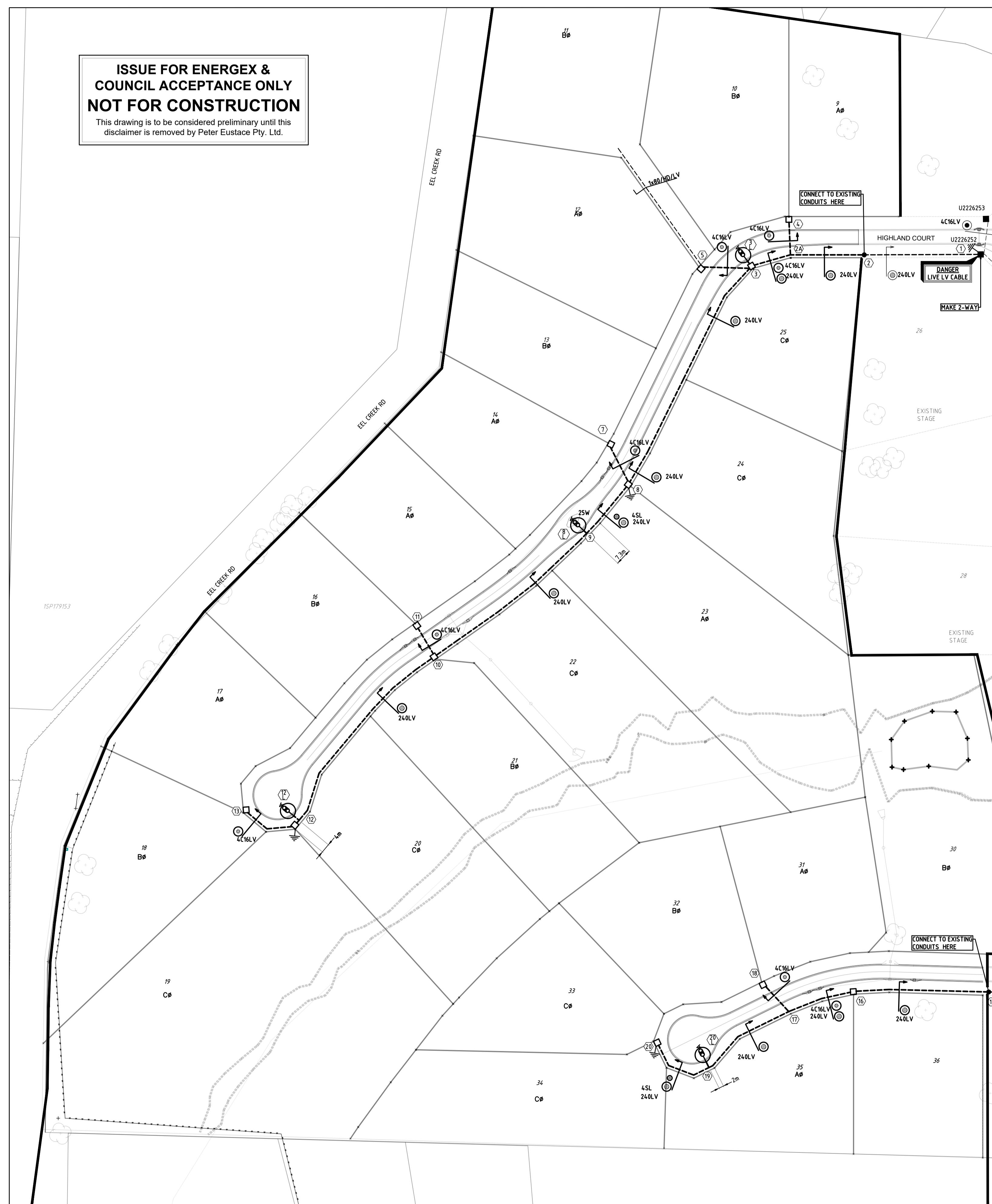


**ISSUE FOR ENERGEX & COUNCIL ACCEPTANCE ONLY  
NOT FOR CONSTRUCTION**  
This drawing is to be considered preliminary until this disclaimer is removed by Peter Eustace Pty. Ltd.



**STREET LIGHTING**  
STREET LIGHTING IS IN ACCORDANCE WITH GYMPIE REGIONAL COUNCIL REQUIREMENTS FOR RURAL RESIDENTIAL DEVELOPMENTS.

