

Our Reference: RAL/2024/4460
Your Reference: Job # 25-0048
Contact Officer: Dennis Raccanello
Contact: 4688 6317
Email: development@tr.qld.gov.au

**STREET LIGHTING PLAN REVIEW
Stages 1A & 1B**

Terry Merritt
Ashburner and Francis
TOOWOOMBA QLD 4350

Email: TerryM@AshburnerFrancis.com.au

23 October 2025

Dear Sir

Approval Number: RAL/2024/4460
Application Description: Reconfigure 1 into 46 Lots
Location: 20 Peters Road, MERINGANDAN WEST QLD 4352
Property Description: Lot 23 SP323367

Council concurs with the following lighting design plan proposed for the abovementioned development approval:

1. Electrical Reticulation & Street Lighting Layout Stage 1, 25-00048-U01, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
2. Electrical Reticulation & Street Lighting Layout Stage 2 & Stage 3, 25-00048-U02, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
3. Schedules and PMT Details, 25-00048-U03, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
4. LV Conduit Schematics Sheet 1 of 2 Schedules, 25-00048-U04, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
5. LV Conduit Schematics Sheet 2 of 2 Schedules & PMT Details, 25-00048-U05, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
6. HV Conduit Schematics, 25-00048-U06, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
7. LV Schematics Labels, 25-00048-U07, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
8. LV Schematics Schedules, 25-00048-U08, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
9. HV Conduit Schematics Stage 2 & 3, 25-00048-U09, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.
10. HV Electrical Schematics Labels, 25-00048-U010, Revision A, prepared by Ashburner Francis Consulting Engineers and dated 12/06/2025.

In concurrence with the proposed design for this project, Council has carried out an audit check of information submitted by Ashburner Francis Pty Ltd. Accordingly, Council has placed reliance on the design signed by the Registered Professional Engineer Queensland (RPEQ) that the Approved Plans and specifications are correct and in accordance with required engineering standards. The RPEQ bears full responsibility for all aspects of the engineering design.

Council reserves the right to require further amendments and/or additions at a later stage, should design errors become apparent:

- a) Should any subsequent amendments, changes or alterations of the proposed lighting design occur as a result of an assessment/approval process of a relevant Council application (i.e. RAL/MCU/OW), it will become the responsibility of both the Civil and Electrical Registered Professional Engineer Queensland (RPEQ) to co-ordinate these changes.
- b) Any such changes must be to Council's satisfaction in order to obtain subsequent approval of the lighting design or other impacted Council assets prior to requesting "On-Maintenance" or endorsement of the survey plan.
- c) Modification to any existing or approved infrastructure as a result of any changes is at no cost to Council.
- d) Review of this documentation does not include detailed review of adjoining development approvals.
- e) The construction method for any required road crossings (for service conduits or mains) that are to occur on existing roads will require separate approval from Council's Road Operations Branch as part of any Works in Road Permit.

Should you require further information or clarification of the above, please contact Council's Senior Technical Officer, Dennis Raccanello on the above number.

Yours faithfully



Michael Evans
Principal Engineer, Development Infrastructure and Growth

ON COMPLETION, MARK UP THIS PRINT CLEARLY WITH ALL FINAL CHANGES AND RETURN TO NETWORK DATA GROUP FOR REGION.

CHANGES Yes / No.

COMPLETION DATE: _____

NAME: _____

POSITION: _____

SIGNATURE: _____

DATE: _____

RECEIVED
12/06/2025
TOOWOOMBA
REGIONAL COUNCIL

CONSTRUCTION ISSUE

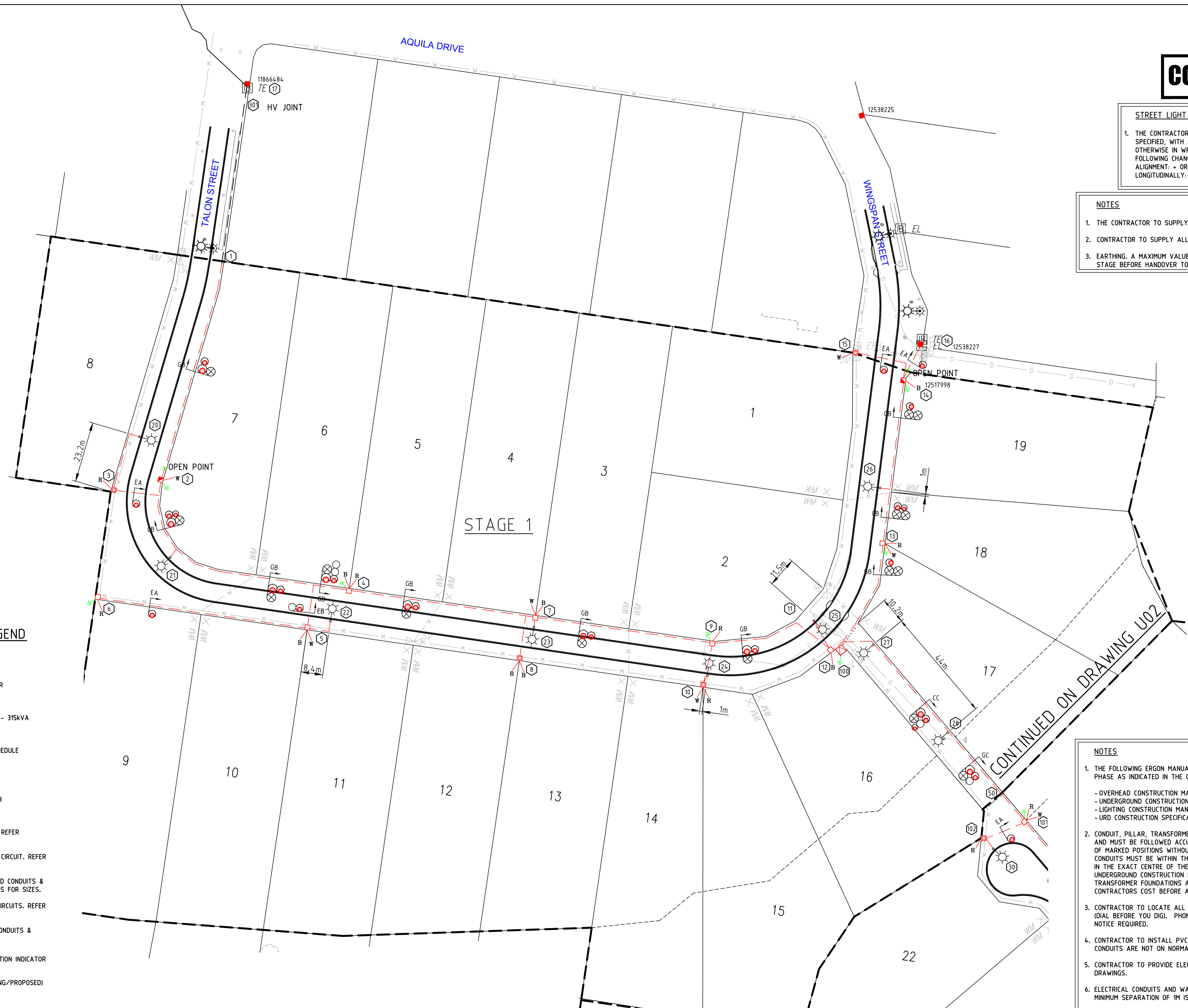
STREET LIGHT TOLERANCES

1. THE CONTRACTOR SHALL INSTALL STREET LIGHTS AT THE LOCATIONS SPECIFIED, WITH A TOLERANCE OF + OR - 100MM, UNLESS APPROVED OTHERWISE IN WRITING BY THE SUPERINTENDANT, WHO MAY APPROVE THE FOLLOWING CHANGES WITHOUT NEGATING THE ROAD LIGHTING CERTIFICATE:
ALIGNMENT: + OR - 150MM
LONGITUDINALLY: + OR - 500MM.

NOTES

- THE CONTRACTOR TO SUPPLY ALL LOCKS TO ERGON REQUIREMENTS.
- CONTRACTOR TO SUPPLY ALL LABELS TO ERGON SPECIFICATION.
- EARTHING. A MAXIMUM VALUE OF 1 OHMS IS REQUIRED WITHIN THE BOUNDARIES OF THE STAGE BEFORE HANDOVER TO ERGON FOR TESTING AND CONNECTION.

Conduits			
S/FILL	EMPTY	EXISTING	PROPOSED
	○	●	●
LVFILL	○	●	●
HVFILL	○	●	●
	⊗	⊗	⊗
DIRECT_LAID		●	●



CONDUIT & ELECTRICAL LEGEND

- LINK PILLAR
- EXISTING PILLAR
- URBAN RESIDENTIAL PILLAR
- CROSSROAD PILLAR
- ▣ PADMOUNT TRANSFORMER - 315kVA
- ▣ RING MAIN UNIT
- ☀ STREETLIGHT - REFER SCHEDULE
- △ CABLE CONNECTION
- ⊗ LINK PILLAR OPEN POINT.
- Ⓜ ELECTRONIC CABLE MARKER
- R W B PHASING
- 11kV CONDUIT & CIRCUITS. REFER SCHEDULES FOR SIZES.
- LOW VOLTAGE CONDUIT & CIRCUIT. REFER SCHEDULES FOR SIZES.
- LOW VOLTAGE CROSS ROAD CONDUITS & CIRCUITS. REFER SCHEDULES FOR SIZES.
- STREETLIGHT CONDUIT & CIRCUITS. REFER SCHEDULES FOR SIZES.
- EXISTING LOW VOLTAGE CONDUITS & CIRCUITS.
- EA CONDUIT TYPE CROSS-SECTION INDICATOR
- CABLE IN CONDUIT (EXISTING/PROPOSED)
- SPARE CONDUIT

NOTES

- THE FOLLOWING ERGON MANUALS ARE TO BE USED AS REFERENCES IN THE CONSTRUCTION PHASE AS INDICATED IN THE CONTRACT SPECIFICATION.
 - OVERHEAD CONSTRUCTION MANUAL
 - UNDERGROUND CONSTRUCTION MANUAL
 - LIGHTING CONSTRUCTION MANUAL
 - URD CONSTRUCTION SPECIFICATIONS & CIVIL DRAWINGS RSC06 & RSC07
- CONDUIT, PILLAR, TRANSFORMER AND STREET LIGHT LOCATIONS SHOWN ARE CRITICAL AND MUST BE FOLLOWED ACCURATELY. DO NOT PLACE PILLARS OR STREET LIGHTS OUT OF MARKED POSITIONS WITHOUT WRITTEN APPROVAL FROM THE ELECTRICAL ENGINEER. CONDUITS MUST BE WITHIN THE DESIGNATED ERGON ALIGNMENT. PLACE THE TRANSFORMER IN THE EXACT CENTRE OF THE DESIGNATED EASEMENT IN ACCORDANCE WITH THE ERGON UNDERGROUND CONSTRUCTION MANUAL. INCORRECTLY PLACED CONDUITS, PILLARS TRANSFORMER FOUNDATIONS AND STREET LIGHTS WILL NEED TO BE RECTIFIED AT THE CONTRACTORS COST BEFORE ACCEPTANCE OF THE CONDUIT INSTALLATION.
- CONTRACTOR TO LOCATE ALL EXISTING SERVICES PRIOR TO EXCAVATION. CONTACT DBYD (DIAL BEFORE YOU DIG). PHONE:1100, FAX:1300 652077. MINIMUM TWO WORKING DAYS NOTICE REQUIRED.
- CONTRACTOR TO INSTALL PVC CABLE PROTECTION COVER STRIPS ABOVE CONDUITS WHERE CONDUITS ARE NOT ON NORMAL ALIGNMENT. (300mm - 900mm OFF PROPERTY BOUNDARY).
- CONTRACTOR TO PROVIDE ELECTRONIC CABLE MARKERS (ECM'S) AS INDICATED IN THE DRAWINGS.
- ELECTRICAL CONDUITS AND WATER PIPES SHALL NOT SHARE A COMMON TRENCH. A MINIMUM SEPARATION OF 1M IS REQUIRED.

