BOOROWA 1B 5MW SOLAR FARM

DEVELOPMENT APPLICATION

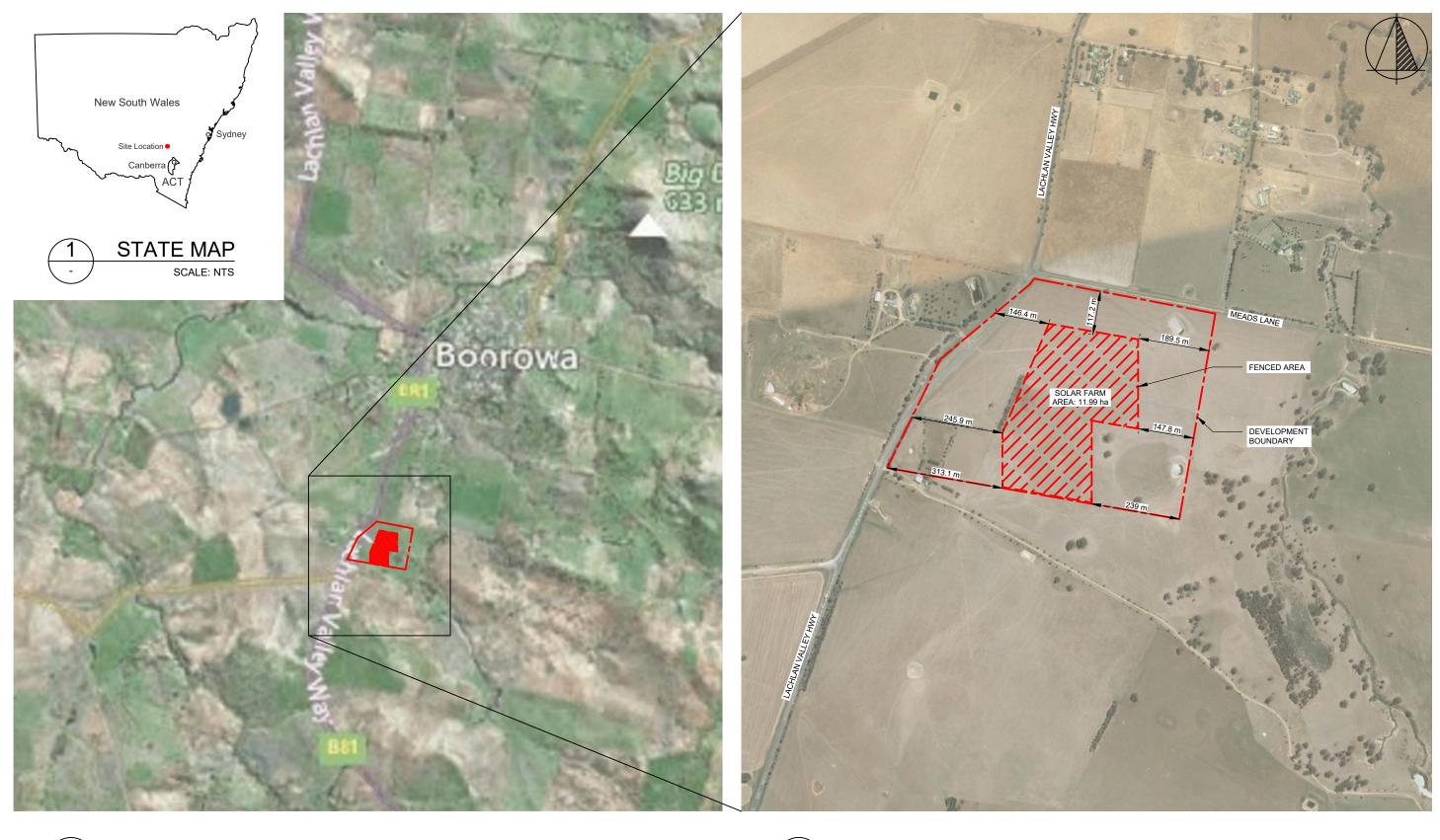
ADDRESS: MEADS LANE BOOROWA NSW 2586



DEVELOPED BY:
ITP DEVELOPMENT



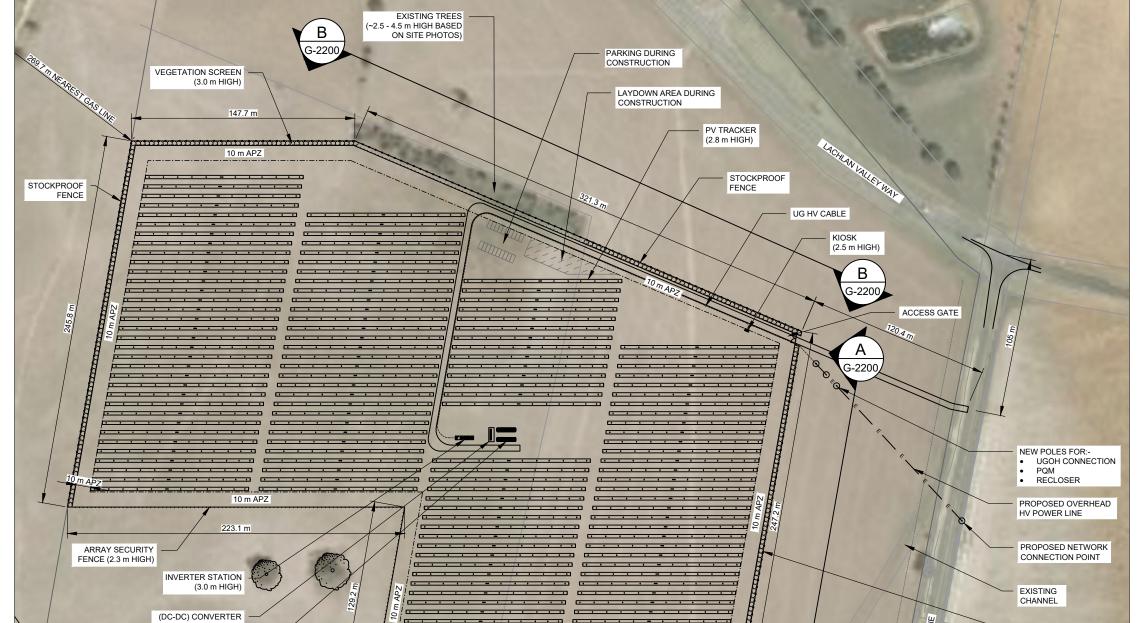
Sheet List Table Sheet Title Sheet Number G-0100 TITLE G-0400 LOCATION PLAN GENERAL ARRANGEMENT PLAN G-2100 G-2200 SITE ELEVATIONS C-4300 **INVERTER FOOTING DETAILS** C-4301 **BESS FOOTING DETAILS** C-5300 FENCING DETAILS C-5301 **GATE DETAILS** C-6300 ACCESS PATH DETAILS C-7300 LANDSCAPE DETAILS NEXTRACKER ARRAY DETAILS E-3400 E-4100 **INVERTER STATION PLAN** E-4300 **INVERTER STATION DETAILS** TYPICAL BESS DETAILS E-5300 E-5301 TYPICAL DC-DC SKID DETAILS







NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN MJB CHECKED EM	DRAWING	LOCATION PLAN	
1	DEVELOPMENT APPLICATION	27/04/2021			itn	APPROVED SD			
2	DEVELOPMENT APPLICATION	02/06/2021			1th	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS	ADDRESS	DOODOWA NOW OFFICE	ORIG. DATE 7/1/21
5					P: +61 2 6257 3511 PO BOX 6217	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		·	REV. DATE 7/6/21
6						BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	D. BOO1B-G-0400	REV NO. 2



10 m APZ

WATER COURSE



SITE IN	IFORMATION
LOT / DP	130-133 & 136-139/2493
ADDRESS	MEADS LANE, BOOROWA, NSW 2586
LGA	HILLTOPS COUNCIL
LAT / LONG	-34.460549 / 148.711956
LOT AREA	38.4 ha
FENCED AREA	11.99 ha
DNSP	ESSENTIAL ENERGY

PROJECT	INFORMATION					
AC CAPACITY	5.0 MW					
INVERTERS	2 x 3.4 MW AC					
TRACKER SPACING (N-S)	7.0 m					
ARRAY PITCH	6.25 m					
CONNECTION VOLTAGE	11 kV					
CONNECTION FEEDER	ESSENTIAL ENERGY BOO1022					
CONNECTION SUBSTATION	ESSENTIAL ENERGY BOOROWA 66/11					
SECURITY FENCE SETBACK	MIN. 3 m FROM OPTION BOUNDARY					
ARRAY SETBACK	MIN. 10 m FROM SECURITY FENCE					
ACCESS PATH WIDTH	4 m					



GENERAL ARRANGEMENT PLAN

EXISTING FENCE TO BE REMOVED

VEGETATION SCREEN (3.0 m HIGH)

- DC COUPLER

BESS CONTAINERS (2.9 m HIGH)

SCALE: 1:2500

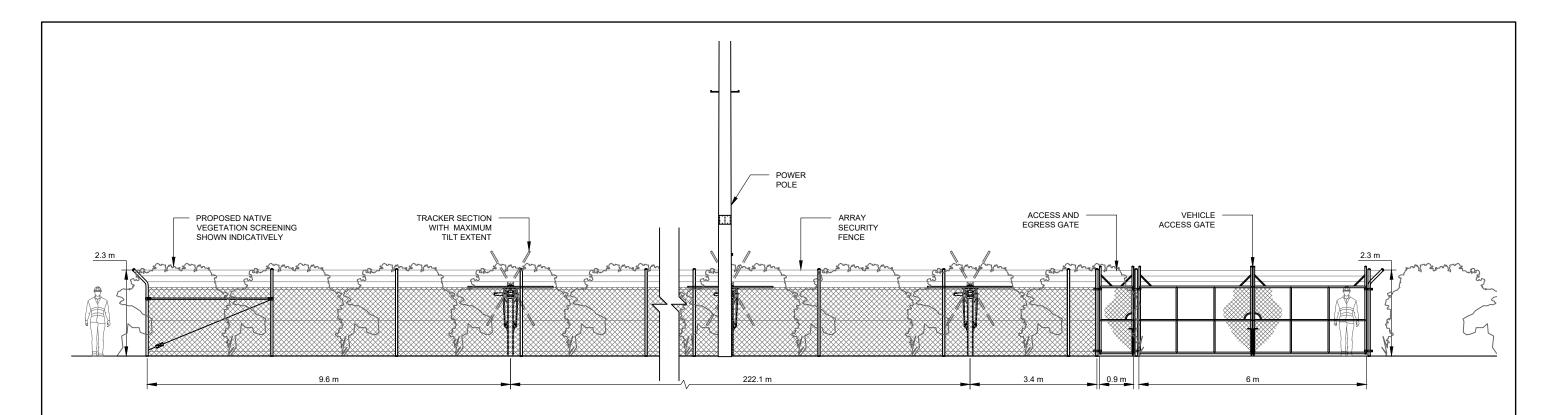
DEVELOPMENT APPLICATION

NO.	STAGE DATE	E	NOTES	PARTNERS		DRAWN MJB	DRAWING	GENERAL ARRANGEMENT PLAN		
-			1. CCTV SECURITY SYSTEM WILL BE USED, AND SECURITY CAMERAS WILL BE INSTALLED		21_	CHECKED EM	DRAWING	GENERAL ARRANGEMENT FEAR		
1	ISSUED FOR SPECIALIST STUDIES 19/01/	01/2021	AROUND THE SITE.			APPROVED SD	1			
2	DEVELOPMENT APPLICATION 27/04/	04/2021			1th	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE	AS NOTED
3	DEVELOPMENT APPLICATION 02/06/	06/2021				ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE	A3
4					RENEWARI ES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE	ORIG. DATE	3/11/20
5					B .0100000000000000000000000000000000000	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF		BOOROWA, NSW 2586	REV. DATE	7/6/21
6					info@itp.com.au O'CONNOR, ACT 2602	THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	BOO1B-G-2100	REV NO.	3
Ľ										

