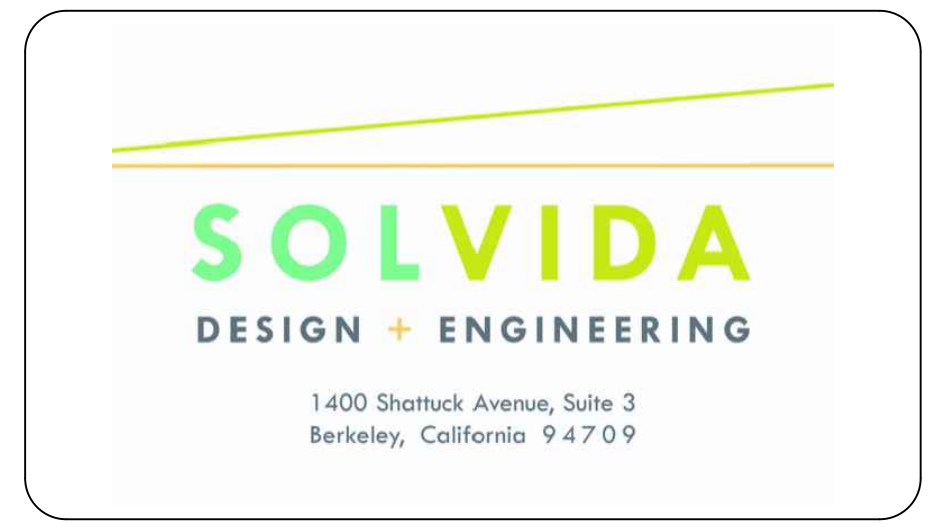


LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 40) (1) INVERTER, (1) MV TRANSFORMER, (1) ENERGY STORAGE
	FENCE
	PROPERTY LINE
	EASEMENT
	LIMIT OF DISTURBANCE (LOD)
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE (E) PUBLIC ROAD
	POTENTIAL WETLANDS
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE

PROJECT DETAILS	
SUMAC SOLAR	
SYSTEM SIZE AC @ POI	120,000.00 kW*
INVERTER RATING	3,200 kW
TOTAL INVERTER QTY	40
RACKING	HSAT
TILT ANGLE	0°
AZIMUTH	180°
INTER-ROW SPACING	19.83'
PITCH	26.44'
GCR	25%
AVAILABLE PROPERTY AREA	3,420.32 ACRES
FENCED AREA	1,259.87 ACRES

\* OUTPUT CONTROLLED BY PLANT CONTROLLER

- 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.