CONTINUED ON DRAWING U02

PLOT DATE: 2025-06-12 V:\2025\06-12 PETERS ROAD_MERINGANDAN\DWG_MAF_CURRENT\ELECTRICAL\URD.DWG

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P1	8/5/25	PRELIMINARY ISSUE	TM

client
SITE ACQUISITIONS PTY LTD
PO BOX 426
TOOWOOMBA QLD 4350.

DESIGN CERTIFICATION
JOHN KERECKZO RPEO No. 34667
FOR AND ON BEHALF OF ASHBURNER FRANCIS PTY LTD

Signature: _____ Date: 12/06/25

Ashburner Francis consulting engineers

ASHBURNER FRANCIS PTY LTD (A.B.N. 46 009 975 197)

■ TOOWOOMBA □ BRISBANE
Unit 5 323 Rutwien Street □ TOWNSVILLE
PO Box 2702 □ DARWIN
Toowoomba Qld 4350
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project
PETERS ROAD SUBDIVISION
MERINGANDAN
STAGES 1, 2 & 3

ERGON PROJECT: 1999778

ELECTRICAL SERVICES

title
ELECTRICAL RETICULATION & STREET LIGHTING LAYOUT STAGE 1

date: FEB '25 scale: 1:750 @A1

designed: TM
drawn: DK
checked: JK

job no. 25-0048 sheet no. U01 1 of 14 issue A

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CHANGES Yes / No.

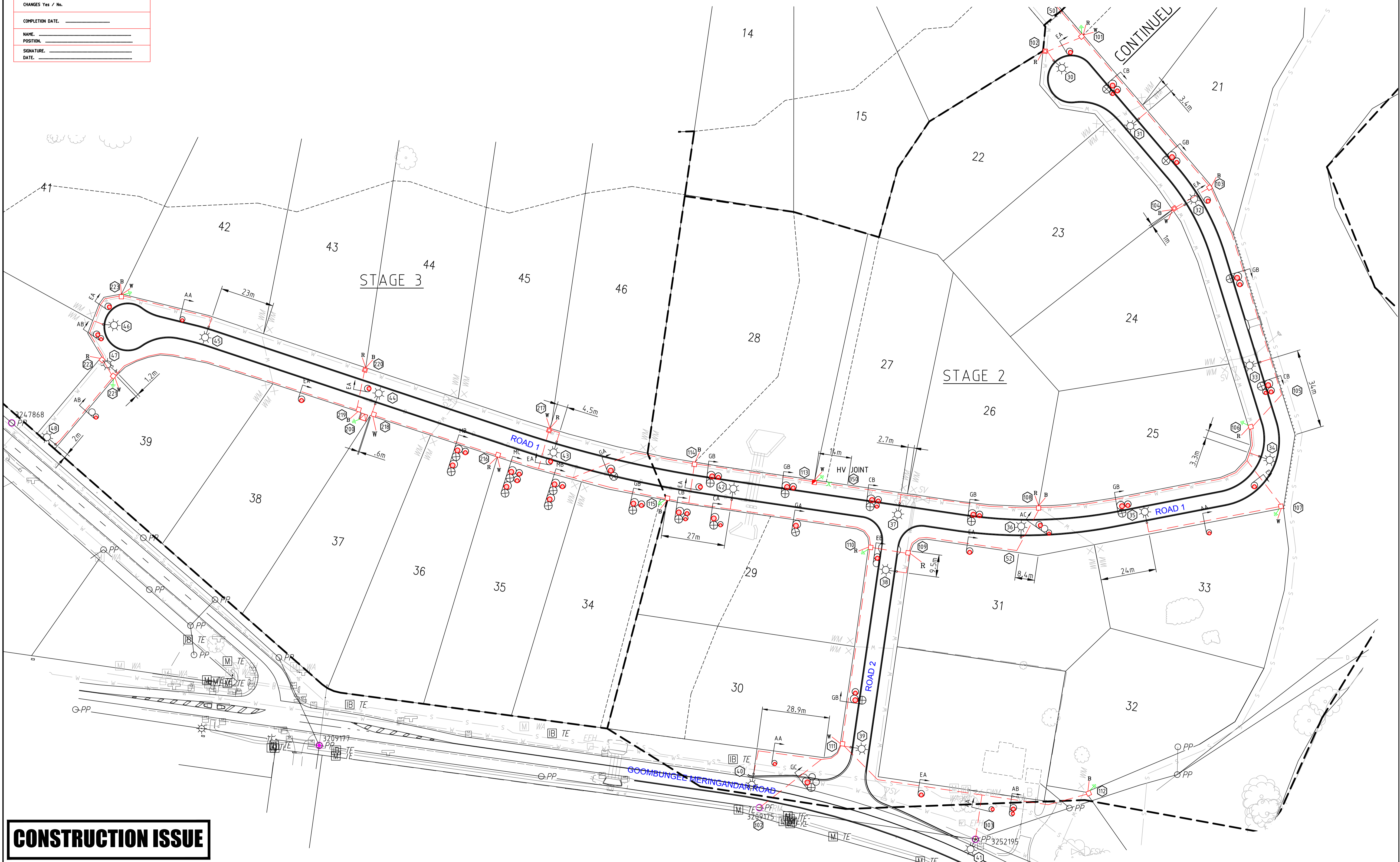
COMPLETION DATE: _____

NAME: _____

POSITION: _____

SIGNATURE: _____

DATE: _____

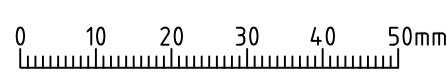


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client
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 TOOWOOMBA QLD 4350.

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 JOHN KERECEZKO RPEQ No. 34667
 FOR AND ON BEHALF OF ASHBURNER FRANCIS PTY LTD
 Signature: _____ Date: 12/06/25

Ashburner Francis consulting engineers
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project
PETERS ROAD SUBDIVISION
MERINGANDAN
STAGES 1, 2 & 3
 ERGON PROJECT: 1999778

ELECTRICAL SERVICES
 title
ELECTRICAL RETICULATION & STREET LIGHTING LAYOUT STAGE 2 & STAGE 3

date: FEB '25 scale: 1:750 @A1
 designed: TM
 drawn: DK
 checked: JK
 CAD file name: 25-0048 URD.DWG
 job no: 25-0048 sheet no: U02 2 of 14 issue: A

PLOT DATE: 2025-06-12 V:\32025\0048 - PETERS ROAD, MERINGANDAN\DWG\SAF_CURRENT\ELECTRICAL\URD.DWG

CONTINUED ON SHEET U08

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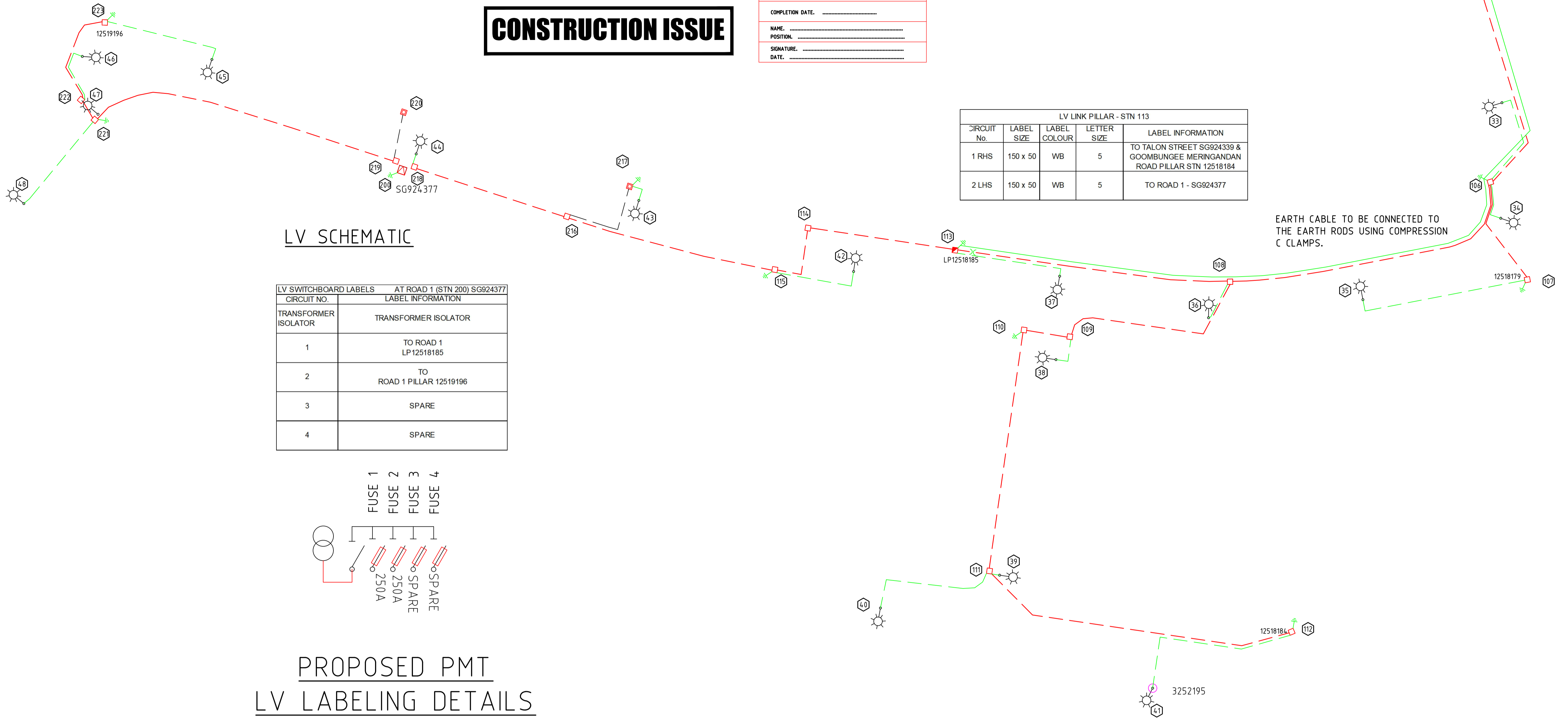
POSITION. _____

SIGNATURE. _____

DATE. _____

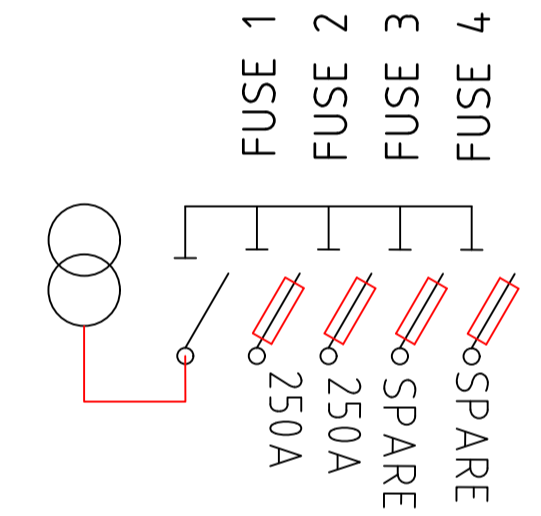
CONSTRUCTION ISSUE

LV LINK PILLAR - STN 113				
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
1 RHS	150 x 50	WB	5	TO TALON STREET SG924339 & GOOMBUNGEE MERINGANDAN ROAD PILLAR STN 12518184
2 LHS	150 x 50	WB	5	TO ROAD 1 - SG924377



LV SCHEMATIC

LV SWITCHBOARD LABELS AT ROAD 1 (STN 200) SG924377	
CIRCUIT NO.	LABEL INFORMATION
TRANSFORMER ISOLATOR	TRANSFORMER ISOLATOR
1	TO ROAD 1 LP12518185
2	TO ROAD 1 PILLAR 12519196
3	SPARE
4	SPARE



