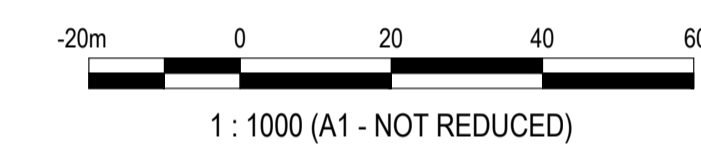


PLAN VIEW SCALE 1:1000



URD CONDUIT SCHEDULE - FOOTPATHS - BY ELECTRICAL CONTRACTOR

Table with columns: LOCATION, STATIONS FROM-TO, CONDUIT LENGTH (m) for 50mm, 100mm, 125mm, X-SECTION (m) for PVC CABLE PROTECTION, EXCAV/TAPE, TRENCH DETAIL, DRAW WIRE, KERB MARKERS, and REMARKS.

NOTES: 1. CONDUITS SHALL BE INSTALLED WITHIN A CORRIDOR 300-900mm FROM PROPERTY ALIGNMENT... 2. FOOTPATH CONDUITS SHALL HAVE MINIMUM 700mm COVER...

CONDUIT BENDING RADIUS (mm) table with columns: LOCATION, 50mm Ø, 100mm Ø, 125mm Ø.

SOURCE DOCUMENTS table with columns: CREATOR, DRAWING, DWG. NO., REV. NO., DATE.

ATTN: CIVIL CONTRACTOR THE CIVIL WORKS SHALL BE CONSTRUCTED TO CONFORM TO ENERGETX SPECIFICATIONS, AS FOLLOWS:

AS CONSTRUCTED DOCUMENTS The electrical contractor shall email the "as constructed" drawing, test results & closure documents to:

UNDERGROUND CABLE CERTIFICATION All cables detailed on this drawing have been checked using the cable locator described below and are, according to measurements taken...

ROCK EXCAVATION BY ELECTRICAL CONTRACTOR The electrical contractor shall: excavate electricity trenches to the depth required...

INSTALLATION OF RRA DESIGNED TELECOMMUNICATIONS CONDUITS Telecoms conduits and pits shall be supplied and installed by the civil and electrical contractors as specified on the associated RRA works plan.

GENERAL NOTES

In the event of conflict between this works plan and drawings and specifications of the relevant future asset owner, i.e. Energetx, Ergon, local authority, Department of Transport & Main Roads, NBN™, etc., the drawings and specifications of the future asset owner shall take precedence.

The contractor shall not accept a verbal instruction from any person to depart from the requirements of this works plan or RRA General Specification. Any departure from the works plan or specification must first be authorised in writing by the Contract Superintendent.

ELECTRICAL CONTRACTOR Nothing contained within these drawings issued to the contractor, in relation to any project, shall take precedence over the laws of the Commonwealth of Australia or the State of Queensland.

The works detailed on this drawing shall be constructed by a contractor holding the appropriate Energetx rating, in accordance with the following Documentation:

- All relevant Standard Work Procedures and Work Category Specifications
Underground Distribution Construction Manual
Overhead Construction Manual
Distribution Earth Manual
Network Labelling & Signage Manual
Queensland Public Lighting Construction Manual
\*As Constructed\* Drawing Standard

The Electrical Contractor shall be responsible to obtain current copies of the above specifications and documents. The Electrical Contractor shall ensure that all work crews have with them, on the job, at all time, copies of all relevant manuals and specifications.

CIVIL CONTRACTOR The installation of all electrical conduits shall be supervised by the holder of an electrical work licence - Electrical Safety Act 2002.

Energetx conduits and transformer site retaining walls shall be installed strictly in accordance with Energetx's specifications (see below). They will be inspected for compliance upon completion.

Where road-crossing conduits are installed deeper than usual (under culverts or pipes) they must rise to a depth of not more than 1200mm at each end.

The civil contractor shall install enveloping conduits under retaining walls behind pillars - two 100mm conduits into each lot (one for Electricity, one for Communications), 500mm deep behind the pillar, near ground level inside the lot.

Relevant specifications in Energetx's Underground Distribution Construction Manual are found at: Section C1: Conduits, Section C2: Excavation, Section C3: Transformer Sites

These sections of the manual can be downloaded from the following Energetx web site: https://swp.energetx.com.au/service\_providers/technical\_docs/asp/technical\_documents.asp

The civil contractor shall ensure that all conduits have been installed before constructing retaining walls, paths, driveways & water services. The civil contractor shall please inform the electrical contractor of any 'as constructed' departures from the civil design.

Care: Existing street lights shall not be recovered unless replacement street lights will be commissioned before nightfall. Lighting of new or altered existing roads might not comply with specified standards until new road lighting has been commissioned.

ON-SITE SERVICES CHECKS Robin Russell & Associates gives no warranty regarding the presence or location of buried services, including newly-installed services. 'As Constructed' locations may differ from what is drawn on this works plan.

Relevant specifications in Energetx's Underground Distribution Construction Manual are found at: Section C1: Conduits, Section C2: Excavation, Section C3: Transformer Sites

These sections of the manual can be downloaded from the following Energetx web site: https://swp.energetx.com.au/service\_providers/technical\_docs/asp/technical\_documents.asp

The civil contractor shall ensure that all conduits have been installed before constructing retaining walls, paths, driveways & water services. The civil contractor shall please inform the electrical contractor of any 'as constructed' departures from the civil design.

Care: Existing street lights shall not be recovered unless replacement street lights will be commissioned before nightfall. Lighting of new or altered existing roads might not comply with specified standards until new road lighting has been commissioned.

LEGEND: ELECTRICAL. Includes symbols for existing and proposed underground cables, future cables, bored conduits, station numbers, transformers, poles, service pillars, link pillars, LV links, LV link indicators, overhead electricity mains, HV and LV poles, LV poles, earth, street lights, NPL 3 streetlights, NPL 3 switchboards, consumer underground cables, and various conduit types.

ROAD LIGHTING CERTIFICATE

(Design documentation in accordance with the requirements of AS/NZS 1158.3.1 Appendix E)

ELEMENT DETAILS FLAG LIGHTING - STREET LIGHTS INSTALLED AT INTERSECTIONS, END OF CUL-DE-SACS & BENDS IN ROADS AS PER SOMERSET REGIONAL COUNCIL DA5613 (DATED 21/8/2019) CLAUSE 2.29.

INSTALLATION ARRANGEMENT / GEOMETRY Arrangement - varies (refer drawing), Mounting Height - varies (refer Lighting Schedule), Outreach - varies (refer Lighting Schedule), Upcast Angle - 0°, Spacing - N/A.

