

1:500 (A1 - NOT REDUCED)

PROPOSED COMMISSIONING PLAN

Tentative only; subject to amendment by ENERGEX outage coordinator.

- SWITCHING ONE
- 1 x HV Switching + 1 x LV Switching1 x HV Cable ID & Spike
- Isolate 11kV at SC12632281 IS75. ENERGEX to identify and spike 11kV cable at Stn 1
- Cut and joint 11kV cable at Stations 1 and 2.
- Carry out commissioning checks and reverse switching.Commission SC12713388.

SWITCHING TWO

- 1 x LV Switching
- Following a satisfactory site specific risk assessment by the Electrical Contractor, terminate the new 240mm LV cable at the existing LIVE LV pillar at Stn 3 (U12709546).
- Following a satisfactory site specific risk assessment by the Electrical Contractor, terminate the new 240mm LV cable at the existing LIVE LV
- Carry out commissioning checks and reverse switching.
 Commission LV Circuit 3 of SC12632281.

SWITCHING THREE

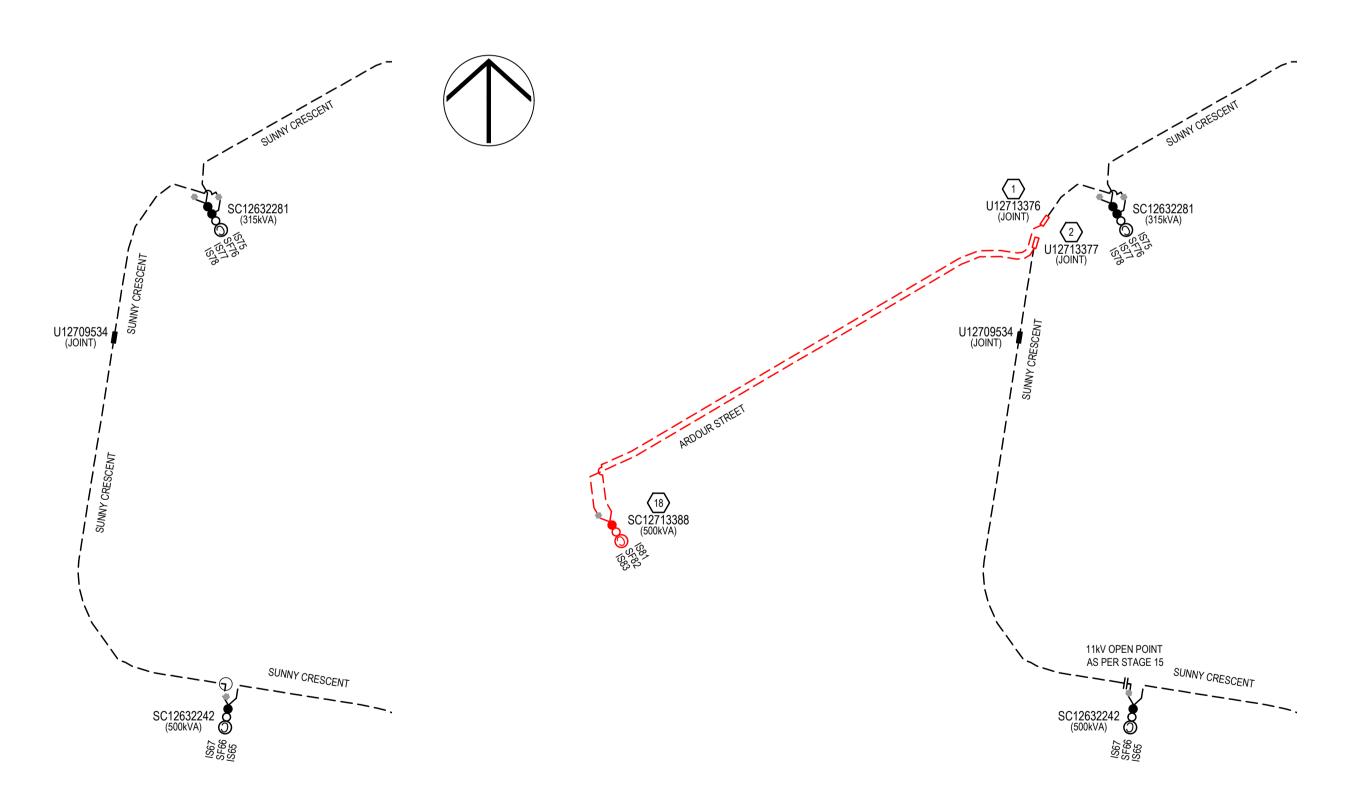
- 1 x LV Switching Following a satisfactory site specific risk assessment by the Electrical Contractor, terminate the new 240mm LV cable at the existing LIVE LV
- Following a satisfactory site specific risk assessment by the Electrical Contractor, terminate the new 240mm LV cable at the existing LIVE LV pillar at Stn 33 (U12711280).
- Carry out commissioning checks and reverse switching.
 Commission LV Circuit 3 of SC12632242.

