



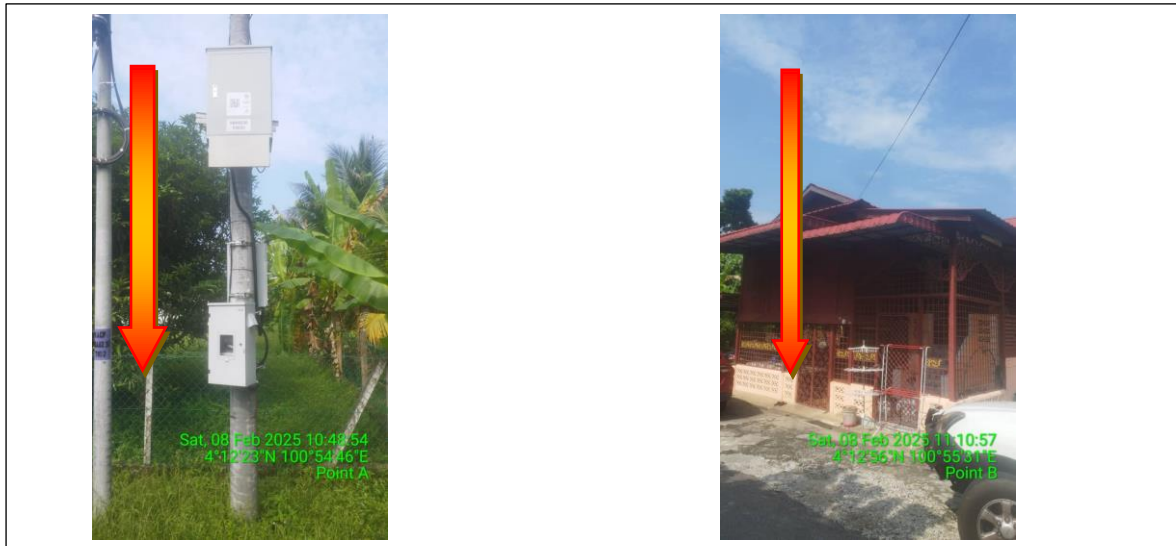
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENSE (POP) FASA 2: HUB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



TECHNICAL PROPOSAL

POP2 ABA8230 SEKOLAH KEBANGSAAN TANJONG BIDARA (D-SIDE)

Company Name	:	WCWL COMMUNICATIONS SDN BHD
Company Address	:	127, Jalan PUJ 3/3, Taman Puncak Jalil 43300 Subang Jaya Selangor
Prepared By	:	Zhahin
Date	:	18/02/2025



POINT A

POINT B

Starting Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN TANJONG BIDARA
Address	:	Sekolah Kebangsaan Tanjong Bidara
District	:	Kampung Gajah
Postcode	:	36800
State	:	Perak
GPS Coordinate	:	4.206209, 100.912673
LRD	:	A

End Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN TANJONG BIDARA
Address	:	Jalan Teluk Intan
District	:	Kampung Gajah
Postcode	:	36800
State	:	Perak
GPS Coordinate	:	4.215607, 100.925389
		B



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))



Work Summary

No	Proposed Distance and Method	Unit	Qty
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

	Other Information	Unit	Qty
1	Proposed Manhole	EA	0
2	Proposed Pole	EA	49
3	Joint Closure	EA	1
4	Estimated time required for completion	days	30



