

TECHNICAL PROPOSAL

POP2 ABDB012 SEKOLAH JENIS KEBANGSAAN TAMIL LADANG NEW COCONUT (D-SIDE)

Company Name : KNZ ENGINEERING SDN BHD.
Company Address : NO 60 & 60 A JALAN KLEBANG INDAH 1 MEDAN KLEBANG INDAH 30010 IPOH PERAK
Prepared By : FARHAH AFIQAH BINTI AMDON
Date : 28/11/2024



Starting Point

Site / Boundary Name : Sungai Sumun
 Address : SJKT Ladang New Coconut, 36300 Sungai Sumun
 District : Hilir Perak
 Postcode : 36300
 State : Perak
 GPS Coordinate : 3.94232059834253, 100.867340853438
 LRD : A

End Point

Site / Boundary Name : Sungai Sumun
 Address : RPA Sungai Dulang, 36300 Sungai Sumun
 District : Hilir Perak
 Postcode : 36300
 State : Perak
 GPS Coordinate : 3.94917315552689, 100.868808401924
 LRD : B



PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKMM.400-11/17/132(1))



1.0 WORK SUMMARY

NO	PROPOSED DISTANCE AND METHOD	UNIT	QUANTITY
1	Horizontal Directional Drilling (HDD)	m	0
2	Carriage Way Open Trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro Trenching (MT)	m	0
Total			0

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fibre Cables	m	3,130m
2	Install New Pole	ea	56
3	Install New JRC7 Manhole	ea	0
4	Install GI Riser 100mm	ea	0
5	Install Fiber Distribution Point	ea	14
6	Install Closure	ea	3
7	Estimated Time Required for Completion	days	30

