

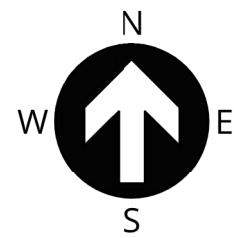
WEST OAHU SOLAR PLUS STORAGE
12.5 MW AC COMBINED PV AND 50 MWh BESS

KAPOLEI, WEST OAHU, HAWAII

PREPARED FOR
CITY AND COUNTY OF HONOLULU DEPARTMENT OF PLANNING AND PERMITTING



VICINITY MAP
NOT TO SCALE



SCOPE OF WORK

THIS PACKAGE PROVIDES DRAWINGS FOR THE INSTALLATION OF 17.42 MW DC, 12.5 MW AC AT POI COMBINED PHOTOVOLTAIC AND BATTERY ENERGY STORAGE SYSTEM NEAR KAPOLEI, WEST OAHU, HAWAII.

PROJECT DEVELOPER

AES WEST OAHU SOLAR
282 CENTURY PL, SUITE 2000
LOUISVILLE, CO 80027

NICK MOLINARI
BUSINESS DEVELOPMENT
(303) 524-4368

CAMERON HAUGHEY
PROJECT MANAGER
(720) 450-4360

STRUCTURAL ENGINEER

THOMAS HAMLIN
HDR, INC.
3200 EAST CAMELBACK ROAD
PHOENIX, AZ 85018
(602) 522-7737

HI LICENSE - 16088 - S
EXP. DATE - 04/30/20

CIVIL ENGINEER

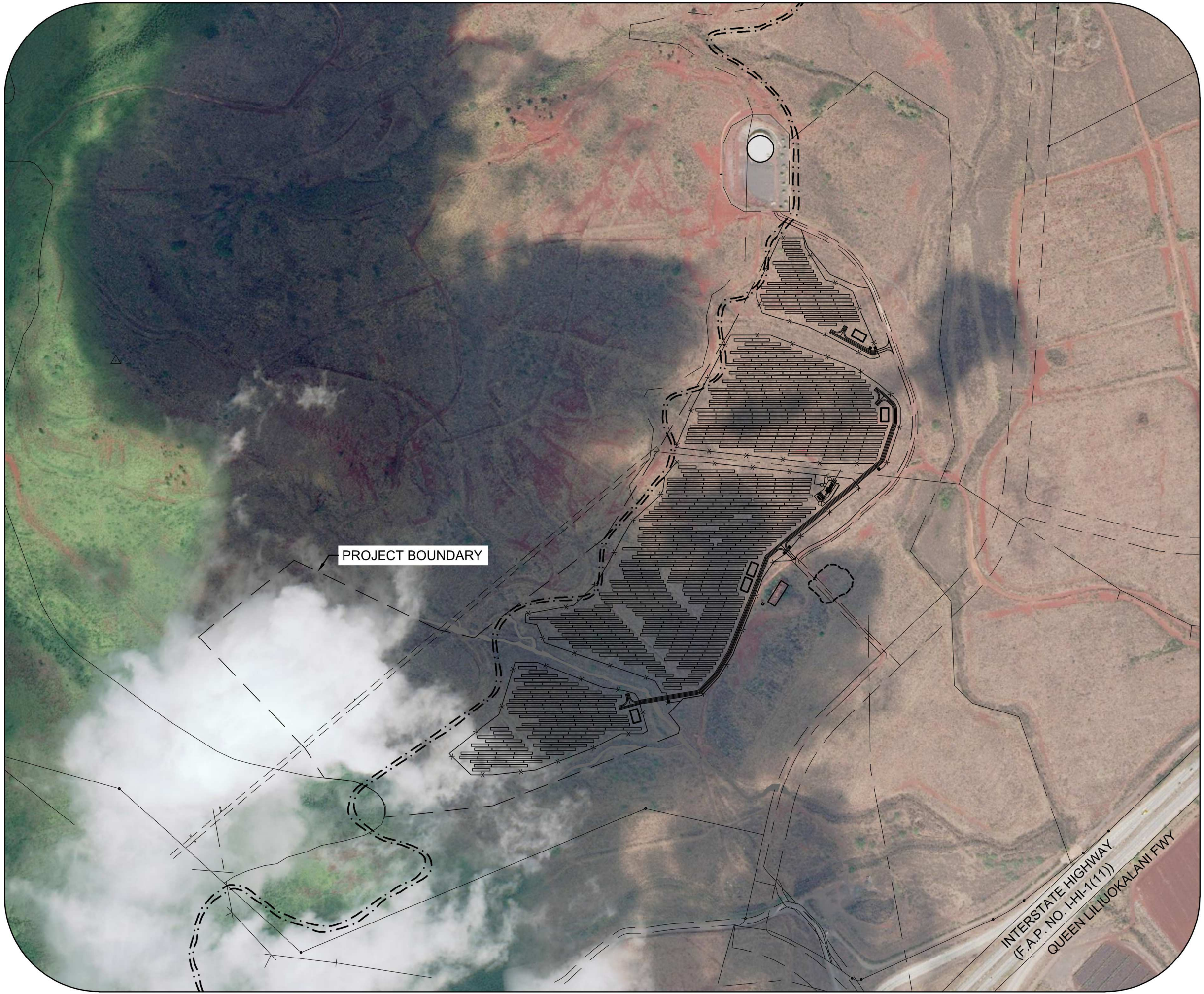
AARON MURPHY
3J CONSULTING
9600 SW NIMBUS AVE
BEAVERTON, OR 97008

HI LICENSE - 18696-C
EXP. DATE - 04/30/22

ELECTRICAL ENGINEER

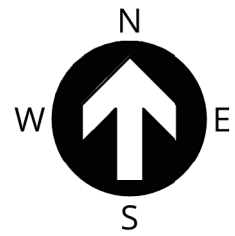
JAMES TRAN
HDR, INC.
1670 BROADWAY, SUITE 3400
DENVER, CO 80202
(303) 323-9796

HI LICENSE - 18163 - E
EXP. DATE - 04/30/2022



SITE MAP

1" = 500'



SHEET INDEX

C0	COVER SHEET
C1	TMK PLAN
C2	LSB SOIL UNDERLAY
C3	OVERALL SITE PLAN
C4	SITE PLAN SCHEMATICS
C9.1	CIVIL DETAIL 1
C9.2	CIVIL DETAIL 2
L1	LANDSCAPE PLAN AND SCHEMATIC IRRIGATION PLAN
L2	LANDSCAPE PLAN AND SCHEMATIC IRRIGATION PLAN
L3	LANDSCAPE DETAIL, SECTION, PLANT LIST, NOTES



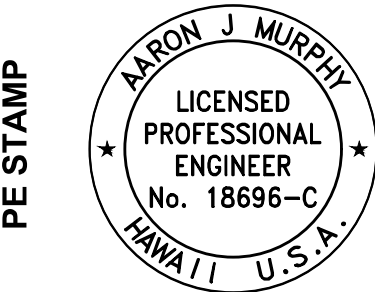
Distributed Energy

AES Distributed Energy
282 Century Pl, Suite 2000
Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REVISONS		DESCRIPTION	
REV	BY	DATE	