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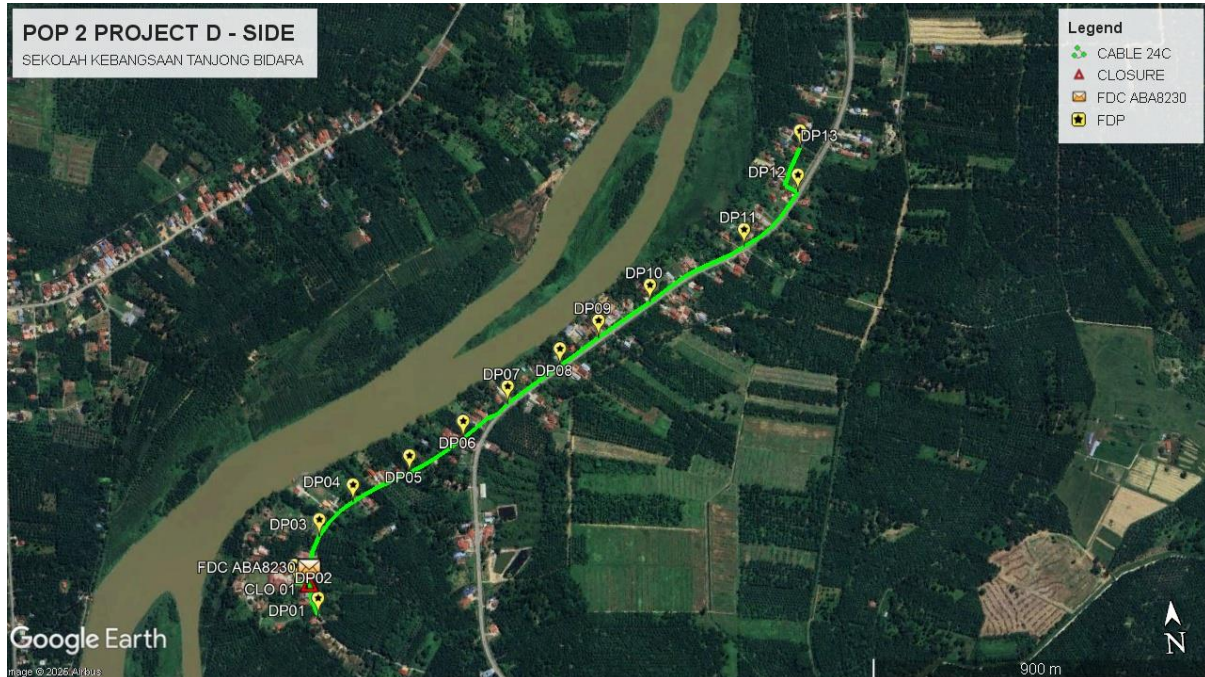
Local Authority Summary

1. Perak Tengah

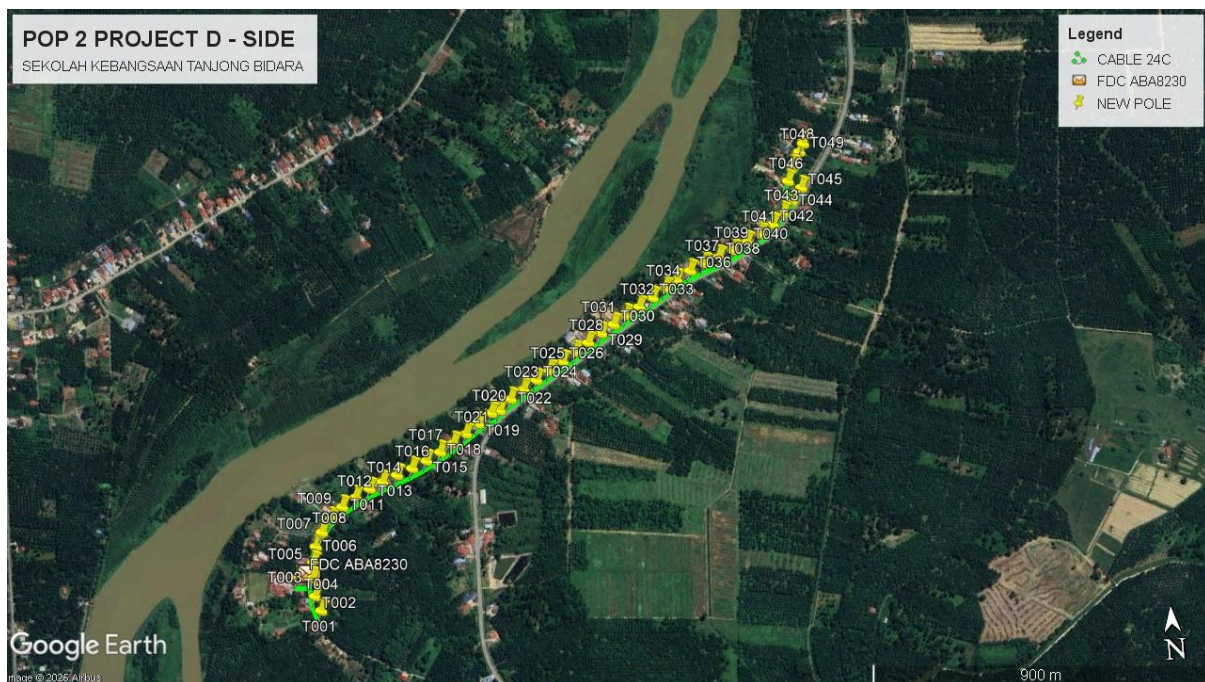
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	25	1125m
		Majlis	24	1080m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				2205m

