

TECHNICAL PROPOSAL POP2 ABA8221 SEKOLAH KEBANGSAAN LAYANG-LAYANG KANAN (D-SIDE)

Company Name	:	WCWL COMMUNICATIONS SDN BHD
Company Address	:	127, Jalan PUJ 3/3, Taman Puncak Jalil 43300 Subang Jaya Selangor
Prepared By	:	Nur Syahidah Izzatie
Date	:	17/12/2024



POINT A

POINT B

Starting Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN LAYANG-LAYANG KANAN
Address	:	Parit
District	:	Perak Tengah
Postcode	:	32800
State	:	Perak
GPS Coordinate	:	4.400312, 100.888305
LRD	:	A

End Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN LAYANG-LAYANG KANAN
Address	:	A17, Kampong Layang Layang Kiri,
District	:	Perak Tengah
Postcode	:	32800
State	:	Perak
GPS Coordinate	:	4.414905, 100.894272
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))



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	120
3	Joint Closure	EA	2
4	Estimated time required for completion	days	30



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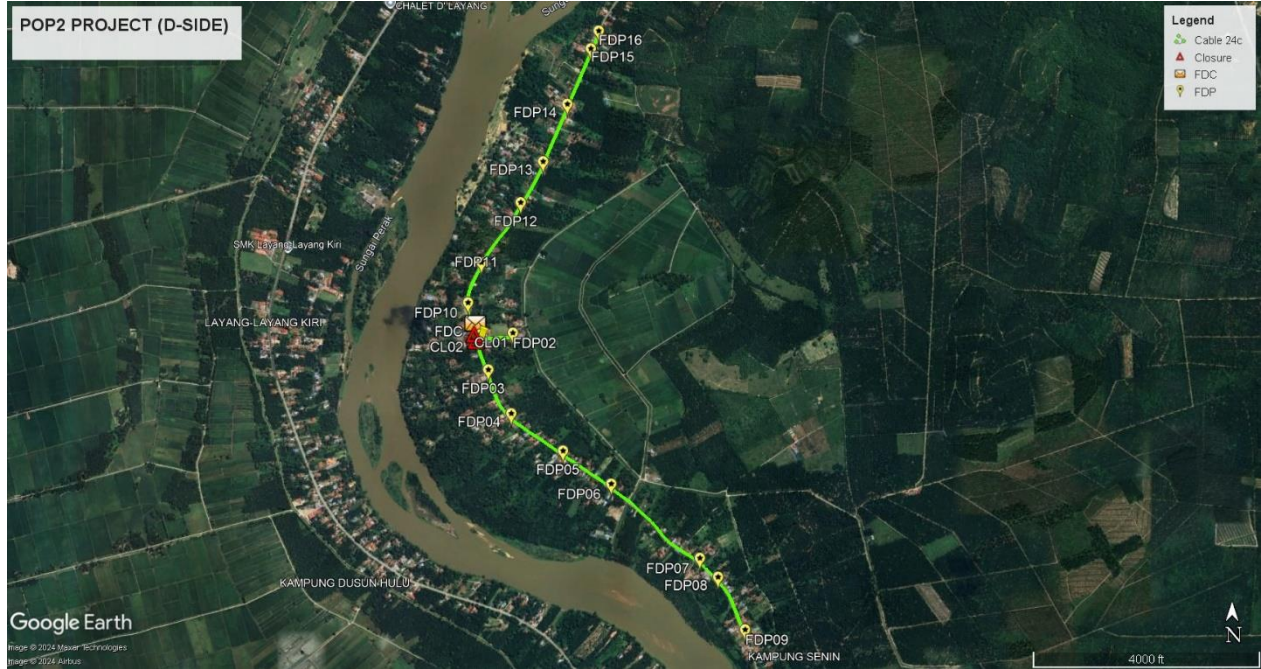
Local Authority Summary