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

KRIS BOVEINIS (RPEQ 22272) *K. Boveinis*  
DATE 04.11.20



**SYMBOL LEGEND**

- PROPOSED 40mm S/L
- ⊙ PROPOSED ENERGEX 100mm COMMS
- ⊗ PROPOSED 100mm
- ⊗ PROPOSED 125mm
- EXISTING 40mm S/L
- ⊙ EXISTING ENERGEX 100mm COMMS
- ⊗ EXISTING 100mm
- ⊗ EXISTING 125mm
- PROPOSED CABLE (AS MARKED)
- EXISTING CABLE (AS MARKED)
- PROPOSED UNDERGROUND HV/LV ROUTE
- EXISTING UNDERGROUND HV/LV ROUTE
- PROPOSED OVERHEAD HV/LV ROUTE
- EXISTING OVERHEAD HV/LV ROUTE
- PROPOSED S/L CABLE
- EXISTING S/L CABLE
- ⊕ PADMOUNT TRANSFORMER
- ⊕ PMT LV GEOGRAPHIC
- ⊕ PMT HV GEOGRAPHIC
- ⊕ RING MAIN UNIT
- ⊕ RMU HV SCHEMATIC
- PROPOSED SUPPLY PILLAR
- EXISTING SUPPLY PILLAR
- PROPOSED LINK PILLAR
- EXISTING LINK PILLAR
- COMMERCIAL PILLAR
- EARTH
- PROPOSED TYPE 4 PIT
- EXISTING TYPE 4 PIT
- ⊕ RECOVER EQUIPMENT
- ⊕ 1kV STRAIGHT JOINT
- ⊕ OVERHEAD POLE (HV ONLY)
- OVERHEAD POLE (LV ONLY)
- ⊕ OVERHEAD POLE (LV & LV)
- ⊕ OVERHEAD HV TERMINATION
- ⊕ OVERHEAD LV TERMINATION
- ⊕ AIR BREAK SWITCH (OPEN)
- ⊕ AIR BREAK SWITCH (CLOSED)
- ⊕ DISCONNECT LINKS (OPEN)
- ⊕ DISCONNECT LINKS (CLOSED)
- ⊕ WATER METER
- ⊕ SURVEY PEG

**STREET LIGHT SYMBOL LEGEND**

- ⊕ PROPOSED L25 (RATE 2)
- ⊕ EXISTING L25 (RATE 2)
- ⊕ PROPOSED L17 (RATE 2)
- ⊕ EXISTING L17 (RATE 2)

**URD CIVIL WORKS SCHEDULE (ROAD CROSSINGS)**

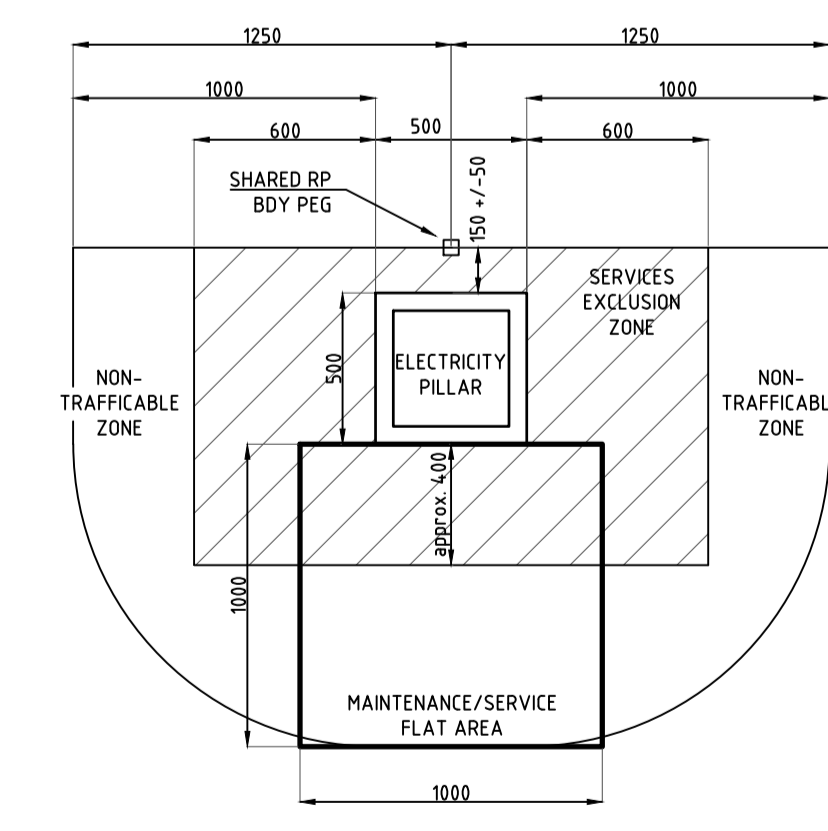
LOCATION	STATIONS FROM-TO	CONDUIT LENGTH (m)						BENDS (<70°)						X-SECTION (m)			DRAW WIRE	KERB MARK	REMARKS			
		40	No	100C	No	100	No	125	No	40	No	100C	No	100	No	125				No	EXCAV/ TAPE	COVER STRIP
HIGHLAND CT	2A - 4					20	1												20	D	20	2
	3 - 5					20	2												25	D	25	2
	7 - 8					20	1												20	D	20	2
	10 - 11					20	1												20	D	20	2
MEADOW VIEW CT	17 - 18					20	1												20	D	20	2
<b>TOTALS</b>						105													105		105	10

