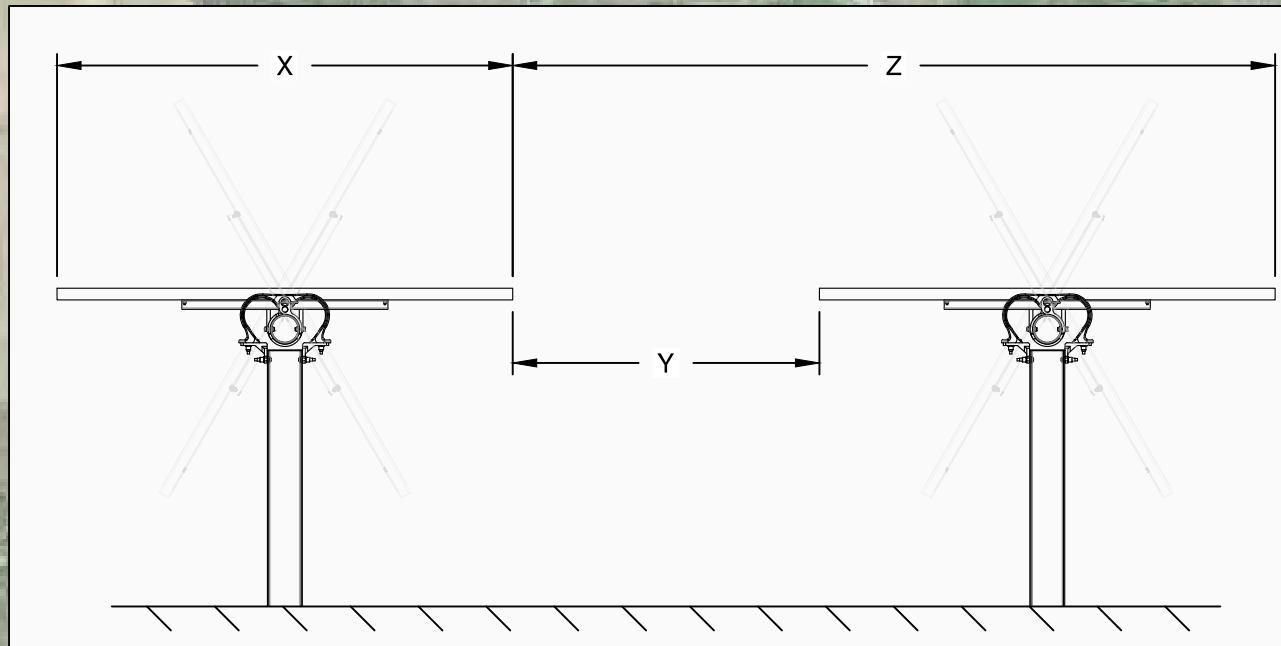


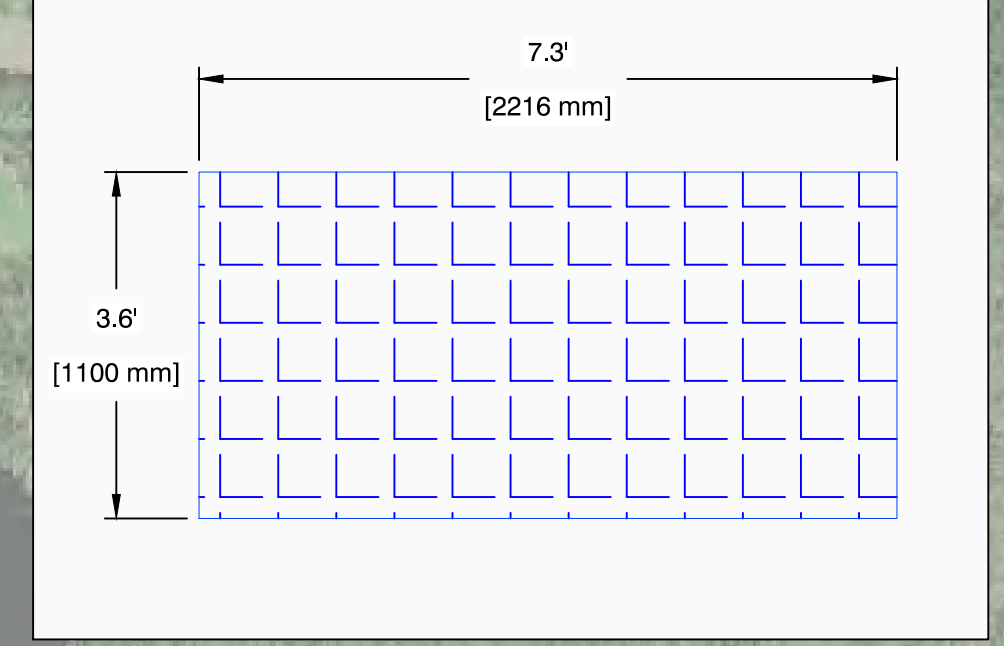
2 TYP. TRACKER ROWS
PV-100 Scale: NTS



4 GCR DETAILS
PV-100 Scale: NTS

PROJECT DETAILS	
SYSTEM SIZE AC @ POI	80,000.00 kW
INVERTER RATING	3,200 kW
INVERTER QTY	27
RACKING TYPE	SINGLE AXIS TRACKER (SAT)
TILT	0°
AZIMUTH	180°
AVAILABLE PROPERTY AREA	1,744.01 Ac
FENCED AREA	1,153.35 Ac

LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	POWER STATION EQUIPMENT PAD
	PROPERTY LINE
	SETBACK LINE
	SECURITY FENCE
	20' GRAVEL ACCESS ROAD
	EXISTING OVERHEAD LINE
	LIMIT OF DISTURBANCE (LOD)
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE
	PARCEL REDUCED AREA



3 380W MODULE DIMENSION
PV-100 Scale: NTS

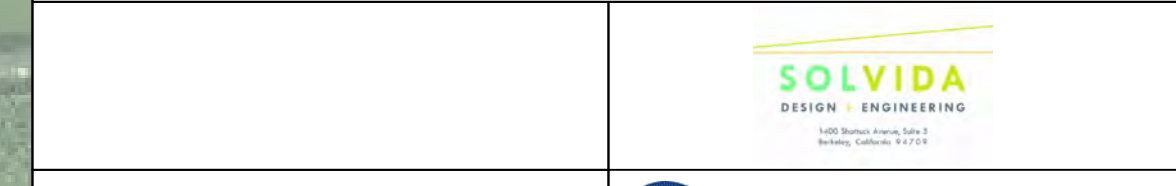
- NOTES:
- EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.
 - FINAL DETERMINATION OF JURISDICTIONAL WETLANDS SUBJECT TO US ARMY COE APPROVAL. PANEL PLACEMENT AND CONSTRUCTION WILL COMPLY WITH ALL FEDERAL AND STATE WATER QUALITY / WETLANDS PERMITTING REQUIREMENTS.
 - FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.

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NOT FOR CONSTRUCTION

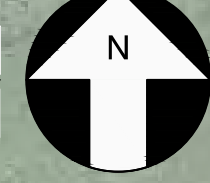
REV	DESCRIPTION	BY	CHK	DATE
0	DRAFT	AA	DG	05/10/2022

PERMITTING LAYOUT **PV-100**

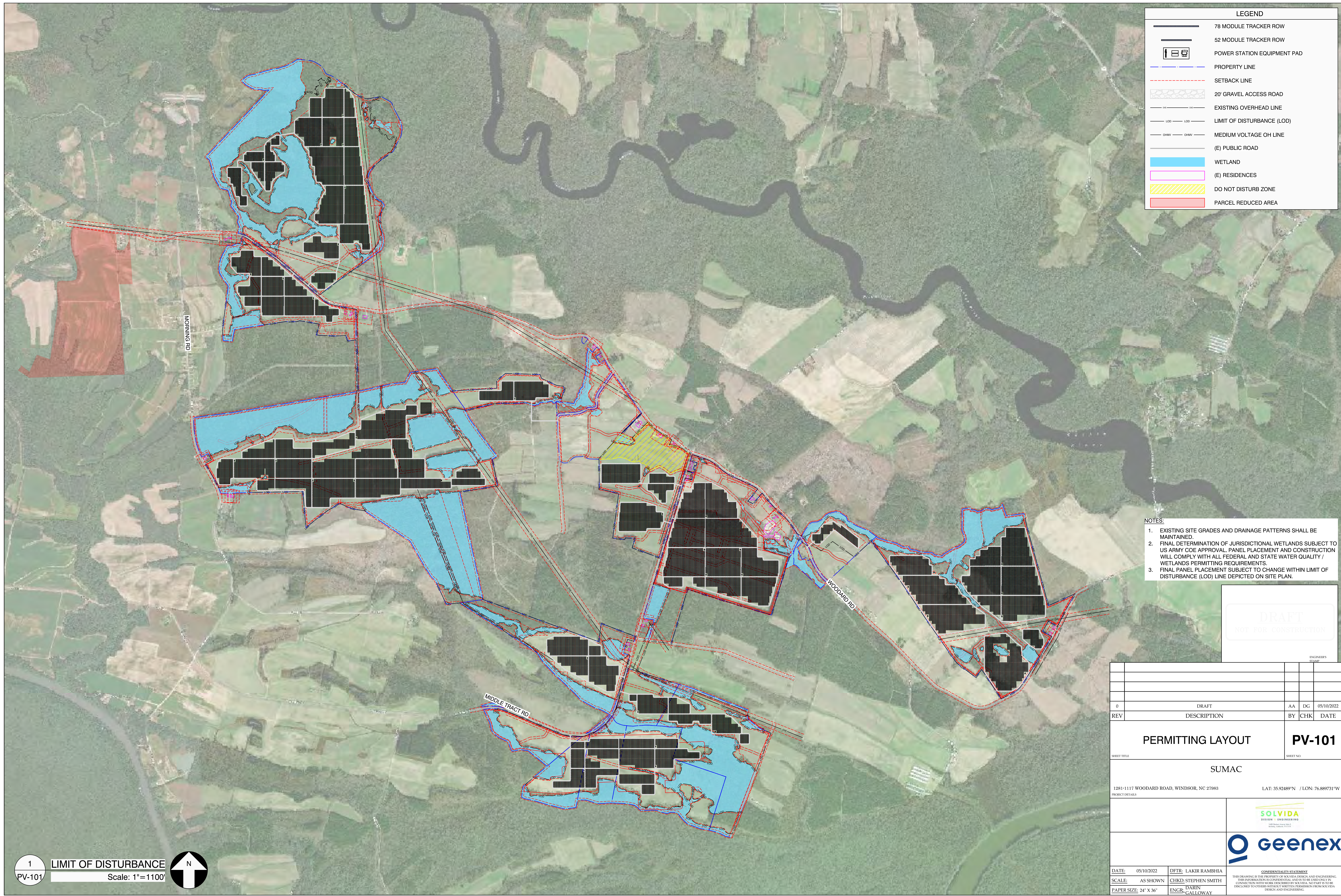
SUMAC
1281-1117 WOODARD ROAD, WINDSOR, NC 27983 LAT: 35.92489°N / LON: 76.889731°W



