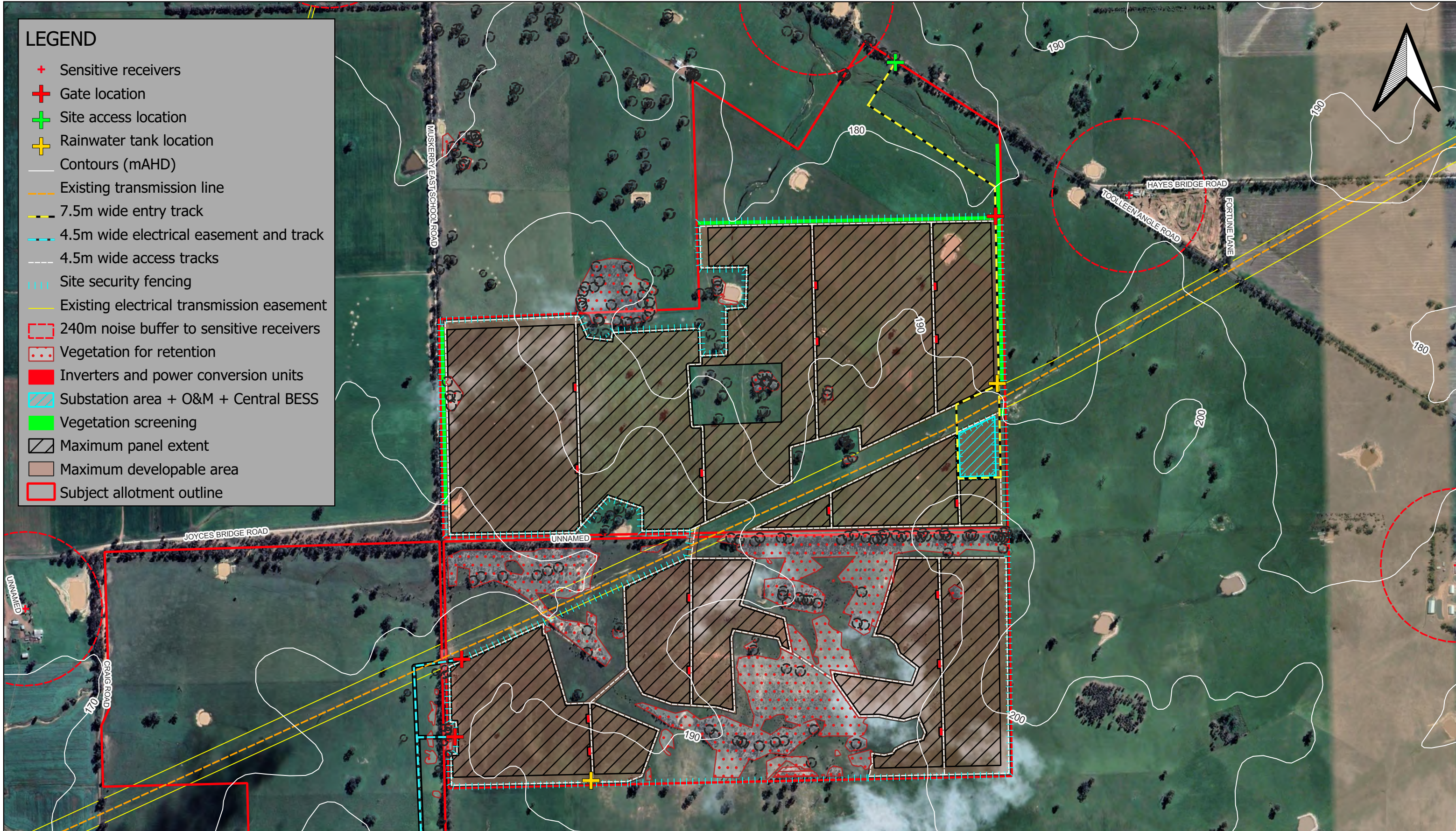


APPENDIX A PROPOSAL PLANS

LEGEND

- + Sensitive receivers
- + Gate location
- + Site access location
- + Rainwater tank location
- Contours (mAHD)
- Existing transmission line
- 7.5m wide entry track
- 4.5m wide electrical easement and track
- 4.5m wide access tracks
- Site security fencing
- Existing electrical transmission easement
- 240m noise buffer to sensitive receivers
- Vegetation for retention
- Inverters and power conversion units
- Substation area + O&M + Central BESS
- Vegetation screening
- Maximum panel extent
- Maximum developable area
- Subject allotment outline

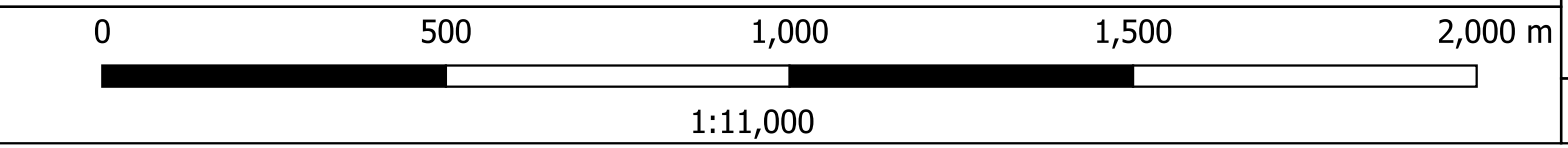


CLIENT: EDIFY ENERGY

FIGURE 1: DEVELOPMENT PLAN - NORTH

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DOCUMENT: Edify Energy - Muskerry Solar Farm
 DATE: 16/12/2022 AUTHOR: AF



Coordinate system: GDA2020 / MGA zone 55 EPSG:7855

LEGEND

- + Gate location
- + Rainwater tank location
- Contours (mAHD)
- Existing electrical transmission easement
- 4.5m wide electrical easement and track
- 4.5m wide access tracks
- Site security fencing
- Existing transmission line
- 240m noise buffer to sensitive receivers
- Vegetation for retention
- Inverters and power conversion units
- Maximum panel extent
- Maximum developable area
- Subject allotment outline



CLIENT: EDIFY ENERGY

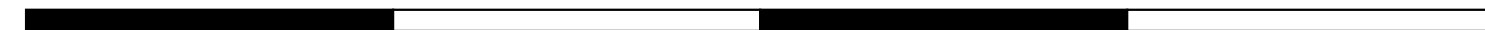
FIGURE 4: DEVELOPMENT PLAN - ADJOINING EASEMENT

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DOCUMENT: Edify Energy - Muskerry Solar Farm

DATE: 16/12/2022 AUTHOR: AF

0 350 700 1,050 1,400 m



1:7,208

Coordinate system: GDA2020 / MGA zone 55 EPSG:7855

LEGEND

- + Sensitive receivers
- + Gate location
- + Rainwater tank location
- Contours (mAHD)
- 4.5m wide electrical easement and track
- 4.5m wide access tracks
- Site security fencing
- 240m noise buffer to sensitive receivers
- 325m noise buffer to sensitive receivers
- Vegetation for retention
- Inverters and power conversion units
- Vegetation screening
- Maximum panel extent
- Maximum developable area
- Subject allotment outline

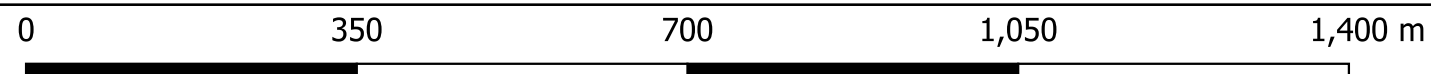


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FIGURE 2: DEVELOPMENT PLAN - CENTRAL

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DOCUMENT: Edify Energy - Muskerry Solar Farm



