

GEURIE 5MW SOLAR FARM

DEVELOPMENT APPLICATION

ADDRESS:
261 THE OLD ROAD
GEURIE
NSW 2818

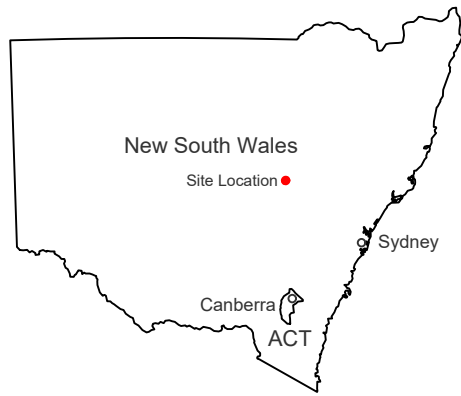


DEVELOPED BY:
ITP DEVELOPMENT

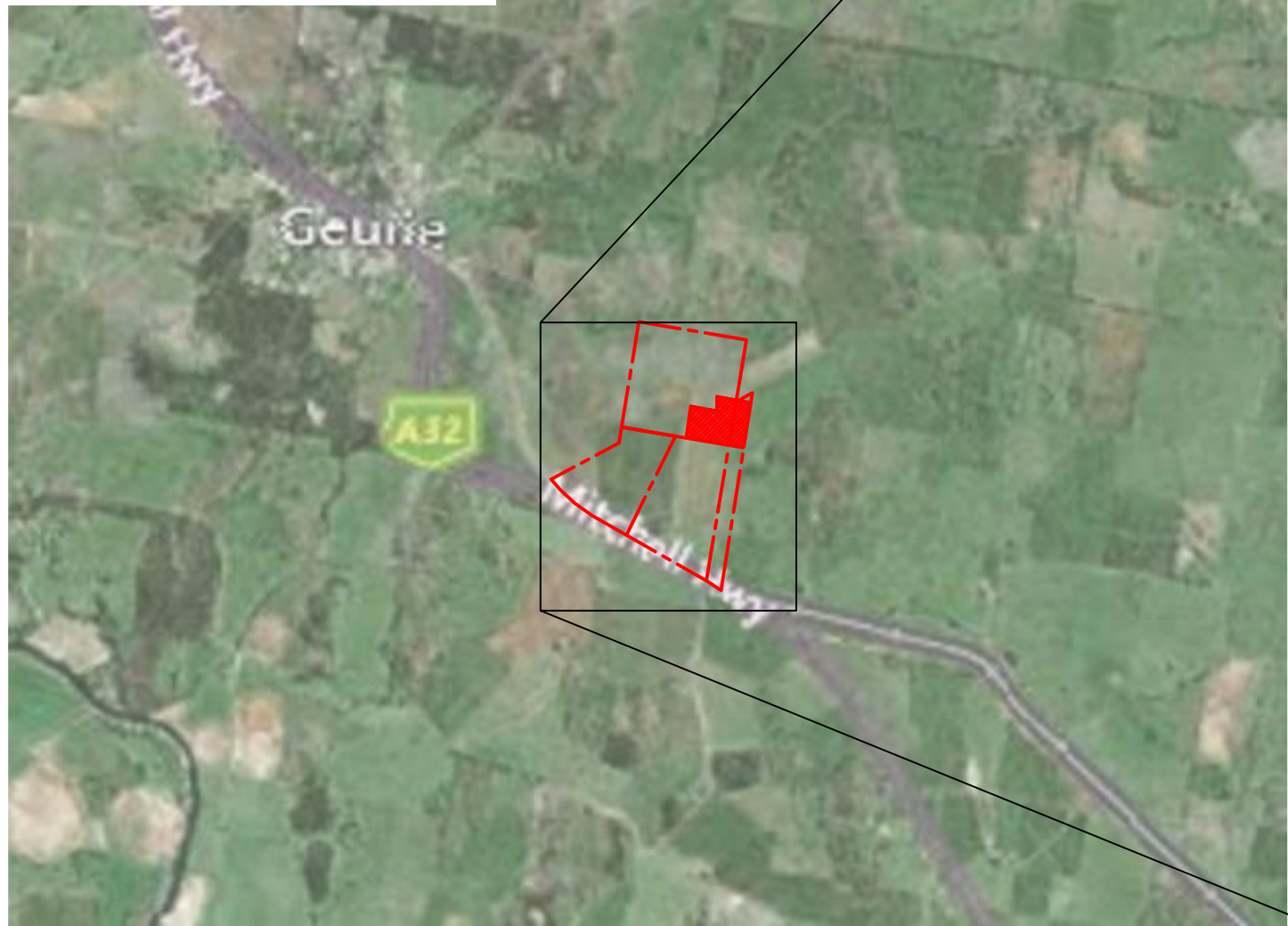
Sheet List Table	
SHEET NUMBER	SHEET TITLE
G-0100	TITLE
G-0400	LOCATION PLAN
G-2100	SITE PLAN
G-2101	GENERAL ARRANGEMENT PLAN
G-2200	SITE ELEVATIONS
C-4300	INVERTER FOOTING DETAILS
C-4310	BESS FOOTINGS DETAILS
C-5300	FENCING DETAILS
C-5301	GATE DETAILS
C-6300	ACCESS PATH DETAILS
E-3400	NEXTRACKER ARRAY DETAILS
E-4300	INVERTER STATION DETAILS
E-5300	BESS STATION DETAILS
E-5310	DC-DC SKID DETAILS



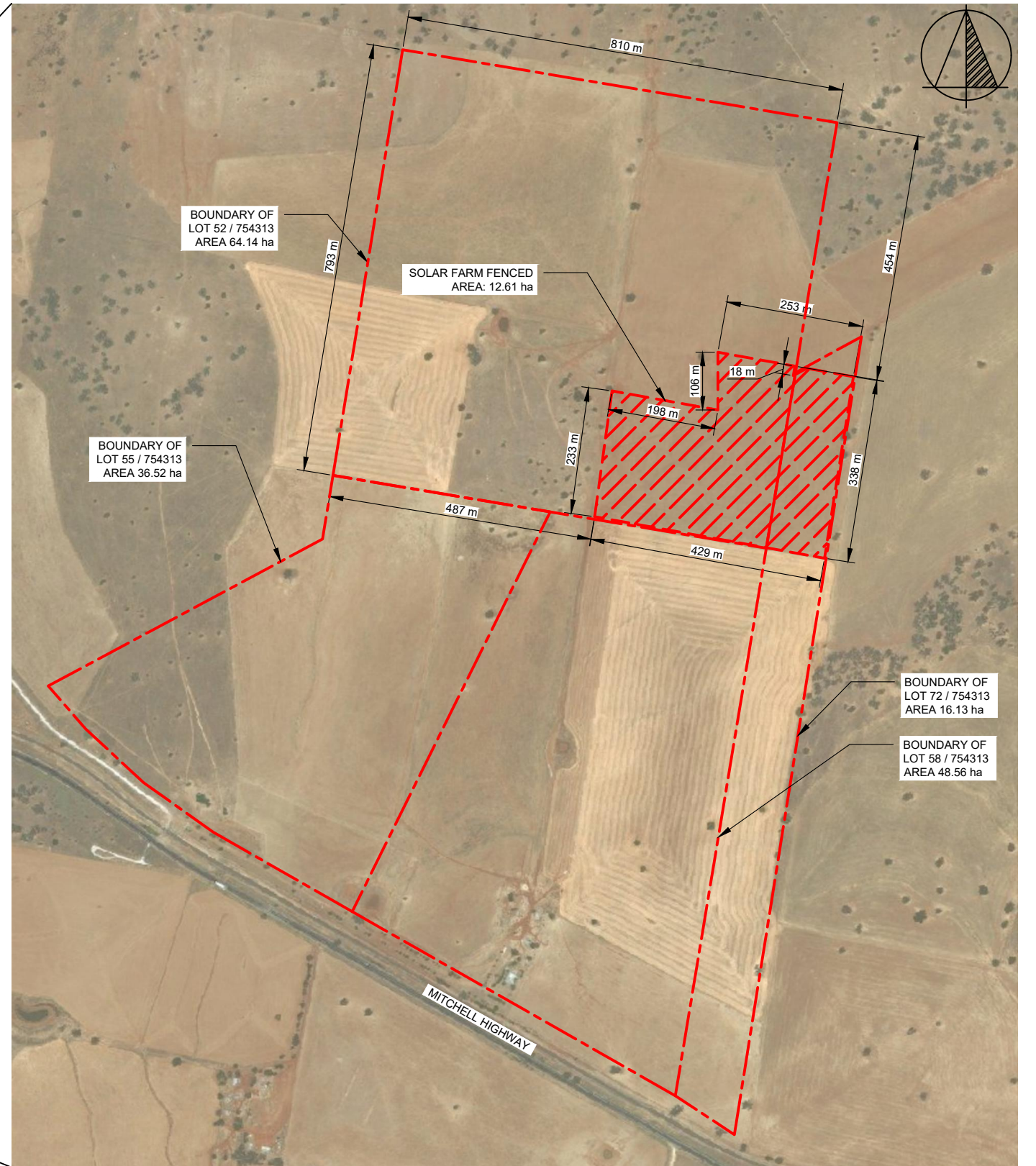
info@itpau.com.au
+61 (0) 2 6257 3511
Level 1, 19-23 Moore St Turner, ACT 2612
itpau.com.au



1 STATE MAP
SCALE: NTS



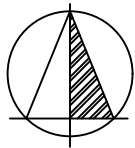
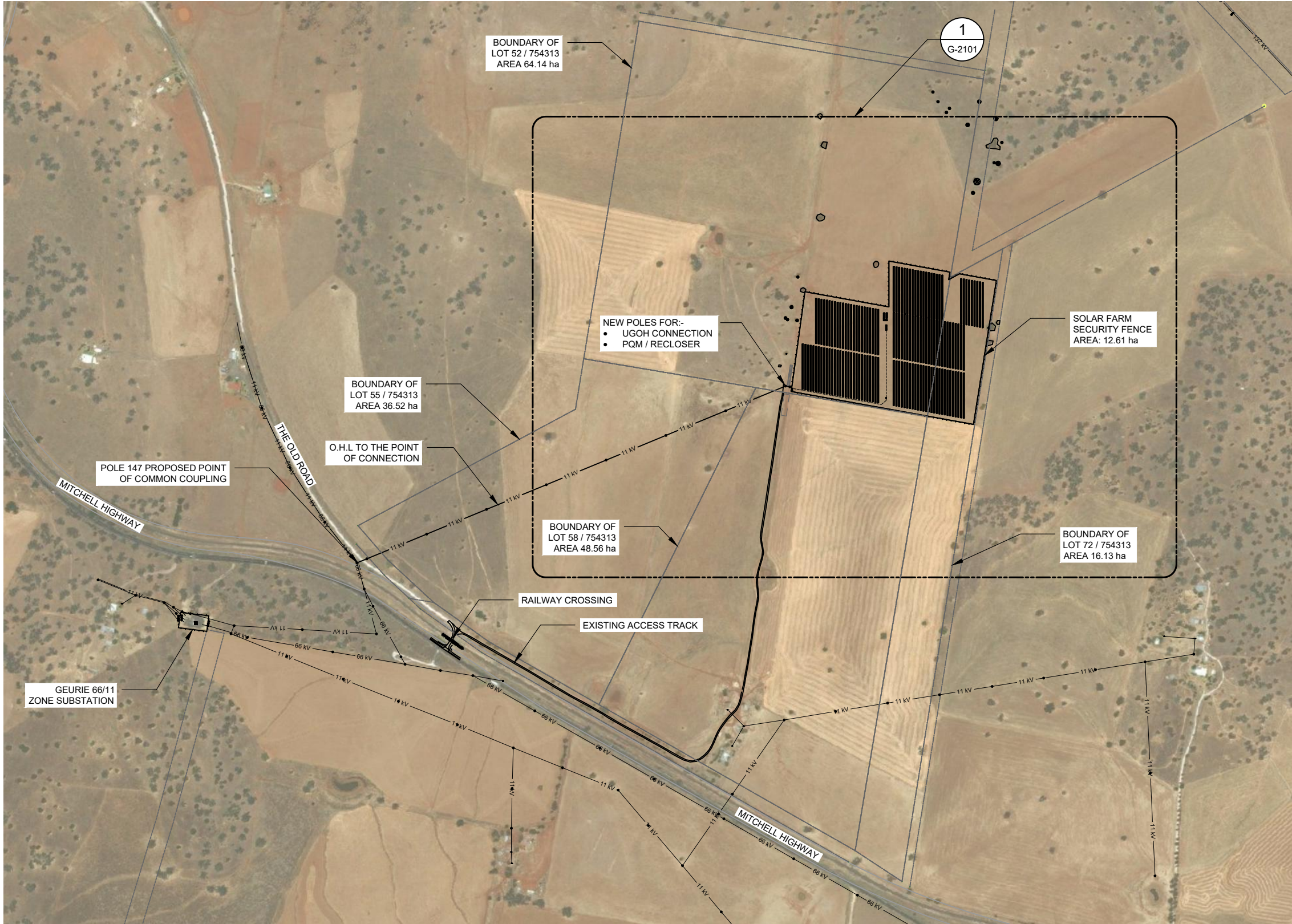
2 LOCATION PLAN
SCALE: NTS