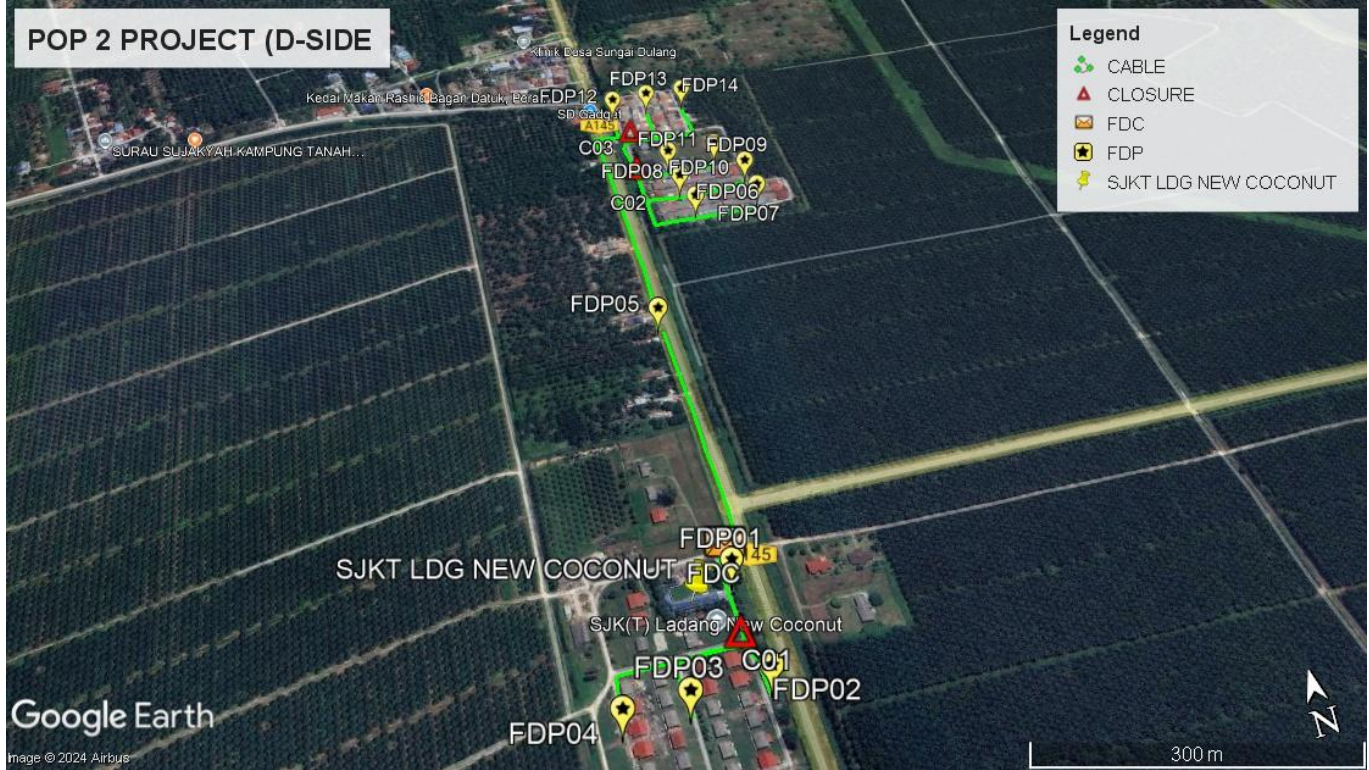
2.0 LOCAL AUTHORITY SUMMARY

Daerah Bagan Datuk

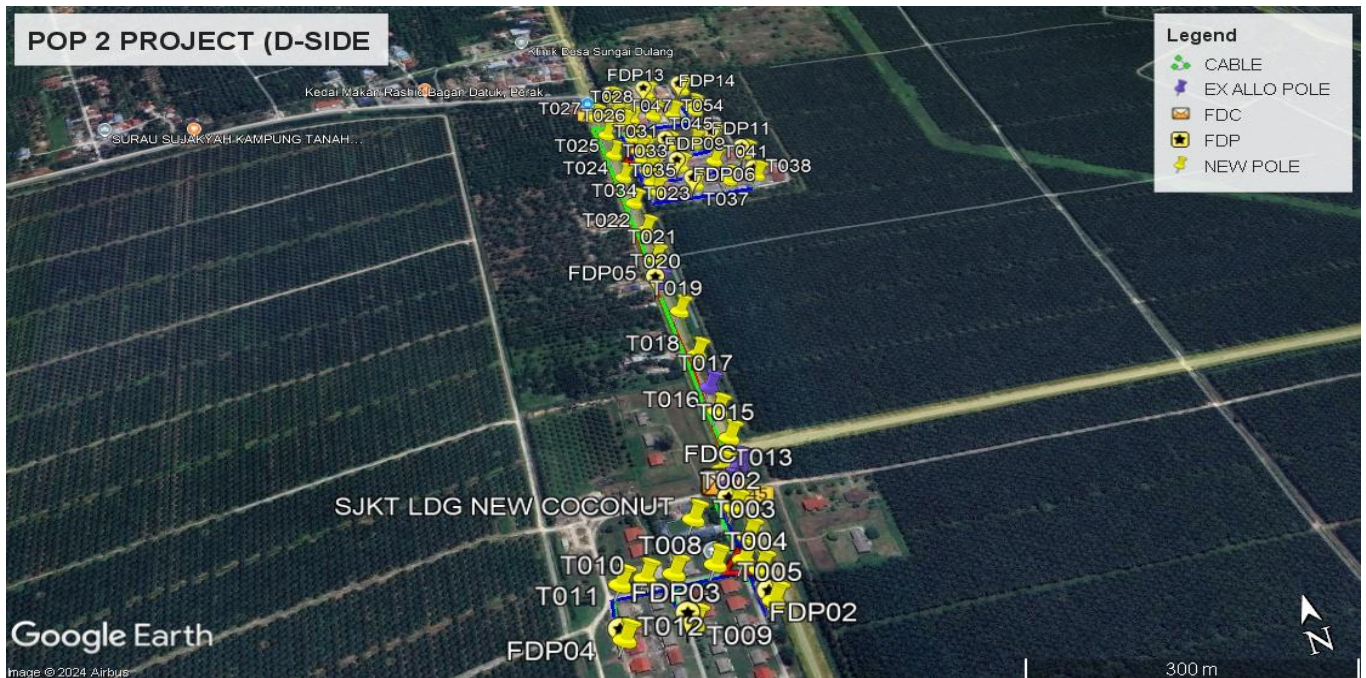
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	15	570m
		Majlis	28	1,100m
		Estate / Private Land	13	450m
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				2,120m

Site Plan -KMZ (Overview site area)