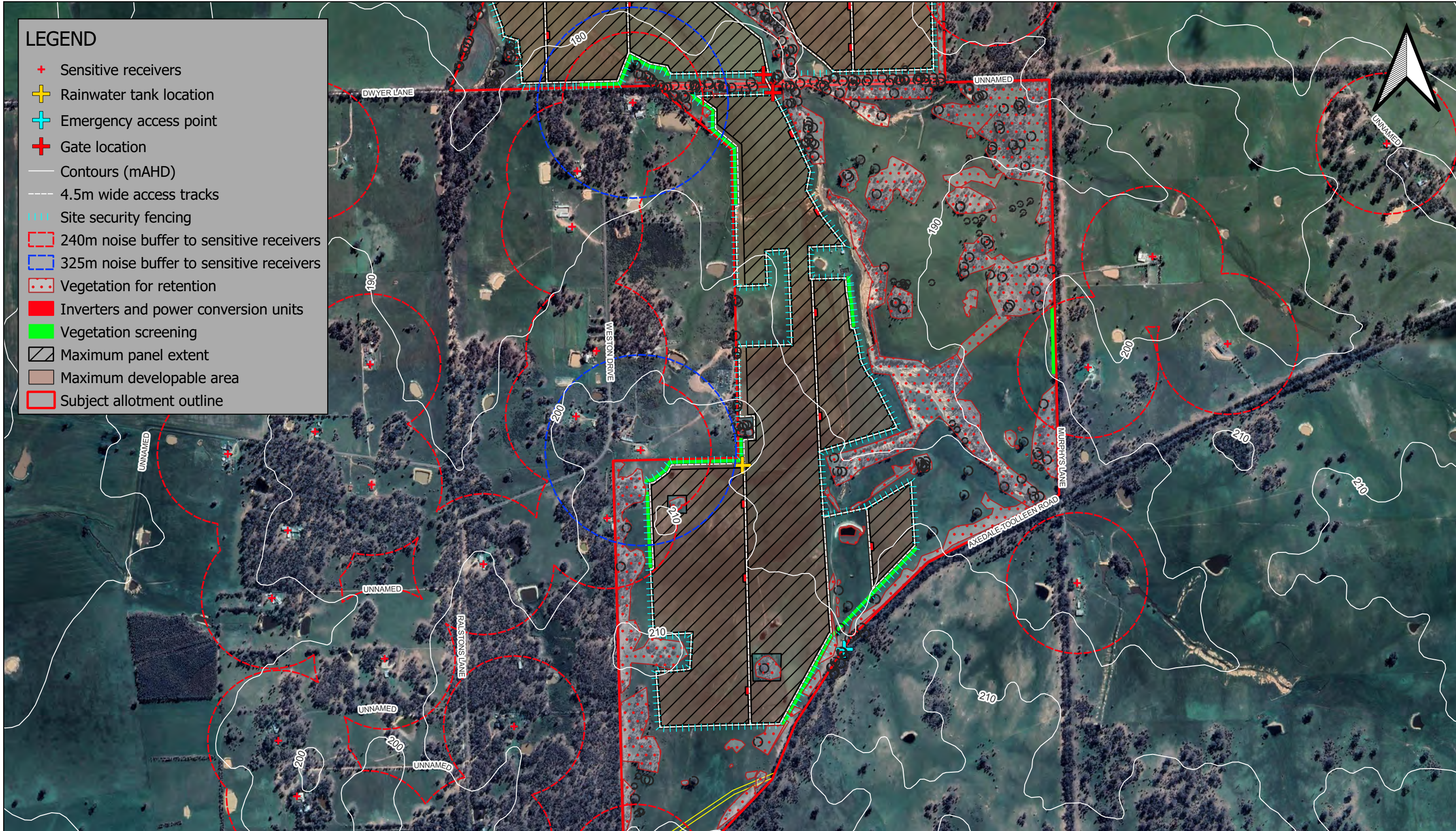
DATE: 16/12/2022 AUTHOR: AF

1:8,000

Coordinate system: GDA2020 / MGA zone 55 EPSG:7855

LEGEND

- + Sensitive receivers
- + Rainwater tank location
- + Emergency access point
- + Gate location
- Contours (mAHD)
- - - 4.5m wide access tracks
- Site security fencing
- 240m noise buffer to sensitive receivers
- 325m noise buffer to sensitive receivers
- Vegetation for retention
- Inverters and power conversion units
- Vegetation screening
- Maximum panel extent
- Maximum developable area
- Subject allotment outline

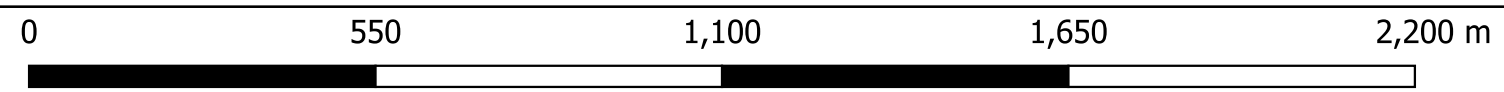


CLIENT: EDIFY ENERGY

FIGURE 3: DEVELOPMENT PLAN - SOUTH

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DOCUMENT: Edify Energy - Muskerry Solar Farm