3 SITE PLAN
SCALE: 1:10000

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS				
1	DEVELOPMENT APPLICATION	13/01/2022			 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN MJB CHECKED MOR APPROVED SD 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.	DRAWING LOCATION PLAN ---- PROJECT GEURIE 5MW SOLAR FARM CLIENT ITP DEVELOPMENT ADDRESS 261 THE OLD ROAD GEURIE, NSW 2818 DRAWING NO. GUE1C-G-0400	SCALE AS NOTED SHEET SIZE A3 ORIG. DATE 7/1/21 REV. DATE 6/4/22 REV NO. 3
2	DEVELOPMENT APPLICATION	25/01/2022						
3	DEVELOPMENT APPLICATION	31/03/2022						
4	----	----						
5	----	----						
6	----	----						



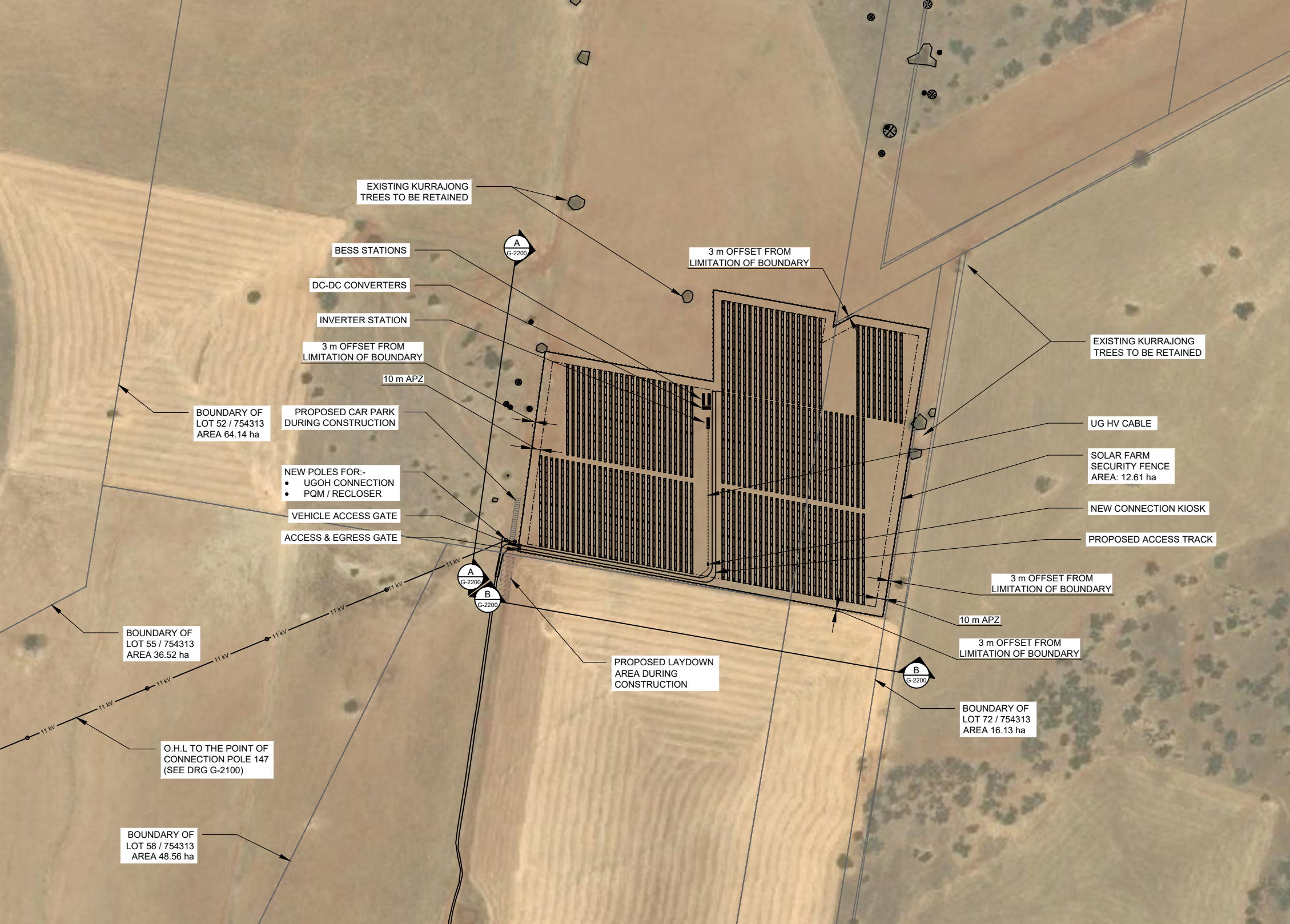
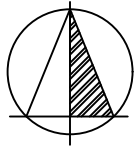
SITE INFORMATION

LOT / DP	LOT 52, 55, 58 & 72 / DP754313
ADDRESS	261 THE OLD ROAD, GEURIE, NSW 2818
LGA	DUBBO REGIONAL COUNCIL
LAT / LONG	-32.40998 / 148.857855
LOT AREA	80.3 ha
FENCED AREA	12.61 ha
DNSP	ESSENTIAL ENERGY

1 SITE PLAN
SCALE: 1:10000

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	itp RENEWABLES P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN MJB CHECKED MOR APPROVED SD	DRAWING SITE PLAN ----	PROJECT GEURIE 5MW SOLAR FARM	CLIENT ITP DEVELOPMENT 261 THE OLD ROAD GEURIE, NSW 2818	SCALE AS NOTED	SHEET SIZE A3	ORIG. DATE 13/1/21	REV. DATE 6/4/22	DRAWING NO. GUE1C-G-2100	REV NO. 7
7	DEVELOPMENT APPLICATION	28/03/2022	1. ALL CONSTRUCTION TRAFFIC MUST ENTER SITE VIA THE OLD ROAD, AS PER THE TRAFFIC MANAGEMENT PLAN.												
2	PRELIMINARY DESIGN	14/12/2021													
3	DEVELOPMENT APPLICATION	13/01/2022													
4	DEVELOPMENT APPLICATION	25/01/2022													
5	DEVELOPMENT APPLICATION	21/03/2022													
6	DEVELOPMENT APPLICATION	23/03/2022													



PROJECT INFORMATION	
AC CAPACITY	4.95 MW
INVERTERS	1 x 4.95 MW AC
TRACKER SPACING (N-S)	MIN. 1 m
ARRAY PITCH	6.25 m
CONNECTION VOLTAGE	11 kV
CONNECTION FEEDER	ESSENTIAL ENERGY GUE112
CONNECTION SUBSTATION	ESSENTIAL ENERGY GEURIE ZONE SUBSTATION
SECURITY FENCE SETBACK	MIN. 3 m FROM OPTION BOUNDARY
ARRAY SETBACK	MIN. 10 m FROM SECURITY FENCE
ACCESS PATH WIDTH	4 m

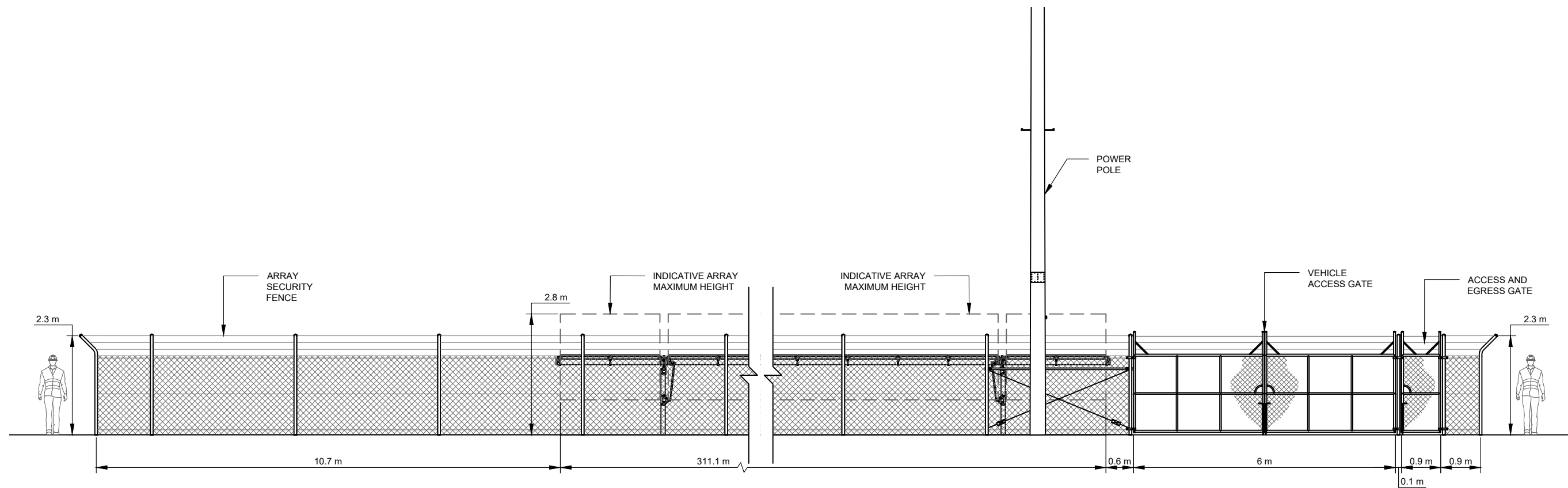
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GENERAL ARRANGEMENT PLAN

