

- Legend**
- Study Area
 - Railway
 - Freeway
 - Major Road
 - Collector Road
 - Minor Road
 - Walking Track
 - Minor Watercourse
 - Permanent Waterbody
 - Parks and Reserves
 - Crown Land
 - Localities

ADVERTISED PLAN

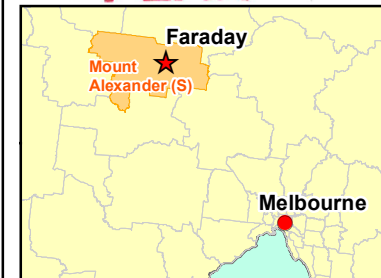
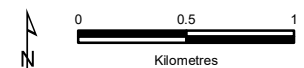


Figure 1
Location of the study area
Ecological Assessment for the proposed Faraday Solar Farm, 3040 Harmony Way, Faraday



Map Scale: 1:35,000 @ A4
 Coordinate System: GDA2020 MGA Zone 55



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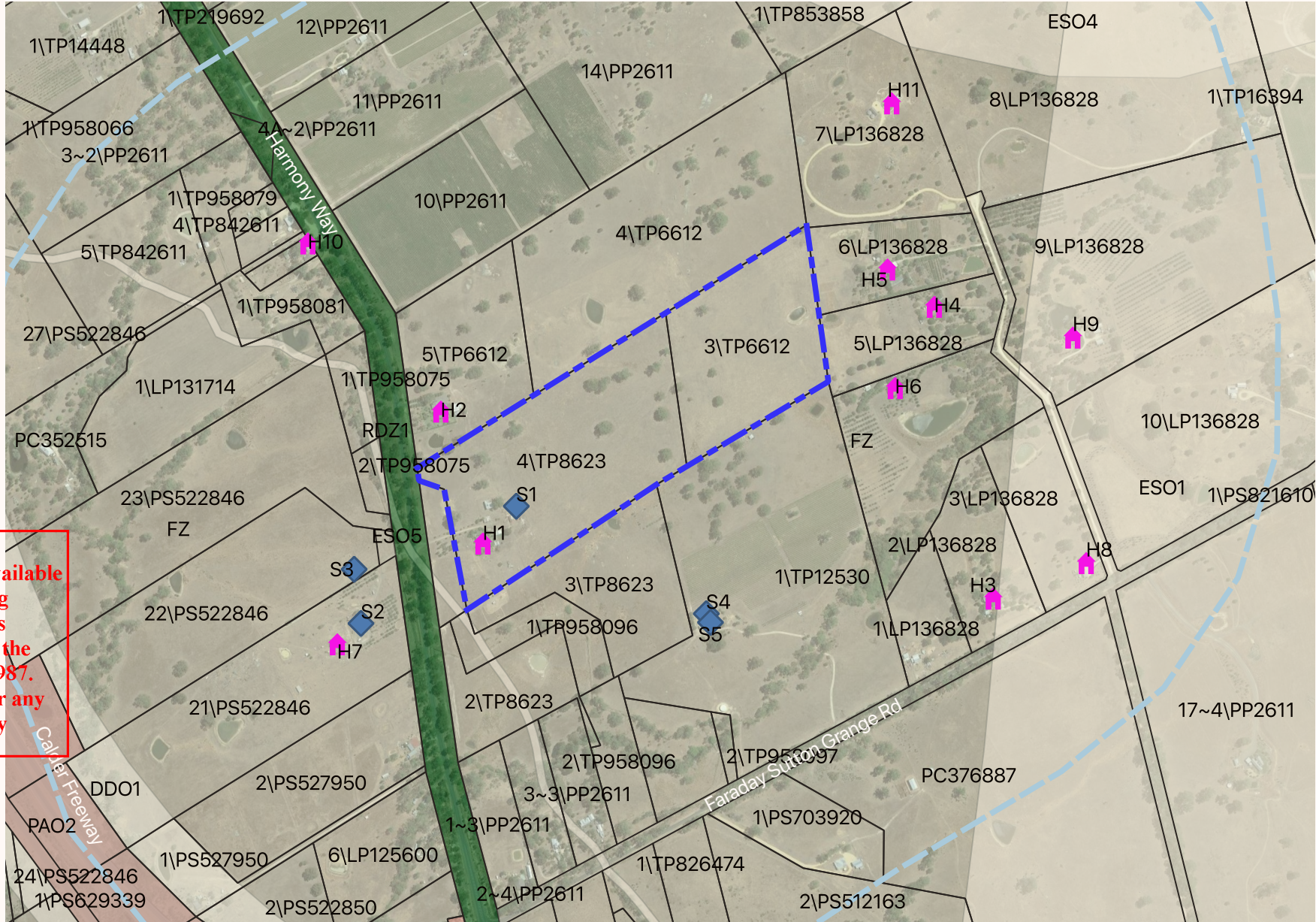
www.energyforms.com.au

Lot boundaries and title details

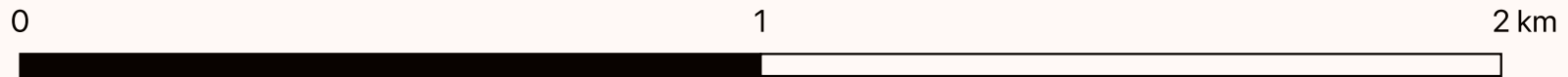
Faraday Solar farm
3040 Harmony Way,
Faraday