Site Plan – KMZ (Overview site area)

Proposed FDP and Closure



Proposed New Pole

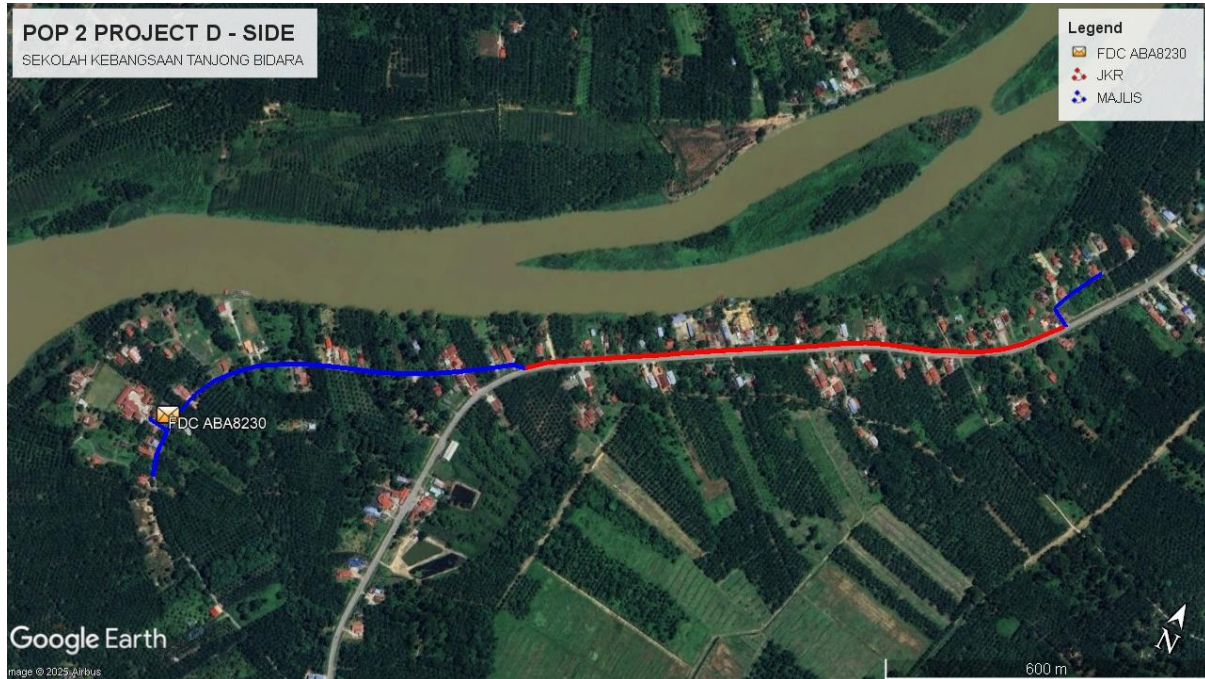




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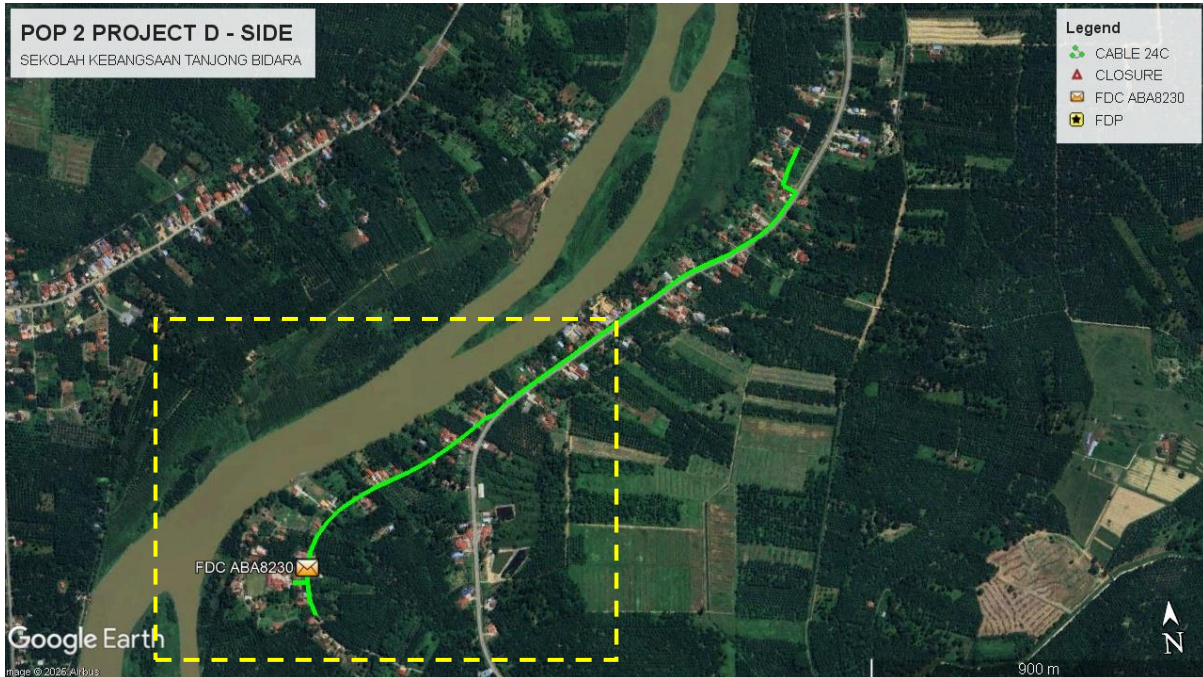
Site Plan – KMZ Routing (All Local Authority)