**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	05/05/20

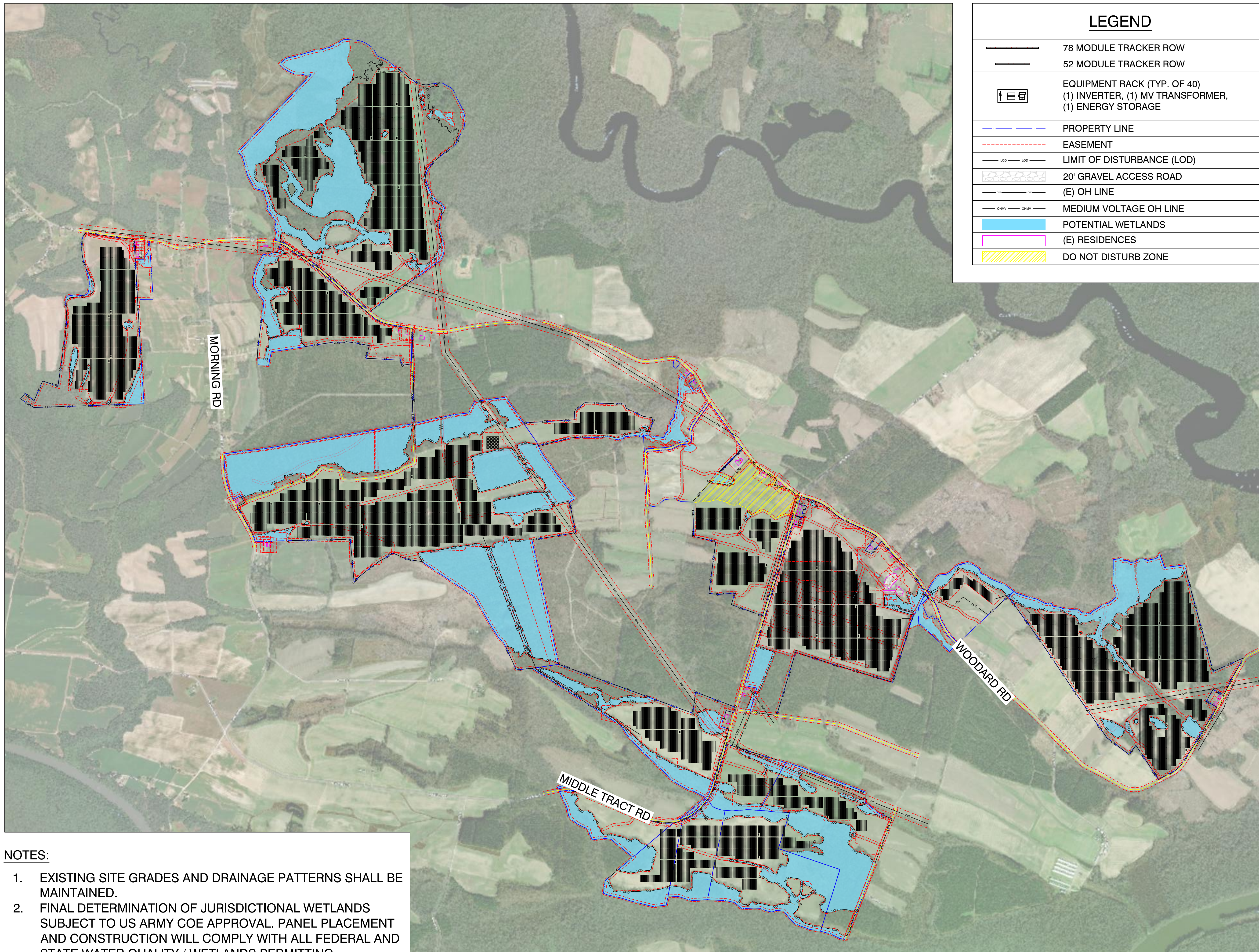
SHEET TITLE:  
**PERMITTING LAYOUT**

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

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

**PV-100**





LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 40) (1) INVERTER, (1) MV TRANSFORMER, (1) ENERGY STORAGE
	PROPERTY LINE
	EASEMENT
	LIMIT OF DISTURBANCE (LOD)
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	POTENTIAL WETLANDS
	(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.

1 LIMIT OF DISTURBANCE  
PV-101

Scale: 1"=1100'

