



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 ABD8453 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG BULOH AKAR (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	:	19/12/2024



POINT A

POINT B

Starting Point

Site / Boundary Name	:	SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH
Address	:	Jalan Parit
District	:	Parit
Postcode	:	32800
State	:	Perak
GPS Coordinate	:	4.523056, 100.874722
LRD	:	A

End Point

Site / Boundary Name	:	SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG SERAPOH
Address	:	Jalan Si Puteh – Batu Hampar
District	:	Kampung Serapoh, Parit
Postcode	:	32800
State	:	Perak
GPS Coordinate	:	4.521944, 100.888056
	:	B



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Work Summary

No	Proposed Distance and Method	Unit	Qty
1	Horizontal Directional Drilling (HDD)	m	63
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	51
3	Joint Closure	EA	1
4	Estimated time required for completion	days	30



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Local Authority Summary

1. Daerah Kampar

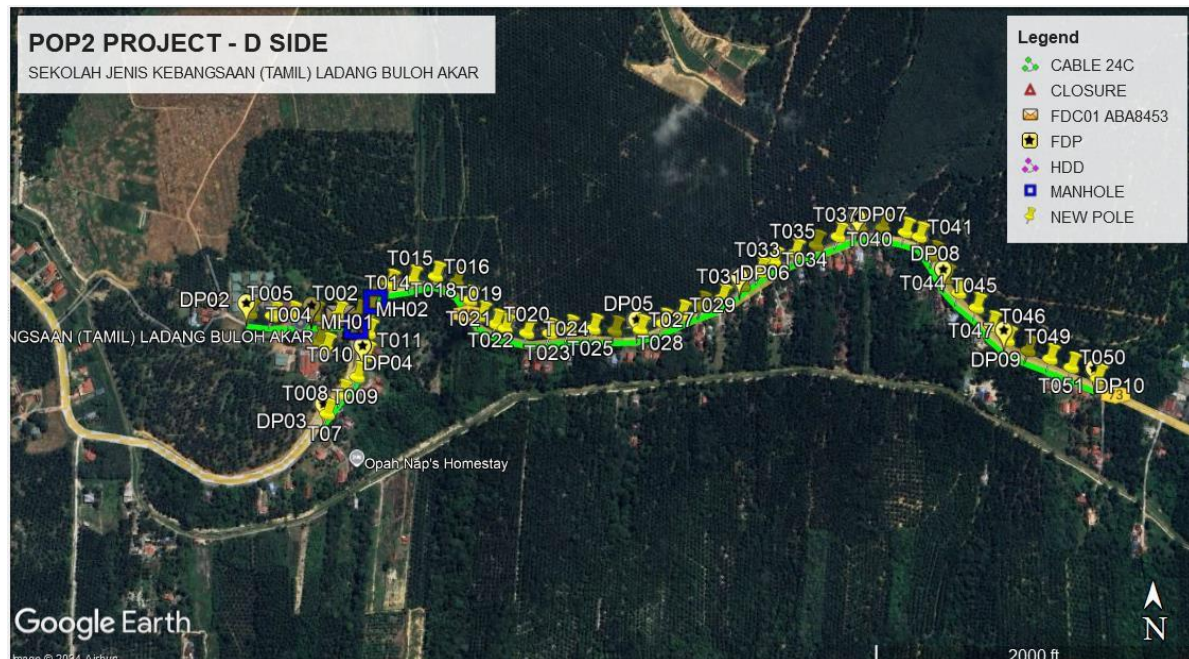
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	1	63m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	46 pcs	2070m
		Majlis	-	-
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				2358m

Site Plan – KMZ (Overview site area)