1 ARRAY PLAN
PV-100 Scale: 1" = 1100'



DATE: 05/10/2022	DATE: LAKIR RAMBHA	CONFIDENTIALITY STATEMENT THIS DRAWING IS THE PROPERTY OF SOLVIDA DESIGN AND ENGINEERING. THIS INFORMATION IS CONFIDENTIAL AND IS TO BE USED ONLY IN CONNECTION WITH WORK ORDER NUMBER 22-001. NO PART IS TO BE DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION FROM SOLVIDA DESIGN AND ENGINEERING.
SCALE: AS SHOWN	CHKD: STEPHEN SMITH	
PAPER SIZE: 24" X 36"	ENGR: DARIN GALLOWAY	



LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	POWER STATION EQUIPMENT PAD
	PROPERTY LINE
	SETBACK LINE
	20' GRAVEL ACCESS ROAD
	EXISTING OVERHEAD LINE
	LIMIT OF DISTURBANCE (LOD)
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	(E) RESIDENCES
	DO NOT DISTURB ZONE
	PARCEL REDUCED AREA

- NOTES:
- EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.
 - FINAL DETERMINATION OF JURISDICTIONAL WETLANDS SUBJECT TO US ARMY COE APPROVAL. PANEL PLACEMENT AND CONSTRUCTION WILL COMPLY WITH ALL FEDERAL AND STATE WATER QUALITY / WETLANDS PERMITTING REQUIREMENTS.
 - FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.

DRAFT
NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	DATE
0	DRAFT	AA	DG	05/10/2022

