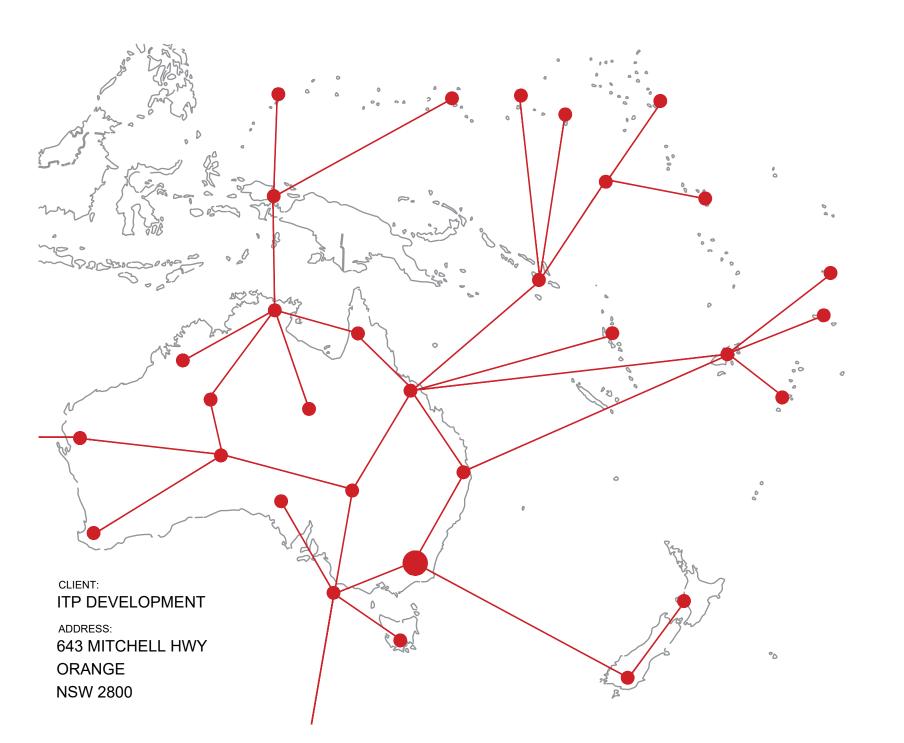
ORANGE COMMUNITY RENEWABLE ENERGY PARK

ORA2B - DEVELOPMENT APPLICATION



Sheet List Table							
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G-040	LOCATION PLAN						
G-210	GENERAL ARRANGEMENT PLAN						
G-211	SETBACK DIMENSIONS						
C-120	SITE ELEVATIONS						
C-430	TYPICAL INVERTER FOOTINGS DETAIL						
C-530	TYPICAL FENCING DETAIL						
C-610	SITE ACCESS PLAN						
C-620	TYPICAL ROAD SECTION						
C-710	LANDSCAPE PLAN						
E-341	TYPICAL ARRAY DETAIL						
E-411	TYPICAL INVERTER STATION PLAN						
E-430	TYPICAL INVERTER STATION DETAIL						
-530	TYPICAL BESS DETAIL						



Level 1, 19-23 Moore St, Turner ACT 2612

PO Box 6127, O'Connor ACT 2602 info@itpau.com.au

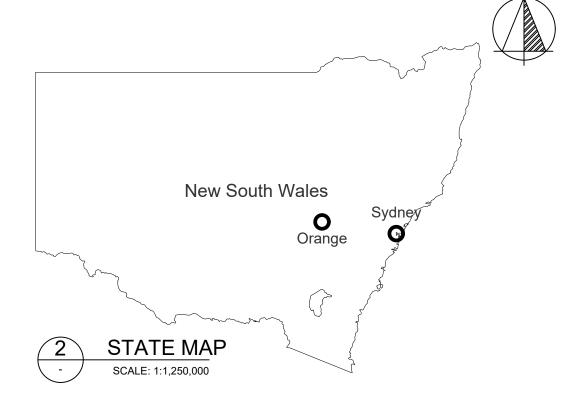
itpau.com.au

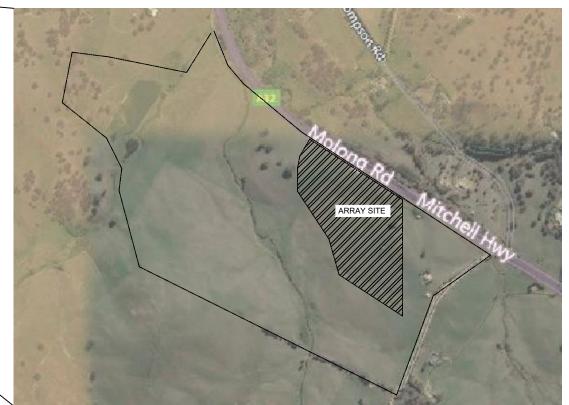
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IT Power (Australia)