AES WEST OAHU SOLAR
OAHU, HI

PROJECT NUMBER

19537

PHASE

LAND USE

MILESTONE

60% DESIGN

ELECTRICAL DESIGNER

STRUCTURAL DESIGNER

DATE

08-26-2020

SCALE

N/A

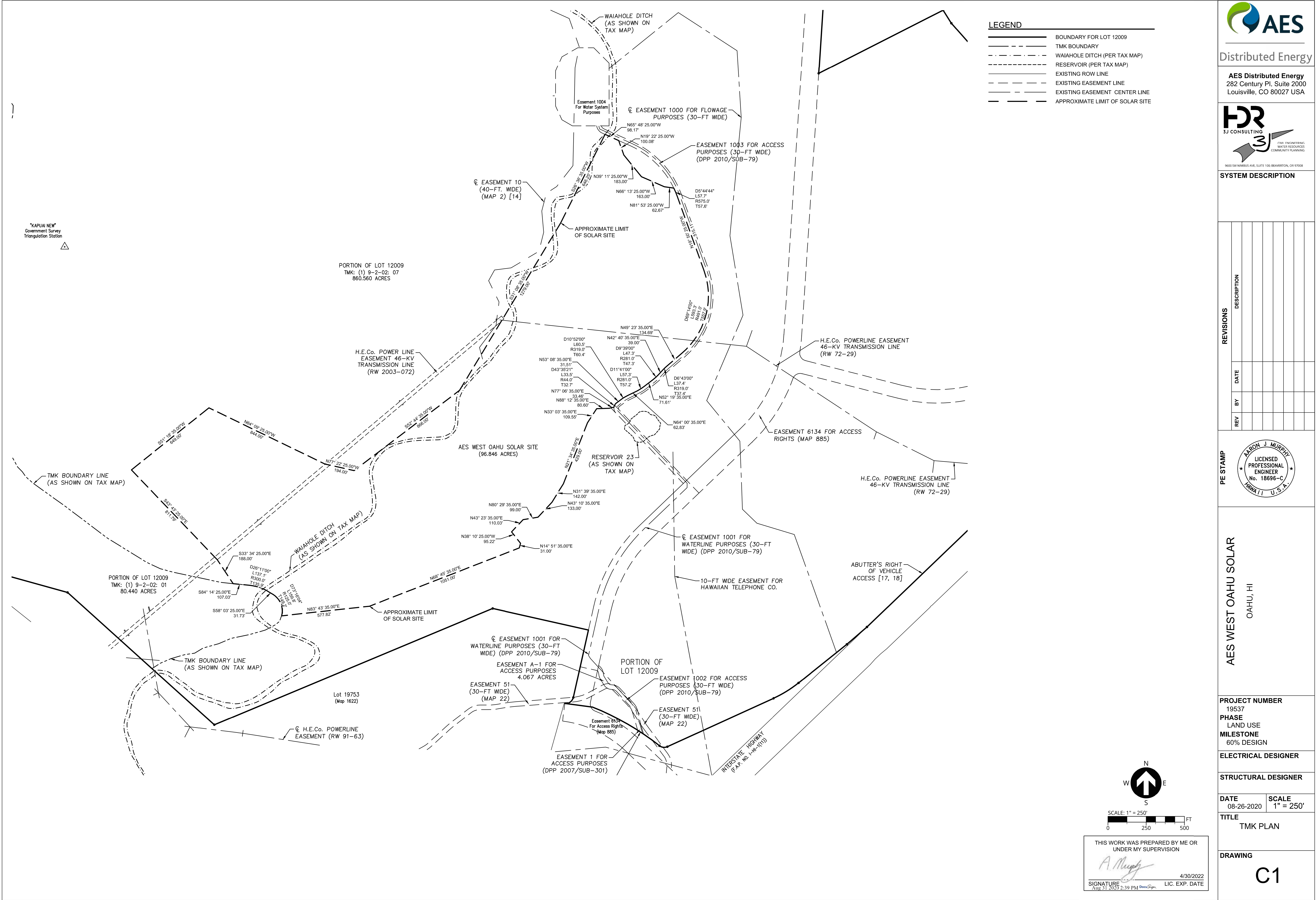
TITLE

COVER SHEET

DRAWING

C0

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A. Murphy
SIGNATURE
Aug 31, 2020 2:39 PM
4/30/2022
LIC. EXP. DATE



LEGEND	
	BOUNDARY FOR LOT 12009
	TMK BOUNDARY
	WAIHOLE DITCH (PER TAX MAP)
	RESERVOIR (PER TAX MAP)
	EXISTING ROW LINE
	EXISTING EASEMENT LINE
	EXISTING EASEMENT CENTER LINE
	APPROXIMATE LIMIT OF SOLAR SITE



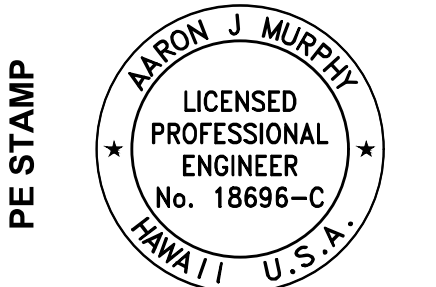
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282 Century Pl. Suite 2000
Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION	



AES WEST OAHU SOLAR
OAHU, HI

PROJECT NUMBER
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MILESTONE
60% DESIGN

ELECTRICAL DESIGNER

STRUCTURAL DESIGNER

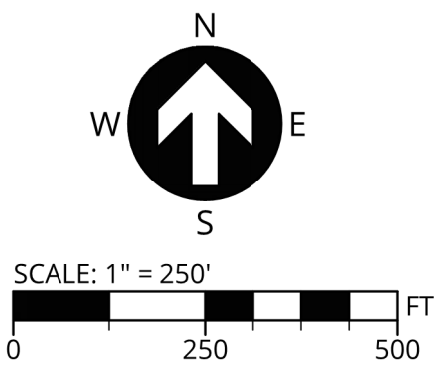
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08-26-2020

SCALE
1" = 250'

TITLE
TMK PLAN

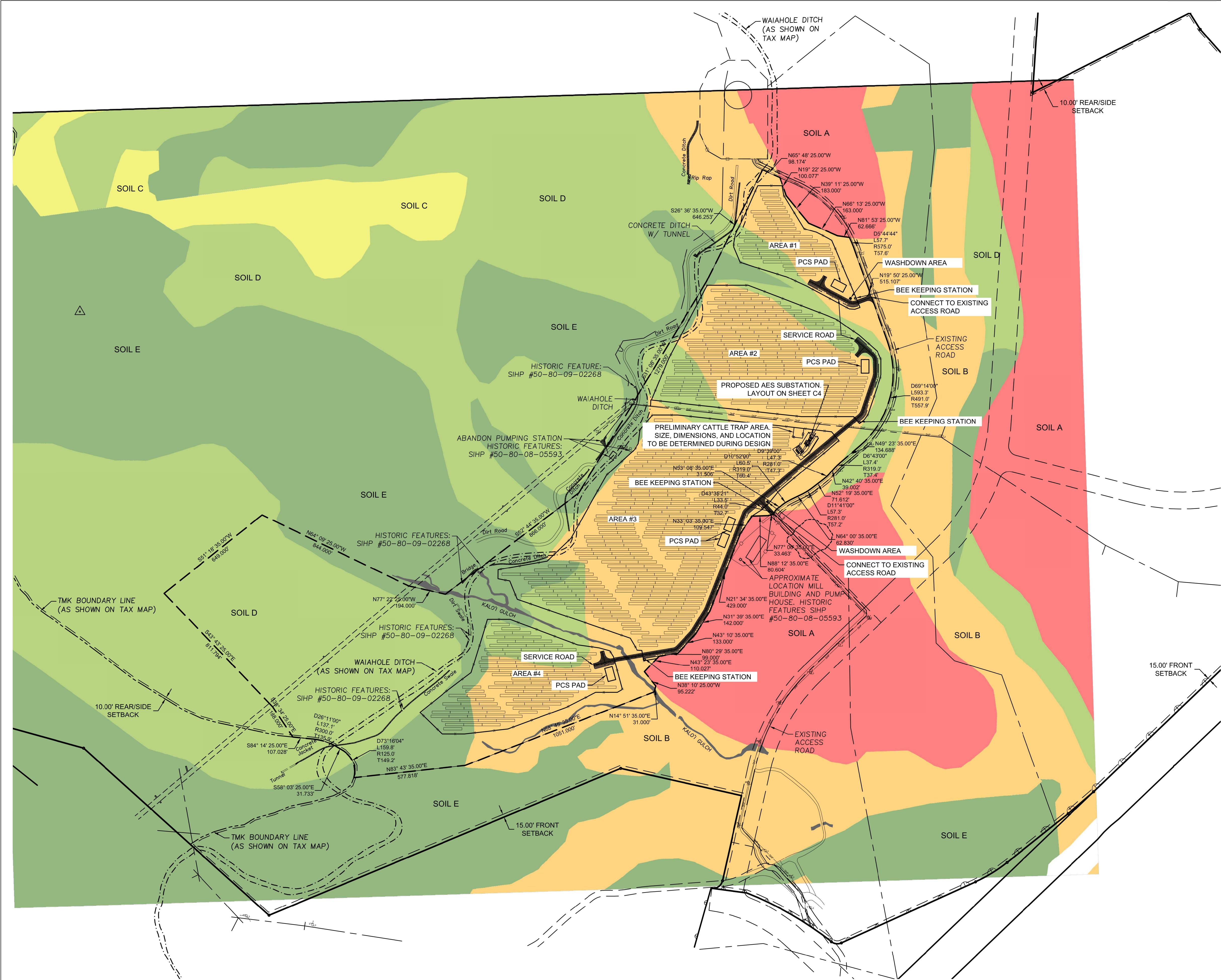
DRAWING

C1



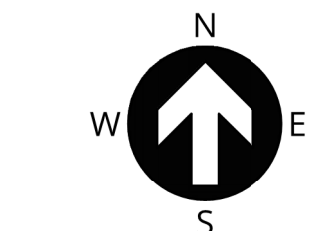
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SIGNATURE
Aug 31, 2020 2:39 PM
LIC. EXP. DATE
4/30/2022



LAND STUDY BUREAU (LSB) SOIL CLASSES

- LSB CLASS A
- LSB CLASS B
- LSB CLASS C
- LSB CLASS D
- LSB CLASS E



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A. Murphy 4/30/2022

SIGNATURE LIC. EXP. DATE



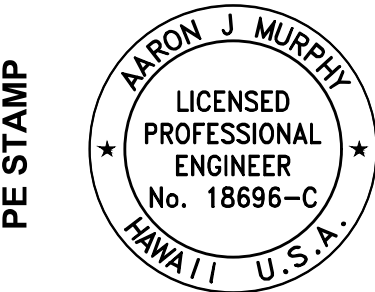
Distributed Energy

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282 Century Pl. Suite 2000
Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION



AES WEST OAHU SOLAR
OAHU, HI

PROJECT NUMBER
19537
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LAND USE
MILESTONE
60% DESIGN

