

- Change of Grade
- Fence
- Sewer Manhole
- Sewer Connection
- S Sewer Main
- Stormwater Manhole
- Stormwater Gully Pit
- Stormwater Main
- SW
- Roofwater Pit
- Roofwater Pipe
- Water Valve/Hydrant
- Water Reticulation
- Water Meter Location
- Retaining Wall
- Retaining Wall
- Contour Interval 0.5m

NOTE:  
This plan is a combination of the formal as constructed plans prepared and issued by Norris Clarke & O'Brien as part of the submission to the relevant authorities.  
At all times the formal survey plan and formal as constructed plans should be used for the detail information required for any development on the lots.  
This note is an integral part of this plan.

A	ORIGINAL ISSUE	14/6/17
ISSUE	DESCRIPTION	DATE

MINNIPPI PARKLANDS

STAGE 4 LOTS

SEE SP292596 for lot dimensions and areas

Scale in Metres 1:500 at A1

Norris Clarke & O'Brien Pty Ltd

Licensed Surveyors

Town Planners

Development Consultants

Level 1 - Aldi Centre, 12 Bishop Street

Kelvin Grove QLD 4059

ph: 07 3012 0000 fax: 07 3012 0099

email: info@ncob.com.au

ACN: 056 870 770 ABN: 15 056 870 770

COMP FILE 6622AC-ST4-ALL-170614.DWG

ISSUE: A

Date 14/06/2017 Ref. 6622S4

Datum for Levels ..... AHD  
Levelled from PSM No.6723..RL23.531m AHD




FINAL/PARTIAL

AS CONSTRUCTED

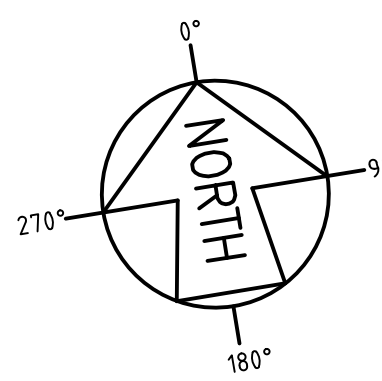
CV ENERGY SERVICES

PHONE: (07) 3622 4333 FAX: (07) 3622 4334

NAME: Peter Pfeifle

SIGN: 

DATE:



CREEK ROAD

STAGE 1

128  
NATURE RESERVE

129  
NATURE RESERVE

124  
(FUTURE  
TOWN HOUSES)

FUTURE  
STAGE 5

STAGE 4

STAGE 2

STAGE 3

THE HUB

ALIGNMENT NOTE

UNDERGROUND SERVICES IDENTIFICATION


































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



DIAL 1100  
BEFORE YOU DIG

DIAL BEFORE YOU DIG SERVICE  
PHONE 1100  
FAX 1300 652 077  
YOUR REQUEST SHOULD BE FORWARDED 2 WORKING DAYS BEFORE PLANNED EXCAVATION DATE.

LEGEND OF SYMBOLS

-  PROPOSED STREETLIGHT-S100
-  PROPOSED STREETLIGHT-S250
-  PROPOSED STREETLIGHT-S70A
-  PROPOSED STREETLIGHT-S70
-  PROPOSED STREETLIGHT-S150A
-  PROPOSED STREETLIGHT- F32A
-  PROPOSED STREETLIGHT- F32
-  EXISTING CONDUIT
-  PROPOSED 40mm CONDUIT (EMPTY)
-  PROPOSED 100mm CONDUIT (EMPTY)
-  PROPOSED 125mm CONDUIT (EMPTY)
-  PROPOSED CONDUIT & CABLE
-  PROPOSED CABLE IN EXISTING CONDUIT
-  EXISTING CABLE & CONDUIT
-  CUBICLE TRANSFORMER
-  SERVICE PILLAR-PROPOSED
-  SERVICE PILLAR-EXISTING
-  LINK PILLAR
-  POLE - HV & LV
-  POLE - LV
-  POLE - HV
-  EARTH
-  GROUND STAY
-  POLE STAY
-  JOINT
-  STATION NUMBER
-  SWITCHBOARD
-  AIR BREAK SWITCH
-  POLE TRANSFORMER
-  O/H MAINS-PROPOSED
-  O/H MAINS-EXISTING
-  UG CABLE-PROPOSED
-  UG CABLE-EXISTING