SWITCHING FOUR to FIVE

- 2 x LV Switching
- Following a satisfactory site specific risk assessment by the Electrical Contractor, terminate each new 240mm LV cable on the spare LV switch-fuses in the LIVE LV Switchboard at Stn 18.
- Carry out commissioning checks and reverse switching.

• Commission each LV Circuit of SC12713388.

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



PROPOSED 11kV SCHEMATIC SCALE 1:1500 ALL NEW HV CABLES TO BE 3 x 1c 240mm AI TRIPLEX (UNLESS NOTED OTHERWISE)

11kV RMU LABELS AT SUNNY CRESCENT SC12632281 LABEL LABEL LOCATION DESCRIPTION LABEL INFORMATION NEAR ISOLATOR ISOLATOR IDENTIFICATION 100x40 WB 15 FRONT IDENTIFICATION 150x40 BW 20 CABLE BOX CABLE [EXIST] [EXIST] ARDOUR STREET DESTINATION SC12713388 - IS81 TO INSIDE SIDE WALL [EXIST] [EXIST] ARDOUR STREET DESTINATION SC12713388 - IS81

THE DEVELOPER SHALL EXECUTE AN EASEMENT (STANDARD EASEMENT CONDITIONS DEALING NO 708346714) IN FAVOUR OF ENERGEX OVER THE GREEN SHADED AREA SHOWN. NO RESIDENTIAL DWELLING SHALL BE CONSTRUCTED IN THE EXCLUSION ZONE (TO ADDRESS FIRE, EXPLOSION, 11kV RMU LABELS AT SUNNY CRESCENT SC12632242 LABEL LABEL LETTER SIZE COLOUR SIZE LABEL INFORMATION NEAR ISOLATOR IDENTIFICATION 100x40 WB 15 **IS65** SF66 FRONT IDENTIFICATION 150x40 BW 20 TO CABLE BOX [EXIST] 150x50 BW 10 ARDOUR STREET DESTINATION SC12713388 - IS83 TO INSIDE SIDE WALL CABLE DESTINATION [EXIST] ARDOUR STREET 150x50 BW SC12713388 - IS83

EXCLUSION

ZONE EASEMENT

LABEL SIZE	LABEL COLOUR	LETTER SIZE	L	ABEL INFORMATION	N	LABEL LOCATION	LABEL DESCRIPTION
100x40	WB	15	IS81	SF82	IS83	NEAR ISOLATOR	ISOLATOR IDENTIFICATION
150x40	BW	20				FRONT	FEEDER IDENTIFICATION
150x50	BW	10	TO SUNNY CRESCENT SC12632281 - IS75	TO TRANSFORMER	TO SUNNY CRESCENT SC12632242 - IS67	CABLE BOX	CABLE DESTINATION
150x50	BW	10	TO SUNNY CRESCENT SC12632281 - IS75	TO TRANSFORMER	TO SUNNY CRESCENT SC12632242 - IS67	INSIDE SIDE WALL	CABLE DESTINATION

FOR CONSTRUCTION

DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:
07/05/2025	Α	PRELIMINARY ISSUE	RR					Rev B: path design amended at Stg 15
07/08/2025	В	ISSUED FOR CONSTRUCTION	RR					boundary, PMT easement increased to 4.0m, issued for construction.

EXISTING 11kV SCHEMATIC

SCALE 1:1500



SUBDIVISION ELECTRICAL SERVICES	COUNCIL	IPSWICH	DWT REV.	V53-3 2021050		
204/6 Babarra Street, Stafford, QLD 4053	COUNCIL REF	9322/2019/MAPDA/A				
Tel: (07) 3872 5555 Fax: (07) 3872 5566	DESIGNED	W.Schardt	DRAWN	B.Hyland		
Email: rr@robrus.com.au www.robrus.com.au	CHECKED	D.Lloyd RPEQ 5060	APPROVED	ROBIN RUSSE RPEQ 1546		
A.B.N. 78 010 589 661 IIS IS A UDC GENERATED DESIGN.	DATE	07/05/2025	SIGNED	Rli Pm		

DWT REV.	V53-3 20210504	DESCRIPTION FLECTRICITY DETICAL ATION
		RESIDENTIAL
DRAWN	B.Hyland	
APPROVED	ROBIN RUSSELL RPEQ 1546	HB Doncaster Pty. Ltd.
	44 .4	TID DONGASIENT LY. LLU.

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AUDIBLE NOISE AND EMF RISK).

