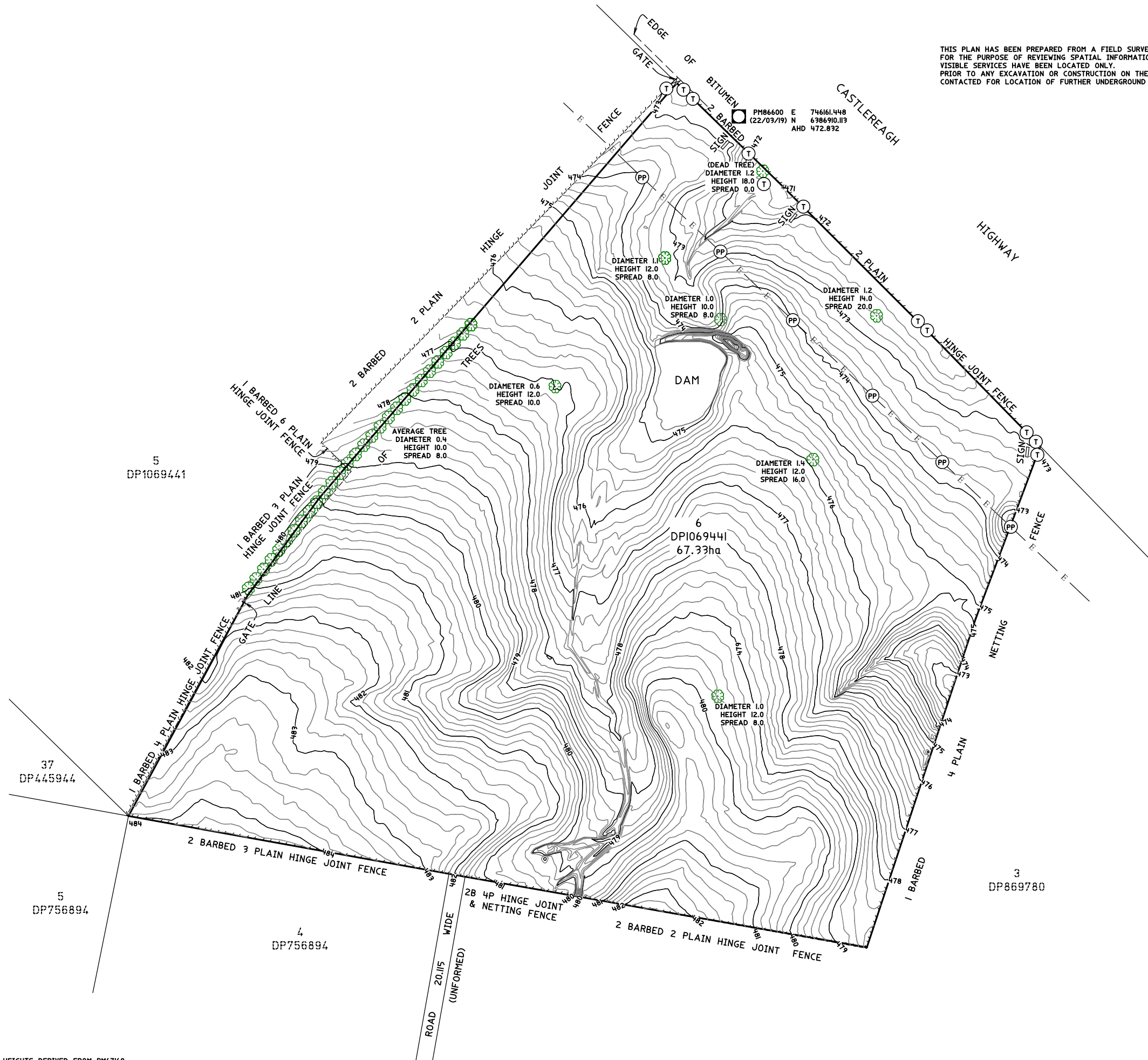
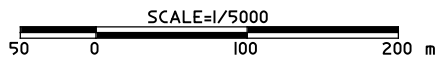


THIS PLAN HAS BEEN PREPARED FROM A FIELD SURVEY AND OTHER RELEVANT AUTHORITY RECORDS FOR THE PURPOSE OF REVIEWING SPATIAL INFORMATION ON THE LAND AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. VISIBLE SERVICES HAVE BEEN LOCATED ONLY. PRIOR TO ANY EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.



- LEGEND**
- (T) TELSTRA POST
 - (PP) POWER POLE
 - (X) GATE
 - FENCE
 - E- POWER LINE
 - ADJ LOT BDYS
 - LOT BDYS
 - EDGE OF BITUMEN
 - CONTOUR MAJOR
 - CONTOUR MINOR
 - (T) TREE DIAMETER (m)
 - (H) HEIGHT (m)
 - (S) SPREAD (m)
 - (S) SIGN
 - PM86600 E 746161.448 (22/03/19) N 6386910.119 AHD 472.892

HEIGHTS DERIVED FROM PM67168



No.	DATE	REVISION	DETAILS

PHILLIP ORR
REGISTERED SURVEYOR

DATE

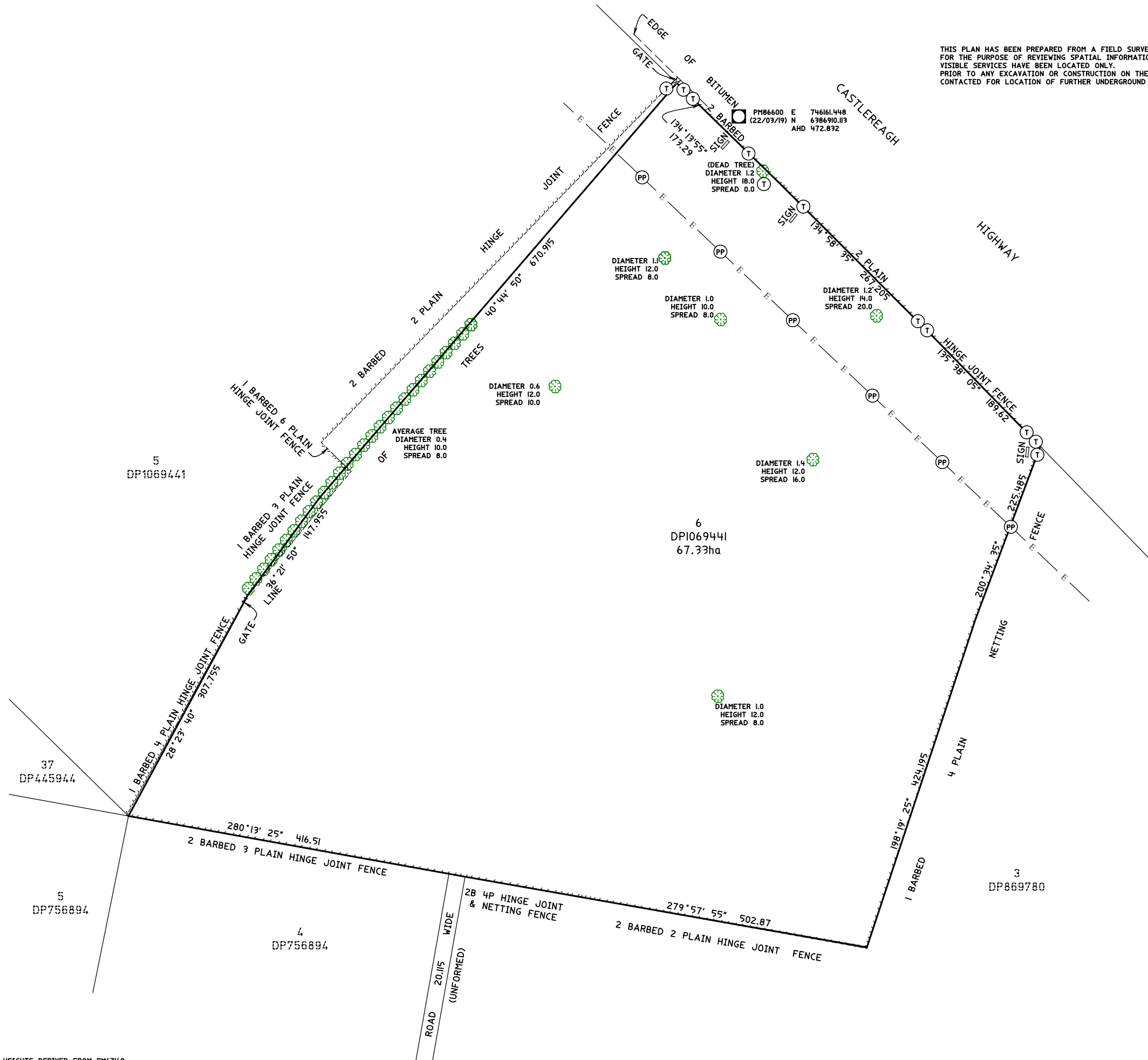
PREPARED BY
O'RYAN GEOSPATIAL PTY LTD
ABN: 2861675823
Shop 7/13 Oporto Rd
Mudgee NSW 2850
Phone: 0499 741 790

CLIENT:
IT POWER RENEWABLE ENERGY CONSULTING

SCALE: 1:5000	DATUM: M.G.A. 94 & A.H.D.
CONT. INTERVAL 0.200	SHEET SIZE A3
DRAWN BMO	CHECKED DSR

TITLE CONTOUR PLAN OF LOT 6 DPI069441 3B SYDNEY RD, BURRUNDULLA NSW 2850		REVISION A
DWG No 9-238	JOB No 9-238	SHEET 1 OF 3 SHEETS

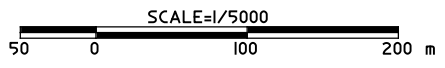
THIS PLAN HAS BEEN PREPARED FROM A FIELD SURVEY AND OTHER RELEVANT AUTHORITY RECORDS FOR THE PURPOSE OF REVIEWING SPATIAL INFORMATION ON THE LAND AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. VISIBLE SERVICES HAVE BEEN LOCATED ONLY. PRIOR TO ANY EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.



- LEGEND**
- (T) TELSTRA POST
 - (PP) POWER POLE
 - (X) GATE
 - FENCE
 - E- POWER LINE
 - ADJ LOT BDYS
 - LOT BDYS
 - EDGE OF BITUMEN
 - (Tree Symbol) TREE DIAMETER (m)
HEIGHT (m)
SPREAD (m)
 - (Square) SIGN

PM86600 E 746161.448
(22/03/19) N 6386910.119
AHD 472.892

HEIGHTS DERIVED FROM PM67168



No.	DATE	REVISION	DETAILS

PHILLIP ORR
REGISTERED SURVEYOR

DATE

PREPARED BY
O'RYAN GEOSPATIAL PTY LTD
ABN: 2861675823
Shop 7/13 Oporto Rd
Mudgee NSW 2850
Phone: 0499 741 790