Proposed FDP and Closure



Proposed New Pole

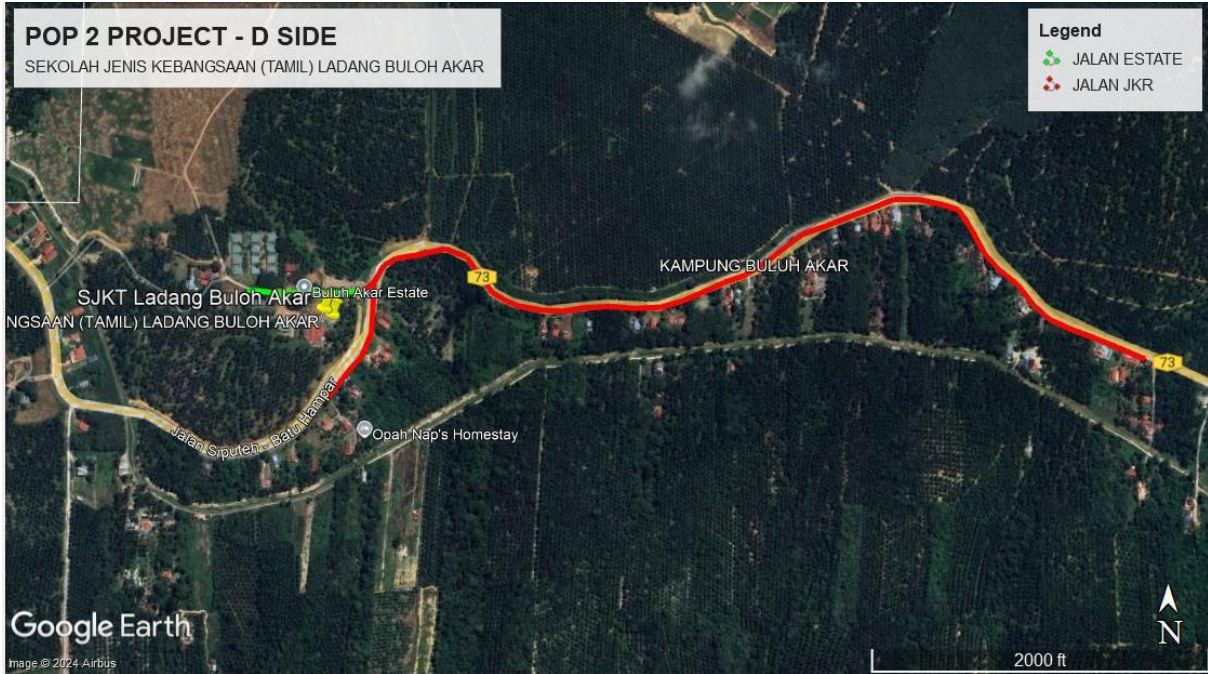




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Site Plan – KMZ Routing (All Local Authority)



Red Colour – JKR Perak

Green Colour – Estate/Private Land

Route 1



Route 2





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Site Plan – KMZ Routing (Prop New Manhole)