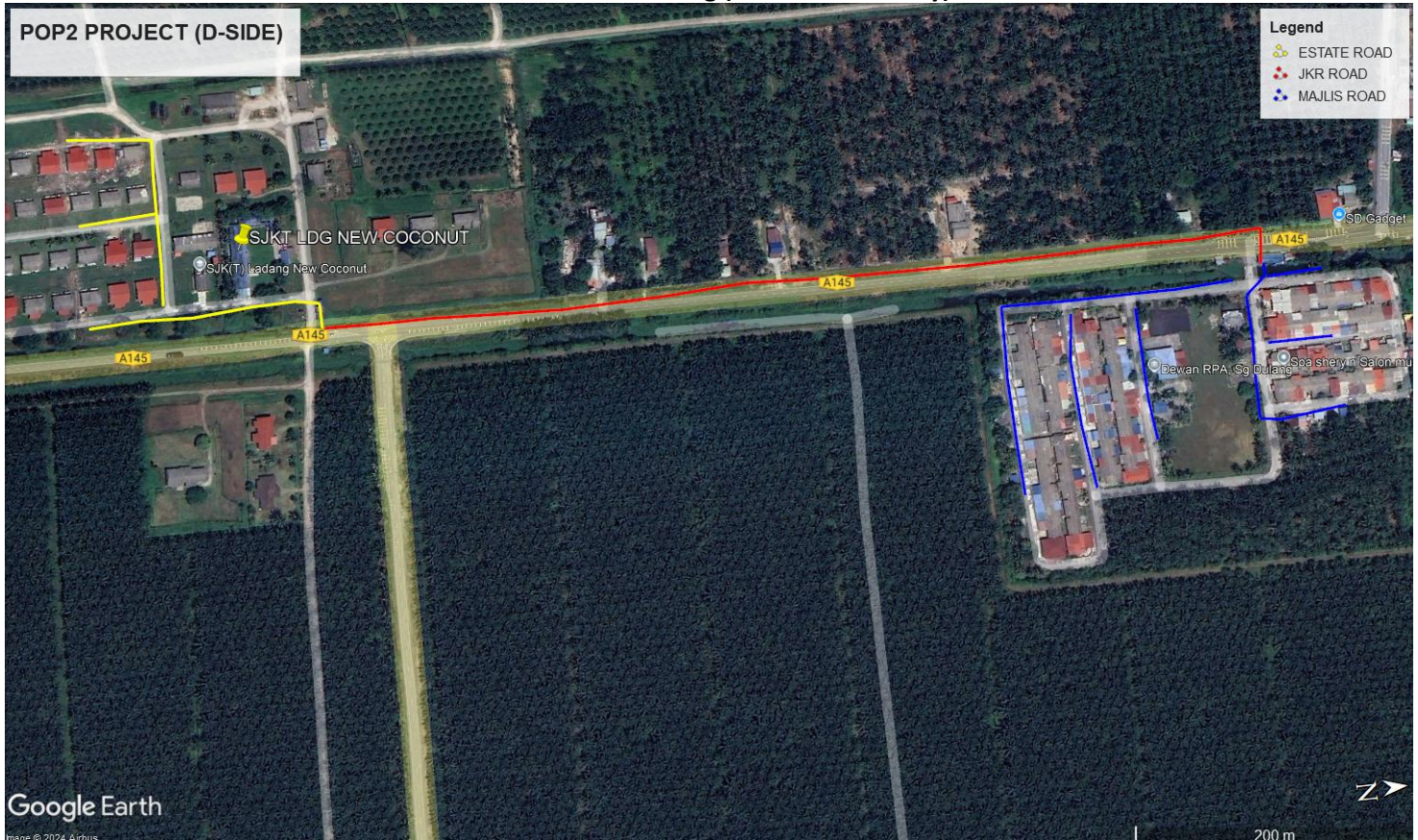
Proposed FDP and Closure



Proposed New Pole



Site Plan - KMZ Routing (All Local Authority)