ELECTRICAL DESIGNER

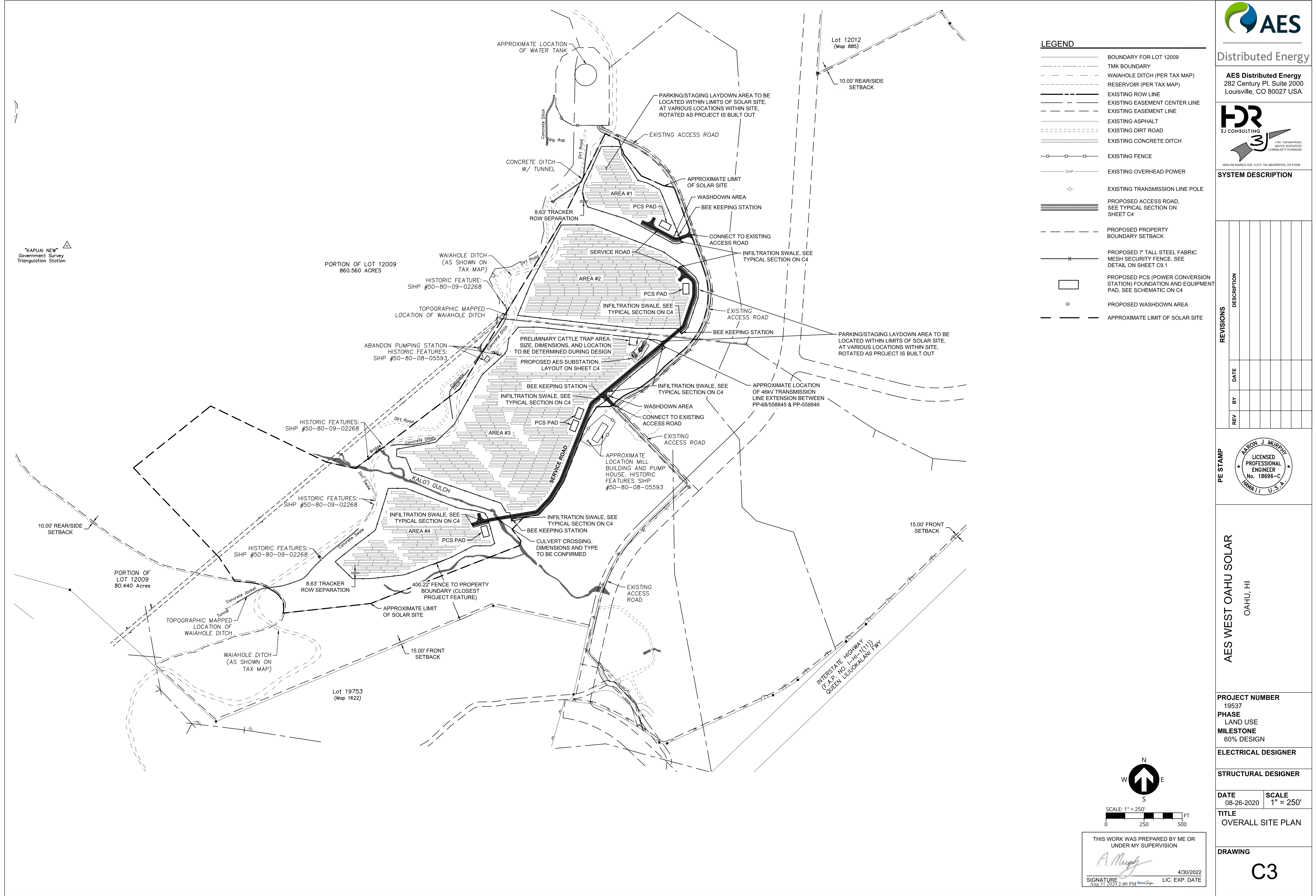
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DATE 08-26-2020 SCALE 1" = 250'

TITLE
LSB SOIL UNDERLAY

DRAWING

C2



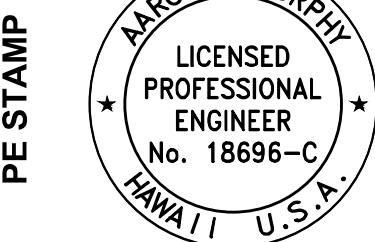
Distributed Energy

AES Distributed Energy
282 Century Pl. Suite 2000
Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION



AES WEST OAHU SOLAR

OAHU, HI

PROJECT NUMBER
19537
PHASE
LAND USE
MILESTONE
60% DESIGN

ELECTRICAL DESIGNER

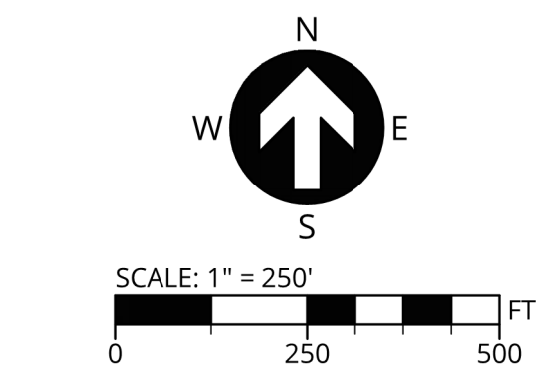
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DATE
08-26-2020
SCALE
1" = 250'

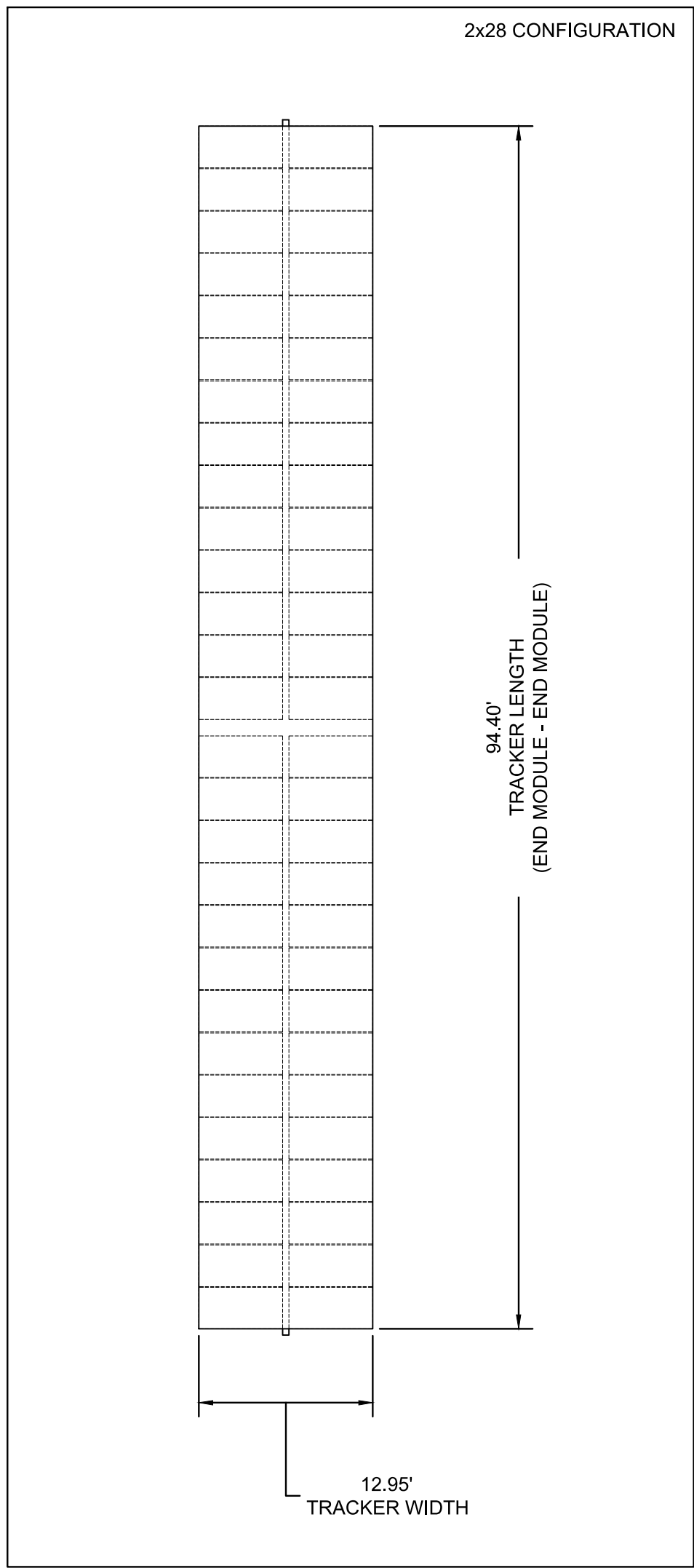
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OVERALL SITE PLAN