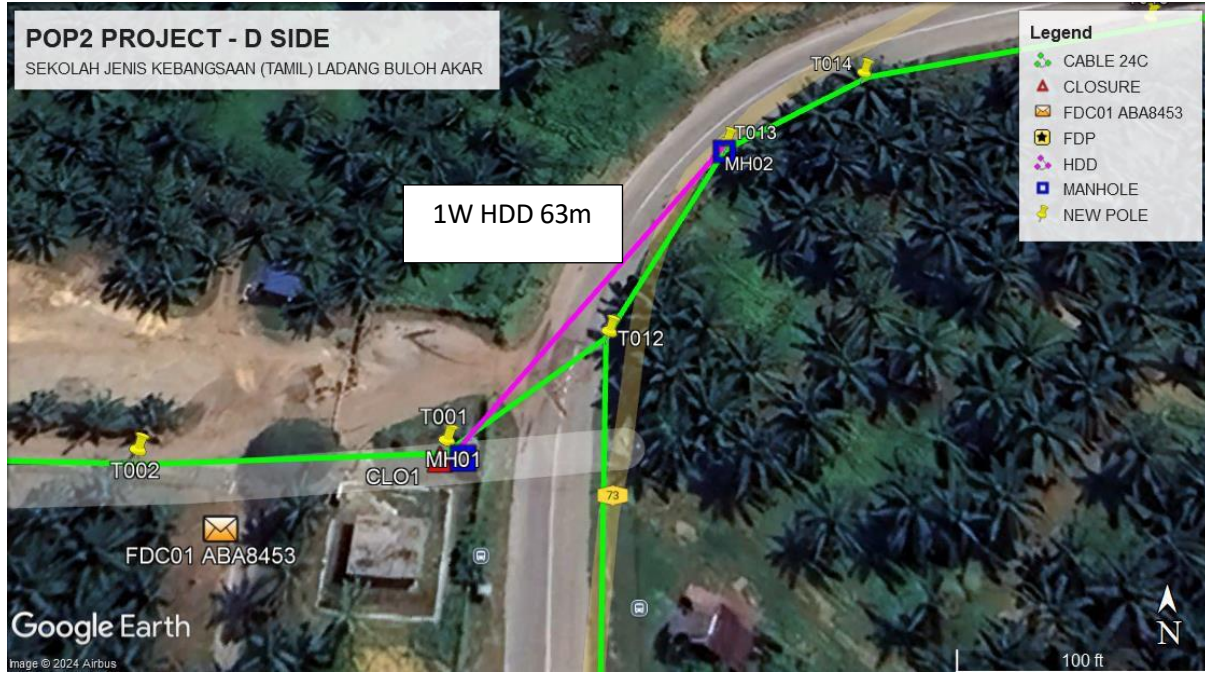


Figure 1: Location 1 (MH1- 4.523103, 100.875021) (MH2- 4.523549, 100.875355)



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Proposed New Pole Lat & Long Table

No.	Pole Number	Distance	Latitude	Longitude	Local Authority
1	FDC01 ABA8453	0.00	4.523002	100.874749	Ladang / Private estate
2	T001	45	4.523119	100.874996	Ladang / Private estate
3	T002	45	4.523105	100.874629	Ladang / Private estate
4	T003	45	4.523102	100.874235	Ladang / Private estate
5	T004	45	4.523086	100.873829	Ladang / Private estate
6	T005	45	4.523091	100.873495	Ladang / Private estate
7	T006	45	4.523137	100.873096	Ladang / Private estate
8	T007	45	4.521368	100.874493	JKR Perak
9	T008	45	4.521706	100.874739	JKR Perak
10	T009	45	4.522018	100.875009	JKR Perak
11	T010	45	4.522386	100.875157	JKR Perak
12	T011	45	4.522792	100.875185	JKR Perak
13	T012	45	4.523264	100.875191	JKR Perak
14	T013	45	4.523558	100.875355	JKR Perak
15	T014	45	4.523664	100.875552	JKR Perak
16	T015	45	4.523731	100.875955	JKR Perak
17	T016	45	4.523801	100.876362	JKR Perak
18	T017	45	4.523704	100.876732	JKR Perak
19	T018	45	4.523380	100.876973	JKR Perak
20	T019	45	4.523097	100.877190	JKR Perak
21	T020	45	4.522951	100.877436	JKR Perak
22	T021	45	4.522873	100.877608	JKR Perak
23	T022	45	4.522794	100.877994	JKR Perak
24	T023	45	4.522789	100.878402	JKR Perak
25	T024	45	4.522847	100.878740	JKR Perak
26	T025	45	4.522868	100.879171	JKR Perak
27	T026	45	4.522832	100.879557	JKR Perak
28	T027	45	4.522852	100.880011	JKR Perak
29	T028	45	4.522965	100.880412	JKR Perak
30	T029	45	4.523111	100.880740	JKR Perak
31	T030	45	4.523272	100.881099	JKR Perak
32	T031	45	4.523405	100.881464	JKR Perak
33	T032	45	4.523634	100.881837	JKR Perak
34	T033	45	4.523883	100.882143	JKR Perak
35	T034	45	4.524080	100.882403	JKR Perak