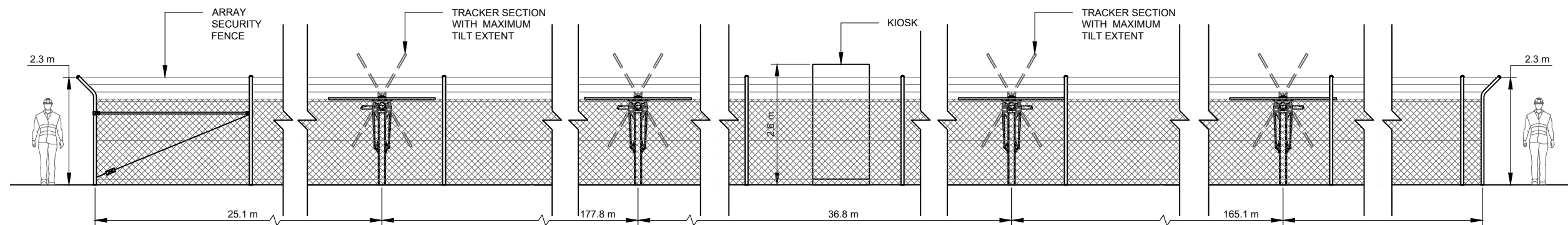
SCALE: 1:5000

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN	MJB	DRAWING	GENERAL ARRANGEMENT PLAN			
7	DEVELOPMENT APPLICATION	28/03/2022	1. ALL CONSTRUCTION TRAFFIC MUST ENTER SITE VIA THE OLD ROAD, AS PER THE TRAFFIC MANAGEMENT PLAN.	CHECKED		MOR	----					
2	PRELIMINARY DESIGN	14/12/2021		APPROVED		SD						
3	DEVELOPMENT APPLICATION	13/01/2022		DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.								
4	DEVELOPMENT APPLICATION	25/01/2022		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.								
5	DEVELOPMENT APPLICATION	21/03/2022										
6	DEVELOPMENT APPLICATION	23/03/2022										
						PROJECT	GEURIE 5MW SOLAR FARM		SCALE	AS NOTED		
						CLIENT ADDRESS	ITP DEVELOPMENT 261 THE OLD ROAD GEURIE, NSW 2818		SHEET SIZE	A3		
									ORIG. DATE	13/1/21		
									REV. DATE	6/4/22		
						DRAWING NO.	GUE1C-G-2101		REV NO.	7		



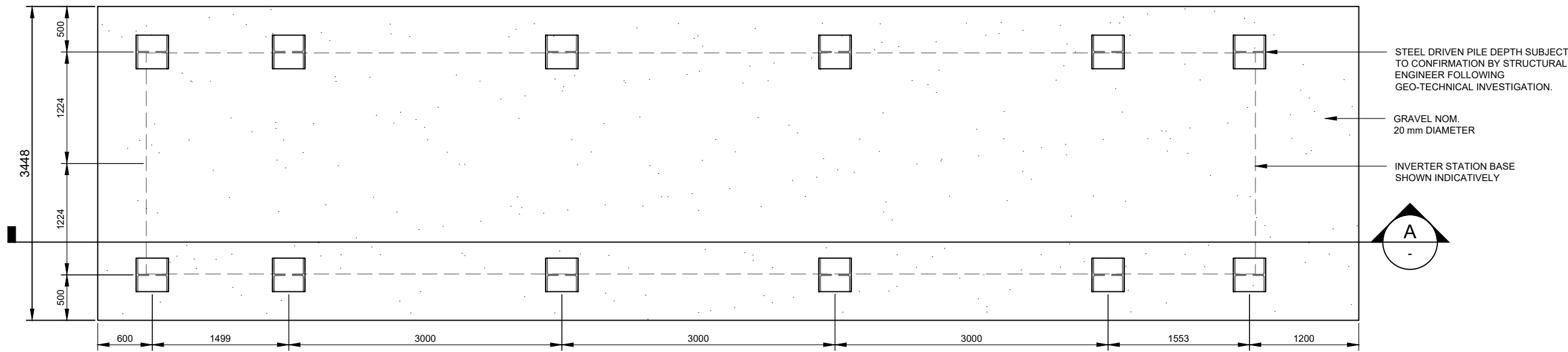
A ELEVATION A
G-2100 SCALE: 1:100



B ELEVATION B
G-2100 SCALE: 1:100

DEVELOPMENT APPLICATION

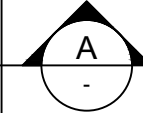
NO.	STAGE	DATE	NOTES	PARTNERS	itp RENEWABLES P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN MJB CHECKED MOR APPROVED SD DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING SITE ELEVATIONS ---- PROJECT GEURIE 5MW SOLAR FARM CLIENT ITP DEVELOPMENT ADDRESS 261 THE OLD ROAD GEURIE, NSW 2818 DRAWING NO. GUE1C-G-2200	SCALE AS NOTED SHEET SIZE A3 ORIG. DATE 2/12/20 REV. DATE 6/4/22 REV NO. 1
1	DEVELOPMENT APPLICATION	04/04/2022	1. TRACKER AND MODULE DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT NOTICE.					
2	----	----						
3	----	----						
4	----	----						
5	----	----						
6	----	----						



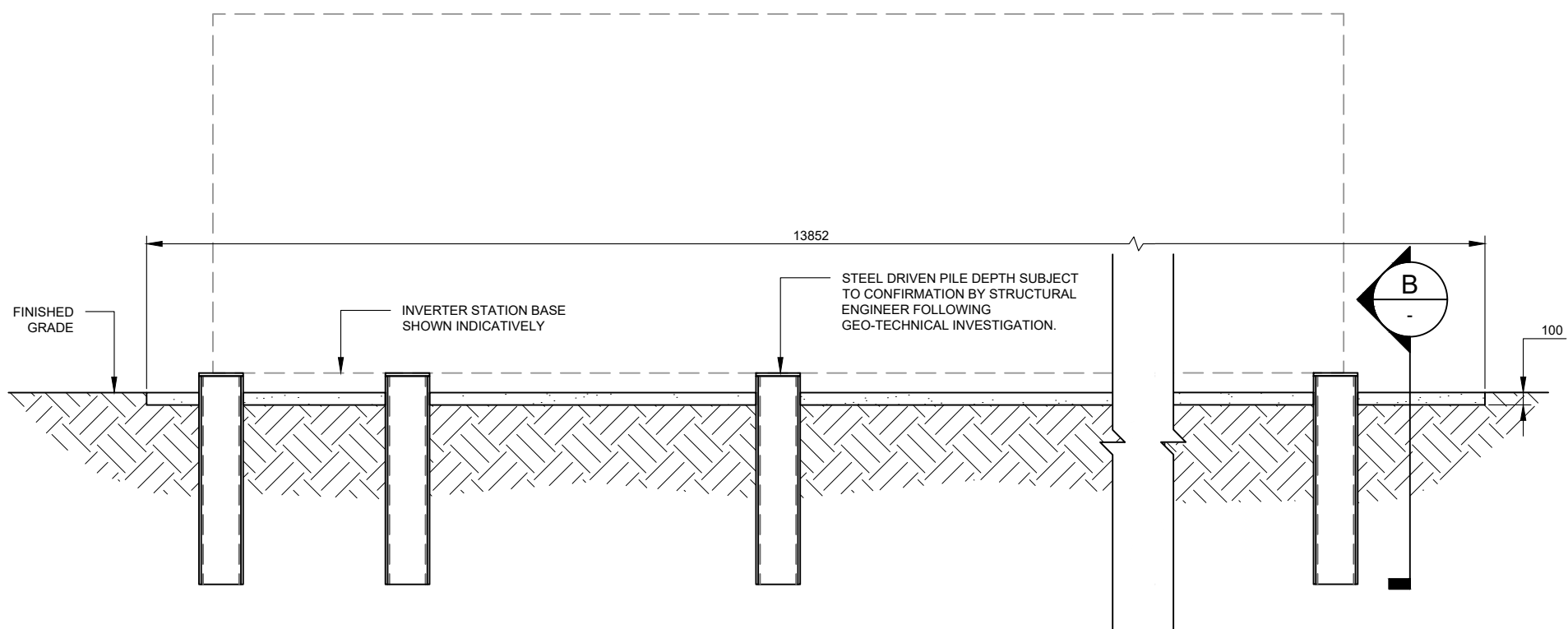
STEEL DRIVEN PILE DEPTH SUBJECT TO CONFIRMATION BY STRUCTURAL ENGINEER FOLLOWING GEO-TECHNICAL INVESTIGATION.