1400 Shattuck Avenue, Suite 3  
Berkeley, California 94709

**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	05/05/20

SHEET TITLE:  
**PERMITTING LAYOUT**

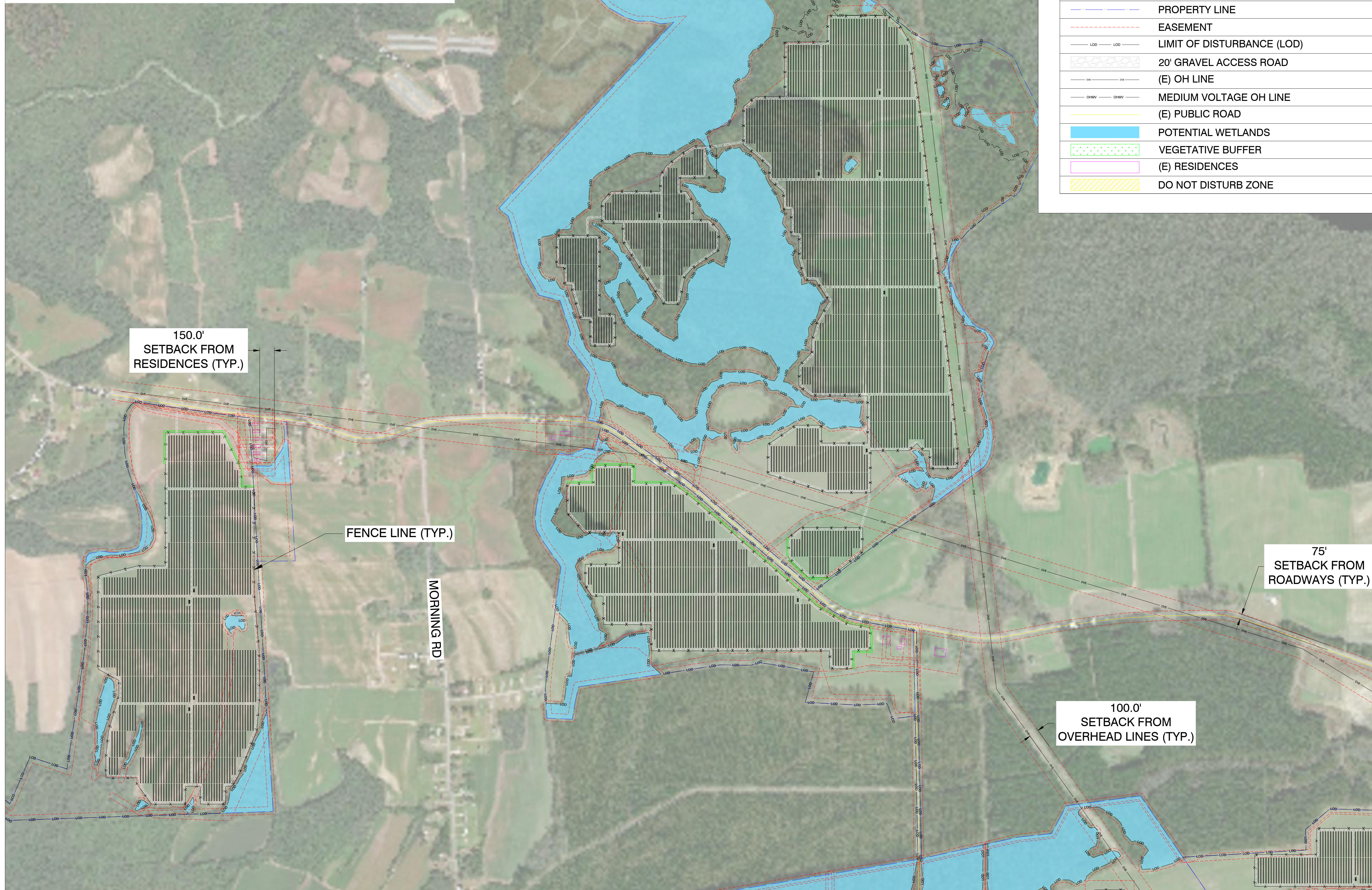
PROJ. MGR.	PROJ. ENGR. SDE	DATE: 05/05/20
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

**PV-101**



**NOTES:**

1. 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.
2. FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.



LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 40) (1) INVERTER, (1) MV TRANSFORMER, (1) ENERGY STORAGE
	FENCE
	PROPERTY LINE
	EASEMENT
	LIMIT OF DISTURBANCE (LOD)
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	POTENTIAL WETLANDS
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE