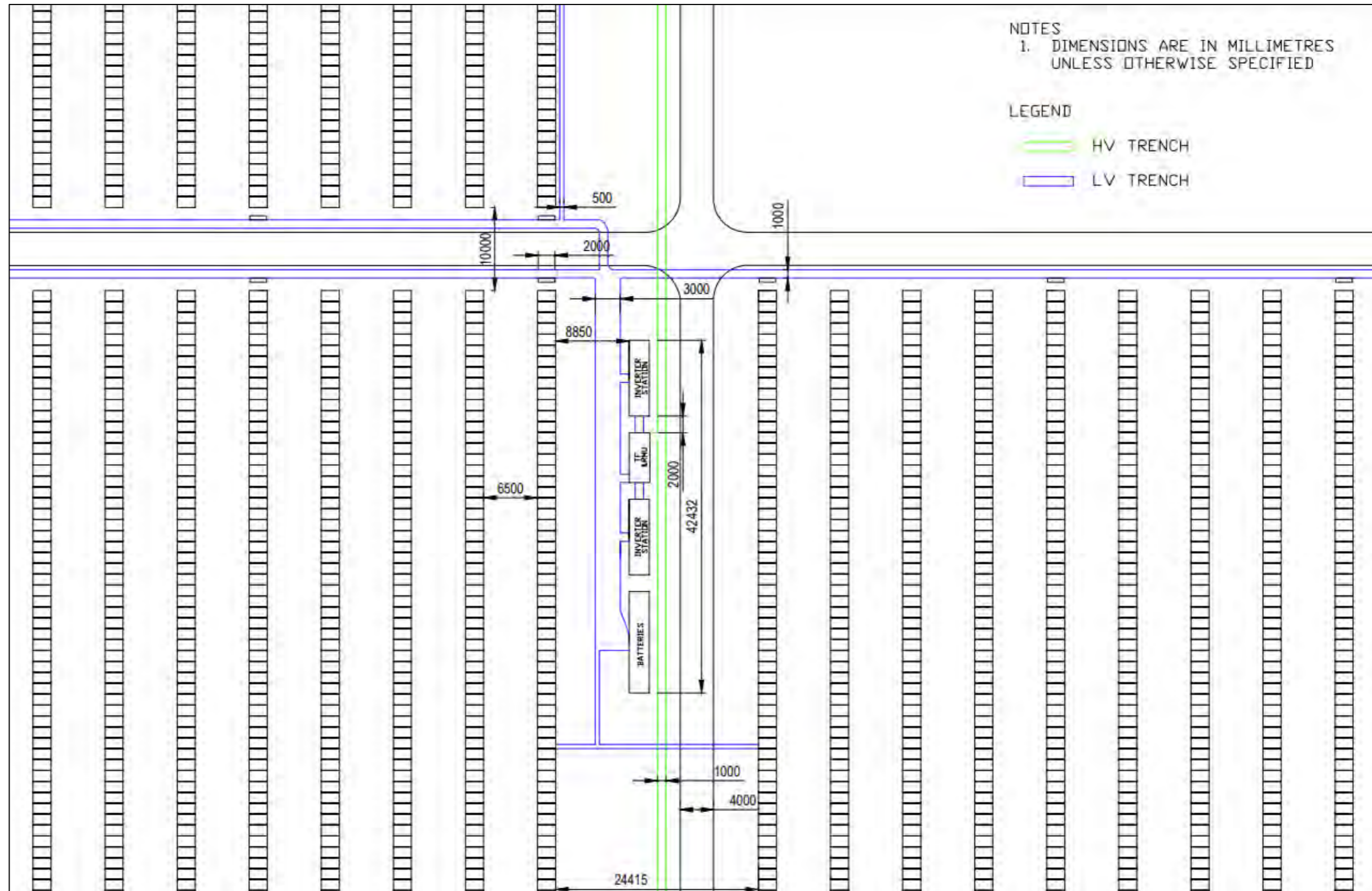


DATE: 16/12/2022 AUTHOR: AF

1:12,000

Coordinate system: GDA2020 / MGA zone 55 EPSG:7855

CONCEPT LAYOUT PLAN



NOTES
1. DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED

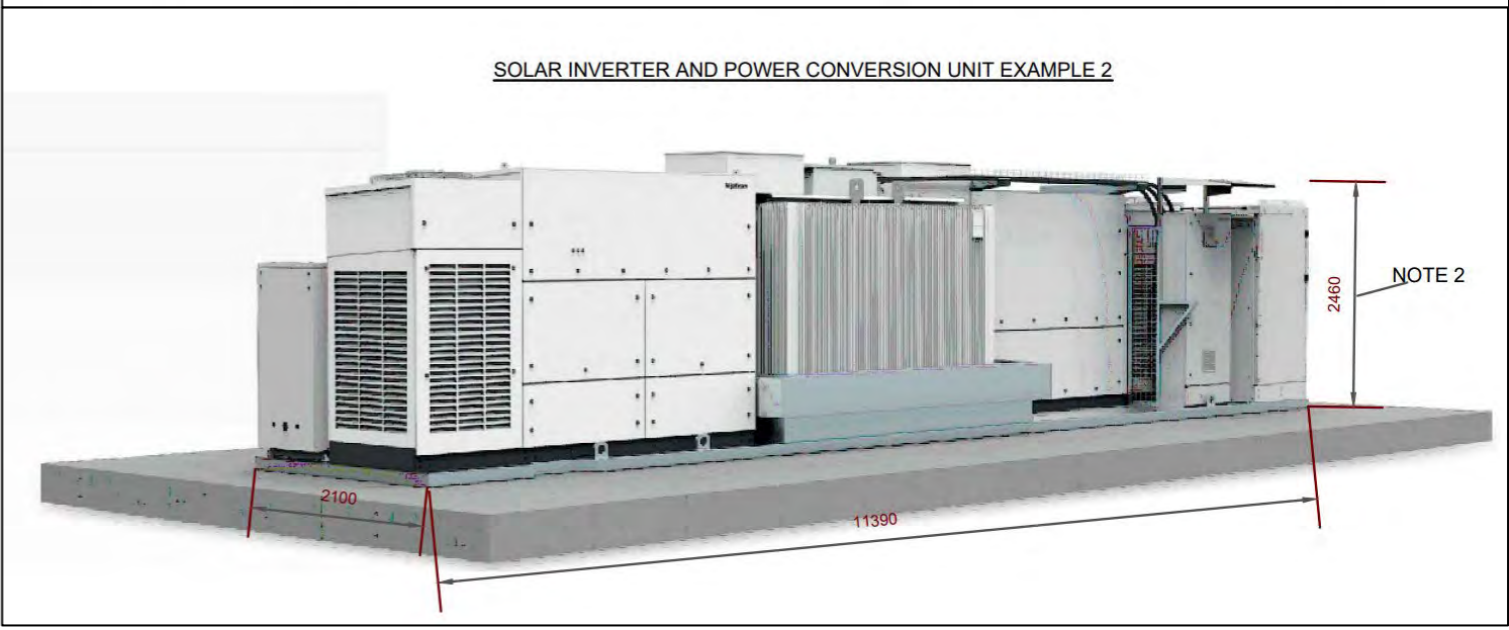
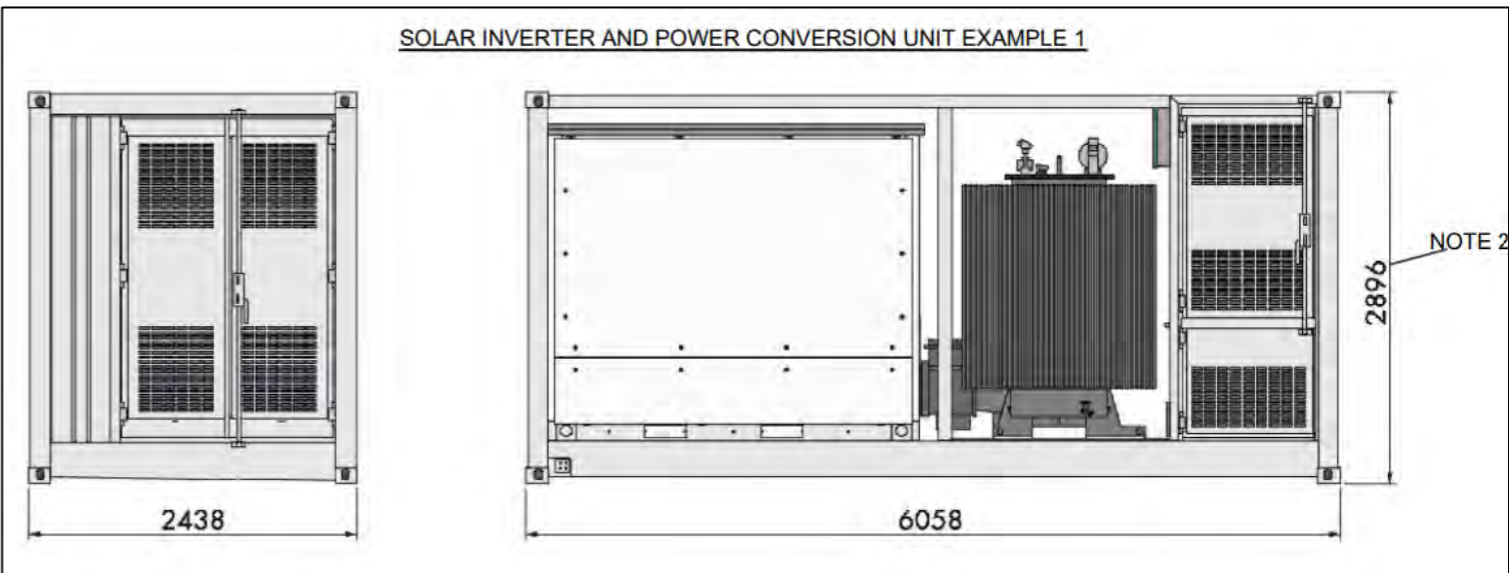
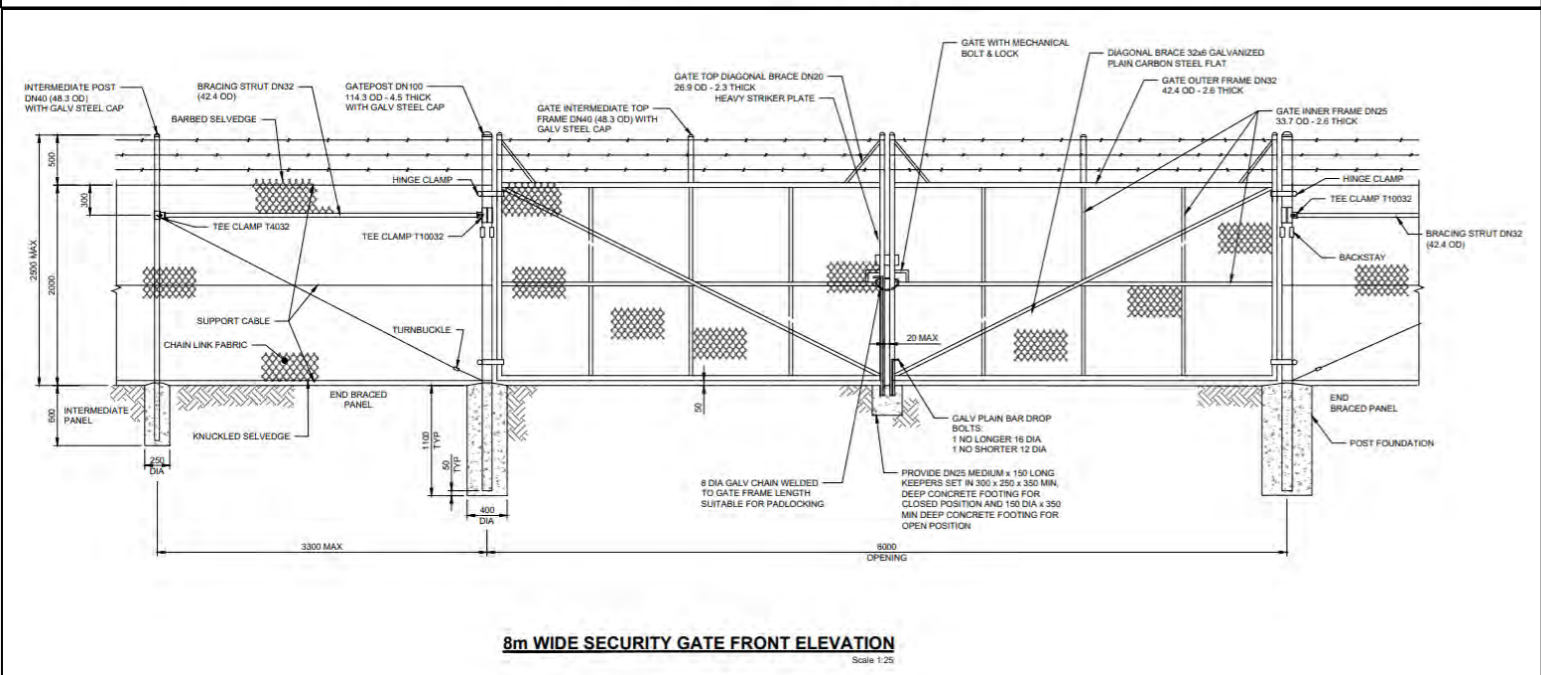
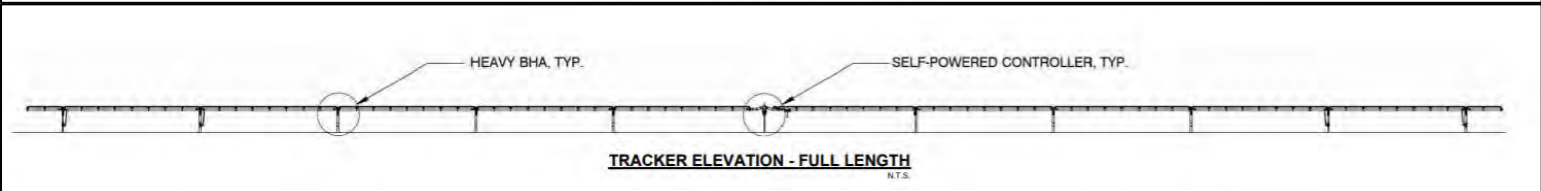
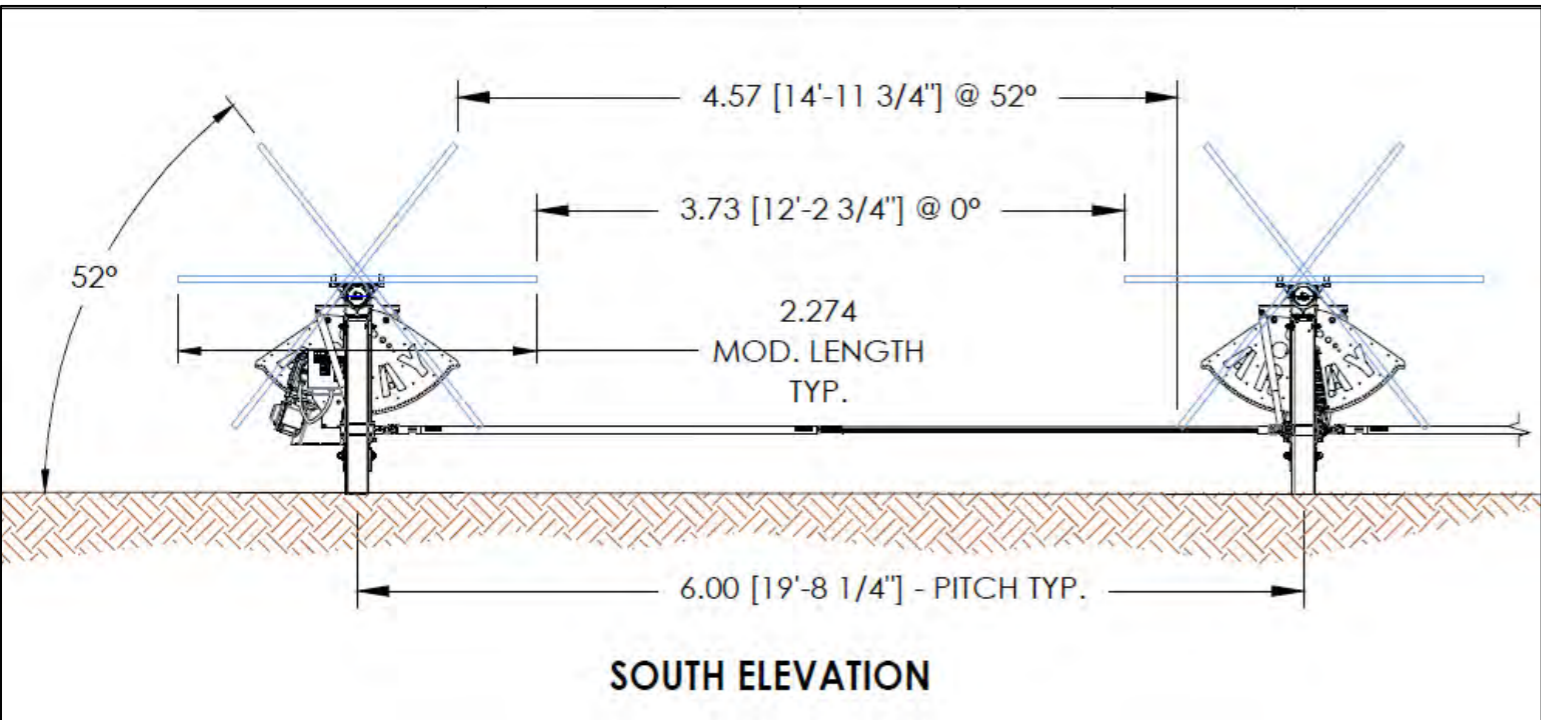
LEGEND

