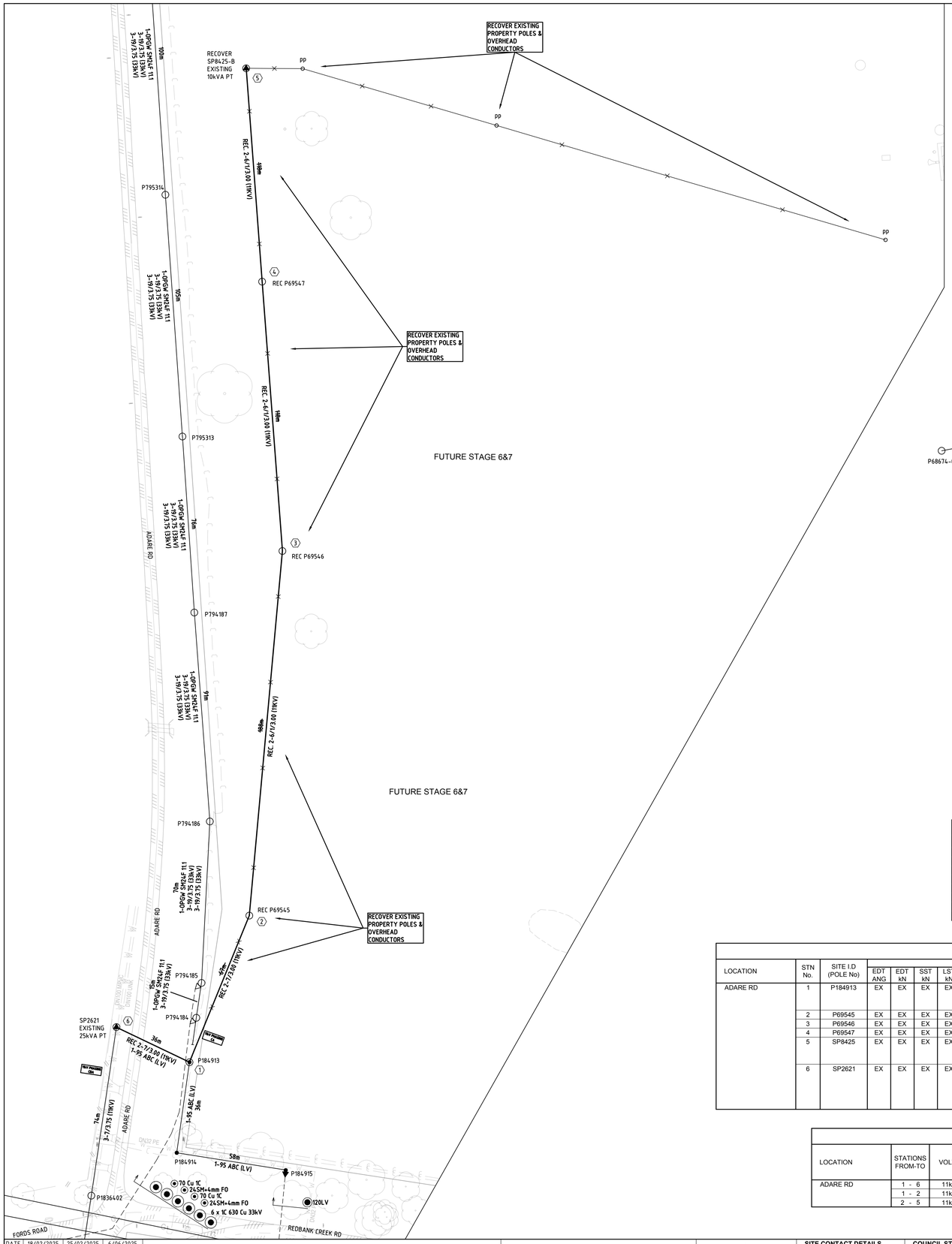
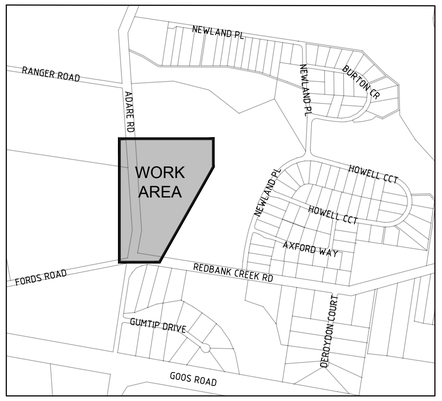