1. Daerah Perak Tengah

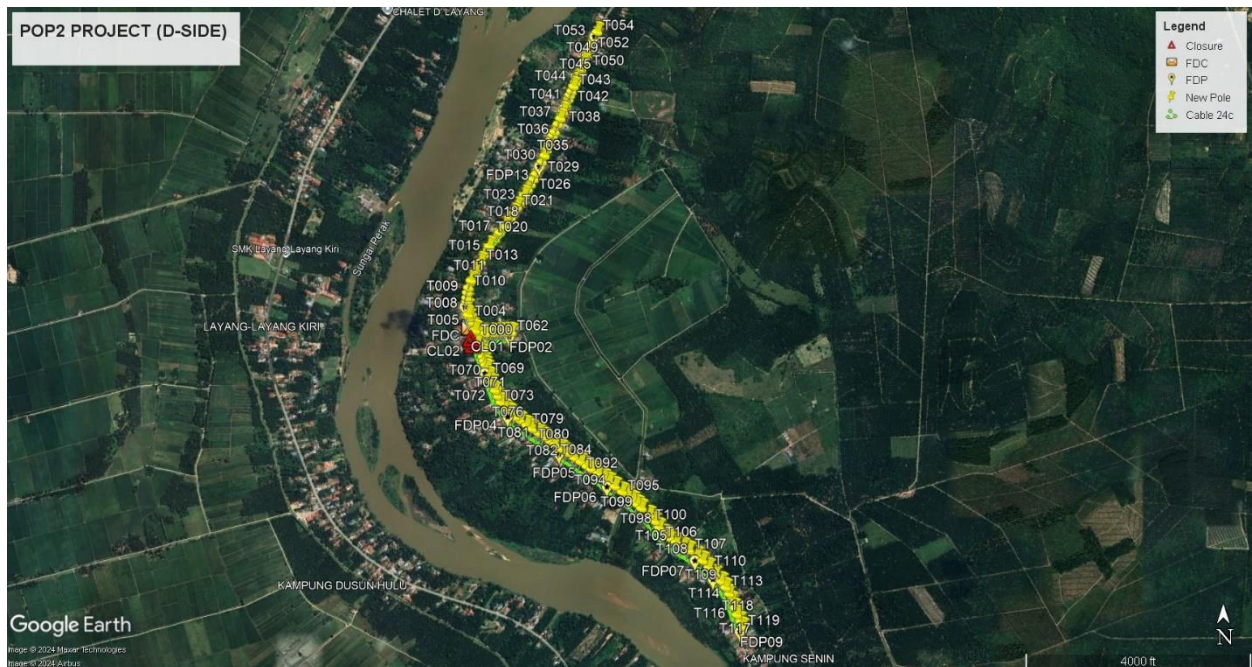
Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	113pcs	3980m
		Majlis	7pcs	200m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				4180m

Site Plan – KMZ (Overview site area)

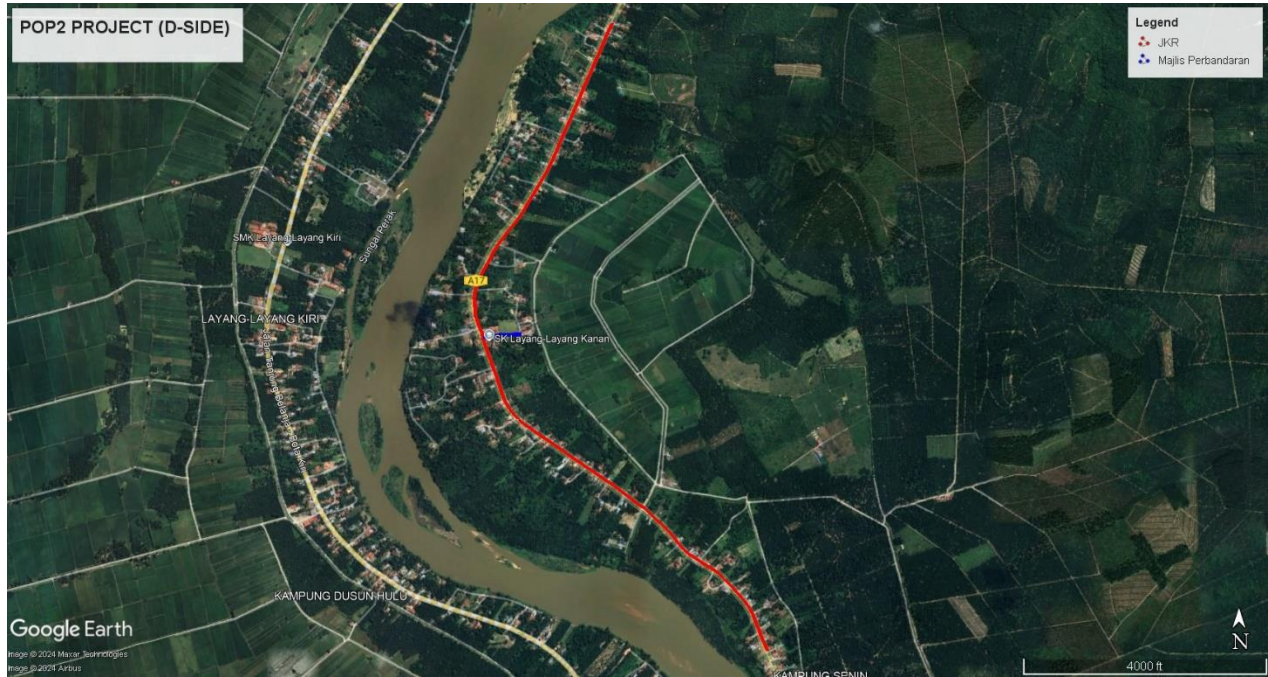
Proposed FDP and Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)