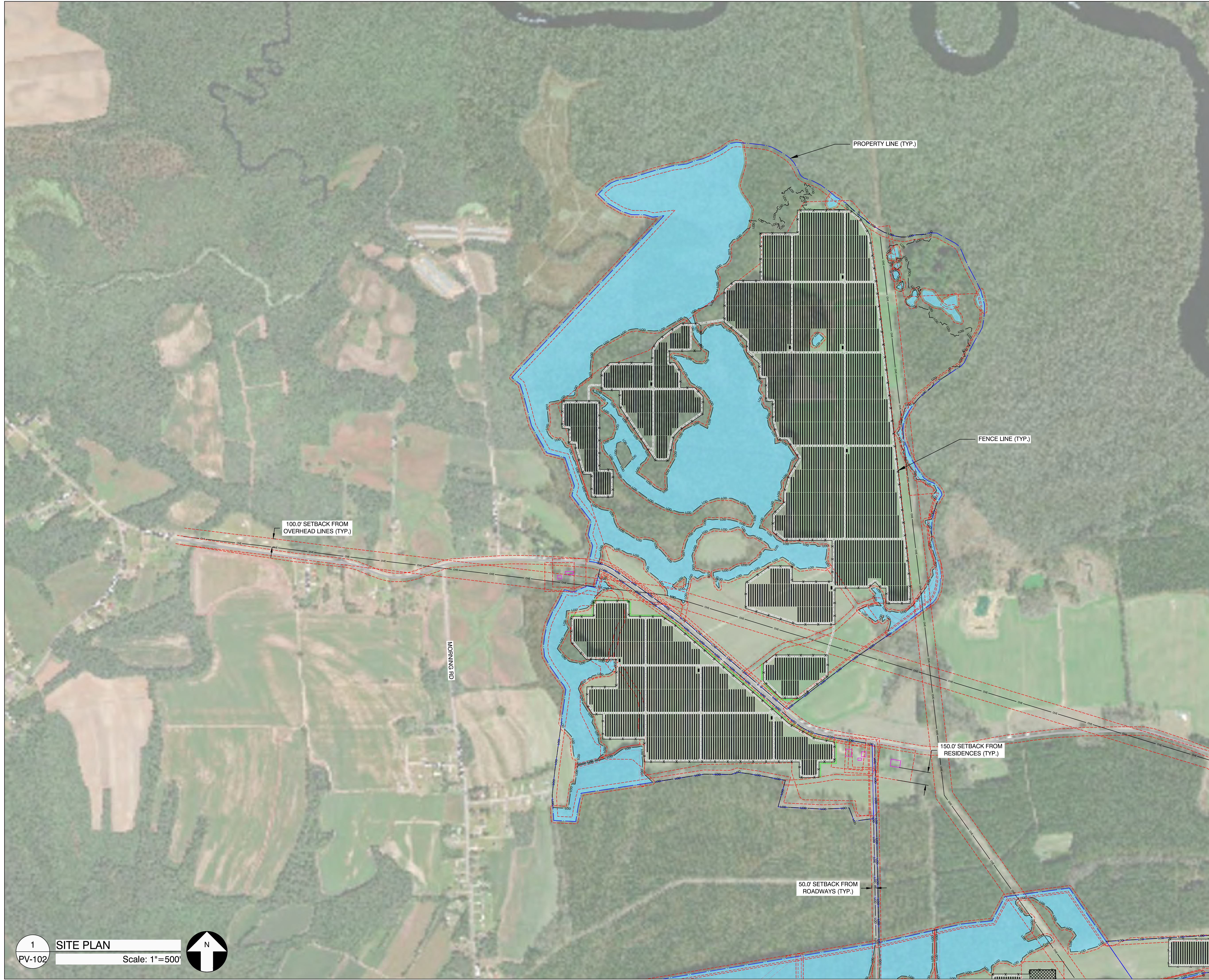
PERMITTING LAYOUT **PV-101**

SUMAC
1281-1117 WOODARD ROAD, WINDSOR, NC 27983 LAT: 35.92489°N / LON: 76.889731°W

DATE: 05/10/2022 SCALE: AS SHOWN PAPER SIZE: 24" X 36"	DTR: LAKIR RAMBHIA CHKD: STEPHEN SMITH ENGR: DARIN GALLOWAY	

1 LIMIT OF DISTURBANCE
PV-101 Scale: 1"=1100'

LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	POWER STATION EQUIPMENT PAD
	PROPERTY LINE
	SETBACK LINE
	SECURITY FENCE
	20' GRAVEL ACCESS ROAD
	EXISTING OVERHEAD LINE
	LIMIT OF DISTURBANCE (LOD)
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES



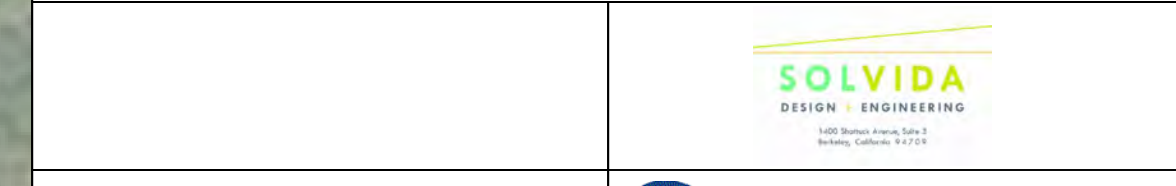
- NOTES:
- EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.
 - FINAL DETERMINATION OF JURISDICTIONAL WETLANDS SUBJECT TO US ARMY COE APPROVAL. PANEL PLACEMENT AND CONSTRUCTION WILL COMPLY WITH ALL FEDERAL AND STATE WATER QUALITY / WETLANDS PERMITTING REQUIREMENTS.
 - FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.

DRAFT
NOT FOR CONSTRUCTION

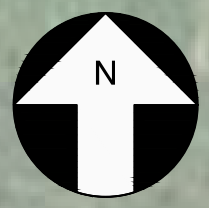
REV	DESCRIPTION	BY	CHK	DATE
0	DRAFT	AA	DG	05/10/2022

