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MACADAMIA SOLAR

PLYMOUTH, NC 27970, USA

35.751548°N
76.698616°W

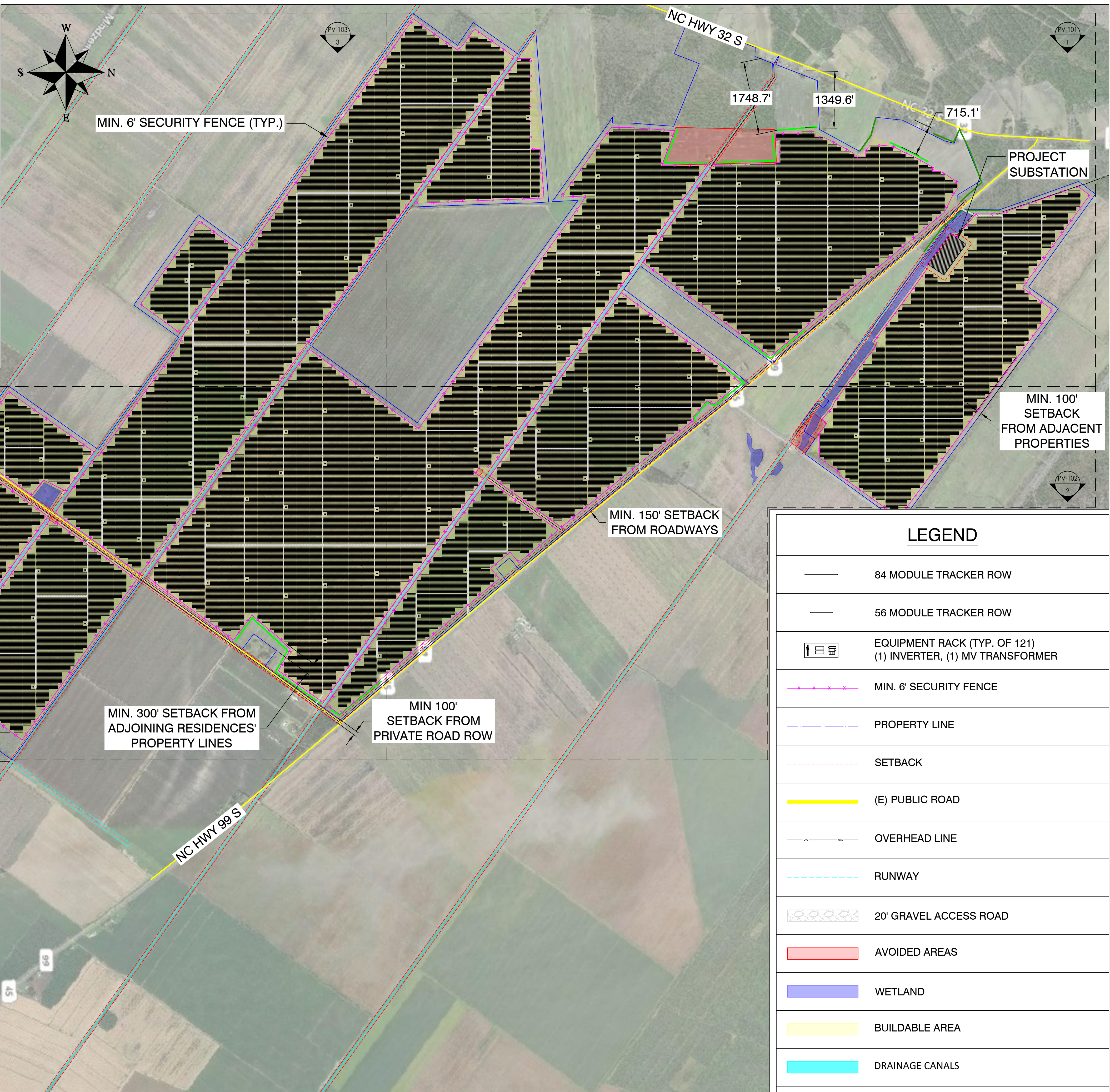
REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	08/06/21