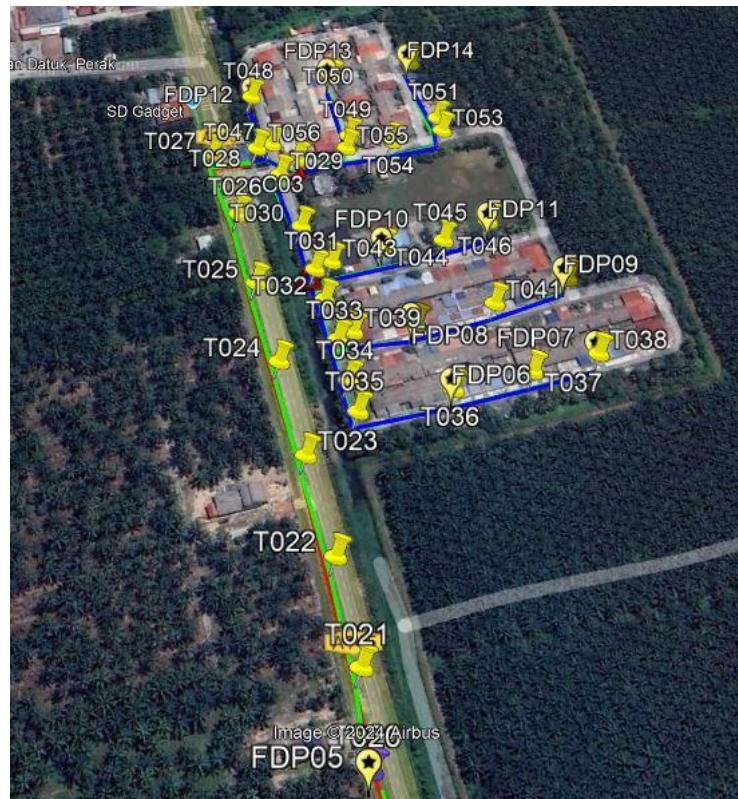


Red Colour – JKR Road

Blue Colour - Majlis Road

Yellow Colour – Estate Road

Route 2



Route 2.1

3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T001	40	3.942321	100.8673409	Sime Darby Plantation
2	T002	40	3.942064	100.8673293	Sime Darby Plantation
3	T003	40	3.941699	100.8673468	Sime Darby Plantation
4	T004	40	3.941329	100.8673365	Sime Darby Plantation
5	T005	40	3.940984	100.8673446	Sime Darby Plantation
6	T006	40	3.941468	100.8672317	Sime Darby Plantation
7	T007	40	3.941485	100.8669812	Sime Darby Plantation
8	T008	40	3.941485	100.8666115	Sime Darby Plantation
9	T009	40	3.94094	100.8666305	Sime Darby Plantation
10	T010	40	3.941501	100.866357	Sime Darby Plantation
11	T011	40	3.941492	100.8661385	Sime Darby Plantation
12	T012	40	3.940934	100.8660428	Sime Darby Plantation
13	T013	40	3.942533	100.8673549	Sime Darby Plantation
14	T014	40	3.942552	100.8675161	JKR Hilir Perak
15	T015	40	3.942903	100.8675378	JKR Hilir Perak
16	T016	40	3.943276	100.8675341	JKR Hilir Perak
17	T017	40	3.943614	100.8675466	JKR Hilir Perak
18	T018	40	3.944121	100.8675693	JKR Hilir Perak
19	T019	40	3.944833	100.8675822	JKR Hilir Perak
20	T020	40	3.945346	100.8674871	JKR Hilir Perak
21	T021	40	3.945795	100.8675701	JKR Hilir Perak
22	T022	40	3.946328	100.867597	JKR Hilir Perak
23	T023	40	3.946865	100.8675946	JKR Hilir Perak
24	T024	40	3.947413	100.8675971	JKR Hilir Perak
25	T025	40	3.947888	100.8675931	JKR Hilir Perak
26	T026	40	3.948347	100.8676049	JKR Hilir Perak

3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
27	T027	40	3.948813	100.8675658	JKR Hilir Perak
28	T028	40	3.948783	100.8678096	Majlis Perbandaran Teluk Intan
29	T029	40	3.948568	100.8678887	Majlis Perbandaran Teluk Intan
30	T030	40	3.948189	100.8679105	Majlis Perbandaran Teluk Intan
31	T031	40	3.9479	100.86791	Majlis Perbandaran Teluk Intan
32	T032	40	3.947706	100.8679114	Majlis Perbandaran Teluk Intan
33	T033	40	3.947455	100.8679114	Majlis Perbandaran Teluk Intan
34	T034	40	3.94721	100.8679015	Majlis Perbandaran Teluk Intan
35	T035	40	3.947024	100.8678974	Majlis Perbandaran Teluk Intan
36	T036	40	3.947014	100.8683805	Majlis Perbandaran Teluk Intan
37	T037	40	3.947018	100.8687961	Majlis Perbandaran Teluk Intan
38	T038	40	3.947032	100.8691496	Majlis Perbandaran Teluk Intan
39	T039	40	3.947478	100.8679968	Majlis Perbandaran Teluk Intan
40	T040	40	3.947436	100.8683145	Majlis Perbandaran Teluk Intan
41	T041	40	3.947451	100.8687409	Majlis Perbandaran Teluk Intan
42	T042	40	3.947496	100.8691526	Majlis Perbandaran Teluk Intan
43	T043	40	3.947928	100.8680048	Majlis Perbandaran Teluk Intan
44	T044	40	3.947957	100.8682947	Majlis Perbandaran Teluk Intan
45	T045	40	3.947918	100.8686148	Majlis Perbandaran Teluk Intan
46	T046	40	3.947972	100.8688797	Majlis Perbandaran Teluk Intan
47	T047	40	3.948791	100.8678941	Majlis Perbandaran Teluk Intan
48	T048	40	3.949167	100.8678674	Majlis Perbandaran Teluk Intan
49	T049	40	3.94875	100.8683246	Majlis Perbandaran Teluk Intan
50	T050	40	3.949186	100.8683394	Majlis Perbandaran Teluk Intan
51	T051	40	3.948744	100.8688369	Majlis Perbandaran Teluk Intan
52	T052	40	3.949173	100.8688084	Majlis Perbandaran Teluk Intan
53	T053	40	3.948652	100.8688377	Majlis Perbandaran Teluk Intan