LUMINAIRE / LAMP DETAILS Luminaire Type - Avenue L17 (IP66), Lamp Type - 15W LED, Design Lumens - 1899, I Table No. - Modular LED 15W 4K 170326PHM.cie

LUMINAIRE / LAMP DETAILS Origin of Luminaire Data - Gerard Lighting Australia

LIGHT TECHNICAL PARAMETERS As per Somerset Regional Council specifications.

ROAD SURFACE REFLECTION CHARACTERISTICS R3

COMPUTER PROGRAM DETAILS Name of Computer Program - Perfect Lite, Source of program - Constant Energy, Compliance - N/A.

ROAD LIGHTING MAINTENANCE SCHEDULE The maintenance factor and maintenance regime are the responsibility of the Asset Owner (Energy Queensland). This design utilises the following maintenance factors:

URD CONDUIT SCHEDULE - ROADWAYS - BY CIVIL CONTRACTOR

Table with columns: LOCATION, STATIONS FROM-TO, CONDUIT LENGTH (m) for 50mm, 100mm, 125mm, X-SECTION (m) for PVC CABLE PROTECTION, EXCAV/TAPE, TRENCH DETAIL, DRAW WIRE, KERB MARKERS, and REMARKS.

NOTES: 1. ROAD CROSSING CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE ENERGETX UNDERGROUND DISTRIBUTION CONSTRUCTION (UDC) MANUAL. 2. ROAD CROSSING CONDUITS SHALL HAVE A MINIMUM COVER OF 800mm AT ALL PLACES UNDER THE ROAD, EXCEPT UNDER STATE-CONTROLLED 'MAIN' ROADS...

FOR CONSTRUCTION

TELECOMMUNICATIONS INFRASTRUCTURE CONDUITS & PITS to be designed by: Robin Russell & Associates, to be installed by: civil & electrical contractors, to be owned by: [blank], to be provided by: NBNCo Limited.

SITE INFORMATION TOTAL NUMBER OF LOTS 28, PROPERTY DESCRIPTION PROPOSED LOTS 52 - 79, CANCELLING LOT 461 ON CC58.

CONSTRUCTION CONTACTS ELECTRICAL ENGINEER ROBIN RUSSELL & ASSOCIATES PTY LTD, DESIGNER WILLIAM SCHARDT ph: 0419 778 552, CIVIL ENGINEER INERTIA ENGINEERING, SURVEYOR MINSTAFF SURVEY.

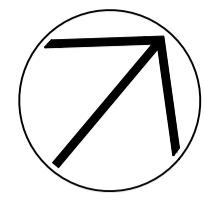
Revision table with columns: DATE, REV, REVISION, APP, DATE, REV, REVISION, APP, CURRENT REVISION CHANGES.

Robin Russell & Associates Pty. Ltd. CONSULTING ENGINEERS - ELECTRICAL. 204/6 Sabana Street, Stafford, QLD 4053.

Project summary table with columns: COUNCIL, SOMERSET, DESIGNED, W.Schardt, DRAWN, B.Hyland, CHECKED, B.Ryan, APPROVED, ROBIN RUSSELL RPEQ 1546, SIGNED, DATE 02/11/2021.

LOCATION PARKLANDS AT CLARENDON - STAGE 2C CLARENDON ROAD RIFLE RANGE, DRAWING No. D178-01 A, ENERGETX PROJECT No. S0106794, SHEET No. 1 OF 6.