\*\*\*ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE\*\*\*

SITE LAYOUT

ISSUE FOR  
CONSTRUCTION

**NOTE:**

1. REFER ENERGEX UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL FOR DETAILS OF CONDUIT CROSS-SECTIONS. TRENCH MAY BE SHARED WITH TELSTRA. ALL CONSTRUCTION TO COMPLY WITH ENERGEX MANUALS & WCS's.
2. PROTECTIVE PVC COVER STRIPS TO BE INSTALLED ABOVE ALL CONDUITS WHERE THEY CROSS FOOTPATHS OR NON-STANDARD ALIGNMENTS OR WHERE THE CABLES ARE DIRECT -LAID.
3. THE CONTRACTOR SHALL MEASURE ACTUAL CABLE LENGTHS REQUIRED ON SITE AFTER INSTALLATION OF CONDUITS THEN NOTIFY SUPPLIER WHEN CONFIRMING CABLE ORDER.
4. ALL CONDUIT BENDS MUST BE 1830mm RADIUS EXCEPT FOR 40mm HD STREETLIGHT CONDUITS AND THE BENDS UP INTO SERVICE PILLARS, REFER UDCM.
5. CONTRACTOR TO SUPPLY ALL LABELS AND ALL SITE ID NUMERALS TO ENERGEX SPECIFICATION.
6. NO STRUCTURES, LARGE TREES OR LANDSCAPING FEATURES SHALL BE INSTALLED OVER ELECTRICAL CABLES/CONDUITS.
7. THE CONTRACTOR INSTALLING ELECTRICAL CONDUITS SHALL TAKE CARE TO AVOID DAMAGE TO TREES OR TREE ROOTS WHEN TRENCHING.
8. CABLE/CONDUITS ARE NOT ALLOWED TO BE INSTALLED UNDER THE BIO PODS.
9. ONLY ENERGEX APPROVED MATERIALS ARE TO BE USED FOR CONSTRUCTION.
10. CONDUITS TO BE INSTALLED ONLY AFTER FINAL LEVELS ARE ESTABLISHED.
11. SURVEY PEGS TO BE INSTALLED PRIOR TO TRENCHING AND PILLAR INSTALLATION.
12. ENSURE WATER METERS ARE AT LEAST 2.0m CLEAR OF ELECTRICITY PILLARS.
13. PMT SITE TO BE LEVEL IF MORE THAN 300mm FALL/RISE WITHIN 2.0m OF SITE, THEN CONSTRUCTION OF RETAINING WALL & HANDRAIL IS REQUIRED BY ENERGEX. SITE TO BE ABOVE 0.100 FLOOD LEVEL & CLEAR OF OTHER SERVICES. (SURVEY & EXCISE SITE AS ROAD RESERVE)
14. DEVELOPER TO ARRANGE TREES TO BE TRIMMED IN VICINITY OF STREET LIGHTS AND TO ENSURE ALL CABLE ROUTES ON FOOTPATH ARE CLEAR OF VEGETATION.
15. NO STREET TREES SHOULD BE PLANTED WITHIN 7m OF STREET LIGHTS.
16. STREETLIGHTS TO BE INSTALLED ONLY AFTER FINAL LEVELS ARE ESTABLISHED.
17. ALL NEW LIGHTING SHOWN IS ON RATE 2, OWNED AND MAINTAINED BY ENERGEX.
18. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO FORMALLY NOTIFY ENERGEX NETWORK ON THE COMPLETION OF THIS WORK OF DATES OF ENERGISATION/DE-ENERGISATION IN ORDER TO INITIATE BILLING OF ANNUAL OPERATING COSTS TO THE OWNER AND OPERATOR. AS CONS WITHIN 10 DAYS OF ENERGISATION.
19. STREETLIGHT PITS TO BE LOCATED NO FURTHER THAN 3.0m FROM AND NO CLOSER THAN 0.5m TO ROAD LIGHTING POLES.