**SOLVIDA**  
DESIGN + ENGINEERING  
1400 Shattuck Avenue, Suite 3  
Berkeley, California 94709

**geenex**

**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	05/05/20

SHEET TITLE:  
**SITE PLAN DETAILS**

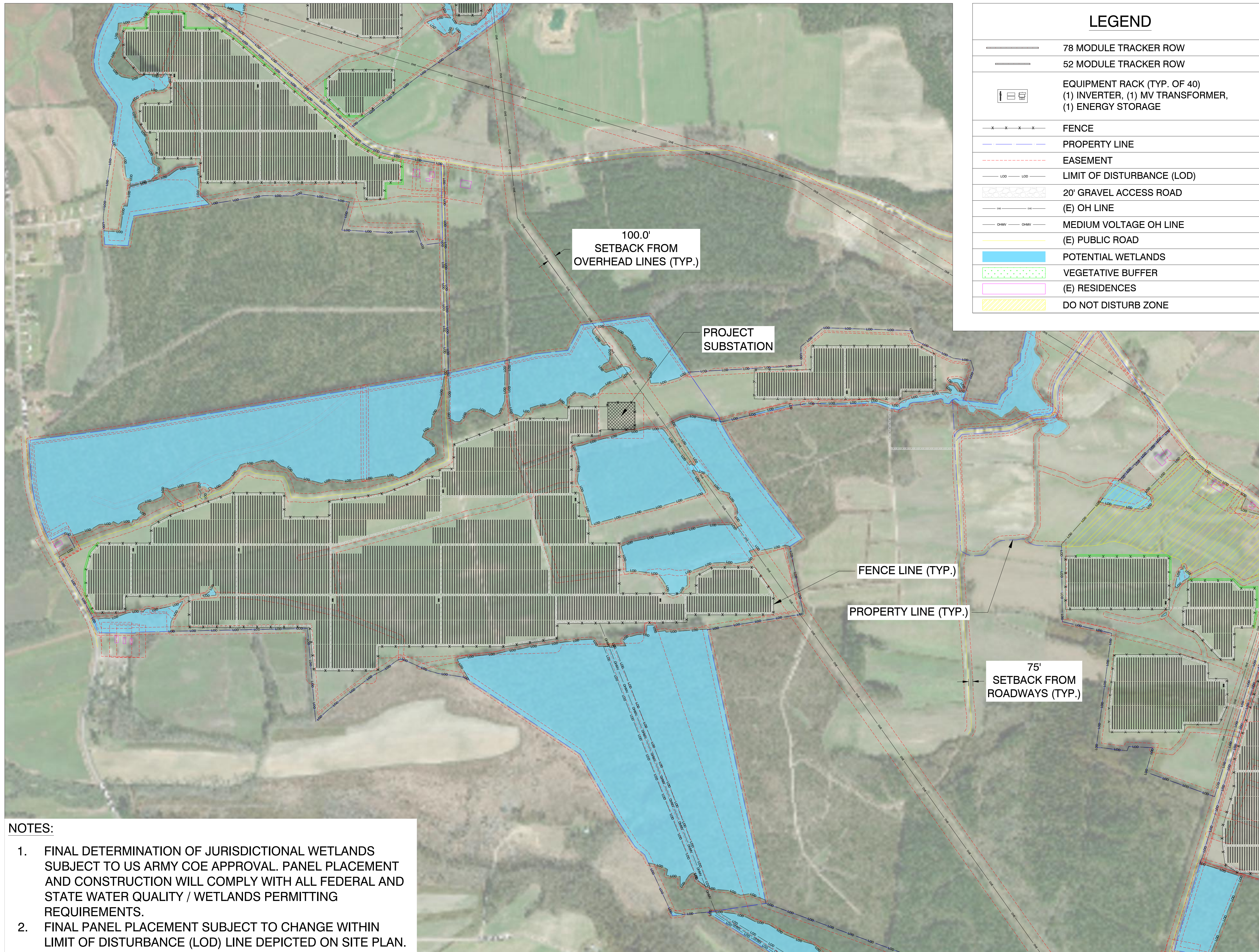
PROJ. MGR.	PROJ. ENGR.	DATE:
	SDE	05/05/20
DRAWN BY:	CHECKED BY:	SCALE:
LR		AS SHOWN
DRAWING NO.		

1 SITE PLAN  
PV-102

Scale: 1"=500'

