

EXHIBIT C
FACILITY LOCATION
OAR 345-021-0010(1)(c)

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OAR 345-021-0010(1)(c) *Information about the location of the proposed facility, including:*

C.1 MAPS

OAR 345-021-0010(1)(c)(A) *A map or maps showing the proposed locations of the energy facility site, all related or supporting facility sites and all areas that might be temporarily disturbed during construction of the facility in relation to major roads, water bodies, cities and towns, important landmarks and topographic features, using a scale of 1 inch = 2000 feet or smaller when necessary to show detail.*

Response: Figure C-1 (Facility Layout) shows the proposed location of the Madras Solar Energy Facility (Facility), related or supporting facilities, and permanent and temporary disturbance areas using a scale of 1 inch = 500 feet.

C.2 LOCATION AND DISTURBANCE AREAS

OAR 345-021-0010(1)(c)(B) *A description of the location of the proposed energy facility site, the proposed site of each related or supporting facility and areas of temporary disturbance, including the total land area (in acres) within the proposed site boundary, the total area of permanent disturbance, and the total area of temporary disturbance. If a proposed pipeline or transmission line is to follow an existing road, pipeline or transmission line, the applicant shall state to which side of the existing road, pipeline or transmission line the proposed facility will run, to the extent this is known.*

Response: All Facility components will be located in Jefferson County, Oregon. The Facility site boundary encompasses portions of Sections 030 and 031, in Township 10 South and Range 13 East. The site is located just east of Lake Simtustus, south and west of Willow Creek, and approximately 0.5 mile from the eastern boundary of the Warm Springs Reservation. The Facility components will be located on private land for which Madras PV1, LLC (Applicant) has already negotiated an exclusive, long-term option to lease.

The Facility site boundary covers approximately 284 acres and encompasses the solar modules, 34.5-kilovolt collector lines, power conversion stations, Facility substation, point-of-interconnection switching station, batteries, operations and maintenance enclosure, and service roads, along with security fencing and gates. Construction laydown (also known as staging) areas will be located within the Facility site boundary.

The Facility is proposed with two distinct conceptual site plans showing the proposed general arrangement of buildings, equipment, and structures (see Figures C-2A and C-2B). The difference between the two site plans is the inclusion of a battery storage system. The Facility may be constructed and operate without any battery storage, which is shown in the site plan on Figure C-2A. Alternatively, the Facility may be developed with a battery storage system housed within a maximum of 120 battery storage containers. The maximum battery storage scenario with up to 120 battery storage containers is shown in the site plan on Figure C-2B. The constructed Facility may have an amount of battery storage in between the two scenarios presented on Figures C-2A and C-2B, but not more than the 120 battery storage containers shown on Figure C-2B.

For the purpose of analyzing potential impacts to resources, the Applicant has defined analysis areas based on this site boundary consistent with OAR 345-001-0010(2) and (59). The analysis areas are identified in each relevant Exhibit (for example, in Exhibit J, Wetlands, and Exhibit P, Fish and Wildlife Habitats and Species). The acres potentially impacted within the site boundary during construction and operation are reflected in Table C-1. Figure C-1 shows an area between the solar modules and perimeter fence that will be temporarily disturbed during construction but will not likely contain permanent fixtures, facilities, and equipment. However, this area is included as permanent disturbance to maximize flexibility in final design of the Facility, and is included in the permanent disturbance acreage for solar modules in Table C-1 below. The Applicant requests flexibility in the final orientation of Facility components within the site boundary during final design before the start of construction, provided that the permanently and temporarily disturbed acres outlined in Table C-1 are not exceeded.

The permanently disturbed acres shown in Table C-1 represent impacts during construction that will remain during operations, and the temporarily disturbed acres represent additional impacts

during construction. Temporarily disturbed acres will be restored following construction, and permanently disturbed acres will be restored following retirement.

Table C-1. Permanent and Temporary Disturbance

Disturbance Type	Permanently Disturbed (acres)	Temporarily Disturbed (acres)	Total Disturbed (acres)
Solar modules ^a	267.39	0	267.39
Facility substation	0.92	0	0.92
Point of interconnect switching station	0.06	0	0.06
Existing transmission line (Portland General Electric Pelton Dam to Round Butte 230-kV transmission line) ^b	0	4.78	4.78
O&M enclosure	0.01	0	0.01
Staging and laydown area	0.56	0	0.56
Access road segments	0.77	0.09	0.86
Perimeter fence ^c	0.47	1.90	2.37
Total	270.18	6.77	276.95

^a Solar module blocks assume the entire block will be cleared for construction and therefore permanently disturbed, even though the ground-coverage ratio is only 40.2 percent. This includes all areas for inverters and battery storage.