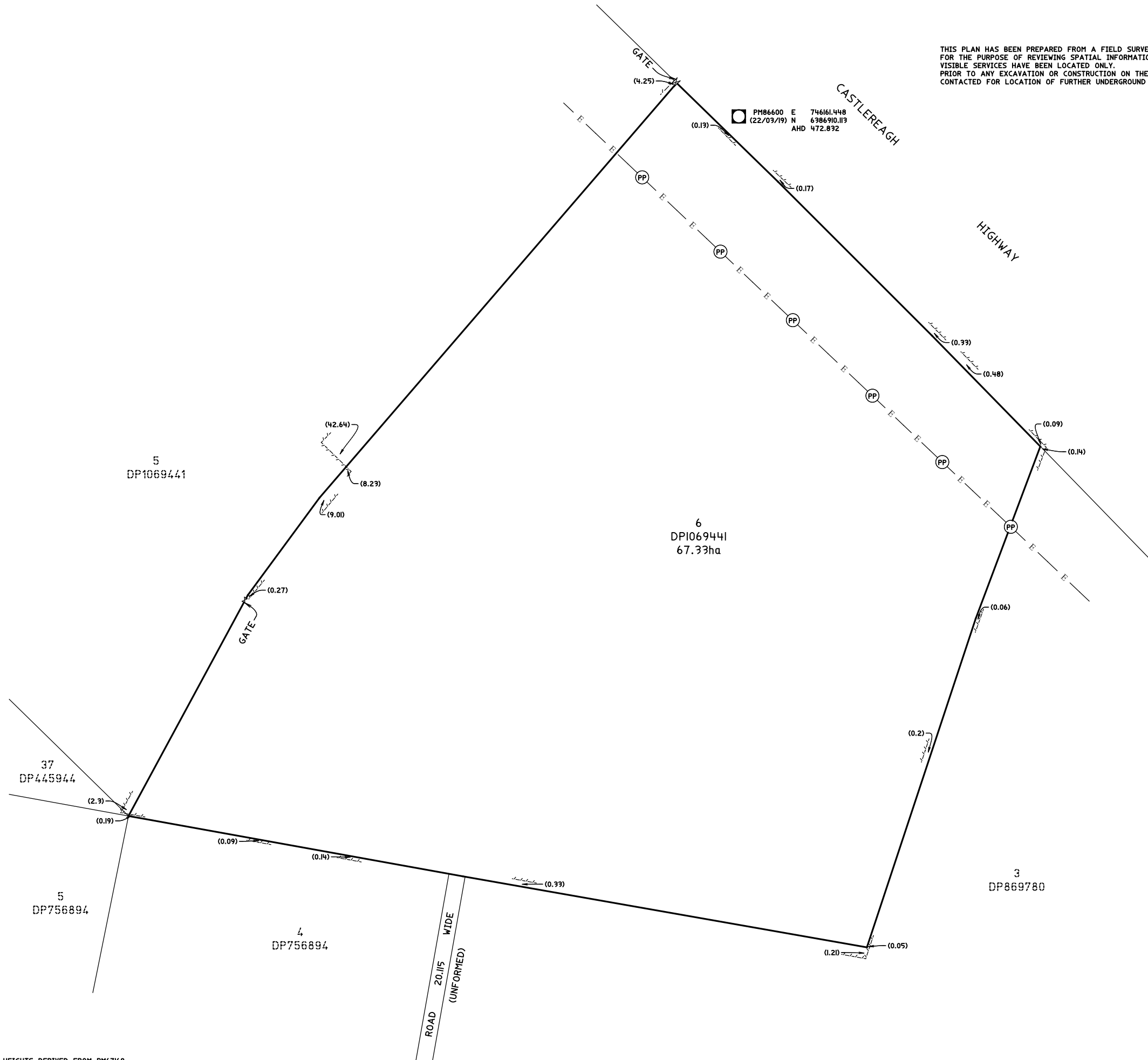
CLIENT:
IT POWER RENEWABLE ENERGY CONSULTING

SCALE: 1:5000	DATUM: M.G.A. 94
CONT. INTERVAL	SHEET SIZE A3
DRAWN BMO	CHECKED DSR

TITLE DETAIL SURVEY OF LOT 6 DP1069441 3B SYDNEY RD, BURRUNDULLA NSW 2850		REVISION A
DWG No 9-238	JOB No 9-238	SHEET 2 OF 3 SHEETS



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PM86600 E 746161.448
(22/03/19) N 6386910.119
AHD 472.892

5
DP1069441

6
DPI069441
67.33ha

37
DP445944

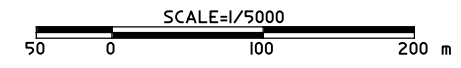
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DP756894

4
DP756894

3
DP869780

PM86600 E 746161.448
(22/03/19) N 6386910.119
AHD 472.892

HEIGHTS DERIVED FROM PM67168



No.	DATE	REVISION	DETAILS

PHILLIP ORR
REGISTERED SURVEYOR

DATE

PREPARED BY
O'RYAN GEOSPATIAL PTY LTD
ABN: 2861675823
Shop 7/13 Oporto Rd
Mudgee NSW 2850
Phone: 0499 741 790

CLIENT:
IT POWER RENEWABLE
ENERGY CONSULTING

SCALE: 1:5000	DATUM: M.G.A. 94
CONT. INTERVAL	SHEET SIZE A3
DRAWN BMO	CHECKED DSR

TITLE
IDENTIFICATION SURVEY OF LOT 6 DPI069441
3B SYDNEY RD, BURRUNDULLA NSW 2850

DWG No 9-238 JOB No 9-238 SHEET 3 OF 3 SHEETS

REVISION
A

BURRUNDULLA MINI SUSTAINABLE ENERGY PARK

DEVELOPMENT APPLICATION

ADDRESS:
3B SYDNEY ROAD
BURRUNDULLA
NSW 2850



DEVELOPED BY:
ITP DEVELOPMENT

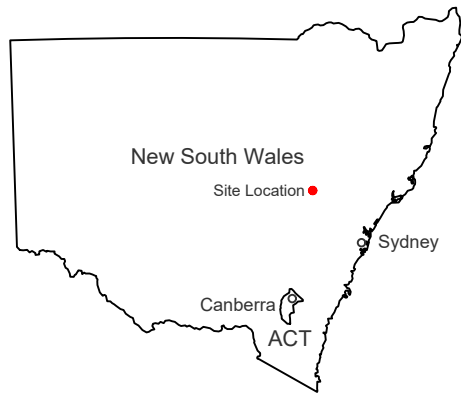
Sheet List Table	
Sheet Number	Sheet Title
G-0100	TITLE
G-0400	LOCATION PLAN
G-2100	GENERAL ARRANGEMENT PLAN
G-2200	SITE ELEVATIONS
C-4300	INVERTER FOOTING DETAILS
C-5300	FENCING DETAILS
C-5301	GATE DETAILS
C-6300	ACCESS PATH DETAILS
E-3400	NEXTRACKER ARRAY DETAILS
E-4300	INVERTER STATION DETAILS



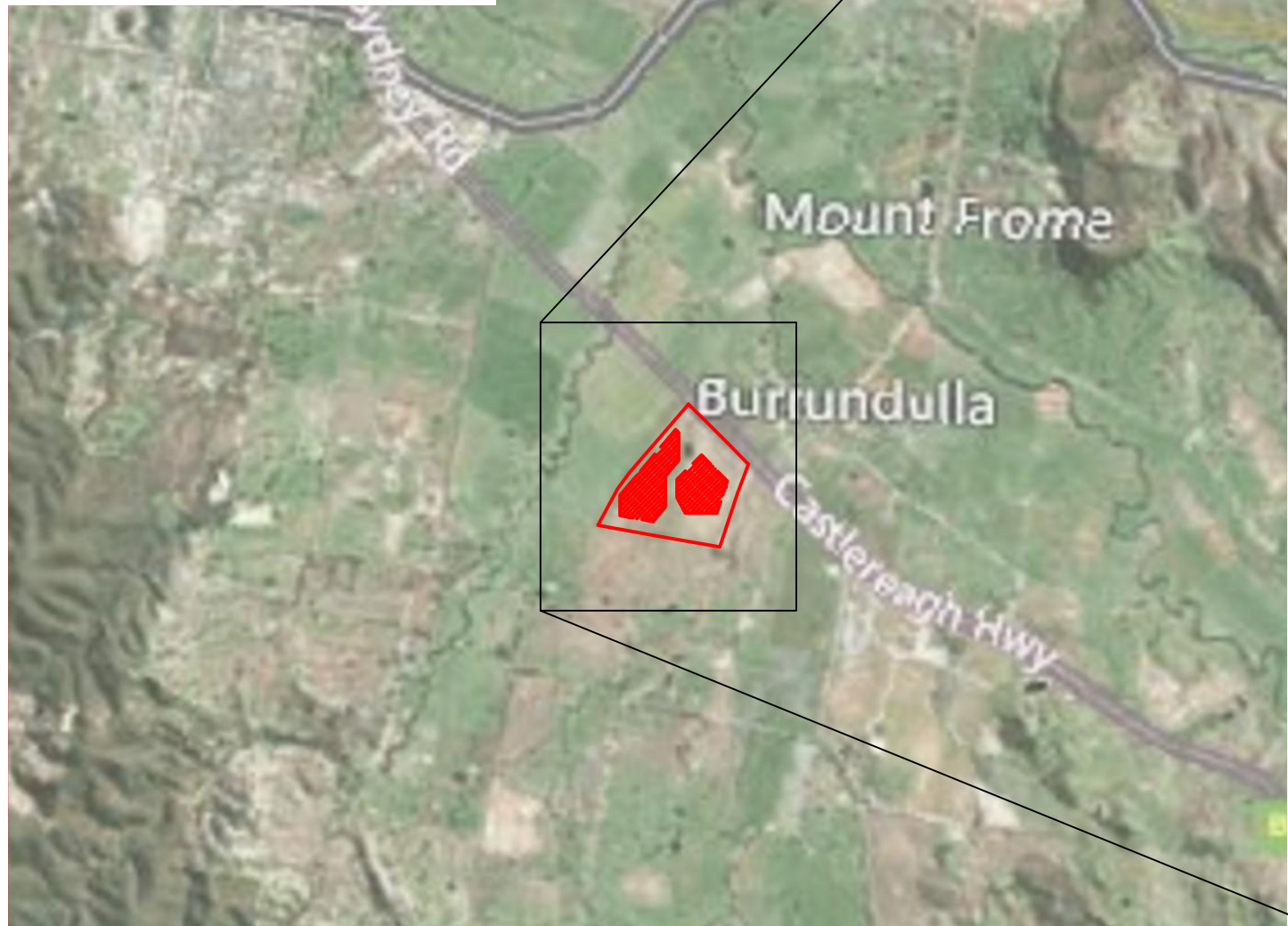
info@itpau.com.au

+61 (0) 2 6257 3511

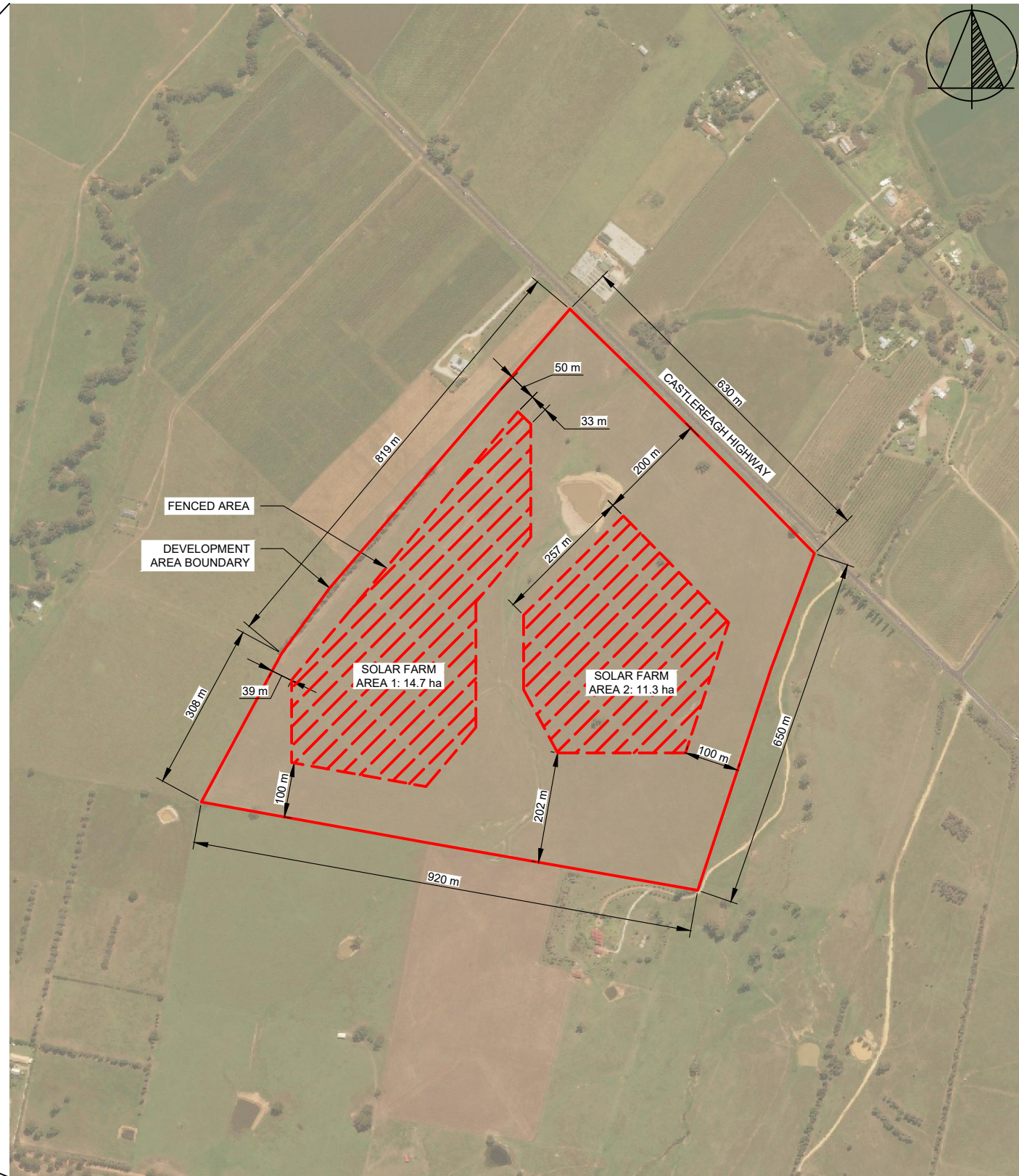
Level 1, 19-23 Moore St Turner, ACT 2612
itpau.com.au



