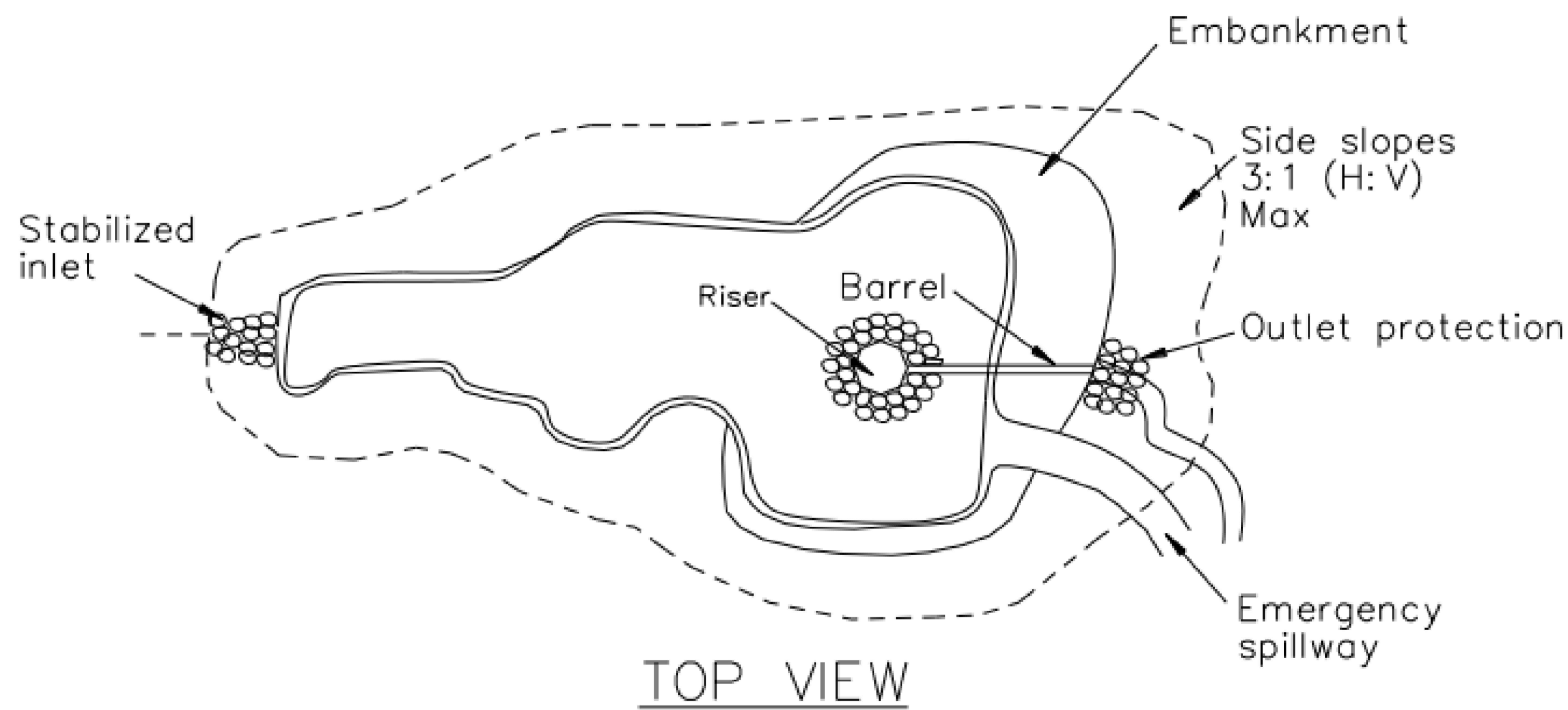
Project name: **SODA MOUNTAIN SOLAR PROJECT**

Project Address: **SAN BERNARDINO COUNTY, BAKER, CA 92309 35.150892° N, 116.177542° W**