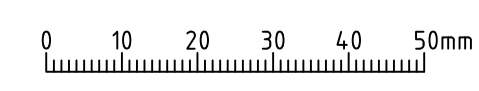
PROPOSED PMT LV LABELING DETAILS

PLOT DATE: 2025-06-12 V:\2025\25-0048 - PETERS ROAD, MERINGANDAN\DWG\SAF_CURRENT\ELECTRICAL\U08 URD.DWG

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 Signature: _____ Date: 12/06/25

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project
PETERS ROAD SUBDIVISION
MERINGANDAN
STAGES 1,2 & 3
 ERGON PROJECT: 1999778

ELECTRICAL SERVICES
 title
LV SCHEMATICS
SCHEDULES

date: FEB '25 scale: NTS @A1
 designed: TM
 drawn: DK
 checked: JK
 north
 25-0048 U08 P2
 job no. sheet no. 8 of 14 issue

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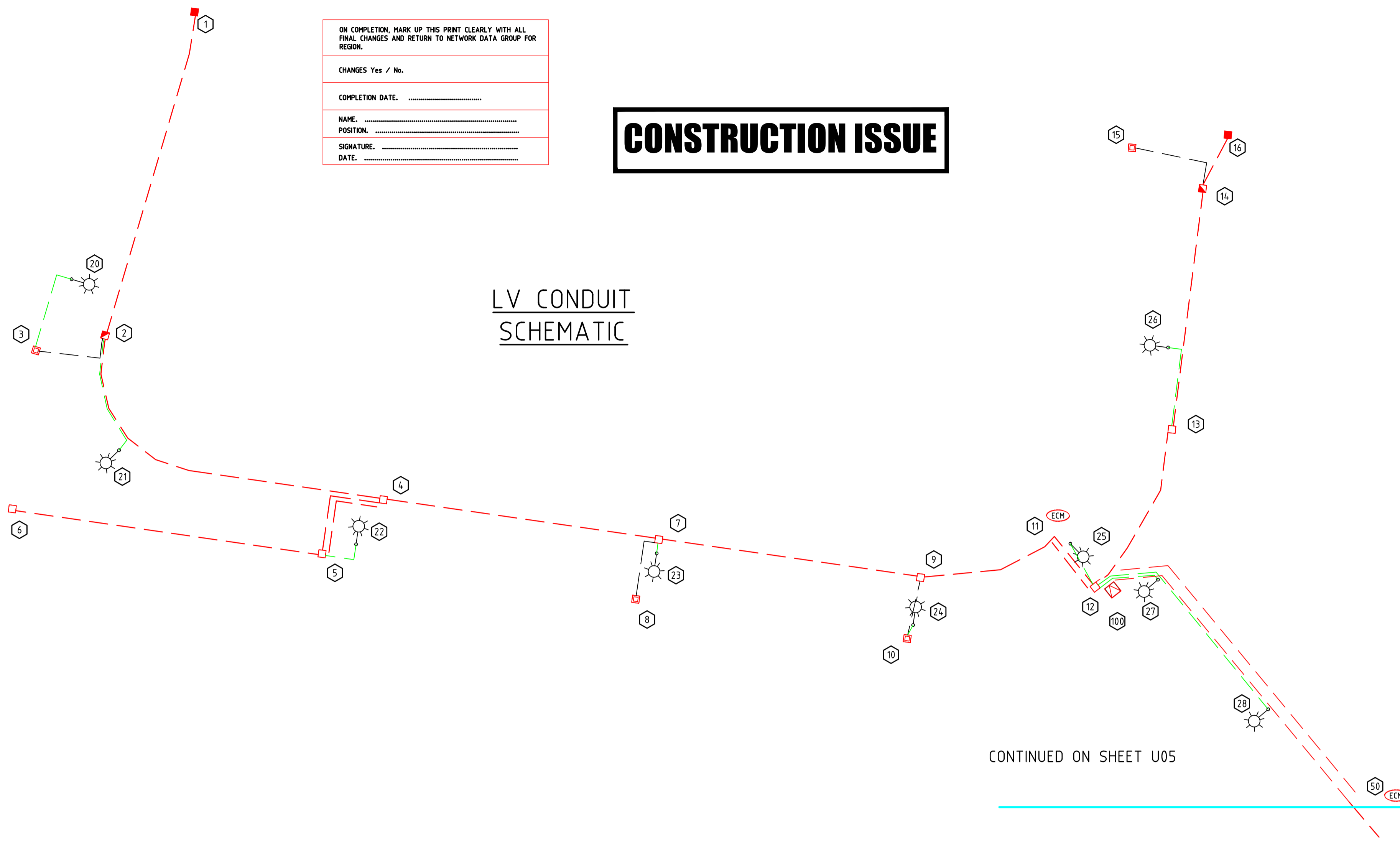
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SIGNATURE.

DATE.

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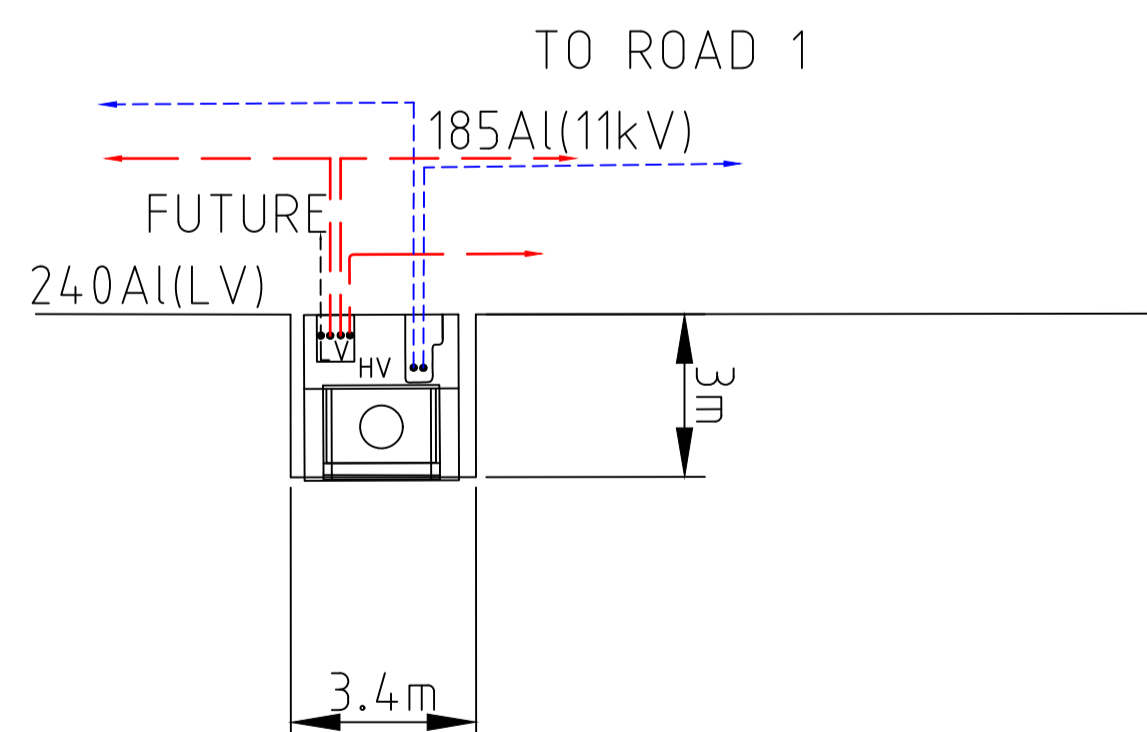
LV CONDUIT SCHEMATIC



LOCATION	STN FROM	STN TO	ACTION	CONDUIT CONSTRUCTION CODE				POLYMERIC COVER (CAPC200)	ECM's	REMARKS
				C150L LENGTH	C125L LENGTH	C100L LENGTH	C50H LENGTH			
Talon Street	1	100	Install							
Talon Street	1	100	Install			379			Spare HV. Cap ends. Provide draw rope.	
Pathway	100	50	Install			90				
Pathway	100	50	Install			90			Spare HV. Cap ends. Provide draw rope.	
Road 1	50	350	Install			400		Stn 350	HV Joint at Stn 350	
Road 1	50	350	Install			400			Spare HV. Cap ends. Provide draw rope.	
Road 1	350	200	Install			212				
Road 1	350	200	Install			212			Spare HV. Cap ends. Provide draw rope.	
Road 1 & Road 2	200	302	Install			357				
Road 1 & Road 2	200	302	Install			357			Spare HV. Cap ends. Provide draw rope.	
Talon Street	100	14	Install			108			Future HV. Cap ends. Provide draw rope.	
Talon Street	100	14	Install			108			Spare HV. Cap ends. Provide draw rope.	
Talon Street	1	2	Install			85		4		
Talon Street	2	3	Install			23		18		
Talon Street	2	4	Install			96		4		
Talon Street	4	5	Install			30		4		
Talon Street	4	5	Install			30		18	Spare LV. Cap ends. Provide draw rope.	
Talon Street	5	6	Install			79		4		
Talon Street	4	7	Install			70		4		
Talon Street	7	8	Install			22		4		
Talon Street	7	9	Install			67		4		
Talon Street	9	10	Install			16		4		
Talon Street	9	12	Install			52		22		
Talon Street	11	12	Install			18		18	Stn 11	
Talon Street	12	100	Install			2		4	Spare LV. Cap ends. Provide draw rope.	
Talon Street	100	13	Install			43		4		
Talon Street	13	14	Install			61		4		
Talon Street	14	15	Install			25		18		
Pathway	100	50	Install			90		90		
Pathway	100	50	Install			90			Stn 50	
Wingspan Street	14	16	Install			15		15	Spare LV. Cap ends. Provide draw rope.	
Pathway	50	101	Install			14		4	Arrange with Ergon for access	
Road 1	101	102	Install			18		18	Join to existing conduit	
Road 1	101	103	Install			83		4		
Road 1	103	104	Install			18		18		
Road 1	103	106	Install			111		4		
Road 1	105	106	Install			19		19	Stn 105	
Road 1	106	107	Install			37		25	Spare LV. Cap ends. Provide draw rope.	
Road 1	106	108	Install			105		4		
Road 1	108	52	Install			20		20	Stn 52	
Road 1	108	109	Install			69		4	Spare LV. Cap ends. Provide draw rope.	
Road 1	108	113	Install			95		4		
Road 1	109	110	Install			16		16		
Road 2	109	110	Install			16		16	Spare LV. Cap ends. Provide draw rope.	
Road 2	110	111	Install			83		4		
Goombungee - Meringandan Road	111	112	Install			111		4		
Goombungee - Meringandan Road	111	302	Install			45		32	Future LV. Cap ends. Provide draw rope.	
Road 1	111	302	Install			45		32	Spare LV. Cap ends. Provide draw rope.	
Road 1	113	114	Install			50		4		
Road 1	114	115	Install			24		24		
Road 1	115	216	Install			73		4		
Road 1	200	219	Install			2		4		
Road 1	216	217	Install			32		18		
Road 1	216	218	Install			54		4		
Road 1	218	200	Install			2		4		
Road 1	219	220	Install			16		18		
Road 1	219	221	Install			109		4		
Road 1	221	222	Install			8		4		
Road 1	221	222	Install			8		10	Spare LV. Cap ends. Provide draw rope.	
Road 1	221	48	Install			37		4	Future LV. Cap ends. Provide draw rope.	
Road 1	222	223	Install			35		4		
Talon Street	3	20	Install					23	5	
Talon Street	2	21	Install					31	5	
Talon Street	5	22	Install					11	5	
Talon Street	7	23	Install					5	5	
Talon Street	10	24	Install					5	5	
Talon Street	12	25	Install					12	12	
Talon Street	13	26	Install					24	5	
Pathway	12	27	Install					16	16	
Pathway	12	28	Install					62	62	
Road 1	101	31	Install					46	5	
Road 1	102	30	Install					5	5	
Road 1	104	32	Install					5	5	
Road 1	106	33	Install					35	20	
Road 1	106	34	Install					15	5	
Road 1	107	35	Install					61	5	
Road 1	108	36	Install					14	5	
Road 2	109	38	Install					12	5	
Road 2	111	39	Install					5	5	
Goombungee - Meringandan Road	111	40	Install					48	10	
Goombungee - Meringandan Road	112	41	Install					64	20	
Road 1	113	37	Install					40	5	
Road 1	115	42	Install					32	5	
Road 1	217	43	Install					8	5	
Road 1	218	44	Install					5	5	
Road 1	221	47	Install					6	5	
Pathway	221	48	Install					38	5	
Road 1	222	46	Install					23	5	
Road 1	223	45	Install					43	5	

PROPOSED PMT
SG924339 - 315kVA

PMT SITE TO BE REGISTERED AS ROAD RESERVE



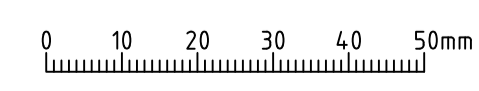
PMT DETAIL STATION 100 (NTS)

PLODATE: 2025-06-12 V:302925-0046 - PETERS ROAD_MERINGANDAN.DWGSAF_CURRENT/ELECTRICAL/0048 URD.DWG

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client
SITE ACQUISITIONS PTY LTD
PO BOX 426
TOOWOOMBA QLD 4350.