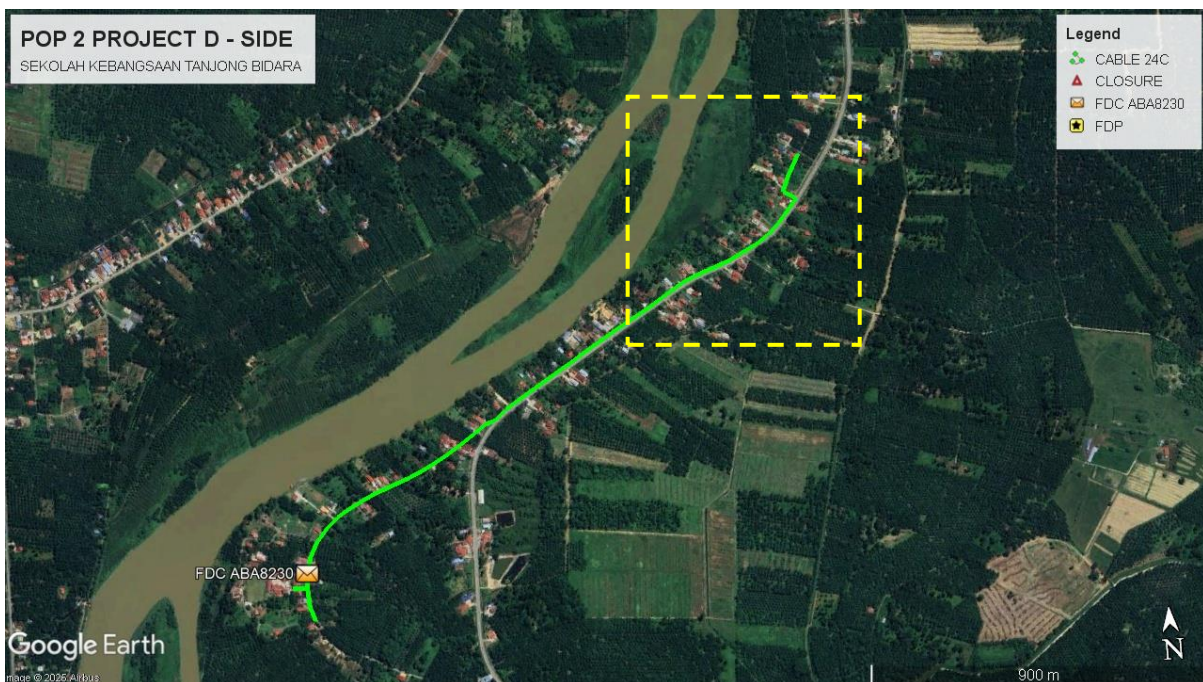
Blue Colour – Majlis Daerah Perak Tengah

Red Colour – JKR Perak

Route 1



Route 2





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Proposed New Pole Lat & Long Table

No.	Pole Number	Distance	Latitude	Longitude	Local Authority
1	FDC01 ABA8230	0	4.206209	100.912673	Majlis Daerah Perak Tengah
2	T001	45	4.205377	100.912818	Majlis Daerah Perak Tengah
3	T002 (9m)	45	4.205736	100.912701	Majlis Daerah Perak Tengah
4	T003 (9m)	45	4.206167	100.912681	Majlis Daerah Perak Tengah
5	T004	45	4.206215	100.912314	Majlis Daerah Perak Tengah
6	T005	45	4.206547	100.912723	Majlis Daerah Perak Tengah
7	T006	45	4.206924	100.912818	Majlis Daerah Perak Tengah
8	T007 (9m)	45	4.207257	100.912996	Majlis Daerah Perak Tengah
9	T008 (9m)	45	4.207556	100.913252	Majlis Daerah Perak Tengah
10	T009	45	4.207822	100.913540	Majlis Daerah Perak Tengah
11	T010	45	4.208023	100.913882	Majlis Daerah Perak Tengah
12	T011	45	4.208201	100.914234	Majlis Daerah Perak Tengah
13	T012	45	4.208340	100.914560	Majlis Daerah Perak Tengah
14	T013	45	4.208475	100.914926	Majlis Daerah Perak Tengah