1 STATE MAP
SCALE: NTS



2 LOCATION PLAN
SCALE: NTS



3 SITE PLAN
SCALE: 1:10000

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES
1	ISSUED FOR DA APPROVAL	13/06/2019	
2	DEVELOPMENT APPLICATION	16/12/2021	
3	----	----	
4	----	----	
5	----	----	
6	----	----	

PARTNERS

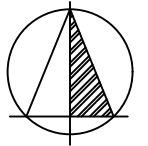


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info@itp.com.au
www.itpau.com.au

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AUSTRALIA

DRAWN	MJB
CHECKED	AN
APPROVED	AN
DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	
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DRAWING	LOCATION PLAN	SCALE	AS NOTED
PROJECT	BURRUNDULLA MINI SUSTAINABLE ENERGY PARK	SHEET SIZE	A3
CLIENT ADDRESS	ITP DEVELOPMENT 3B SYDNEY ROAD BURRUNDULLA, NSW 2850	ORIG. DATE	7/1/21
DRAWING NO.	MUD3C-G-0400	REV. DATE	21/12/21
		REV. NO.	2



SITE INFORMATION

LOT / DP	6/1069441
ADDRESS	3B SYDNEY ROAD, BURRUNDULLA, NSW 2850
LGA	MID-WESTERN REGIONAL COUNCIL
LAT / LONG	-32.6337 / 149.625628
LOT AREA	67.4 ha
FENCED AREA	26.0 ha (A: 14.7 ha, B: 11.3 ha)
DNSP	ESSENTIAL ENERGY

PROJECT INFORMATION

AC CAPACITY	5.0 MW
INVERTERS	2 x 3.0 MW AC
TRACKER SPACING (N-S)	MIN. 1 m
ARRAY PITCH	6.25 m
CONNECTION VOLTAGE	22 kV
CONNECTION FEEDER	ESSENTIAL ENERGY MUD62
CONNECTION SUBSTATION	ESSENTIAL ENERGY MUDGEES
SECURITY FENCE SETBACK	MIN. 10 m FROM OPTION BOUNDARY
ARRAY SETBACK	MIN. 10 m FROM SECURITY FENCE
ACCESS PATH WIDTH	6.0 m & 4.0 m

1 GENERAL ARRANGEMENT PLAN

SCALE: 1:5000

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	GENERAL ARRANGEMENT PLAN
1	ISSUED FOR DA APPROVAL	13/06/2019	1. SYSTEM INFORMATION IS THE SAME FOR SYSTEM A AND SYSTEM B. 2. NEW VEGETATION AREAS ARE INDICATIVE, REFER TO LANDSCAPE CONCEPT PLAN		CHECKED	NL	PROJECT BURRUNDULLA MINI SUSTAINABLE ENERGY PARK CLIENT ITP DEVELOPMENT ADDRESS 3B SYDNEY ROAD BURRUNDULLA, NSW 2850 DRAWING NO. MUD3C-G-2100	SCALE AS NOTED
2	UPDATED EMERGENCY EXIT	11/10/2019			SHEET SIZE A3			
3	UPDATED FOR DA RESUBMISSION	30/09/2020			ORIG. DATE 13/1/21			
4	DEVELOPMENT APPLICATION	17/12/2021			REV. DATE 30/6/22			
5	DEVELOPMENT APPLICATION	30/06/2022			REV. NO. 5			
6	----	----						

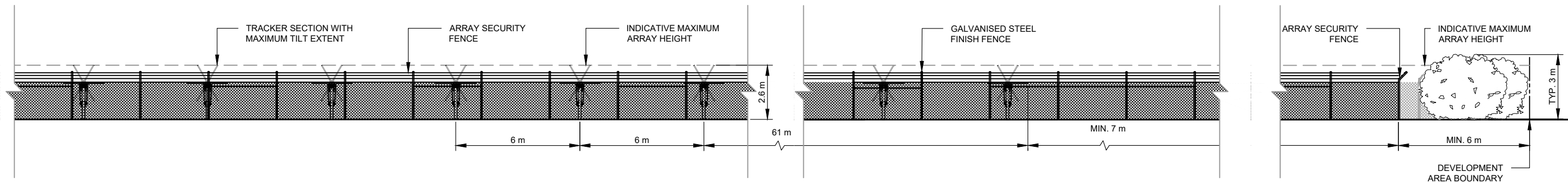


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 info@itp.com.au
 www.itpau.com.au

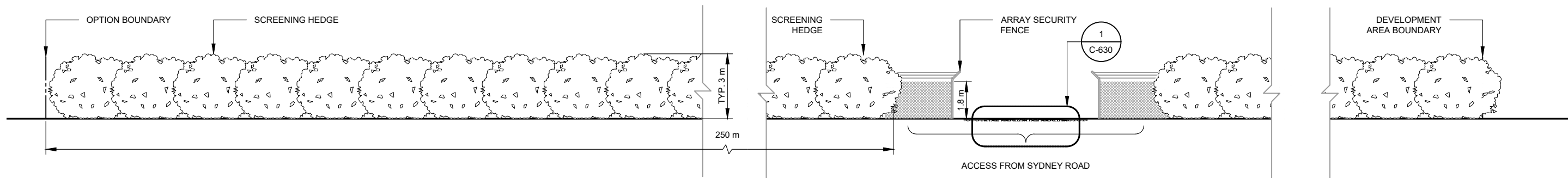
PO BOX 6217
 O'CONNOR, ACT 2602
 AUSTRALIA

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A SITE ELEVATION - INSIDE SOUTH BOUNDARY
G-2100 SCALE: 1:200



B SITE ELEVATION - SYDNEY ROAD FRONTAGE
G-2100 SCALE: 1:200

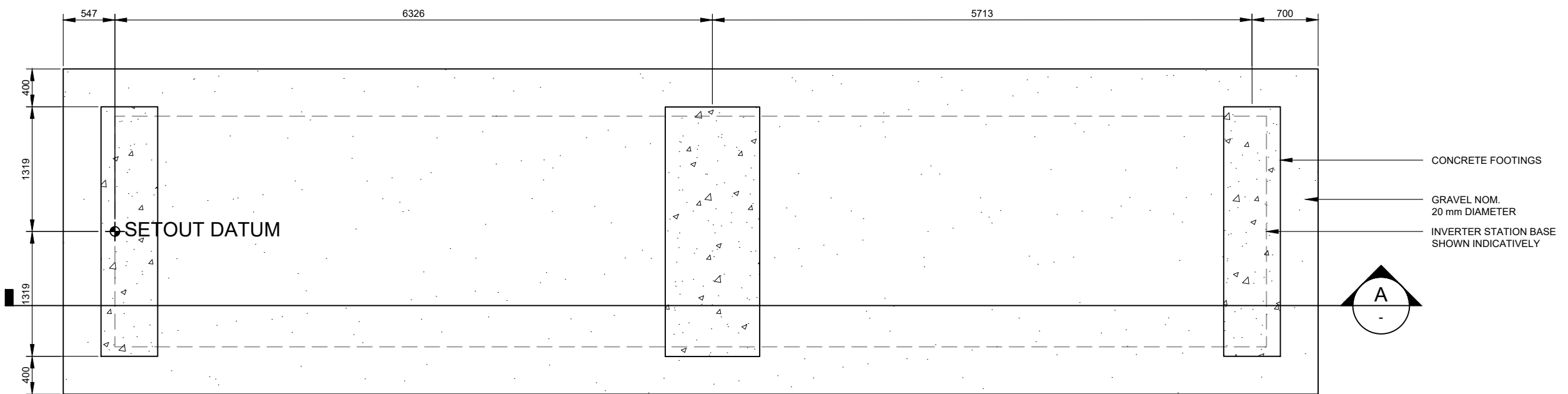
DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	SITE ELEVATIONS		
1	ISSUED FOR DA APPROVAL	13/06/2019	1. TRACKER AND MODULE DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT NOTICE.		CHECKED	AN	PROJECT	BURRUNDULLA MINI SUSTAINABLE ENERGY PARK		
2	UPDATED EMERGENCY EXIT	11/10/2019			APPROVED	AN	CLIENT ADDRESS	ITP DEVELOPMENT 3B SYDNEY ROAD BURRUNDULLA, NSW 2850		
3	UPDATED ACCESS ROAD & EMERGENCY EXIT	12/10/2020			DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	SCALE	AS NOTED			
4	DEVELOPMENT APPLICATION	16/12/2021			THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	SHEET SIZE	A3			
5	----	----				ORIG. DATE	23/5/19			
6	----	----				REV. DATE	21/12/21			
							DRAWING NO.	MUD3C-G-2200	REV. NO.	4

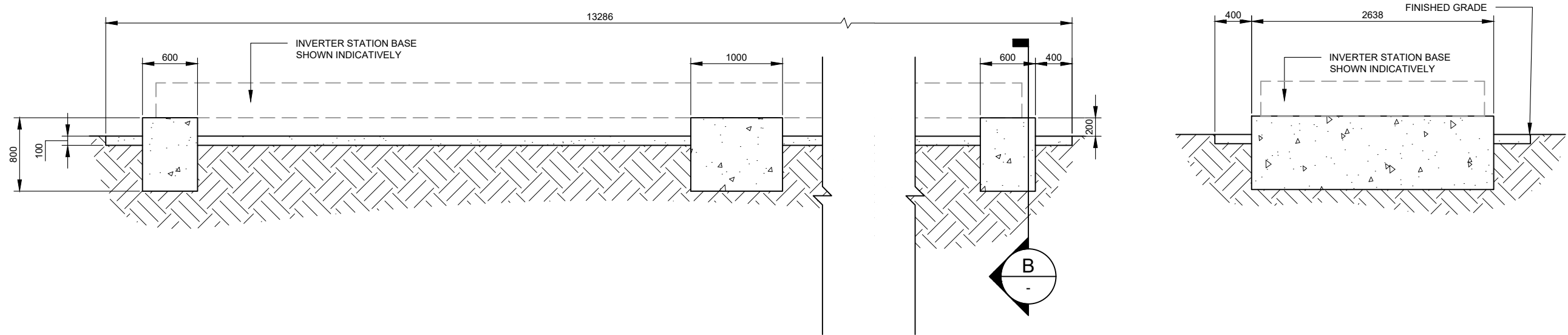


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1 INVERTER FOOTING PLAN
SCALE: 1:50

