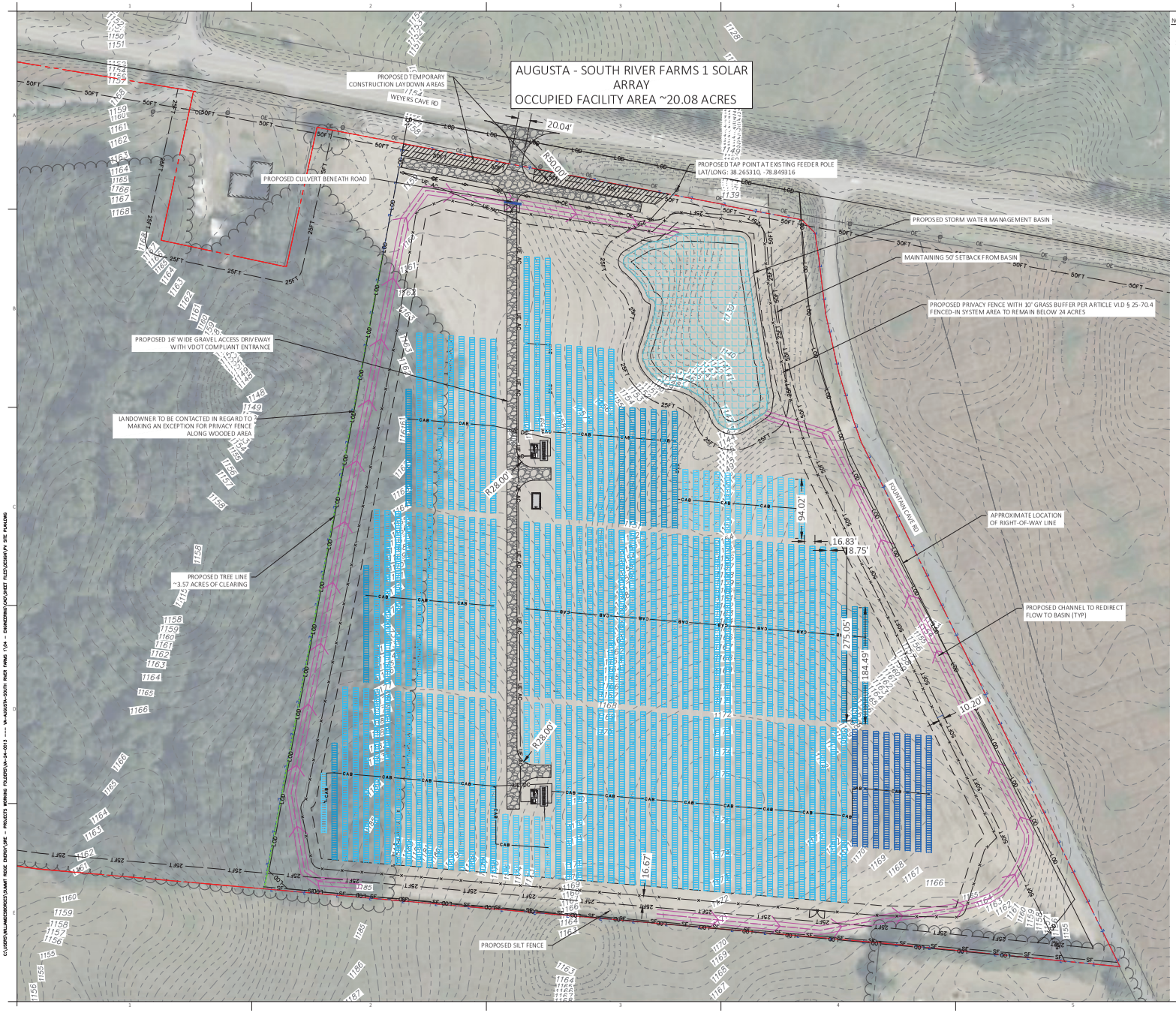


NOTES:

