



PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENSE (POP) FASA 2: HUB 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))



TECHNICAL PROPOSAL

POP2 ABD8452 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH (D-SIDE)

Company Name	:	WCWL COMMUNICATIONS SDN BHD
Company Address	:	127, Jalan PUJ 3/3, Taman Puncak Jalil 43300 Subang Jaya Selangor
Prepared By	:	HANA
Date	:	18/12/2024



POINT A

POINT B

Starting Point

Site / Boundary Name	:	SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH
Address	:	Ladang Serapoh, Kampung Serapoh
District	:	Parit
Postcode	:	32810
State	:	Perak
GPS Coordinate	:	4.521944, 100.8908333
LRD	:	A

End Point

Site / Boundary Name	:	SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH
Address	:	Jalan Si Puteh – Batu Hampar
District	:	Parit
Postcode	:	32810
State	:	Perak
GPS Coordinate	:	4.5197222, 100.899444
	:	B



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Work Summary

No	Proposed Distance and Method	Unit	Qty
1	Horizontal Directional Drilling (HDD)	m	65
2	Carriage Way Open trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro trenching (MT)	m	0
	Total		0

	Other Information	Unit	Qty
1	Proposed Manhole	EA	2
2	Proposed Pole	EA	42
3	Joint Closure	EA	1
4	Estimated time required for completion	days	30



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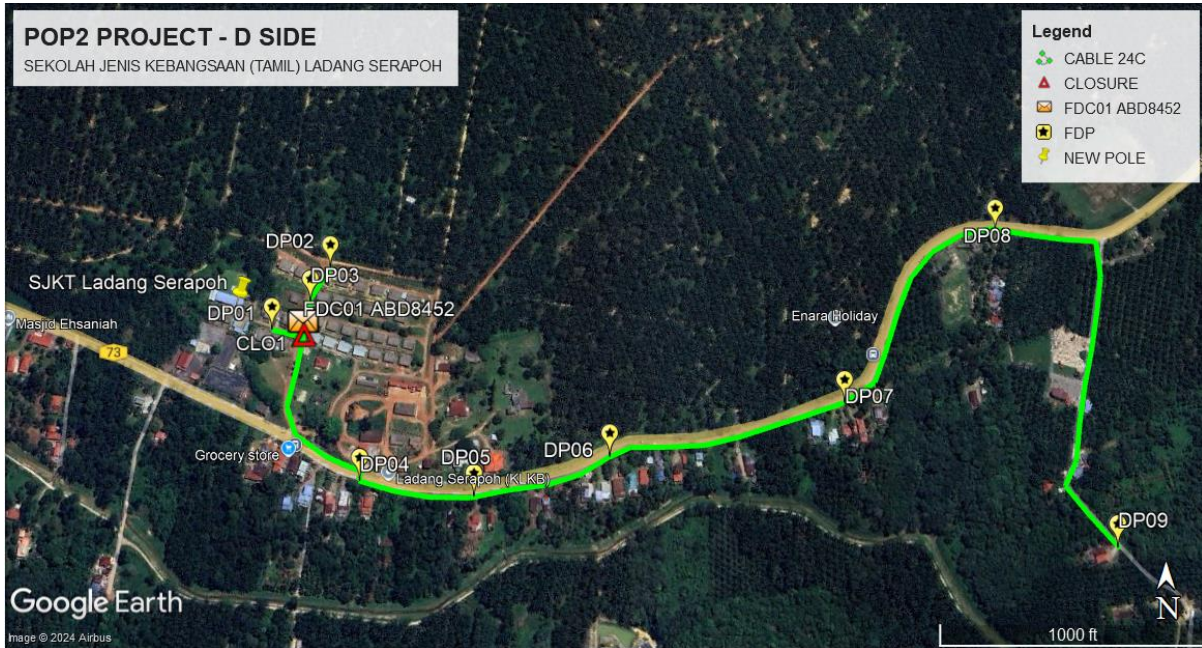
Local Authority Summary