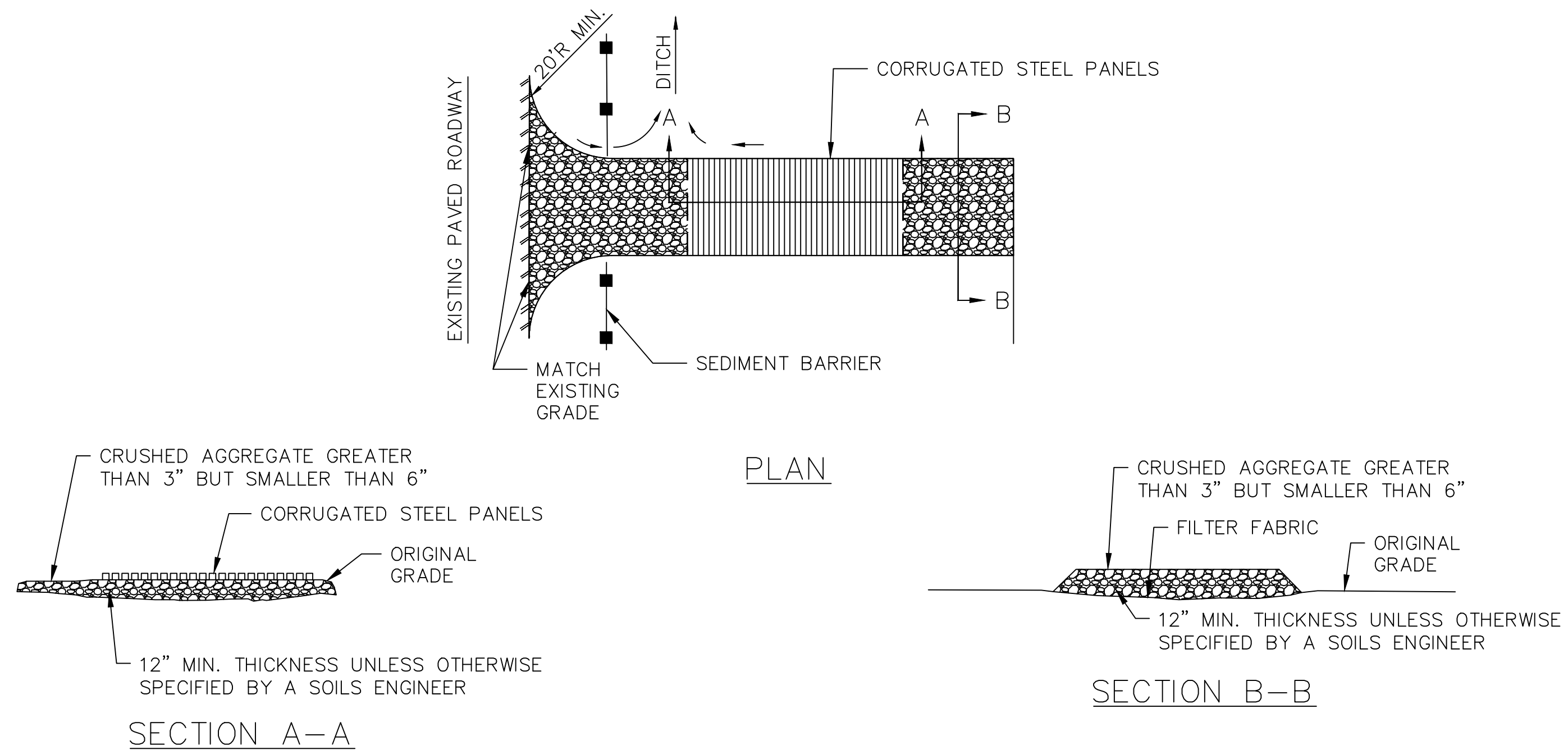
START DATE: 08/08/2023
DRAWN BY: MG
ENGINEER: JB
APPROVED BY: LB
SHEET TITLE:

