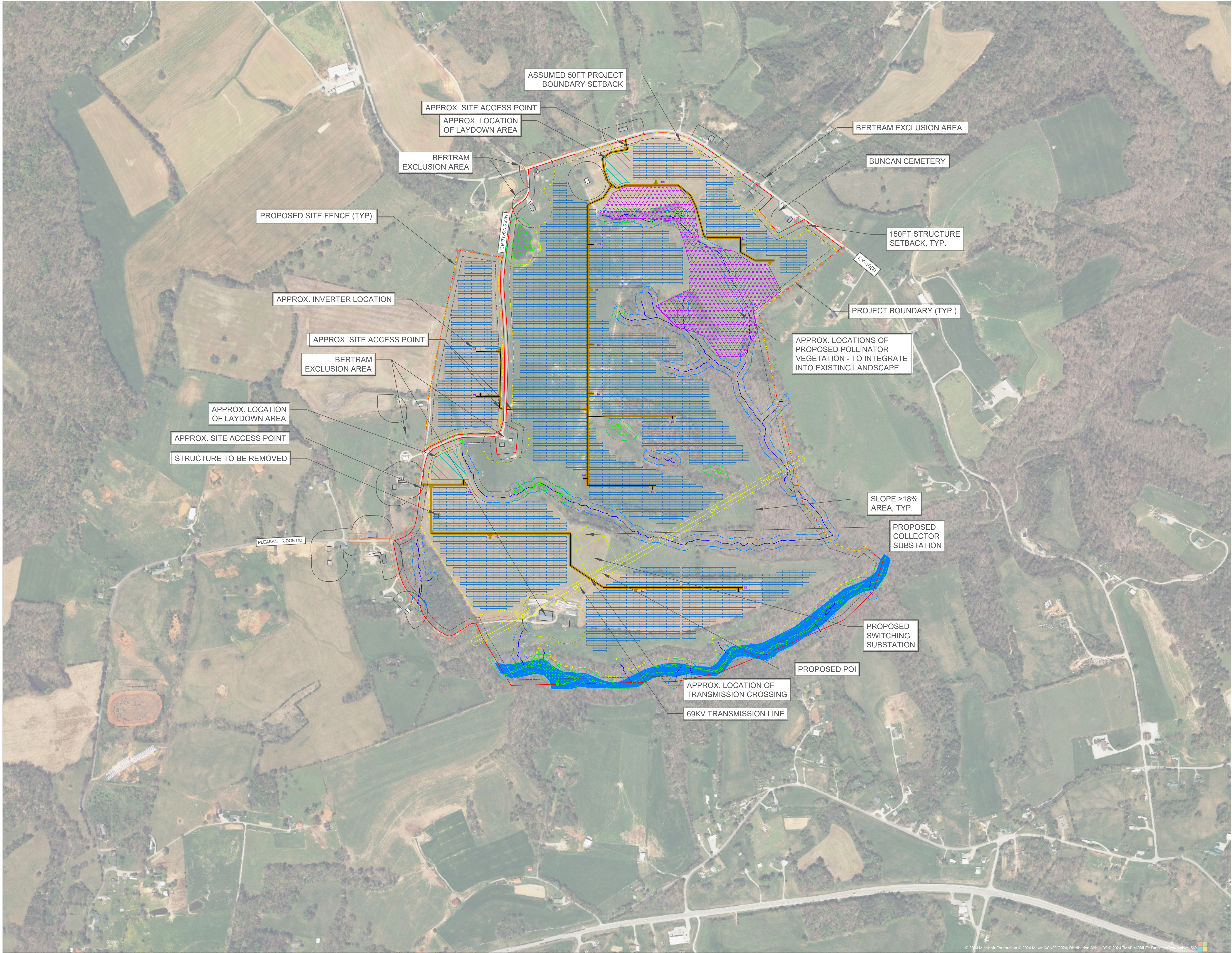


Appendix B

PRELIMINARY SITE LAYOUT

Barrelhead Solar, LLC

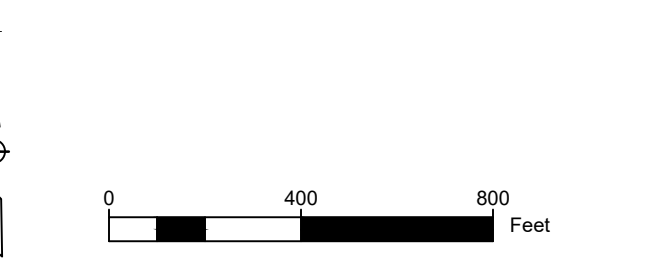
Wayne County, Kentucky



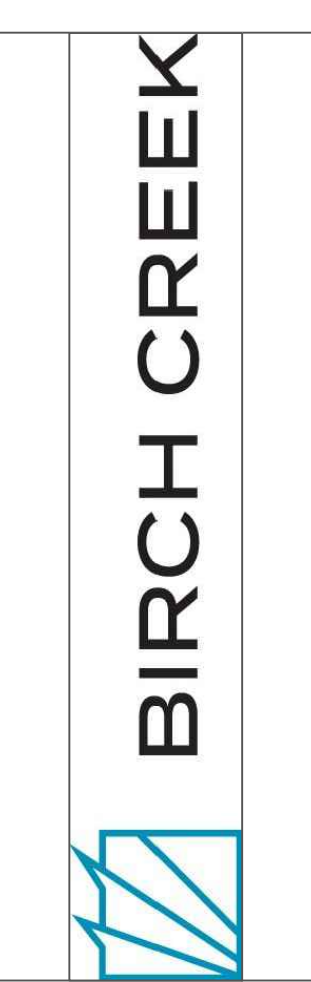
PROJECT INFORMATION	
UTILITY:	EKPC
UTILITY PROJECT NUMBER:	TBD
INTERCONNECTION VOLTAGE (KV):	69
1A AC GRID LIMIT (MW):	60
AC POI CAPACITY (MW):	54.0
AC INVERTER CAPACITY (MW):	66.0
DC CAPACITY (MW):	70.2
DC / AC:	1.3
PV MODULES	
MANUFACTURER:	CANADIAN SOLAR
MODEL:	CS7N-720TB-AG
RATING (W):	720
STRING LENGTH:	28
STRING QUANTITY:	2808
MODULE/PANEL QUANTITY:	97552
INVERTERS	
MANUFACTURER:	SUNGROW
MODEL:	SG-4400UD-MV-US
RATING (KVA):	4400
RATING (MW):	4400
QUANTITY:	15
AVERAGE IRL:	1.06
RACKING	
MANUFACTURER:	TERRASMART
MODEL:	GLIDE AGILE
TYPE:	2P FIXED
TILT (°):	60
AZIMUTH (°):	0
PITCH (FT):	31.5
GCR (%):	50%
SITE CONDITIONS	
PARCEL ACREAGE:	402
LENGTH OF FENCELINE (FT):	24,000
LAT / LONG (POI):	36.7743, -85.0077
DESIGN TEMP (°C):	-25.6

SHEET SYMBOLOLOGY	
	PROJECT BOUNDARY
	PROPERTY SETBACK
	PARCEL BOUNDARY
	PERMANENT FENCE
	LIMITS OF DISTURBANCE
	GAS LINE