+61 (0) 2 6257 3511 +61 (0) 2 6257 6511







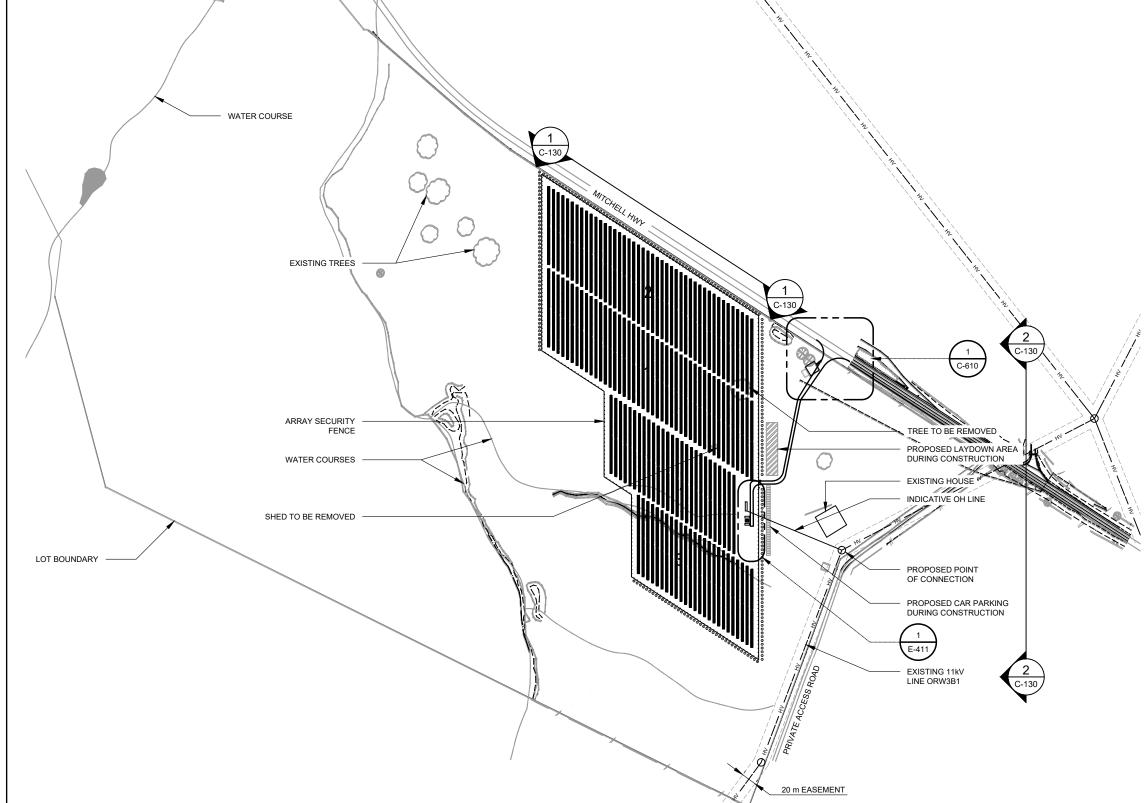
1 LOCATION MAP

SCALE: 1:100,000

3 LOCATION PLAN
SCALE: 1:12,500

NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN NL	DRAWING	LOCATION PLAN		
-			-		:1_	CHECKED PM		20071110111 27111		
1	ISSUED FOR DA APPROVAL	22/10/19				APPROVED SD				
2					1th	DO NOT SCALE.	PROJECT	ORANGE COMMUNITY RENEWABLE ENERGY	SCALE #	AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	PARK ITP DEVELOPMENT	SHEET SIZE #	A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	643 MITCHELL HWY	ORIG. DATE 4	4/10/19
5						WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF		ORANGE, NSW 2800	REV. DATE 2	28/8/20
6			†		info@itp.com.au O'CONNOR, ACT 2602	THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING N	o. ORA2B-G-040	REV NO.	1
Ľ						II III O GILGIO LETT NET ANED.				





SITE IN	IFORMATION
LOT / DP	200/1194585
ADDRESS	643 MITCHELL HWY, ORANGE, NSW 2800
LGA	ORANGE CITY COUNCIL
LAT / LONG	-33.23727 / 149.04856
ELEVATION	863 m
LOT AREA	78.2 ha
FENCED AREA	10.8 ha
DNSP	ESSENTIAL ENERGY

