



**Agenda Item C.1
PRELIMINARY REVIEW
Meeting Date: May 26, 2026**

TO: Goleta Design Review Board

FROM: Travis Lee, Associate Planner

SUBJECT: Greenbark 30 Battery Energy Storage System Unaddressed Parcel on Viajero; APN 079-210-053 Case Nos. 24-0001-GPA, 24-0002-ORD, 24-0007-DP, 24-0002-CUP, and 24-0002-DRB

DRB ACTIONS FOR CONSIDERATION:

1. Recommendation that the Planning Commission and City Council adopt design findings of Section 17.58.080 of the Goleta Municipal Code and California Environmental Act Findings provided as Attachment A; and
2. Recommend Preliminary review approval to the Planning Commission and the City Council (or approval with conditions).

If the findings cannot be made to recommend approval of the request at this meeting, the DRB can either continue the item for additional information/redesign or deny the request specifically identifying the reasons for the denial.

PROJECT DESCRIPTION:

This is a request for **Preliminary Review** recommendation for 39.6MW battery energy storage facility. DRB's purview is related to the site design and appearance of the facility. The proposal is for 9 sets of Tesla Megapack 2XLs standing 9'-2" tall. The area will be surrounded with 8' tall ornamental no-climb fencing with landscape screening on the south and eastern property lines. There is a small wetland on the southern property line and the project design is observing the 50' buffer from the wetland boundary.

In addition to the Preliminary design approval, the other entitlement actions needed to construct a battery energy storage facility on this site includes a General Plan Amendment (GPA) and Rezone (RZ) to change the General Plan and Land Use Designation from General Commercial (C-G/CG) to Office and Industrial (I-OI/OI) along with a Conditional Use Permit and Development Plan to construct and operate the battery energy storage facility. The City Council will be the decisionmaker on all entitlements associated with this project.

The existing land use designation of General Commercial does not allow Major Utilities uses which is the use category needed for the battery energy storage

project. The City Council initiated the General Plan Amendment on May 17, 2022. Access will be taken from Viajero Drive. The property is a 2.1-acre vacant parcel located at an unaddressed parcel on Viajero Drive, known as Assessor's Parcel Number 079-210-053. The project does not include a request for a modification.

The project was filed by Tim Murphy, agent for Southern California Edison, property owner.

DISCUSSION:

The DRB conducted conceptual review of the project on May 14, 2024, and determined that the design was compatible with the site (Case No. 24-0002-DRB).

The proposed General Plan land use designation for the site is Office Institutional (OI). The proposed project meets all applicable development standards for OI zoned parcels as the proposed battery structures would be installed on concrete pads located outside of the required setback areas, have a relatively low height (no higher than 9'-2" tall), the proposed project has a lot coverage of 22% which is below the maximum allotment of 40%, and the proposed project includes 13% of the parcel allocated to landscaping which exceeds the required minimum of 10%.

Several policies in the City's Visual and Historic Resources Element of the General Plan are applicable to the Project and are shared below.

VH 4.7 Office Buildings, Business Parks, Institutional, and Public/Quasi-Public Uses. [GP] The following standards shall be applicable to office and business park development and institutional and public/quasi-public uses:

- a. Buildings and structures shall be designed to be compatible with adjacent development relative to size, bulk, and scale.
- b. Street elevations of buildings and structures should enhance the streetscape and should be pedestrian friendly. To create diversity and avoid monotonous façades, varied building setbacks should be provided and be proportionate to the scale of the building.
- c. Plazas, courtyards, and landscaped open space should be provided to create a campus-like setting and encourage pedestrian access.
- d. Parking lots should not be the dominant visual element and shall be located behind or beside buildings, where appropriate. Where buildings do not screen parking lots, landscaping, berms, and/or low walls shall be used to screen cars from adjacent roadways and other developments.
- e. Architectural elements such as arcades are encouraged to identify the main entrance and reinforce the pedestrian scale.

- f. Bicycle access shall be provided and encouraged via bike lanes. Sufficient, secure, and protected bicycle parking shall be provided.
- g. Public transit shall be encouraged through effective placement of stops for local and regional transit services. Existing stops shall be upgraded as appropriate.
- h. Loading areas and recycling and trash facilities shall be easily accessed and screened from view with landscaping and/or fencing or walls. Adjacent uses shall be considered when such areas are sited.
- i. Roof mounted equipment shall be screened and considered as part of the structure for height calculations.

VH 4.9 Landscape Design. [GP] Landscaping shall be considered and designed as an integral part of development, not relegated to remaining portions of a site following placement of buildings, parking, or vehicular access. Landscaping shall conform to the following standards:

- a. Landscaping that conforms to the natural topography and protects existing specimen trees is encouraged.
- b. Any specimen trees removed shall be replaced with a similar size tree or with a tree deemed appropriate by the City.
- c. Landscaping shall emphasize the use of native and drought-tolerant vegetation and should include a range and density of plantings including trees, shrubs, groundcover, and vines of various heights and species.
- d. The use of invasive plants shall be prohibited.
- e. Landscaping shall be incorporated into the design to soften building masses, reinforce pedestrian scale, and provide screening along public streets and off-street parking areas.

VH 4.12 Lighting. [GP] Outdoor lighting fixtures shall be designed, located, aimed downward or toward structures (if properly shielded), retrofitted if feasible, and maintained in order to prevent over-lighting, energy waste, glare, light trespass, and sky glow. The following standards shall apply:

- a. Outdoor lighting shall be the minimum number of fixtures and intensity needed for the intended purpose. Fixtures shall be fully shielded and have full cut off lights to minimize visibility from public viewing areas and prevent light pollution into residential areas or other sensitive uses such as wildlife habitats or migration routes.
- b. Direct upward light emission shall be avoided to protect views of the night sky.
- c. Light fixtures used in new development shall be appropriate to the architectural style and scale and compatible with the surrounding area.

ENVIRONMENTAL REVIEW:

An Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared for the project pursuant to the requirements of CEQA (Pub. Resources Code §§ 21000 et seq.). The draft IS/MND was released for a 30-day public review commencing on December 11, 2025. Staff received several comments regarding the draft Initial Study/Mitigated Negative Declaration (IS/MND). The Final IS/MND is being finalized and will be made available prior to the Planning Commission hearing. All necessary Conditions of Approval and/or Mitigation Measures related to the environmental issue areas will be incorporated. The Draft IS/MND is available online here:

<https://www.cityofgoleta.org/your-city/planning-and-environmental-review/ceqa-review/greenbark-30-battery-energy-storage-system-project>. The three primary areas of concern analyzed within the Final IS/MND are related to biological resources, cultural resources, and hazards/hazardous materials. The first two issues relate to the site, and the third issue relates to the use itself.

NEXT STEPS

If the DRB recommends Preliminary Design approval, then \, the next steps include: (1) Planning Commission review of the all the entitlement actions with a recommendation to the City Council regarding the merits of the project along with the adequacy of the environmental analysis contained with the Final IS.MND; (2) City Council review and action regarding the merits of the project and the adequacy of the environmental analysis contained with the Final IS/MND; (3) if approval granted, Final Design Review by DRB ; (4) issuance of Zoning Clearance once adopted conditions/mitigation measures are implemented required prior to issuance of building permits; (5) building plan check, building permit issuance, and begin construction.

ATTACHMENTS:

Attachment A - Findings of Approval
Attachment B – Project Plans

ATTACHMENT A

FINDINGS

Attachment A
Preliminary Design Review and California Environmental Quality Act Findings for
Greenbark 30 Battery Energy Storage System
Case Nos. 24-0001-GPA, 24-0002-ORD, 24-0007-DP, 24-0002-CUP, and 24-0002-DRB

DESIGN REVIEW FINDINGS (GMC SECTION 17.58.080)

1. The development will be compatible with the neighborhood, and its size, bulk and scale will be appropriate to the site and the neighborhood.

The configuration, size, bulk, and scale of the Greenbark 30 Battery Storage Facility is appropriate to the site and neighborhood as currently designed which does not include a building enclosing the energy storage facility but is instead a series of 9'-2" tall battery cabinets. The cabinets containing the batteries are well below the maximum height limit of 35 feet allowed by the zoning district. The proposed lot coverage is approximately 22% while the maximum allowed is 40%.

2. Site layout, orientation, and location of structures, including any signage and circulation, are in an appropriate and harmonious relationship to one another and the property.

Most of the battery storage cabinets and equipment are low profile structures and screened from the public view to the maximum extent practical as seen in the sections provided on sheets C-300, C-301, and C-302. The screening is accomplished through fencing and landscaping to minimize the view of the less than 10' tall battery cabinets. The improvements are in an appropriate and harmonious relationship to one another and the property. No signage is proposed.

3. The development demonstrates a harmonious relationship with existing adjoining development, avoiding both excessive variety as well as monotonous repetition, but allowing similarity of style, if warranted.

The development demonstrates a harmonious relationship with existing adjoining development to the extent possible given the nature of the use of a battery storage facility and the property shares boundaries with gas-fire peaker plant, an outdoor storage area, existing railroad line, and a proposed ministorage facility. Maintaining a low profile of the facility's cabinets and a landscape plan which exceeds the minimum requirements created the best approach to achieving a harmonious relationship between the types of adjoining development.

4. There is harmony of material, color, and composition on all sides of structures.

The materials, colors, and composition on all sides of the proposed battery cabinets are uniform and in harmony with one another.

5. Any outdoor mechanical or electrical equipment is well integrated in the total design and is screened from public view to the maximum extent practicable.

The project includes 15' of landscaping buffer on the north, east, and southern property lines which accounts for approximately 13 percent of the net lot, exceeding the requirement of 10 percent landscaping. The entire property is also surrounded by an 8' tall ornamental no-climb fence.

6. The site grading is minimized, and the finished topography will be appropriate for the site.

The site is generally flat and minimal grading will be necessary totaling 491.85 cubic yards of cut, 484.08 cubic yards of fill, and 7.77 cubic yards of export for construction of the battery storage cabinet pads.

7. Adequate landscaping is provided in proportion to the project and the site with due regard to preservation of specimen and protected trees, and existing native vegetation.

The proposed landscaping is adequate and in proportion to the project and site as the landscaping coverage is approximately 13 percent of the net lot area, exceeding the Title 17 requirement for 10 percent for OI zoned parcels.

8. The selection of plant materials is appropriate to the project and its environment, and adequate provisions have been made for long-term maintenance of the plant materials.

The selected plant palette includes fire-resistant California species including several recommended by the California Department of Fish and Wildlife.

9. All exterior lighting, including for signage, is well designed, appropriate in size and location, and dark-sky compliant.

The proposed project includes minimal security lighting which is dark sky compliant and the photometric plan demonstrates that there will not be spillover light onto the neighboring parcels.

10. The project architecture will respect the privacy of neighbors, is considerate of private views, and is protective of solar access off site.

The project's proposed landscaping and fencing provides a heavy buffer between the project and the neighboring uses protecting the privacy of the neighbors. The landscape coverage for the battery storage facility is approximately 13 percent of the net lot area, exceeding the Title 17 requirement for 10 percent.

11. The proposed development is consistent with any additional design standards as expressly adopted by the City Council. (Ord. 20-03 § 6).

The proposed development is consistent with pertinent zoning and design standards of Title 17 adopted by the City Council.

CALIFORNIA ENVIRONMENTAL QUALITY ACT

12. The development or project is within the project description of a proposed or adopted California Environmental Quality Act document (i.e., Environmental Impact Report, Mitigated Negative Declaration, or Negative Declaration) or is statutorily or categorically exempt from California Environmental Quality Act.

An Initial Study/Mitigation Negative Declaration (IS/MND) has been prepared for the project pursuant to the requirements of CEQA (Pub. Resources Code §§ 21000 et seq.). The draft IS/MND was released for a 30-day public review period commencing on December 11, 2025. Staff received several comments regarding the draft Initial Study/Mitigated Negative Declaration (IS/MND). The Final IS/MND is being finalized and will be made available prior to the Planning Commission hearing. All necessary Conditions of Approval and/or Mitigation Measures related to the environmental issue areas will be incorporated. The Draft IS/MND is available online here: <https://www.cityofgoleta.org/your-city/planning-and-environmental-review/ceqa-review/greenbark-30-battery-energy-storage-system-project>. The three primary areas of concern analyzed within the Final IS/MND are related to biological resources, cultural resources, and hazards/hazardous materials. The first two issues relate to the site and the third issue relates to the use itself.

ATTACHMENT B

PLANS

PRELIMINARY PLANS FOR PERMITTING

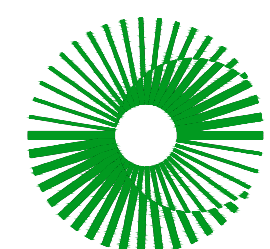
GREENBARK 30 BATTERY ENERGY STORAGE PROJECT

SCALE MICROGRIDS

GOLETA, CALIFORNIA

MAY 2025

PREPARED BY:



ERM

Environmental Resources Management, Inc.

1776 I Street N.W.
Suite 725
Washington, DC, 20006

PREPARED FOR:

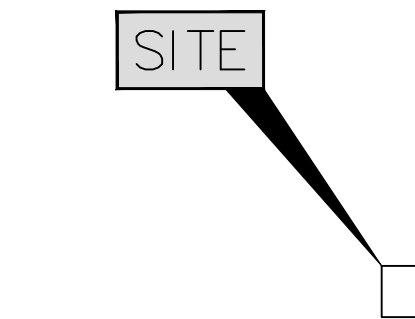
Scale Microgrids



SANTA BARBARA COUNTY, CALIFORNIA
GENERAL LOCATION MAP



SITE LOCATION MAP
SCALE (IN FEET)
0 2500



SITE VICINITY MAP

GENERAL NOTES AND PROJECT DESCRIPTION

- THE GENERAL NOTES AND LEGEND PROVIDED ON THIS DRAWING APPLY TO ALL DRAWINGS, UNLESS OTHERWISE INDICATED.
- THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN). FLOODPLAIN DATA OBTAINED FROM THE ALTA SURVEY AND THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S GIS DATA WEBSITE (MSC.FEMA.GOV) DERIVED FROM FIRM PANEL NUMBER: 06083C1342H, EFFECTIVE 09/28/2018.
- WETLAND FEATURES WERE IDENTIFIED DURING FIELD INVESTIGATION PERFORMED BY ERM (ERM 2025).
- SETBACKS:
PROPERTY LINE: 15 FEET
WETLAND: 50 FEET

SETBACKS APPLY TO ALL ABOVE GROUND STRUCTURES INCLUDING ELECTRICAL EQUIPMENT.
- PROJECT DESCRIPTION: TO CONSTRUCT A 30 MW BATTERY STORAGE SYSTEM WITH PERIMETER ROAD AND ASSOCIATED SITE IMPROVEMENTS.
- LOCATION: NORTHERN TERMINUS OF VAJERO DRIVE; NO ADDRESS FOUND.
- APN: 079-210-053
- GENERAL PLAN DESIGNATION:
CURRENT: GENERAL COMMERCIAL (C-G)
PROPOSED: OFFICE AND INSTITUTIONAL (I-OI)
- ZONING:
CURRENT: GENERAL COMMERCIAL (CG)
PROPOSED: OFFICE INSTITUTIONAL (OI).
- THE PRESENT: UNDEVELOPED.
- SITE ACCESS: VAJERO DRIVE VIA HOLLISTER AVENUE AND LAS ARMAS ROADS VIA HOLLISTER AVENUE
- SURROUNDING USES TO THE SITE:
NORTH: UNION PACIFIC RAILROAD, U.S. INTERSTATE HIGHWAY 101
SOUTH: VACANT COMMERCIAL PARKING LOT
EAST: COMMERCIAL PARKING LOT; ELLWOOD ELEMENTARY SCHOOL; MARIPOSA AT ELLWOOD SHORES
WEST: ELLWOOD GENERATING STATION; LAS ARMAS ROAD; HIDEAWAY RESIDENTIAL NEIGHBORHOOD
- TOTAL PARKING REQUIRED: ONE FULL SIZE SPACE.
TOTAL PARKING PROVIDED ON SITE: TWO PARKING SPOTS.
- SETBACKS TO EQUIPMENT PERIMETER:
FRONT: 15 FEET
NORTH: 15 FEET
WEST: 15 FEET
SOUTH: 20 TO 50 FEET
EAST: 15 FEET
- SITE AREA: 91,595 SF OR 2.1 ACRES
- EXISTING STRUCTURES: 0 SF
EXISTING IMPERVIOUS SURFACE: 0 SF
PROPOSED BUILDING COVERAGE: 0 SF
- MAXIMUM STRUCTURE HEIGHT ALLOWED: 35 FEET
PROPOSED STRUCTURE HEIGHT: MEGAPACK HEIGHT IS 9 FEET 2 INCHES
- SITE COVERAGE