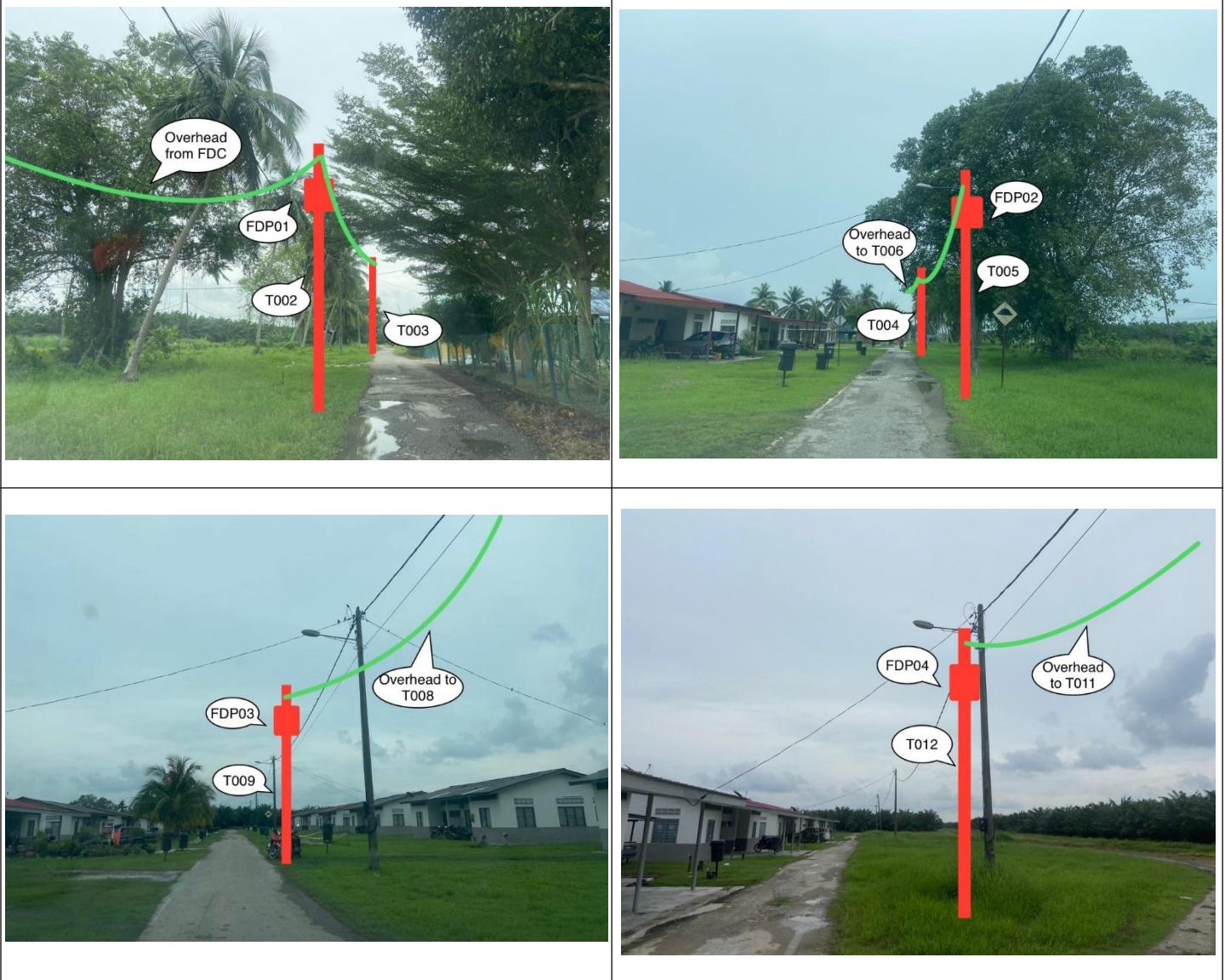
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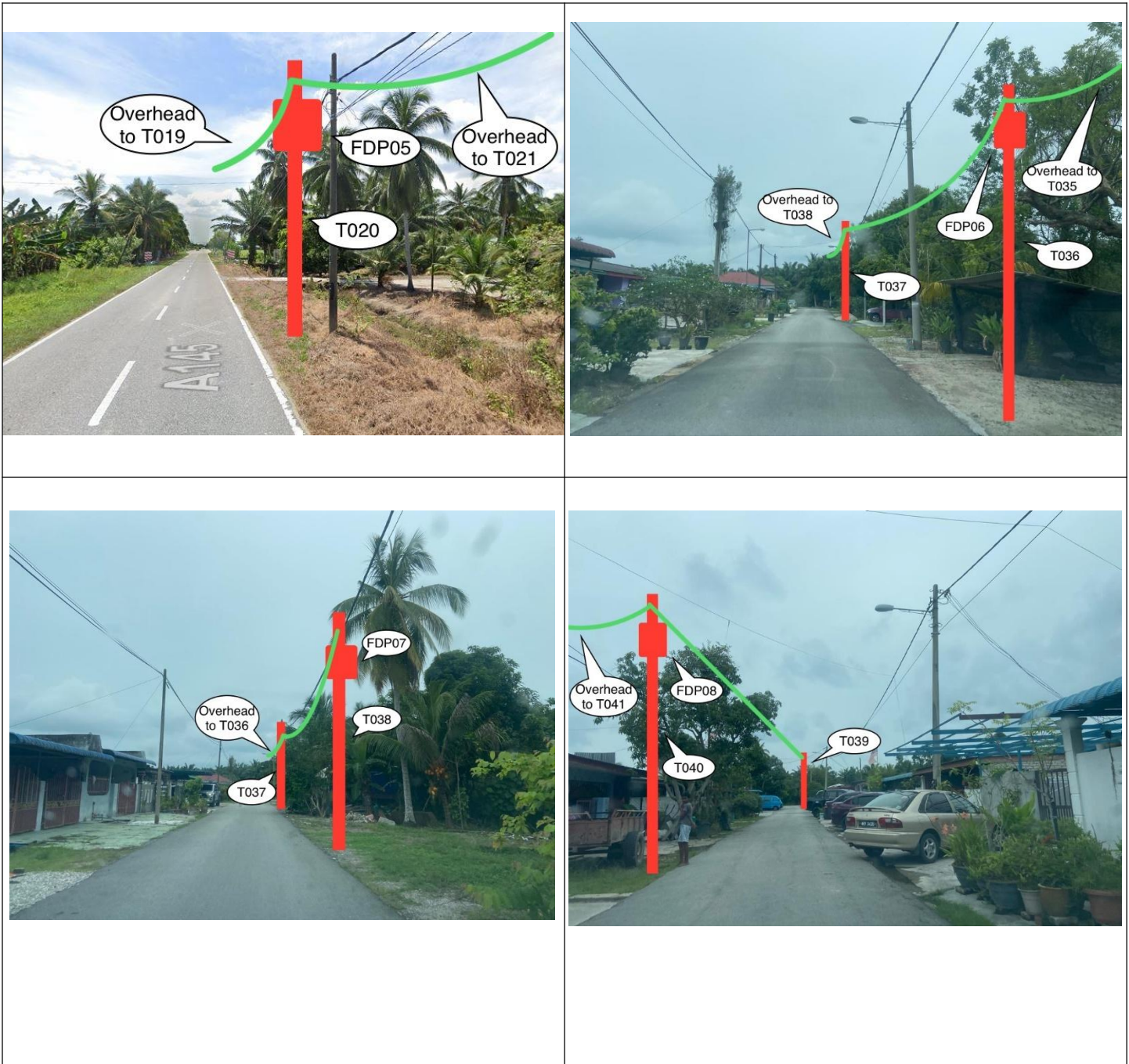
3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
54	T054	40	3.948651	100.8685445	Majlis Perbandaran Teluk Intan
55	T055	40	3.948668	100.8682885	Majlis Perbandaran Teluk Intan
56	T056	40	3.948649	100.8680054	Majlis Perbandaran Teluk Intan