**URD CIVIL WORKS SCHEDULE (ALONG FOOTPATH)**

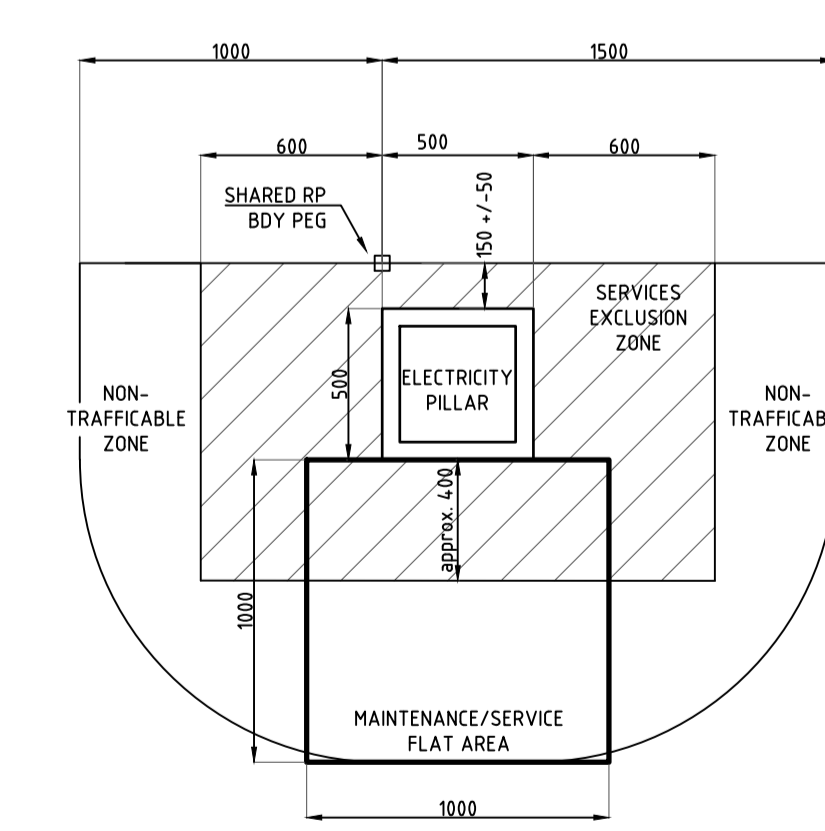
LOCATION	STATIONS FROM-TO	CONDUIT LENGTH (m)						BENDS (<70°)						X-SECTION (m)			DRAW WIRE	KERB MARK	REMARKS				
		40	No	100C	No	100	No	125	No	40	No	100C	No	100	No	125				No	EXCAV/ TAPE	COVER STRIP	TRENCH DETAIL
HIGHLAND CT	2 - 2A					35	1												35	D	35		
	2A - 3					20	2												20	E	40		
	3 - 8					115	1												115	D	115		
	8 - 9	30	1			30	1												30	P	60		
	9 - 13					210	1													210	D	210	
	3 - 3L	5	1																5	O	5		
MEADOW VIEW CT	9 - 8L	5	1																5	O	5		
	12 - 12L	10	1																5	O	10		
	15 - 16					60	1												60	D	60		
	16 - 17					30	2												30	E	60		
	17 - 19					45	1												45	D	45		
	19 - 20	35	1			35	1												35	P	70		
19 - 20L	5	1																5	O	5			
<b>TOTALS</b>					90														585	20	720		