GRAVEL NOM. 20 mm DIAMETER

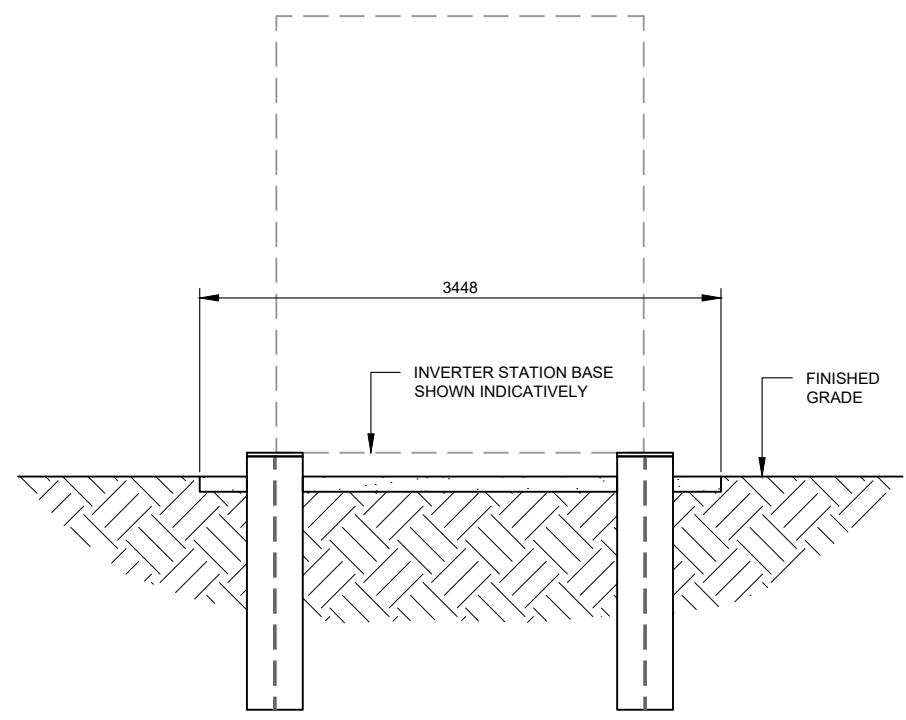
INVERTER STATION BASE SHOWN INDICATIVELY



1 INVERTER FOOTING PLAN
SCALE: 1:50



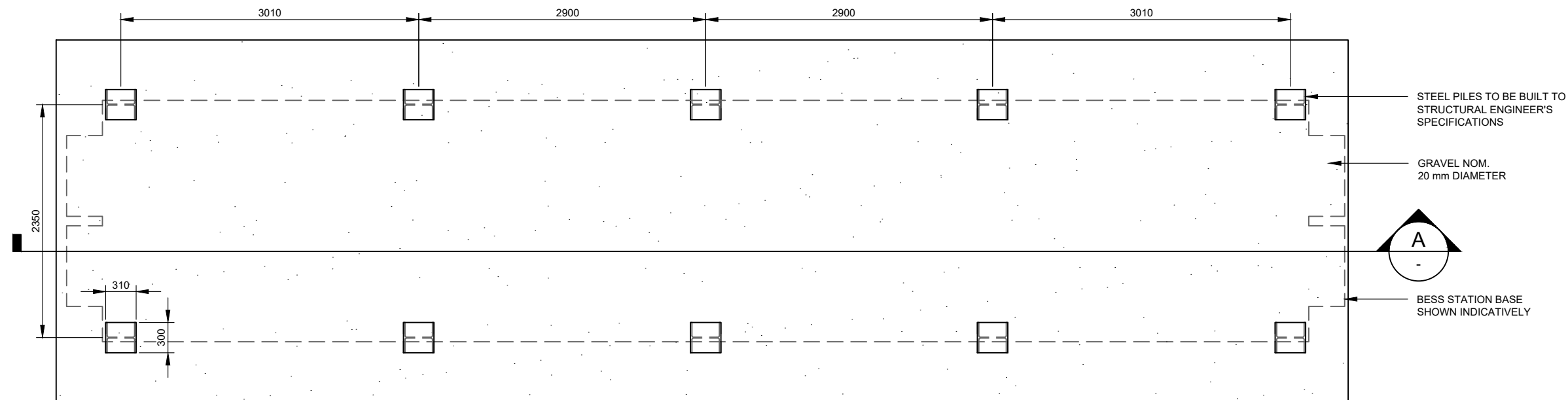
A SIDE SECTION
SCALE: 1:50



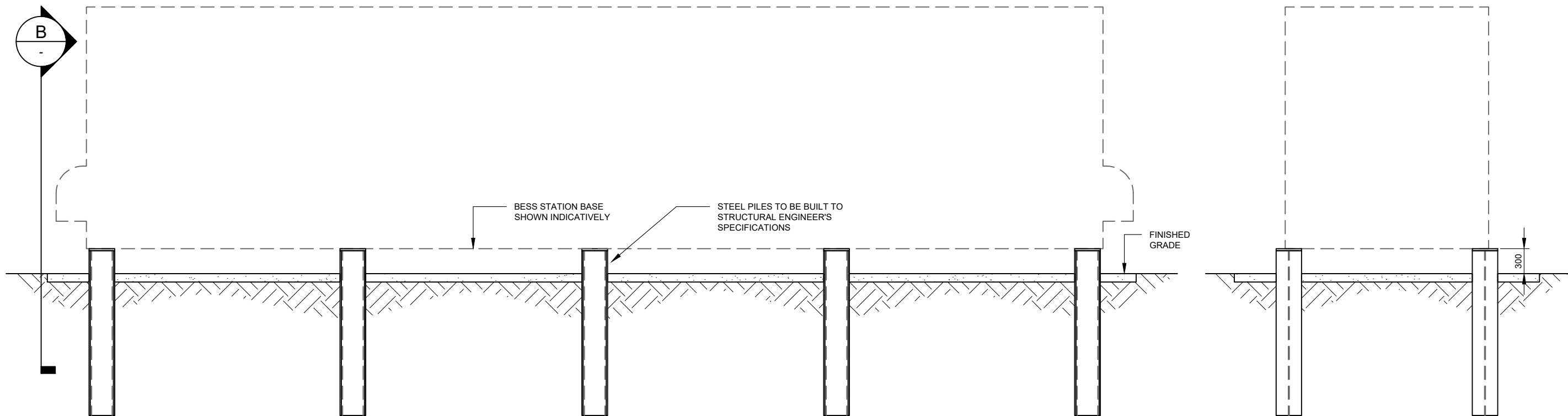
B END SECTION
SCALE: 1:50

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN MJB	CHECKED MOR	APPROVED SD	DRAWING INVERTER FOOTING DETAILS	
1	DEVELOPMENT APPLICATION	04/04/2022				DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	PROJECT	GEURIE 5MW SOLAR FARM	SCALE	AS NOTED
2	----	----				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.	CLIENT ADDRESS	ITP DEVELOPMENT 261 THE OLD ROAD GEURIE, NSW 2818	SHEET SIZE	A3
3	----	----							ORIG. DATE	27/11/18
4	----	----							REV. DATE	6/4/22
5	----	----							DRAWING NO.	GUE1C-C-4300
6	----	----							REV NO.	1



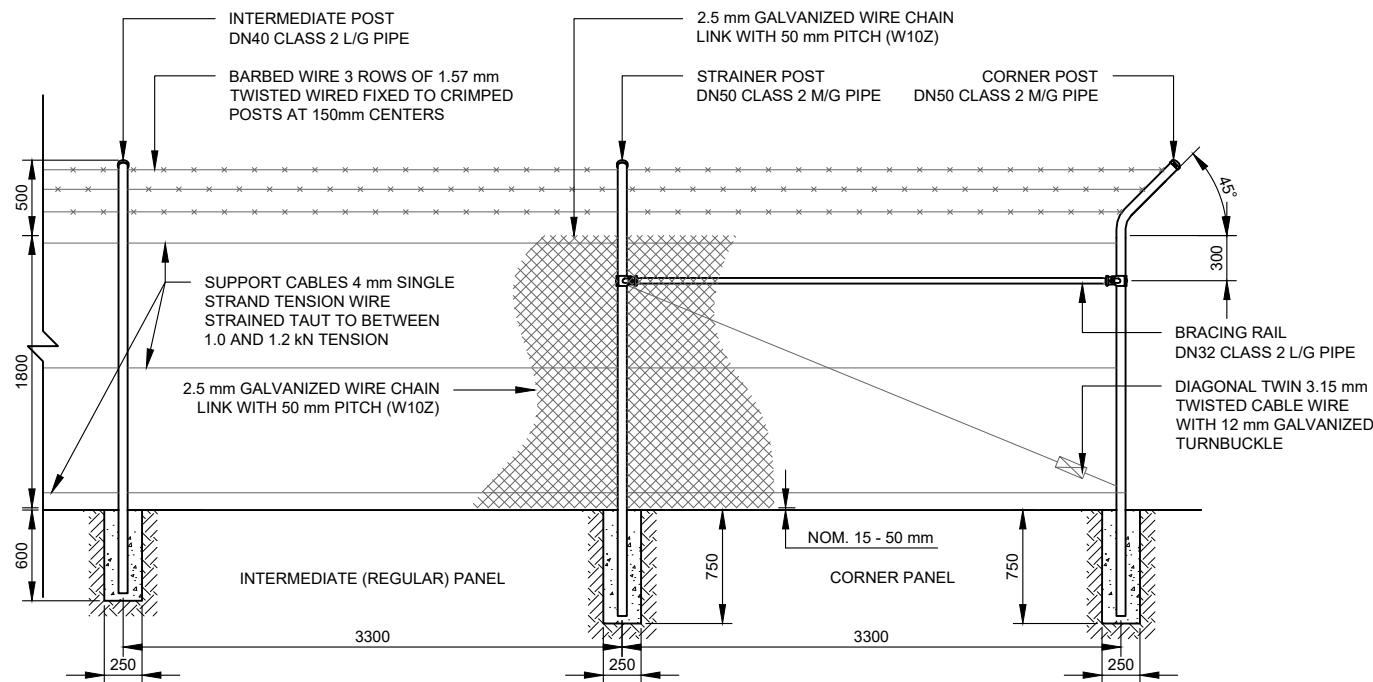
1 BESS FOOTINGS PLAN
SCALE: 1:50



A SIDE SECTION
SCALE: 1:50

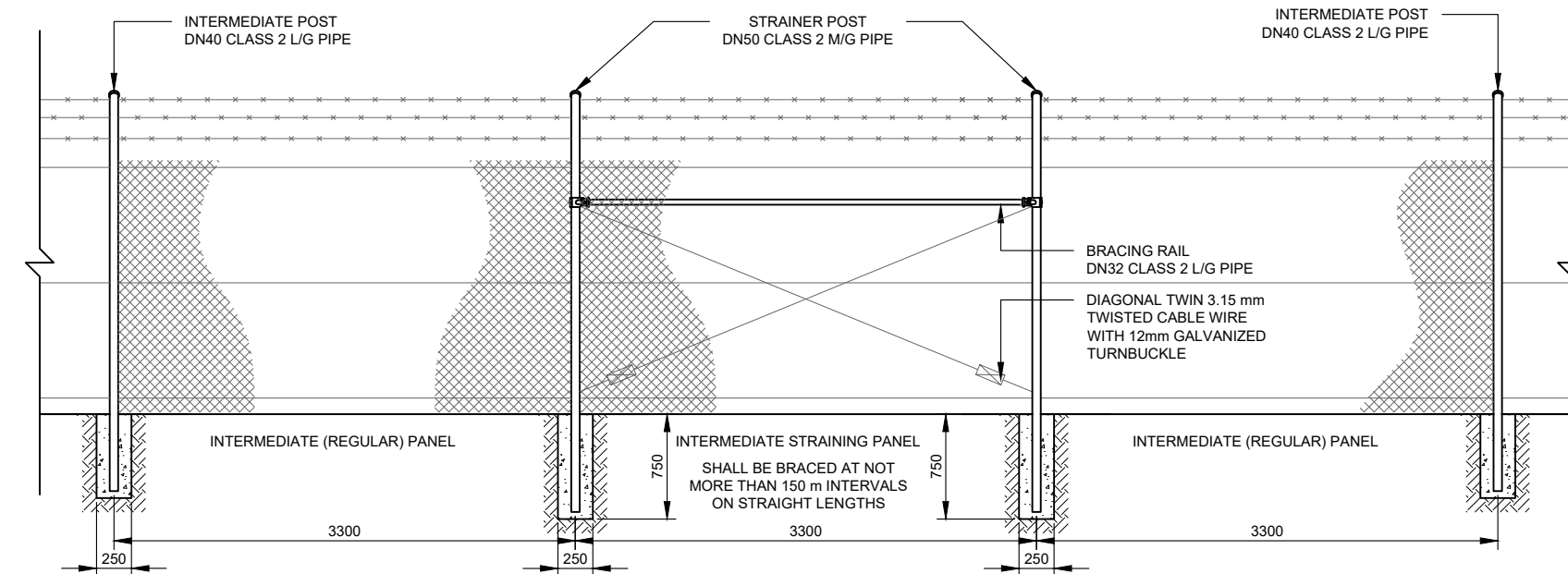
B END SECTION
SCALE: 1:50
DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN MJB CHECKED MOR APPROVED SD 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.	DRAWING BESS FOOTINGS DETAILS ---- PROJECT GEURIE 5MW SOLAR FARM CLIENT ITP DEVELOPMENT ADDRESS 261 THE OLD ROAD GEURIE, NSW 2818 DRAWING NO. GUE1C-C-4310	SCALE AS NOTED SHEET SIZE A3 ORIG. DATE 18/3/19 REV. DATE 6/4/22 REV NO. 1
1	DEVELOPMENT APPLICATION	04/04/2022						
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5	----	----						
6	----	----						