	OVERHEAD TRANSMISSION LINE
	UNDERGROUND MV LINE
	OVERHEAD MV LINE
	RIGHT OF WAY
	RAILROAD
	100 YEAR FLOOD PLAIN
	DELINEATED JURISDICTIONAL WETLAND
	NWI WETLAND
	CULTURAL RESOURCE AREA
	PROPOSED BMP AREA
	LAYDOWN AREA
	PROPOSED POLLINATOR AREA
	KEEPPOUT AREA
	VEGETATIVE BUFFER
	TREE CONSERVATION AREA

GENERAL NOTES:	
1.	ALL LOCATIONS BASED ON GIS DATA AND ARE APPROXIMATE AND SUBJECT TO CHANGE
2.	WETLAND DELINEATION DATA OBTAINED FROM COPPERHEAD ENVIRONMENTAL CONSULTANT REPORT 2/5/24.
3.	PROJECT SPECS LISTED ARE PRELIMINARY AND SUBJECT TO CHANGE
4.	INVERTER LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE BASED ON FUTURE PROJECT CONSTRAINTS AND ELECTRICAL DESIGN.



BIRCH CREEK ENERGY
2650 LOCUST ST.
STE #100
ST. LOUIS, MO 63103



NOT FOR
CONSTRUCTION

REV	DATE	DESCRIPTION	AGS	MEC	MEC
1	11/27/24	PRELIMINARY SITE PLAN WITH DESKTOP CONSTRAINTS			
2	06/20/25	UPDATED PRELIMINARY SITE PLAN WITH DESKTOP CONSTRAINTS			
3	07/11/25	UPDATED APPROX. LOCATIONS OF LAYDOWN AND SITE ROADS			

BARRELHEAD
ALPHA, KY
36.7743, -85.0077

SHEET TITLE
PRELIMINARY
SITE PLAN