DRAWING

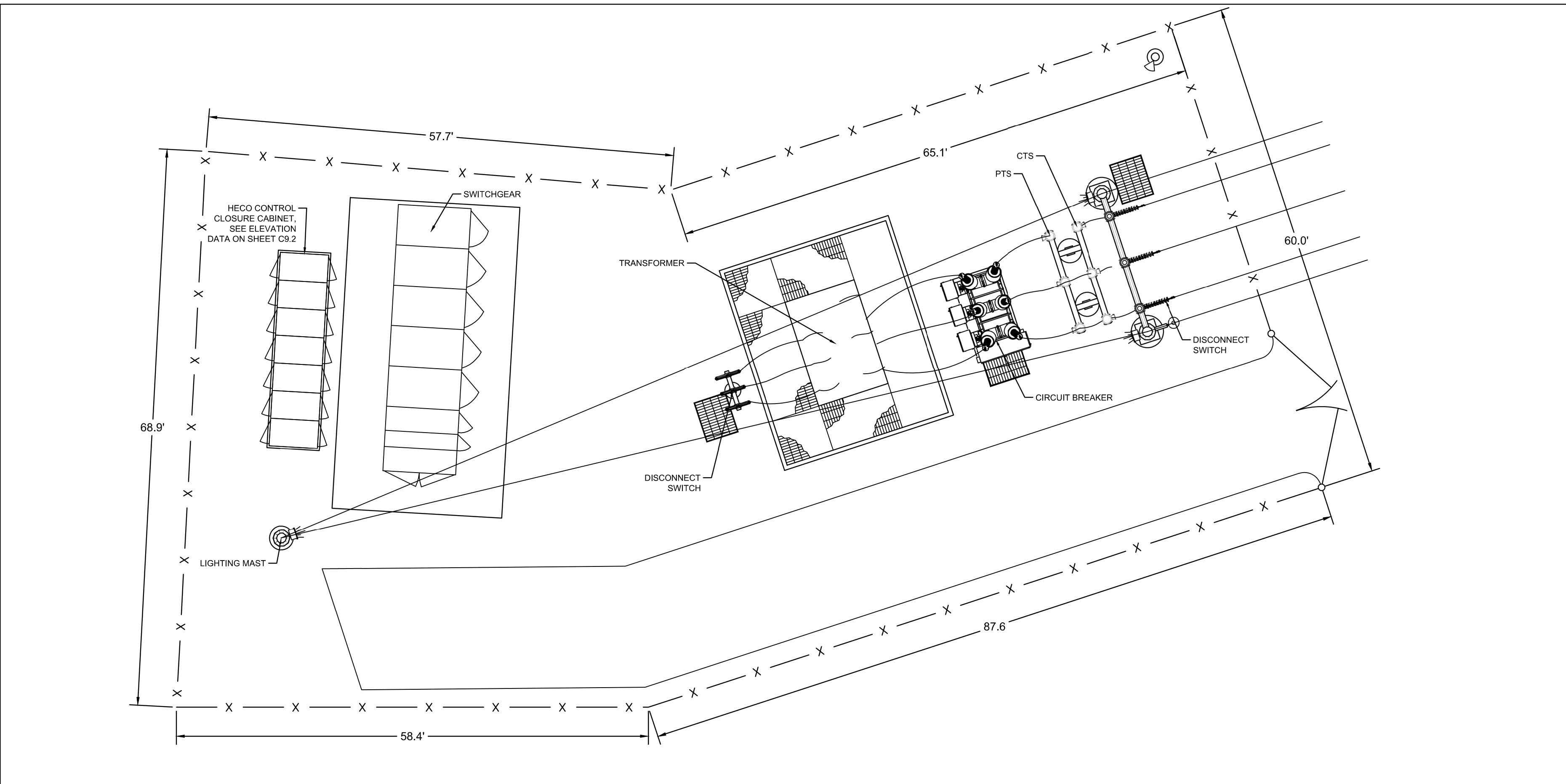
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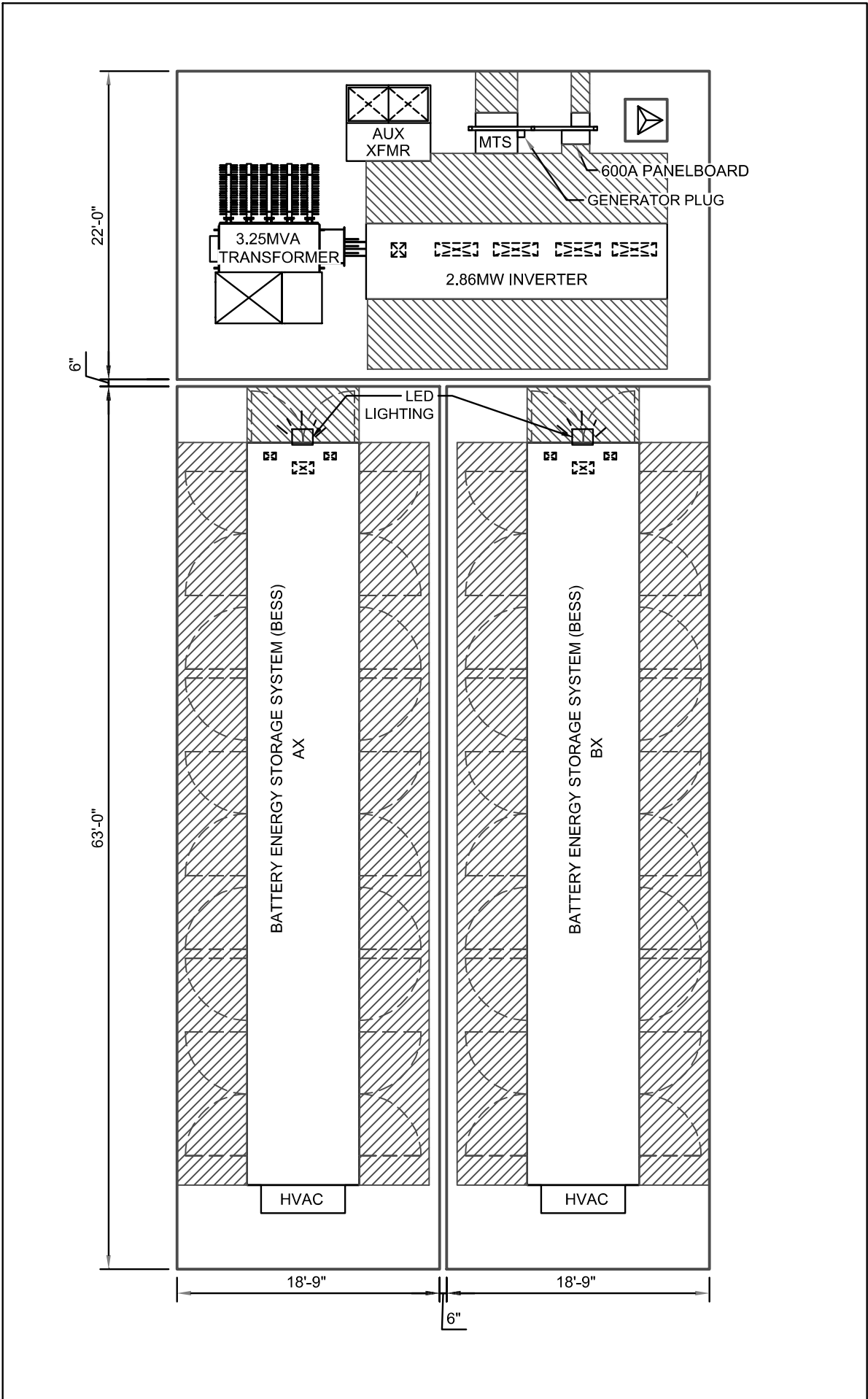
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A. Murphy
SIGNATURE
Aug 31, 2020 2:40 PM
4/30/2022
LIC. EXP. DATE



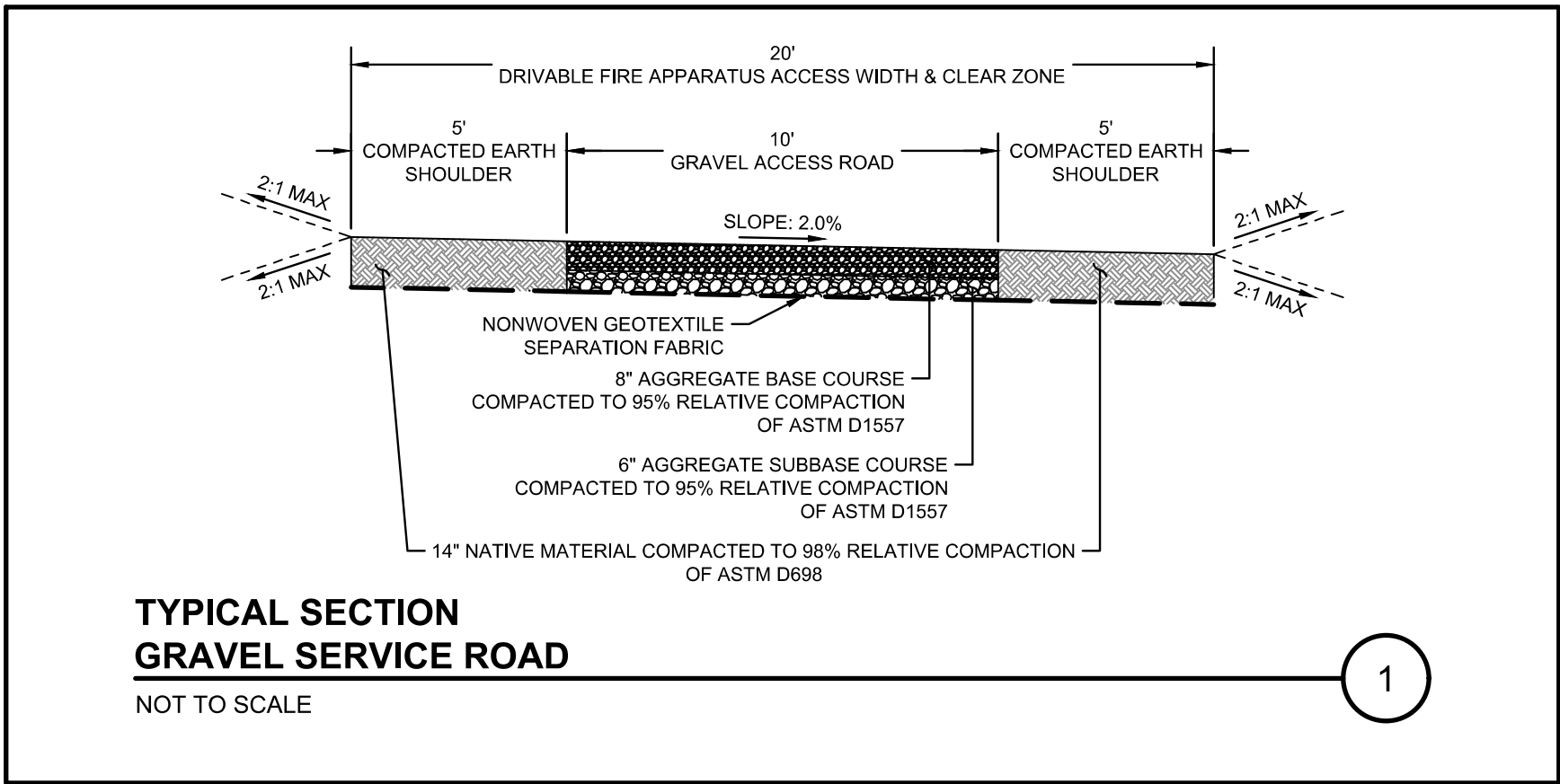
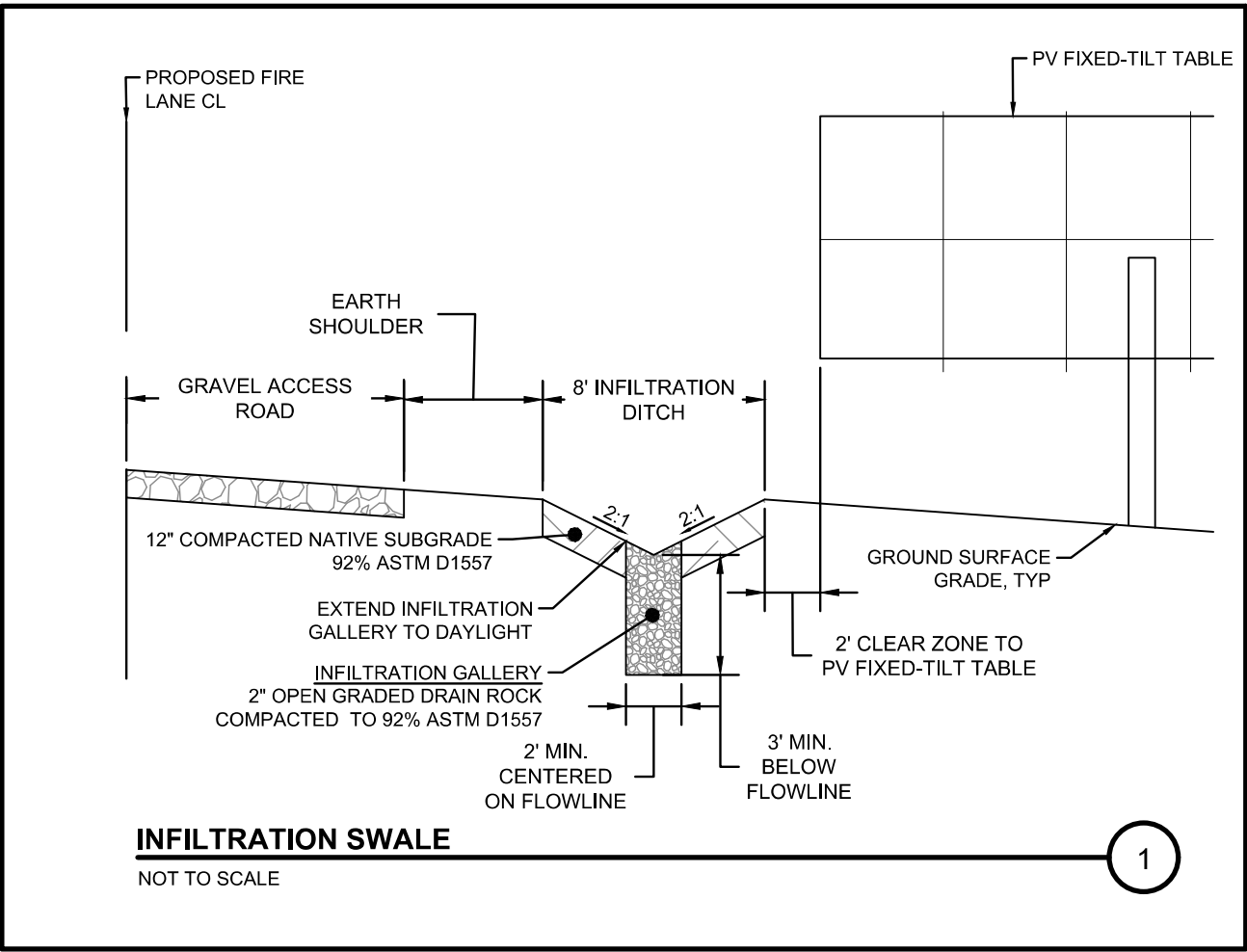
PV FIXED-TILT TABLE -
SEE ELEVATION DATA ON SHEET C9.2