^b Disturbance in existing transmission line right-of-way is to account for construction vehicle access to both sides of the right-of-way.

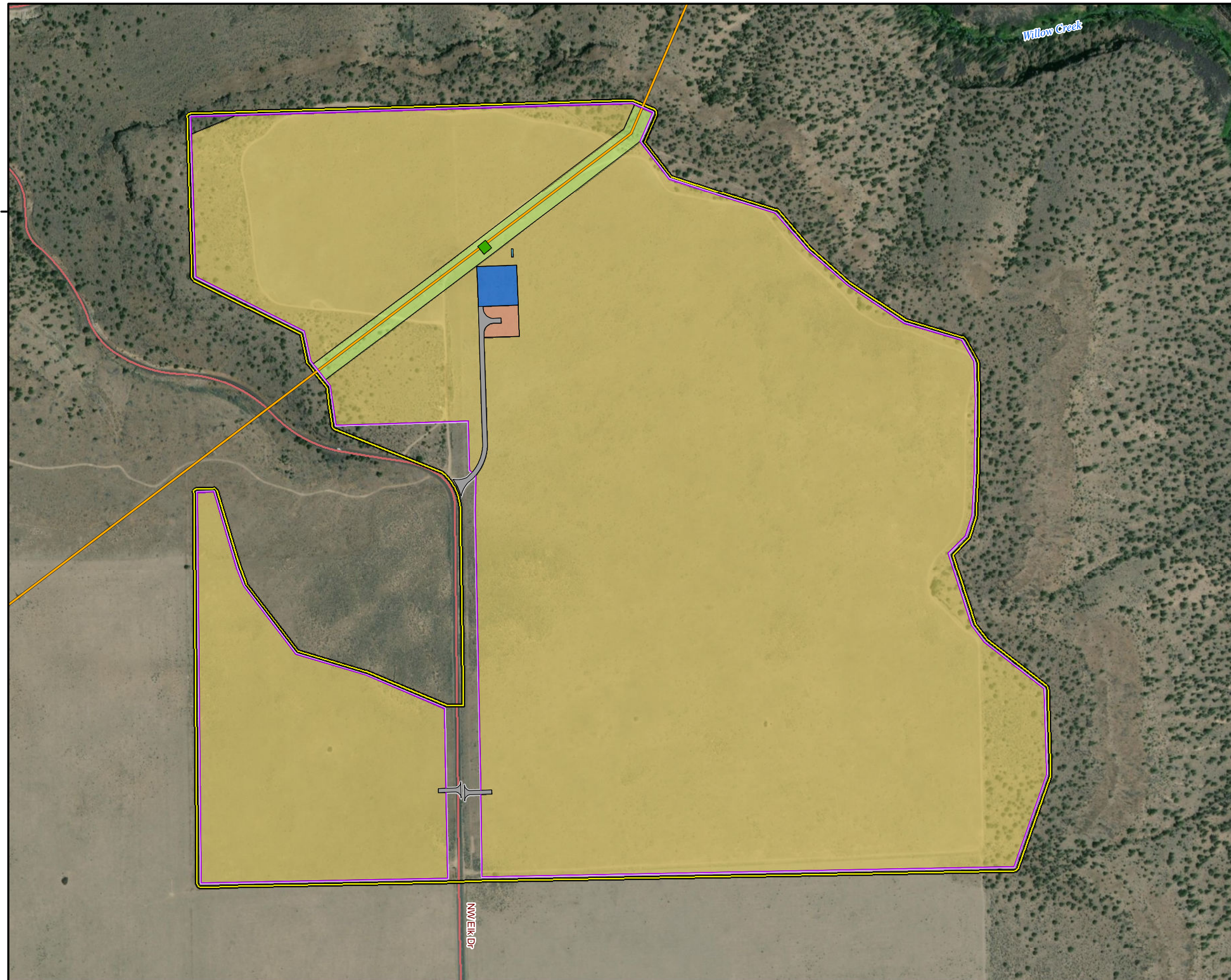
^c Perimeter fence assumes a permanent disturbance of 1 foot in width and 4 feet in width for temporary disturbance during fence installation.

