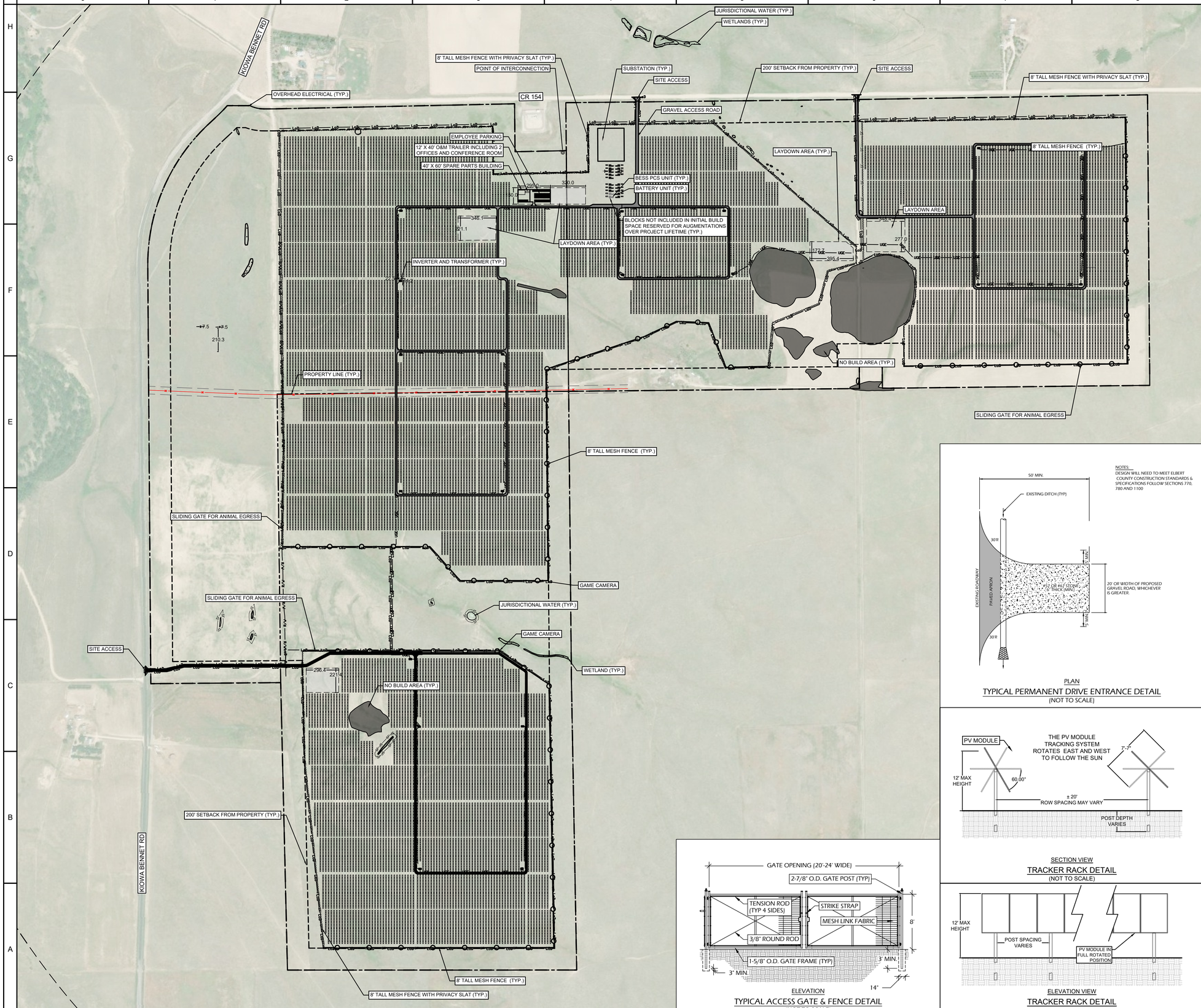

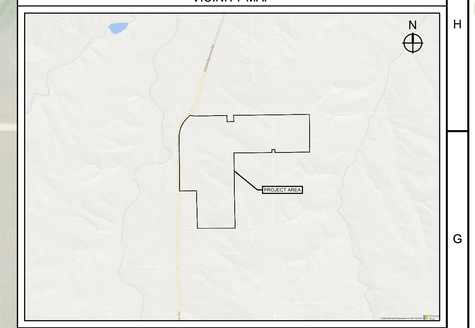

SCALE 1" = 5000'

NOTES:

1. PV ARRAY AS SHOWN IS REPRESENTATIVE AND TO BE FINALIZED PRIOR TO CONSTRUCTION.
2. AERIAL IMAGE MAY NOT ALIGN EXACTLY WITH SURVEY DUE TO MAP PROJECTION.
3. ALL EXISTING ROAD LOCATIONS SHOWN ARE APPROXIMATE.
4. EXACT PROPOSED INTERIOR ACCESS ROAD LOCATIONS ARE REPRESENTATIVE, AND TO BE FINALIZED PRIOR TO CONSTRUCTION.
5. PV ARRAY FENCE IS ASSUMED TO ROUTE THROUGH OVERHEAD ELECTRICAL LINE EASEMENT.
6. THE PHYSICAL LAYOUT REFLECTS A 10% OVERSIZE TO ACCOUNT FOR FUTURE CIVIL DESIGN. THE VALUES IN THE SUMMARY REFLECT NO OVERSIZE.