- STUDY SITE
- DWELLINGS
- SHEDS
- Buffer 1km

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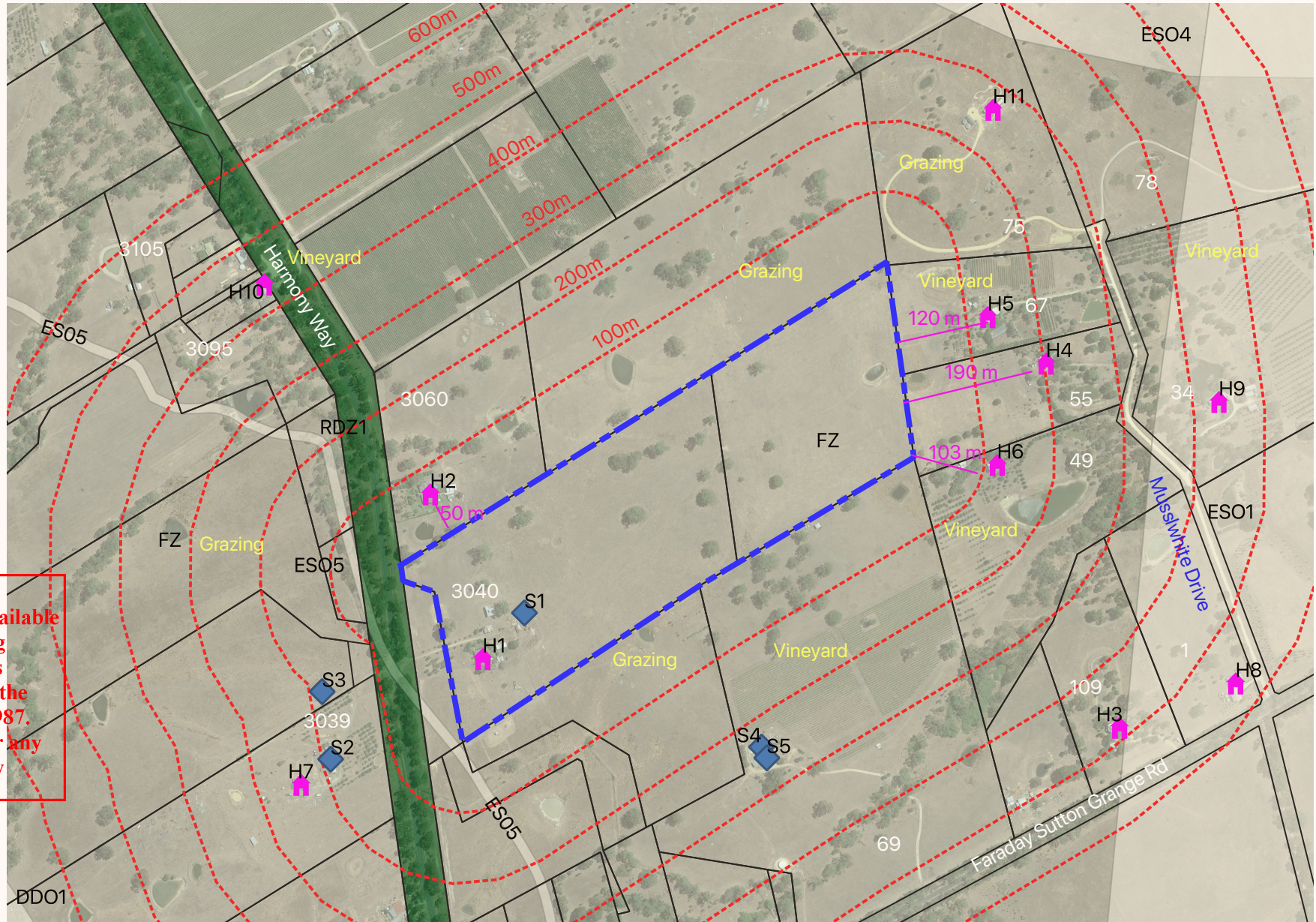


Surrounding Land uses, addresses and setbacks

Faraday Solar farm
3040 Harmony Way,
Faraday

- STUDY SITE
- DWELLINGS
- SHEDS

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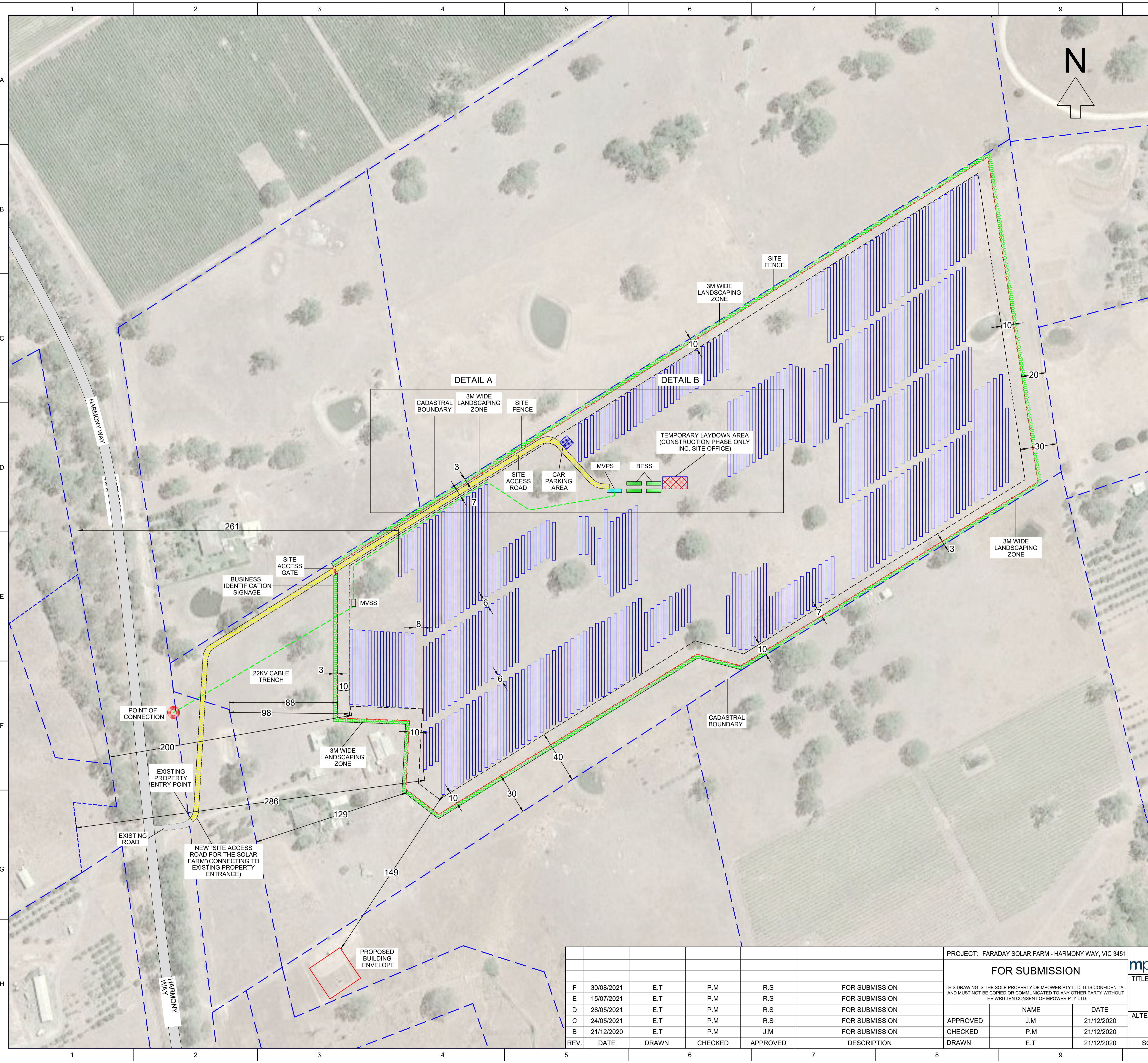