DESIGN CERTIFICATION
JOHN KERCZKO RPEO No. 34667
FOR AND ON BEHALF OF ASHBURNER FRANCIS PTY LTD
Signature: _____ Date: 12/06/25

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ASHBURNER FRANCIS PTY LTD (A.B.N. 46 009 975 197)
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project
PETERS ROAD SUBDIVISION
MERINGANDAN
STAGES 1,2 & 3
ERGO PROJECT: 1999778

ELECTRICAL SERVICES
title
LV CONDUIT SCHEMATICS
SHEET 1 OF 2
SCHEDULES

date: FEB '25 scale: NTS @A1
designed: TM
drawn: DK
checked: JK
CAD file name: 25-0048 URD.DWG
job no. 25-0048 sheet no. U04 4 of 10 issue A

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CHANGES Yes / No. _____

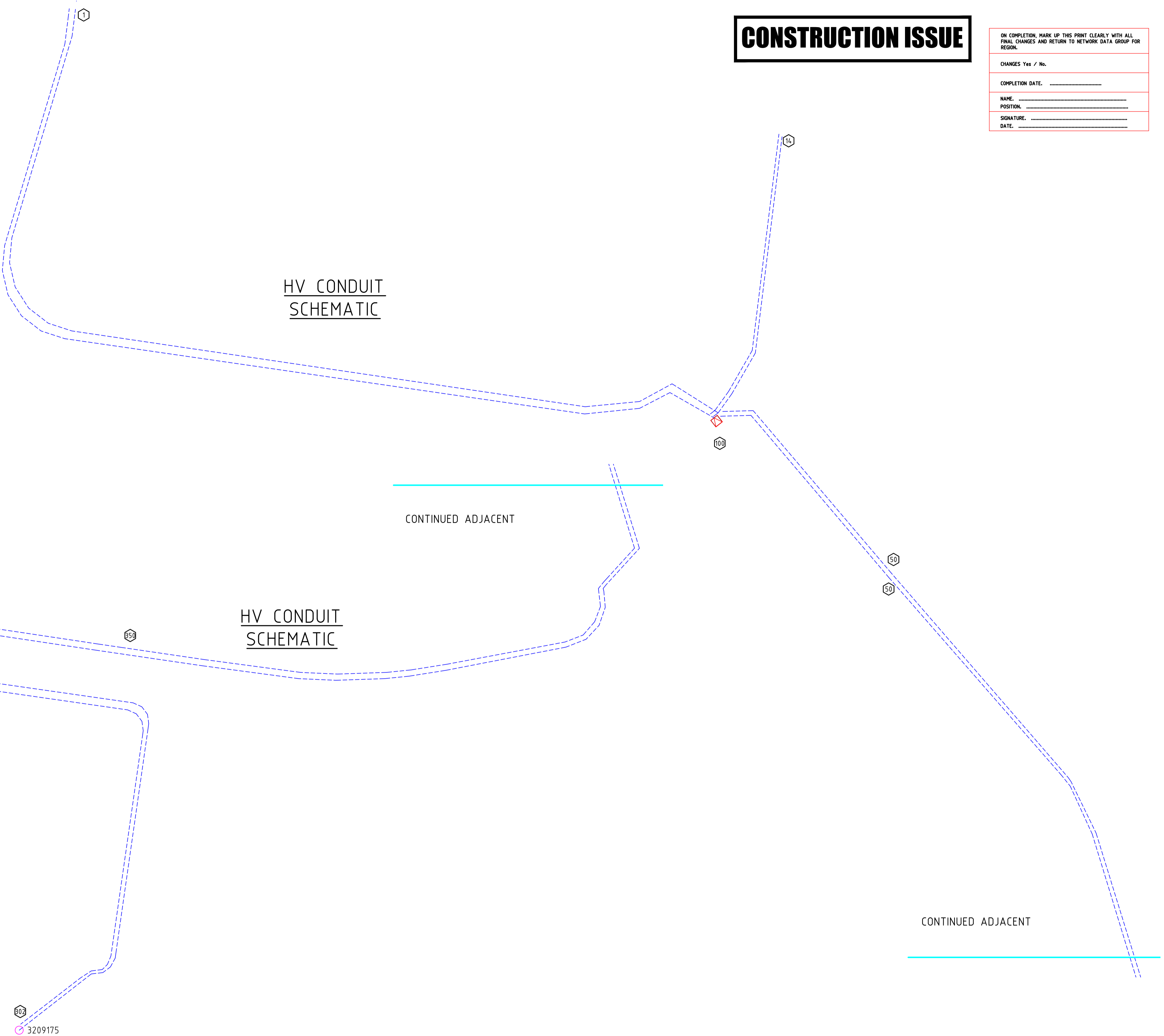
COMPLETION DATE. _____

NAME. _____

POSITION. _____

SIGNATURE. _____

DATE. _____



PLOTDATE: 2025-06-12 V:\2025\04-12 PETERS ROAD_MERINGANDAN\DWGS\AF_CURRENT\ELECTRICAL\URD.DWG

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Signature: _____ Date: 12/06/25

Ashburner Francis consulting engineers

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project
PETERS ROAD SUBDIVISION
MERINGANDAN
STAGES 1,2 & 3

ERGON PROJECT: 1999778

ELECTRICAL SERVICES

title
 HV CONDUIT SCHEMATICS

date: FEB '25 scale: NTS @A1

designed: TM
 drawn: DK
 checked: JK

job no. 25-0048 sheet no. U06 6 of 14 issue A

STREET LIGHT SCHEDULE										
LOCATION	STN No	SITE LABEL	ACTION (INSTALL)	STREETLIGHT TYPE	CONSTRUCTION CODE	RATE	OWNER	ALIGNMENT	MOUNTING HEIGHT	OUTREACH ARM
Talon Street	21	12518001	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Talon Street	22	12518002	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Talon Street	23	12518003	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Talon Street	24	12518004	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Talon Street	25	12518005	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Talon Street	26	12518006	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Pathway	27	12518007	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	5m	0.5m
Pathway	28	12518008	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	5m	0.5m
Road 1	30	12518156	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	31	12518157	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	32	12518158	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	33	12518159	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	34	12518160	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	35	12518161	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	36	12518162	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	37	12518163	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 2	38	12518164	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 2	39	12518165	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Goombungee Meringandan Rd	40	12518166	INSTALL	Sylvania Schreder StreetLED MK111 24W 3K High Output Aeroscreen	SLEDSY024403	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Goombungee Meringandan Rd	41	3252195	ERGO	Sylvania Schreder StreetLED MK111 24W 3K High Output Aeroscreen	SLEDSY024403	NPL 2	Toowoomba Regional Council	Existing Ergon pole	7.5m	1.5m
Road 1	42	12518167	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	43	12518168	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	44	12518169	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	45	12518170	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Road 1	46	12518171	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	7.5m	1.5m
Pathway	47	12518172	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	5m	0.5m
Pathway	48	12518173	INSTALL	Sylvania Schreder StreetLED MK111 14W 3K Aeroscreen	SLEDSY0137A3	NPL 2	Toowoomba Regional Council	600mm BOK	5m	0.5m

UNDERGROUND CABLE SCHEDULE														
LOCATION	STATIONS		VOLTAGE	ACTION	ROUTE LENGTH	CABLE CONSTRUCTION CODE / LENGTH					REMARKS			
	FROM	TO				11kV CABLE (m)		LV CABLE (m)		S/L CABLE (m)		Earth Cable	Bare Earth 35mm II No. 1311142	
						11-185T/1720	LV-240C4/673	LV-16CUC4/614	LV-4CU2NS/1671	LV-16CU2NS/1672				
Talon Street	300	301	11kV	Install	184		194				Bury at transformer			
Talon Street	301	100	11kV	Install	441		451				Joint at stn 301			
Road 1	100	350	11kV	Install	490		500				Joint at stn 350			
Road 1	350	200	11kV	Install	212		222							
Road 1 & Road 2	200	302	11kV	Install	357		375				Bury at pole			
Talon Street	17	2	415V	Install	153			157			Arrange with Ergon for access			
Talon Street	2	3	415V	Install	23			27						
Talon Street	2	4	415V	Install	96			100						
Talon Street	4	5	415V	Install	30			34						
Talon Street	4	7	415V	Install	70			74						
Talon Street	5	6	415V	Install	79			83						
Talon Street	7	8	415V	Install	22			26						
Talon Street	7	9	415V	Install	67			71						
Talon Street	9	10	415V	Install	16			20						
Talon Street	9	12	415V	Install	52			56						
Talon Street	12	100	415V	Install	2			10						
Talon Street	13	14	415V	Install	61			65						
Talon Street	14	15	415V	Install	25			29						
Wingspan Street	14	16	415V	Install	15			19			Arrange with Ergon for access			
Talon Street	100	13	415V	Install	43			52						
Pathway	100	101	415V	Install	101			110						
Road 1	101	102	415V	Install	18			22						
Road 1	101	103	415V	Install	83			87						
Road 1	103	104	415V	Install	18			22						
Road 1	103	106	415V	Install	111			115						
Road 1	106	107	415V	Install	37			41						
Road 1	106	108	415V	Install	105			109						
Road 1	108	109	415V	Install	69			73						
Road 1	108	113	415V	Install	95			99						
Road 2	109	110	415V	Install	16			20						
Road 2	110	111	415V	Install	83			87						
Goombungee Meringandan Road	111	112	415V	Install	111			115						
Road 1	113	114	415V	Install	50			54						
Road 1	114	115	415V	Install	24			28						
Road 1	115	216	415V	Install	73			77						
Road 1	216	217	415V	Install	32			36						
Road 1	216	218	415V	Install	54			58						
Road 1	218	200	415V	Install	2			8						
Road 1	200	219	415V	Install	2			8						
Road 1	219	220	415V	Install	16			20						
Road 1	219	221	415V	Install	109			113						
Road 1	221	222	415V	Install	8			12						
Road 1	222	223	415V	Install	35			39						
Talon Street	2	21	Street Light	Install	31			35						
Talon Street	3	20	Street Light	Install	23			27						
Talon Street	5	22	Street Light	Install	11			15						
Talon Street	7	23	Street Light	Install	5			9						
Talon Street	10	24	Street Light	Install	5			9						
Talon Street	12	25	Street Light	Install	12			16						
Talon Street	12	27	Street Light	Install	16			20						
Pathway	12	28	Street Light	Install	62			66						
Pathway	13	26	Street Light	Install	24			28						
Road 1	101	31	Streetlight	Install	46			50						
Road 1	102	30	Streetlight	Install	5			9						
Road 1	104	32	Streetlight	Install	5			9						
Road 1	106	33	Streetlight	Install	35			39						
Road 1	106	34	Streetlight	Install	15			19						
Road 1	107	35	Streetlight	Install	61			65						
Road 1	108	36	Streetlight	Install	14			18						
Road 2	109	38	Streetlight	Install	12			16						
Road 2	111	39	Streetlight	Install	5			9						
Goombungee Meringandan Road	111	40	Streetlight	Install	48			52						
Goombungee Meringandan Road	112	41	Streetlight	Install	64			74			Bury at pole			
Road 1	113	37	Streetlight	Install	40			44						
Road 1	115	42	Streetlight	Install	32			36						
Road 1	217	43	Streetlight	Install	8			12						
Road 1	218	44	Streetlight	Install	5			9						
Road 1	221	47	Streetlight	Install	6			10						
Road 1	221	48	Streetlight	Install	38			42						
Road 1	222	46	Streetlight	Install	23			27						
Road 1	223	45	Streetlight	Install	43			47						
Talon Street	1	9	Earth	Install	319			331						
Talon Street	13	14	Earth	Install	63			67						
Road 1	101	113	Earth	Install	201			212						
						1742	1974	202	812	0	0	610		