PRELIMINARY AES SUBSTATION LAYOUT -
SEE ELEVATION DATA ON SHEET C9.2



POWER CONVERSION STATION (PCS) PAD LAYOUT -
SEE ELEVATION DATA ON SHEET C9.2



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Aug 31, 2020 2:40 PM *DeaSign*

4/30/2022
LIC. EXP. DATE

SCALE: 1" = 250'

0 250 500 FT

N
W ↑ E
S



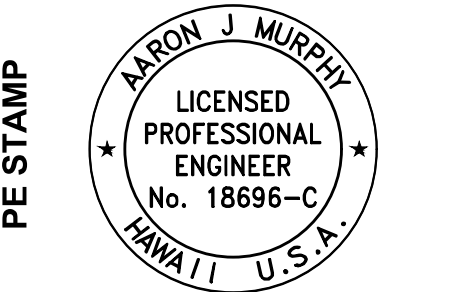
Distributed Energy

AES Distributed Energy
282 Century Pl, Suite 2000
Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION



AES WEST OAHU SOLAR
OAHU, HI

PROJECT NUMBER
19537
PHASE
LAND USE
MILESTONE
60% DESIGN

ELECTRICAL DESIGNER

STRUCTURAL DESIGNER

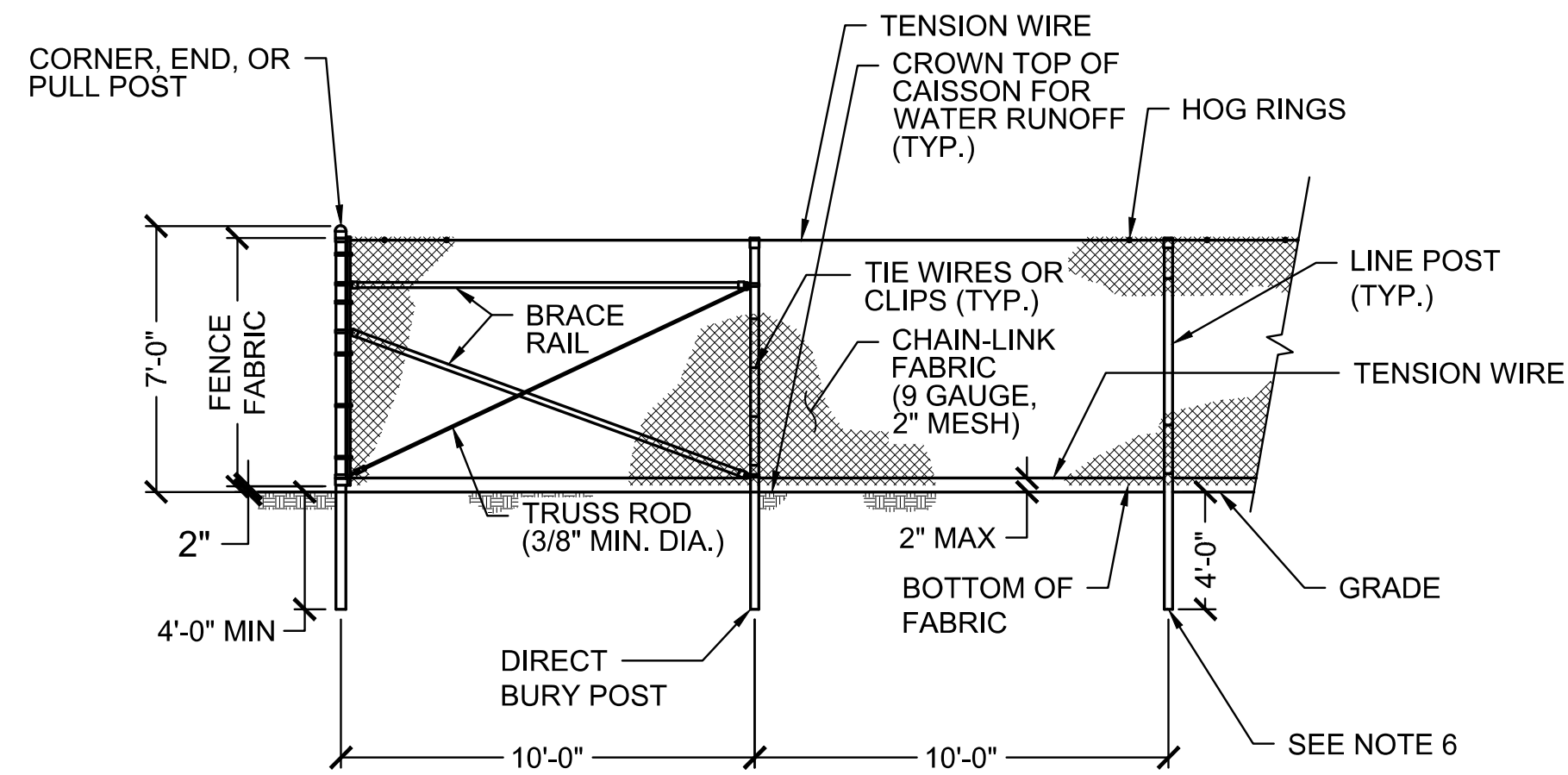
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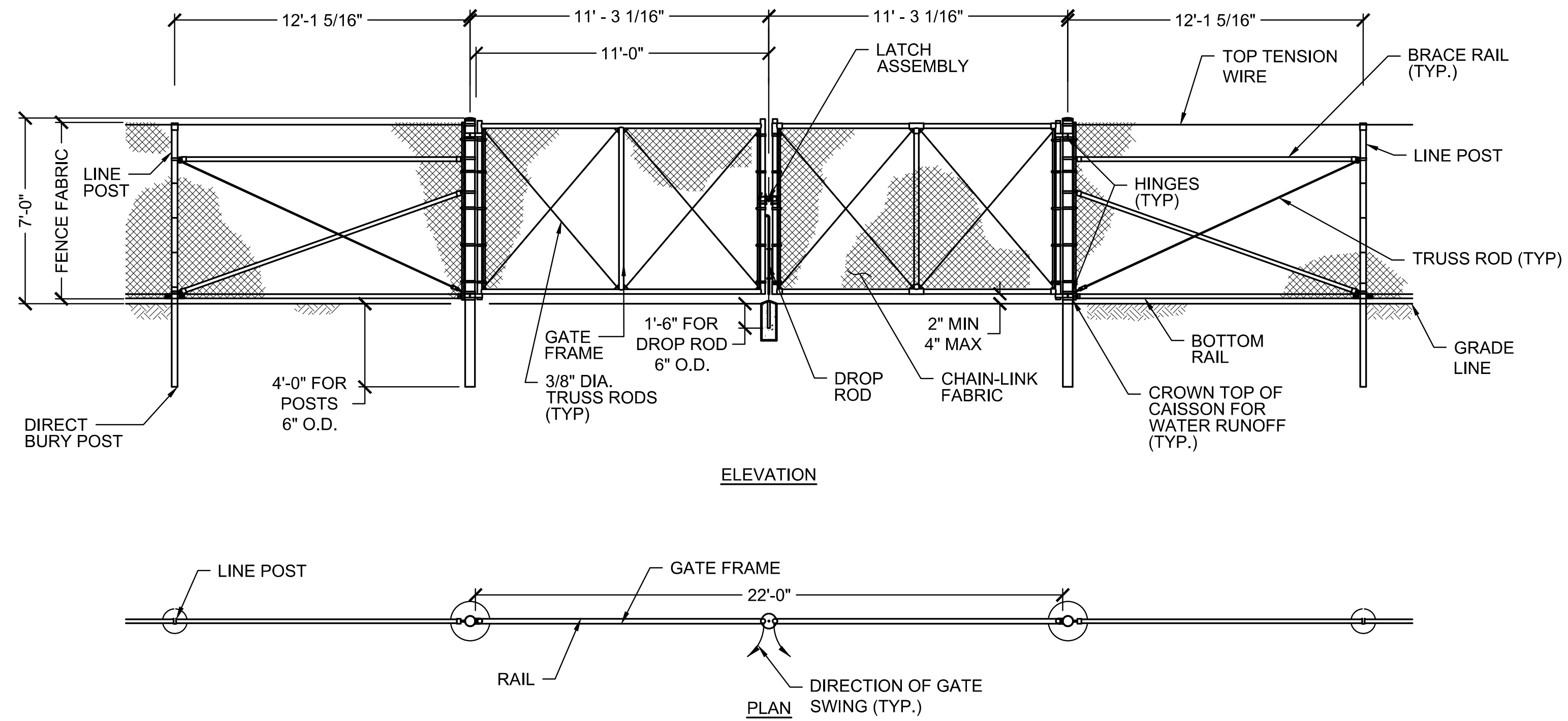
TITLE
SITE PLAN SCHEMATICS