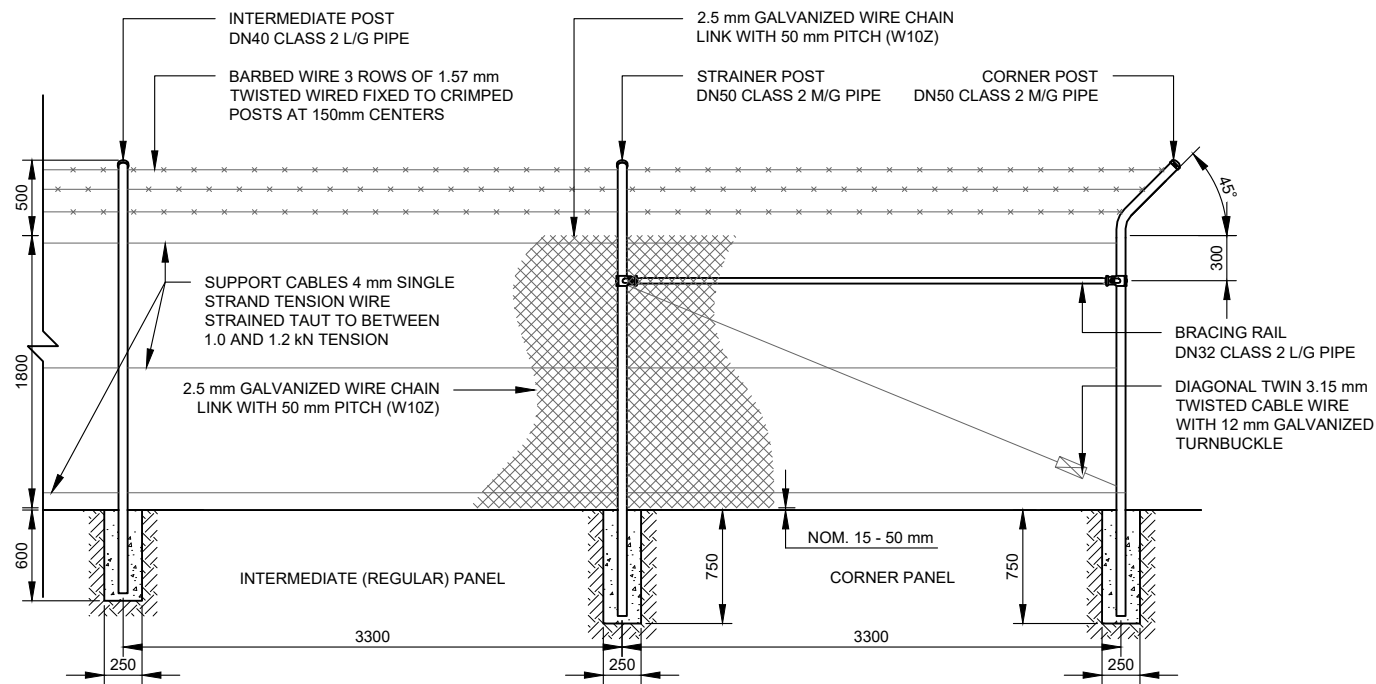


A SIDE SECTION
SCALE: 1:50

B END SECTION
SCALE: 1:50

DEVELOPMENT APPLICATION

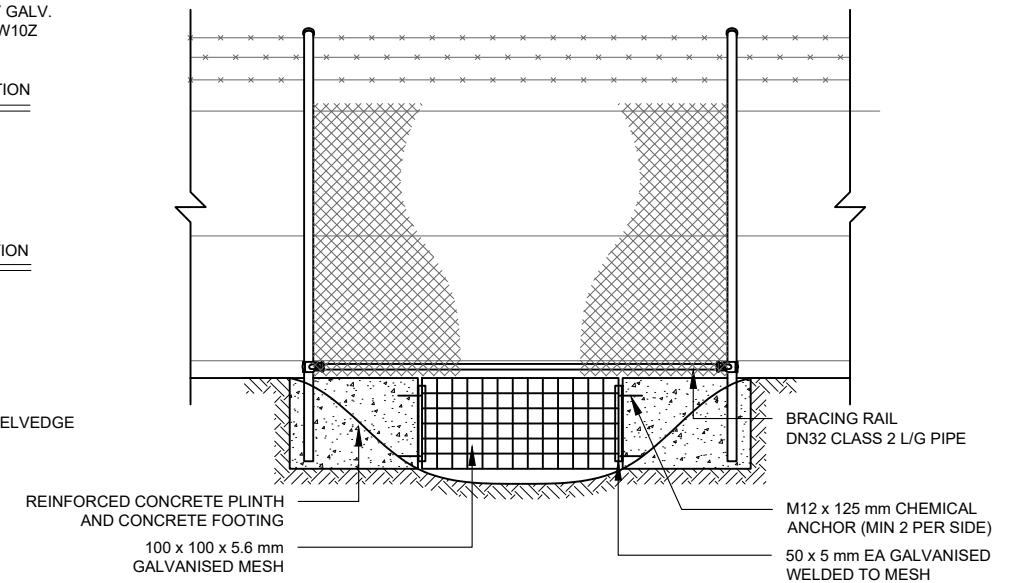
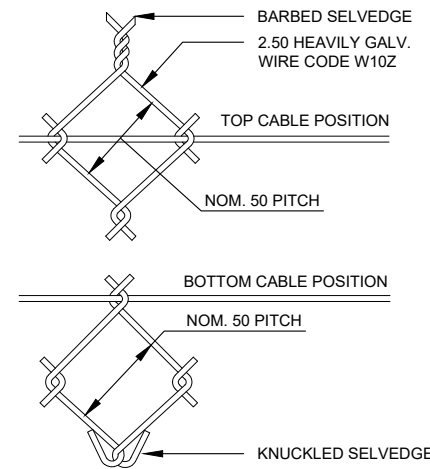
NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	INVERTER FOOTING DETAILS
1	ISSUED FOR DA APPROVAL	13/06/2019			CHECKED	----	PROJECT	BURRUNDULLA MINI SUSTAINABLE ENERGY PARK
2	DEVELOPMENT APPLICATION	16/12/2021			APPROVED	----	CLIENT ADDRESS	ITP DEVELOPMENT 3B SYDNEY ROAD BURRUNDULLA, NSW 2850
3	----	----			DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.		SCALE	AS NOTED
4	----	----			THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.		SHEET SIZE	A3
5	----	----			 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA		ORIG. DATE	27/11/18
6	----	----					REV. DATE	15/12/21
							DRAWING NO.	MUD3C-C-4300
							REV. NO.	1



1 TYPICAL FENCE SECTION

SCALE: 1:50

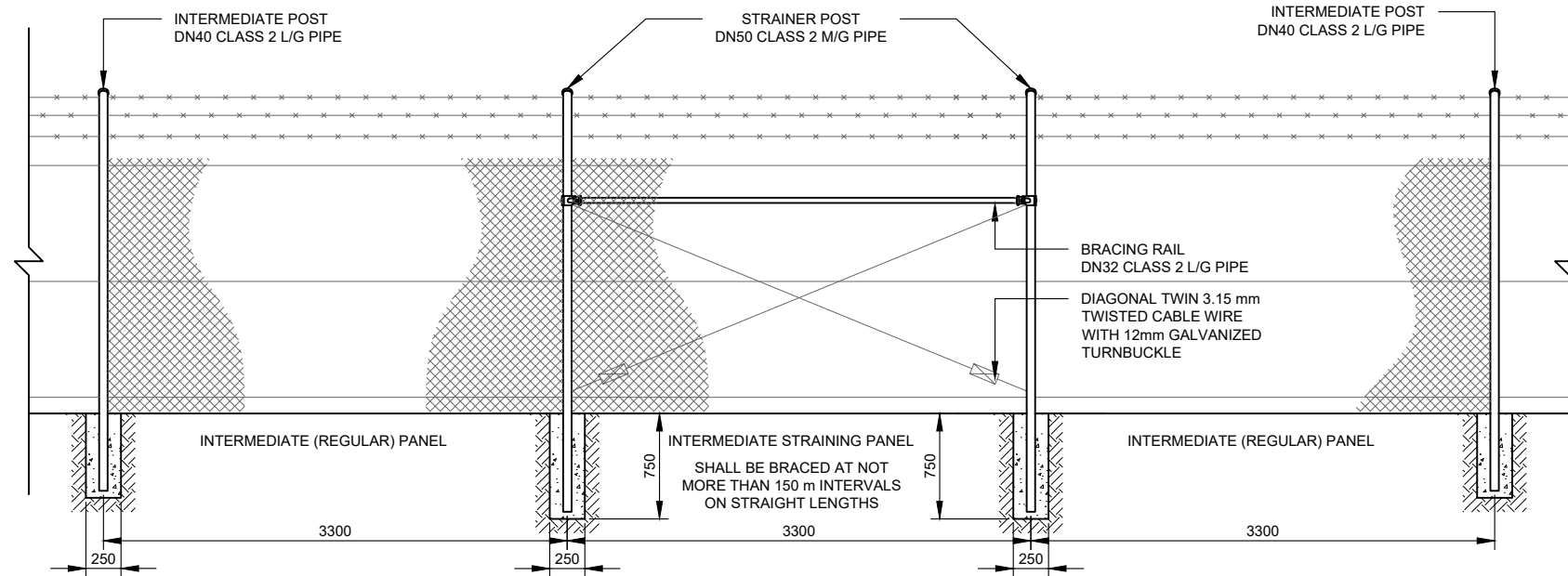
FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1



3 TYPICAL STORMWATER CROSSING

SCALE: 1:50

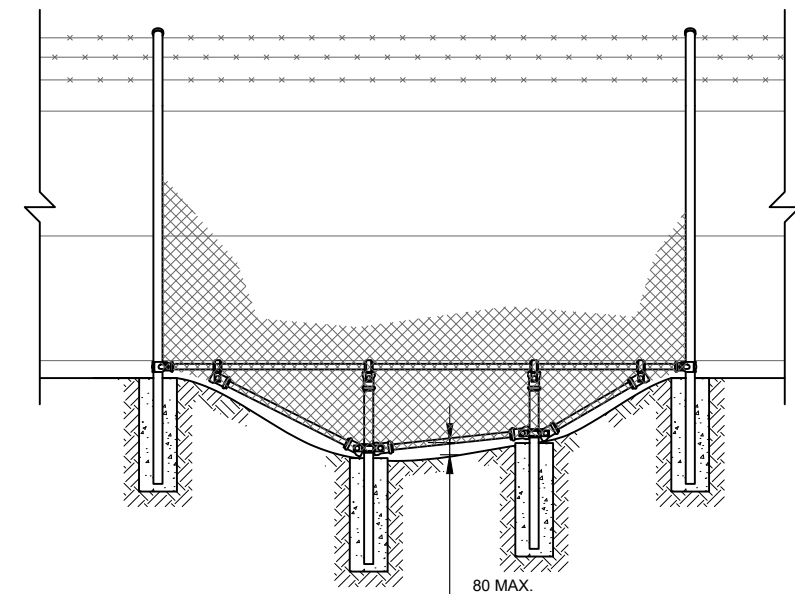
FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1