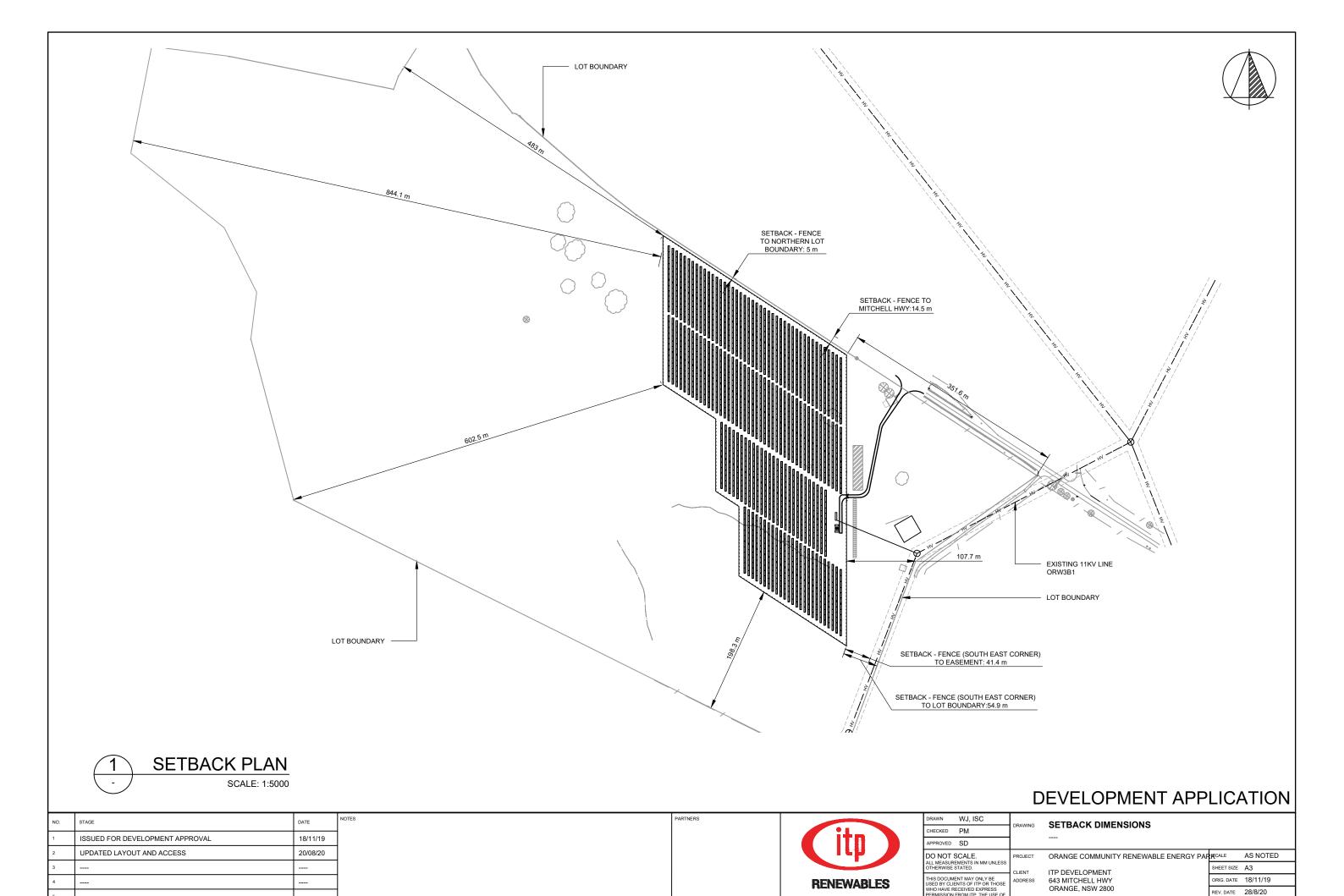
PROJECT	INFORMATION
AC CAPACITY	5.0 MW
INVERTERS	2 x 3 MW AC
TRACKER SPACING (N-S)	5.5 m
ARRAY PITCH	6.25 m
CONNECTION VOLTAGE	11 kV
CONNECTION FEEDER	ESSENTIAL ENERGY ORW3B1
CONNECTION SUBSTATION	ESSENTIAL ENERGY ORANGE WEST
SECURITY FENCE SETBACK	MIN. 3 m FROM LOT BOUNDARY
ARRAY SETBACK	MIN. 8 m FROM SECURITY FENCE
ACCESS ROAD WIDTH	4 m



GENERAL ARRANGEMENT PLAN

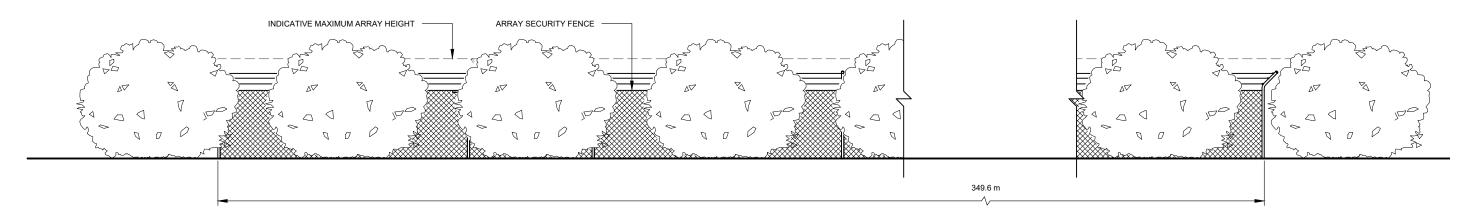
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NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN NL, ISC	DRAWING	GENERAL ARRANGEMENT PLAN	
1	ISSUED FOR DA APPROVAL	18/11/19			(itp)	CHECKED PM APPROVED SD			
2	UPDATED MODULES, LAYOUT AND ACCESS	28/08/10			1rh		PROJECT	ORANGE COMMUNITY RENEWABLE ENERGY	SCALE AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	PARK ITP DEVELOPMENT	SHEET SIZE A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	643 MITCHELL HWY	ORIG. DATE 18/7/19
5					P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		ORANGE, NSW 2800	REV. DATE 28/8/20
6					info@itp.com.au O'CONNOR, ACT 2602 www.itpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING N	o. ORA2B-G-210	REV NO. 2