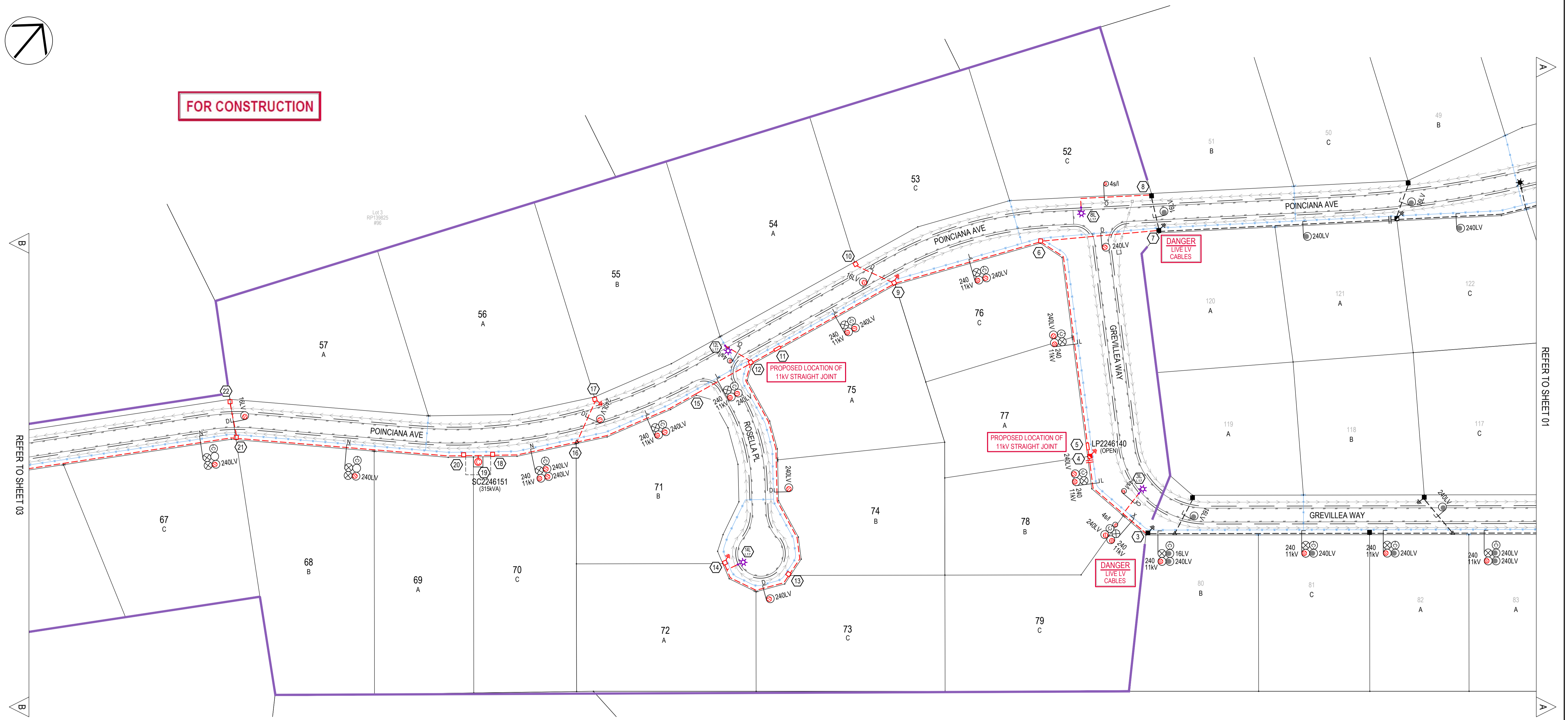




**FOR CONSTRUCTION**

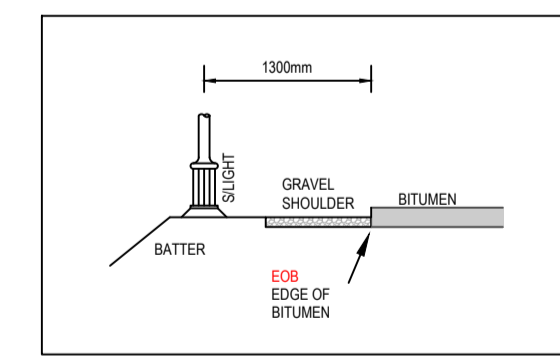
REFER TO SHEET 03

REFER TO SHEET 01



**RATE 2 - STREETLIGHT SCHEDULE**

LOCATION	STN No.	SITE ID (POLE No.)	POLE OR COMPONENTS					LANTERN					OUTREACH BRACKET				MOUNT HT (m)	REMARKS				
			COMP ID	EX (m)	REC (m)	ER (m)	CJ ID	ALIGN (m)	COMP ID	EX	RECOVER LUMIN	CUST	DATE DE-ENERG	ERECT LUMIN	CUST	DATE ENERG			CJ ID	EX (m)	REC (m)	ER (m)
GREVILLEA WAY	3L	P2246161	P01			4.5m BPM	SLNOS3CI	1300 EOB	SL1				L17L2	SSET		SLEDGL01715					5.1	BLACK AVENUE
POINCIANA AVE	8L	P2246162	P01			4.5m BPM	SLNOS3CI	1300 EOB	SL1				L17L2	SSET		SLEDGL01715					5.1	BLACK AVENUE
	12L	P2246163	P01			4.5m BPM	SLNOS3CI	1300 EOB	SL1				L17L2	SSET		SLEDGL01715					5.1	BLACK AVENUE
ROSELLA PL	14L	P2246164	P01			4.5m BPM	SLNOS3CI	1300 EOB	SL1				L17L2	SSET		SLEDGL01715					5.1	BLACK AVENUE
POINCIANA AVE	27L	P2244159	P01			4.5m BPM	SLNOS3CI	1300 EOB	SL1				L17L2	SSET		SLEDGL01715					5.1	BLACK AVENUE
WYATTS ROAD	28L	P2244160	P01			4.5m BPM	SLNOS3CI	1300 EOB	SL1				L17L2	SSET		SLEDGL01715					5.1	BLACK AVENUE

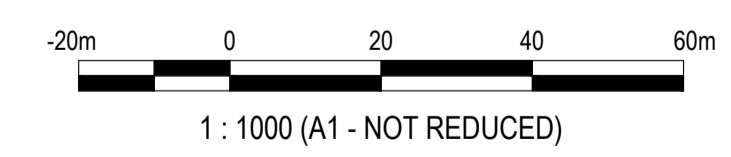


SOMERSET REGIONAL COUNCIL STREET LIGHT ALIGNMENT NTS

**STREETLIGHT SETOUTS**

STN	EASTING	NORTHING
3L	455293.387	6962896.587
8L	455178.406	6962990.238
12L	455085.932	6962821.607
14L	455161.693	6962741.243
27L	454476.737	6962080.099
28L	454398.503	6962038.484

CONTRACTOR SHALL ENSURE THAT CORRECT ALIGNMENTS AS PER COUNCIL REQUIREMENTS ARE MET PRIOR TO INSTALLATION.



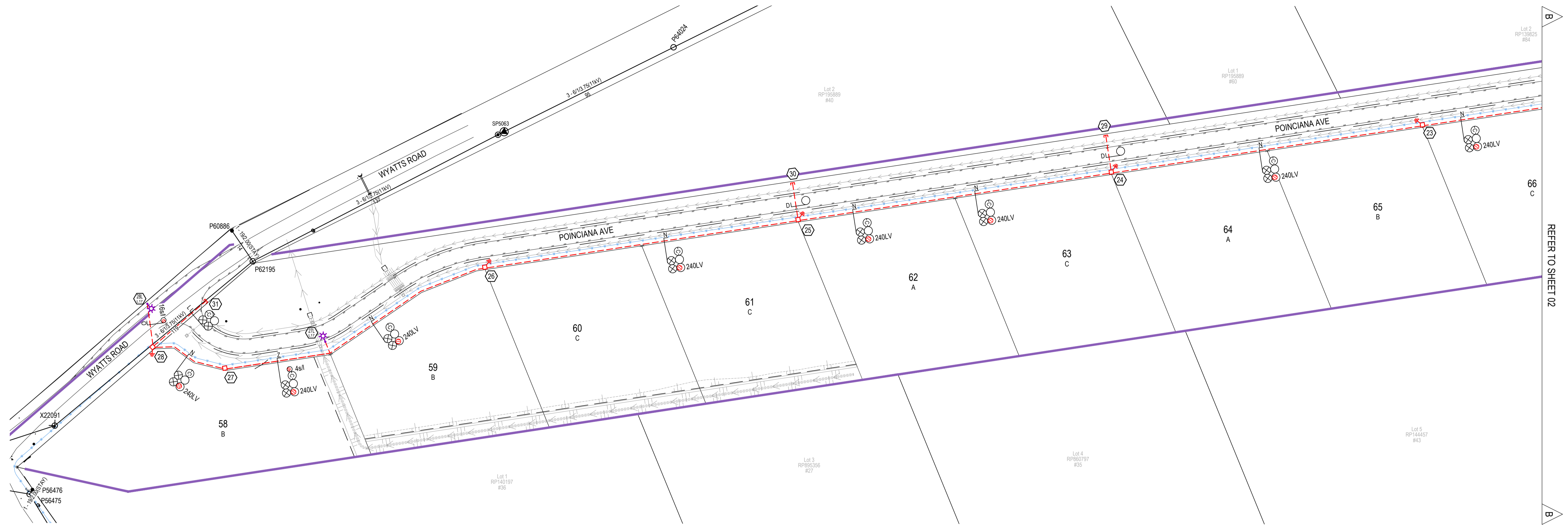
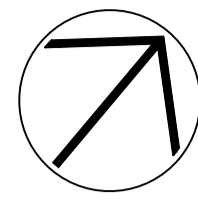
1 : 1000 (A1 - NOT REDUCED)

DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:	<p><b>Robin Russell</b> &amp; ASSOCIATES PTY. LTD. CONSULTING ENGINEERS - ELECTRICAL</p>	<p>SUBDIVISION ELECTRICAL SERVICES 204/6 Sabana Street, Stafford, QLD 4053 Tel: (07) 3872 5555 Fax: (07) 3872 5556 Email: m@robusr.com.au www.robusr.com.au A.B.N. 78 010 589 661</p>	COUNCIL	SOMERSET	DESIGNED	W.Schardt	DESCRIPTION	ELECTRICITY RETICULATION - RESIDENTIAL	LOCATION	PARKLANDS AT CLARENDON - STAGE 2C CLARENDON ROAD RIFLE RANGE	DRAWING No.	<b>D178-02 A</b>
02/11/2021	A	FOR CONSTRUCTION	R.R.								COUNCIL REF	DA5613	DRAWN	B.Hyland	CLIENT	PARKLANDS AT CLARENDON PTY LTD	ENERGEX PROJECT No.	<b>S0106794</b>	SHEET No.	<b>2 OF 6</b>
											DWT REV.	V53-3 20210504	CHECKED	B.Ryan						
											DATE	02/11/2021	APPROVED	ROBIN RUSSELL RPEQ 1546						
													SIGNED	<i>Robin Russell</i>						

A1

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REFER TO SHEET 02

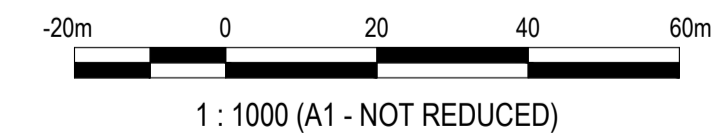
**MATERIALS SUMMARY - S0106794**

UNDERGROUND			
MODEL No.	QTY	MODEL No.	QTY
ADE	9	1043-1	2
LV4CMEN	9	11ST24/24X	3
LVPT4C240	2	1350-2	1
LVSP12-6	2	1CF09524XLG	1
LVSP14-6	1	2DBSTA24D	1
LVSP2-6	1	DSHV3SLK	1
LVSP2-6SL	2	DSL2VF25	1
LVSP4-6	8	DSL2VF31	1
LVSP4-6SL	1	DSPMSEGS	1
LVSP9-6	2	DSPMTEGSA	1
LVSP9-6SL	1	S2475036	1
LVSP1240	2	SC0019959	1
		SC0019960	1
		SUGSLPIL	2
		SCS820363	1059
		SCS820364	1864
TOTAL		SCS820365	51
TRENCH LENGTH	1602		

STREET LIGHTING			
MODEL No.	QTY	MODEL No.	QTY
SLEDGL01715	6	LVC24PVPV	183
SLNOS3CI	6	LVC216PVPV	27
SUGSLPIL	6		

**FOR CONSTRUCTION**



DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:
02/11/2021	A	FOR CONSTRUCTION	R.R.					

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 Fax: (07) 3872 5556  
 Email: m@robrus.com.au  
 www.robrus.com.au  
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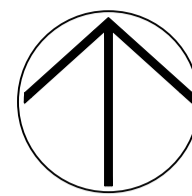
COUNCIL	SOMERSET	DESIGNED	W.Schardt
COUNCIL REF	DA5613	DRAWN	B.Hyland
UBD REF	Map Grd	CHECKED	B.Ryan
DWT REV.	V53-3 20210504	APPROVED	ROBIN RUSSELL RPEQ 1546
DATE	02/11/2021	SIGNED	<i>Robin Russell</i>

DESCRIPTION	ELECTRICITY RETICULATION - RESIDENTIAL
CLIENT	PARKLANDS AT CLARENDON PTY LTD

LOCATION  
**PARKLANDS AT CLARENDON - STAGE 2C  
 CLARENDON ROAD  
 RIFLE RANGE**

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DRAWING No.	<b>D178-03 A</b>
ENERGEX PROJECT No.	<b>S0106794</b>
SHEET No.	<b>3 OF 6</b>



Tentative only; subject to amendment by ENERGEX outage coordinator.

**SWITCHING ONE** - Commission 11kV underground; Commission SC2246151.

- 1 x Simple HV & LV
- Open IS34 of SC2245761
- Terminate the new 240mm HV cable on the spare HV isolator IS34 in the HV RMU at station 1.
- Carry out commissioning checks and reverse switching.
- Commission SC2246151

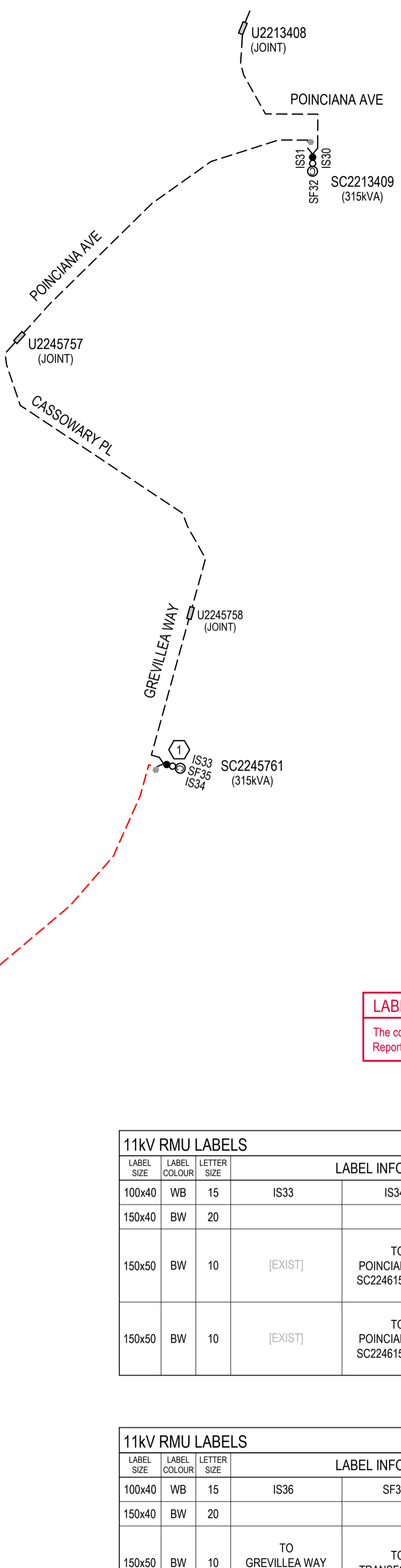
**SWITCHING TWO**

- 1 x LV Switching
- Following a satisfactory site specific risk assessment by the Electrical Contractor terminate the new, 240mm LV cable on the spare LV switch-fuse in the **LIVE** LV Switchboard at station 19.
- Carry out commissioning checks and reverse switching.
- Commission LV Circuit SC2246151 CCT 1
- Open Links of LP2245779

**SWITCHING THREE**

- 1 x LV Switching
- Following a satisfactory site specific risk assessment by the Electrical Contractor terminate the new 240mm LV cable on the spare LV switch-fuse in the **LIVE** LV Switchboard at station 19.
- Carry out commissioning checks and reverse switching.
- Commission LV Circuit SC2246151 CCT 2

Where interruptions to existing consumers are required, they shall be notified in line with ENERGEX policies.

