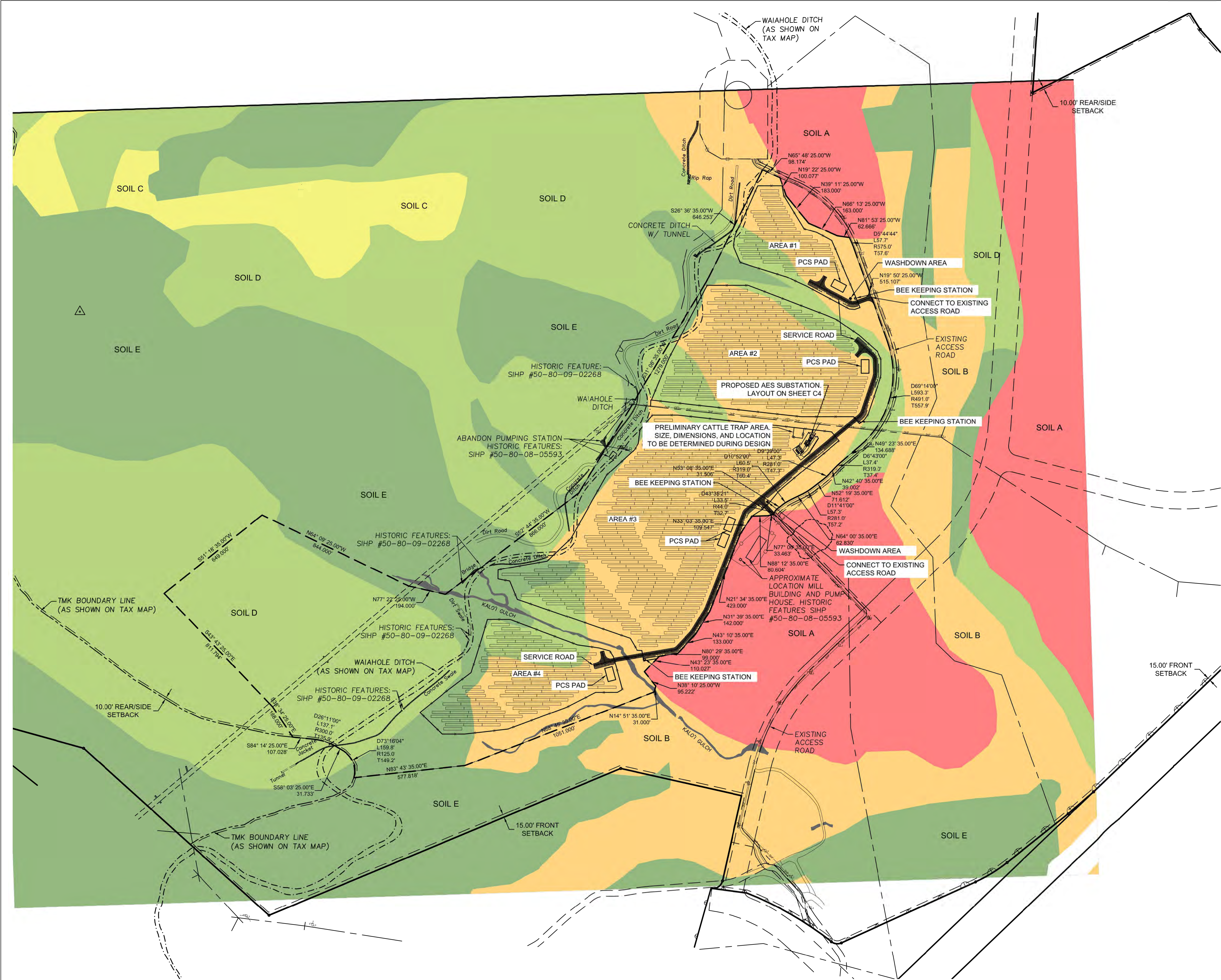


Attachment H

Site Plan and Drawings



LAND STUDY BUREAU (LSB) SOIL CLASSES

LSB CLASS A

LSB CLASS B

LSB CLASS C

LSB CLASS D

LSB CLASS E

N

W

E

S

SCALE: 1" = 250'

0

250

500

FT

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A. Murphy

SIGNATURE

Aug 31, 2020 2:40 PM

4/30/2022

LIC. EXP. DATE

AES

Distributed Energy

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

HR

3J CONSULTING

3J CONSULTING
CIVIL ENGINEERING
WATER RESOURCES
COMMUNITY PLANNING
1600 SW NIMBUS AVE, SUITE 100, BEAVERTON, OR 97008

SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION

PE STAMP

AARON J MURPHY

LICENSED PROFESSIONAL ENGINEER

No. 18696-C

HAWAII U.S.A.

AES WEST OAHU SOLAR

OAHU, HI

PROJECT NUMBER

19537

PHASE

LAND USE

MILESTONE

60% DESIGN

ELECTRICAL DESIGNER

STRUCTURAL DESIGNER

DATE

08-26-2020

SCALE

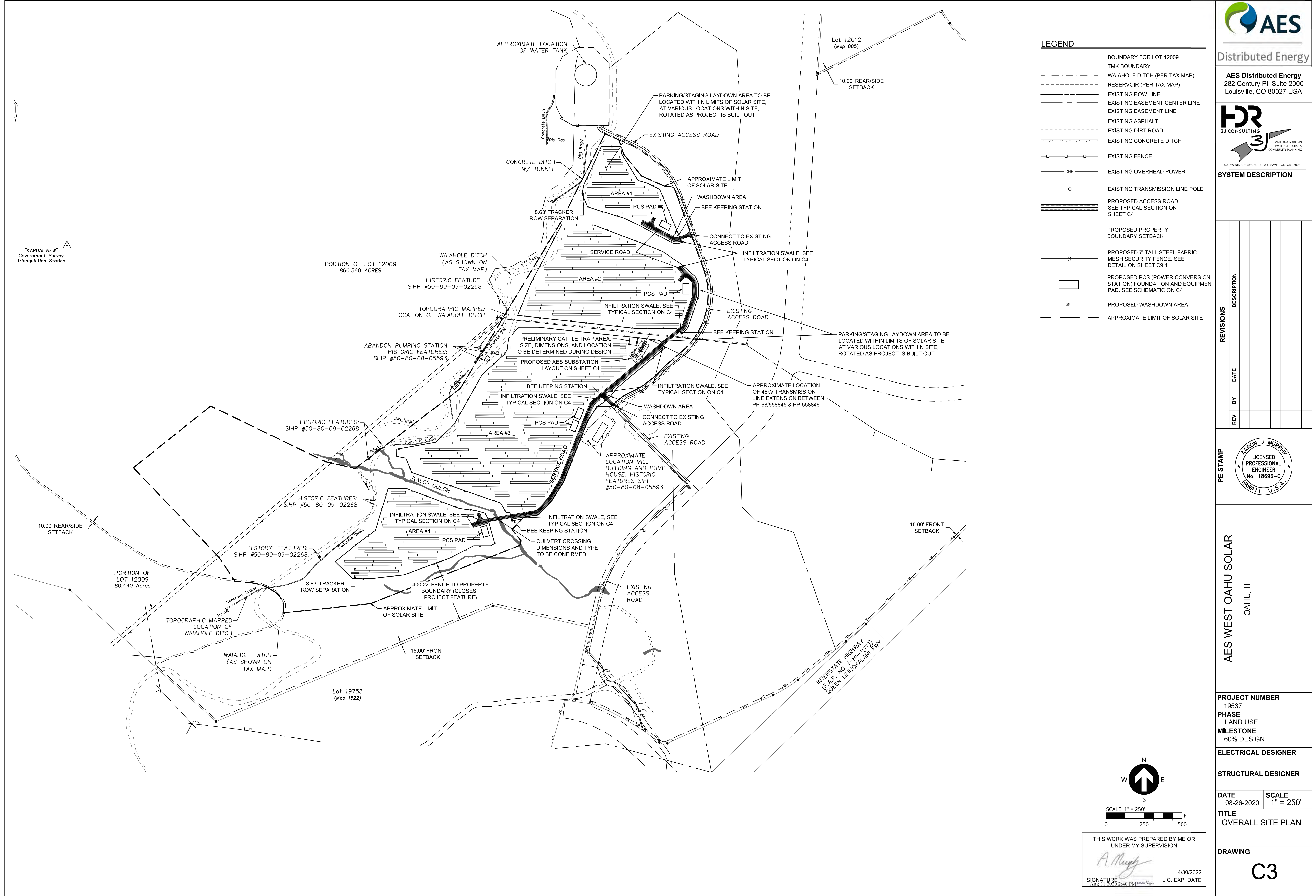
1" = 250'

TITLE

LSB SOIL UNDERLAY

DRAWING

C2



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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
1" = 250'

TITLE
OVERALL SITE PLAN

DRAWING
C3

N

W

E

S

SCALE: 1" = 250'

0250500

FT

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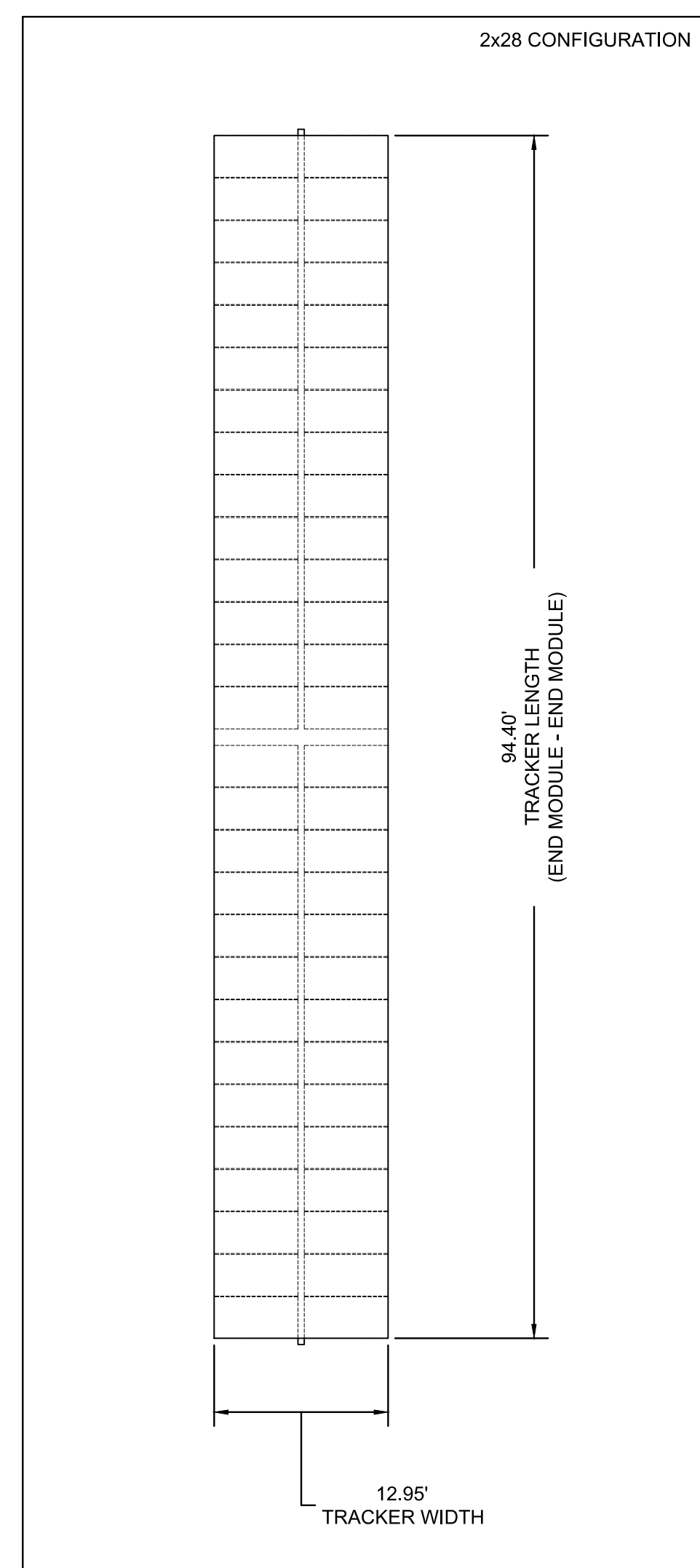
A. Murphy