1. Daerah Kampar

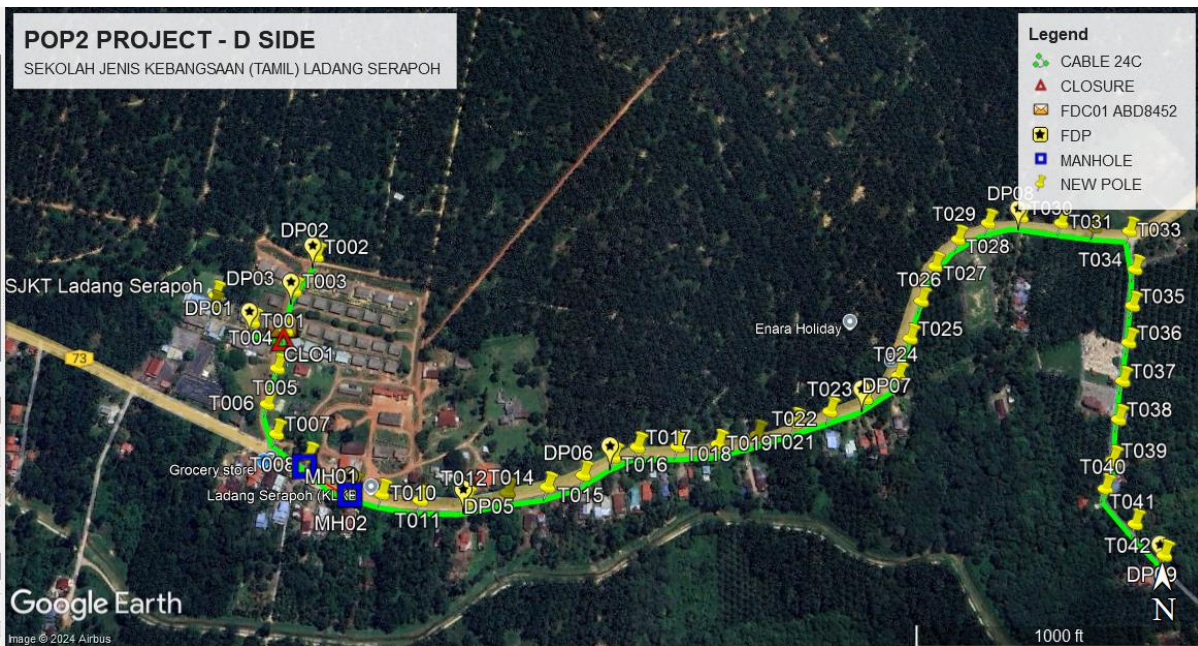
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	1	65m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	28 pcs	1305m
		Majlis	-	-
		Estate / Private Land	14 pcs	630m
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				2000m

Site Plan – KMZ (Overview site area)

