

ALL LIGHTING CALCULATIONS ARE AVAILABLE UPON REQUEST.

DETAILS AND SIGNIFICANT ROAD FEATURES, REFER TO DRAWING.

FOR LIGHTING ARRANGEMENT, SPACINGS, MOUNTING HEIGHTS, OUTREACH

WORKPLAN NOTES

- 1. FOR STANDARD UNDERGROUND DUCT SECTIONS REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWING 5168.
- 2. POLYMERIC COVER TO BE INSTALLED OVER CONDUITS OUTSIDE NORMAL ERGON ALIGNMENT AS PER ERGON DRAWING. 5022-1 AND 5124-1 &
- 3. STANDARD TRENCH ALIGNMENT IS 0.3 TO 0.9 METRES OFF PROPERTY ALIGNMENT SUBJECT TO LOCATION OF OTHER SERVICES. REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWING 5164 AND DRAWING 5228 FOR TRENCHES WITH NBNCo CONDUITS.
- STREETLIGHT POLE FOOTINGS SHALL BE LOCATED PERPENDICULAR TO THE KERB, AT THE PROLONGATION OF THE SIDE PROPERTY BOUNDARY, UNLESS DETAILED OTHERWISE. WHERE DIMENSIONS ARE SHOWN THEY TAKE PRECEDENCE OVER GRID COORDINATES.
- 5. ALL CONDUITS SHALL BE CONTINUOUS UNLESS DETAILS OTHERWISE
- 6. FOR STANDARD UDC CONSTRUCTION PRACTICES REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWINGS 5022, 5085 AND 5124.
- 7. INSTALLATION OF DISTRIBUTION CABINET REQUIRED IN ROAD RESERVE ADJACENT TO LOT 800, STATION 3. CABINET SITE IS TO BE 850mm x 300mm. REFER TO ERGON DWG VC115120-ERG.
- 8. DEVELOPER SHALL INSTALL DISTRIBUTION CABINET FOUNDATION. REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWINGS-ASSEMBLY- 534 & 535.
- 9. THERE ARE 12 x 25W LED SYLVANIA STREET AEROSCREEN, 3 x 24W LED SYLVANIA STREET MINOR ROAD, 6 x 50W PHILIPS ROAD FLAIR, AEROSCREEN MAJOR ROAD STREETLIGHTS ON RATE 2.
- 10. STREETLIGHT DESIGN TO AS1158 CATEGORY P4 AND CATEGORY P11C ON CARPARK.
- 11. MINOR STREETLIGHTS THE DEVELOPER SHALL SUPPLY AND INSTALL STREETLIGHT BASES. FOUNDATION DEPTH IS 1200mm FOR MINOR STREETLIGHTS. REFER TO LIGHTING CONSTRUCTION MANUAL DRAWING 1-6-4-1 & 2. CENTRELINE OF STREETLIGHT SHALL BE AT 0.9m FROM INVERT OF KERB. WHERE THE ROAD IS UN-KERBED OR THERE IS A FLUSH KERB, CENTRELINE OF STREETLIGHT SHALL BE 1.3m FROM THE OUTER EDGE OF THE BITUMEN.
- 12. MAJOR STREETLIGHTS THE DEVELOPER SHALL SUPPLY AND INSTALL STREETLIGHT BASES. FOUNDATION DEPTH IS 2250mm FOR MAJOR STREETLIGHTS. REFER TO LIGHTING CONSTRUCTION MANUAL DRAWING 1-5-6-1 & 2 FOR BPM FOOTINGS. FOR ALL FOOTPATHS, CENTERLINE OF STREETLIGHT SHALL BE 1.2m FROM THE INVERT OF KERB AND CHANNEL. WHERE THE ROAD IS UN-KERBED, CENTERLINE OF STREETLIGHT SHALL BE 1.5m FROM THE EDGE OF BITUMEN.
- 13. THE LIGHTING DESIGN INCLUDES AN ALLOWANCE FOR CONSTRUCTION TOLERANCE OF LIGHT POLES SUCH THAT ANY STREETLIGHT CAN BE POSITIONED UP TO A MAXIMUM OF ±350mm LONGITUDINALLY FROM THE POSITION SHOWN AND UP TO 100mm MAXIMUM FURTHER AWAY FROM KERB EDGE, INCLUDING POLES WITH GRID COORDINATES, AND STILL MAINTAIN COMPLIANCE.
- 14. CONFIRM ALL CONDUIT AND CABLE LENGTHS PRIOR TO INSTALLATION.
- 15. FOR BATTLEAXE BLOCKS, SERVICE CONDUITS MUST BE EXTENDED 2m PAST THE EXTENT OF DRIVEWAY. SERVICE CONDUITS TO BE 80mmHD TO AS3000 WHERE BATTLEAXE BLOCKS.
- 16. WHERE SHOWN, 35mm sq ANNEALED BARE Cu EARTH SHALL BE INSTALLED AT BOTTOM OF TRENCH, IN NATURAL SOIL, BELOW BEDDING SAND, LOCATED A MINIMUM OF 50mm HORIZONTALLY TOWARDS PROPERTY BOUNDARY FROM CONDUITS (HV OR LV) INSTALLED ON PROPERTY BOUNDARY SIDE OF TRENCH. COIL 2m OF CABLE AT SPECIFIED STATIONS IN THE CONDUIT DUCTING SCHEDULE AND ALL REQUIRED JOINTS FOR CONNECTION BY ELECTRICAL CONTRACTOR. THE USE OF THE EARTH ROD CONNECTOR (U-BOLT, IIN. 0719437) IS NOT ACCEPTABLE FOR CONDUCTOR / CABLE TO CONDUCTOR / CABLE CONNECTIONS. IN ADDITION PARALLEL GROOVE CLAMPS ARE NOT ACCEPTABLE FOR JOINTING OR CONNECTING EARTHS BELOW GROUND LEVEL. ACCEPTABLE METHODS SHALL BE EITHER A CRIMP LINK OR A 'C' TYPE COMPRESSION CONNECTOR. CRIMP LINKS AND 'C' TYPE COMPRESSION CONNECTORS ARE AVAILABLE FROM ERGON ENERGY STORES IIN. 0157746 AND IIN. 2406222 RESPECTIVELY.
- 17. IN ACCORDANCE WITH ELECTRICAL SAFETY ACT, A SAFETY OBSERVER MUST BE PRESENT AT ALL TIMES WHEN WORKING IN THE VICINITY OF ENERGISED CABLES. CONTACT ERGON ENERGY ON 131046.
- 18. ELECTRONIC CABLE MARKERS (ECM'S) ARE TO BE SUPPLIED AND INSTALLED AT ENDS OF ALL SPARE CONDUITS INCLUDING (SPARE ROAD CROSSINGS, CONDUIT STUBS, FOR FUTURE STAGES, SPARE CONDUITS FOR FUTURE HV, ETC) AND AT ALL CABLE JOINTS. REFER TO ERGON STANDARD SPECIFICATIONS RSC07, RSC08, & RSM02.
- 19. WHERE NOTED ON THE DESIGN, CONCRETE COVER SHALL BE INSTALLED ABOVE CONDUIT, WHERE CONDUIT BURIAL DEPTH IS LESS THAN THAT SPECIFIED IN UNDERGROUND CONSTRUCTION MANUAL DRAWING 5163. FOR FOOTPATHS REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWING 5016. FOR ROAD CROSSINGS REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWING 5017.
- 20. EXTRA CONDUIT BENDS SHALL BE INSTALLED TO ACHIEVE INCREASED BURIAL DEPTH AT ROAD CROSSINGS. REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWING 5022.
- 21. ALL CONTRACTORS MUST CARRY OUT A DIAL BEFORE YOU DIG ENQUIRY BEFORE COMMENCING ANY EXCAVATION.
- 22. PARALLEL FEED FROM STN 2 TO 3. BOTH CABLES TO BE TERMINATED TOGETHER AT BOTH ENDS. PARALLELING KITS REQUIRED AT STN 2 & 3.
- 23. INSTALL PILLAR OFFSET IN ACCORDANCE WITH ERGON DRAWING 5196-2.

2.8m, REFER TO UNDERGROUND CONSTRUCTION MANUAL DRAWING 5000.