**UNDERGROUND CABLE SCHEDULE**

LOCATION	STATIONS FROM-TO	VOLTS	EXIST	TRF	REC	INSTALL	CABLE SIZE/TYPE	MODEL ID	ROUTE LENGTH (m)		CABLE LENGTH (m)		LCC	REMARKS
									NEW	REC	NEW	REC		
MEADOW VIEW CT	1 - 3	LV				*	240mm <sup>2</sup> 4C Al XLPE	LVA4240XPV	102	105				
	3 - 4	LV				*	16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV	37	40				
	3 - 5	LV				*	16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV	27	30				
	3 - 8	LV				*	240mm <sup>2</sup> 4C Al XLPE	LVA4240XPV	112	115				
	7 - 8	LV				*	16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV	22	25				
	8 - 10	LV				*	240mm <sup>2</sup> 4C Al XLPE	LVA4240XPV	117	120				
	10 - 11	LV				*	16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV	17	20				
	10 - 12	LV				*	240mm <sup>2</sup> 4C Al XLPE	LVA4240XPV	102	105				
	12 - 13	LV				*	16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV	32	35				
	3 - 3L	SL				*	4mm <sup>2</sup> 2C Cu PVC/PVC	LVC24PVPV	2	5				
	8 - 8L	SL				*	4mm <sup>2</sup> 2C Cu PVC/PVC	LVC24PVPV	37	40				
	12 - 12L	SL				*	4mm <sup>2</sup> 2C Cu PVC/PVC	LVC24PVPV	7	10				
	14 - 16	LV				*	240mm <sup>2</sup> 4C Al XLPE	LVA4240XPV	117	120				
	16 - 18	LV				*	16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV	52	55				
16 - 20	LV				*	240mm <sup>2</sup> 4C Al XLPE	LVA4240XPV	107	110					
20 - 20L	LV				*	16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV	32	35					
<b>TOTAL</b>							240mm <sup>2</sup> 4C Al XLPE	LVA4240XPV			675			
							16mm <sup>2</sup> 4C Cu XLPE	LVC416XPV			240			
							4mm <sup>2</sup> 2C Cu PVC/PVC	LVC24PVPV			55			



**PILLAR CENTRED ON SHARED RP BDY**

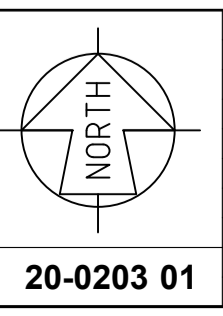


**PILLAR OFFSET TO ONE SIDE OF SHARED RP BDY**

- NOTES**
- PILLARS MAY BE SET CENTRED ON BDY PEG OR OFFSET TO ONE SIDE AS SHOWN.
  - PILLARS TO BE OFFSET 150 (+/- 50) FROM RP BDY.
  - SERVICES EXCLUSION ZONE IS FOR ABOVE GROUND SERVICES ONLY. (PITS, MANHOLES ETC).
  - IF ROADS/DRIVEWAYS ARE WITHIN 1000 OF PILLAR 2 X PROTECTION BOLLARDS WILL BE REQUIRED.
  - FLAT AREA IN FRONT OF PILLAR TO BE MAINTAINED FOR ACCESS AND MAINTENANCE.

DATE	16.10.20	04.11.20
ISSUED FOR COUNCIL ACCEPTANCE		
ISSUED FOR COUNCIL ACCEPTANCE		

**PE CONSULTING ENGINEERS**  
STREET ADDRESS: U14, 39 Lawrence Dr, Naring QLD 4211  
POSTAL ADDRESS: PO Box 2835, Naring DC QLD 4211  
TELEPHONE: (07) 5596 1425  
EMAIL: mail@peca.com.au  
WEB: peter@eustace.com.au



**SITE CONTACT DETAILS**

NAME	Ennergex OH	Ennergex OH
TBC COMPANY	NBN	REFER NBN
	GAS	REFER GAS
	HP GAS	REFER GAS
	WATER	REFER CIVIL
	STORMWATER	REFER CIVIL
	SEWERAGE	REFER CIVIL
	OTHER	REFER CIVIL

**COUNCIL STANDARD ALIGNMENTS**

WORKS COORDINATOR	PETER EUSTACE & ASSOCIATES
PARENT PROJECT NO.	
WORK REQUEST NO.	
LOTS	9-25, 30-36
CANCELLING LOTS	500 on SP311232
LOCAL AUTHORITY	GYMPIE REGIONAL COUNCIL
UBD REF	
PEGGED?	