ELECTRICAL CERTIFICATION

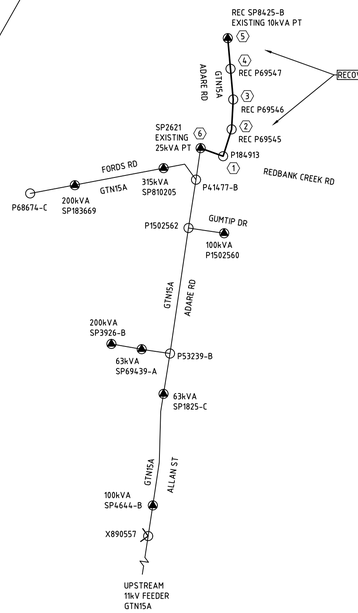
THIS IS TO CERTIFY THAT THE DESIGN OF ENERGEX RETICULATION IS IN ACCORDANCE WITH ENERGEX DESIGN MANUALS AND WORK CATEGORY SPECIFICATION 47.1 & 47.3 WHERE APPLICABLE.

KRIS BOVEINIS (RPEQ 22272)

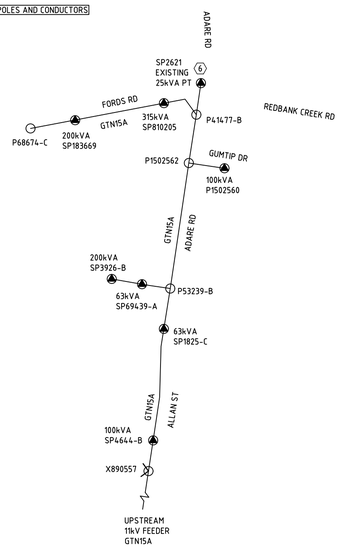
DATE 7/06/2025



SITE LOCALITY
(SCALE: N.T.S.)



EXISTING HV GEOGRAPHIC
11kV FEEDER GTN15A



PROPOSED HV GEOGRAPHIC
11kV FEEDER GTN15A

SYMBOL LEGEND

- PROPOSED 50mm S/L
- PROPOSED 50mm S/L (RATE 3)
- PROPOSED ENERGEX 100mm COMMS
- PROPOSED 100mm
- PROPOSED 125mm
- EXISTING 40mm S/L
- EXISTING ENERGEX 100mm COMMS
- EXISTING 100mm
- EXISTING 125mm
- PROPOSED CABLE (AS MARKED)
- EXISTING CABLE (AS MARKED)
- PROPOSED UNDERGROUND HV/LV ROUTE
- EXISTING UNDERGROUND HV/LV ROUTE
- PROPOSED OVERHEAD HV/LV ROUTE
- EXISTING OVERHEAD HV/LV ROUTE
- PROPOSED S/L CABLE
- EXISTING S/L CABLE
- PADMOUNT TRANSFORMER
- PMT LV GEOGRAPHIC
- PMT HV GEOGRAPHIC
- RING MAIN UNIT
- RMU HV SCHEMATIC
- PROPOSED SUPPLY PILLAR
- EXISTING SUPPLY PILLAR
- PROPOSED LINK PILLAR
- EXISTING LINK PILLAR
- COMMERCIAL PILLAR
- EARTH
- PROPOSED TYPE 4 PIT
- EXISTING TYPE 4 PIT
- RECOVER EQUIPMENT
- 11kV STRAIGHT JOINT
- OVERHEAD POLE TRANSFORMER
- OVERHEAD POLE (HV ONLY)
- OVERHEAD POLE (LV ONLY)
- OVERHEAD POLE (HV & LV)
- OVERHEAD HV TERMINATION
- OVERHEAD LV TERMINATION
- AIR BREAK SWITCH (OPEN)
- AIR BREAK SWITCH (CLOSED)
- DISCONNECT LINKS (OPEN)
- DISCONNECT LINKS (CLOSED)
- WATER METER
- SURVEY PEG
- STATION NUMBER

PROPOSED COMMISSIONING SCHEDULE

TENTATIVE ONLY SUBJECT TO AMENDMENT BY SWITCHING CO-ORDINATOR

ITEM No	LOCATION	APPARATUS	ACTION
	RECOVER OVERHEAD - LIVE LINE		
1	ADVISE CONTRACT SUPERVISOR SWITCHING TO COMMENCE		
2	RECEIVE CLEARANCE FROM WORK CREWS ALL WORK COMPLETED		
3	NOTIFY ALL WORK CREWS TREAT PILLARS AS LIVE		
4	ADARE RD SP2621	LIVE LINE	BREAK BRIDGES
8	EXISTING OVERHEAD	POLES & CONDUCTORS	RECOVER
9	ADVISE CONTRACT SUPERVISOR SWITCHING COMPLETE		