4.0 SITE PHOTOS - PROPOSED NEW POLE



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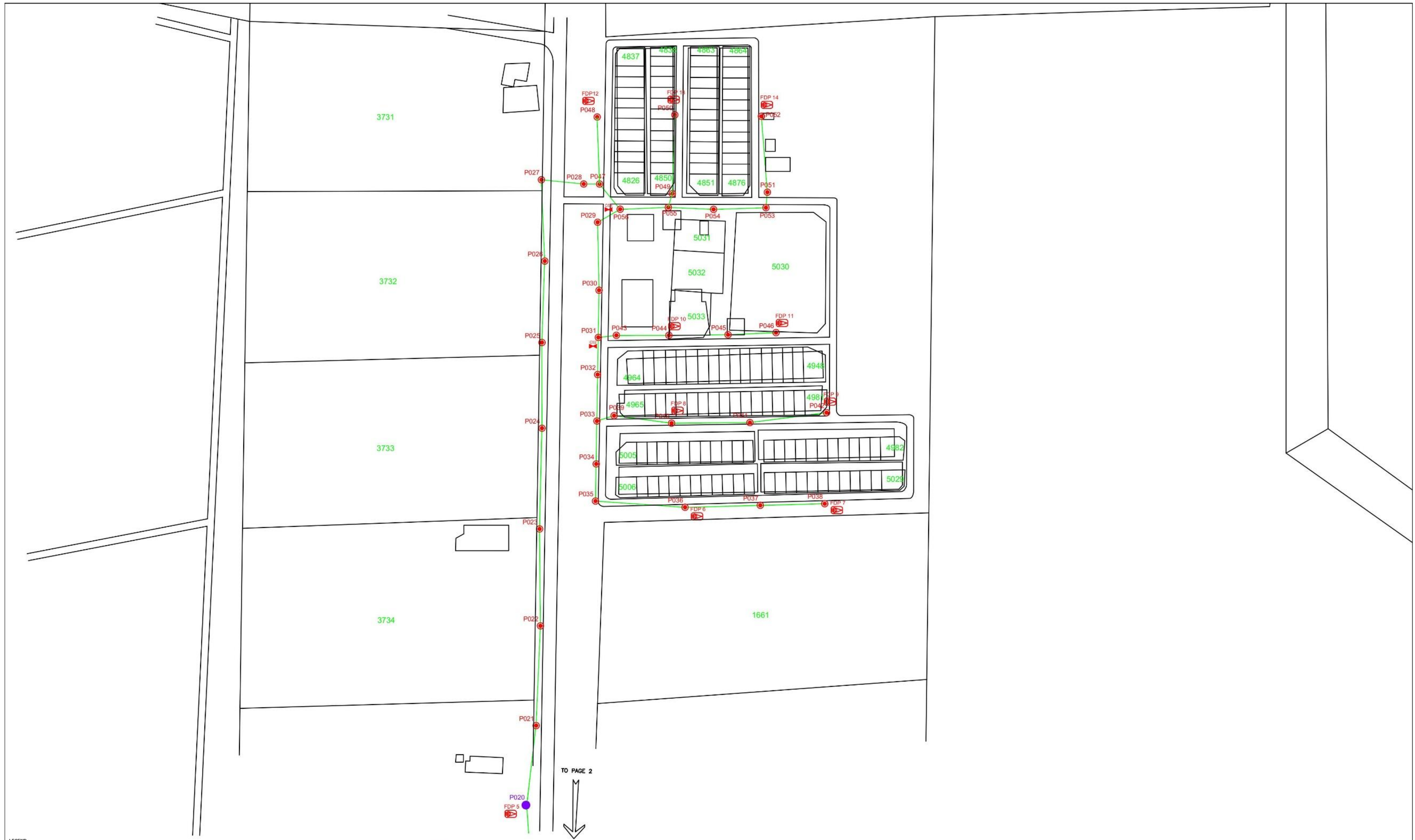


