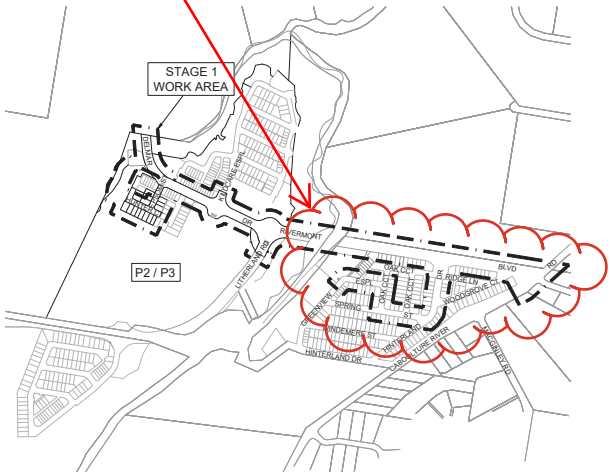
Works outside of the PDA area are NOT approved.

RIVERMONT P2/P3 - STAGE 1

UPPER CABOOLTURE

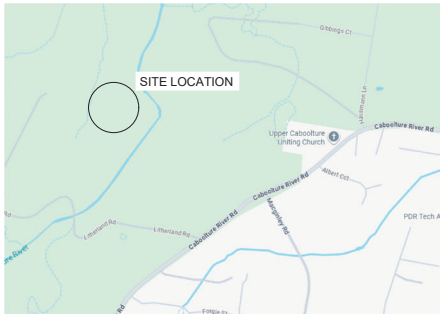
Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 12.05.2026
Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements
Note: civil design components are not certified; electrical reticulation (by Energex) is not certified

I agree to the terms defined by the placement of my signature in this document
2026-05-13
08:17+10:00



KEY MAP
N.T.S.

	DRAWING INDEX
1	OVERALL PLAN
2	WORKS PLAN
3	WORKS PLAN
4	WORKS PLAN
5	WORKS PLAN
6	PMT SITE DETAILS
7	RMU SITE DETAILS
8	CONCRETE PIT DETAILS
9	ENERGEX STANDARD DRAWINGS - PITS
10	ENERGEX STANDARD DRAWINGS - PITS
11	EQUIPMENT SCHEDULE
12	CIVIL SCHEDULE
13	SCHEDULES
14	SCHEDULES & MATERIAL LISTS
15	EXISTING 11kV SCHEMATIC
16	PROPOSED 11kV SCHEMATIC
17	EXISTING & PROPOSED LV SCHEMATIC
18	PROPOSED SL SCHEMATICS
19	STREETLIGHTING LAYOUT
20	STREETLIGHTING LAYOUT
21	STREETLIGHTING CERTIFICATION



LOCALITY PLAN
N.T.S.

UNDERGROUND SERVICES IDENTIFICATION

WORK CREWS WHO WILL BE EXCAVATING AT THIS SITE ARE ADVISED TO CONTACT THE "DIAL BEFORE YOU DIG" SERVICE TO DETERMINE THE EXTENT OF EXISTING UNDERGROUND SERVICES AND THE REQUIREMENTS OF THE APPROPRIATE SERVICE PROVIDERS. IT IS THE RESPONSIBILITY OF THE WORKS CREWS TO HAVE ALL EXISTING SERVICES AFFECTED BY THESE WORKS LOCATED ON SITE TO AVOID ANY DAMAGE DURING EXCAVATION WORKS. WHERE SERVICES HAVE BEEN SHOWN ON THE PLAN, THESE LOCATIONS ARE INDICATIVE ONLY AND NO WARRANTY IS IMPLIED AS TO THEIR ACCURACY.

DIAL 1100 BEFORE YOU DIG

DIAL BEFORE YOU DIG SERVICE
PHONE - 1100
WEB - www.1100.com.au
YOUR REQUEST SHOULD BE FORWARDED 5 WORKING DAYS BEFORE PLANNED EXCAVATION DATE.

LOCATION OF UTILITIES

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL UNDERGROUND SERVICES PRIOR TO COMMENCING WORK AT THE SITE, AND IS RESPONSIBLE FOR THE REPAIR OF DAMAGE TO UNDERGROUND OR OVERHEAD UTILITY ASSETS, ARISING FROM THESE WORKS. CONTACT DIAL BEFORE YOU DIG.

PROPOSED COMMISSIONING PLAN

TENTATIVE ONLY - SUBJECT TO AMENDMENT BY ENERGEX OUTAGE CO-ORDINATOR

LV ONLY x 1
SIMPLE HV & LV x 1
HV & LV x 1

11KV
- OPEN X21905 & X13678 - CABOOLTURE RIVER RD
- OPEN X24081 - MACGINLEY RD
- CHECK OPEN SC12725778 IS15 - GREENVIEW ESPL
- PERFORM 11kV WORKS AS REQUIRED
- OPEN X12746825 IS18 & IS19 - RIVERMONT BLVD
- CLOSE X12746825 IS16 & IS17 - RIVERMONT BLVD
- CLOSE SC12746841 IS20 & IS22 - DELMAR DR
- CLOSE SC12725778 IS15 - GREENVIEW ESPL
- CLOSE X24081 - MACGINLEY RD
- CLOSE X21905 & X13678 - CABOOLTURE RIVER RD
- COMMISSION X12746825 & SC12746841.

LV
- CHECK OPEN LP12743766 - RIVERMONT BLVD
- CHECK OPEN LP12724711 - RIVERMONT BLVD
- OPEN LV LINKS AT SP8183 - CABOOLTURE RIVER RD
- PERFORM LV WORKS AS REQUIRED
- CLOSE LV LINKS AT SP8183 - CABOOLTURE RIVER RD
- OPEN SC12746841 FS4 - DELMAR DR
- CLOSE SC12746841 FS1, FS2 & FS3 - DELMAR DR

CIVIL CONTRACTOR NOTE

CIVIL CONTRACTOR TO ENSURE ALL CONDUITS ARE INSTALLED PRIOR TO CONSTRUCTION OF FOOTPATHS, DRIVEWAYS AND RETAINING WALLS (WHERE REQUIRED).

AS CONSTRUCTED CABLE CERTIFICATION

ALL CABLES DETAILED FOR INSTALLATION ON THIS DRAWING HAVE BEEN CHECKED USING THE CABLE LOCATOR DESCRIBED BELOW AND ARE ACCORDING TO MEASUREMENTS TAKEN ON THE CORRECT ALIGNMENT AND AT THE CORRECT DEPTHS BELOW THE FINISHED SURFACE LEVEL. ALIGNMENTS ARE SUBJECT TO THE ACCURACY OF THE SURVEY PEGS INSTALLED AT TIME OF LOCATION.

CABLE LOCATIONS CARRIED OUT BY: _____
CHECKER PHONE NUMBER: _____
LOCATION DATE: _____
LOCATOR MODEL: _____
LOCATOR SERIAL NO: _____
CALIBRATION DATE: _____
CHECKER SIGNATURE: _____

STREETLIGHTING CERTIFICATION

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022 FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY.
THE LIGHTING DESIGN IS BASED UPON THE FOLLOWING RECOMMENDED MAINTENANCE SCHEDULE:

- CLEANING & INSPECTION OF LUMINAIRE AT 48 MONTH INTERVALS INCLUDING P.E. CELL
- VEGETATION TO BE KEPT CLEAR OF LUMINAIRES
- INSPECTION PATROLS & SPOT LAMP REPLACEMENT TO MAINTAIN SERVICE AVAILABILITY AT MIN. 95%
- LUMINAIRES AND LAMPS TO BE REPLACED WITH EXACT EQUIVALENTS. WHERE THIS CANNOT OCCUR AN EQUIVALENT ALTERNATIVE SHOULD BE CHOSEN BY RESPECTIVE AUTHORITY

RIVERMONT BLVD & LITHERLAND RD:	CATEGORY V5
DELMAR DR & KILDCARE ESPL:	CATEGORY PR3
HUNTER CT & EPSOM ST:	CATEGORY PR5

Justin Read
RPEQ SIGNATURE

LEGEND

LINES

- Boundary of Works
- Electrical Overhead - Exist
- Electrical Overhead - New
- Electrical Overhead - Recover / Future
- Electrical Underground - Exist
- Electrical Underground - New
- Electrical Underground - Recover / Future
- Consumers Overhead - New
- Consumers Underground - New
- RP Boundary
- Easement Boundary
- Kerbline
- Railway
- Retaining Wall
- Sewer Main
- Sewer Rising Main
- Water Main
- Stormwater
- Rainwater
- Open Drain / Swale
- Gas
- Telecommunications
- Fence
- Zero-lot Boundary

SYMBOLS

- Electrical Pillar
- Link Pillar
- Commercial / Industrial Pillar
- Electrical Pit
- Underground Joint
- Pole - LV Only
- Pole - HV Only
- Pole - HV & LV
- Pole - HV, Future LV
- Pole - LV, Future HV
- Pole Transformer
- Pole Termination - LV Only
- Pole Termination - HV Only
- Pole Termination - HV & LV
- Earth Electrode
- Pole Stay - Ground / Sidewalk
- Pole Stay - Aerial
- Padmount Transformer
- Ring Main Unit
- Conduit - 50mm
- Conduit - 100mm
- Conduit - 125mm
- Conduit - Energex Communications
- Street Light - LED
- Street Light - High Pressure Sodium 70W
- Street Light - High Pressure Sodium 100W
- Street Light - High Pressure Sodium 150W
- Street Light - High Pressure Sodium 250W
- Street Light - High Pressure Sodium 400W
- Street Light - Mercury Vapour 50W
- Street Light - Mercury Vapour 80W
- Street Light with Aeroscreen
- LV Disconnection Links - Open
- LV Disconnection Links - Closed
- HV Switch - Open
- HV Switch - Closed
- Drop Out Fuses - Open
- Drop Out Fuses - Closed
- Station Number
- Remove
- Phasing
- Driveway

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-492
Date: 7/07/2026
Queensland Government

Fire Ant Biosecurity Caution For Info Call 13 25 23

REFERENCED DRAWINGS

FILE NAME	COMPANY	DATE RECEIVED
x16-151_base 251128 ISSUE.dwg		01/12/2025
C10930D-BR1-1-A	CV SERVICES	27/05/2025

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	30/10/2025	PRELIMINARY. FOR APPROVAL			
PR2	12/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
		ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	30/10/2025

ELECTRICAL RETICULATION & STREET LIGHTING
RIVERMONT P2/P3 - STAGE 1
CABOOLTURE RIVER RD, UPPER CABOOLTURE
OVERALL PLAN

SCALE : N/A @ A1
C10937-S1D-1
S4901064 A
Sheet 1 of 21

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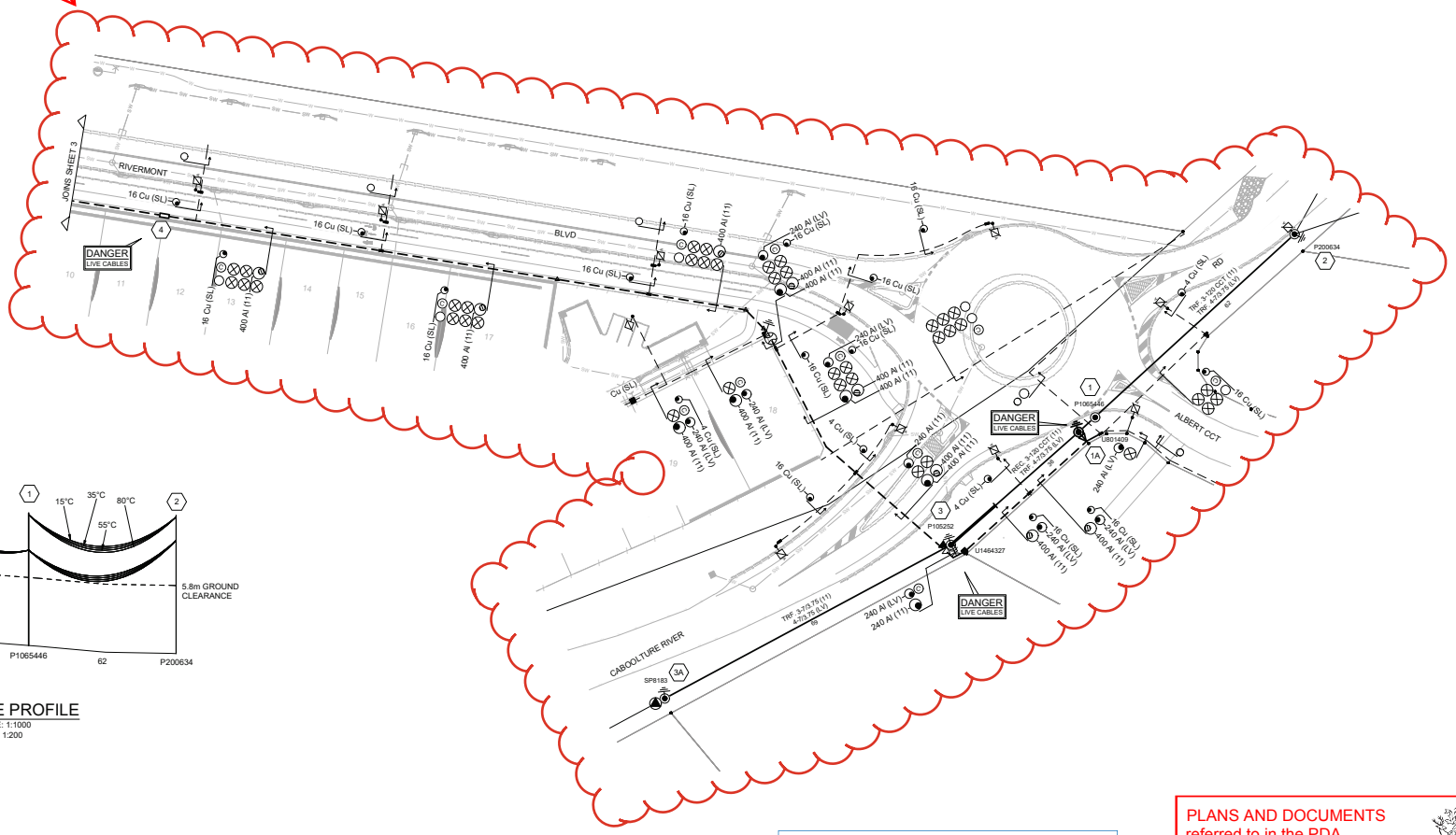

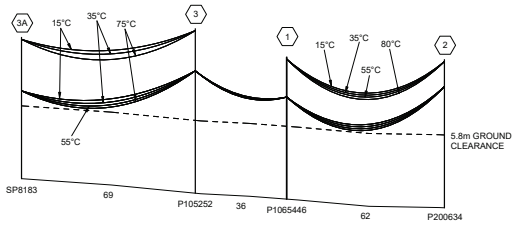

PROPOSED LINE PROFILE

HORIZONTAL SCALE: 1:1000
VERTICAL SCALE: 1:200

NORTH

-20 -10 0 10 20 30 40m

SCALE 1:500 (AT A1 SIZE)

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: John Read Date: 12.05.2026
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CV SERVICES GROUP
delivering the edge

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PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
CHECKED:	L. WEST	
PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
PHONE:	0417 612 168	
ISSUE DATE:	30/10/2025	

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

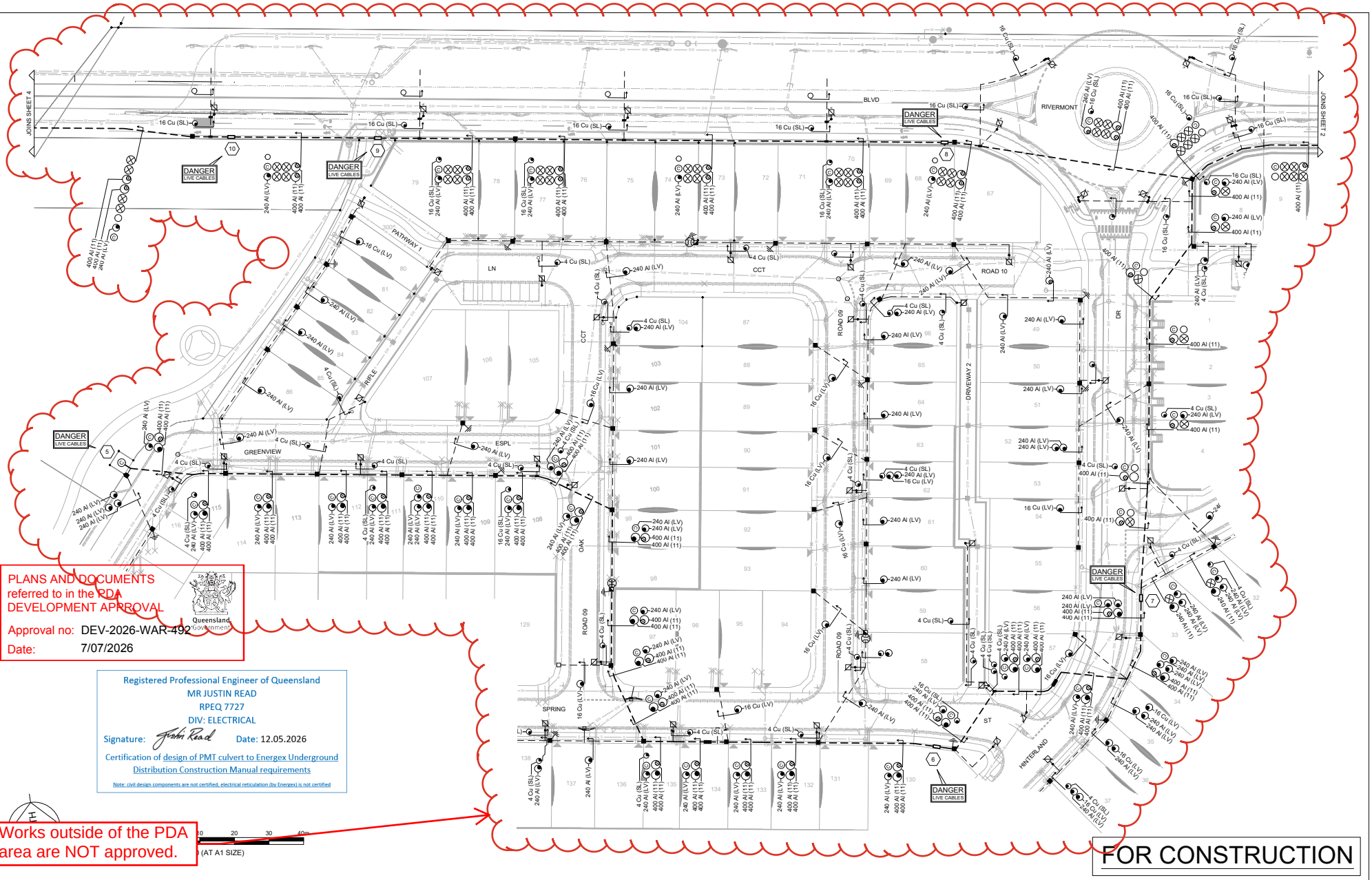
WORKS PLAN

SCALE : 1:500 @ A1

C10937-S1D-1

S4901064 A

Sheet 2 of 21



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0 10 20 30 40m
(AT A1 SIZE)

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EMAIL	-	SEWERAGE	DBYD		
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ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

WORKS PLAN

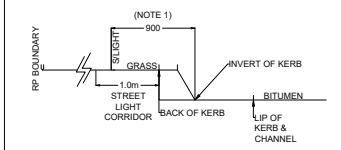
SCALE : 1:500 @ A1

C10937-S1D-1

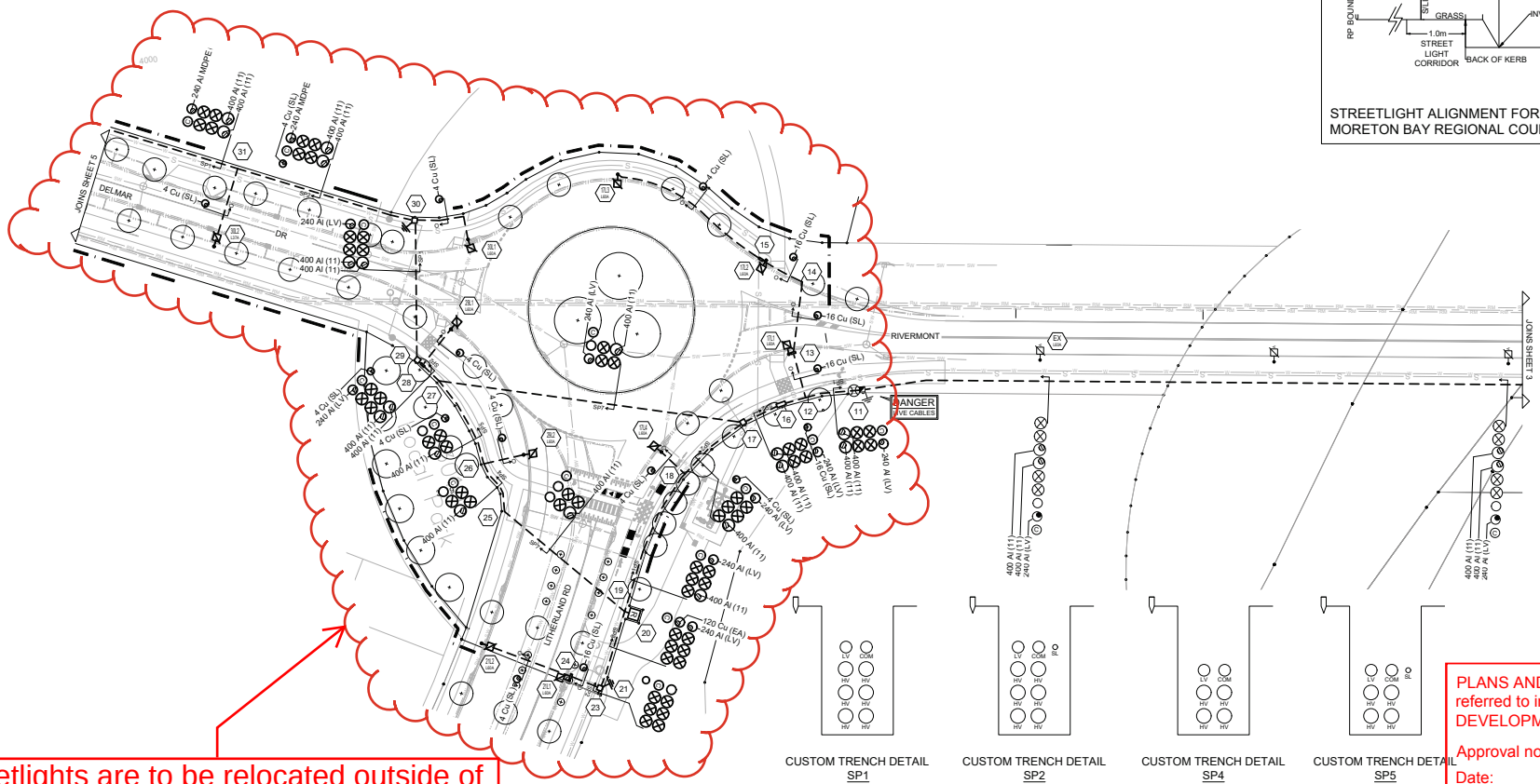
S4901064 A

Sheet 3 of 21

NOTE 1: THE POLE ALIGNMENT SHALL BE 0.9m FROM THE INVERT OF KERB WHICH WILL LIE WITHIN THE STREETLIGHT CORRIDOR (0 - 1.0m BEHIND THE BACK OF KERB)

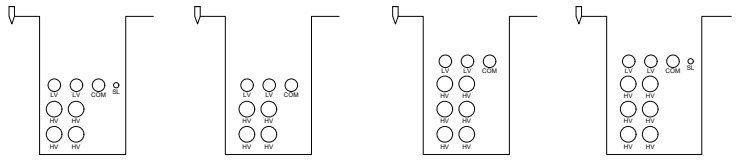


STREETLIGHT ALIGNMENT FOR
MORETON BAY REGIONAL COUNCIL



Streetlights are to be relocated outside of conflicting Gully Pits and Kerb Ramps. Street trees that are located within 7m of a Streetlight Pole must be relocated.

CUSTOM TRENCH DETAIL SP1 N.T.S.
CUSTOM TRENCH DETAIL SP2 N.T.S.
CUSTOM TRENCH DETAIL SP4 N.T.S.
CUSTOM TRENCH DETAIL SP5 N.T.S.



CUSTOM TRENCH DETAIL SP6 N.T.S.
CUSTOM TRENCH DETAIL SP7 N.T.S.
CUSTOM TRENCH DETAIL SP8 N.T.S.
CUSTOM TRENCH DETAIL SP9 N.T.S.

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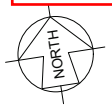

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CV SERVICES GROUP
delivering the edge

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FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
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ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

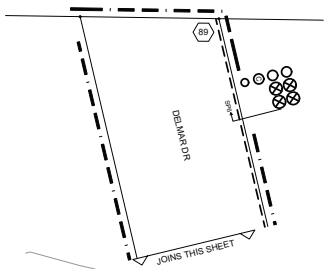
WORKS PLAN

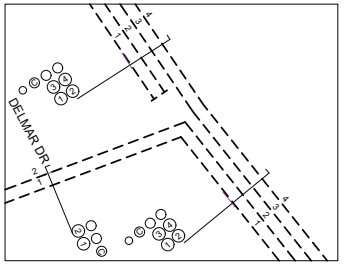
SCALE : 1:500 @ A1

C10937-S1D-1

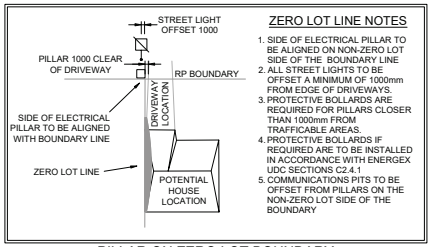
S4901064 A

Sheet 4 of 21





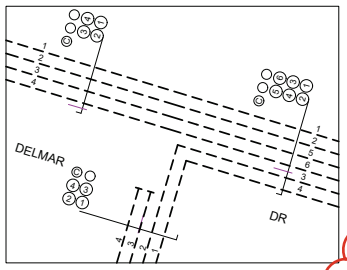
11kV CONDUIT CONFIGURATION -B-
N.T.S.



ZERO LOT LINE NOTES

1. SIDE OF ELECTRICAL PILLAR TO BE ALIGNED ON NON-ZERO LOT SIDE OF THE BOUNDARY LINE
2. ALL STREET LIGHTS TO BE OFFSET A MINIMUM OF 1000mm FROM EDGE OF DRIVEWAYS.
3. PROTECTIVE BOLLARDS ARE REQUIRED FOR PILLARS CLOSER THAN 1000mm FROM TRAFFICABLE AREAS.
4. PROTECTIVE BOLLARDS IF REQUIRED ARE TO BE INSTALLED IN ACCORDANCE WITH ENERGEX UDC SECTIONS C2.4.1
5. COMMUNICATIONS PITS TO BE OFFSET FROM PILLARS ON THE NON-ZERO LOT SIDE OF THE BOUNDARY

PILLAR ON ZERO LOT BOUNDARY
NOT TO SCALE



11kV CONDUIT CONFIGURATION -A-
N.T.S.

CONDUIT INSTALLATION NOTE

RP SIDE LV CONDUITS AT STATIONS 39-41, & 52-55 TO BE TURNED UP FOR FUTURE PILLAR INSTALLATION

Street trees located within 7m of a Streetlight pole must be relocated outside. Streetlights to be relocated outside of conflicting pathways. -CMB

NORTH

-20 -10 0 10 20 30 40m
SCALE 1:500 (AT A1 SIZE)

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ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

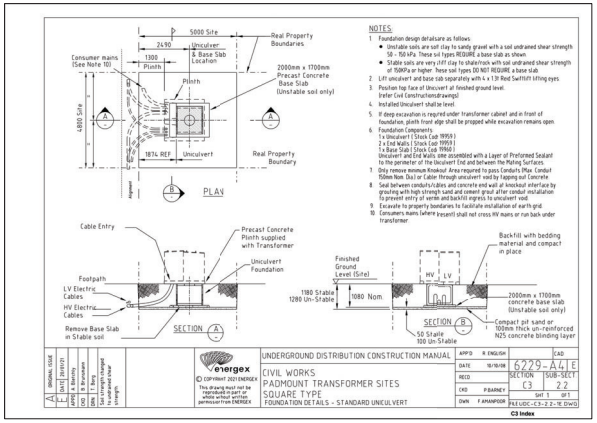
WORKS PLAN

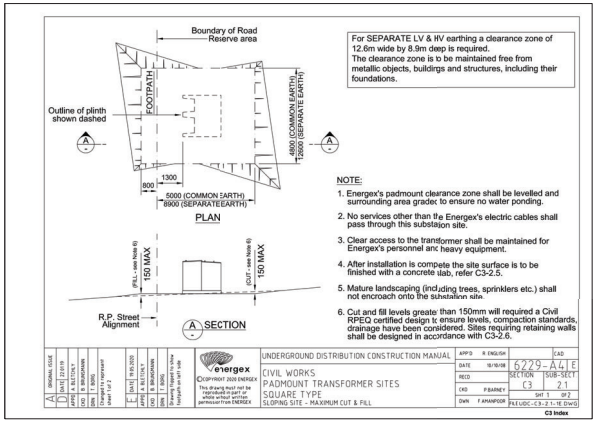
SCALE : 1:500 @ A1

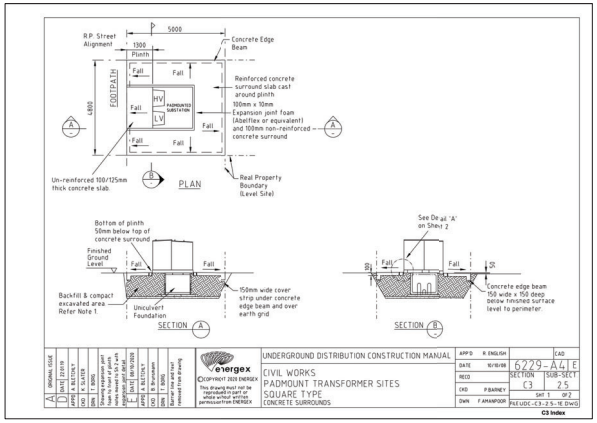
C10937-S1D-1

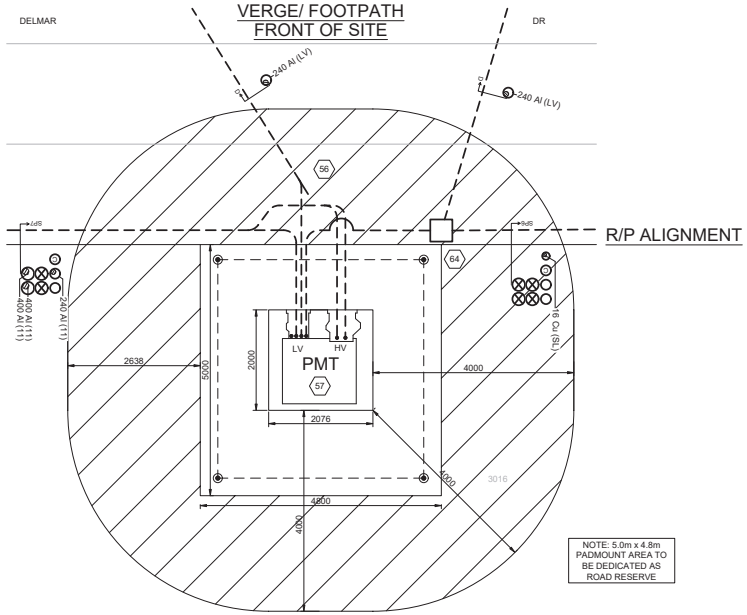
S4901064 A

Sheet 5 of 21







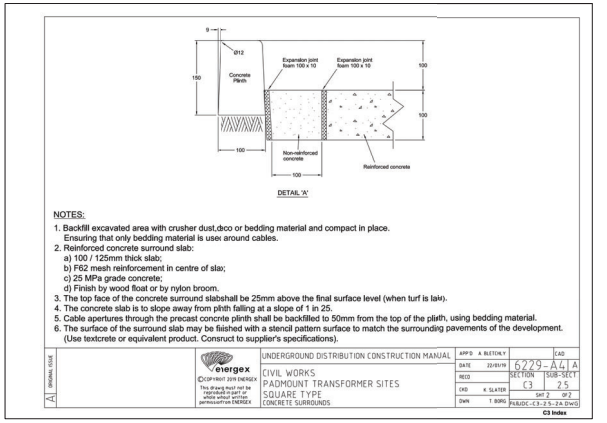


PROPOSED PADMOUNT TRANSFORMER SITE DETAIL

DWELLING EXCLUSION ZONE

PADMOUNT TRANSFORMER SITE NOTES.