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36	T035	45	4.524221	100.882788	JKR Perak
37	T036	45	4.524373	100.883171	JKR Perak
38	T037	45	4.524523	100.883567	JKR Perak
39	T038	45	4.524681	100.883965	JKR Perak
40	T039	45	4.524683	100.884362	JKR Perak
41	T040	45	4.524595	100.884766	JKR Perak
42	T041	45	4.524510	100.885007	JKR Perak
43	T042	45	4.524174	100.885250	JKR Perak
44	T043	45	4.523764	100.885464	JKR Perak
45	T044	45	4.523504	100.885682	JKR Perak
46	T045	45	4.523242	100.885989	JKR Perak
47	T046	45	4.522915	100.886247	JKR Perak
48	T047	45	4.522660	100.886522	JKR Perak
49	T048	45	4.522483	100.886887	JKR Perak
50	T049	45	4.522337	100.887273	JKR Perak
51	T050	45	4.522189	100.887648	JKR Perak
52	T051	45	4.521991	100.888116	JKR Perak



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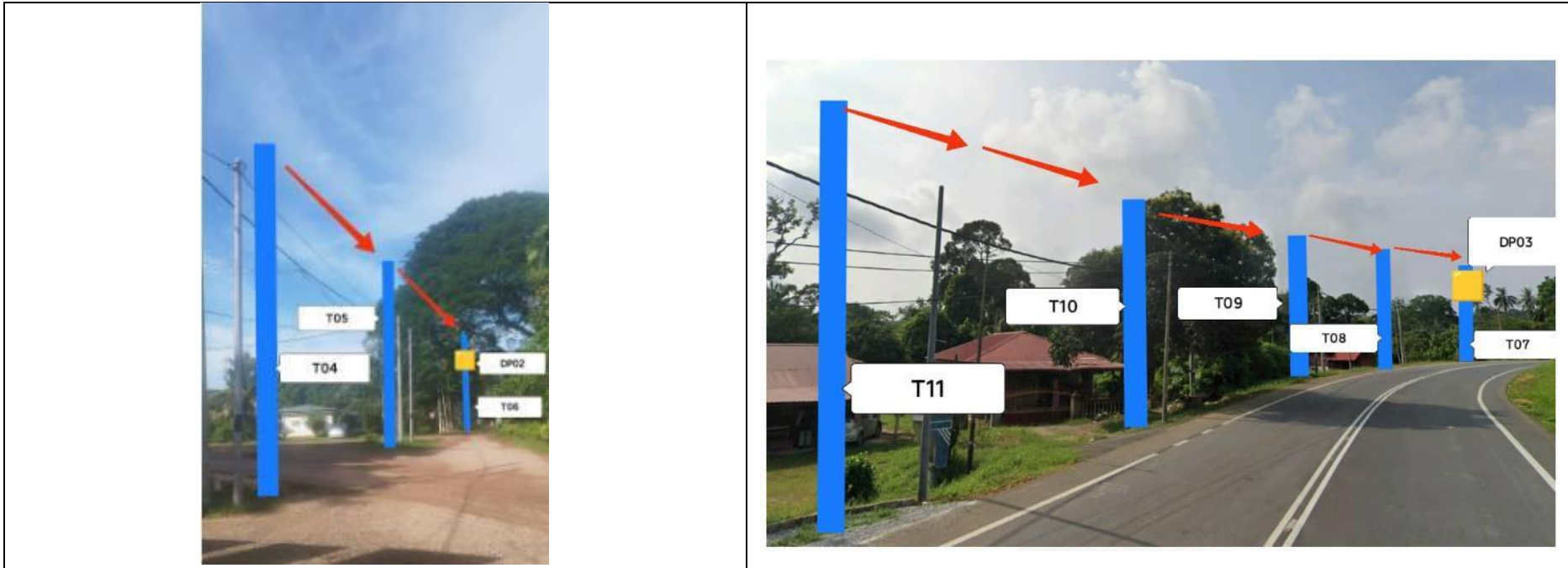