Proposed FDP and Closure



Proposed New Pole

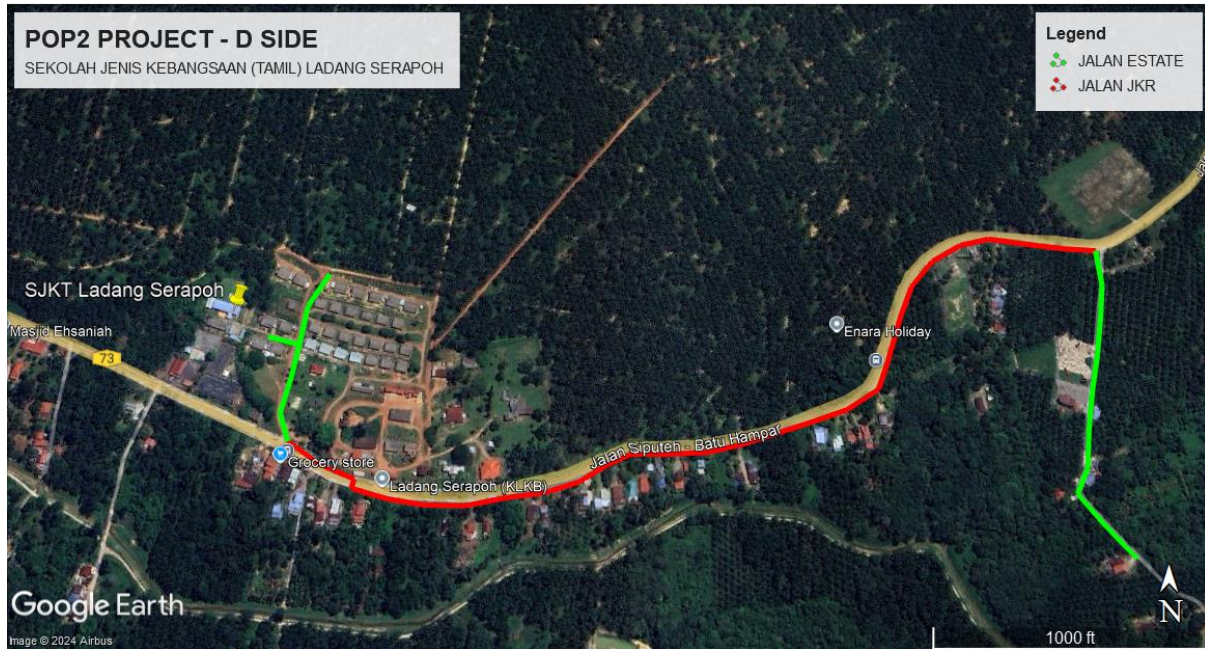




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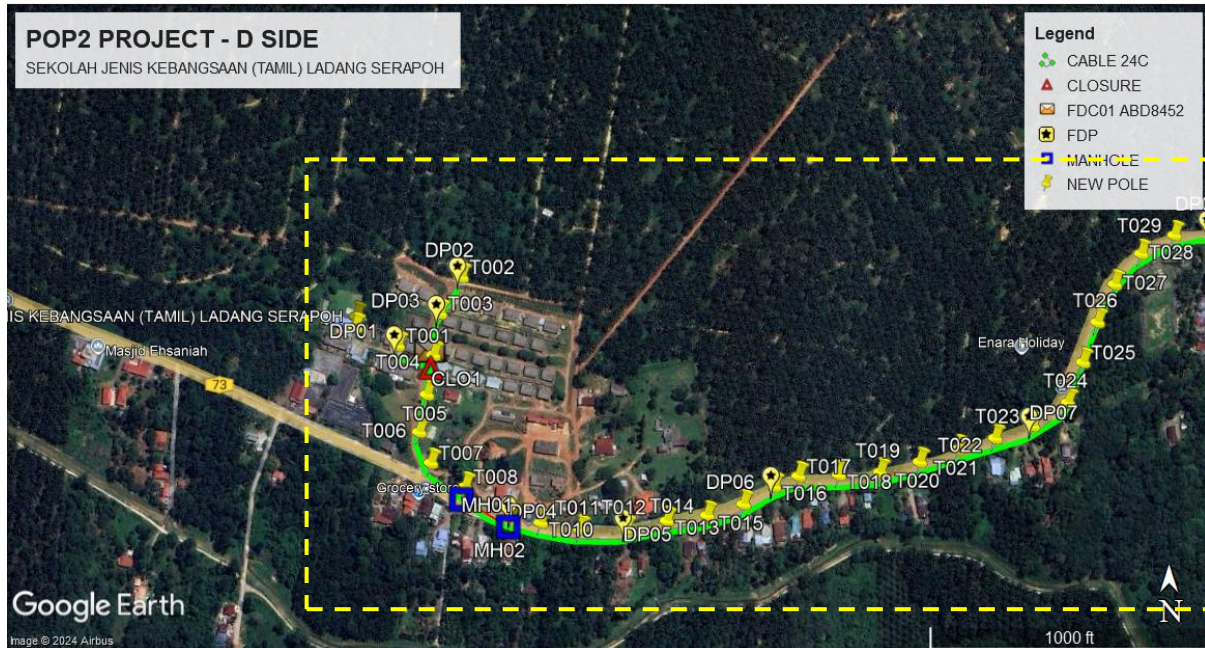
Site Plan – KMZ Routing (All Local Authority)



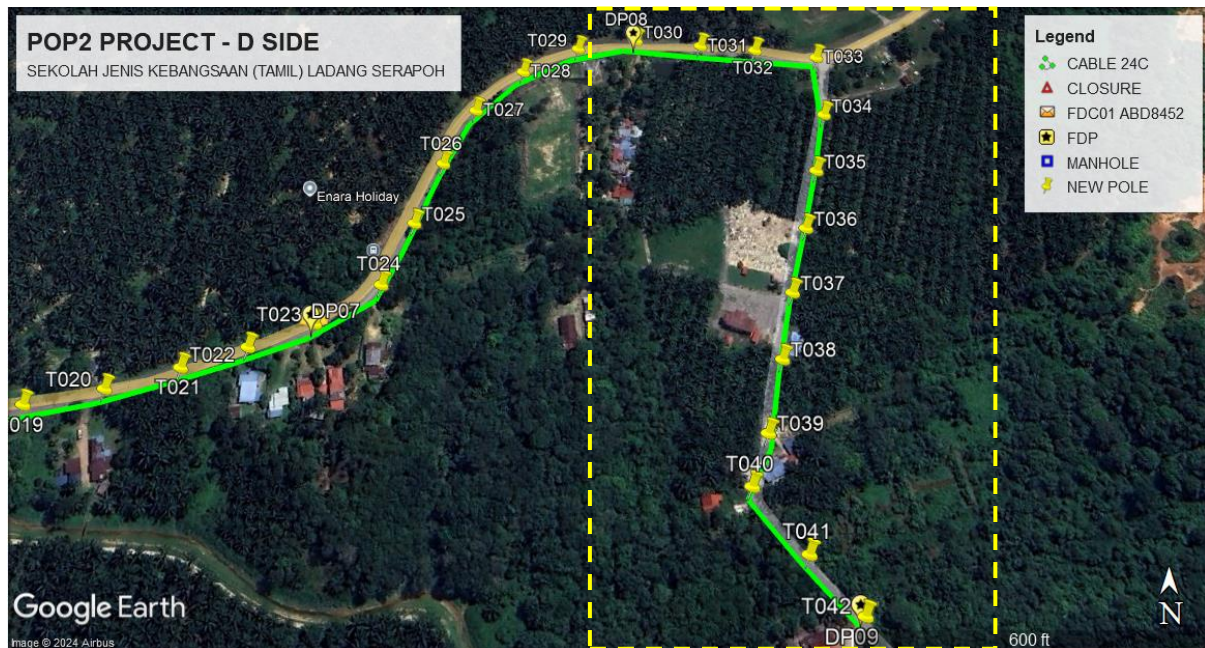
Red Colour – JKR Perak

Green Colour – Estate/Private Land

Route 1



Route 2





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Site Plan – KMZ Routing (Prop New Manhole)