- PADMOUNT SITES ARE TO BE CONSTRUCTED TO ENERGEX REQUIREMENTS AS SET OUT IN ENERGEX STANDARD DRAWINGS - UDCM C3 - PADMOUNT TRANSFORMER SITE
- RETAINING WALLS SHALL BE INSTALLED WHERE A CHANGE IN GROUND LEVEL OF 300mm OR MORE OCCURS WITHIN 2000mm OF THE SUBSTATION CLEARANCE ZONE. FENCES SHALL BE INSTALLED FOR:
  - RESIDENTIAL AREAS (TYPICALLY 1200mm HIGH)
  - SLOPING SITES (EITHER FRONT TO BACK OR LEFT-RIGHT).
- FENCES AND RETAINING WALLS SHALL BE CONSTRUCTED TO ENERGEX STANDARDS TO SATISFY MINIMUM CLEARANCE ZONES OF COMMON EARTH CONFIGURATIONS. REFER TO SECTION C3-1 FOR RETAINING WALL CONSTRUCTION NOTES. ALTERNATIVE DESIGNS TO THOSE PROVIDED IN THIS MANUAL WILL REQUIRE A CIVIL ENGINEER'S CERTIFICATION.
- SAFETY FENCES SHALL COMPLY WITH THE REQUIREMENTS OF THE WORKPLACE HEALTH AND SAFETY ACT, AS1657 AND AS1926 AND ALL AMENDMENTS.
- METAL RETAINING WALL FENCES SHALL BE USED IN CMEN AREAS. (REFER UDCM C3.1 SHEET 6)
- ALL RETAINING WALLS AND SAFETY FENCING ON PRIVATE PROPERTY SHALL BE MAINTAINED BY THE OWNER AT NO COST TO ENERGEX.
- ALL FENCING MATERIALS SHALL BE GALVANISED OR FINISHED IN AN EQUALLY DURABLE MANNER.
- ALL CHAINWIRE AND SUPPORT WIRES SHALL BE PVC COATED AND COLOURED BLACK OR GREEN.
- ALL ELEVATED AREAS SHALL BE PROVIDED WITH TOE BOARDS AND INFILL TYPE FENCING.
- BUILDING EXCLUSION ZONE - MAINTAIN 4m MINIMUM FROM EDGE OF PERMISSIBLE RESIDENTIAL DWELLING CONSTRUCTION AREA (BUILDING ENVELOPE) TO EDGE OF PADMOUNT SUBSTATION ENCLOSURE - AS PER UDCM C3.1 REQUIREMENTS
- SITE ACCESS TO PADMOUNT SITE - 4m WIDE x 5.0m HIGH, TO SUIT FRANNA T25 CRANE OR FLATBED TRUCK. ACCESS TRACK TO SUPPORT CRANE WITH AXLE LOADS UP TO 10 TONNE.



NORTH

-2 -1 0 1 2 3 4m

SCALE 1:50 (AT A1 SIZE)

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FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
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ISSUE DATE:	30/10/2025

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

PMT SITE DETAILS

SCALE : 1:50 @ A1

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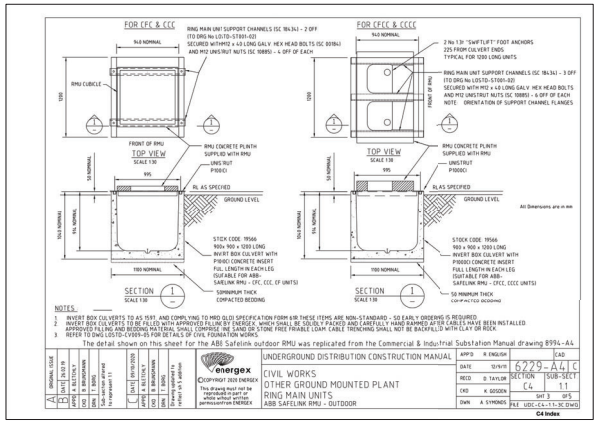
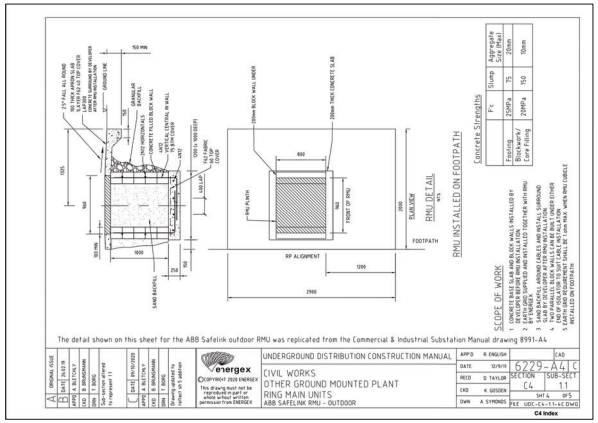
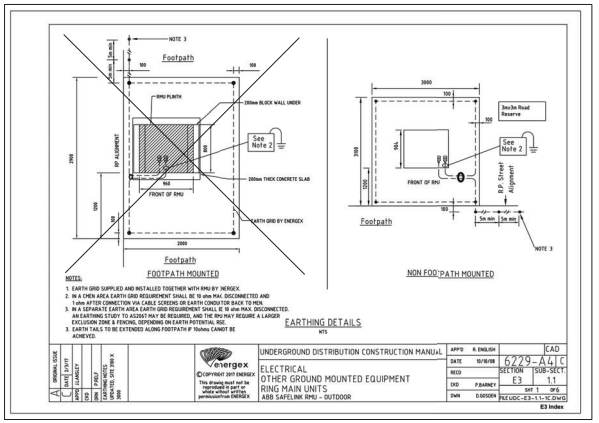
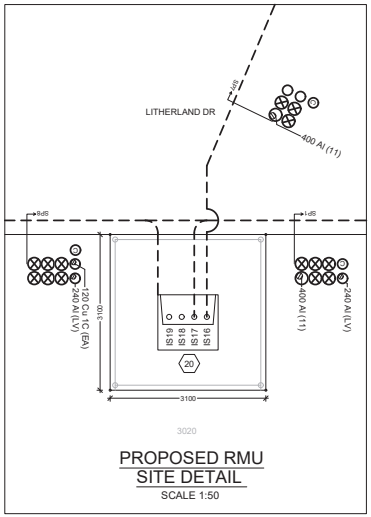
Sheet 6 of 21

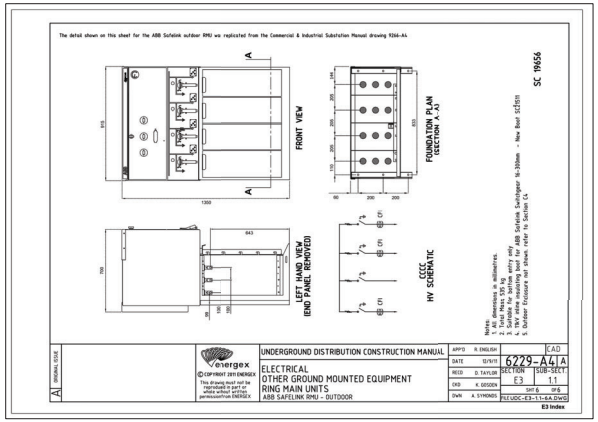








NOTE: 3.1m x 3.1m PADMOUNT AREA TO BE DEDICATED AS ROAD RESERVE



NORTH

-2 -1 0 1 2 3 4m

SCALE 1:50 (AT A1 SIZE)

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ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

RMU SITE DETAILS

SCALE : 1:50 @ A1

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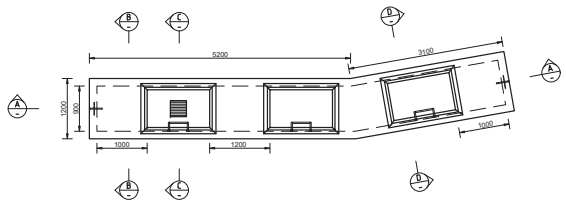
Sheet 7 of 21



PLAN VIEW
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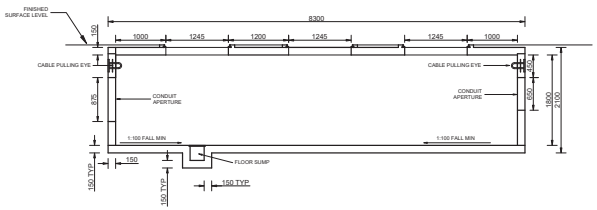

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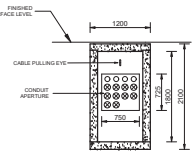

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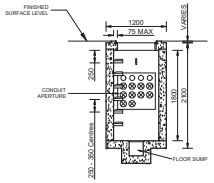

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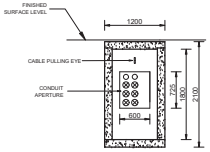

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-2 -1 0 1 2 3 4m
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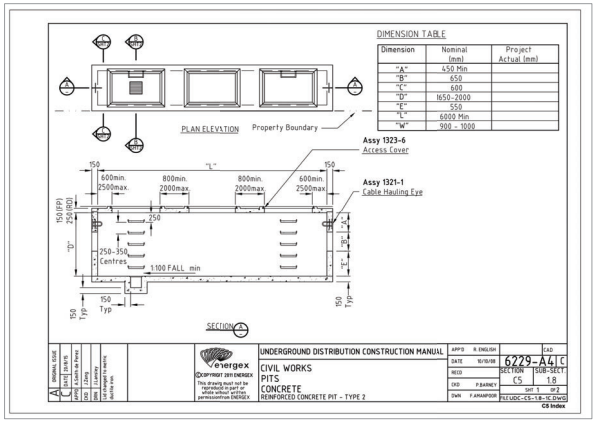

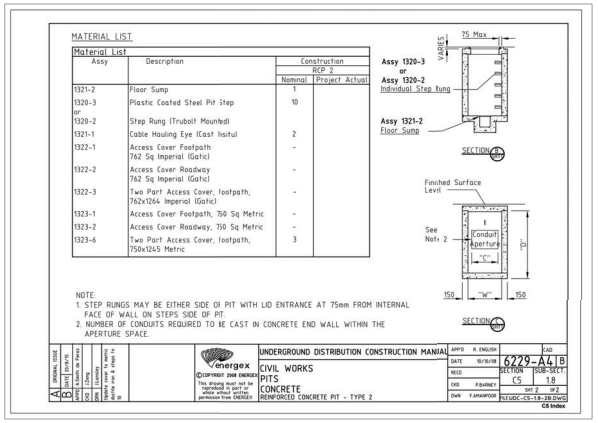

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GENERAL NOTES:

1. The location and orientation of pits shall be as shown on engineering layout drawings or as directed on site.
2. The service provider shall be responsible for the correct setting out of works.
3. All excavation work and excavation protection shall comply with regulations of the Workplace Health & Safety Act including current amendments.
4. The service provider shall comply with ads of parliament, statutory, municipal and other regulations or by laws in any way affecting the working, in particular with regard to:
   a. The Workplace Health & Safety
   b. Protection of public utilities
   c. Traffic Hazards & Public Safety
   d. Environmental Protection
5. The Service Provider shall not carry out any activity that muses, or is likely to muse, environmental harm, unless the person takes all reasonable and practicable measures to prevent or minimise harm.
6. The service provider shall be responsible for any damage to public utility service installations.
7. The position of services, if shown on a layout drawing is based on information supplied by the service authorities and ENERGEX does not warrant the accuracy of such information.
8. The service provider shall establish the actual position of all services, whether shown on the drawing or not, before commencing work on site. (Consult 'Call Before You Dig Service')
9. If any services are encountered in the proposed pit location, the service provider shall immediately notify Energex for advice.
10. Should any service be damaged during the course of works the service provider shall immediately notify the service authority concerned.
11. The service provider shall bear all costs associated with any service damaged and environmental harm caused during construction works.

DE-WATERING

1. Refer the UDCM Section C2, Sub-section 1.

FORMWORK

1. Formwork shall be constructed in accordance with AS3610 including current amendments.
2. Formwork for walls may be removed as soon as concrete has hardened sufficiently to resist impact forces from removal operations but not less than 24 hours after pouring.
3. Soffits of roof slabs shall be stripped not less than 7 days after pouring.

CONCRETE

1. Concrete shall be Grade 32 (for non-aggressive soil and aggressive soil In dry conditions). Max. aggregate 20mm, slump 75mm.
2. For Grade of concrete in aggressive soil in extremely wet soil conditions please consult Energex Principal Civil Engineer.
3. All concrete work shall be in accordance with AS3600.
4. Pit floor slab, walls, roof slab shall each be single pours, compacted by means of mechanical vibration.

REINFORCEMENT

1. Floors and top of roof shall have wood-flout finish.
2. Walls - smooth off form finish.
3. All external angle corners in pits shall be radiused smooth.
4. Any projections, dugs, etc. evident after formwork is stripped shall be removed.
5. Any honeycombing shall be reported to Energex before attempting any remedial measures. The service provider shall curry out remedial measures us instructed by Energex. Un-repairable defective concrete may have to be removed and replaced.

STABILISED SAND

Stabilised sand shall comprise of 1 part cement to 18 parts clean sharp pit sand. Thoroughly mixed mechanically and placed without excessive water, using emersion vibrators.

CONDUIT APERTURES

1. Aperture sizes and positions shown are nominal, actual size and position shall be determined from the engineering layout drawings.
2. When conduits are installed through walls during pit construction, the conduit aperture shall be grouted to prevent the ingress of soil. All conduit entries into the pit will be via bell mouth entry so any cable does not rub on a sharp edge.
3. When pit is constructed prior to conduit installation, apertures shall be sealed by placing form-ply sheeting or similar on outside face of pit wall to cover aperture and held in position with sand bags.

COMPLETION & REINSTATEMENT

1. At completion of pit, inside of pit shall have any debris removed, if necessary pumped dry and shall be left in a clean and tidy condition.
2. Footpath around and over pit excavation area shall be reinstated in accordance with the local government authority requirements.
3. The service provider shall give ENERGEX a minimum of 48 hours notice prior to completion of work to arrange for construction audits.

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RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

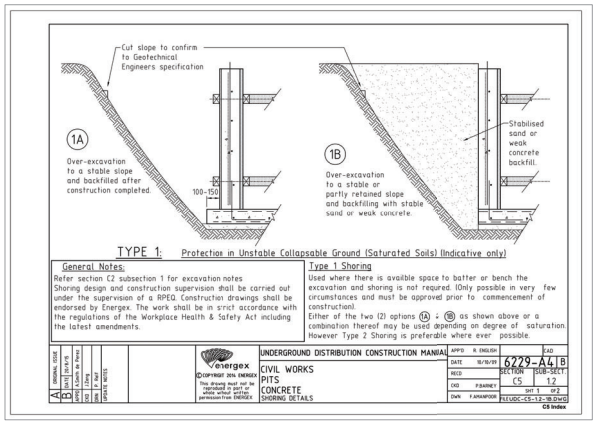
CONCRETE PIT DETAILS

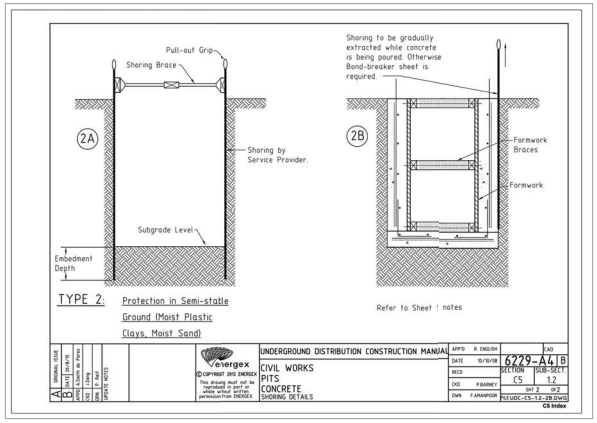
SCALE : 1:50 @ A1

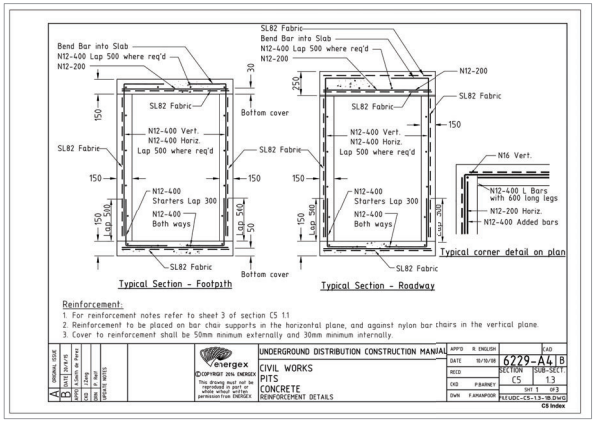
C10937-S1D-1

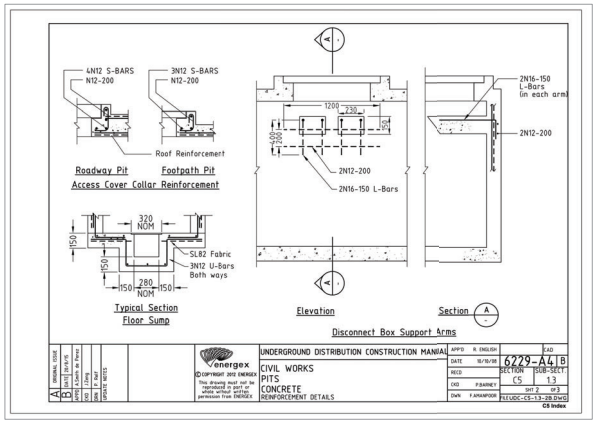
S4901064 A

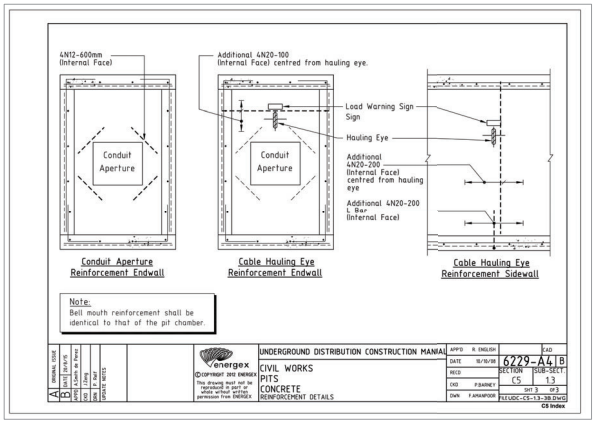
Sheet 8 of 21

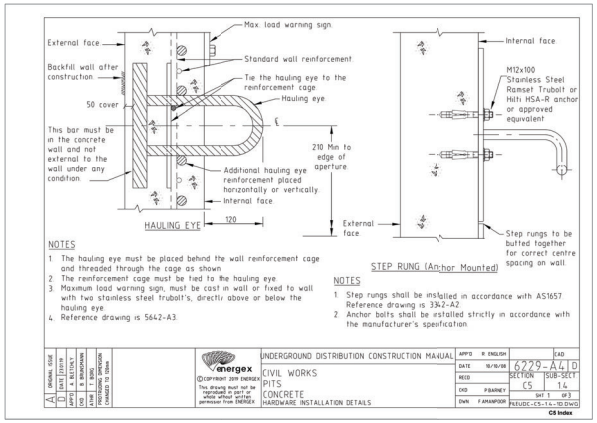












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ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

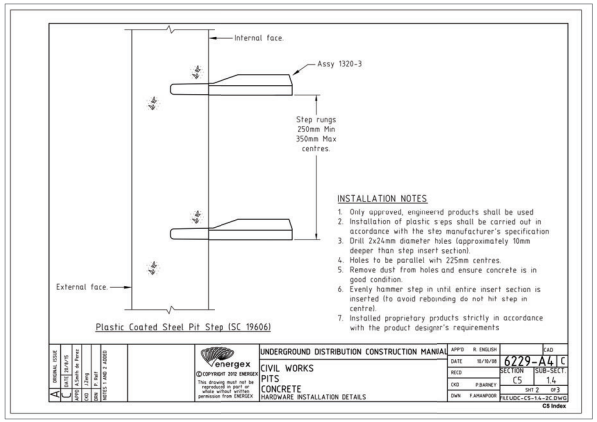
ENERGEX STANDARD DRAWINGS - PITS

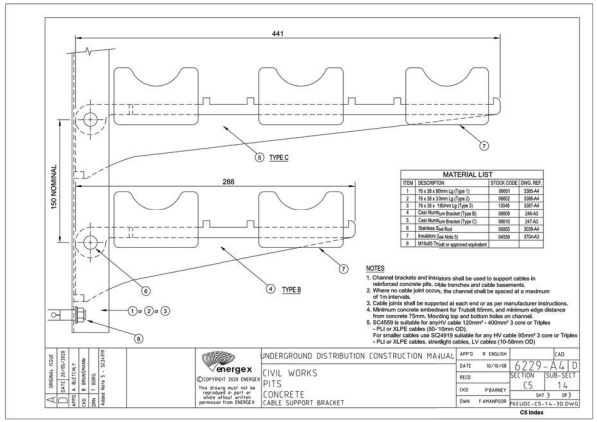
SCALE : N/A @ A1

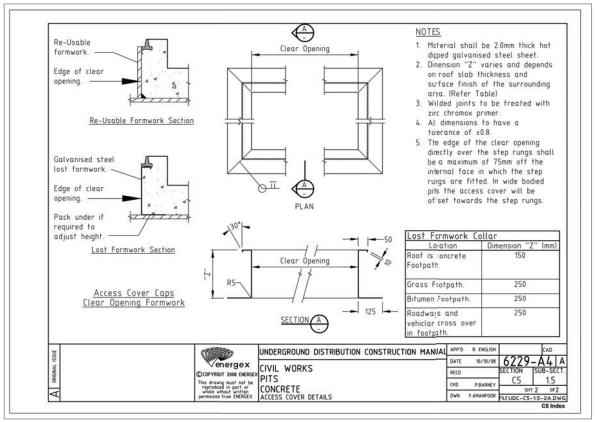
C10937-S1D-1

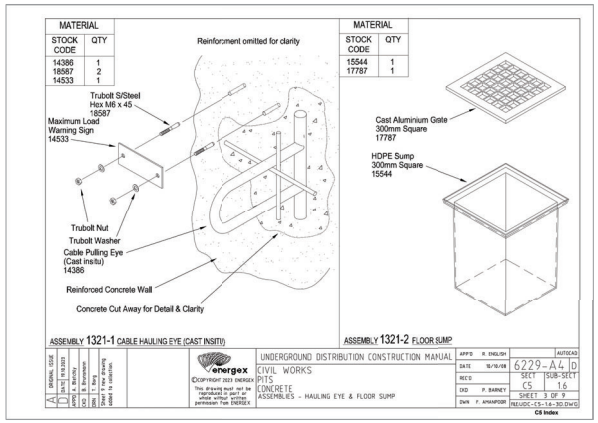
S4901064 A

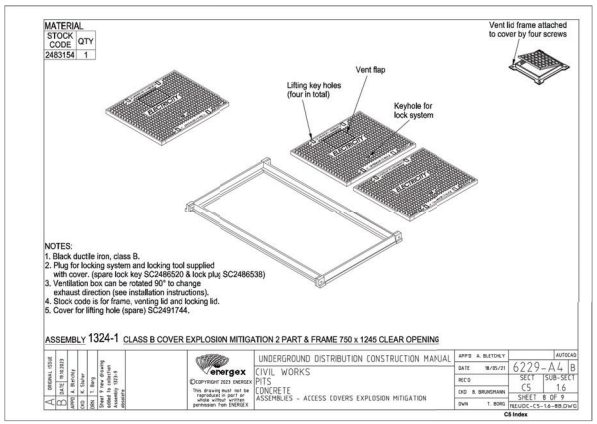
Sheet 9 of 21

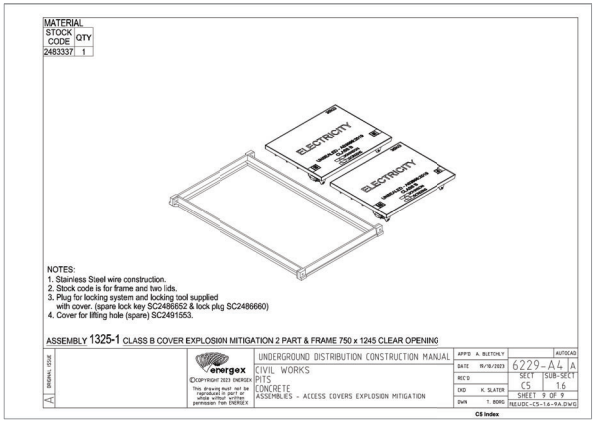












PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Date: 12.05.2026
Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements
Note: civil design components are not certified, electrical reticulation (by Energex) is not certified

FOR CONSTRUCTION

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PR2	12/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
		ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	30/10/2025

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

ENERGEX STANDARD DRAWINGS - PITS

SCALE : N/A @ A1

C10937-S1D-1

S4901064 A

EQUIPMENT SCHEDULE

LOCATION	STN No.	ENERGEX SITE I.D	EX	REC	INSTALL	MODEL DESCRIPTION	IIN	COMP I.D	PLANT No.	MODEL I.D	QTY	LCC	REMARKS
VARIOUS LOCATIONS						32A HRC FUSE LINK CARTRIDGE FOR SL				ASSY801-1	21		
RIVERMONT BOULEVARD	4	U 12746816			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
GREENVIEW ESPLANADE	5	SC 12725778	X			ABB SAFELINK2 RMU (CFC) 500KVA					1		
					X	11KV CFC S/G TERM 400 AL TRIPLEX				1CFC40XLG	1		
SPRING STREET	6	U 12746817			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
HINTERLAND DRIVE	7	U 12746818			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
RIVERMONT BOULEVARD	8	U 12746819			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
	9	U 12746820			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
	10	U 12746821			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
	11	LP 12743766	X			LV LINK PILLAR 2 WAY 240-240 AL					1		
			X			EARTH MEN TO LV					1		
					X	CFS UNIT NEUTRAL CONNECTION 240 SQMM				1035-3	1		
					X	CFS UNIT PHASE CONNECTION 240 SQMM				1036-3	3		
	13	U 12746822			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	15	U 12746823			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	16	U 12746824			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
	17	U 12746826			X	ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A				LVSP9-6	1		
LITHERLAND ROAD	20	X 12746825			X	SAFELINK 2 CCCC OD 4 WAY SWITCH UNIT				SC0034142	1		
					X	11KV CFC S/G TERM 400 AL TRIPLEX				1CFC40XLG	2		
					X	INSULATION SLEEVING HV BOOT				SC0021511	2		
					X	EARTH GRID SHORT (4 EARTHS RMU OR TFMRS)				DSGT4EGS	1		
					X	MATERIALS FOR RMU EARTH TAILS				DSRMEGT	1		
					X	TERMINAL LUG,CRIMP M12;120SQMM,37/2.03MM				SC0006265	1		
					X	RMU SUPPORT CHANNEL OVER BOX CULVERT				SC0018434	3		
					X	CULVERT BOX UNIT				SC0019566	1		
					X	CONCRETE,PRECAST FOUNDATION;1700MMLG				SC0019960	1		
	21	U 12746827			X	ELECT PILLAR (4C) 1WAY 240,6 X 100AMP				LVSP2-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
					X	TERMINAL LUG,CRIMP M12;120SQMM,37/2.03MM				SC0006265	1		
	24	U 12746829			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
DELMAR DRIVE	28	U 12746830			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	29	U 12746831			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	30	U 12746832			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	32	U 12746833			X	8M CONCRETE GATIC PIT							
					X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	2		
					X	CLASS B EXP MT 2 PART & FRAME 750X1245				1324-1	1		
					X	CLASS B EXP MT 2 PT &FRAME 750X1245 S/S				1325-1	2		
					X	CABLE HAULING EYE (CAST INSITU)				1321-1	2		
					X	FLOOR SUMP				1321-2	1		
					X	STEP RUNG - PLASTIC COATED STEEL				1320-3	18		
					X	STEEL CHANNEL FOR JOINT PIT (1800MM L)				SC0013048	3		
					X	SUPPORT BRACKET FOR UG PITS (LONG)				PITBKTL	3		
					X	SUPPORT BRACKET FOR UG PITS (SHORT)				PITBKTS	2		FOR FUTURE JOINTS
					X	100MM EMPTY CONDUIT PLUG 4PC				SC0022870	1		
					X	CABLE DUCT SEAL 125MM CONDUITS				CDS125	6		
					X	125MM EMPTY CONDUIT PLUG 5PC				SC0022871	3		
	34	U 12746834			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	36	U 12746835			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	43	U 12746836			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	44	U 12746837			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	49	U 12746838			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	50	U 12746839			X	ELECT PILLAR (4C) 1WAY 240,6 X 100AMP				LVSP2-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	51	U 12746840			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	57	SC 12746841			X	PMT 315KVA ABB SAFELINK2 RMU (CFC) JM LVB				S2475036	1		
					X	HV FUSE SAFELINK315KVA PMT TFMR AIR/TEMP				DSHVF3SLK	1		
					X	11KV CFC S/G TERM 400 AL TRIPLEX				1CFC40XLG	2		
					X	LV PMT TERM/CIRC 240SQMM 4C XLPE CABLE				LVPT4C240	3		
					X	LV FUSE LINK 315A FOR ABB LV BD				DSLVF31	3		
					X	SQ PADMOUNT COMMON EARTHING MODELS				DSSQPMCEG	1		
					X	CULVERT BOX				SC0019959	1		
					X	CONCRETE,PRECAST FOUNDATION;1700MMLG				SC0019960	1		
	58	U 12746842			X	ELECT PILLAR 4C 2WAY 240, 6X100A+SL				LVSP4-6SL	1		
	61	U 12746843			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	62	U 12746844			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	63	U 12746845			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	64	U 12746846			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		FUTURE 3-WAY
					X	PHASE BAR FOR 3 WAY URD SERVICE PILLAR				SC0006508	4		
	66	U 12746847			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	67	U 12746848			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		FUTURE 3-WAY
					X	PHASE BAR FOR 3 WAY URD SERVICE PILLAR				SC0006508	1		
EPSOM STREET	71	U 12746849			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	72	U 12746850			X	ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A				LVSP9-6	1		
	73	U 12746851			X	ELECT PILLAR (4C) 1WAY240,6X100A+SL				LVSP2-6SL	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	74	U 12746852			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP				LVSP12-6	1		
HUNTER COURT	75	U 12746853			X	ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A				LVSP9-6	1		
	76	U 12746854			X	ELECT PILLAR (4C) 1WAY240,6X100A+SL				LVSP2-6SL	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	80	U 12746855			X	ELECT PILLAR 4C 2WAY 240, 6X100A+SL				LVSP4-6SL	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	81	U 12746856			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	82	U 12746857			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	84	U 12746858			X	ELECT PILLAR (4C) 1WAY 240,6 X 100AMP				LVSP2-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
DELMAR DRIVE	86	U 12746859			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 12.05.2026