GRADING, DRAINAGE & EROSION CONTROL DETAILS

SHEET NO.: C-502

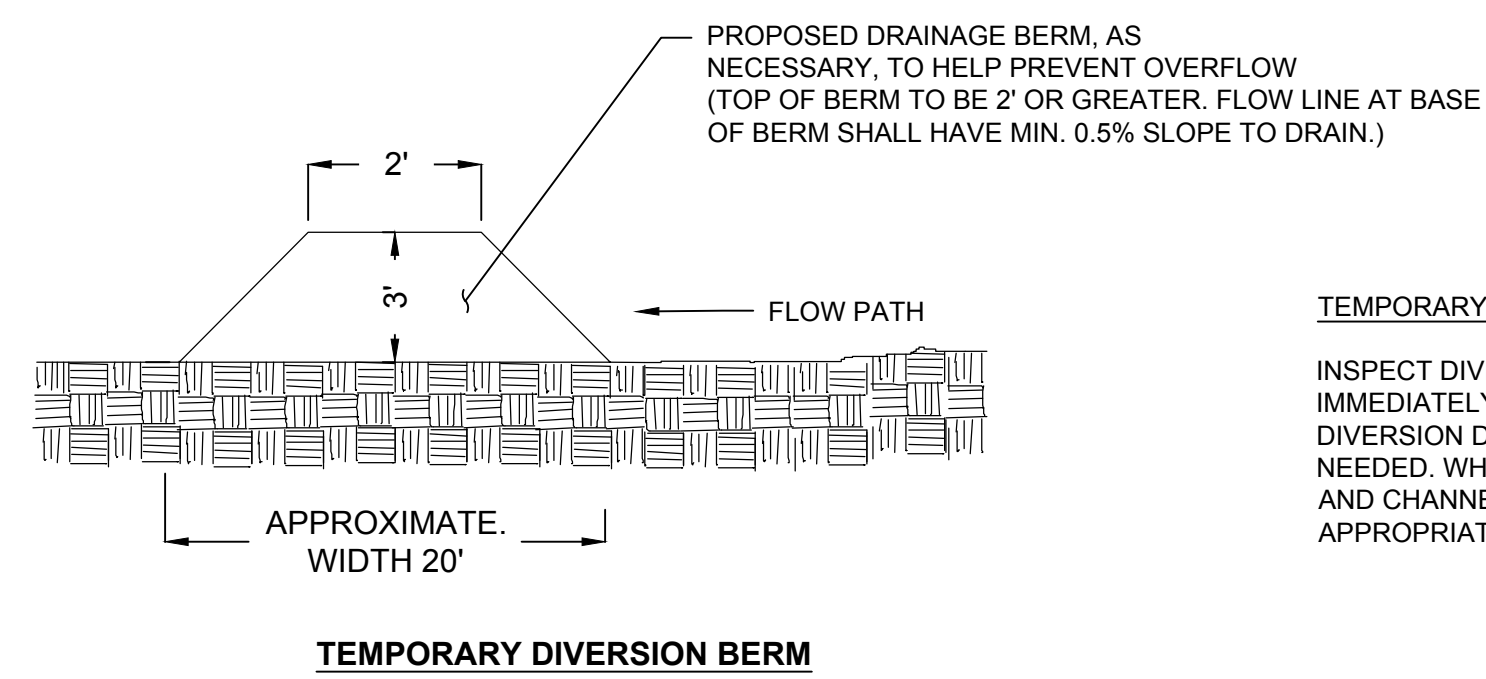
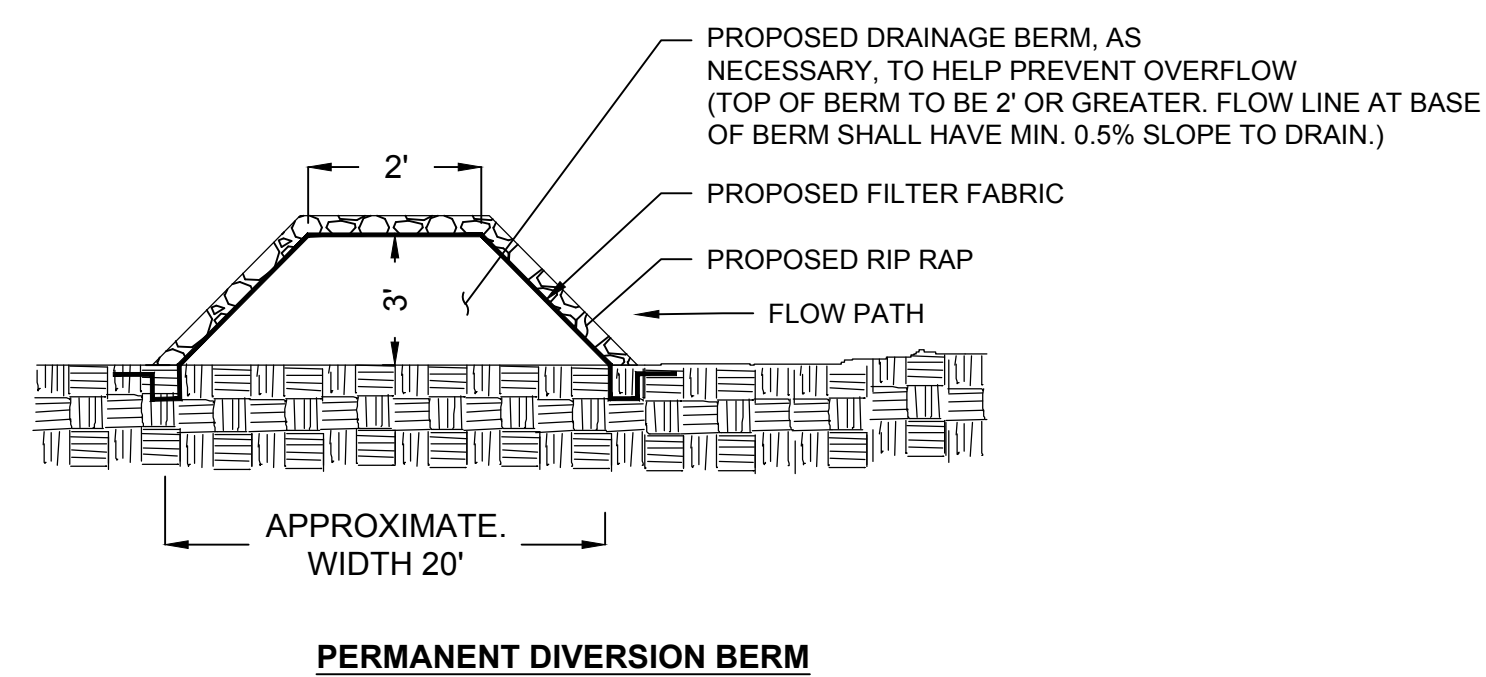


1 TEMPORARY SEDIMENT BASIN DETAIL
NOT TO SCALE



- NOTES:
1. CONSTRUCT SEDIMENT BARRIER AND CHANNELIZE RUNOFF TO SEDIMENT TRAPPING DEVICE.

2 CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



- NOTES:
1. ROCK CHECK DAMS TO BE PLACED AT MINIMUM EVERY 2' OF FALL AND AT THE OUTLET OF EACH DITCH. CHECK DAMS PLACED AT THE DITCH OUTLETS SHALL OUTLET AT EXISTING GROUND SURFACE.
 2. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING CONDITION.

TEMPORARY DIVERSION BERM MAINTENANCE:
INSPECT DIVERSIONS AT LEAST WEEKLY AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION DITCH. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE IT.

3 TYPICAL DIVERSION BERM DETAIL
NOT TO SCALE

PE SEAL
PRELIMINARY
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DATE	DWRN	CHKD	APVD
07/21/2023	MG	MB	LB
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SHEET TITLE:

GRADING, DRAINAGE & EROSION CONTROL DETAILS

SHEET NO.: C-503