**APPROVED**

DESIGNER	ABRAHAM IKORO (07) 5596 1425
PLANNER	DAVID VAN GENT (07) 5596 1425
ISSUE DATE	03 NOVEMBER 2020

**Peter Eustace & Associates**  
**INSTALL CABLES, CONDUITS, STREETLIGHTS & PITS**  
**24 LOTS SUBDIVISION HIGHLAND COURT WATERGUM DRIVE, PIE CREEK**

**WORKSPLAN VERSION 5.5**  
SCALE: 1:1000@A1  
PROJECT / SUB PROJECT NO. **S1301368**  
Sheet 1 of 2  
ISSUE NO. B

NEW STYLE LINK PILLAR				
LOCATION: WATERGUM DR				STATION: LP2226260
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
1 (LHS)	150x50	WB	5	TO MEADOW VIEW CT U2227079 / WATER LILLY CT U2226256 / WATERGUM DR SC1498040 & SERVICES
2 (RHS)	150x50	WB	5	EXISTING

MATERIAL: GRAVOPLY II (1.5mm) or similar

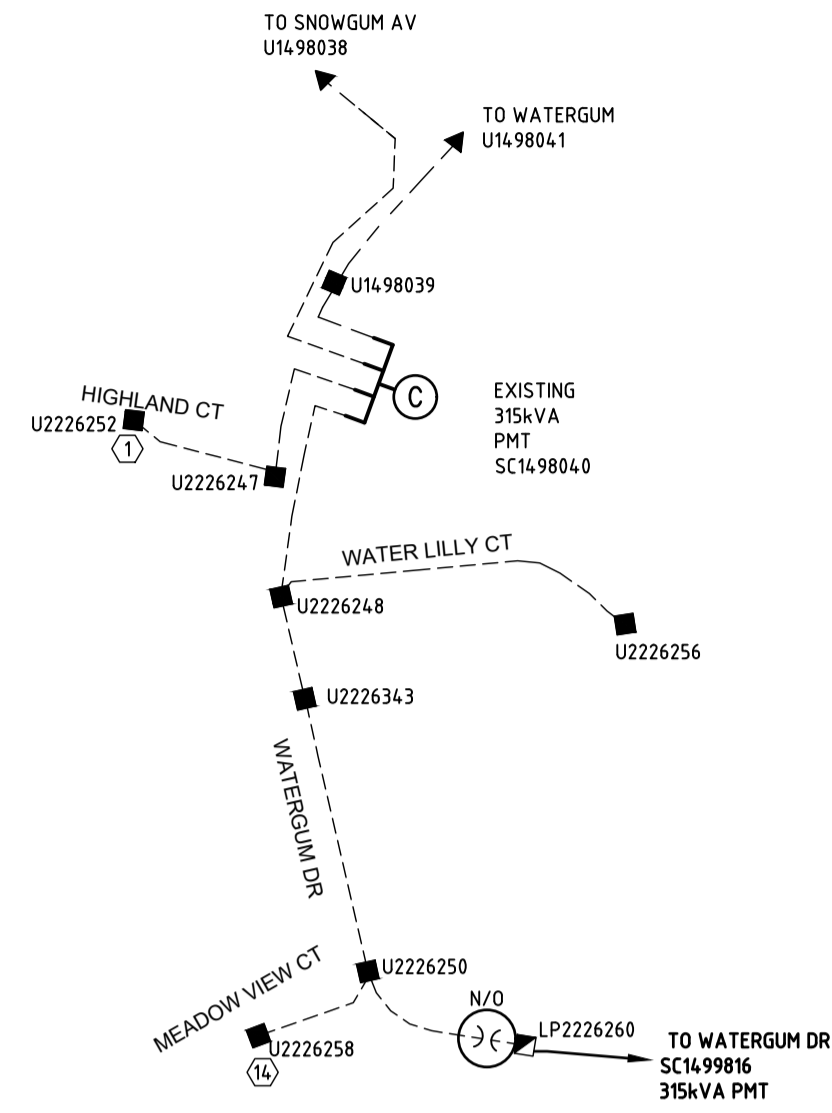
PMT LV SWBD - SWITCH FUSE CIRCUITS				
LOCATION: WATERGUM DR				STATION: SC1498040
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
1	80 x 35	WB	6	TRANSFORMER
2	80 x 35	WB	5	EXISTING
3	80 x 35	WB	5	TO WATERGUM DR U2226247 (DIRECT) / HIGHLAND CT U2227075 & SERVICES
4	80 x 35	WB	5	TO WATERGUM DR U2226248 (DIRECT) / WATERLILLY CT U2226256 / WATERGUM DR LP2226260 / MEADOW VIEW CT U2227079 & SERVICES