2 INTERMEDIATE STRAINING PANEL FENCE SECTION

SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1



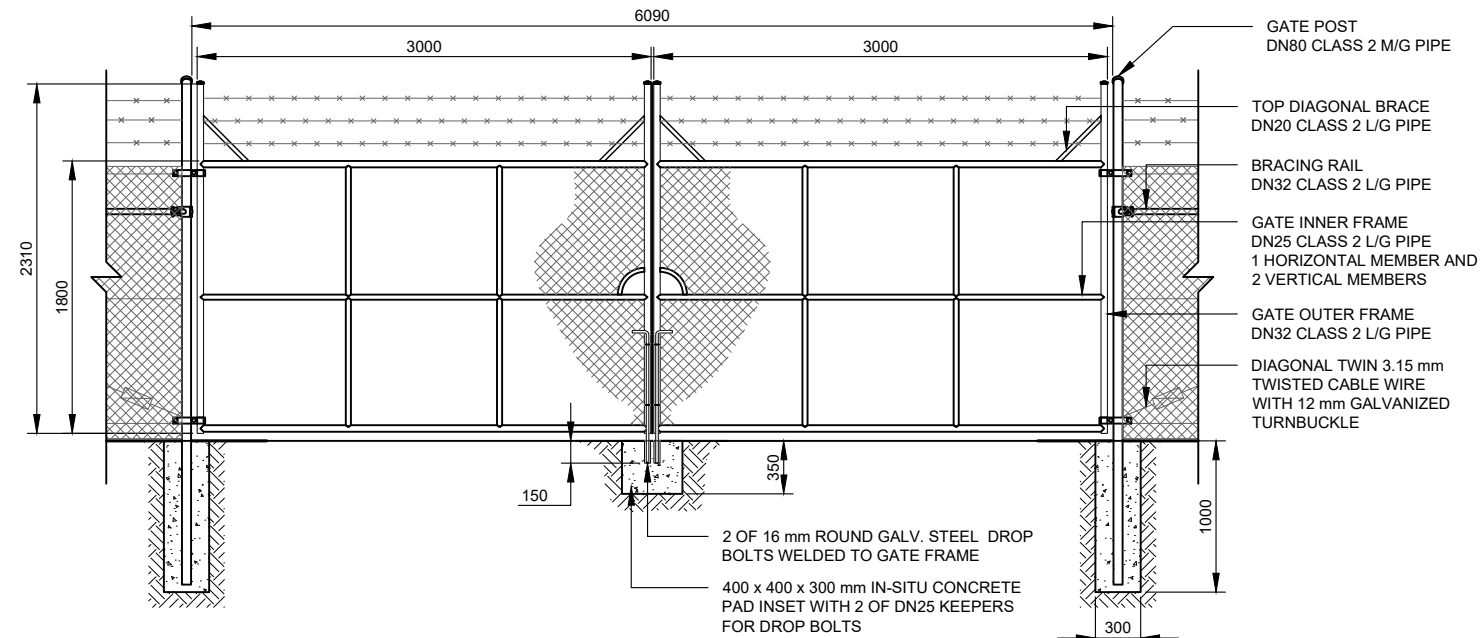
4 TYPICAL GULLY CROSSING

SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1

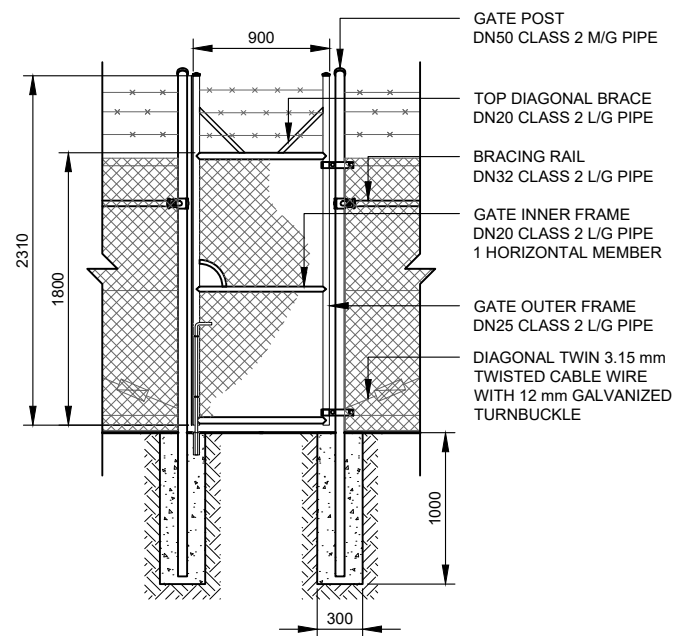
DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	FENCING DETAILS
1	ISSUED FOR DA APPROVAL	13/06/2019	1. GALVANISED STEEL FINISH.			CHECKED ---- APPROVED ---- DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	PROJECT BURRENDULLA MINI SUSTAINABLE ENERGY PARK CLIENT ITP DEVELOPMENT ADDRESS 3B SYDNEY ROAD BURRENDULLA, NSW 2850 DRAWING NO. MUD3C-C-5300	SCALE AS NOTED
2	DEVELOPMENT APPLICATION	16/12/2021						SHEET SIZE A3
3	----	----						ORIG. DATE 23/11/18
4	----	----						REV. DATE 16/12/21
5	----	----						REV. NO. 2
6	----	----						



5 DOUBLE LEAF 6 METRE GATE SECTION
SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1

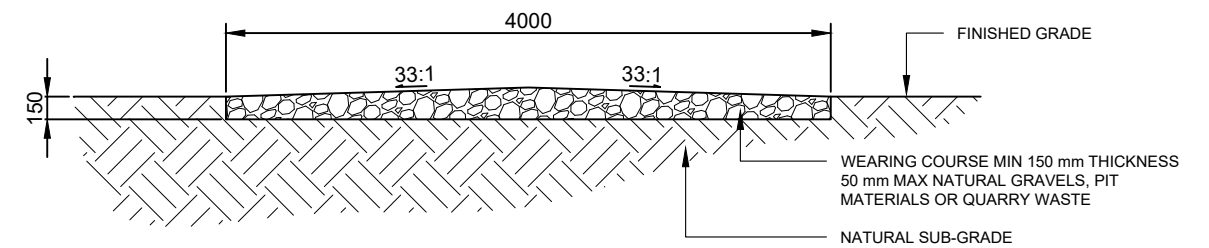
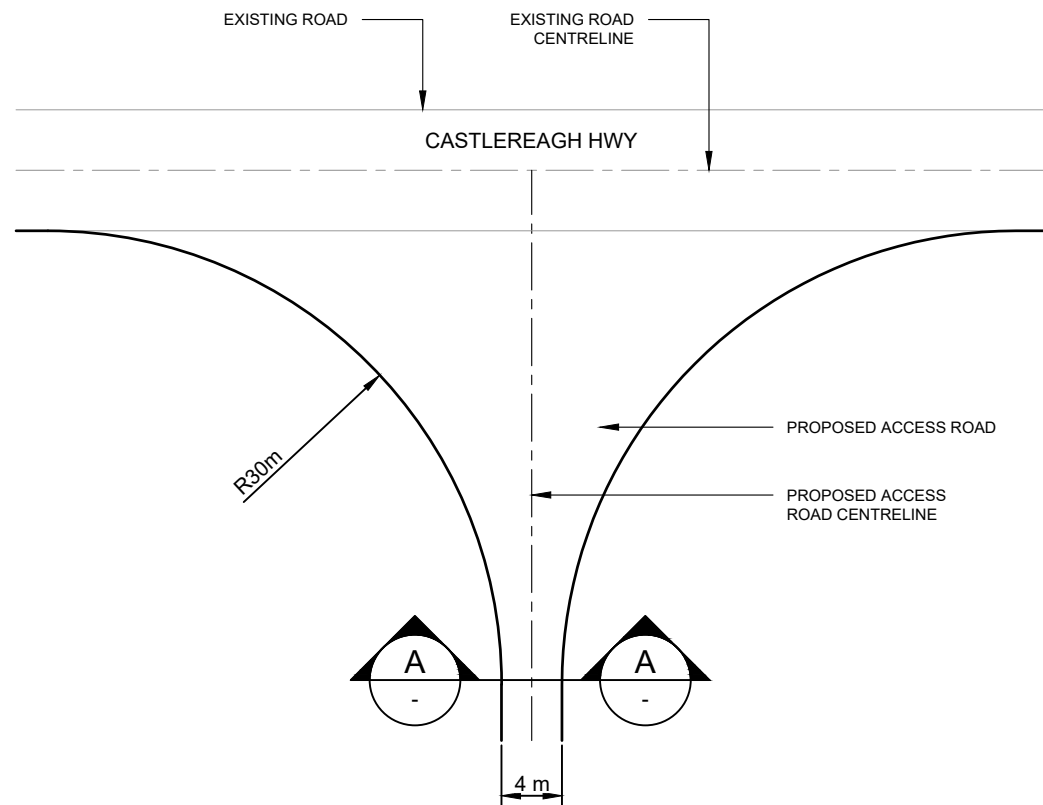


7 SINGLE LEAF GATE SECTION
SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1

DEVELOPMENT APPLICATION


NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	GATE DETAILS
1	ISSUED FOR DA APPROVAL	13/06/2019	1. GALVANISED STEEL FINISH.		 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	CHECKED ---- APPROVED ---- DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	PROJECT BURRENDULLA MINI SUSTAINABLE ENERGY PARK CLIENT ITP DEVELOPMENT ADDRESS 3B SYDNEY ROAD BURRENDULLA, NSW 2850 DRAWING NO. MUD3C-C-5301	SCALE AS NOTED
2	DEVELOPMENT APPLICATION	16/12/2021						SHEET SIZE A3
3	----	----						ORIG. DATE 23/11/18
4	----	----						REV. DATE 16/12/21
5	----	----						REV. NO. 2
6	----	----						

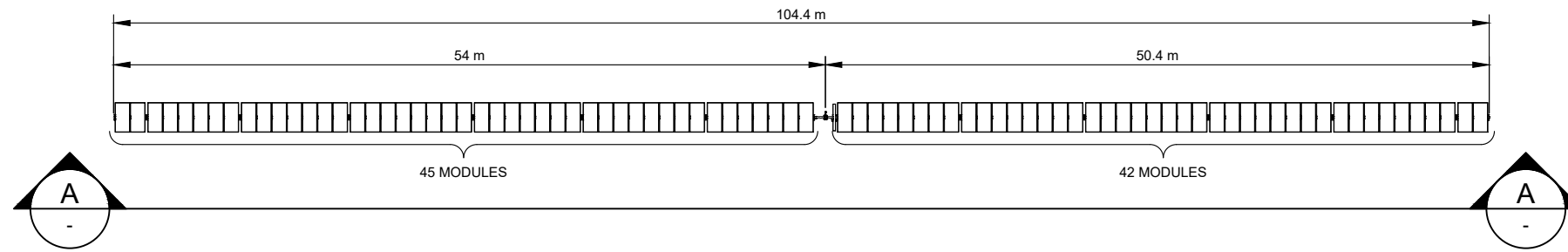


1 INDICATIVE TURNING DETAIL PLAN
SCALE: 1:500

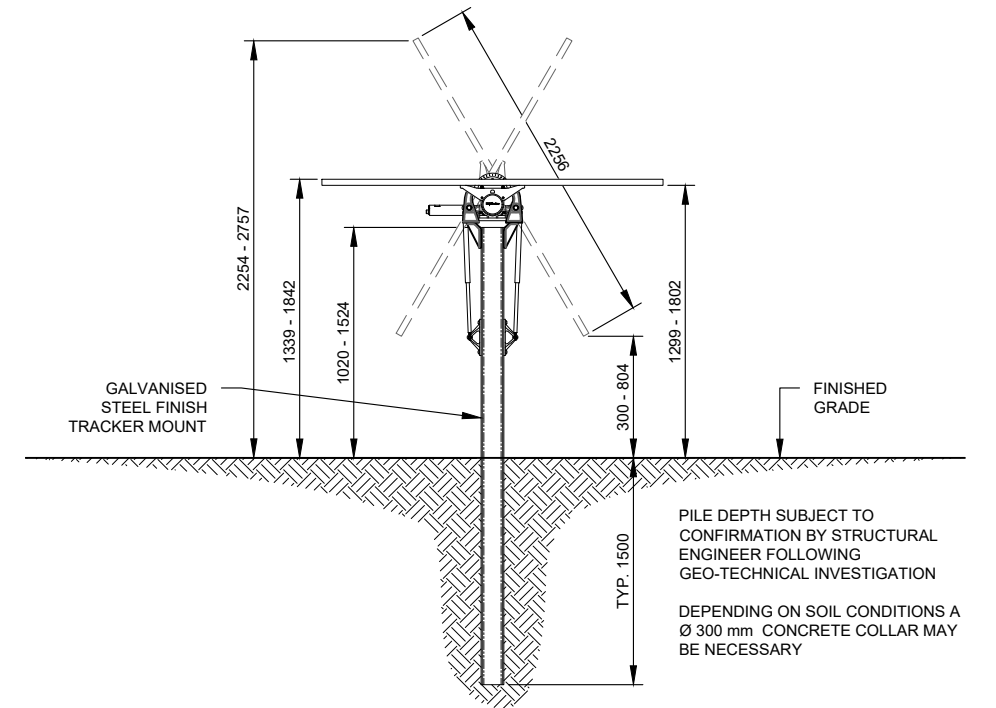
A CROSS SECTION - ACCESS PATH
SCALE: 1:50

DEVELOPMENT APPLICATION

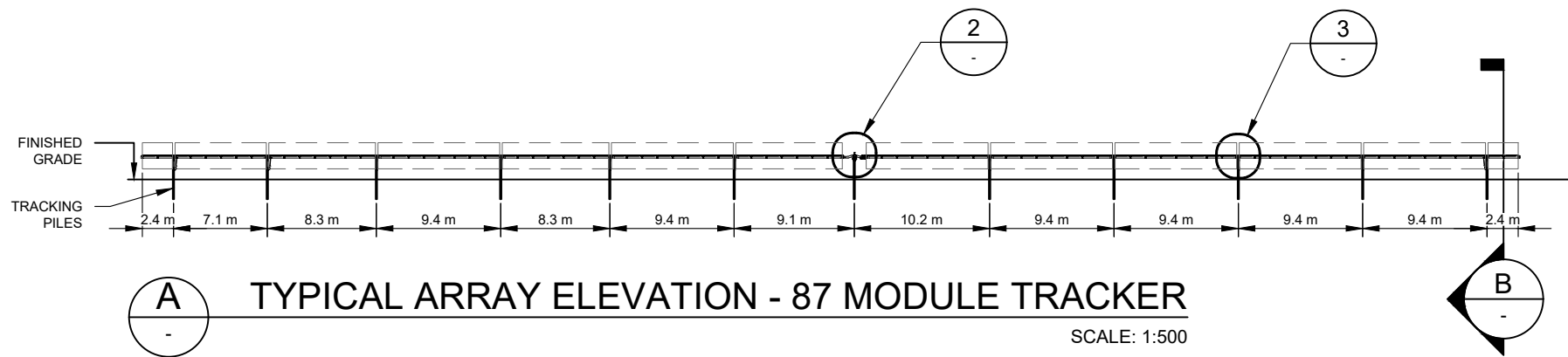
NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	ACCESS PATH DETAILS	SCALE	AS NOTED
1	ISSUED FOR DA APPROVAL	13/06/2019			CHECKED	AN	PROJECT	BURRUNDULLA MINI SUSTAINABLE ENERGY PARK	SHEET SIZE	A3
2	DEVELOPMENT APPLICATION	16/12/2021			APPROVED	AN	CLIENT ADDRESS	ITP DEVELOPMENT 3B SYDNEY ROAD BURRUNDULLA, NSW 2850	ORIG. DATE	5/9/18
3	----	----			DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.		DRAWING NO.	MUD3C-C-6300	REV. DATE	20/12/21
4	----	----			THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.		REV. NO.	2		
5	----	----			 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA					
6	----	----								