Site Photos – Proposed to install pole 7.5m



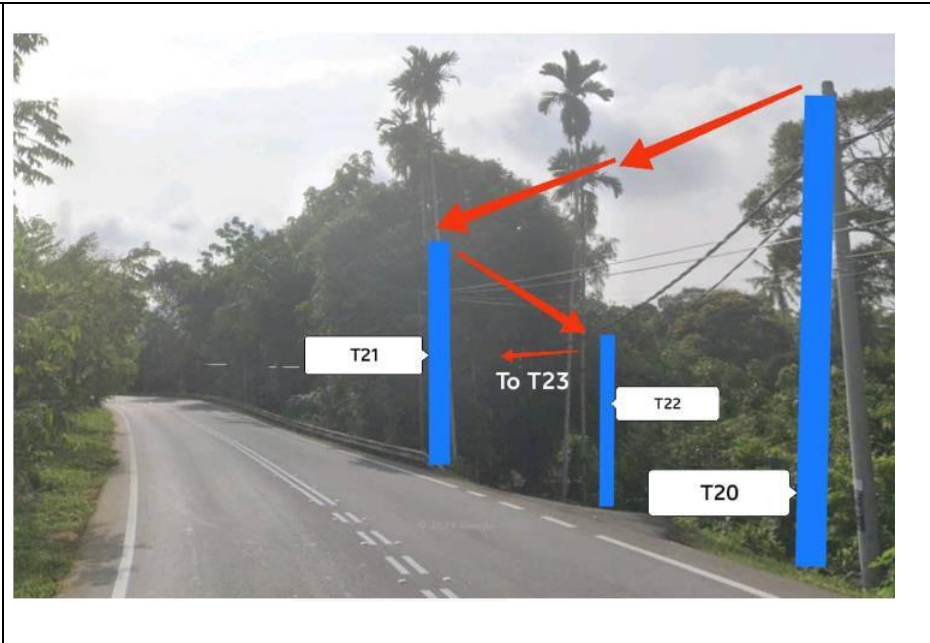
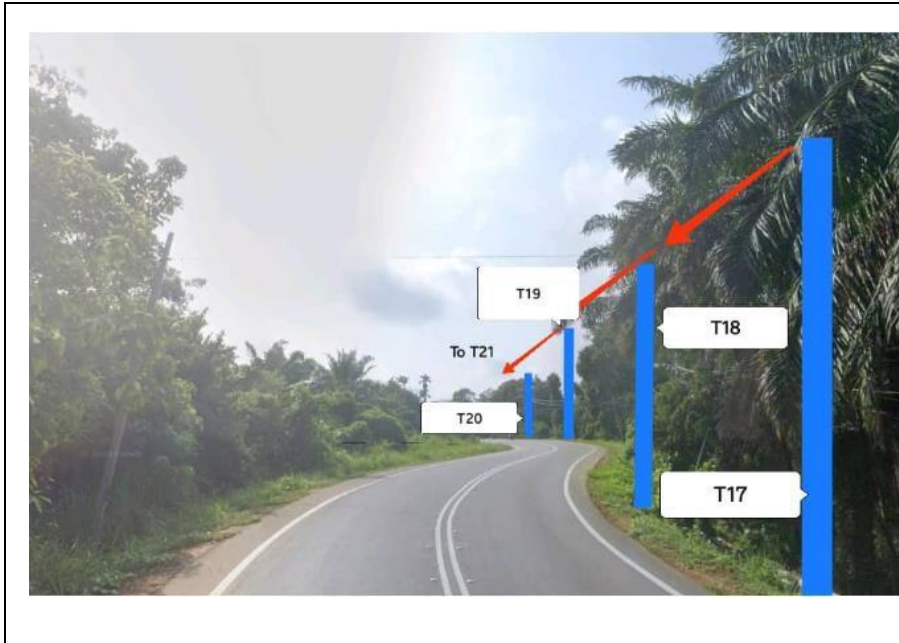