STREETLIGHTING CERTIFICATION

ROAD LIGHTING CERTIFIED TO COMPLY WITH  
THE NOMINATED CATEGORIES OF  
AS/NZS1158.1.1:2005 & AS/NZS1158.3.1:2005

SUTTON PLACE & HARRIS CLOSE P4

CERTIFIED K.A. GOSDEN  
23/11/2016 RPEQ NO.3179

RELATED ELECTRO PROJECTS

STAGES	ELECTRO PROJECT NO.	ENERGEX PROJECT NO.
1 & 2	K3482-2	S0500486
3	K3482-5	S0500488
4	K3482-7	S0500489

REV	DATE	DETAILS	DRAWN	CHECKD	APPRVD	DRAWING No.	SURVEY PLAN	REFERENCE DRAWING TITLE
D	27/01/17	STREETLIGHT SCHEDULE UPDATED	I.H.	G.J.	K.G.			
C	27/01/17	ISSUE FOR CONSTRUCTION	I.H.	G.J.	K.G.			
B	08/12/16	STREETLIGHT OUTREACH CHANGED	I.H.	G.J.	K.G.			
A	29/11/16	INITIAL ISSUE	J.C.	G.J.	K.G.			
PR	23/11/16	PRELIMINARY DESIGN	I.H.	G.J.	K.G.	X-B00139-DESIGN		
REV	DATE	DETAILS	DRAWN	CHECKD	APPRVD	DRAWING No.		



CV  
Services Group

delivering the edge

COUNCIL REF NO.	BRISBANE CITY COUNCIL
	A004288203
ELECTRICAL CONTRACTOR	CV SERVICES MICHAEL HODGE PH: 0448 039 985
ELECTRO DESIGNER	GAYAN JAYAWERA PH: 3871 1139
LOT DESCRIPTION	PROPOSED LOTS 80-93, 109-123 & 133 CANCELLING PART OF LOT 2 ON RP192319 & LOT 3 ON RP192319

ELECTRO

Technical Consultants

SUITE 21, 180 MOGGILL ROAD TARINGA 4068

Ph 3871 1139 Fax 3871 1159

g@electro.net.au

ELECTRICITY SUPPLY SPECIALISTS  
COPYRIGHT - INTELLECTUAL PROPERTY WILL ONLY  
BE LICENSED BY US ONCE PAYMENT IS RECEIVED IN FULL