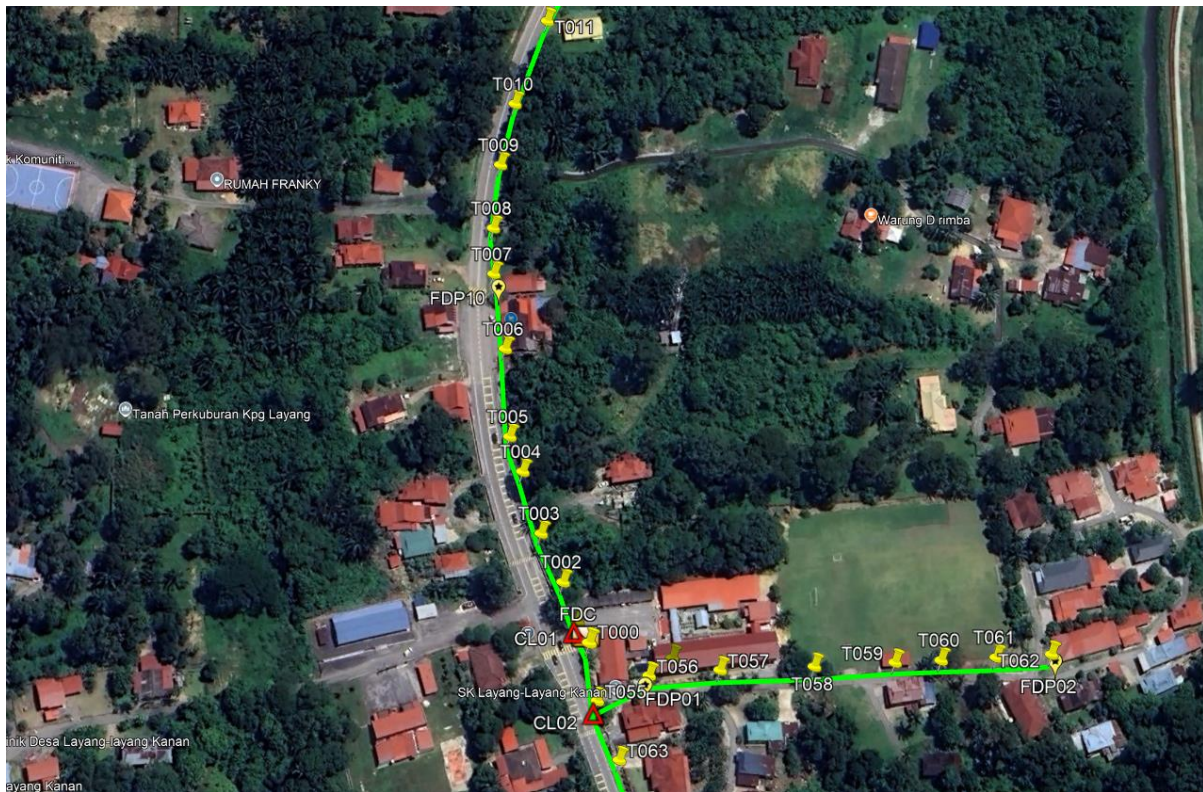