MATERIAL: GRAVOPLY II (1.5mm) or similar

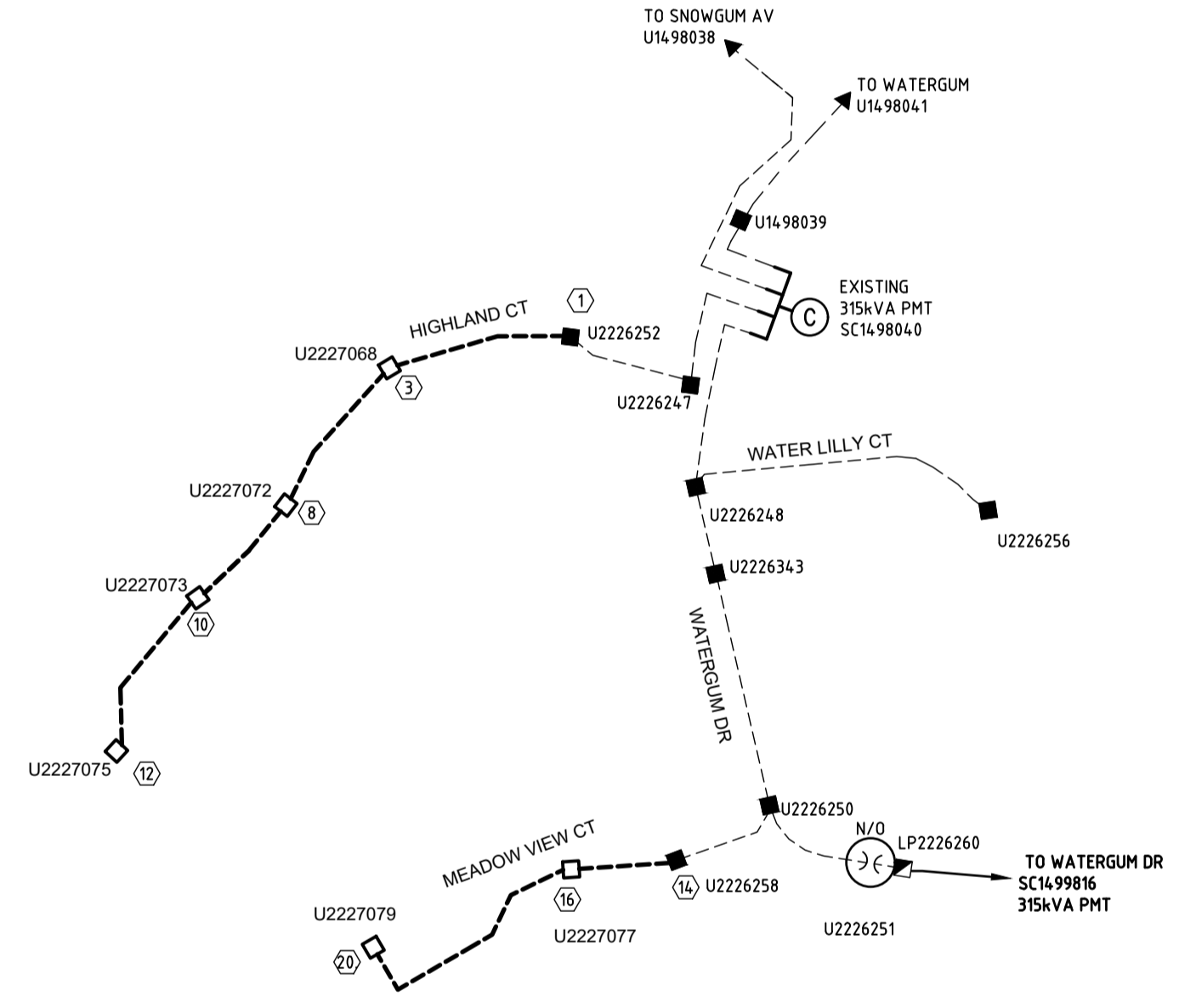
PROPOSED COMMISSIONING SCHEDULE			
TENTATIVE ONLY SUBJECT TO AMENDMENT BY SWITCHING CO-ORDINATOR			
ITEM No	LOCATION	APPARATUS	ACTION
1	COMMISSION NEW LV EQUIPMENT - LV SWITCHING		
2	ADVISE CONTRACT SUPERVISOR SWITCHING TO COMMENCE		
3	RECEIVE CLEARANCE FROM WORK CREWS ALL WORK COMPLETED		
4	NOTIFY ALL WORK CREWS TREAT PILLARS AS LIVE		
5	WATERGUM DR SC1498040	LV CFS UNIT	OPEN
6	NEW ROADS	NEW EQUIPMENT	CONNECT & MAKE READY
7	WATERGUM DR SC1498040	LV CFS UNIT	CLOSE
8	NEW ROADS	NEW LV EQUIPMENT	COMMISSION & TEST
9	ADVISE CONTRACT SUPERVISOR SWITCHING COMPLETE		