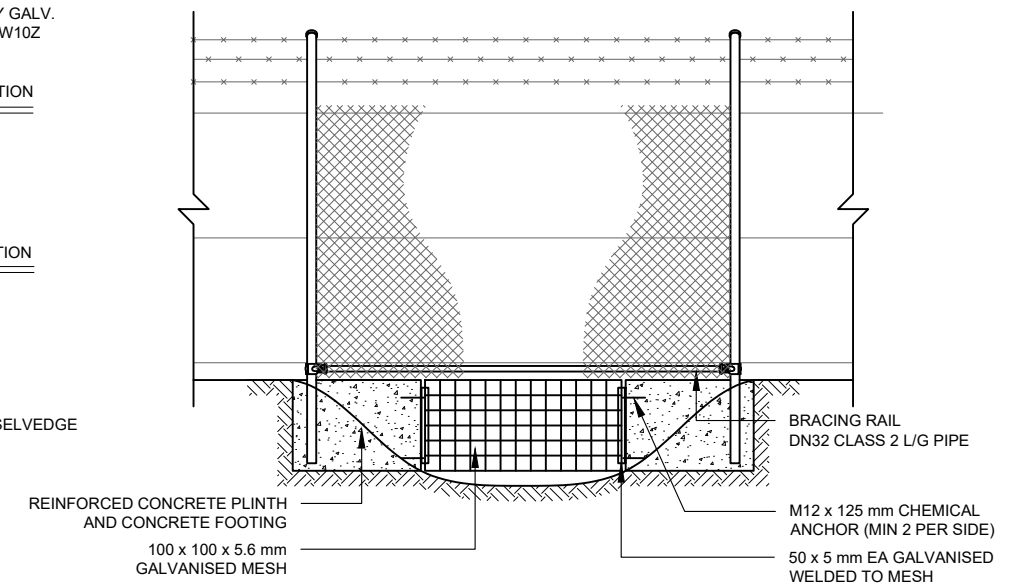
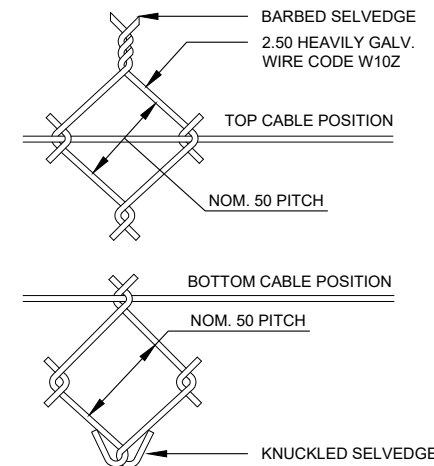
1 TYPICAL FENCE SECTION
SCALE: 1:50

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



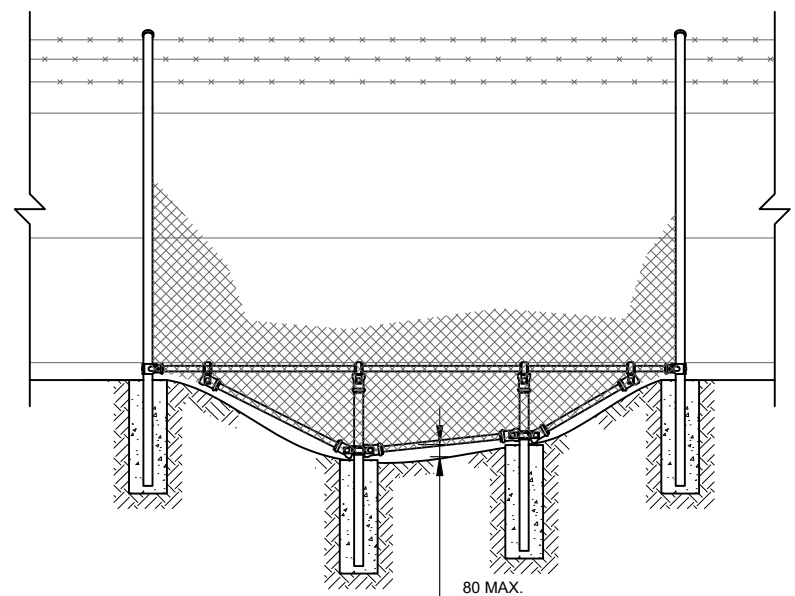
2 INTERMEDIATE STRAINING PANEL FENCE SECTION
SCALE: 1:50

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



3 TYPICAL STORMWATER CROSSING
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

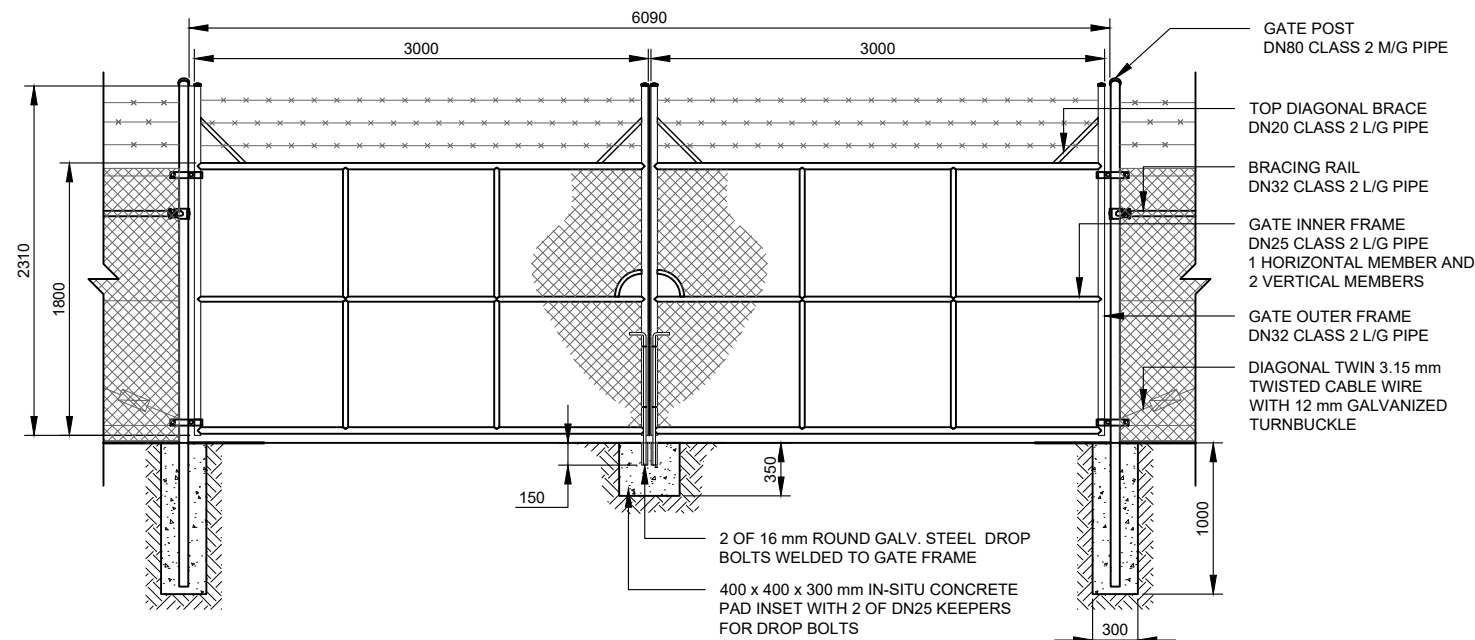
NO.	STAGE	DATE	NOTES	PARTNERS	DRAWN	MJB	CHECKED	MOR	APPROVED	SD	DRAWING	FENCING DETAILS	SCALE	AS NOTED
1	DEVELOPMENT APPLICATION	04/04/2022												
2	----	----												
3	----	----												
4	----	----												
5	----	----												
6	----	----												



P: +61 2 6257 3511
info@itp.com.au
www.itpau.com.au

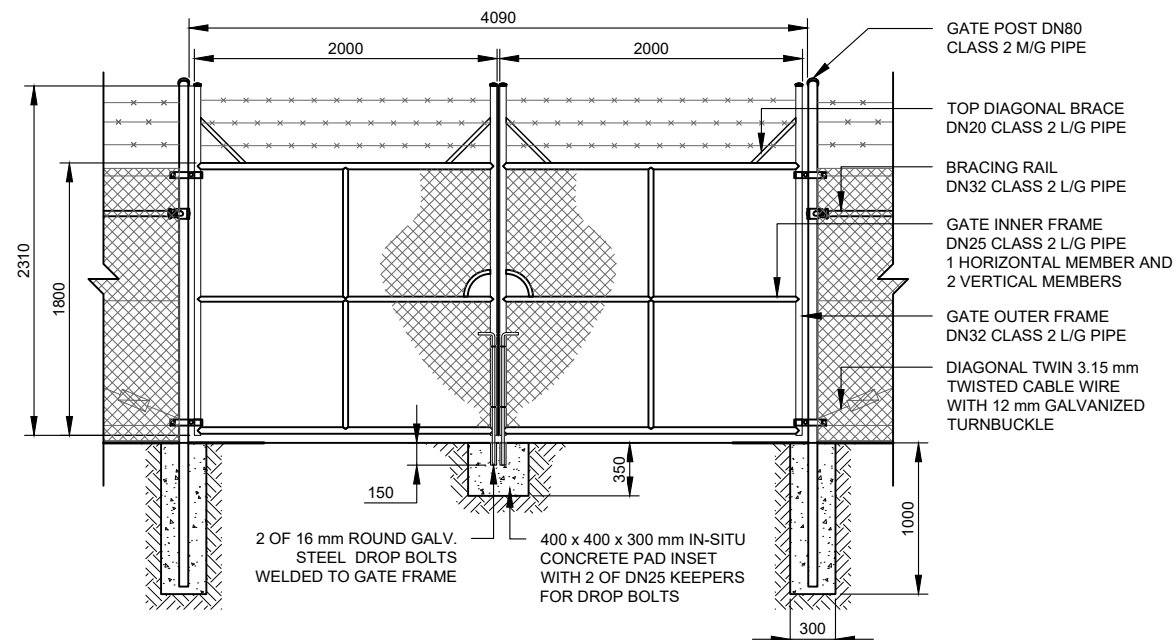
PO BOX 6217
O'CONNOR, ACT 2602
AUSTRALIA

DRAWING	FENCING DETAILS	SCALE	AS NOTED
PROJECT	GEURIE 5MW SOLAR FARM	SHEET SIZE	A3
CLIENT	ITP DEVELOPMENT	ORIG. DATE	23/11/18
ADDRESS	261 THE OLD ROAD GEURIE, NSW 2818	REV. DATE	6/4/22
DRAWING NO.	GUE1C-C-5300	REV NO.	1



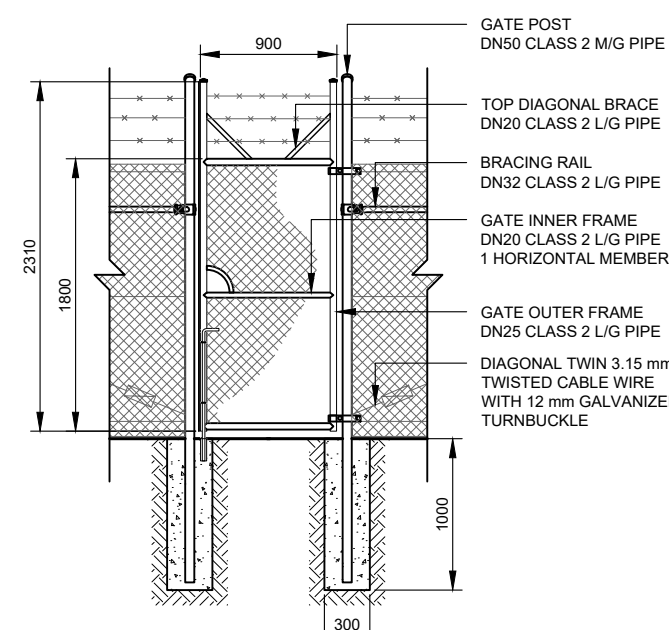
5 DOUBLE LEAF 6 METRE GATE SECTION
SCALE: 1:50