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CV SERVICES GROUP
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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
		ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
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		GAS	DBYD	CANCELLING LOTS:	TBA
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MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
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PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
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ISSUE DATE:	30/10/2025	

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1
CABOOLTURE RIVER RD, UPPER CABOOLTURE

EQUIPMENT SCHEDULE

SCALE : N/A @ A1

C10937-S1D-1

S4901064 A

Sheet 11 of 21

URD CIVIL WORKS SCHEDULE - FOOTPATHS

LOCATION	STATION FROM - TO	CONDUIT LENGTH								BENDS (°)								X-SECTION (m)		PVC STRIP	DRAW WIRE	KERB MARK	REMARKS
		50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	EXCAV / TAPE	TRENCH DETAIL				
FOOTPATHS - TRENCHING AND MATERIAL SUPPLIED BY ELECTRICAL CONTRACTOR																							
RIVERMONT BOULEVARD	1 - 1A			3	1	3	1	3	1									3	H	3	21		
	11 - 12			12	1	12	6	12	1									12	SP1		128		
	12 - 13	10	1															10	O	10	14		
	12 - 18	31	1	31	1	31	6	31	1									31	SP2		315		LV CONDUIT VIA STN 17.
	13 - 17L1	1	1															1	O	1	5		
	14 - 17L3	46	1															46	O	46	50		VIA STN 15.
	15 - 17L2	1	1															1	O	1	5		
	17L4 - 18	7	1															7	O	7	11		
LITHERLAND ROAD	18 - 19			33	1	33	6	33	1									33	SP1		296		
	19 - 21			17	2	17	6	17	1									17	SP8		185		
	21 - 23	1	1	1	1	1	6	1	1									1	SP2		45		
	21 - 21L1	7	1															7	O	7	11		VIA STN 24.
	25 - 26			12	1	12	4	12	1									12	SP4		96		
	26 - 27	21	1	21	1	21	4	21	1									21	SP5		175		
	26 - 29L2	9	1															9	O	9	13		
DELMAR DRIVE	27 - 29	7	1	7	1	7	6	7	1									7	SP2		99		SL CONDUIT VIA STN 28.
	28 - 29L1	10	1															10	O	10	14		
	30 - 30L1	16	1															16	O	5	20		
	30 - 31	40	1	40	1	40	6	40	1									40	SP2		396		
	31 - 32			53	1	53	6	53	1									53	SP1		456		
	32 - 33			16	1	16	4	16	1									16	SP4		120		
	34 - 35	9	1	9	1													9	P		26		
	34 - 38	10	1	10	2	10	6	10	1									10	SP9		140		
	35 - 34L2	6	1															6	O	6	10		VIA STN 36
	35 - 37			25	1													25	D	6	29		
	38 - 34L1	6	1															6	O	6	10		
	38 - 41			36	2	36	6	36	1									36	SP8		144		TURN UP LV SIDE CONDUIT AT STNS 39 & 40 FOR FUT. PILLARS
	41 - 55			60	2	60	4	60	1									60	SP7		208		TURN UP LV SIDE CONDUIT AT STNS 41, 52-55 FOR FUT. PILLARS
	42 - 43			2	2													2	E		10		
	42 - 44			34	1													34	D		38		
	44 - 44L1	9	1															9	O	9	13		
	44 - 45	22	1	22	1													22	P		52		
	44L2 - 45	11	1															11	O	11	15		
	45 - 46			7	1													7	D		11		
	47 - 48			7	1													7	D		11		
	48 - 50	21	1	21	1													21	P		50		SL CONDUIT VIA STN 49.
	48 - 50L1	9	1															9	O	9	13		
	49 - 50L2	10	1															10	O	10	14		VIA STN 51
	56 - 64			2	2	2	4	2	1									2	SP7		42		
	58 - 59			15	1													15	D		19		
	58 - 60	5	1	5	1													5	P		18		
	60 - 58L1	12	1															12	O	12	16		VIA STN 61
	60 - 62			31	1													31	D		35		
	62 - 62A	14	1	14	1													14	P		36		
	62A - 62L1	9	1															9	O	9	13		VIA STN 63
	62A - 43			15	1													15	D		19		
	64 - 89	156	1	156	2	156	4	156	1									156	SP6	38	1280		HARD COVER UNDER TEMP TURNAROUND
	65 - 66			8	1													8	D		12		
	66 - 66L	4	1															4	O	4	8		
	67 - 68			11	1													11	D		15		
	67 - 69			18	1													18	D		22		
EPSOM STREET	70 - 71	13	1	13	1													13	P		34		
	71 - 72			24	1													24	D		28		
	73 - 73L	15	1															15	O	4	19		
	73 - 74			20	1													20	D		24		
	74 - 74L	4	1															4	O	4	8		
HUNTER COURT	75 - 76			26	1													26	D		30		
	75 - 79			13	1													13	D		17		
	76 - 77	20	1	20	1													20	P		48		
	76L - 77	4	1															4	O	4	8		
	77 - 78			7	1													7	D		11		
	79 - 80	11	1	11	1													11	P		30		
	79 - 80L	4	1															4	O	4	8		
	80 - 81			25	1													25	D		29		
	82 - 82L1	7	1															7	O	3	11		
	82 - 83	2	1	2	1													2	P		12		
	82L2 - 83	4	1															4	O	4	8		
	83 - 84			23	1													23	D		27		
DELMAR DRIVE	85 - 64L1	7	1															7	O	7	11		
TOTAL		611		1221		2511		510		ALL BENDS TO BE SUPPLIED BY THE ELECTRICAL CONTRACTOR								1166		249	5167		

NOTE- ALL CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE CURRENT ENERGEX "UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL"

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Queensland Government

Approval no: DEV-2026-WAR-492

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Registered Professional Engineer of Queensland
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CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS	
NAME	-
COMPANY	-
PHONE	-
MOBILE	-
FAX	-
EMAIL	-

ALIGNMENTS		
ENERGEX OH	3.0	
ENERGEX UG	0.9	
TELSTRA	DBYD	
GAS	DBYD	
HP GAS	DBYD	
WATER	DBYD	
STORMWATER	DBYD	
SEWERAGE	DBYD	
OTHER	DBYD	JUSTIN READ RPEQ #: 7727

PROPERTY DESCRIPTION	
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PROPOSED LOTS:	335-337, 339-351, 3018, 3019
CANCELLING LOTS:	TBA
LOCAL AUTHORITY:	MBRC
APPROVAL No:	TBA
RPEQ:	

APPROVED:	T. FOSTER
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PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	30/10/2025

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

CIVIL SCHEDULE

SCALE : N/A @ A1

C10937-S1D-1

S4901064 A

URD CIVIL WORKS SCHEDULE - ROADWAY - CIVIL CONTRACTOR TO INSTALL

LOCATION	STATION FROM - TO	CONDUIT LENGTH								BENDS (*) - ELECTRICAL CONTRACTOR TO INSTALL								X-SECTION (m)		PVC STRIP	DRAW WIRE	KERB MARK	REMARKS
		50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	EXCAV / TAPE	TRENCH DETAIL				
RIVERMONT BOULEVARD	13 - 14	16	1															16	O	16	20	2	
	17 - 27			55	2	55	4	55	1									55	SP7	55	413	2	
LITHERLAND ROAD	19 - 25			34	2	34	4	34	1									34	SP7	34	266	2	
	21L2 - 24	21	1															21	O	21	25	2	
DELMAR DRIVE	29 - 30			31	1	31	6	31	1									31	SP1	31	280	2	
	30L2 - 31	18	1															18	O	18	22	2	
	32 - 34			40	1	40	6	40	1									40	SP1	40	352	2	
	33 - 37			24	1	24	4	24	1									24	SP4	24	168	2	
	34L3 - 36	21	1															21	O	21	25	2	
	41 - 42			26	1	26	4	26	1									26	SP4	26	180	2	
	46 - 47			24	1													24	D	24	28	2	
	50L3 - 51	19	1															19	O	19	23	2	
	55 - 56			21	2	21	4	21	1									21	SP7	21	175	2	
	56 - 58			30	1													30	D	30	34	2	
	58L2 - 61	9	1															9	O	9	13	2	
	61L2 - 63	14	1															14	O	14	18	2	
	64 - 65			27	1													27	D	27	31	2	
	66 - 67			17	1													17	D	17	21	2	
EPSOM STREET	69 - 70			13	1													13	D	13	17	2	
	72 - 73			20	1													20	D	20	24	2	
	72 - 75			19	1													19	D	19	23	2	
HUNTER COURT	81 - 82			19	1													19	D	19	23	2	
DELMAR DRIVE	86 - 64L2	9	1															9	O	9	13	2	
	87 - 88			26	2	26	2	26	1									26	N	26	150	2	
TOTAL		127		562		1118		257		ALL BENDS TO BE SUPPLIED BY THE ELECTRICAL CONTRACTOR								553		553	2344	48	

NOTE- ALL CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE CURRENT ENERGEX "UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL"

UNDERGROUND CABLE SCHEDULE

LOCATION	STATIONS FROM - TO	VOLTS	EX	TRF	REC	INSTALL	CABLE SIZE/ TYPE	MODEL I.D	ROUTE LENGTH (m)	CABLE LENGTH (m)		LCC	REMARKS
										NEW	REC		
CABOOLTURE RIVER ROAD	1 - 57	11kV				X	400mm² Al 3C TRIPLEX (m)	11AT400XSH	1170	1193			VIA JOINTS AT STNS 4, 9, 16 & 32.
	5 - 20	11kV				X	400mm² Al 3C TRIPLEX (m)	11AT400XSH	1070	1084			VIA JOINTS AT STNS 6, 7, 8 & 10.
	11 - 30	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	129	135			VIA STN 17.
	13 - 15	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	25	29			
	13 - 17L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	13 - 17	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	24	29			
	15 - 17L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	15 - 17L3	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	37	42			
	17 - 17L4	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	24	29			
	17 - 21	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	66	69			
LITHERLAND ROAD	20 - 21	EA				X	120mm² Cu 1C PVC-PVC (m)	SC0008939	4	6			RMU EARTH CABLE
	20 - 57	11kV				X	400mm² Al 3C TRIPLEX (m)	11AT400XSH	374	382			VIA JOINT AT STN 32.
	21 - 24	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	8	13			
	21L1 - 24	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	21L2 - 24	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	21	26			
DELMAR DRIVE	28 - 29	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	2	7			
	28 - 29L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	10	15			
	28 - 29L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	34	38			
	30 - 30L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	16	21			
	30 - 30L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	56	61			
	30 - 34	LV				X	240mm² Al 4C MDPE (m)	LVA4240XH	141	145			VIA PIT AT STN 32.
	34 - 34L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	15	20			
	34 - 36	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	14	21			
	34 - 57	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	129	134			
	34L2 - 36	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	34L3 - 36	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	21	26			
	44 - 44L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	9	14			
	44 - 44L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	32	37			
	49 - 50L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	26	31			
	50 - 51	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	9	13			VIA STN 49.
	50L2 - 51	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	50L3 - 51	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	18	23			
	50 - 57	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	213	230			VIA STNS 44, 43, 62 & 58.
	57 - 76	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	171	194			VIA STNS 64, 66, 67, 71, 72 & 75.
	58 - 61	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	15	20			
	58L1 - 61	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	58L2 - 61	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	9	14			
	62 - 63	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	21	26			
	62L1 - 63	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	62L2 - 63	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	14	19			
	64 - 86	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	40	45			VIA STN 85.
	64L1 - 86	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	64L2 - 86	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	9	14			
	66 - 66L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	4	9			
EPSOM STREET	72 - 73	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	20	23			
	73 - 73L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	16	21			
	73 - 74	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	20	23			
	74 - 74L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	4	9			
HUNTER COURT	75 - 84	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	93	105			VIA STNS 80, 81 & 82.
	76 - 76L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	13	18			
	80 - 80L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	13	18			
	82 - 82L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	7	12			
	82 - 82L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	5	10			

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Queensland Government

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL

Signature: Justin Read Date: 12.05.2026

Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements

Note: civil design components are not certified, electrical reticulation (by Energex) is not certified

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	30/10/2025	PRELIMINARY. FOR APPROVAL			
PR2	12/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
		ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
CHECKED:	L. WEST	
PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
PHONE:	0417 612 168	
ISSUE DATE:	30/10/2025	

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

SCHEDULES

SCALE : N/A @ A1

C10937-S1D-1

S4901064 A

Sheet 13 of 21

RATE 2 LIGHTING SCHEDULE

LOCATION	STN No.	SITE I.D (POLE No.)	POLE or COMPONENTS						LUMINAIRE							OUTREACH BRACKET				MOUNTING HEIGHT (m)	REMARKS
			COMP I.D	EXIST (m)	REC (m)	ERECT (m)	C.U LISTING/ MODEL No	ALIGN. (m)	COMP I.D	EXIST	REC. LUMIN	REC. CUST	DATE DE-ENERGISED	ERECT LUMIN	ERECT CUST	DATE ENERGISED	C.U LISTING / MODEL No.	EXIST	REC.	ERECT	C.U LISTING/ MODEL No.		
RIVERMONT BOULEVARD	17L1	P 12746860	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
	17L2	P 12746861	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
	17L3	P 12746862	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
	17L4	P 12746863	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
LITHERLAND ROAD	21L1	P 12746864	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
	21L2	P 12746865	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
DELMAR DRIVE	29L1	P 12746866	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
	29L2	P 12746867	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
	30L1	P 12746868	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	POWDERCOAT BLACK
	30L2	P 12746869	PO1			7.0 BPM	SB90130UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			3.0		9.0	POWDERCOAT BLACK
	34L1	P 12746870	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	34L2	P 12746871	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	34L3	P 12746872	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	44L1	P 12746873	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	44L2	P 12746874	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	50L1	P 12746875	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	50L2	P 12746876	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	50L3	P 12746877	PO1			7.0 BPM	SB90115UCI1	0.9 IOK	SL1					L37A-L2	MBAY		SLEDPH0395A			1.5		9.0	POWDERCOAT BLACK
	58L1	P 12746878	PO1			5.5 BPM	SB75115CI	0.9 IOK	SL1					L24A-L2	MBAY		SLEDSY0224O			1.5		7.5	POWDERCOAT BLACK
	58L2	P 12746879	PO1			5.5 BPM	SB75115CI	0.9 IOK	SL1					L24A-L2	MBAY		SLEDSY0224O			1.5		7.5	POWDERCOAT BLACK
	62L1	P 12746880	PO1			5.5 BPM	SB75115CI	0.9 IOK	SL1					L24A-L2	MBAY		SLEDSY0224O			1.5		7.5	POWDERCOAT BLACK
	62L2	P 12746881	PO1			5.5 BPM	SB75115CI	0.9 IOK	SL1					L24A-L2	MBAY		SLEDSY0224O			1.5		7.5	POWDERCOAT BLACK
EPSOM STREET	66L	P 12746882	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
DELMAR DRIVE	64L1	P 12746883	PO1			5.5 BPM	SB75115CI	0.9 IOK	SL1					L24A-L2	MBAY		SLEDSY0224O			1.5		7.5	POWDERCOAT BLACK
	64L2	P 12746884	PO1			5.5 BPM	SB75115CI	0.9 IOK	SL1					L24A-L2	MBAY		SLEDSY0224O			1.5		7.5	POWDERCOAT BLACK
EPSOM STREET	73L	P 12746885	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	74L	P 12746886	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
HUNTER COURT	76L	P 12746887	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	80L	P 12746888	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	82L1	P 12746889	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	82L2	P 12746890	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1

OVERHEAD WORKS SCHEDULE

LOCATION	STN No.	Site I.D (POLE No.)	POLES											CONSTRUCTIONS							REMARKS
			EDT ANG	EDT kN	SST kN	LST kN	EXISTING	RECOVER	ERECT	SINK	FOOT	COMP ID	ALIGN	LCC	EXISTING	RECOVER	ERECT	NO	KBS (mm)	ANG	LCC	
CABOOLTURE RIVER ROAD	1	P 1065446	46	3.87 kN	7.20 kN	14.26 kN	P12.5/8-14	P12.5/8-14	P14/12-22	2.70	MDCF	PO1	3.2		11TD/NCCT	11TD/NCCT	11TC/SCCT	1	150	T		REPLACE POLE 4.7m WEST UNDER EX. MAINS
																	SC0022547	3				
																	11BRAL/240XL	1				
																	11PTTRIPXW2	1	1400			
																	SC15568D	1				
															LVP	LVP	LVP	1	1800	1°		
																	CGECROD	1				
																	CGEC	1				
	3	P 105252	NO STAY				P15.5/12-22			EX	EX	PO1	EX		11SC/S	11SC/S	11TC/S	1	EX	T		CONVERT SHACKLE TO TERM
			245	4.80 kN	11.24 kN	21.57 kN											HVTMA	3				
			WITH STAY														SC0022547	3				
			319	1.40 kN	4.80 kN	8.90 kN											GSW39/SAS25	1	300			INSTALL AT 12.65m FROM POLE.
																	FSBA25	1				
																	STAYWIRE39	25				
															11-UGT			1	EX			
															LVS			1	EX	13°		
															FS200/200			1	EX			
															LV-UGT			1	EX			
															LVABC/DS4			1	EX			
															CGEC			1				
															CGECROD			1				

OVERHEAD CONDUCTOR SCHEDULE

LOCATION	STATIONS FROM - TO	VOLTS	EXISTING	TRANSFER	RECOVER	ERECT	No. OF SPANS	DIST (m)	STRINGING TABLE	M.E.S	SAG SPAN FROM - TO	SAG (m) 15°C	SAG (m) 30°C	CONDUCTOR LENGTH NEW	CONDUCTOR LENGTH REC	LCC	REMARKS
CABOOLTURE RIVER ROAD	1 - 2	11kV	3 x 11CCT1350	3 x 11CCT1350			1	62	T660	62.000	1 - 2	2.54	2.64				MAINTAIN EXISTING TENSION
	1 - 3	11kV	3 x 11CCT1350		3 x 11CCT1350		1	36							108.00		RETURN TO ENERGEX
	2 - 3	LV	4 x MARS	4 x MARS			2	98	T660	53.926	1 - 2	2.54	2.67				MAINTAIN EXISTING TENSION
	3 - 3A	11kV	3 x MARS	3 x MARS			1	69	T259	69.000	3 - 3A	1.23	1.45				MAINTAIN EXISTING TENSION

AS CONSTRUCTED	
HEIGHT	TEMP.

Underground Developer - UGD -

Model I.D/ C.U Listing	Qty	Description
11AT400XSH	2659	11KV CABLE AL TRIPLEX 400 TRXL/ M (ZERO PICK)
2JTA40TCAV7D	9	11KV JNT 400AL-XLPE 185-240CU/240-400AL
CIVJTPROT	7	CONCRETE JOINT PROTECTION SLAB
1CFC40XLG	5	11KV CFC S/G TERM 400 AL TRIPLEX
1035-3	1	CFS UNIT NEUTRAL CONNECTION 240 SQMM
1036-3	3	CFS UNIT PHASE CONNECTION 240 SQMM
SUGSLLPIT4	10	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING
LVSP9-6	3	ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A
SC0034142	1	SAFELINK 2 CCCC OD 4 WAY SWITCH UNIT
SC0021511	2	INSULATION SLEEVING HV BOOT
DSGT4EGS	1	EARTH GRID SHORT (4 EARTHS RMU OR TFMRS)
DSRMEGT	1	MATERIALS FOR RMU EARTH TAILS
SC0006265	2	TERMINAL LUG,CRIMP M12;120SQMM,37/2.03MM
SC0018434	3	RMU SUPPORT CHANNEL OVER BOX CULVERT
SC0019566	1	CULVERT BOX UNIT
SC0019960	2	CONCRETE,PRECAST FOUNDATION;1700MMLG
LVSP2-6	3	ELECT PILLAR (4C) 1WAY 240,6 X 100AMP
LV4CMEN	10	MEN EARTHS URD EXTENTIONS(NORMAL POINT)
LVSP4-6	12	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP
1324-1	1	CLASS B EXP MIT 2 PART & FRAME 750X1245
1325-1	2	CLASS B EXP MIT 2 PT &FRAME 750X1245 S/S
1321-1	2	CABLE HAULING EYE (CAST INSITU)
1321-2	1	FLOOR SUMP
1320-3	18	STEP RUNG - PLASTIC COATED STEEL
SC0013048	3	STEEL CHANNEL FOR JOINT PIT (1800MM L)
PITBKTL	3	SUPPORT BRACKET FOR UG PITS (LONG)
PITBKTS	2	SUPPORT BRACKET FOR UG PITS (SHORT)
SC0022870	1	100MM EMPTY CONDUIT PLUG 4PC
CDS125	6	CABLE DUCT SEAL 125MM CONDUITS
SC0022871	3	125MM EMPTY CONDUIT PLUG 5PC
ASSY801-1	18	32A HRC FUSE LINK CARTRIDGE FOR SL
S2475036	1	120MM Cu 1C PVC EARTH CABLE
DSHVF3SLK	24	HV FUSE SAFELINK315KVA PMT TFMR AIR/TEMP
LVPT4C240	3	LV PMT TERM/CIRC 240SQMM 4C XLPE CABLE
DSLVF31	3	LV FUSE LINK 315A FOR ABB LV BD
DSSQPMCEG	1	SQ PADMOUNT COMMON EARTHING MODELS
SC0019959	1	CULVERT BOX
LVSP4-6SL	2	ELECT PILLAR 4C 2WAY 240, 6X100A+SL
SC0006508	5	PHASE BAR FOR 3 WAY URD SERVICE PILLAR
LVSP2-6SL	2	ELECT PILLAR (4C) 1WAY240,6X100A+SL
LVSP12-6	1	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP
LVA4240XPV	890	LV CABLE AL 4C 240 XLPE-PVC /M
SC0008939	6	COMPATIABLE UNIT LISTING NOT FOUND
LVA4240XH	145	LV CABLE AL 4C 240 XLPE-PVC-MDPE
LVC416XPV	23	LV CABLE CU 4C 16 XLPE-PVC /M
ASSY801-1	21	32A HRC FUSE LINK CARTRIDGE FOR SL

Streetlight Developer - SLD -

Model I.D/ C.U Listing	Qty	Description
LVC216PVPV	203	LV CABLE CU 2C 16 XLPE-PVC Q1675
LVC24PVPV	575	LV CABLE CU 2C 4 SQMM XLPE-PVC Q1674
SB105130UCI1	9	SLBPM/105/130/UGCI1STREETLIGHTPOLEBPM
SB90130UCI1	1	SLBPM/90/130/UGCI1STREETLIGHTPOLE,BPM
SB90115UCI1	8	SLBPM/90/115/UGCI1STREETLIGHTPOLE,BPM
SB75115CI	6	SLBPM/75/115CISTREETLIGHTPOLE,BPM
SLNOS3CI	7	SLNOS3CISTREETLIGHTPOLE,NOSTALGIA
SLEDPH0622A	9	PHILIPS ROADFLAIR L60A 60W AERO 4K IP67
SLEDPH0395A	9	PHILIPS ROADFLAIR L37A 37W AERO 4K IP67
SLEDSY0224O	6	STREETLED3 L24A 24W HO AERO 4K IP67
SLEDSY01372	7	AVENUE II L14 14W NOSTALGIA TYPE 1 BLACK

Overhead Developer - OHD -

Model I.D/ C.U Listing	Qty	Description
MDCF	1	MDCF-MAXIMUM DEPTH CONCRETE FOUNDATION
P14/12-22	1	POLE, WOOD 14 MTR 22KN LSTC/W FITTINGS
11TC/SCCT	1	11KV TERMINATION COMP XARM 7KN CCT
SC0022547	6	PG CLAMP, 35-300AL/35-300AL
11BRAL/240XL	1	BR FROM 25-150 AL OH TO XLPE TERM
11PTTRIPXW2	1	11KV WOOD POLE TERM 400 AL TRIPLEX XLPE
SC15568D	1	PG CLAMP AL25-150 TO CU10-95 DIST
LVP	1	LV PIN CONSTRUCTION
CGECROD	1	CABLE GUARD EARTH COMMON ANTI-THEFT ROD
CGEC	1	CABLE GUARD EARTH (COMMON)
11TC/S	1	11KV TERMINATION COMP XARM 7KN SYN INS
HVTMA	3	HV CONDUCTOR TERMINATION - MARS
GSW39/SAS25	1	GRND STAY,WRAP,7/2.75/SCREW ANCHOR S25
FSBA25	1	COMPATIABLE UNIT LISTING NOT FOUND
STAYWIRE39	25	STEEL STAYWIRE 39KN LST (PER METRE)

Energex Supplied Materials Underground - ESM-UG -

Model I.D/ C.U Listing	Qty	Description
11AT400XSH	2659	11KV CABLE AL TRIPLEX 400 TRXL/ M

Total Trench Length (m) - 1719

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

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Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Date: 12.05.2026
Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements

FOR CONSTRUCTION

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A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.

CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS	
NAME	-
COMPANY	-
PHONE	-
MOBILE	-
FAX	-
EMAIL	-

ALIGNMENTS		
ENERGEX OH	3.0	
ENERGEX UG	0.9	
TELSTRA	DBYD	
GAS	DBYD	
HP GAS	DBYD	
WATER	DBYD	
STORMWATER	DBYD	
SEWERAGE	DBYD	
OTHER	DBYD	

PROPERTY DESCRIPTION	
NUMBER OF LOTS:	16
PROPOSED LOTS:	335-337, 339-351, 3018, 3019
CANCELLING LOTS:	TBA
LOCAL AUTHORITY:	MBRC
APPROVAL No:	TBA
RPEQ:	
JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
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ISSUE DATE:	30/10/2025

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

SCHEDULES & MATERIAL LISTS

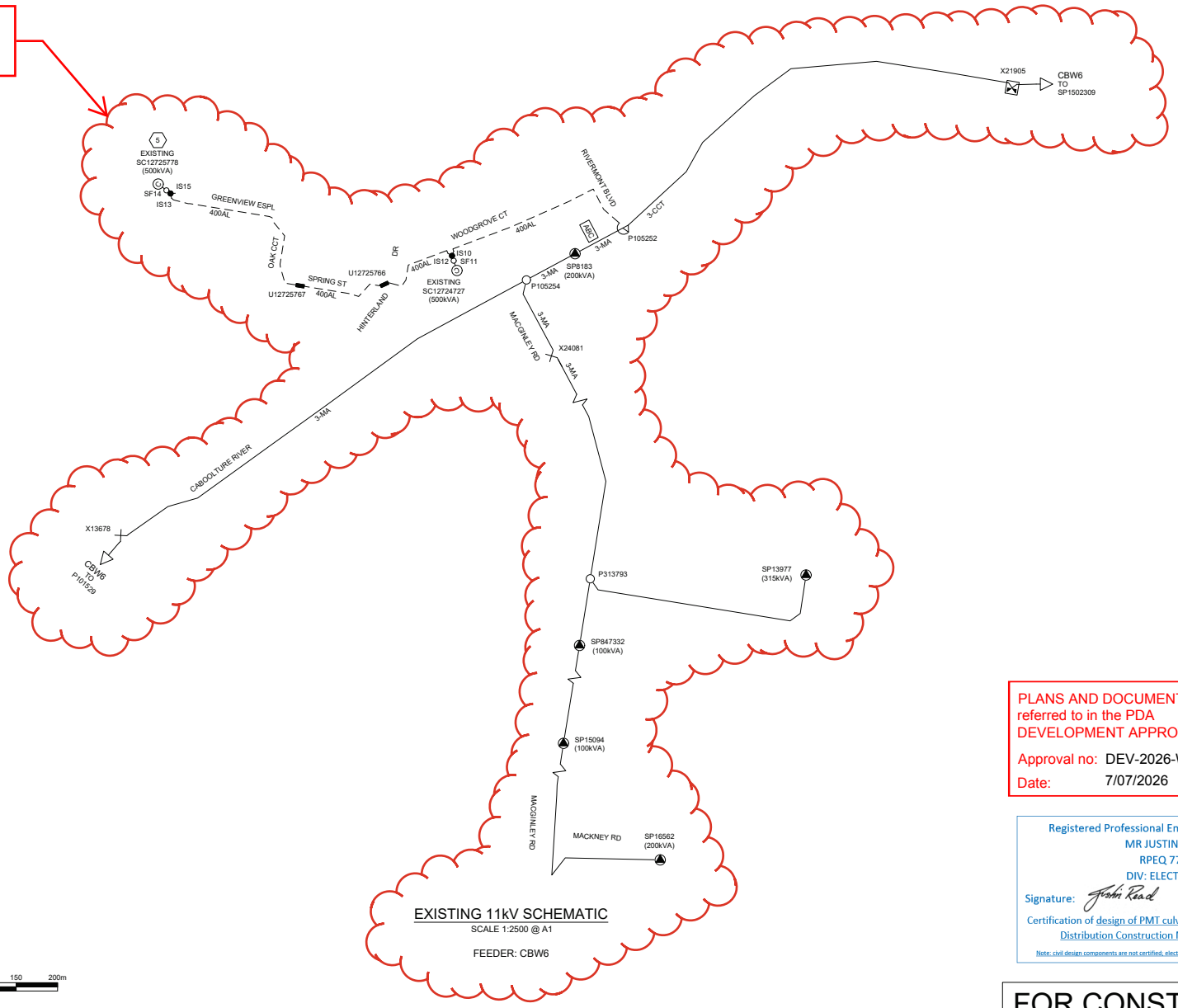
SCALE : N/A @ A1

C10937-S1D-1

S4901064 A

Sheet 14 of 21

Works outside of the PDA area are NOT approved.