**PV-102**

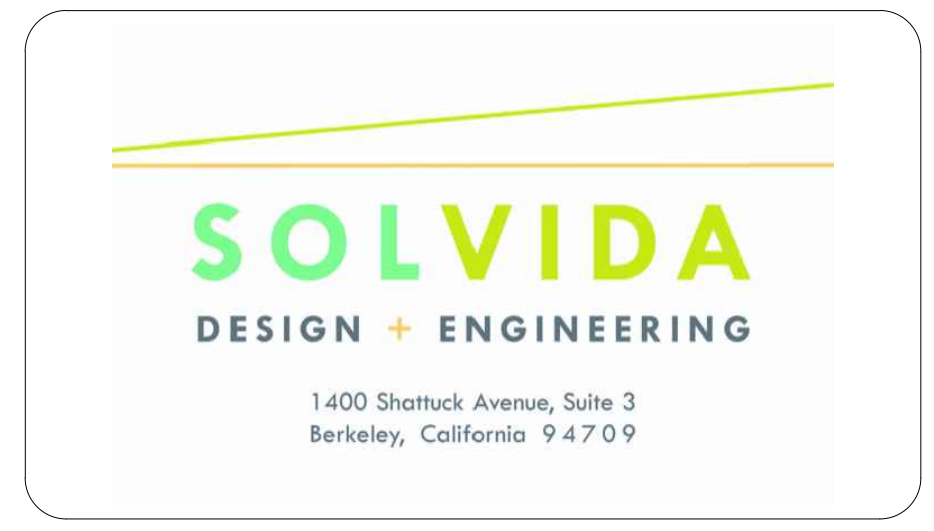




LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 40) (1) INVERTER, (1) MV TRANSFORMER, (1) ENERGY STORAGE
	FENCE
	PROPERTY LINE
	EASEMENT
	LIMIT OF DISTURBANCE (LOD)
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	POTENTIAL WETLANDS
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE

