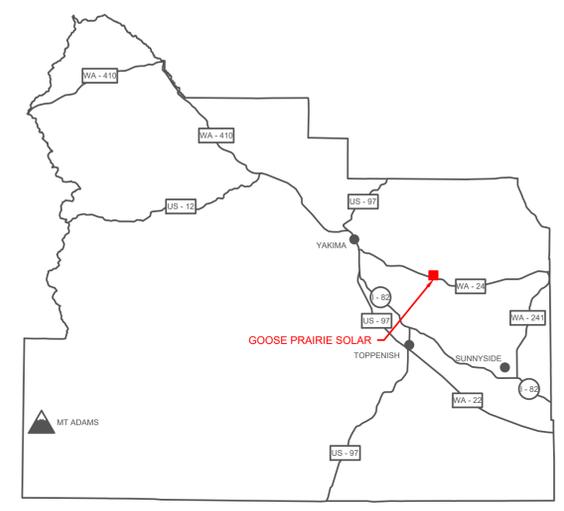
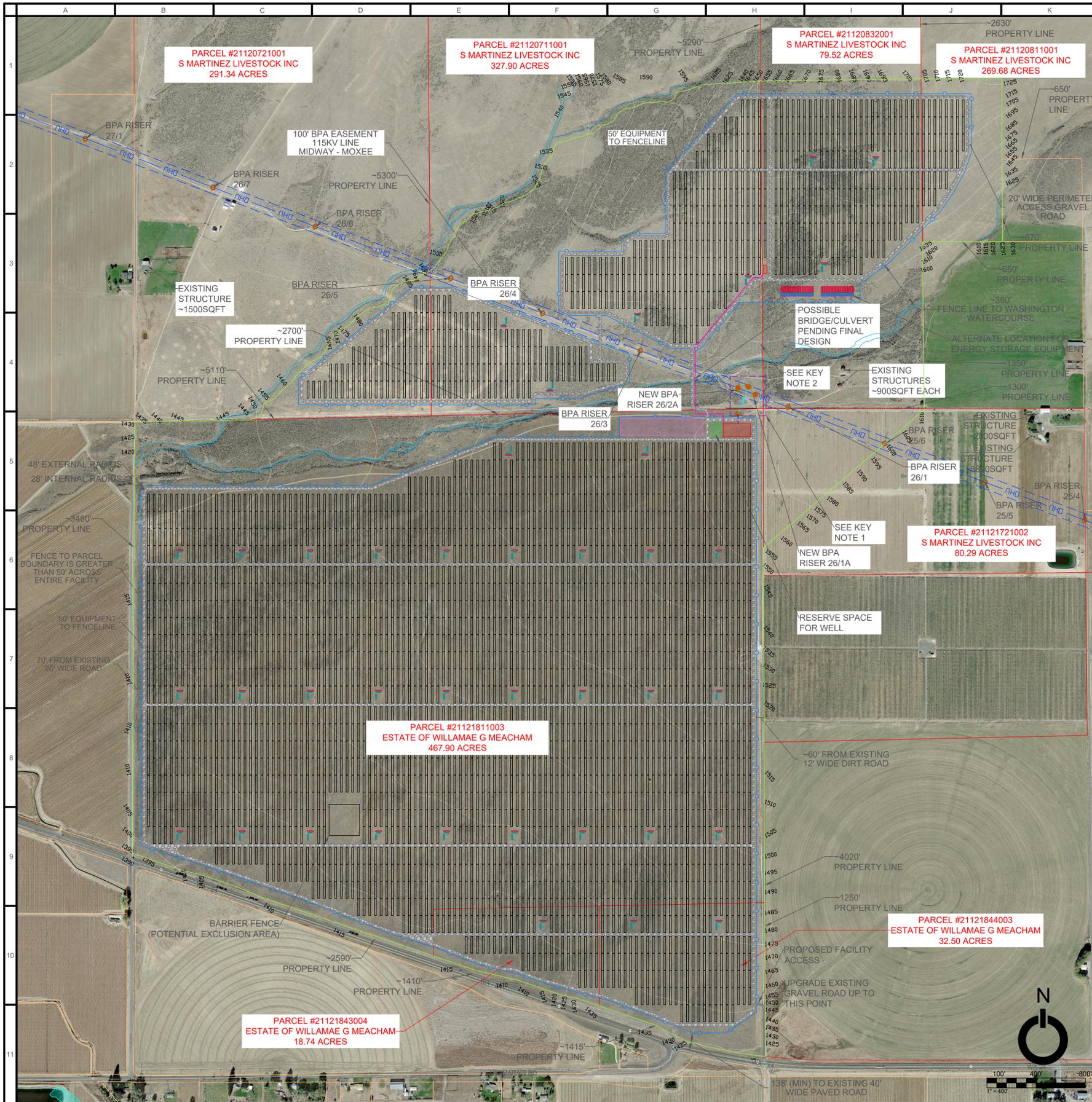


