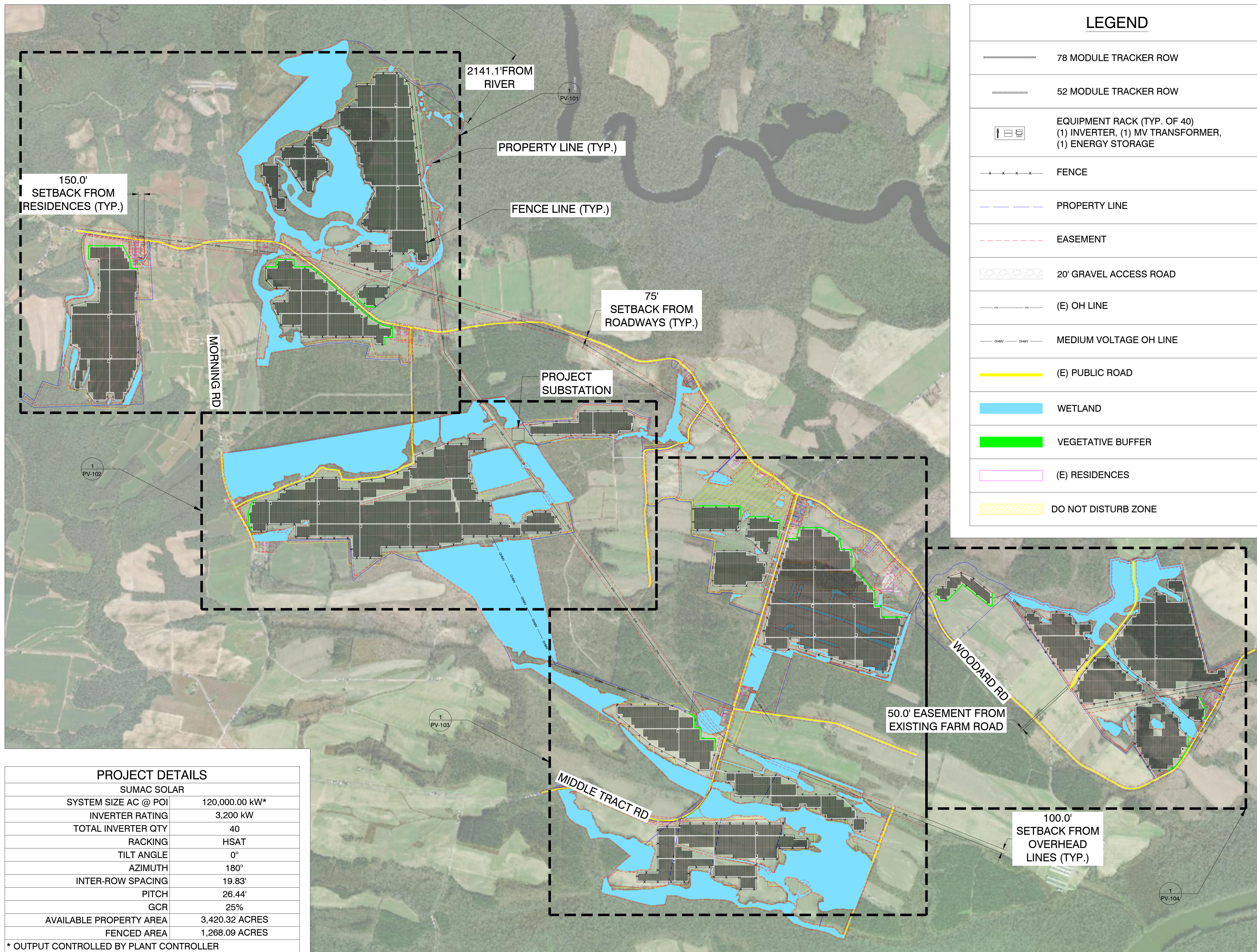


Docket No. EMP-110, Sub 0

Schedule 6

Site Plan



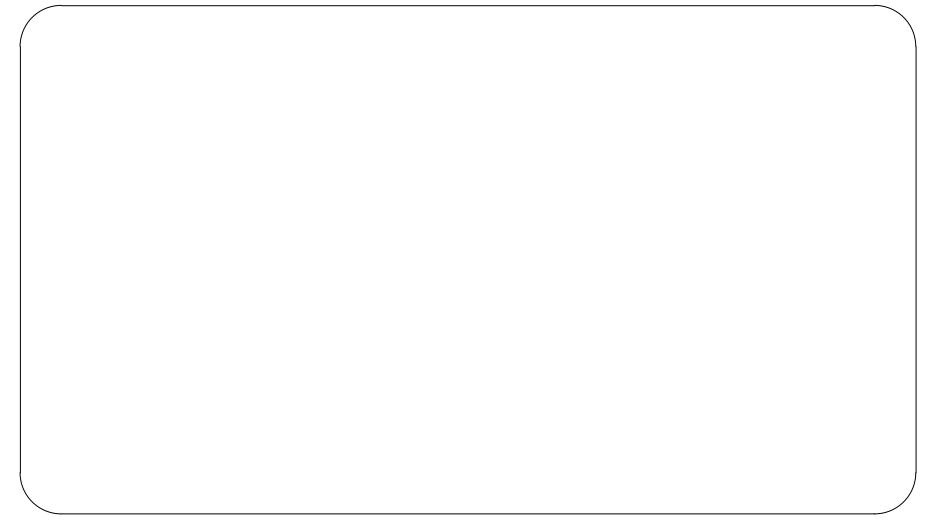
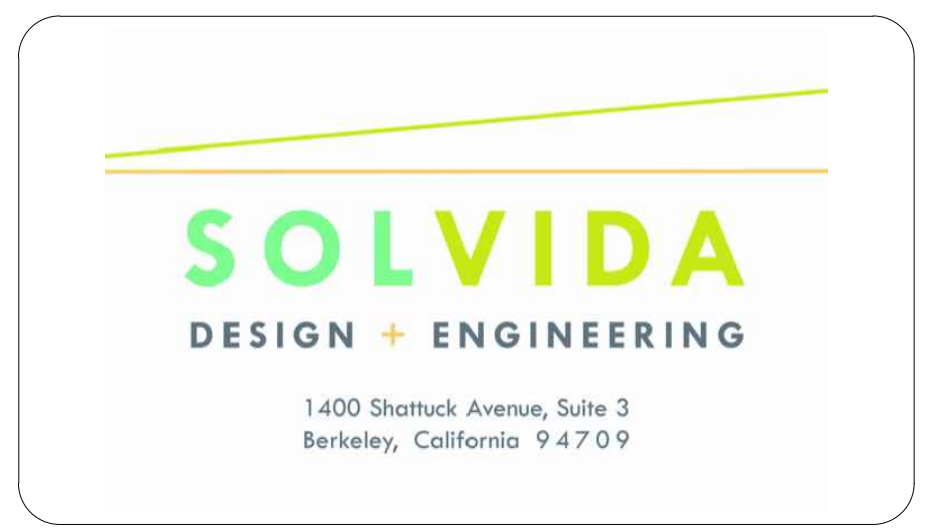


LEGEND	
	78 MODULE TRACKER ROW
	52 MODULE TRACKER ROW
	EQUIPMENT RACK (TYP. OF 40) (1) INVERTER, (1) MV TRANSFORMER, (1) ENERGY STORAGE
	FENCE
	PROPERTY LINE
	EASEMENT