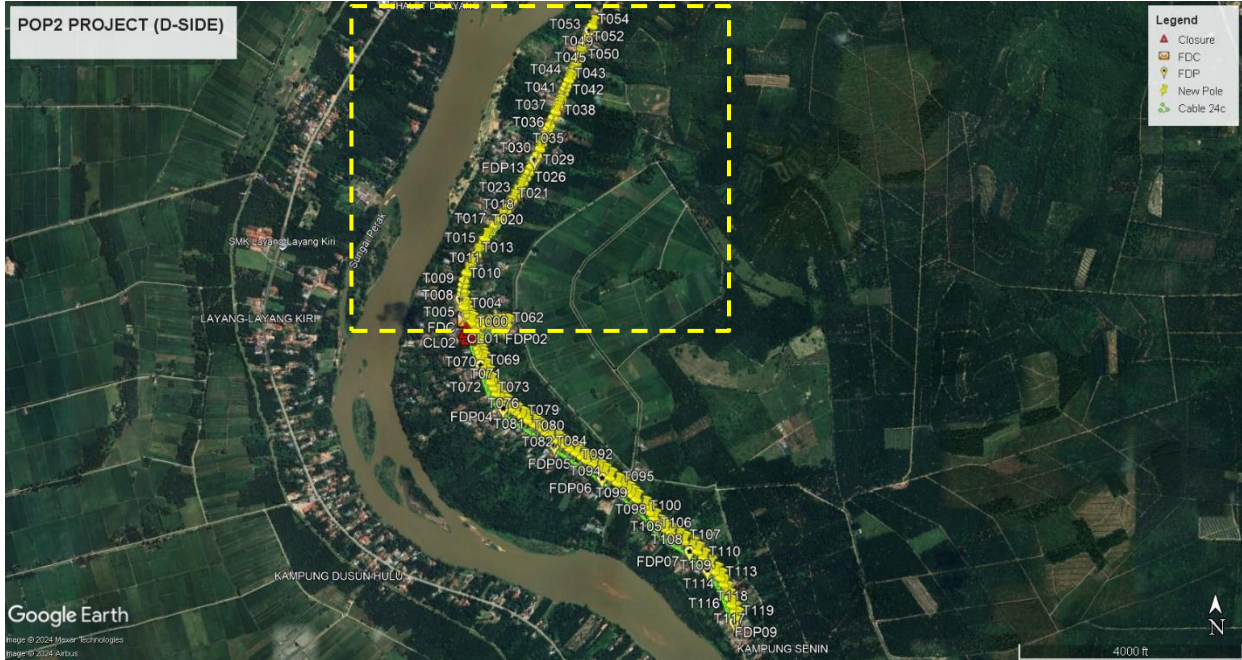