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ADVERTISED PLAN





GENERAL NOTES: 1. LAYOUT AND SITE BOUNDARY BASED ON APPROXIMATE SATELLITE IMAGE NOT ACTUAL SURVEY DATA

PROJECT SPECIFICATIONS		
AC CAPACITY AT POINT OF CONNECTION	4.95	MWac
INSTALLED AC CAPACITY	4.95	MWac
DC CAPACITY AT STC	7.13	MWdc
DC:AC RATIO	1.44	
TRACKER CONFIGURATION	1P	
3-STRING TRACKER DIMENSIONS(75 MODULE)	92*2.47	m
2-STRING TRACKER DIMENSIONS(50 MODULE)	61*2.47	m
1-STRING TRACKER DIMENSIONS(25 MODULE)	31*2.47	m
TRACKER PITCH	5	m
TRACKER AZIMUTH	0	Deg
INVERTER CAPACITY	4.95	MWac
MODULE TYPE	Mono Bi-Facial	
MODULE POWER	600	W
MODULES PER STRING	25	
MODULES PER TRACKER	25/50/75	
TOTAL PCU WITH 2 INVERTER	1	
TOTAL INVERTER	2	
TOTAL TRACKERS(75 MODULE)	16	
TOTAL TRACKERS(50 MODULE)	181	
TOTAL TRACKERS(25 MODULE)	65	
TOTAL MODULES	11875	
FENCE AREA	14.2	Ha
SITE PERIMETER	1735	m
HEIGHT OF MODULES AND TRACKERS	MAX 2.85	m
HEIGHT OF PCU WITH 2 INVERTER	2.9	m
FENCE HEIGHT	2.3	m

LEGEND:

- SITE ACCESS GATE
- CAR PARKING AREA
- LAYDOWN AREA
- MVPS (MEDIUM VOLTAGE POWER STATION)
- BESS (BATTERY ENERGY STORAGE SYSTEM)
- MVSS (MEDIUM VOLTAGE SWITCHING STATION)
- SITE ACCESS ROAD
- SITE PERIMETER LANDSCAPING ZONE
- POINT OF CONNECTION
- CADASTRAL BOUNDARY
- SITE FENCE
- PV ARRAY SETBACK LINE
- MV CABLE TRENCH
- DIMENSION (M)
- EXISTING ROAD

ADVERTISED PLAN

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F	30/08/2021	E.T	P.M	R.S	FOR SUBMISSION
E	15/07/2021	E.T	P.M	R.S	FOR SUBMISSION
D	28/05/2021	E.T	P.M	R.S	FOR SUBMISSION
C	24/05/2021	E.T	P.M	R.S	FOR SUBMISSION
B	21/12/2020	E.T	P.M	J.M	FOR SUBMISSION

NAME	DATE
APPROVED J.M	21/12/2020
CHECKED P.M	21/12/2020
DRAWN E.T	21/12/2020

PROJECT: FARADAY SOLAR FARM - HARMONY WAY, VIC 3451

FOR SUBMISSION

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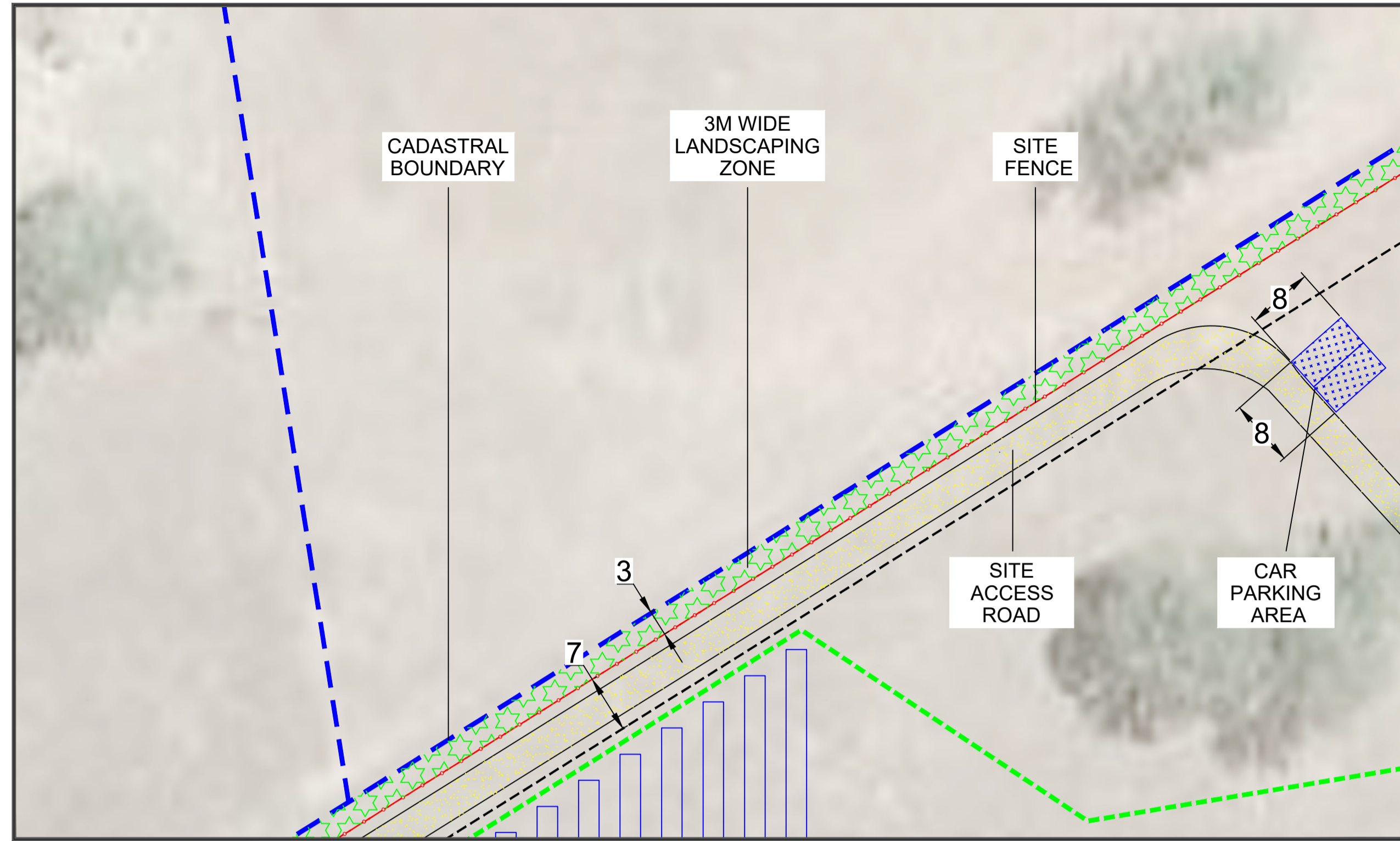
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ALTERNATE DRAWING NUMBER: _____ DRAWING NUMBER: **JM2010010-B01-01**