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



6 DOUBLE LEAF 4 METRE GATE SECTION
SCALE: 1:50

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

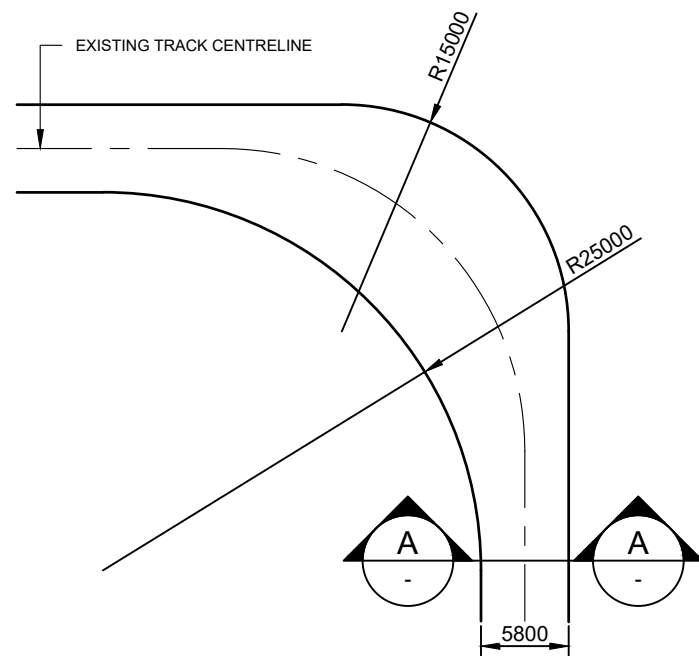


7 SINGLE LEAF GATE SECTION
SCALE: 1:50

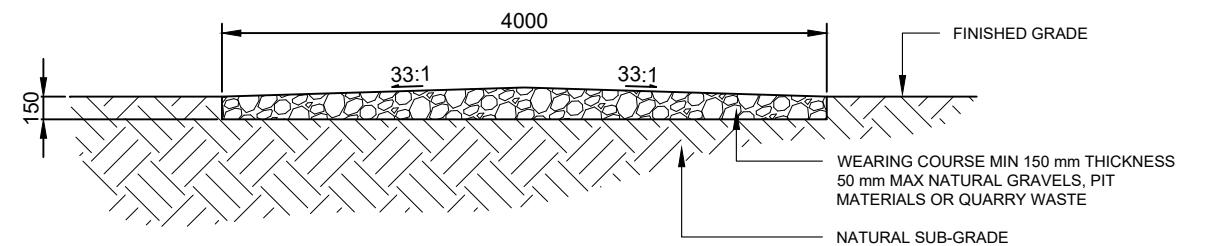
FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN	MJB	DRAWING				GATE DETAILS	
						CHECKED	MOR						
						APPROVED	SD						
						DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.				PROJECT	GEURIE 5MW SOLAR FARM	SCALE	AS NOTED
						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.				CLIENT	ITP DEVELOPMENT	SHEET SIZE	A3
										ADDRESS	261 THE OLD ROAD GEURIE, NSW 2818	ORIG. DATE	23/11/18
												REV. DATE	6/4/22
									DRAWING NO.	GUE1C-C-5301	REV NO.	1	



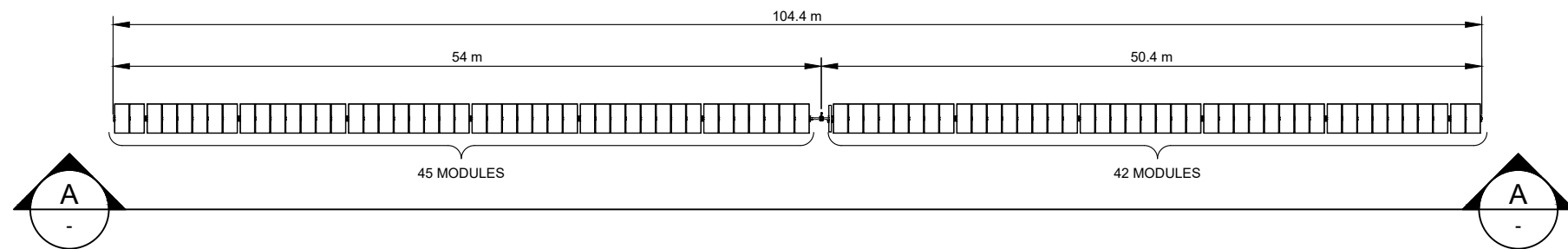
1 INDICATIVE TURNING DETAIL PLAN
SCALE: 1:500



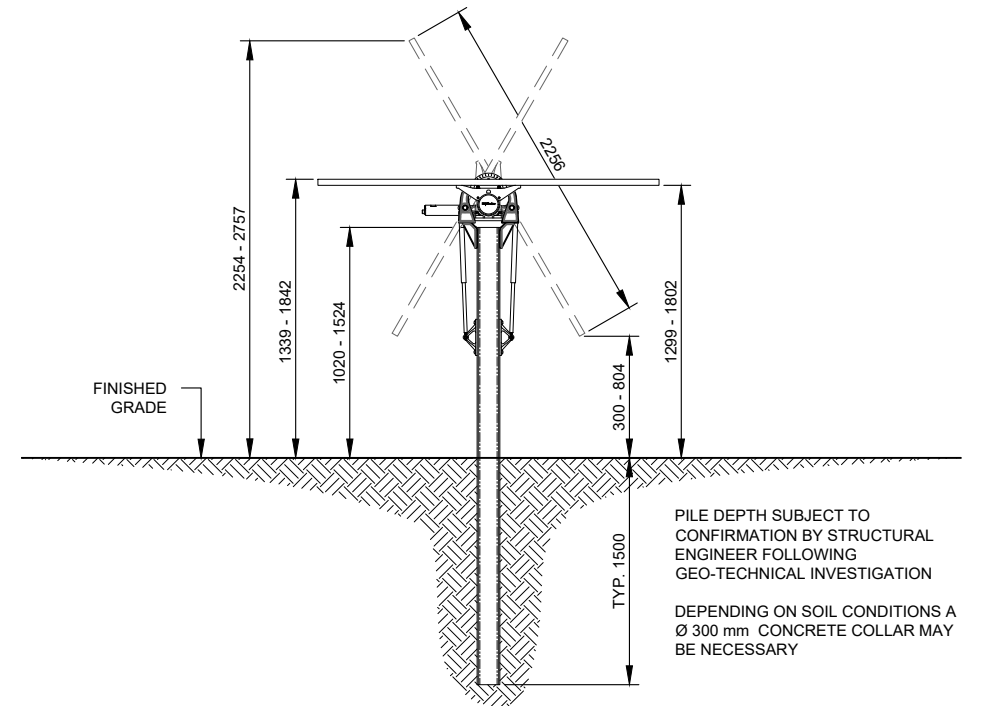
A CROSS SECTION - ACCESS PATH
SCALE: 1:50

DEVELOPMENT APPLICATION

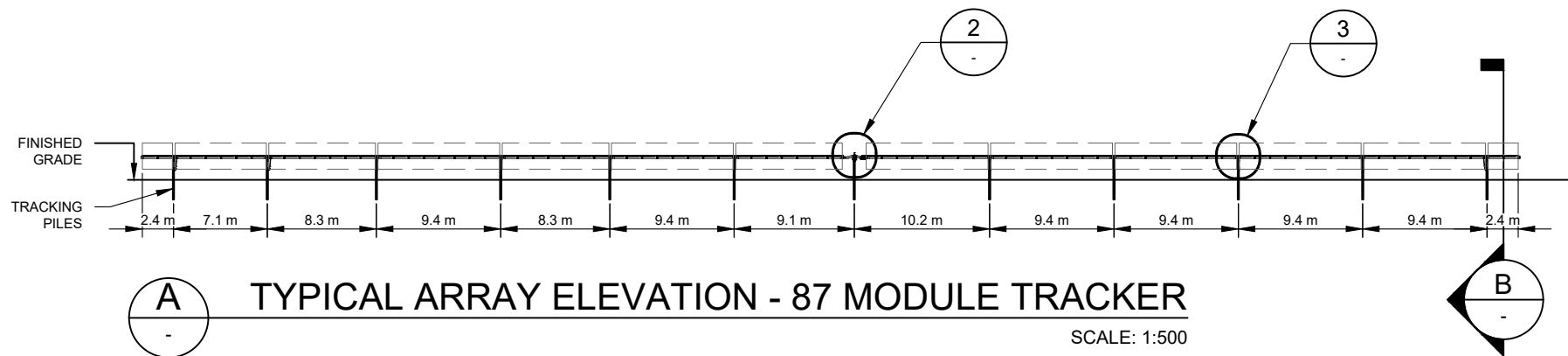
NO.	STAGE	DATE	NOTES	PARTNERS	itp RENEWABLES P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN MJB CHECKED MOR APPROVED SD DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING ACCESS PATH DETAILS ---- PROJECT GEURIE 5MW SOLAR FARM CLIENT ITP DEVELOPMENT ADDRESS 261 THE OLD ROAD GEURIE, NSW 2818 DRAWING NO. GUE1C-C-6300	SCALE AS NOTED SHEET SIZE A3 ORIG. DATE 5/9/18 REV. DATE 6/4/22 REV NO. 1
1	DEVELOPMENT APPLICATION	04/04/2022						
2	----	----						
3	----	----						
4	----	----						
5	----	----						
6	----	----						



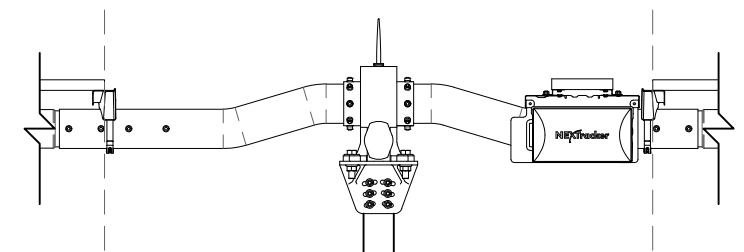
1 TYPICAL ARRAY PLAN - 87 MODULE TRACKER
SCALE: 1:500



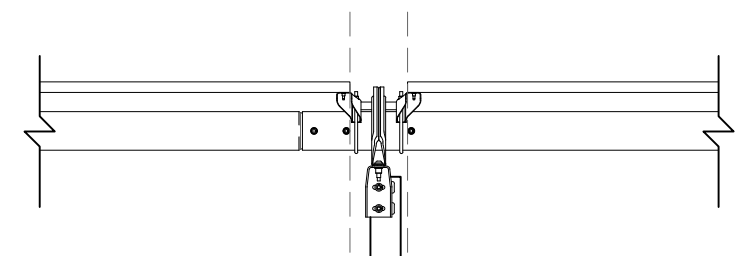
B TYPICAL ARRAY END ELEVATION
SCALE: 1:50