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB 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	1,268.09 ACRES
* OUTPUT CONTROLLED BY PLANT CONTROLLER	

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

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



**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

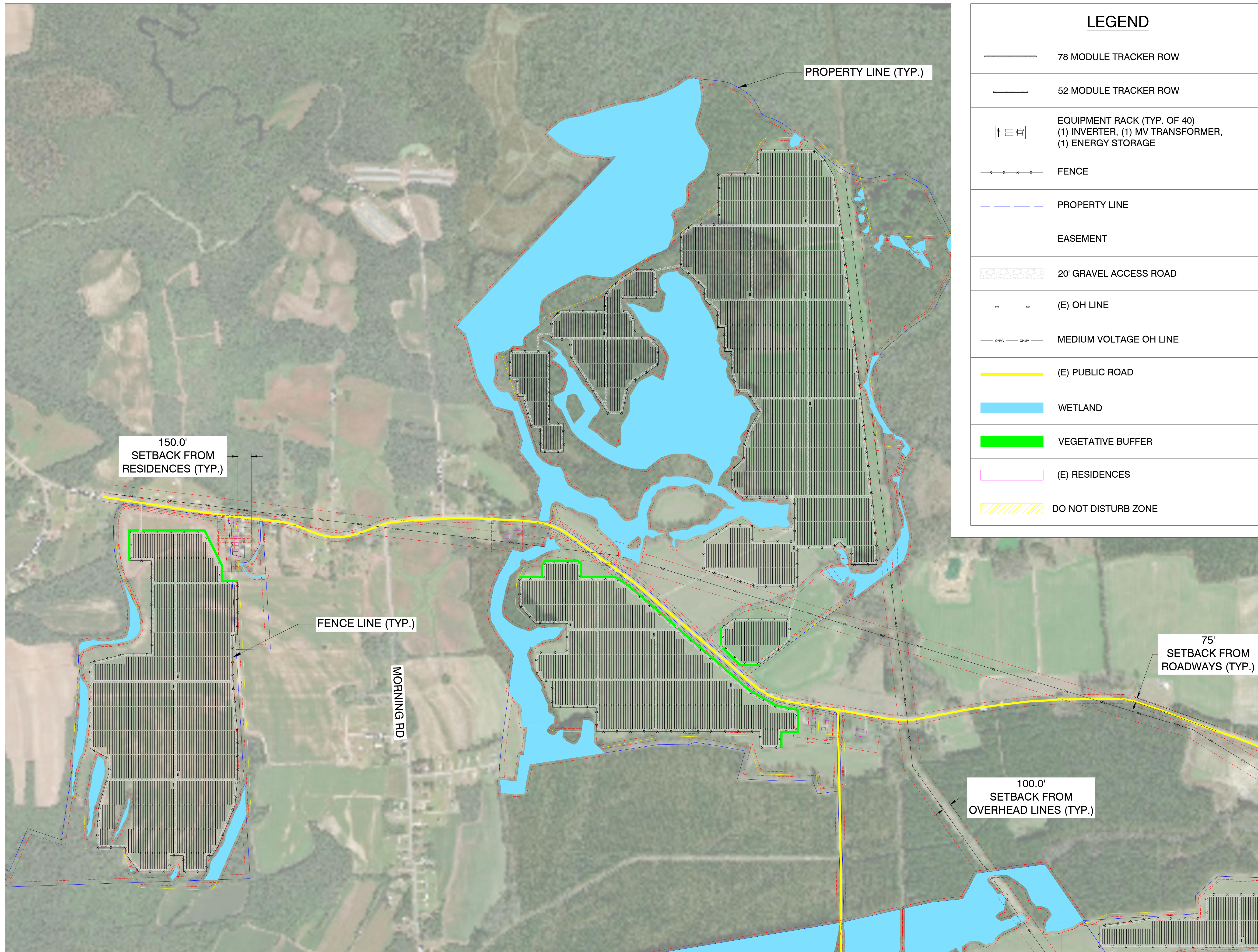
35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	11/07/19