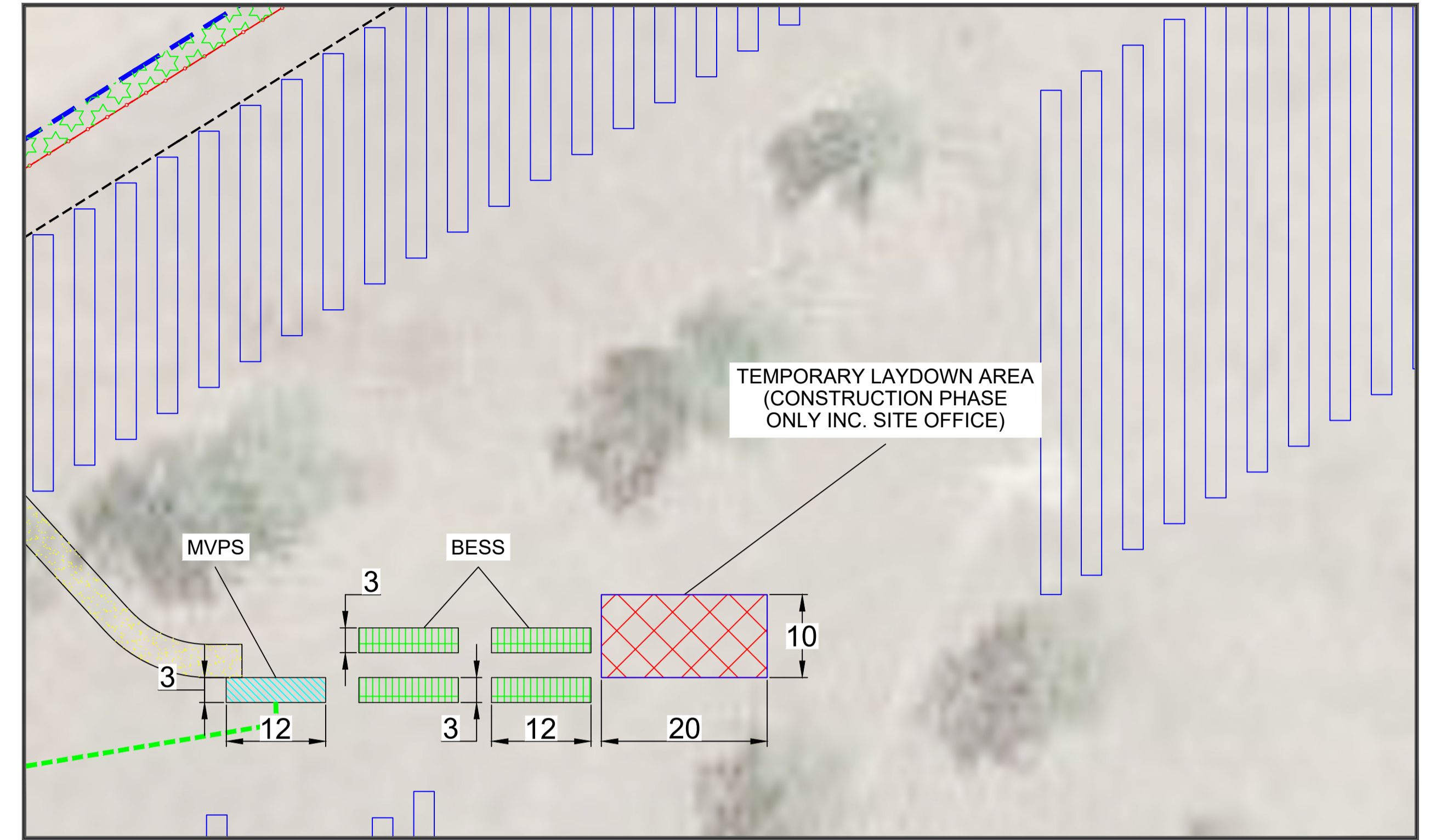
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A1