C.3 RELATION TO OTHER ENERGY GENERATION FACILITIES

OAR 345-021-0010(1)(c)(C) *For energy generation facilities, a map showing the approximate locations of any other energy generation facilities that are known to the applicant to be permitted at the state or local level within the study area as defined in OAR 345-001-0010 for impacts to public services.*

Response: Figure C-3 shows the proposed location of the Facility in relation to other energy generation facilities within 10 miles.

Figures



- LEGEND**
- Madras Solar Energy Facility Site Boundary
 - Existing Pelton Dam to Round Butte 230-kV Transmission Line
 - Existing Road
 - Solar Modules, Power Conversion Stations, and Battery Storage (permanent disturbance)
 - Point of Interconnect (permanent disturbance)
 - Existing Transmission Line (temporary disturbance)
 - O&M Enclosure (permanent disturbance)
 - Substation (permanent disturbance)
 - Staging and Laydown Area (permanent disturbance)
 - Access Road (permanent disturbance)
 - Access Road (temporary disturbance)
 - Perimeter Fence (permanent disturbance)
 - Perimeter Fence (temporary disturbance)

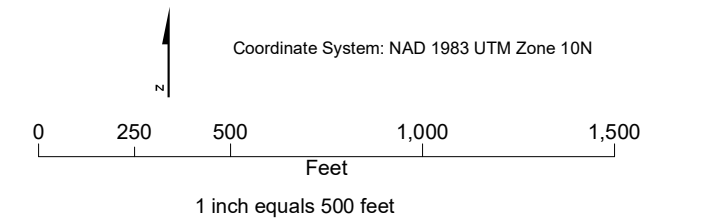


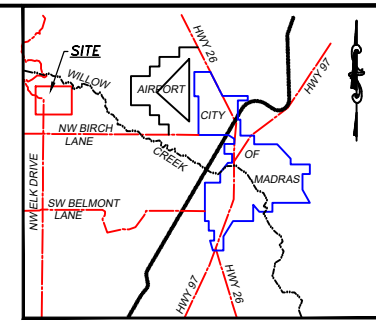
Figure C-1
 Facility Layout
 Application for Site Certificate
 Madras Solar Energy Facility
 Jefferson County, OR

GENERAL PROJECT INFORMATION	
PROJECT NAME:	MADRAS PV1
PROJECT ADDRESS:	LAT.: 44.65°, LON.: -121.25°
DEVELOPER NAME:	ECOPLEXUS
DEVELOPER ADDRESS:	101 2ND ST., STE. 1250, SAN FRANCISCO, CA 94105
GENERAL SYSTEM INFORMATION	
MODULE:	HANWHA Q.PEAK DUO L-G5.2 400
QUANTITY:	177,498
INVERTER:	SMA SUNNY CENTRAL 4000-UP-US
QUANTITY:	19
MOUNTING SYSTEM:	TBD
MOUNTING SYSTEM TYPE:	SINGLE AXIS TRACKING, 60° TILT, 90° AZIMUTH, 40.2% GCR
SYSTEM SIZE (DC):	71.0 MW
SYSTEM SIZE (AC):	63.0 MW
UTILIZED AREA:	274.9 ACRES