	GROSS	NET
SITE AREA:	91,595 SF (2.1 ACRES)	91,595 SF (2.1 ACRES)
EXISTING STRUCTURES:	NONE	NONE
EXISTING IMPERVIOUS SURFACES:	0 SF	0 SF
PROPOSED BUILDING COVERAGE:	0 SF	0 SF
PROPOSED SITE EQUIPMENT COVERAGE:	19,728 SF (22%)	19,728 SF (22%)
PROPOSED IMPERVIOUS SURFACES:	19,728 SF (22%)	19,728 SF (22%)
PROPOSED PERVIOUS AREAS:	71,867 SF (78%)	71,867 SF (78%)
PROPOSED LANDSCAPING:	11,830 SF (13%)	11,830 SF (13%)

LIST OF DRAWINGS

DRAWING NO.	TITLE	REVISION
C-000	COVER	1
C-001	NOTES	1
C-200	SITE PLAN AND SURROUNDING USES	1
C-201	SITE PLAN WITH POINT-OF-INTERCONNECTION	1
C-202	PRELIMINARY SITE AND GRADING PLAN	1
C-300	PRELIMINARY SECTIONS (N/S)	1
C-301	PRELIMINARY SECTIONS (W/E)	1
C-302	PRELIMINARY SECTIONS (EXTENDED N/S)	1
C-400	PRELIMINARY ESC DESIGN	1
C-401	ESC DETAILS	1
C-500	OFFSITE IMPROVEMENTS PLAN	1
L-100	LANDSCAPE PLAN	1
L-200	VEGETATION REMOVAL PLAN	1
L-300	MATERIAL SAMPLE BOARD	1

PROJECT CONTACT LIST

PROPERTY OWNER
SOUTHERN CALIFORNIA EDISON
2244 WALNUT GROVE AVE.
ROSEMEAD, CA 91770
CONTACT: RICHARD FUJIKAWA
PHONE: (714) 657-6950
EMAIL: RICHARD.FUJIKAWA@SCE.COM

CIVIL ENGINEER
ERM
1776 1ST ST. NW
WASHINGTON, DC 20006
CONTACT: STEPHEN LINDSAY
PHONE: (301) 602-9261
EMAIL: STEPHEN.LINDSAY@ERM.COM

ACOUSTIC ENGINEER
ERM
200 CHARLES EWING BLVD STE 160
EWING TOWNSHIP, NJ 08628
CONTACT: TONY AGRESTI
PHONE: (609) 407-7524
EMAIL: TONY.AGRESTI@ERM.COM

ARCHAEOLOGY
ERM
1920 MAIN ST #300
IRVINE, CA 92614
CONTACT: MARIA WISEMAN
PHONE: (310) 428-4773
EMAIL: MARIA.WISEMAN@ERM.COM

LANDSCAPE ARCHITECT
ERM
1050 SW 6TH AVE. SUITE 1650
PORTLAND, OR 97204
CONTACT: LUKE HEGEMAN
PHONE: (503) 279-7176
EMAIL: LUKE.HEGEMAN@ERM.COM

HAZARDOUS RISK ANALYSIS
ERM
7700 WINDROSE AVE. SUITE G300
PLANO, TX 75024
CONTACT: MATT FRAZELL
PHONE: (469) 417-8066
EMAIL: MATT.FRAZELL@ERM.COM

LAND SURVEYOR
MONUMENT LAND SURVEYING
3345 STATE STREET #3592
SANTA BARBARA, CA 93130
CONTACT: DANIEL B. EISENGART
PHONE: (805) 203-3042
EMAIL: DBE@MONUMENTLAND.COM

ELECTRICAL CONSULTANT
REVAMP ENGINEERING
428 13TH ST. FLOOR 3
OAKLAND, CA 94612
CONTACT: EVAN GOLDBERG, P.E.
PHONE: (860) 335-5204
EMAIL: EGOLDBERG@REVAMP-ENG.COM

LAND USE CONSULTANT
ERM
1180 EUGENIA PL.
CARPINTERIA, CA 93013
CONTACT: TIM MURPHY
PHONE: (805) 895-5420
EMAIL: TIM.MURPHY@ERM.COM

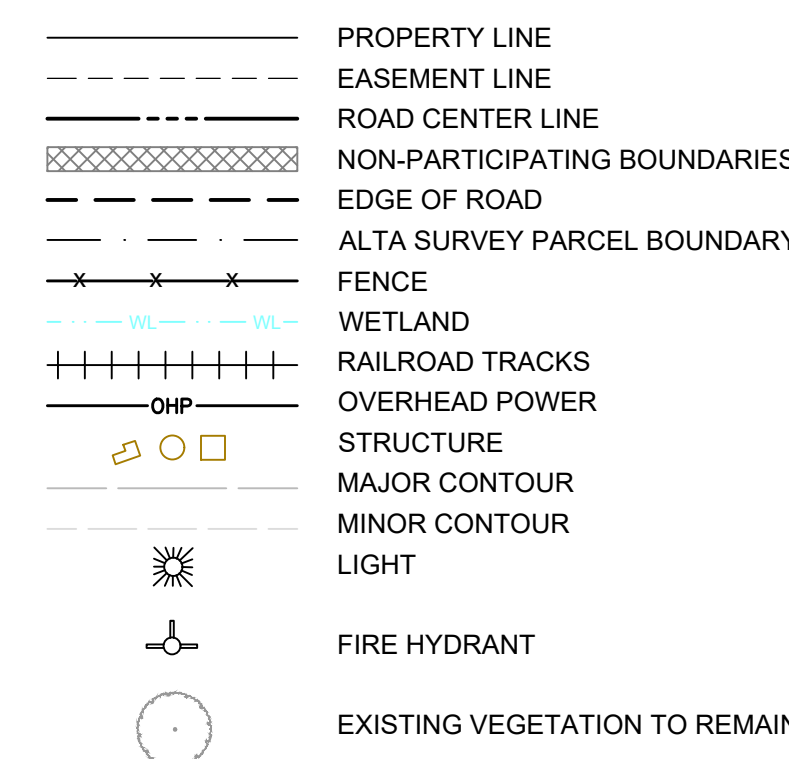
TRANSPORTATION
ASSOCIATED TRANSPORTATION ENGINEERS
100 NORTH HOPE AVENUE, SUITE 4
SANTA BARBARA, CA 93110
CONTACT: SCOTT A. SCHNELL
PHONE: (805) 687-4418
EMAIL: SSSCHNELL@ATESB.COM

PROJECT DEVELOPER
SCALE MICROGRIDS
51-53 S BROAD STREET
RIDGEWOOD, NJ 07450
CONTACT: ERIC TRAN
PHONE: (626) 345-8500
EMAIL: ETRAN@SCALEMICROGRIDS.COM

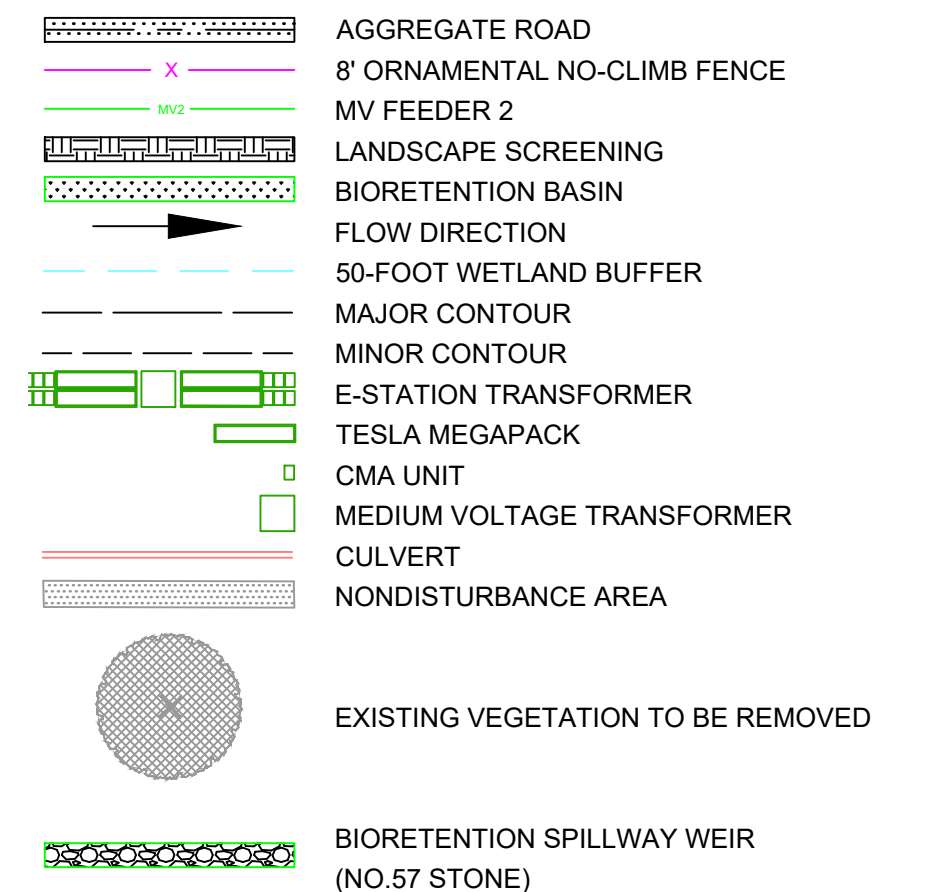
SYSTEM SUMMARY

SYSTEM DURATION	4 HOURS
SITE OUTPUT POWER (@ POI)	30 MW _{ac}
SITE BESS CAPACITY (@ POI)	120 MWh
BESS MFR	TESLA
BESS MODEL	MEGAPACK_2XL
BESS CONTAINER NOMINAL POWER (4 HR)	979.2 kW
BESS CONTAINER NOMINAL ENERGY (4 HR)	3,916 kWh
BESS CONTAINER QUANTITY (INITIAL INSTALL)	36
MEDIUM VOLTAGE XFMR OUTPUT VOLTAGE	34.5 kV
MEDIUM VOLTAGE XFMR OUTPUT	4.4 MVA (@ 40°C)
MEDIUM VOLTAGE XFMR QUANTITY	9

EXISTING FEATURES



PROPOSED FEATURES



EROSION CONTROL FEATURES



NOTES
GREENBARK 30 BATTERY ENERGY STORAGE

SCALE MICROGRIDS
NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND)
GOLETA, CA

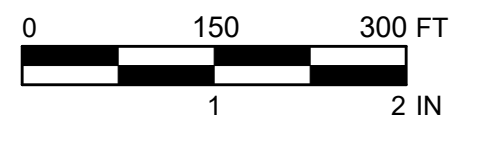
SCALE	AS NOTED	DESIGNED BY	PROJECT NUMBER	DISCIPLINE NO.
DATE DRAWN	5/23/25	DRAWN BY	0761941	C
				A
				C-001



Environmental Resources Management

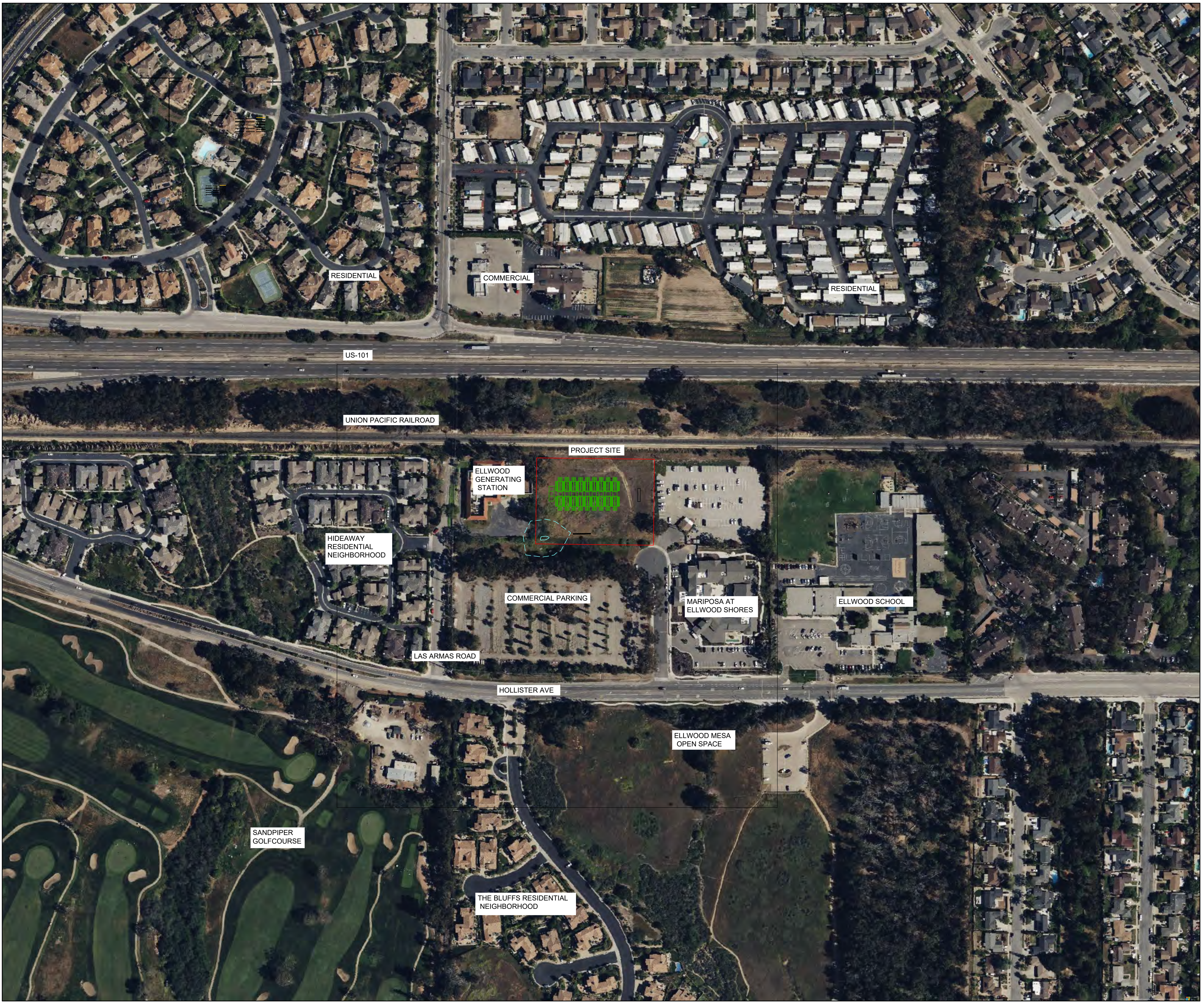


NORTH



LEGEND

EXISTING FEATURES	
	PROPERTY LINE
PROPOSED FEATURES	
	E-STATION TRANSFORMER
	TESLA MEGAPACK
	CMA UNIT
	MEDIUM VOLTAGE TRANSFORMER



Rev.	Date	Description	By	Chk

SITE PLAN AND SURROUNDING USES
GREENBARK 30 BATTERY ENERGY STORAGE

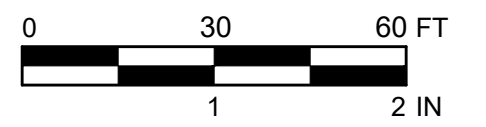
SCALE MICROGRIDS
NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND)
GOLETA, CA

SCALE	AS NOTED	DESIGNED BY	SW	PROJECT NUMBER	0761941
DATE DRAWN	5/23/2025	DRAWN BY	RG		

Environmental Resources Management

DISCIPLINE NO.	C
REV.	A
SHEET NO.	C-200

FILE PATH: G:\temp\GIS\Proposals\GIS\Projects\Greenbark 30 BESS\Pre\Initial\Design\GIS\Site Plan\ERM.dwg C-200 - SITE PLAN_ERM.dwg C-200 - PRINTED ON 5/23/2025 BY Tristan Riba



LEGEND

EXISTING FEATURES

- PROPERTY LINE
- - - EASEMENT LINE
- ROAD CENTER LINE
- ▨ NON-PARTICIPATING BOUNDARIES
- - - EDGE OF ROAD
- - - ALTA SURVEY PARCEL BOUNDARY
- FENCE
- WETLAND
- RAILROAD TRACKS
- OVERHEAD POWER
- STRUCTURE
- ☀ LIGHT
- ⊕ FIRE HYDRANT

PROPOSED FEATURES

- ▨ AGGREGATE ROAD
- 8' ORNAMENTAL NO-CLIMB FENCE
- MV FEEDER 2
- ▨ LANDSCAPE SCREENING
- ▨ BIORETENTION BASIN
- 50-FOOT WETLAND BUFFER
- ▨ BIORETENTION SPILLWAY WEIR (NO.57 STONE)

SYSTEM SUMMARY

SYSTEM DURATION	4 HOURS
SITE OUTPUT POWER (@ POI)	30 MW _{ac}
SITE BESS CAPACITY (@ POI)	120 MWh
BESS MFR	TESLA
BESS MODEL	MEGAPACK_2XL
BESS CONTAINER NOMINAL POWER (4 HR)	979.2 kW
BESS CONTAINER NOMINAL ENERGY (4 HR)	3,916 kWh
BESS CONTAINER QUANTITY (INITIAL INSTALL)	36
MEDIUM VOLTAGE XFMR OUTPUT VOLTAGE	34.5 kV
MEDIUM VOLTAGE XFMR OUTPUT	4.4 MVA (@ 40°C)
MEDIUM VOLTAGE XFMR QUANTITY	9

1. SYSTEM CALCULATIONS AND DESIGN ARE PRELIMINARY AND FOR EXHIBIT PURPOSES ONLY. FINAL SPECIFICATIONS AND DESIGN ARE TO BE DETERMINED PENDING SYSTEM OWNER COORDINATION, EOR REVIEW AND FINALIZED BESS EQUIPMENT SELECTION.
2. BESS BLOCKS AND PCS EQUIPMENT SELECTIONS ARE FOR EXAMPLE PURPOSES ONLY. FINAL PRODUCTS MUST BE DETERMINED BY SYSTEM OWNER OR DEVELOPER. THE ENERGY STORAGE SYSTEM COMPRISING OF THE BESS AND PCS MUST BE CERTIFIED TO THE SECOND EDITION UL 9540.
3. PROJECT LAYOUT AND DESIGN IS PRELIMINARY PENDING FINAL SITE SURVEY. EQUIPMENT SELECTION, FIELD VERIFICATION AND INCORPORATION OF ANY COUNTY OR OTHER AHJ REQUIREMENTS.
4. PROJECT DESIGN AND INSTALLATION SHALL MEET NATIONAL ELECTRIC CODE REQUIREMENTS.
5. UTILITY POINT OF INTERCONNECTION AND COLLECTOR SUBSTATION ARE SHOWN FOR REFERENCE ONLY. PENDING FINAL UTILITY COORDINATION.
6. GATE AND ROAD LOCATIONS ARE PRELIMINARY PENDING FINAL SITE DESIGN.
7. PAD MOUNTED TRANSFORMER LOCATION AND ACREAGE IS PRELIMINARY. PENDING COORDINATION WITH OWNER AND SUBSTATION EOR.
8. NECESSITY FOR PERMANENT OR TEMPORARY GENERATORS TO BE DETERMINED BY OWNER.
9. AUXILIARY SYSTEM DESIGN AND EQUIPMENT IS PRELIMINARY AND SUBJECT TO CHANGE BASED ON FURTHER ENGINEERING OPTIMIZATION.
10. EXCEPT AS NOTED, GENERAL ARRANGEMENT DOES NOT CONSIDER SITE WORK AND CIVIL ENGINEERING REQUIREMENTS.