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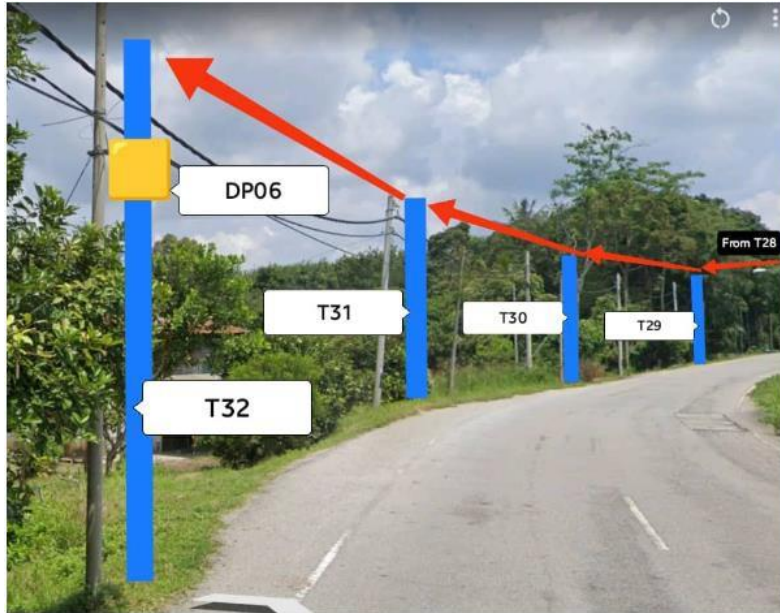


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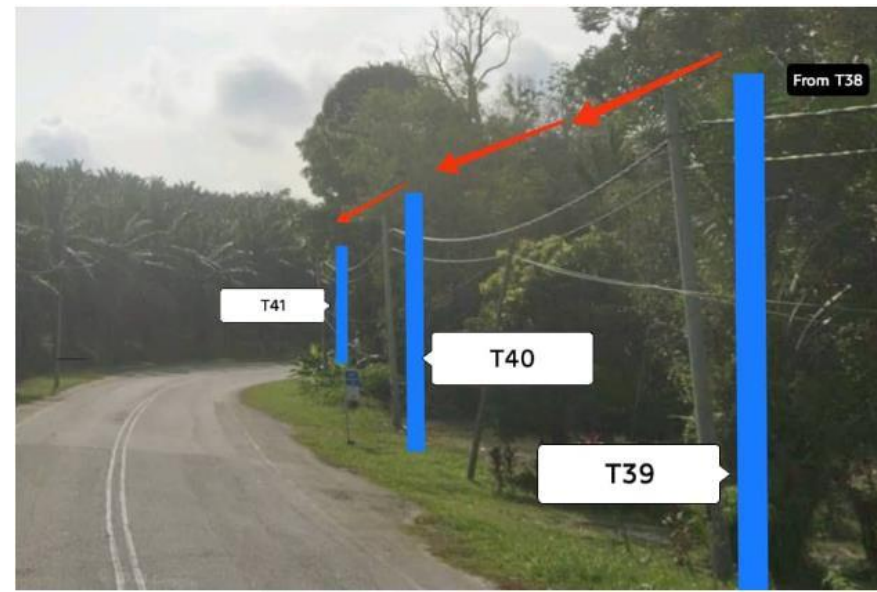
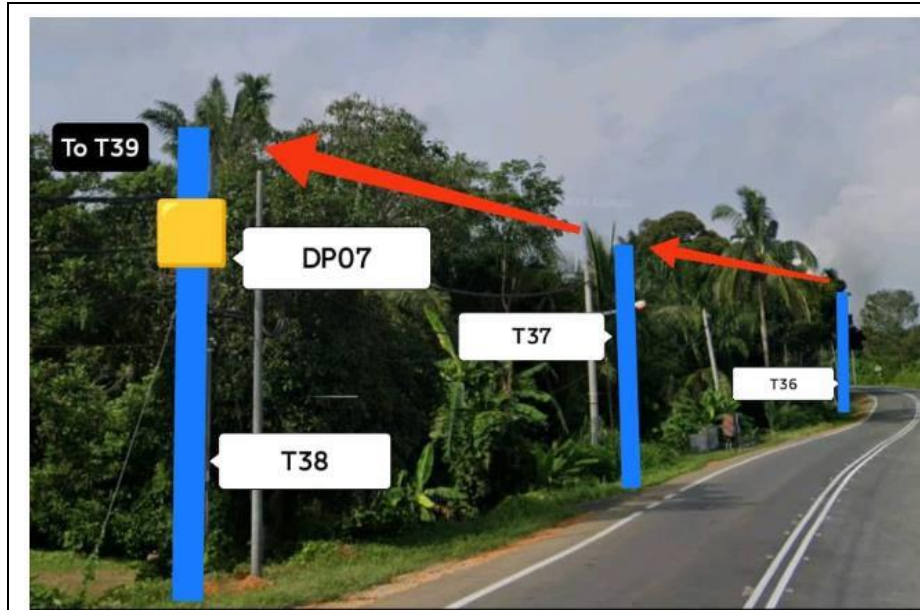