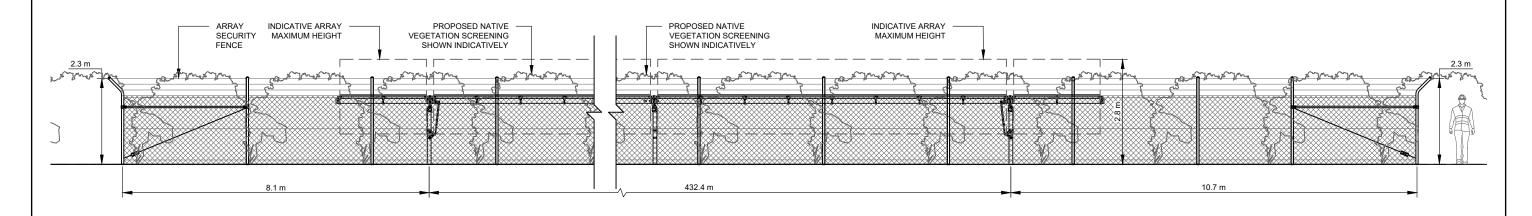
ARRAY SECURITY FENCE

STOCKPROOF FENCE

10 m APZ





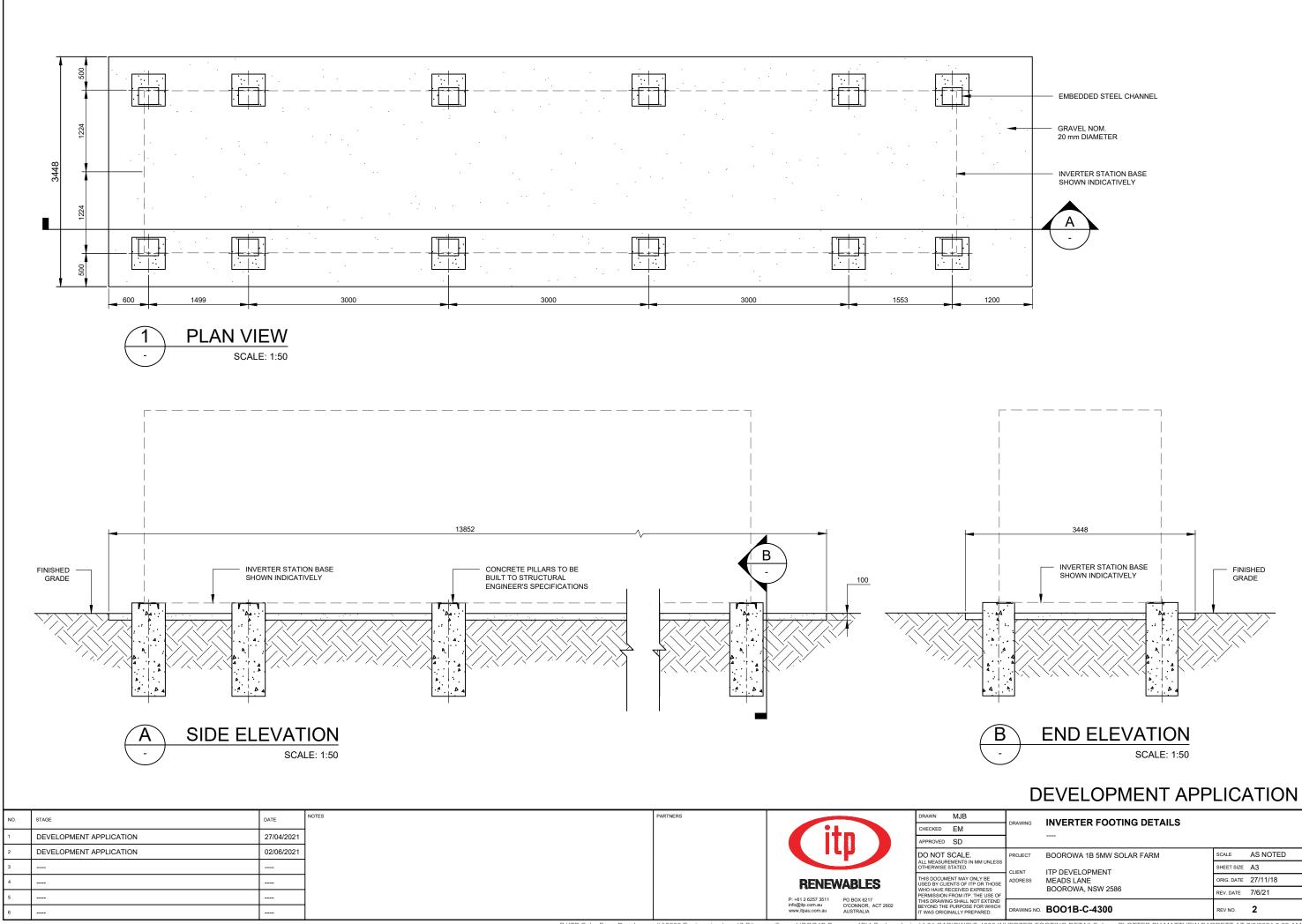


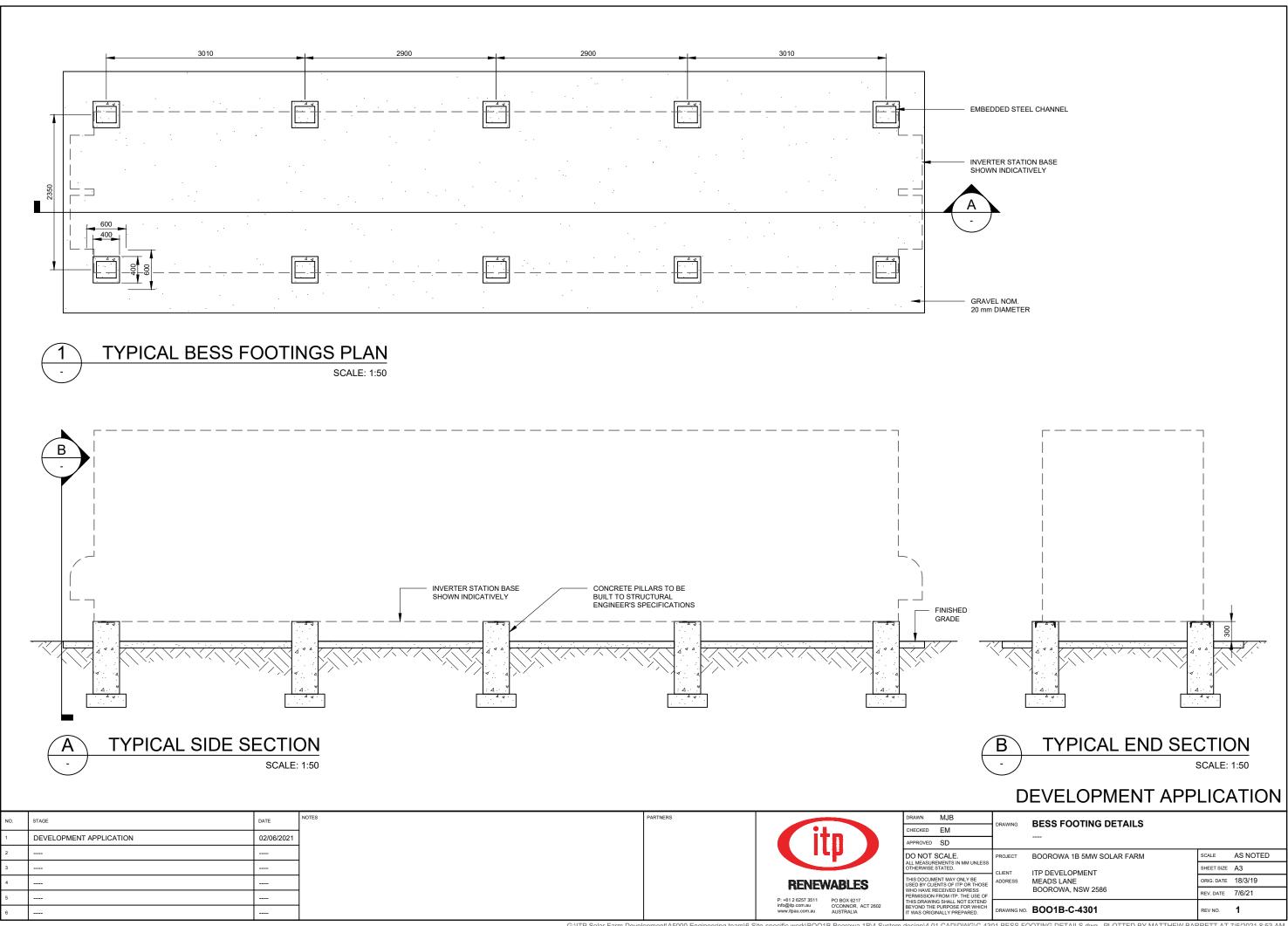


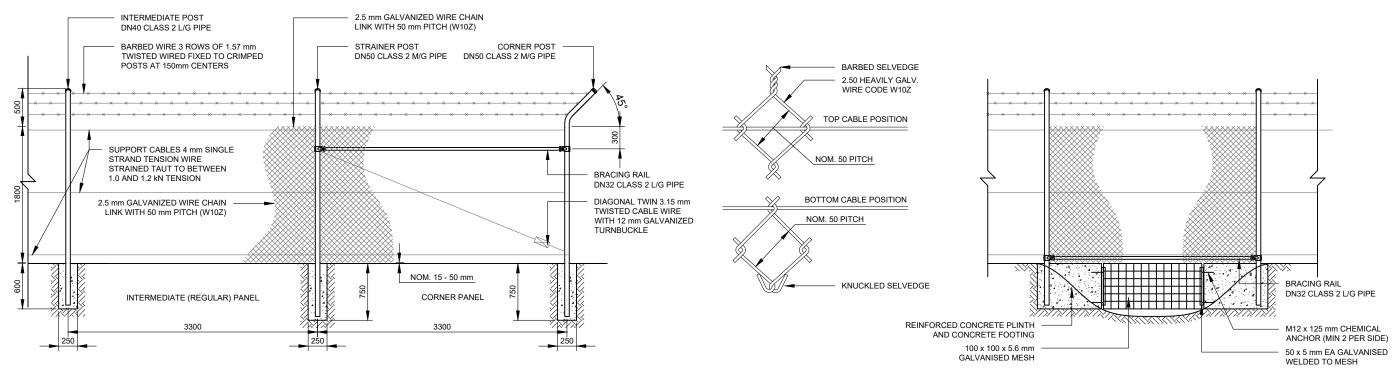
NO.	STAGE	DATE				CHECKED EM	DRAWING	SITE ELEVATIONS		
1	DEVELOPMENT APPLICATION	27/04/2021	1. TRACKER AND MODULE DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT NOTICE.		a itn b	APPROVED SD				
2	DEVELOPMENT APPLICATION	02/06/2021			1th	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE	AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE	A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE BOOROWA, NSW 2586		2/12/20
5					P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		BOOROWA, NSW 2500	REV. DATE	7/6/21
6					info@itp.com.au O'CONNOR, ACT 2602 www.itpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	D. BOO1B-G-2200	REV NO.	2
	•			D 1 045000 E : : :	10.00	0		OUTE ELEVATIONS I DI OTTED DI ALATTUENIO		