EXISTING 11kV SCHEMATIC

SCALE 1:2500 @ A1

FEEDER: CBW6

NORTH

-100 -50 0 50 100 150 200m

SCALE 1:2500 (AT A1 SIZE)

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CV SERVICES GROUP
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		ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
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		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

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ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

EXISTING 11kV SCHEMATIC

SCALE : 1:2500 @ A1

C10937-S1D-1

S4901064 A

Sheet 15 of 21

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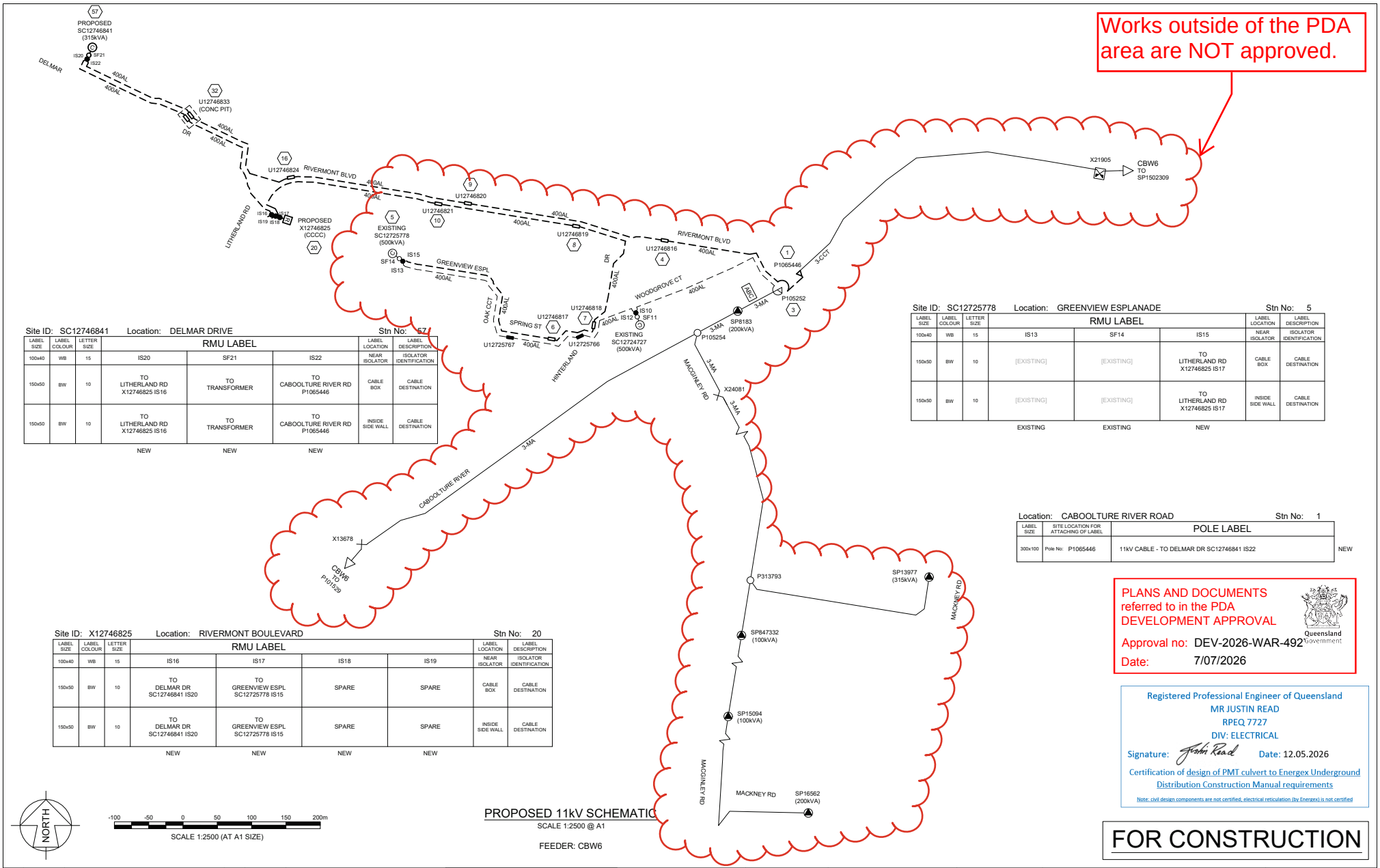

Site ID: SC12746841 Location: DELMAR DRIVE Stn No: 57

LABEL SIZE	LABEL COLOUR	LETTER SIZE	RMU LABEL			LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	IS20	SF21	IS22	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x50	BW	10	TO LITHERLAND RD X12746825 IS16	TO TRANSFORMER	TO CABOOLTURE RIVER RD P1065446	CABLE BOX	CABLE DESTINATION
150x50	BW	10	TO LITHERLAND RD X12746825 IS16	TO TRANSFORMER	TO CABOOLTURE RIVER RD P1065446	INSIDE SIDE WALL	CABLE DESTINATION
			NEW	NEW	NEW		

Site ID: SC12725778 Location: GREENVIEW ESPLANADE Stn No: 5

LABEL SIZE	LABEL COLOUR	LETTER SIZE	RMU LABEL			LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	IS13	SF14	IS15	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x50	BW	10	[EXISTING]	[EXISTING]	TO LITHERLAND RD X12746825 IS17	CABLE BOX	CABLE DESTINATION
150x50	BW	10	[EXISTING]	[EXISTING]	TO LITHERLAND RD X12746825 IS17	INSIDE SIDE WALL	CABLE DESTINATION
			EXISTING	EXISTING	NEW		

Location: CABOOLTURE RIVER ROAD Stn No: 1

LABEL SIZE	SITE LOCATION FOR ATTACHING OF LABEL	POLE LABEL	
300x100	Pole No: P1065446	11kV CABLE - TO DELMAR DR SC12746841 IS22	NEW

Site ID: X12746825 Location: RIVERMONT BOULEVARD Stn No: 20

LABEL SIZE	LABEL COLOUR	LETTER SIZE	RMU LABEL				LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	IS16	IS17	IS18	IS19	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x50	BW	10	TO DELMAR DR SC12746841 IS20	TO GREENVIEW ESPL SC12725778 IS15	SPARE	SPARE	CABLE BOX	CABLE DESTINATION
150x50	BW	10	TO DELMAR DR SC12746841 IS20	TO GREENVIEW ESPL SC12725778 IS15	SPARE	SPARE	INSIDE SIDE WALL	CABLE DESTINATION
			NEW	NEW	NEW	NEW		

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NORTH

-100 -50 0 50 100 150 200m

SCALE 1:2500 (AT A1 SIZE)

PROPOSED 11kV SCHEMATIC

SCALE 1:2500 @ A1

FEEDER: CBW6

FOR CONSTRUCTION

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CV SERVICES GROUP
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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
COMPANY	-	ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
PHONE	-	TELSTRA	DBYD		
MOBILE	-	GAS	DBYD	CANCELLING LOTS:	TBA
FAX	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
EMAIL	-	WATER	DBYD	APPROVAL No:	TBA
		STORMWATER	DBYD	RPEQ:	
		SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

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PLANNER:	C. ALLAN
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ISSUE DATE:	30/10/2025

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

PROPOSED 11kV SCHEMATIC

SCALE : 1:2500 @ A1

C10937-S1D-1

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Sheet 16 of 21

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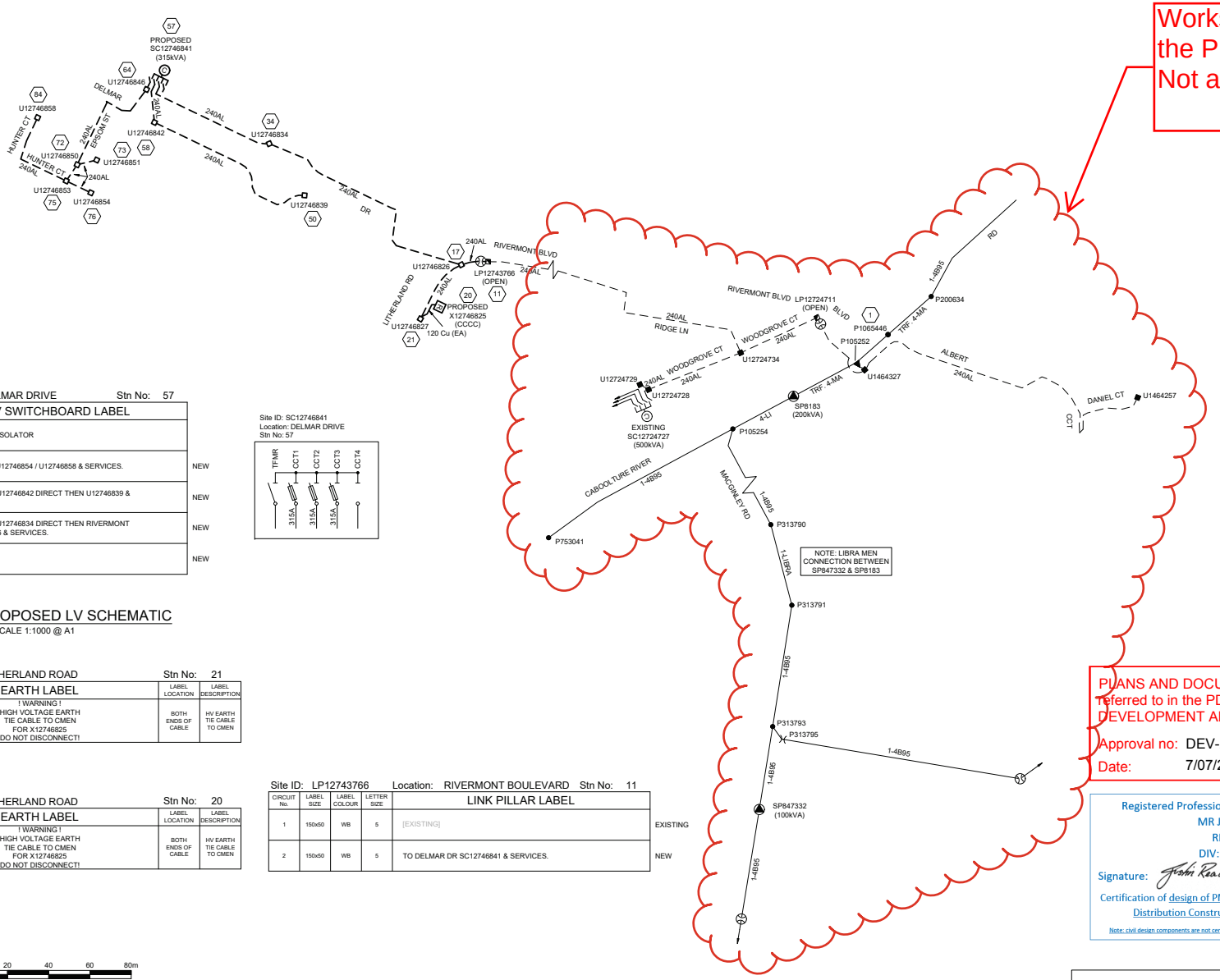

Site ID: SC12746841 Location: DELMAR DRIVE Stn No: 57

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LV SWITCHBOARD LABEL	
TFMR ISOLATOR	80x35	WB	6	TRANSFORMER ISOLATOR	
1	80x35	WB	5	TO HUNTER CT U12746854 / U12746858 & SERVICES.	NEW
2	80x35	WB	5	TO DELMAR DR U12746842 DIRECT THEN U12746839 & SERVICES.	NEW
3	80x35	WB	5	TO DELMAR DR U12746834 DIRECT THEN RIVERMONT BLVD LP12743766 & SERVICES.	NEW
4	80x35	WB	5	SPARE	NEW

Site ID: SC12746841
Location: DELMAR DRIVE
Stn No: 57

EXISTING & PROPOSED LV SCHEMATIC

SCALE 1:1000 @ A1

Site ID: U12746827 Location: LITHERLAND ROAD Stn No: 21

LABEL SIZE	LABEL COLOUR	LETTER SIZE	EARTH LABEL	LABEL LOCATION	LABEL DESCRIPTION
120x50	YELLOW BACKGROUND BLACK LETTERS	5	! WARNING ! HIGH VOLTAGE EARTH TIE CABLE TO CMEN FOR X12746825 DO NOT DISCONNECT!	BOTH ENDS OF CABLE	HV EARTH TIE CABLE TO CMEN

Site ID: X12746825 Location: LITHERLAND ROAD Stn No: 20

LABEL SIZE	LABEL COLOUR	LETTER SIZE	EARTH LABEL	LABEL LOCATION	LABEL DESCRIPTION
120x50	YELLOW BACKGROUND BLACK LETTERS	5	! WARNING ! HIGH VOLTAGE EARTH TIE CABLE TO CMEN FOR X12746825 DO NOT DISCONNECT!	BOTH ENDS OF CABLE	HV EARTH TIE CABLE TO CMEN

Site ID: LP12743766 Location: RIVERMONT BOULEVARD Stn No: 11

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LINK PILLAR LABEL	
1	150x50	WB	5	[EXISTING]	EXISTING
2	150x50	WB	5	TO DELMAR DR SC12746841 & SERVICES.	NEW

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MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 12.05.2026

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NORTH

-40 -20 0 20 40 60 80m

SCALE 1:1000 (AT A1 SIZE)

FOR CONSTRUCTION

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CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
		ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
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PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
PHONE:	0417 612 168	
ISSUE DATE:	30/10/2025	

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

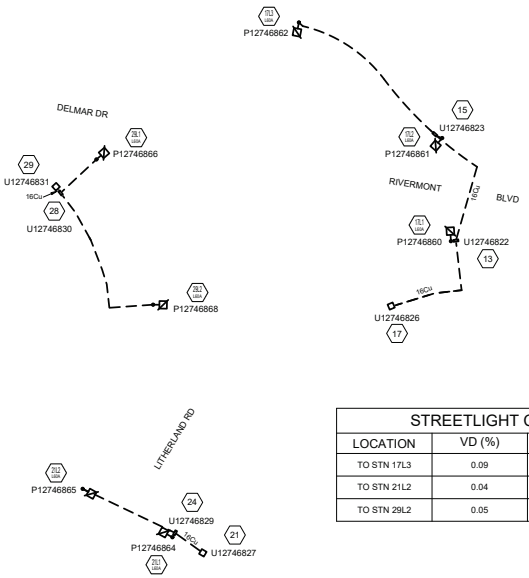
EXISTING & PROPOSED LV SCHEMATIC

SCALE : 1:1000 @ A1

C10937-S1D-1

S4901064 A

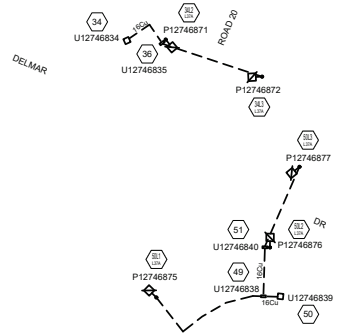
Sheet 17 of 21



STREETLIGHT CALCULATIONS			
LOCATION	VD (%)	FL (Ω)	FL MAX (Ω)
TO STN 17L3	0.09	0.8978	1.280
TO STN 21L2	0.04	0.6442	1.280
TO STN 29L2	0.05	0.7227	1.280

NOTE: ALL SL CABLES ARE 4mm 2C Cu UNLESS SPECIFIFIED OTHERWISE

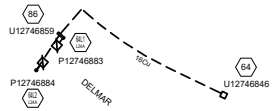
PROPOSED SL SCHEMATIC
POS: U12746826, U12746827
& U12746831
SCALE 1:500 @ A1

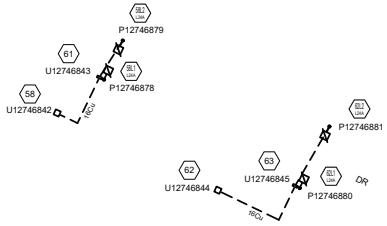


STREETLIGHT CALCULATIONS			
LOCATION	VD (%)	FL (Ω)	FL MAX (Ω)
TO STN 34L3	0.02	0.5659	1.280
TO STN 50L1	0.02	0.6214	1.280
TO STN 50L3	0.02	0.5859	1.280

NOTE: ALL SL CABLES ARE 4mm 2C Cu UNLESS SPECIFIFIED OTHERWISE

PROPOSED SL SCHEMATIC
POS: U12743839 & U12746834
SCALE 1:500 @ A1





STREETLIGHT CALCULATIONS			
LOCATION	VD (%)	FL (Ω)	FL MAX (Ω)
TO STN 58L2	0.01	0.4222	1.280
TO STN 62L2	0.01	0.4898	1.280
TO STN 64L2	0.02	0.4731	1.280

NOTE: ALL SL CABLES ARE 4mm 2C Cu UNLESS SPECIFIFIED OTHERWISE

PROPOSED SL SCHEMATIC
POS: U12746842, U12746844
& U12746846
SCALE 1:500 @ A1

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NORTH

-20 -10 0 10 20 30 40m
SCALE 1:500 (AT A1 SIZE)

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CV SERVICES GROUP
delivering the edge

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COMPANY	-	ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
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EMAIL	-	WATER	DBYD	APPROVAL No:	TBA
		STORMWATER	DBYD	RPEQ:	
		SEWERAGE	DBYD		
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ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

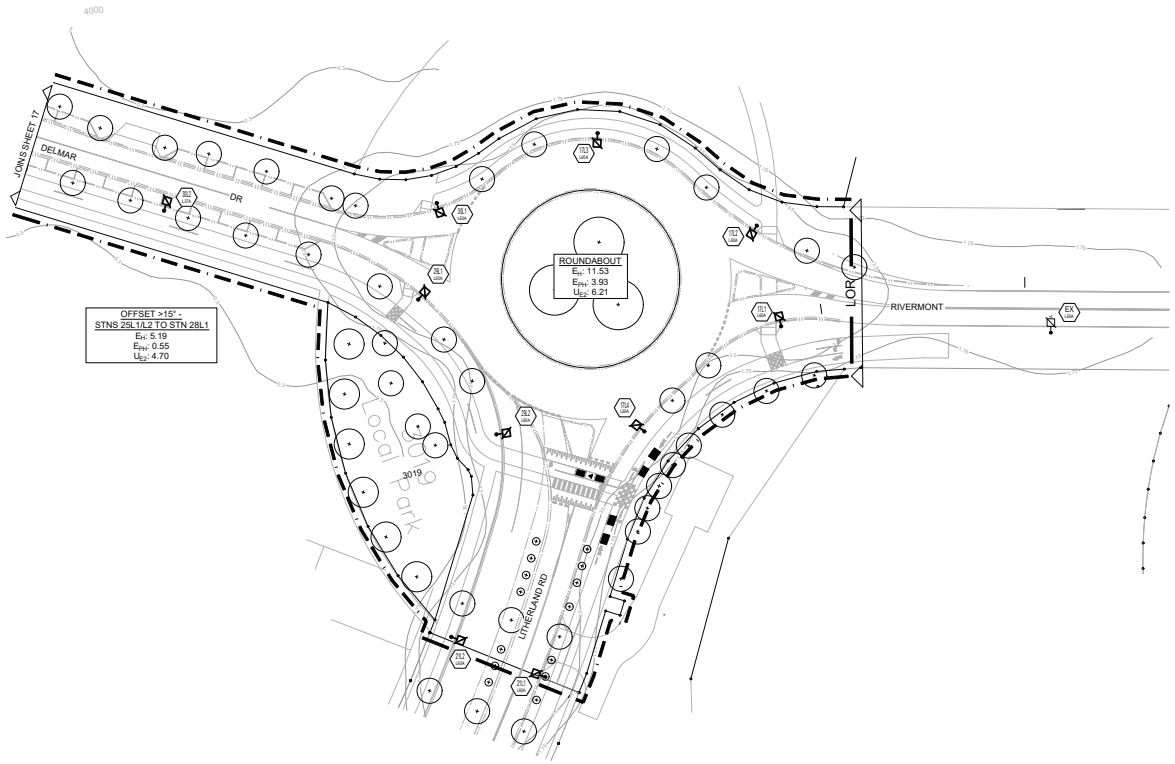
PROPOSED SL SCHEMATICS

SCALE : 1:500 @ A1

C10937-S1D-1

S4901064 A

Sheet 18 of 21



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SCALE 1:500 (AT A1 SIZE)

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PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	30/10/2025

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1

CABOOLTURE RIVER RD, UPPER CABOOLTURE

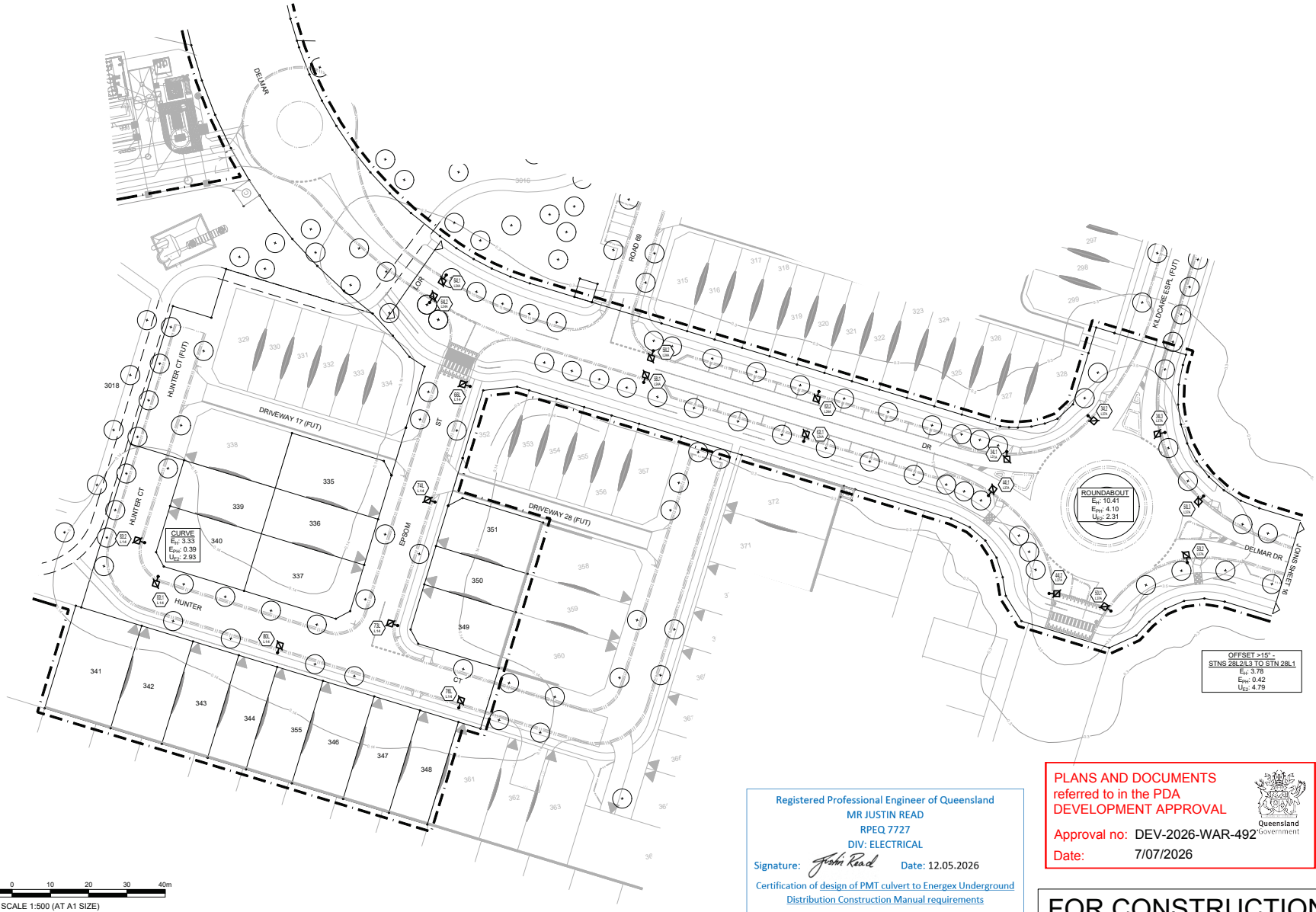
STREETLIGHTING LAYOUT

SCALE : 1:500 @ A1

C10937-S1D-1

S4901064 A

Sheet 19 of 21



NORTH

-20 -10 0 10 20 30 40m

SCALE 1:500 (AT A1 SIZE)

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 12.05.2026
Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements
Note: civil design components are not certified; electrical reticulation (by Energex) is not certified

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-492
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FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	30/10/2025	PRELIMINARY. FOR APPROVAL			
PR2	12/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
		ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
CHECKED:	L. WEST	
PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
PHONE:	0417 612 168	
ISSUE DATE:	30/10/2025	

ELECTRICAL RETICULATION & STREET LIGHTING

RIVERMONT P2/P3 - STAGE 1
CABOOLTURE RIVER RD, UPPER CABOOLTURE

STREETLIGHTING LAYOUT

SCALE : 1:500 @ A1

C10937-S1D-1

S4901064 A

Sheet 20 of 21

Amend lighting category for Delmar Drive to a Category PR4.

CERTIFICATE OF COMPLIANCE

DESIGN DOCUMENTATION IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 1158.1.1:2022 APPENDIX B

LOCATIONS & CATEGORY

RIVERMONT BOULEVARD	CATEGORY V5
LITHERLAND ROAD	CATEGORY V5

INSTALLATION ARRANGEMENT/GEOMETRY

MOUNTING HEIGHT:	10.5m
OUTREACH:	3.0m
LIGHTING ARRANGEMENT:	ARR 5
UPCAST ANGLE:	0°

LUMINAIRE/LAMP DETAILS

LUMINAIRE ID:	PHILIPS ROADFLAIR L60A
LAMP TYPE:	LED 60W AERO 4K
LAMP INITIAL FLUX:	9.6klm
I-TABLE No:	BRP392 LED96NW 60W 220-240V DWV PSD P7 ANZ.cie
LIGHTING TARIFF:	RATE 2
MAINTENANCE FACTOR:	0.75

PHOTOMETRIC DATA DETAILS

ORIGIN OF NATA CERTIFIED PHOTOMETRIC DATA: PHILIPS LIGHTING

LIGHT TECHNICAL PARAMETERS

STRAIGHT ROAD
DESIGN METHOD: LUMINANCE BASED COMPUTER CALCULATIONS & DESIGN RULES

INTERSECTIONS, JUNCTIONS AND OTHER SPECIFIED LOCATIONS
DESIGN METHOD: ILLUMINANCE BASED COMPUTER CALCULATIONS

ROAD NAME	CATEGORY	ROAD WIDTH	LUMINAIRE	ARRANGEMENT	SPACING
RIVERMONT BLVD	V5	9.2m	L60A	ARR 1	64m
LITHERLAND DR	V5	7.5m	L60A	ARR 5	67m

ROAD NAME	CATEGORY	AVG $\bar{E}_h$ (Lux)	MIN E_{ph} (Lux)	MAX/MIN U_{E1}
RIVERMONT BLVD - ROUNDABOUT	V5	11.54	3.95	6.18

LIMITING VALUES OF LIGHT TECHNICAL PARAMETERS:

LIGHTING CATEGORY	$\bar{L}$ (cd/m²)	U_0	U_L	TI	E_S	E_{ph} (lx)	U_{E1}	UWLR
V5	0.35	0.33	0.5	15%	50%	3.5	8	1%

ROAD SURFACE REFLECTION CHARACTERISTIC

ROAD SURFACE REFLECTION CHARACTERISTIC: R3

COMPUTER PROGRAM USED TO CALCULATE TECHNICAL PARAMETERS

PERFECT LITE V 5.09 (10/04/2013)
AGI32V 22.2.0.78 (28/11/2024)

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022 FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY

Justin Read

RPEQ SIGNATURE

CERTIFICATE OF COMPLIANCE

DESIGN DOCUMENTATION IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 1158.3.1:2020 APPENDIX C

LOCATIONS & CATEGORY

DELMAR DRIVE	CATEGORY PR3
EPSOM ST & HUNTER CT	CATEGORY PR5

INSTALLATION ARRANGEMENT/GEOMETRY

MOUNTING HEIGHT:	5.1m / 7.5m / 9.0m
OUTREACH:	0.0m / 1.5m / 3.0m
LIGHTING ARRANGEMENT:	SINGLE SIDE / OPPOSITE
UPCAST ANGLE:	0°

LUMINAIRE/LAMP DETAILS

LUMINAIRE ID:	PHILIPS ROADFLAIR L37A	STREETLED3 L24A	AVENUE II L14
LAMP TYPE:	LED 37W AERO 4K	LED 24W AERO 4K	LED 14W
LAMP INITIAL FLUX:	6000lm	2729lm	1969lm
I-TABLE No:	BRP391 LED60NW 37W 220-240V DWV PSD P7 ANZ.cie	StreetLED3 24W 4K AERO 180812PH.cie	AVENUE II 4K 14W V2 210729PH.cie
LIGHTING TARIFF:	RATE 2	RATE 2	RATE 2
MAINTENANCE FACTOR:	0.75	0.75	0.75

PHOTOMETRIC DATA DETAILS

ORIGIN OF NATA CERTIFIED PHOTOMETRIC DATA: PHILIPS LIGHTING / GERARD LIGHTING

LIGHT TECHNICAL PARAMETERS

DESIGN METHOD: ILLUMINANCE BASED COMPUTER CALCULATIONS & DESIGN RULES

ROAD NAME	CATEGORY	ROAD WIDTH	LUMINAIRE	ARRANGEMENT	SPACING
DELMAR DR	PR3	26m	L24A	OPPOSITE	67.8m
EPSOM ST	PR5	16.5m	L14	SINGLE SIDE	54.3m
HUNTER CT	PR5	16.5m	L14	SINGLE SIDE	54.3m

ROAD NAME	CATEGORY	AVG $\bar{E}_h$ (Lux)	MIN E_{ph} (Lux)	MAX/AVG U_{E2}
DELMAR DR - >15° OFFSET - STN 25L1/L2 TO 28L1	PR3	5.20	0.55	4.69
DELMAR DR - >15° OFFSET - STN 28L2/L3 TO 28L1	PR3	4.02	0.42	4.79
DELMAR DR - ROUNDABOUT	PR3	10.49	4.09	2.30
HUNTER CT - CURVE	PR5	3.33	0.39	2.93

LIMITING VALUES OF LIGHT TECHNICAL PARAMETERS:

LIGHTING CATEGORY	$\bar{E}_h$	E_{ph}	U_{E2}	E_{hv}
PR3	1.75	0.3	8	N/A
PR5	0.85	0.14	10	N/A

COMPUTER PROGRAM USED TO CALCULATE TECHNICAL PARAMETERS

PERFECT LITE V 3.10 (10/04/2013)
AGI32V 22.2.0.78 (28/11/2024)

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022 FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY

Justin Read

RPEQ SIGNATURE

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 12.05.2026
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CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	16
COMPANY	-	ENERGEX UG	0.9	PROPOSED LOTS:	335-337, 339-351, 3018, 3019
PHONE	-	TELSTRA	DBYD	CANCELLING LOTS:	TBA
MOBILE	-	GAS	DBYD	LOCAL AUTHORITY:	MBRC
FAX	-	HP GAS	DBYD	APPROVAL No:	TBA
EMAIL	-	WATER	DBYD	RPEQ:	
		STORMWATER	DBYD		
		SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
CHECKED:	L. WEST	
PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
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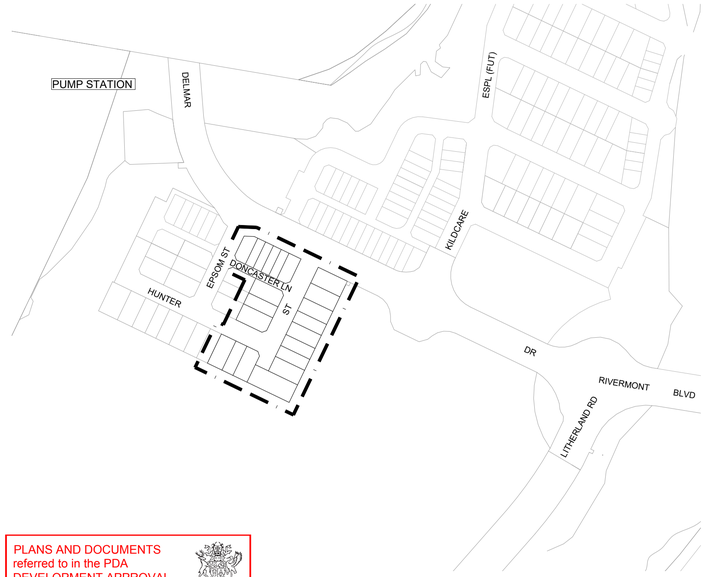
ELECTRICAL RETICULATION & STREET LIGHTING
RIVERMONT P2/P3 - STAGE 1
CABOOLTURE RIVER RD, UPPER CABOOLTURE
STREETLIGHTING CERTIFICATION

SCALE : N/A @ A1
C10937-S1D-1
S4901064 A
Sheet 21 of 21

RIVERMONT P2/P3 - STAGE PSD

UPPER CABOOLTURE



KEY MAP
N.T.S.