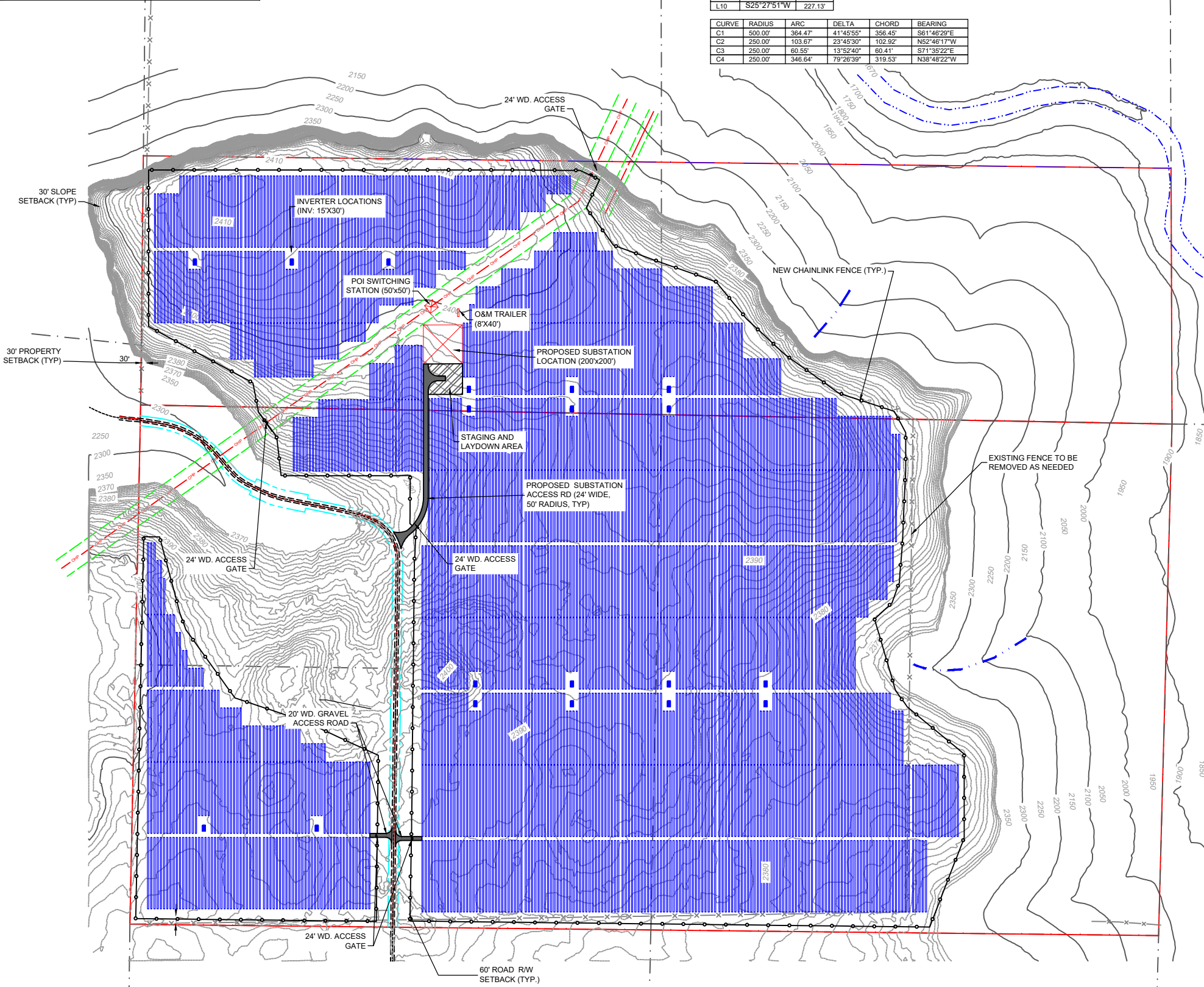
DESIGN BASIS DIMENSIONS	
SOLAR PV MODULE:	1960 x 991 x 40 mm, 22.5 kg
TRACKER TABLE (STOWED):	1960 mm WIDE, 4.5 FT TALL, UP TO 400 FT LONG
TRANSFORMER PAD:	20 x 40 x 10 FT TALL, MAXIMUM DIMENSIONS
SUBSTATION:	300 x 300 FT MAXIMUM DIMENSIONS
HEIGHT WILL COMPLY WITH LOCAL CODES	
GENERATOR TIE LINES:	HEIGHT WILL COMPLY WITH LOCAL CODES
O & M BUILDING:	1 DRY STORAGE BUILDING 8 x 40 x 8.5 FT HIGH

LINE	BEARING	DISTANCE
L1	N82°39'27"W	82.82'
L2	N40°53'32"W	112.34'
L3	N64°39'02"W	121.89'
L4	N78°31'42"W	409.74'
L5	N00°54'57"E	765.34'
L6	S00°42'40"W	1105.30'
L7	N89°18'07"W	162.54'
L8	S25°26'39"W	297.31'
L9	N89°18'07"W	164.97'
L10	S25°27'51"W	227.13'

