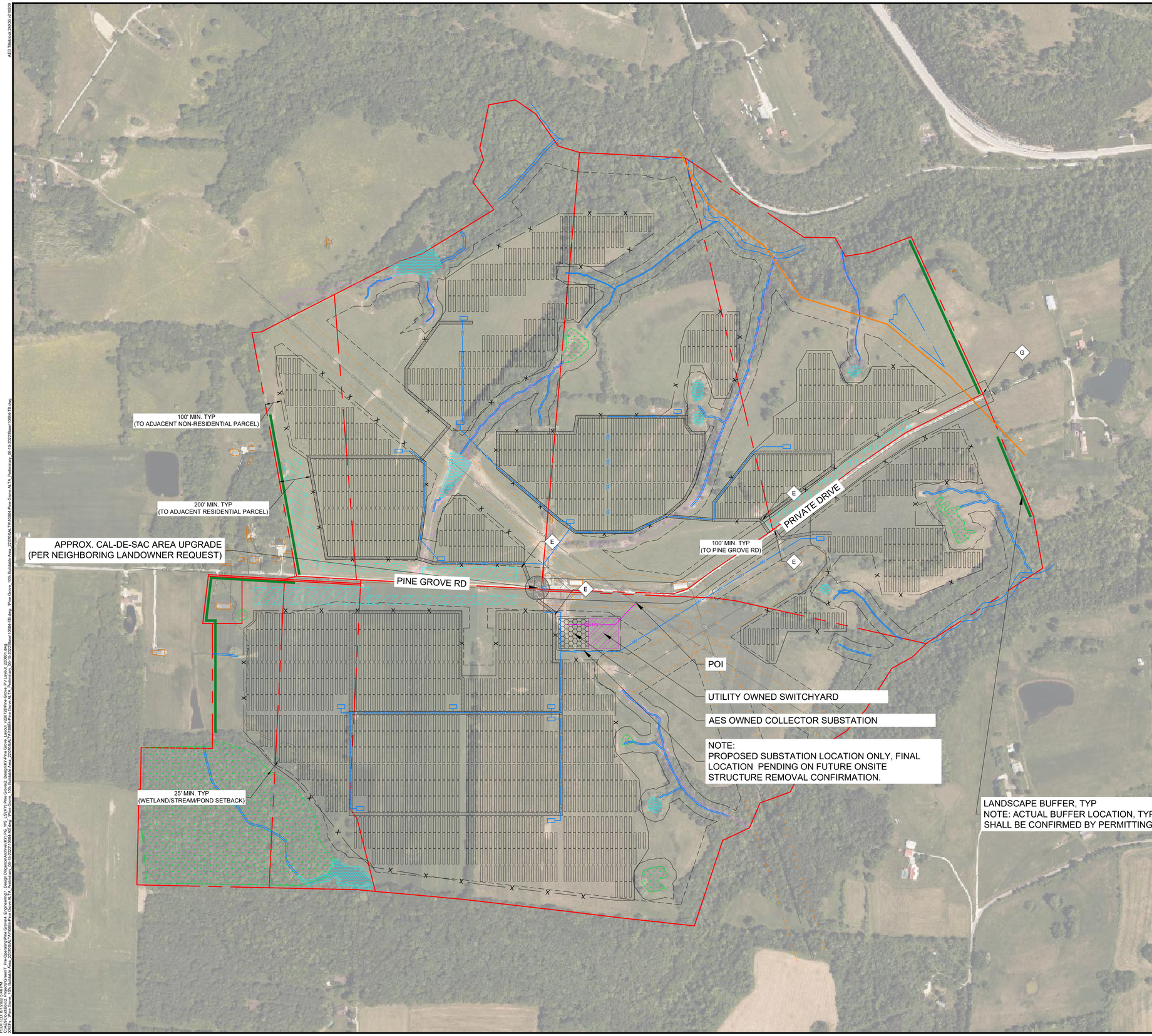

GENERAL NOTES

1. PRELIMINARY LAYOUT ONLY. NOT FOR CONSTRUCTION.

SHEET NOTES

- E — PROPOSED SITE ENTRANCE
- G — PROPOSED ELECTRICAL FENCE & GATE

LEGEND

EXISTING

- PROPERTY LINE
- UNDERGROUND GAS LINE
- UG GAS LINE EASEMENT (TBD)
- OVERHEAD HV TRANSMISSION LINE
- OVERHEAD LINE
- OH UTILITY LINE SETBACK (TBD)
- 100 YR & 500 YR FLOOD PLAIN
- POND, IMPOUNDMENT, OR LAKE
- WETLAND
- STREAM

PROPOSED

- FENCE
- BUILDABLE AREA
- ACCESS / TURN-AROUND (GRAVEL)
- LANDSCAPE BUFFER
- SWITCHYARD (UTILITY OWNED)
- SUBSTATION
- 161kV OVERHEAD GEN-TIE LINE
- UNDERGROUND MV FEEDER
- LAYDOWN AREA
- XFMR SKID
- PV PANELS

SYSTEM DETAILS

AC CAPACITY AT POI	45 MW
DC CAPACITY	58.26 MW
DC:AC RATIO AT POI	1.29
DESIGN TEMPERATURE	37°C
JKM540M-72HL4-TV MODULE COUNT	107,892
STRING SIZE	27 MODULES
PITCH	31.154' / 9.5 m
GCR	48%
INTER-ROW SPACING (MODULE TO MODULE)	16.2' / 4.94 m
GPTECH MWD3-V690 INVERTER COUNT	36
2.8 MVA PCS COUNT (2 INV)	6
4.2 MVA PCS COUNT (3 INV)	8
INVERTER NAMEPLATE RATING	1.40 MVA
INVERTER RATING (@ DESIGN TEMP)	1.38 MVA
RACKING TYPE	SOLTEC SF7 BIFACIAL
TRACKER MOTOR COUNT	1,998
2 STRINGS TRACKER ROWS	1,998
TOTAL PARCEL ACREAGE	485.7
LINEAR FEET OF FENCE	35,630'
FENCED ACREAGE	190.8
LINEAR FEET OF INTERIOR ROADS	20,380'
LINEAR FEET OF MV CIRCUIT/TRENCH	12,383'
LAYDOWN AREA (ACRES)	8

PRELIMINARY
NOT FOR CONSTRUCTION

aes
2180 South 1300 East, Suite 600
Salt Lake City, UT 84106-2749
(801) 679 - 3500

PE STAMP:

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
0	07/28/2022	FOR CUP USE

PROJECT TITLE:

PINE GROVE

PROJECT LOCATION:

MADISON COUNTY, KY

SHEET TITLE & DESCRIPTION:

PRELIMINARY SITE PLAN

SINGLE-AXIS 2P TRACKER

PROJ NUM:	
DES:	L. SHAO
DWN:	T. TRBOVICH
CHK:	B. SAVAGE
APV:	
DATE:	07/28/2022

SCALE AT 24" x 36":
0 150' 300' 450' 600'
1" = 300'

SHEET NO: PV-E.01.00
REV: 0