RATE 2 STREETLIGHT SCHEDULE																							
LOCATION	STN No	SITE ID (POLE No)	POLE or COMPONENTS						LANTERN				OUTREACH BRACKET				MOUNT HEIGHT (m)	REMARKS					
			COMP ID	EXIST (m)	REC (m)	ERECT (m)	SLM or IIN	ALIGN (m)	COMP ID	EXIST	RECOVER LUMIN	CUST	DATE DE-ENERG	ERECT LUMIN	CUST	DATE ENERG			SLM or IIN	EXIST (m)	REC (m)	ERECT (m)	SLM or IIN
HIGHLAND CT	3L	P2227064	PO 1			4.5 BPM	SLNOS1CI	0.8BOK	SL 1				L17	GYMP		SLEDGL01711						5.1	
	8L	P2227065	PO 1			4.5 BPM	SLNOS1CI	0.8BOK	SL 1				L25	GYMP		SLEDGL02501						5.1	
MEADOW VIEW CT	12L	P2227066	PO 1			4.5 BPM	SLNOS1CI	0.8BOK	SL 1				L17	GYMP		SLEDGL01711						5.1	
	20L	P2227067	PO 1			4.5 BPM	SLNOS1CI	0.8BOK	SL 1				L17	GYMP		SLEDGL01711						5.1	

EQUIPMENT SCHEDULE													
LOCATION	STN No	SITE ID.	EXIST	REC	INSTALL	SIZE & DESCRIPTION	IIN	COMP ID	PLANT No.	MODEL ID	QTY	LCC	REMARKS
HIGHLAND CT	1	U2226252	*		*	SERVICE PILLAR 240 LUG SET		P11		EX	1		MAKE 2-WAY
	3	U2227068			*	SUPPLY PILLAR (240-240-16-16 7F)		P11		LVSP4-6S	1		
	4	U2227069			*	SUPPLY PILLAR (16 6F)		P11		LVSP12-6	1		
	5	U2227070			*	SUPPLY PILLAR (16 6F)		P11		LVSP12-6	1		
	7	U2227071			*	SUPPLY PILLAR (16 6F)		P11		LVSP12-6	1		
	8	U2227072			*	SUPPLY PILLAR (240-240-16 7F)		P11		LVSP4-6S	1		
					*	EARTH				ASSY1011-2	1		
	10	U2227073			*	SUPPLY PILLAR (240-240-16 6F)		P11		LVSP4-6	1		
	11	U2227074			*	SUPPLY PILLAR (16 6F)		P11		LVSP12-6	1		
	12	U2227075			*	SUPPLY PILLAR (240-16 7F)		P11		LVSP2-6S	1		
					*	EARTH				ASSY1011-2	1		
	MEADOW VIEW CT	13	U2227076			*	SUPPLY PILLAR (16 6F)		P11		LVSP12-6	1	
14		U2226258	*		*	SERVICE PILLAR 240 LUG SET		P11		EX	1		MAKE 2-WAY
16		U2227077			*	SUPPLY PILLAR (240-240-16 6F)		P11		LVSP4-6	1		
18		U2227078			*	SUPPLY PILLAR (16 6F)		P11		LVSP12-6	1		
	20	U2227079			*	SUPPLY PILLAR (240 7F)		P11		LVSP2-6S	1		
				*	EARTH				ASSY1011-2	1			