- 24. CONTRACTOR TO ENSURE MACKAY REGIONAL COUNCIL POLICY 063 AND 15.05 ARE ADHERED TO WITH RESPECT TO CLEARANCES BETWEEN ELECTRICAL OR COMMUNICATIONS INFRASTRUCTURE AND COUNCIL SERVICES.
- 25. CONTRACTOR TO SUPPLY AND INSTALL ENGRAVED LABEL LOCATED ON LIGHTING TERMINAL STATING "LIGHT FED FROM PILLAR ASSET
- 26. WARNING: LIVE CABLES AND EXISTING SERVICES IN AREA. CONTRACTOR TO USE POT HOLING, HYDRO-VAC EXCAVATION AND CABLE LOCATION WHEN INSTALLING NEW INFRASTRUCTURE.
- 27. CONTRACTOR SHALL NOT INSTALL PITS AT THE BOTTOM OF DRAINS, VEHICLE PATHS, ROADWAYS, DRIVEWAYS, DRAIN INVERTS, BIKEWAYS, RAMPS, PEDESTRIAN ALIGNMENTS, WHEELCHAIR ACCESS OR PATHWAYS. WHERE PITS ARE INSTALLED IN THE MEDIAN, PITS SHALL BE OFFSET FROM THE CENTER OF THE MEDIAN TO PREVENT INSTALLATION IN THE BOTTOM OF DRAIN AND TO ALLOW CONDUITS TO PASS BY THE LIGHT FOOTING.
- 28. STAGE 1R-1 TO BE BUILT CONCURRENTLY WITH STAGE 1A. STAGE 1A PLANS TO BE READ IN CONJUNCTION WITH DWG 2915-E01-E04 FOR COORDINATION WITH CONSTRUCTION OF STAGE 1R -1. CONTRACTOR TO CONFIRM STAGING WITH DEVELOPER PRIOR TO CONSTRUCTION.
- 29. CONTRACTOR TO SUPPLY AND INSTALL LUMINAIRE. LUMINIARES TO BE DIRECTLY PURCHASED FROM EITHER IAN BOLLAM (SYLVANIA) ON 0400385979 FOR THE GERARD LUMINAIRES AND ANDREW CJHASE ON 0411258509 (SIGNIFY) FOR THE PHILIPS LUMINAIRES.
- 30. CONTRACTOR TO INSTALL LV CABLE JOINT IF REQUIRED FOR CABLE AT STN 3 TO 22 & 3 TO 21. ELECTRICAL CONTRACTOR TO MONITOR PULLING TENSION TO DETERMINE IF JOINT IS REQUIRED.
- 31. INSTALLATION OF PADMOUNT SUBSTATIONS REQUIRED IN ROAD RESERVE ADJACENT LOT LOT 800 STN 2. PADMOUNT SITE IS TO BE 3.0m x
- 32. INSTALL PADMOUNTED SUBSTATION EARTHING COMMON EARTH ARRANGEMENT. REFER TO UNDERGROUND CONSTRUCTION MANUAL
- DRAWING 5013 AND RMU DWG. 5221.
- 33. INSTALL LUMINAIRE STREETLED3 24W 2.2K SEMI CUT OFF WITH LOUVRE AT STN 220, 221 AND 222.

	COMMERCIAL/ INDUSTRIAL PILLAR	Drawing Title	Date	DECEMBER 2019
VICE	✓ DISTRIBUTION CABINET	EAST POINT MACKAY STAGE 1A	Scale	1:500@A1
	→ STREETLIGHT	UDC UG ELECTRICAL RETICULATION	Drawn	MD
/ICE		SITE PLAN A & WORKPLAN NOTES	RPEQ Design Certification Jane Errey 6863	Ja Eng

SUBSTATION ---- CABLE EXISTING EASTPOINT MACKAY PTY LTD
 ♠ ♠ ♠
 ZERO LOT BOUNDARY
 HV ISOLATING DEVICE ---- CABLE PLANNED **HV DUCT** C/- URBEX PTY LTD P.O BOX 197 WYNNUM QLD 4178 D 30/06/20 UPDATED LAYOUT - NOTES ADDED LV ISOLATING DEVICE ---- CABLE RECOVER consulting engineers Ph 07 3906 7444 LV DUCT C 11/06/20 FOR APPROVAL - RD XING ADDED MD **CIVIL ENGINEER** ——— EQUIPMENT EXISTING **─**|| EARTH NORMAL PILLAR EMPOWER ENGINEERS 1 OF 6 Tel: (07) 4032 3311 Fax: (07) 4032 5633 B 06/05/20 LAYOUT CHANGED & ADDED SUB LIGHTING DUCT MD PO Box 664 North Cairns QLD 4870 ——— EQUIPMENT RECOVER CROSS ROAD PILLAR POLE ERGON Project Number | SPA Drawing Number | Revision A 06/12/19 FOR CONSTRUCTION MD P.O. BOX 197 EAST POINT MACKAY STAGE 1A 35mm sq ANNEALED Email Address - admin@spaconsulting.com.au WYNNUM QLD 4178 BARE COPPER EARTH ——— EQUIPMENT PLANNED WR-1384495 2926-E01 LINKING PILLAR CABLE JOINT MACKAY HARBOUR, QLD 4740 Revised Code Date ved Ph 07 3893 7000 Fax 07 38934088

Rev Date 29-8-19	PUBLIC LIGHTING SCHEDULE									
STN NO	SITE LABEL	ACTION	CONSTRUCTION CODE	RATE	TARIFF OWNER	MOUNTING HEIGHT (m)	REMARKS			
200	11295337	EXISTING								
201	11295314	EXISTING								
202		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
203		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
204		INSTALL	SLED PH 0509A2.2	RATE 2	MRC	9	REFER TO BELOW NOTES			
205		INSTALL	SLED PH 0509A2.2	RATE 2	MRC	9	REFER TO BELOW NOTES			
206		INSTALL	SLED PH 0509A2.2	RATE 2	MRC	9	REFER TO BELOW NOTES			
207		INSTALL	SLED PH 0509A2.2	RATE 2	MRC	9	REFER TO BELOW NOTES			
208		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
209		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
210		INSTALL	SLED PH 0509A2.2	RATE 2	MRC	9	REFER TO BELOW NOTES			
211		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
212		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
213		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
214		INSTALL	SLED GL 0250 A2.2	RATE 2 MRC		7.5	REFER TO BELOW NOTES			
215		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
216		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
217		INSTALL	SLED PH 0509A2.2	RATE 2	MRC	9	REFER TO BELOW NOTES			
218		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
219		INSTALL	SLED GL 0250 A2.2	RATE 2	MRC	7.5	REFER TO BELOW NOTES			
220		INSTALL	SLED GL 0240 A2.2	RATE 2	MRC	7.5	REFER TO NOTE 33 AND BELOW.			
221		INSTALL	SLED GL 0240 A2.2	2 RATE 2 MRC 7.		7.5	REFER TO NOTE 33 AND BELOW.			
222		INSTALL	SLED GL 0240 A2.2	RATE 2	MRC	7.5	REFER TO NOTE 33 AND BELOW.			