SHEET TITLE:
DRAFT

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 08/06/21
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

PV-100

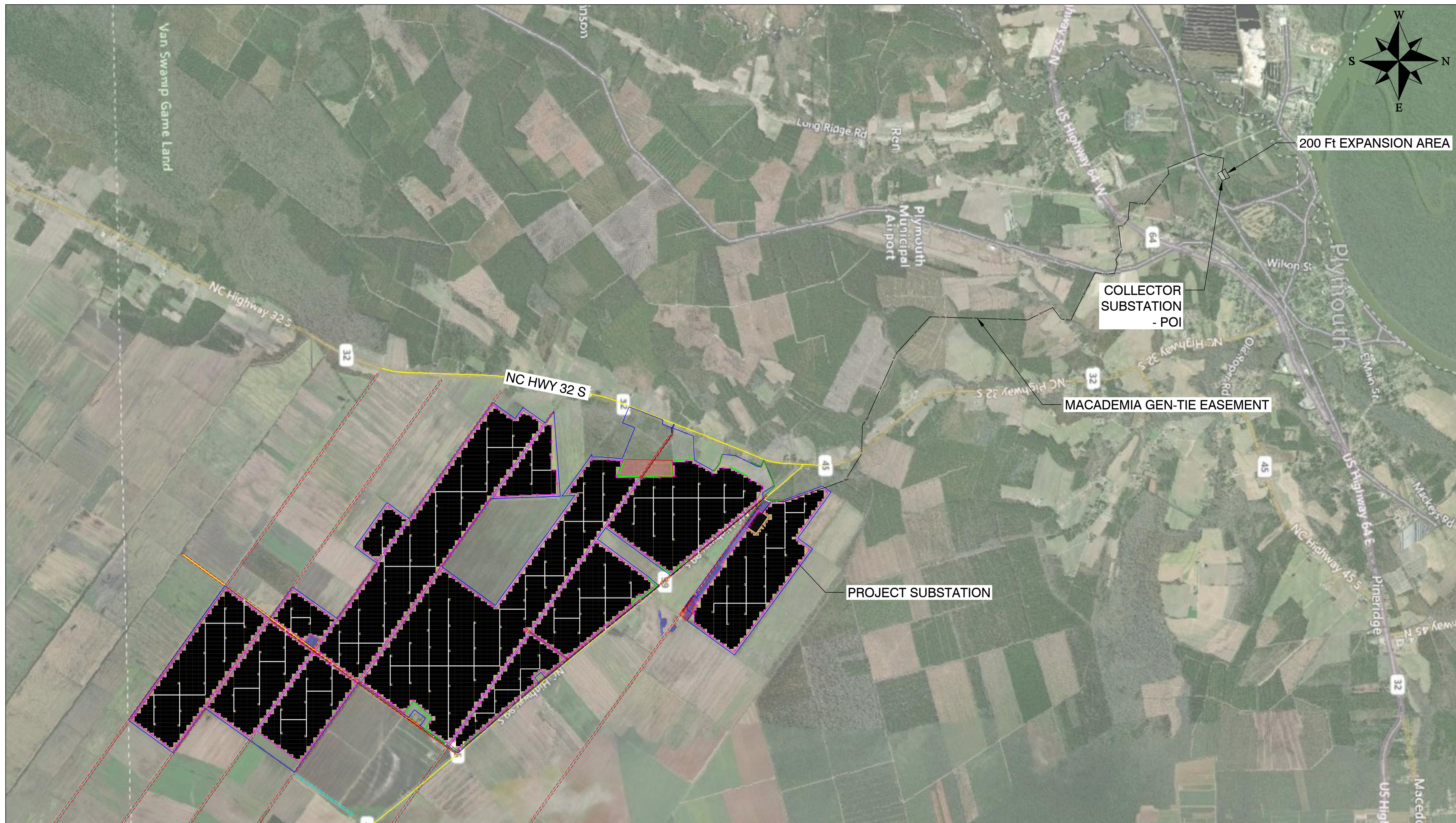
PROJECT DETAILS	
MACADAMIA SOLAR	
SYSTEM SIZE DC	677,701.64 kW
SYSTEM SIZE AC	484,000.00 kW
DC/AC RATIO	1.40
MODULE MODEL	TBD
MODULE RATING	415 W
TOTAL MODULE QTY	1,633,016
MODULES PER STRING	28
# OF STRINGS PER INVERTER	482
TOTAL # OF STRINGS	58,322
INVERTER MODEL	TBD
INVERTER RATING	4,000 kW
TOTAL INVERTER QTY	121
# of 84 MODULE TRACKER ROWS	18,802
# of 56 MODULE TRACKER ROWS	958
RACKING	HSAT
TILT ANGLE	0°
AZIMUTH	180°
INTER-ROW SPACING	20.9'
PITCH	27.9°
GCR	25%
AVAILABLE PROPERTY AREA	5,578.72 ACRES
FENCED AREA	4,813.49 ACRES