4/30/2022

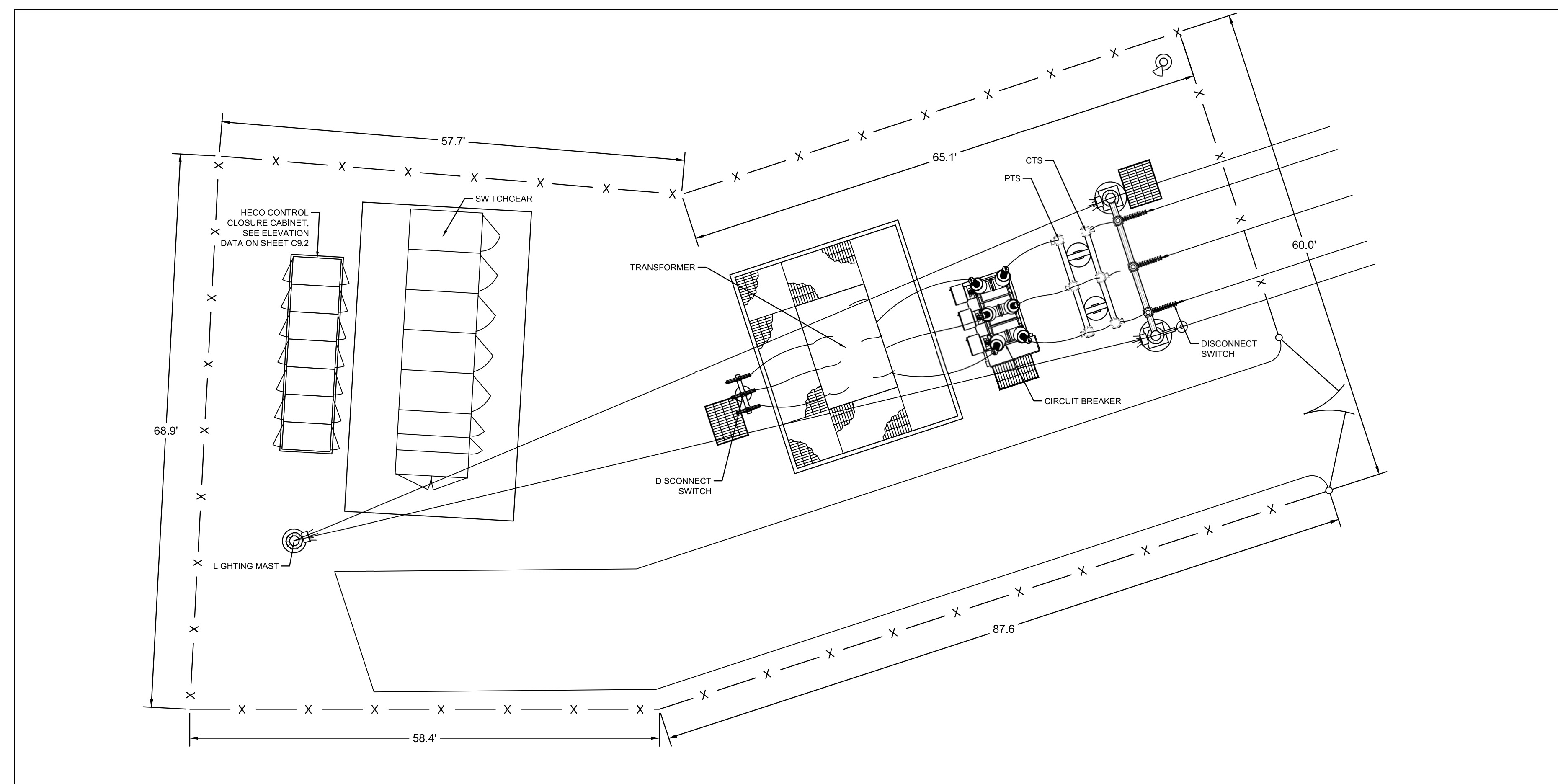
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