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



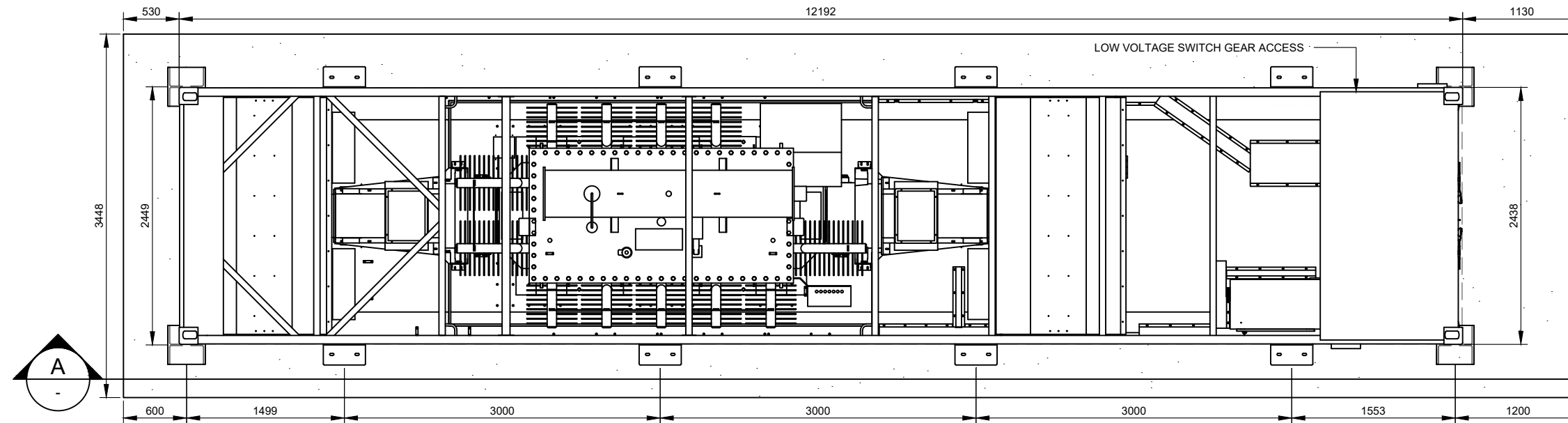
2 SELF POWERED CONTROLLER DETAIL
SCALE: NTS



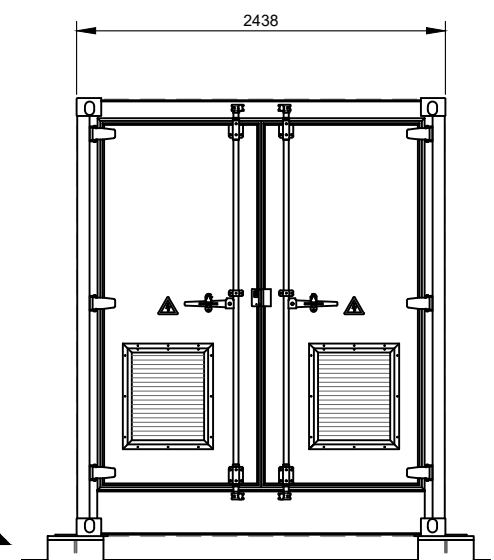
3 DAMPER DETAIL
SCALE: NTS

DEVELOPMENT APPLICATION

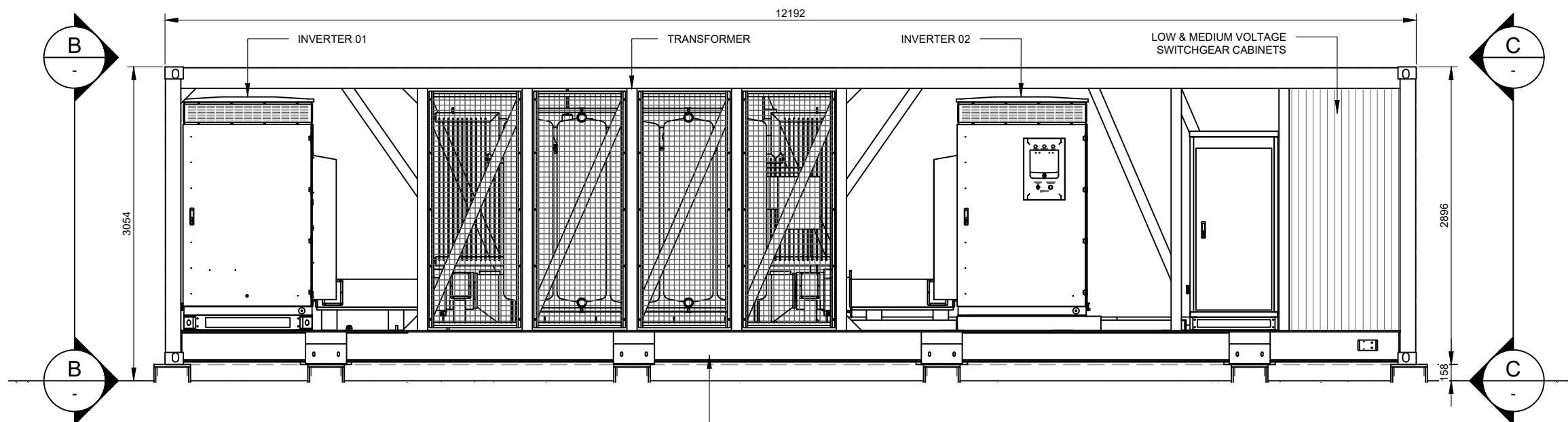
NO.	STAGE	DATE	NOTES	PARTNERS	itp RENEWABLES	DRAWN MJB CHECKED MOR APPROVED SD	DRAWING NEXTRACKER ARRAY DETAILS
1	DEVELOPMENT APPLICATION	04/04/2022	1. TRACKER AND MODULE DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT NOTICE.		P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au	DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	PROJECT GEURIE 5MW SOLAR FARM
2	----	----			PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	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.	SCALE AS NOTED
3	----	----					SHEET SIZE A3
4	----	----					ORIG. DATE 17/11/19
5	----	----					REV. DATE 6/4/22
6	----	----					DRAWING NO. GUE1C-E-3400
							REV NO. 1



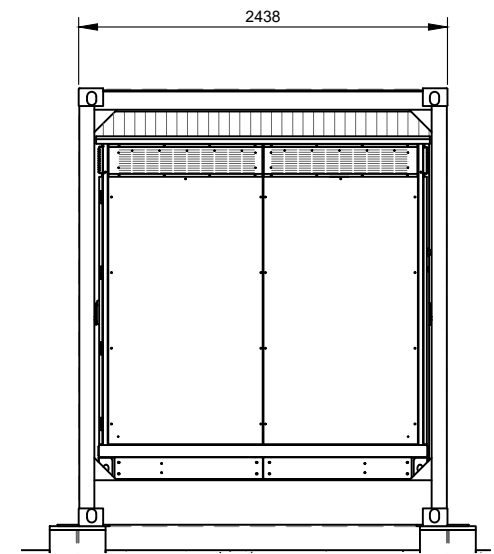
1 PLAN VIEW
SCALE: 1:50



C END ELEVATION
SCALE: 1:50



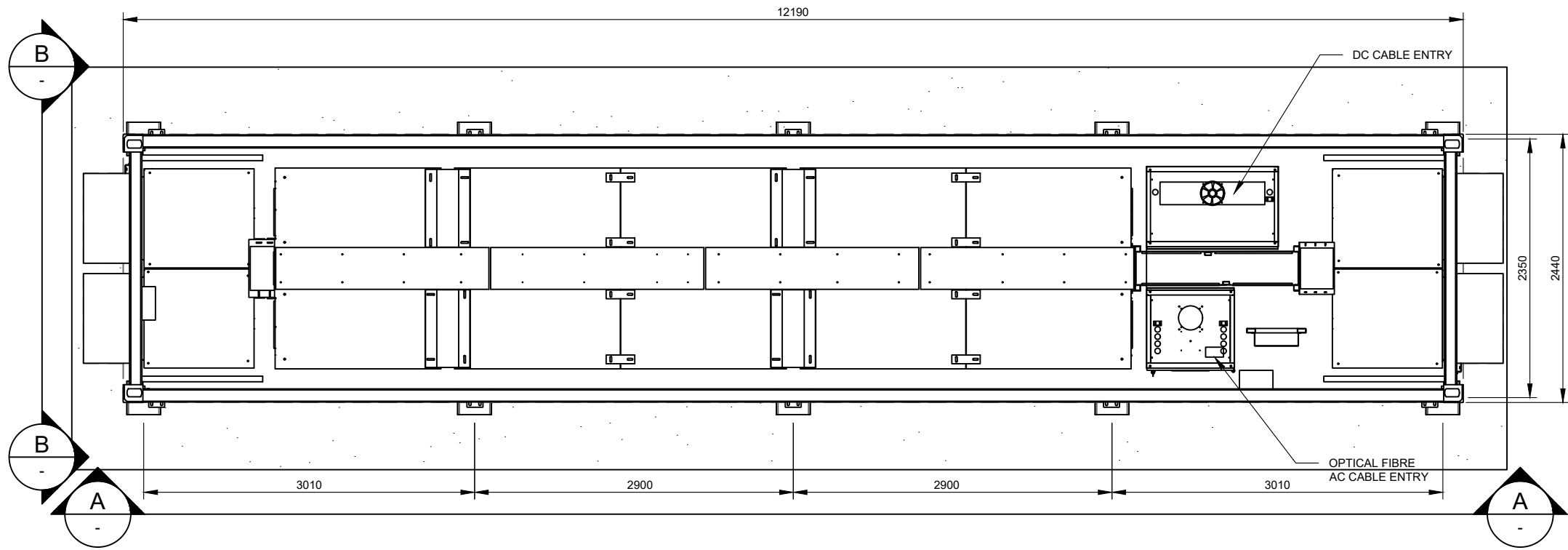
A SIDE ELEVATION
SCALE: 1:50



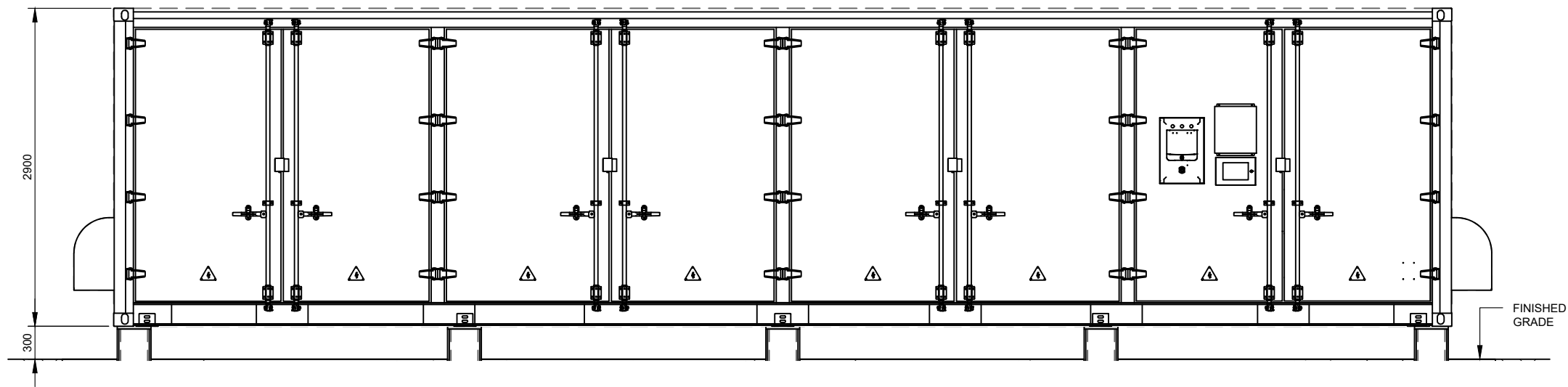
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SCALE: 1:50