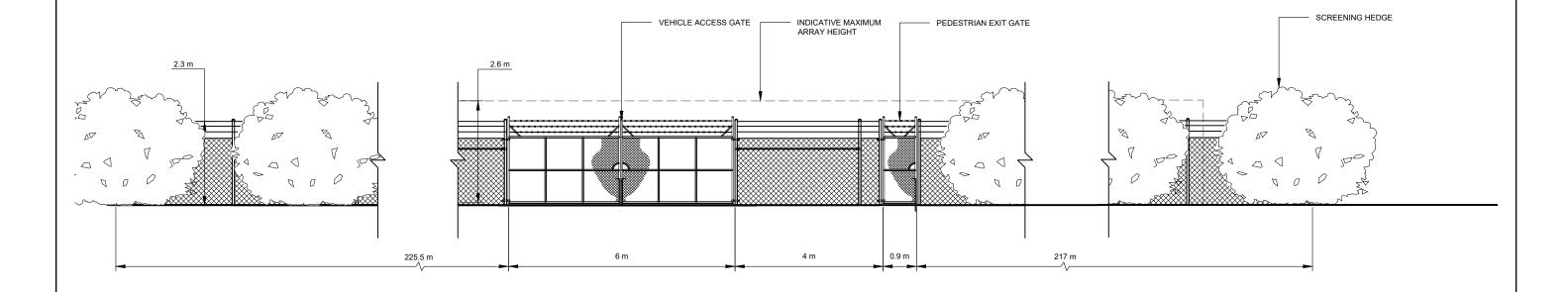


AWING NO. ORA2B-G-211

REV NO. 2

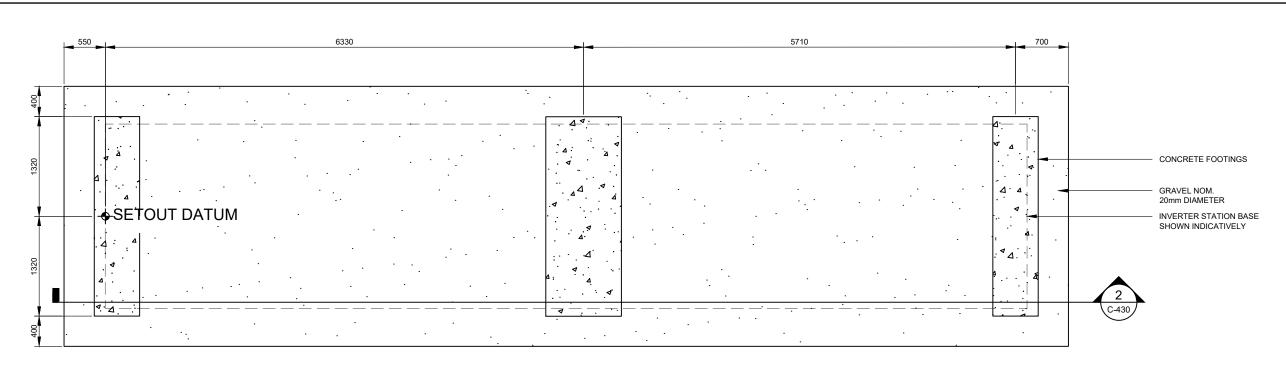


1 MITCHELL HIGHWAY FRONTAGE SCALE: 1:100

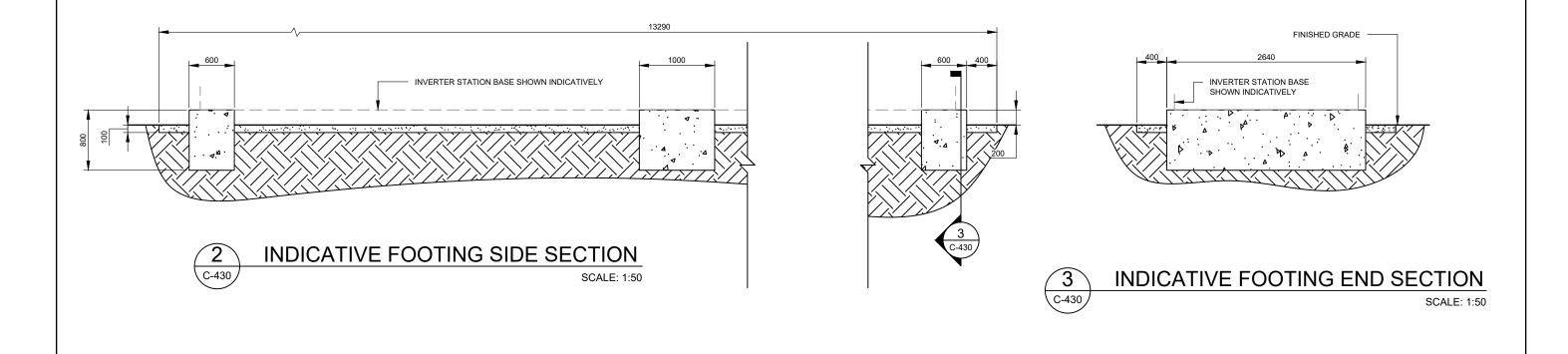




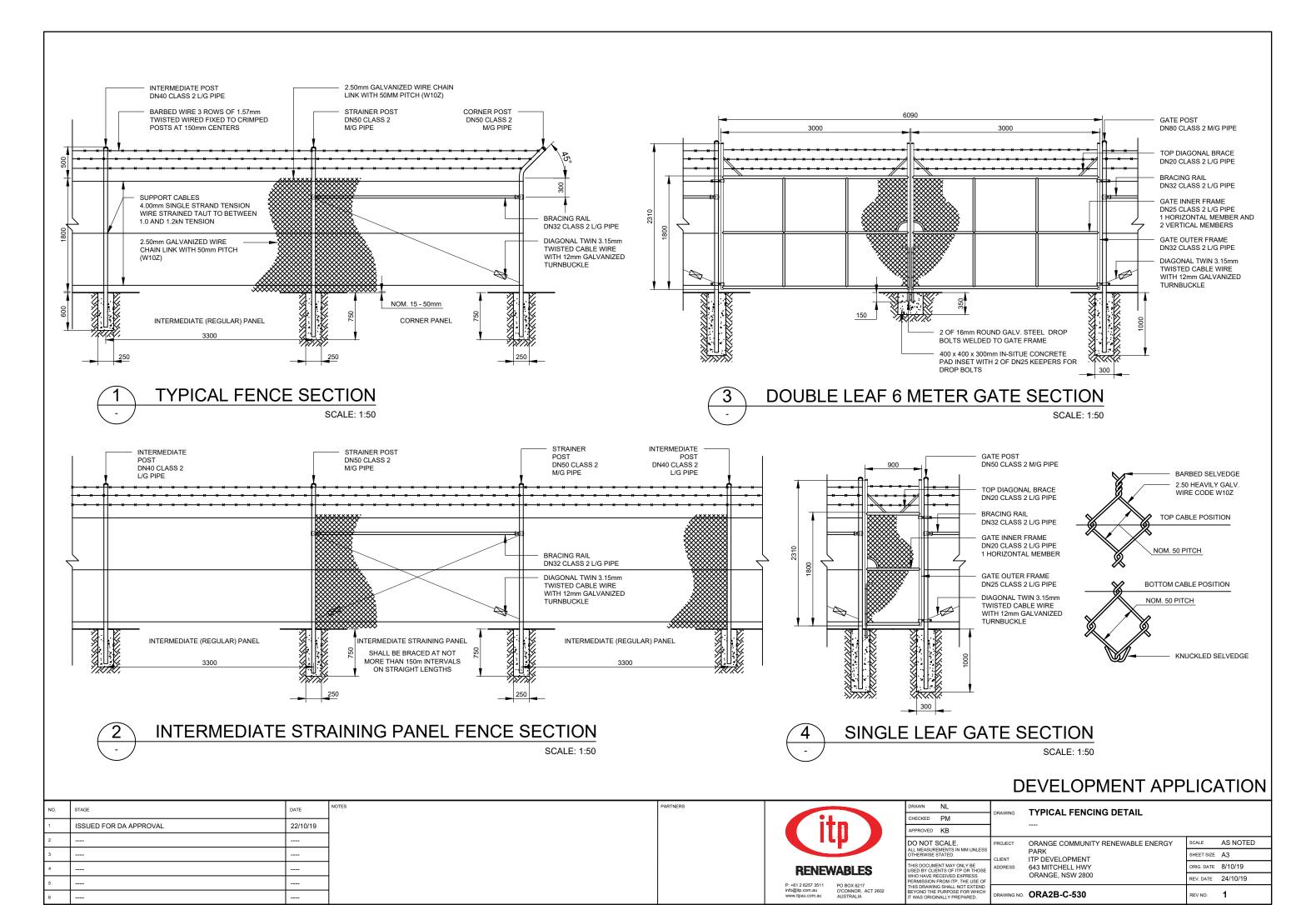
NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN NL CHECKED PM	DRAWING	SITE ELEVATIONS	
1	ISSUED FOR DA APPROVAL	22/10/19			d itn	APPROVED KB			
2					1th	DO NOT SCALE.	PROJECT	ORANGE COMMUNITY RENEWABLE ENERGY	SCALE AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	PARK ITP DEVELOPMENT	SHEET SIZE A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS	ADDRESS	643 MITCHELL HWY ORANGE, NSW 2800	ORIG. DATE 9/10/19
5					P: +61 2 6257 3511 PO BOX 6217	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		·	REV. DATE 7/8/20
6						BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	D. ORA2B-C-120	REV NO.