LV PULLING TENSION CALCULATED AND RECORDED

STATION FROM	STATION TO	CALCULATED	RECORDED
1	38	2,520.78 N	N
3	22	7,756.35 N	N
3	50	2,162.69 N	N
50	22	1,838.28 N	N
3	21	11,398.22 N	N
50	21	2,620.57 N	N

HV PULLING TENSION
CALCULATED AND RECORDED

STATION	STATION		RECORDED	
FROM	TO	CALCULATED		
2	1	10,758.75 N	N	

SLEDGL0250A2.2 IS A GERARD LIGHTING STREETLED MK III 25W 2.2K AEROSCREEN LUMINAIRE COMPLETE WITH A -5 DEGREE ADAPTOR. REFER NOTE 29

SLEDPH0509A2.2 IS PHILIPS 50W ROADFLAIR 2.2K AEROSCREEEN LUMINAIRE

SLEDGL0240A2.2 IS A GERARD LIGHTING STREETLED MK III 24W 2.2K LUMINAIRE , WITH STANDARD VISOR AND LOUVRE. REFER NOTE 29



ON COMPLETION, MARK UP THIS PRINT CLEARLY WITH ALL FINAL CHANGES AND RETURN TO PROJECT MANAGER					
CHANGES: YES/NO					
ELECTRICAL CONTRACTOR					
NAME:					
SIGNATURE:					
DATE:					
CIVIL CONTRACTOR					

EASTPOINT MACKAY PTY LTD C/- URBEX PTY LTD P.O BOX 197 WYNNUM QLD 4178 Ph 07 3906 7444 CIVIL ENGINEER EMPOWER ENGINEERS WYNNUM QLD 4178

P.O. BOX 197

consulting engineers

PO Box 664 North Cairns QLD 4870 Email Address - admin@spaconsulting.com.au

ZERO LOT BOUNDARY ----- CABLE EXISTING ---- CABLE PLANNED - CABLE RECOVER

REFER TO NOTE 19

SITE PLAN B

WARNING: LIVE CABLES AND EXISTING SERVICE AND ERGON CONDUITS IN THE AREA. REFER TO

> SUBSTATION HV ISOLATING DEVICE

COMMERCIAL/ INDUSTRIAL PILLAR DISTRIBUTION CABINET →

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STREETLIGHT

RW B

REFER TO NOTE 19

EAST POINT MACKAY STAGE 1A UDC UG ELECTRICAL RETICULATION SITE PLAN B, LIGHTING SCHEDULE EAST POINT MACKAY STAGE 1A

Date DECEMBER 2019 RPEQ Design Certification Jane Errey 6863 ERGON Project Number | SPA Drawing Number | Revision WR-1384495

4 W

5 B

any use of this drawing is forbidden without this company's consent ①

IGNATURE:	
ATE:	
CIVIL CONTRACTOR	
NAME: Anthony Burke	
SIGNITURE: OSBULE	
Date: 08.06.2021	

D 30/06/20 UPDATED LAYOUT - NEW CAR PARK MD

B 06/05/20 LAYOUT CHANGED & ADDED SUB

MD

MD

MD

C 11/06/20 FOR APPROVAL

A 06/12/19 FOR CONSTRUCTION

Tel: (07) 4032 3311 Fax: (07) 4032 5633

HV DUCT LV DUCT LIGHTING DUCT

35mm sq ANNEALED

——— EQUIPMENT EXISTING ——— EQUIPMENT RECOVER CROSS ROAD PILLAR

LV ISOLATING DEVICE NORMAL PILLAR

─|| EARTH POLE

FOR CONTINUATION REFER TO SITE PLAN A ON SHEET 2926-E01

AND LV PULLING TENSION

BARE COPPER EARTH ——— EQUIPMENT PLANNED MACKAY HARBOUR, QLD 4740 CABLE JOINT Revised Code Date Description Approved Ph 07 3893 7000 Fax 07 38934088

CONDUIT SCHEMATIC A FOR CONTINUATION REFER TO CONDUIT SCHEMATIC B ON SHEET 2926-E04 CONDUITS SHOWN ARE INDICATIVE ONLY. DO NOT USE AS REFERENCE FOR CONDUIT LAYING. REFER TO CONDUIT SCHEDULE FOR STATION TO STATION DETAILS AND CONDUIT BEND INFORMATION. REFER TO SITE PLAN AND WORKPLAN NOTES FOR TRENCH SECTION DETAILS. CIVIL INSTALLERS NOTE: EACH PILLAR REQUIRES 2 x 40mm LEAD IN CONDUITS, UNLESS IMMEDIATELY ADJACENT A SUBSTATION. BENDS TO BE INSTALLED AS PER ERGON STANDARD DRAWINGS. CONDUIT SCHEMATIC B CONDUITS SHOWN ARE INDICATIVE ONLY. DO NOT USE AS REFERENCE FOR CONDUIT LAYING. REFER TO CONDUIT SCHEDULE FOR STATION TO STATION DETAILS AND CONDUIT BEND INFORMATION. REFER TO SITE PLAN AND WORKPLAN NOTES FOR TRENCH SECTION DETAILS. CIVIL INSTALLERS NOTE: EACH PILLAR REQUIRES 2 x 40mm LEAD IN CONDUITS, UNLESS IMMEDIATELY ADJACENT A SUBSTATION. BENDS TO BE INSTALLED AS PER ERGON STANDARD DRAWINGS. **HV SCHEMATIC** EXISTING ERGON NETWORK FOR CONSTRUCTION ON COMPLETION, MARK UP THIS PRINT CLEARLY WITH ALL FINAL CHANGES AND RETURN TO PROJECT MANAGER CHANGES: YES/NO **ELECTRICAL CONTRACTOR** SIGNATURE DATE: CIVIL CONTRACTOR NAME: Anthony Burke FOR CONTINUATION REFER TO CONDUIT SCHEMATIC A ON SHEET 2926-E03 SIGNITURE: O.EB.Ja NEW 500KVA SUBSTATION EXISTING 500kVA SUBSTATION Date: 08.06.2021 ADJACENT LOT 800 ADJACENT LOT 501 STATION 1 STATION 2 SUBSTATION ZERO LOT BOUNDARY ----- CABLE EXISTING ☐ COMMERCIAL/ INDUSTRIAL PILLAR Date DECEMBER 2019 EASTPOINT MACKAY PTY LTD EAST POINT MACKAY STAGE 1A Scale DISTRIBUTION CABINET HV ISOLATING DEVICE ---- CABLE PLANNED C/- URBEX PTY LTD P.O BOX 197 WYNNUM QLD 4178 **HV DUCT** UDC UG ELECTRICAL RETICULATION ** STREETLIGHT D 30/06/20 UPDATED LAYOUT - NEW CAR PARK MD LV ISOLATING DEVICE CABLE RECOVER RPEQ Design Certification Jane Errey 6863 consulting engineers CONDUIT SCHEMATIC A AND B Ph 07 3906 7444 In Eng. LV DUCT C 11/06/20 FOR APPROVAL - RD XING ADDED MD CIVIL ENGINEER ——— EQUIPMENT EXISTING **─**|| EARTH NORMAL PILLAR **EMPOWER ENGINEERS** Tel: (07) 4032 3311 Fax: (07) 4032 5633 MD LIGHTING DUCT B 06/05/20 LAYOUT CHANGED & ADDED SUB ——— EQUIPMENT RECOVER CROSS ROAD PILLAR Project Description EAST POINT MACKAY STAGE 1A PO Box 664 North Cairns QLD 4870 POLE ERGON Project Number | SPA Drawing Number | Revision A 06/12/19 FOR CONSTRUCTION MD P.O. BOX 197 35mm sq ANNEALED Email Address - admin@spaconsulting.com.au WYNNUM QLD 4178 BARE COPPER EARTH ——— EQUIPMENT PLANNED WR-1384495 2926-E03 MACKAY HARBOUR, QLD 4740 CABLE JOINT Revised Code Date Description Approved Ph 07 3893 7000 Fax 07 38934088