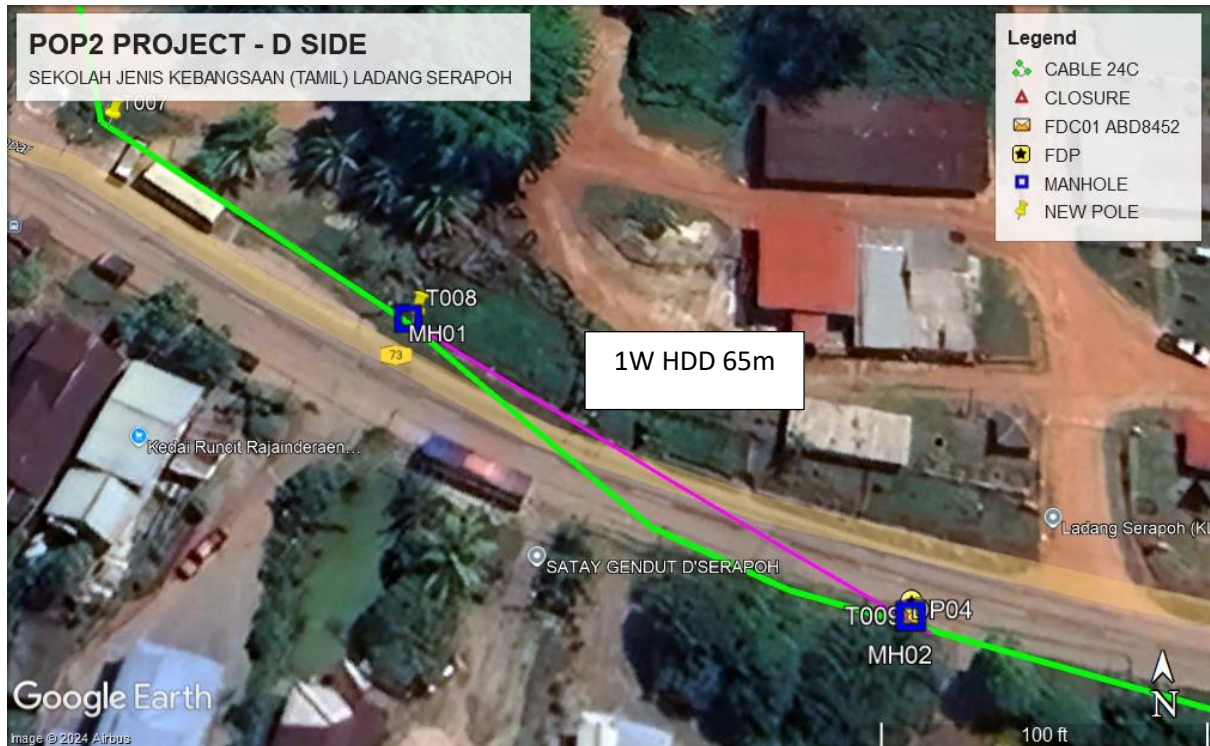


Figure 1: Location 1 (MH1- 4.520703, 100.891079) (MH2- 4.520427, 100.891536)



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Proposed New Pole Lat & Long Table

No.	Pole Number	Distance	Latitude	Longitude	Local Authority
1	FDC01 AE9001	0.00	4.521977	100.890771	Ladang / Private estate
2	T001	45	4.522082	100.890421	Ladang / Private estate
3	T002	45	4.522744	100.891060	Ladang / Private estate
4	T003	45	4.522393	100.890843	Ladang / Private estate
5	T004	45	4.521989	100.890773	Ladang / Private estate
6	T005	45	4.521603	100.890706	Ladang / Private estate
7	T006	45	4.521237	100.890630	Ladang / Private estate
8	T007	45	4.520938	100.890747	JKR Perak
9	T008	45	4.520707	100.891083	JKR Perak
11	T009	45	4.520457	100.891432	JKR Perak
12	T010	45	4.520349	100.891821	JKR Perak
13	T011	45	4.520285	100.892207	JKR Perak
14	T012	45	4.520286	100.892659	JKR Perak
15	T013	45	4.520364	100.893061	JKR Perak
16	T014	45	4.520418	100.893457	JKR Perak
17	T015	45	4.520531	100.893812	JKR Perak
18	T016	45	4.520707	100.894111	JKR Perak
19	T017	45	4.520808	100.894351	JKR Perak
20	T018	45	4.520815	100.894753	JKR Perak
21	T019	45	4.520839	100.895161	JKR Perak
22	T020	45	4.520938	100.895560	JKR Perak
23	T021	45	4.521062	100.895944	JKR Perak
24	T022	45	4.521172	100.896298	JKR Perak
25	T023	45	4.521295	100.896654	JKR Perak
26	T024	45	4.521525	100.896998	JKR Perak
27	T025	45	4.521917	100.897150	JKR Perak
28	T026	45	4.522309	100.897290	JKR Perak
29	T027	45	4.522680	100.897461	JKR Perak
30	T028	45	4.522980	100.897732	JKR Perak
31	T029	45	4.523163	100.898065	JKR Perak
32	T030	45	4.523228	100.898423	JKR Perak
33	T031	45	4.523151	100.898816	JKR Perak
34	T032	45	4.523093	100.899144	JKR Perak
35	T033	45	4.523059	100.899519	JKR Perak