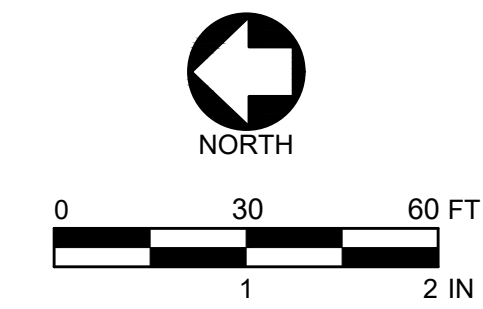
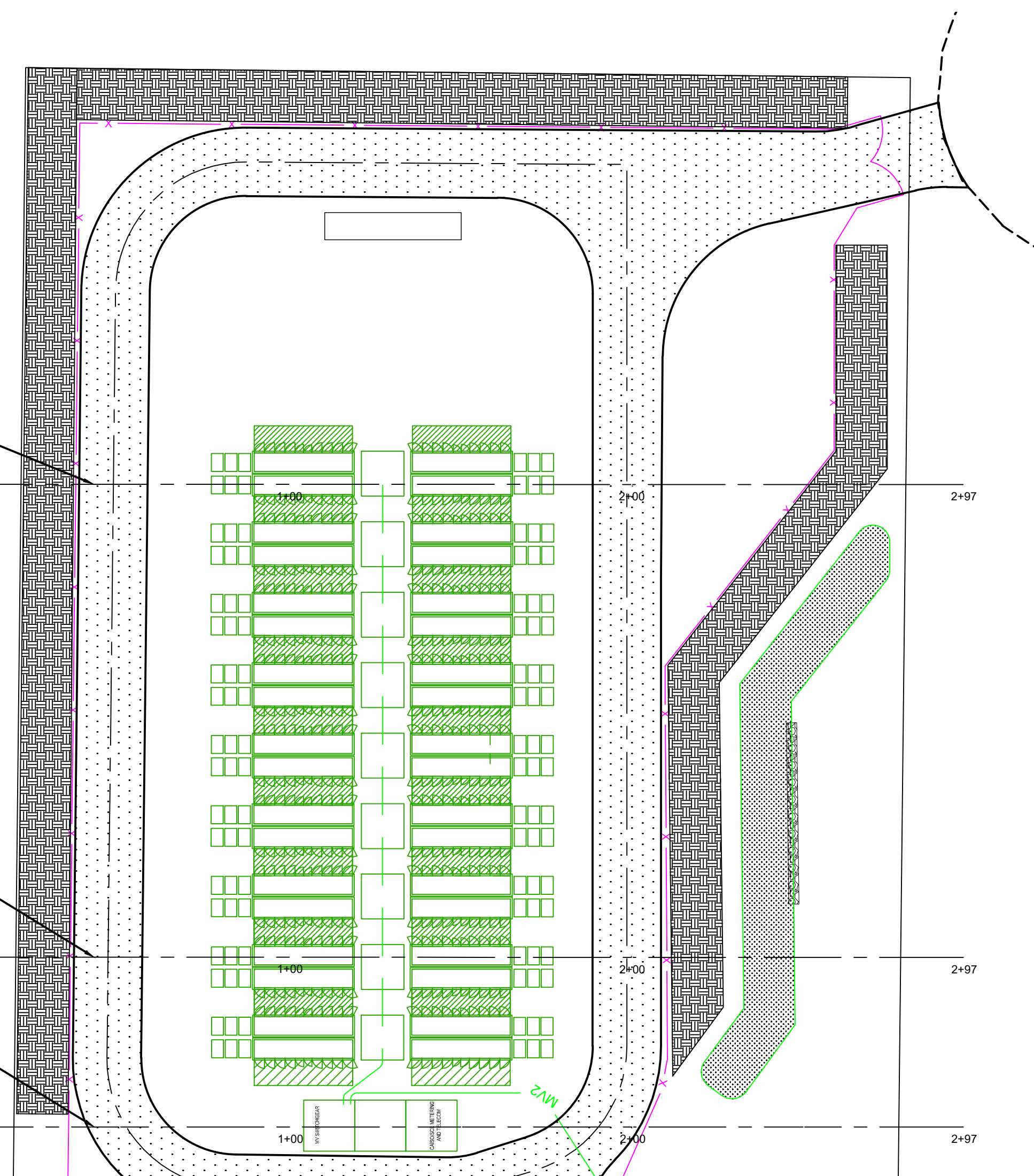
© 2024 Microsoft Corporation © 2024 Maxar © CNES (2)24) Distribution Airbus DS

FILE PATH: C:\Users\pdp\OneDrive\Documents\Greenbark_30_BESS\Proposals\CS&M\Project\GIS\Greenbark_30_BESS\Proposals\Site Plan\2023-151-E-100 - Overall BESS Layout_ERM.dwg C-201, PRINTED ON 5/23/2025 BY Tristan Reilly

Rev.	Date	Description	By	Chk



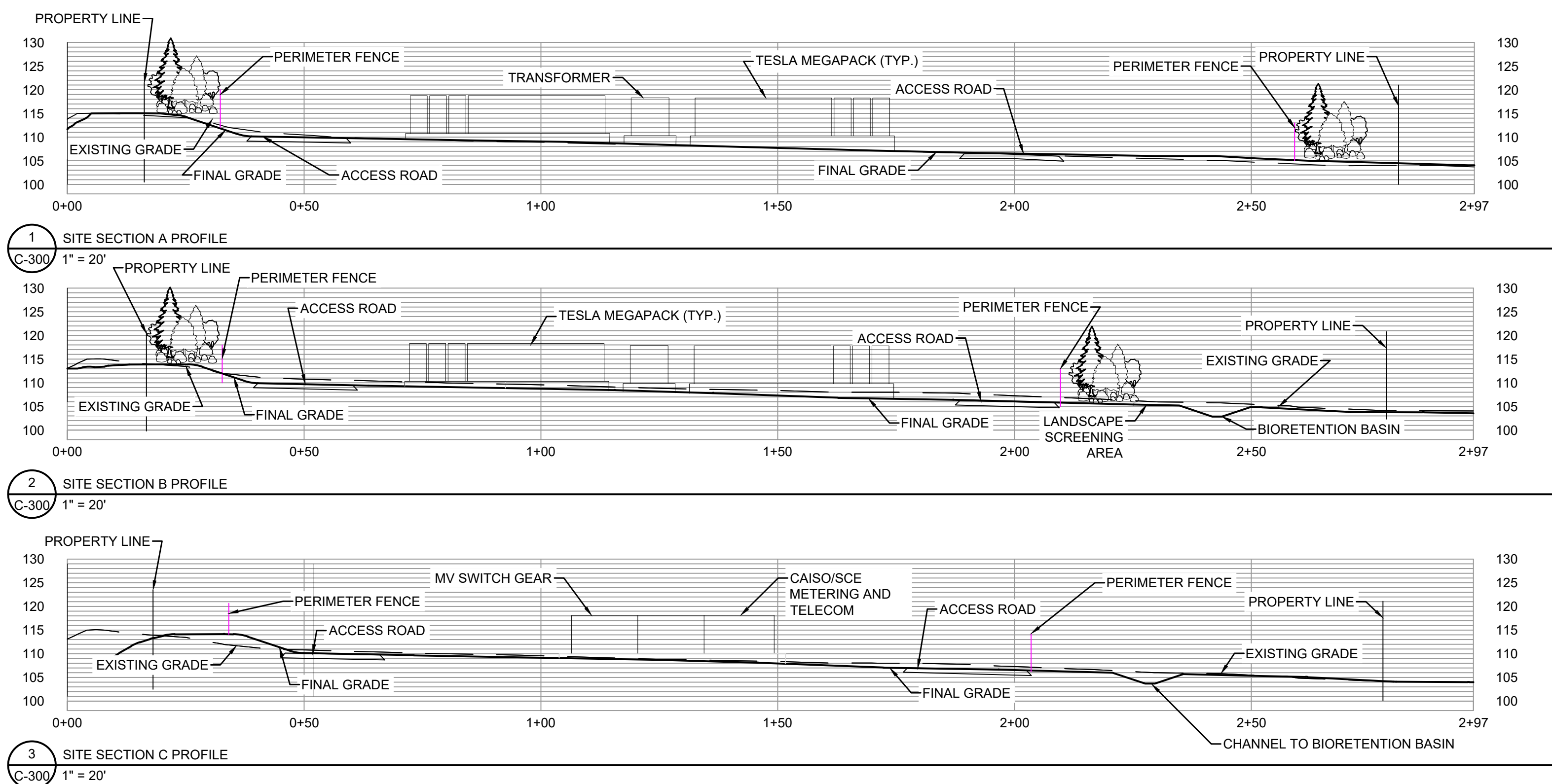
SITE PLAN WITH POINT-OF-INTERCONNECTION GREENBARK 30 BATTERY ENERGY STORAGE			DISCIPLINE C
SCALE: MICROGRI DS NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND) GOLETA, CA			REV. A
SCALE	DESIGNED BY SW	PROJECT NUMBER 0761941	SHEET NO. C-201
DATE DRAWN 5/23/25	DRAWN BY PDD	Environmental Resources Management	



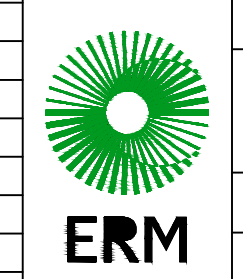
LEGEND

EXISTING FEATURES	
	PROPERTY LINE
	EASEMENT LINE
	ROAD CENTER LINE

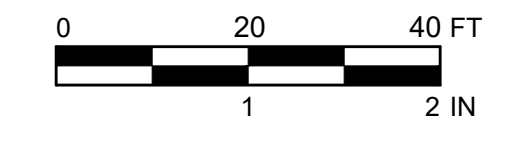
PROPOSED FEATURES	
	AGGREGATE ROAD
	8' ORNAMENTAL NO-CLIMB FENCE
	MV FEEDER 2
	LANDSCAPE SCREENING
	BIORETENTION BASIN
	E-STATION TRANSFORMER
	TESLA MEGAPACK
	CMA UNIT
	MEDIUM VOLTAGE TRANSFORMER
	BIORETENTION SPILLWAY WEIR (NO.57 STONE)



<p>PRELIMINARY SECTIONS (N/S) GREENBARK 30 BATTERY ENERGY STORAGE</p> <p>SCALE: MICROGRIDS NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND) GOLETA, CA</p>				DISCIPLINE C
				REV. A
SCALE AS NOTED	DESIGNED BY SW	PROJECT NUMBER 0761941	SHEET NO. C-300	
DATE DRAWN 5/23/2025	DRAWN BY PDD	Environmental Resources Management		
Rev.	Date	Description	By	Chk



FILE PATH: C:\Users\pdd\OneDrive\Documents\Greenbark_30_BESS\Preliminary Design for CUPREC\Conceptual Site Plan\2023_153_C-300 (only) - PRELIMINARY SECTIONS_ERM.dwg C-300 PRINTED ON 5/21/2025 BY Tisham Rajay



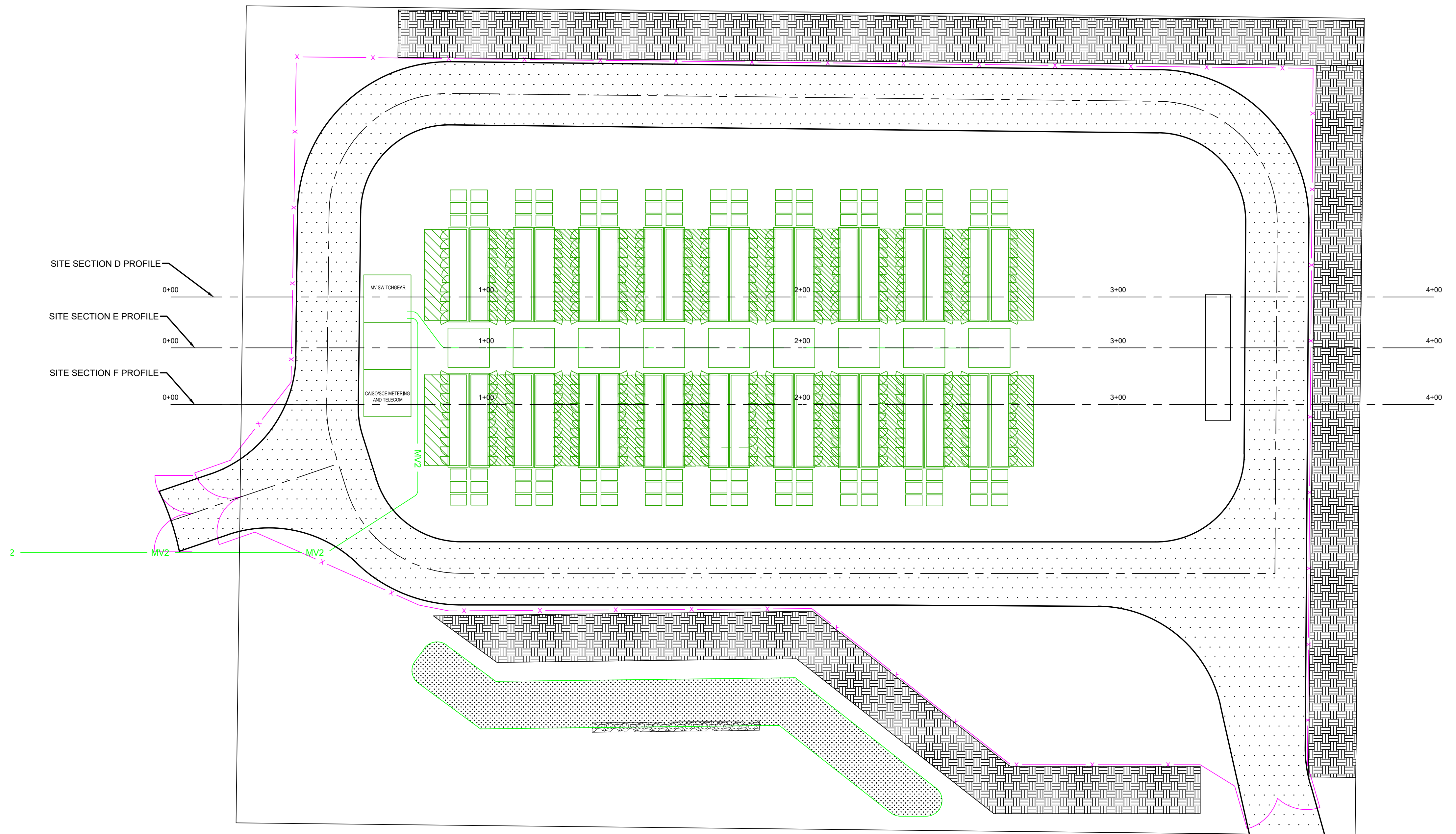
LEGEND

EXISTING FEATURES

- PROPERTY LINE
- - - EASEMENT LINE
- - - ROAD CENTER LINE

PROPOSED FEATURES

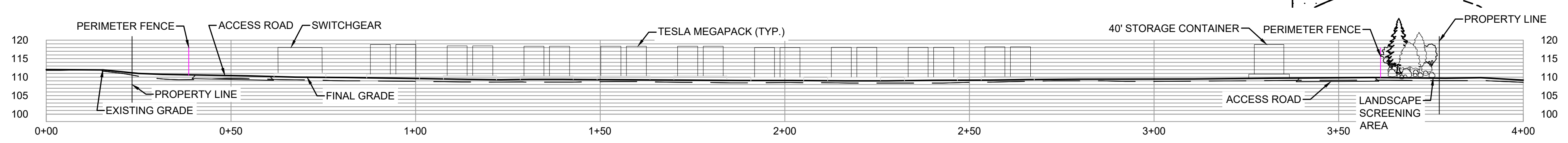
- AGGREGATE ROAD
- 8' ORNAMENTAL NO-CLIMB FENCE
- MV FEEDER 2
- LANDSCAPE SCREENING
- BIORETENTION BASIN
- E-STATION TRANSFORMER
- TESLA MEGAPACK
- CMA UNIT
- MEDIUM VOLTAGE TRANSFORMER
- BIORETENTION SPILLWAY WEIR (NO.57 STONE)