Rev Date 24-4-19			CO	NDUIT DU	CTING SCH	HEDULE 1/2	
STN FROM	STN TO	ACTION	CONSTRUCTION CODE	LENGTH (m)	No. of LENGTHS / DRUM	BENDS (Degrees/ Radius(mm) x No.)	Remarks
3	4	INSTALL - CIVIL	C100L	33	5.5	45/1200x1	
3	9	INSTALL - CIVIL	C100L	60	10.0	45/1200x1 15/1830x1	
3	21	INSTALL - CIVIL	C100L	230	38.3	45/1200x2 45/1830x1 30/1830x2 15/1830x21	CONDUIT TO AVOID SW PIT.
3	22	INSTALL - CIVIL	C100L	221	36.8	45/1200x1 30/1830x2 15/1830x16	
3	61	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	5	0.0		COIL 2M OF CABLE AT STN 3 FOR CONNECTION BY ELECTRICAL CONTRACTOR & LEAVE IN BOTTOM OF TRENCH AT STN 61.
4	5	INSTALL - CIVIL	C100L	28	4.7	45/1200x2 45/1830x2 15/1830x4	BENDS ADDED TO AVOID NBN PIT.
4	216	INSTALL - CIVIL	C40H	3	0.8	90/300x2	
5	6	INSTALL - CIVIL	C100L	32	5.3	45/1200x2 15/1830x1	
5	8	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	77	0.3		COIL 2M OF CABLE AT STN 5 FOR CONNECTION BY ELECTRICAL CONTRACTOR & LEAVE IN BOTTOM OF TRENCH AT STN 8.
5	10	INSTALL - CIVIL	C100L	32	5.3	45/1200x2 45/1830x1 30/1830x1 15/1830x1	
5	217	INSTALL - CIVIL	C40H	6	1.5	90/300x2 90/600x1	
6	7	INSTALL - CIVIL	C100L	29	4.8	45/1200x2 45/1830x2 15/1830x4	REFER TO NOTE 19.
6	8	INSTALL - CIVIL	C100L	46	7.7	45/1200x2 15/1830x6	
6	218	INSTALL - CIVIL	C40H	24	6.0	90/300x2 90/600x1	
8	40	INSTALL - CIVIL	C100L	29	4.8	45/1200x2 15/1830x4	
8	219	INSTALL - CIVIL	C40H	15	3.8	90/300x2 90/600x1	
9	11	INSTALL - CIVIL	C100L	29	4.8	45/1200x2 15/1830x1	
10	12	INSTALL - CIVIL	C100L	21	3.5	45/1200x2 15/1830x1	
11	13	INSTALL - CIVIL	C100L	31	5.2	45/1200x2 15/1830x3	
12	14	INSTALL - CIVIL	C100L	20	3.3	45/1200x2 15/1830x2	
12	215	INSTALL - CIVIL	C40H	3	0.8	90/300x2	
13	15	INSTALL - CIVIL	C100L	21	3.5	45/1200x2 15/1830x3	
13	62	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	60	0.2		COIL 2M OF CABLE AT STN 13 FOR CONNECTION BY ELECTRICAL CONTRACTOR & LEAVE IN BOTTOM OF TRENCH AT STN 62.
14	71	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	71	0.3		COIL 2M OF CABLE AT STN 14 FOR CONNECTION BY ELECTRICAL CONTRACTOR. LEAVE IN BOTTOM OF TRENCH AT STN 71.
15	16	INSTALL - CIVIL	C100L	23	3.8	45/1200x2 15/1830x2	
15	214	INSTALL - CIVIL	C40H	14	3.5	90/300x2 90/600x1	
16	17	INSTALL - CIVIL	C100L	18	3.0	45/1200x2	
17	20	INSTALL - CIVIL	C100L	43	7.2	45/1200x2 45/1830x1 15/1830x6	
17	63	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	24	0.1		COIL 2M OF CABLE AT STN 17 FOR CONNECTION BY ELECTRICAL CONTRACTOR. LEAVE IN BOTTOM OF TRENCH AT STN 63.
19	18	INSTALL - CIVIL	C100L	12	2.0	90/450x2 45/1830x1 15/1830x4	
19	20	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	24	0.1		COIL 2M OF CABLE AT STN 19 FOR CONNECTION BY ELECTRICAL CONTRACTOR. LEAVE IN BOTTOM OF TRENCH AT STN 20.
19	212	INSTALL - CIVIL	C40H	3	0.8	90/300x2	
19	213	INSTALL - CIVIL	C40H	22	5.5	90/300x2 90/600x1	
20	19	INSTALL - CIVIL	C100L	26	4.3	45/1200x2	
20	211	INSTALL - CIVIL	C40H	14	3.5	90/300x2 90/600x1	
21	23	INSTALL - CIVIL	C100L	26	4.3	45/1200x2	
21	25	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	52	0.2		COIL 2M OF CABLE AT STN 2' FOR CONNECTION BY ELECTRICAL CONTRACTOR & LEAVE IN BOTTOM OF TRENCH AT STN 25.
22	24	INSTALL - CIVIL	C100L	23	3.8	45/1200x2	
22	26	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	44	0.2		COIL 2M OF CABLE AT STN 22 FOR CONNECTION BY ELECTRICAL CONTRACTOR & LEAVE IN BOTTOM OF TRENCH AT STN 26.
22	210	INSTALL - CIVIL	C40H	16	4.0	90/300x2 90/600x1	
23	25	INSTALL - CIVIL	C100L	27	4.5	45/1200x2 15/1830x1	
24	26	INSTALL - CIVIL	C100L	22	3.7	45/1200x2 15/1830x1	
25	27	INSTALL - CIVIL	C100L	20	3.3	45/1200x2	
25	209	INSTALL - CIVIL	C40H	15	3.8	90/300x2 90/600x1	
26	28	INSTALL - CIVIL	C100L	20	3.3	45/1200x2	
27	29	INSTALL - CIVIL	C100L	23	3.8	45/1200x2 15/1830x1	
27	208	INSTALL - CIVIL	C40H	14	3.5	90/300x2 90/600x1	
28	30	INSTALL - CIVIL	C100L	26	4.3	45/1200x2	

4-4-19		CONDUIT DUCTING SCHEDULE 2/2									
STN FROM	STN TO	ACTION	CONSTRUCTION CODE	LENGTH (m)	No. of LENGTHS / DRUM	BENDS (Degrees/ Radius(mm) x No.)	Remarks				
29	65	INSTALL - CIVIL 35mm2 ANNEALED BARE Cu EARTH 43		0.2		COIL 2M OF CABLE AT S 29 FOR CONNECTION E ELECTRICAL CONTRACT & LEAVE IN BOTTOM O TRENCH AT STN 65.					
29	205	INSTALL - CIVIL	C40H	19	4.8	90/300x2 90/600x1					
30	64	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	44	0.2		COIL 2M OF CABLE AT ST 30 FOR CONNECTION BY ELECTRICAL CONTRACTO & LEAVE IN BOTTOM OF TRENCH AT STN 64.				
30	207	INSTALL - CIVIL	C40H	16	4.0	90/300x2 90/600x1					
32	102	INSTALL - CIVIL	C40H	25	6.3	90/600x1					
33	32	INSTALL - CIVIL	C100L	16	2.7	45/1200x2 15/1830x1					
33	68	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	69	0.3		COIL 2M OF CABLE AT ST 33 FOR CONNECTION BY ELECTRICAL CONTRACTO & LEAVE IN BOTTOM OF TRENCH AT STN 68.				
34	33	INSTALL - CIVIL	C100L	6	1.0	45/1200x2					
35	34	INSTALL - CIVIL	C100L	15	2.5	45/1200x2					
35	70	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	47	0.2		COIL 2M OF CABLE AT ST 35 FOR CONNECTION BY ELECTRICAL CONTRACTO & LEAVE IN BOTTOM OF TRENCH AT STN 70.				
36	35	INSTALL - CIVIL	C100L	16	2.7	45/1200x2					
36	203	INSTALL - CIVIL	C40H	4	1.0	90/300x2					
38	36	INSTALL - CIVIL	C100L	33	5.5	45/1200x2 45/1830x1 15/1830x1					
38	66	INSTALL - CIVIL	35mm2 ANNEALED BARE Cu EARTH	NEALED BARE Cu 62 0.2			COIL 2M OF CABLE AT ST 38 FOR CONNECTION BY ELECTRICAL CONTRACTO & LEAVE IN BOTTOM OF TRENCH AT STN 66.				
38	66	INSTALL - CIVIL	C100L	C100L 63 10.5 45/1200x1		LOCATE EXISTING CAPPE CONDUIT AT STN 66 AND CONNECT TO NEW. CONTRACTOR TO ENSUR THAT CONDUIT IS CONTINUOUS TO STN 1.					
38	202	INSTALL - CIVIL	C40H	36	9.0	90/300x2 90/600x1					
40	67	INSTALL - CIVIL 35mm2 ANNEALED BARE Cu EARTH 134 0.5			COIL 2M OF CABLE AT ST 40 FOR CONNECTION BY ELECTRICAL CONTRACTO & LEAVE IN BOTTOM OF TRENCH AT STN 67.						
40	67	INSTALL - CIVIL	C100L	134	22.3	45/1200x1 45/1830x2 15/1830x4	LOCATE EXISTING CAPPE CONDUIT AT STN 67 AND CONNECT TO NEW.				
40	204	INSTALL - CIVIL	C40H	25	6.3	90/300x2 90/600x1					
40	206	INSTALL - CIVIL	C40H	6	1.5	90/300x2 90/600x1					
60	3	INSTALL - CIVIL	C100L	5	0.8	45/1200x1 15/1830x1	LOCATE EXISTING CAPPE CONDUIT AT STN 60 AND CONNECT TO NEW.				
60	3	INSTALL - CIVIL	C100L	5	0.8	45/1200x1 15/1830x1	LOCATE EXISTING CAPPE CONDUIT AT STN 60 AND CONNECT TO NEW				
101	221	INSTALL - CIVIL	C40H	2	0.5	90/300x1					
101	222	INSTALL - CIVIL	C40H	18	4.5	90/300x1					
102	101	INSTALL - CIVIL	C40H	14	3.5						
102	220	INSTALL - CIVIL	C40H	2	0.5	90/300x1					