	DRAWING INDEX
1	OVERALL PLAN
2	WORKS PLAN & SCHEDULES
3	EX & PROP LV SCHEMATIC & SCHEDULES
4	STREETLIGHTING CERTIFICATION

LOCALITY PLAN
N.T.S.

LEGEND

LINES

- Boundary of Works
- Electrical Overhead - Exist
- Electrical Overhead - New
- Electrical Overhead - Recover / Future
- Electrical Underground - Exist
- Electrical Underground - New
- Electrical Underground - Recover / Future
- Consumers Overhead - New
- Consumers Underground - New
- RP Boundary
- Easement Boundary
- Kerbline
- Railway
- Retaining Wall
- S — Sewer Main
- RM — Sewer Rising Main
- W — Water Main
- SW — Stormwater
- RW — Rainwater
- Open Drain / Swale
- G — Gas
- T — Telecommunications
- / — Fence
- Zero-lot Boundary

SYMBOLS

- Electrical Pillar
- Link Pillar
- Commercial / Industrial Pillar
- Electrical Pit
- Underground Joint
- Pole - LV Only
- Pole - HV Only
- Pole - HV & LV
- Pole - HV, Future LV
- Pole - LV, Future HV
- Pole Transformer
- Pole Termination - LV Only
- Pole Termination - HV Only
- Pole Termination - HV & LV
- Earth Electrode
- Pole Stay - Ground / Sidewalk
- Pole Stay - Aerial
- C — Padmount Transformer
- R — Ring Main Unit
- Conduit - 50mm
- Conduit - 100mm
- Conduit - 125mm
- Conduit - Energex Communications
- Street Light - LED
- Street Light - High Pressure Sodium 70W
- Street Light - High Pressure Sodium 100W
- Street Light - High Pressure Sodium 150W
- Street Light - High Pressure Sodium 250W
- Street Light - High Pressure Sodium 400W
- Street Light - Mercury Vapour 50W
- Street Light - Mercury Vapour 80W
- Street Light with Aeroscreen
- LV Disconnection Links - Open
- LV Disconnection Links - Closed
- HV Switch - Open
- HV Switch - Closed
- Drop Out Fuses - Open
- Drop Out Fuses - Closed
- 00 — Station Number
- Remove
- A — Phasing
- Driveway

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
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UNDERGROUND SERVICES IDENTIFICATION

WORK CREWS WHO WILL BE EXCAVATING AT THIS SITE ARE ADVISED TO CONTACT THE "DIAL BEFORE YOU DIG" SERVICE TO DETERMINE THE EXTENT OF EXISTING UNDERGROUND SERVICES AND THE REQUIREMENTS OF THE APPROPRIATE SERVICE PROVIDERS. IT IS THE RESPONSIBILITY OF THE WORKS CREWS TO HAVE ALL EXISTING SERVICES AFFECTED BY THESE WORKS LOCATED ON SITE TO AVOID ANY DAMAGE DURING EXCAVATION WORKS. WHERE SERVICES HAVE BEEN SHOWN ON THE PLAN, THESE LOCATIONS ARE INDICATIVE ONLY AND NO WARRANTY IS IMPLIED AS TO THEIR ACCURACY.

DIAL 1100 BEFORE YOU DIG

DIAL BEFORE YOU DIG SERVICE
PHONE - 1100
WEB - www.1100.com.au
YOUR REQUEST SHOULD BE FORWARDED 5 WORKING DAYS BEFORE PLANNED EXCAVATION DATE.

AS CONSTRUCTED CABLE CERTIFICATION

ALL CABLES DETAILED FOR INSTALLATION ON THIS DRAWING HAVE BEEN CHECKED USING THE CABLE LOCATOR DESCRIBED BELOW AND ARE ACCORDING TO MEASUREMENTS TAKEN ON THE CORRECT ALIGNMENT AND AT THE CORRECT DEPTHS BELOW THE FINISHED SURFACE LEVEL. ALIGNMENTS ARE SUBJECT TO THE ACCURACY OF THE SURVEY PEGS INSTALLED AT TIME OF LOCATION.

CABLE LOCATIONS CARRIED OUT BY: _____
CHECKER PHONE NUMBER: _____
LOCATION DATE: _____
LOCATOR MODEL: _____
LOCATOR SERIAL NO: _____
CALIBRATION DATE: _____
CHECKER SIGNATURE: _____

ENERGEX STANDARDS

THE CONTRACTOR IS TO READ THIS PLAN TOGETHER WITH ALL RELEVANT ENERGEX STANDARDS, TECHNICAL SPECIFICATIONS AND MANUALS. THESE DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO:

- UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL.
- OVERHEAD CONSTRUCTION MANUAL.
- OVERHEAD DESIGN MANUAL.
- NETWORK LABELLING AND SIGNAGE MANUAL.
- QLD PUBLIC LIGHTING CONSTRUCTION MANUAL.

CONSUMERS INSTALLATIONS SHALL COMPLY WITH AS/NZS 3000:2018 - SAA WIRING RULES.

FOR DETAILS OF TRENCH CROSS-SECTIONS, REFER TO ENERGEX UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL.

GENERAL NOTES

1. NO OTHER SERVICES TO ENCROACH INTO THE STANDARD UNDERGROUND ELECTRICITY CORRIDOR OF 0mm - 900mm FROM RP BOUNDARY. *(NOTE 0mm - 1000mm FROM BACK OF KERB FOR COMMUNITY TITLE DEVELOPMENTS).*
2. ALL CABLES TO BE INSTALLED IN CONDUIT WITHIN THE STANDARD ELECTRICITY ALIGNMENT ALLOCATED BY THE LOCAL COUNCIL. WHERE CONDUITS VARY FROM THIS AND AT ROAD CROSSINGS, PROTECTIVE STRIP IS TO BE INSTALLED. WHERE PRACTICAL ELECTRICITY CABLES SHALL NOT BE CLOSER THAN 250mm TO THE REAL PROPERTY BOUNDARY.
3. A, B OR C WHERE SHOWN BESIDE LV PILLARS DENOTES SERVICE PHASING.
4. THE CONTRACTOR SHALL MEASURE ACTUAL CABLE LENGTHS REQUIRED ON SITE AFTER INSTALLATION OF CONDUITS THEN NOTIFY ENERGEX/SUPPLIER WHEN CONFIRMING CABLE ORDER.
5. ALL BENDS INSTALLED ON 100mm AND 125mm RETICULATION CONDUITS MUST BE 1830mm RADIUS UNLESS OTHERWISE SPECIFIED.
6. CONTRACTOR TO SUPPLY ALL LABELS AND SITE ID NUMBERS TO ENERGEX SPECIFICATION.
7. WHEN CROSS ROAD CONDUIT FINISHES OPPOSITE A TRUNCATION PEG, PROPERTY SIDE OF TRENCH TO BE 300mm ALIGNMENT FROM RP.
8. CIVIL CONTRACTOR TO INSTALL ALL ROAD CROSSING CONDUITS.
9. ELECTRICAL CONTRACTOR TO INSTALL FOOTPATH CONDUITS.
10. CO-ORDINATE CONDUIT INSTALLATION WITH NBN CONTRACTORS.
11. ELECTRICITY PILLARS TO HAVE 600mm EXCLUSION ZONE FROM ALL OTHER SERVICES.
12. CIVIL CONTRACTOR TO INSTALL CONSUMER LEAD IN CONDUITS FOR ELECTRICAL AND NBN/ COMMS PRIOR TO CONSTRUCTION OF RETAINING WALLS INTO ROAD RESERVE IN ACCORDANCE WITH AS/NZS 3000:2018 AND OTHER AUTHORITY REQUIREMENTS.
13. ALL ELECTRICAL AND TELECOMMUNICATION INFRASTRUCTURE ADJACENT TO ZERO LOT BOUNDARIES ARE TO BE ALIGNED OR OFFSET FROM BOUNDARY LINE. IF THE PILLAR IS WITHIN 1M OF DRIVEWAY PROTECTIVE BOLLARDS ARE TO BE INSTALLED. STREETLIGHTS TO BE OFFSET 1M FROM BOUNDARY LINE CLEAR OF FUTURE DRIVEWAYS.
14. ENERGEX SUPPLY AGREEMENT AND AUTHORITY TO CONSTRUCT TO BE IN PLACE PRIOR TO STARTING WORKS ON ENERGEX NETWORK.
15. CONTRACTOR TO CONFIRM GAS REQUIREMENTS FOR THE DEVELOPMENT WHERE APPLICABLE.
16. ALL DIMENSIONS FOR LAYOUT DRAWINGS IN THIS WORKS PLAN ARE IN METERS UNLESS OTHER WISE SHOWN.

LOCATION OF UTILITIES

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL UNDERGROUND SERVICES PRIOR TO COMMENCING WORK AT THE SITE, AND IS RESPONSIBLE FOR THE REPAIR OF DAMAGE TO UNDERGROUND OR OVERHEAD UTILITY ASSETS, ARISING FROM THESE WORKS. CONTACT DIAL BEFORE YOU DIG.

PROPOSED COMMISSIONING PLAN

TENTATIVE ONLY - SUBJECT TO AMENDMENT BY ENERGEX OUTAGE CO-ORDINATOR

LV ONLY x 1

LV

- CHECK OPEN SC12746894 FS1 - DELMAR DR
- OPEN SC12746841 FS1 & FS2 - DELMAR DR
- PERFORM LV WORKS AS REQUIRED
- OPEN LP12746910 - HUNTER ST
- CLOSE SC12746841 FS1 & FS2 - DELMAR DR

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
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Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements
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CIVIL CONTRACTOR NOTE

CIVIL CONTRACTOR TO ENSURE ALL CONDUITS ARE INSTALLED PRIOR TO CONSTRUCTION OF FOOTPATHS, DRIVEWAYS AND RETAINING WALLS (WHERE REQUIRED).

STREETLIGHTING CERTIFICATION

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022 FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY.
THE LIGHTING DESIGN IS BASED UPON THE FOLLOWING RECOMMENDED MAINTENANCE SCHEDULE:

- CLEANING & INSPECTION OF LUMINAIRE AT 48 MONTH INTERVALS INCLUDING P.E. CELL
- VEGETATION TO BE KEPT CLEAR OF LUMINAIRES
- INSPECTION PATROLS & SPOT LAMP REPLACEMENT TO MAINTAIN SERVICE AVAILABILITY AT MIN. 95%
- LUMINAIRES AND LAMPS TO BE REPLACED WITH EXACT EQUIVALENTS. WHERE THIS CANNOT OCCUR AN EQUIVALENT ALTERNATIVE SHOULD BE CHOSEN BY RESPECTIVE AUTHORITY

HUNTER ST & DONCASTER LN: CATEGORY PR5
HUNTER ST (D'WAY): CATEGORY PR6

Justin Read
RPEQ SIGNATURE

Fire Ant Biosecurity Caution For Info Call 13 25 23

REFERENCED DRAWINGS		
FILE NAME	COMPANY	DATE RECEIVED
x16-151_base 251128 ISSUE.dwg		01/12/2025
C10937-PSD-1	CV SERVICES	14/01/2026

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	03/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	15/01/2026	CIVIL & ELEC BASE UPDATED			
A	21/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS	
NAME	-
COMPANY	-
PHONE	-
MOBILE	-
FAX	-
EMAIL	-

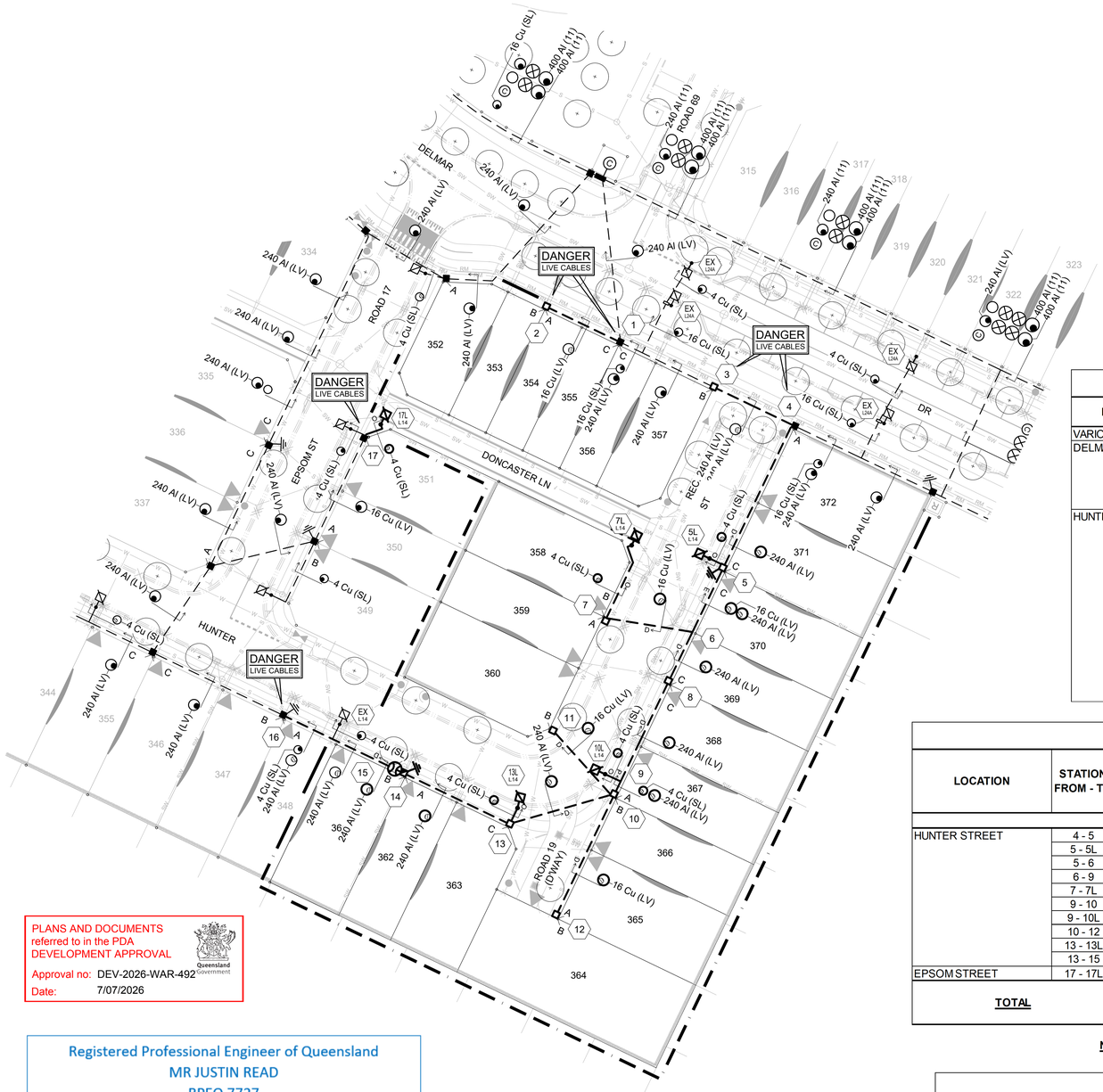
ALIGNMENTS	
ENERGEX OH	3.0
ENERGEX UG	0.9
TELSTRA	DBYD
GAS	DBYD
HP GAS	DBYD
WATER	DBYD
STORMWATER	DBYD
SEWERAGE	DBYD
OTHER	DBYD

PROPERTY DESCRIPTION	
NUMBER OF LOTS:	21
PROPOSED LOTS:	352-372 & BALANCE
CANCELLING LOTS:	TBA
LOCAL AUTHORITY:	MBRC
APPROVAL No:	TBA
RPEQ:	
JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	03/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING
RIVERMONT P2/P3 - STAGE 2
CABOOLTURE RIVER RD, UPPER CABOOLTURE
OVERALL PLAN

SCALE : N/A @ A1
C10937-S2D-1
S4901066 A
Sheet 1 of 4



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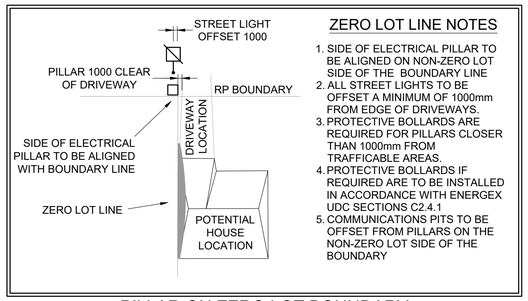
NORTH

-20 -10 0 10 20 30 40m

SCALE 1:500 (AT A1 SIZE)



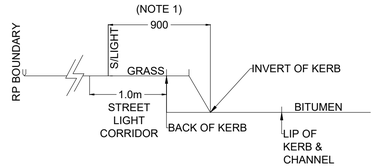
ZERO LOT LINE NOTES

1. SIDE OF ELECTRICAL PILLAR TO BE ALIGNED ON NON-ZERO LOT SIDE OF THE BOUNDARY LINE
2. ALL STREET LIGHTS TO BE OFFSET A MINIMUM OF 1000mm FROM EDGE OF DRIVEWAYS.
3. PROTECTIVE BOLLARDS ARE REQUIRED FOR PILLARS CLOSER THAN 1000mm FROM TRAFFICABLE AREAS.
4. PROTECTIVE BOLLARDS IF REQUIRED ARE TO BE INSTALLED IN ACCORDANCE WITH ENERGEX UDC SECTIONS C2.4.1
5. COMMUNICATIONS PITS TO BE OFFSET FROM PILLARS ON THE NON-ZERO LOT SIDE OF THE BOUNDARY

PILLAR ON ZERO LOT BOUNDARY

NOT TO SCALE

NOTE 1: THE POLE ALIGNMENT SHALL BE 0.9m FROM THE INVERT OF KERB WHICH WILL LIE WITHIN THE STREETLIGHT CORRIDOR (0 - 1.0m BEHIND THE BACK OF KERB)



STREETLIGHT ALIGNMENT FOR MORETON BAY REGIONAL COUNCIL

EQUIPMENT SCHEDULE

LOCATION	STN No.	ENERGEX SITE I.D	EX	REC	INSTALL	MODEL DESCRIPTION	IIN	COMP I.D	PLANT No.	MODEL I.D	QTY	LCC	REMARKS
VARIOUS LOCATIONS						32A HRC FUSE LINK CARTRIDGE FOR SL				ASSY801-1	5		
DELMAR DRIVE	1	U 12746842	X			ELECT PILLAR 4C 2WAY 240, 6X100A+SL					1		TERM 16MM 4C CABLE
	2	U 12746901			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP				LVSP12-6	1		
	3	U 12746902			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	4	U 12746844	X			ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A					1		
					X	CONVERT 2WAY TO 3WAY				LVSPC2W3	1		
HUNTER STREET	5	U 12746903			X	ELECT PILLAR 4C 2WAY 240, 6X100A+SL				LVSP4-6SL	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	7	U 12746904			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100+SL				LVSP12-6SL	1		
	8	U 12746905			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	10	U 12746906			X	ELECT PILLAR 4C 2WAY 240, 6X100A+SL				LVSP4-6SL	1		
	11	U 12746907			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP				LVSP12-6	1		
	12	U 12746908			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP				LVSP12-6	1		
	13	U 12746909			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	14	LP 12746910			X	LV LINK PILLAR 2 WAY 240-240 AL				LVSP14-6	1		
					X	MEN LINK PILLAR EARTHING				1037-1	1		
					X	REFLECTIVE YELLOW LABEL 150X50MM				SC0017319	1		
	16	U 12746854	X			ELECT PILLAR (4C) 1WAY240,6X100A+SL					1		
			X			MEN EARTHS URD EXTENTIONS(NORMAL POINT)					1		
					X	URD SERVICE PILLAR LUGSET 240MM 4C CABLE				LVSPL240	1		

URD CIVIL WORKS SCHEDULE - FOOTPATHS

LOCATION	STATION FROM - TO	CONDUIT LENGTH 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	BENDS (°) 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	X-SECTION (m) EXCAV / TAPE	TRENCH DETAIL	PVC STRIP	DRAW WIRE	KERB MARK	REMARKS
FOOTPATHS - TRENCHING AND MATERIAL SUPPLIED BY ELECTRICAL CONTRACTOR																							
HUNTER STREET	4 - 5			29	1													29	D		33		
	5 - 5L	3	1															3	O	3	7		
	5 - 6			13	2													13	E		34		
	6 - 9			30	1													30	D		34		VIA STN 8.
	7 - 7L	16	1															16	O	1	20		
	9 - 10	3	1	3	1													3	P		14		
	9 - 10L	3	1															3	O	3	7		
	10 - 12			25	1													25	D		29		
	13 - 13L	3	1															3	O	3	7		
	13 - 15			29	1													29	D		33		VIA STN 14.
EPSOM STREET	17 - 17L	4	1															4	O	1	8		
TOTAL		32		142						ALL BENDS TO BE SUPPLIED BY THE ELECTRICAL CONTRACTOR								158		11	226		

NOTE- ALL CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE CURRENT ENERGEX "UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL"

URD CIVIL WORKS SCHEDULE - ROADWAY - CIVIL CONTRACTOR TO INSTALL

LOCATION	STATION FROM - TO	CONDUIT LENGTH 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	BENDS (°) - ELECTRICAL CONTRACTOR TO INSTALL 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	X-SECTION (m) EXCAV / TAPE	TRENCH DETAIL	PVC STRIP	DRAW WIRE	KERB MARK	REMARKS
HUNTER STREET	6 - 7			16	1													16	D	16	20	2	
	10 - 11			16	1													16	D	16	20	2	
	10 - 13			19	1													19	D	19	23	2	
TOTAL				51						ALL BENDS TO BE SUPPLIED BY THE ELECTRICAL CONTRACTOR								51		51	63	6	

NOTE- ALL CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE CURRENT ENERGEX "UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL"

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	03/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	15/01/2026	CIVIL & ELEC BASE UPDATED			
A	21/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME		ENERGEX OH	3.0	NUMBER OF LOTS:	21
-		ENERGEX UG	0.9	PROPOSED LOTS:	352-372 & BALANCE
COMPANY		TELSTRA	DBYD		
-		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	03/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 2

CABOOLTURE RIVER RD, UPPER CABOOLTURE

WORKS PLAN & SCHEDULES

SCALE : 1:500 @ A1

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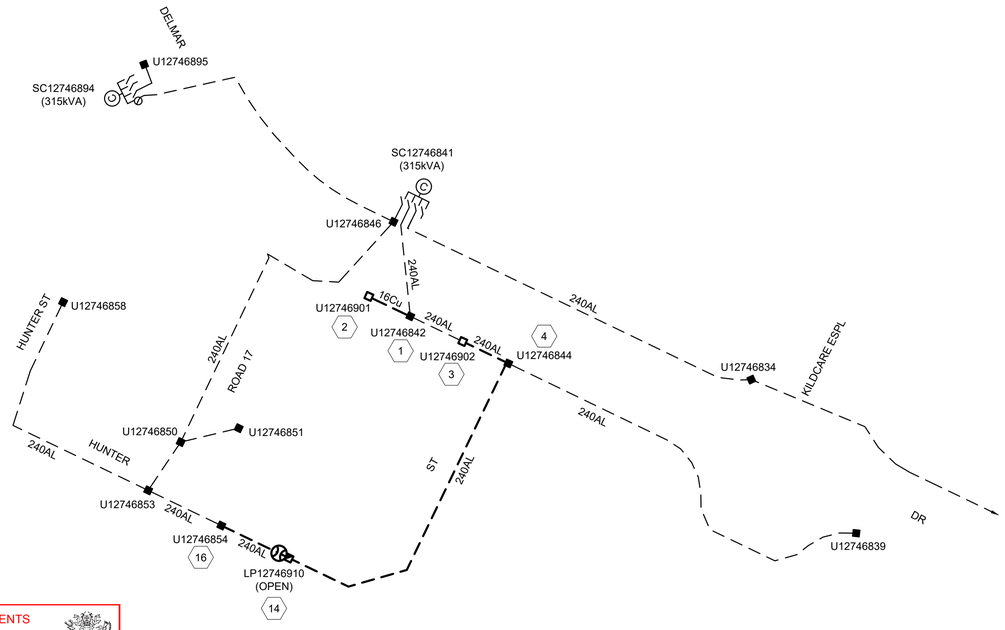
RATE 2 LIGHTING SCHEDULE

LOCATION	STN No.	SITE I.D (POLE No.)	POLE or COMPONENTS						LUMINAIRE									OUTREACH BRACKET				MOUNTING HEIGHT (m)	REMARKS
			COMP I.D	EXIST (m)	REC (m)	ERECT (m)	C.U LISTING/ MODEL No	ALIGN. (m)	COMP I.D	EXIST	REC. LUMIN	REC. CUST	DATE DE-ENERGISED	ERECT LUMIN	ERECT CUST	DATE ENERGISED	C.U LISTING / MODEL No.	EXIST	REC.	ERECT	C.U LISTING/ MODEL No.		
HUNTER STREET	5L	P 12746912	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
DONCASTER LANE	7L	P 12746913	PO1			4.5 BPM	SLNOS3CI	1.0 DWY	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
HUNTER STREET	10L	P 12746914	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	13L	P 12746915	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
DONCASTER LANE	17L	P 12746916	PO1			4.5 BPM	SLNOS3CI	1.0 DWY	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1

UNDERGROUND CABLE SCHEDULE

LOCATION	STATIONS FROM - TO	VOLTS	EX	TRF	REC	INSTALL	CABLE SIZE/ TYPE	MODEL I.D	ROUTE LENGTH (m)	CABLE LENGTH (m) NEW	CABLE LENGTH (m) REC	LCC	REMARKS
DELMAR DRIVE	1 - 2	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	15	18			
	1 - 3	LV	X	X			240mm² Al 4C XLPE (m)	LVA4240XPV	19				CUT AND TURN UP AT STN 3.
	3 - 4	LV	X		X		240mm² Al 4C XLPE (m)	LVA4240XPV	17		17		RETURN TO ENERGEX
		LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	17	20			
	4 - 14	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	117	132			VIA STNS 5, 8, 10 & 13.
HUNTER STREET	5 - 5L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	3	8			
	5 - 7	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	29	32			
	7 - 7L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	16	21			
	10 - 10L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	6	11			
	10 - 11	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	16	19			
	10 - 12	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	25	28			
	13 - 13L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	3	8			
	14 - 16	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	25	28			
EPSOM STREET	17 - 17L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	4	9			



PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-492
Date: 7/07/2026

EXISTING & PROPOSED LV SCHEMATIC
SCALE 1:1000 @ A1

NORTH

-40 -20 0 20 40 60 80m
SCALE 1:1000 (AT A1 SIZE)

Underground Developer - UGD -

Model I.D/ C.U Listing	Qty	Description
LVSP12-6	3	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP
LVSP4-6	3	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP
LVSPC2W3	1	CONVERT 2WAY TO 3WAY
LVSP4-6SL	2	ELECT PILLAR 4C 2WAY 240, 6X100A+SL
LV4CMEN	1	MEN EARTHS URD EXTENTIONS(NORMAL POINT)
LVSP12-6SL	1	ELECT PILLAR CROSS ROAD 16SQMM 6X100+SL
LVSP14-6	1	LV LINK PILLAR 2 WAY 240-240 AL
1037-1	1	MEN LINK PILLAR EARTHING
SC0017319	1	REFLECTIVE YELLOW LABEL 150X50MM
LVSPL240	1	URD SERVICE PILLAR LUGSET 240MM 4C CABLE
LVC416XPV	97	LV CABLE CU 4C 16 XLPE-PVC /M
ASSY801-1	5	32A HRC FUSE LINK CARTRIDGE FOR SL
LVA4240XPV	180	LV CABLE AL 4C 240 XLPE-PVC /M

Streetlight Developer - SLD -

Model I.D/ C.U Listing	Qty	Description
LVC24PVPV	57	LV CABLE CU 2C 4 SQMM PVC-PVC /M
SLNOS3CI	5	SLNOS3CISTREETLIGHTPOLE,NOSTALGIA
SLEDSY01372	5	AVENUE II L14 14W NOS TYPE 1 BLACK

Total Trench Length (m) - 209

Site ID: SC12746894 Location: DELMAR DRIVE Stn No: -

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LV SWITCHBOARD LABEL	
TFMR ISOLATOR	80x35	WB	6	TRANSFORMER ISOLATOR	
1	80x35	WB	5	TO DELMAR DR U12746846 DIRECT THEN SC12746841 / HUNTER ST LP12746910 / U12746858 & SERVICES.	NEW
2	80x35	WB	5	[EXISTING]	EXISTING
3	80x35	WB	5	[EXISTING]	EXISTING
4	80x35	WB	5	[EXISTING]	EXISTING

Site ID: SC12746841 Location: DELMAR DRIVE Stn No: -

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LV SWITCHBOARD LABEL	
TFMR ISOLATOR	80x35	WB	6	TRANSFORMER ISOLATOR	
1	80x35	WB	5	TO DELMAR DR SC12746894 / HUNTER ST LP12746910 / U12746858 & SERVICES.	NEW
2	80x35	WB	5	TO DELMAR DR U12746842 DIRECT THEN HUNTER ST LP12746910 / DELMAR DR U12746839 & SERVICES.	NEW
3	80x35	WB	5	[EXISTING]	EXISTING
4	80x35	WB	5	[EXISTING]	EXISTING

Site ID: LP12746910 Location: HUNTER STREET Stn No: 14

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LINK PILLAR LABEL	
1	150x50	WB	5	TO DELMAR DR SC12746841 / U12746839 & SERVICES.	NEW
2	150x50	WB	5	TO DELMAR DR SC12746841 / SC12746894 / HUNTER ST U12746858 & SERVICES.	NEW

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 12.05.2026
Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements
Note: civil design components are not certified; electrical reticulation (by Energex) is not certified

FOR CONSTRUCTION

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CV SERVICES GROUP
delivering the edge

SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	21
		ENERGEX UG	0.9	PROPOSED LOTS:	352-372 & BALANCE
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
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DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	03/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 2
CABOOLTURE RIVER RD, UPPER CABOOLTURE