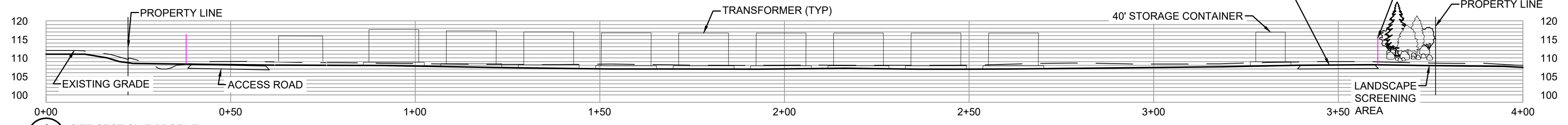
SITE SECTION D PROFILE
0+00

SITE SECTION E PROFILE
0+00

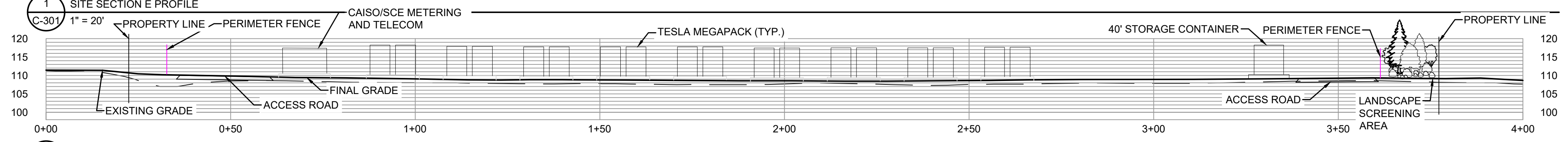
SITE SECTION F PROFILE
0+00



1 SITE SECTION D PROFILE
C-301 1" = 20'

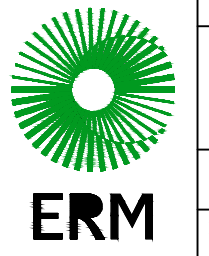


1 SITE SECTION E PROFILE
C-301 1" = 20'



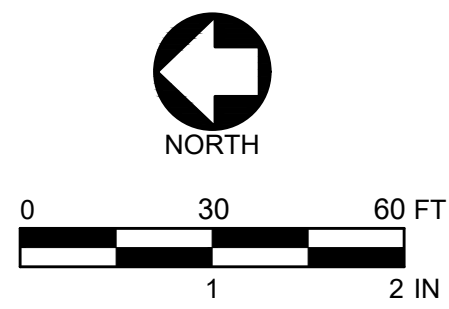
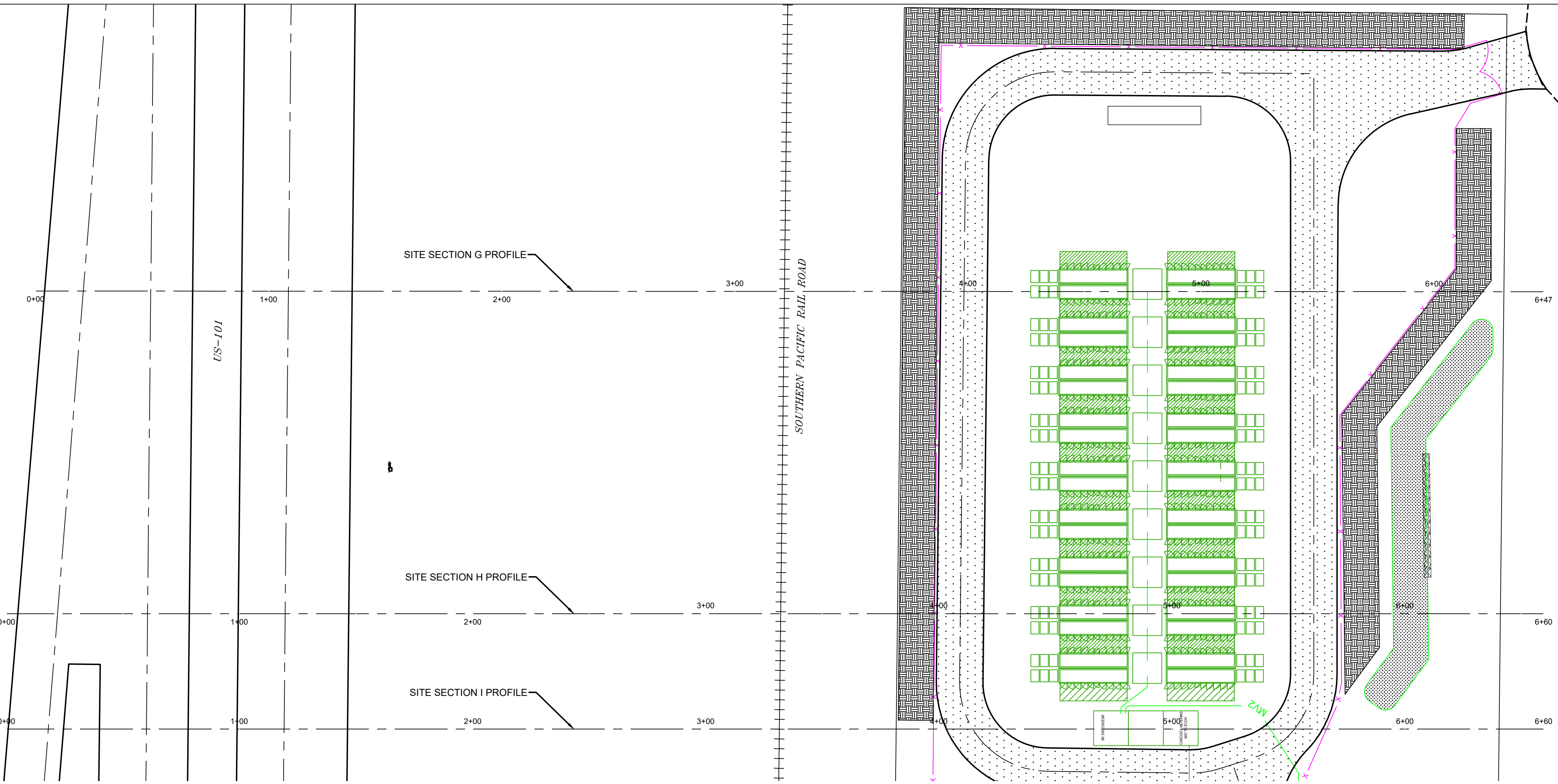
1 SITE SECTION F PROFILE
C-301 1" = 20'

Rev.	Date	Description	By	Chk



PRELIMINARY SECTIONS (W/E) GREENBARK 30 BATTERY ENERGY STORAGE				DISCIPLINE C
SCALE: MICROGRIDS NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND) GOLETA, CA				REV. A
SCALE AS NOTED	DESIGNED BY SW	PROJECT NUMBER 0761941	SHEET NO. C-301	
DATE DRAWN 5/23/2025		DRAWN BY PDD		
Environmental Resources Management				

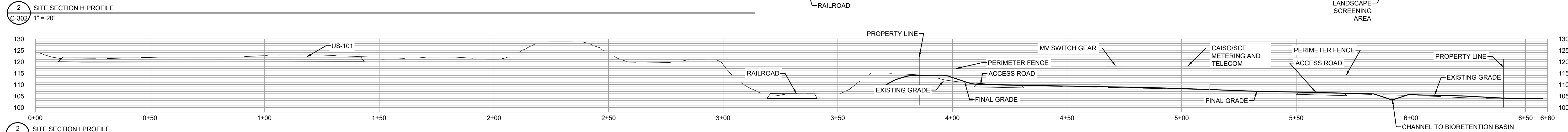
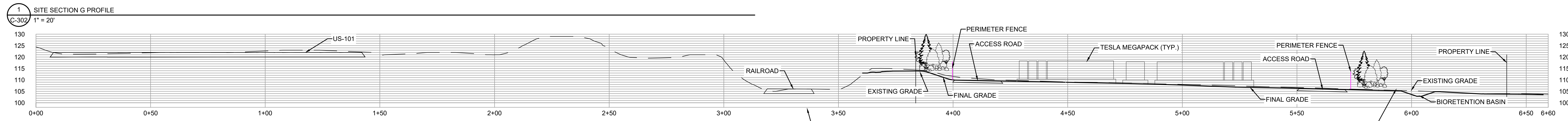
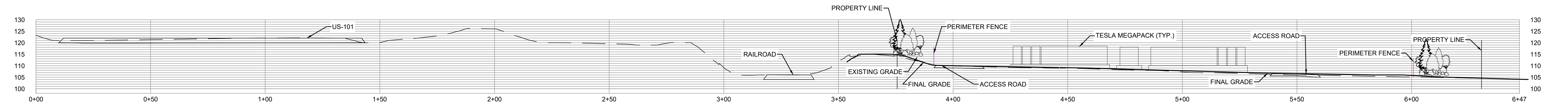
FILE PATH: C:\Users\patt\OneDrive\Documents\Greenbark_30_BESS\Preliminary Design for CUPCE\Conceptual Site Plan\2023-155-C-300 - PRELIMINARY SECTIONS_ERM.dwg C-301 PRINTED ON: 5/23/2025 BY: Trestle Riley



LEGEND

- EXISTING FEATURES**
- PROPERTY LINE
 - - - EASEMENT LINE
 - - - ROAD CENTER LINE

- PROPOSED FEATURES**
- ▨ AGGREGATE ROAD
 - 8' ORNAMENTAL NO-CLIMB FENCE
 - MV FEEDER 2
 - ▨ LANDSCAPE SCREENING
 - ▨ BIORETENTION BASIN
 - ▨ E-STATION TRANSFORMER
 - ▨ TESLA MEGAPACK
 - CMA UNIT
 - MEDIUM VOLTAGE TRANSFORMER
 - ▨ BIORETENTION SPILLWAY WEIR (NO.57 STONE)



1 SITE SECTION G PROFILE
C-302 1" = 20'

2 SITE SECTION H PROFILE
C-302 1" = 20'

2 SITE SECTION I PROFILE
C-302 1" = 20'

Rev.	Date	Description	By	Chk



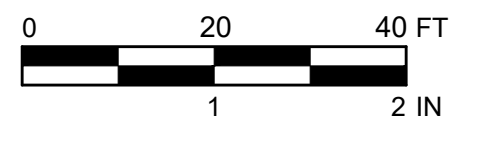
**PRELIMINARY SECTIONS (EXTENDED N/S)
GREENBARK 30 BATTERY ENERGY STORAGE**

SCALE: MICROGRIDS
NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND)
GOLETA, CA

SCALE	AS NOTED	DESIGNED BY	PROJECT NUMBER
DATE DRAWN	5/23/2025	DRAWN BY	0761941

Environmental Resources Management

DISCIPLINE	C
REV.	A
SHEET NO.	C-302



LEGEND

EXISTING FEATURES

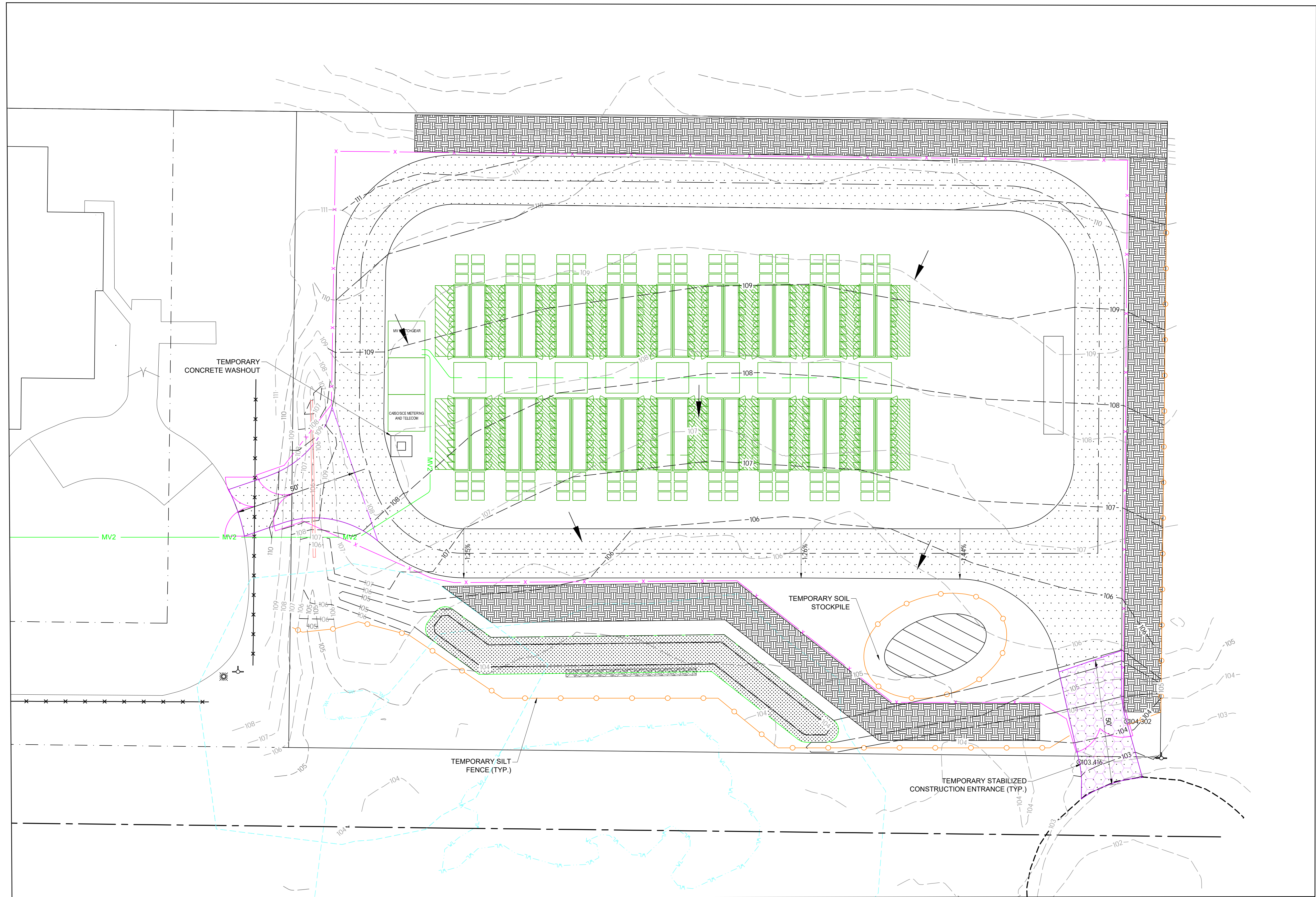
- PROPERTY LINE
- - - EASEMENT LINE
- - - ROAD CENTER LINE
- ▨ NON-PARTICIPATING BOUNDARIES
- - - EDGE OF ROAD
- - - ALTA SURVEY PARCEL BOUNDARY
- × × × FENCE
- WL — WETLAND
- MAJOR CONTOUR
- MINOR CONTOUR
- ☀ LIGHT
- ⊕ FIRE HYDRANT

PROPOSED FEATURES

- ▨ AGGREGATE ROAD
- × 8' ORNAMENTAL NO-CLIMB FENCE
- MV2 MV FEEDER 2
- ▨ LANDSCAPE SCREENING
- ▨ BIORETENTION BASIN
- FLOW DIRECTION
- 50-FOOT WETLAND BUFFER
- MAJOR CONTOUR
- MINOR CONTOUR
- ⊕ E-STATION TRANSFORMER
- ⊕ TESLA MEGAPACK
- ⊕ CMA UNIT
- ⊕ MEDIUM VOLTAGE TRANSFORMER
- CULVERT
- ▨ BIORETENTION SPILLWAY WEIR (NO.57 STONE)