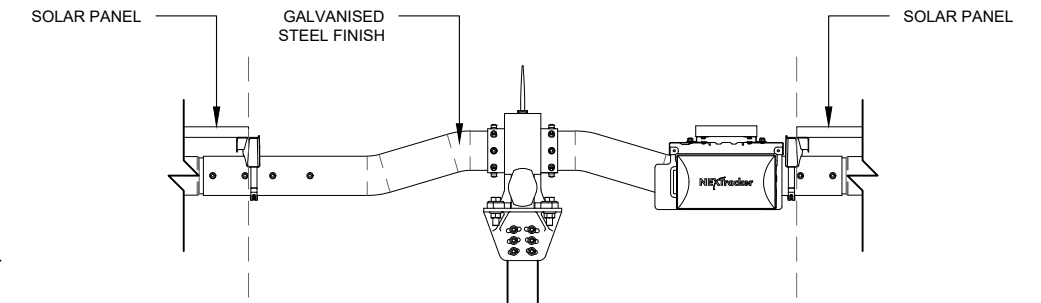
1 TYPICAL ARRAY PLAN - 87 MODULE TRACKER
SCALE: 1:500



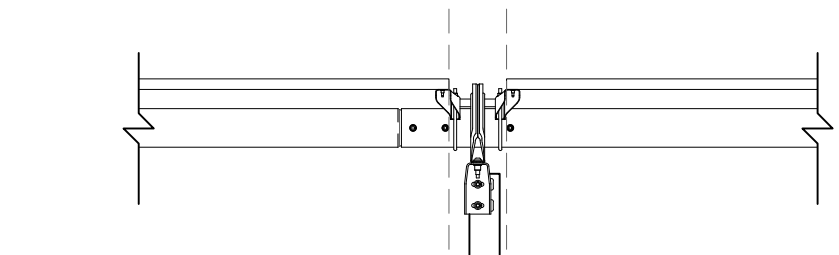
B TYPICAL ARRAY END ELEVATION
SCALE: 1:50



A TYPICAL ARRAY ELEVATION - 87 MODULE TRACKER
SCALE: 1:500




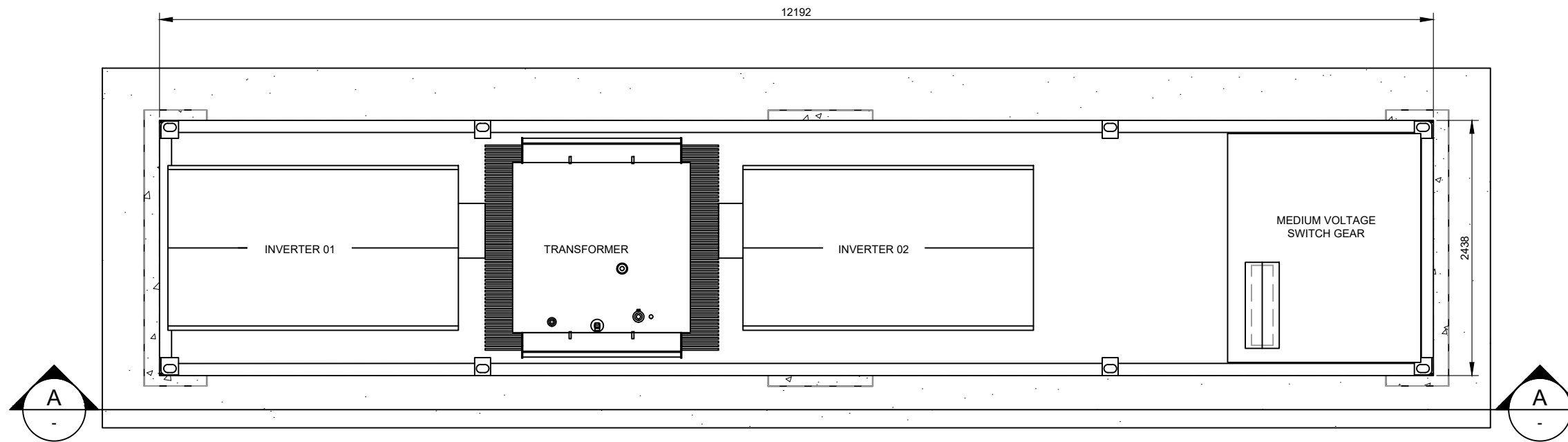
2 SELF POWERED CONTROLLER DETAIL
SCALE: NTS



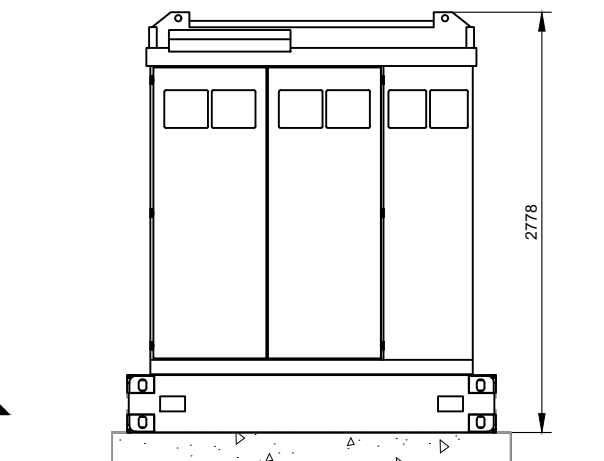
3 DAMPER DETAIL
SCALE: NTS

DEVELOPMENT APPLICATION

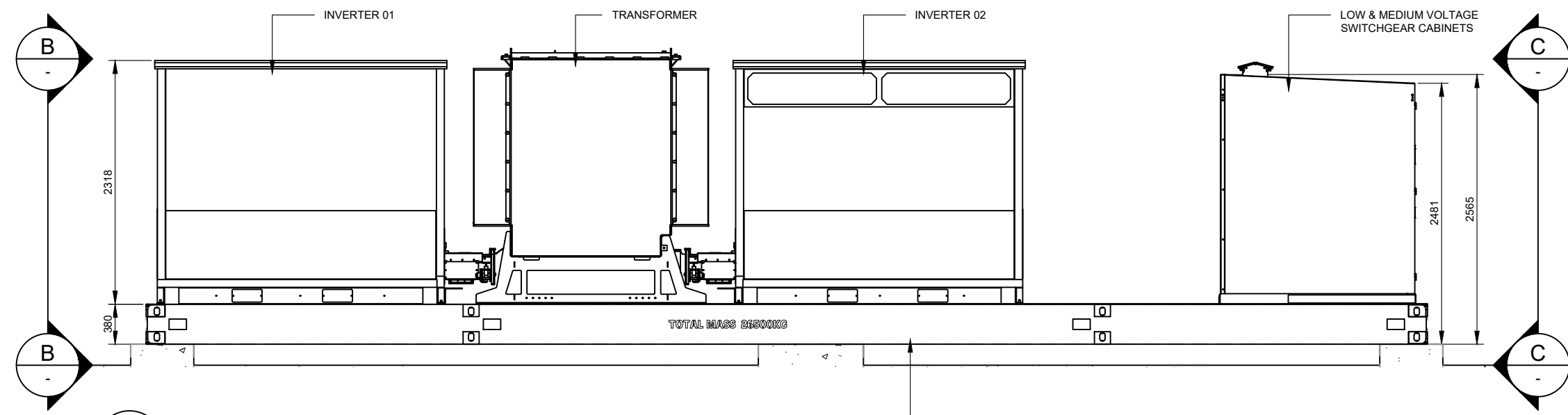
NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	NEXTRACKER ARRAY DETAILS				
1	ISSUED FOR DA APPROVAL	13/06/2019	1. TRACKER AND MODULE DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT NOTICE.		CHECKED	----	PROJECT	BURRUNDULLA MINI SUSTAINABLE ENERGY PARK				
2	DEVELOPMENT APPLICATION	16/12/2021			APPROVED	----	CLIENT	ITP DEVELOPMENT	SCALE AS NOTED			
3	----	----			DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	ADDRESS	3B SYDNEY ROAD BURRUNDULLA, NSW 2850	SHEET SIZE A3			
4	----	----				PROJECT	BURRUNDULLA MINI SUSTAINABLE ENERGY PARK	SCALE AS NOTED				
5	----	----				CLIENT	ITP DEVELOPMENT	SCALE AS NOTED				
6	----	----				ADDRESS	3B SYDNEY ROAD BURRUNDULLA, NSW 2850	SCALE AS NOTED				
					PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWING NO.	MUD3C-E-3400	REV. DATE	16/12/21	REV. NO.	2



1 PLAN VIEW
SCALE: 1:50

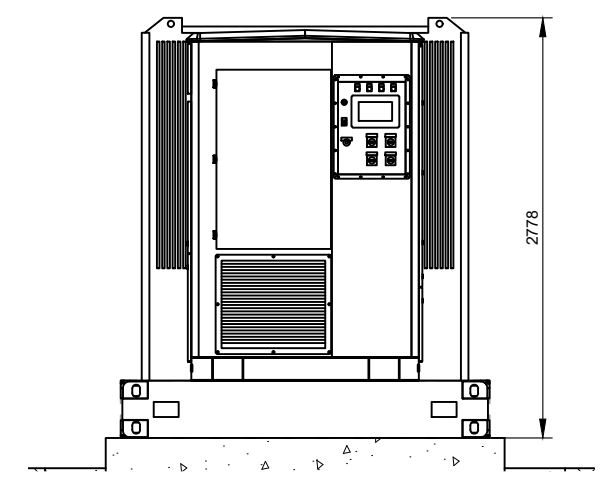


C END ELEVATION
SCALE: 1:50



A SIDE ELEVATION
SCALE: 1:50

INVERTER STATION SKID BASE WITH INTEGRATED TRANSFORMER OIL CONTAINMENT

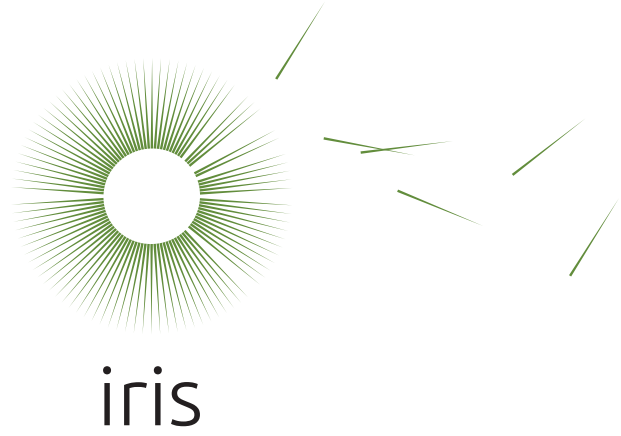


B END ELEVATION
SCALE: 1:50

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	DRAWING	INVERTER STATION DETAILS	
1	ISSUED FOR DA APPROVAL	13/06/2019	1. GALVANISED AND PAINTED STEEL FINISH.		CHECKED	----	PROJECT	BURRUNDULLA MINI SUSTAINABLE ENERGY PARK	
2	DEVELOPMENT APPLICATION	16/12/2021			APPROVED	----	SCALE	AS NOTED	
3	----	----			DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CUSTOMER ADDRESS	ITP DEVELOPMENT 3B SYDNEY ROAD BURRUNDULLA, NSW 2850	SHEET SIZE	A3
4	----	----			THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO.	MUD3C-E-4300	ORIG. DATE	10/9/18
5	----	----				REV. DATE	16/12/21	REV. NO.	2
6	----	----							





Burrundulla Mini Sustainable Energy Park

3B Sydney Road, Burrundulla, IT Power (Australia) Pty Ltd

Landscape Concept



July 2022



Image 1 - Existing trees along the western boundary of the site

EXISTING CONDITIONS:

The site includes a few scattered trees but is otherwise cleared and has historically been used for grazing and cropping. There is a single row of mature trees along part of the western boundary of the site (image 1).

There is also some native vegetation on the adjoining site to the south which is forming a visual screen (image 2). There are ornamental trees and gardens along the surrounding driveways and around the residential dwellings (image 3).