Red – JKR Perak Tengah

Blue - Majlis Perbandaran Perak Tengah

Site Plan – KMZ Routing (All site area)

Route 1



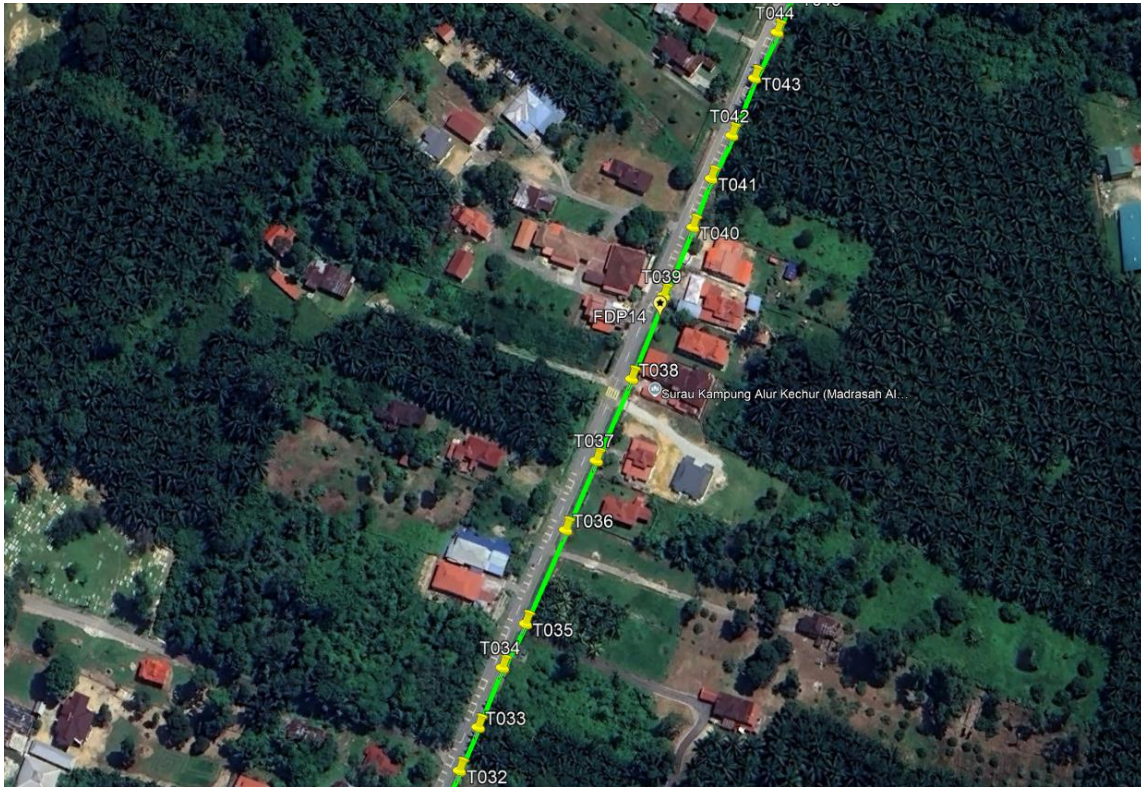