PROJECT SPECIFICATIONS DESIGN SUMMARY

UTILITY	CORE
POI VOLTAGE (kV)	115.00
AC SYSTEM SIZE (MW)	74.90
DC SYSTEM SIZE (MW)	97.37
DC/AC RATIO	1.30
INVERTER MAKE/MODEL	SUNGROW 4400
INVERTER QTY	21
PV MODULE MAKE/MODEL	BOVIET BVM7612M-H-HC-BF-DG
PV MODULE QTY	172354
PV MODULE STC RATING (W)	565
MODULES PER STRING	26
3 STRING QTY	2109
2 STRING QTY	151
RACKING FOUNDATIONS QTY	28776
DC SYSTEM MAX VOLTAGE (V)	1500
RACKING MAKE/MODEL	NEXTRACKER
RACK CONFIGURATION	SAT
MODULE ORIENTATION	1-PORTRAIT
TILT (°)	±60
GCR	0.3
CLEAR ROW SPACING (FT)	17.439
CENTER-CENTER ROW SPACING (FT)	24.913
AZIMUTH (°)	180
LATITUDE (°)	42.926
LONGITUDE (°)	-77.732
BESS SYSTEM SIZE (MW)	50
BESS SYSTEM CAPACITY (MWh)	200.00
BATTERY & PCS MAKE	HITHIUM
PCS MV SKID	PE FP4200M
PCS SKID QUANTITY	17
INVERTER MODEL	PE FP4200M
BATTERY MODEL	LFP314
BATTERY CAPACITY (kWh)	5015
BATTERY QUANTITY	49
BATTERY NOMINAL VOLTAGE (V)	690
TRANSFORMER RATING (kVA)	4200
PRIMARY VOLTAGE (kV)	34.50
SECONDARY VOLTAGE (kV)	0.69

LEGEND

EASEMENTS	SECURITY FENCE
EQUIPMENT PAD	SHADE BUFFER
LIMIT OF DISTURBANCE	SITE ACCESS
ELECTRICAL (OVERHEAD)	TREELINE
ELECTRICAL (UNDERGROUND)	VEGETATIVE BUFFER
PROJECT AREA	NO DISTURBANCE BUFFER
PROPERTY LINE	CULTURAL EXCLUSION AREA
WETLAND	CULTURAL EXCLUSION AREA (MORE TESTING REQUIRED)

400' 0 200' 400'
1" = 400'

NOTES:
DESIGN WILL NEED TO MEET ELBERT COUNTY CONSTRUCTION STANDARDS & SPECIFICATIONS FOLLOW' SECTIONS 770, 780 AND 1100

PLAN
TYPICAL PERMANENT DRIVE ENTRANCE DETAIL
(NOT TO SCALE)

SECTION VIEW
TRACKER RACK DETAIL
(NOT TO SCALE)

ELEVATION
TYPICAL ACCESS GATE & FENCE DETAIL
(NOT TO SCALE)

ELEVATION VIEW
TRACKER RACK DETAIL
(NOT TO SCALE)

CYPRESS CREEK RENEWABLES
3402 PICO BOULEVARD :: STE 215 :: SANTA MONICA, CA 90405
5310 SOUTH ALSTON AVE. :: BLDG. 300 :: DURHAM, NC. 27713

SEAL

PERMIT DRAWING - NOT RELEASED FOR CONSTRUCTION

SEAL

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CONSULTANT

REVISIONS

NO.	DATE	DESCRIPTION
1	05-20-24	PARCEL SETBACK CHANGED TO 200'
2	01-24-25	DIMENSIONS AND DETAILS ADDED
3	01-27-25	BESS RELOCATION
4	02-18-25	SUBSTATION AND BESS RELOCATION
5	02-05-25	RUA APPLICATION, ADDED AVOIDANCE AREAS

PLT STAMP

ANNERSGESH 5/7/2024 4:39 PM SUNDANCE_800K_SITEPLAN_2025-05-05.XYREF0.DWG

PROJECT

SUNDANCE SOLAR, LLC
11000-12000 CO RD. 154
KIOWA CO 80117

DATE:	02-19-25
DRAWN BY:	AR
CHECKED BY:	--

PV LAYOUT

E-101