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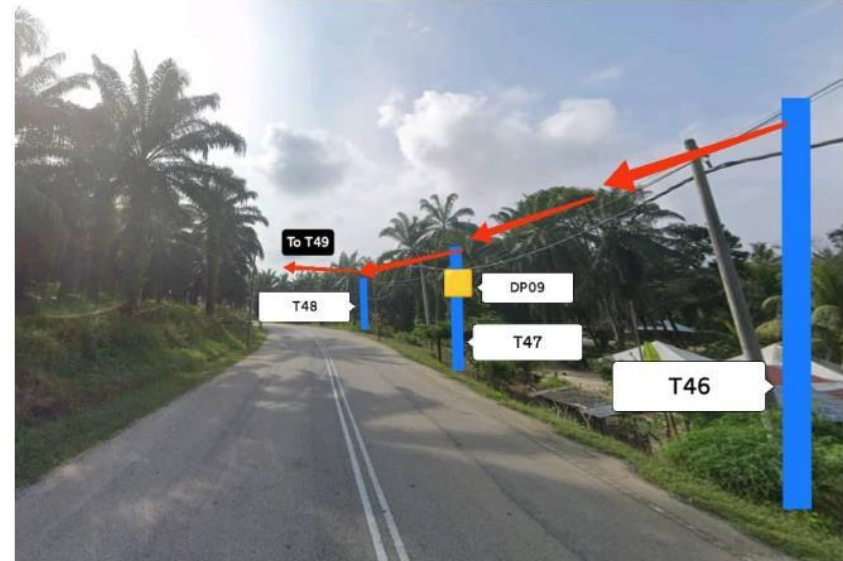
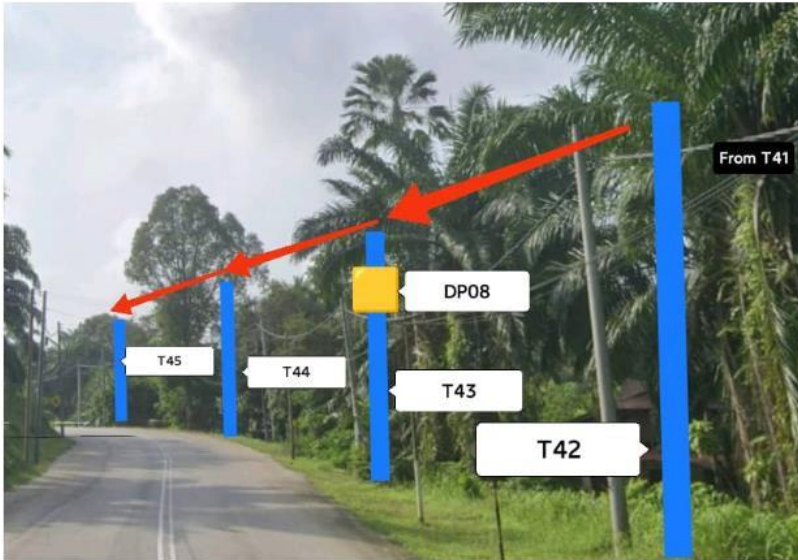