Rev Date 24-1-18	ERGON SCHEDULE OF WORKS										
STN NO	SITE LABEL	ACTION	CONSTRUCTION CLASS	CONSTRUCTION CODE	DRAWING NUMBER	REMARKS					
1		INSTALL - ERGON	HV CABLE TERMINATION	11 PM/CTC/8DJH/400T	5373	ERGON TO TERMINATE HV COIL CABLE AT STN 1					
1		INSTALL - ERGON	LV CABLE TERMINATION	LV CT PM11/240	5087	ERGON TO TERMINATE LV COIL CABLE AT STN 1					
41		INSTALL - ERGON	PILLAR UPGRADE	LV PNU1-2/240	5074	ERGON TO UPGRADE EXISTING PILLAR TO 2-WAY AT STN 41					

FOR CONSTRUCTION ON COMPLETION, MARK UP THIS PRINT CLEARLY WITH ALL FINAL CHANGES AND RETURN TO PROJECT MANAGER CHANGES: YES/NO **ELECTRICAL CONTRACTOR** SIGNATURE: DATE:__ CIVIL CONTRACTOR NAME: Anthony Burke SIGNITURE: Olbuku Date: 08.06.2021

								CLIENT:
								EASTPOINT MACKAY PTY LTD
								C/- URBEX PTY LTD
D	30/06/20	UPDATED LAYOUT - LIGHTS ADDED	MD					P.O BOX 197 WYNNUM QLD 4178 Ph 07 3906 7444 Fax
С	11/06/20	FOR APPROVAL	MD					CIVIL ENGINEER
В	06/05/20	LAYOUT CHANGED & ADDED SUB	MD					EMPOWER ENGINEERS
Α	06/12/19	FOR CONSTRUCTION	MD					P.O. BOX 197
Code	Date	Description	Revised	Code	Date	Description	Approved	WYNNUM QLD 4178 Ph 07 3893 7000 Fax 07 38934088



cn ₂	LEGEND → → → ZERO LOT BOUNDARY	CABLE EXISTING	SUBSTATION
9 56	HV DUCT	CABLE PLANNED	✓ HV ISOLATING DEV
consulting engineers	 LV DUCT	CABLE RECOVER	I LV ISOLATING DEV
Tel: (07) 4032 3311 Fax: (07) 4032 5633	LIGHTING DUCT	——— EQUIPMENT EXISTING	■ NORMAL PILLAR
PO Box 664 North Cairns QLD 4870	35mm sq ANNEALED	——— EQUIPMENT RECOVER	CROSS ROAD PILL
Email Address - admin@spaconsulting.com.au A business unit of SPA Consulting Engineers (QLD) Pty Ltd a.c.n. 0108444416	BARE COPPER EARTH	EQUIPMENT PLANNED	LINKING PILLAR

EXISTING	SUBSTATION
PLANNED	✓ HV ISOLATING DEVICE
RECOVER	I LV ISOLATING DEVICE
MENT EXISTING	■ NORMAL PILLAR

CROSS ROAD PILLAR

	☐ COMMERCIAL/ INDUSTRIAL PILLAR
Ξ	DISTRIBUTION CABINET
	→★ STREETLIGHT

POLE

CABLE JOINT

☐ COMMERCIAL/ INDUSTRIAL PILLAR	
✓ DISTRIBUTION CABINET	
→ * * * * * * * * * * * * *	
⊣ I EARTH	

Drawing Title
EAST POINT MACKAY STAGE 1A
UDC UG ELECTRICAL RETICULATION
CONDUIT DUCTING SCHEDULE
Project Description
EAST POINT MACKAY STAGE 1A

MACKAY HARBOUR, QLD 4740

	Date	DECEMBER 2019			
	Scale	NTS			
ON	Drawn	MD			
	RPEQ Design Certification Jane Errey 6863	Ja Eng			
	Scale NTS Drawn MD RPEQ Design Certification Jane Errey 6863 Sheet 4 OF 6 ERGON Project Number SPA Drawing No	4 OF 6			
	ERGON Project Number	SPA Drawing Number	Revis		
	WR-1384495	2926-E04			

Rev Date 24-1-18					CONS	TRUCTION SCHED	ULE 1	/2	
STN NO	SITE LABEL	POLE	POLE SETTING	ACTION	CONSTRUCTION CLASS	CONSTRUCTION CODE	DRAWING	POSITION	REMARKS
		ALIGNMENT	DEPTH			23.12.11.00110110000	NUMBER	ON POLE	
1				EXISTING INSTALL -	EARTH				ERGON TO INSTALL CABLE TERMINATION FOR
1				ERGON	HV CABLE TERMINATION	11 PM/CTC/8DJH/400T	5373		CABLE FROM STN 1 TO STN 2.
1				INSTALL - ERGON	LV CABLE TERMINATION	LV CT PM11/240	5087		ERGON TO INSTALL CABLE TERMINATION FOR CABLE FROM STN 1 TO STN 38.
1				EXISTING	SUBSTATION FOUNDATION				
1	11295288			EXISTING	SUBSTATION INC HV SWITCHGEAR				
2				INSTALL	EARTH	E PM11/COM	5013		
2				INSTALL	HV CABLE TERMINATION	11 PM/CTC/8DJH/400T	5373		HV CABLE TERMINATION FOR CABLE FROM STN 2 TO STN 1
2				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		CABLE TERMINATION FOR CABLE FROM STN 2 TO STN 3.
2				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		CABLE TERMINATION FOR CABLE FROM STN 2 TO
2				EXISTING	SUBSTATION FOUNDATION				STN 3
2				INSTALL	SUBSTATION INC HV	PM 11/500/8DJH 2S1F	5191		REFER TO NOTE 31.
					SWITCHGEAR				INSTALL OFFSET FROM TRUNCATION AS
3				INSTALL	DISTRIBUTION CABINET	LV DC6/1 4/PC	5136		SHOWN.
3				INSTALL	EARTH	E MEN/DC	5085		
3				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		CABLE TERMINATION FOR CABLE FROM STN 4 CABLE TERMINATION FOR CABLE FROM STN 2.
3				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		REFER TO NOTE 22.
3				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		CABLE TERMINATION FOR CABLE FROM STN 2. REFER TO NOTE 22.
3				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		CABLE TERMINATION FOR CABLE FROM STN 21
3				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		CABLE TERMINATION FOR CABLE FROM STN 22
3				INSTALL	LV CABLE TERMINATION	LV CT PM11/240	5087		CABLE TERMINATION FOR CABLE FROM STN 9
<u>4</u> 5				INSTALL	PILLAR EARTH	LV PN2/6S/240 E MEN/PIL	5026 5085		
				INSTALL	PILLAR	LV PN3/6S/240	5027		INSTALL PILLAR OFFSET TOWARDS LOT 57.
									REFER TO NOTE 23
6 7				INSTALL	PILLAR EARTH	LV PN3/6S/240 E MEN/PIL	5027 5085		
				INSTALL	PILLAR	LV PN1/6/240	5025		INSTALL PILLAR OFFSET TOWARDS LOT 506 TO
									AVOID SEWER. REFER TO NOTE 23 INSTALL PILLAR OFFSET TOWARDS LOT 39.
8				INSTALL	PILLAR	LV PN2/6S/240	5026		REFER TO NOTE 23 INSTALL PILLAR OFFSET TOWARDS LOT 35.
9				INSTALL	PILLAR	LV PN2/6/240	5026		REFER TO NOTE 23 OFFSET PILLAR TOWARDS LOT 56 AS SHOWN.
10				INSTALL	PILLAR	LV PN2/6/240	5026		REFER TO NOTE 23.
11				INSTALL	PILLAR	LV PN2/6/240	5026		OFFORT DILLAR TOWARDS LOT 55 AS CHOWA
12				INSTALL	PILLAR	LV PN2/6S/240	5026		OFFSET PILLAR TOWARDS LOT 55 AS SHOWN. REFER TO NOTE 23.
13				INSTALL	EARTH	E MEN/PIL	5085		
13				INSTALL	PILLAR	LV PN2/6/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 31. REFER TO NOTE 23
14				INSTALL	EARTH	E MEN/PIL	5085		
14				INSTALL	PILLAR	LV PN1/6/240	5025		
15				INSTALL	PILLAR	LV PN2/6S/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 27.
16				INSTALL	PILLAR	LV PN2/6/240	5026		REFER TO NOTE 15 & 23
17				INSTALL	EARTH	E MEN/PIL	5085		
17				INSTALL	PILLAR	LV PN2/6/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 25. REFER TO NOTE 23
18				INSTALL	PILLAR	LV PX/6/16CU	5041		INSTALL PILLAR OFFSET TOWARDS LOT 23 TO AVOID WATER LEADS IN. REFER TO NOTE 23
19				INSTALL	EARTH	E MEN/PIL	5085		
19				INSTALL	PILLAR	LV PN1/6S/240	5025		INSTALL PILLAR OFFSET TOWARDS LOT 20 TO AVOID WATER LEADS IN. ADDITIONAL 32AMP
						=			FUSE REQUIRED. REFER TO NOTE 23 INSTALL PILLAR OFFSET TOWARDS LOT 19.
20				INSTALL	PILLAR	LV PN2/6S/240	5026		REFER TO NOTE 23
21				INSTALL	EARTH	E MEN/PIL	5085		INSTALL BILLAR OFFSET TOWARDS LOT 47
21				INSTALL	PILLAR	LV PN2/6/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 17. REFER TO NOTE 23
22				INSTALL	EARTH	E MEN/PIL	5085		NOTAL BULL STORES
22				INSTALL	PILLAR	LV PN2/6S/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 50. REFER TO NOTE 23
23				INSTALL	PILLAR	LV PN2/6/240	5026		
24				INSTALL	PILLAR	LV PN2/6/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 48. REFER TO NOTE 23
25				INSTALL	PILLAR	LV PN2/6S/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 13. REFER TO NOTE 23
26				INSTALL	PILLAR	LV PN2/6/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 46. REFER TO NOTE 26
				INSTALL	PILLAR	LV PN2/6S/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 11. REFER TO NOTE 23
27				+		LV PN2/6/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 44.
27				INSTALL	PILLAR	LV PN2/0/240	3020		
				INSTALL	PILLAR EARTH	E MEN/PIL	5085		REFER TO NOTE 23
28									