- NOTES:**
- 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.

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



**SUMAC**

1281-1117 WOODARD RD  
 WINDSOR, NC 27983

35.924892°N  
 76.889731°W

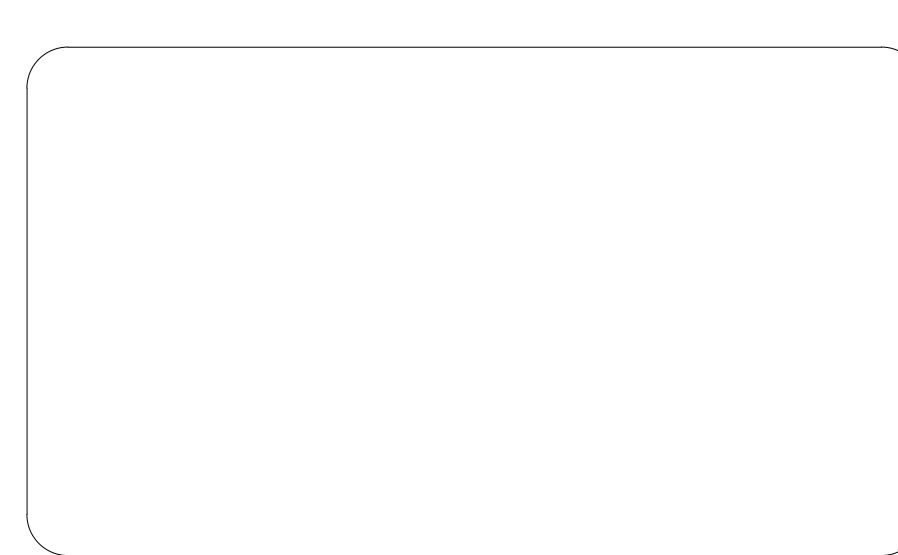
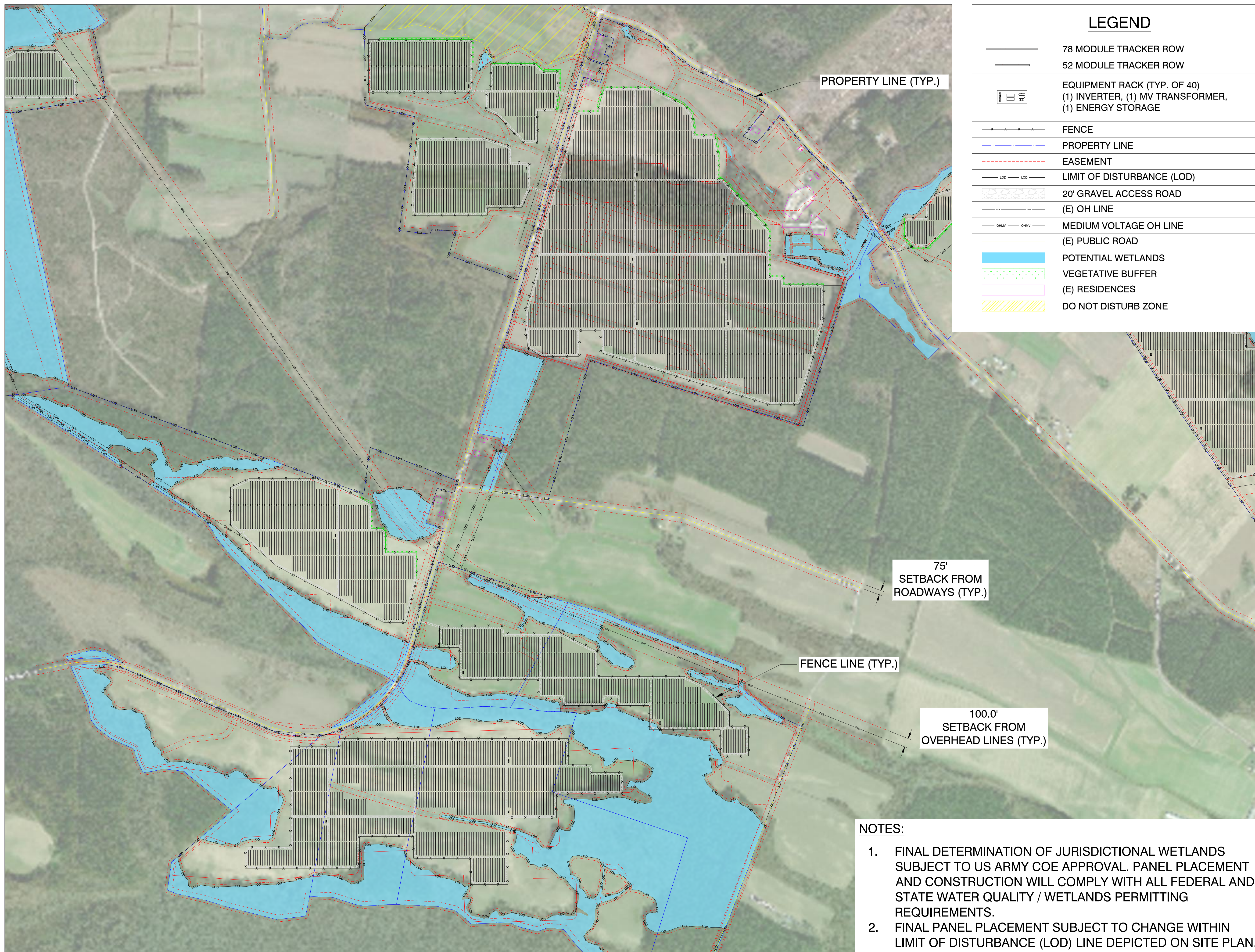
REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	05/05/20