OVERHEAD WORKS SCHEDULE

LOCATION	STN No.	SITE I.D (POLE No)	POLES												CONSTRUCTIONS (Note: KBS is top KB to top KB)								REMARKS
			EDT ANG	EDT kN	SST kN	LST kN	EXISTING	RECOVER	ERECT	SINK	FOOT	COMP ID	ALIGN	LCC	EXISTING	RECOVER	ERECT	No	KBS	ANG	LCC		
ADARE RD	1	P184913	EX	EX	EX	EX	EX	EX		EX	EX	EX	EX		11VS 11VS LVABC/XS	11VS 11VS		1 1 1	EX EX EX				RECOVER 2 X VERTICAL SHACKLE CONSTRUCTIONS
	2	P69545	EX	EX	EX	EX	EX	EX		EX	EX	EX	EX		11P	11P		1	EX				RECOVER POLE & ALL CONSTRUCTIONS
	3	P69546	EX	EX	EX	EX	EX	EX		EX	EX	EX	EX		11P	11P		1	EX				RECOVER POLE & ALL CONSTRUCTIONS
	4	P69547	EX	EX	EX	EX	EX	EX		EX	EX	EX	EX		11P	11P		1	EX				RECOVER POLE & ALL CONSTRUCTIONS
	5	SP8425	EX	EX	EX	EX	EX			EX	EX	EX	EX		11T 11EDO2 11PT/10	11T 11EDO2 11PT/10		1 1 1	EX EX EX				RECOVER POLE & ALL CONSTRUCTIONS
	6	SP2621	EX	EX	EX	EX	EX	EX		EX	EX	EX	EX		11T 11T 11EDO3 11PT/25B LVABC/T	11T		1 1 1 1 1	EX EX EX EX EX				RECOVER 11T

OVERHEAD CONDUCTOR SCHEDULE

LOCATION	STATIONS FROM-TO	VOLTS	EXISTING	TRANSFER	RECOVER	ERECT	No. OF SPANS	DIST (m)	STRING TABLE	M.E.S	SAG SPAN FROM - TO	SAG (m)		CONDUCTOR LENGTH (m)		LCC	REMARKS
												15°	30°	NEW	REC		
ADARE RD	1 - 6	11kV	2-7/3.00		2-7/3.00		1	36	EX	EX	EX	-	-		72		
	1 - 2	11kV	2-7/3.00		2-7/3.00		1	67	EX	EX	EX	-	-		134		
	2 - 5	11kV	2-6/1/3.00		2-6/1/3.00		3	424	EX	EX	EX	-	-		848		

CONSTRUCTION ISSUE

R	DESCRIPTION	DATE
A	ISSUED FOR ENERGEX & COUNCIL ACCEPTANCE ONLY - NOT FOR CONSTRUCTION.	18/02/2025
B	ISSUED FOR ENERGEX & COUNCIL ACCEPTANCE ONLY - NOT FOR CONSTRUCTION.	25/02/2025
C	ISSUED FOR CONSTRUCTION	6/06/2025

PE CONSULTING ENGINEERS
STREET ADDRESS U14, 39 Lawrence Dr, Nerang QLD 4211
POSTAL ADDRESS PO Box 2833, Nerang DC QLD 4211
TELEPHONE (07) 5596 1425
E-MAIL mail@pece.com.au
WEB pece.com.au

NORTH

24-0198A-EGX-01

SITE CONTACT DETAILS		COUNCIL STANDARD ALIGNMENTS		WORKS COORDINATOR	PECE
NAME		Energex OH	**3.05m RP**	PARENT PROJECT NO.	
TBC		Energex UG	**0-1.2m RP**	WORK REQUEST NO.	
COMPANY		NBN	**REFER NBN**	LOTS	**N/A - RECOVERY ONLY**
-		GAS	**REFER GAS**		
PHONE	-	HP GAS	**REFER GAS**	CANCELLING LOTS	**N/A - RECOVERY ONLY**
MOBILE	-	WATER	**REFER CIVIL**		
FAX	-	STORMWATER	**REFER CIVIL**	LOCAL AUTHORITY	**LOCKYER VALLEY REGIONAL COUNCIL**
		SEWERAGE	**REFER CIVIL**	UBD REF	
		OTHER	**REFER CIVIL**	PEGGED?	

APPROVED	**KRIS BOVEINIS**
CHECKED	**AARON PRUSS**
DESIGNER	**AARON PRUSS**
PHONE	**(07) 5596 1425**
PLANNER	**AARON PRUSS**
PHONE	**(07) 5596 1425**
ISSUE DATE	**06 JUNE 2025**

PECE

RECOVER 11kV OVERHEAD CONDUCTORS & POLES

EARLY WORKS
PARK LAKE ESTATE
ADARE RD, ADARE

WORKSPLAN VERSION 5.5
SCALE: **1:500@A1**
PROJECT / SUB PROJECT NO.
S1302417
Sheet **1 of 1**
ISSUE NO: **C**