1. THE PROPOSED SITE PLAN IS CONCEPTUAL. FINAL EQUIPMENT SELECTION MAY CHANGE DEPENDING ON AVAILABIUTY.
2. PARCEL BOUNDARY LINE IS BASED ON GIS DATA AND SHOULD BE CONSIDERED APPROXIMATE AND IS BEING SHOWN FOR REFERENCE PURPOSES ONLY.
3. WETLAND DELINEATION HAVE BEEN REFERENCED FROM THE NATIONAL WETLANDS INVENTORY AND IS BEING SHOWN FOR REFERENCE PURPOSES.
4. TAP LOCATION IS APPROXIMATE AND WILL BE DETERMINED FOLLOWING A SITE SURVEY BY THE ELECTRICAL UTILITY. PROJECT POLE SERIES TO BE DESIGNED IN ACCORDANCE WITH ELECTRICAL UTILITY STANDARDS.
5. LOCATIONS OF WIRING WITHIN THE SOLAR ARRAY FOR REFERENCE PURPOSES ONLY. ACTUAL ROUTINGS TO BE DETERMINED IN 30% DESIGN STAGE.
6. POLE LINEUP: P0 - TAP POINT, P1 - TURNING POLE, P2 - UTILITY DISCONNECT, P3 - UTILITY SECONDARY XFMR, P4 - UTILITY RECLOSER, P5 - UTILITY METER, P6 - UTILITY GOAB, P7 - CUSTOMER GOAB, P8 - CUSTOMER RECLOSER, P9 - CUSTOMER RISER W/ UNFUSED CUTOUTS.
7. THE BUILDING AND STRUCTURES ASSOCIATED WITH THE PROPOSED SOLAR PROJECT ADHERE TO APPLICABLE THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (USBC) (13VAC5-63).

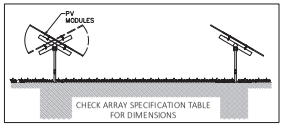
SETBACKS

MINIMUM YARD SETBACK	REQUIRED	PROPOSED
FRONT:	50'	MIN 50'
REAR:	50'	MIN 50'
SIDE:	50'	MIN 50'
FROM RESIDENCE:	150'	MIN 150'
MAXIMUM BUILDING HEIGHT	25'	~12'

*SETBACKS ARE BASED ON LOCAL ORDINANCE AND/OR ZONING CODE

ARRAY SPECIFICATIONS	
DC SYSTEM SIZE (kW)	5196.72 kW
AC SYSTEM SIZE (kW)	3500 kW
DC/AC RATIO	1.48
MODULE MODEL	Q.PEAK DUO XL-G11S.3/BFG
MODULE POWER	590 W
MODULE COUNT	8,808
RACKING MANUFACTURER	FLEXRACK FLEXTRACK S-SERIES
RACKING QUANTITY	(102) 1x72; (20) 1x48; (21) 1x24; SAT
STRING LENGTH	24
STRING QUANTITY	367
INVERTER TYPE	KACO BLUEPLANET 125-TL3-INT-XL
INVERTER QUANTITY	(28) 125 kW
AZIMUTH	180°
TILT ANGLE / PHI UMITS	±50°
NOMINAL PITCH (FEET)	16.83
INTER-ROW SPACING (FEET)	8.75
GROUND COVERAGE RATIO	0.480
TORQUE TUBE HEIGHT (FEET)	5.1 MIN; 5.6 DESIGN
TRACKER LEADING EDGE (FEET)	2 MIN; 2.5 DESIGN

SYSTEM SECTION VIEW



LEGEND

- PROPERTY LINE
- LEASE LINE
- FENCE LINE
- SOLAR MODULES
- EQUIPMENT PAD
- 1 FT CONTOURS — 580
- FENCE GATE
- OVERHEAD ELECTRIC LINE — OE
- UNDERGROUND AC ELECTRIC LINE — UE AC
- UNDERGROUND DC ELECTRICAL LINE — UE DC
- UTILITY POLE
- STORAGE SHED

70 0 70 140 210
FEET
Scale: 1"=70'

REV	BY	DESCRIPTION	DATE
0	TBH	PRELIMINARY SITE LAYOUT	05/16/2025
1	WMD	REVISED SITE LAYOUT	09/20/2025

DRAWING ISSUE
- ☑ PRELIMINARY
- ☐ PERMITTING
- ☐ BID
- ☐ CONSTRUCTION
- ☐ AS-BUILT
- ☐ OTHER _____

SUMMIT RIDGE ENERGY
1300 WILSON BLVD, SUITE 2400
ARLINGTON, VA 22209
WWW.SRENERGY.COM

PE SEAL/CONSULTANT:
NOT FOR CONSTRUCTION

PROJECT:
SOLAR PROJECT
VA - AUGUSTA - SOUTH RIVER FARMS
11987 WEYERS CAVE RD,
GROTTOES, VA 24441
LAT/LONG: 38.263789, -78.849964
UTILITY: DOMINION
LOCAL AHJ: AUGUSTA COUNTY
STATE: VIRGINIA

DRAWING TITLE:
CONCEPTUAL SITE PLAN

DWG NO:
C 01

C:\USERS\WILLIAMCORDERO\SUMMIT RIDGE ENERGY\SRE - PROJECTS WORKING FOLDERS\VA-24-0013 ---- VA-AUGUSTA-SOUTH RIVER FARMS 1\04 - ENGINEERING\CAD\SHEET FILES\DESIGN\PV SITE PLANLONG