DEVELOPMENT APPLICATION

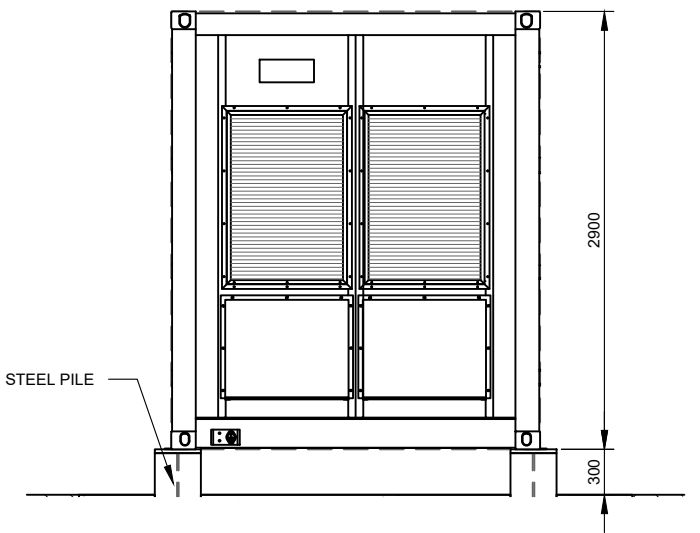
NO.	STAGE	DATE	NOTES	PARTNERS	 itp RENEWABLES P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN: MJB CHECKED: MOR APPROVED: SD DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING: INVERTER STATION DETAILS PROJECT: GEURIE 5MW SOLAR FARM CLIENT: ITP DEVELOPMENT ADDRESS: 261 THE OLD ROAD, GEURIE, NSW 2818 DRAWING NO.: GUE1C-E-4300	SCALE: AS NOTED SHEET SIZE: A3 ORIG. DATE: 10/9/18 REV. DATE: 6/4/22 REV. NO.: 1
1	DEVELOPMENT APPLICATION	04/04/2022						
2	----	----						
3	----	----						
4	----	----						
5	----	----						
6	----	----						



1 BESS PLAN
SCALE: 1:50



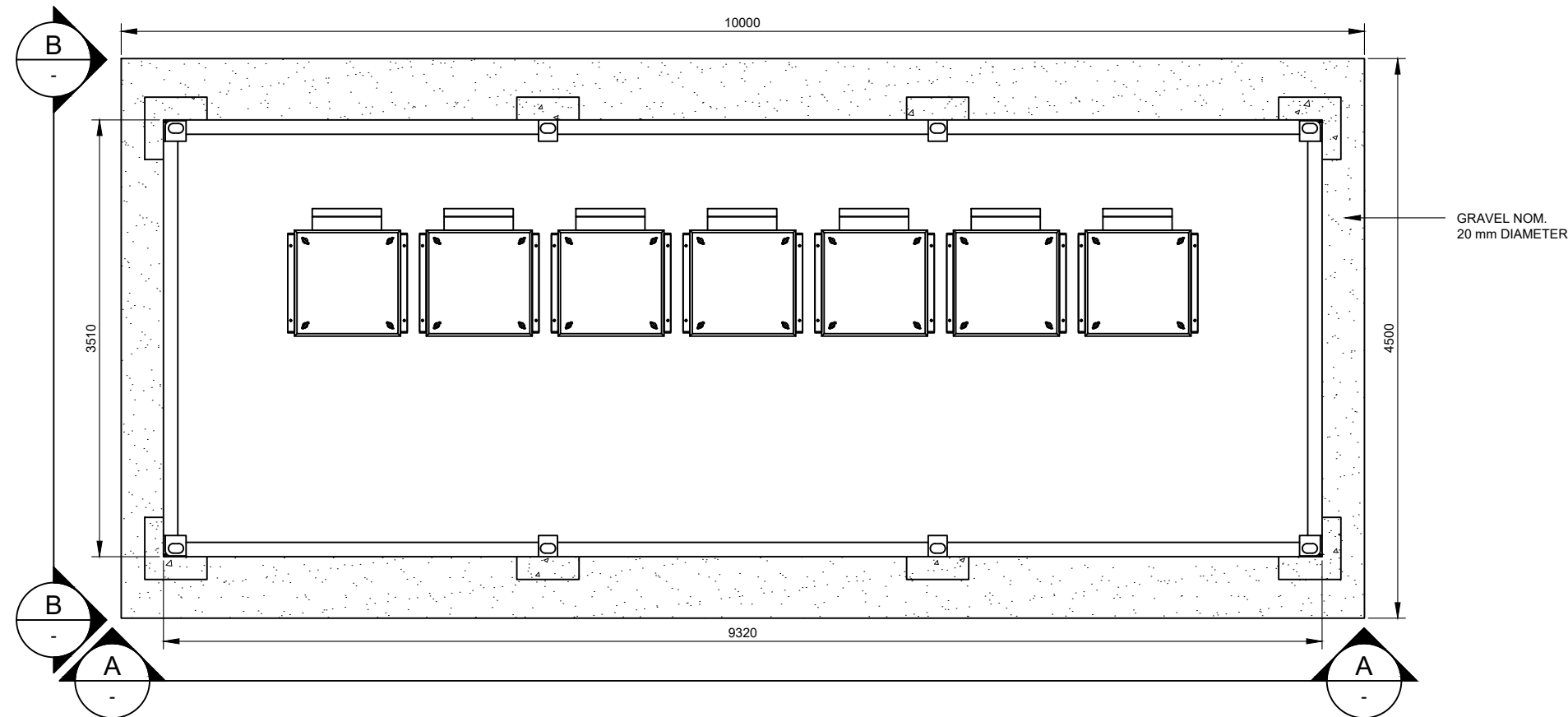
A SIDE ELEVATION
SCALE: 1:50



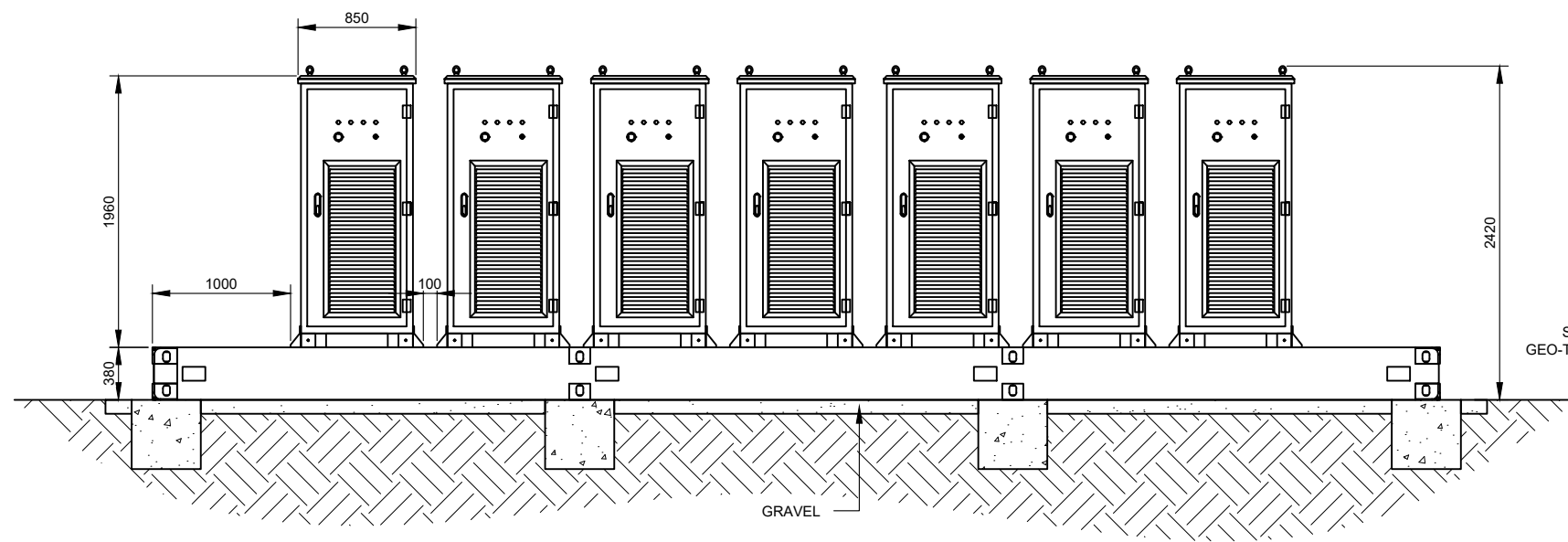
B END ELEVATION
SCALE: 1:50

DEVELOPMENT APPLICATION

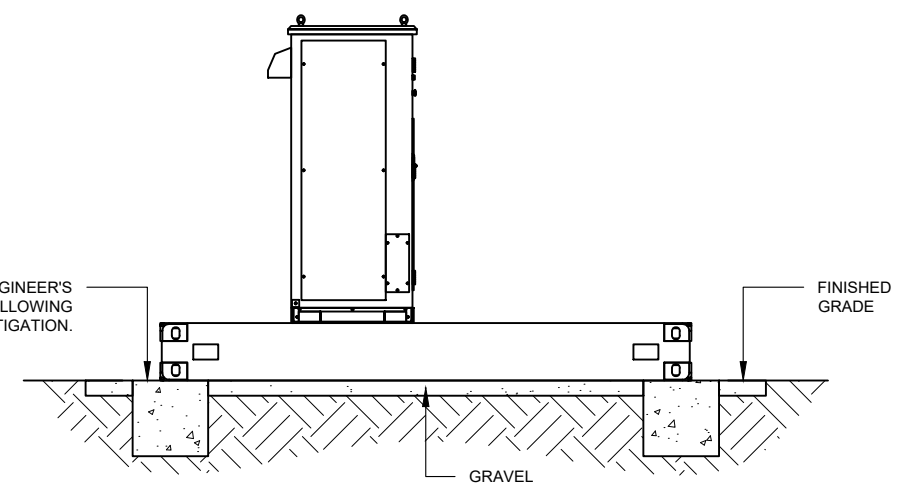
NO.	STAGE	DATE	NOTES	PARTNERS	 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN: MJB CHECKED: MOR APPROVED: SD DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING: BESS STATION DETAILS PROJECT: GEURIE 5MW SOLAR FARM CLIENT ADDRESS: ITP DEVELOPMENT, 261 THE OLD ROAD, GEURIE, NSW 2818 DRAWING NO.: GUE1C-E-5300	SCALE: AS NOTED SHEET SIZE: A3 ORIG. DATE: 18/3/19 REV. DATE: 6/4/22 REV NO.: 1
1	DEVELOPMENT APPLICATION	04/04/2022						
2	----	----						
3	----	----						
4	----	----						
5	----	----						
6	----	----						



1 DC-DC SKID PLAN
SCALE: 1:50



A FRONT ELEVATION
SCALE: 1:50



B SIDE ELEVATION
SCALE: 1:50
DEVELOPMENT APPLICATION

NO.	STAGE	DATE	NOTES	PARTNERS	 P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA	DRAWN MJB CHECKED MOR APPROVED SD 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.	DRAWING DC-DC SKID DETAILS				
1	DEVELOPMENT APPLICATION	04/04/2022									
2	----	----									
3	----	----									
4	----	----									
5	----	----									
6	----	----									