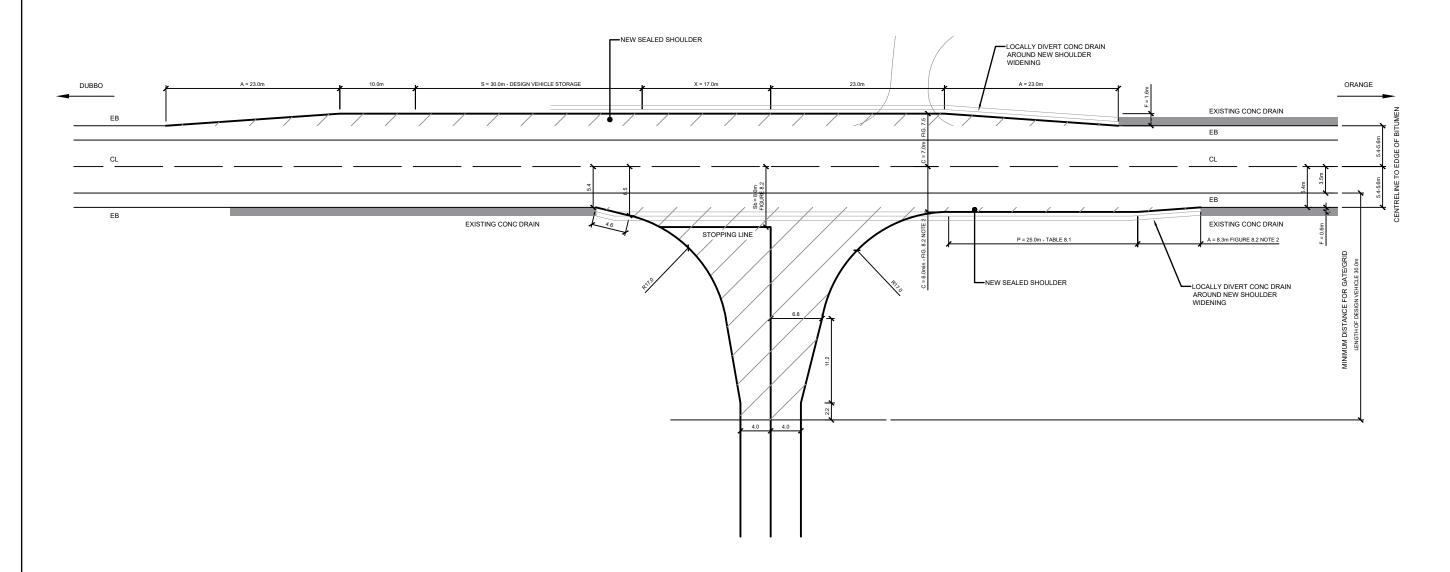
1 INDICATIVE FOOTING PLAN SCALE: 1:50



NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN NL	DRAWING	TYPICAL INVERTER FOOTINGS DET	AIL	
1	ISSUED FOR DA APPROVAL	22/10/19			itn	CHECKED PM APPROVED KB	1			
2					ich	DO NOT SCALE.	PROJECT	ORANGE COMMUNITY RENEWABLE ENERGY	SCALE	AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	PARK ITP DEVELOPMENT	SHEET SIZE	A3
4					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	643 MITCHELL HWY ORANGE, NSW 2800	ORIG. DATE	
5					P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		ORANGE, NSW 2000	REV. DATE	27/8/20
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	ORA2B-C-430	REV NO.	1









MITCHELL HIGHWAY ACCESS

SCALE: 1:500

DEVELOPMENT APPLICATION

NO.	STAGE	DATE	I
1	ISSUED FOR DEVELOPMENT APPROVAL	09/12/19	
2	UPDATED DESIGN FOR TURN SPEED 5 KM/HR	27/08/20	
3			
4			
5			
6			

ALL REFERENCES TO FIGURES AND TABLES ARE FROM AUSTROADS GtRD PART 4A.

THIS IS A PLANNING DRAWING ONLY, FOR THE PURPOSE OF CONCEPTUAL DESIGN AND/OR PLANNING. FURTHER DETAILED ENGINEERING DESIGN INCLUDING SPECIFICATIONS. SIZING AND STORMWATER INVERTS TO BE PROVIDED PRIOR TO BUILDING RULES ASSESSMENT AND CONSTRUCTION.

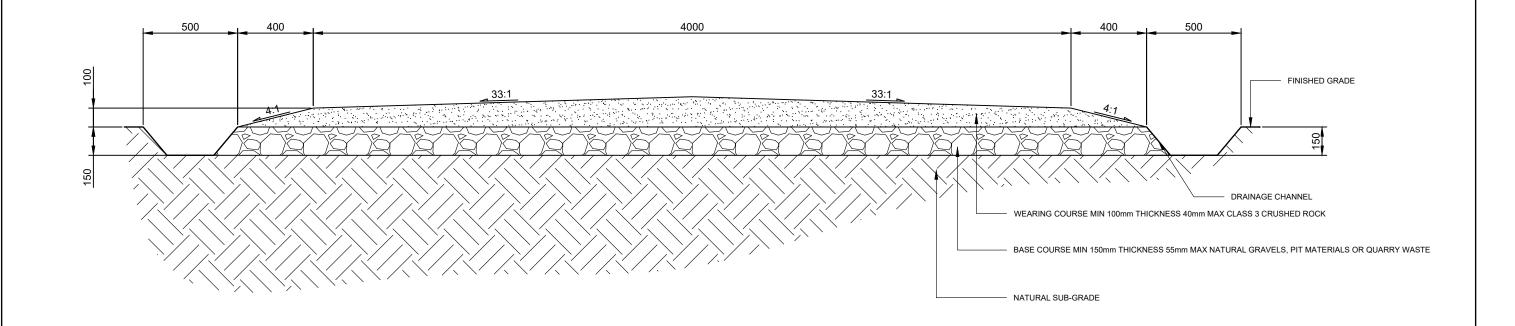




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P: +61 2 6257 3511	PO BOX 6217