EX & PROP LV SCHEMATIC & SCHEDULES

SCALE : 1:1000 @ A1

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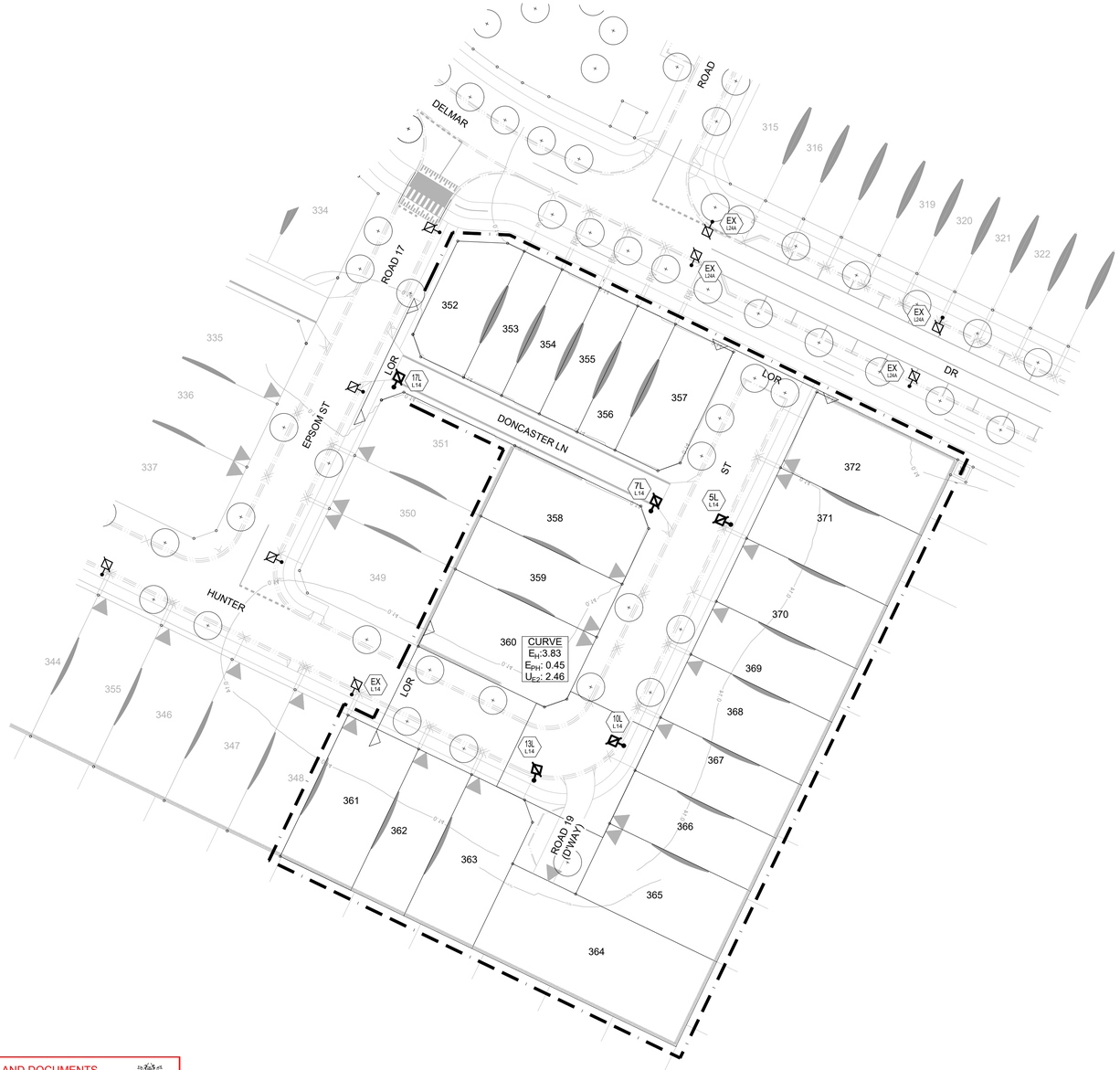
Sheet 3 of 4



CERTIFICATE OF COMPLIANCE

DESIGN DOCUMENTATION IN ACCORDANCE WITH THE REQUIREMENTS OF
AS/NZS 1158.3.1:2020 APPENDIX C

LOCATIONS & CATEGORY

HUNTER ST	CATEGORY PR5
HUNTER ST (D'WAY)	CATEGORY PR6
DONCASTER LN	CATEGORY PR5

INSTALLATION ARRANGEMENT/GEOMETRY

MOUNTING HEIGHT:	5.1m
OUTREACH:	0.0m
LIGHTING ARRANGEMENT:	SINGLE SIDE
UPCAST ANGLE:	0°

LUMINAIRE/LAMP DETAILS

LUMINAIRE ID:	AVENUE II L14
LAMP TYPE:	LED 14W
LAMP INITIAL FLUX:	1969lm
I-TABLE No:	AVENUE II 4K 14W V2 210729PH.cie
LIGHTING TARIFF:	RATE 2
MAINTENANCE FACTOR:	0.75

PHOTOMETRIC DATA DETAILS

ORIGIN OF NATA CERTIFIED PHOTOMETRIC DATA: GERARD LIGHTING

LIGHT TECHNICAL PARAMETERS

DESIGN METHOD: ILLUMINANCE BASED COMPUTER CALCULATIONS & DESIGN RULES

ROAD NAME	CATEGORY	ROAD WIDTH	LUMINAIRE	ARRANGEMENT	SPACING
HUNTER ST	PR5	16.5m	L14	SINGLE SIDE	54.3m
HUNTER ST (D'WAY)	PR6	16.5m	L14	SINGLE SIDE	68.1m
DONCASTER LN	PR5	7.0m	L14	SINGLE SIDE	58.7m

ROAD NAME	CATEGORY	AVG $\bar{E}_h$ (Lux)	MIN E_{Ph} (Lux)	MAX/AVG U_{E2}
HUNTER ST CURVE	PR5	3.83	0.45	2.46

LIMITING VALUES OF LIGHT TECHNICAL PARAMETERS:

LIGHTING CATEGORY	$\bar{E}_h$	E_{Ph}	U_{E2}	E_{Pv}
PR5	0.85	0.14	10	N/A
PR6	0.7	0.07	10	N/A

COMPUTER PROGRAM USED TO CALCULATE TECHNICAL PARAMETERS
PERFECT LITE V 3.10 (10/04/2013)
AGI32V 19.15 (13/03/2019)

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022
FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY

Justin Read
RPEQ SIGNATURE

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL
Approval no: DEV-2026-WAR-492
Date: 7/07/2026
Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 12.05.2026
Certification of design of PMT culvert to Energex Underground Distribution Construction Manual requirements
Note: civil design components are not certified; electrical reticulation (by Energex) is not certified

NORTH

-20 -10 0 10 20 30 40m
SCALE 1:500 (AT A1 SIZE)

FOR CONSTRUCTION

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CV SERVICES GROUP
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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
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		ENERGEX UG	0.9	PROPOSED LOTS:	352-372 & BALANCE
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		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
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FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

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ISSUE DATE:	03/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 2
CABOOLTURE RIVER RD, UPPER CABOOLTURE

STREETLIGHTING CERTIFICATION

SCALE : 1:500 @ A1

C10937-S2D-1

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Sheet 4 of 4

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Queensland Government

Approval no: DEV-2026-WAR-492

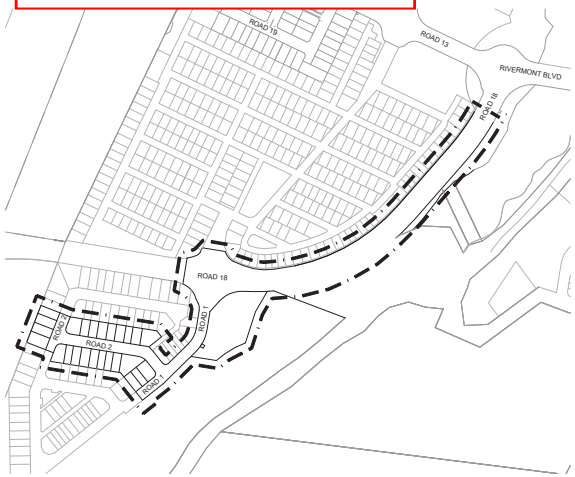
Date: 7/07/2026

RIVERMONT P2/P3 - STAGE 3

UPPER CABOOLTURE

I agree to the terms defined by the placement of my signature in this document
2026-05-07 09:32+10:00

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.



KEY MAP
N.T.S.

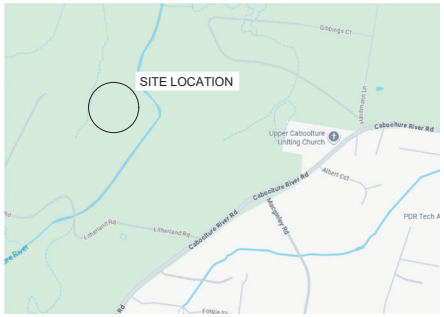
	DRAWING INDEX
1	OVERALL PLAN
2	WORKS PLAN
3	WORKS PLAN
4	PMT SITE DETAILS
5	EQUIPMENT SCHEDULE & MATERIAL LISTS
6	CIVIL SCHEDULES
7	UG CABLE & LIGHTING SCHEDULES
8	EXISTING & PROPOSED 11kV SCHEMATIC
9	EXISTING & PROPOSED LV SCHEMATIC
10	EXISTING & PROPOSED SL SCHEMATICS
11	STREETLIGHTING LAYOUT
12	STREETLIGHTING LAYOUT
13	STREETLIGHTING CERTIFICATION

UNDERGROUND SERVICES IDENTIFICATION

WORK CREWS WHO WILL BE EXCAVATING AT THIS SITE ARE ADVISED TO CONTACT THE 'DIAL BEFORE YOU DIG' SERVICE TO DETERMINE THE EXTENT OF EXISTING UNDERGROUND SERVICES AND THE REQUIREMENTS OF THE APPROPRIATE SERVICE PROVIDERS. IT IS THE RESPONSIBILITY OF THE WORKS CREWS TO HAVE ALL EXISTING SERVICES AFFECTED BY THESE WORKS LOCATED ON SITE TO AVOID ANY DAMAGE DURING EXCAVATION WORKS. WHERE SERVICES HAVE BEEN SHOWN ON THE PLAN, THESE LOCATIONS ARE INDICATIVE ONLY AND NO WARRANTY IS IMPLIED AS TO THEIR ACCURACY.

DIAL 1100 BEFORE YOU DIG

DIAL BEFORE YOU DIG SERVICE
PHONE - 1100
WEB - www.1100.com.au
YOUR REQUEST SHOULD BE FORWARDED 5 WORKING DAYS BEFORE PLANNED EXCAVATION DATE.



LOCALITY PLAN
N.T.S.

LEGEND

LINES

- Boundary of Works
- Electrical Overhead - Exist
- Electrical Overhead - New
- Electrical Overhead - Recover / Future
- Electrical Underground - Exist
- Electrical Underground - New
- Electrical Underground - Recover / Future
- Consumers Overhead - New
- Consumers Underground - New
- RP Boundary
- Easement Boundary
- Kerbline
- Railway
- Retaining Wall
- Sewer Main
- Sewer Rising Main
- Water Main
- Stormwater
- Rainwater
- Open Drain / Swale
- Gas
- Telecommunications
- Fence
- Zero-lot Boundary

SYMBOLS

- Electrical Pillar
- Link Pillar
- Commercial / Industrial Pillar
- Electrical Pit
- Underground Joint
- Pole - LV Only
- Pole - HV Only
- Pole - HV & LV
- Pole - HV, Future LV
- Pole - LV, Future HV
- Pole Transformer
- Pole Termination - LV Only
- Pole Termination - HV Only
- Pole Termination - HV & LV
- Earth Electrode
- Pole Stay - Ground / Sidewalk
- Pole Stay - Aerial
- Padmount Transformer
- Ring Main Unit
- Conduit - 50mm
- Conduit - 100mm
- Conduit - 125mm
- Conduit - Energex Communications
- Street Light - LED
- Street Light - High Pressure Sodium 70W
- Street Light - High Pressure Sodium 100W
- Street Light - High Pressure Sodium 150W
- Street Light - High Pressure Sodium 250W
- Street Light - High Pressure Sodium 400W
- Street Light - Mercury Vapour 50W
- Street Light - Mercury Vapour 80W
- Street Light with Aeroscreen
- LV Disconnection Links - Open
- LV Disconnection Links - Closed
- HV Switch - Open
- HV Switch - Closed
- Drop Out Fuses - Open
- Drop Out Fuses - Closed
- Station Number
- Remove
- Phasing
- Driveway

ENERGEX STANDARDS

THE CONTRACTOR IS TO READ THIS PLAN TOGETHER WITH ALL RELEVANT ENERGEX STANDARDS, TECHNICAL SPECIFICATIONS AND MANUALS. THESE DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO:

- UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL.
- OVERHEAD CONSTRUCTION MANUAL.
- OVERHEAD DESIGN MANUAL.
- NETWORK LABELLING AND SIGNAGE MANUAL.
- QLD PUBLIC LIGHTING CONSTRUCTION MANUAL.

CONSUMERS INSTALLATIONS SHALL COMPLY WITH AS/NZS 3000:2018 - SAA WIRING RULES.

FOR DETAILS OF TRENCH CROSS-SECTIONS, REFER TO ENERGEX UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL.

GENERAL NOTES

1. NO OTHER SERVICES TO ENCROACH INTO THE STANDARD UNDERGROUND ELECTRICITY CORRIDOR OF 0mm - 900mm FROM RP BOUNDARY. *(NOTE 0mm - 1000mm FROM BACK OF KERB FOR COMMUNITY TITLE DEVELOPMENTS).*
2. ALL CABLES TO BE INSTALLED IN CONDUIT WITHIN THE STANDARD ELECTRICITY ALIGNMENT ALLOCATED BY THE LOCAL COUNCIL. WHERE CONDUITS VARY FROM THIS AND AT ROAD CROSSINGS, PROTECTIVE STRIP IS TO BE INSTALLED. WHERE PRACTICAL ELECTRICITY CABLES SHALL NOT BE CLOSER THAN 250mm TO THE REAL PROPERTY BOUNDARY.
3. A, B OR C WHERE SHOWN BESIDE LV PILLARS DENOTES SERVICE PHASING.
4. THE CONTRACTOR SHALL MEASURE ACTUAL CABLE LENGTHS REQUIRED ON SITE AFTER INSTALLATION OF CONDUITS THEN NOTIFY ENERGEX/SUPPLIER WHEN CONFIRMING CABLE ORDER.
5. ALL BENDS INSTALLED ON 100mm AND 125mm RETICULATION CONDUITS MUST BE 1830mm RADIUS UNLESS OTHERWISE SPECIFIED.
6. CONTRACTOR TO SUPPLY ALL LABELS AND SITE ID NUMBERS TO ENERGEX SPECIFICATION.
7. WHEN CROSS ROAD CONDUIT FINISHES OPPOSITE A TRUNCATION PEG, PROPERTY SIDE OF TRENCH TO BE 300mm ALIGNMENT FROM RP.
8. CIVIL CONTRACTOR TO INSTALL ALL ROAD CROSSING CONDUITS.
9. ELECTRICAL CONTRACTOR TO INSTALL FOOTPATH CONDUITS.
10. CO-ORDINATE CONDUIT INSTALLATION WITH NBN CONTRACTORS.
11. ELECTRICITY PILLARS TO HAVE 600mm EXCLUSION ZONE FROM ALL OTHER SERVICES.
12. CIVIL CONTRACTOR TO INSTALL CONSUMER LEAD IN CONDUITS FOR ELECTRICAL AND NBN/ COMMS PRIOR TO CONSTRUCTION OF RETAINING WALLS INTO ROAD RESERVE IN ACCORDANCE WITH AS/NZS 3000:2018 AND OTHER AUTHORITY REQUIREMENTS.
13. ALL ELECTRICAL AND TELECOMMUNICATION INFRASTRUCTURE ADJACENT TO ZERO LOT BOUNDARIES ARE TO BE ALIGNED OR OFFSET FROM BOUNDARY LINE. IF THE PILLAR IS WITHIN 1M OF DRIVEWAY PROTECTIVE BOLLARDS ARE TO BE INSTALLED. STREETLIGHTS TO BE OFFSET 1M FROM BOUNDARY LINE CLEAR OF FUTURE DRIVEWAYS.
14. ENERGEX SUPPLY AGREEMENT AND AUTHORITY TO CONSTRUCT TO BE IN PLACE PRIOR TO STARTING WORKS ON ENERGEX NETWORK.
15. CONTRACTOR TO CONFIRM GAS REQUIREMENTS FOR THE DEVELOPMENT WHERE APPLICABLE.
16. ALL DIMENSIONS FOR LAYOUT DRAWINGS IN THIS WORKS PLAN ARE IN METERS UNLESS OTHER WISE SHOWN.

LOCATION OF UTILITIES

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL UNDERGROUND SERVICES PRIOR TO COMMENCING WORK AT THE SITE, AND IS RESPONSIBLE FOR THE REPAIR OF DAMAGE TO UNDERGROUND OR OVERHEAD UTILITY ASSETS, ARISING FROM THESE WORKS. CONTACT DIAL BEFORE YOU DIG.

PROPOSED COMMISSIONING PLAN

TENTATIVE ONLY - SUBJECT TO AMENDMENT BY ENERGEX OUTAGE CO-ORDINATOR

SIMPLE HV & LV x 1

11KV

- CHECK OPEN X12746825 IS18 & IS19 - ROAD 18
- PERFORM 11kV WORKS AS REQUIRED
- CLOSE X12746825 IS18 - ROAD 18
- CLOSE SC12798041 IS40 & IS42 - ROAD 1
- COMMISSION SC12798041 - ROAD 1

LV

- OPEN SC12746841 FS3 - ROAD 13
- CHECK OPEN LP12743766 - RIVERMONT BLVD
- PERFORM LV WORKS AS REQUIRED.
- OPEN LP12747435 - ROAD 18
- CLOSE LP12798062 - ROAD 2
- CLOSE SC12746841 FS3 - ROAD 13
- OPEN SC12798041 FS3 & FS4 - ROAD 1
- CLOSE SC12798041 FS1 & FS2 - ROAD 1

CIVIL CONTRACTOR NOTE

CIVIL CONTRACTOR TO ENSURE ALL CONDUITS ARE INSTALLED PRIOR TO CONSTRUCTION OF FOOTPATHS, DRIVEWAYS AND RETAINING WALLS (WHERE REQUIRED).

AS CONSTRUCTED CABLE CERTIFICATION

ALL CABLES DETAILED FOR INSTALLATION ON THIS DRAWING HAVE BEEN CHECKED USING THE CABLE LOCATOR DESCRIBED BELOW AND ARE ACCORDING TO MEASUREMENTS TAKEN ON THE CORRECT ALIGNMENT AND AT THE CORRECT DEPTHS BELOW THE FINISHED SURFACE LEVEL. ALIGNMENTS ARE SUBJECT TO THE ACCURACY OF THE SURVEY PEGS INSTALLED AT TIME OF LOCATION.

CABLE LOCATIONS CARRIED OUT BY: _____

CHECKER PHONE NUMBER: _____

LOCATION DATE: _____

LOCATOR MODEL: _____

LOCATOR SERIAL NO: _____

CALIBRATION DATE: _____

CHECKER SIGNATURE: _____

STREETLIGHTING CERTIFICATION

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022 FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY.
THE LIGHTING DESIGN IS BASED UPON THE FOLLOWING RECOMMENDED MAINTENANCE SCHEDULE:

- CLEANING & INSPECTION OF LUMINAIRE AT 48 MONTH INTERVALS INCLUDING P.E. CELL
- VEGETATION TO BE KEPT CLEAR OF LUMINAIRES
- INSPECTION PATROLS & SPOT LAMP REPLACEMENT TO MAINTAIN SERVICE AVAILABILITY AT MIN. 95%
- LUMINAIRES AND LAMPS TO BE REPLACED WITH EXACT EQUIVALENTS, WHERE THIS CANNOT OCCUR AN EQUIVALENT ALTERNATIVE SHOULD BE CHOSEN BY RESPECTIVE AUTHORITY

ROAD 18: CATEGORY V5
ROAD 1, ROAD 2: CATEGORY PR5

RPEQ SIGNATURE

Fire Ant Caution Biosecurity
For Info Call 13 25 23

REFERENCED DRAWINGS		
FILE NAME	COMPANY	DATE RECEIVED
x16-151_blake 251001.dwg		07/10/2025
C10937-S2D-1	CV SERVICES	03/11/2025

FOR CONSTRUCTION

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A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	25
		ENERGEX UG	0.9	PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
CHECKED:	L. WEST	
PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
PHONE:	0417 612 168	
ISSUE DATE:	27/11/2025	

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

OVERALL PLAN

SCALE : N/A @ A1

C10937-S3D-1

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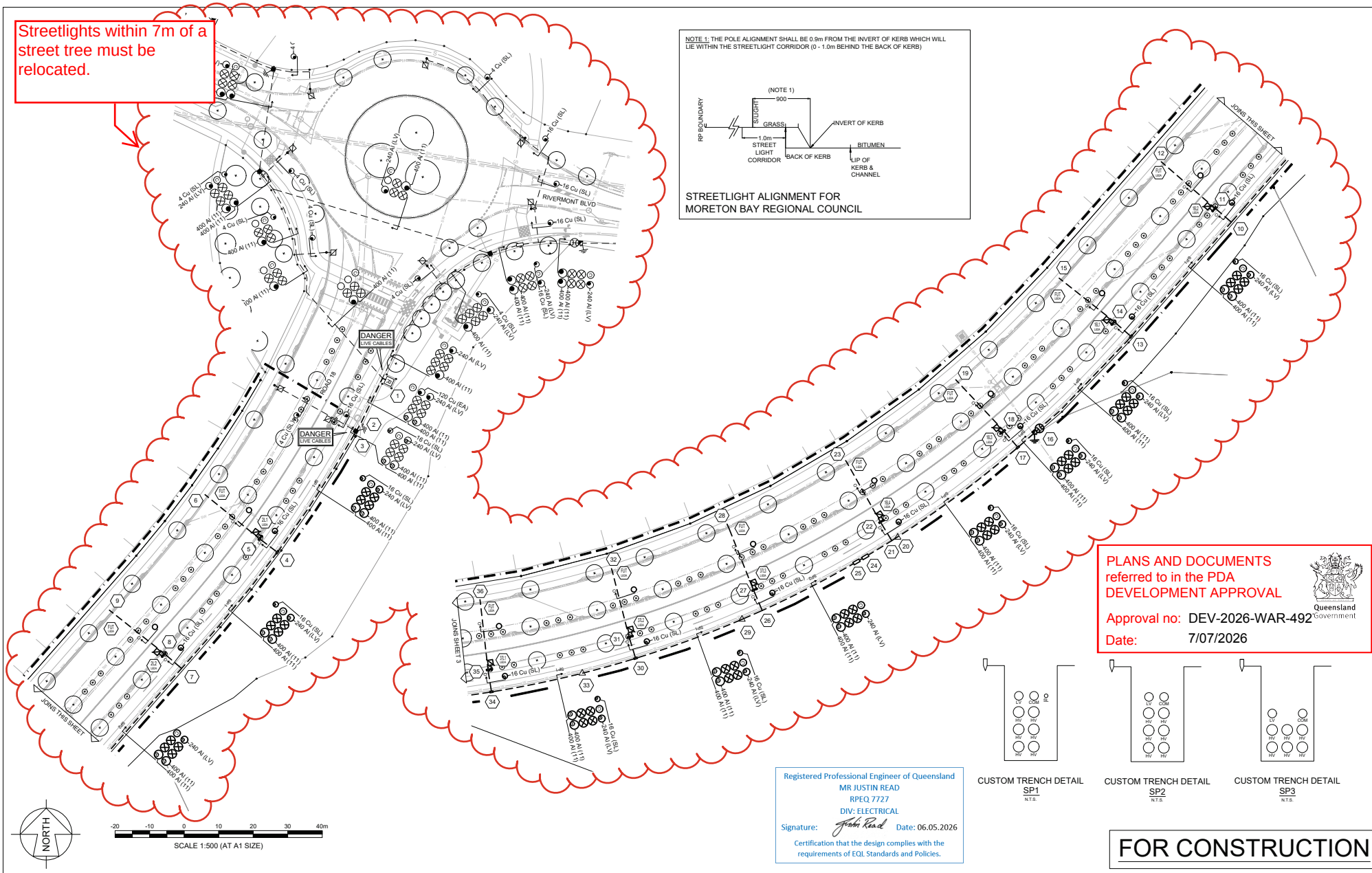
Sheet 1 of 13

Streetlights within 7m of a street tree must be relocated.



NOTE 1: THE POLE ALIGNMENT SHALL BE 0.9m FROM THE INVERT OF KERB WHICH WILL LIE WITHIN THE STREETLIGHT CORRIDOR (0 - 1.0m BEHIND THE BACK OF KERB)

STREETLIGHT ALIGNMENT FOR MORETON BAY REGIONAL COUNCIL

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Queensland Government

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

CUSTOM TRENCH DETAIL SP1 N.T.S.

CUSTOM TRENCH DETAIL SP2 N.T.S.

CUSTOM TRENCH DETAIL SP3 N.T.S.

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

FOR CONSTRUCTION

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MOBILE	-	GAS	DBYD	LOCAL AUTHORITY:	MBRC
FAX	-	HP GAS	DBYD	APPROVAL No:	TBA
EMAIL	-	WATER	DBYD	RPEQ:	
		STORMWATER	DBYD		
		SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

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ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

WORKS PLAN

SCALE : 1:500 @ A1

C10937-S3D-1

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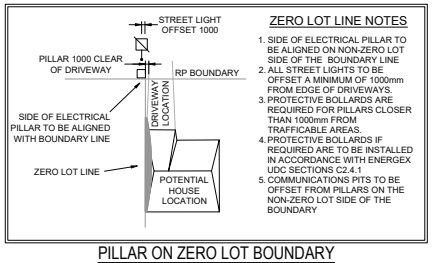
Sheet 2 of 13

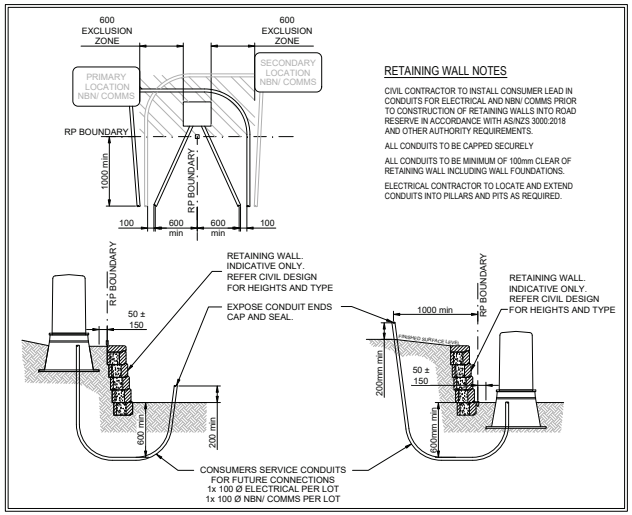


ZERO LOT LINE NOTES

1. SIDE OF ELECTRICAL PILLAR TO BE ALIGNED ON NON-ZERO LOT SIDE OF THE BOUNDARY LINE
2. ALL STREET LIGHTS TO BE OFFSET A MINIMUM OF 1000mm FROM EDGE OF DRIVEWAYS.
3. PROTECTIVE BOLLARDS ARE REQUIRED FOR PILLARS CLOSER THAN 1000mm FROM TRAFFICABLE AREAS.
4. PROTECTIVE BOLLARDS IF REQUIRED ARE TO BE INSTALLED IN ACCORDANCE WITH ENERGEX UDC SECTIONS C2.4.1
5. COMMUNICATIONS PITS TO BE OFFSET FROM PILLARS ON THE NON-ZERO LOT SIDE OF THE BOUNDARY

PILLAR ON ZERO LOT BOUNDARY

NOT TO SCALE



RETAINING WALL NOTES

CIVIL CONTRACTOR TO INSTALL CONSUMER LEAD IN CONDUITS FOR ELECTRICAL AND NBN/ COMMS PRIOR TO CONSTRUCTION OF RETAINING WALLS INTO ROAD RESERVE IN ACCORDANCE WITH AS/NZS 3000:2018 AND OTHER AUTHORITY REQUIREMENTS.

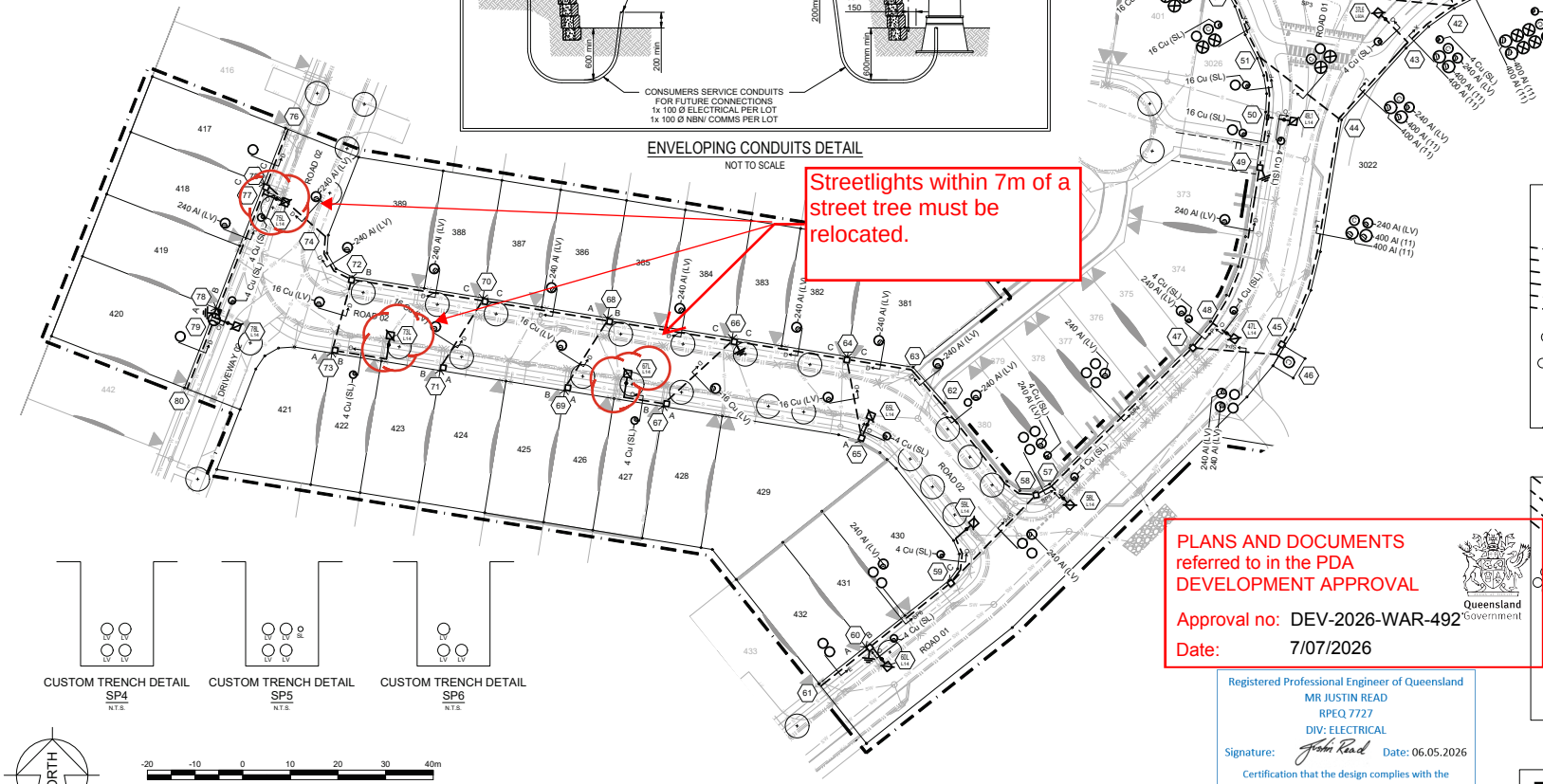
ALL CONDUITS TO BE CAPPED SECURELY

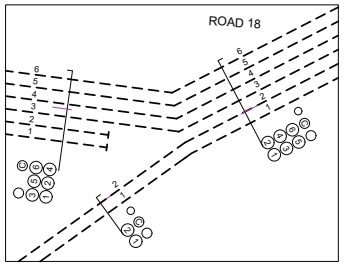
ALL CONDUITS TO BE MINIMUM OF 100mm CLEAR OF RETAINING WALL INCLUDING WALL FOUNDATIONS.