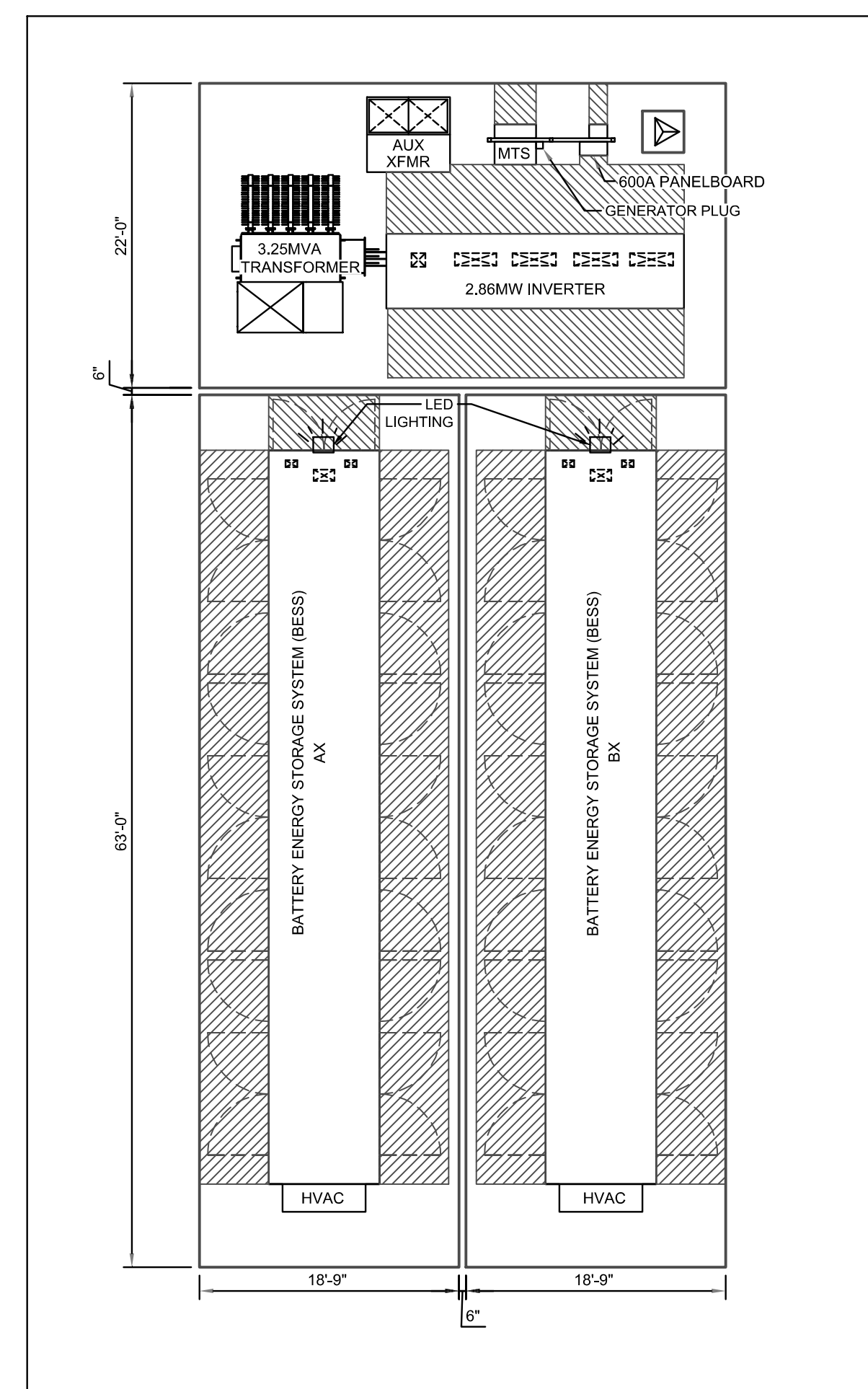
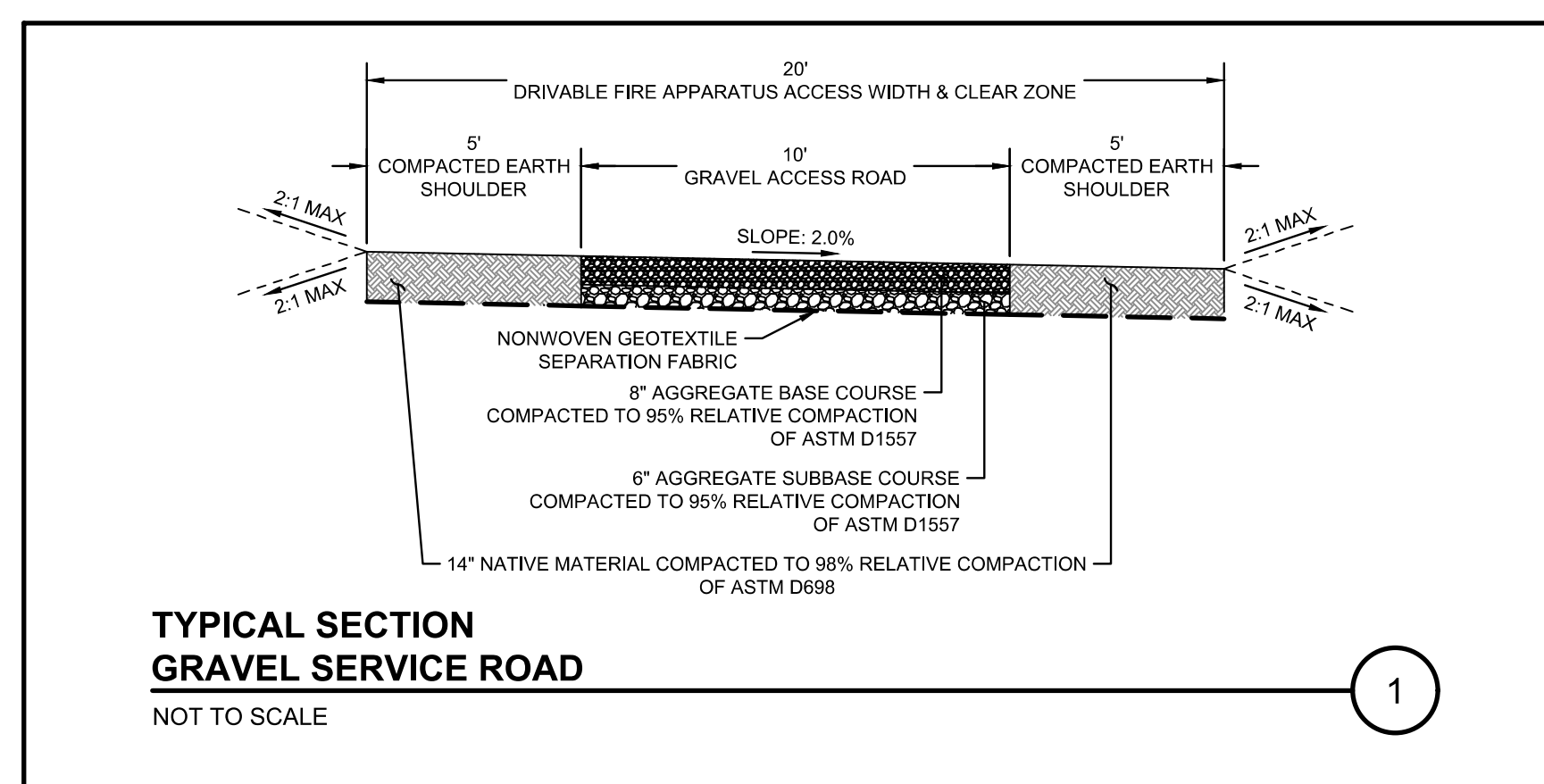
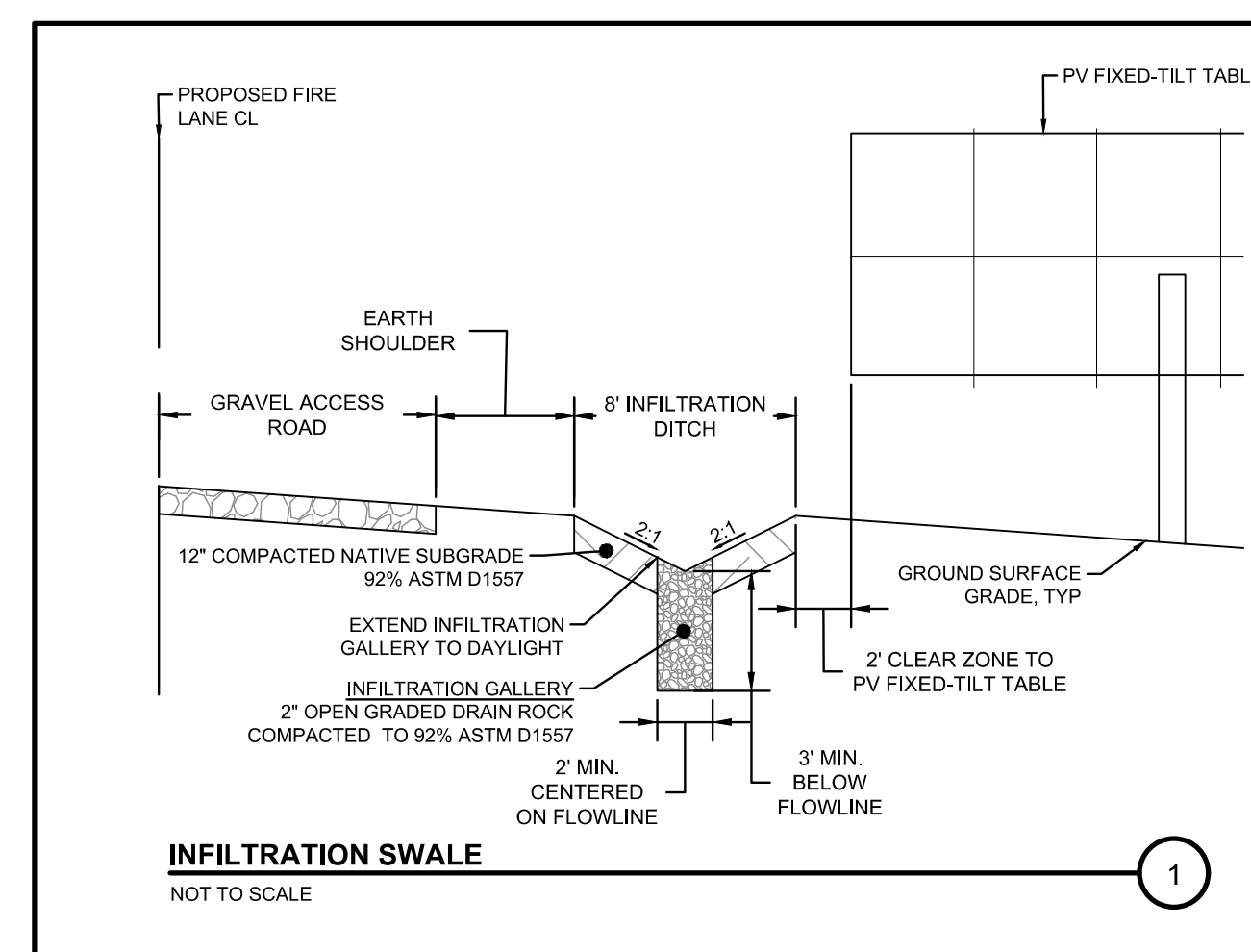
LIC. EXP. DATE