Route 1.1



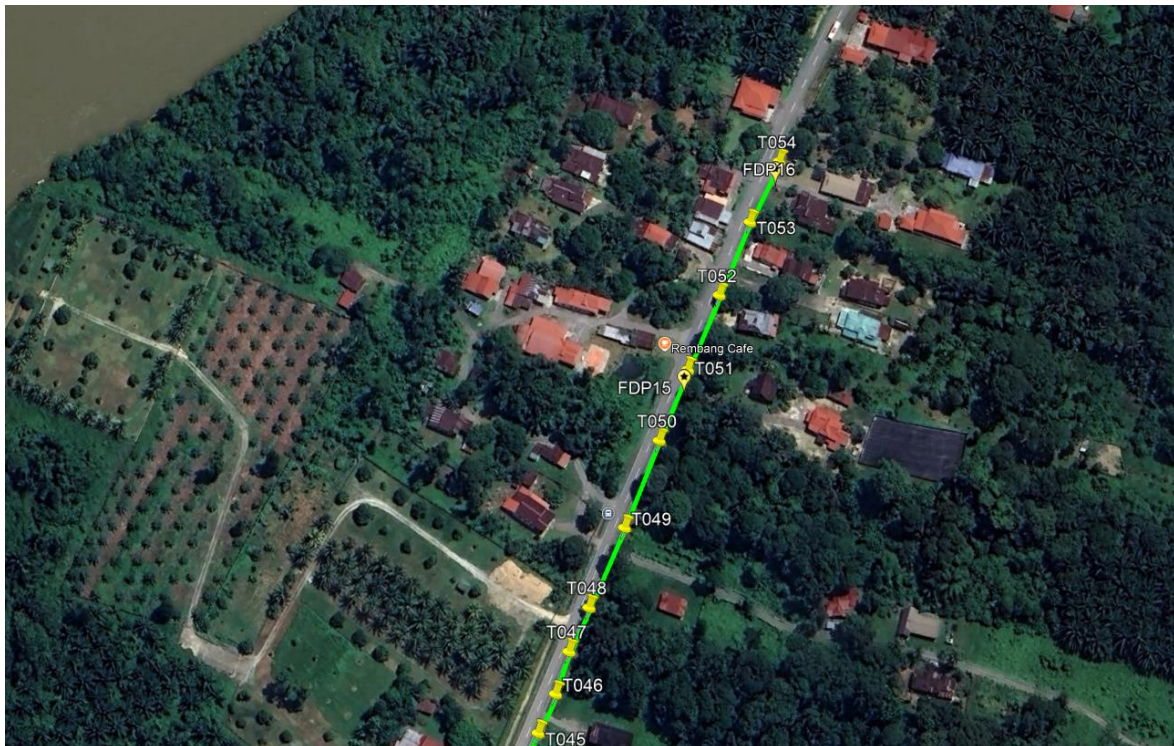
Route 1.2



Route 1.3

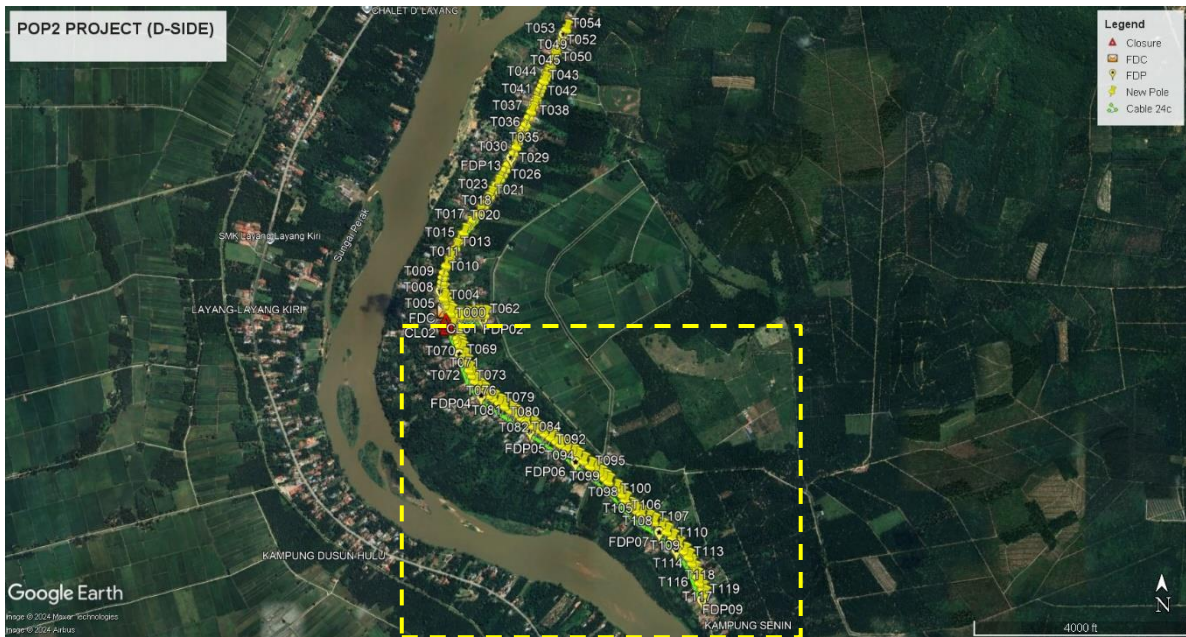


Route 1.4



Route 1.5