PARTNERS

DRAWN MJB

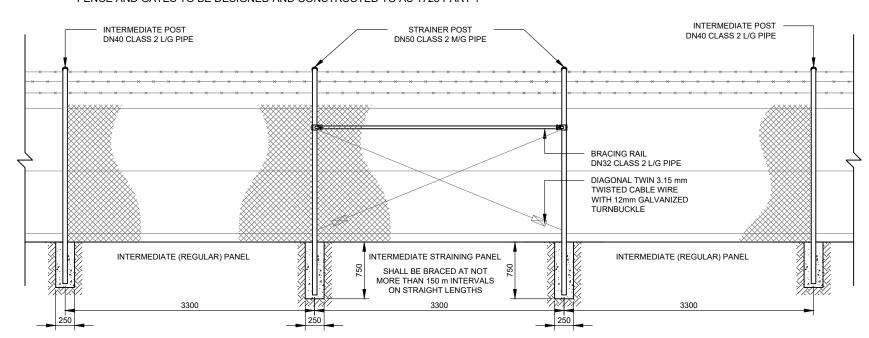






FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1

TYPICAL FENCE SECTION

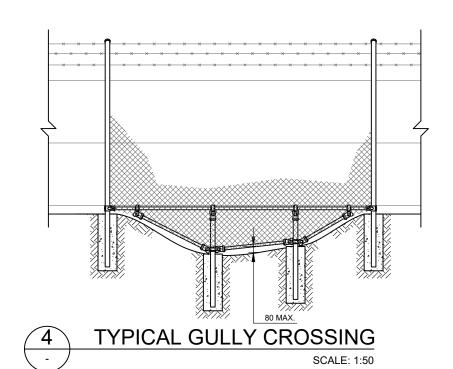


2 INTERMEDIATE STRAINING PANEL FENCE SECTION
SCALE: 1:50

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

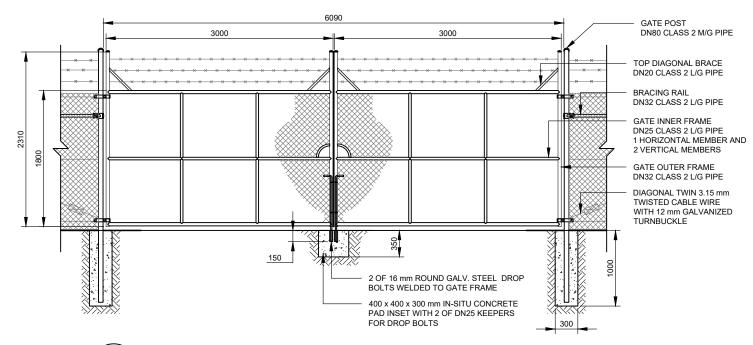
TYPICAL STORMWATER CROSSING SCALE: 1:50

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



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

STAGE	DATE	NOTES PARTNERS		DRAWN MJB	DRAWING	FENCING DETAILS		
DEVELOPMENT APPLICATION	27/04/2021		ita	CHECKED EM	1			
DEVELOPMENT APPLICATION	02/06/2021				PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE AS	AS NOTED
				ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT		SHEET SIZE A	A 3
			RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE	ORIG. DATE 23	
			P: +61 2 6257 3511 PO BOX 6217	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		BOOROWA, NSW 2500	REV. DATE 7/	7/6/21
			info@itp.com.au O'CONNOR, ACT 2602 www.ilpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING N	BOO1B-C-5300	REV NO. 2	2
	DEVELOPMENT APPLICATION DEVELOPMENT APPLICATION	DATE DATE DATE	DEVELOPMENT APPLICATION 27/04/2021 DEVELOPMENT APPLICATION 02/06/2021	DEVELOPMENT APPLICATION 27/04/2021 DEVELOPMENT APPLICATION 02/06/2021	DEVELOPMENT APPLICATION 27/04/2021	DEVELOPMENT APPLICATION 27/04/2021 DEVELOPMENT APPLICATION 02/06/2021 02/06/2021 PROJECT ADDRESS OTHERWISE STATED. RENEWABLES P4612 6257 3511 PO BDX 6217 O'CONNOR, ACT 2602 BYOM THE USE OF BYOM DITE OF DAY HOLD BY ACT 2602 BYOM THE USE OF BYOM DITE OF DAY HOLD BY ADDRESS WHICH	DEVELOPMENT APPLICATION DO NOT SCALE. ALL MEASUREMENTS IN MM UNILESS OTHERWAS STATED. THIS DOCUMENT MAY ONLY BE SERVED EXPRESS WHO HAVE RECEIVED EXPRESS OTHER HAVE BEEN AND AND AND 2586 THIS DOCUMENT MAY ONLY BE SERVED THE USE OF THIS DRAWING SHALL NOT EXPRISE AND AND AND 2586 THIS DOCUMENT MAY ONLY BE SERVED THE USE OF THIS DRAWING SHALL NOT EXPRISE AND AND AND 2586 THIS DOCUMENT MAY ONLY BE SERVED THE USE OF THIS DRAWING SHALL NOT EXPRISE AND AND AND 2586 THIS DOCUMENT MAY ONLY BE SERVED THE USE OF THIS DRAWING SHALL NOT EXPRISE AND AND AND AND 2586 THIS DOCUMENT MAY ONLY BE SERVED THE USE OF THIS DRAWING SHALL NOT EXPRISE AND AND AND 2586 THIS DOCUMENT MAY ONLY BE SERVED THE USE OF THIS DRAWING SHALL NOT EXPRISE AND AND AND 2586 THIS DOCUMENT MAY ONLY BE SERVED THE USE OF THIS DRAWING SHALL NOT EXPRISE AND	DEVELOPMENT APPLICATION 27/04/2021 DEVELOPMENT APPLICATION 02/06/2021 DO NOT SCALE. ALL MEASUREMENTS IN NAM UNLESS OTHERWISE STATEO. THIS DOCUMENT MAY ONLY BE USED BY CULENTS OF IP OR THOSE OF IT OF INCRESS OF INCREMENT OCCONNOR, ACT 2602 P. +61 2 6257 3511 PO BOX 6217 OCCONNOR, ACT 2602 PROMED BY CULENTS OF IP OR THOSE OF IT OF INCRESS OF INCREMENT OCCONNOR, ACT 2602 DRAWING FENCING DETAILS ULIENT ITP DEVELOPMENT APPLICATION SCALE ALL MORESS MEADS LANE BOOROWA, NSW 2586 REV. DATE 7 REV. DAT

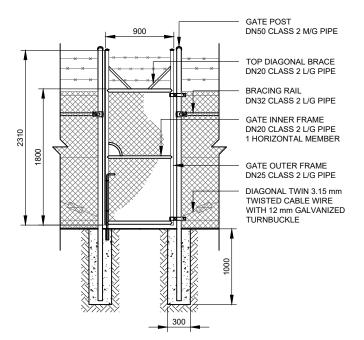


$\binom{5}{1}$

DOUBLE LEAF 6 METRE GATE SECTION

SCALE: 1:50

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



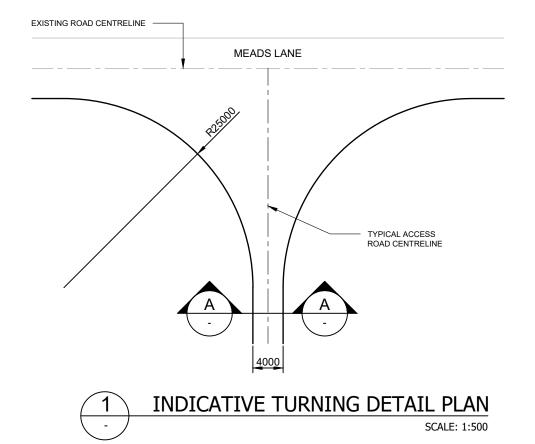
7

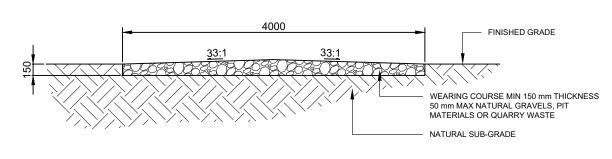
SINGLE LEAF GATE SECTION

SCALE: 1:50

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

NO.	STAGE	DATE	liones	TAKTILLIO		DIGWIN WIJD	DRAWING	GATE DETAILS	
1	DEVELOPMENT APPLICATION	27/04/2021			itn	CHECKED EM APPROVED SD	-		
2	DEVELOPMENT APPLICATION	02/06/2021			I LIP	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS	ADDRESS	MEADS LANE BOOROWA, NSW 2586	ORIG. DATE 23/11/18
5					P: +61 2 6257 3511 PO BOX 6217 info@itp.com.au O'CONNOR, ACT 260	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		<u> </u>	REV. DATE 7/6/21
6					www.itpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	BOO1B-C-5301	REV NO. 2



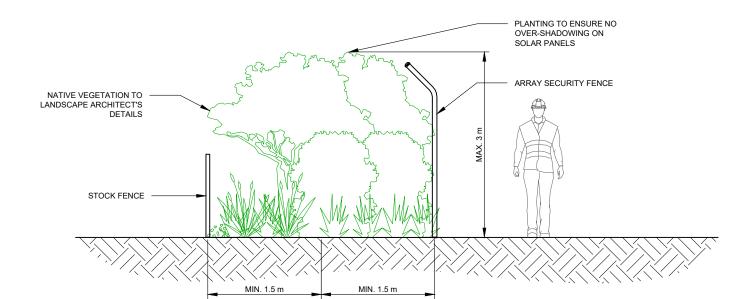




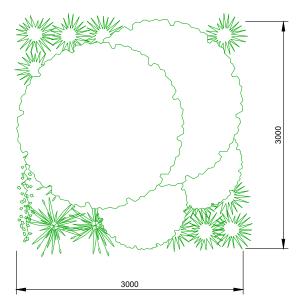
NO.	STAGE	DATE	NOTES	TAKINEKO		MOD	DRAWING	ACCESS PATH DETAILS		
<u> </u>	DEL/EL ORMENT APPLICATION	07/04/0004				CHECKED EM				
1	DEVELOPMENT APPLICATION	27/04/2021				APPROVED SD				
2	DEVELOPMENT APPLICATION	02/06/2021				DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE A	AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE	A3
4					RENEWARIES	USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE	ORIG. DATE	5/9/18
5					P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		BOOROWA, NSW 2586	REV. DATE	7/6/21
6					info@itp.com.au O'CONNOR, ACT 2602	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	BOO1B-C-6300	REV NO.	2