DRAWING

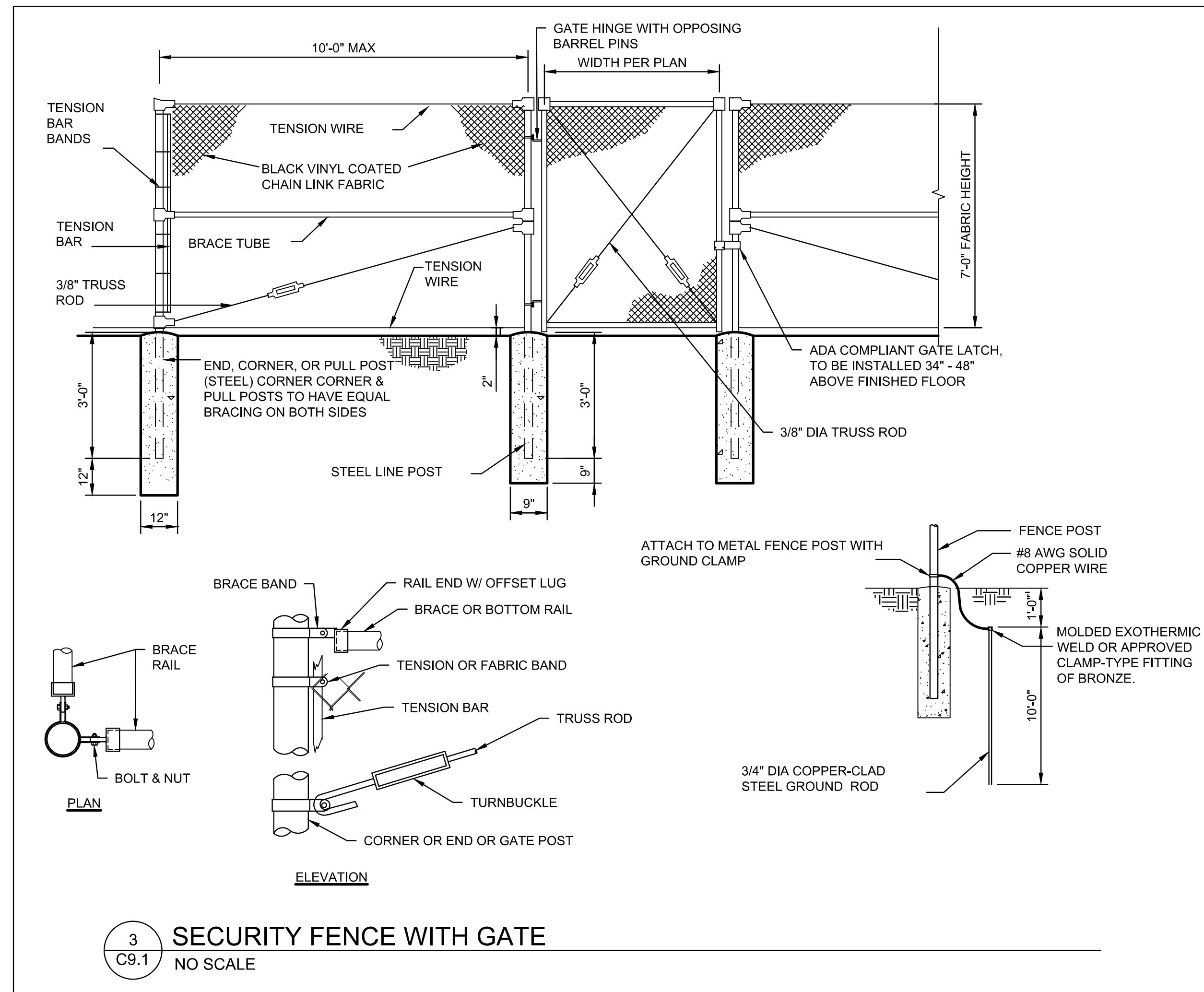
C4



1 PERIMETER FENCE ELEVATION
C9.1



2 TYPICAL ACCESS GATE
C9.1



3 SECURITY FENCE WITH GATE
C9.1 NO SCALE



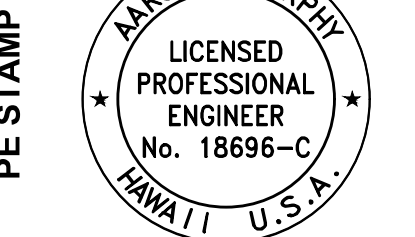
Distributed Energy

AES Distributed Energy
282 Century Pl, Suite 2000
Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION



AES WEST OAHU SOLAR
OAHU, HI

PROJECT NUMBER
19537
PHASE
LAND USE
MILESTONE
60% DESIGN

ELECTRICAL DESIGNER

STRUCTURAL DESIGNER

DATE
08-26-2020

SCALE
N/A

TITLE
CIVIL DETAIL 1

DRAWING

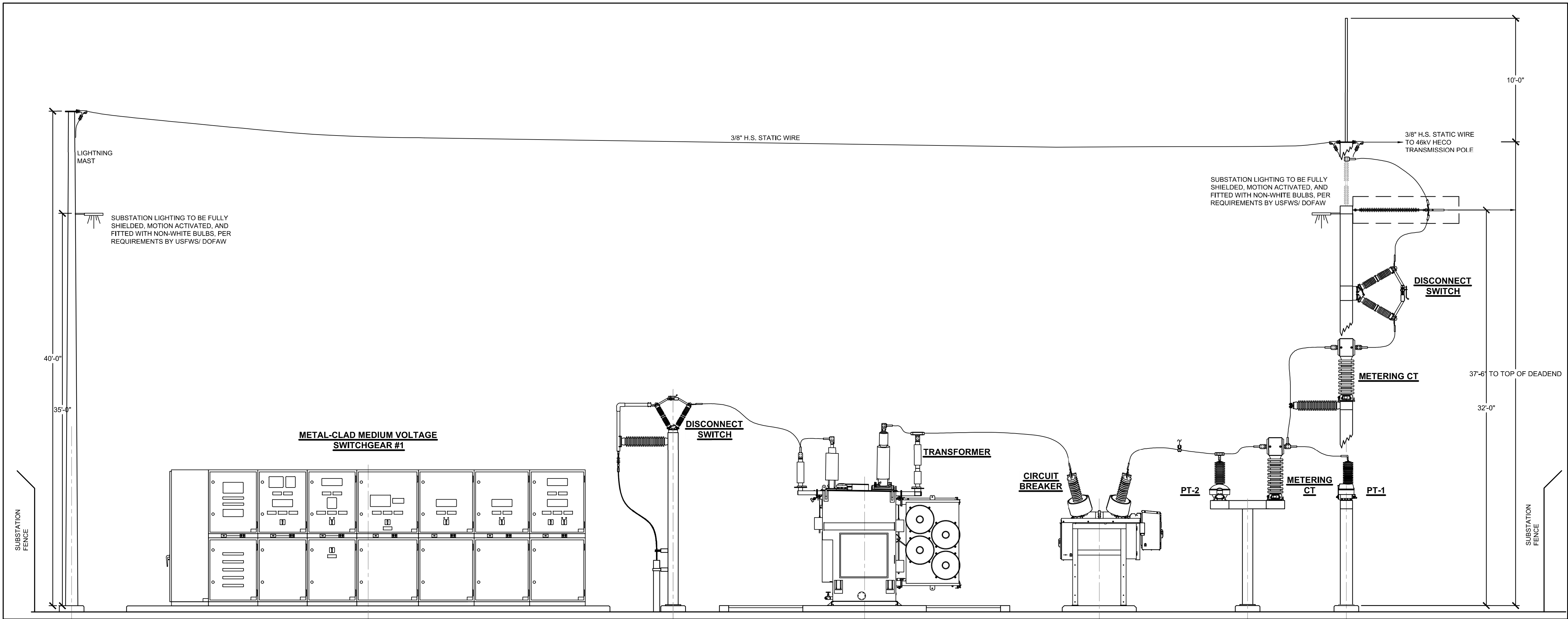
C9.1

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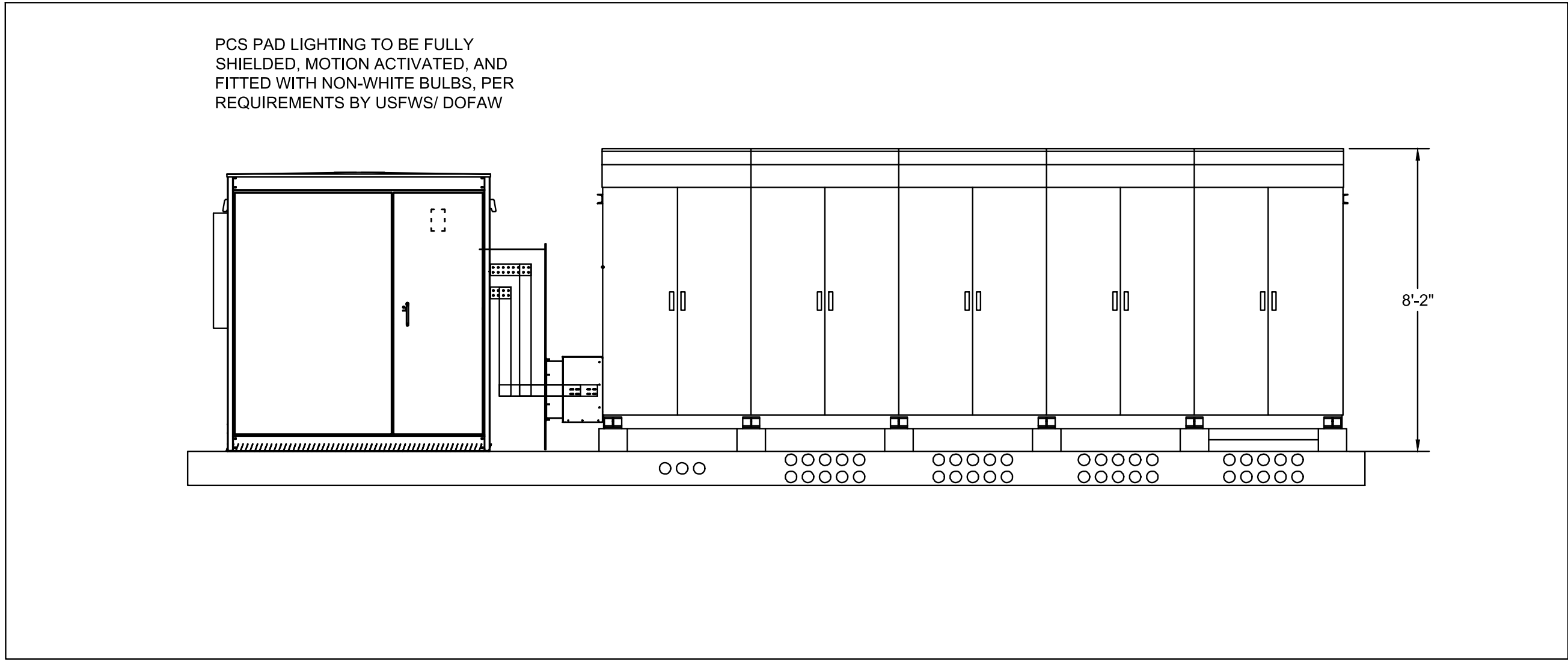
A. Murphy

SIGNATURE
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LIC. EXP. DATE

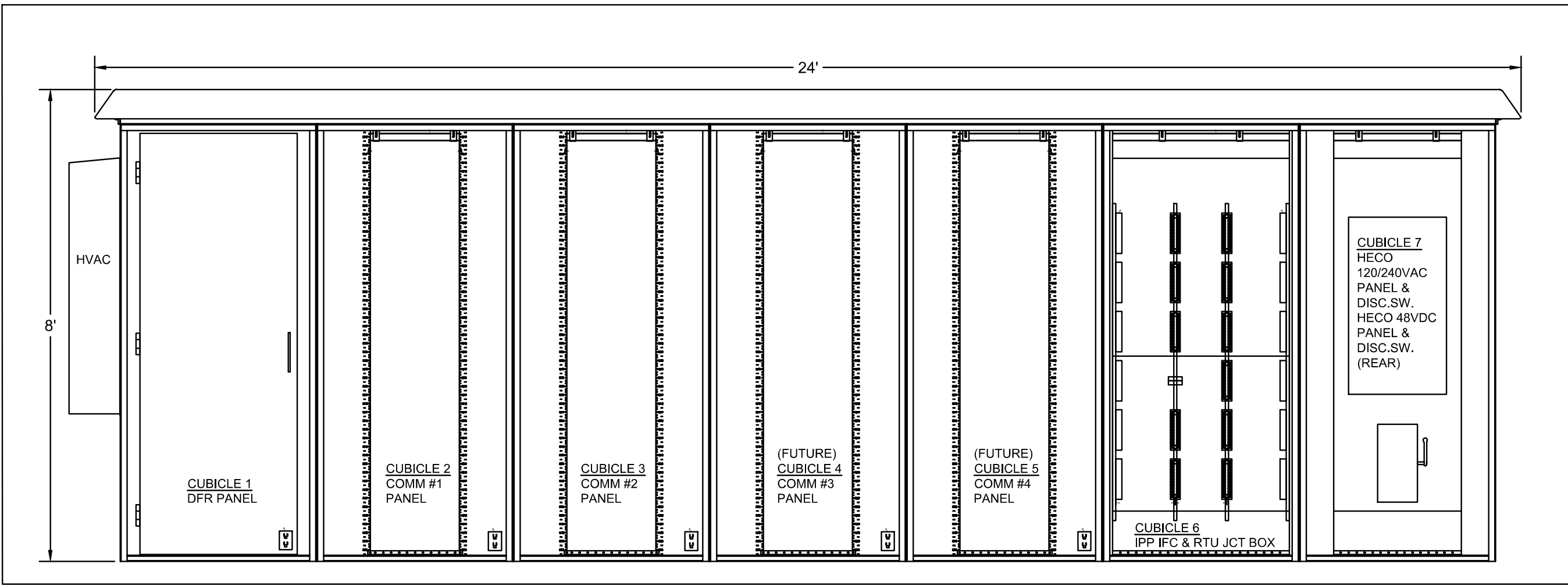
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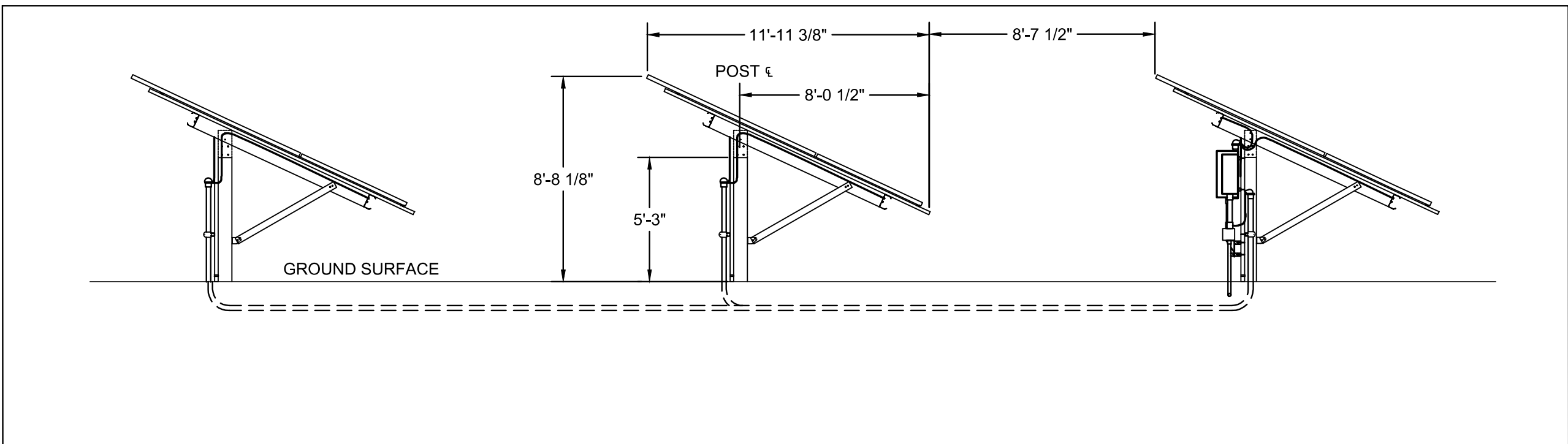
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C9.2
PRELIMINARY SUBSTATION ELEVATION
N.T.S.