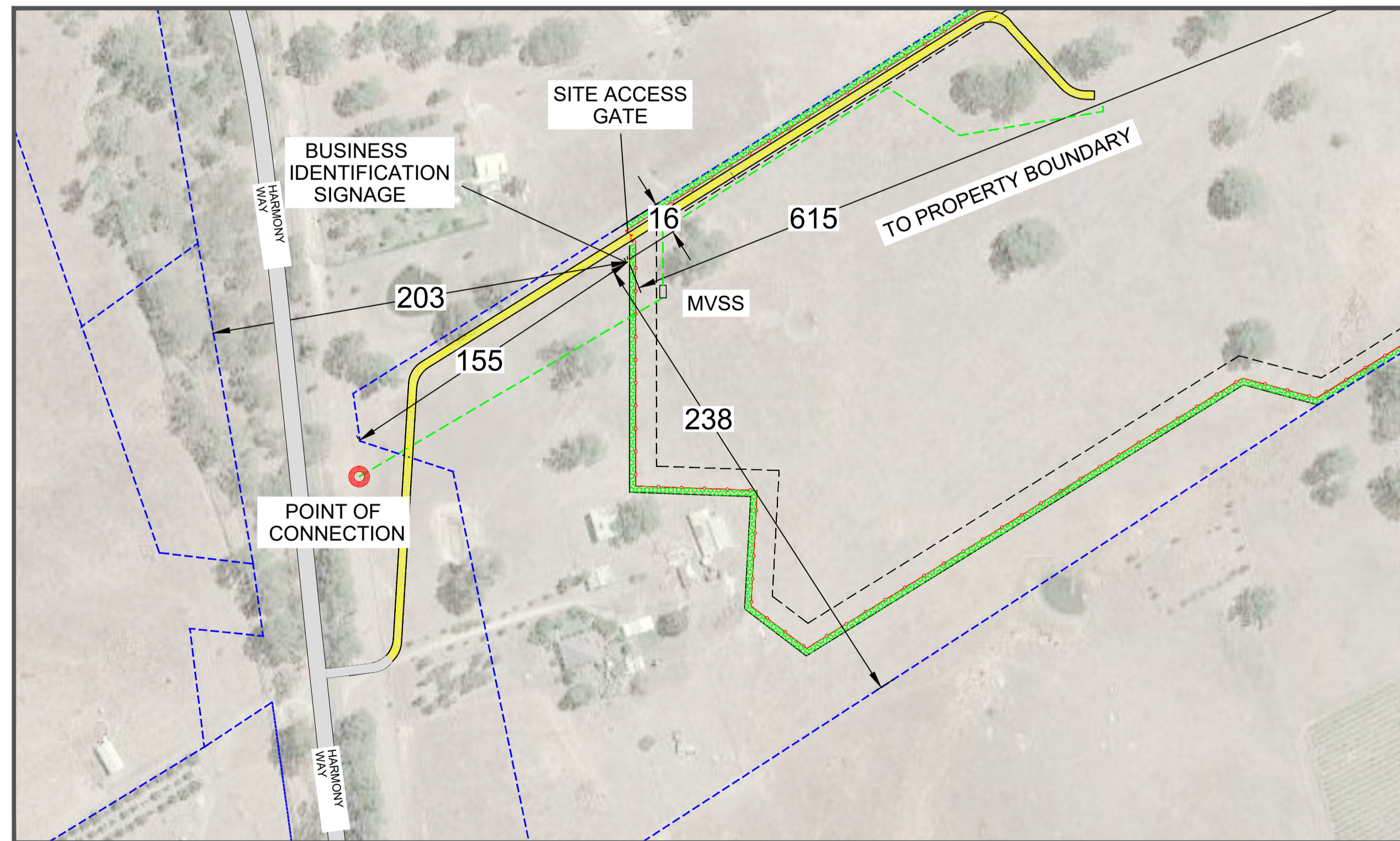
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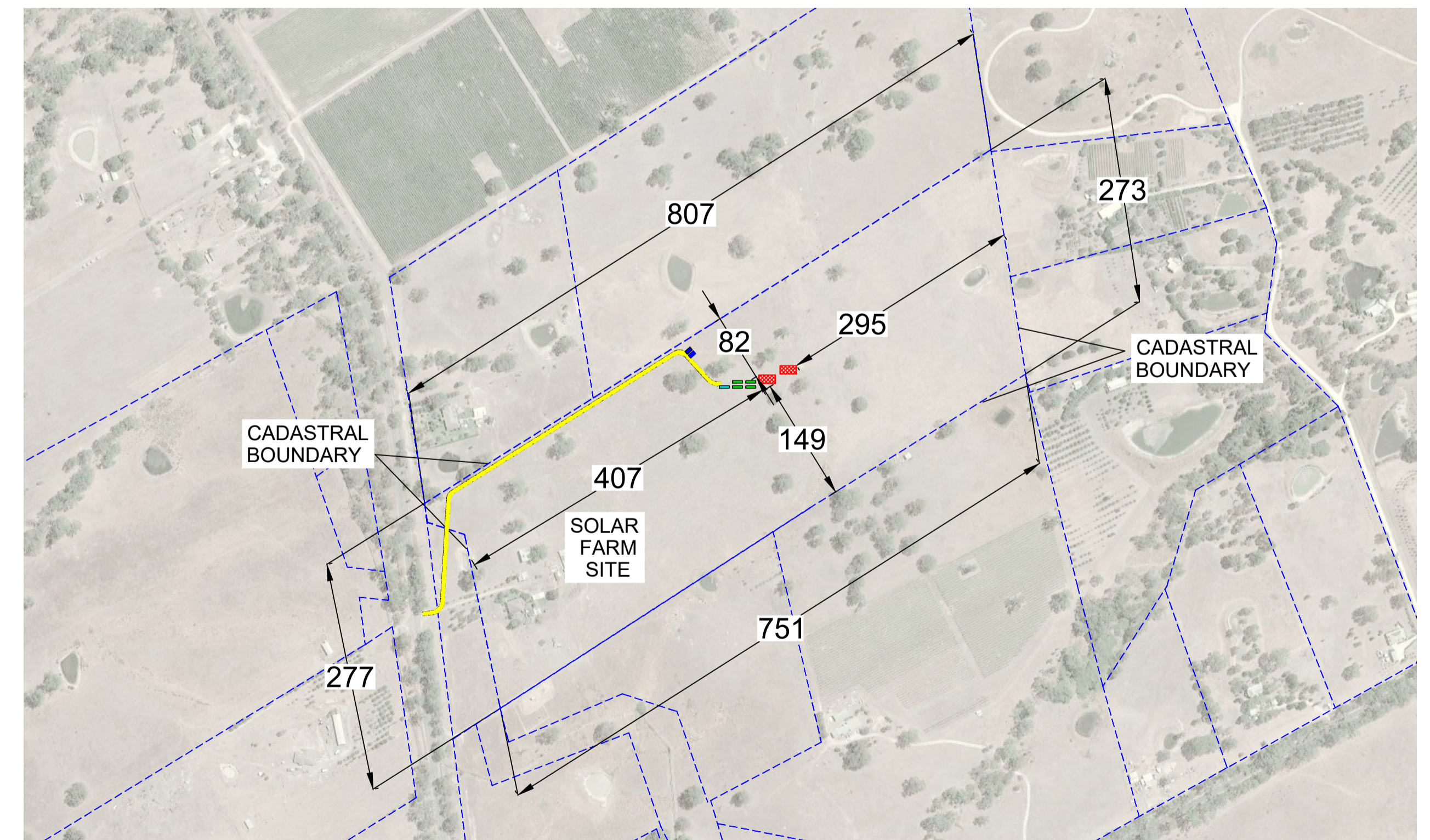
DETAIL A