LEGEND	
	84 MODULE TRACKER ROW
	56 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 121) (1) INVERTER, (1) MV TRANSFORMER
	MIN. 6' SECURITY FENCE
	PROPERTY LINE
	SETBACK
	(E) PUBLIC ROAD
	OVERHEAD LINE
	RUNWAY
	20' GRAVEL ACCESS ROAD
	AVOIDED AREAS
	WETLAND
	BUILDABLE AREA
	DRAINAGE CANALS
	VEGETATIVE BUFFER
	EXISTING VEGETATIVE BUFFER

1 SITE PLAN
PV-100 Scale: 1"=1200'

NOTE:
EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.



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PV-101

1 SITE PLAN
PV-101 Scale: 1"=2500'

LEGEND			
—	84 MODULE TRACKER ROW	- - - - -	SETBACK
—	56 MODULE TRACKER ROW	—	(E) PUBLIC ROAD
	EQUIPMENT RACK (TYP. OF 121) (1) INVERTER, (1) MV TRANSFORMER	—	OVERHEAD LINE
- - - - -	MIN. 6' SECURITY FENCE		20' GRAVEL ACCESS ROAD
- - - - -	PROPERTY LINE	- - - - -	RUNWAY
	AVOIDED AREAS		BUILDABLE AREA
	DRAINAGE CANALS		WETLAND
	VEGETATIVE BUFFER		EXISTING VEGETATIVE BUFFER

NOTE:
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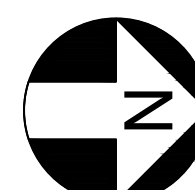
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PV-102



1 SITE PLAN
PV-102 Scale: 1"=600'



LEGEND	
	84 MODULE TRACKER ROW
	56 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 121) (1) INVERTER, (1) MV TRANSFORMER
	MIN. 6' SECURITY FENCE
	PROPERTY LINE
	AVOIDED AREAS
	DRAINAGE CANALS
	VEGETATIVE BUFFER
	SETBACK
	(E) PUBLIC ROAD
	OVERHEAD LINE
	20' GRAVEL ACCESS ROAD
	RUNWAY
	BUILDABLE AREA
	WETLAND
	EXISTING VEGETATIVE BUFFER

NOTE:
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1400 Shattuck Avenue, Suite 3
Berkeley, California 94709



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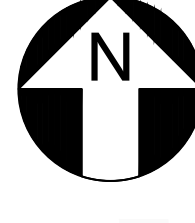
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PV-103