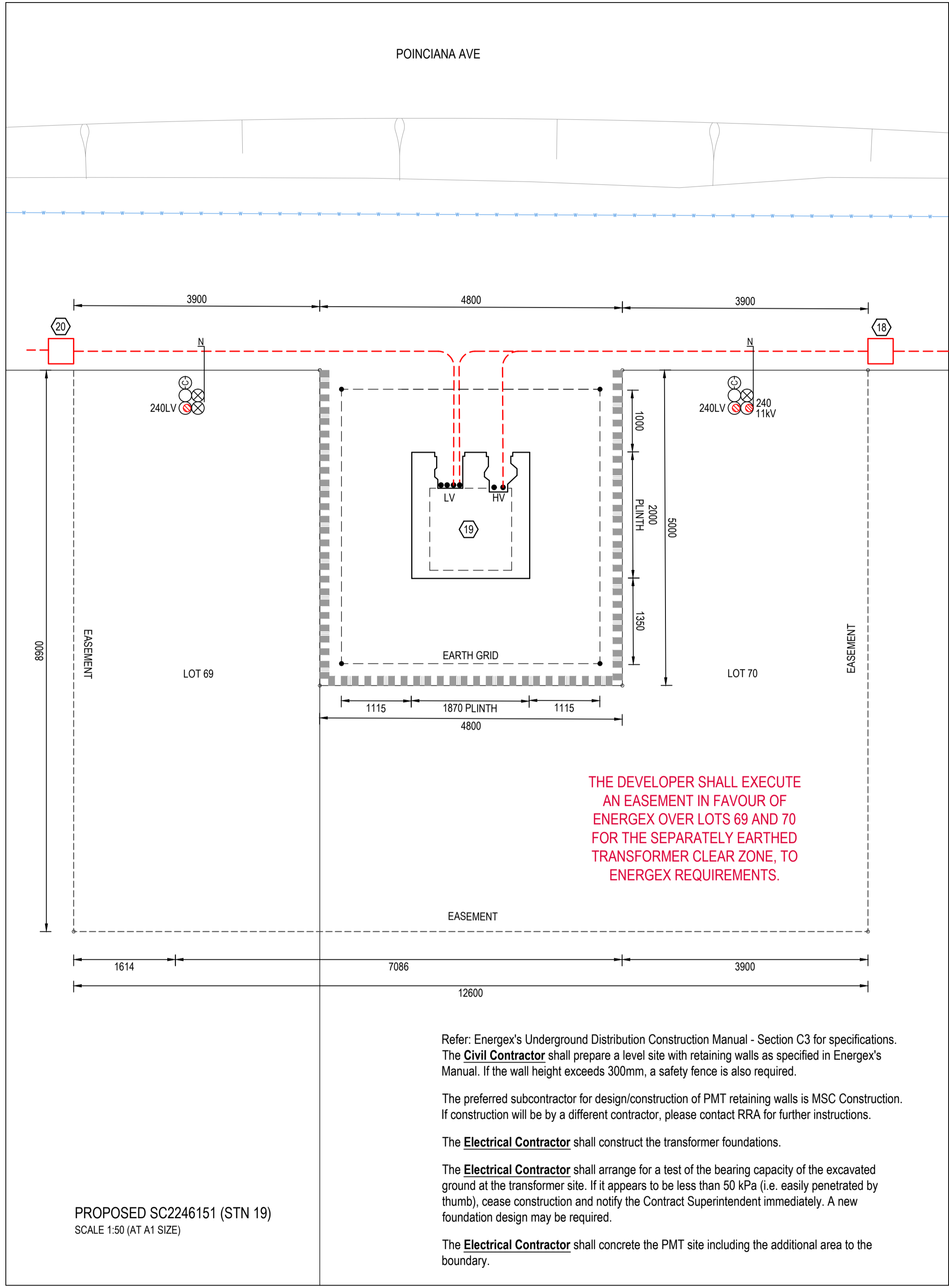


**LABELS**

The contractor shall check label details against existing labels on site. Report any discrepancies immediately to the Contract Superintendent.

11kV RMU LABELS			AT GREVILLEA WAY (STN 1) SC2245761				
LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION			LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	IS33	IS34	SF35	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x40	BW	20				FRONT	FEDDER IDENTIFICATION
150x50	BW	10	[EXIST]	TO POINCIANA AVE SC2246151 - IS36	[EXIST]	CABLE BOX	CABLE DESTINATION
150x50	BW	10	[EXIST]	TO POINCIANA AVE SC2246151 - IS36	[EXIST]	INSIDE SIDE WALL	CABLE DESTINATION

11kV RMU LABELS			AT POINCIANA AVE (STN 19) SC2246151				
LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION			LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	IS36	SF37	IS38	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x40	BW	20				FRONT	FEDDER IDENTIFICATION
150x50	BW	10		TO GREVILLEA WAY SC2245761 - IS34	TO TRANSFORMER	CABLE BOX	CABLE DESTINATION
150x50	BW	10		TO GREVILLEA WAY SC2245761 - IS34	TO TRANSFORMER	INSIDE SIDE WALL	CABLE DESTINATION



Refer: Energex's Underground Distribution Construction Manual - Section C3 for specifications. The **Civil Contractor** shall prepare a level site with retaining walls as specified in Energex's Manual. If the wall height exceeds 300mm, a safety fence is also required.

The preferred subcontractor for design/construction of PMT retaining walls is MSC Construction. If construction will be by a different contractor, please contact RRA for further instructions.

The **Electrical Contractor** shall construct the transformer foundations.

The **Electrical Contractor** shall arrange for a test of the bearing capacity of the excavated ground at the transformer site. If it appears to be less than 50 kPa (i.e. easily penetrated by thumb), cease construction and notify the Contract Superintendent immediately. A new foundation design may be required.

The **Electrical Contractor** shall concrete the PMT site including the additional area to the boundary.

**FOR CONSTRUCTION**

**EXISTING & PROPOSED HV SCHEMATIC**  
SCALE 1:2500 AT A1  
ALL NEW HV CABLES TO BE 3 x 1c 240mm AI TRIPLEX (UNO)

DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:
02/11/2021	A	FOR CONSTRUCTION	R.R.					

**Robin Russell**  
& ASSOCIATES PTY. LTD.  
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www.robinrussell.com.au  
A.B.N. 78 010 589 661

COUNCIL	SOMERSET	DESIGNED	W.Schardt
COUNCIL REF	DA5613	DRAWN	B.Hyland
UBD REF	Map Grd	CHECKED	B.Ryan
DWT REV.	V53-3 20210504	APPROVED	ROBIN RUSSELL RPEQ 1546
DATE	02/11/2021	SIGNED	<i>Robin Russell</i>

DESCRIPTION	ELECTRICITY RETICULATION - RESIDENTIAL
CLIENT	PARKLANDS AT CLARENDON PTY LTD

LOCATION **PARKLANDS AT CLARENDON - STAGE 2C CLARENDON ROAD RIFLE RANGE**

DRAWING No. **D178-04 A**

ENERGEX PROJECT No. **S0106794**

SHEET No. **4 OF 6**

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**LABELS**  
 The contractor shall check label details against existing labels on site.  
 Report any discrepancies immediately to the Contract Superintendent.