- HV TRENCH
- LV TRENCH

Notes

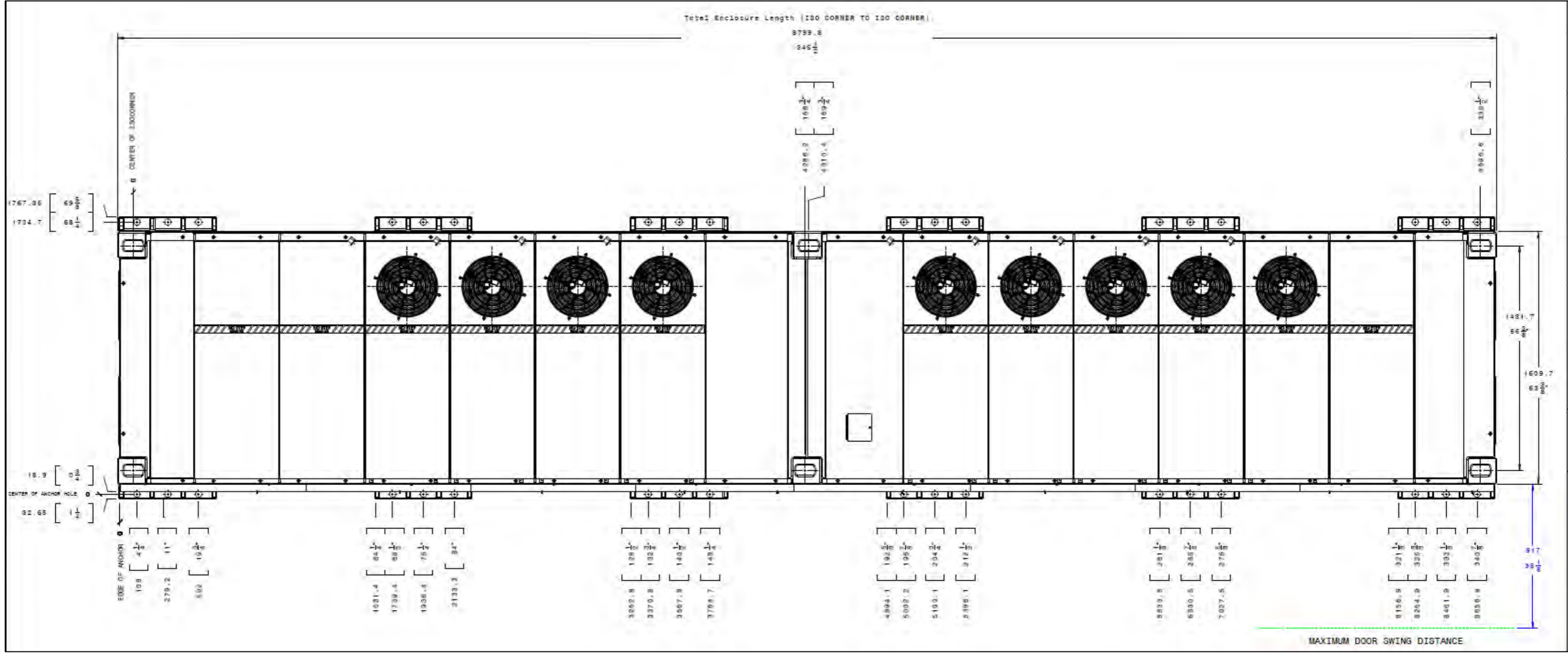
1. Solar Module Estimated Dimensions: 2465 X 1134 X 35MM (L X W X D)
2. Add an additional ~300-800mm to unit height for total height above ground, as the unit may sit atop an elevated platform secured in ground by 4-6 pilings
3. Conceptual/indicative examples only. Final equipment will be selected during detailed procurement process and may be subject to additional design requirements