CERTIFICATION	NAME: KENT GOSDEN
	DATE: 29/11/16
	RPEQ No: 3179
APPROVED	KENT GOSDEN
	G.J. / J.C.
DES / DWN	

ELECTRICAL RETICULATION & STREETLIGHTING DESIGN

STAGE 4

COMMUNITY LINKS ESTATE

1825 CREEK ROAD

CANNON HILL

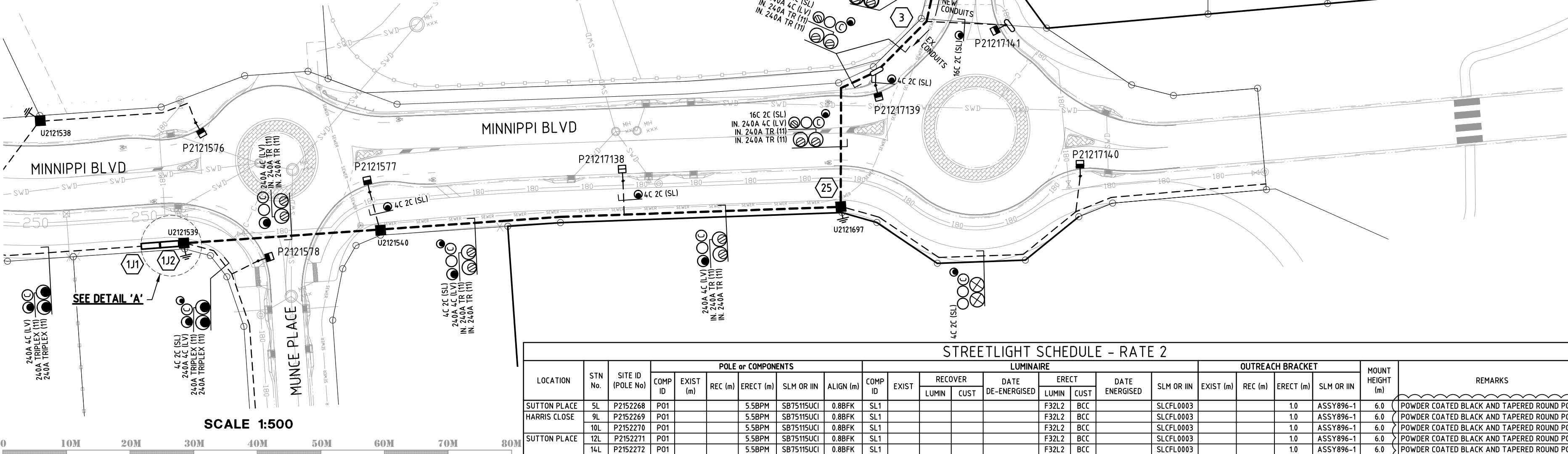
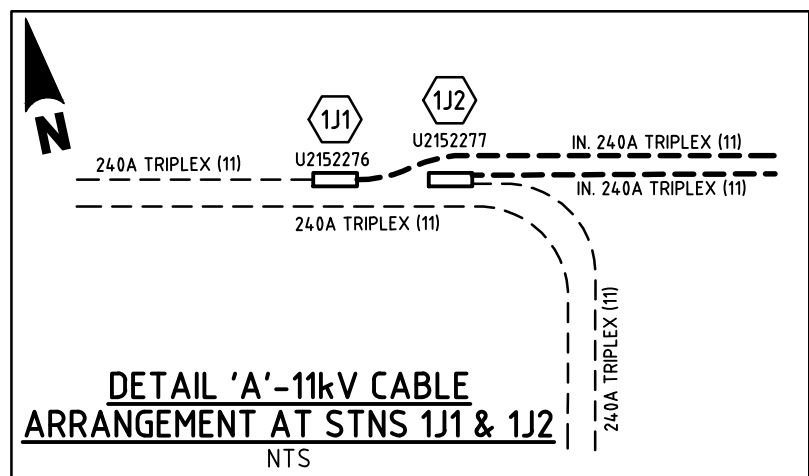
SCALE	NTS	A1
DRAWING NUMBER	K3482-7-1	
ENERGEX PROJECT NUMBER	S0500489	
SHEET 1 OF 3	REVISION	D



EQUIPMENT SCHEDULE													
LOCATION	STN No	SITE ID	EXISTING	REC	INSTALL	SIZE & DESCRIPTION	IN	COMP ID	PLANT No	MODEL ID	QTY	LCC	REMARKS
SUTTON PLACE	1	SC2152267			X	315kVA PADMOUNT TRANSFORMER-SQUARE TYPE		TRI		S21659	1		
					X	BASE SLAB FOR UNCLVERT				SC001960	1		
					X	UNCLVERT				SC001959	1		
					X	HV FUSES FOR 315kVA PMT				DSHV35LK	1		
					X	315A LV FUSES				DSLVF31	3		
					X	240AL LV SWITCHGEAR TERM				LVPT4C240	3		
					X	240AL 11kV TRIPLEX S/G TERM				TCFC9524XLG	2		
					X	SQUARE TYPE PMT COMMON EARTH				DSS0PMCEG	1		
MINNIPPI BOULEVARD	1/1	U2152276			X	240A 11kV TRIPLEX STRAIGHT JOINT		J01		11S224/24X	1		
					X	240A 11kV TRIPLEX PARALLEL JOINT		J01		11PB117628	1		
SUTTON PLACE	2	U2152250			X	2 WAY PILLAR		PH		LVSPA-6	1		
					X	CROSS ROAD PILLAR		PH		LVSP12-6	1		
HARRIS CLOSE	6	U2152252			X	2 WAY PILLAR-SL		PH		LVSPA-6SL	1		
					X	2 WAY PILLAR		PH		LVSPA-6	1		
					X	2 WAY PILLAR		PH		LVSPA-6	1		
					X	2 WAY PILLAR		PH		LVSPA-6	1		
					X	CROSS ROAD PILLAR-SL		PH		LVSP12-6SL	1		
					X	1-WAY PILLAR-SL		PH		LVSP2-6SL	1		
SUTTON PLACE	11	U2152257			X	MEN		PH		LVCMEN	1		
					X	CROSS ROAD PILLAR		PH		LVSP12-6	1		
					X	2 WAY PILLAR-SL		PH		LVSPA-6SL	1		
					X	2 WAY PILLAR-SL		PH		LVSPA-6SL	1		
					X	MEN		PH		LVCMEN	1		
					X	CROSS ROAD PILLAR		PH		LVSP12-6	1		
MINNIPPI BOULEVARD	23	U2152266			X	CROSS ROAD PILLAR		PH		LVSP12-6	1		
					X	2 WAY PILLAR		PH		LVSPA-6	1		
					X	CROSS ROAD PILLAR		PH		LVSP12-6SL	1		
					X	2 WAY PILLAR-SL		PH		LVSPA-6SL	1		
					X	MEN		PH		LVCMEN	1		
					X	CROSS ROAD PILLAR		PH		LVSP12-6	1		
MINNIPPI BOULEVARD	25	U216297	X			1-WAY PILLAR-SL		PH					CONVERT TO 2 WAY PILLAR
			X			MEN							
					X	240AL LUG SET				LVSP1240	1		