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5.0 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Perbandaran Teluk Intan	570M
2	JKR Hilir Perak	1,100M
3	Sime Darby Plantation	450M



LEGEND

12C FOC	Installed 1:4 splitter in FDC	INSTALLED POLE (9M)	NEW MANHOLE	TENSION SMALL / TENSION BIG	MH#	MH NO.
24C FOC	FDP	INSTALLED RISER	HOUSE NUMBER	EXISTING MANHOLE	TKS-1	EXISTING TNB POLE NO.
48C FOC	CLOSURE	SUSPENSION BIG	EXISTING ALLO POLE	CS1	CLOSURE NO.	NEW POLE NO.
90C FOC	NEW MANHOLE (PIT)	SUSPENSION SMALL	LOOP	FDP1	FDP NO.	
144C FOC	INSTALLED POLE	FDC	FDP BOUNDARY	FDC	FDC NO.	

KEY PLAN

PROJECT OWNER

MAIN CONTRACTOR

SUB-CONTRACTOR

KNZ ENGINEERING SDN BHD
 NO. 60 & 60A, Jalan Klebang Indah 1, Medan Klebang Indah, 30100 Ipoh, Perak
 No Tel: 019-3695071
 Email: admin@knzengineering.com.my
 Website: www.knzengineering.com.my

PROJECT TITLE

SJKT LADANG NEW COCONUT

DRAWING TITLE

TP DRAWING POP 2 AT SEKOLAH JENIS KEBANGSAAN TAMIL LADANG NEW COCONUT

PROJECT PHASE

PROJECT PHASE 2

DESIGN BY	NABIL	DATE	28/11/2024
DRAWN BY	NABIL	SCALE	NOT TO SCALE
CHECKED BY	AZHAN HARIS	JOB NUMBER	ABDB012
DRAWING NUMBER	ABDB012		1/3
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LEGEND		NEW MANHOLE		TENSION SMALL / TENSION BIG		MH	
12C FOC	Installed 1:4 splitter in FDC	INSTALLED POLE (9M)	NEW MANHOLE	TS / TB	TENSION SMALL / TENSION BIG	MH	MH NO.
24C FOC	FDP	INSTALLED RISER	HOUSE NUMBER		EXISTING MANHOLE	TKS-1	EXISTING TNB POLE NO.
48C FOC	CLOSURE	SUSPENSION BIG	EXISTING ALLO POLE	GR1	CLOSURE NO.	P001	NEW POLE NO.
90C FOC	NEW MANHOLE (PIT)	SUSPENSION SMALL	LOOP	FDP1	FDP NO.		
144C FOC	INSTALLED POLE	FDC	FDP BOUNDARY	FDC	FDC NO.		

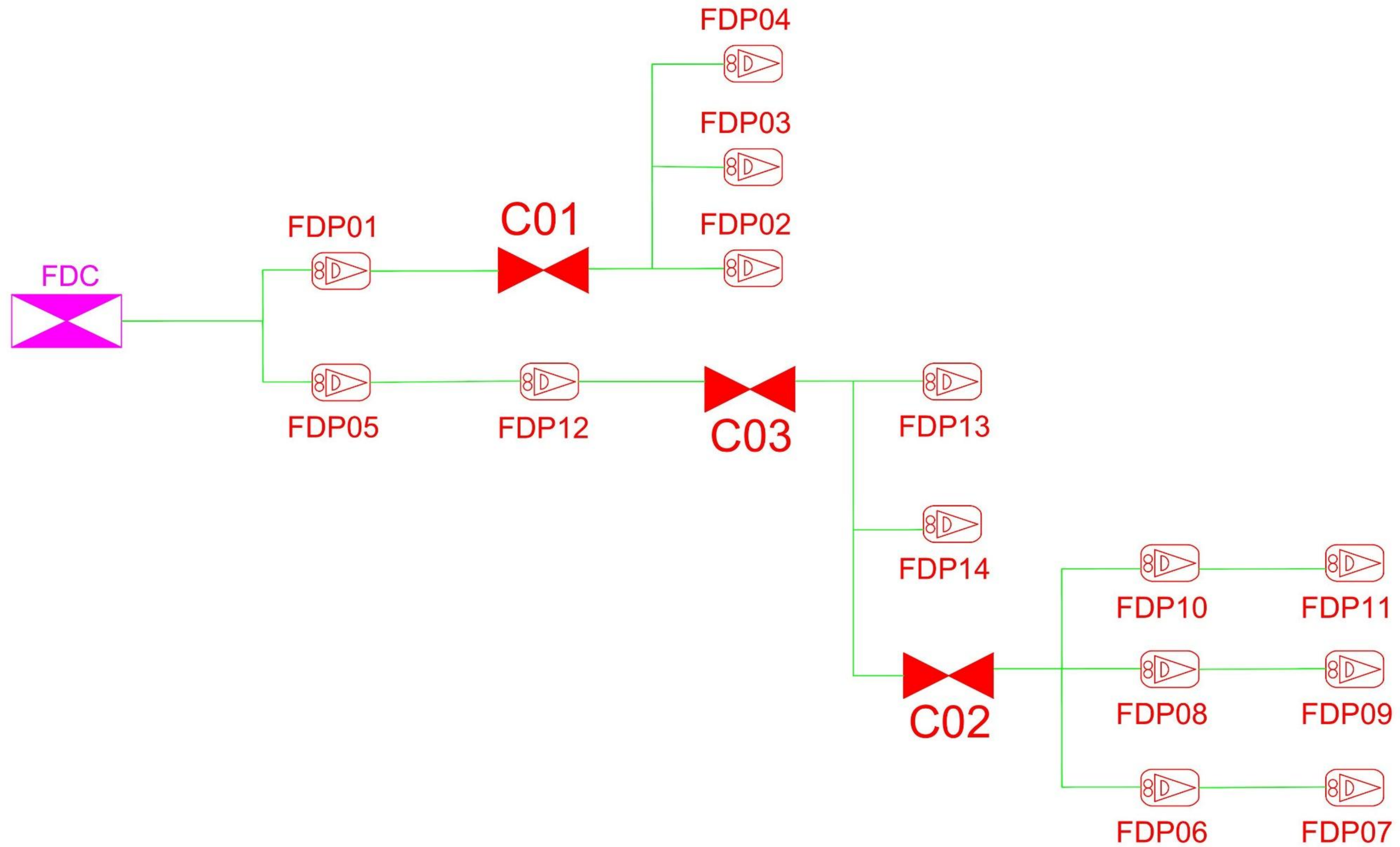
KEY PLAN	PROJECT OWNER 	MAIN CONTRACTOR 	SUB-CONTRACTOR KNZ ENGINEERING SDN BHD NO. 60 & 60A, Jalan Klebang Indah 1, Medan Klebang Indah, 30100 Ipoh, Perak No Tel: 019-3695071 Email: admin@knzengineering.com.my Website: www.knzengineering.com.my	PROJECT TITLE SJKT LADANG NEW COCONUT	DRAWING TITLE TP DRAWING POP 2 AT SEKOLAH JENIS KEBANGSAAN TAMIL LADANG NEW COCONUT	DESIGN BY NABIL	DATE 28/11/2024
					PROJECT PHASE PROJECT PHASE 2	DRAWN BY NABIL	SCALE NOT TO SCALE
						CHECKED BY AZHAN HARIS	JOB NUMBER ABDB012
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LEGEND