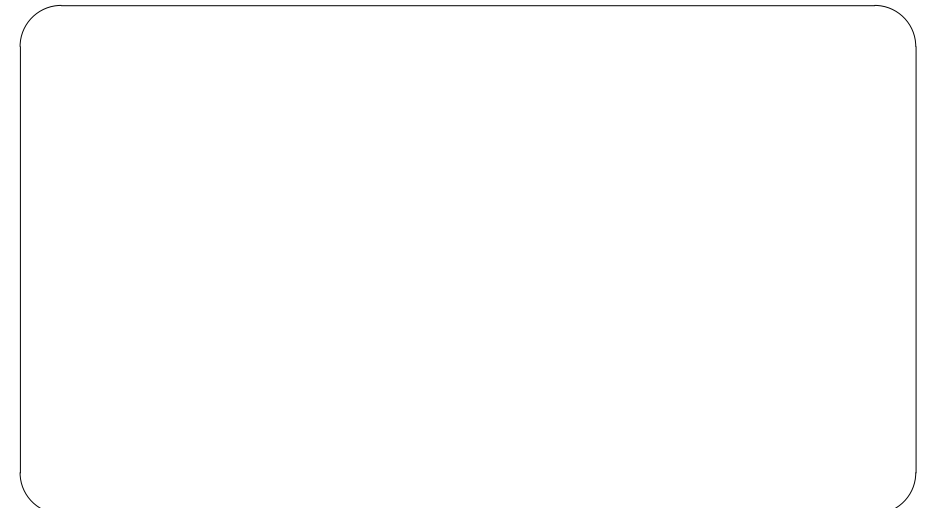
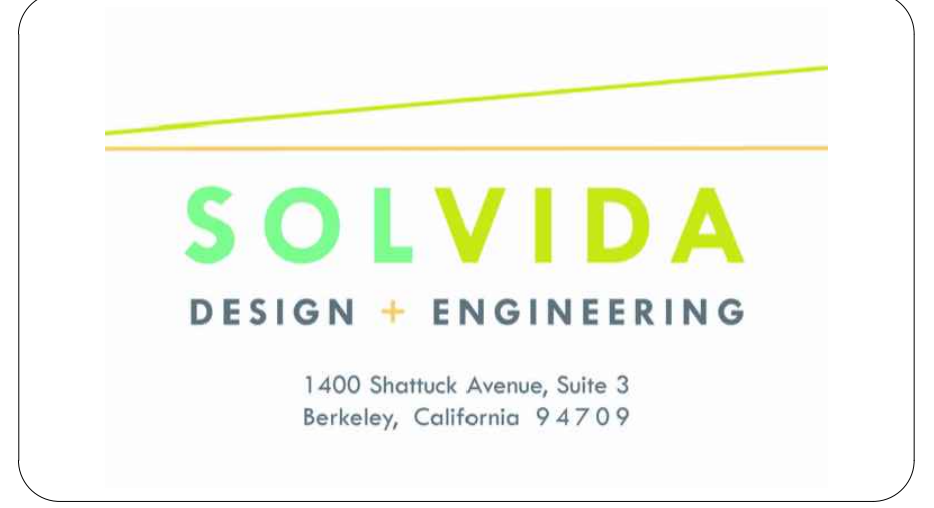
SHEET TITLE:		
<b>PERMITTING LAYOUT</b>		
PROJ. MGR.	PROJ. ENGR. SDE	DATE: 10/02/19
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

**PV-100**





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
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE



**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

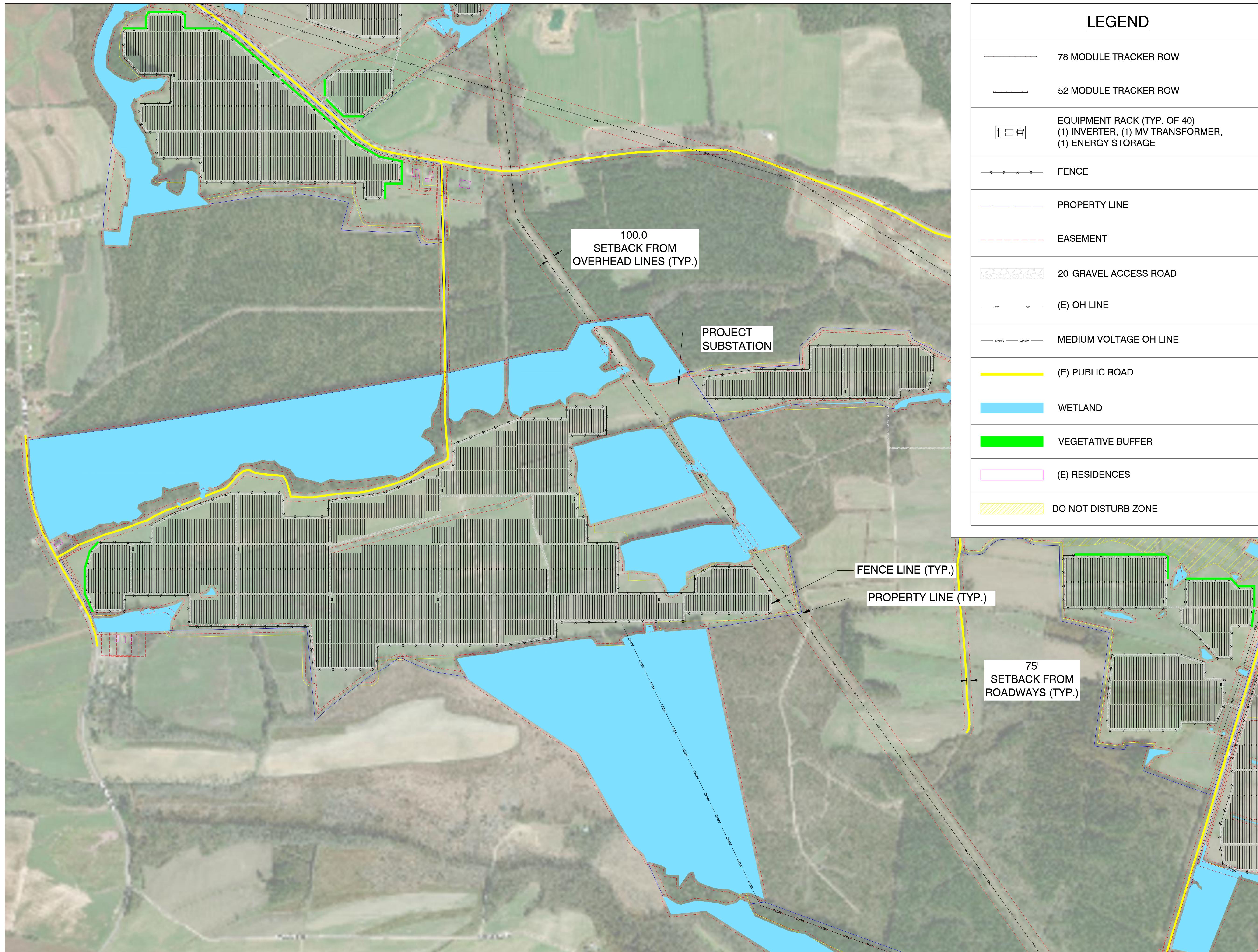
35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	11/07/19

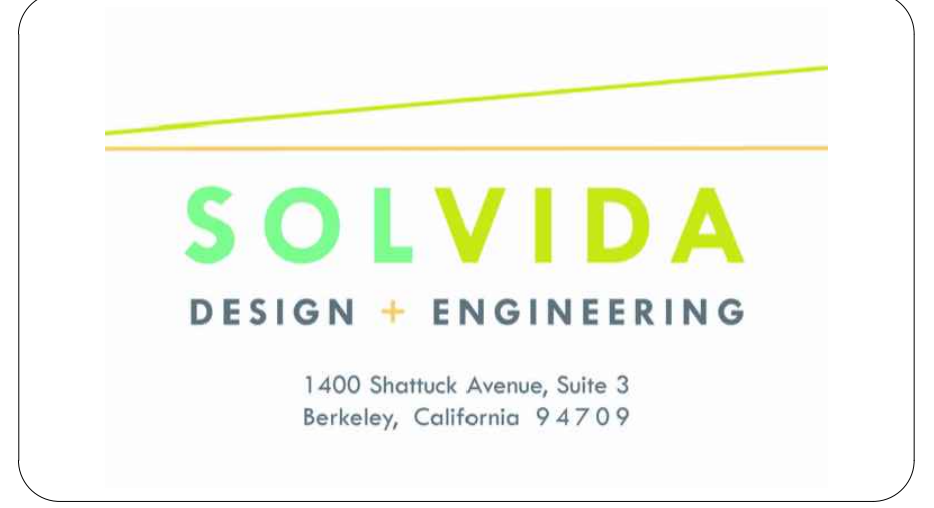
SHEET TITLE:  
**SITE PLAN DETAILS**

PROJ. MGR.	PROJ. ENGR. <b>SDE</b>	DATE: <b>10/02/19</b>
DRAWN BY: <b>LR</b>	CHECKED BY:	SCALE: <b>AS SHOWN</b>
DRAWING NO.		





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
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE



**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

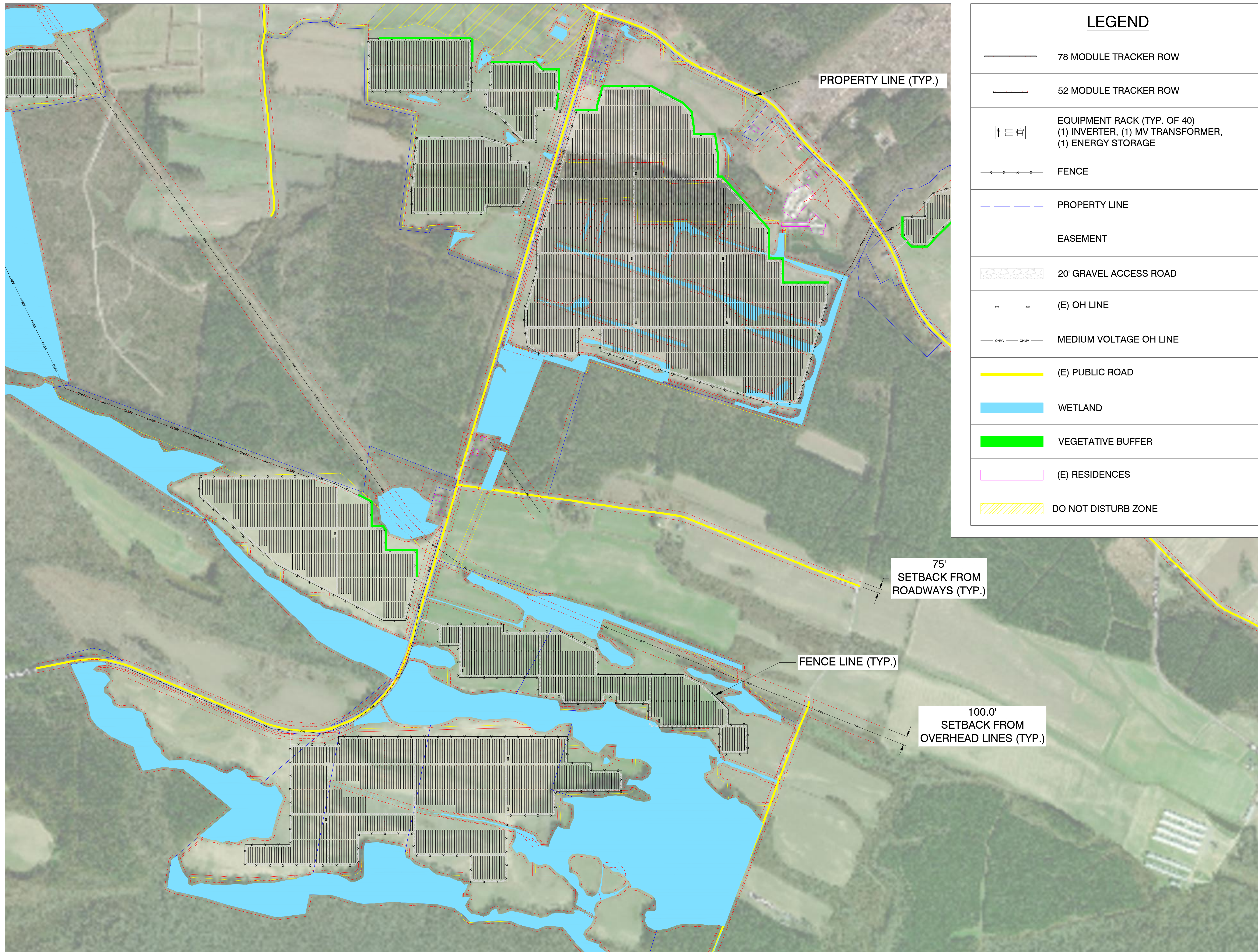
REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	11/07/19

SHEET TITLE:  
**SITE PLAN DETAILS**

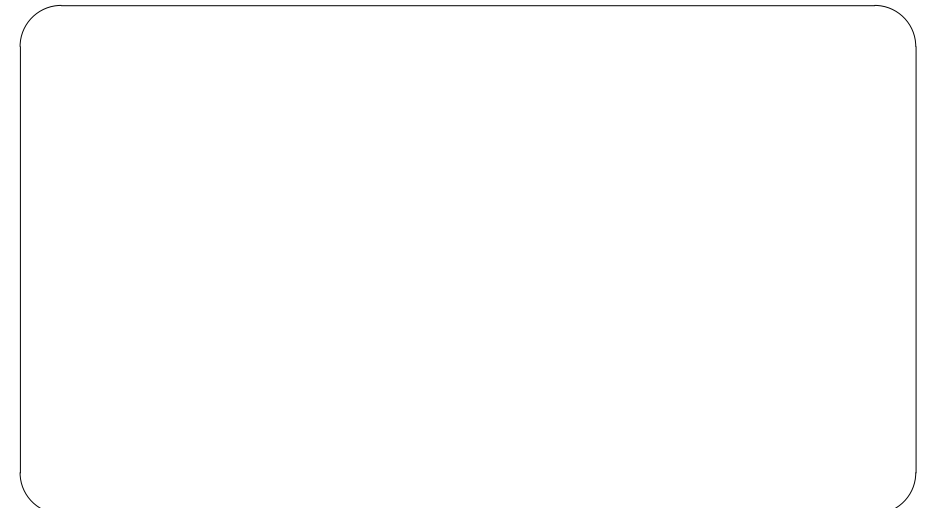
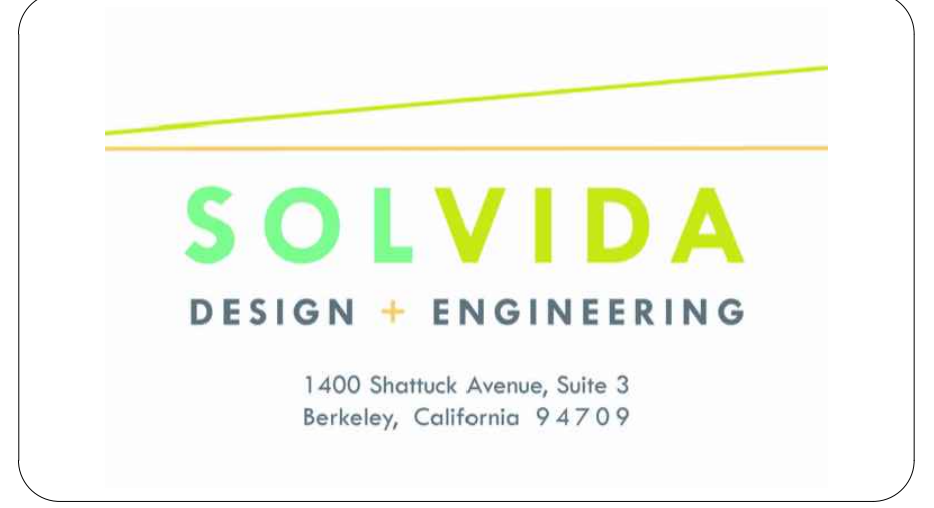
PROJ. MGR.	PROJ. ENGR. <b>SDE</b>	DATE: <b>10/02/19</b>
DRAWN BY: <b>LR</b>	CHECKED BY:	SCALE: <b>AS SHOWN</b>
DRAWING NO.		