CLIENT: EASTPOINT MACKAY PTY LTD

Fax 07 38934088

consulting engineers

Email Address - admin@spaconsulting.com.au

A business unit of SPA Consulting Engineers (QLD) Pty Ltd a.c.n. 0108444416

Tel: (07) 4032 3311 Fax: (07) 4032 5633

PO Box 664 North Cairns QLD 4870

C/- URBEX PTY LTD
P.O BOX 197 WYNNUM QLD 4178
Ph 07 3906 7444
Fax

CIVIL ENGINEER
EMPOWER ENGINEERS

P.O. BOX 197 WYNNUM QLD 4178

Approved Ph 07 3893 7000

D 30/06/20 UPDATED LAYOUT - LIGHTS ADDED MD

Description

B 06/05/20 LAYOUT CHANGED & ADDED SUB

MD

MD

MD

Revised Code Date

C 11/06/20 FOR APPROVAL

Code Date

A 06/12/19 FOR CONSTRUCTION

1-18	ı				CONS	TRUCTION SCHED	JLE Z	/2	
TN NO	SITE LABEL	POLE ALIGNMENT	POLE SETTING DEPTH	ACTION	CONSTRUCTION CLASS	CONSTRUCTION CODE	DRAWING NUMBER	POSITION ON POLE	REMARKS
32				INSTALL	EARTH	E MEN/PIL	5085		
32				INSTALL	PILLAR	LV PN1/6S/240	5025		LOCATE PILLAR ON PROPERTY BOUNDARY
00				INICTALL	DULAD	LV/ PNO/0/040	5000		TRUNCATION AS SHOWN. INSTALL PILLAR OFFSET TOWARDS LOT 6 TO
33				INSTALL	PILLAR	LV PN2/6/240	5026		AVOID WATER LEADS IN. REFER TO NOTE 23
34				INSTALL	PILLAR	LV PN2/6/240	5026		NSTALL PILLAR OFFSET TOWARDS LOT 5. REFEI TO NOTE 23
35				INSTALL	EARTH	E MEN/PIL	5085		
35				INSTALL	PILLAR	LV PN2/6/240	5026		INSTALL PILLAR OFFSET TOWARDS LOT 3. REFEI
						1112/0/210	0020		TO NOTE 23 INSTALL PILLAR OFFSET TOWARDS LOT 1. REFEI
36				INSTALL	PILLAR	LV PN2/6S/240	5026		TO NOTE 23
38				INSTALL	EARTH	E MEN/PIL	5085		
38				INSTALL	PILLAR	LV PN2/6S/240	5026		OFFSET PILLAR INTO LOT 501 AS SHOWN TO AVOID WATER LEADS IN. REFER TO NOTE 23
39				EXISTING	EARTH				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
39	11295333			EXISTING	PILLAR				P.O.S. FOR LOT 502
40				INSTALL	EARTH	E MEN/PIL	5085		
40				INSTALL	PILLAR	LV PN1/6S/240	5025		LOCATE PILLAR FROM PROPERTY BOUNDARY TRUNCATION AS SHOWN. ADDITIONAL 32AMP FUSE REQUIRED. TO BE UPGRADED TO TWO WAY IN FUTURE
41	11295318			EXISTING	EARTH				
41	11295318			EXISTING	PILLAR				P.O.S. FOR LOT 800. TO BE UPGRADED TO THREI WAY IN THE FUTURE
41				INSTALL -	PILLAR UPGRADE	LV PNU1-2/240	5074		ERGON ENERGY TO UPGRADE PILLAR TO TWO
				ERGON		LV FINU 1-2/24U	5074		WAY
42	14005000			EXISTING	EARTH				
42	11295323 11295282			EXISTING EXISTING	PILLAR PILLAR				P.O.S. FOR LOT 501
44	11293202			EXISTING	EARTH				F.O.S. FOR LOT 501
44	11295344			EXISTING	PILLAR				
50				INSTALL	CABLE JOINT	LV-CJS240C4	5073		REFER TO NOTE 30.
50				INSTALL	CABLE JOINT	LV-CJS240C4	5073		REFER TO NOTE 30.
100	11295319			EXISTING	TYPE 4 LOOP PIT				
101				INSTALL	TYPE 4 LOOP PIT	SUG SLL/PIT	1-4-9-1		REFER TO NOTE 27.
102				INSTALL	TYPE 4 LOOP PIT	SUG SLL/PIT	1-4-9-1		REFER TO NOTE 27.
200	11295337			EXISTING	POLE				
201	11295314			EXISTING	POLE				
202				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		INSTALL LIGHT POLE OFFSET 27.48M FROM PROPERTY BOUNDARY. REFER TO NOTE 25
203				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		INSTALL LIGHT POLE OFFSET 0.61M FROM
200				II VO I / LEE	1 011	02 B1 W// 0/ 1 10 01	104142		PROPERTY BOUNDARY. INSTALL POLE 2.93M OFFSET FROM PROPERTY
204				INSTALL	POLE	SL BPM/90/1 15/UG CI1	1-5-6-1 & 2		BOUNDARY TRUNCATION AS SHOWN. REFER TO NOTE 25
205				INSTALL	POLE	SL BPM/90/1 15/UG CI1	1-5-6-1 & 2		INSTALLA POLE FROM PROPERTY BOUNDARY TRUNCATION AS SHWON. REFER TO NOTE 25 INSTALL POLE 3.25M OFFSET FROM PROPERTY
206				INSTALL	POLE	SL BPM/90/1 15/UG CI1	1-5-6-1 & 2		BOUNDARY TRUNCATION AS SHOWN. REFER TO NOTE 25 INSTALL POLE 1.97M OFFSET FROM PROPERTY
207				INSTALL	POLE	SL BPM/90/1 15/UG CI1	1-5-6-1 & 2		BOUNDARY TRUNCATION AS SHOWN. REFER TO NOTE 25
208				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		REFER TO NOTE 25.
209				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		REFER TO NOTE 25
210				INSTALL	POLE	SL BPM/90/1 30/UG CI1	1-5-6-1 & 2		INSTALL POLE 2.12M OFFSET FROM PROPERTY BOUNDARY TRUNCATION AS SHOWN. REFER TO NOTE 25 INSTALL LIGHT POLE FROM PROPERTY
211				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		BOUNDARY TRUNCATION AS SHOWN. REFER TO NOTE 25
212				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		
213				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		INSTALL POLE 13.97M OFFSET FROM PROPERTY BOUNDARY AS SHOWN. REFER TO NOTE 25
214				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		REFER TO NOTE 25
215				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		
216				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		
217				INSTALL	POLE	SL BPM/90/1 15/UG CI1	1-5-6-1 & 2		INSTALL POLE FROM PROPERTY BOUNDARY TRUNCATION & PERPENDICULAR TO ROAD CENTRELINE AS SHOWN. REFER TO NOTE 25
218				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		INSTALL POLE 2.24M OFFSET FROM PROPERTY BOUNDARY TRUNCATION AS SHOWN. REFER TO NOTE 25
219				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		INSTALL POLE 1.39M OFFSET FROM PROPERTY BOUNDARY TRUNCATION. REFER TO NOTE 25
\sim	~~~	~~~~	~~~	INICTALI	DOI E	CL DDM75/4.45.01	104400	~~~	INSTALL POLE 12.5M OFFSET FROM PROPERTY
220				INSTALL	POLE	SL BPM/75/1 15 CI	1-6-4-1 & 2		BOUNDARY AS SHOWN. REFER TO NOTE 25 & 3 INSTALL POLE 11.78M OFFSET FROM PROPERTY
220			l	INSTALL	POLE	SL BPM/75/1 15 CI	1-0-4-1 & /		DOLINDADY ACCUSANT THE TENT
				INSTALL	POLE	SL BPM/75/1 15 CI SL BPM/75/1 15 CI	1-6-4-1 & 2		BOUNDARY AS SHOWN. REFER TO NOTE 25 & 3 INSTALL POLE 12.5M OFFSET FROM PROPERTY