ELECTRICAL CONTRACTOR TO LOCATE AND EXTEND CONDUITS INTO PILLARS AND PITS AS REQUIRED.

ENVELOPING CONDUITS DETAIL

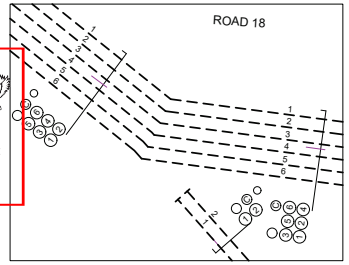
NOT TO SCALE





11kV CONDUIT CONFIGURATION -A-

N.T.S.



11kV CONDUIT CONFIGURATION -B-

CUSTOM TRENCH DETAIL SP4 N.T.S.

CUSTOM TRENCH DETAIL SP5 N.T.S.

CUSTOM TRENCH DETAIL SP6 N.T.S.

NORTH

-20 -10 0 10 20 30 40m

SCALE 1:500 (AT A1 SIZE)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
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ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

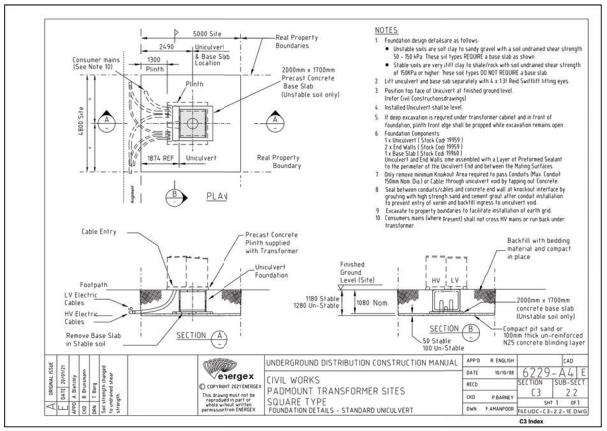
WORKS PLAN

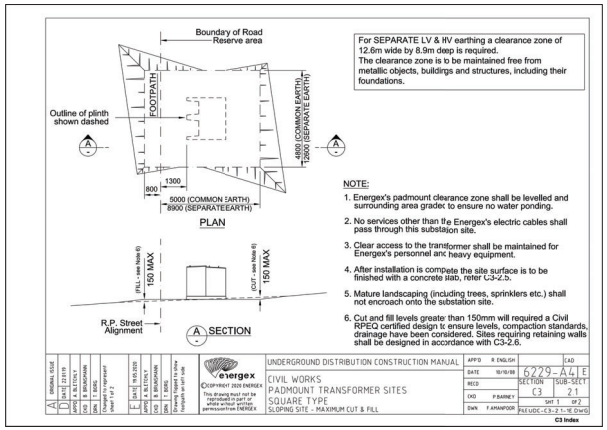
SCALE : 1:500 @ A1

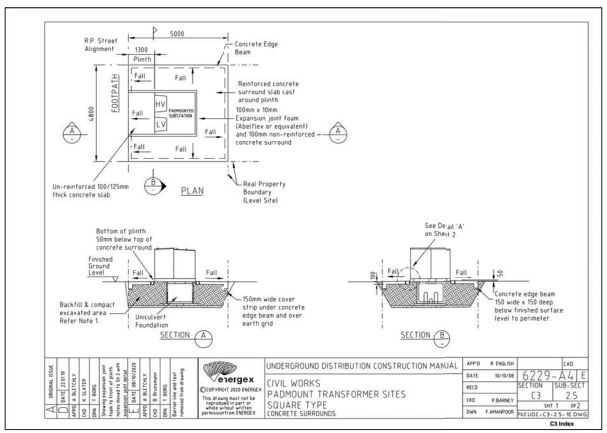
C10937-S3D-1

S4901067 A

Sheet 3 of 13



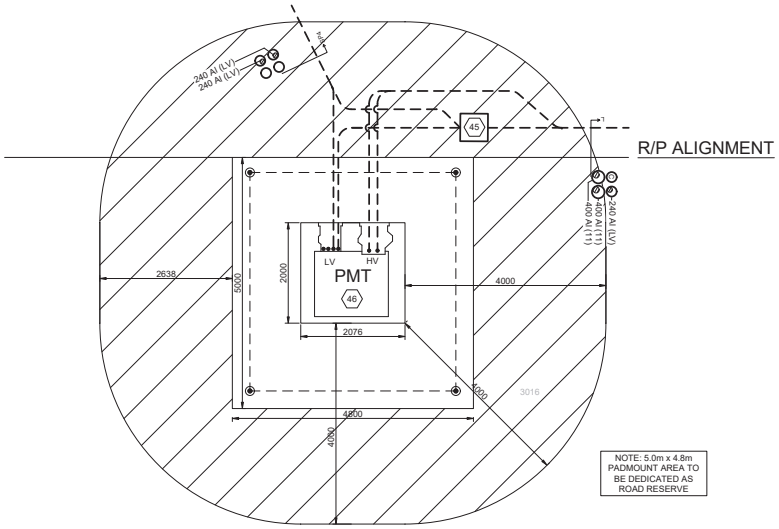




VERGE/ FOOTPATH
FRONT OF SITE

ROAD 1

ROAD 1



PROPOSED PADMOUNT TRANSFORMER
SITE DETAIL

NOTE: 5.0m x 4.8m
PADMOUNT AREA TO
BE DEDICATED AS
ROAD RESERVE

DWELLING EXCLUSION ZONE

PADMOUNT TRANSFORMER SITE NOTES.

- PADMOUNT SITES ARE TO BE CONSTRUCTED TO ENERGEX REQUIREMENTS AS SET OUT IN ENERGEX STANDARD DRAWINGS - UDCM C3 - PADMOUNT TRANSFORMER SITE
- RETAINING WALLS SHALL BE INSTALLED WHERE A CHANGE IN GROUND LEVEL OF 300mm OR MORE OCCURS WITHIN 2000mm OF THE SUBSTATION CLEARANCE ZONE. FENCES SHALL BE INSTALLED FOR:
  - RESIDENTIAL AREAS (TYPICALLY 1200mm HIGH)
  - SLOPING SITES (EITHER FRONT TO BACK OR LEFT-RIGHT).
- FENCES AND RETAINING WALLS SHALL BE CONSTRUCTED TO ENERGEX STANDARDS TO SATISFY MINIMUM CLEARANCE ZONES OF COMMON EARTH CONFIGURATIONS. REFER TO SECTION C3-1 FOR RETAINING WALL CONSTRUCTION NOTES. ALTERNATIVE DESIGNS TO THOSE PROVIDED IN THIS MANUAL WILL REQUIRE A CIVIL ENGINEER'S CERTIFICATION.
- SAFETY FENCES SHALL COMPLY WITH THE REQUIREMENTS OF THE WORKPLACE HEALTH AND SAFETY ACT, AS1657 AND AS1926 AND ALL AMENDMENTS.
- METAL RETAINING WALL FENCES SHALL BE USED IN CMEN AREAS. (REFER UDCM C3.1 SHEET 6)
- ALL RETAINING WALLS AND SAFETY FENCING ON PRIVATE PROPERTY SHALL BE MAINTAINED BY THE OWNER AT NO COST TO ENERGEX.
- ALL FENCING MATERIALS SHALL BE GALVANISED OR FINISHED IN AN EQUALLY DURABLE MANNER.
- ALL CHAINWIRE AND SUPPORT WIRES SHALL BE PVC COATED AND COLOURED BLACK OR GREEN.
- ALL ELEVATED AREAS SHALL BE PROVIDED WITH TOE BOARDS AND INFILL TYPE FENCING.
- BUILDING EXCLUSION ZONE - MAINTAIN 4m MINIMUM FROM EDGE OF PERMISSIBLE RESIDENTIAL DWELLING CONSTRUCTION AREA (BUILDING ENVELOPE) TO EDGE OF PADMOUNT SUBSTATION ENCLOSURE - AS PER UDCM C3.1 REQUIREMENTS
- SITE ACCESS TO PADMOUNT SITE - 4m WIDE x 5.0m HIGH. TO SUIT FRANNA T25 CRANE OR FLATBED TRUCK. ACCESS TRACK TO SUPPORT CRANE WITH AXLE LOADS UP TO 10 TONNE.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

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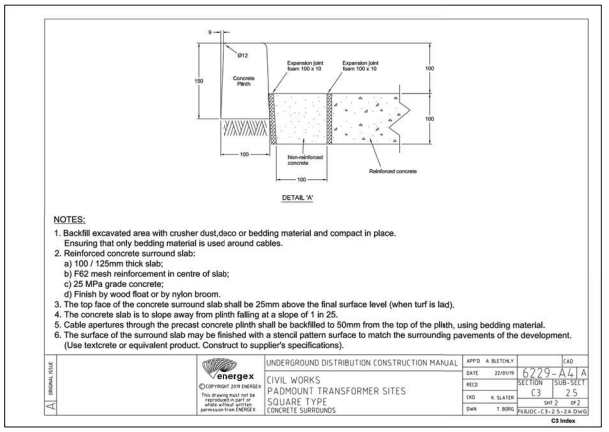
Queensland Government



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ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

PMT SITE DETAILS

SCALE : 1:50 @ A1

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Sheet 4 of 13

EQUIPMENT SCHEDULE

LOCATION	STN No.	ENERGEX SITE I.D	EX	REC	INSTALL	MODEL DESCRIPTION	IIN	COMP I.D	PLANT No.	MODEL I.D	QTY	LCC	REMARKS
VARIOUS LOCATIONS						32A HRC FUSE LINK CARTRIDGE FOR SL				ASSY801-1	16		
RIVERMONT BOULEVARD	1	X 12746825	X			SAFELINK 2 CCCC OD 4 WAY SWITCH UNIT					1		
					X	11KV CFC S/G TERM 400 AL TRIPLEX				1CFC40XLG	2		
ROAD 18	2	U 12746827	X			ELECT PILLAR (4C) 1WAY 240,6 X 100AMP					1		
			X			MEN EARTHS URD EXTENTIONS(NORMAL POINT)					1		
					X	URD SERVICE PILLAR LUGSET 240MM 4C CABLE				LVSPL240	1		
	4	U 12747429			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	5	U 12747430			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	8	U 12747431			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	11	U 12747432			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	13	U 12747433			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	14	U 12747434			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	16	LP 12747435			X	LV LINK PILLAR 2 WAY 240-240 AL				LVSP14-6	1		
					X	MEN LINK PILLAR EARTHING				1037-1	1		
					X	REFLECTIVE YELLOW LABEL 150X50MM				SC0017319	1		
	17	U 12747436			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	18	U 12747437			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	20				X	CABLE MARKER PLATE				1350-2	1		
	22	U 12747438			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	24	U 12747439			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
	25	U 12747440			X	11KV JNT 400AL-XLPE 185-240CU/240-400AL				2JTA40TCAV7D	1		
					X	JOINT PROTECTION				CIVJTPROT	1		
	27	U 12747441			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	29				X	CABLE MARKER PLATE				1350-2	1		
	30	U 12747442			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	31	U 12747443			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	33				X	CABLE MARKER PLATE				1350-2	1		
	34	U 12747444			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	35	U 12747445			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	37	U 12747446			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	38	U 12798037			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	39	U 12798038			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	41	U 12798039			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
ROAD 01	45	U 12798040			X	ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A				LVSP9-6	1		
	46	SC 12798041			X	PMT SQ 500KVA 11KV/433V ABB CFC, JM LVB				S2475044	1		
					X	HV FUSE SAFELINK500KVA PMT TFMR AIR/TEMP				DSHVF5SLK	1		
					X	11KV CFC S/G TERM 400 AL TRIPLEX				1CFC40XLG	2		
					X	LV PMT TERM/CIRC 240SQMM 4C XLPE CABLE				LVPT4C240	2		
					X	LV FUSE LINK 315A FOR ABB LV BD				DSLVF31	2		
					X	SQ PADMOUNT COMMON EARTHING MODELS				DSSQPMCEG	1		
					X	CULVERT BOX				SC0019959	1		
					X	CONCRETE,PRECAST FOUNDATION;1700MMLG				SC0019960	1		
	47	U 12798042			X	ELECT PILLAR 4C 2WAY 240, 6X100A+SL				LVSP4-6SL	1		FUTURE 3-WAY
					X	PHASE BAR FOR 3 WAY URD SERVICE PILLAR				SC0006508	4		
	49	U 12798043			X	ELECT PILLAR (4C) 1WAY 240,6 X 100AMP				LVSP2-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	50	U 12798044			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
ROAD 18	52	U 12798045			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	55	U 12798046			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
	56	U 12798047			X	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING				SUGSLLPIT4	1		
ROAD 01	58	U 12798048			X	ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A				LVSP9-6	1		
	59	U 12798049			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	60	U 12798050			X	ELECT PILLAR (4C) 1WAY240,6X100A+SL				LVSP2-6SL	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
ROAD 02	64	U 12798051			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	65	U 12798052			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP				LVSP12-6	1		
	66	U 12798053			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
					X	MEN EARTHS URD EXTENTIONS(NORMAL POINT)				LV4CMEN	1		
	67	U 12798054			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100+SL				LVSP12-6SL	1		
	68	U 12798055			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	69	U 12798056			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP				LVSP12-6	1		
	70	U 12798057			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	71	U 12798058			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP				LVSP12-6	1		
	72	U 12798059			X	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP				LVSP4-6	1		
	73	U 12798060			X	ELECT PILLAR CROSS ROAD 16SQMM 6X100+SL				LVSP12-6SL	1		
	75	U 12798061			X	ELECT PILLAR 4C 2WAY 240, 6X100A+SL				LVSP4-6SL	1		FUTURE 3-WAY
					X	PHASE BAR FOR 3 WAY URD SERVICE PILLAR				SC0006508	4		
	78	LP 12798062			X	LV LINK PILLAR 2 WAY 240-240 AL + SL				LVSP14-6SL	1		
					X	MEN LINK PILLAR EARTHING				1037-1	1		
					X	REFLECTIVE YELLOW LABEL 150X50MM				SC0017319	1		

Underground Developer - UGD -

Model I.D/ C.U Listing	Qty	Description
11AT400XSH	1250	11KV CABLE AL TRIPLEX 400 TRXL/ M (NIL PICK)
1CFC40XLG	4	11KV CFC S/G TERM 400 AL TRIPLEX
LVSPL240	1	URD SERVICE PILLAR LUGSET 240MM 4C CABLE
SUGSLLPIT4	21	SUGSLL/PIT4SERVICESMAJ/MINRDLOOPING
LVSP14-6	1	LV LINK PILLAR 2 WAY 240-240 AL
1037-1	2	MEN LINK PILLAR EARTHING
SC0017319	2	REFLECTIVE YELLOW LABEL 150X50MM
1350-2	3	CABLE MARKER PLATE
2JTA40TCAV7D	2	11KV JNT 400AL-XLPE 185-240CU/240-400AL
CIVJTPROT	2	CONCRETE JOINT PROTECTION SLAB
LVSP4-6	7	ELECT PILLAR 4C 2 WAY 240, 6 X 100AMP
LV4CMEN	4	MEN EARTHS URD EXTENTIONS(NORMAL POINT)
LVSP9-6	2	ELECT PILLAR 4C 3 WAY 3X240, 6 X 100 A
S2475044	1	PMT SQ 500KVA 11KV/433V ABB CFC, JM LVB
DSHVF5SLK	1	HV FUSE SAFELINK500KVA PMT TFMR AIR/TEMP
LVPT4C240	2	LV PMT TERM/CIRC 240SQMM 4C XLPE CABLE
DSLVF31	2	LV FUSE LINK 315A FOR ABB LV BD
DSSQPMCEG	1	SQ PADMOUNT COMMON EARTHING MODELS
SC0019959	1	CULVERT BOX
SC0019960	1	CONCRETE,PRECAST FOUNDATION;1700MMLG
LVSP4-6SL	2	ELECT PILLAR 4C 2WAY 240, 6X100A+SL
SC0006508	8	PHASE BAR FOR 3 WAY URD SERVICE PILLAR
LVSP2-6	1	ELECT PILLAR (4C) 1WAY 240,6 X 100AMP
LVSP2-6SL	1	ELECT PILLAR (4C) 1WAY240,6X100A+SL
ASSY801-1	15	32A HRC FUSE LINK CARTRIDGE FOR SL
LVSP12-6	3	ELECT PILLAR CROSS ROAD 16SQMM 6X100AMP
LVSP12-6SL	2	ELECT PILLAR CROSS ROAD 16SQMM 6X100+SL
LVSP14-6SL	1	LV LINK PILLAR 2 WAY 240-240 AL + SL
LVA4240XPV	1028	LV CABLE AL 4C 240 XLPE-PVC /M
LVC416XPV	97	LV CABLE CU 4C 16 XLPE-PVC /M

Streetlight Developer - SLD -

Model I.D/ C.U Listing	Qty	Description
LVC216PVPV	627	LV CABLE CU 2C 16 PVC-PVC /M
LVC24PVPV	317	LV CABLE CU 2C 4 SQMM PVC-PVC /M
SB105130UCI1	16	SLBPM/105/130/UGCI1STREETLIGHTPOLEBPM
SLNOS3CI	10	SLNOS3CISTREETLIGHTPOLE,NOSTALGIA
SLEDPH0622A	16	PHILIPS ROADFLAIR L60A 60W AERO IP67 4K
SLEDSY01372	10	AVENUE II L14 14W 4K NOS TYPE 1 BLACK

Energex Supplied Materials Underground - ESM-UG -

Model I.D/ C.U Listing	Qty	Description
11AT400XSH	1250	11KV CABLE AL TRIPLEX 400 TRXL/ M

Total Trench Length (m) - 1677

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	27/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	27/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

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SITE CONTACT DETAILS	
NAME	-
COMPANY	-
PHONE	-
MOBILE	-
FAX	-
EMAIL	-

ALIGNMENTS		
ENERGEX OH	3.0	
ENERGEX UG	0.9	
TELSTRA	DBYD	
GAS	DBYD	
HP GAS	DBYD	
WATER	DBYD	
STORMWATER	DBYD	
SEWERAGE	DBYD	
OTHER	DBYD	

PROPERTY DESCRIPTION	
NUMBER OF LOTS:	25
PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
CANCELLING LOTS:	TBA
LOCAL AUTHORITY:	MBRC
APPROVAL No:	TBA
RPEQ:	
JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	27/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3
CABOOLTURE RIVER RD, UPPER CABOOLTURE

EQUIPMENT SCHEDULE & MATERIAL LISTS

SCALE : N/A @ A1

C10937-S3D-1

S4901067 A

Sheet 5 of 13

URD CIVIL WORKS SCHEDULE - FOOTPATHS

LOCATION	STATION FROM - TO	CONDUIT LENGTH 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	BENDS (°) 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	X-SECTION (m) EXCAV / TAPE	TRENCH DETAIL	PVC STRIP	DRAW WIRE	KERB MARK	REMARKS
FOOTPATHS - TRENCHING AND MATERIAL SUPPLIED BY ELECTRICAL CONTRACTOR																							
ROAD 18	3 - 7	86	1	86	1	86	6	86	1									86	SP1		810		SL CONDUIT VIA STN 4.
	4 - 2L1	8	1															8	O	8	12		VIA STN 5.
	7 - 2L2	8	1															8	O	8	12		VIA STN 8.
	7 - 10			56	1	56	6	56	1									56	SP2		480		
	10 - 16L2	8	1															8	O	8	12		VIA STN 11.
	10 - 21	136	1	136	1	136	6	136	1									136	SP1	57	1260		SL CONDUIT VIA STNS 13, 16, & 17. LV CONDUIT VIA STN 16.
	13 - 16L1	8	1															8	O	8	12		VIA STN 14.
	17 - 16L3	8	1															8	O	8	12		VIA STN 18.
	21 - 16L4	8	1															8	O	8	12		VIA STN 22.
	21 - 26			43	1	43	6	43	1									43	SP2	43	376		
	26 - 37L3	8	1															8	O	8	12		VIA STN 27.
	26 - 42	178	1	178	1	178	6	178	1									178	SP1	99	1638		SL CONDUIT VIA STNS 30, 34, 37, 38 & 41. LV CONDUIT VIA STN 37.
	30 - 37L2	8	1															8	O	8	12		VIA STN 31.
	34 - 37L1	8	1															8	O	8	12		VIA STN 35.
	38 - 37L4	8	1															8	O	8	12		VIA STN 39.
	41 - 37L5	8	1															8	O	8	12		
	42 - 43	12	1	12	1	12	2	12	1									12	X		80		
ROAD 01	43 - 37L6	7	1															7	O	7	11		
	43 - 45			79	1	79	2	79	1									79	L		332		
	47 - 48	7	1	7	1													7	P		22		
	47 - 57			42	4													42	SP4		184		
	47L - 48	3	1															3	O	3	7		
	48 - 49			34	1													34	D		38		
	49 - 50	11	1	11	1													11	P		30		
	49L1 - 50	3	1															3	O	3	7		
	50 - 51	13	1	13	1													13	P		34		
	51 - 52	17	1	17	1	17	2	17	1									17	X		105		
	49L2 - 52	6	1															6	O	6	10		
ROAD 18	52 - 53	5	1	5	1	5	6	5	1									5	SP1		81		
	53 - 54			15	1	15	6	15	1									15	SP2		152		
	55 - 49L3	1	1															1	O	1	5		
	55 - 49L5	73	1															73	O	73	77		VIA STN 56.
	56 - 49L4	1	1															1	O	1	5		
ROAD 01	57 - 58	3	1	3	4													3	SP5		35		
	57 - 58L	3	1															3	O	3	7		
	58 - 62	29	1	29	1													29	P		66		
	59 - 59L	13	1															13	O	3	17		
	59 - 60			22	3													22	SP6		78		
	60 - 60L	3	1															3	O	3	7		
	60 - 61			13	2													13	E		21		
ROAD 02	63 - 74			131	1													131	D		135		VIA STNS 64, 66, 68, 70 & 72.
	65 - 65L	3	1															3	O	3	7		
	67 - 67L	12	1															12	O	3	16		
	73 - 73L	14	1															14	O	3	18		
	75 - 76			13	1													13	D		17		
	75 - 77	2	1	2	1													2	P		12		
	75L - 77	3	1															3	O	3	7		
	77 - 78			25	1													25	D		29		
	78 - 79	2	1	2	1													2	P		12		
DRIVEWAY 02	78L - 79	3	1															3	O	3	7		
	79 - 80			17	1													17	D		21		
TOTAL		737		1183		3330		627		ALL BENDS TO BE SUPPLIED BY THE ELECTRICAL CONTRACTOR								1227		405	6388		

NOTE- ALL CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE CURRENT ENERGEX "UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL"

URD CIVIL WORKS SCHEDULE - ROADWAY - CIVIL CONTRACTOR TO INSTALL

LOCATION	STATION FROM - TO	CONDUIT LENGTH 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	BENDS (°) - ELECTRICAL CONTRACTOR TO INSTALL 50mm	No.	100mm	No.	125mm	No.	100mm COMS	No.	X-SECTION (m) EXCAV / TAPE	TRENCH DETAIL	PVC STRIP	DRAW WIRE	KERB MARK	REMARKS
ROAD 18	5 - 6	20	1															20	O	20	24	2	
	8 - 9	20	1															20	O	20	24	2	
	11 - 12	20	1															20	O	20	24	2	
	14 - 15	20	1															20	O	20	24	2	
	18 - 19	20	1															20	O	20	24	2	
	22 - 23	20	1															20	O	20	24	2	
	27 - 28	20	1															20	O	20	24	2	
	31 - 32	20	1															20	O	20	24	2	
	35 - 36	20	1															20	O	20	24	2	
	39 - 40	20	1															20	O	20	24	2	
	42 - 52			48	1	48	6	48	1									48	SP3	48	416	2	
ROAD 01	44 - 51			21	1	21	2	21	1									21	L	21	100	2	
	46 - 47			17	4													17	SP4	17	84	2	
ROAD 18	53 - 55	32	1															32	O	32	36	2	
ROAD 01	58 - 59			25	3													25	SP6	25	87	2	
ROAD 02	62 - 63			10	1													10	D	10	14	2	
	64 - 65			16	1													16	D	16	20	2	
	66 - 67			19	1													19	D	19	23	2	
	68 - 69			16	1													16	D	16	20	2	
	70 - 71			16	1													16	D	16	20	2	
	72 - 73			14	1													14	D	14	18	2	
	74 - 75			16	1													16	D	16	20	2	
TOTAL		232		319		330		69		ALL BENDS TO BE SUPPLIED BY THE ELECTRICAL CONTRACTOR								450		450	1098	44	

NOTE- ALL CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE CURRENT ENERGEX "UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL"

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Queensland Government

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	27/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	27/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	25
-		ENERGEX UG	0.9	PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
COMPANY		TELSTRA	DBYD		
-		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
CHECKED:	L. WEST	
PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
PHONE:	0417 612 168	
ISSUE DATE:	27/11/2025	

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

CIVIL SCHEDULES

SCALE : N/A @ A1

C10937-S3D-1

S4901067 A

Sheet 6 of 13

UNDERGROUND CABLE SCHEDULE

LOCATION	STATIONS FROM - TO	VOLTS	EX	TRF	REC	INSTALL	CABLE SIZE/ TYPE	MODEL I.D	ROUTE LENGTH (m)	CABLE LENGTH (m)		LCC	REMARKS
										NEW	REC		
RIVERMONT BOULEVARD	1 - 46	11kV				X	400mm² Al 3C TRIPLEX (m)	11AT400XSH	617	625			VIA JOINT AT STN 24.
		11kV				X	400mm² Al 3C TRIPLEX (m)	11AT400XSH	617	625			VIA JOINT AT STN 25.
ROAD 18	2 - 8	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	92	101			VIA STN 4.
	2 - 16	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	225	228			
	4 - 5	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	7	11			
	5 - 2L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	8 - 2L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	10 - 11	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	7	11			
	10 - 16	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	84	91			VIA STN 13.
	11 - 16L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	13 - 14	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	7	11			
	14 - 16L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	16 - 22	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	59	66			VIA STN 17.
	16 - 46	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	360	371			VIA STNS 37 & 45.
	17 - 18	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	7	11			
	18 - 16L3	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	22 - 16L4	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	27 - 37	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	121	130			VIA STNS 30 & 34.
	27 - 37L3	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	30 - 31	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	7	11			
	31 - 37L2	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	34 - 35	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	7	11			
	35 - 37L1	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	37 - 41	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	45	52			VIA STN 38.
	38 - 39	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	7	11			
	39 - 37L4	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	41 - 37L5	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	11	16			
	41 - 37L6	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	37	42			
ROAD 01	45 - 49	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	62	68			VIA STN 47.
	46 - 60	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	114	125			VIA STNS 58 & 59.
	47 - 47L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	10	15			
	49 - 56	SL				X	16mm² Cu 2C PVC-PVC (m)	LVC216PVPV	99	110			VIA STNS 50, 52 & 55.
	49L1 - 50	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	3	8			
ROAD 18	49L2 - 52	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	7	12			
	49L3 - 55	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	49L4 - 56	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	1	6			
	49L5 - 56	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	45	50			
ROAD 01	58 - 58L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	7	12			
	58 - 78	LV				X	240mm² Al 4C XLPE (m)	LVA4240XPV	215	236			VIA STNS 64, 66, 68, 70, 72 & 75.
	59 - 59L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	13	18			
	60 - 60L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	3	8			
ROAD 02	64 - 65	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	16	19			
	65 - 65L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	3	8			
	66 - 67	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	19	22			
	67 - 67L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	12	17			
	68 - 69	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	16	19			
	70 - 71	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	16	19			
	72 - 73	LV				X	16mm² Cu 4C XLPE (m)	LVC416XPV	15	18			
	73 - 73L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	14	19			
	75 - 75L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	5	10			
DRIVEWAY 02	78 - 78L	SL				X	4mm² Cu 2C PVC-PVC (m)	LVC24PVPV	5	10			

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Queensland Government

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

RATE 2 LIGHTING SCHEDULE

LOCATION	STN No.	SITE I.D (POLE No.)	POLE or COMPONENTS						LUMINAIRE								OUTREACH BRACKET				MOUNTING HEIGHT (m)	REMARKS
			COMP I.D	EXIST (m)	REC (m)	ERECT (m)	C.U LISTING/ MODEL No	ALIGN. (m)	COMP I.D	EXIST	REC. LUMIN	REC. CUST	DATE DE-ENERGISED	ERECT LUMIN	ERECT CUST	DATE ENERGISED	C.U LISTING / MODEL No.	EXIST	REC.	ERECT	C.U LISTING/ MODEL No.		
ROAD 18	2L1	P 12798064	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	2L2	P 12798065	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	16L1	P 12798066	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	16L2	P 12798067	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	16L3	P 12798068	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	16L4	P 12798069	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	37L1	P 12798070	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	37L2	P 12798071	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	37L3	P 12798072	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	37L4	P 12798073	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	37L5	P 12798074	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
ROAD 01	37L6	P 12798075	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	47L	P 12798076	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	49L1	P 12798077	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
ROAD 18	49L2	P 12798078	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	49L3	P 12798079	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	49L4	P 12798080	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
	49L5	P 12798081	PO1			8.5 BPM	SB105130UCI1	0.9 IOK	SL1					L60A-L2	MBAY		SLEDPH0622A			3.0		10.5	**POWDERCOAT BLACK**
ROAD 01	58L	P 12798082	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	59L	P 12798083	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	60L	P 12798084	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
ROAD 02	65L	P 12798085	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	67L	P 12798086	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	73L	P 12798087	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	75L	P 12798088	PO1			4.5 BPM	SLNOS3CI	0.9 IOK	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1
	78L	P 12798089	PO1			4.5 BPM	SLNOS3CI	1.0 DWY	SL1					L14-L2	MBAY		SLEDSY01372					5.1	BLACK NOSTALGIA TYPE 1

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	27/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	27/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
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SITE CONTACT DETAILS	
NAME	-
COMPANY	-
PHONE	-
MOBILE	-
FAX	-
EMAIL	-

ALIGNMENTS		
ENERGEX OH	3.0	
ENERGEX UG	0.9	
TELSTRA	DBYD	
GAS	DBYD	
HP GAS	DBYD	
WATER	DBYD	
STORMWATER	DBYD	
SEWERAGE	DBYD	
OTHER	DBYD	