LV LINK PILLAR LABELS					AT GREVILLE WAY (STN 4) LP2246140
CIRCUIT DIRECTION	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION	
LHS	150x50	WB	5	TO GREVILLE WAY SC2245761 AND SERVICES	
RHS	150x50	WB	5	TO POINCIANA AVE SC2246151 / POINCIANA AVE LP2245779 AND SERVICES	

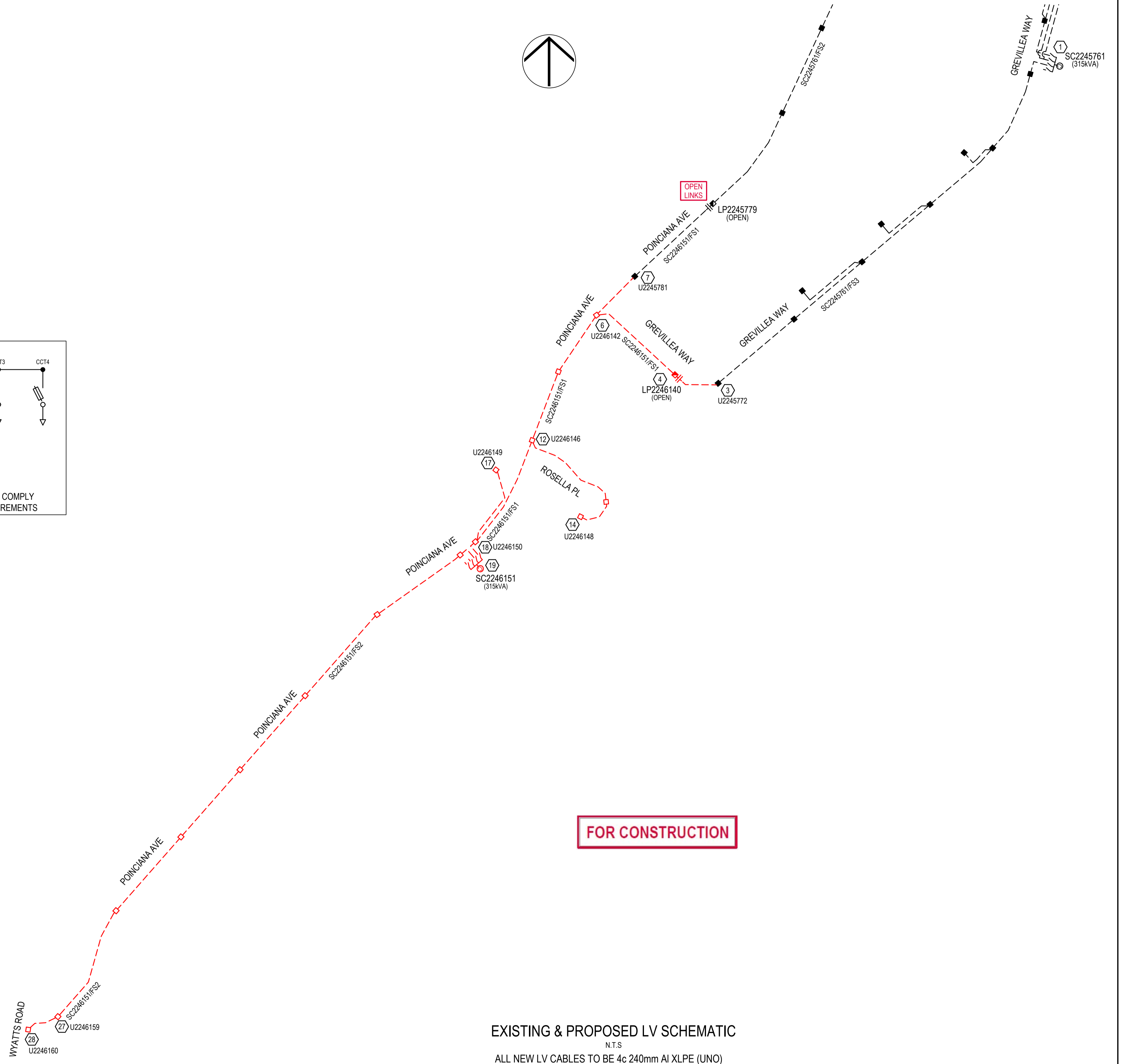
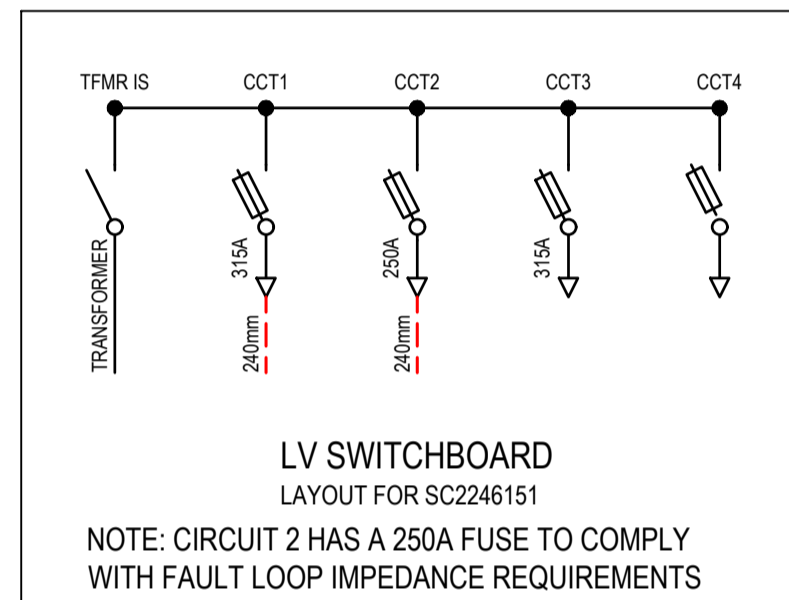
LHS & RHS AS VIEWED FROM ROAD TO PILLAR

LV LINK PILLAR LABELS					AT POINCIANA AVE LP2245779
CIRCUIT DIRECTION	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION	
LHS	150x50	WB	5	[EXIST]	
RHS	150x50	WB	5	TO POINCIANA AVE SC2246151 / GREVILLE WAY LP2246140 AND SERVICES	