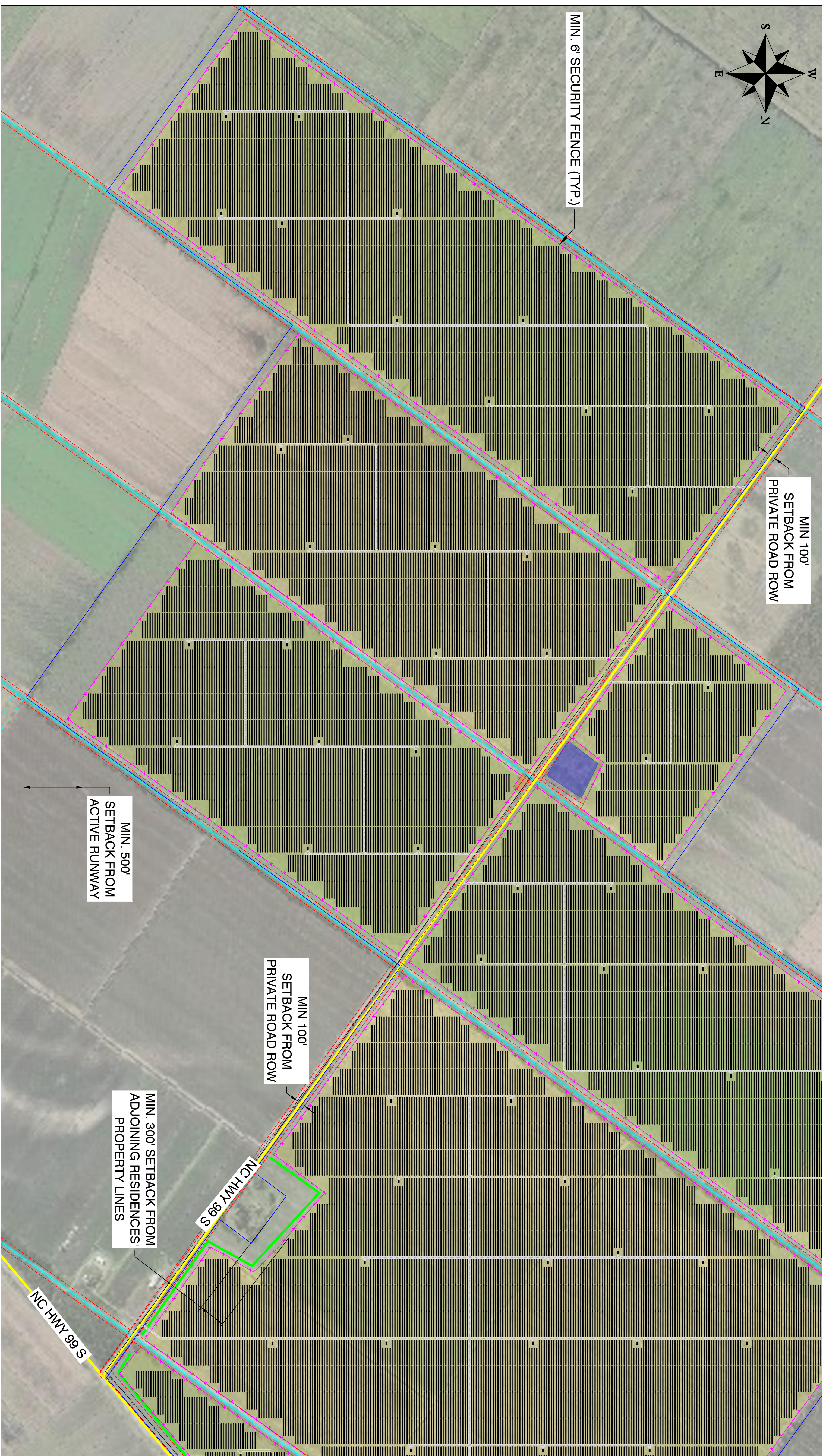
1 SITE PLAN
PV-103 Scale: 1"=600'

LEGEND

84 MODULE TRACKER ROW	SETBACK
56 MODULE TRACKER ROW	(E) PUBLIC ROAD
EQUIPMENT RACK (TYP. OF 121) (1) INVERTER, (1) MV TRANSFORMER	OVERHEAD LINE
MIN. 6' SECURITY FENCE	20' GRAVEL ACCESS ROAD
PROPERTY LINE	RUNWAY
AVOIDED AREAS	BUILDABLE AREA
DRAINAGE CANALS	WETLAND
VEGETATIVE BUFFER	EXISTING VEGETATIVE BUFFER

NOTE:

EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.



1 SITE PLAN
PV-104 Scale: 1"=600'

NOTE:
EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.