CONSTRUCTION SCHEDULE 2/2

Rev Date 24-1-18

LI LIC TO NOTE 23 & 33	SIGNITURE: O.E.S.J.L. Date: 08.06.2021		
	Date	DECEMBER 2019	
STAGE 1A	Scale	NTS	
RETICULATION	Drawn	MD	
EDULE	RPEQ Design Certification Jane Errey 6863	Ju Eng	
	Sheet	5 OF 6	
STAGE 1A	ERGON Project Number	SPA Drawing Number	Revision
017.0E 17.	WR-1384495	2926-E05	D

FOR CONSTRUCTION

ELECTRICAL CONTRACTOR

CHANGES: YES/NO

CIVIL CONTRACTOR

NAME: Anthony Burke

SIGNATURE:

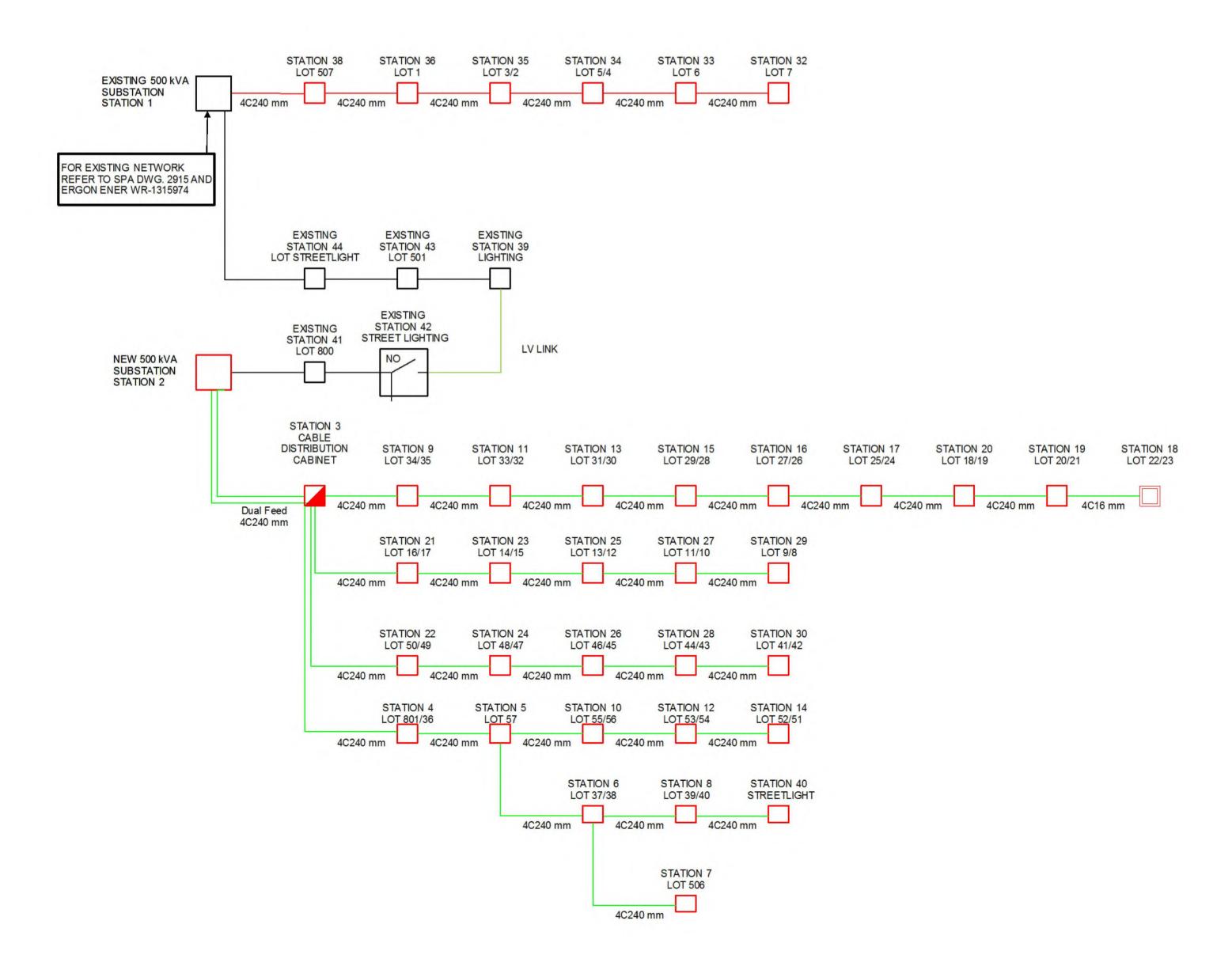
DATE:__

ON COMPLETION, MARK UP THIS PRINT CLEARLY WITH ALL FINAL CHANGES AND RETURN TO PROJECT MANAGER

/	LEGEND	BOUNDARY	 - CABLE EXISTING	SUBSTATION	☐ COMMERCIAL/ INDUSTRIAL PILLAR	Drawing Title	Date	DECEMBER 2019	
			 - CABLE PLANNED	✓ HV ISOLATING DEVICE	✓ DISTRIBUTION CABINET	EAST POINT MACKAY STAGE 1A	Scale	NTS	
	- $ -$ HV DUCT		CARLE RECOVER	LV ISOLATING DEVICE	AL STDEETHOUT	UDC UG ELECTRICAL RETICULATION	Drawn	MD .	
	LV DUCT		 CABLE RECOVER			CONSTRUCTION SCHEDULE	RPEQ Design Certification Jane Errey 6863	Ju Eng.	
	LIGHTING D	DUCT	 - EQUIPMENT EXISTING	■ NORMAL PILLAR	— I EARTH		Sheet	5 OF 6	
	35mm sq AN	NNEALED	- EQUIPMENT RECOVER	CROSS ROAD PILLAR	POLE	Project Description EAST POINT MACKAY STAGE 1A	ERGON Project Number	SPA Drawing Number	Revision
6	BARE COP		- EQUIPMENT PLANNED	LINKING PILLAR		MACKAY HARBOUR, QLD 4740	WR-1384495	2926-E05	D