LANDSCAPE STRATEGY:

A landscape concept plan has been developed based on consideration of the potential visibility of the site. The objectives of this landscape plan are to:

- Reduce the visibility of the site from adjacent sensitive receivers (including neighbouring residences and views from the Castlereagh Highway)
- Improve the character of the landscape through the restoration of native vegetation
- Provide habitat and increase local biodiversity through the use of local plant species.



Image 2 - Native screen planting on adjacent property, viewed from the site



Image 3 - Callistemon sp. forming a dense hedge on neighbouring property

The landscape plan identifies three landscape treatments for the site. These are:

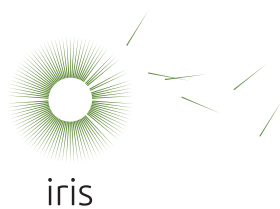
1. Native screen planting (10 metres wide)
2. Mounding with scattered trees in pasture
3. Scattered trees in pasture

These landscape treatments are shown on the landscape plan on Figure 2.

To ensure the suitability of planting for the local conditions, the plant species proposed for these landscape treatments have been selected from the:

- *Native Species Revegetation, A Guide for the Mid Western Regional Council Area*, Watershed Landcare Incorporated (in association with the Australian Government National Landcare Program)
- *Native Plants for Mudgee Gardens*, Australian Plant Society, Central West Group, 2010
- *Planting your patch, A guide to revegetation on your property*, State of New South Wales Local Land Services, 2016.

Further consultation with Council Officers and local land care groups would be undertaken during detail design.



Burrundulla Mini Sustainable Energy Park

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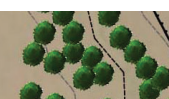


FIGURE 1: EXISTING CONDITIONS & LANDSCAPE STRATEGY

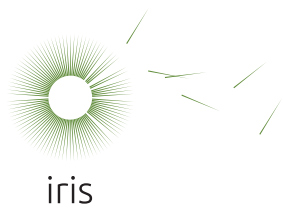
Date: July 2022
Job Number: 2021-223

Drawn: SR
Issue: Rev2



Key:

-  1. Native screen planting (10 metres wide)
-  2. Mounding (max. 1:5 slope to 3 metres tall) with scattered trees in pasture
-  3. Scattered trees in pasture
-  Existing trees to be retained
-  Existing trees to be removed



Burrundulla Mini Sustainable Energy Park

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FIGURE 2: LANDSCAPE PLAN

Date: 1 July 2022
Job Number: 2021-223

Drawn: SR
Issue: Rev3

1. NATIVE SCREEN PLANTING

A mix of native trees and shrubs with a dense and compact habit have been selected to provide a maximum screening effect.

The following plant list includes a number of 'pioneer species' which should establish quickly and form an effective visual screen in the short term. While some of these species are relatively short lived (7-12 years), they will disperse seed and new plants will regenerate so that a self-sustaining vegetation screen is maintained in the long term.

Plant list:

Species name, Common name

Mature height

Native trees

<i>Acacia falciformis</i> , Broad-leaved hickory*	2-10m
<i>Acacia implexa</i> , Black wattle*	5-12m
<i>Allocasuarina verticilla</i> , Drooping she-oak*	3-7m
<i>Callistemon salignus</i> , Willow bottlebrush*	3-10m
<i>Callistemon viminalis</i> , Weeping bottlebrush+	6-9m
<i>Eucalyptus albens</i> , White box*	25m
<i>Eucalypt dealbata</i> , Tumble-down red gum*	15m

Native shrubs

<i>Acacia decora</i> , Western silver wattle*-	2-4m
<i>Acacia difformis</i> , Drooping wattle*	1-6m
<i>Acacia hakeoides</i> , Hakea wattle*	1-6m
<i>Acacia spectabilis</i> , Mudgee wattle*-	1-4m
<i>Callistemon citrinus</i> , Crimson bottlebrush*+	1-3m
<i>Dodonaea viscosa</i> 'angustifolia', Sticky hop bush*	1-5m
<i>Dodonaea viscosa</i> 'cuneata' Wedge-leaf hop bush*	1-3m
<i>Melicotus dentatus</i> , Tree violet/Gruggly bush*	1-3m

Source:

* Native species revegetation, A Guide for the Mid Western Regional Council Area, Watershed Landcare Incorporated

+ from Australian Plants Society, Central West Group, Native plants for Mudgee Gardens

- Pioneer species, fast growing, relatively short lived (up to 12 years)

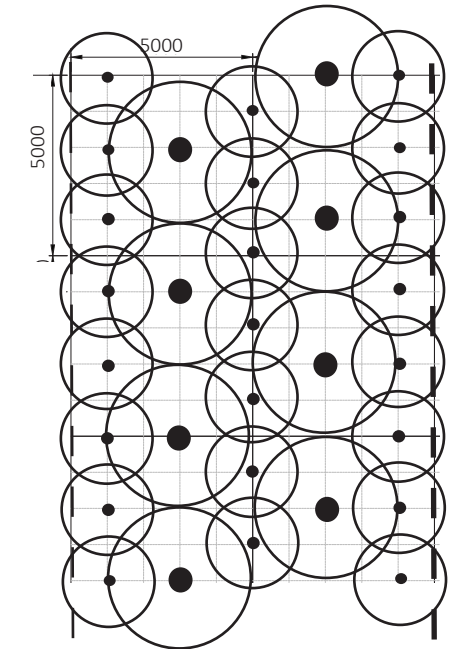
Plant set-out matrix

Trees and shrubs will be staggered to maximise the screening effect.

Specification notes

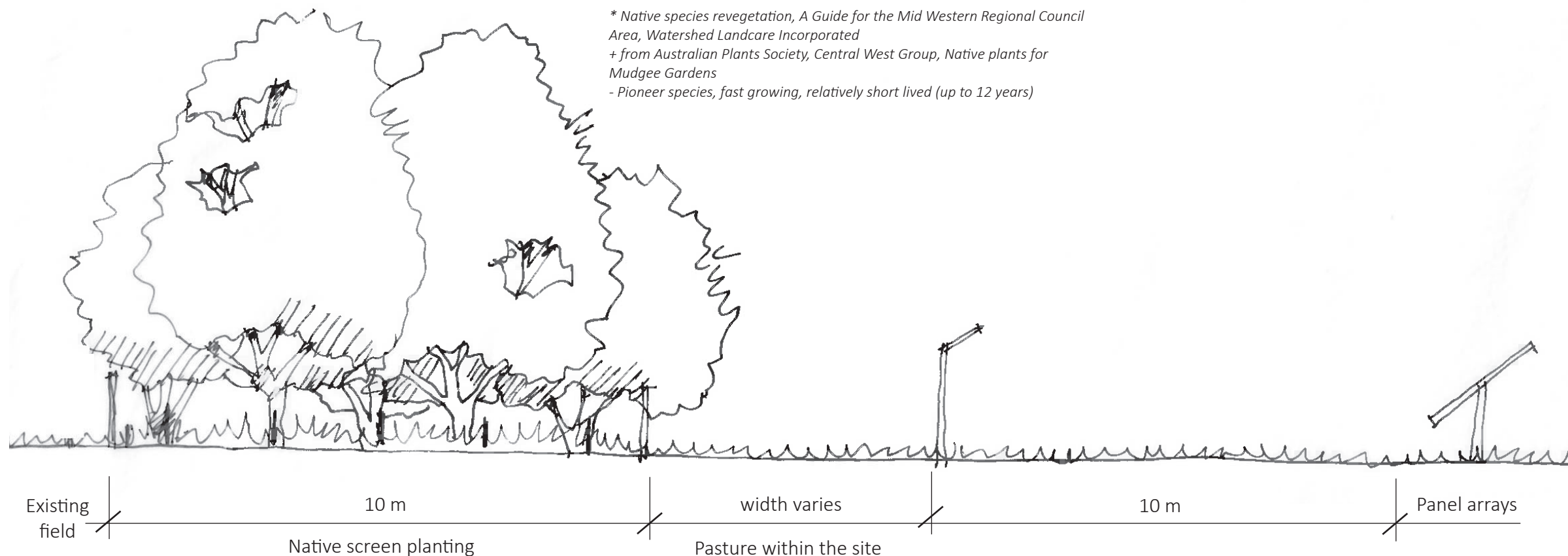
- Five offset rows of trees and shrubs as per the set out matrix.
- Ripped lines to a depth of 500mm and cultivated to a depth of 150mm. Ripping to follow the contours
- 3 month (13 week) establishment followed by a 21 month monitoring period (total 24 months). Ongoing maintenance would be managed by the operator for the life of the project.
- Refer to the Vegetation Management Plan for further details.

10 metre wide screening matrix



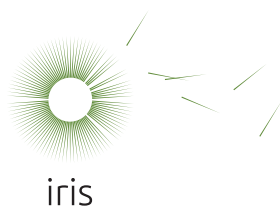
KEY

- Small trees
- Shrubs
- Solar farm security fence
- Site boundary fence



A - A Indicative cross section, Native screen planting

Scale: 0m 1 2 5m



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FIGURE 3: NATIVE SCREEN PLANTING

Date: July 2022
Job Number: 2021-223
Drawn: SR
Issue: Rev3

3. SCATTERED TREES IN PASTURE

Areas within the solar farm fence will be sown with pasture grasses to allow for grazing of the property during operation.

Groups and scattered individual trees will be located through the centre of the site within the pasture grass. These trees will be local native species with a single trunk and open canopy. These will provide some filtering of views where the solar farm can be seen from elevated areas, provide tree canopy cover and habitat.

Plant list:

Species name, Common name	Mature
height	

Large native trees

<i>Angophora floribunda</i> , Rough barked apple*	30m
<i>Eucalyptus albens</i> , White box*	25m
<i>Eucalyptus blakelyi</i> , Blakelys red gum*	20m
<i>Eucalyptus bridgesiana</i> , Apple box*	20m
<i>Eucalyptus microcarpa</i> , Western grey box*	25m
<i>Eucalyptus melliodora</i> , Yellow box*	30m

Source:

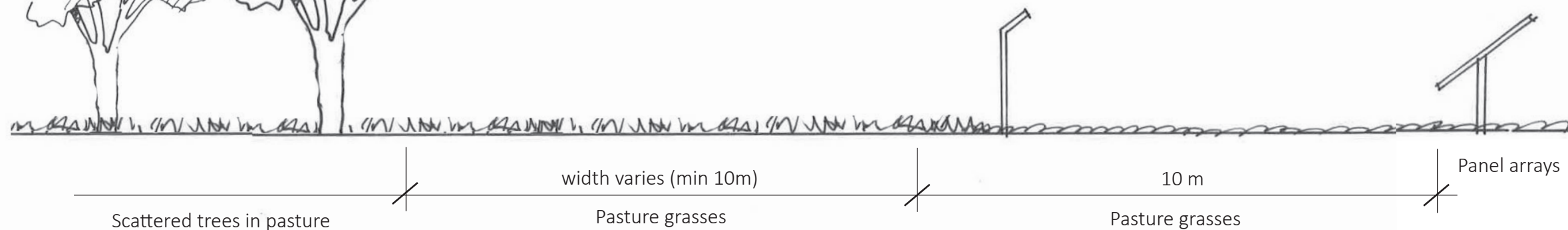
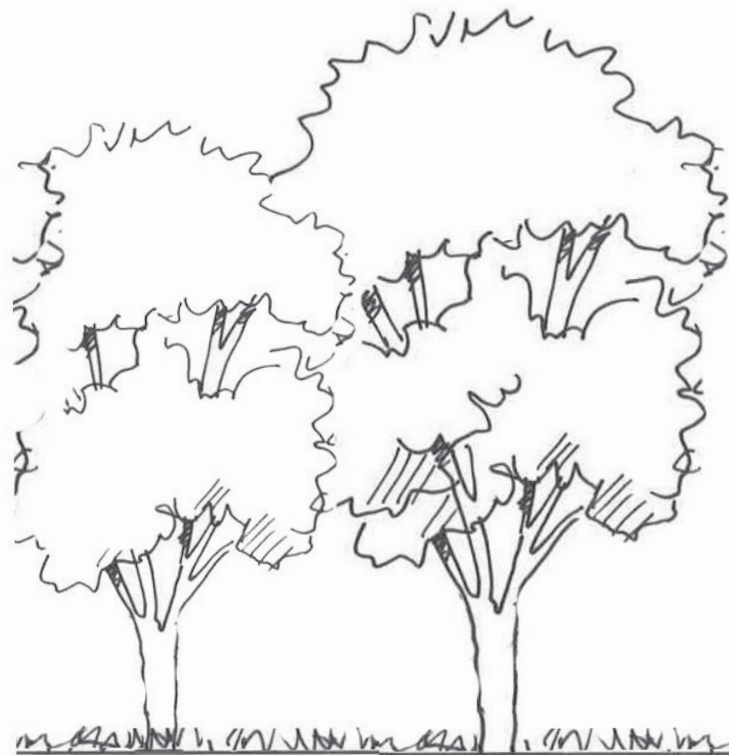
* Native species revegetation, A Guide for the Mid Western Regional Council Area, Watershed Landcare Incorporated

Plant set-out

Trees would be setout in an informal layout, with individual and groups of trees . All trees to be set back a minimum of 10 metres and larger trees by 20 metres from the solar farm fence to minimise overshadowing of the panel array area.