LHS & RHS AS VIEWED FROM ROAD TO PILLAR

LV SWITCHBOARD LABELS					AT GREVILLE WAY (STN 1) SC2245761
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION	
TRANSF. ISOLATOR	80x35	WB	6	TRANSFORMER ISOLATOR	
1	80x35	WB	5	[EXIST]	
2	80x35	WB	5	[EXIST]	
3	80x35	WB	5	TO GREVILLE WAY LP2246140 AND SERVICES	
4	80x35	WB	5	[SPARE]	

LV SWITCHBOARD LABELS					AT POINCIANA AVE (STN 19) SC2246151
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION	
TRANSF. ISOLATOR	80x35	WB	6	TRANSFORMER ISOLATOR	
1	80x35	WB	5	TO GREVILLE WAY LP2246140 / POINCIANA AVE LP2245779 AND SERVICES	
2	80x35	WB	5	TO WYATTS ROAD U2246160 AND SERVICES	
3	80x35	WB	5	[SPARE]	
4	80x35	WB	5	[SPARE]	



EXISTING & PROPOSED LV SCHEMATIC  
 N.T.S.  
 ALL NEW LV CABLES TO BE 4c 240mm AI XLPE (UNO)

DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:
02/11/2021	A	FOR CONSTRUCTION	R.R.					

**Robin Russell**  
 & ASSOCIATES PTY. LTD.  
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 www.robrus.com.au  
 A.B.N. 78 010 589 661

COUNCIL	SOMERSET	DESIGNED	W.Schardt
COUNCIL REF	DA5613	DRAWN	B.Hyland
UBD REF	Map Grd	CHECKED	B.Ryan
DWT REV.	V53-3 20210504	APPROVED	ROBIN RUSSELL RPEQ 1546
DATE	02/11/2021	SIGNED	<i>Robin Russell</i>

DESCRIPTION	ELECTRICITY RETICULATION - RESIDENTIAL
CLIENT	PARKLANDS AT CLARENDON PTY LTD

LOCATION	PARKLANDS AT CLARENDON - STAGE 2C CLARENDON ROAD RIFLE RANGE
ENERGEX PROJECT No.	S0106794

DRAWING No.	D178-05 A
SHEET No.	5 OF 6

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EQUIPMENT SCHEDULE

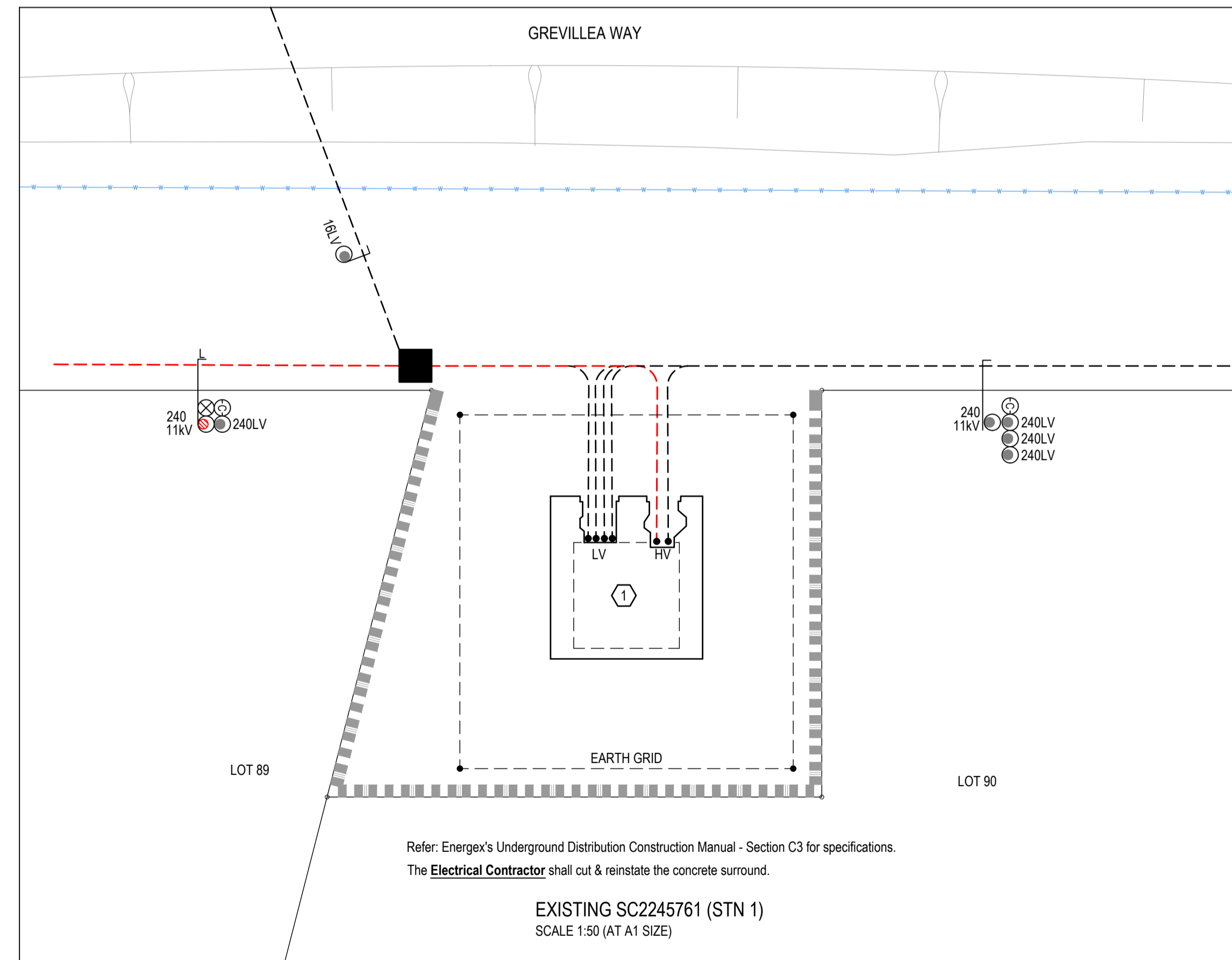
LOCATION	STN No.	SITE ID.	EX	REC	IN	SIZE AND DESCRIPTION	COMP ID	CU CODE	QTY	REMARKS
GREVILLEA WAY	1	SC2245761	*			EXISTING TRANSFORMER TO REMAIN 240mm <sup>2</sup> 11kV CFC TERM IN PADMOUNT CONCRETE SURROUND		2DBSTA24D	1	KIT CONTAINS 3x ELBOWS CONTRACTOR TO CUT, REMOVE AND REINSTATE
	2	U2246139				11kV STRAIGHT JOINT	CJ1	11ST24/24X	1	240/240 AL TRIPLEX
	3	U2245772	*			1 WAY PILLAR 240mm 4 CORE CABLE LV LUG SET ADDITIONAL FUSE HOLDER - PANEL MOUNTED STREET LIGHT FUSE - 32AMP		LVSP14-6 1043-1 SUGSLPIL	1 1 1	CONVERT TO 2 WAY 1x240LV 1x4SL
POINCIANA AVE	4	LP2246140				LINK PILLAR 2 WAY PILLAR MEN EARTHING	PI3	LVSP14-6 LV4CMEN	1 1	2x240LV
	5	U2246141				11kV STRAIGHT JOINT	CJ1	11ST24/24X	1	240/240 AL TRIPLEX
	6	U2246142	*			3 WAY PILLAR	PI1	LVSP9-6	1	3x240LV
ROSELLA PL	7	U2245781	*			1 WAY PILLAR 240mm 4 CORE CABLE LV LUG SET		LVSP14-6	1	CONVERT TO 2 WAY 1x240LV
	8	U2245782	*			CROSS-ROAD PILLAR ADDITIONAL FUSE HOLDER - PANEL MOUNTED STREET LIGHT FUSE - 32AMP		1043-1 SUGSLPIL	1 1	EXISTING TO REMAIN 1x4SL
	9	U2246143	*			2 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP4-6 LV4CMEN	1 1	2x240LV, 1x16LV
POINCIANA AVE	10	U2246144	*			CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	11	U2246145	*			11kV STRAIGHT JOINT	CJ1	11ST24/24X	1	240/240 AL TRIPLEX
	12	U2246146	*			3 WAY PILLAR + SL	PI1	LVSP9-6SL	1	3x240LV, 1x4SL
ROSELLA PL	13	U2246147	*			2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV
	14	U2246148	*			1 WAY PILLAR + SL PILLAR MEN EARTHING	PI1	LVSP2-6SL LV4CMEN	1 1	1x240LV, 1x4SL
POINCIANA AVE	16		*			CABLE MARKER PLATE		1350-2	1	
	17	U2246149	*			1 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP2-6 LV4CMEN	1 1	1x240LV
	18	U2246150	*			3 WAY PILLAR	PI1	LVSP9-6	1	3x240LV
	19	SC2246151	*			PADMOUNT TRANSFORMER - 315kVA CFC BASE SLAB UNICULVERT CONCRETE SURROUND SEPARATE EARTH GRID FOR SQUARE PMT ADDITIONAL EARTH HV FUSE SET FOR 315kVA SWITCHGEAR 240mm <sup>2</sup> 11kV CFC TERM IN PADMOUNT 315A LV FUSE LINK FOR LV BOARD 250A LV FUSE LINK FOR LV BOARD LV TERMINATION	TR1	S2475036 SC0019960 SC0019959 DSPMSEGS DSPMTEGSA DSHFV3SLK 1CF93624XLG DSLVF31 DSLVF25 LVPT4C240	1 1 1 1 1 1 1 1 1 2	CONTRACTOR SUPPLIED CONTRACTOR SUPPLIED CONTRACTOR SUPPLIED        KIT CONTAINS 3x ELBOWS
	20	U2246152	*			2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV
	21	U2246153	*			2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV, 1x16LV
	22	U2246154	*			CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	23	U2246155	*			2 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP4-6 LV4CMEN	1 1	2x240LV
	24	U2246156	*			2 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP4-6 LV4CMEN	1 1	2x240LV
	25	U2246157	*			2 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP4-6 LV4CMEN	1 1	2x240LV
WYATTS ROAD	26	U2246158	*			2 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP4-6 LV4CMEN	1 1	2x240LV
	27	U2246159	*			2 WAY PILLAR + SL	PI1	LVSP4-6SL	1	2x240LV, 1x4SL
	28	U2246160	*			1 WAY PILLAR + SL PILLAR MEN EARTHING	PI1	LVSP2-6SL LV4CMEN	1 1	1x240LV, 1x4SL