EROSION CONTROL FEATURES

- SILT FENCE
- ▨ STABILIZED CONSTRUCTION ENTRANCE
- ▨ SOIL STOCKPILE



Rev.	Date	Description	By	Chk

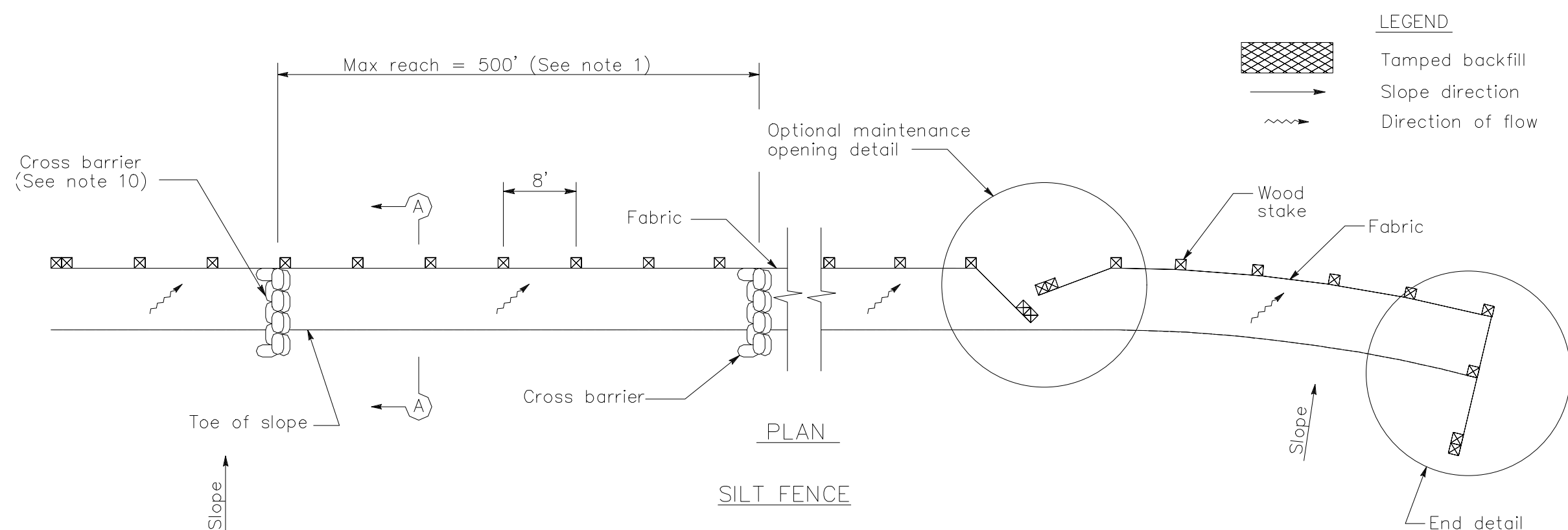


PRELIMINARY ESC PLAN
GREENBACK 30 BATTERY ENERGY STORAGE

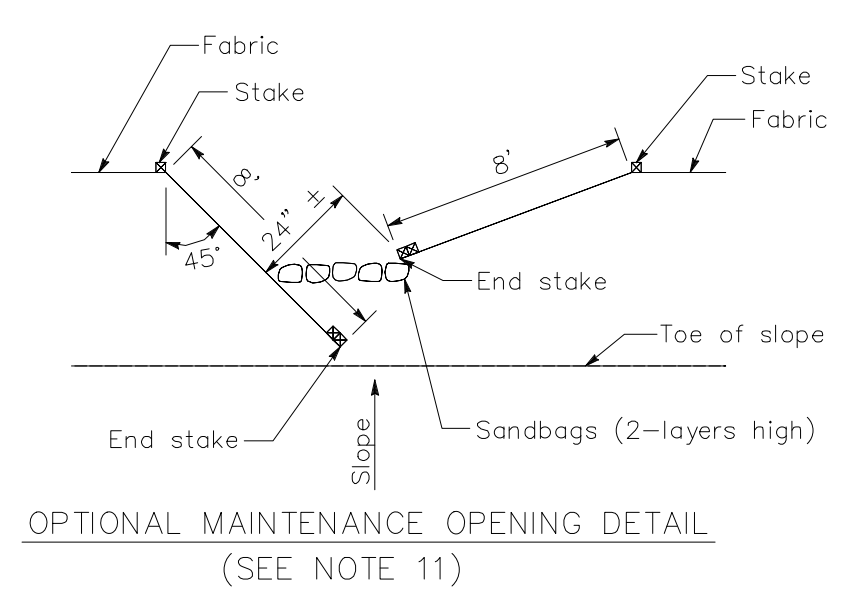
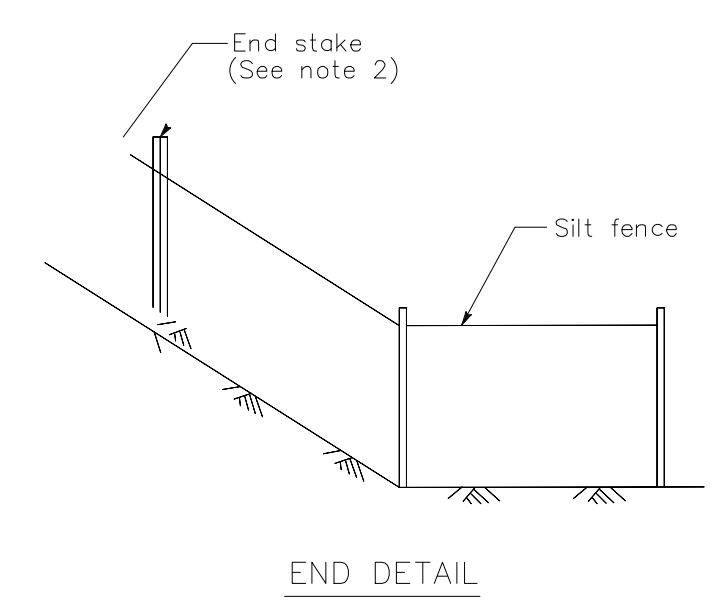
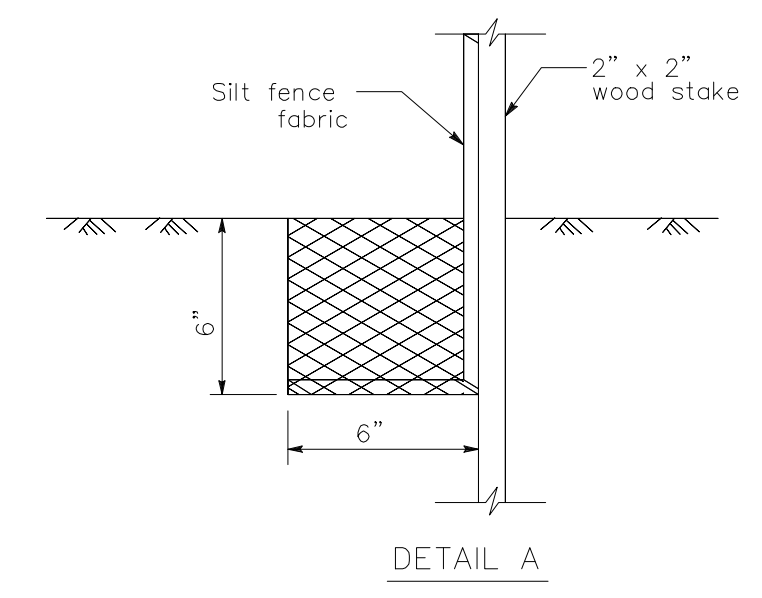
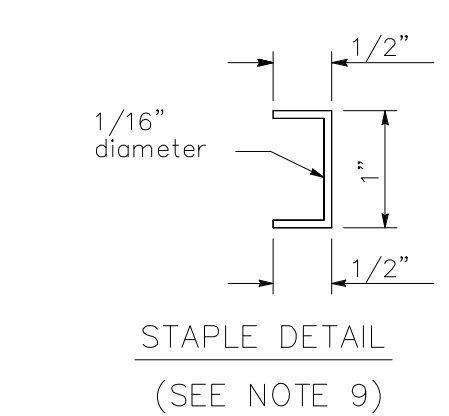
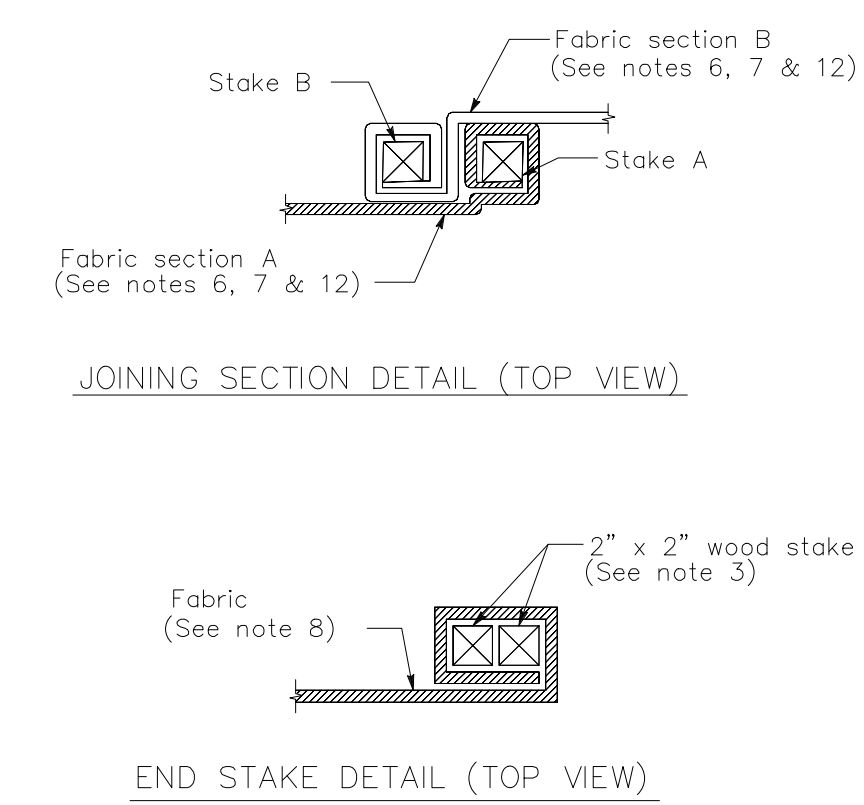
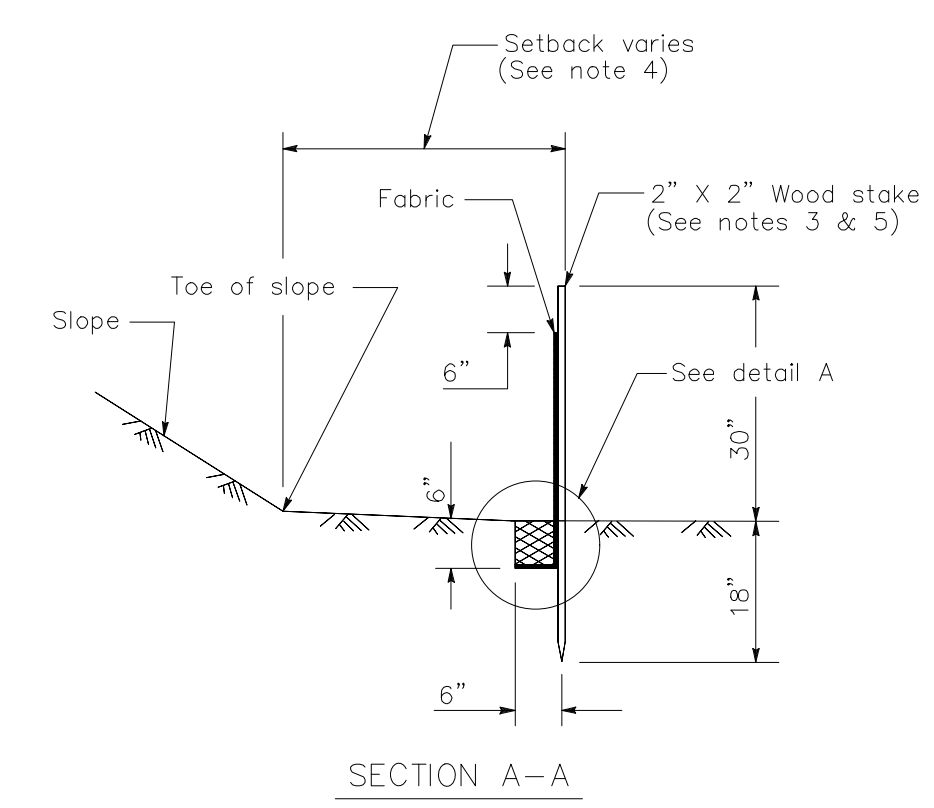
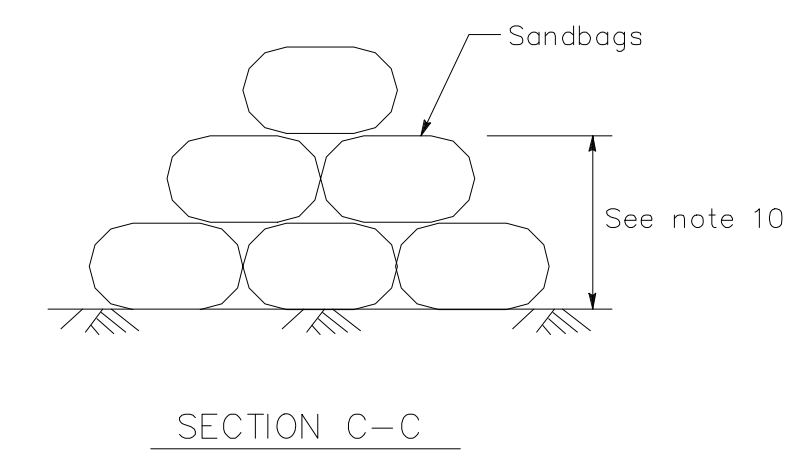
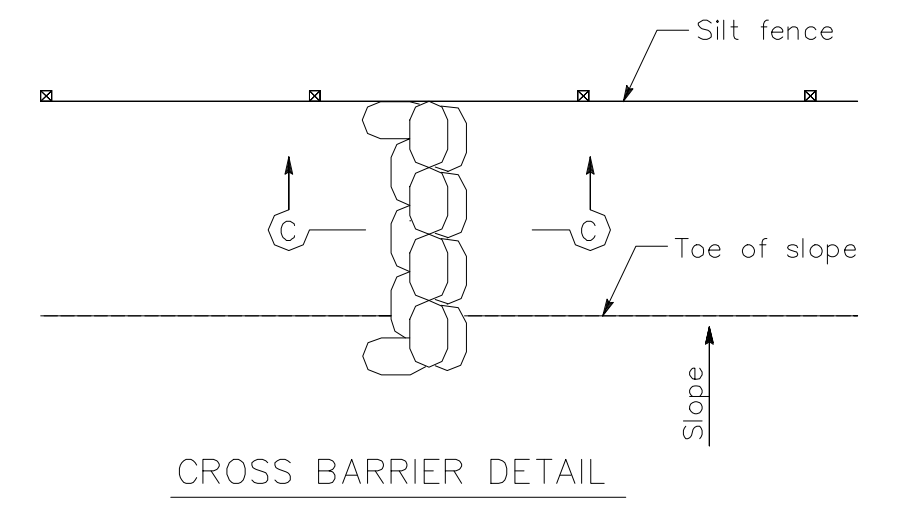
SCALE: METRIC
NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND)
GOLETA, CA

SCALE: AS NOTED	DESIGNED BY: SW	PROJECT NUMBER: 0761941	DISCIPLINE NO.: C
DATE DRAWN: 5/23/2025	DRAWN BY: CNS		REV: A
Environmental Resources Management			SHEET NO.: C-400