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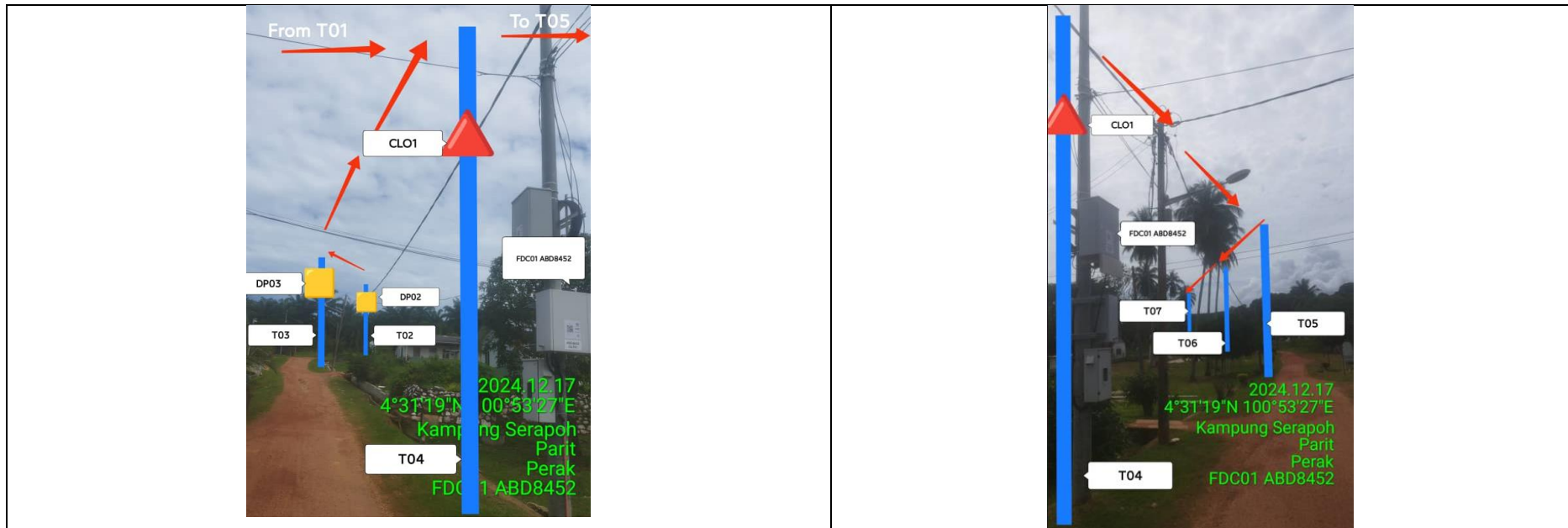
36	T034	45	4.522650	100.899535	Ladang / Private estate
37	T035	45	4.522257	100.899457	Ladang / Private estate
38	T036	45	4.521866	100.899363	Ladang / Private estate
39	T037	45	4.521472	100.899262	Ladang / Private estate
40	T038	45	4.521087	100.899184	Ladang / Private estate
41	T039	45	4.520677	100.899085	Ladang / Private estate
42	T040	45	4.520400	100.898988	Ladang / Private estate
43	T041	45	4.520062	100.899261	Ladang / Private estate
44	T042	45	4.519761	100.899514	Ladang / Private estate