DETAIL B



GATE DETAIL



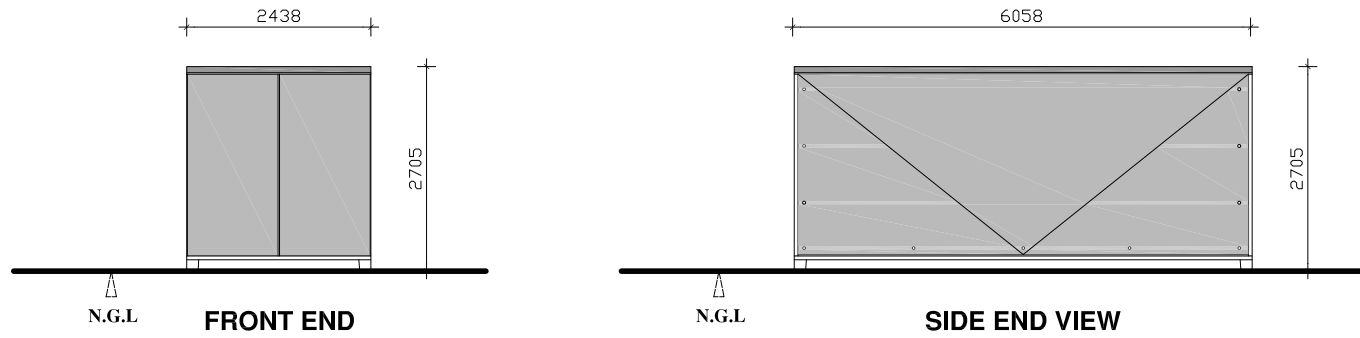
SITE DIMENSIONS

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D	28/05/2021	E.T	P.M	R.S	FOR SUBMISSION	P.M	21/12/2020
C	24/05/2021	E.T	P.M	R.S	FOR SUBMISSION	E.T	21/12/2020
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TITLE: SITE LAYOUT AND DETAIL				ALTERNATE DRAWING NUMBER:	
				DRAWING NUMBER: JM2010010-B01-01	
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				REVISION: F	