PROJECT NAME: PETERS ROAD			
MATERIALS LIST (indicative values only.)			
UNDERGROUND MATERIAL			
ASSET IDENTIFICATION NUMBER (UG)	582-2	582	35
1 WAY - SUPPLY PILLAR	LV PN1/6/240	5025	2
1 WAY - SUPPLY PILLAR + S/LIGHT	LV PN1/6S/240	5025	2
2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026	8
2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026	8
3 WAY - SUPPLY PILLAR	LV PN3/6/240	5027	1
3 WAY - SUPPLY PILLAR + S/LIGHT	LV PN3/6S/240	5027	3
CROSS ROAD PILLAR	LV PX6/16CU	5041	3
CROSS ROAD PILLAR + S/LIGHT	LV PX6S/16CU	5041	5
2 WAY - LINK PILLAR	LV PL2/6/240	5042	1
2 WAY - LINK PILLAR + S/LIGHT	LV PL2/6S/240	5042	2
LV CABLE TERMINATION (11kV PADMOUNT)	LV CT PM11/240	5087	5
11kV CABLE TERMINATION ABB SAFE LINK (185mm² AL TRIPLEX-I)	11 PM/CTC/ASL/185TI	5206	4
EARTHING - MEN (PILLAR)	E MEN/PIL	5085	15
EARTHING - 11kV PADMOUNT SUB/STN (COMMON)	E PM11/COM	5013	2
11kV PADMOUNT FOUNDATION (UNI-CULVERT)	PMF 11 U	5005	2
11kV PADMOUNT SUB/STN ABB SAFE LINK 2-2S1F (315kVA)	PM 11/315/ASL2 2S1F	5388	1
11kV PADMOUNT SUB/STN ABB SAFE LINK 2-3S1F (315kVA)	PM 11/315/ASL2 3S1F	5388	1
JOINT KIT UNDERGROUND 11kV 185mm² AI TRIPLEX XLPE	11-CJS185T		

ERGON CONSTRUCTION SCHEDULE							
LOCATION	STATION	ASSET NUMBER	ACTION (INSTALL)	CONSTRUCTION CLASS	CONSTRUCTION CODE	DRAWING NUMBER	REMARKS
Wingspan Street	16	12538227	EXISTING	1 WAY - SUPPLY PILLAR + S/LIGHT	LV PN1/6S/240	5025	
	16		ERGON	1 TO 2 WAY SUPPLY PILLAR UPGRADE	LV PNU1-2/240	5026	
Talon Street	17	11866484	EXISTING	1 WAY - SUPPLY PILLAR + S/LIGHT	LV PN1/6S/240	5025	
	17		ERGON	1 TO 2 WAY SUPPLY PILLAR UPGRADE	LV PNU1-2/240	5026	
Goombungee Meringandan Rd	41		ERGON	Sylvania Schreuder StreetLED MK111 24W 3K High Output Aeroscreen	SLEDSY024403	1-6-2-6	
	41		ERGON	S/LIGHT - WOOD POLE BRACKET (1.5m O/R) - Cu MAINS	SL WPB/MA1 Cu	1-7-2-1	
	41	3252195	EXISTING	WOOD POLE 12.5m LONG, 12kN STRENGTH, SCREW IN POLE STEPS, NATURAL EARTH FOUNDATION	WP 12/12 S/NE	1169	
Wisdom Street	300		EXISTING	11kV PADMOUNT SUB/STN ABB SAFE LINK 2-2S1F (315kVA)	PM 11/315/ASL2 2S1F	5388	Existing transformer to be converted to common earth.
	300		ERGON	11kV CABLE TERMINATION ABB SAFE LINK (185mm² AL TRIPLEX-I)	11 PM/CTC/ASL/185TI	5206	
Goombungee Meringandan Rd	302	3209175	RECOVER	WOOD POLE 12.5m LONG, 8kN STRENGTH, SCREW IN POLE STEPS, NATURAL EARTH FOUNDATION	WP 12/5 S/NE	1169	
	302		UPGRADE	WOOD POLE 14.0m LONG, 8kN STRENGTH, SCREW IN POLE STEPS, NATURAL EARTH FOUNDATION	WP 14/8 S/NE	1169	
	302		ERGON	11kV POLE TERMINATION 185mm² AL TRIPLEX-IP (POLYMERIC GUARD) WITH LINKS	11 CT P/185TVP	5101	
	302		ERGON	11kV POLE CABLE TERMINATION, FLAT PIN, 185mm² AL U/G CABLE, LINKS, 125mm CROSS ARM, MAINS	CTP 11 FP 185 L 2 PG3	1367	
	302	924386	ERGON	SWITCH 11kV, 3 PHASE, SOLID LINKS 125mm CROSSARM MOUNTED, P.G. CONNECTION	SW 11/3/SLS/X2/PG3	1175	

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CHANGES Yes / No.

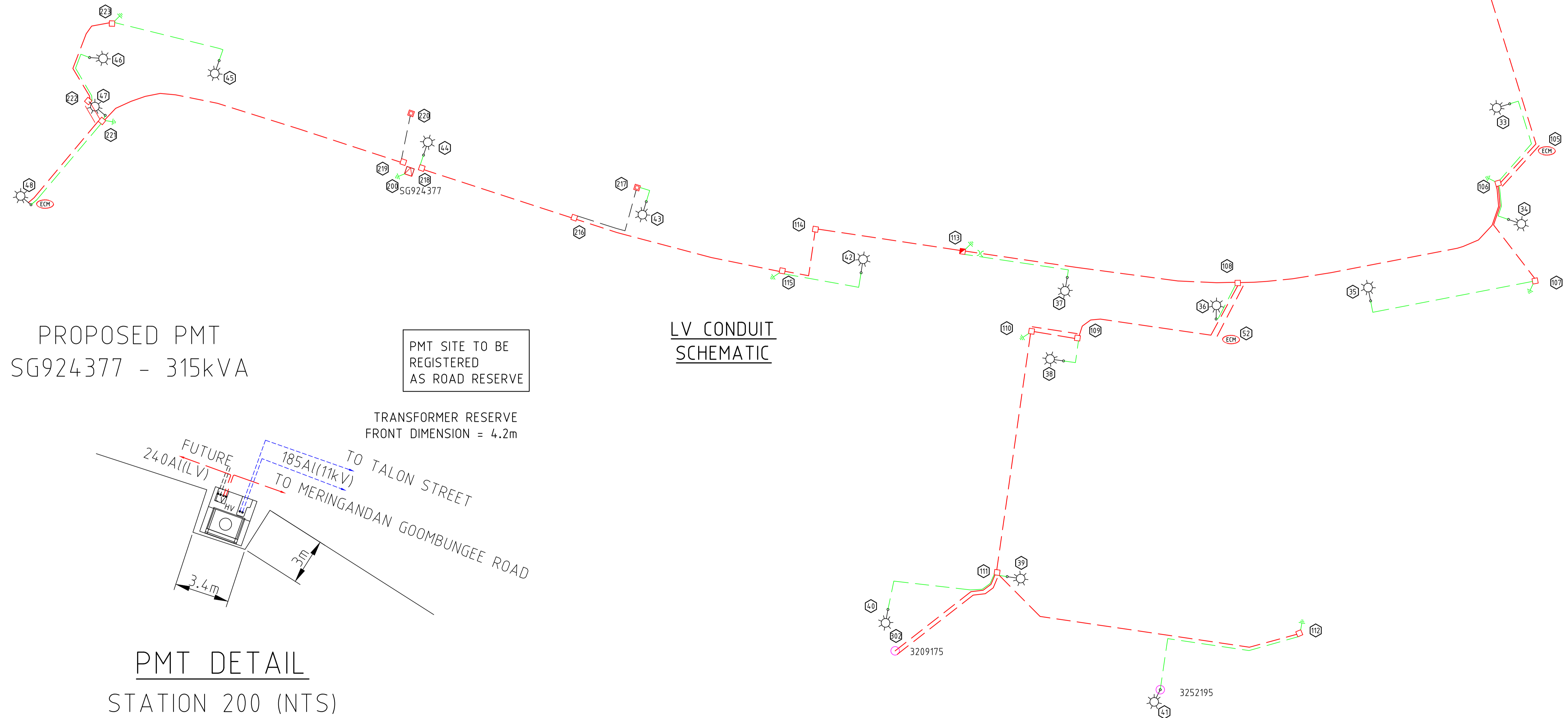
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CONTINUED ON SHEET U04

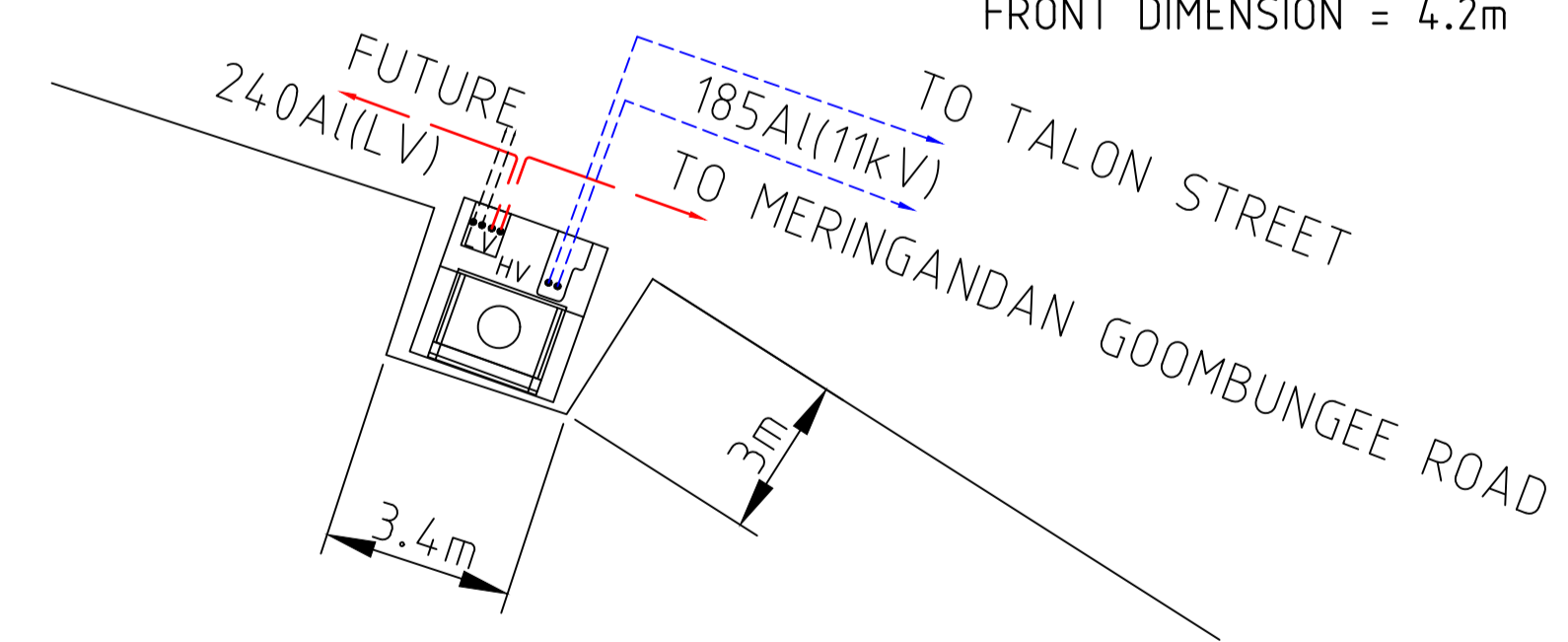
CONSTRUCTION ISSUE

PROPOSED PMT
SG924377 - 315kVA

PMT SITE TO BE REGISTERED AS ROAD RESERVE

LV CONDUIT SCHEMATIC

TRANSFORMER RESERVE FRONT DIMENSION = 4.2m



PMT DETAIL
STATION 200 (NTS)

PLODATE: 2025-06-12 V:302025-0048 - PETERS ROAD, MERINGANDAN/DVGS/AF_CURRENT/ELECT/25-0048 URD.DWG

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issue	date	description	init.
A	12/6/25	CONSTRUCTION ISSUE	TM
P2	22/5/25	UPDATED CONCEPT ISSUE	TM
P1	2/4/25	CONCEPT ISSUE	TM

client
SITE ACQUISITIONS PTY LTD
PO BOX 426
TOOWOOMBA QLD 4350.