CURVE	RADIUS	ARC	DELTA	CHORD	BEARING
C1	500.00'	384.47'	41°45'55"	356.45'	S61°46'29"E
C2	250.00'	103.67'	23°45'30"	102.92'	N52°46'17"W
C3	250.00'	60.55'	13°52'40"	60.41'	S71°35'22"E
C4	250.00'	346.64'	79°26'39"	319.53'	N38°48'22"W



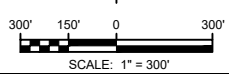
VICINITY MAP
NOT TO SCALE



LEGEND & SYMBOLS

- SECTION OR SECTION SUBDIVISION LINE
- PARCEL BOUNDARY
- ROADWAY CENTERLINE
- RIGHT OF WAY BOUNDARY
- EASEMENT BOUNDARY
- x-x-x-x-x-x-x-x-x-x- EXISTING FENCE LINE
- OVERHEAD POWER LINE
- EDGE OF ASPHALT ROAD
- EDGE OF DIRT ROAD
- ONSITE STREAM DETERMINED BY OTHERS
- 10-FOOT CONTOUR LINE
- 100-FOOT CONTOUR LINE
- UTILITY POLE
- FOUND MONUMENT AS NOTED

NOTE:
THIS MAP OR PLAT AND THE SURVEY PROVIDED BY PBS ENGINEERING AND ENVIRONMENTAL INC., BY GREG E. FLOWERS, ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 8, 9, 11, 13, 18, AND 20 OF TABLE A THEREOF. THE FIELD WORK WAS BEGUN ON OCTOBER 25, 2018, AND CONCLUDED ON NOVEMBER 7, 2018. DATE OF PLAT OR MAP: FEBRUARY 1, 2019



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San Francisco, CA 94105
Ph: 415-629-1802
F: 415-449-3486

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

FIGURE C-2A

REV	DATE	DESCRIPTION
A	07/02/2019	INITIAL LAYOUT
B	07/19/2019	SETBACK AND ACCESS ROAD REV
C	07/23/2019	60' ROAD SETBACK, ADDED RACKS
D	07/31/2019	MOVED SUB LOCATION & ACCESS RD