URD CIVIL WORKS SCHEDULE – FOOTPATHS																		
LOCATION	STATIONS TO-FROM	CONDUIT LENGTH (m)						BENDS (°/No)		PVC CABLE PROTECTION (m)				X-SECTION (m)		DRAW WIRE	KERB MARK	REMARKS
		40mm HD ORANGE	No	100mm HD WHITE	No	100mm LD ORANGE	No	125mm LD ORANGE	No	40mm	100mm	125mm	150	200	300			
SUTTON PLACE	1-3															N	65	
	1-5					25	2	11								5	54	
	5-5L	3	1										3			3	0	5
	5-6	17	1					17	2				17			17	Q	57
	6-13							70	1							70	0	72
HARRIS CLOSE	7-11							91	1							91	0	93
	9-9L	21	1									21				21	0	23
	10-10L	3	1										3			3	0	5
	12-12L	3	1										3			3	0	5
	13-14	17	1					17	1				17			17	P	38
SUTTON PLACE	14-14L	3	1										3			3	0	5
	14-15							19	1				3			3	0	19
	16-19							29	1							29	0	31
	18-18L	20	1									20				20	0	22
	19-19L	3	1										3			3	0	5
	19-20	15	1					15	1				15			15	P	34
	20-24							48	1							48	0	50
	22-22L	3	1										3			3	0	3
	TOTALS		108		11	395		22					108			401		588

URD CIVIL WORKS SCHEDULE - ROAD CROSSINGS - NEW ROADS																
LOCATION	STATIONS TO-FROM	CONDUIT LENGTH (m)					BENDS (°/7m)	PVC CABLE PROTECTION (m)			X-SECTION (m)		DRAW WIRE	KERR MARK	REMARK	
		40mm HD ORANGE	No	100mm HD WHITE	100mm LD ORANGE	No		125mm LD ORANGE	No	100mm	150	200				300
SUTTON PLACE	2-4				14	1				14		14	D	16	2	
	6-7				19	1				19		19	D	21	2	
	8-9									15		15	D	17	2	
	13-16				20	1				20		20	D	22	2	
	17-18				13	1				13		13	D	15	2	
HARRIS CLOSE	22-21				15	1				15		15	D	17	2	
	22-23				22	1				22		22	D	24	2	
	TOTALS				118					22		118	D	132	14	



							ALIGNMENTS	
27/01/17	STREETLIGHT SCHEDULE UPDATED	I.H.	G.J.	K.G.			ENERGEX OH 3.25m	
27/01/17	ISSUE FOR CONSTRUCTION	I.H.	G.J.	K.G.			ENERGEX UG 0.0-9m	
08/12/16	STREETLIGHT OUTREACH CHANGED	I.H.	G.J.	K.G.			TELSTRA SEE DBYD	
29/11/16	INITIAL ISSUE	J.C.	G.J.	K.G.			GAS SEE DBYD	
23/11/16	PRELIMINARY DESIGN	I.H.	G.J.	K.G.	X-B00139-DESIGN	SURVEY PLAN	HP GAS SEE DBYD	
							WATER SEE DBYD	
							STORMWATER SEE DBYD	
							SEWERAGE SEE DBYD	
							OTHER	