SHEET TITLE:  
**SITE PLAN DETAILS**

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 05/05/20
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

**PV-103**





**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	05/05/20

SHEET TITLE:  
**SITE PLAN DETAILS**

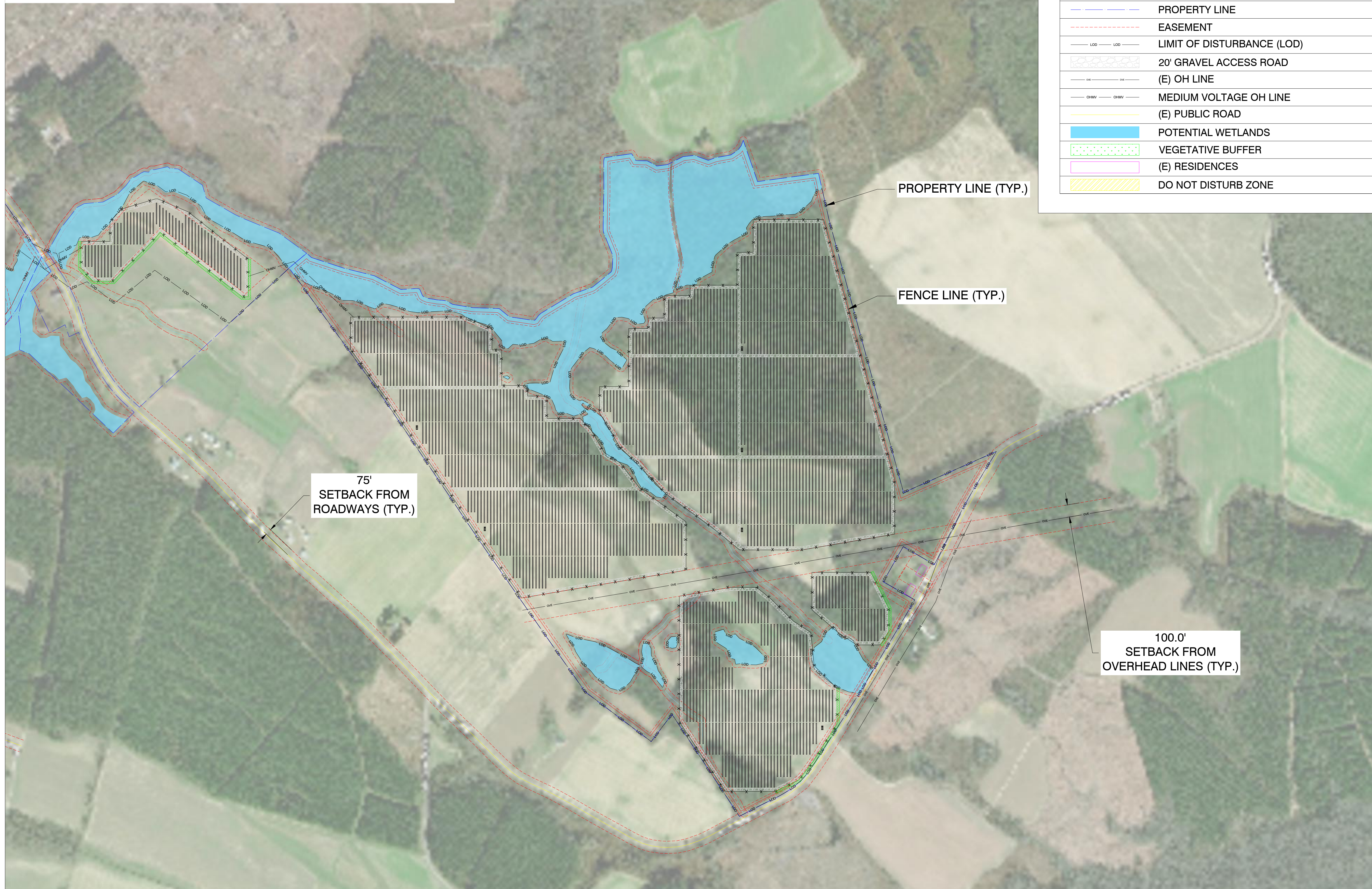
PROJ. MGR.	PROJ. ENGR. SDE	DATE: 05/05/20
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

**PV-104**



**NOTES:**

1. 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.
2. FINAL PANEL PLACEMENT SUBJECT TO CHANGE WITHIN LIMIT OF DISTURBANCE (LOD) LINE DEPICTED ON SITE PLAN.



LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 40) (1) INVERTER, (1) MV TRANSFORMER, (1) ENERGY STORAGE
	FENCE
	PROPERTY LINE
	EASEMENT
	LIMIT OF DISTURBANCE (LOD)
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	POTENTIAL WETLANDS
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE

**SOLVIDA**  
DESIGN + ENGINEERING  
1400 Shattuck Avenue, Suite 3  
Berkeley, California 94709

**geenex**

**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983  
35.924892°N  
76.889731°W

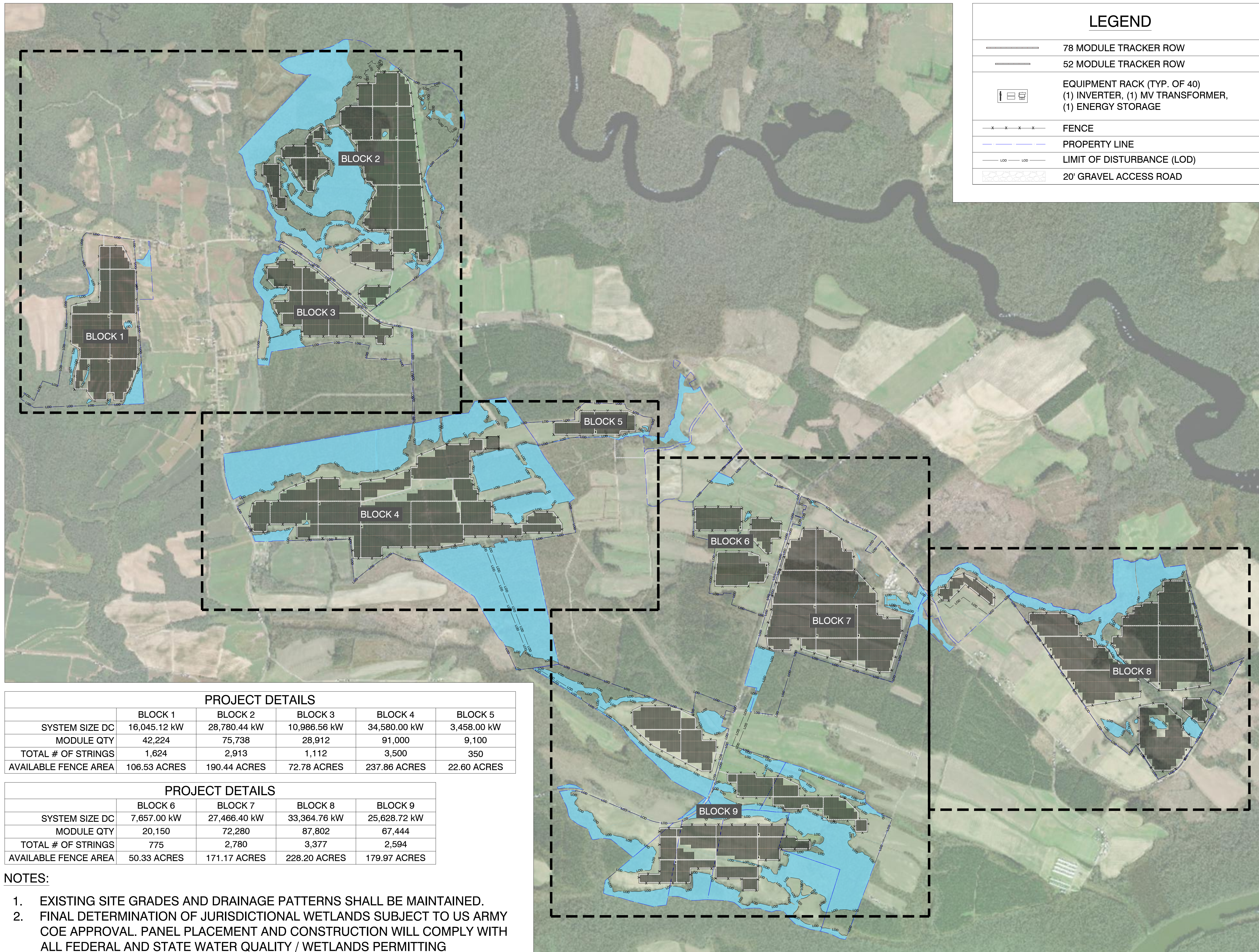
REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	05/05/20

SHEET TITLE:  
**SITE PLAN DETAILS**

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 05/05/20
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

**PV-105**





LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 40) (1) INVERTER, (1) MV TRANSFORMER, (1) ENERGY STORAGE
	FENCE
	PROPERTY LINE
	LIMIT OF DISTURBANCE (LOD)
	20' GRAVEL ACCESS ROAD

**SOLVIDA**  
DESIGN + ENGINEERING  
1400 Shattuck Avenue, Suite 3  
Berkeley, California 94709

**geenex**

**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	05/05/20

SHEET TITLE:

**SITE PLAN**

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 05/05/20
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

**PV-106**

	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5
SYSTEM SIZE DC	16,045.12 kW	28,780.44 kW	10,986.56 kW	34,580.00 kW	3,458.00 kW
MODULE QTY	42,224	75,738	28,912	91,000	9,100
TOTAL # OF STRINGS	1,624	2,913	1,112	3,500	350
AVAILABLE FENCE AREA	106.53 ACRES	190.44 ACRES	72.78 ACRES	237.86 ACRES	22.60 ACRES

	BLOCK 6	BLOCK 7	BLOCK 8	BLOCK 9
SYSTEM SIZE DC	7,657.00 kW	27,466.40 kW	33,364.76 kW	25,628.72 kW
MODULE QTY	20,150	72,280	87,802	67,444
TOTAL # OF STRINGS	775	2,780	3,377	2,594
AVAILABLE FENCE AREA	50.33 ACRES	171.17 ACRES	228.20 ACRES	179.97 ACRES

- 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.

1 ARRAY PLAN  
PV-106

Scale: 1"=1100'