DESIGN CERTIFICATION
JOHN KEREZCZKO RPEQ No. 34667
FOR AND ON BEHALF OF ASHBURNER FRANCIS PTY LTD

Signature: [Signature] Date: 12/06/25

Ashburner Francis consulting engineers
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project
PETERS ROAD SUBDIVISION
MERINGANDAN
STAGES 1,2 & 3

ERGON PROJECT: 1999778

ELECTRICAL SERVICES
title
LV CONDUIT SCHEMATIC
SHEET 2 OF 2
SCHEDULES & PMT DETAILS

date: FEB '25 scale: NTS @A1
designed: TM
drawn: DK
checked: JK
CAD file name: 25-0048 URD.DWG
25-0048 U05 A
job no. sheet no. 5 of 10 issue

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CHANGES Yes / No. _____

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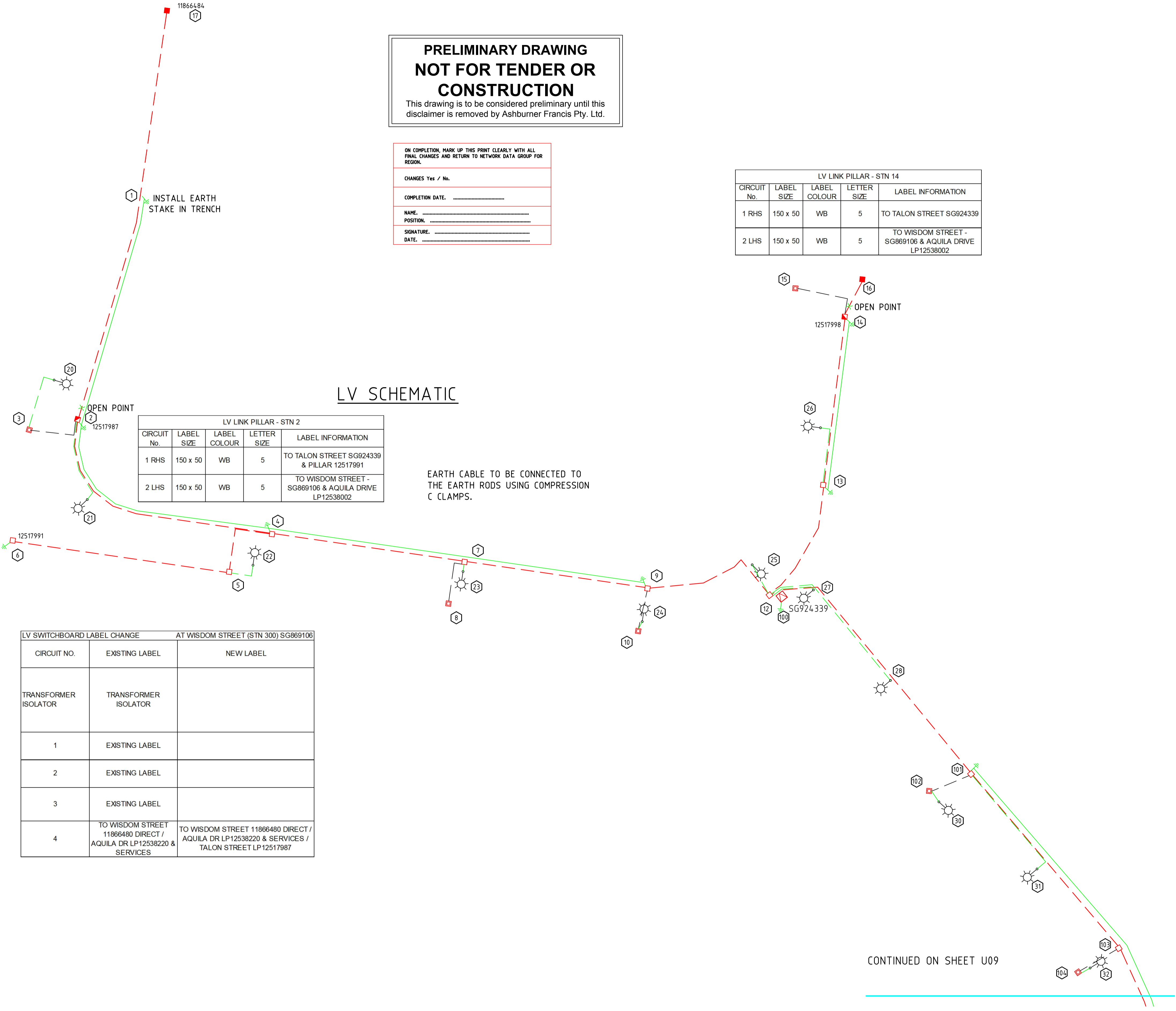
DATE. _____

LV LINK PILLAR - STN 14				
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
1 RHS	150 x 50	WB	5	TO TALON STREET SG924339
2 LHS	150 x 50	WB	5	TO WISDOM STREET - SG869106 & AQUILA DRIVE LP12538002

LV SCHEMATIC

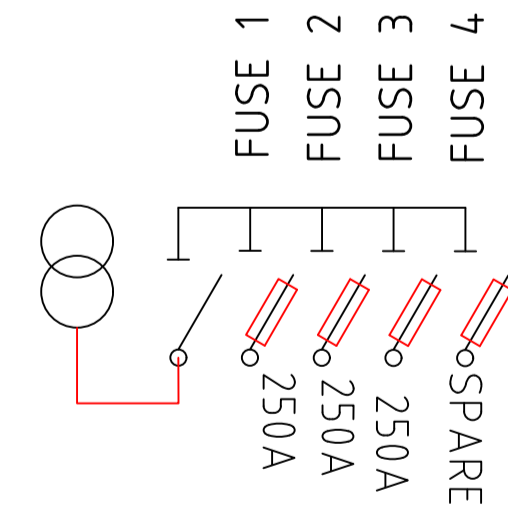
LV LINK PILLAR - STN 2				
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
1 RHS	150 x 50	WB	5	TO TALON STREET SG924339 & PILLAR 12517991
2 LHS	150 x 50	WB	5	TO WISDOM STREET - SG869106 & AQUILA DRIVE LP12538002

EARTH CABLE TO BE CONNECTED TO THE EARTH RODS USING COMPRESSION C CLAMPS.



LV SWITCHBOARD LABEL CHANGE AT WISDOM STREET (STN 300) SG869106		
CIRCUIT NO.	EXISTING LABEL	NEW LABEL
TRANSFORMER ISOLATOR	TRANSFORMER ISOLATOR	
1	EXISTING LABEL	
2	EXISTING LABEL	
3	EXISTING LABEL	
4	TO WISDOM STREET 11866480 DIRECT / AQUILA DR LP12538220 & SERVICES	TO WISDOM STREET 11866480 DIRECT / AQUILA DR LP12538220 & SERVICES / TALON STREET LP12517987

LV SWITCHBOARD LABEL AT TALON STREET (STN 100) SG924339	
CIRCUIT NO.	LABEL INFORMATION
TRANSFORMER ISOLATOR	TRANSFORMER ISOLATOR
1	TO TALON STREET LP12517987 & PILLAR 12517991
2	TO TALON STREET LP12517998
3	TO ROAD 1 LP12518185 & PILLAR 12518179 GOOMBUNGEE MERINGANDAN ROAD PILLAR 12518184
4	SPARE



CONTINUED ON SHEET U09

**PROPOSED PMT
LV LABELING DETAILS**

Road Lighting Certificate

Design Documentation in accordance with the requirements of AS/NZS 1158.3.1:2020 Appendix C (P Cat)

ELEMENT DETAILS
Element: Talon Street
Category: PR5

INSTALLATION ARRANGEMENT/GEOMETRY
Arrangement: Staggered
Mounting Height (m): 7.5m
Outreach (m): 1.5m
Upcast (deg): 0
Spacing (m): Varies (refer lighting schedule)

LUMINAIRE DETAILS
Luminaire Type(IP Rating): SYLVANIA SCHREDER StreetLED MkIII 14w 3000K Aeroscreen (IP66)
Initial Design Lumens: 1815
Luminaire Used: StreetLED3 13.7W 3K Aero 201052PH.cie

ORIGIN OF PHOTOMETRICS Sylvania Schreder

LIGHT TECHNICAL PARAMETERS
Design Method: Spacing Tables & Design rules
Refer Spacing Tables/Illuminance Design for LTP's/Compliance

ROAD SURFACE REFLECTION CHARACTERISTICS: R3

COMPUTER PROGRAM DETAILS
Name of Computer Program: PerfectLite/AGI32
Source of Program: Constant Energy / Lighting Analysts
Design Documentation in accordance with the requirements of AS/NZS 1158.3.1:2020 Appendix C (P Cat)
Compliance: 1158.3.1:2020 Appendix C (P Cat)

MAINTENANCE FACTOR
The maintenance factor and the maintenance regime are the responsibility of the Asset Owner (Energy Queensland).
This design utilises a maintenance factor of 0.75 as specified by Energy Queensland.
Note: Luminaires shall be replaced with exact equivalents.

SG869106

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CHANGES Yes / No.

COMPLETION DATE: _____

NAME: _____

POSITION: _____

SIGNATURE: _____

DATE: _____

CONSTRUCTION ISSUE

CALCULATED CABLE PULLING TENSION = 5.62kN FROM STN 301 TO STN 300.
ACTUAL = ____ kN.

HV SWITCHBOARD LABEL CHANGE			AT WISDOM ROAD (STN 300) SG869106				
LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION			LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	LB869113	FS869110	LB869112 CFI PROTECTED	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x40	BW	20	SG869106 (EXISTING)			FRONT	TRANSFORMER IDENTIFICATION
150x50	BW	10	EXISTING	EXISTING	TO TALON STREET SG924339, LB924384	CABLE BOX	CABLE DESTINATION
150x50	BW	10	EXISTING	EXISTING	TO TALON STREET SG924339, LB924384	INSIDE SIDE WALL	CABLE DESTINATION

HV JOINT

CALCULATED CABLE PULLING TENSION = 10.99kN FROM STN 100 TO STN 301.
ACTUAL = ____ kN.