EXISTING LV GEOGRAPHIC  
ALL UNDERGROUND CABLE 240LV UNLESS OTHERWISE MARKED



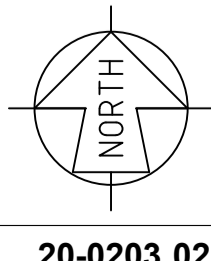
PROPOSED LV GEOGRAPHIC  
ALL UNDERGROUND CABLE 240LV UNLESS OTHERWISE MARKED

SYMBOL LEGEND	
○	PROPOSED 40mm S/L
⊙	PROPOSED ENERGEX 100mm COMMS
○	PROPOSED 100mm
⊗	PROPOSED 125mm
○	EXISTING 40mm S/L
⊙	EXISTING ENERGEX 100mm COMMS
○	EXISTING 100mm
⊗	EXISTING 125mm
●	PROPOSED CABLE (AS MARKED)
●	EXISTING CABLE (AS MARKED)
---	PROPOSED UNDERGROUND HV/LV ROUTE
---	EXISTING UNDERGROUND HV/LV ROUTE
---	PROPOSED OVERHEAD HV/LV ROUTE
---	EXISTING OVERHEAD HV/LV ROUTE
---	PROPOSED S/L CABLE
---	EXISTING S/L CABLE
⊙	PADMOUNT TRANSFORMER
⊙	PMT LV GEOGRAPHIC
⊙	PMT HV GEOGRAPHIC
⊙	RING MAIN UNIT
⊙	RMU HV SCHEMATIC
□	PROPOSED SUPPLY PILLAR
■	EXISTING SUPPLY PILLAR
■	PROPOSED LINK PILLAR
■	EXISTING LINK PILLAR
■	COMMERCIAL PILLAR
⊕	EARTH
⊕	PROPOSED TYPE 4 PIT
⊕	EXISTING TYPE 4 PIT
⊗	RECOVER EQUIPMENT
STJ	1kV STRAIGHT JOINT
⊕	OVERHEAD POLE TRANSFORMER
○	OVERHEAD POLE (HV ONLY)
○	OVERHEAD POLE (HV & LV)
○	OVERHEAD HV TERMINATION
○	OVERHEAD LV TERMINATION
⊗	AIR BREAK SWITCH (OPEN)
⊗	AIR BREAK SWITCH (CLOSED)
⊗	DISCONNECT LINKS (OPEN)
⊗	DISCONNECT LINKS (CLOSED)
WM	WATER METER
+	SURVEY PEG
STREET LIGHT SYMBOL LEGEND	
⊙	PROPOSED L25 (RATE 2)
⊙	EXISTING L25 (RATE 2)
⊙	PROPOSED L17 (RATE 2)
⊙	EXISTING L17 (RATE 2)

**ISSUE FOR ENERGEX & COUNCIL ACCEPTANCE ONLY  
NOT FOR CONSTRUCTION**

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DATE	DESCRIPTION
16.10.20	ISSUED FOR COUNCIL ACCEPTANCE
04.11.20	ISSUED FOR COUNCIL ACCEPTANCE



20-0203 02

SITE CONTACT DETAILS	COUNCIL STANDARD ALIGNMENTS	WORKS COORDINATOR	PETER EUSTACE & ASSOCIATES	APPROVED	KRIS BOVEINIS	Peter Eustace & Associates	WORKSPAN VERSION 5.5
NAME: Energex OH, Energex UG	ENERGEX OH, ENERGEX UG	PARENT PROJECT NO., WORK REQUEST NO.		CHECKED	DAVID PRUSS	INSTALL CABLES, CONDUITS, STREETLIGHTS & PITS	SCALE: 1:1000@A1
COMPANY: NBN	REFER NBN	LOTS	9-25, 30-36	DESIGNER	ABRAHAM IKORO (07) 5596 1425	24 LOTS SUBDIVISION HIGHLAND COURT WATERGUM DRIVE, PIE CREEK	PROJECT / SUB PROJECT NO.
PHONE: -	HP GAS, REFER GAS	CANCELLING LOTS	500 on SP311232	PLANNER	DAVID VAN GENT (07) 5596 1425		S1301368
MOBILE: -	WATER, REFER CIVIL	LOCAL AUTHORITY	GYMPIE REGIONAL COUNCIL	PHONE			Sheet 2 of 2
FAX: -	STORMWATER, REFER CIVIL	UBD REF		ISSUE DATE	03 NOVEMBER 2020		ISSUE NO. B
	SEWERAGE, REFER CIVIL	PEGGED?					