LABELS

Minimum ENERGEX easement

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

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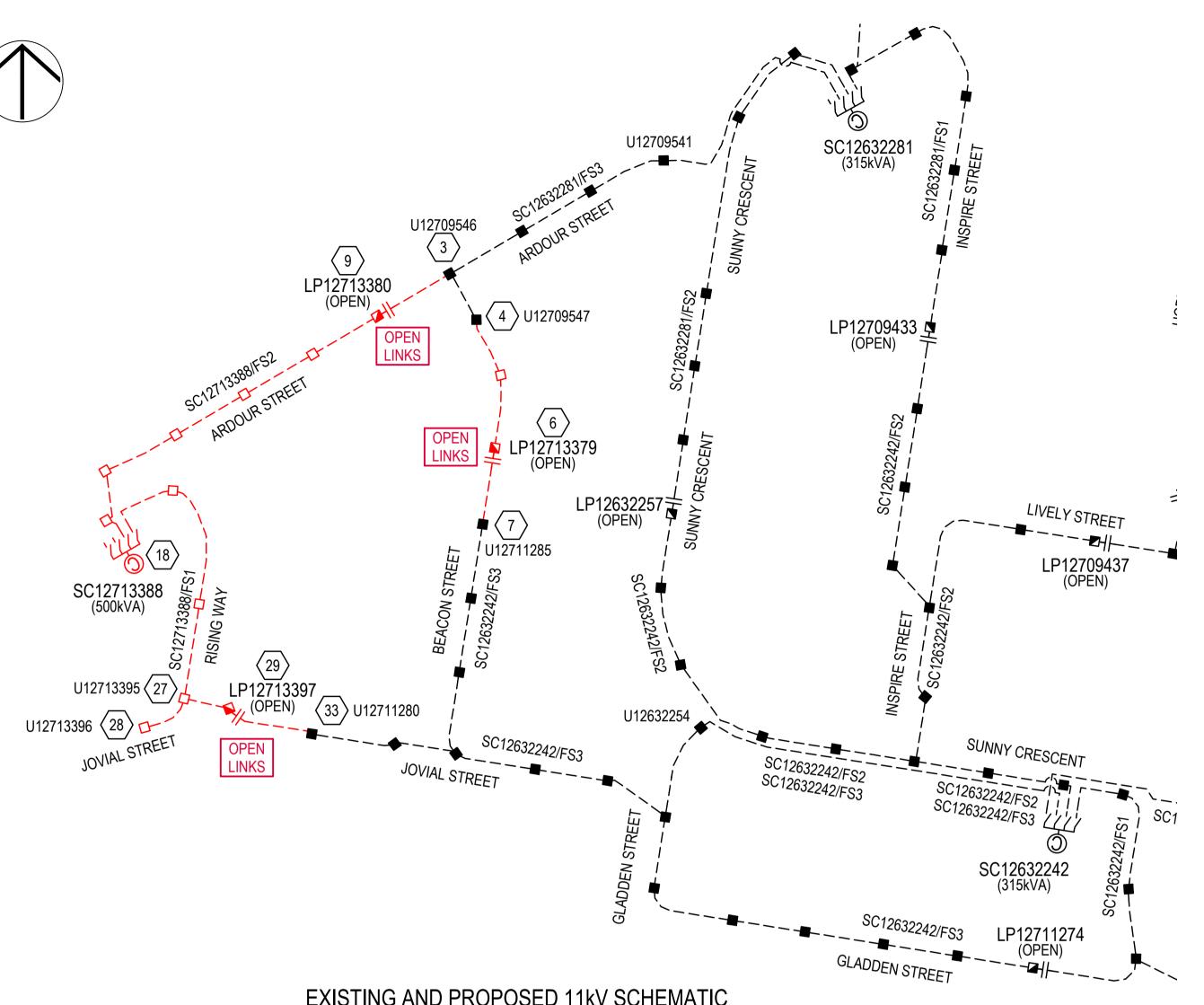
ENERGEX RESIDENTIAL PADMOUNT TRANSFORMER EXCLUSION REQUIREMENT

PROPOSED SC12713388 (Stn 18) SCALE 1:50 @ A1 SIZE

DRAWING No.	REVISION
F499-02	В
ENERGEX PROJECT No.	SHEET No.
00400400	0 1

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EXISTING AND PROPOSED 11kV SCHEMATIC

ALL NEW HV CABLES TO BE 3 x 1c 240mm AI TRIPLEX (UNLESS NOTED OTHERWISE)

TFMR IS	CCT1	CCT2	ССТ3	CCT4
TRANSFORMER	240mm 315A	240mm 315A	3158	315A
		SWITCHBC		

PHASING

Transformer - FS#	Α	В	С	Total
SC12532845 - FS2	1	0	1	2
SC12532845	1	0	1	(2)
SC12632242 - FS3	10	11	10	31
SC12632242	10	11	10	(31)
SC12632281 - FS1	8	8	7	23
SC12632281 - FS2	6	6	6	18
SC12632281 - FS3	5	5	6	16
SC12632281	19	19	19	(57)
SC12713388 - FS1	3	3	3	9
SC12713388 - FS2	5	5	5	15
SC12713388	-8	8	8	(24)

Calculation is only relevant for circuits add or modified as part of this Worksplan. PMT count may not equal actual total.