HV SWITCHBOARD LABEL			AT TALON STREET (STN 100) SG924339				
LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION			LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	LB924340	FS924344 - ES924345	LB924384	LB924342	NEAR ISOLATOR IDENTIFICATION
			CFI PROTECTED			CFI PROTECTED	
			ES924341		ES924385	ES924343	
150x40	BW	20	SG924339			FRONT	TRANSFORMER IDENTIFICATION
150x50	BW	10	TO ROAD 1 SG924377, LB924378	TO TRANSFORMER	TO WISDOM STREET SG869106, LB869112	SPARE	CABLE BOX DESTINATION
150x50	BW	10	TO ROAD 1 SG924377, LB924378	TO TRANSFORMER	TO WISDOM STREET SG869106, LB869112	SPARE	INSIDE SIDE WALL DESTINATION

HV SCHEMATIC

CONTINUED ON SHEET U010

CONSTRUCTION SCHEDULE									
LOCATION	STATION	ASSET NUMBER	ACTION (INSTALL)	CONSTRUCTION CLASS	CONSTRUCTION CODE	DRAWING NUMBER	REMARKS		
Talon Street	2	12517987	INSTALL	2 WAY - LINK PILLAR + S/LIGHT	LV PL2/6S/240	5042			
Talon Street	2		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Talon Street	3	12517988	INSTALL	CROSS ROAD PILLAR + S/LIGHT	LV PX/6S/16CU	5041			
Talon Street	4	12517989	INSTALL	3 WAY - SUPPLY PILLAR	LV PN3/6/240	5027			
Talon Street	4		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Talon Street	5	12517990	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Talon Street	6	12517991	INSTALL	1 WAY - SUPPLY PILLAR	LV PN1/6/240	5025			
Talon Street	6		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Talon Street	7	12517992	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Talon Street	8	12517993	INSTALL	CROSS ROAD PILLAR	LV PX/6/16CU	5041			
Talon Street	9	12517994	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Talon Street	9		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Talon Street	10	12517995	INSTALL	CROSS ROAD PILLAR + S/LIGHT	LV PX/6S/16CU	5041			
Talon Street	12	12517996	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Talon Street	13	12517997	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Talon Street	13		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Talon Street	14	12517998	INSTALL	2 WAY - LINK PILLAR	LV PL2/6/240	5042			
Talon Street	14		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Talon Street	15	12517999	INSTALL	CROSS ROAD PILLAR	LV PX/6/16CU	5041			
Talon Street	16	12538227	EXISTING	1 WAY - SUPPLY PILLAR + S/LIGHT	LV PN1/6S/240	5025			
Talon Street	17	11866484	EXISTING	1 WAY - SUPPLY PILLAR + S/LIGHT	LV PN1/6S/240	5025			
Talon Street	20	12518000	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Talon Street	21	12518001	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Talon Street	22	12518002	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Talon Street	23	12518003	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Talon Street	24	12518004	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Talon Street	25	12518005	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Talon Street	26	12518006	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Talon Street	27	12518007	INSTALL	S/LIGHT - URBAN 5m M/HT, INTEGRAL 0.5m O/R - MID HINGED POLE, CAST IN SITU FOUNDATION	SB50H105CI	1-6-6-2			
Talon Street	28	12518008	INSTALL	S/LIGHT - URBAN 5m M/HT, INTEGRAL 0.5m O/R - MID HINGED POLE, CAST IN SITU FOUNDATION	SB50H105CI	1-6-6-2			
Road 1	30	12518156	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	31	12518157	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	32	12518158	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	33	12518159	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	34	12518160	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	35	12518161	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	36	12518162	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	37	12518163	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 2	38	12518164	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 2	39	12518165	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Goombungee Meringandan Rd	40	12518166	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	42	12518167	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	43	12518168	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	44	12518169	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	45	12518170	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Road 1	46	12518171	INSTALL	S/LIGHT - URBAN 7.5m M/HT, SINGLE 1.5m O/R - CAST IN SITU FOUNDATION	SL BPM/75/1 15 CI	1-6-4-3			
Pathway	47	12518172	INSTALL	S/LIGHT - URBAN 5m M/HT, INTEGRAL 0.5m O/R - MID HINGED POLE, CAST IN SITU FOUNDATION	SB50H105CI	1-6-6-2			
Pathway	48	12518173	INSTALL	S/LIGHT - URBAN 5m M/HT, INTEGRAL 0.5m O/R - MID HINGED POLE, CAST IN SITU FOUNDATION	SB50H105CI	1-6-6-2			
Talon Street	100	SG924339	INSTALL	11kV PADMOUNT SUB/STN ABB SAFE LINK 2 -3S1F (315kVA)	PM 11/315/ASL2 3S1F	5386			
Talon Street	100	12518009	INSTALL	11kV PADMOUNT FOUNDATION (UNI-CULVERT)	PMF 11 U	5005			
Talon Street	100		INSTALL	EARTHING - 11kV PADMOUNT SUB/STN (COMMON)	E PM11/COM	5013			
Talon Street	100		INSTALL	11kV CABLE TERMINATION ABB SAFE LINK (185mm² AL TRIPLEX-I)	11 PM/CT/ASL/185TI	5206			
Talon Street	100		INSTALL	LV CABLE TERMINATION (11kV PADMOUNT)	LV CT PM11/240	5087			
Talon Street	100		INSTALL	LV CABLE TERMINATION (11kV PADMOUNT)	LV CT PM11/240	5087			
Talon Street	100		INSTALL	FUSE LINK 250A DIN SIZE 2	A529-14	529	Set of 3 fuses		
Talon Street	100		INSTALL	FUSE LINK 250A DIN SIZE 2	A529-14	529	Set of 3 fuses		
Talon Street	100		INSTALL	LV CABLE TERMINATION (11kV PADMOUNT)	LV CT PM11/240	5087			
Talon Street	100		INSTALL	FUSE LINK 250A DIN SIZE 2	A529-14	529	Set of 3 fuses		
Talon Street	100		INSTALL	11kV CABLE TERMINATION ABB SAFE LINK (185mm² AL TRIPLEX-I)	11 PM/CT/ASL/185TI	5206			
Road 1	101	12518174	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Road 1	101		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Road 1	102	12518175	INSTALL	CROSS ROAD PILLAR + S/LIGHT	LV PX/6S/16CU	5041			
Road 1	103	12518176	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Road 1	104	12518177	INSTALL	CROSS ROAD PILLAR + S/LIGHT	LV PX/6S/16CU	5041			
Road 1	106	12518178	INSTALL	3 WAY - SUPPLY PILLAR + S/LIGHT	LV PN3/6S/240	5027			
Road 1	106		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Road 1	107	12518179	INSTALL	1 WAY - SUPPLY PILLAR + S/LIGHT	LV PN1/6S/240	5025			
Road 1	107		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Road 1	108	12518180	INSTALL	3 WAY - SUPPLY PILLAR + S/LIGHT	LV PN3/6S/240	5027			
Road 2	109	12518181	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Road 2	110	12518182	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Road 2	110		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Road 2	111	12518183	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Goombungee Meringandan Rd	112	12518184	INSTALL	1 WAY - SUPPLY PILLAR	LV PN1/6/240	5025			
Road 1	112		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Road 1	113	12518185	INSTALL	2 WAY - LINK PILLAR + S/LIGHT	LV PL2/6S/240	5042			
Road 1	113		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Road 1	114	12518186	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Road 1	115	12518187	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Road 1	115		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Road 1	200	SG924377	INSTALL	11kV PADMOUNT SUB/STN ABB SAFE LINK 2 -2S1F (315kVA)	PM 11/315/ASL2 2S1F	5388			
Road 1	200	12518188	INSTALL	11kV PADMOUNT FOUNDATION (UNI-CULVERT)	PMF 11 U	5005			
Road 1	200		INSTALL	EARTHING - 11kV PADMOUNT SUB/STN (COMMON)	E PM11/COM	5013			
Road 1	200		INSTALL	11kV CABLE TERMINATION ABB SAFE LINK (185mm² AL TRIPLEX-I)	11 PM/CT/ASL/185TI	5206			
Road 1	200		INSTALL	11kV CABLE TERMINATION ABB SAFE LINK (185mm² AL TRIPLEX-I)	11 PM/CT/ASL/185TI	5206			
Road 1	200		INSTALL	LV CABLE TERMINATION (11kV PADMOUNT)	LV CT PM11/240	5087			
Road 1	200		INSTALL	LV CABLE TERMINATION (11kV PADMOUNT)	LV CT PM11/240	5087			
Road 1	200		INSTALL	FUSE LINK 250A DIN SIZE 2	A529-14	529	Set of 3 fuses		
Road 1	200		INSTALL	FUSE LINK 250A DIN SIZE 2	A529-14	529	Set of 3 fuses		
Road 1	216	12518189	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Road 1	217	12518190	INSTALL	CROSS ROAD PILLAR + S/LIGHT	LV PX/6S/16CU	5041			
Road 1	218	12518191	INSTALL	2 WAY - SUPPLY PILLAR + S/LIGHT	LV PN2/6S/240	5026			
Road 1	219	12519192	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Road 1	220	12518193	INSTALL	CROSS ROAD PILLAR	LV PX/6/16CU	5041			
Pathwat	221	12518194	INSTALL	3 WAY - SUPPLY PILLAR + S/LIGHT	LV PN3/6S/240	5027			
Pathway	222	12518195	INSTALL	2 WAY - SUPPLY PILLAR	LV PN2/6/240	5026			
Road 1	223	12519196	INSTALL	1 WAY - SUPPLY PILLAR + S/LIGHT	LV PN1/6S/240	5025			
Road 1	223		INSTALL	EARTHING - MEN (PILLAR)	E MEN/PIL	5085			
Wisdom Road	300	SG869106	EXISTING	11kV PADMOUNT SUB/STN ABB SAFE LINK -2S1F (315kVA)	PM 11/315/ASL 2S1F	5388			
Talon Street	301	12518198	INSTALL	JOINT KIT UNDERGROUND 11kV 185mm² AI TRIPLEX XLPE (104264)	11-CJS185T	5073	Provide ECM		
Road 1	350	12518197	INSTALL	JOINT KIT UNDERGROUND 11kV 185mm² AI TRIPLEX XLPE (104264)	11-CJS185T	5073	Provide ECM		

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0 10 20 30 40 50mm

A	12/6/25	CONSTRUCTION ISSUE	TM
P2	22/5/25	UPDATED CONCEPT ISSUE	TM
P1	2/4/25	CONCEPT ISSUE	TM
Issue	date	description	init.

client
SITE ACQUISITIONS PTY LTD
PO BOX 426
TOOWOOMBA QLD 4350.