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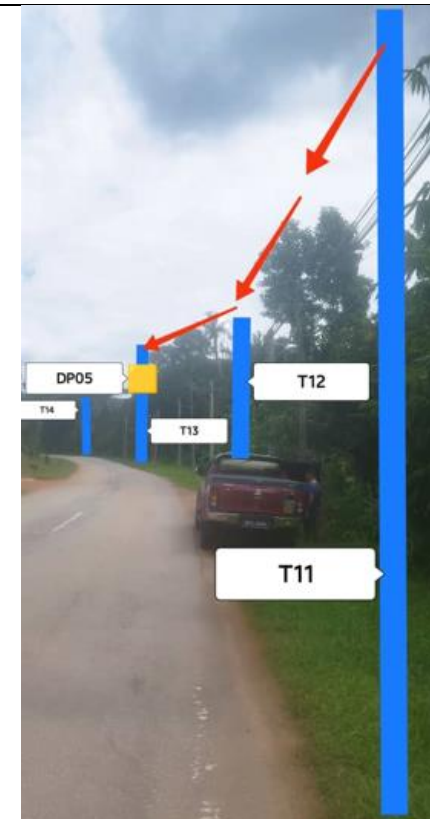
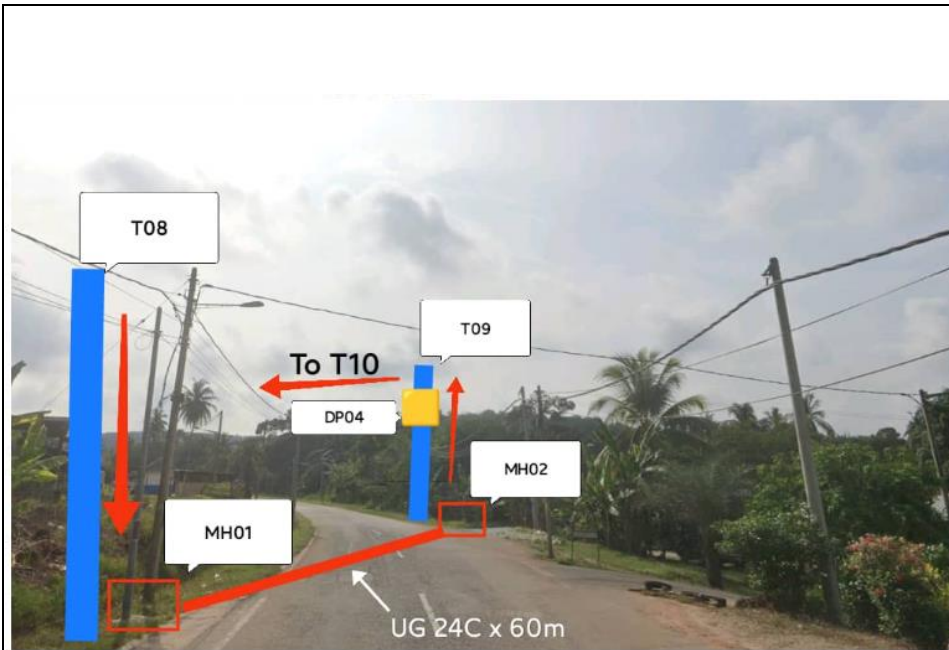


Site Photos – Proposed to install pole 7.5m



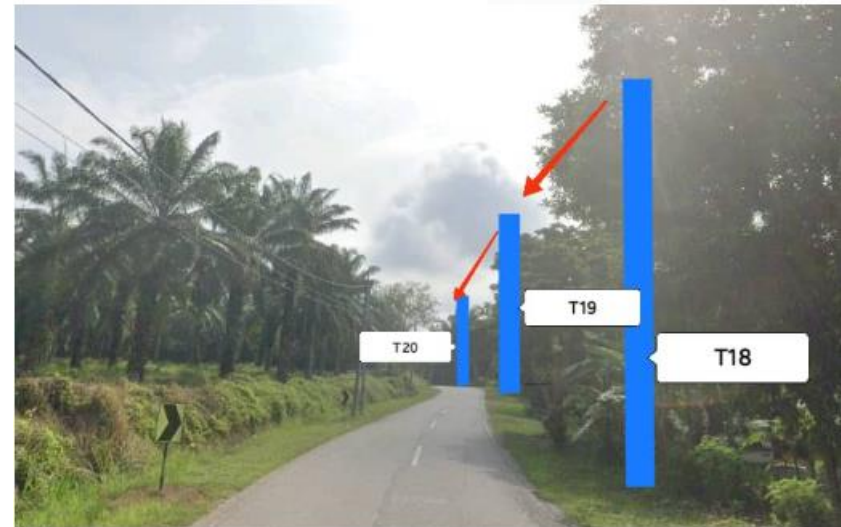
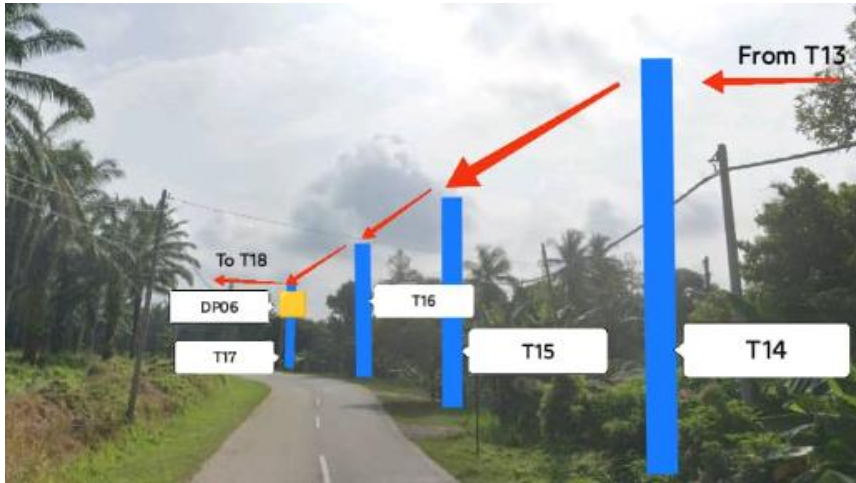