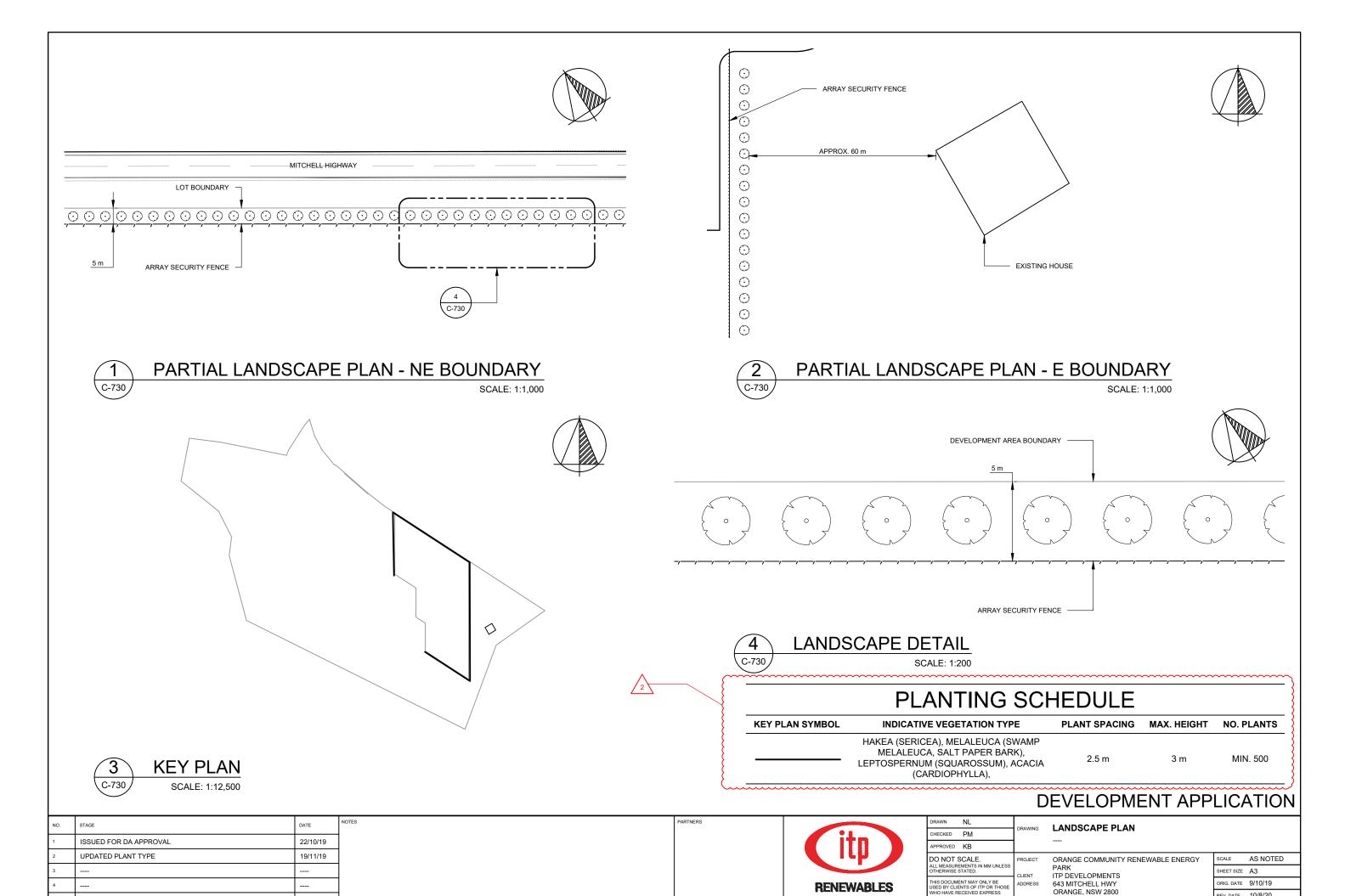
P: +61 2 6257 3511	PO BOX 6217
info@itp.com.au	O'CONNOR, ACT 26
www.itpau.com.au	AUSTRALIA

DRAWN	NL		SITE ACCESS PLAN		
CHECKED	PM	DRAWING	SITE ACCESS PLAN		
APPROVED	SD				
DO NOT S		PROJECT	ORANGE COMMUNITY RENEWABLE ENERGY PAR	K CALE	AS NOTED
OTHERWISE S	MENTS IN MM UNLESS TATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE	A3
	NT MAY ONLY BE NTS OF ITP OR THOSE	ADDRESS	643 MITCHELL HWY	ORIG. DATE	5/12/19
	ECEIVED EXPRESS FROM ITP. THE USE OF		ORANGE, NSW 2800	REV. DATE	28/8/20
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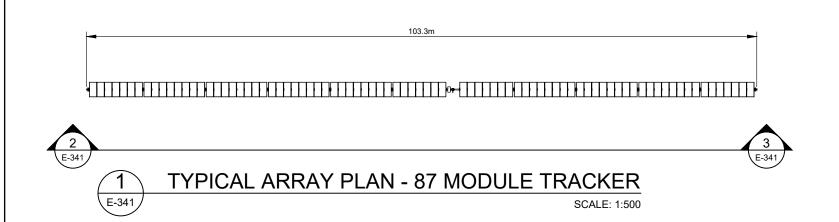
NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN NL	DRAWING	TYPICAL ROAD SECTION	
1	ISSUED FOR DEVELOPMENT APPROVAL	09/12/19			I I T N	CHECKED PM APPROVED KB			
2					1th	DO NOT SCALE.	PROJECT	ORANGE COMMUNITY RENEWABLE ENERGY PA	RIKCALE AS NOTED
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	ITP DEVELOPMENT	SHEET SIZE A3
4						THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS	ADDRESS	643 MITCHELL HWY ORANGE, NSW 2800	ORIG. DATE 9/12/19
5					P: +61 2 6257 3511 PO BOX 6217	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND			REV. DATE 9/12/19
6					info@itp.com.au O'CONNOR, ACT 2602 www.ltpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	ORA2B-C-620	REV NO. 1

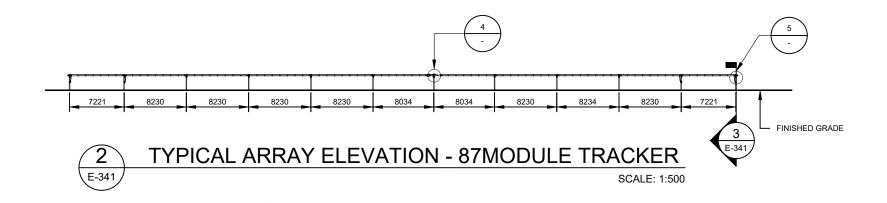


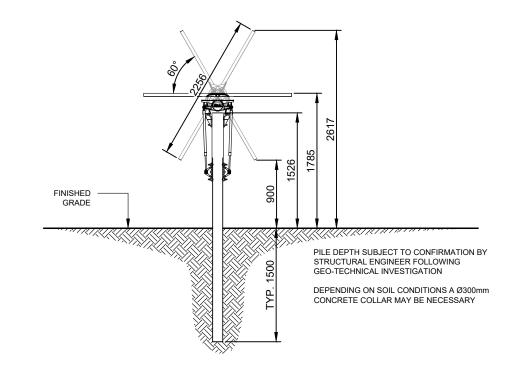
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REV. DATE 10/8/20