PROPERTY DESCRIPTION	
NUMBER OF LOTS:	25
PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
CANCELLING LOTS:	TBA
LOCAL AUTHORITY:	MBRC
APPROVAL No:	TBA
RPEQ:	
JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	27/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

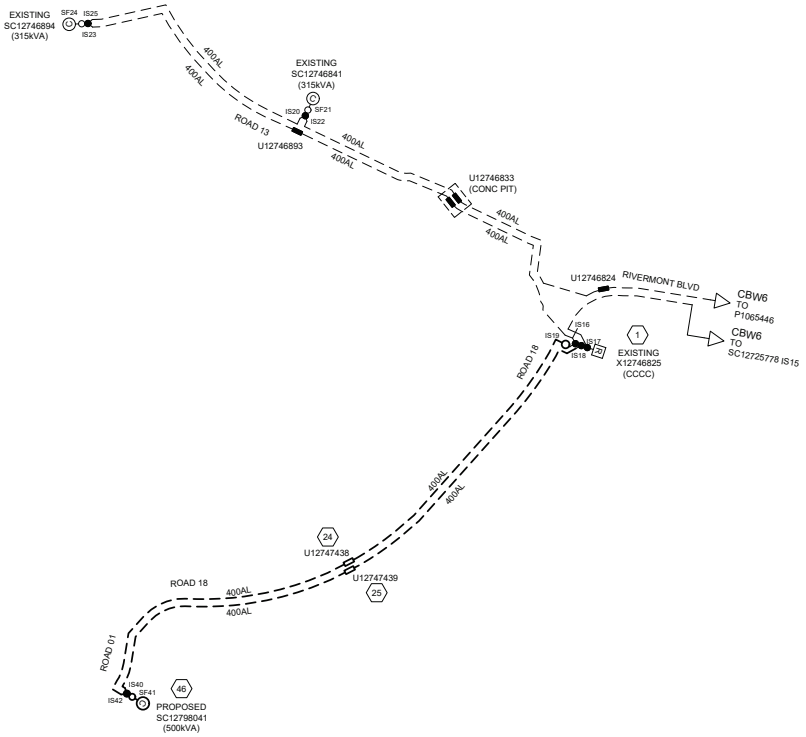
UG CABLE & LIGHTING SCHEDULES

SCALE : N/A @ A1

C10937-S3D-1

S4901067 A

Sheet 7 of 13



EXISTING & PROPOSED 11kV SCHEMATIC

SCALE 1:2500 @ A1

FEEDER: CBW6

Site ID: X12746825 Location: RIVERMONT BOULEVARD Stn No: 1

LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION				LABEL LOCATION	LABEL DESCRIPTION
150x40	WB	20					FRONT	RMU IDENTIFICATION
100x40	WB	15	IS16	IS17	IS18	IS19	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x40	BW	20					FRONT	FEEDER IDENTIFICATION
150x50	BW	10	[EXISTING]	[EXISTING]	TO ROAD 1 SC12798041 IS40	TO ROAD 1 SC12798041 IS42	CABLE BOX	CABLE DESTINATION
150x50	BW	10	[EXISTING]	[EXISTING]	TO ROAD 1 SC12798041 IS40	TO ROAD 1 SC12798041 IS42	INSIDE SIDE WALL	CABLE DESTINATION
			EXISTING	EXISTING	NEW	NEW		

Site ID: SC12798041 Location: ROAD 1 Stn No: 46

LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION			LABEL LOCATION	LABEL DESCRIPTION
150x40	WB	20				FRONT	RMU IDENTIFICATION
100x40	WB	15	IS40	SF41	IS42	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x40	BW	20				FRONT	FEEDER IDENTIFICATION
150x50	BW	10	TO RIVERMONT BLVD X12746825 IS18	TO TRANSFORMER	TO RIVERMONT BLVD X12746825 IS19	CABLE BOX	CABLE DESTINATION
150x50	BW	10	TO RIVERMONT BLVD X12746825 IS18	TO TRANSFORMER	TO RIVERMONT BLVD X12746825 IS19	INSIDE SIDE WALL	CABLE DESTINATION
			NEW	NEW	NEW		

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

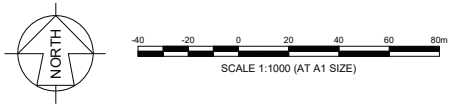
Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

FOR CONSTRUCTION



REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	27/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	27/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
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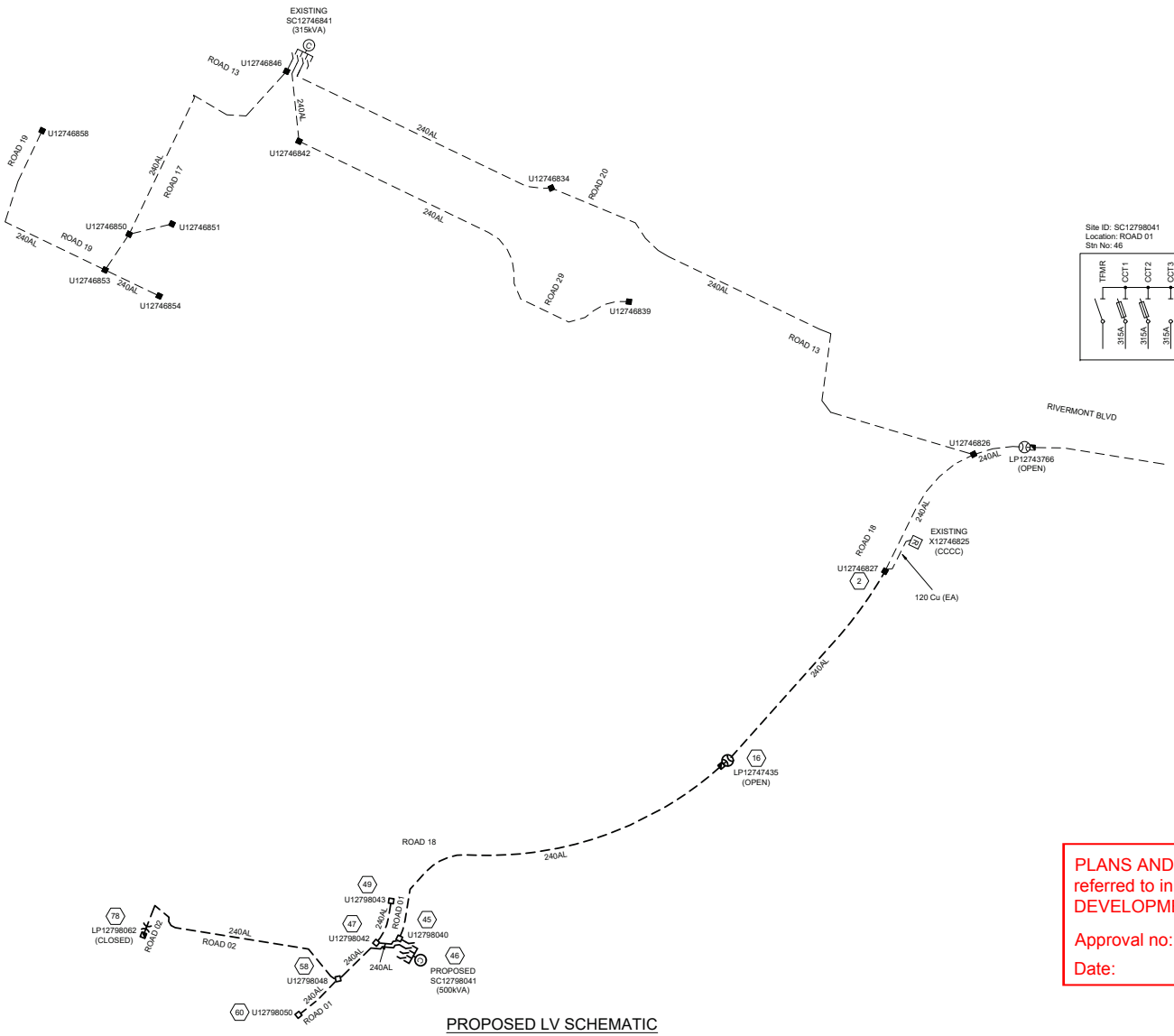
SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	25
		ENERGEX UG	0.9	PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

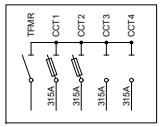
APPROVED:	T. FOSTER	ELECTRICAL RETICULATION & STREETLIGHTING	SCALE : 1:2500 @ A1
PHONE:	0448 903 388		
CHECKED:	L. WEST	RIVERMONT P2/P3 - STAGE 3	C10937-S3D-1
PHONE:	0427 123 724		
DESIGNER:	C. ALLAN	CABOOLTURE RIVER RD, UPPER CABOOLTURE	
PHONE:	0417 612 168		
PLANNER:	C. ALLAN	EXISTING & PROPOSED 11kV SCHEMATIC	S4901067 A
PHONE:	0417 612 168		
ISSUE DATE:	27/11/2025		Sheet 8 of 13



PROPOSED LV SCHEMATIC

SCALE 1:2000 @ A1

Site ID: SC12798041
Location: ROAD 01
Stn No: 46



Site ID: SC12746841 Location: ROAD 13 Stn No: -

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LV SWITCHBOARD LABEL	
TFMR ISOLATOR	80x35	WB	6	TRANSFORMER ISOLATOR	
1	80x35	WB	5	[EXISTING]	EXISTING
2	80x35	WB	5	[EXISTING]	EXISTING
3	80x35	WB	5	TO ROAD 13 U12746834 DIRECT THEN RIVERMONT BLVD LP12743766 / ROAD 18 LP12747435 & SERVICES.	NEW
4	80x35	WB	5	[EXISTING]	EXISTING

Site ID: SC12798041 Location: ROAD 01 Stn No: 46

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LV SWITCHBOARD LABEL	
TFMR ISOLATOR	80x35	WB	6	TRANSFORMER ISOLATOR	
1	80x35	WB	5	TO ROAD 18 LP12747435 / ROAD 01 U12798043 & SERVICES.	NEW
2	80x35	WB	5	TO ROAD 01 U12798048 DIRECT THEN ROAD 02 LP12798062 / ROAD 01 U12798050 & SERVICES.	NEW
3	80x35	WB	5	SPARE	NEW
4	80x35	WB	5	SPARE	NEW

Site ID: LP12743766 Location: RIVERMONT BOULEVARD Stn No: -

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LINK PILLAR LABEL	
1	150x50	WB	5	[EXISTING]	EXISTING
2	150x50	WB	5	TO ROAD 13 SC12746841 / ROAD 18 LP12747435 & SERVICES.	NEW

Site ID: LP12747435 Location: ROAD 18 Stn No: 16

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LINK PILLAR LABEL	
1	150x50	WB	5	TO ROAD 13 SC12746841 / RIVERMONT BLVD LP12743766 & SERVICES.	NEW
2	150x50	WB	5	TO ROAD 01 SC12798041 & SERVICES.	NEW

Site ID: LP12798062 Location: ROAD 02 Stn No: 78

CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LINK PILLAR LABEL	
1	150x50	WB	5	SPARE	NEW
2	150x50	WB	5	TO ROAD 01 SC12798041 / U12798050 & SERVICES.	NEW

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	27/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	27/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

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SITE CONTACT DETAILS	
NAME	-
COMPANY	-
PHONE	-
MOBILE	-
FAX	-
EMAIL	-

ALIGNMENTS		
ENERGEX OH	3.0	
ENERGEX UG	0.9	
TELSTRA	DBYD	
GAS	DBYD	
HP GAS	DBYD	
WATER	DBYD	
STORMWATER	DBYD	
SEWERAGE	DBYD	
OTHER	DBYD	

PROPERTY DESCRIPTION	
NUMBER OF LOTS:	25
PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
CANCELLING LOTS:	TBA
LOCAL AUTHORITY:	MBRC
APPROVAL No:	TBA
RPEQ:	
JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
CHECKED:	L. WEST	
PHONE:	0427 123 724	
DESIGNER:	C. ALLAN	
PHONE:	0417 612 168	
PLANNER:	C. ALLAN	
PHONE:	0417 612 168	
ISSUE DATE:	27/11/2025	

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

EXISTING & PROPOSED LV SCHEMATIC

SCALE : 1:2000 @ A1

C10937-S3D-1

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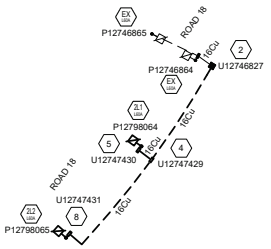
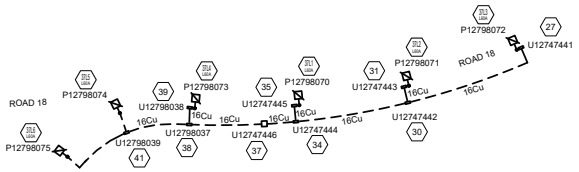
Sheet 9 of 13



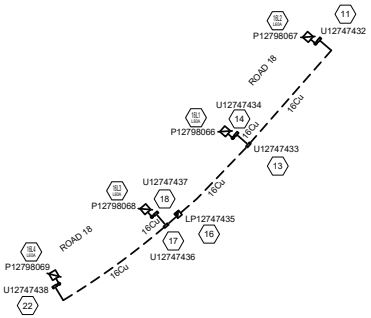
NOTE: ALL STREETLIGHT CABLES ARE 4mm 2C Cu UNLESS SPECIFIED OTHERWISE

EXISTING & PROPOSED SL SCHEMATIC
POS: U12746827
SCALE 1:1000 @ A1



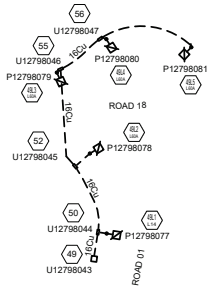
NOTE: ALL STREETLIGHT CABLES ARE 4mm 2C Cu UNLESS SPECIFIED OTHERWISE

EXISTING & PROPOSED SL SCHEMATIC
POS: U12747446
SCALE 1:1000 @ A1



NOTE: ALL STREETLIGHT CABLES ARE 4mm 2C Cu UNLESS SPECIFIED OTHERWISE

PROPOSED SL SCHEMATIC
POS: LP12747435
SCALE 1:1000 @ A1



NOTE: ALL STREETLIGHT CABLES ARE 4mm 2C Cu UNLESS SPECIFIED OTHERWISE

EXISTING & PROPOSED SL SCHEMATIC
POS: U12798043
SCALE 1:1000 @ A1

STREETLIGHT CALCULATIONS			
LOCATION	VD (%)	FL (Ω)	FL MAX (Ω)
TO STN 2L2	0.05	0.6886	1.280
TO STN 16L2	0.05	0.6399	1.280
TO STN 16L4	0.03	0.5591	1.280
TO STN 37L3	0.08	0.6516	1.280
TO STN 37L6	0.08	0.8216	1.280
TO STN 49L5	0.17	0.1666	1.280

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

NORTH

-40 -20 0 20 40 60 80m
SCALE 1:1000 (AT A1 SIZE)

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	27/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	27/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

CV SERVICES GROUP
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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	25
COMPANY	-	ENERGEX UG	0.9	PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
PHONE	-	TELSTRA	DBYD		
MOBILE	-	GAS	DBYD	CANCELLING LOTS:	TBA
FAX	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
EMAIL	-	WATER	DBYD	APPROVAL No:	TBA
		STORMWATER	DBYD	RPEQ:	
		SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	27/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

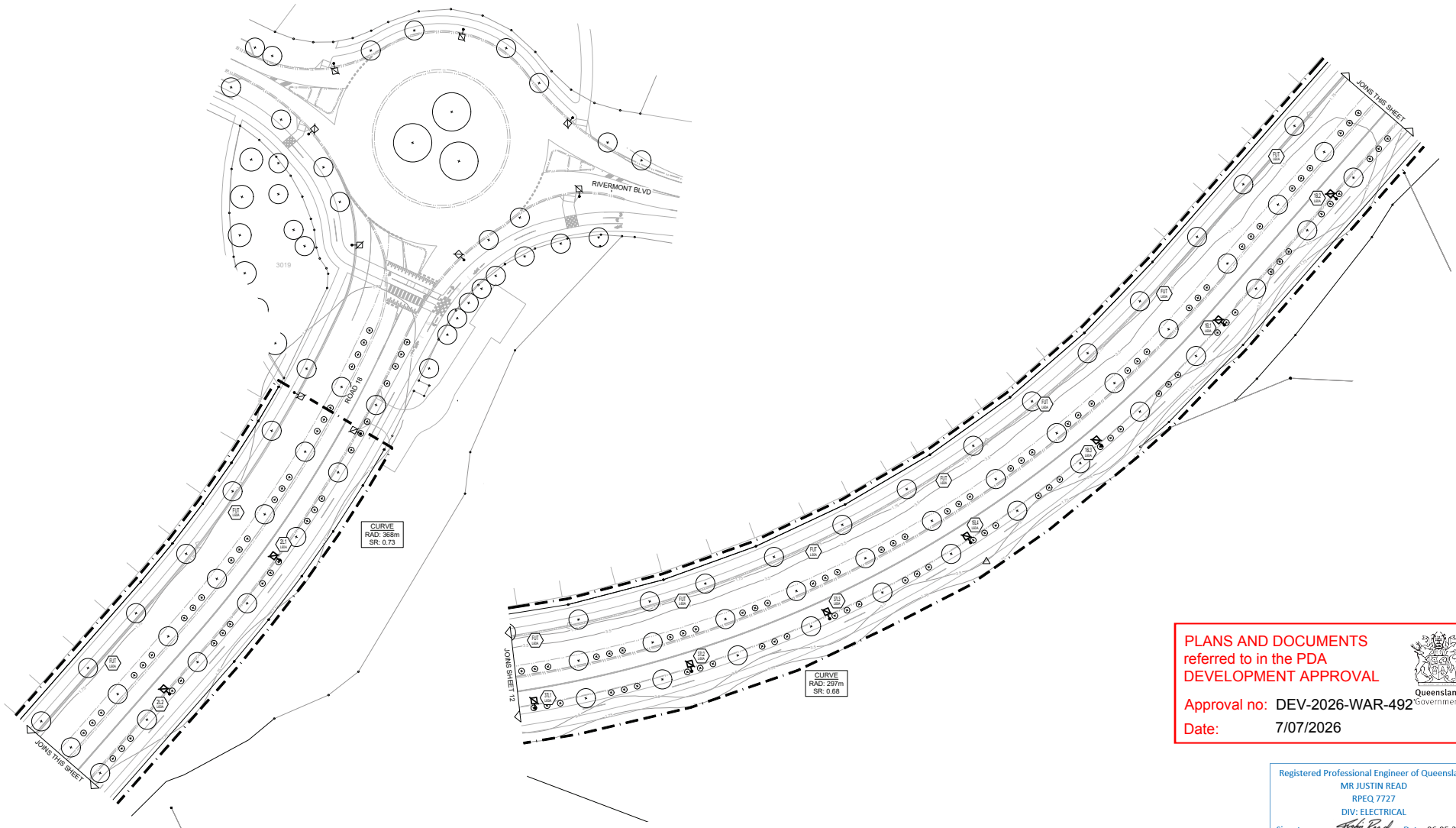
EXISTING & PROPOSED SL SCHEMATICS

SCALE : 1:1000 @ A1

C10937-S3D-1

S4901067 A

Sheet 10 of 13



PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

Queensland Government

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Justin Read Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

FOR CONSTRUCTION

REV	DATE	DETAILS	REV	DATE	DETAILS
PR1	27/11/2025	PRELIMINARY. FOR APPROVAL			
PR2	27/01/2026	CIVIL & ELEC BASE UPDATED			
A	28/04/2026	COUNCIL APPROVED. FOR CONSTRUCTION.			

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SITE CONTACT DETAILS	
NAME	-
COMPANY	-
PHONE	-
MOBILE	-
FAX	-
EMAIL	-

ALIGNMENTS		
ENERGEX OH	3.0	
ENERGEX UG	0.9	
TELSTRA	DBYD	
GAS	DBYD	
HP GAS	DBYD	
WATER	DBYD	
STORMWATER	DBYD	
SEWERAGE	DBYD	
OTHER	DBYD	

PROPERTY DESCRIPTION	
NUMBER OF LOTS:	25
PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
CANCELLING LOTS:	TBA
LOCAL AUTHORITY:	MBRC
APPROVAL No:	TBA
RPEQ:	
JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER
PHONE:	0448 903 388
CHECKED:	L. WEST
PHONE:	0427 123 724
DESIGNER:	C. ALLAN
PHONE:	0417 612 168
PLANNER:	C. ALLAN
PHONE:	0417 612 168
ISSUE DATE:	27/11/2025

ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

STREETLIGHTING LAYOUT

SCALE : 1:500 @ A1

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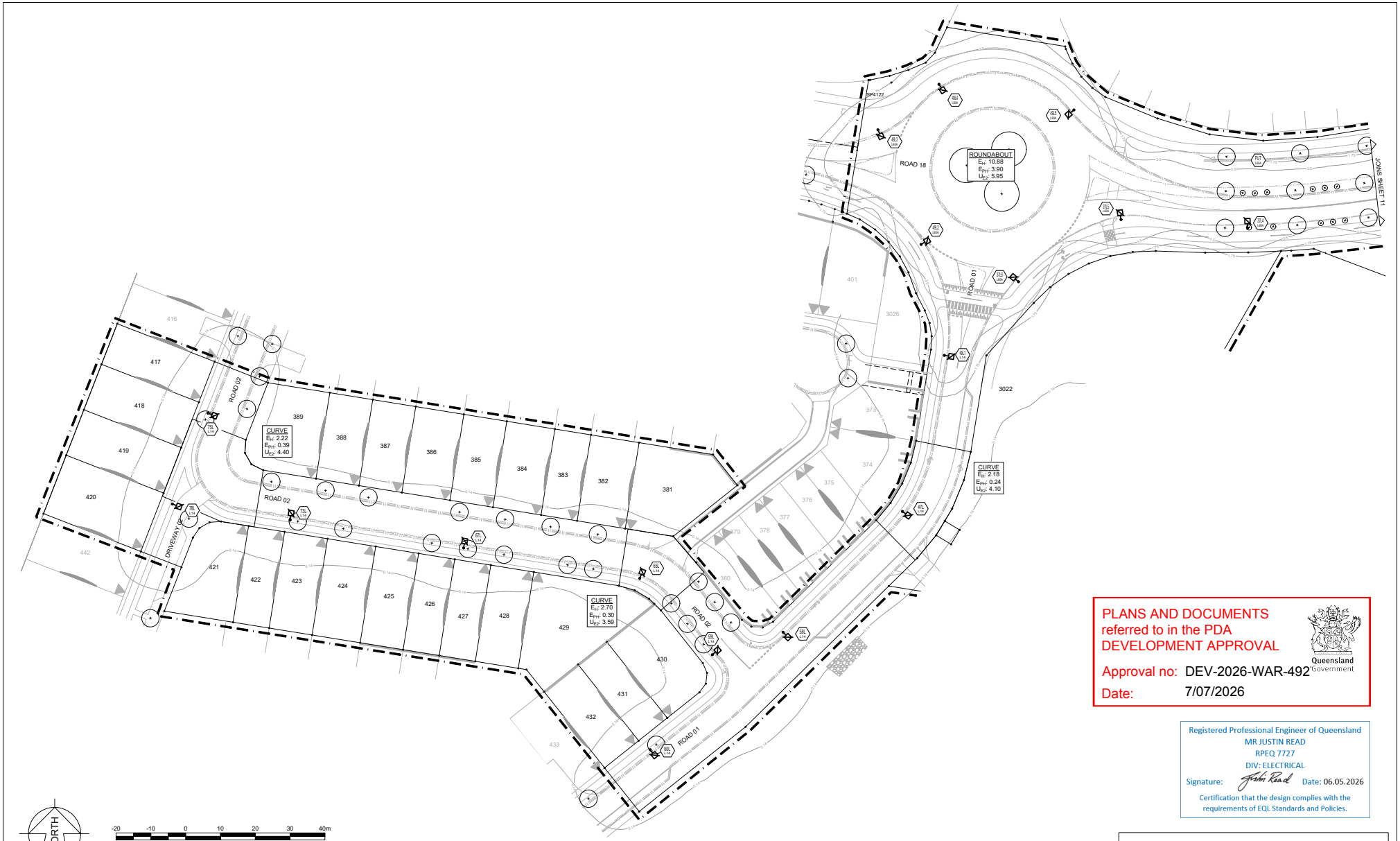
Sheet 11 of 13



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SITE CONTACT DETAILS		ALIGNMENTS		PROPERTY DESCRIPTION	
NAME	-	ENERGEX OH	3.0	NUMBER OF LOTS:	25
		ENERGEX UG	0.9	PROPOSED LOTS:	381-389, 417-432, 3022 & BALANCE
COMPANY	-	TELSTRA	DBYD		
		GAS	DBYD	CANCELLING LOTS:	TBA
PHONE	-	HP GAS	DBYD	LOCAL AUTHORITY:	MBRC
MOBILE	-	WATER	DBYD	APPROVAL No:	TBA
FAX	-	STORMWATER	DBYD	RPEQ:	
EMAIL	-	SEWERAGE	DBYD		
		OTHER	DBYD	JUSTIN READ	RPEQ #: 7727

APPROVED:	T. FOSTER	
PHONE:	0448 903 388	
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CABOOLTURE RIVER RD, UPPER CABOOLTURE

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Sheet 12 of 13

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Queensland Government

Approval no: DEV-2026-WAR-492

Date: 7/07/2026

CERTIFICATE OF COMPLIANCE

DESIGN DOCUMENTATION IN ACCORDANCE WITH THE REQUIREMENTS OF
AS/NZS 1158.3.1:2020 APPENDIX C

LOCATIONS & CATEGORY

ROAD 1, ROAD 2 & DRIVEWAY 02 — CATEGORY PR5

INSTALLATION ARRANGEMENT/GEOMETRY

MOUNTING HEIGHT:	5.1m
OUTREACH:	0.0m
LIGHTING ARRANGEMENT:	SINGLE SIDE
UPCAST ANGLE:	0°

LUMINAIRE/LAMP DETAILS

LUMINAIRE ID:	AVENUE II L14
LAMP TYPE:	LED 14W
LAMP INITIAL FLUX:	1969lm
I-TABLE No:	AVENUE II 4K 14W V2 210729PH.cie
LIGHTING TARIFF:	RATE 2
MAINTENANCE FACTOR:	0.80

PHOTOMETRIC DATA DETAILS

ORIGIN OF NATA CERTIFIED PHOTOMETRIC DATA: GERARD LIGHTING

LIGHT TECHNICAL PARAMETERS

DESIGN METHOD: ILLUMINANCE BASED COMPUTER CALCULATIONS & DESIGN RULES

ROAD NAME	CATEGORY	ROAD WIDTH	LUMINAIRE	ARRANGEMENT	SPACING
ROAD 1	PR5	16.0m	L14	SINGLE SIDE	56.6m
ROAD 2	PR5	16.5m	L14	SINGLE SIDE	56.1m
DRIVEWAY 02	PR5	12.5m	L14	SINGLE SIDE	58.9m

ROAD NAME	CATEGORY	AVG $\bar{E}_h$ (Lux)	MIN E_{ph} (Lux)	MAX/AVG U_{E2}
ROAD 1 CURVE - AT STN 47L	PR5	2.18	0.24	4.10
ROAD 2 CURVE - AT STN 65L	PR5	2.70	0.30	3.59
ROAD 2 CURVE - STN 73L TO 75L	PR5	2.22	0.39	4.40

LIMITING VALUES OF LIGHT TECHNICAL PARAMETERS:

LIGHTING CATEGORY	$\bar{E}_h$	E_{ph}	U_{E2}	E_{pv}
PR5	0.85	0.14	10	N/A

COMPUTER PROGRAM USED TO CALCULATE TECHNICAL PARAMETERS

PERFECT LITE V 3.10 (10/04/2013)
AGI32V 22.2.0.80 (28/11/2024)

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022
FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY

RPEQ SIGNATURE

CERTIFICATE OF COMPLIANCE

DESIGN DOCUMENTATION IN ACCORDANCE WITH THE REQUIREMENTS OF
AS/NZS 1158.1.1:2022 APPENDIX D

LOCATIONS & CATEGORY

ROAD 18 — CATEGORY V5 (DESIGNED TO FUTURE DUAL CARRIAGEWAY - ONLY SINGLE SIDE INSTALLED)

INSTALLATION ARRANGEMENT/GEOMETRY

MOUNTING HEIGHT:	10.5m
OUTREACH:	3.0m
LIGHTING ARRANGEMENT:	ARR 5
UPCAST ANGLE:	0°

LUMINAIRE/LAMP DETAILS

LUMINAIRE ID:	ROADFLAIR L60A 4K IP67
LAMP TYPE:	LED 60W AERO
LAMP INITIAL FLUX:	9.6klm
I-TABLE No:	BRP392 LED96NW 60W 220-240V DWV PSD P7 ANZ.cie
LIGHTING TARIFF:	RATE 2
MAINTENANCE FACTOR:	0.80

PHOTOMETRIC DATA DETAILS

ORIGIN OF NATA CERTIFIED PHOTOMETRIC DATA: PHILIPS ROADLIGHTING

LIGHT TECHNICAL PARAMETERS

STRAIGHT ROAD
DESIGN METHOD: LUMINANCE BASED COMPUTER CALCULATIONS & DESIGN RULES

INTERSECTIONS, JUNCTIONS AND OTHER SPECIFIED LOCATIONS
DESIGN METHOD: ILLUMINANCE BASED COMPUTER CALCULATIONS

ROAD NAME	CATEGORY	ROAD WIDTH	LUMINAIRE	ARRANGEMENT	SPACING
ROAD 18	V5	7.5m	L60A	ARR 5	67m

ROAD NAME	CATEGORY	AVG $\bar{E}_h$ (Lux)	MIN E_{ph} (Lux)	MAX/MIN U_{E1}
ROAD 18 / ROAD 1 ROUNDABOUT	V5	10.88	3.90	5.95

LIMITING VALUES OF LIGHT TECHNICAL PARAMETERS:

LIGHTING CATEGORY	$\bar{L}$ (cd/m²)	U_0	U_L	TI	E_S	E_{ph} (lx)	U_{E1}	UWLR
V5	0.35	0.33	0.5	15%	50%	3.5	8	1%

ROAD SURFACE REFLECTION CHARACTERISTIC

ROAD SURFACE REFLECTION CHARACTERISTIC: R3

COMPUTER PROGRAM USED TO CALCULATE TECHNICAL PARAMETERS

PERFECT LITE V 5.09 (10/04/2013)
AGI32V 19.15 (13/03/2019)

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158.1.1:2022
FOR V-CATEGORY AND AS/NZS 1158.3.1:2020 FOR P-CATEGORY

RPEQ SIGNATURE

Registered Professional Engineer of Queensland
MR JUSTIN READ
RPEQ 7727
DIV: ELECTRICAL
Signature: Date: 06.05.2026
Certification that the design complies with the requirements of EQL Standards and Policies.

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ELECTRICAL RETICULATION & STREETLIGHTING

RIVERMONT P2/P3 - STAGE 3

CABOOLTURE RIVER RD, UPPER CABOOLTURE

STREETLIGHTING CERTIFICATION

SCALE : N/A @ A1

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