SITE PLAN DEATILS **PV-102**

SUMAC
1281-1117 WOODARD ROAD, WINDSOR, NC 27983 LAT: 35.92489°N / LON: 76.889731°W



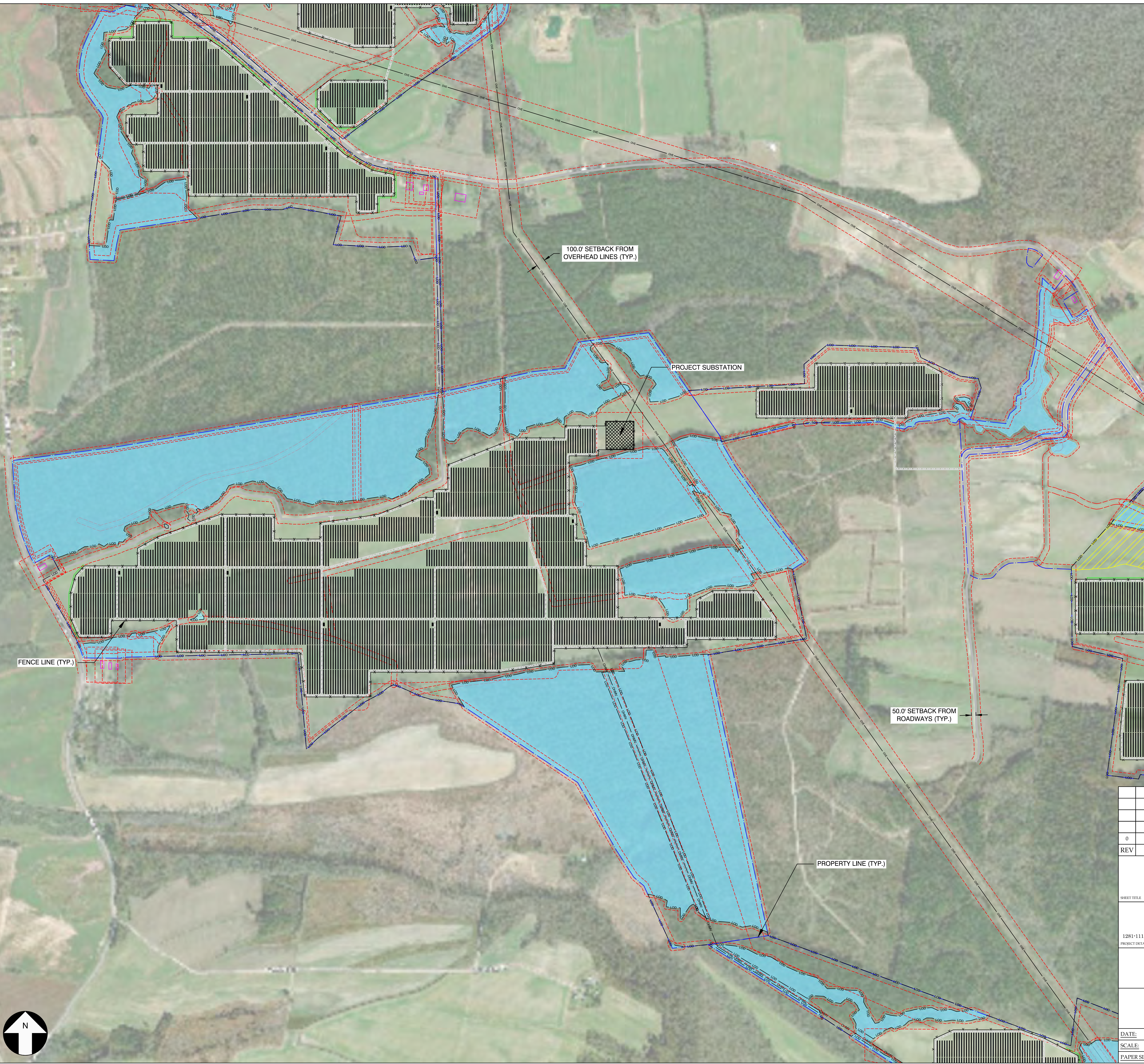
1 SITE PLAN
PV-102 Scale: 1"=500'



DATE: 05/10/2022	DATE: 05/10/2022	DATE: 05/10/2022	DATE: 05/10/2022
SCALE: AS SHOWN	CHKD: STEPHEN SMITH	ENGR: DARIN GALLOWAY	ENGR: LAKIR RAMBHIA

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LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	POWER STATION EQUIPMENT PAD
	PROPERTY LINE
	SETBACK LINE
	SECURITY FENCE
	20' GRAVEL ACCESS ROAD
	EXISTING OVERHEAD LINE
	LIMIT OF DISTURBANCE (LOD)
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE



- NOTES:
1. EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.
 2. FINAL DETERMINATION OF JURISDICTIONAL WETLANDS SUBJECT TO US ARMY COE APPROVAL. PANEL PLACEMENT AND CONSTRUCTION WILL COMPLY WITH ALL FEDERAL AND STATE WATER QUALITY / WETLANDS PERMITTING REQUIREMENTS.
 3. FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.