REV NO. 2

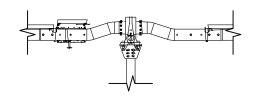




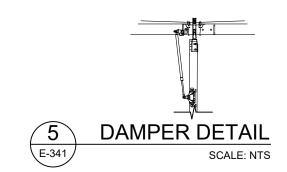


TYPICAL ARRAY SECTION

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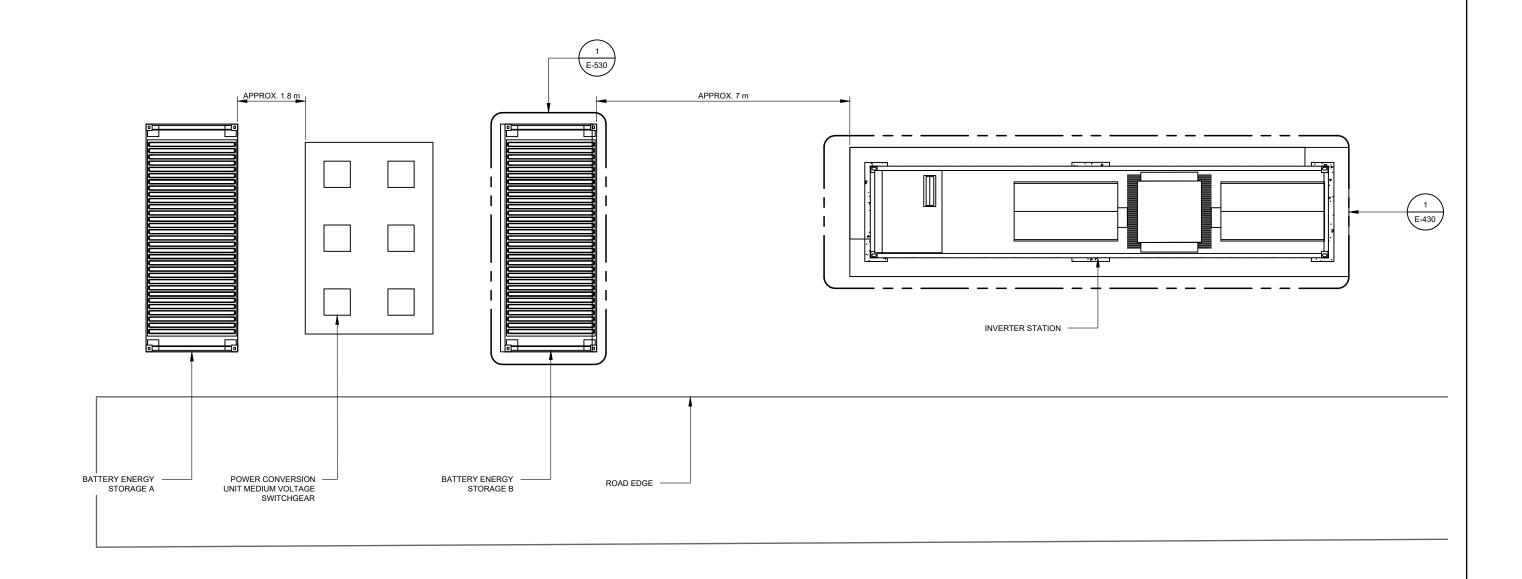


SELF POWERED CONTROLLER DETAIL
SCALE: NTS



NO.	STAGE	DATE	NOTES	PARTNERS		CHECKED PM	DRAWING	TYPICAL ARRAY DETAIL	
1	ISSUED FOR DA APPROVAL	22/10/19			ito 👅	APPROVED KB			
2							PROJECT	OTO THOSE GOMMONT I TREITE WILDER ENERGY	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	ODANCE NEW 2000	ORIG. DATE 9/10/19
5					P: +61 2 6257 3511 PO BOX 6217	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND			REV. DATE 7/8/20
6						BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO.	o. ORA2B-E-341	REV NO. 1







NO.	STAGE	DATE	NOTES	PARTNERS		DRAWN ISC CHECKED PM	DRAWING	TYPICAL INVERTER STATION PLAN		
1	ISSUED FOR DA APPROVAL	22/10/19			itn	APPROVED SD				
2	INVERTER STATION AND BESS RELOCATED	27/08/20			Irh 1		PROJECT	ORANGE COMMUNITY RENEWABLE ENERGY	SCALE	AS N
3						ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT	PARK ITP DEVELOPMENT	SHEET SIZ	E A3
					RENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS	ADDRESS	643 MITCHELL HWY ORANGE, NSW 2800		re 22/10/
,					P: +61.2 6257 3511 PO BOX 6217	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		ONANGE, NOW 2000	REV. DATE	28/8/2
6					info@ltp.com.au O'CONNOR, ACT 2602 www.itpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	ORA2B-E-411	REV NO.	2