LEGEND	
	SETBACK
	(E) PUBLIC ROAD
	OVERHEAD LINE
	20' GRAVEL ACCESS ROAD
	RUNWAY
	AVOIDED AREAS
	DRAINAGE CANALS
	VEGETATIVE BUFFER
	84 MODULE TRACKER ROW
	56 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 121) (1) INVERTER, (1) MV TRANSFORMER
	MIN. 6' SECURITY FENCE
	PROPERTY LINE
	BUILDABLE AREA
	WETLAND
	EXISTING VEGETATIVE BUFFER
	EXISTING VEGETATIVE BUFFER

Schedule 5 - EMP 119 Sub 0

1400 Stonelock Avenue, Suite 3
Berkeley, California 94709

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PV-104



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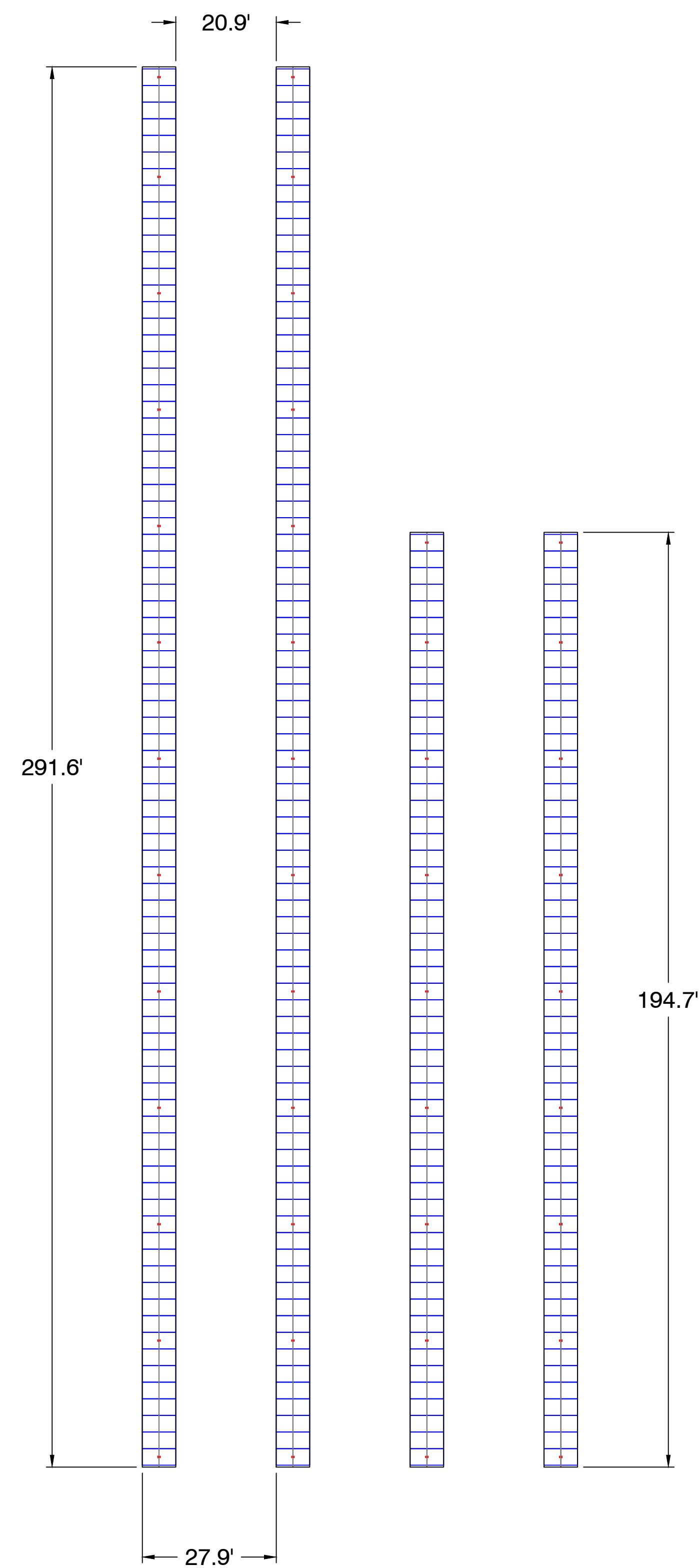