12C FOC	Installed 1:4 splitter in FDC	INSTALLED POLE (9M)	NEW MANHOLE	TENSION SMALL / TENSION BIG	MH1	MH NO.
24C FOC	FDP	INSTALLED RISER	HOUSE NUMBER	EXISTING MANHOLE	TKS-1	EXISTING TNB POLE NO.
48C FOC	CLOSURE	SUSPENSION BIG	EXISTING ALLO POLE	CB1	CLOSURE NO.	P001
90C FOC	NEW MANHOLE (PIT)	SUSPENSION SMALL	LOOP	FDP1	FDP NO.	NEW POLE NO.
144C FOC	INSTALLED POLE	FDC	FDP BOUNDARY	FDC	FDC NO.	

KEY PLAN	PROJECT OWNER 	MAIN CONTRACTOR 	SUB-CONTRACTOR KNZ ENGINEERING SDN BHD NO. 60 & 60A, Jalan Klebang Indah 1, Medan Klebang Indah, 30100 Ipoh, Perak No Tel: 019-3695071 Email: admin@knzengineering.com.my Website: www.knzengineering.com.my	PROJECT TITLE SJKT LADANG NEW COCONUT	DRAWING TITLE TP DRAWING POP 2 AT SEKOLAH JENIS KEBANGSAAN TAMIL LADANG NEW COCONUT	DESIGN BY NABIL	DATE 28/11/2024
					PROJECT PHASE PROJECT PHASE 2	DRAWN BY NABIL	SCALE NOT TO SCALE
						CHECKED BY AZHAN HARIS	JOB NUMBER ABDB012
						DRAWING NUMBER ABDB012	3/3
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LEGEND						
12C FDC	Installed 1:4 splitter in FDC	INSTALLED POLE (9M)	NEW MANHOLE	TE/SB TENSION SMALL / TENSION BIG	MH1	MH NO.
24C FDC	FDP	INSTALLED RISER	HOUSE NUMBER	EXISTING MANHOLE	TKG-1	EXISTING TMB POLE NO.
48C FDC	CLOSURE	SUSPENSION BIG	EXISTING ALLO POLE	CLOSURE NO.	P001	NEW POLE NO.
90C FDC	NEW MANHOLE (PIT)	SUSPENSION SMALL	LOOP	FDP1	FDP NO.	
144C FDC	INSTALLED POLE	FDC	FDP BOUNDARY	FDC	FDC NO.	

KEY PLAN	PROJECT OWNER 	MAIN CONTRACTOR 	SUB-CONTRACTOR 	PROJECT TITLE SJKT LADANG NEW COCONUT	DRAWING TITLE SLD DRAWING POP 2 AT SEKOLAH JENIS KEBANGSAAN TAMIL LADANG NEW COCONUT	DESIGN BY NABIL	DATE 28/11/2024
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