LV LIN	(PILLA	AR LA	BELS	AT BEACON STREET (STN 6) LP12713379
CIRCUIT DIRECTION	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
LHS	150x50	WB	5	TO SUNNY CRESCENT SC12632281 / ARDOUR STREET LP12713380 AND SERVICES
RHS	150x50	WB	5	TO SUNNY CRESCENT SC12632242 / GLADDEN STREET LP12711274 / RISING WAY LP12713397 AND SERVICES

LHS & RHS AS VIEWED FROM ROAD TO PILLAR

LHS & RHS AS VIEWED FROM ROAD TO PILLAR

LV LI	NK PILL	AR LA	BELS	AT ARDOUR STREET (STN 9) LP12713380
CIRCUI DIRECTION		LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
LHS	150x50	WB	5	TO ARDOUR STREET SC12713388 AND SERVICES
RHS	150x50	WB	5	TO SUNNY CRESCENT SC12632281 / BEACON STREET LP12713379 AND SERVICES

CIRCUIT LABEL LABEL LETTER LABEL INFORMATION TRANSF. | 80x35 | WB | 6 | TRANSFORMER ISOLATOR 80x35 WB 5 TO RISING WAY LP12713397 AND SERVICES 2 80x35 WB 5 TO ARDOUR STREET LP12713380 AND SERVICES 3 80x35 WB 5 [SPARE]

AT ARDOUR STREET (STN 18) SC12713388

LV SWITCHBOARD LABELS

LV SWI	TCHB	DARD	LAB	ELS AT SUNNY CRESCENT SC12632281
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 ARDOUR STREET U12709541 DIRECT THEN BEACON STREET LP12713379 / ARDOUR STREET LP12713380 AND SERVICES
4	80x35	WB	5	[SPARE]

LV SWI	TCHB	DARD	LAB	ELS AT SUNNY CRESCENT SC12632242
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 GLADDEN STREET U12632254 DIRECT THEN GLADDEN STREET LP12711274 / BEACON STREET LP12713379 / RISING WAY LP12713397 AND SERVICES
4	80x35	WB	5	[EXIST]

LV LINK	PILLA	AR LA	BELS	AT GLADDEN STREET LP12711274
CIRCUIT DIRECTION	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
LHS	150x50	WB	5	TO SUNNY CRESCENT SC12632242 / BEACON STREET LP12713379 / RISING WAY LP12713397 AND SERVICES
RHS	150x50	WB	5	[EXIST]

LHS & RHS AS VIEWED FROM ROAD TO PILLAR

LV LINK	(PILLA	AR LA	BELS	AT RISING WAY (STN 29) LP12713397
CIRCUIT DIRECTION	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
LHS	150x50	WB	5	TO ARDOUR STREET SC12713388 AND SERVICES
RHS	150x50	WB	5	TO SUNNY CRESCENT SC12632242 / GLADDEN STREET LP12711274 / BEACON STREET LP12713379 AND SERVICES

LHS & RHS AS VIEWED FROM ROAD TO PILLAR

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

DATE | REV | REVISION APP. DATE REV REVISION APP. | CURRENT REVISION CHANGES: Rev B: path design amended at Stg 15 boundary, PMT easement increased to 4.0m, 07/05/2025 A PRELIMINARY ISSUE 07/08/2025 B ISSUED FOR CONSTRUCTION issued for construction.



ELECTRI 204/6	BDIVISION CAL SERVICES Babarra Street, ord, QLD 4053
Tel: Fax:	(07) 3872 5555 (07) 3872 5566
	r@robrus.com.au robrus.com.au
	78 010 589 661 GENERATED DESIG

LABELS

SIGN.	DATE	07/05/2025	SIGNED	Police Romel
	CHECKED	D.Lloyd RPEQ 5060	APPROVED	ROBIN RUSSELL RPEQ 1546
	DESIGNED	W.Schardt	DRAWN	B.Hyland
_3	COUNCIL REF	9322/2019/MAPDA/A		
ES	COUNCIL	IPSWICH	DWT REV.	V53-3 20210504

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F499-03 ENERGEX PROJECT No. A1 S0108162

REVISION

B

SHEET No.