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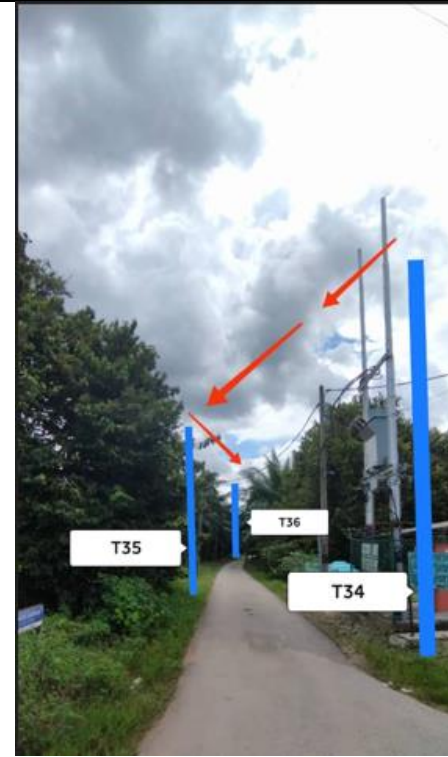


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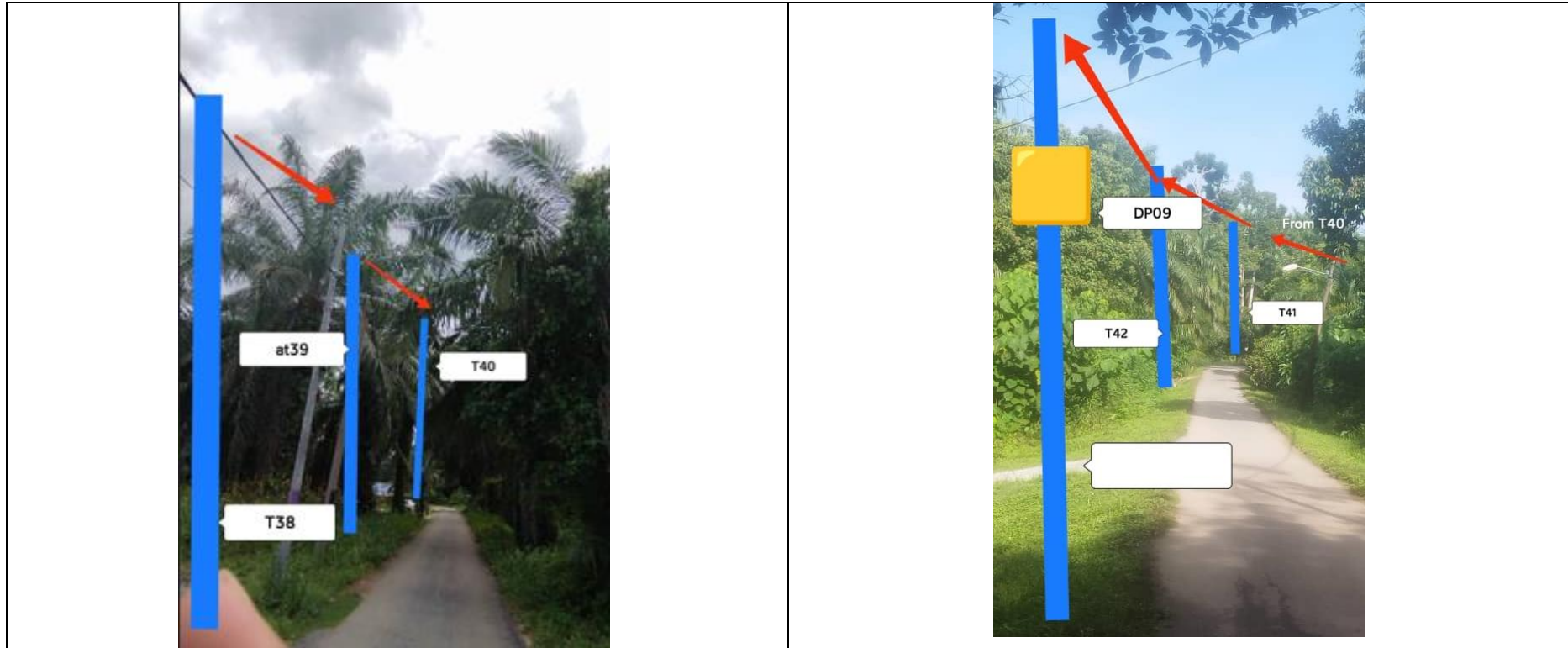


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3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	JKR Perak	
2	Ladang / Private estate	
3		
4		
5		
6		



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	
	12C FOC	Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-Trenching (Meter)
	24C FOC	2797 Installed Patch Cord		Installed Pole (7.5M)	90	Tension		New Manhole(JRC7)		Temporary Infra (Meter)
	48C FOC		1 FDC		Installed Pole (6.7M)		Pole Ring			Loop / Coil (Meter)
	96C FOC		4 Closure		Existing TNB Pole		FDP with (1:8) splitter	17		HDD (Meter)
	144C FOC		Existing Closure		Installed Riser		Existing Manhole			Open Cut (Meter)
										FDP Boundary
										Active Outdoor Cabinet
										FDC NO.
										MH1 MH NO.
										TKS-1 Existing TNB Pole NO.
										P001 New Pole NO.
										CL01 Closure NO.
										DP1 FDP NO.