Planning Issue



Typical Power Conditioning Unit 1:100

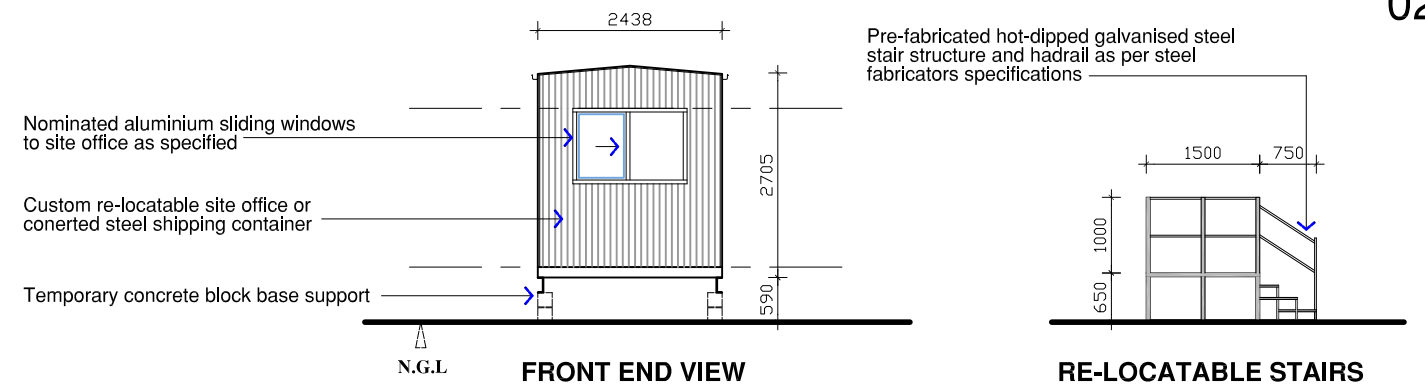


Power Conditioning unit

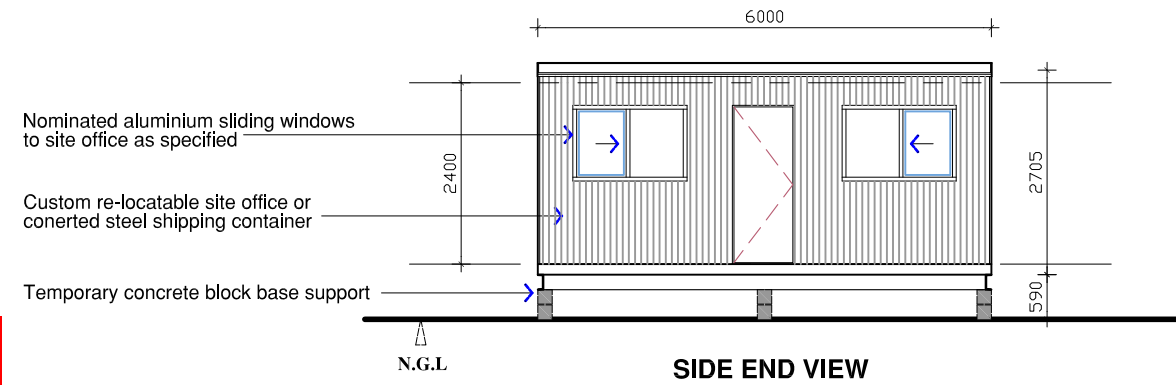


Typical Battery storage unit

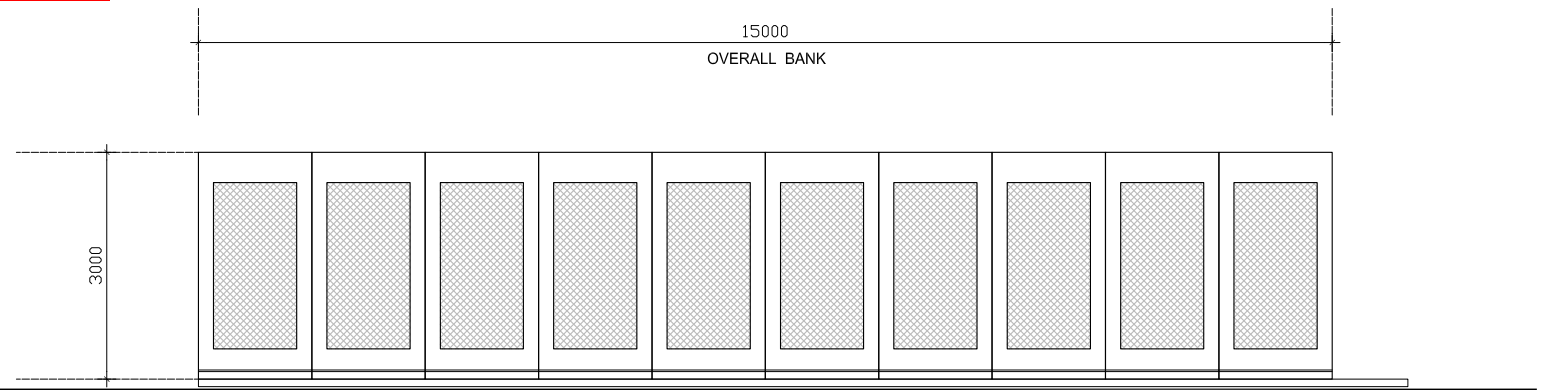
Typical Site Office 1:100



Typical Site Office 1:100



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Typical Battery Storage Bank 1:100

Client:
Tetris Energy Pty Ltd

Project:
Proposed Solar Array Project

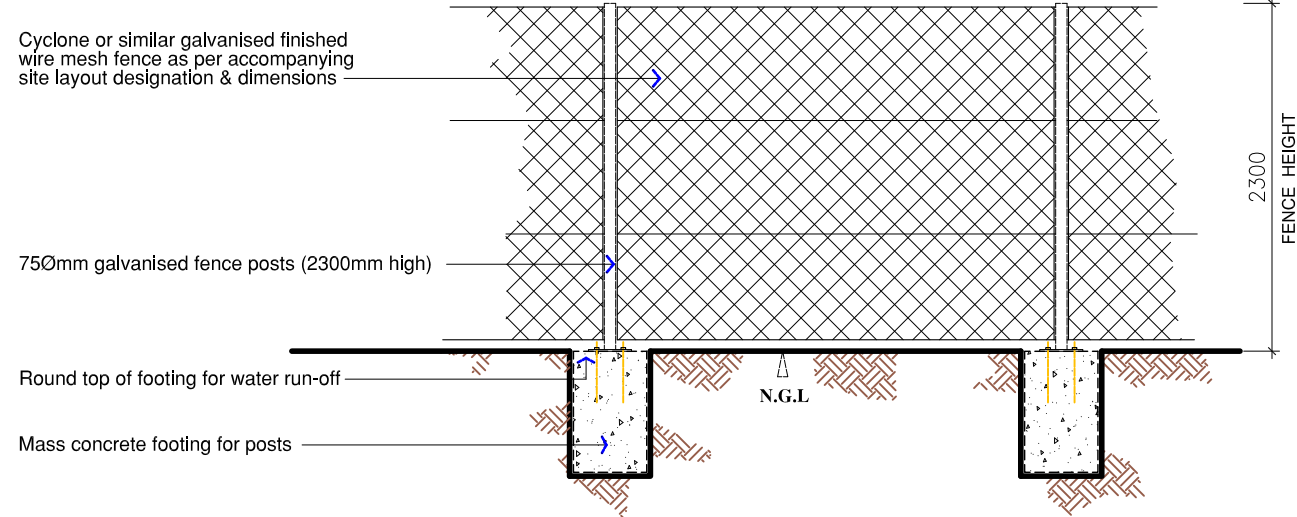
Project Address:
No. 3040 Harmony Way, Faraday 3451

M 0439 722 782 DP-AD 38695 Reg
dennis@arkgroupdeslgn.com.au

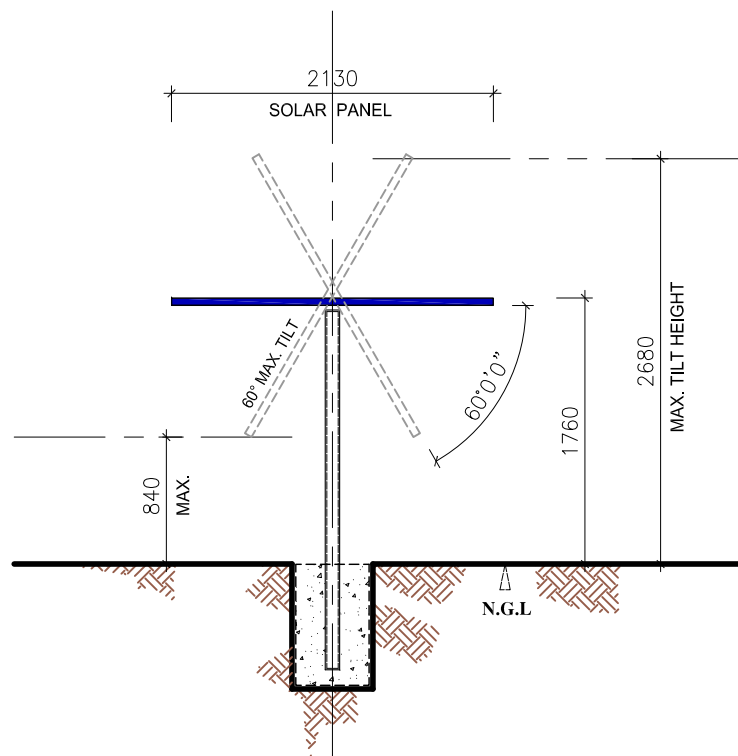


Revision:			
Scale			
A3	1:50 1:100	Date	16/03/2021
Drawing Issue:	02 of 02	A - 160321	