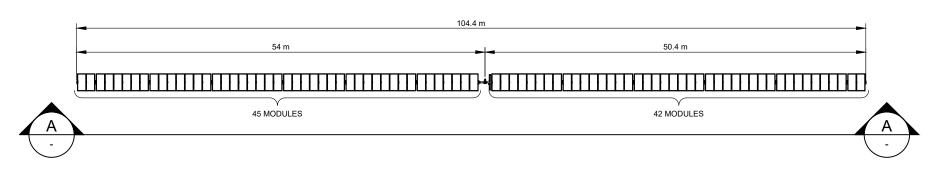
PLANTING SCHEDULE

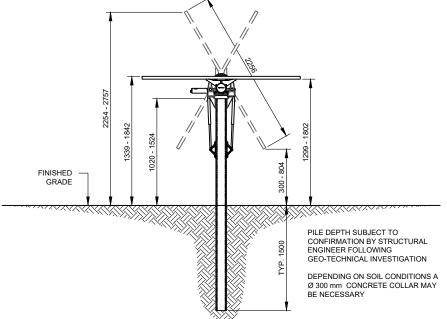
KEY PLAN SYMBOL	000000000000000000000000000000000000000
VEGETATION TYPE	NATIVE VEGETATION TO LANDSCAPE ARCHITECT'S DETAILS
SPACING	3.0 m
MAX. HEIGHT	3.0 m



3 INDICATIVE PLANTING STYLE
SCALE: 1:50

NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN MJB	DRAWING	LANDSCAPE DETAILS		
1	DEVELOPMENT APPLICATION	27/04/2021			itn	CHECKED EM APPROVED SD	1			
2	DEVELOPMENT APPLICATION	02/06/2021			I LLP	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE	AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE	A3
4					RENEWABLES	USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE	ORIG. DATE	7/1/21
5						WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		BOOROWA, NSW 2586	REV. DATE	7/6/21
6					info@itp.com.au O'CONNOR, ACT 2602		DRAWING NO.	BOO1B-C-7300	REV NO.	2