ACTUAL HOMEPASS :

KEY PLAN : POP2 PROJECT IN PERAK	OWNER/DEVELOPOR : APEX COMMUNICATIONS SDN BHD 12th FLOOR, MENARA HAP SENG, 50250 JALAN P. RAMLEE KUALA LUMPUR	MAIN CONTRACTOR : WCWL COMMUNICATIONS SDN BHD 127, JALAN PUJI 3/3, TAMAN PUNCAK JALIL, BANDAR PUTRA PERMAI, 43300 SERI KEMBANGAN, SELANGOR TEL: +603 6888 5983 E-MAIL: info@wcwcommunications.com.my WEBSITE: https://wcwl.com.my	PROJECT TITLE : CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT	DRAWING TITLE: AS - BUILT DRAWING SITE PLAN DRAWING ABD8452 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH	Design By : ENGINEER	Date : DEC 2024
					Drawn By : ENGINEER	Scale : NOT TO SCALE
				PROJECT PHASE: POP 2	Checked By : ENGINEER	Job Number :
					DRAWING NUMBER : ABD8452 - ABD - 01	Sheet : 3/3
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LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	UB30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	2797	Installed Patch Cord	Installed Pole (7.5M)	Tension	C7	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC		FDC	Installed Pole (6.7M)	Pole Ring		FDP Boundary	Loop / Coil (Meter)	P001	New Pole NO.
96C FOC		Closure	Existing TNB Pole	FDP with (1:8) splitter	17	HDD (Meter)	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC		Existing Closure	Installed Riser	Existing Manhole		Open Cut (Meter)	FDC NO.	DP1	FDP NO.

KEY PLAN :	OWNER/DEVELOPOR :	MAIN CONTRACTOR :	PROJECT TITLE :	DRAWING TITLE:	Design By : ENGINEER	Date : DEC 2024
POP2 PROJECT IN PERAK			CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT	AS - BUILT DRAWING SITE PLAN DRAWING ABD8452 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH	Drawn By : ENGINEER	Scale : NOT TO SCALE
	APEX COMMUNICATIONS SDN BHD 12th FLOOR, MENARA HAP SENG, 50250 JALAN P. RAMLEE KUALA LUMPUR	WCWL COMMUNICATIONS SDN BHD 127, JALAN PUTI 3/3, TAMAN PUNCAK JALIL, BANDAR PUTRA PERMAI, 43500 SERI KEMBANGAN, SELANGOR TEL: +603 5888 5983 E-MAIL: info@wcwcommunications.com.my WEBSITE: https://wcwl.com.my		PROJECT PHASE: POP 2	Checked By : ENGINEER	Job Number :
					DRAWING NUMBER : ABD8452 - ABD - 01A	Sheet : 3/3
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ACTUAL HOMEPASS :



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	UB30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	2797	Installed Patch Cord	Installed Pole (7.5M)	90	Tension	C7	New Manhole(JRC7)	TKS-1	Existing TNB Pole NO.
48C FOC		FDC	Installed Pole (6.7M)	1	Pole Ring		FDP Boundary	P001	New Pole NO.
96C FOC		Closure	Existing TNB Pole	4	FDP with (1:8) splitter	17	HDD (Meter)	CL01	Closure NO.
144C FOC		Existing Closure	Installed Riser		Existing Manhole		Open Cut (Meter)	DP1	FDP NO.
							Loop / Coil (Meter)		
							Active Outdoor Cabinet		
							FDC NO.		

<p>KEY PLAN :</p> <p>POP2 PROJECT IN PERAK</p>	<p>OWNER/DEVELOPOR :</p>  <p>APEX COMMUNICATIONS SDN BHD 12th FLOOR, MENARA HAP SENG, 50250 JALAN P. RAMLEE KUALA LUMPUR</p>	<p>MAIN CONTRACTOR :</p>  <p>WCWL COMMUNICATIONS SDN BHD 127, JALAN PUJI 3/3, TAMAN PUNCAK JALIL, BANDAR PUTRA PERMAI, 43500 SERI KEMBANGAN, SELANGOR TEL: +603 5888 5983 E-MAIL: info@wcwcommunications.com.my WEBSITE: https://wcwl.com.my</p>	<p>PROJECT TITLE :</p> <p>CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT</p>	<p>DRAWING TITLE:</p> <p>AS - BUILT DRAWING SITE PLAN DRAWING ABD8452 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH</p> <p>PROJECT PHASE: POP 2</p>	<p>Design By : ENGINEER</p> <p>Drawn By : ENGINEER</p> <p>Checked By : ENGINEER</p> <p>DRAWING NUMBER : ABD8452 - ABD - 01B</p> <p>THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF APEX COMMUNICATIONS SDN BHD</p>	<p>Date : DEC 2024</p> <p>Scale : NOT TO SCALE</p> <p>Job Number :</p> <p>Sheet : 3/3</p> <p>Size : A3</p>
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ACTUAL HOMEPASS :