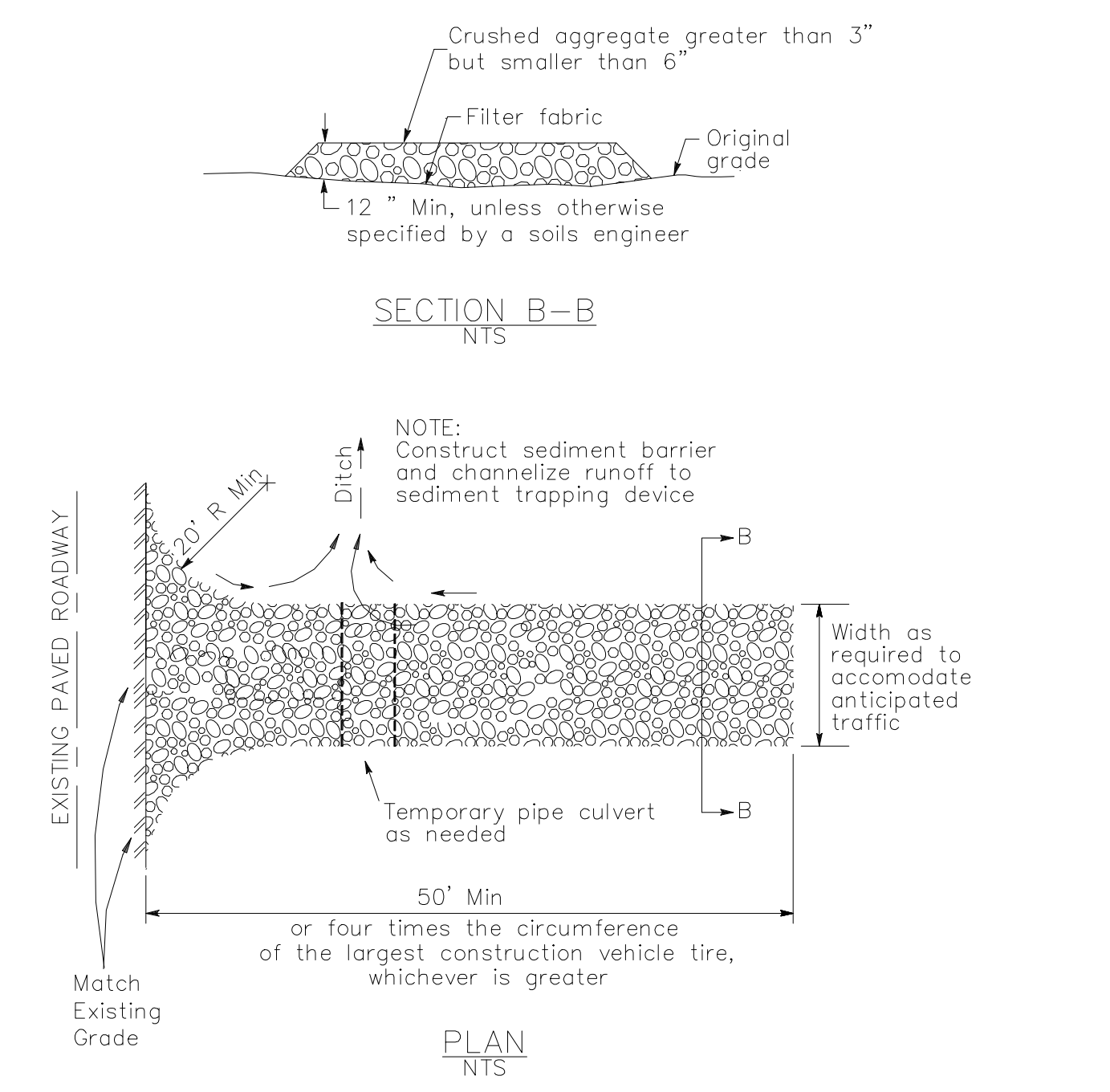
FILE PATH: C:\Users\p\Documents\Projects\Greenback 30\BESS\Preliminary Design for CUP\ESC\Conceptual Site Plan\2023-133 - ESC PLAN and ESC PLAN - PRINTED ON 5/14/2025 BY: Trianan Riley



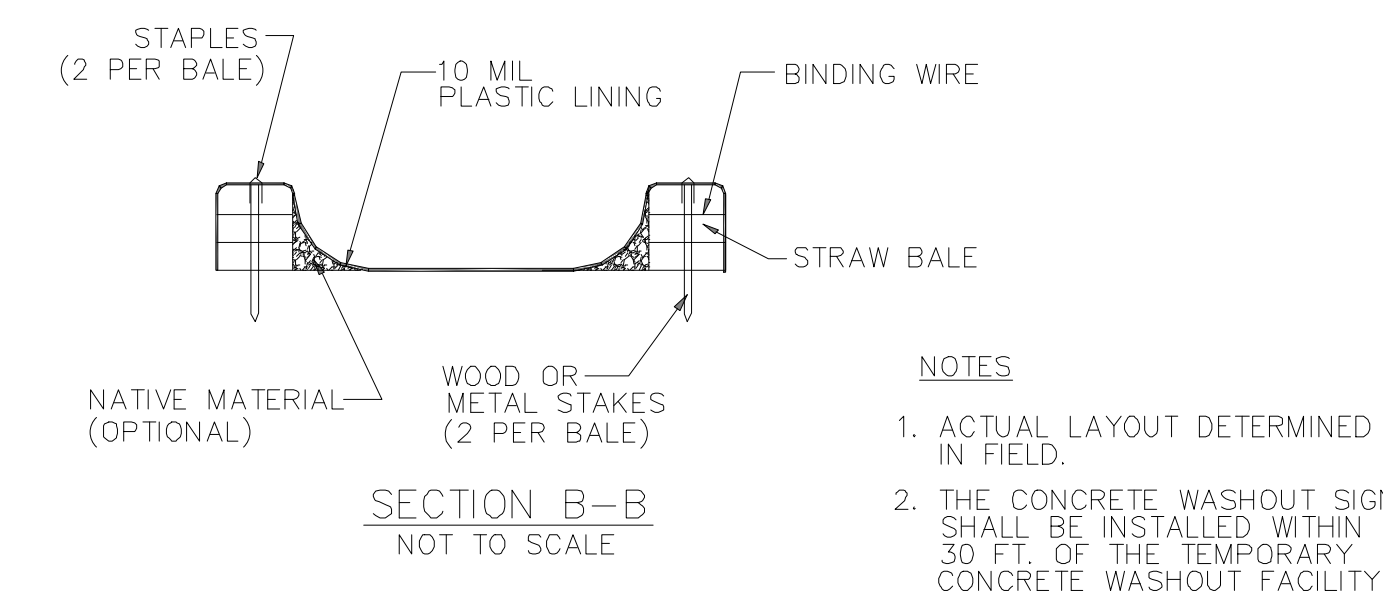
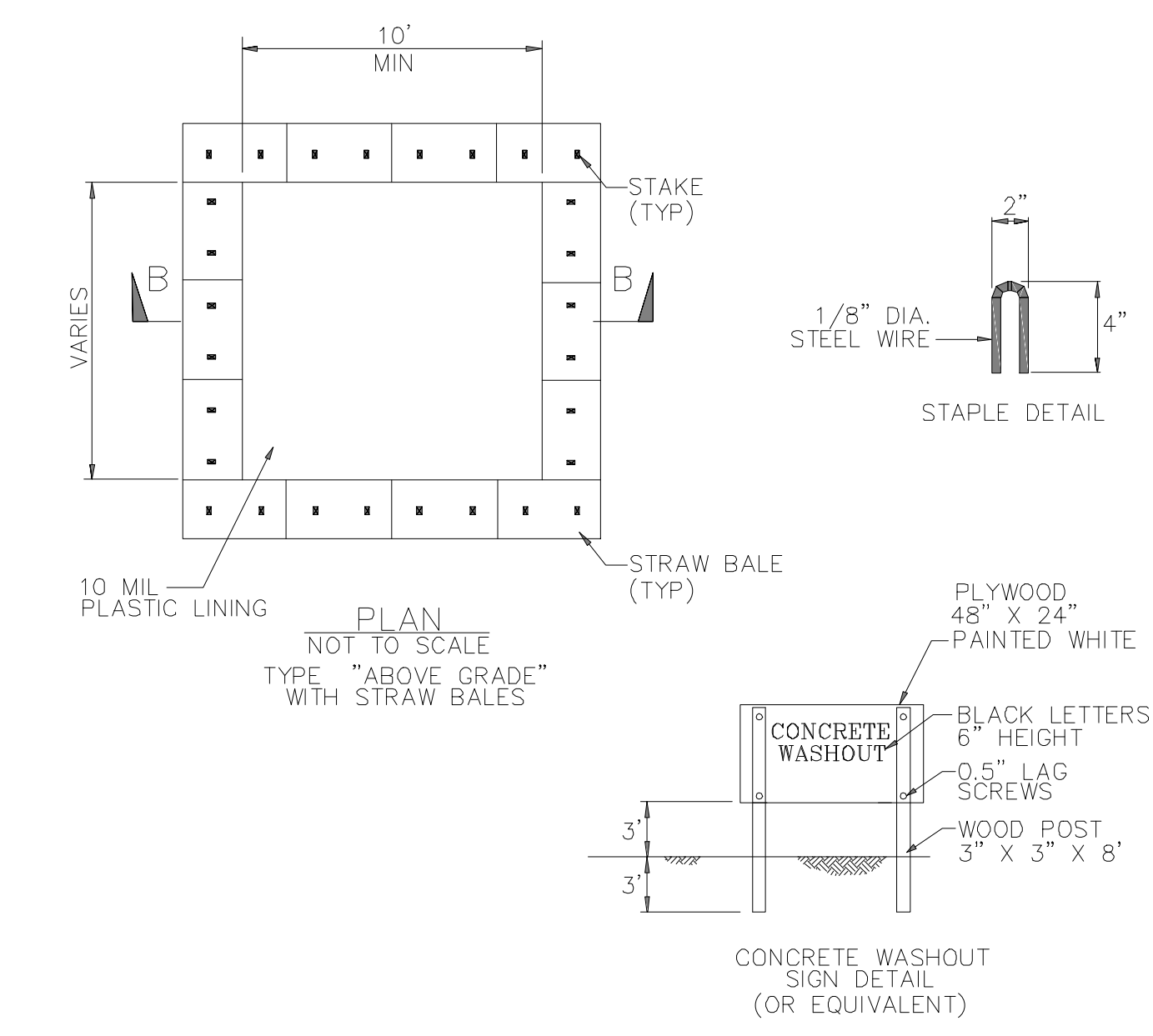
- NOTES**
- Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 500'.
 - The last 8'-0" of fence shall be turned up slope.
 - Stake dimensions are nominal.
 - Dimension may vary to fit field condition.
 - Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
 - Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
 - Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
 - For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
 - Minimum 4 staples per stake. Dimensions shown are typical.
 - Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
 - Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
 - Joining sections shall not be placed at sump locations.
 - Sandbag rows and layers shall be offset to eliminate gaps.



SILT FENCE

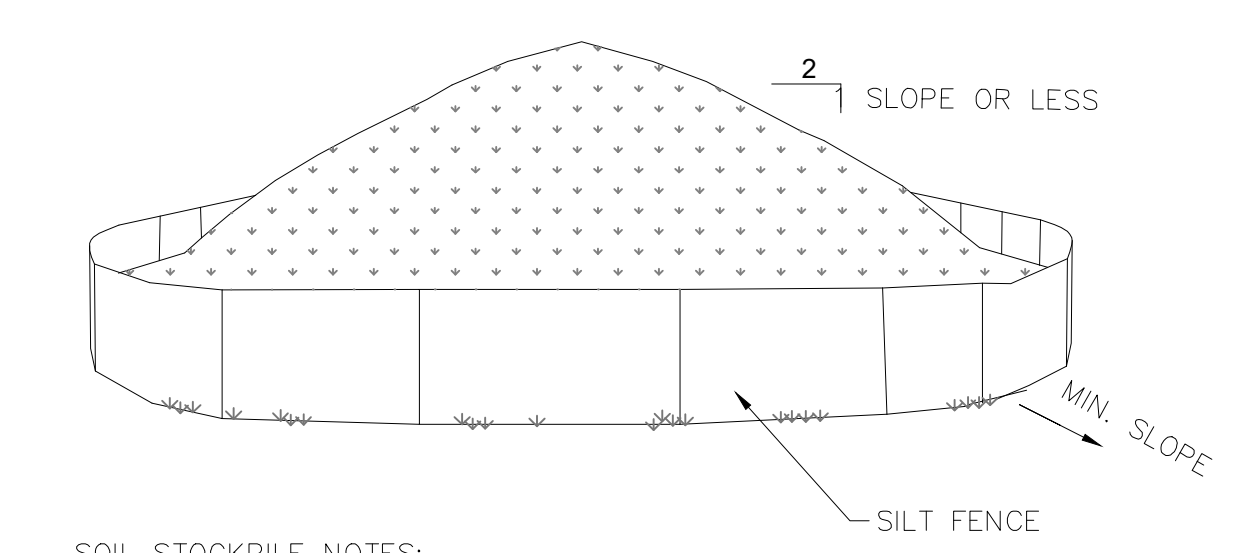


STABILIZED CONSTRUCTION ENTRANCE



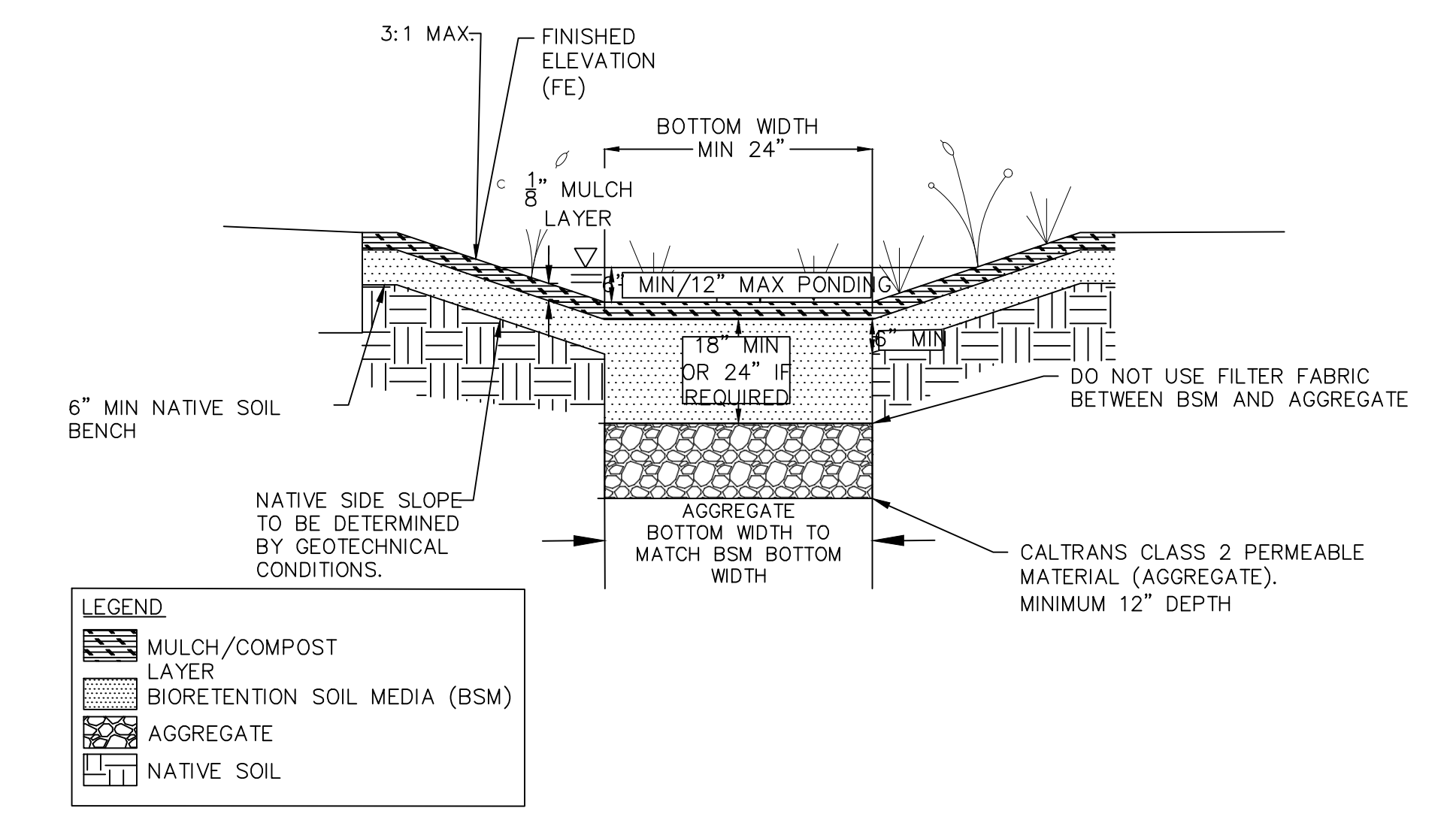
- NOTES**
- ACTUAL LAYOUT DETERMINED IN FIELD.
 - THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT



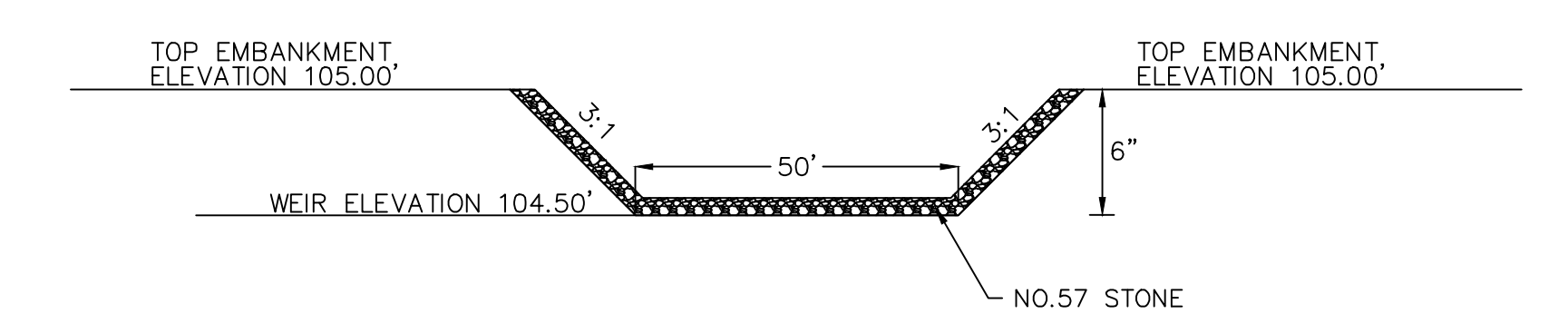
- SOIL STOCKPILE NOTES:**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 - MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
 - UPON COMPLETION OF SOIL STOCKPILING, SURROUND EACH PILE WITH SILT FENCING, THEN STABILIZE WITH SEED AND MULCH IN ACCORDANCE WITH SITE SPECIFIC SWPPP.
 - SEE DETAILS FOR INSTALLATION OF SILT FENCE.
 - STOCKPILE HEIGHT NOT TO EXCEED 20 FEET IN HEIGHT.