COUNCIL REF NO.	BRISBANE CITY COUNCIL
ELECTRICAL CONTRACTOR	CV SERVICES MICHAEL HODGE PH: 0418 039 985
ELECTRO DESIGNER	GAYAN JAYAWERA PH: 3871 1139
LOT DESCRIPTION	PROPOSED LOTS 80-93, 109-123 & 133 CANCELLING PART OF LOT 2 ON RP92319 & LOT 3 ON RP92319



CERTIFICATION	NAME: KENT GOSDEN
DATE:	29/11/16
RPEQ No:	3179
APPROVED	KENT GOSDEN
DES / DWN	G.J. / J.C.

ELECTRICAL RETICULATION & STREETLIGHTING DESIGN			SCALE	1:500@A1	A1
STAGE 4			DRAWING NUMBER	K3482-7-1	
COMMUNITY LINKS ESTATE			ENERGEX PROJECT NUMBER	S0500489	
1825 CREEK ROAD			SHEET 2 OF 3	REVISION D	
CANNON HILL					

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
MINNIPPI BOULEVARD	1-1J1	11kV				X	240mm² AL TRIPLEX	11AT240XSH	152	162		
	1-1J2	11kV				X	240mm² AL TRIPLEX	11AT240XSH	151	161		
	1-25	LV				X	240mm² 4C AL XLPE	LVA4240XPV	49	55		
	1-2	LV				X	240mm² 4C AL XLPE	LVA4240XPV	6	12		
	2-6	LV				X	240mm² 4C AL XLPE	LVA4240XPV	77	86		
SUTTON PLACE	2-4	LV				X	240mm² 4C AL XLPE	LVA4240XPV	40	46		
	2-4	LV				X	16mm² 4C Cu XLPE	LVC416XPV	14	17		
	6-5L	SL				X	4mm² 2C PVC/PVC	LVC24PVPV	20	26		
	6-10	LV				X	240mm² 4C AL XLPE	LVA4240XPV	90	99		
	8-9	LV				X	16mm² 4C Cu XLPE	LVC416XPV	15	18		
HARRIS CLOSE	9-9L	SL				X	4mm² 2C PVC/PVC	LVC24PVPV	21	27		
	10-10L	SL				X	4mm² 2C PVC/PVC	LVC24PVPV	3	10		
	10-11	LV				X	16mm² 4C Cu XLPE	LVC416XPV	22	25		
	12-12L	SL				X	4mm² 2C PVC/PVC	LVC24PVPV	3	7		
	12-13	LV				X	240mm² 4C AL XLPE	LVA4240XPV	37	40		
SUTTON PLACE	13-15	LV				X	16mm² 4C Cu XLPE	LVC416XPV	37	40		
	13-14L	SL				X	4mm² 2C PVC/PVC	LVC24PVPV	20	27		
	13-22	LV				X	240mm² 4C AL XLPE	LVA4240XPV	95	104		
	17-18	LV				X	16mm² 4C Cu XLPE	LVC416XPV	13	16		
	18-18L	SL				X	4mm² 2C PVC/PVC	LVC24PVPV	21	27		
TOTALS	20-21L	LV				X	16mm² 4C Cu XLPE	LVC416XPV	16	19		
	22-22L	SL				X	4mm² 2C PVC/PVC	LVC24PVPV	3	10		
	22-23	LV				X	16mm² 4C Cu XLPE	LVC416XPV	22	33		
	11kV					X	240mm² AL TRIPLEX	11AT240XSH		442		
	LV					X	240mm² 4C AL XLPE	LVA4240XPV		160		
	SL					X	4mm² 2C PVC/PVC	LVC24PVPV		158		

RELATED ELECTRO PROJECTS		
STAGES	ELECTRO PROJECT NO.	ENERGEX PROJECT NO.
1 & 2	K3482-2	S0500486
3	K3482-5	S0500488
4	K3482-7	S0500489