CONCEPT ELEVATION PLAN

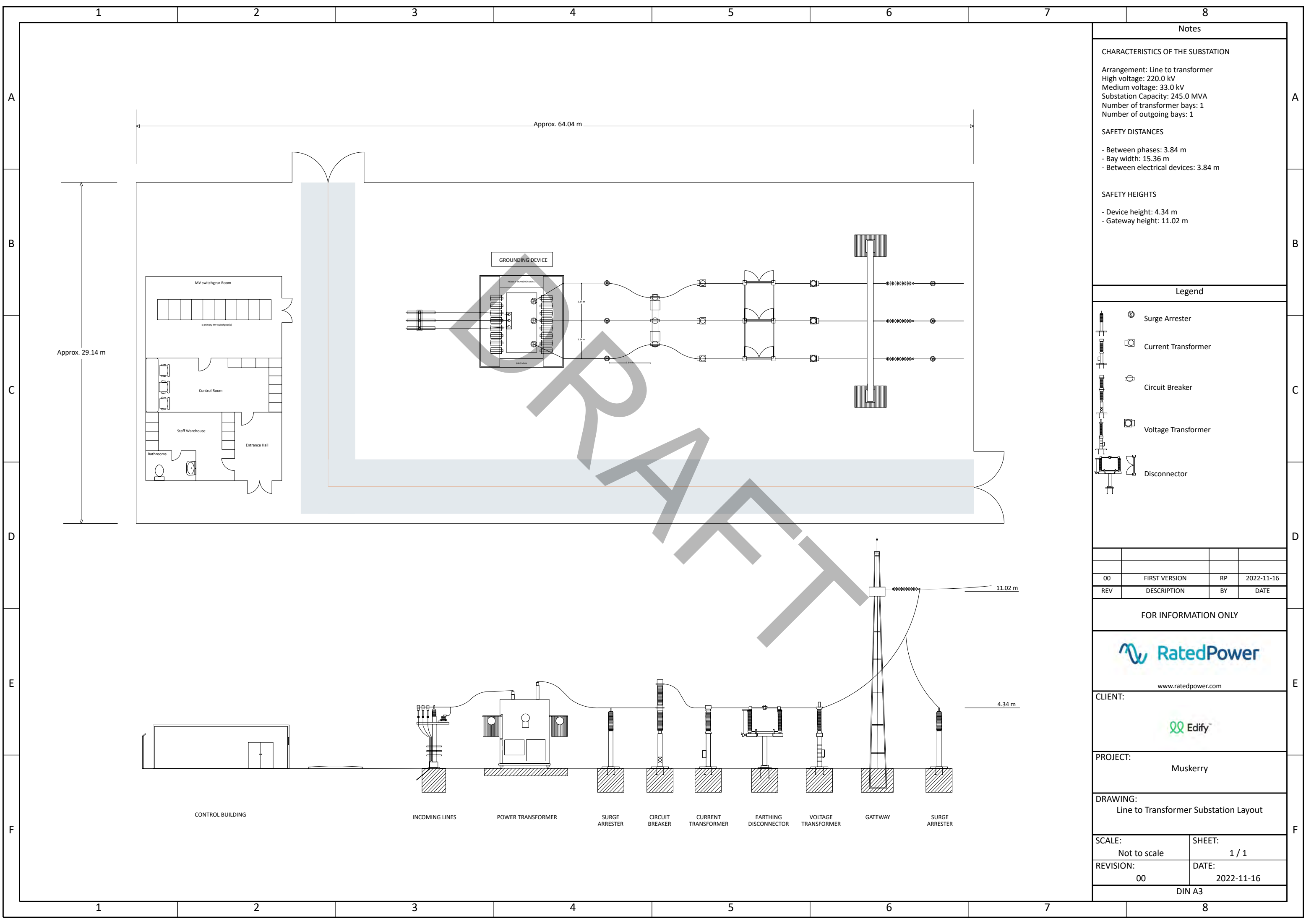


- Notes**
1. Solar Module Estimated Dimensions: 2465 X 1134 X 35MM (L X W X D)
 2. Add an additional ~300-800mm to unit height for total height above ground, as the unit may sit atop an elevated platform secured in ground by 4-6 pilings
 3. Conceptual/indicative examples only. Final equipment will be selected during detailed procurement process and may be subject to additional design requirements

CONCEPT ELEVATION
PLAN



- Notes**
1. Solar Module Estimated Dimensions: 2465 X 1134 X 35MM (L X W X D)
 2. Add an additional ~300-800mm to unit height for total height above ground, as the unit may sit atop an elevated platform secured in ground by 4-6 pilings
 3. Conceptual/indicative examples only. Final equipment will be selected during detailed procurement process and may be subject to additional design requirements



Notes

CHARACTERISTICS OF THE SUBSTATION

Arrangement: Line to transformer
 High voltage: 220.0 kV
 Medium voltage: 33.0 kV
 Substation Capacity: 245.0 MVA
 Number of transformer bays: 1
 Number of outgoing bays: 1

SAFETY DISTANCES

- Between phases: 3.84 m
- Bay width: 15.36 m
- Between electrical devices: 3.84 m

SAFETY HEIGHTS

- Device height: 4.34 m
- Gateway height: 11.02 m

Legend

- Surge Arrester
- Current Transformer
- Circuit Breaker
- Voltage Transformer
- Disconnecter

REV	DESCRIPTION	BY	DATE
00	FIRST VERSION	RP	2022-11-16

FOR INFORMATION ONLY

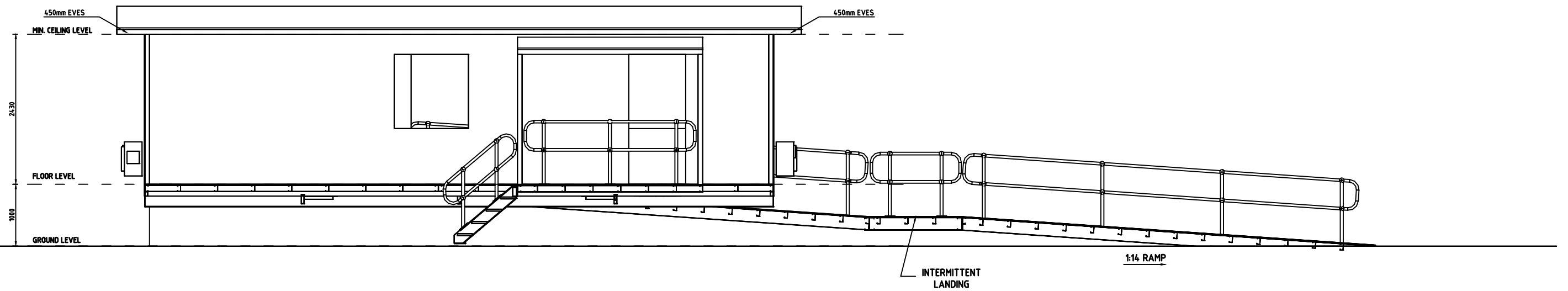
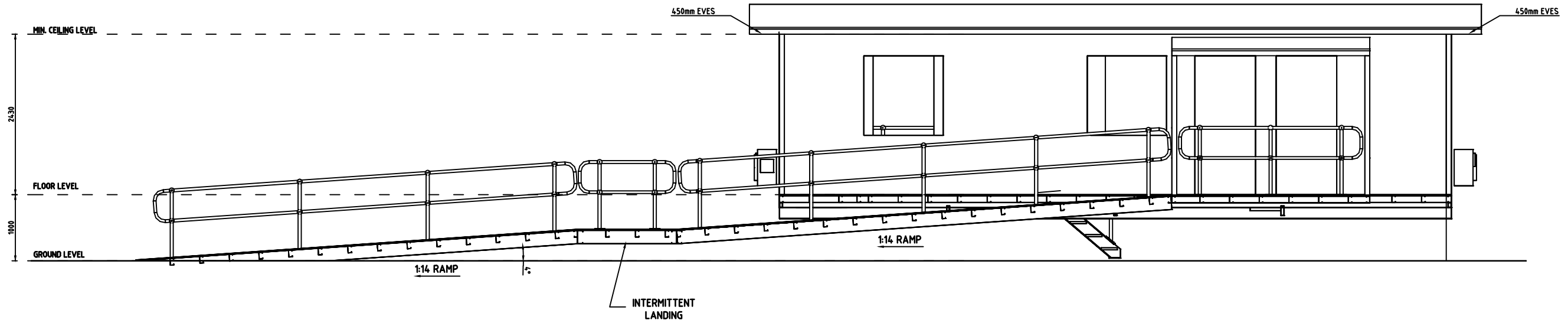
RatedPower
 www.ratedpower.com