SOIL STOCKPILE



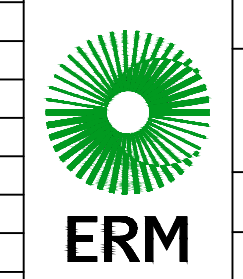
- CONSTRUCTION NOTES**
- SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
 - FACILITY EXCAVATION TO ALLOW FOR SPECIFIED AGGREGATE, BSM, AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
 - PLACE BSM IN 6" LIFTS. COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. LET DRY OVERNIGHT BEFORE PLANTING.
 - DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
 - KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
 - STORMWATER SHOULD BE DIRECTED AWAY FROM BIORETENTION UNTIL CONSTRUCTION IS COMPLETE AND DRAINAGE AREA VEGETATION IS STABILIZED.

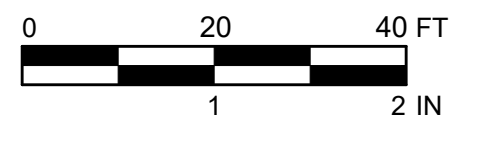
BIORETENTION BASIN



BIORETENTION SPILLWAY (WEIR)

ESC DETAILS GREENBACK 30 BATTERY ENERGY STORAGE				DISCIPLINE NO. C
SCALE MI CROGRI DS NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND) GOLETA, CA				REV. A
SCALE AS-NOTED	DESIGNED BY SW	PROJECT NUMBER 0761941	SHEET NO. C-401	
DATE DRAWN 5/23/2025	DRAWN BY CNS	Environmental Resources Management		
Rev.	Date	Description	By	Chk

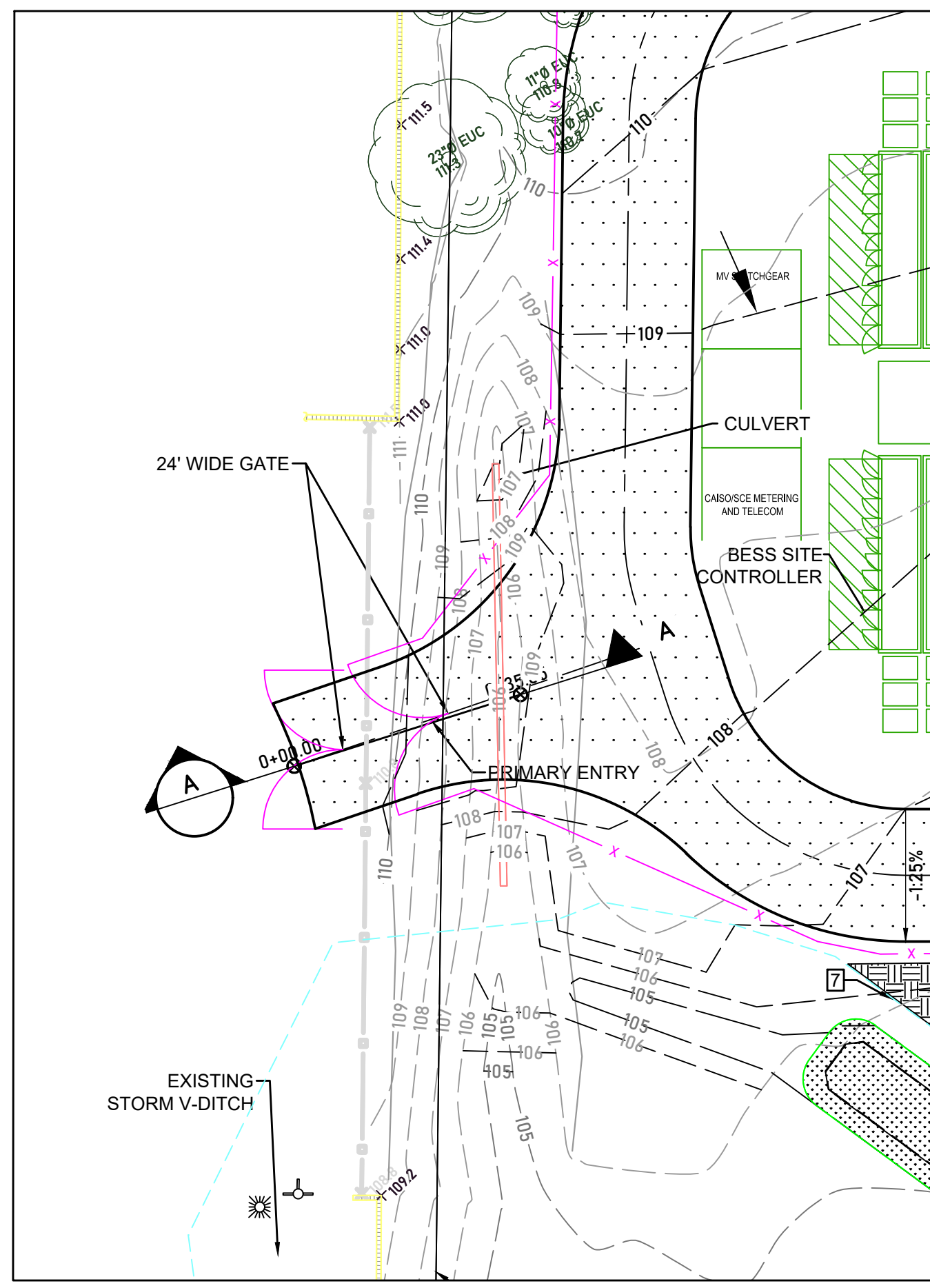




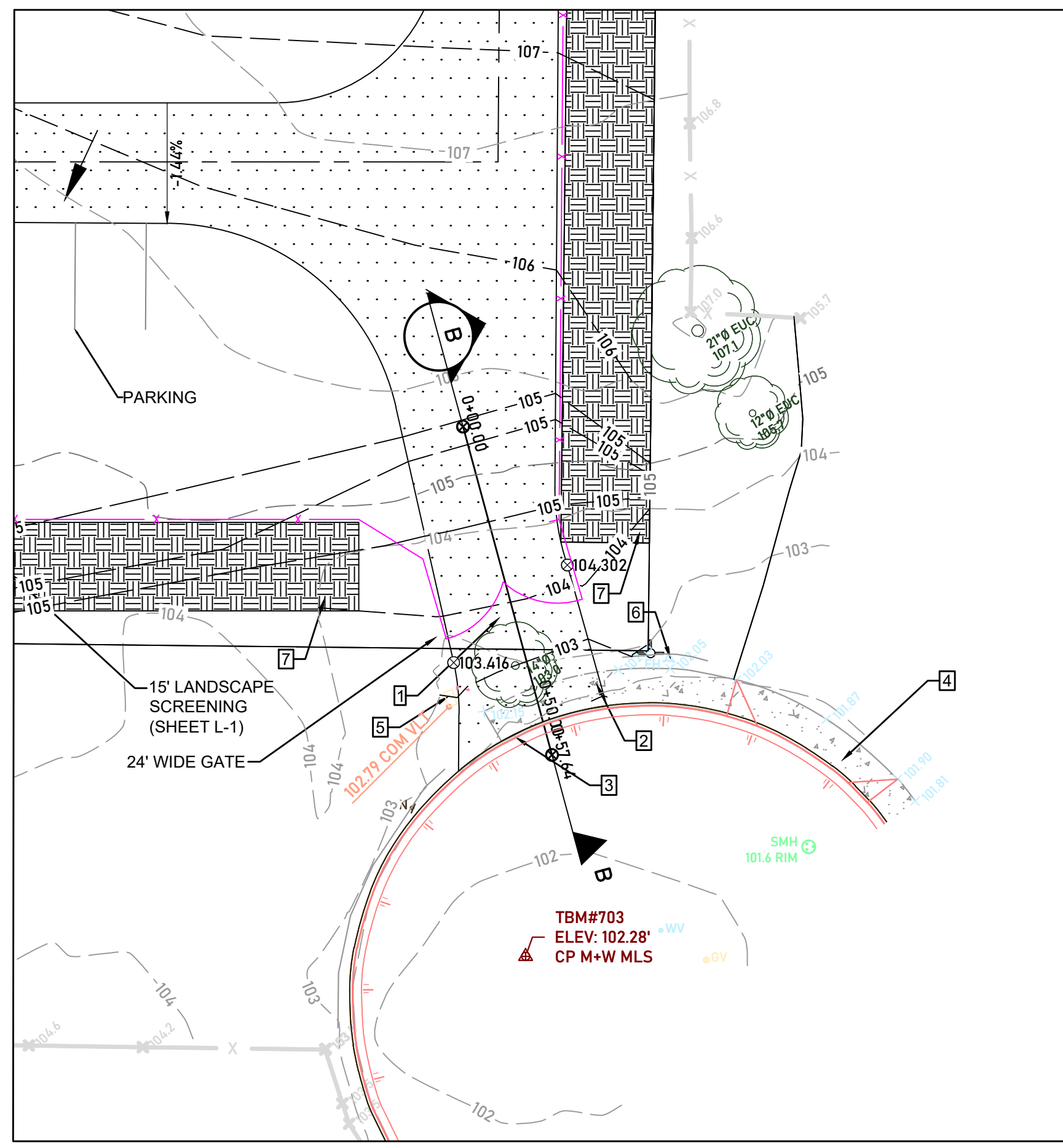
LEGEND

EXISTING FEATURES	
	PROPERTY LINE
	EASEMENT LINE
	ROAD CENTER LINE
	NON-PARTICIPATING BOUNDARIES
	EDGE OF ROAD
	ALTA SURVEY PARCEL BOUNDARY
	MAJOR CONTOUR
	MINOR CONTOUR
	LIGHT
	FIRE HYDRANT
	EXISTING VEGETATION TO REMAIN

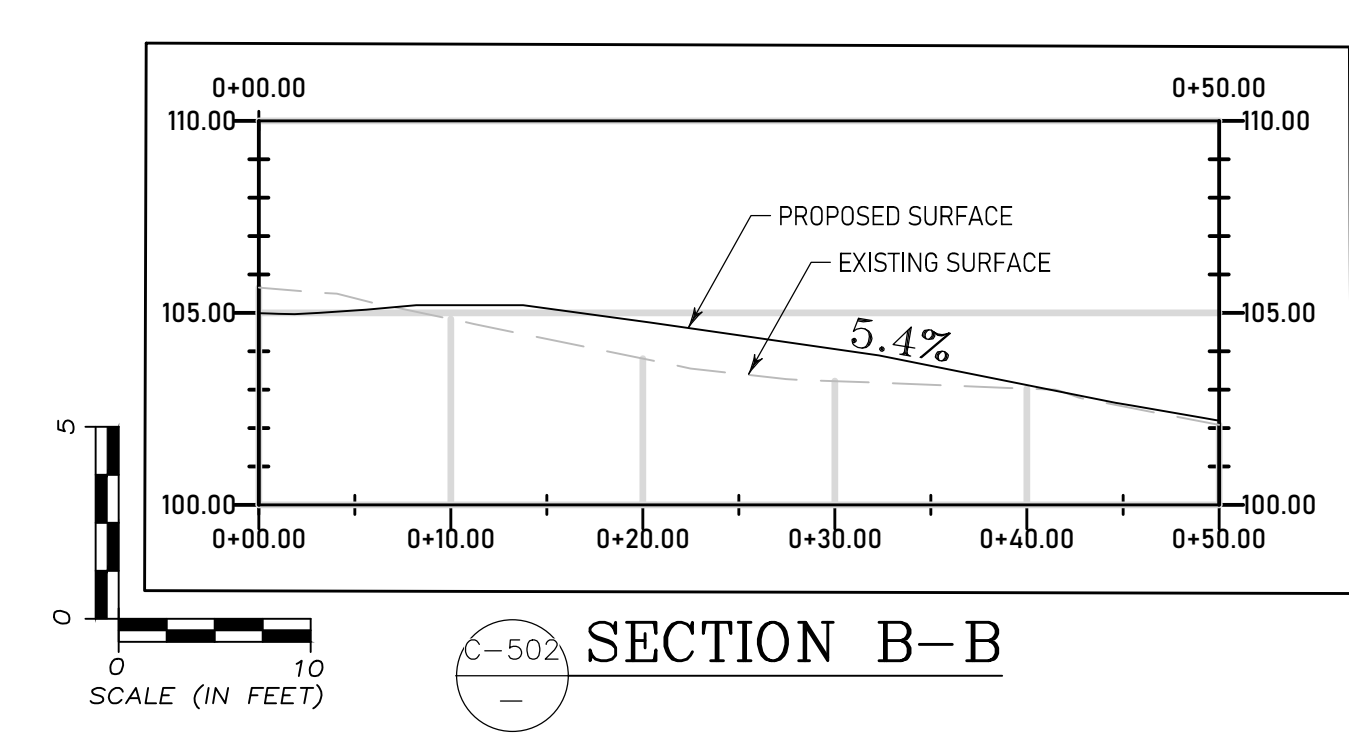
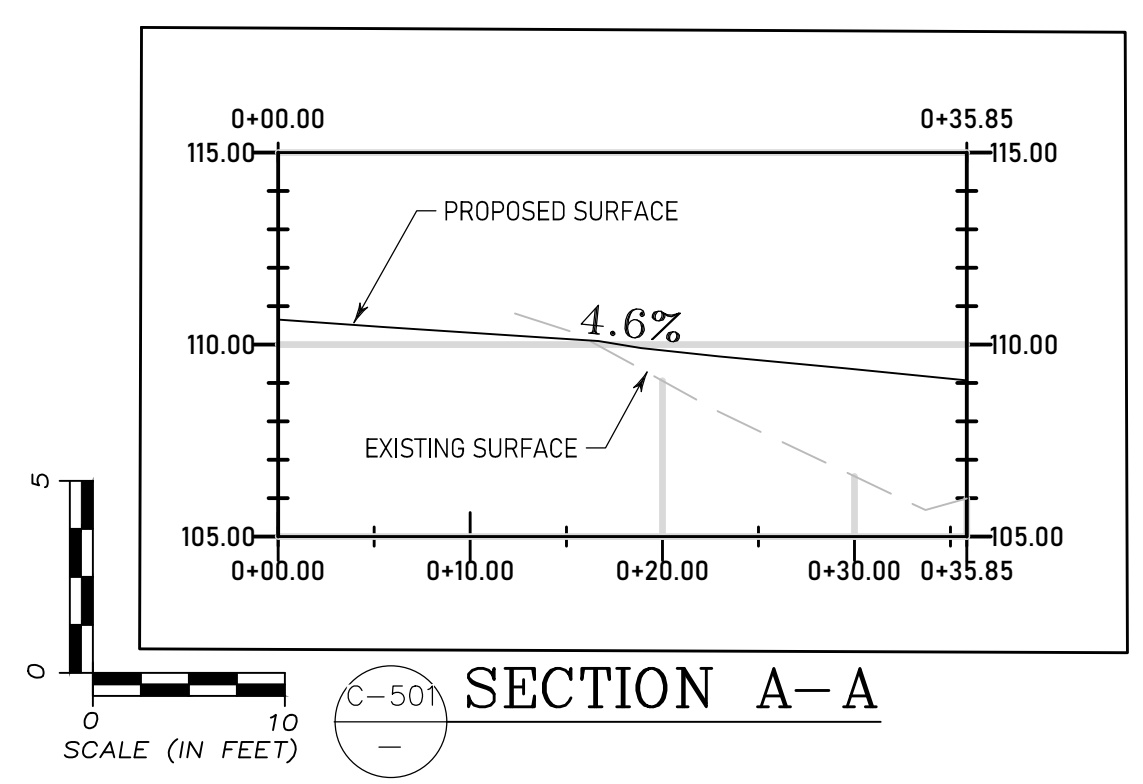
PROPOSED FEATURES	
	AGGREGATE ROAD
	8' ORNAMENTAL NO-CLIMB FENCE
	LANDSCAPE SCREENING
	BIORETENTION BASIN
	MAJOR CONTOUR
	MINOR CONTOUR