MADRAS PV1
JEFFERSON COUNTY
OREGON

CIVIL REVIEW:	JH
DEV. REVIEW:	NR
DESIGNED BY:	BAB
DRAWN BY:	BAB
SCALE:	1" = 300'
DATE:	10/01/2019

DRAWING DESCRIPTION:
CONCEPTUAL SITE PLAN WITHOUT BATTERY STORAGE

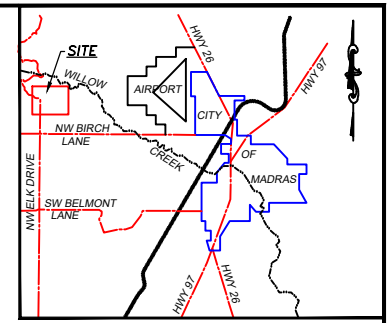
LEVEL C
DRAWING NO:
PV1.1

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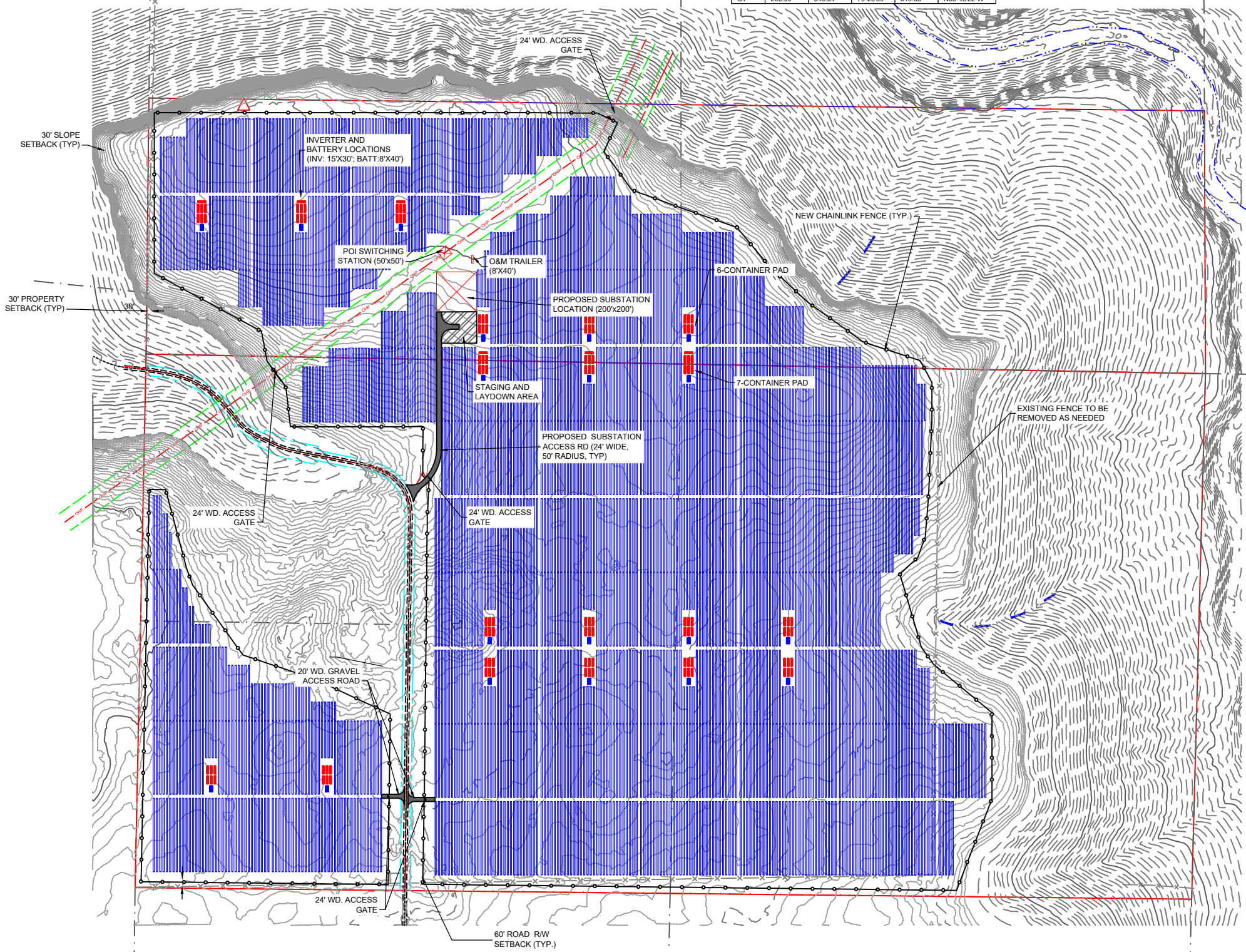


VICINITY MAP
NOT TO SCALE

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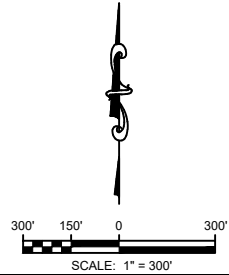
FIGURE C-2B