2-07-18 STN	STN	A OTION:	\/O! T^ ==	CONSTRUCTION	ROUTE	CABLE	
FROM	то	ACTION	VOLTAGE	CODE	LENGTH	LENGTH	REMARKS
1	2	INSTALL	11kV	11-400T/1725	296	316	
1	38	INSTALL	415V	LV-240C4/673	168	180	COIL CABLE AT STN 1 FOR FINAL TERMINATION BY ERGON. DUAL CABLE FEED TO STN 1. REFER TO NOTE 22
2	3	INSTALL	415V	LV-240C4/673	38	51	REFER TO NOTE 22
2	3	INSTALL	415V	LV-240C4/673	38	51	REFER TO NOTE 22
2	41	INSTALL	415V	LV-240C4/673	3	15	COIL CABLE AT STN 41 FOR FINA TERMINATION BY ERGON. REFER NOTE 26
3	4	INSTALL	415V	LV-240C4/673	33	37	
3	9	INSTALL	415V	LV-240C4/673	60	64	
3	21	INSTALL	415V	LV-240C4/673	230	235	REFER TO NOTE 30.
3	22	INSTALL INSTALL	415V	LV-240C4/673 LV-240C4/673	221	225 32	REFER TO NOTE 30.
4	5 216	INSTALL	415V 240V	LVI-4CU2NS/1671	3	8	
_ 5	6	INSTALL	415V	LV-240C4/673	32	36	
5	10	INSTALL	415V	LV-240C4/673	32	36	
5	217	INSTALL	240V	LVI-4CU2NS/1671	6	11	
6	7	INSTALL	415V	LV-240C4/673	29	33	
6	8	INSTALL	415V	LV-240C4/673	46	50	
6	218	INSTALL	240V	LVI-4CU2NS/1671	24	29	
8	40	INSTALL	415V	LV-240C4/673	29	33	
8	219	INSTALL	240V	LVI-4CU2NS/1671	15	20	
9 10	11	INSTALL INSTALL	415V 415V	LV-240C4/673 LV-240C4/673	29 21	33 25	
11	13	INSTALL	415V 415V	LV-240C4/673	31	35	
12	14	INSTALL	415V	LV-240C4/673	20	24	
12	215	INSTALL	240V	LVI-4CU2NS/1671	3	8	
13	15	INSTALL	415V	LV-240C4/673	21	25	
15	16	INSTALL	415V	LV-240C4/673	23	27	
15	214	INSTALL	240V	LVI-4CU2NS/1671	14	19	
16	17	INSTALL	415V	LV-240C4/673	18	22	
17	20	INSTALL	415V	LV-240C4/673	43	47	
19 19	18 212	INSTALL INSTALL	415V 240V	LV-16CUC4/614 LVI-4CU2NS/1671	12 3	16 8	
19	212	INSTALL	240V 240V	LVI-4CU2NS/1671	22	27	
20	19	INSTALL	415V	LV-240C4/673	26	30	
20	211	INSTALL	240V	LVI-4CU2NS/1671	14	19	
21	23	INSTALL	415V	LV-240C4/673	26	30	
22	24	INSTALL	415V	LV-240C4/673	23	27	
22	210	INSTALL	240V	LVI-4CU2NS/1671	16	21	
23	25	INSTALL	415V	LV-240C4/673	27	31	
24	26	INSTALL	415V	LV-240C4/673	22	26	
25	27	INSTALL	415V	LV-240C4/673	20	24	
25 26	209	INSTALL	240V 415V	LVI-4CU2NS/1671 LV-240C4/673	15 20	20 24	
27	28	INSTALL	415V 415V	LV-240C4/673 LV-240C4/673	23	27	
27	208	INSTALL	240V	LVI-4CU2NS/1671	14	19	
28	30	INSTALL	415V	LV-240C4/673	26	30	
29	205	INSTALL	240V	LVI-4CU2NS/1671	19	24	
30	207	INSTALL	240V	LVI-4CU2NS/1671	16	21	
32	102	INSTALL	240V	LVI-16CU2NS/1672	25	29	
33	32	INSTALL	415V	LV-240C4/673	16	20	
34	33	INSTALL	415V	LV-240C4/673	6	10	
35 36	34 35	INSTALL INSTALL	415V 415V	LV-240C4/673 LV-240C4/673	15 16	19 20	
36	203	INSTALL	240V	LVI-4CU2NS/1671	4	9	
38	36	INSTALL	415V	LV-240C4/673	33	37	
38	202	INSTALL	240V	LVI-4CU2NS/1671	36	41	
40	204	INSTALL	240V	LVI-4CU2NS/1671	25	30	
40	206	INSTALL	240V	LVI-4CU2NS/1671	6	11	
101	221	INSTALL	240V	LVI-4CU2NS/1671	2	7	<u> </u>
101	222	INSTALL	240V	LVI-4CU2NS/1671	18	23	<u> </u>
102	101	INSTALL	240V	LVI-16CU2NS/1672	14	18	<u> </u>
102	220	INSTALL	240V	LVI-4CU2NS/1671	2	7	}

LV SCHEMATIC





			CLIENT: EASTPOINT MACKAY PTY LTD	sna/	LEGEND PROPRIED ZERO LOT BOUNDARY	CABLE EXISTING	SUBSTATION	☐ COMMERCIAL/ INDUSTRIAL PILLAR	Drawing Title	Date	DECEMBER 2019
			C/- URBEX PTY LTD	JUA	HV DUCT	CABLE PLANNED	✓ HV ISOLATING DEVICE	DISTRIBUTION CABINET	EAST POINT MACKAY STAGE 1A	Scale	NTS
D 30/06/20 UPDATED LAYOUT	MD		P.O BOX 197 WYNNUM QLD 4178 Ph. 07 3906 7444 Fax	Simon Perkins & Associates consulting engineers		CABLE RECOVER	LV ISOLATING DEVICE	◆★ STREETLIGHT	UDC UG ELECTRICAL RETICULATION UNDERGROUND CABLE SCHEDULE	Drawn RPEQ Design Certificatio	on A Say
C 11/06/20 FOR APPROVAL	MD		CIVIL ENGINEER EMPOWER ENGINEERS	Tel: (07) 4032 3311 Fax: (07) 4032 5633	LV DUCT	——— EQUIPMENT EXISTING	■ NORMAL PILLAR	⊣ I EARTH	AND LV SCHEMATIC	Jane Errey 6863 Sheet	6 OF 6
B 06/05/20 LAYOUT CHANGED & ADDED SUB A 06/12/19 FOR CONSTRUCTION	MD MD		P.O. BOX 197	PO Box 664 North Cairns QLD 4870	LIGHTING DUCT	——— EQUIPMENT RECOVER	CROSS ROAD PILLAR	POLE	Project Description		er SPA Drawing Number Rev
ode Date Description	Revised Code Date	Description	WYNNUM QLD 4178 Approved Ph 07 3893 7000 Fax 07 38934088	Email Address - admin@spaconsulting.com.au A business unit of SPA Consulting Engineers (QLD) Pty Ltd a.c.n. 0108444416	35mm sq ANNEALED BARE COPPER EARTH	——— EQUIPMENT PLANNED	LINKING PILLAR	□ CABLE JOINT	EAST POINT MACKAY STAGE 1A MACKAY HARBOUR, QLD 4740	WR-1384495	5 2926-E06