3 of 4

THE ELECTRICAL CONTRACT SHALL PAINT THE TRANSFORMER BLACK, AS FOLLOWS: TWO-PACK PRIMER FOLLOWED BY TWO-PACK POLYURETHANE ENAMEL TO AS2700 IN:(N61) BLACK 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.

MATERIALS SLIMMARY - S0108162

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

PROPOSED SC12713388 (Stn 18) SCALE 1:50 @ A1 SIZE

and notify the Contract Superintendent immediately. A new foundation design may be required.

	UNDERG	ROUND	
MODEL No.	QTY	MODEL No.	QT
11ST24/24X	1	LVSP12-6SL	2
1CFC9524XLG	2	LVSP14-6	1
2JXCA24XCA24	1	LVSP14-6SL	2
ADE	4	LVSP2-6	1
DSHVF5SLK	1	LVSP4-6	6
DSLVF31	2	LVSP4-6SL	2
DSPMTEGSA	1	LVSP9-6	1
DSSQPMCEG	1	LVSPC2W3	1
LV4CMEN	1	LVSPL240	2
LV4CMENLINK	3	S2475044	1
LVPT4C240	2	SC0006614	1:
LVSP12-6	4	SC0019959	1
		SC0019960	1
	CABL	-ES	
MODEL No.	QTY	MODEL No.	QT
SCS820363	554		
SCS820364	478		
SCS820365	152		
	STREET L	IGHTING	
MODEL No.	QTY	MODEL No.	Q1
SUGSLPIL	7		

FOR CONSTRUCTION

UNCIL	IPSWICH	DWT REV.	V53-3 20210504	DESCRIPTION FLECTRICITY DETICAL ATION	LOCATION OT A CE				
UNCIL REF	9322/2019/MAPDA/A			ELECTRICITY RETICULATION - RESIDENTIAL	BELLEVUE ESTATE - STAGI				
SIGNED	W.Schardt	DRAWN	B.Hyland	CLIENT	323 - 395 RIPLEY ROAD				
ECKED	D.Lloyd RPEQ 5060	APPROVED	ROBIN RUSSELL RPEQ 1546	HB Doncaster Pty. Ltd.	RIPLEY				
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URD CONDUIT SCHEDULE - FOOTPATHS - BY ELECTRICAL CONTRACTOR

	<u> </u>			, O i i	00111			00	, , , , , ,	0 - D1 L				1111/11	5101C
					CONI	DUIT LEN	IGTH (m)				ECTION (m)			
LOCATION	STATIONS FROM - TO		50mm HD No.	No.	100mm LD	No.	125mm LD	No.	EQL 100mm COMMS MD	PVC CABLE PROTECTION (m)	EXCAV /TAPE	TRENCH DETAIL	DRAW WIRE	KERB MARKERS	REMARKS
ARDOUR STREET	1	-									2				JOINT PIT EXCAVATION
	1	8													EXISTING CONDUITS
	2	-									2				JOINT PIT EXCAVATION
BEACON STREET	4	5													EXISTING CONDUITS
	5	6			25	1					25	D	27		
	6	7			25	1					25	D	27		
ARDOUR STREET	8	9			6	1	6	2	6		6	L	32		
	9	11			26	1	26	2	26		26	L	112		
	11	14			27	1	27	2	27		27	L	116		
	12	13			8	1					8	D	10		
	14	16			27	1	27	2	27		27	L	116		
	16	17			27	1	27	2	27		27	L	116		
	18	19			2	4					2	E+E	16		
	18	20			3	1					3	D	5		
	21	23			13	2					13	Е	30		
RISING WAY	23	25			32	1					32	D	34		
	25	27			32	1					32	D	34		
JOVIAL STREET	29	32			8	1					8	Р	10		JOINT USE TRENCH
RISING WAY	32	33			26	1					26	D	28		
TOTAL					306r	n	226	m	113m		291m		713m		

NOTES:

- 1. CONDUITS SHALL BE INSTALLED WITHIN A CORRIDOR 300-900mm FROM PROPERTY ALIGNMENT, IN ACCORDANCE WITH ENERGEX UNDERGROUND DISTRIBUTION CONSTRUCTION (UDC) MANUAL.
- $2. \ \ \mathsf{FOOTPATH} \ \mathsf{CONDUITS} \ \mathsf{SHALL} \ \mathsf{HAVE} \ \mathsf{MINIMUM} \ \mathsf{700mm} \ \mathsf{COVER}, \ \mathsf{REGARDLESS} \ \mathsf{OF} \ \mathsf{ENERGEX'S} \ \mathsf{REQUIREMENTS}.$
- 3. CONNECT EXISTING CONDUITS, INCLUDING ROAD CROSSING CONDUITS, TO NEW FOOTPATH CONDUITS
- 4. TELECOMMUNICATION CONDUITS SHALL BE INSTALLED ABOVE THE ENERGEX CONDUITS IN A JOINT USE TRENCH ARRANGEMENT.
- 5. REFER RRA CONSTRUCTION PLAN S0108163 (RRA F499) FOR JOINT USE TRENCH RATE 3 CONDUIT INSTALLATION DETAILS.