CLIENT:
Edify

PROJECT:
 Muskerry

DRAWING:
 Line to Transformer Substation Layout

SCALE: Not to scale	SHEET: 1 / 1
REVISION: 00	DATE: 2022-11-16
DIN A3	

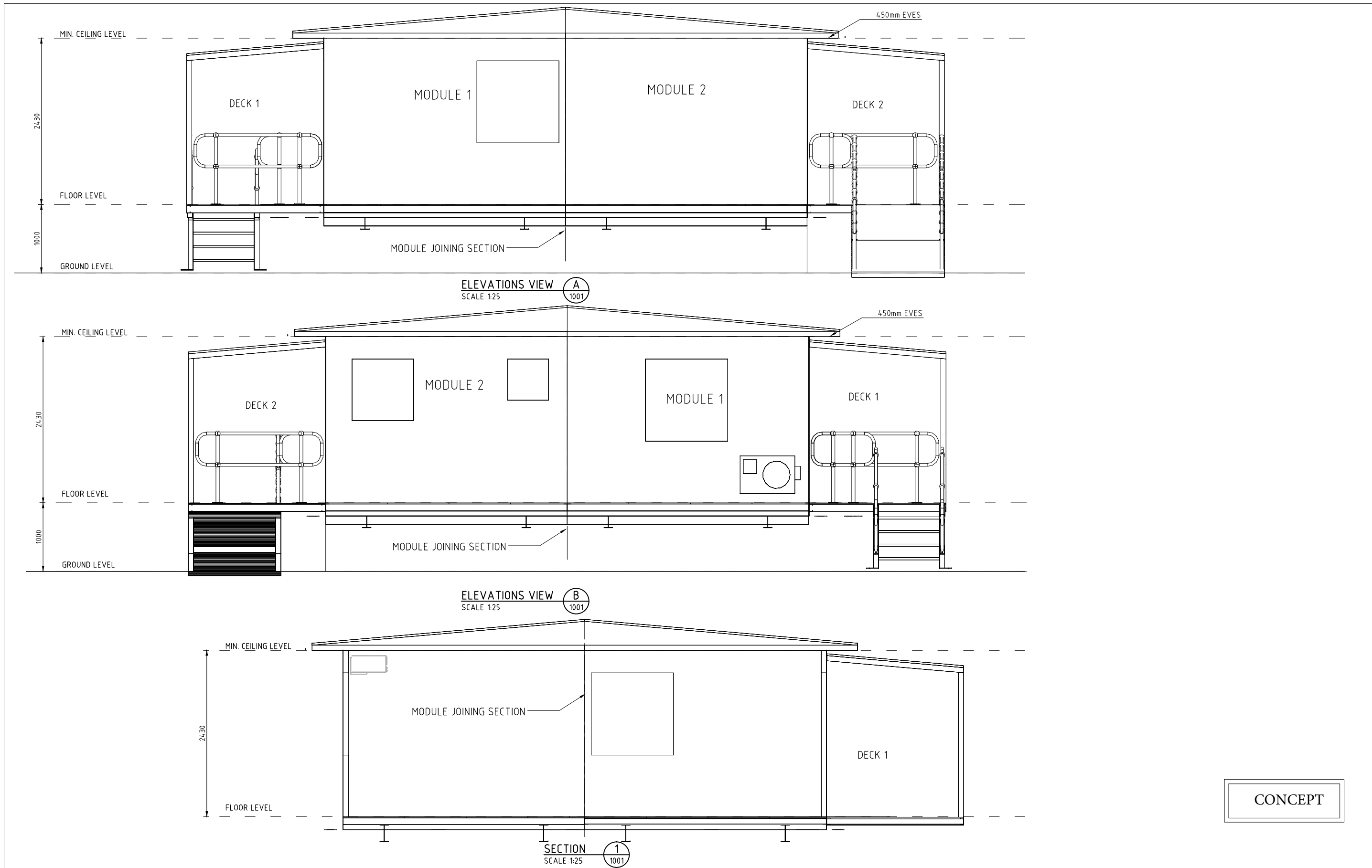


CONCEPT

REV	DATE	AMENDMENT
2	16.07.19	
1	01.05.19	ISSUED FOR APPROVAL



PROJECT	NILSEN (QLD) PTY LTD	DRAWN	T.H	DATE	01.05.19	SCALE	NTS	DRAWING NUMBER	6283-1-S-1004	
LOCATION		CHECKED	G.H	TITLE CONTROL / OFFICE BUILDING						
DEVELOPER	CTB	DESIGN	S.G							
		DESIGN CHECKED	S.G	A1	JOB NUMBER	6283	SHEET	1	REV	2



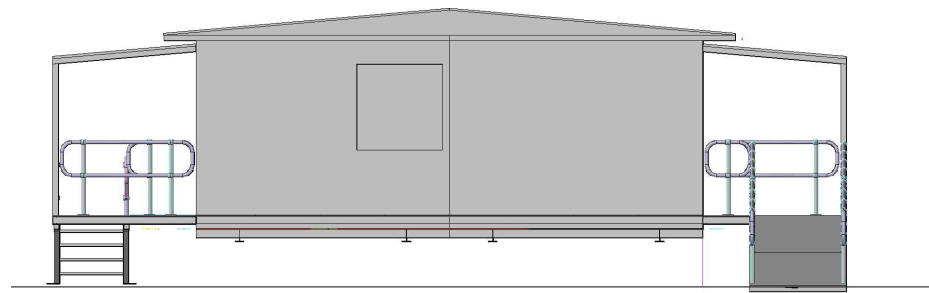
CONCEPT

REV	DATE	AMENDMENT
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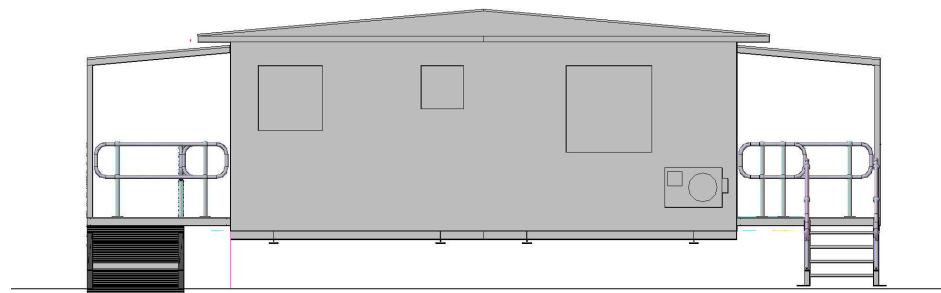
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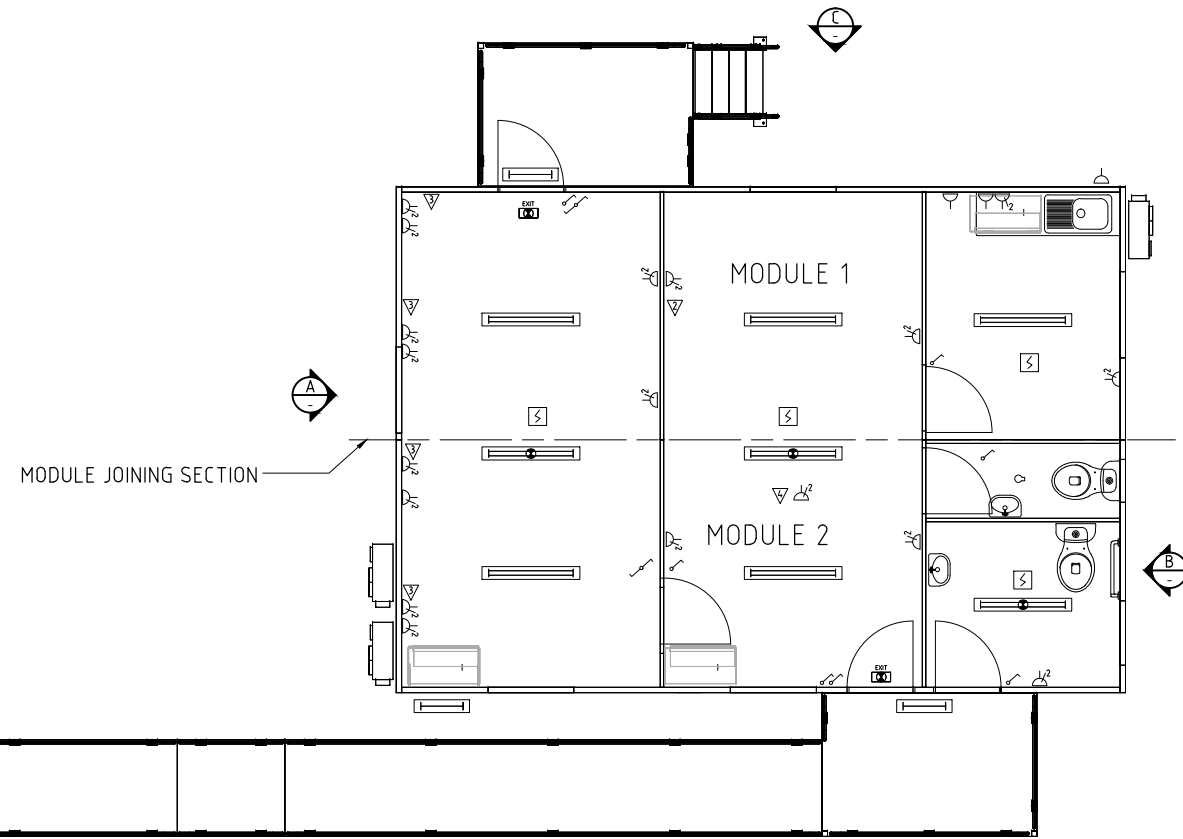
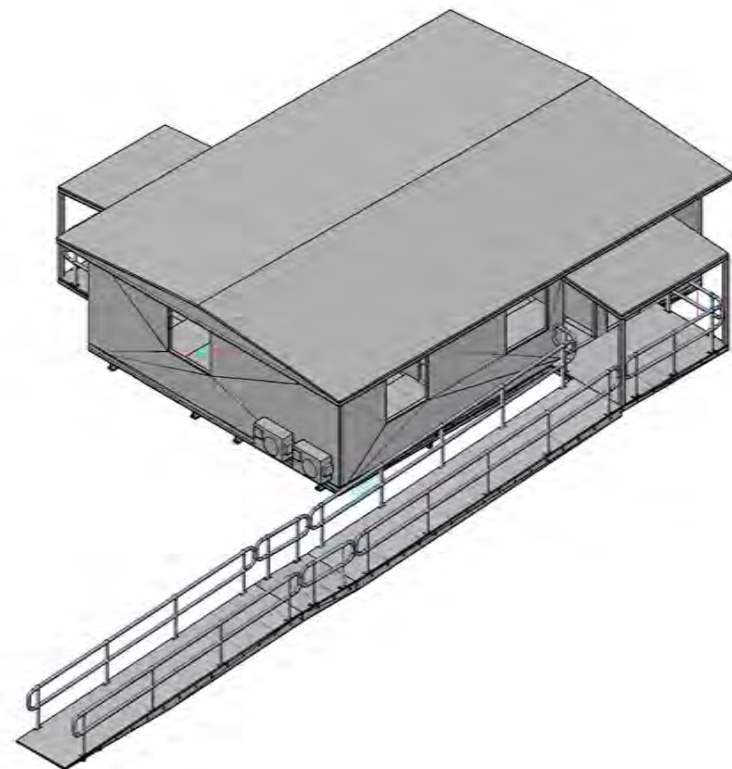
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LOCATION		CHECKED	G.H	TITLE CONTROL / OFFICE BUILDING ELEVATIONS						
DEVELOPER	CTB	DESIGN	S.G							
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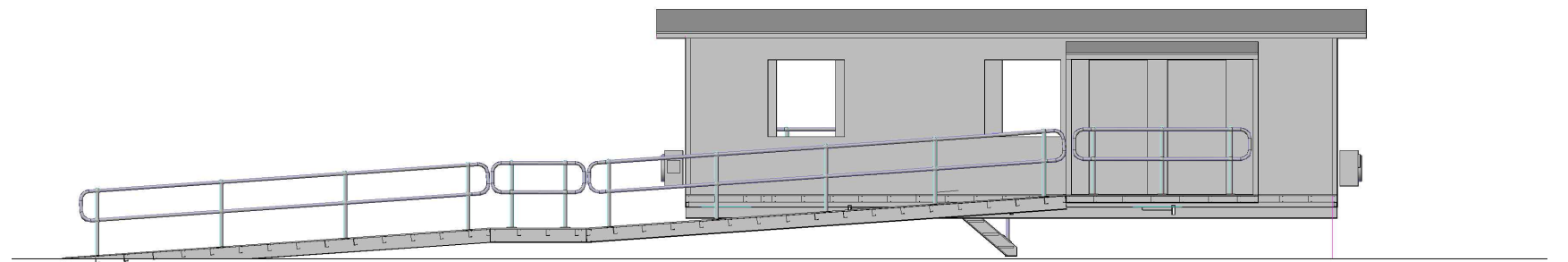
ELEVATIONS VIEW (A)
SCALE 1:50