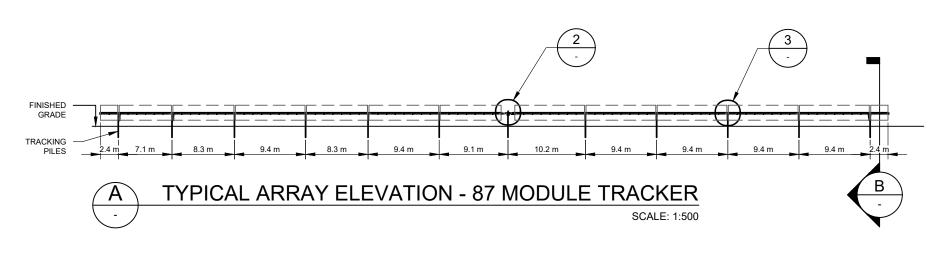


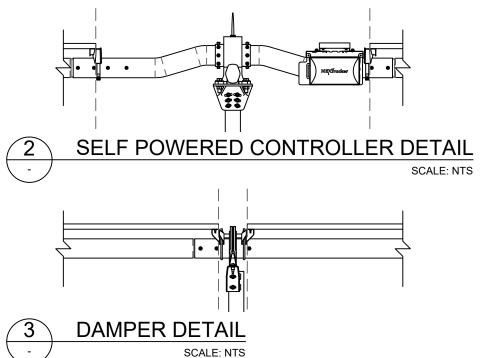
TYPICAL ARRAY PLAN - 87 MODULE TRACKER

SCALE: 1:500

B TYPICAL ARRAY END ELEVATION

SCALE: 1:50

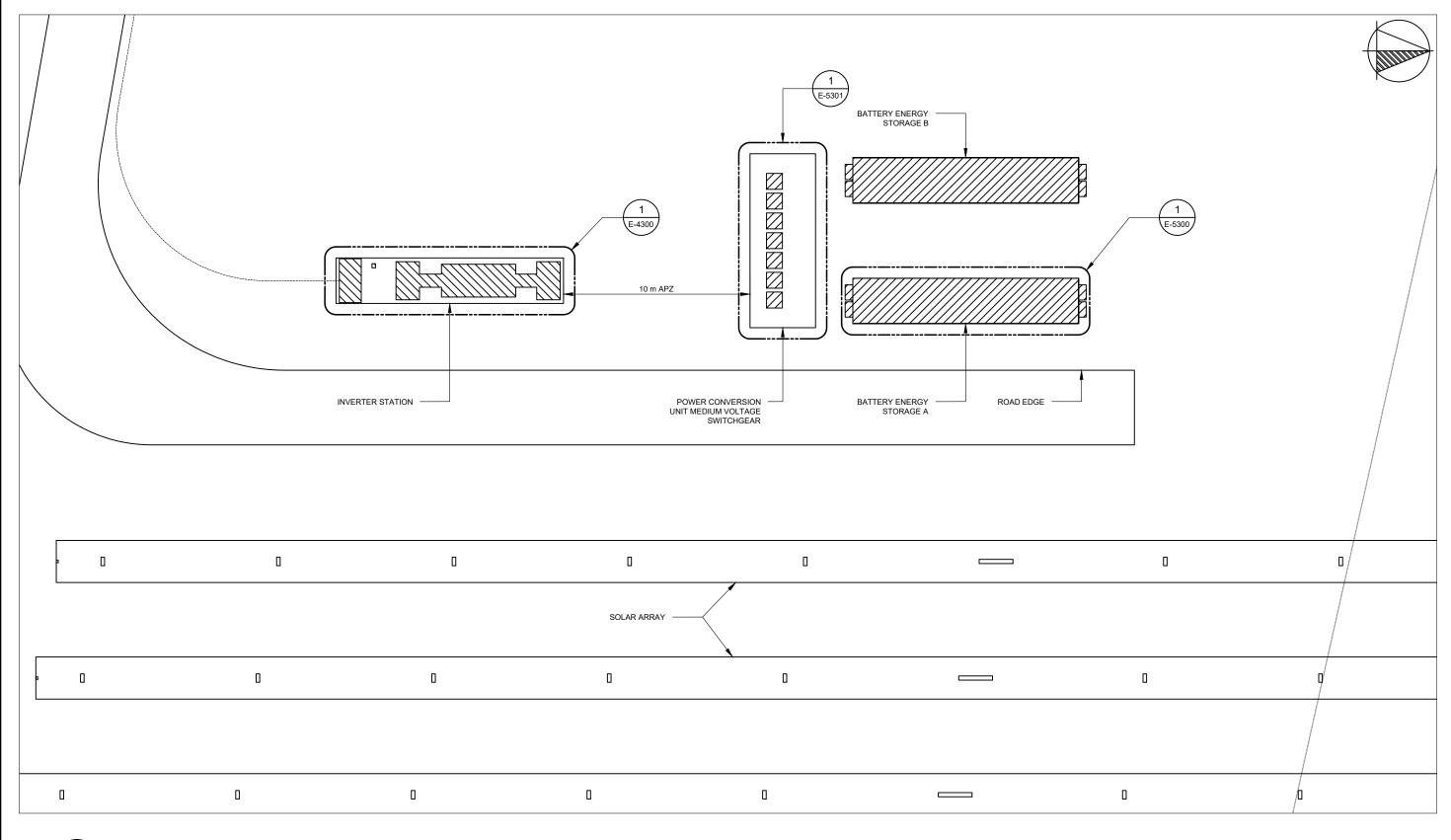




DEVELOPMENT APPLICATION

NO	, STAGE DATE			CHECKED EM	DRAWING	NEXTRACKER ARRAY DETAILS		,
1	DEVELOPMENT APPLICATION 27/04/202	1. TRACKER AND MODULE DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT NOTICE.	itn 1	APPROVED SD	1			
2	DEVELOPMENT APPLICATION 02/06/202		1 Lth	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE	AS NOTED
3				ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE	A3
4			RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE	ORIG. DATE	17/1/19
5]	P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		BOOROWA, NSW 2586	REV. DATE	7/6/21
6		1	info@itp.com.au O'CONNOR, ACT 2602 www.ltpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING N	o. BOO1B-E-3400	REV NO.	2
_				<u> </u>				