**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
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE



**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

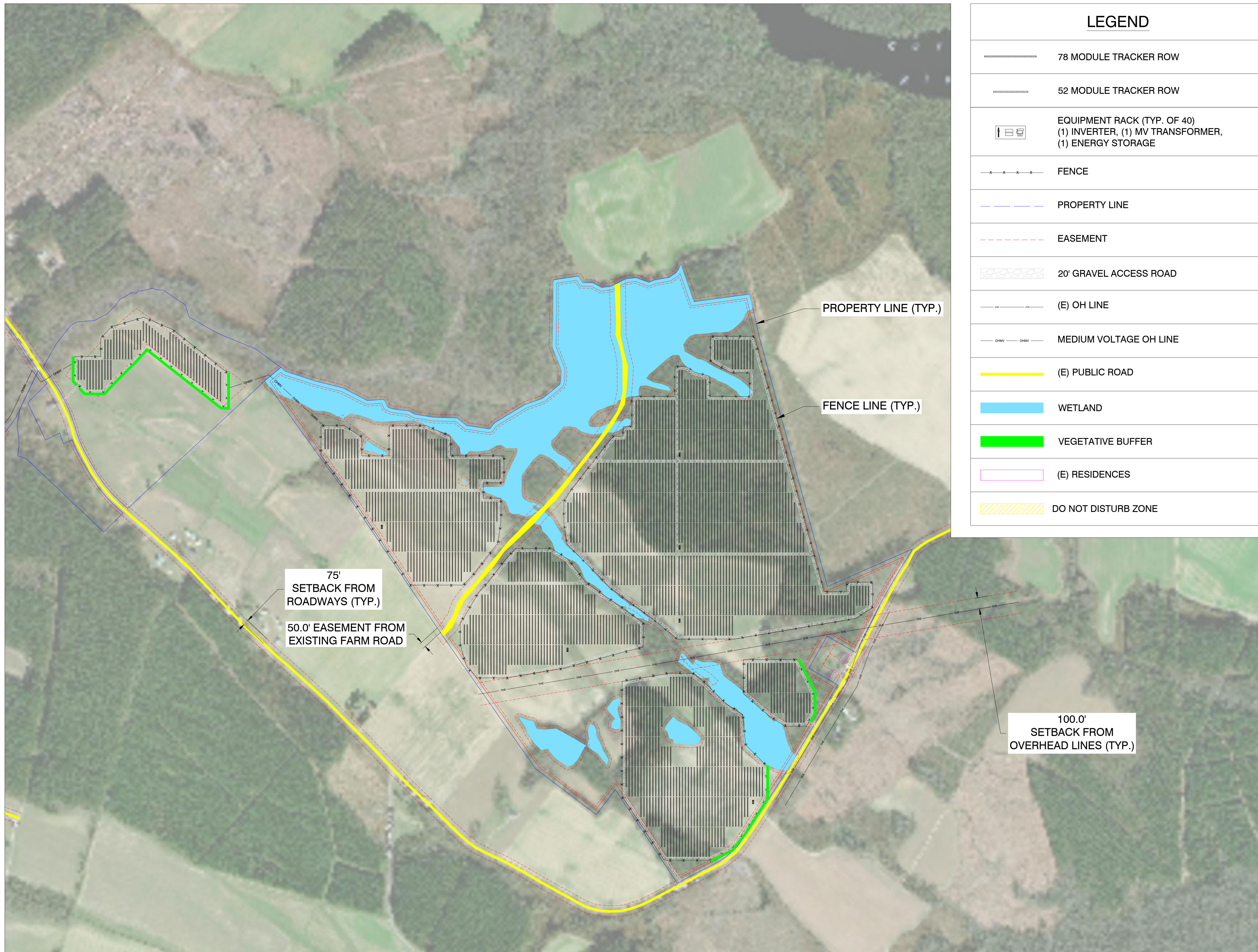
REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	11/07/19