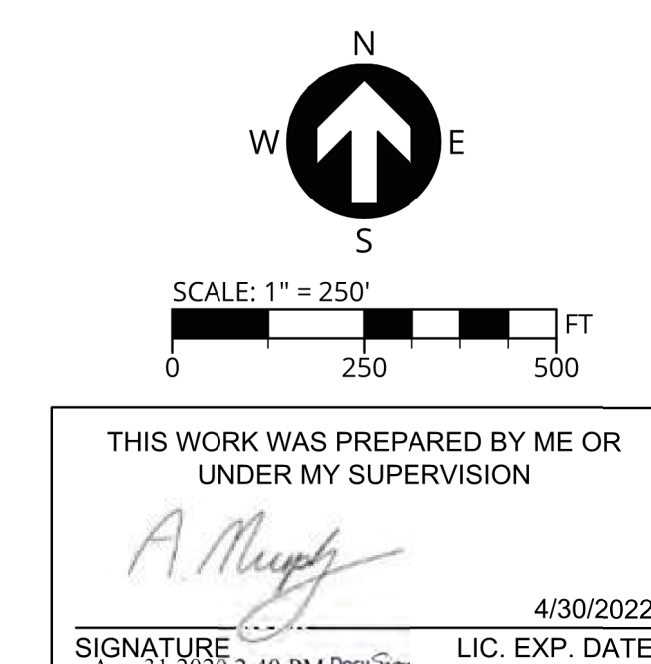
PV FIXED-TILT TABLE -
SEE ELEVATION DATA ON SHEET C9.2

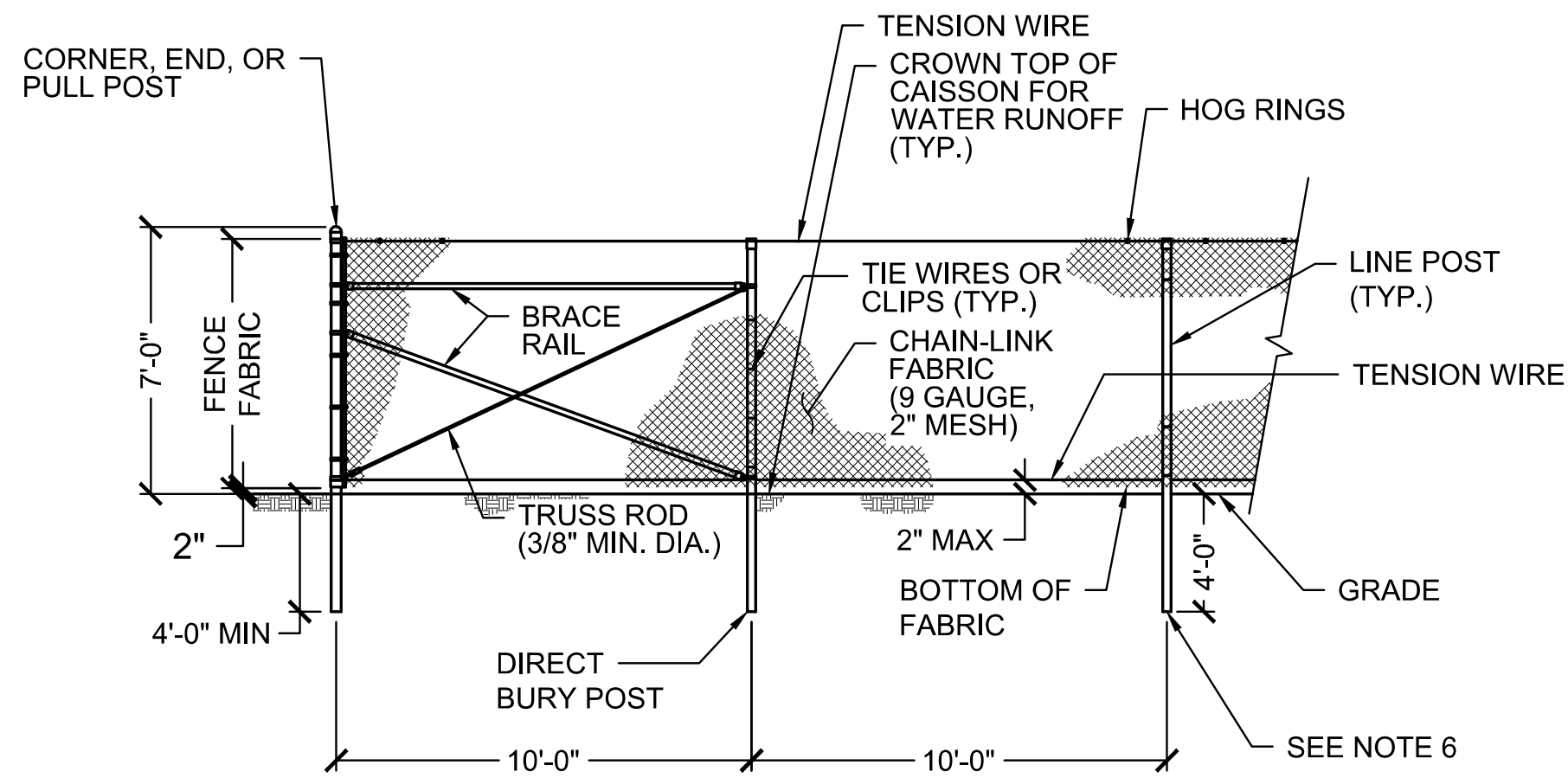


PRELIMINARY AES SUBSTATION LAYOUT -
SEE ELEVATION DATA ON SHEET C9.2

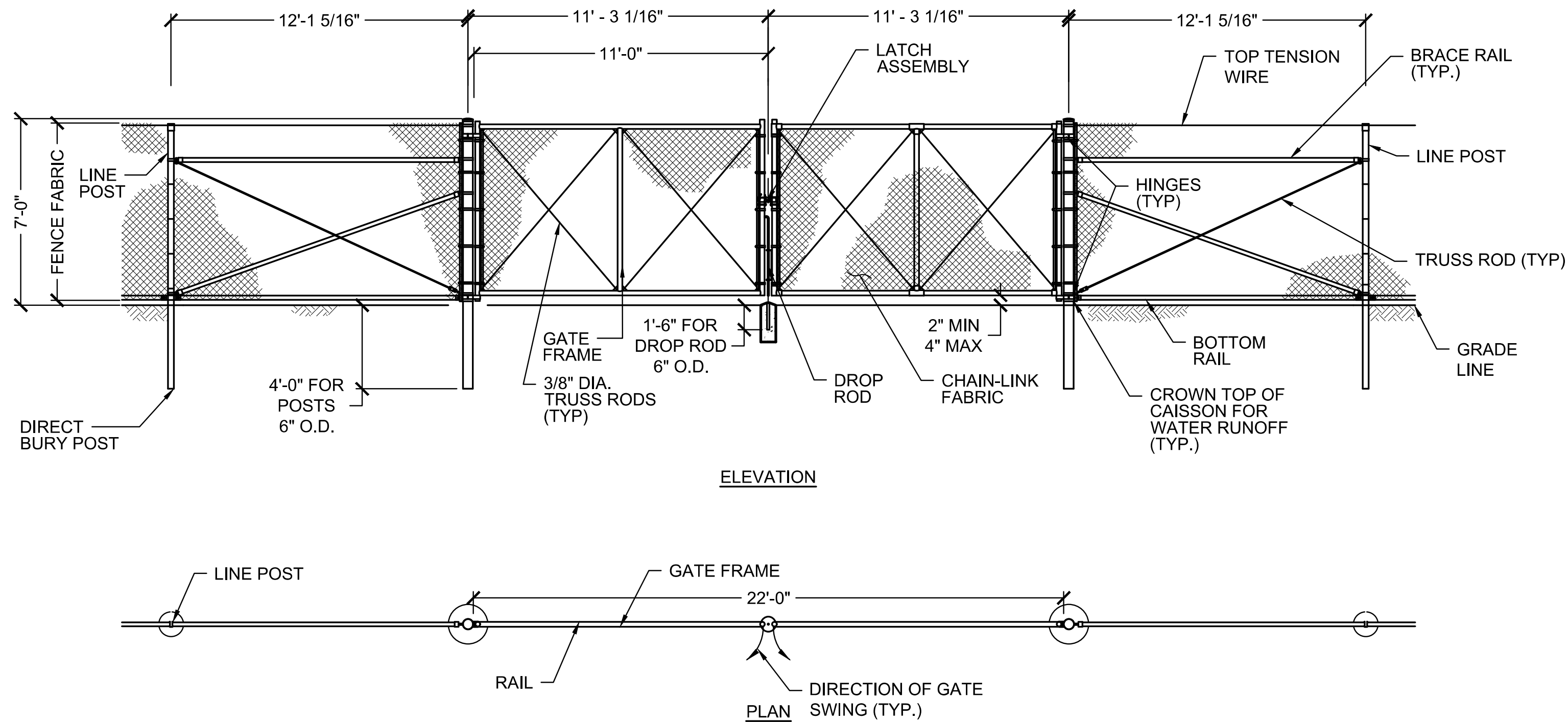


POWER CONVERSION STATION (PCS) PAD LAYOUT -
SEE ELEVATION DATA ON SHEET C9.2

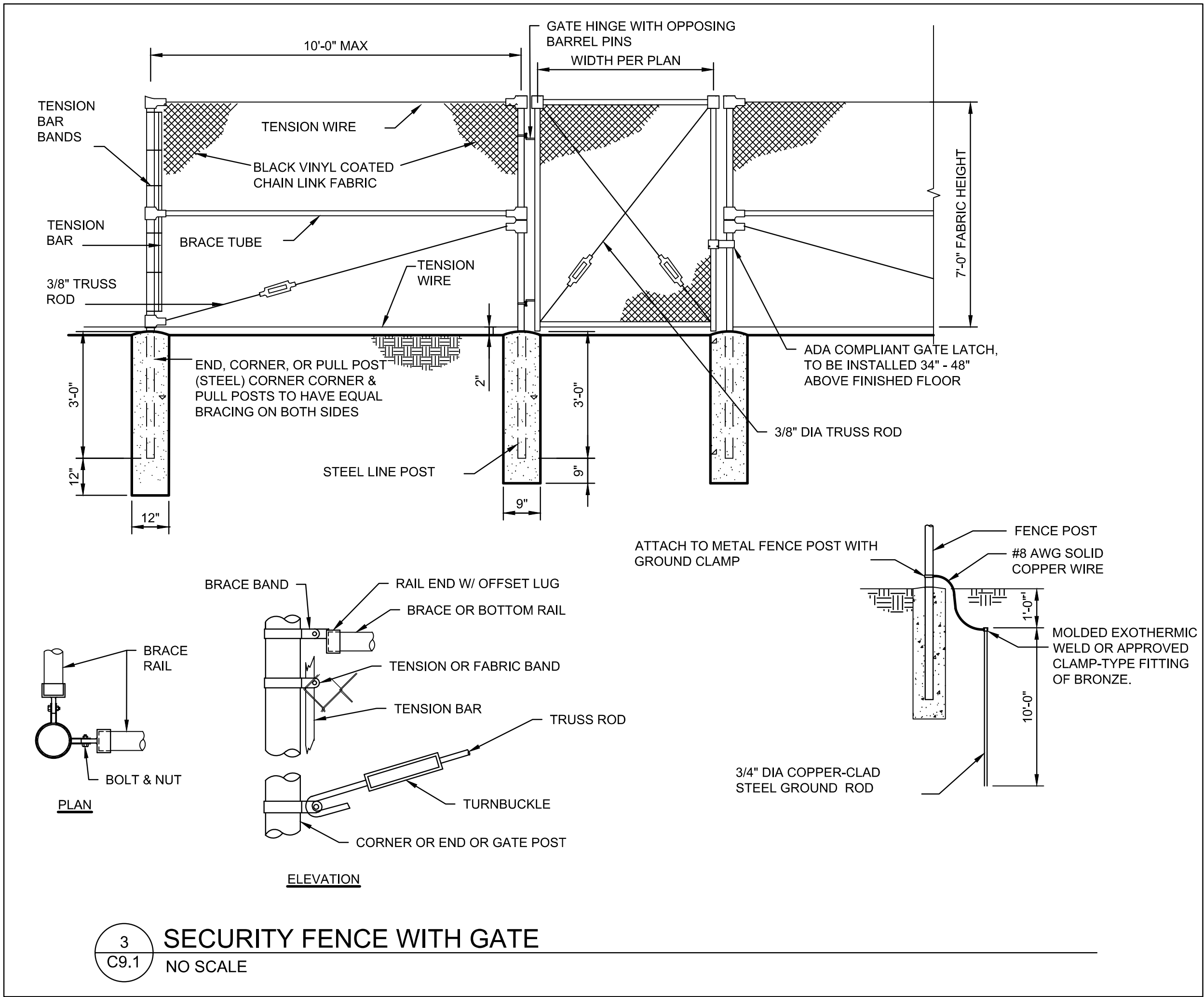




1 PERIMETER FENCE ELEVATION
C9.1



2 TYPICAL ACCESS GATE
C9.1



3 SECURITY FENCE WITH GATE
C9.1 NO SCALE



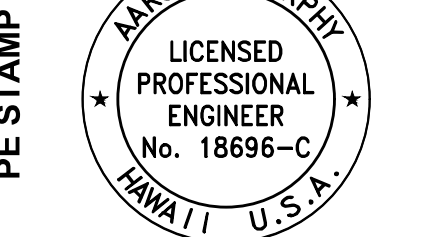
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282 Century Pl, Suite 2000
Louisville, CO 80027 USA