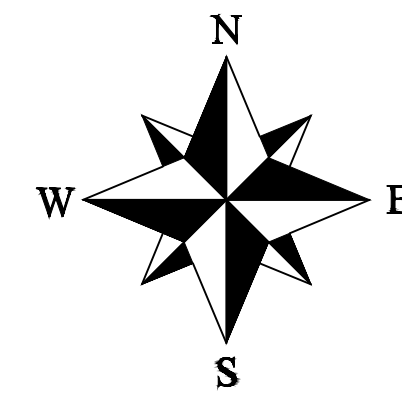
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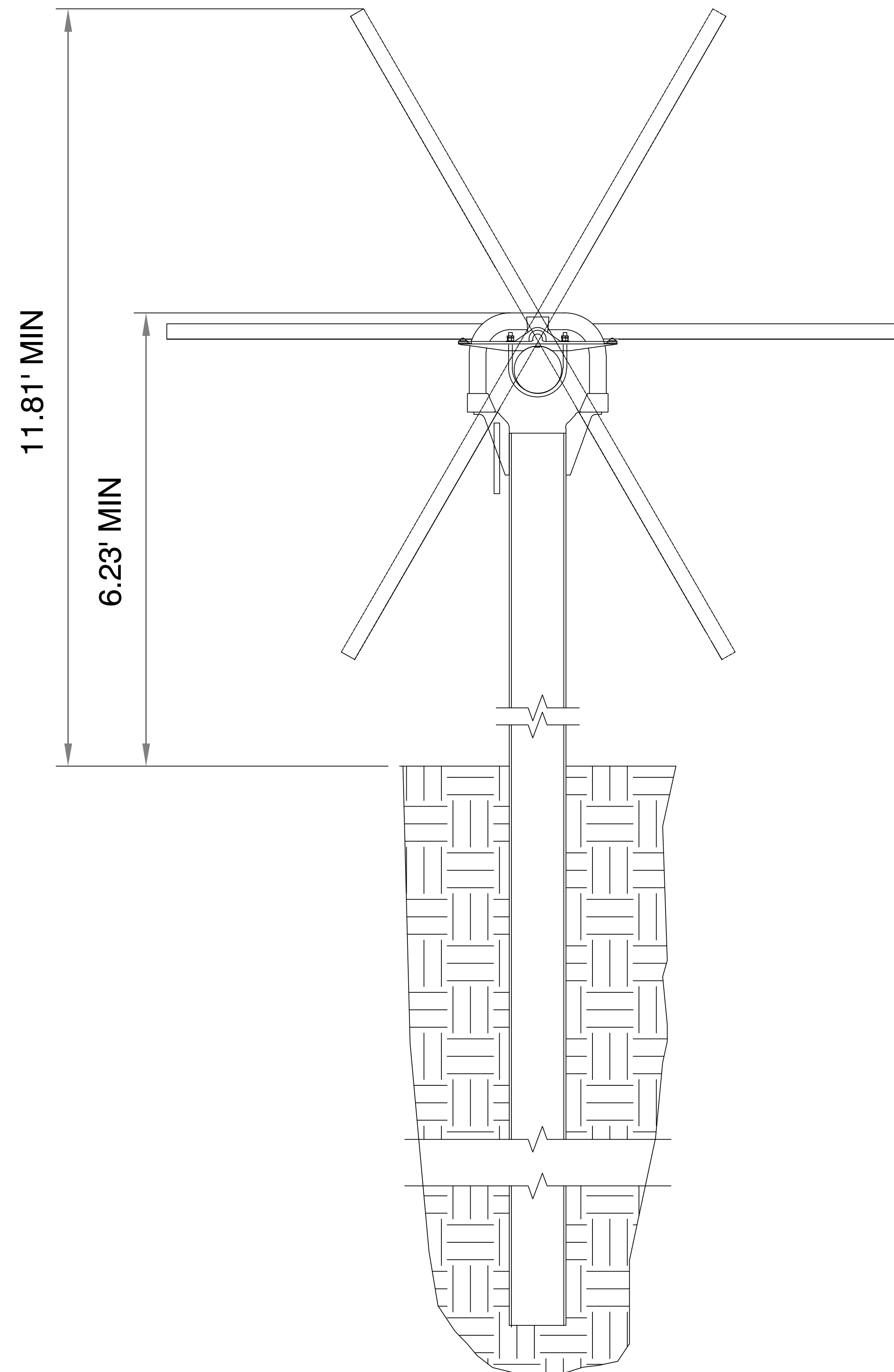
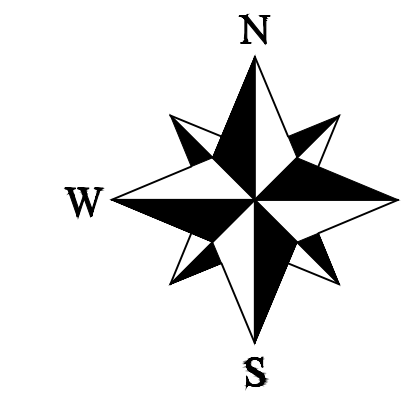
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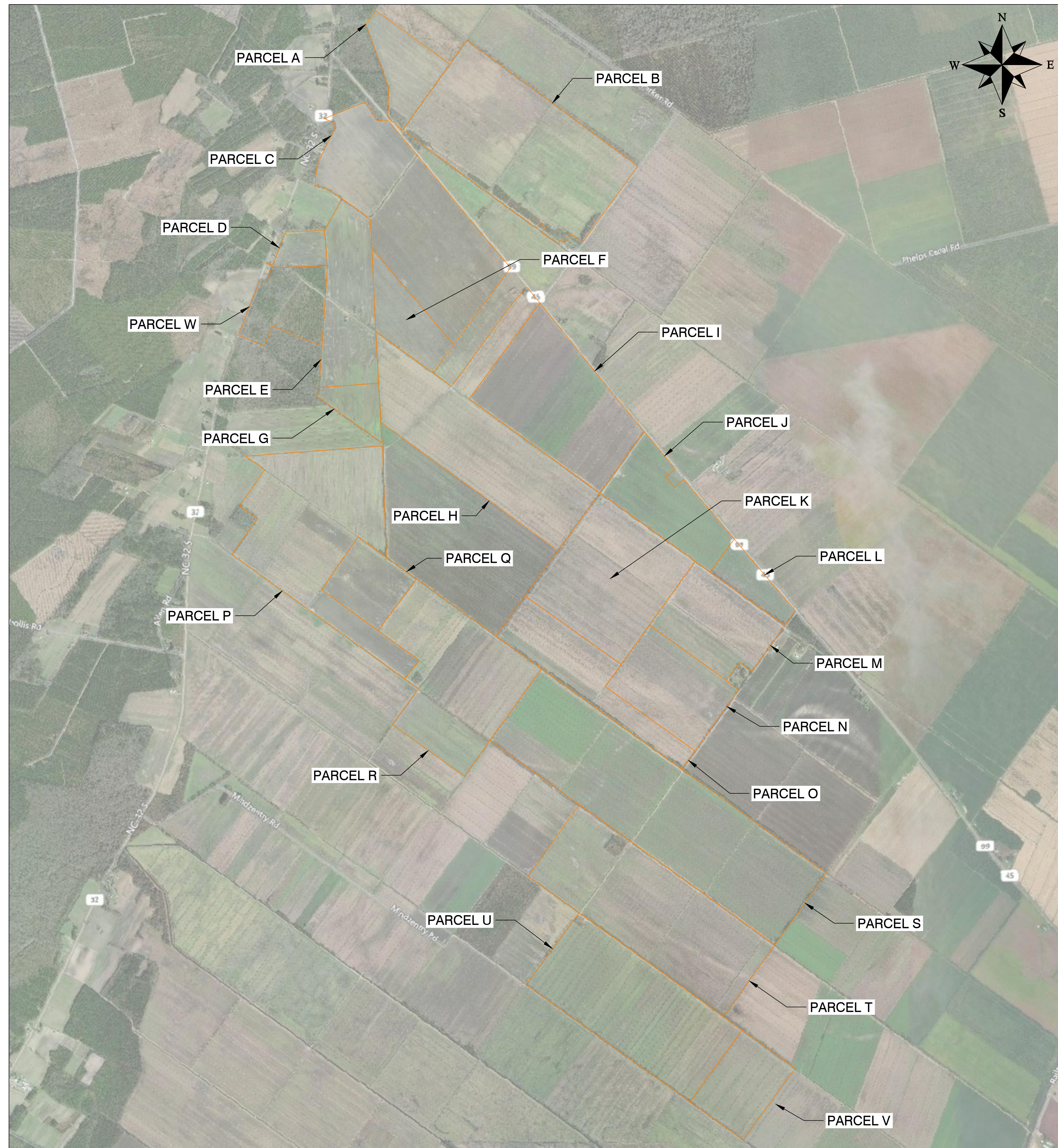
PV-105