FOR CONSTRUCTION

UNDERGROUND CABLE SCHEDULE

LOCATION	STATIONS FROM - TO	VOLTS	EX	REC	IN	CABLE SIZE/TYPE	CU CODE	CABLE LENGTH (m)		REMARKS	
								NEW	REC		
GREVILLEA WAY	1	2	11kV			240mm <sup>2</sup> Al 3X1C TR XLPE/SCREEN/HDPE	SCS820363	276			
	2	5	11kV			240mm <sup>2</sup> Al 3X1C TR XLPE/SCREEN/HDPE	SCS820363	296			
	3	3L	SL			4mm <sup>2</sup> Cu 2C PVC/PVC	LVC24PVPV	32			
	3	4	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	54			
	4	6	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	120			
	5	11	11kV			240mm <sup>2</sup> Al 3X1C TR XLPE/SCREEN/HDPE	SCS820363	260			
	POINCIANA AVE	6	7	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	61		
		6	9	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	81		
		8	8L	SL			4mm <sup>2</sup> Cu 2C PVC/PVC	LVC24PVPV	43		
		9	10	LV			16mm <sup>2</sup> Cu 4C XLPE/PVC	SCS820365	26		
		9	12	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	87		
		11	19	11kV			240mm <sup>2</sup> Al 3X1C TR XLPE/SCREEN/HDPE	SCS820363	177		
		12	12L	SL			4mm <sup>2</sup> Cu 2C PVC/PVC	LVC24PVPV	21		
12		13	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	119			
12		18	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	145			
13		14	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	46			
ROSELLA PL	14	14L	SL		4mm <sup>2</sup> Cu 2C PVC/PVC	LVC24PVPV	15				
POINCIANA AVE	17	18	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	71			
	18	19	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	21			
	19	20	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	21			
	20	21	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	119			
	21	22	LV			16mm <sup>2</sup> Cu 4C XLPE/PVC	SCS820365	23			
	21	23	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	169			
	23	24	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	158			
	24	25	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	159			
	25	26	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	159			
	26	27	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	143			
	27	27L	SL			4mm <sup>2</sup> Cu 2C PVC/PVC	LVC24PVPV	63			
	27	28	LV			240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	42			
	28	28L	SL			16mm <sup>2</sup> Cu 2C PVC/PVC	LVC216PVPV	26			
	WYATTS ROAD										
VARIANCE		5%									
TOTALS						240mm <sup>2</sup> Al 3X1C TR XLPE/SCREEN/HDPE	SCS820363	1059			
						240mm <sup>2</sup> Al 4C XLPE/PVC	SCS820364	1864			
						16mm <sup>2</sup> Cu 4C XLPE/PVC	SCS820365	51			
						4mm <sup>2</sup> Cu 2C PVC/PVC	LVC24PVPV	183			
						16mm <sup>2</sup> Cu 2C PVC/PVC	LVC216PVPV	27			

NOTES:  
1. THE CONTRACTOR SHALL MEASURE ACTUAL CABLE LENGTHS REQUIRED, AFTER INSTALLATION OF CONDUITS, THEN ORDER CABLE ACCORDINGLY.



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