SYSTEM DESCRIPTION

REV	BY	DATE	DESCRIPTION



AES WEST OAHU SOLAR
OAHU, HI

PROJECT NUMBER
19537
PHASE
LAND USE
MILESTONE
60% DESIGN

ELECTRICAL DESIGNER

STRUCTURAL DESIGNER

DATE
08-26-2020

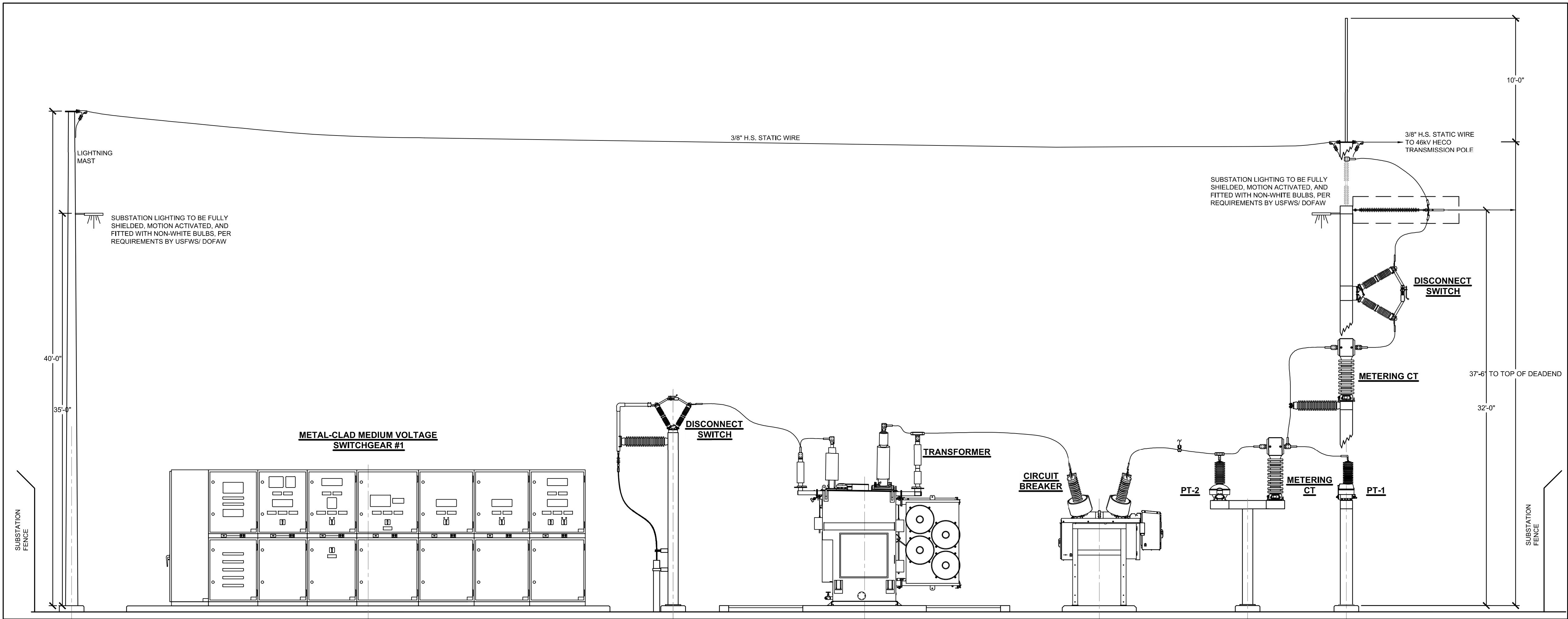
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TITLE
CIVIL DETAIL 1

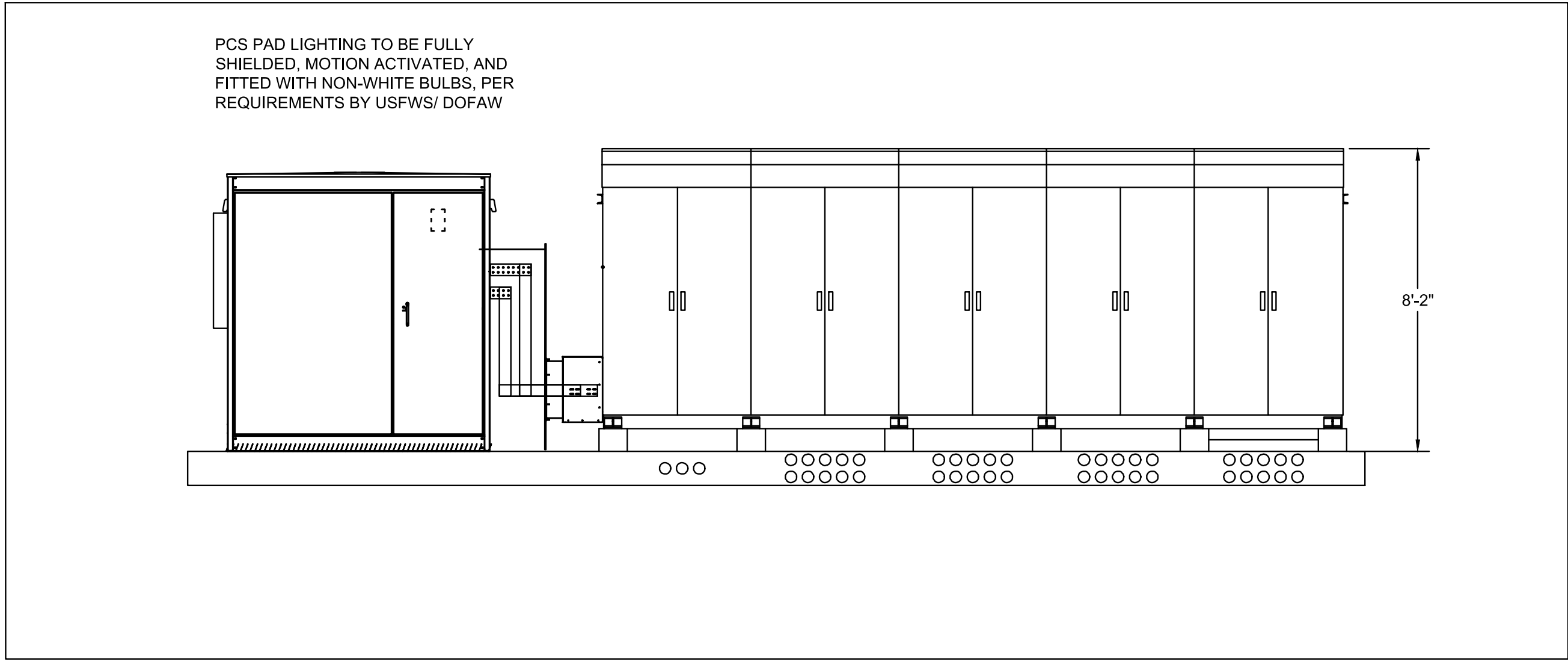
DRAWING

C9.1

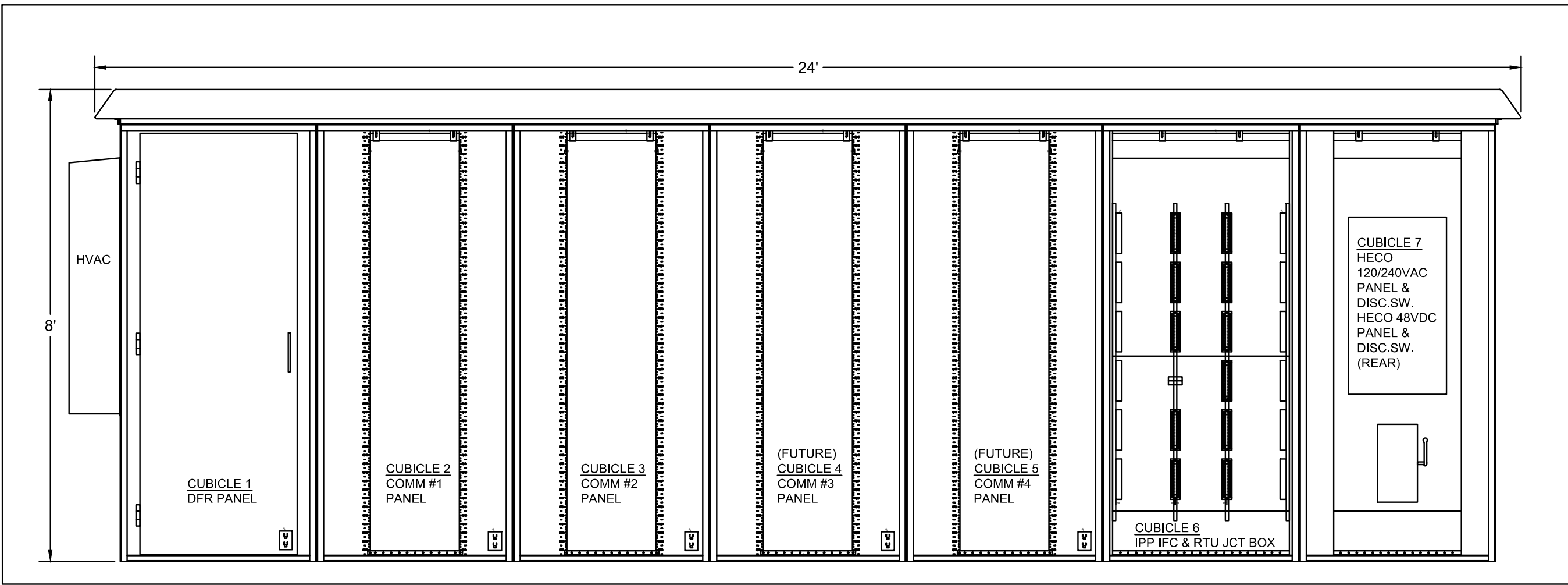
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Aug 31, 2020 2:40 PM
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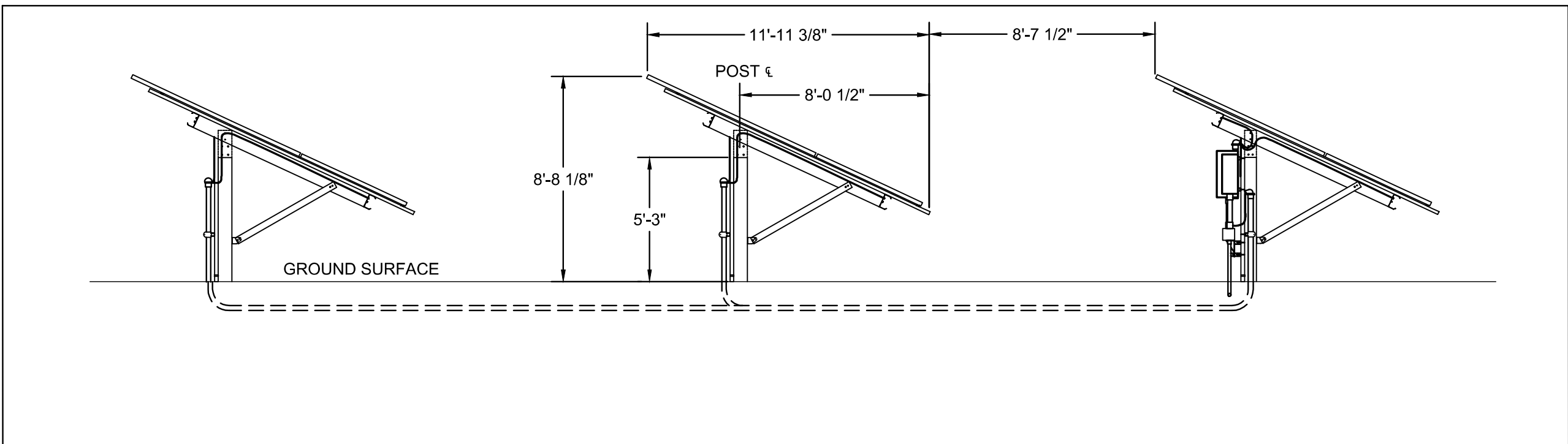
1
C9.2
PRELIMINARY SUBSTATION ELEVATION
N.T.S.



