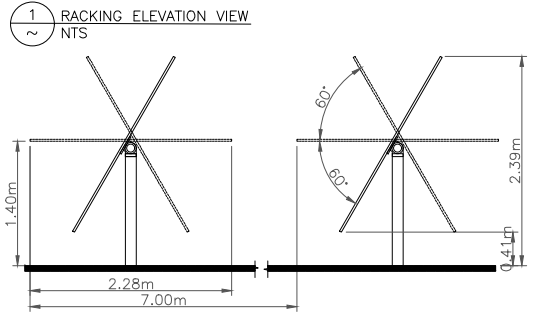




TO SUBSTATION 15S — FORT MACLEOD

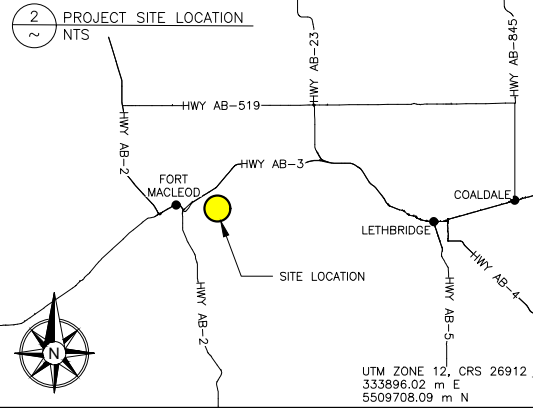
SITE DETAILS	
FENCED AREA (ACRES)	~119
RACKING TYPE	1P SAT
PITCH	7.0m
MODULES PER STRING	24
NO. 3 STRING TRACKERS	611
NO. 2 STRING TRACKERS	110
NO. 1 STRING TRACKERS	154
RATED MODULE OUTPUT (W)	570
MODULE QUANTITY	52,968
INVERTER RATING (kVA)	4,400
INVERTER QUANTITY	6
DC CAPACITY (MWdc)	30.19
INVERTER CAPACITY (MVA)	26.40
INVERTER OVERBUILD	1.14
GRID CAPACITY (MWac)	22.30
GRID OVERBUILD	1.35
GROUND COVERAGE RATIO	0.3254

- LEGEND:
- SOLAR MODULES C/W TRACKER
 - INVERTER / TRANSFORMER STATION
 - SWITCHING STATION AREA (50m x 50m)
 - LAYDOWN AREA (50m x 50m)
 - INTERNAL ACCESS ROAD (6m WIDTH)
 - CLASS I WETLAND (NO SETBACK)
 - PROPERTY FRONTING ROADWAY / SETBACK (45.7m)
 - PROPERTY NOT FRONTING ROADWAY SETBACK (30.5m)
 - FOOTE PROPERTY LINE SETBACK (100m)
 - ACTIVE OIL & GAS WELL SETBACK (100m)
 - RESIDENCE SETBACK (152.4m)
 - PROJECT FENCELINE
 - TRANSMISSION LINE / ROW (60m)
 - UG MV COLLECTOR ROUTE (~1m WIDE TRENCH)
 - GATE



- ADDITIONAL NOTES:
- POWER FACTOR IS 0.93 AS PER FORTIS DER HIGH LEVEL STUDY PROVIDED BY CLEM GEO, DATED FEBRUARY 21, 2023.
 - GRID CAPACITY LIMIT IS 22.3 MW AS PER FORTIS DER HIGH LEVEL STUDY PROVIDED BY CLEM GEO, DATED FEBRUARY 21, 2023.
 - UNDERGROUND MEDIUM VOLTAGE (MV) COLLECTOR ROUTING FOR INDICATIVE PURPOSES ONLY. ROUTING AND LOCATION SUBJECT TO FUTHER REVIEW.
 - UNDERGROUND LOW VOLTAGE CABLE ROUTING NOT SHOWN.
 - MODULE TYPE: LONGI 570W (LR5-72HGD-570M BIFACIAL)
 - TRACKER TYPE: NEXTRACKER NX HORIZON
 - INVERTER TYPE: SUNGROW 4400kVA (SG4400UD-MV)

ISSUED FOR REVIEW - NOT FOR CONSTRUCTION



B	ISSUED FOR REVIEW	JK	JC	JG	2024/08/28
A	ISSUED FOR REVIEW	JK	JC	JS	2024/03/18
REV:	DESCRIPTION:	BY:	CHK:	DATE:	

STATUS: REVIEW

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CLIENT: **CLEM GEO-ENERGY CORP.**

PROJECT: **RADIANT DAWN ENERGY PARK**

DRG TITLE: **SITE PLAN**

DATE:	2024/08/28	DRAWN BY:	JK	CHECKED BY:	JG	APPROVED BY:	
SCALE:	1:2000	PROJECT DRAWING NUMBER:	24012-ELE-LAY-0001				B