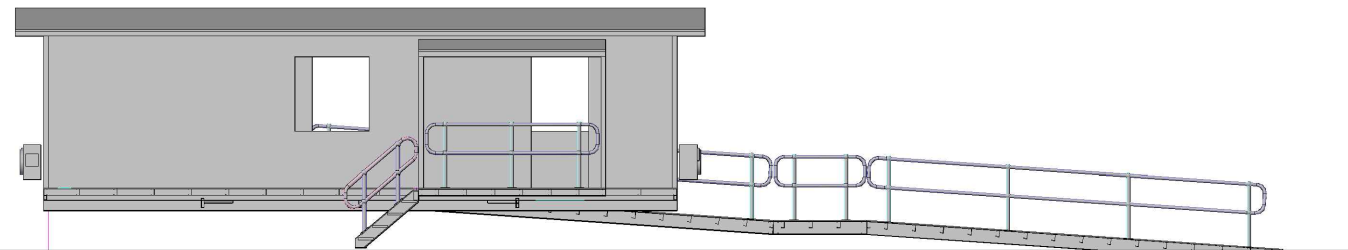
ELEVATIONS VIEW (B)
SCALE 1:50



FLOOR PLAN
SCALE 1:50



ELEVATIONS VIEW (D)
SCALE 1:50



ELEVATIONS VIEW (C)
SCALE 1:50

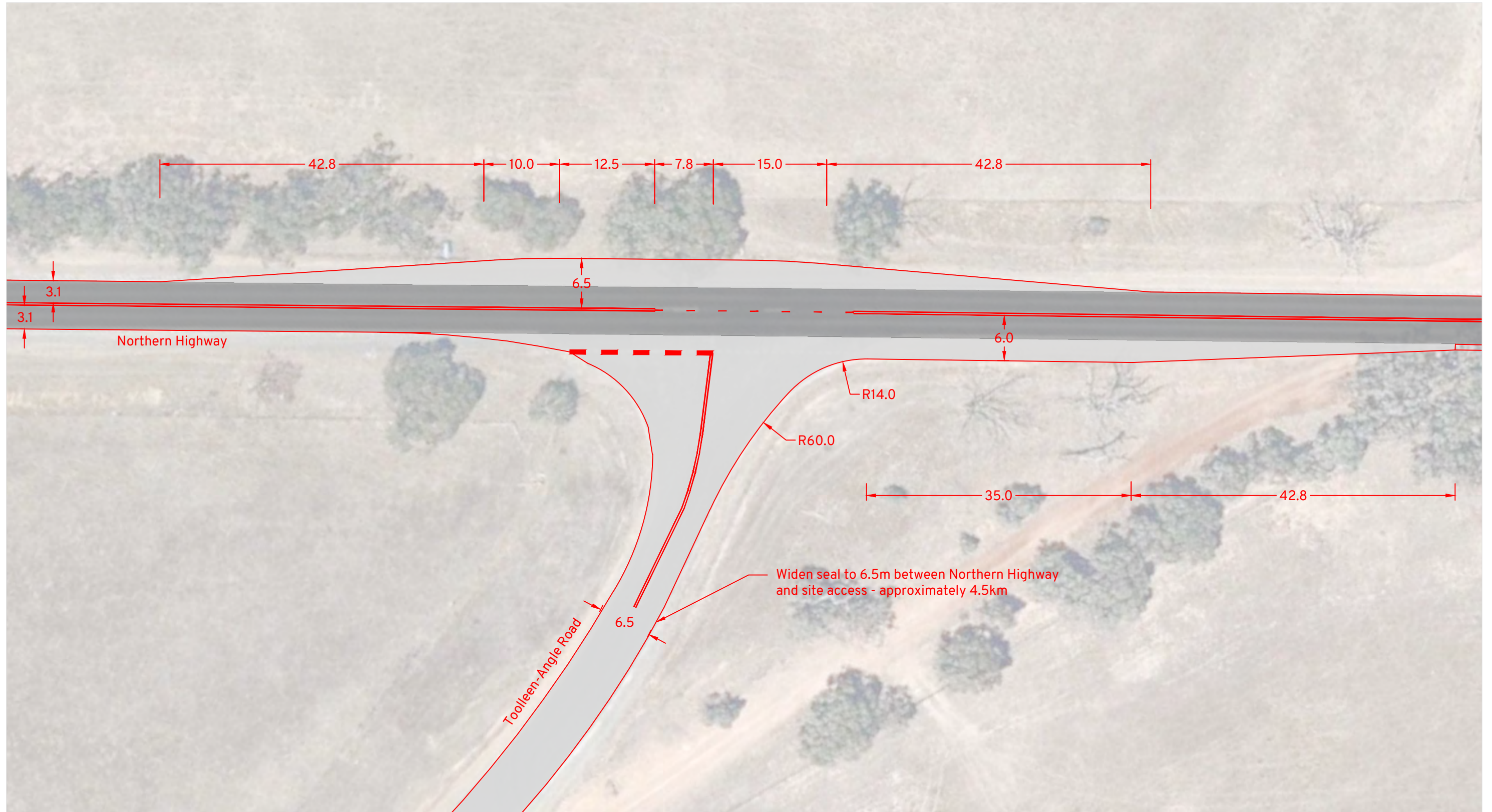
CONCEPT

REV	DATE	AMENDMENT
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2	15.05.19	
1	01.05.19	ISSUED FOR APPROVAL

V:\Company2\CTB_Documentation_2\Vobs_Live\6283 Nilsen\Design Drawings\Cad\6283 MAIN 16/07/2019 10:45



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LOCATION		CHECKED	G.H	TITLE CONTROL / OFFICE BUILDING FLOOR PLAN AND ELEVATION VEIWS						
DEVELOPER	CTB	DESIGN	S.G							
		DESIGN CHECKED	S.G	A1	JOB NUMBER	6283	SHEET	1	REV	3



The following design details have been taken from Austroads Guide to Road Design Part 4A:

Basic Right-turn Treatment (BAR) Section 7.5.1.

- 1: Design speed of 110km/h.
- 2: Lane widths of 3.1m have been used.
- 3: Road widening to 6.5m.
- 4: Minimum lateral movement (A) is 42.8m.
- 5: Storage length is 12.5m for one Heavy Rigid Vehicle.

Basic Left-turn Treatment (BAL) Section 8.2.

- 1: Design speed of 110km/h.
- 2: Lane widths of 3.1m have been used.
- 3: Road widening to 6.0m.
- 4: Diverge length is 42.8m.
- 5: Setback distance is 6.0m



Muskerry Solar Power Station
Northern Highway/Toolleen-Angle Road Intersection
Concept Plan

DRAWN: CT
DATE: 19/01/2022
SCALE: 1:500m @ A3
DWG NO: 274 S03B

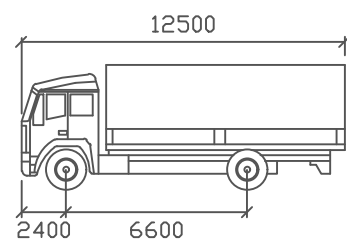




Vehicle Envelope

300mm Clearance

HRV



Width	: 2500
Track	: 2500
Lock to Lock	: 6.0s
Steering Angle	: 35.2



Muskerry Solar Power Station
Northern Highway/Toolleen-Angle Road Intersection
Concept Plan

DRAWN: CT
DATE: 19/01/2022
SCALE: 1:500m @ A3
DWG NO: 274 S03B

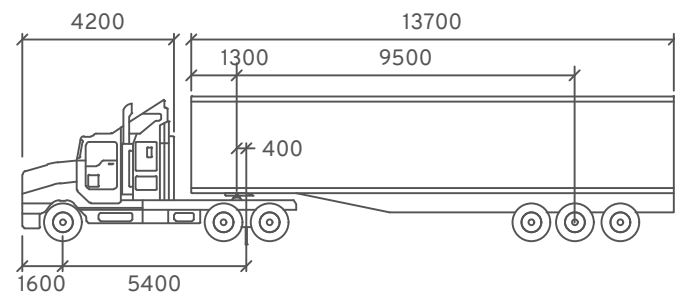




Vehicle Envelope

300mm Clearance

AV



Tractor Width :	2500	mm
Trailer Width :	2500	
Tractor Track :	2500	
Trailer Track :	2500	
Lock to Lock :	6.0s	
Steering Angle :	28.3	
Articulating Angle :	70.0	