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.



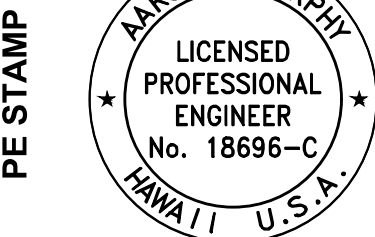
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SYSTEM DESCRIPTION

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

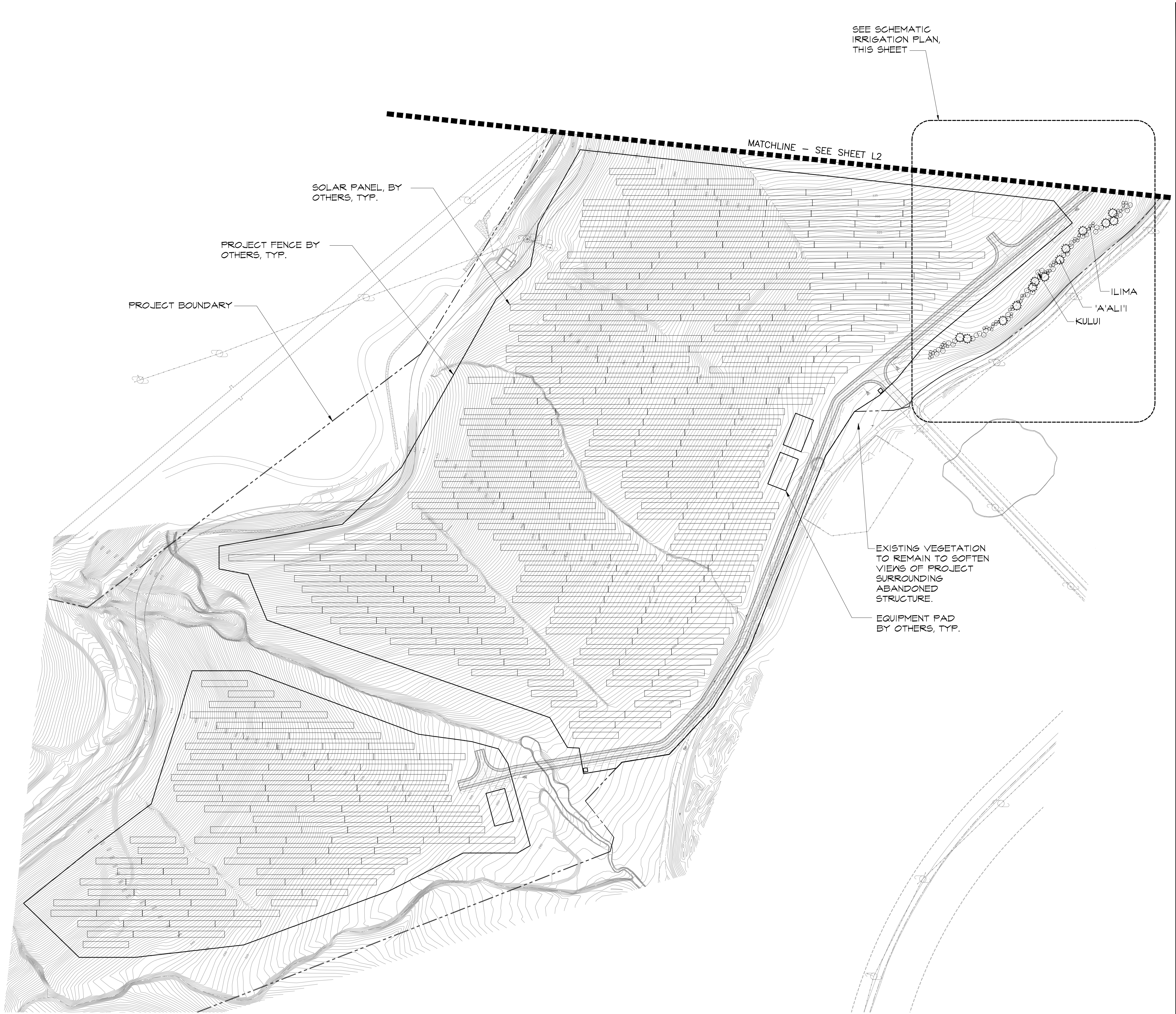
SCALE
N/A

TITLE
CIVIL DETAIL 2

DRAWING

C9.2

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UNDER MY SUPERVISION
A. Murphy
SIGNATURE
Aug 31, 2020 2:40 PM
4/30/2022
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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.

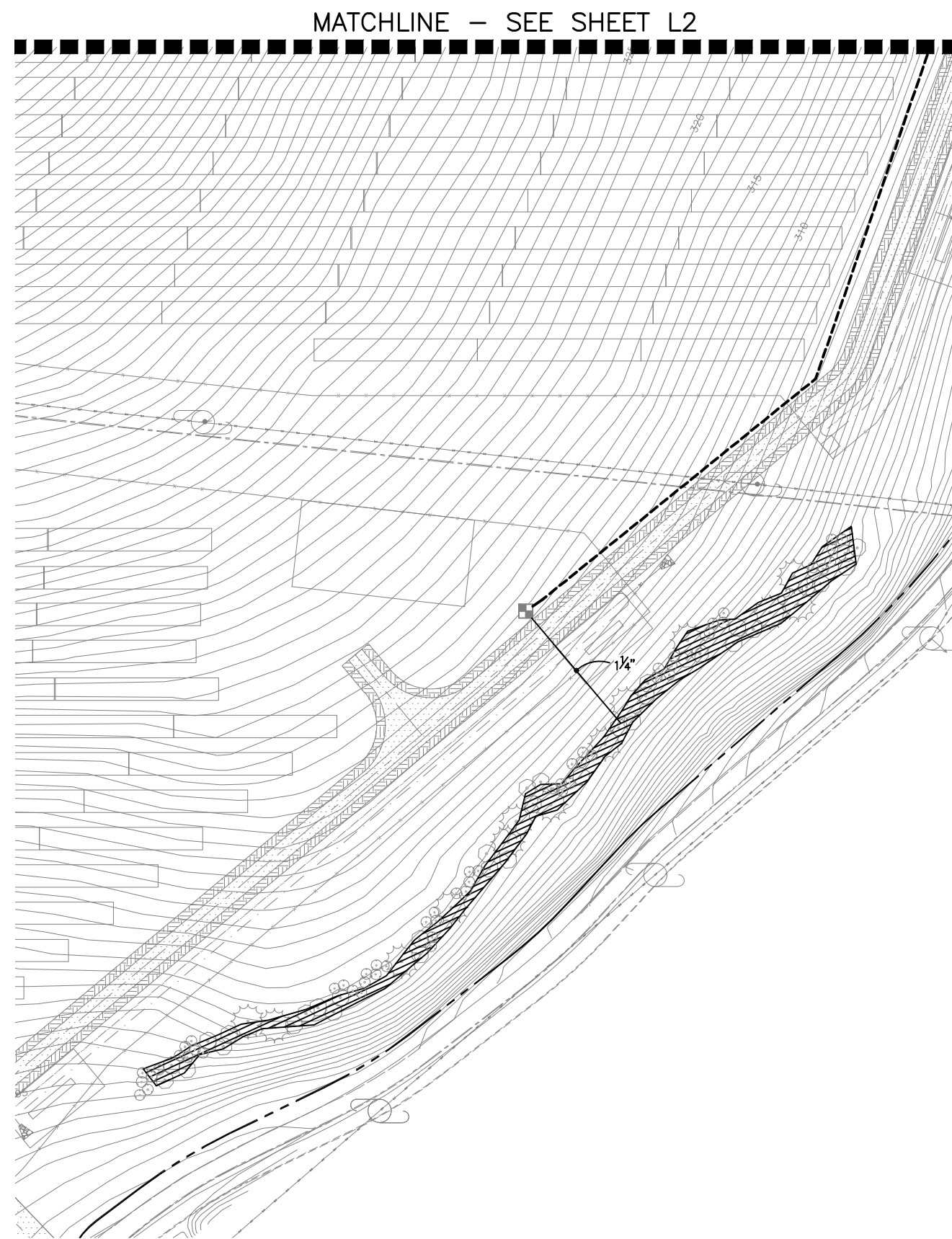
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Vivian L. Arita
SIGNATURE DATE 06/30/22 EXPIRATION DATE

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

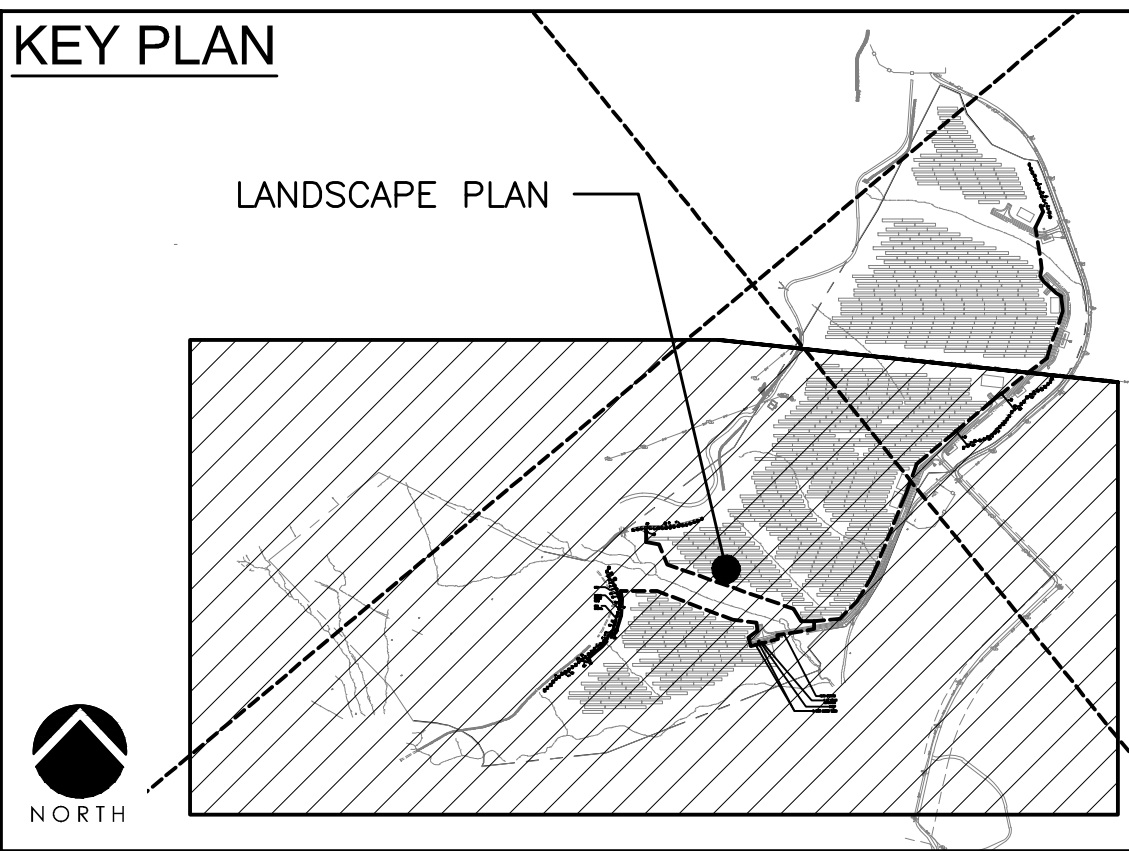


NOTE: SEE IRRIGATION EQUIPMENT LIST ON SHEET L3 FOR MORE INFORMATION.