WEST SITE ENTRANCE



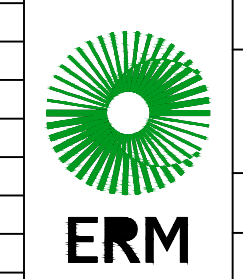
SOUTHEAST SITE ENTRANCE



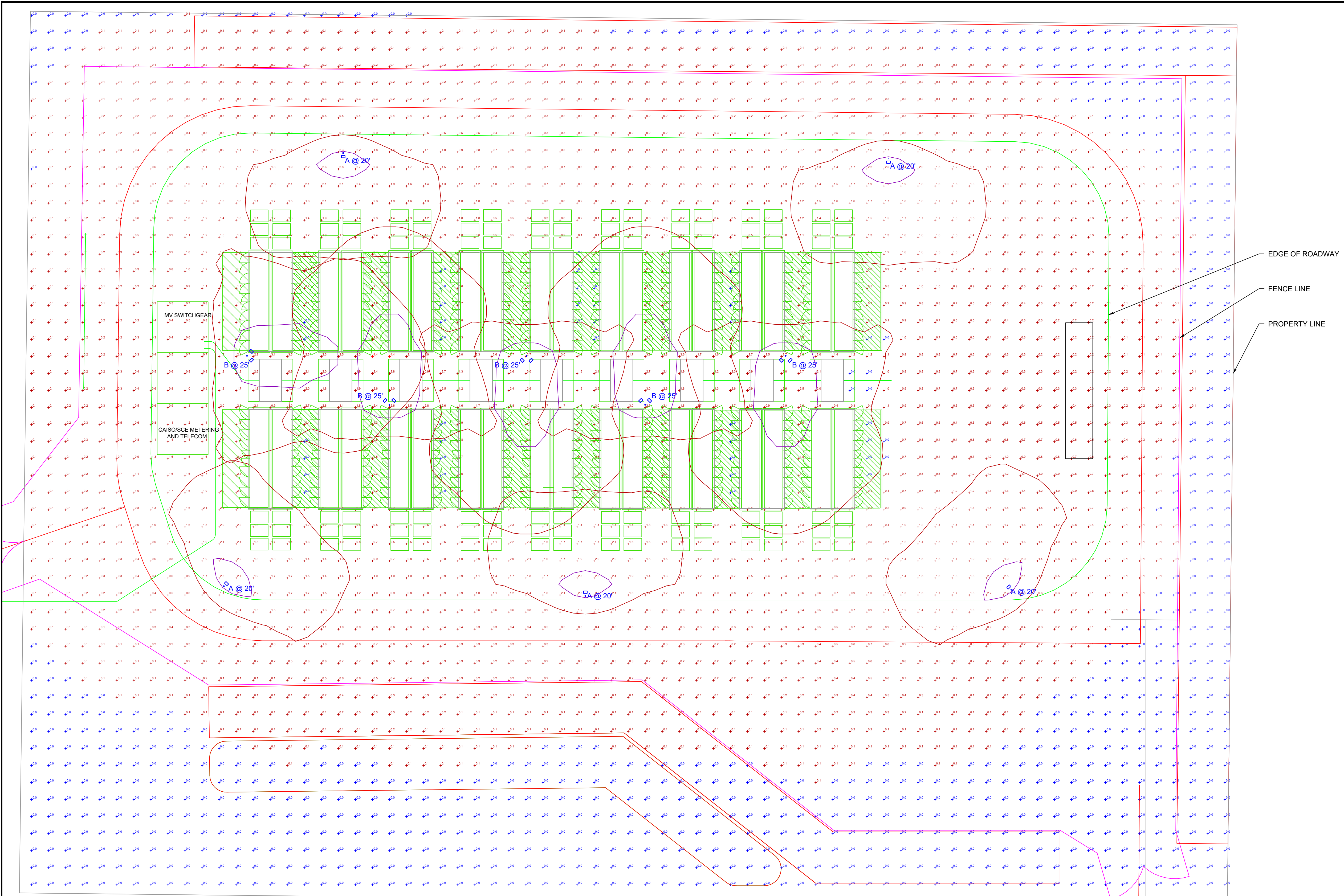
SPECIFIC CONSTRUCTION NOTES THIS SHEET:
(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN BOX ON DRAWING)

- PROPOSED SITE ENTRANCE GRAVEL SURFACE.
- REMOVE EXISTING SIDEWALK.
- REMOVE EXISTING CURB.
- PROTECT EXISTING SIDEWALK.
- PROTECT EXISTING UTILITIES.
- EXISTING FIRE HYDRANT TO REMAIN.
- PROPOSED LANDSCAPE AREA PER LANDSCAPE ARCHITECT.

OFFSITE IMPROVEMENTS PLAN GREENBARK 30 BATTERY ENERGY STORAGE				DISCIPLINE C
SCALE MICROGRIDS NORTHERN TERMINUS OF VAJERO DRIVE (NO ADDRESS FOUND) GOLETA, CA				REV. A
SCALE AS NOTED	DESIGNED BY SW	PROJECT NUMBER 0761941	SHEET NO. C-500	
DATE DRAWN 5/23/2025	DRAWN BY PDD	Environmental Resources Management		
Rev.	Date	Description	By	Chk



FILE PATH: G:\Armadillo\Proposals\CSB\Projects\Greenbark 30 BESS\Pre\Initial\Design for CUP\GIS\Improvements Plan\Map C-500 - OFFSITE IMPROVEMENTS PLAN.dwg C-500 - PRINTED ON 5/21/2025 BY: Tristan Ralphy



EDGE OF ROADWAY
FENCE LINE
PROPERTY LINE

Schedule											Statistics				
Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Description	Symbol	Avg	Max	Min
	A		5	DSX0 LED P3 30K T3M MVOLT HS	DSX0 LED P3 30K T3M MVOLT with houseside shield	LED	1	6172	0.85	71	Calc Zone #1	+	0.5 fc	4.4 fc	0.0 fc
	B		5	DSX0 LED P3 30K T3M MVOLT HS	DSX0 LED P3 30K T3M MVOLT with houseside shield	LED	1	6172	0.85	142					

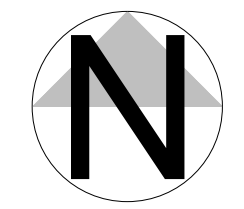
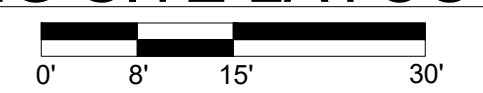
Luminaire Locations	
Label	MH
A	20.00
A	20.00
A	20.00
A	20.00
A	20.00
B	25.00
B	25.00
B	25.00
B	25.00
B	25.00

DRAWING ISSUE	DATE	DB	CB
PHOTOMETRIC STUDY	1/16/2025	RO	EG
#	1		


PROJECT NO.: 24167
DRAWING TITLE
LIGHTING SITE LAYOUT

DRAWING NUMBER
E260

1 LIGHTING SITE LAYOUT
1" = 15'



D-Series Size 0 LED Area Luminaire



Specifications

EPA: 0.44 f² (0.4 m²)

Length: 26.18" (0.7 m)

Width: 14.06" (0.3 m)

Height H1: 2.26" (0.06 m)

Height H2: 7.44" (0.19 m)

Weight: 23 lbs (10 kg)

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSXO LED P6 40K 70CRI T3M MVOLT SPA NLTAR2 PIRHN DDBXD

Series	LEDs	Color Temperature*	Color Rendering Index*	Distribution	Finish	Mounting	Shipped included
DSXO LED	Forward optics	40K-5000K	70CRI	AFR	Automotive front end	WVOLT (120V-277V)*	SPK
PI1	PI5	40K-5000K	70CRI	T5C	Type V low glare	WVOLT (120V-277V)*	SPK
PI2	PI6	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI3	PI7	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI4	PI8	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI9	PI9	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI10	PI10	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI11	PI11	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI12	PI12	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI13	PI13	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI14	PI14	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI15	PI15	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI16	PI16	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI17	PI17	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI18	PI18	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI19	PI19	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI20	PI20	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI21	PI21	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI22	PI22	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI23	PI23	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI24	PI24	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI25	PI25	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI26	PI26	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI27	PI27	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI28	PI28	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI29	PI29	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI30	PI30	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI31	PI31	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI32	PI32	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI33	PI33	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI34	PI34	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI35	PI35	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI36	PI36	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI37	PI37	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI38	PI38	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI39	PI39	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI40	PI40	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI41	PI41	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI42	PI42	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI43	PI43	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI44	PI44	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI45	PI45	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI46	PI46	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI47	PI47	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI48	PI48	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI49	PI49	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI50	PI50	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI51	PI51	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI52	PI52	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI53	PI53	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI54	PI54	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI55	PI55	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI56	PI56	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI57	PI57	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI58	PI58	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI59	PI59	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI60	PI60	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI61	PI61	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI62	PI62	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI63	PI63	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI64	PI64	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI65	PI65	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI66	PI66	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI67	PI67	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI68	PI68	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI69	PI69	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI70	PI70	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI71	PI71	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI72	PI72	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI73	PI73	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI74	PI74	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI75	PI75	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI76	PI76	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI77	PI77	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI78	PI78	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI79	PI79	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI80	PI80	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI81	PI81	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI82	PI82	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI83	PI83	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI84	PI84	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI85	PI85	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI86	PI86	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI87	PI87	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI88	PI88	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI89	PI89	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI90	PI90	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI91	PI91	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI92	PI92	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI93	PI93	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI94	PI94	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI95	PI95	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI96	PI96	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI97	PI97	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI98	PI98	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI99	PI99	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI100	PI100	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI101	PI101	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI102	PI102	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI103	PI103	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI104	PI104	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI105	PI105	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI106	PI106	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI107	PI107	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI108	PI108	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI109	PI109	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI110	PI110	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI111	PI111	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI112	PI112	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI113	PI113	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI114	PI114	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI115	PI115	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI116	PI116	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI117	PI117	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI118	PI118	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI119	PI119	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI120	PI120	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI121	PI121	40K-5000K	70CRI	T5J	Type II long	WVOLT (120V-277V)*	SPK
PI122	PI122	40K-5000K	70CRI	T5N	Type III medium	WVOLT (120V-277V)*	SPK
PI123	PI123	40K-5000K	70CRI	T5P	Type III long	WVOLT (120V-277V)*	SPK
PI124	PI124	40K-5000K	70CRI	T5Q	Type III long	WVOLT (120V-277V)*	SPK
PI125	PI125	40K-5000K	70CRI	T5R	Type III long	WVOLT (120V-277V)*	SPK
PI126	PI126	40K-5000K	70CRI	T5S	Type I short	WVOLT (120V-277V)*	SPK
PI127	PI127	40K-5000K	70CRI	T5M	Type III medium	WVOLT (120V-277V)*	SPK
PI128	PI128	40K-5000K	70CRI	T5L	Type I long	WVOLT (120V-277V)*	SPK
PI129	PI129	40K-5000K	70CRI	T5H	Type II short	WVOLT (120V-277V)*	SPK
PI130	PI130	40K-5000K	70CRI	T5K	Type II medium	WVOLT (120V-277V)*	SPK
PI131	PI131	40K-5					



LEGEND

	EXISTING VEGETATION TO REMAIN
	NON-DISTURBANCE WETLAND AREA
	NON DISTURBANCE AREA 10-FOOT SETBACK

PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	SIZE	CONTAINER	HT (FT)	WIDTH (FT)	QTY
TREES						
	<i>Cercis occidentalis</i> / Claremont / Claremont Western Redbud	15 gal.	Box	15-25	10-15	9
	<i>Fraxinus dipetala</i> / California Ash	15 gal.	Pot	15-25	10-20	7
	<i>Lyonothamnus floribundus</i> asplenifolius / Fernleaf Catalina Ironwood	15 gal.	Pot	25-40	15-25	6
	<i>Prunus ilicifolia</i> / Hollyleaf Cherry	15 gal.	Pot	15-25	15-25	17
	<i>Salix lasiolepis</i> / Arroyo Willow	15 gal.	Pot	15-30	10-15	15
SHRUBS						
	<i>Achillea millefolium</i> / Common Yarrow	1 gal.	Pot	1-3	2-3	41
	<i>Atriplex lentiformis</i> breweri / Brewer Big Saltbush	3 gal.	Pot	6-10	6-10	10
	<i>Encelia californica</i> / California Encelia	1 gal.	Pot	3-5	4-6	42
	<i>Encelia farinosa</i> / Brittlebush	1 gal.	Pot	2-4	3-5	42
	<i>Frangula californica</i> / California Coffeeberry	5 gal.	Pot	6-15	6-12	25
	<i>Heteromeles arbutifolia</i> / Toyon	5 gal.	Pot	10-15	10-15	8
	<i>Rhus integrifolia</i> / Lemonade Berry	5 gal.	Pot	10-15	10-15	14
SYMBOL	BOTANICAL / COMMON NAME	SIZE	CONTAINER			QTY
GROUND COVERS						
	<i>Agrostis pallens</i> / Thingrass	seed				13,193 sf

- NOTE:**
1. ALL SPECIES USED SHALL BE NATIVE TO CALIFORNIA.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OWNER FOR LOCATION OF UNDERGROUND UTILITIES.
 3. PLANT LIST IS FOR CONVENIENCE OF CONTRACTOR. PLAN IS TO PREVAIL AND LANDSCAPE ARCHITECT AND OWNER TO MAKE FINAL ADJUSTMENTS AS NECESSARY.
 4. CONTRACTOR TO BE RESPONSIBLE FOR FULL IRRIGATION COVERAGE OF ALL PLANTED AREA.
 5. IRRIGATION TO BE COORDINATED WITH PLANTING PLAN.
 6. ALL PLANTER AREAS SHALL BE AMENDED WITH 4 CUBIC YDS. OF FOREST HUMUS MULCH AND 150 LBS. OF GRO-POWER PLUS, PER 1,000 SQ. FT. OF PLANTED AREA. PLANTER MIX TO BE 50% NATIVE MIX SOIL AND 50% FLOWER MIX ABOVE FOR ALL BACK FILL OF NEW PLANTS.
 7. PLANT MATERIAL MAY BE SUBJECT TO CHANGE AS PER OWNER OR LANDSCAPE ARCHITECT'S DISCRETION.
 8. ANY CLARIFICATION OR QUESTIONS ON PLANS, SPECIFICATIONS AND DETAILS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH WORK.
 9. ALL PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED CEDAR REDWOOD MULCH AT A DEPTH OF 3".

FILE PATH: C:\Users\lsherman\OneDrive - ERM\70191941 Scale Microgrids 0701941 Landscape Plan.dwg L-01 LANDSCAPE PLAN PRINTED ON 10/10/2025 BY Luis Higman



Rev.	Date	Description	By	Chk
02	2026/02/13	REVISE PLANTING PLAN	LH	LH
01	2025/06/12	UPDATE SITE PLAN	LH	LH

LANDSCAPE PLAN

SCALE MICROGRIDS
NORTHERN TERMINUS OF VALERO DRIVE (NO ADDRESS FOUND)
GOLETA, CA

SCALE AS NOTED DESIGNED BY: LH PROJECT NUMBER: 0761941

DATE DRAWN: FEBRUARY 2026 DRAWN BY: JH

Environmental Resources Management, Inc.

DISCIPLINE NO. **L-**

REV. **02**

SHEET NO. **101**



PERMEABLE GRAVEL ACCESS ROAD



PERMEABLE GRAVEL BASE



TRANSFORMER



TESLA MEGAPACK 2XL



8'-TALL SECURITY FENCE WITH SLATS



8'-TALL ORNAMENTAL NO-CLIMB METAL FENCE



BIORETENTION SPILLWAY WEIR



SCALE (IN FEET)
SCALE: 1" = 20'-0"

Rev.	Date	Description	By	Chk
02	2026/02/13	REVISE PLANTING PLAN	LH	LH
01	2025/06/12	UPDATE SITE PLAN	LH	LH



MATERIALS PLAN		DISCIPLINE NO.	L-
SCALE MICROGRIDS		REV.	02
NORTHERN TERMINUS OF VALERO DRIVE (NO ADDRESS FOUND)		SHEET NO.	103
GOLETA, CA		PROJECT NUMBER	0761941
SCALE AS NOTED	DESIGNED BY LH		
DATE DRAWN FEBRUARY 2026	DRAWN BY JH		
Environmental Resources Management, Inc.			

FILE PATH: C:\Users\lshogman\OneDrive - ERM\761941 Scale Microgrids\0761941_Drawing\30\CAD\LANDSCAPE PLAN.dwg, L-03 MATERIAL PLAN, PRINTED ON 10/10/2025 BY Luke Hogman