PARTNERS

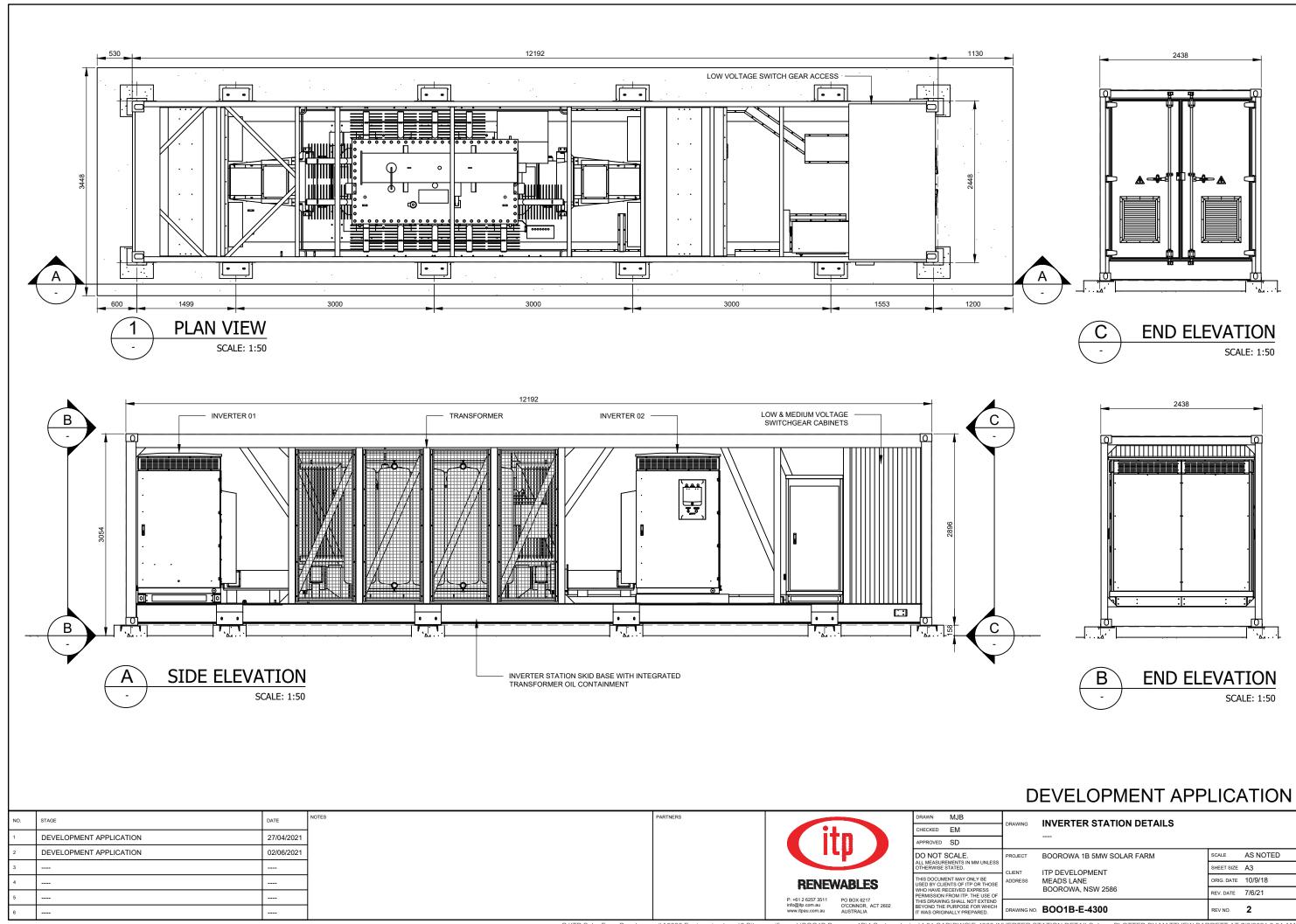


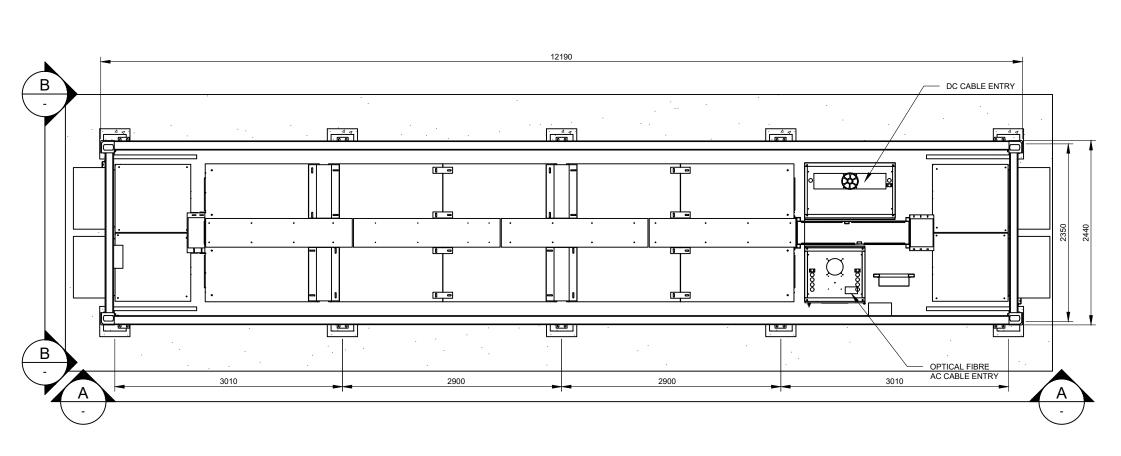


INVERTER STATION PLAN

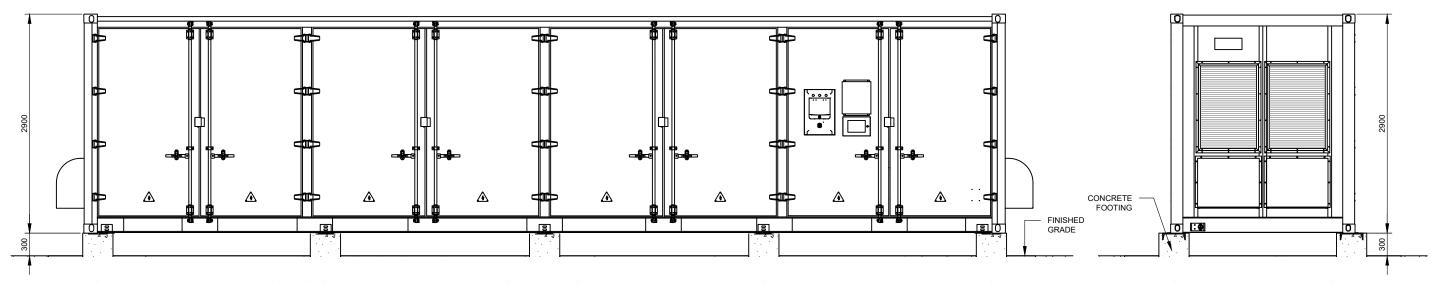
SCALE: 1:200

NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN MJB CHECKED EM	DRAWING	INVERTER STATION PLAN	
1	DEVELOPMENT APPLICATION	02/06/2021	DIMENSIONS AND LAYOUT ADJUSTED TO INCORPORATE APZ FIRE SAFETY / SETBACK REQUIREMENTS.		d itn	APPROVED SD			
2					1 cp	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE	ORIG. DATE 3/11/20
5					P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		BOOROWA, NSW 2586	REV. DATE 7/6/21
6						BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING N	o. BOO1B-E-4100	REV NO. 1