SCHEMATIC IRRIGATION PLAN

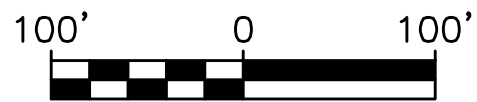
NORTH SCALE: 1" = 80'-0"

80' 0 80'

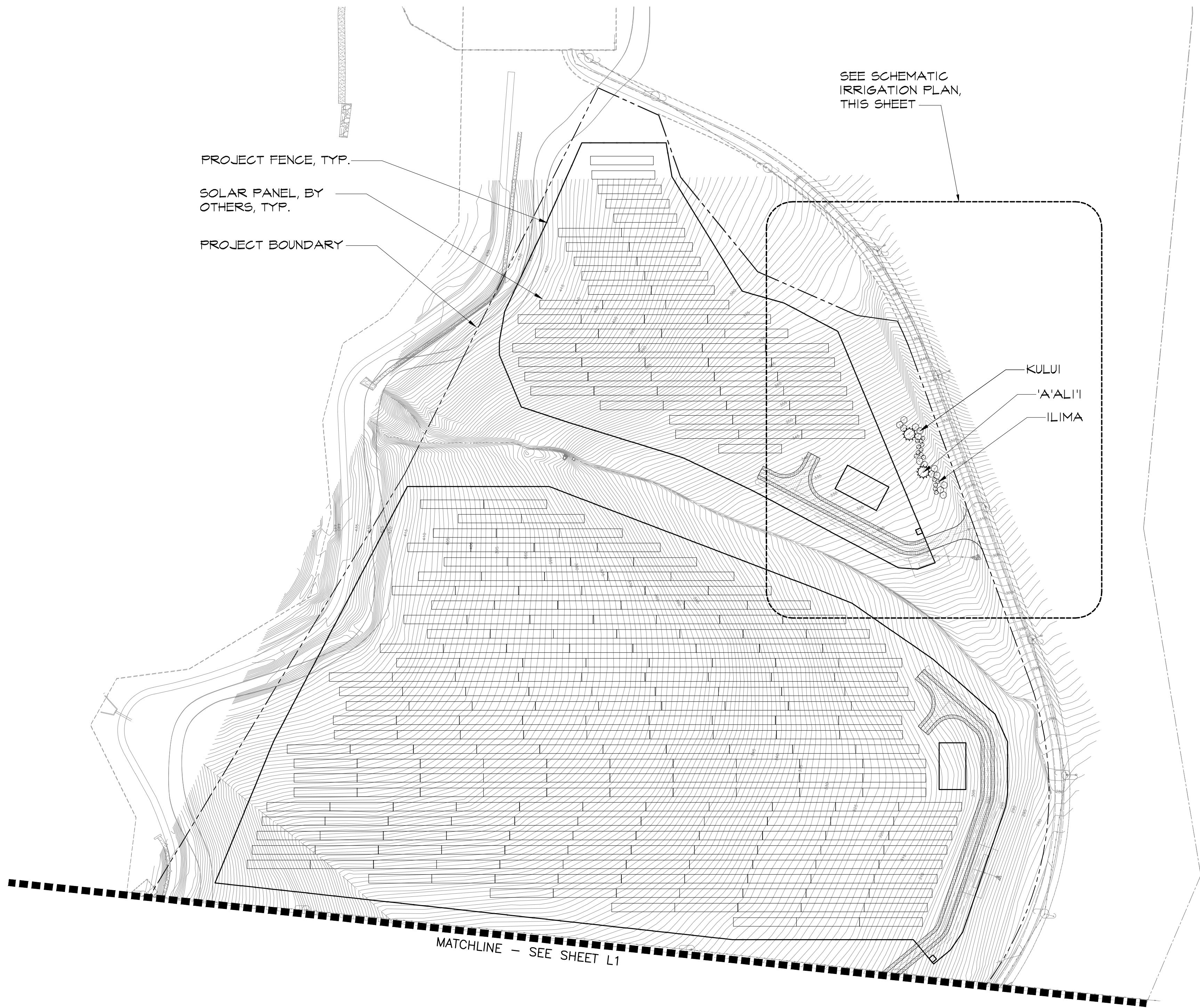


LANDSCAPE PLAN

NORTH SCALE: 1" = 100'-0"

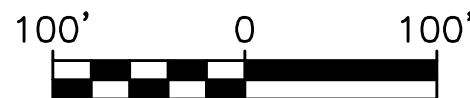


NOTE: SEE PLANT LEGEND ON SHEET L3 FOR PLANT NAMES, SIZES, QUANTITIES AND OTHER INFORMATION.



LANDSCAPE PLAN

SCALE: 1" = 100'-0"

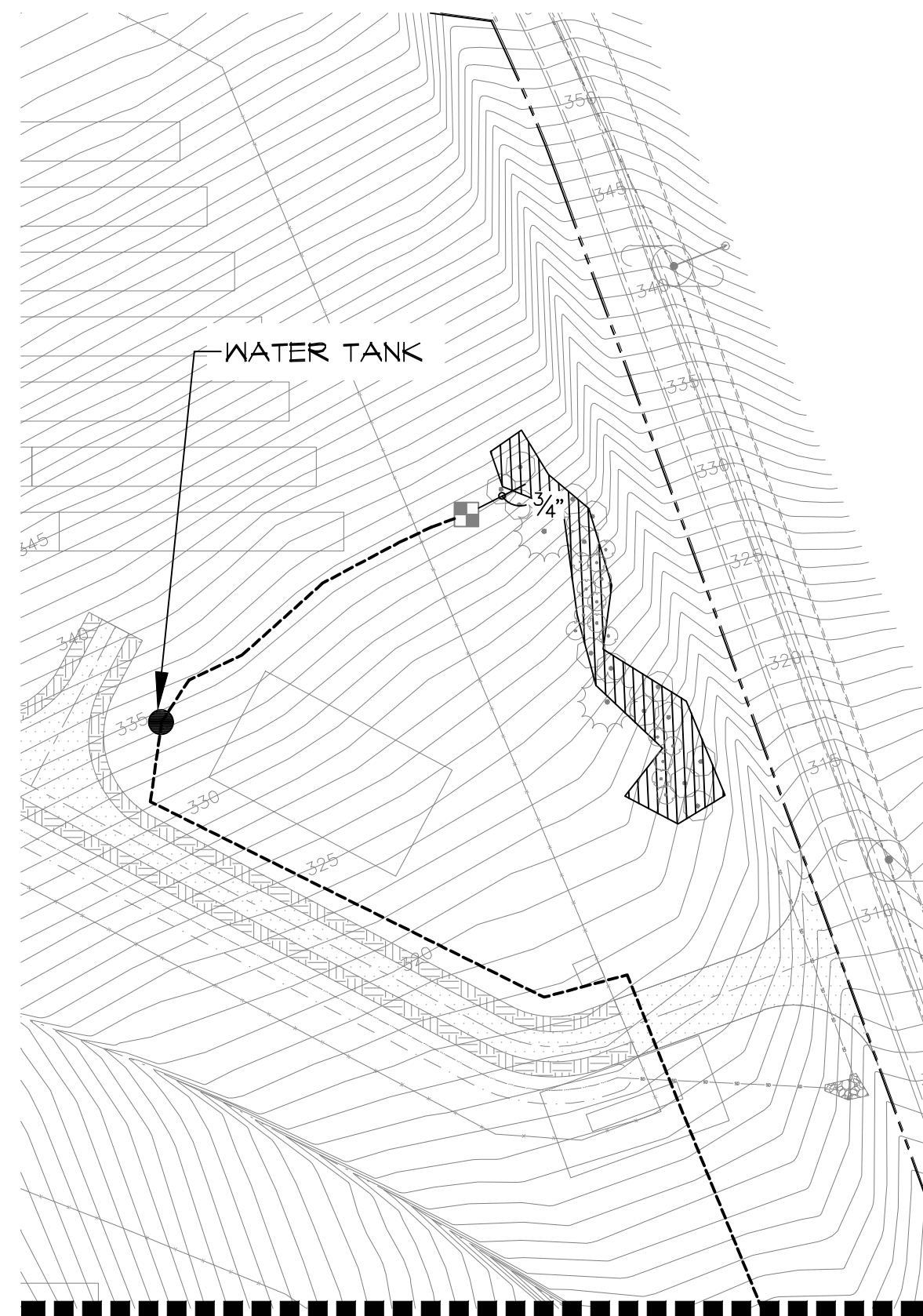
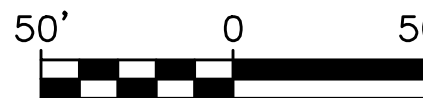


NOTE: SEE PLANT LEGEND ON SHEET L3 FOR PLANT NAMES, SIZES, QUANTITIES AND OTHER INFORMATION.