LEGEND & SYMBOLS

- SECTION OR SECTION SUBDIVISION LINE
- PARCEL BOUNDARY
- ROADWAY CENTERLINE
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- EASEMENT BOUNDARY
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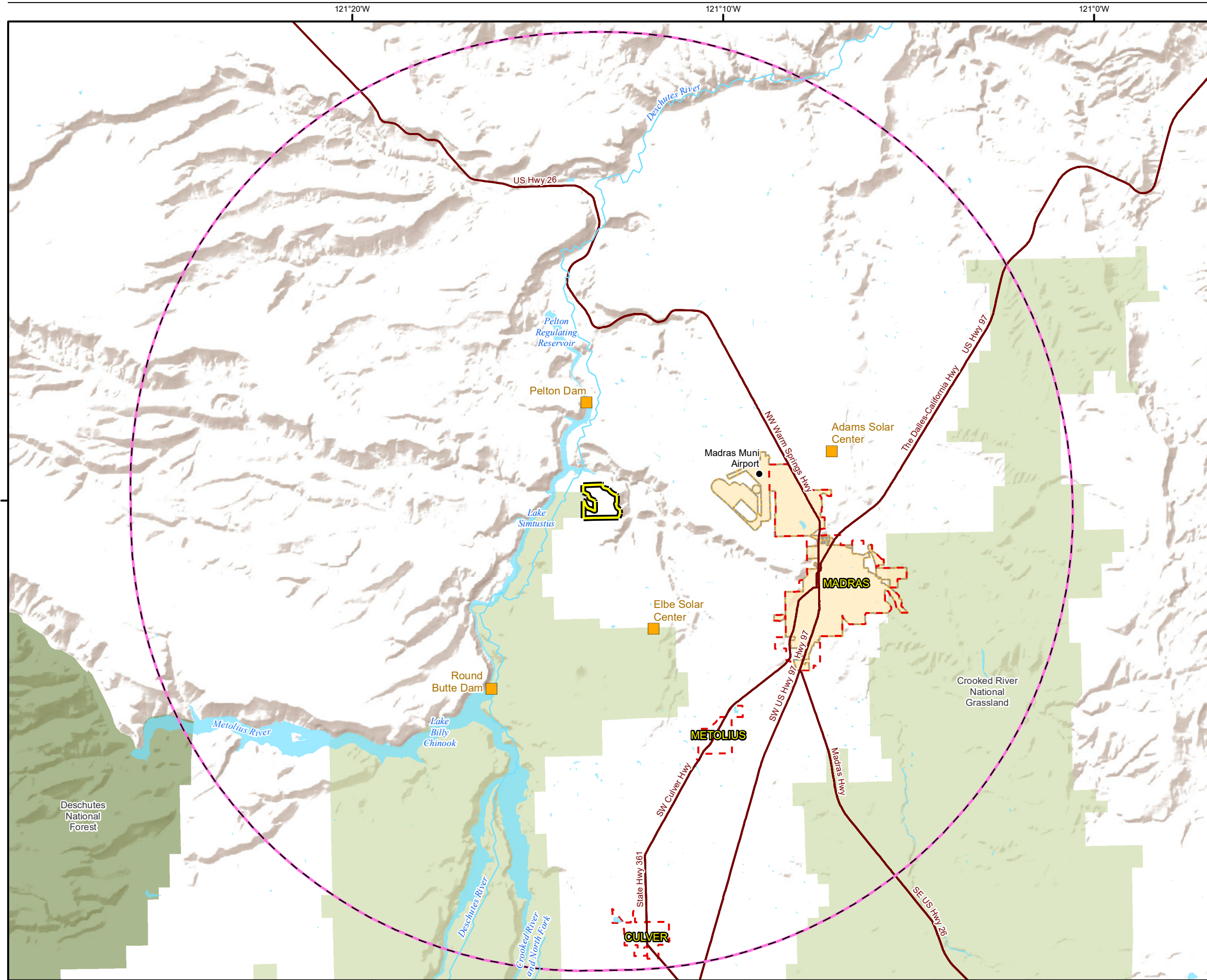
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C	07/23/2019	60' ROAD SETBACK, ADDED RACKS
D	07/31/2019	MOVED SUB LOCATION & ACCESS RD
E	08/27/2019	ADDED BATTERY BANKS

MADRAS PV1
 JEFFERSON COUNTY
 OREGON

CIVIL REVIEW:	JH
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DRAWN BY:	BAB
SCALE:	1" = 300'
DATE:	10/1/2019

DRAWING DESCRIPTION:
 CONCEPTUAL SITE PLAN
 WITH MAXIMUM
 BATTERY STORAGE

LEVEL C
 DRAWING No: **PV1.1**



LEGEND

- Madras Solar Energy Facility Site Boundary
- Scenic and Aesthetic Resources and Public Services Areas (10-mile)
- Energy Generation Facility
- City of Madras City Limits
- Urban Growth Boundary
- Major Highway
- Existing Road
- Watercourse
- Waterbody
- Airport/Heliport
- National Forest
- National Grassland

Coordinate System: NAD 1983 UTM Zone 10N
 Data Sources: Site Boundary, City Limits, Urban Growth Boundary; Jefferson County 2018; National Forest/Grassland; US Forest Service 2013; National Wilderness Area; Wilderness Connect; ESRI ArcGIS online; Airport: US Dept of Transportation;

0 1 2 4
Miles

1 inch equals 2.16 miles

Figure C-3
 Other Permitted Energy Generation Facilities
 Application for Site Certificate
 Madras Solar Energy Facility
 Jefferson County, OR