1 TYP. TRACKER ROWS
PV-105 Scale: 1"=20'



2 RACKING ELEVATION
PV-105 Scale: NTS



1 SITE PLAN
PV-106 Scale: 1"=1600'



PROJECT DETAILS				
	PARCEL A	PARCEL B	PARCEL C	PARCEL D
SYSTEM SIZE DC	11,353.57 kW	63,607.05 kW	57,160.86 kW	-
MODULE QTY	27358	153270	137737	-
PARCEL AREA	95.39 ACRES	471.70 ACRES	418.51 ACRES	34.14 ACRES
FENCE AREA	77.10 ACRES	411.44 ACRES	344.83 ACRES	-

PROJECT DETAILS				
	PARCEL E	PARCEL F	PARCEL G	PARCEL H
SYSTEM SIZE DC	19,655.65 kW	14,415.03 kW	5,383.38 kW	57,621.92 kW
MODULE QTY	47363	34735	12972	138848
PARCEL AREA	178.88 ACRES	91.02 ACRES	43.44 ACRES	412.06 ACRES
FENCE AREA	121.02 ACRES	88.49 ACRES	35.79 ACRES	369.07 ACRES

PROJECT DETAILS				
	PARCEL I	PARCEL J	PARCEL K	PARCEL L
SYSTEM SIZE DC	48,643.40 kW	20,162.78 kW	49,788.38 kW	5,610.39 kW
MODULE QTY	117213	48585	119972	13519
PARCEL AREA	318.99 ACRES	157.97 ACRES	305.41 ACRES	55.35 ACRES
FENCE AREA	299.99 ACRES	135.67 ACRES	294.64 ACRES	43.34 ACRES

PROJECT DETAILS				
	PARCEL M	PARCEL N	PARCEL O	PARCEL P
SYSTEM SIZE DC	24,797.91 kW	27,232.30 kW	24,739.81 kW	53,433.74 kW
MODULE QTY	59754	65620	59614	128756
PARCEL AREA	170.08 ACRES	170.70 ACRES	171.08 ACRES	401.22 ACRES
FENCE AREA	153.00 ACRES	161.72 ACRES	157.90 ACRES	343.44 ACRES

PROJECT DETAILS				
	PARCEL Q	PARCEL R	PARCEL S	PARCEL T
SYSTEM SIZE DC	14,966.15 kW	48,677.01 kW	88,294.99 kW	60,099.47 kW
MODULE QTY	36063	117294	212759	144818
PARCEL AREA	93.19 ACRES	333.75 ACRES	632.77 ACRES	433.57 ACRES
FENCE AREA	90.40 ACRES	307.25 ACRES	556.53 ACRES	385.65 ACRES

PROJECT DETAILS			
	PARCEL U	PARCEL V	PARCEL W
SYSTEM SIZE DC	53,135.77 kW	16,096.61 kW	-
MODULE QTY	128038	38787	-
PARCEL AREA	366.30 ACRES	118.61 ACRES	104.57 ACRES
FENCE AREA	332.25 ACRES	103.59 ACRES	-

Schedule 5 - EMP 119 Sub 0



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