

Appendix E
Preliminary Project Layout

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GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR PERIMETER FENCE AND GATES.

LEGEND

- MV FEEDER LINES
- SITE FENCE
- SETBACKS
- POWER CONVERSION STATION (PCS)
- MV SECTIONALIZER CABINET
- WETLANDS
- TEMPORARY CONSTRUCTION LAYDOWN
- SOLAR ARRAY BUILDABLE AREA

SYSTEM SUMMARY

TOTAL DC CAPACITY (MW DC)	74.17
TOTAL AC CAPACITY (MW AC)	66.0 (AT INVERTER) 50.0 (AT POI)
LOADING RATIO DC/AC	1.124 (AT INVERTER) 1.483 (AT POI)
MODULE (Wp)	CANADIAN SOLAR CS7N-710TB-AG (710Wp)
MODULE QUANTITY	104,463
STRING QUANTITY	3,869
MODULES PER STRING	27
INVERTER (RATING)	SUNGROW SG4400UD-MV-US (4,400kVA)
INVERTER QUANTITY	15
TRANSFORMER	4,400kVA, 34.5kV-0.645kV
TRANSFORMER QUANTITY	15
TOTAL PCS QUANTITY	15
TRACKER (CONFIGURATION)	NEXTRACKER
AZIMUTH	180°
GROUND COVER RATIO	40.0%
PITCH (FT)	19.6 FT
CLEAR ROW SPACING (FT)	11.8 FT



ISSUE	DATE	DESCRIPTION
A	08/20/2024	FOR PERMIT APPLICATION

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REVIEWED BY:	ANDREW KANER, PE
PROJECT NUMBER	10404140

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
OR RECORDING.

OTTER TAIL POWER
SOLWAY SOLAR

CONCEPTUAL LAYOUT

FILENAME	C100.dwg	SHEET
SCALE	1" = 300'	C100