2
C9.2
POWER CONVERSION STATION (PCS) PAD INVERTER AND TRANSFORMER FRONT ELEVATION
N.T.S.



3
C9.2
HECO CONTROL CLOSURE CABINET ELEVATION
N.T.S.



4
C9.2
PV FIXED-TILT TABLE ELEVATION
N.T.S.



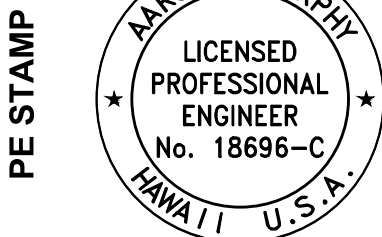
Distributed Energy

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Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION



AES WEST OAHU SOLAR
OAHU, HI

PROJECT NUMBER
19537
PHASE
LAND USE
MILESTONE
60% DESIGN

ELECTRICAL DESIGNER

STRUCTURAL DESIGNER

DATE
08-26-2020

SCALE
N/A

TITLE
CIVIL DETAIL 2

DRAWING

C9.2

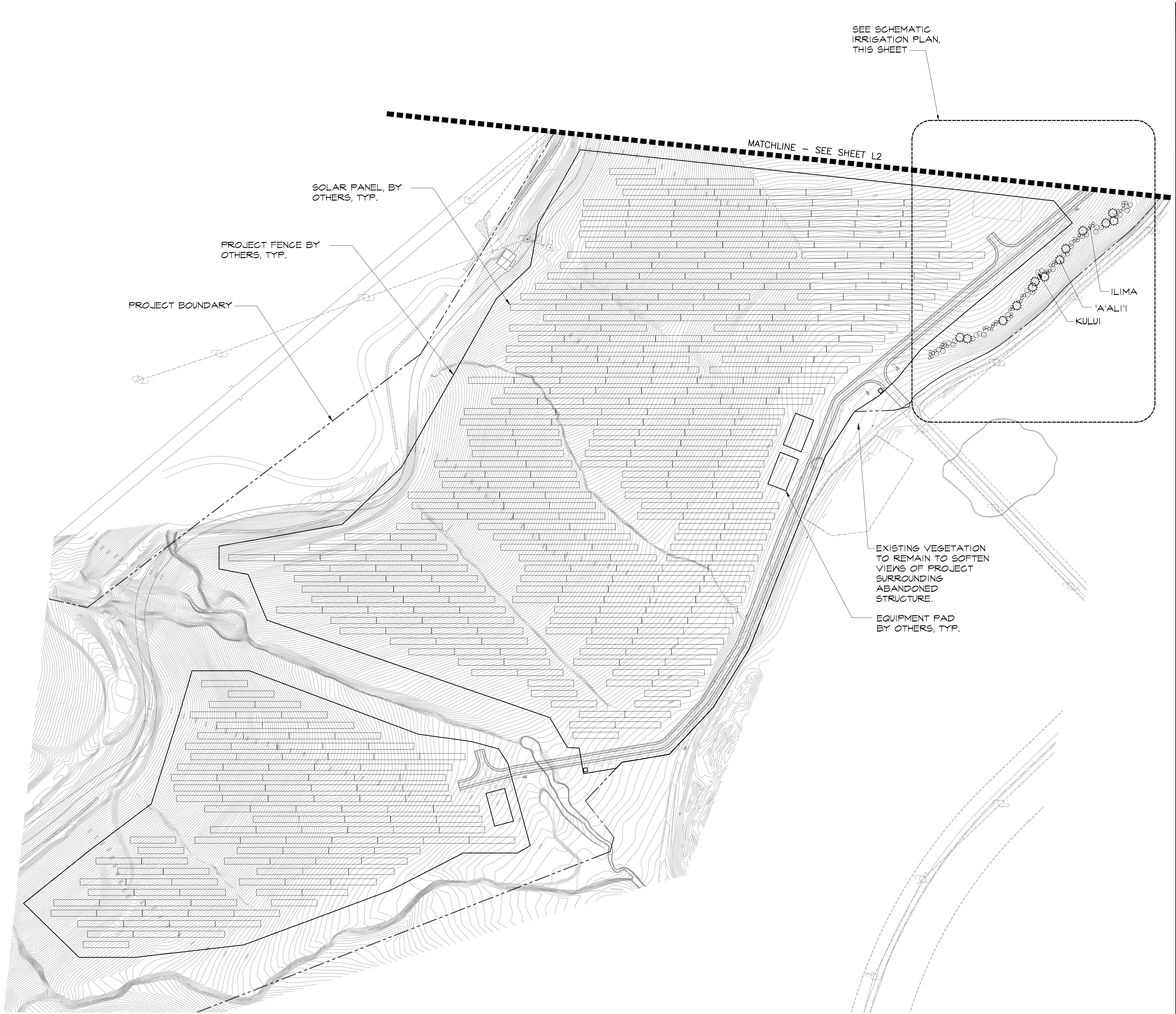
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Aug 31, 2020 2:40 PM

4/30/2022

LIC. EXP. DATE



REVISION	DATE	BY
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		
REVISION 5		
REVISION 6		

1241 ALA AMOAMO ST
HONOLULU, HI 96819

VIVIAN L. ARITA

LICENSED PROFESSIONAL LANDSCAPE ARCHITECT

No. 18181

HAWAII, U.S.A.

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03/30/22

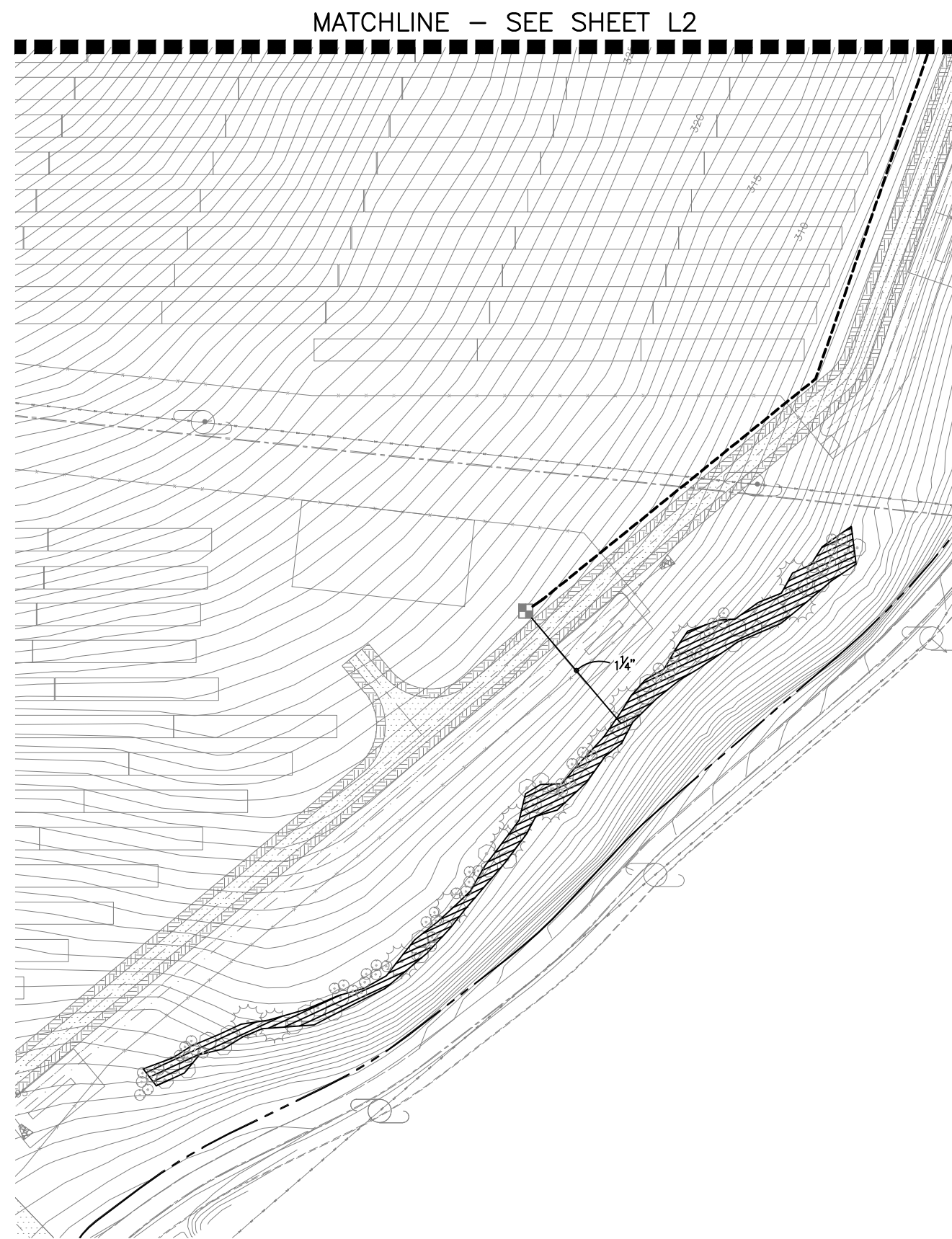
SIGNATURE EXPIRATION DATE

AES WEST O'AHU SOLAR PLUS STORAGE PROJECT

TMK: 9-2-002:007, Hono'uli'uli, 'Ewa, O'ahu, Hawai'i

LANDSCAPE PLAN AND SCHEMATIC IRRIGATION PLAN

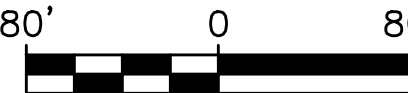
DATE:	JUNE 2019
SCALE:	AS NOTED
DRAWN BY:	VA
MD JOB NO.:	2007



NOTE: SEE IRRIGATION EQUIPMENT LIST ON SHEET L3 FOR MORE INFORMATION.



SCALE: 1" = 80'-0"



KEY PLAN