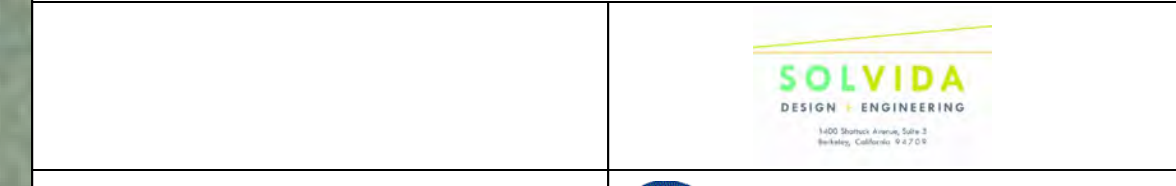
DRAFT
NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	DATE
0	DRAFT	AA	DG	05/10/2022

SITE PLAN DEATILS **PV-103**

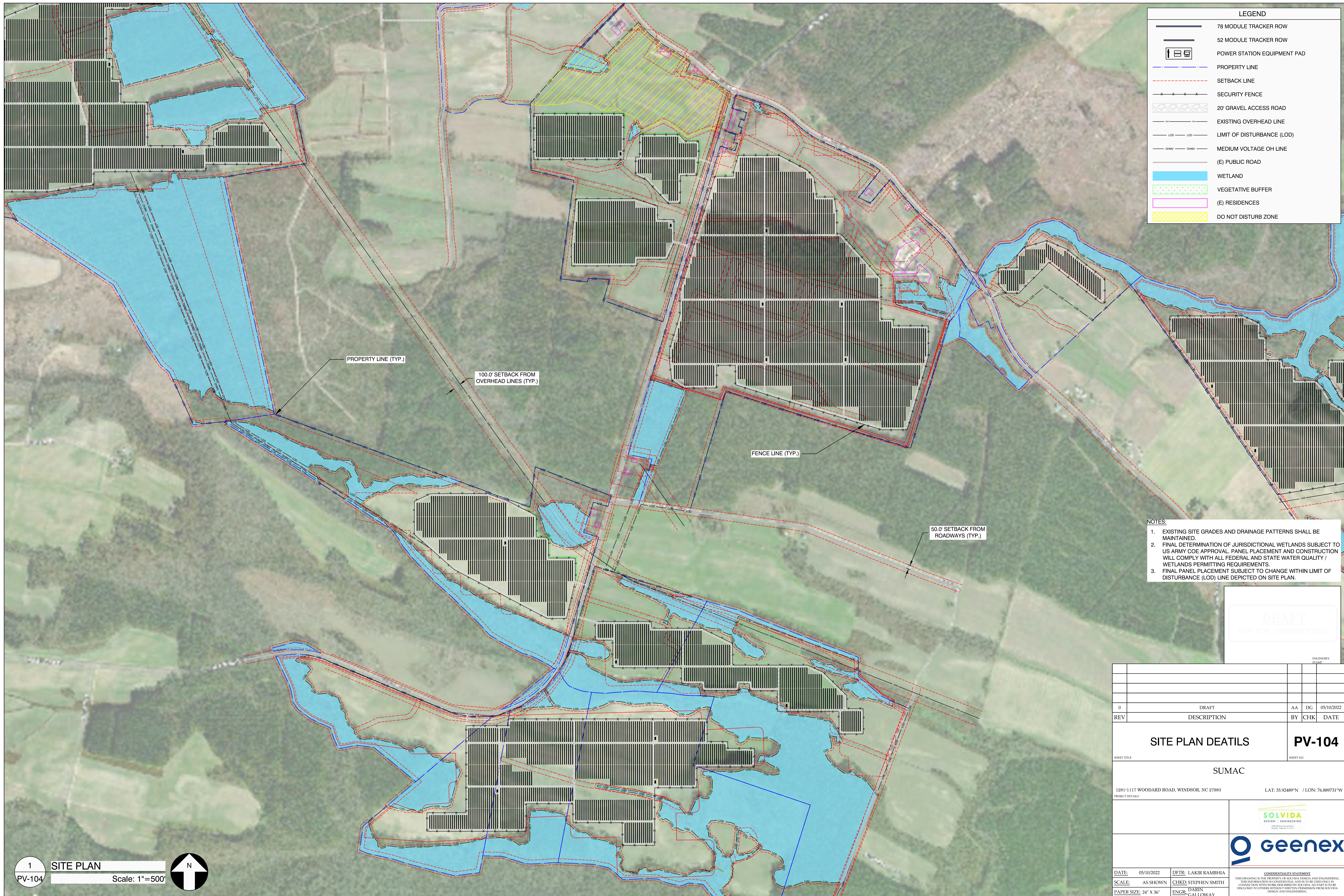
SHEET TITLE: **SUMAC**

1281-1117 WOODARD ROAD, WINDSOR, NC 27983 LAT: 35.92489°N / LON: 76.889731°W



DATE: 05/10/2022	DTR: LAKIR RAMBHIA	<small>CONFIDENTIALITY STATEMENT THIS DRAWING IS THE PROPERTY OF SOLVIDA DESIGN AND ENGINEERING. THE INFORMATION IS CONFIDENTIAL AND IS TO BE USED ONLY IN CONNECTION WITH WORK ORDER ISSUED BY SOLVIDA. NO PART IS TO BE DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION FROM SOLVIDA DESIGN AND ENGINEERING.</small>
SCALE: AS SHOWN	CHKD: STEPHEN SMITH	
PAPER SIZE: 24" X 36"	ENGR: DARIN GALLOWAY	