URD CONDUIT SCHEDULE - FOOTPATHS - BY CIVIL CONTRACTOR

					CONI	DUIT LEN	NGTH (m)			X-SECTION (m)					
LOCATION	STAT FROM	TONS 1 - TO	50mm HD	No.	100mm LD	No.	125mm LD	No.	EQL 100mm COMMS MD	PVC CABLE PROTECTION (m)	EXCAV /TAPE	TRENCH DETAIL	DRAW WIRE	KERB MARKERS	REMARKS
ARDOUR STREET	20	21			21	1					21	D	23		
JOVIAL STREET	27	28			19	1					19	D	21		
TOTAL					40r	n					40m		44m		

NOTES:

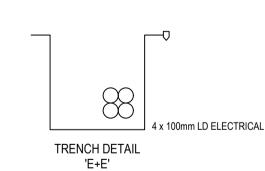
- 1. CONDUITS SHALL BE INSTALLED WITHIN A CORRIDOR 300-900mm FROM PROPERTY ALIGNMENT, IN ACCORDANCE WITH ENERGEX UNDERGROUND DISTRIBUTION CONSTRUCTION (UDC) MANUAL.
- 2. FOOTPATH CONDUITS SHALL HAVE MINIMUM 700mm COVER, REGARDLESS OF ENERGEX'S REQUIREMENTS.
- CONNECT EXISTING CONDUITS, INCLUDING ROAD CROSSING CONDUITS, TO NEW FOOTPATH CONDUITS
 TELECOMMUNICATION CONDUITS SHALL BE INSTALLED ABOVE THE ENERGEX CONDUITS IN A JOINT USE TRENCH ARRANGEMENT.

URD CONDUIT SCHEDULE - ROADWAYS - BY CIVIL CONTRACTOR

					CONE	DUIT LEN	NGTH (m)			X-SE	ECTION (m)			
LOCATION	STATIONS FROM - TO		50mm HD	No.	100mm LD	No.	125mm LD	No.	EQL 100mm COMMS MD	PVC CABLE PROTECTION (m)	EXCAV /TAPE	TRENCH DETAIL	DRAW WIRE	KERB MARKERS	REMARKS
ARDOUR STREET	9	10			16	1				16	16	D	18	2	
	11	12			15	1				15	15	D	17	2	
	14	15			18	1				18	18	D	20	2	
	17	18			17	1	17	2	17	17	17	L	76	2	
	21	22			19	1				19	19	D	21	2	
RISING WAY	23	24			19	1				19	19	D	21	2	
	25	26			16	1				16	16	D	18	2	
	27	29			16	1				16	16	D	18	2	
TOTAL					136r	n	34n	n	17m	136m	136m		209m	16	

NOTES:

- ROAD CROSSING CONDUITS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE ENERGEX UNDERGROUND DISTRIBUTION CONSTRUCTION (UDC) MANUAL.
 ROAD CROSSING CONDUITS SHALL HAVE A MINIMUM COVER OF 800mm AT ALL PLACES UNDER THE ROAD, EXCEPT UNDER STATE-CONTROLLED "MAIN" ROADS, WHERE CONDUITS SHALL HAVE A MINIMUM COVER OF 1200mm.
- 3. CONDUITS SHALL EXTEND TO WITHIN 900mm OF PROPERTY ALIGNMENT; PVC PROTECTIVE COVER STRIPS SHALL BE LAID ABOVE ALL ROAD-CROSSING CONDUITS.
- 4. REFER ENERGEX UDC MANUAL SECT. C2 FOR CROSS-SECTION DETAILS.
- 5. BRASS "E" MARKERS SHALL BE INSTALLED IN KERBS DIRECTLY ABOVE ELECTRICITY CONDUITS.



PROJECT SPECIFIC NON-STANDARD TRENCH DETAILS (N.T.S)

CONSUMER CONDUIT SCHEDULE - BY CIVIL CONTRACTOR

	STATIONS FROM - TO		ELECTRICAL (m)			TRENCH	EXCAV	
LOCATION			32HD	40HD	50HD	DETAIL	/ TAPE	REMARKS
RISING WAY	27	27A		4		RW1	4	INSTALL UNDER RETAINING WALL. REFER DETAIL
TOTAL				4m			4m	

NOTES:

- 1. CONSUMER'S CONDUITS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF DRIVEWAYS TO REAR LOTS.
- ELECTRICAL CONDUIT SHALL BE ORANGE, HEAVY DUTY TO AS/NZS 2053:2001, AT MINIMUM DEPTH OF 500mm.
 COMMUNICATIONS CONDUIT SHALL BE WHITE, MEDIUM DUTY TO AS/NZS 1477:2017, LABELLED: "COMMUNICATIONS", MINIMUM BEND RADIUS 300mm, AT MINIMUM DEPTH OF 300mm.
- MINIMUM CLEARANCE OF 100MM SHALL BE MAINTAINED BETWEEN ALL SERVICES.
 MARK THE END OF ALL CONSUMER'S CONDUITS, BY EXTENDING THE WARNING TAPE UP TO GROUND LEVEL.
- 6. ALL CONDUITS TO BE MANDREL-TESTED, SEALED, AND HAVE DRAW ROPES INSTALLED.
- CONDUITS TO EXTEND TO FRONT PROPERTY ALIGNMENT.
 ELECTRICAL CONTRACTOR SHALL EXTEND CONDUITS THROUGH FROM BOUNDARY TO PILLAR

CONDUIT BEN	NDING RAD	OIUS (mm)	
LOCATION	50mm Ø	100mm Ø	125mm Ø
HORIZONTAL BEND	600	1830	1830
PILLAR - MAIN CABLE	-	1200	-
PILLAR - X-ROAD CABLE	-	450	-
PILLAR - STREET LIGHT CABLE	600	-	-
STREET LIGHT	300	-	-
POLE TERMINATION	300	1200	1830
TRANSFORMER	n	o bends require	ed

FOR CONSTRUCTION

DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:
07/05/2025	Α	PRELIMINARY ISSUE	RR					Rev B: path design amended at Stg 15
07/08/2025	В	ISSUED FOR CONSTRUCTION	RR					boundary, PMT easement increased to 4.0n issued for construction.



SUBDIVISION CTRICAL SERVICES 204/6 Babarra Street, Stafford, QLD 4053 Tel: (07) 3872 5555 Fax: (07) 3872 5566	COUNCIL	IPSWICH	DWT REV.	V53-3 20210504				
	COUNCIL REF	9322/2019/MAPDA/A						
	DESIGNED	W.Schardt	DRAWN	B.Hyland				
Email: rr@robrus.com.au www.robrus.com.au	CHECKED	D.Lloyd RPEQ 5060	APPROVED	ROBIN RUSSE RPEQ 1546				
A.B.N. 78 010 589 661 A UDC GENERATED DESIGN.	DATE	07/05/2025	SIGNED	Phi Pm				

DESCRIPTION ELECTRICITY RETICULATION RESIDENTIAL CLIENT HB Doncaster Pty. Ltd.

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DRAWING No.	REVISION
F499-04	В
ENERGEX PROJECT No.	SHEET No.
 S0108162	4 OF 4

UNDERGROUND CABLE SCHEDULE

LOCATION	STAT	STATIONS FROM - TO		EX	REC	IN	CABLE SIZE/TYPE	CU CODE	LENGTH (m)		REMARKS
	FRON	/1-10							NEW	REC	
ARDOUR STREET	1	2	11kV		*		240mm ² AI 3X1C TR XLPE/SCREEN/HDPE	SCS820363		12	RECOVER EXISTING
	1	18	11kV			*	240mm ² AI 3X1C TR XLPE/SCREEN/HDPE	SCS820363	283		
	2	18	11kV			*	240mm ² Al 3X1C TR XLPE/SCREEN/HDPE	SCS820363	271		
	3	9	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	33		
BEACON STREET	4	5	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	26		
	5	6	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	30		
	6	7	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	30		
ARDOUR STREET	9	10	LV			*	16mm² Cu 4C XLPE/PVC	SCS820365	21		
	9	11	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	31		
	11	13	LV			*	16mm² Cu 4C XLPE/PVC	SCS820365	27		
	11	14	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	32		
	14	15	LV			*	16mm² Cu 4C XLPE/PVC	SCS820365	23		
	14	16	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	32		
	16	17	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	32		
	17	19	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	23		
	18	19	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	12		
	18	21	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	32		
	21	22	LV			*	16mm² Cu 4C XLPE/PVC	SCS820365	24		
	21	24	LV			*	16mm² Cu 4C XLPE/PVC	SCS820365	36		
	21	25	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	48		
RISING WAY	25	26	LV			*	16mm² Cu 4C XLPE/PVC	SCS820365	21		
	25	27	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	37		
	27	28	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	23		
	27	29	LV			*	240mm² AI 4C XLPE/PVC	SCS820364	21		
JOVIAL STREET	29	33	LV			*	240mm² Al 4C XLPE/PVC	SCS820364	36		
TOTALS (Variance 2%)							240mm² AI 3X1C TR XLPE/SCREEN/HDPE	SCS820363	554	12	
•							240mm² AI 4C XLPE/PVC	SCS820364	478		
							16mm² Cu 4C XLPE/PVC	SCS820365	152		

NOTES:

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

2. 11kV CABLE IS NOT BE CUT UNTIL CABLE LENGTHS HAVE BEEN CONFIRMED ON SITE.