DESIGN CERTIFICATION
JOHN KERECKO RPEQ No. 34667
FOR AND ON BEHALF OF ASHBURNER FRANCIS PTY LTD

Signature: _____ Date: 12/06/25

Ashburner Francis consulting engineers
ASHBURNER FRANCIS PTY LTD (A.B.N. 46 009 975 197)

■ TOOWOOMBA ■ BRISBANE
□ TOWNSVILLE
□ DARWIN

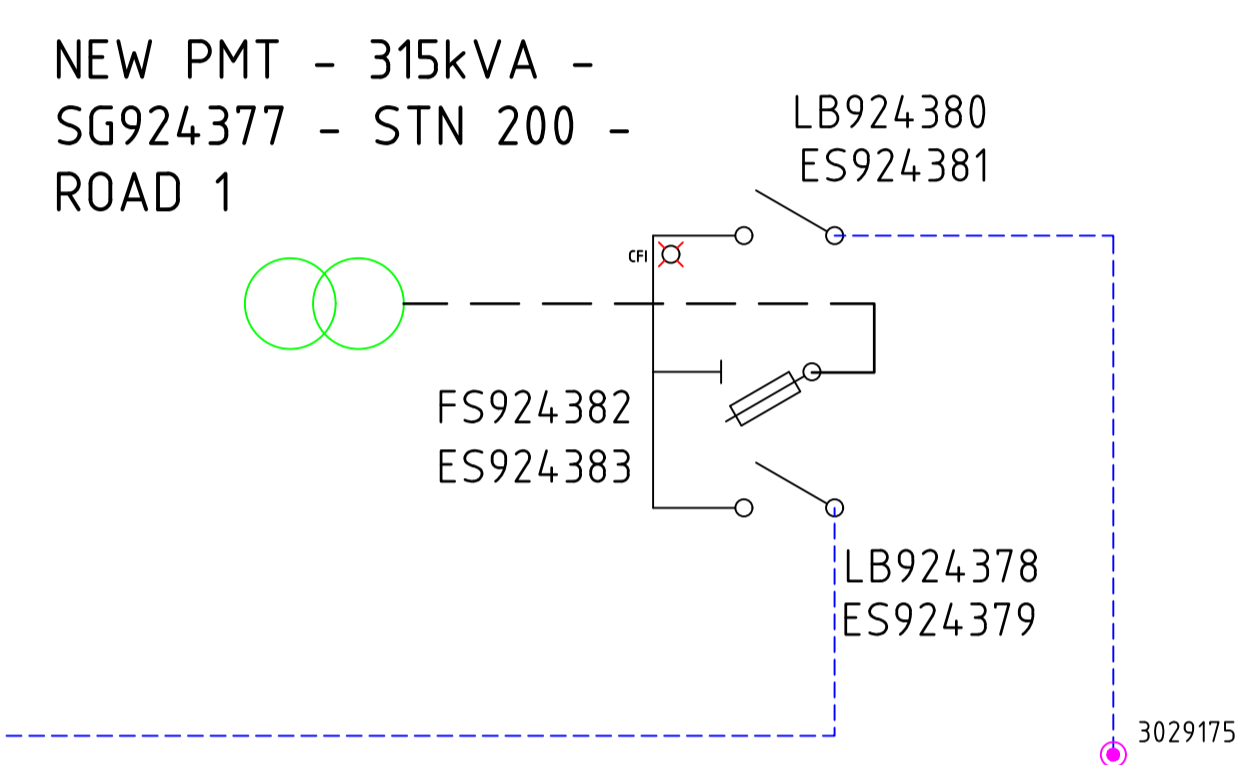
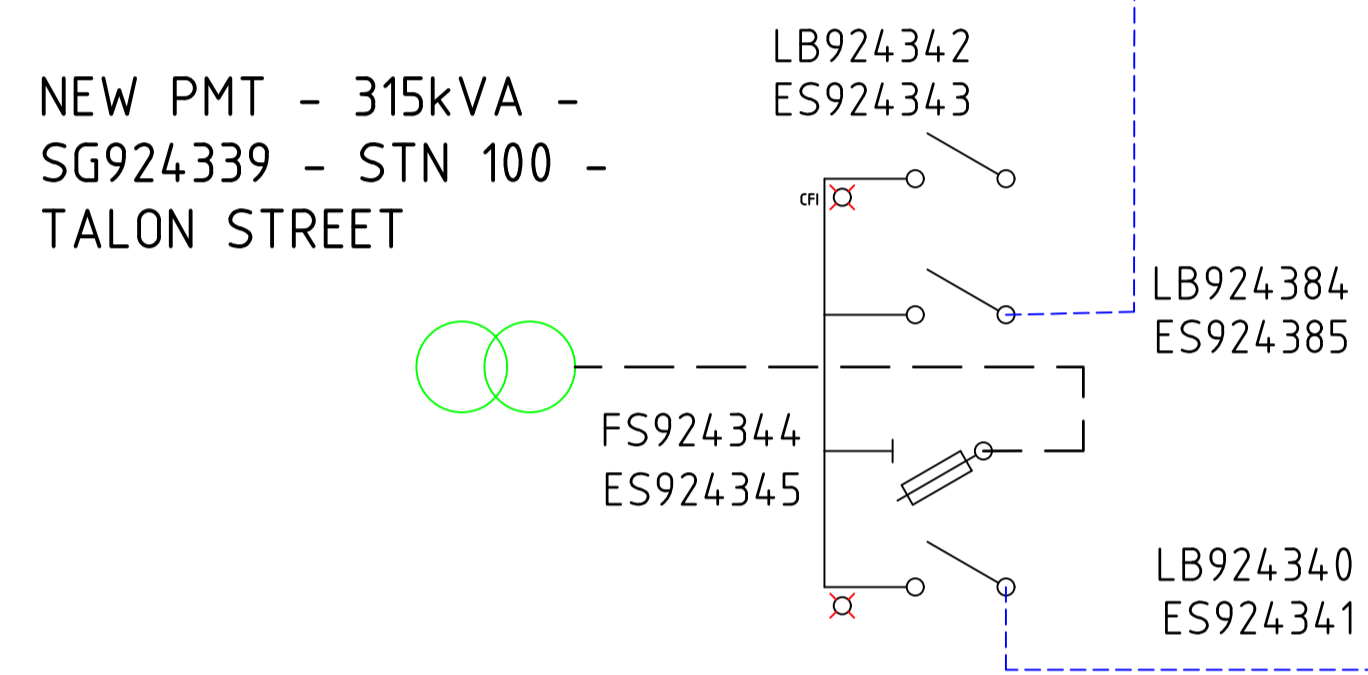
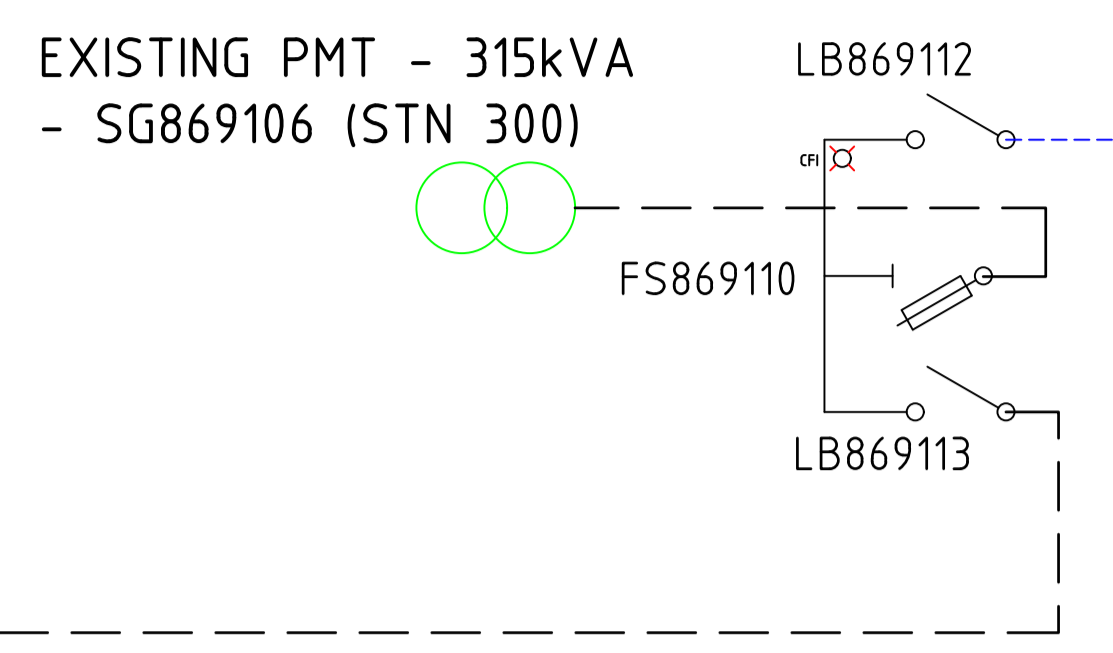
project
PETERS ROAD SUBDIVISION
MERINGANDAN STAGES 1,2 & 3

ERGON PROJECT: 1999778

ELECTRICAL SERVICES
date: FEB '25 scale: NTS @A1
designed: TM
drawn: TM
checked: JK
CAD file name: 25-0048 URD DWG

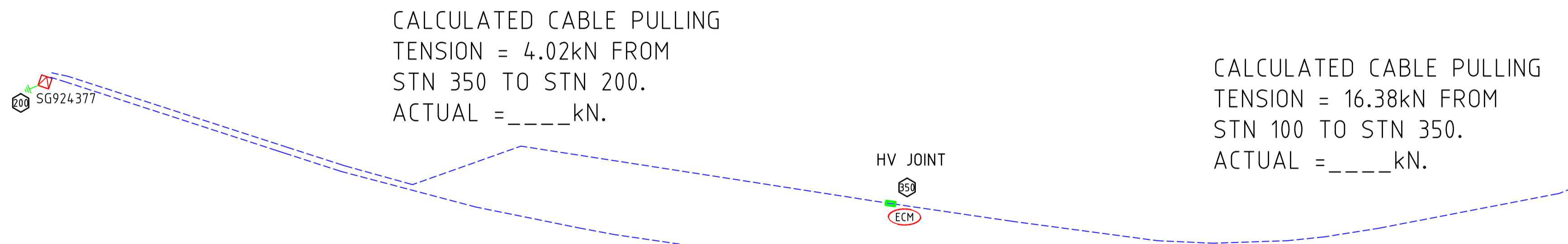
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job no. U09
sheet no. 9 of 10
issue A

CONSTRUCTION ISSUE



CONTINUED ON SHEET U09

HV SCHEMATIC

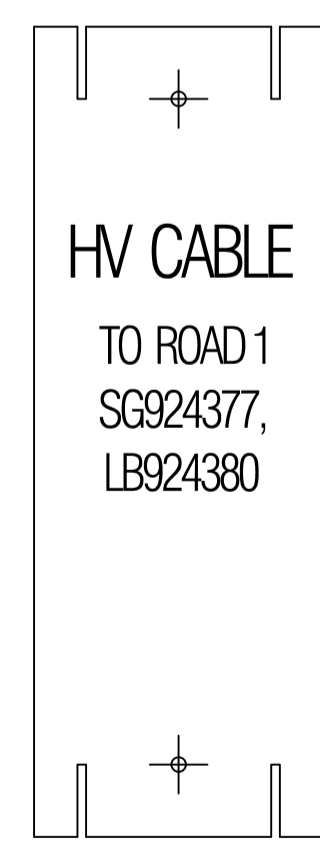


CALCULATED CABLE PULLING TENSION = 4.02kN FROM STN 350 TO STN 200.
ACTUAL = ____ kN.

CALCULATED CABLE PULLING TENSION = 16.38kN FROM STN 100 TO STN 350.
ACTUAL = ____ kN.

CALCULATED CABLE PULLING TENSION = 7.69kN FROM STN 302 TO STN 200.
ACTUAL = ____ kN.

HV SWITCHBOARD LABEL			AT ROAD 1 (STN 200) SG924377			
LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION		LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	LB924378	LB924380	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
			FS924382 - ES924383	CFI PROTECTED		
150x40	BW	20	ES924379	ES924381	FRONT	TRANSFORMER IDENTIFICATION
			SG924377			
150x50	BW	10	TO TALON STREET SG924339, LB924340	TO TRANSFORMER	CABLE BOX	CABLE DESTINATION
150x50	BW	10	TO TALON STREET SG924339, LB924340	TO TRANSFORMER	INSIDE SIDE WALL	CABLE DESTINATION



HV POLE LABEL AT POLE
3209175 GOOMBUNGEE
MERINGANDAN ROAD (STN 302)

ON COMPLETION, MARK UP THIS PRINT CLEARLY WITH ALL FINAL CHANGES AND RETURN TO NETWORK DATA GROUP FOR REGION.

CHANGES Yes / No. _____

COMPLETION DATE: _____

NAME: _____

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Signature: _____ Date: 12/06/25

Ashburner Francis consulting engineers
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□ TOWNSVILLE
□ DARWIN

project
PETERS ROAD SUBDIVISION
MERINGANDAN STAGES 1,2 & 3
ERGON PROJECT: 1999778

ELECTRICAL SERVICES
title
HV ELECTRICAL SCHEMATICS LABELS

date: FEB '25 scale: NTS @A1
designed: TM
drawn: TM
checked: JK
CAD file name: 25-0048 URD.DWG
25-0048 U10 P2
job no. sheet no. 10 of 10 issue