SHEET TITLE:  
**SITE PLAN DETAILS**

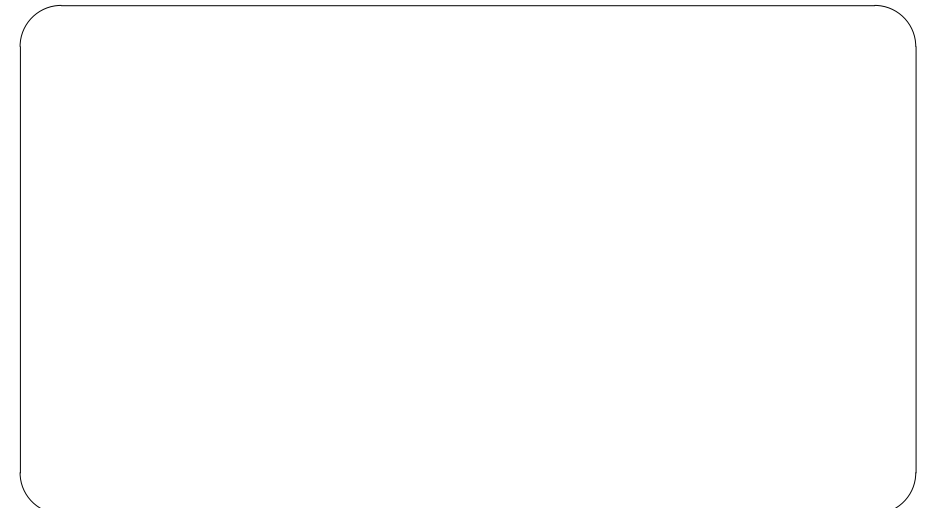
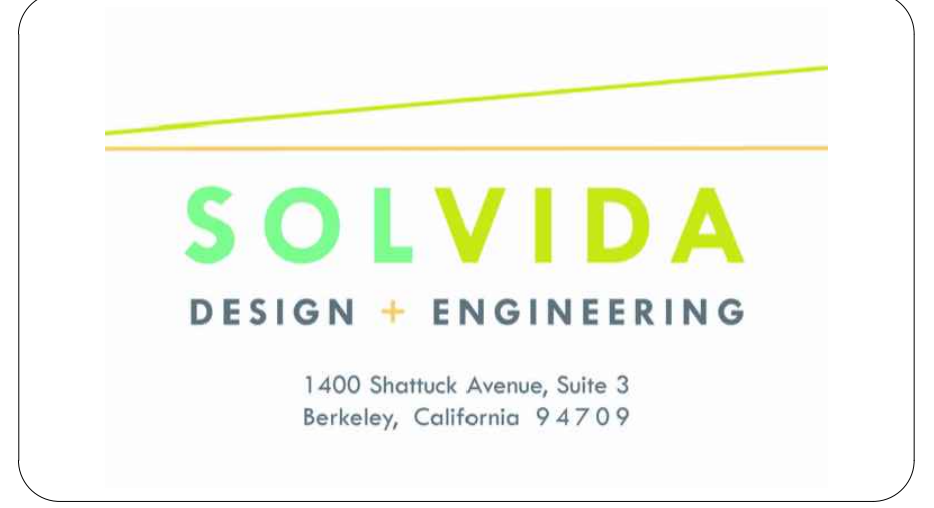
PROJ. MGR.	PROJ. ENGR. <b>SDE</b>	DATE: <b>10/02/19</b>
DRAWN BY: <b>LR</b>	CHECKED BY:	SCALE: <b>AS SHOWN</b>
DRAWING NO.		

**PV-103**





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
	20' GRAVEL ACCESS ROAD
	(E) OH LINE
	MEDIUM VOLTAGE OH LINE
	(E) PUBLIC ROAD
	WETLAND
	VEGETATIVE BUFFER
	(E) RESIDENCES
	DO NOT DISTURB ZONE