1 SITE PLAN
PV-103 Scale: 1"=500'



LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	POWER STATION EQUIPMENT PAD
	PROPERTY LINE
	SETBACK LINE
	SECURITY FENCE
	20' GRAVEL ACCESS ROAD
	EXISTING OVERHEAD LINE
	LIMIT OF DISTURBANCE (LOD)
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE

- NOTES:
- EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.
 - FINAL DETERMINATION OF JURISDICTIONAL WETLANDS SUBJECT TO US ARMY COE APPROVAL. PANEL PLACEMENT AND CONSTRUCTION WILL COMPLY WITH ALL FEDERAL AND STATE WATER QUALITY / WETLANDS PERMITTING REQUIREMENTS.
 - FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.

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NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	DATE
0	DRAFT	AA	DG	05/10/2022

SITE PLAN DEATILS **PV-104**

SUMAC

1281-1117 WOODARD ROAD, WINDSOR, NC 27983 LAT: 35.92489°N / LON: 76.889731°W

1000 WOODARD ROAD, WINDSOR, NC 27983

1

SITE PLAN

Scale: 1"=500'

DATE: 05/10/2022	DTR: LAKIR RAMBHIA	CONFIDENTIALITY STATEMENT THIS DRAWING IS THE PROPERTY OF SOLVIDA DESIGN AND ENGINEERING. THE INFORMATION IS CONFIDENTIAL AND IS TO BE USED ONLY IN CONNECTION WITH THE WORK ORDER ISSUED BY SOLVIDA. NO PART IS TO BE DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION FROM SOLVIDA DESIGN AND ENGINEERING.
SCALE: AS SHOWN	CHKD: STEPHEN SMITH	
PAPER SIZE: 24" X 36"	ENGR: DARIN GALLOWAY	

LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	POWER STATION EQUIPMENT PAD
	PROPERTY LINE
	SETBACK LINE
	SECURITY FENCE
	20' GRAVEL ACCESS ROAD
	EXISTING OVERHEAD LINE
	LIMIT OF DISTURBANCE (LOD)
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE



- NOTES:
- EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.
 - FINAL DETERMINATION OF JURISDICTIONAL WETLANDS SUBJECT TO US ARMY COE APPROVAL. PANEL PLACEMENT AND CONSTRUCTION WILL COMPLY WITH ALL FEDERAL AND STATE WATER QUALITY / WETLANDS PERMITTING REQUIREMENTS.
 - FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.

DRAFT
NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	DATE
0	DRAFT	AA	DG	05/10/2022