15	T014	45	4.208606	100.915302	Majlis Daerah Perak Tengah
16	T015	45	4.208759	100.915661	Majlis Daerah Perak Tengah
17	T016	45	4.208936	100.916013	Majlis Daerah Perak Tengah
18	T017	45	4.209126	100.916353	Majlis Daerah Perak Tengah
19	T018	45	4.209326	100.916671	Majlis Daerah Perak Tengah
20	T019	45	4.209540	100.916995	Majlis Daerah Perak Tengah
21	T020	45	4.209772	100.917321	Majlis Daerah Perak Tengah
22	T021	45	4.209818	100.917531	JKR Perak
23	T022	45	4.210070	100.917820	JKR Perak
24	T023	45	4.210273	100.918150	JKR Perak
25	T024	45	4.210471	100.918481	JKR Perak
26	T025	45	4.210668	100.918815	JKR Perak
27	T026	45	4.210866	100.919149	JKR Perak
28	T027	45	4.211061	100.919480	JKR Perak
29	T028	45	4.211263	100.919804	JKR Perak
30	T029	45	4.211461	100.920140	JKR Perak
31	T030	45	4.211650	100.920456	JKR Perak
32	T031	45	4.211836	100.920780	JKR Perak
33	T032	45	4.212020	100.921108	JKR Perak
34	T033	45	4.212211	100.921451	JKR Perak
35	T034	45	4.212410	100.921775	JKR Perak
36	T035	45	4.212591	100.922063	JKR Perak
37	T036	45	4.212783	100.922408	JKR Perak