**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

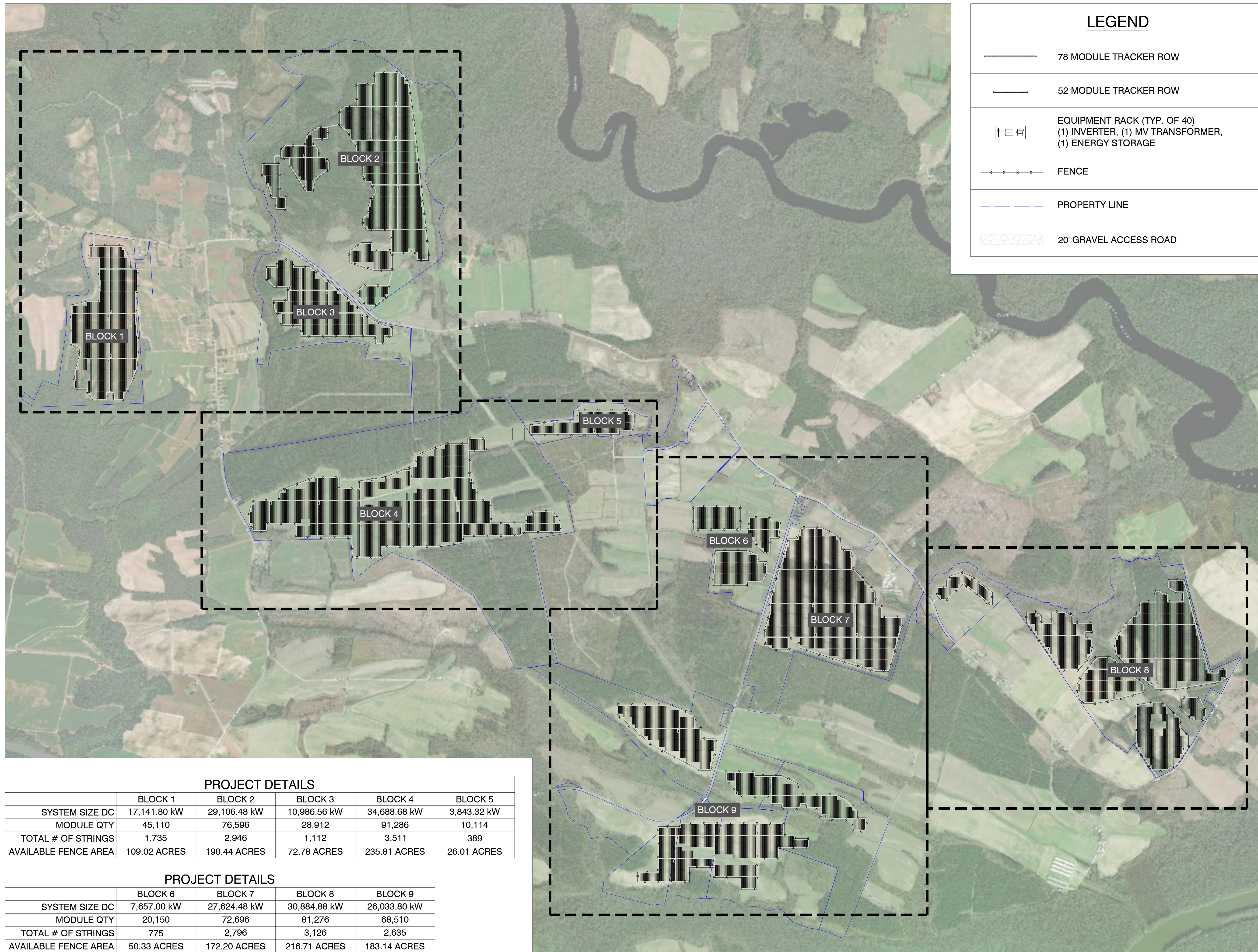
REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	11/07/19

SHEET TITLE:  
**SITE PLAN DETAILS**

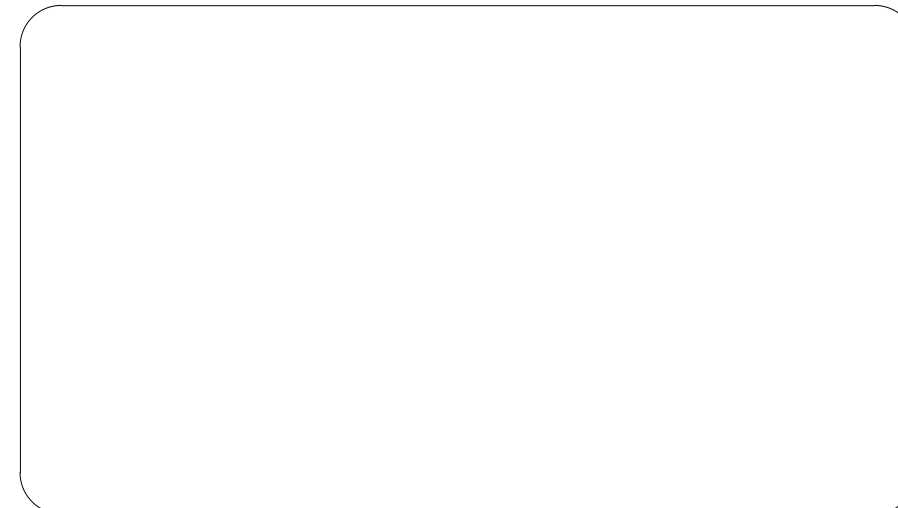
PROJ. MGR.	PROJ. ENGR. <b>SDE</b>	DATE: <b>10/02/19</b>
DRAWN BY: <b>LR</b>	CHECKED BY:	SCALE: <b>AS SHOWN</b>
DRAWING NO.		

**PV-104**





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
	20' GRAVEL ACCESS ROAD



**SUMAC**

1281-1117 WOODARD RD  
WINDSOR, NC 27983

35.924892°N  
76.889731°W

REV. NO	DESCRIPTION	DATE
0	PRELIMINARY	11/07/19

PROJECT DETAILS					
	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5
SYSTEM SIZE DC	17,141.80 kW	29,106.48 kW	10,986.56 kW	34,688.68 kW	3,843.32 kW
MODULE QTY	45,110	76,596	28,912	91,286	10,114
TOTAL # OF STRINGS	1,735	2,946	1,112	3,511	389
AVAILABLE FENCE AREA	109.02 ACRES	190.44 ACRES	72.78 ACRES	235.81 ACRES	26.01 ACRES

PROJECT DETAILS				
	BLOCK 6	BLOCK 7	BLOCK 8	BLOCK 9
SYSTEM SIZE DC	7,657.00 kW	27,624.48 kW	30,884.88 kW	26,033.80 kW
MODULE QTY	20,150	72,696	81,276	68,510
TOTAL # OF STRINGS	775	2,796	3,126	2,635
AVAILABLE FENCE AREA	50.33 ACRES	172.20 ACRES	216.71 ACRES	183.14 ACRES

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

1 ARRAY PLAN  
PV-105

Scale: 1"=1100'

SHEET TITLE:

**SITE PLAN**

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 10/02/19
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

**PV-105**