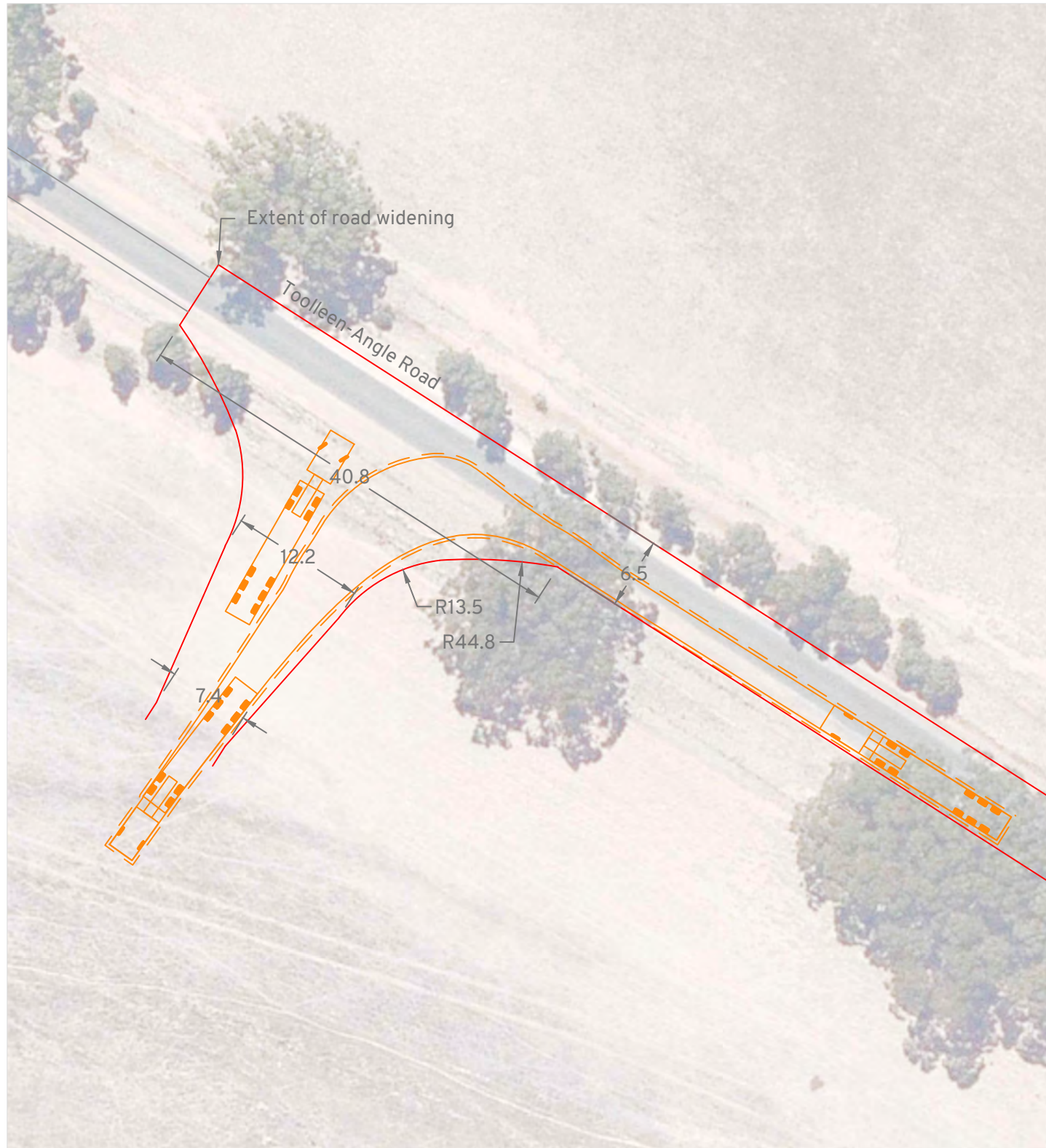
Muskerry Solar Power Station

Northern Highway/Toolleen-Angle Road Intersection

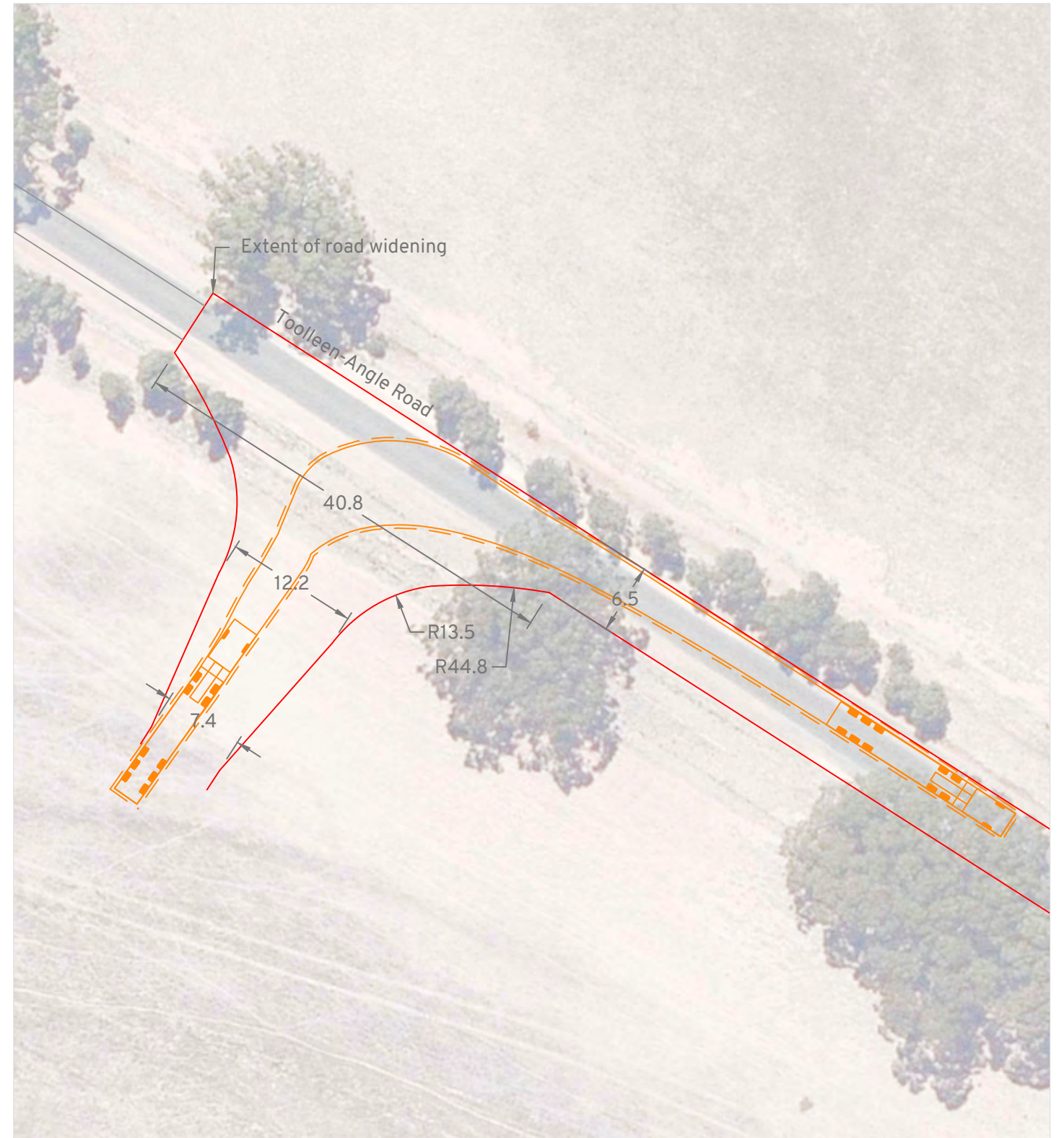
Concept Plan

DRAWN: CT
 DATE: 19/01/2022
 SCALE: 1:500m @ A3
 DWG NO: 274 S03B

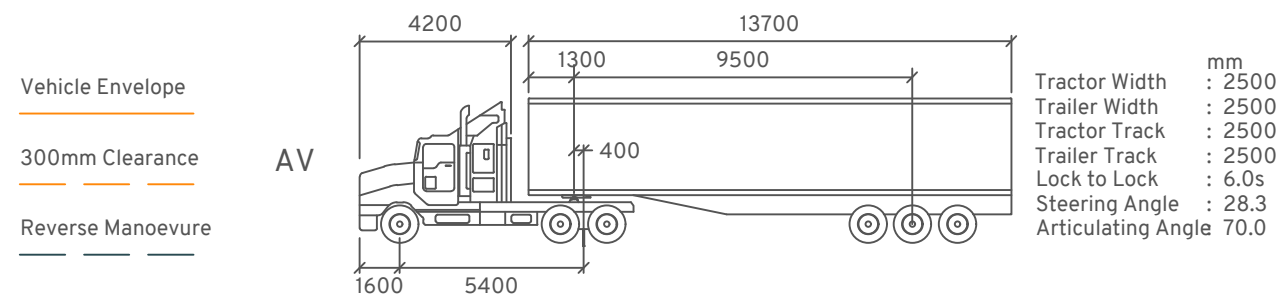




Entry Manoeuvre



Exit Manoeuvre



Muskerry Solar Farm
Access Layout Plan
Swept Path Assessment

DRAWN: CT
DATE: 28/10/2022
DWG NO: 274 S04B
SCALE at A3: 1:200