# ATTACHMENT B

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## Preliminary Site Plan



**PROJECT**  
GOOSE PRAIRIE

**ADDRESS**  
11900-12898 WA -24  
MOXEE, WA 98936

**DRAWING**  
TITLE:  
CONCEPT LAYOUT  
SHEET NUMBER:  
**A-001**  
SCALE:  
1" = 400'  
DRAWN BY:  
CG  
CHECKED BY:

DATE:  
01/07/2021  
REVISIONS:

**DESCRIPTION**  
THIS FACILITY CONSISTS OF THE DESIGN AND INSTALLATION OF AN 80.00MWac SOLAR PHOTOVOLTAIC + OPTIONAL BATTERY SYSTEM. MODULES ARE TO BE MOUNTED IN SINGLE AXIS TRACKERS, WHICH FOLLOW THE SUN FROM EAST TO WEST THROUGHOUT THE DAY. INTERCONNECTION TO BE COORDINATED WITH THE LOCAL UTILITY.

**SITE DETAILS:**

SITE LAT:	46.528557°
SITE LONG:	-120.240075°
PARCEL ID:	21121811003
OWNER:	ESTATE OF WILLAMAE G MEACHAM
ACREAGE:	467.90
EXISTING ZONING:	AG
EXISTING USE:	83 CURRENT USE AGRICULTURE
PARCEL ID:	21121843004
OWNER:	ESTATE OF WILLAMAE G MEACHAM
ACREAGE:	18.74
EXISTING ZONING:	AG
EXISTING USE:	83 CURRENT USE AGRICULTURE
PARCEL ID:	21121844003
OWNER:	ESTATE OF WILLAMAE G MEACHAM
ACREAGE:	32.50
EXISTING ZONING:	AG
EXISTING USE:	83 CURRENT USE AGRICULTURE
PARCEL ID:	21120721001
OWNER:	S MARTINEZ LIVESTOCK INC
ACREAGE:	291.34
EXISTING ZONING:	AG
EXISTING USE:	83 CURRENT USE AGRICULTURE
PARCEL ID:	21120711001
OWNER:	S MARTINEZ LIVESTOCK INC
ACREAGE:	327.9
EXISTING ZONING:	AG
EXISTING USE:	83 CURRENT USE AGRICULTURE
PARCEL ID:	21120832001
OWNER:	S MARTINEZ LIVESTOCK INC
ACREAGE:	79.52
EXISTING ZONING:	AG
EXISTING USE:	81 AGRICULTURE NOT CURRENT USE
PARCEL ID:	21120811001
OWNER:	S MARTINEZ LIVESTOCK INC
ACREAGE:	269.68
EXISTING ZONING:	AG
EXISTING USE:	83 CURRENT USE AGRICULTURE
PARCEL ID:	21121721002
OWNER:	S MARTINEZ LIVESTOCK INC
ACREAGE:	80.29
EXISTING ZONING:	AG
EXISTING USE:	83 CURRENT USE AGRICULTURE

**DESIGN SUMMARY:**

MODULE POWER:	445W
MODULE COUNT:	260,550
ARRAY DC VOLTAGE:	1500V
SOLAR INVERTER SIZE:	2,105MW/2,500MVA @50C
SOLAR INVERTER QTY:	38 +/-
DC CAPACITY:	115,944MWdc @ STC (Front)
AC CAPACITY:	80,000MWac
DC/AC RATIO:	1.45
GROUND COVERGE RATIO:	33.25%
GROUND SNOW LOAD:	15 PSF
ASCE 7-10 WINDSPEED:	110 MPH