EQUIPMENT SCHEDULE

LOCATION	STN No.	SITE I.D.	EX	REC	IN	SIZE AND DESCRIPTION	COMP ID	CU CODE	QTY	REMARKS
ARDOUR STREET	1	U12713376			*	11kV STRAIGHT JOINT HEATSHRINK CAP 25-55mm	CJ1	11ST24/24X SC0006614	1 6	240/240 AL TRIPLEX
	2	U12713377			*	11kV PARALLEL BUTT JOINT HEATSHRINK CAP 25-55mm	CJ1	2JXCA24XCA24 SC0006614	1 6	240/240 AL TRIPLEX
	3	U12709546	*		*	2 WAY PILLAR 2 WAY TO 3 WAY CONVERT		LVSPC2W3	1	CONVERT TO 3 WAY 1x240LV
BEACON STREET	4	U12709547	*		*	1 WAY PILLAR 240mm 4 CORE CABLE LV LUG SET		LVSPL240	1	CONVERT TO 2 WAY 1x240LV
	5	U12713378			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV
	6	LP12713379			*	2 WAY LINK PILLAR + SL LINK PILLAR MEN EARTHING	PI3	LVSP14-6SL LV4CMENLINK	1 1	2x240LV, 1x4SL
	7	U12711285	*		*	1 WAY PILLAR 240mm 4 CORE CABLE LV LUG SET		LVSPL240	1	CONVERT TO 2 WAY 1x240LV
ARDOUR STREET	9	LP12713380			*	2 WAY LINK PILLAR LINK PILLAR MEN EARTHING	PI3	LVSP14-6 LV4CMENLINK	1 1	2x240LV, 1x16LV
	10	U12713381			*	CROSS-ROAD PILLAR + SL	PI1	LVSP12-6SL	1	1x16LV, 1x4SL
	11	U12713382			*	2 WAY PILLAR + SL	PI1	LVSP4-6SL	1	2x240LV, 1x16LV, 1x4SL
	13	U12713383			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	14	U12713384			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV, 1x16LV
	15	U12713385			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	16	U12713386			*	2 WAY PILLAR + SL	PI1	LVSP4-6SL	1	2x240LV, 1x4SL
	17	U12713387			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV
	18	SC12713388			* * * * * * * * * * * * * * * * * * *	PADMOUNT TRANSFORMER - 500kVA CFC HV FUSE SET FOR 500kVA SWITCHGEAR 240mm² 11kV CFC TERM IN PADMOUNT HEATSHRINK CAP 25-55mm 315A LV FUSE LINK FOR LV BOARD LV TERMINATION COMMON EARTH GRID FOR SQUARE PMT ADDITIONAL EARTH BASE SLAB UNICULVERT CONCRETE SURROUND	TR1	S2475044 DSHVF5SLK 1CFC9524XLG SC0006614 DSLVF31 LVPT4C240 DSSQPMCEG DSPMTEGSA SC0019960 SC0019959	1 1 2 3 2 2 1 1 1 1	KIT CONTAINS 3x ELBOWS CONTRACTOR SUPPLIED CONTRACTOR SUPPLIED CONTRACTOR SUPPLIED
	19	U12713389			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV
	21	U12713390			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV, 2x16LV
RISING WAY	22	U12713391			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	24	U12713392			*	CROSS-ROAD PILLAR + SL	PI1	LVSP12-6SL	1	1x16LV, 1x4SL
	25	U12713393			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV, 1x16LV
	26	U12713394			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	27	U12713395			*	3 WAY PILLAR	PI1	LVSP9-6	1	3x240LV
JOVIAL STREET	28	U12713396			*	1 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP2-6 LV4CMEN	1	1x240LV
RISING WAY	29	LP12713397			*	2 WAY LINK PILLAR + SL LINK PILLAR MEN EARTHING	PI3	LVSP14-6SL LV4CMENLINK	1	2x240LV, 2x4SL USE SPARE LV FUSE FOR SECOND STREETLIGHT
JOVIAL STREET	33	U12711280	*		*	1 WAY PILLAR MEN EARTHING 1 WAY PILLAR 240mm 4 CORE CABLE LV LUG SET		LVSPL240	1 1	CONVERT TO 2 WAY 1x240LV

SUNDRY ITEMS SCHEDULE

SUNDRY SPEC	DESCRIPTION	QUANTITY	REMARKS
LVSPL240	240mm 4 CORE CABLE LV LUG SET	22	