SITE PLAN DEATILS **PV-105**

SUMAC
1281-1117 WOODARD ROAD, WINDSOR, NC 27983 LAT: 35.92489°N / LON: 76.889731°W

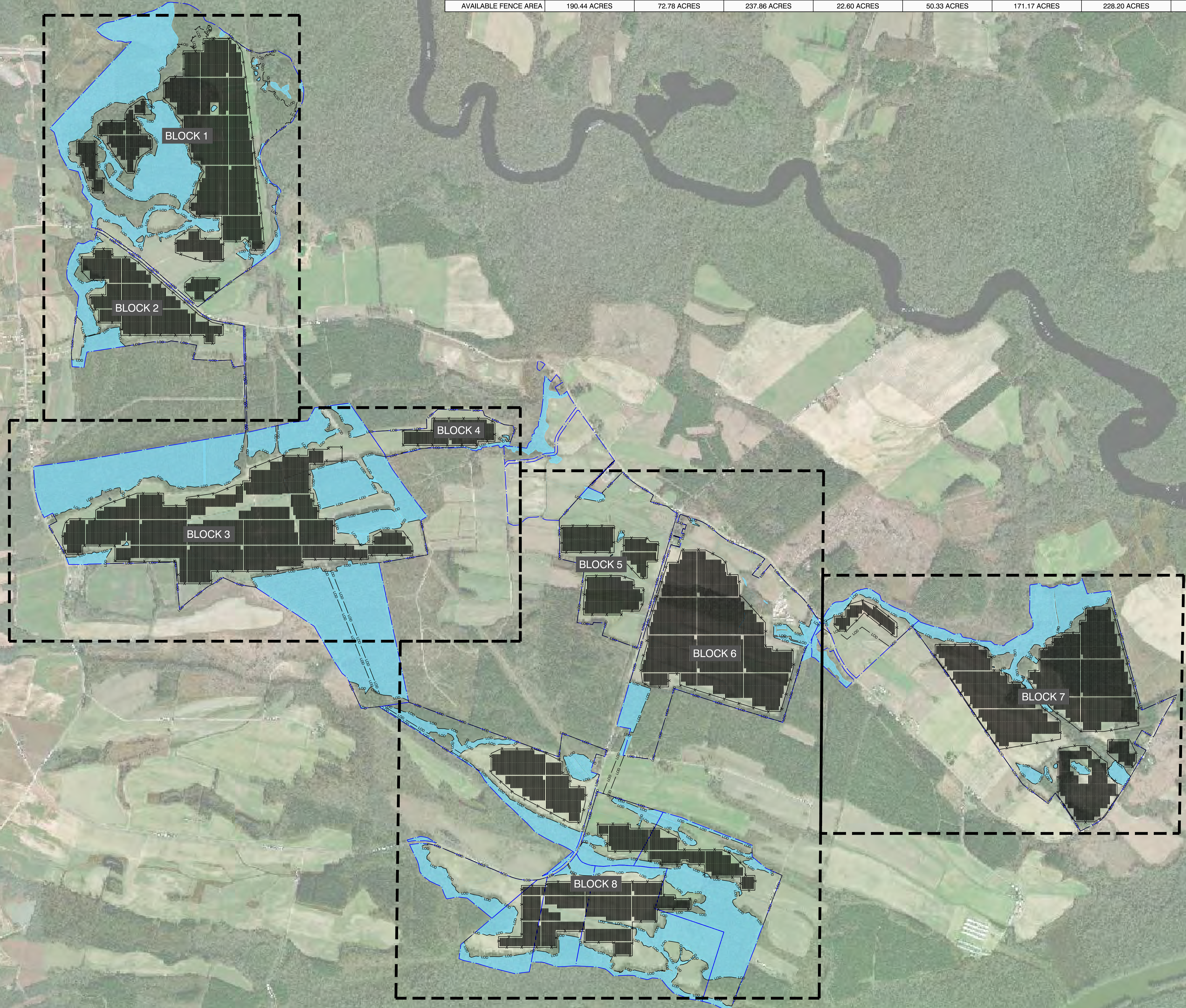
DATE: 05/10/2022	DATE: 05/10/2022	DATE: 05/10/2022	DATE: 05/10/2022
SCALE: AS SHOWN	SCALE: AS SHOWN	SCALE: AS SHOWN	SCALE: AS SHOWN
PAPER SIZE: 24" X 36"	PAPER SIZE: 24" X 36"	PAPER SIZE: 24" X 36"	PAPER SIZE: 24" X 36"

1 SITE PLAN
PV-104 Scale: 1"=500'

CONFIDENTIALITY STATEMENT
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PROJECT DETAILS								
	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6	BLOCK 7	BLOCK 8
SYSTEM SIZE DC	28,780.44 kW	10,986.56 kW	34,580.00 kW	3,458.00 kW	7,657.00 kW	27,466.40 kW	33,364.76 kW	25,628.72 kW
MODULE QTY	75,738	28,912	91,000	9,100	20,150	72,280	87,802	67,444
TOTAL # OF STRINGS	2,913	1,112	3,500	350	775	2,780	3,377	2,594
AVAILABLE FENCE AREA	190.44 ACRES	72.78 ACRES	237.86 ACRES	22.60 ACRES	50.33 ACRES	171.17 ACRES	228.20 ACRES	179.97 ACRES

LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	POWER STATION EQUIPMENT PAD
	PROPERTY LINE
	SECURITY FENCE
	20' GRAVEL ACCESS ROAD
	LIMIT OF DISTURBANCE (LOD)
	WETLAND



- NOTES:
- EXISTING SITE GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED.
 - FINAL DETERMINATION OF JURISDICTIONAL WETLANDS SUBJECT TO US ARMY COE APPROVAL. PANEL PLACEMENT AND CONSTRUCTION WILL COMPLY WITH ALL FEDERAL AND STATE WATER QUALITY / WETLANDS PERMITTING REQUIREMENTS.
 - FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.

DRAFT
NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	CHK	DATE
0	DRAFT	AA	DG	05/10/2022

SITE PLAN	PV-106
SUMAC	
1281-1117 WOODARD ROAD, WINDSOR, NC 27983	
LAT: 35.92489°N / LON: 76.889731°W	

SOLVIDA
DESIGN ENGINEERING

geenex

DATE: 05/10/2022	DTR: LAKIR RAMBHA	CONFIDENTIALITY STATEMENT THIS DRAWING IS THE PROPERTY OF SOLVIDA DESIGN AND ENGINEERING. THE INFORMATION IS CONFIDENTIAL AND IS TO BE USED ONLY IN CONNECTION WITH WORK ORDERED BY SOLVIDA. NO PART IS TO BE DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION FROM SOLVIDA DESIGN AND ENGINEERING.
SCALE: AS SHOWN	CHKD: STEPHEN SMITH	
PAPER SIZE: 24" X 36"	ENGR: DARIN GALLOWAY	