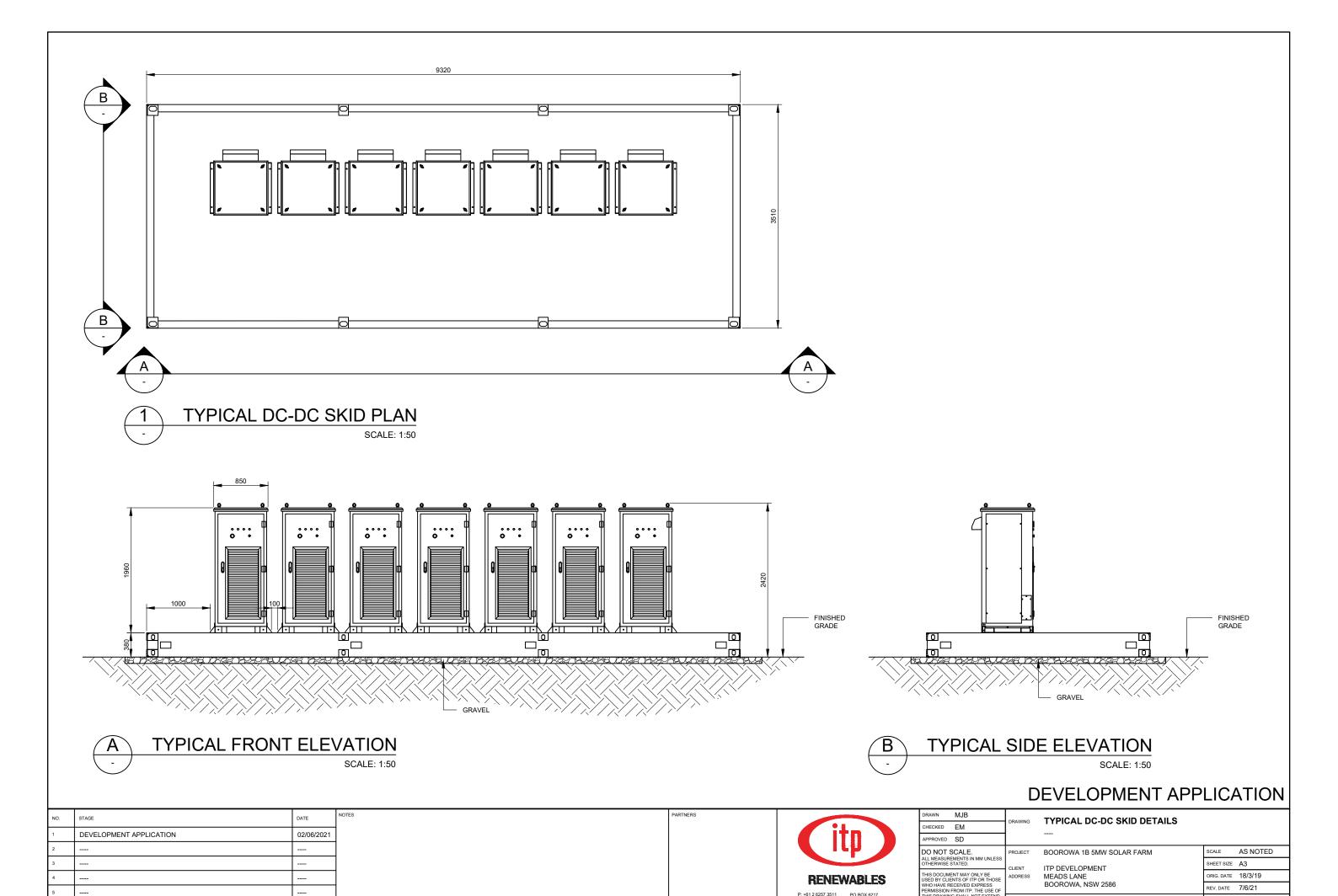








STAGE	DATE	NOTES	PARTNERS		DRAWN MJB CHECKED EM	DRAWING	TYPICAL BESS DETAILS	
DEVELOPMENT APPLICATION	02/06/2021			a itn b	APPROVED SD			
				1 cp	DO NOT SCALE.	PROJECT	BOOROWA 1B 5MW SOLAR FARM	SCALE
					ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET
				RENEWABLES	USED BY CLIENTS OF ITP OR THOSE	ADDRESS	MEADS LANE	ORIG. D
				P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		BOOROWA, NSW 2586	REV. DA
				info@itp.com.au O'CONNOR, ACT 2602 www.itpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	BOO1B-E-5300	REV NO



AWING NO. BOO1B-E-5301