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38	T037	45	4.212932	100.922759	JKR Perak
39	T038	45	4.213054	100.923129	JKR Perak
40	T039	45	4.213184	100.923490	JKR Perak
41	T040	45	4.213351	100.923833	JKR Perak
42	T041	45	4.213520	100.924182	JKR Perak
43	T042	45	4.213729	100.924494	JKR Perak
44	T043	45	4.213977	100.924773	JKR Perak
45	T044	45	4.214249	100.925001	JKR Perak
46	T045	45	4.214551	100.925255	JKR Perak
47	T046	45	4.214734	100.924950	Majlis Daerah Perak Tengah
48	T047	45	4.215081	100.925095	Majlis Daerah Perak Tengah
49	T048	45	4.215417	100.925280	Majlis Daerah Perak Tengah
50	T049	45	4.215607	100.925389	Majlis Daerah Perak Tengah

Bil	Type	7.5m	9m	Total
1	No Of Pole	45	4	49



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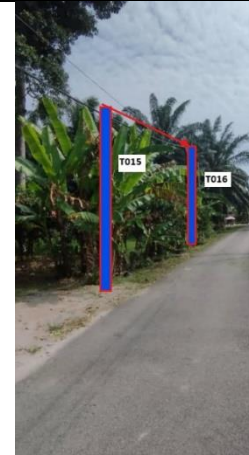


Site Photos – Proposed to install pole 7.5m





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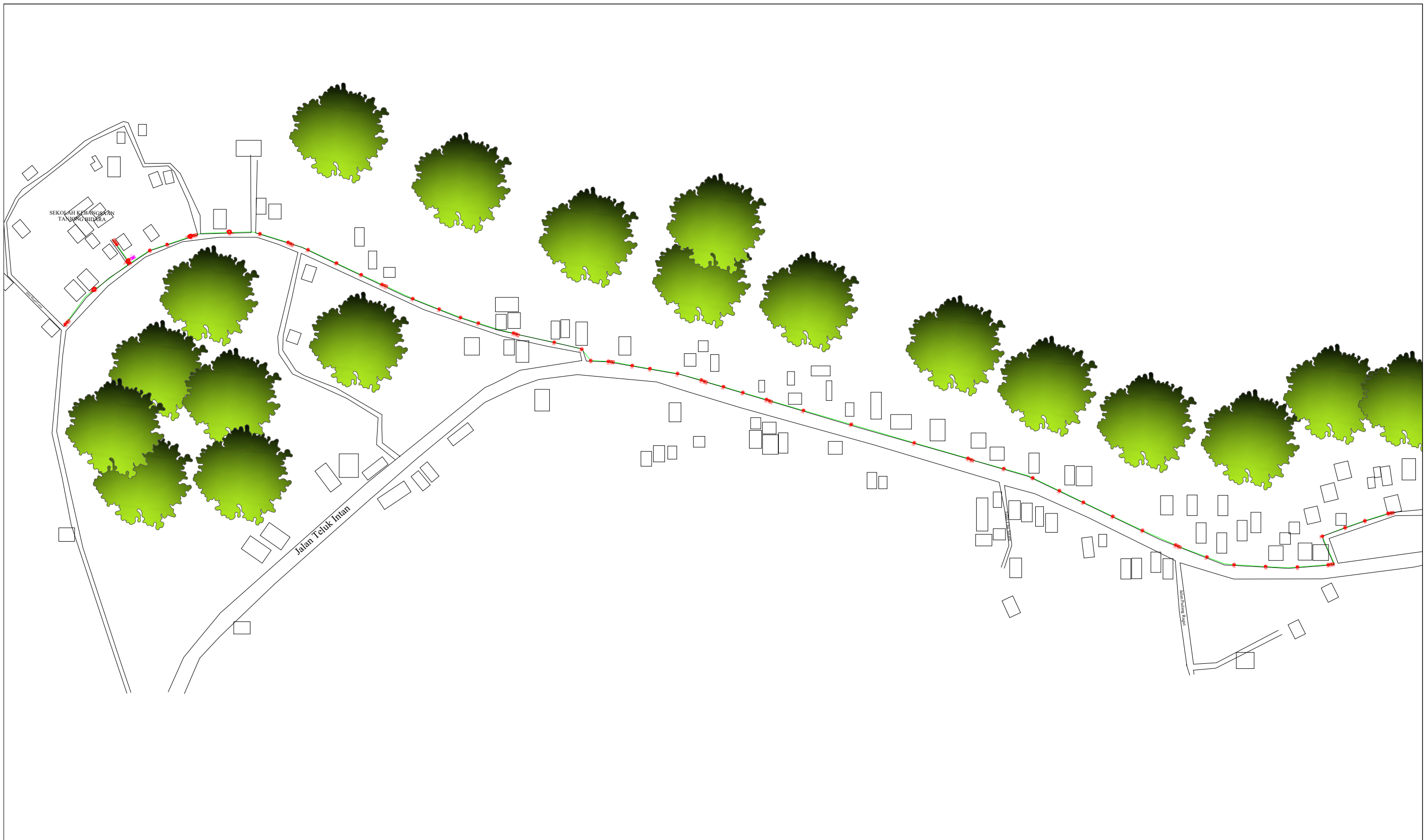
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3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	JKR Perak	
2	Majlis Daerah Perak Tengah	
3		
4		
5		
6		