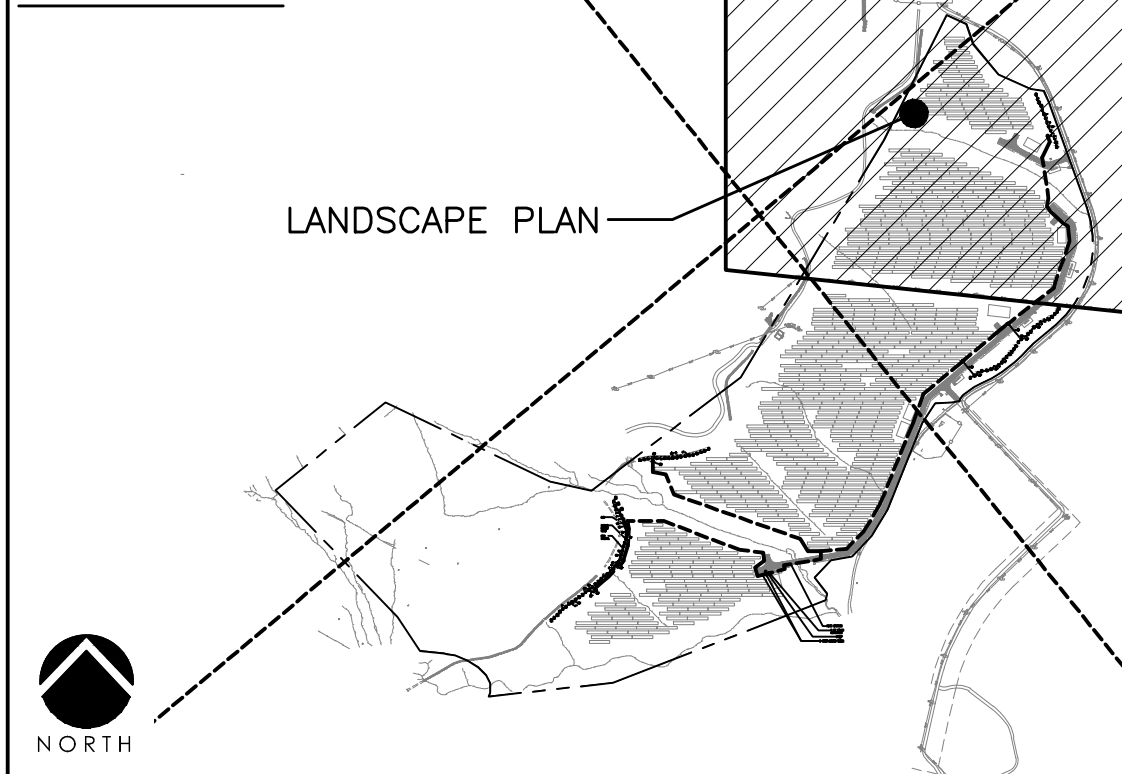
SCHEMATIC IRRIGATION PLAN

SCALE: 1" = 50'-0"



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

KEY PLAN



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

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Vivian L. Arita
SIGNATURE EXPIRATION DATE 06/30/22

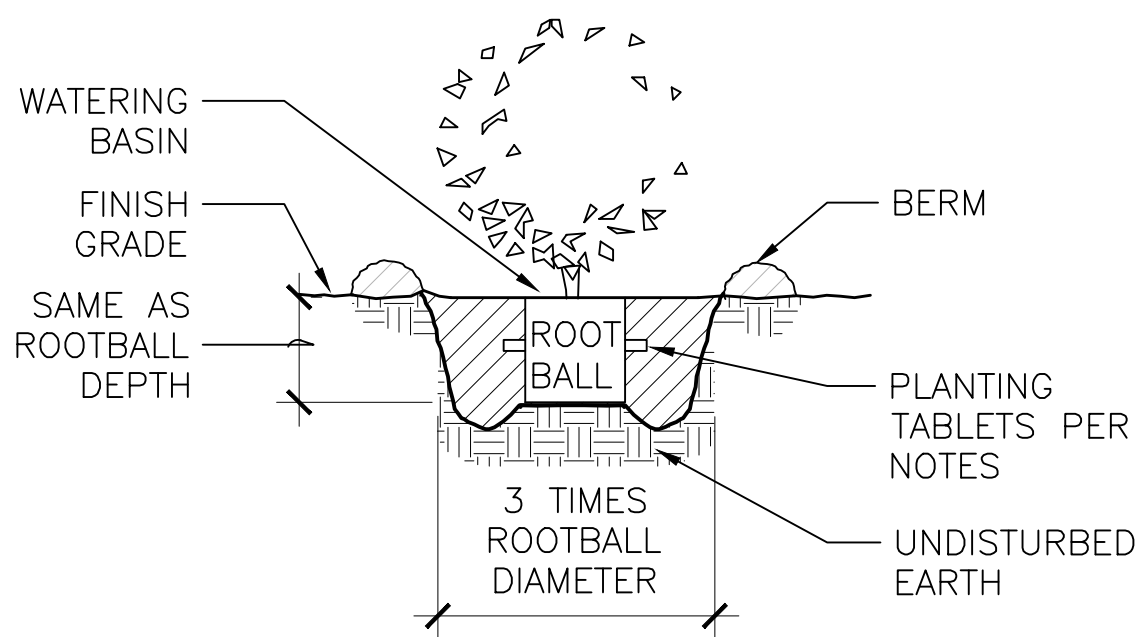
AES WEST O'AHU SOLAR PLUS STORAGE PROJECT
TMK: 9-2-002:007, Hono'uli'uli, 'Ewa, O'ahu, Hawai'i

LANDSCAPE PLAN AND SCHEMATIC IRRIGATION PLAN

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

L2

2 OF 3 SHEETS



1 SHRUB PLANTING DETAIL

NOT TO SCALE

PLANTING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS WITHIN THE PROJECT SITE PRIOR TO BEGINNING LANDSCAPE CONSTRUCTION ACTIVITIES.
2. PRIOR TO THE INSTALLATION OF ALL NEW SHRUBS, THE CONTRACTOR SHALL CLEAR AND GRUB EXISTING VEGETATION WITHIN A 10' DIAMETER FOR EACH NEW PLANTING.
3. ANY DAMAGE DONE TO UTILITIES BY THE LANDSCAPE CONTRACTOR DURING LANDSCAPE INSTALLATION ACTIVITIES SHALL BE REPAIRED/RESTORED TO ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER
4. REFER TO "LANDSCAPE SPECIFICATIONS" SECTION 02480 PRIOR TO THE START OF WORK. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL MATERIALS, SCHEDULING, PRODUCTS, WARRANTIES AND METHODS FOR EXECUTION OF WORK WHICH MAY NOT BE INDICATED WITHIN THE DRAWINGS.
5. BACKFILL MIX SHALL CONSIST OF THREE (3) PARTS AMENDED IMPORTED PLANTING SOIL TO ONE (1) PART ORGANIC SOIL CONDITIONER (SEE SPECIFICATIONS). ADD ONE (1) POUND OF 10-30-10 FERTILIZER TO ONE (1) CUBIC YARD OF BACKFILL MIX. MIX THOROUGHLY ON PROJECT SITE PRIOR TO ANY PLANTING OPERATIONS.
6. PLANTING TABLETS FOR SHRUBS SHALL BE AS FOLLOWS:

A) 5 GALLON

B) 3 GALLON

3 TABLETS

2 TABLETS

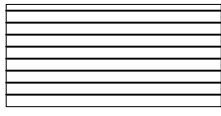
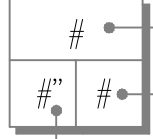
USE SLOW RELEASE FERTILIZER TABLETS 20-10-5, 21 GRAM SIZE.

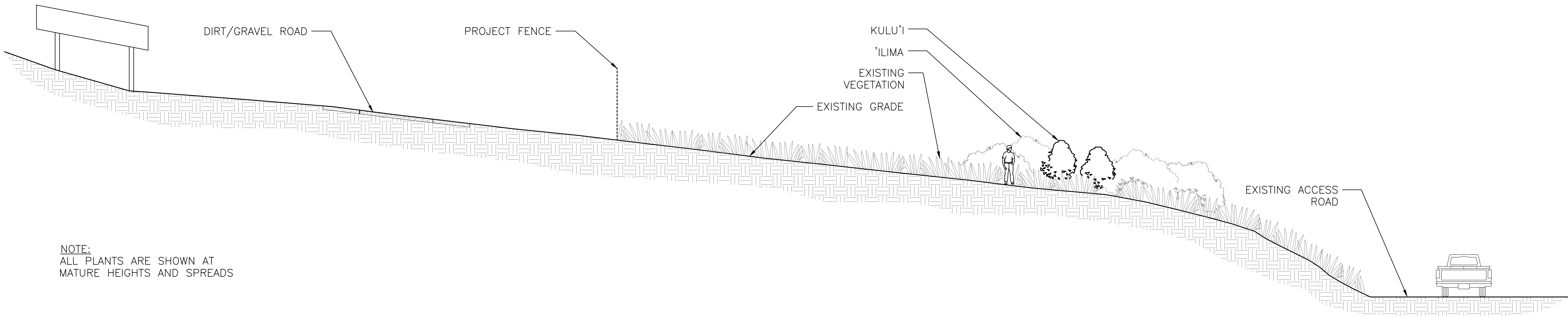
7. QUANTITIES SHOWN ON PLANT SCHEDULE ARE FOR REFERENCE ONLY. VERIFY ACTUAL QUANTITIES AS SHOWN ON PLAN TO PROVIDE FULL AND EVEN COVERAGE OF PLANTING AREAS.

PLANT SCHEDULE

SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	SIZE	HEIGHT	SPREAD	REMARKS
	48	KULU'I	NOTOTRICHUM SANDWICENSE	5 GAL	3'-4'	2'-3'	MATURE HT: 6'
	15	'A'ALI'I	DODONAEA VISCOSA	5 GAL	3'-4'	2'-3'	MATURE HT: 20'
	69	'ILIMA	SIDA FALLAX	3 GAL	2'-3'	1'-2'	MATURE HT: 6'-8'

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER ICZ-101-25 DRIP CONTROL ZONE KIT. 1" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM. PRESSURE REGULATION: 25PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN. CONTROLLERS SHALL HAVE SOLAR TIMERS.
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-04-18 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.
	1000 GALLON ABOVE GROUND VERTICAL WATER STORAGE TANK. FDA APPROVED HIGH DENSITY LINEAR POLYETHYLENE, IMPACT, UV AND CORROSION RESISTANT.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40-NP
	IRRIGATION MAINLINE: HDPE PE3408 DR 11-NP
	Valve Callout: # Valve Number # Valve Flow # Valve Size



NOTE:
ALL PLANTS ARE SHOWN AT
MATURE HEIGHTS AND SPREADS

2 SECTION THROUGH EAST SLOPE, SHRUBS AND EXISTING ACCESS ROAD

NOT TO SCALE

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

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HONOLULU, HI 96819



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CONSTRUCTION OF THIS PROJECT
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Vivian L. Arita
SIGNATURE EXPIRATION DATE 06/30/22

AES WEST O'AHU SOLAR PLUS STORAGE PROJECT
TMK: 9-2-002:007, Hono'uli'uli, 'Ewa, O'ahu, Hawaii
LANDSCAPE DETAIL, SECTION, PLANT LIST, NOTES
AND IRRIGATION EQUIPMENT LIST

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

L3