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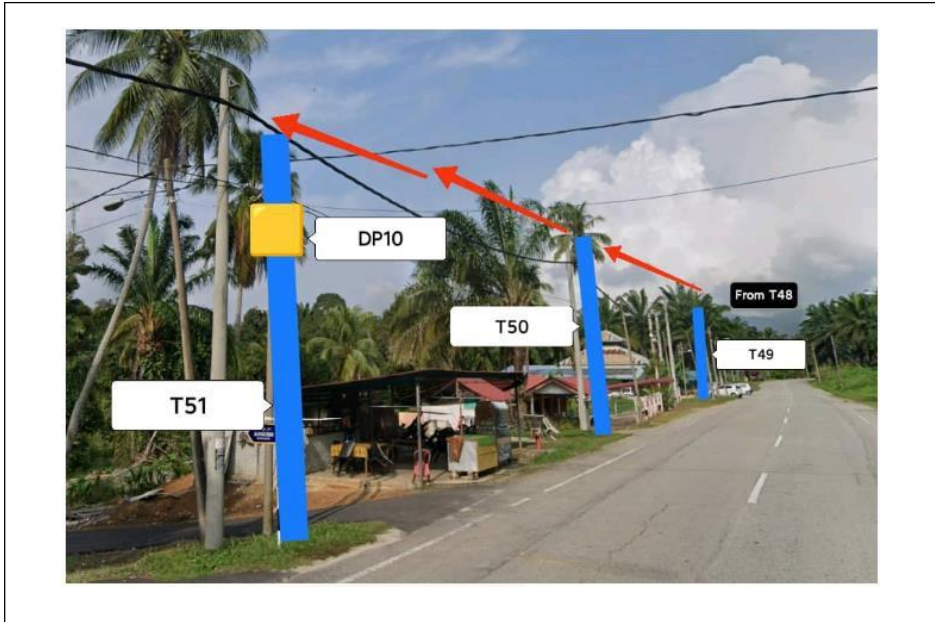





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3rd Parties Dependencies

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)	S	Suspension	UB30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	2797	Installed Patch Cord	●	Installed Pole (7.5M)	T	Tension	C7	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC		FDC	1	Installed Pole (6.7M)	⊙	Pole Ring		FDP Boundary	Loop / Coil (Meter)	P001	New Pole NO.
96C FOC		Closure	4	Existing TNB Pole	⊙	FDP with (1:8) splitter	17	HDD (Meter)	#	CL01	Closure NO.
144C FOC		Existing Closure		Installed Riser	⊙	Existing Manhole		Open Cut (Meter)	C01	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 ABD8453 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG BULOH AKAR	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, 43300 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 : ABD8453 - ABD - 01	Sheet : 1/3
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						Size : A3

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)	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.	

ACTUAL HOMEPASS :

<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, 43300 SERI KEMBANGAN, SELANGOR TEL: +603 6888 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 ABD8453 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG BULOH AKAR</p>	<p>Design By : ENGINEER</p>	<p>Date : DEC 2024</p>
					<p>Drawn By : ENGINEER</p>	<p>Scale : NOT TO SCALE</p>
<p>PROJECT PHASE: POP 2</p>					<p>Checked By : ENGINEER</p>	<p>Job Number :</p>
<p>DRAWING NUMBER : ABD8453 - ABD - 01A</p>					<p>THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF APEX COMMUNICATIONS SDN BHD</p>	<p>Sheet : 2/3</p>
					<p>Size : A3</p>	



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.		
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)	5	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)	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC		FDC	1	Installed Pole (6.7M)		Pole Ring			FDP Boundary	Loop / Coil (Meter)	P001	New Pole NO.
96C FOC		Closure	4	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.

ACTUAL HOMEPASS :

KEY PLAN : 	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 5888 5983 E-MAIL: info@wcwlcommunications.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 ABD8453 SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG BULOH AKAR	Design By : ENGINEER Drawn By : ENGINEER Checked By : ENGINEER	Date : DEC 2024 Scale : NOT TO SCALE Job Number :	DRAWING NUMBER : ABD8453 - ABD - 01B Sheet : 3/3
				PROJECT PHASE: POP 2	THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF APEX COMMUNICATIONS SDN BHD		Size : A3