LEGEND	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)		MH1	MH NO.
24C FOC	2797	Installed Patch Cord		Installed Pole (7.5M)	90	Tension		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 :

<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 PUU 3/3, TAMAN PUNCAK JAUH, BANDAR PUTRA PERAI, 43300 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 ABA8230 SEKOLAH KEBANGSAAN TANJONG BIDARA</p>	<p>Design By : ENGINEER</p>	<p>Date : FEB 2025</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 : ABA8230 - ABD - 01</p>					<p>Sheet : 1/3</p>	
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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		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		FDC	1		Installed Pole (6.7M)		FDP Boundary		Loop / Coil (Meter)
	96C FOC		Closure	4		Existing TNB Pole		HDD (Meter)		Active Outdoor Cabinet
	144C FOC		Existing Closure			Installed Riser		Open Cut (Meter)		FDC NO.
						Existing Manhole		Existing Manhole		MH NO.
						Tension				Existing TNB Pole NO.
						Pole Ring				New Pole NO.
						FDP with (1:8) splitter	17			Closure NO.
						Existing Manhole				FDP NO.



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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 PUI 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 TITLE : CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT	DRAWING TITLE: AS - BUILT DRAWING SITE PLAN DRAWING ABA8230 SEKOLAH KEBANGSAAN TANJONG BIDARA	Design By : ENGINEER Drawn By : ENGINEER Checked By : ENGINEER	Date : FEB 2025 Scale : NOT TO SCALE Job Number :	DRAWING NUMBER : ABA8230 - ABD - 01A	Sheet : 2/3
				PROJECT PHASE: POP 2	THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF APEX COMMUNICATIONS SDN BHD		Size : A3	



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)	MH1	MH NO.	
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96C FOC		Closure	Existing TNB Pole	FDP with (1:8) splitter	HDD (Meter)	Active Outdoor Cabinet	CL01	Closure NO.	
144C FOC		Existing Closure	Installed Riser	Existing Manhole	Open Cut (Meter)	FDC NO.	DP1	FDP NO.	

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