**LAND USE SUMMARY:**

TOTAL PARCEL AREA:	1567.87 ACRES
FACILITY AREA EXTENT:	791.39 ACRES
TOTAL FENCED AREA:	590.00 ACRES
TOTAL ACCESS ROAD:	23.09 ACRES
FACILITY STAGING AREA:	2.12 ACRES
O&M FACILITY AREA:	0.171 ACRES
FACILITY SUBSTATION:	0.556 ACRES

**KEY NOTES:**

1. PRELIMINARY LOCATION OF LINE TAP INTERCONNECTION TO BPA'S MIDWAY-MOXEE 115KV LINE. FINAL LOCATION OF EQUIPMENT IS SUBJECT TO CHANGE BASED ON BPA DESIGN.
2. MEDIUM VOLTAGE LINE TO CONNECT NORTHERN PROJECT AREA TO FACILITY SUBSTATION. EXACT LOCATION TO BE DETERMINED.
3. FACILITY SHALL MAINTAIN A MINIMUM 50' SETBACK FROM ALL DELINEATED STREAMS.

**GENERAL NOTES:**

1. PARCEL BOUNDARIES FOR FACILITY PARCELS BASED ON ALTA FIELD SURVEY.
2. EXACT LOCATION OF EQUIPMENT DETAILED IN THIS PRELIMINARY SITE PLAN IS SUBJECT TO CHANGE, HOWEVER THE MAXIMUM FACILITY AREA WILL NOT EXCEED 625 ACRES WITHIN THE 791 ACRE FACILITY AREA EXTENT. A FINAL SITE PLAN WILL BE PROVIDED TO THE PERMITTING AUTHORITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. THE FACILITY IS ENTIRELY OUTSIDE ALL FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD HAZARD ZONES.
4. STREAMS SHOWN AS DELINEATED BY TETRA TECH, "GOOSE PRAIRIE WETLAND DELINEATION REPORT," JULY 2020.
5. FACILITY LAYOUT INCLUDES AN OPTIONAL BATTERY STORAGE SYSTEM. APPLICANT SEEKS FLEXIBILITY BETWEEN AN AC-COUPLED AND DC-COUPLED SYSTEM. BOTH ARE SHOWN FOR ILLUSTRATIVE PURPOSES.
6. PROPOSED ACCESS POINT AS COORDINATED WITH WASHINGTON DEPARTMENT OF TRANSPORTATION.
7. THE FACILITY WILL COMPLY WITH ALL ZONING, COUNTY, AND STATE REQUIREMENTS.
8. PRELIMINARY COLLECTION LINE LOCATIONS ARE PENDING BASED ON FURTHER ENGINEERING ANALYSIS.
9. PROJECT IS IN YAKIMA COUNTY FIRE DISTRICT #4 AND WILL COMPLY WITH ALL REQUIREMENTS OF THE FIRE OFFICIAL. ACCESS ROADS AND GATES WILL COMPLY WITH THE APPLICABLE VERSION OF THE INTERNATIONAL FIRE CODE AS ADOPTED BY THE STATE OF WASHINGTON. GATES 20' IN WIDTH WITH ACCESSIBLE HARDWARE PER FIRE DEPARTMENT REQUIREMENTS SHALL BE INSTALLED. FIRE ACCESS ROADS SHALL BE 20' IN WIDTH, WITH INNER TURNING RADIUS OF 30' AND OUTER TURNING RADIUS OF 45'.

**LEGEND**

- GRAVEL ACCESS ROAD
- FACILITY STAGING / PARKING AREA
- FACILITY O&M BUILDING
- FACILITY SUBSTATION
- PARCEL BOUNDARY
- PARCEL ZONING OFFSET
- NEIGHBOR PARCEL BOUNDARY
- FACILITY AREA EXTENT
- FACILITY SECURITY FENCE
- EXISTING UTILITY LINE
- GENERATION TIE LINE
- EXISTING UTILITY RISER
- PROPOSED NEW RISER

**GOOSE PRAIRIE SOLAR + STORAGE 80.00MWAC - CONCEPT LAYOUT**  
SCALE: 1" = 400'