Specification notes

- Individual planting holes to be excavated, backfilled with ameliorated site soil and mulch to be applied across disturbed area.
- 3 month (13 week) establishment followed by a 21 month monitoring period (total 24 months). Ongoing maintenance would be managed by the operator for the life of the project.
- Refer to the Vegetation Management Plan for further details.



B - B Indicative cross section - Native revegetation areas



Eucalyptus melliodora, Yellow box



Eucalyptus albens, White box



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FIGURE 4: SCATTERED TREES IN PASTURE

Date: June 2022
Job Number: 2021-223

Drawn: SR
Issue: Rev3

2. MOUNDING WITH SCATTERED TREES IN PASTURE

Mounds would be located to provide an immediate screening effect in views from the Castlereagh Highway and residences within 500 metres of the panel arrays. The mounding would be gently sloping (to a maximum gradient of 1:5) to fit within the character of the surrounding undulating landform. Mounding has been located on higher ground, where possible, to maximise their effectiveness. These areas would be sown with pasture grasses and suitable for grazing during operation.

Scattered individual trees will be located across the mounds to improve the amenity of views from surrounding areas. These trees will be local native species with a single trunk and open canopy. These trees will provide some filtering of views where the solar farm can be seen from elevated areas, provide tree canopy cover and habitat.

Plant list:

Species name, Common name	Mature height
Large native trees	
<i>Angophora floribunda</i> , Rough barked apple*	30m
<i>Eucalyptus albens</i> , White box*	25m
<i>Eucalyptus blakelyi</i> , Blakelys red gum*	20m
<i>Eucalyptus bridgesiana</i> , Apple box*	20m
<i>Eucalyptus microcarpa</i> , Western grey box*	25m
<i>Eucalyptus melliodora</i> , Yellow box*	30m

Source:

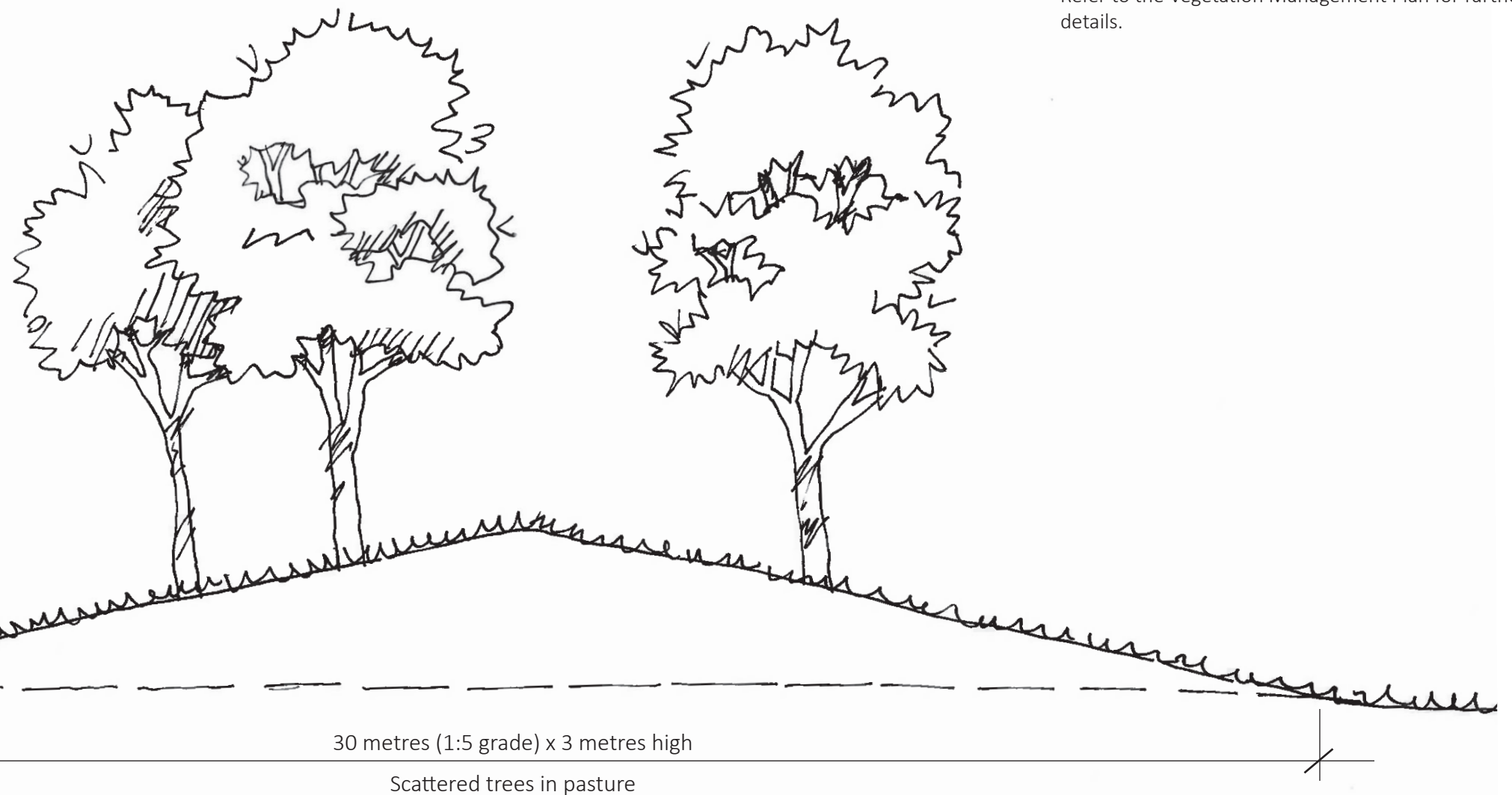
* Native species revegetation, A Guide for the Mid Western Regional Council Area, Watershed Landcare Incorporated

Plant set-out

Trees would be setout in an informal layout, with individual and groups of trees. All trees to be set back a minimum of 10 metres and larger trees by 20 metres from the solar farm fence to minimise overshadowing of the panel array area.

Specification notes

- Individual planting holes to be excavated, backfilled with ameliorated site soil and mulch to be applied across disturbed area.
- 3 month (13 week) establishment followed by a 21 month monitoring period (total 24 months). Ongoing maintenance would be managed by the operator for the life of the project.
- Temporary fences and / or tree guard sleeves and stakes to be installed and maintained until trees would not be impacted by grazing livestock.
- Refer to the Vegetation Management Plan for further details.



C - C Indicative cross section, mounding with scattered trees in pasture areas

Scale: 0m 1 2 5m



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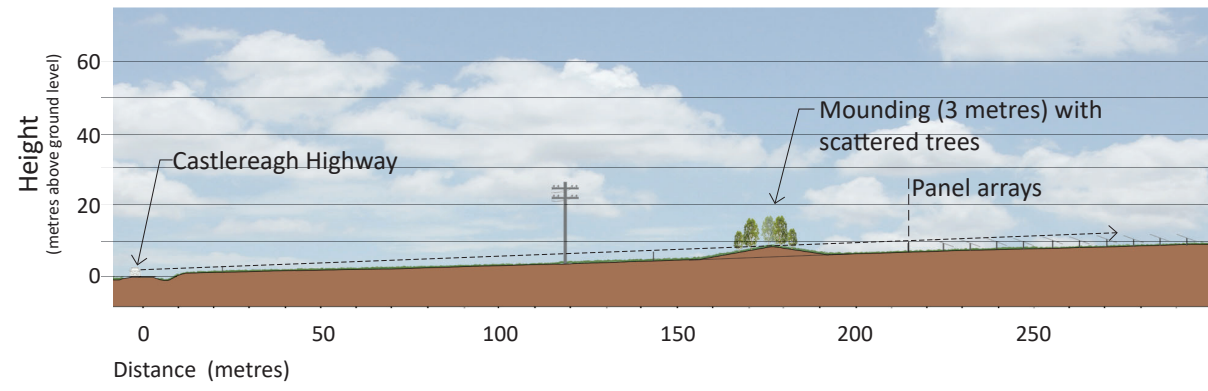
FIGURE 5: SCATTERED TREES IN PASTURE AREAS

Date: July 2022

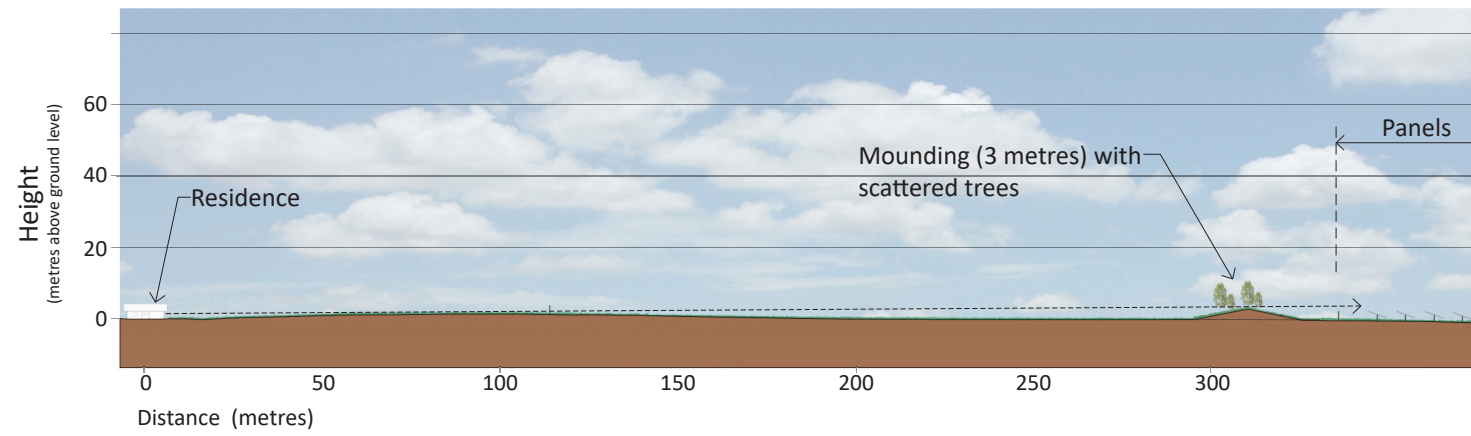
Job Number: 2021-223

Drawn: SR

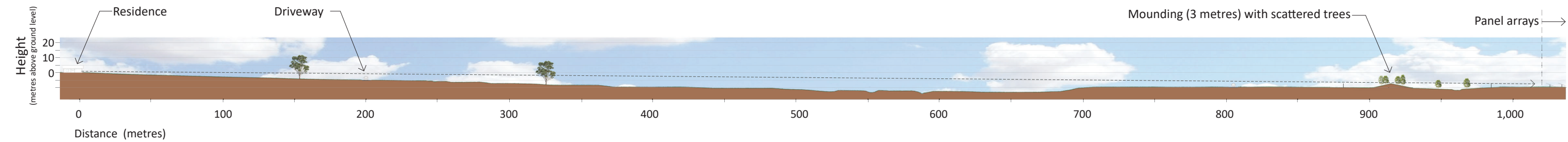
Issue: Rev1



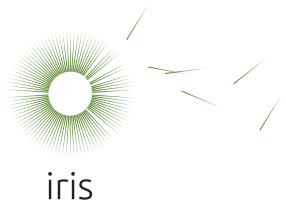
D - D Long section showing screening effect of mounding on views from the Castlereagh Highway



E - E Long section showing screening effect of mounding on view from dwelling at 312 Castlereagh Highway



F - F Long section showing screening effect of mounding on views from short term holiday let at 433 Castlereagh Highway



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FIGURE 6: LONG SECTIONS

Date: July 2022
Job Number: 2021-223

Drawn: SR
Issue: Rev1