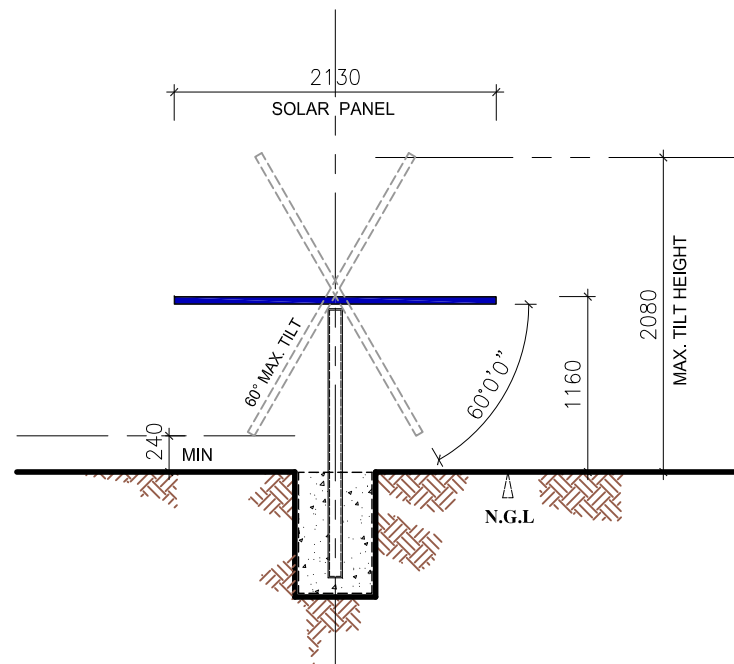
Planning Issue



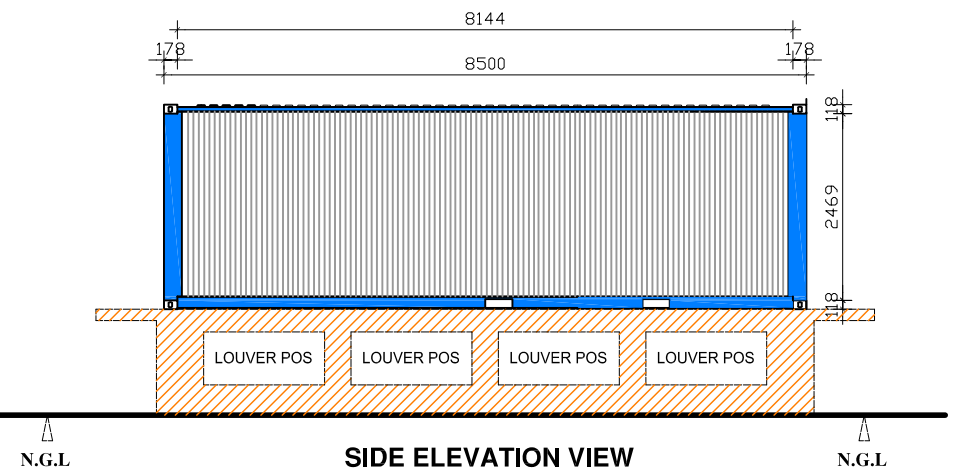
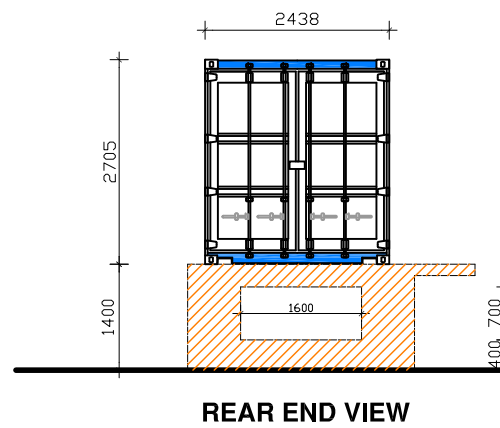
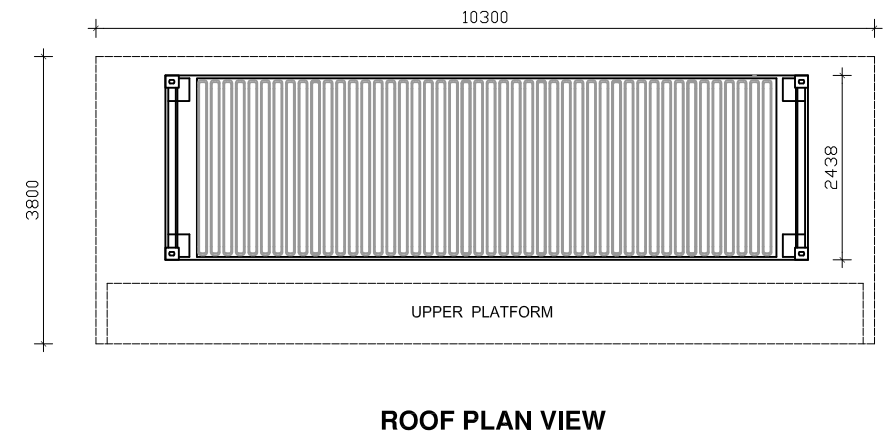
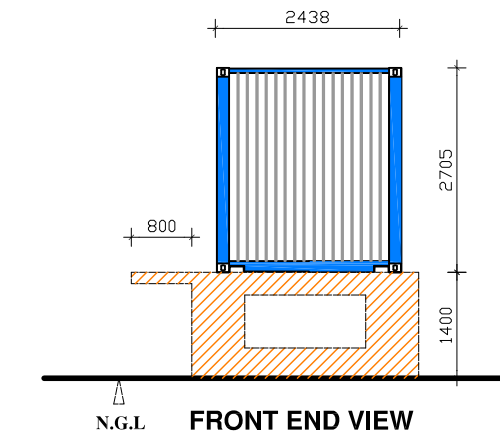
Proposed security fence section 1:50



Typical tracker elevation 1:50

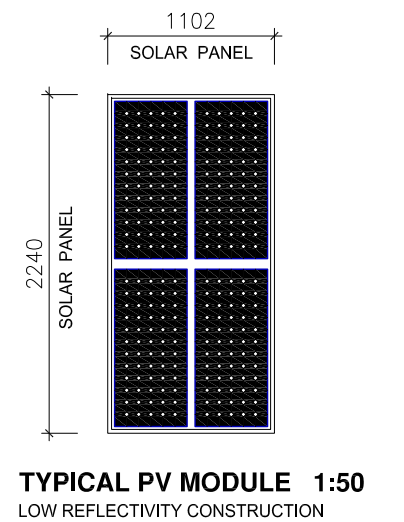


Typical tracker elevation 1:50



RG Unit storage container 1:100

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Client:
TetrIs Energy Pty Ltd

Project:
Proposed Solar Array Project

Project Address:
No. 3040 Harmony Way, Faraday 3451

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dennis@arkgroupdesign.com.au



Revision:			
Scale:			
A3	1:50 1:100	Date	16/03/2021
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ADVERTISED PLAN

Faraday Solar Farm – Site signage details

Dimensions	1m x 1.5m (maximum)
Text	Safety details, emergency contact, and logo.
Colours	Matt white background with black text. Safety symbols will be either red or yellow depending on hazard. Logo will be green and grey.
Materials	Either corflute or thin aluminium
Illumination	None
Supporting structures	Cable ties to fence

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