Route 2



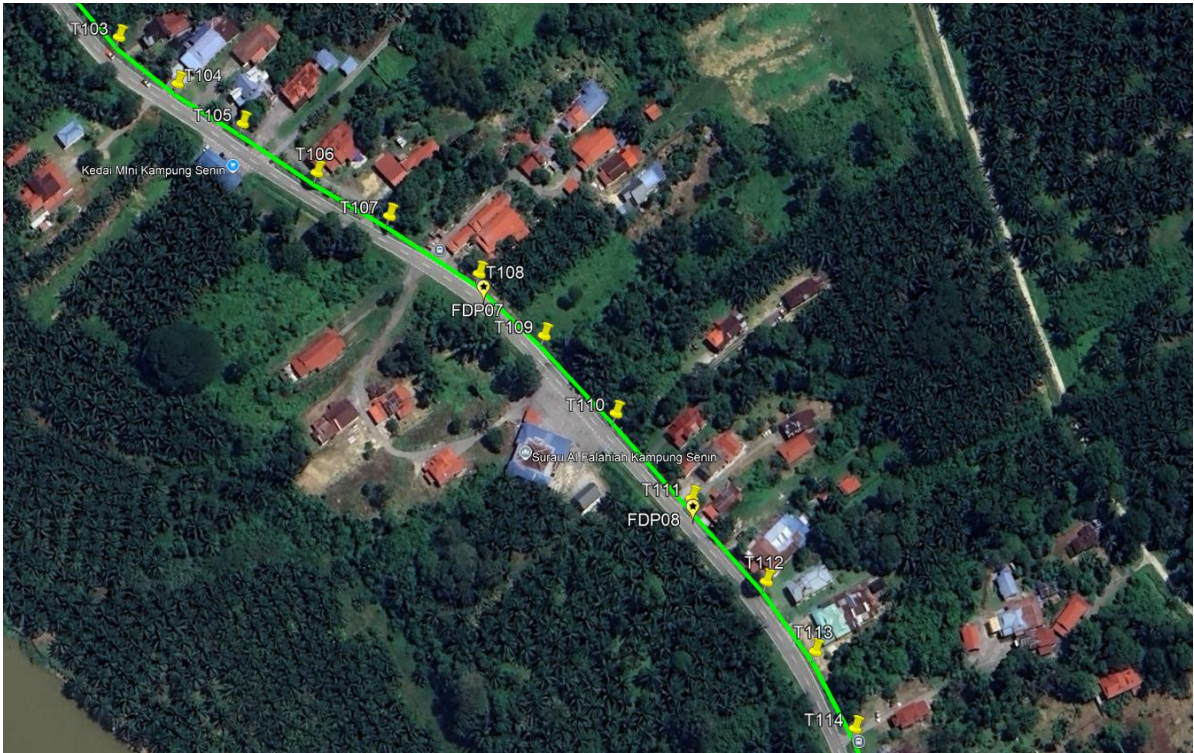
Route 2.1



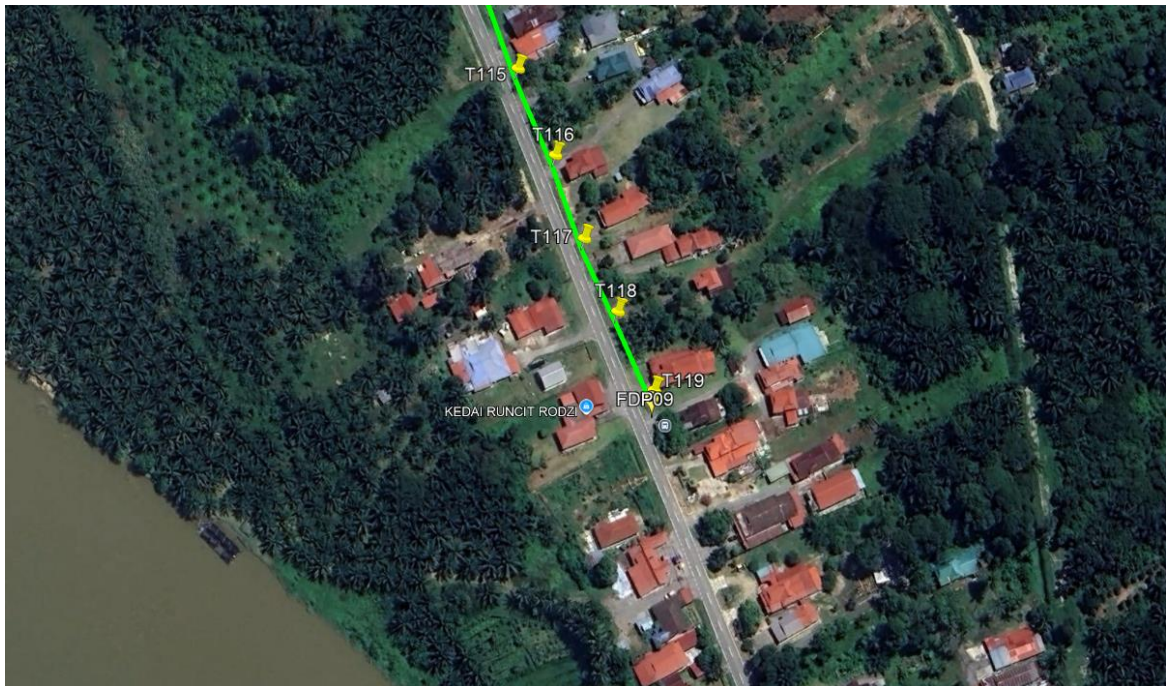
Route 2.2



Route 2.3



Route 2.4



Route 2.5

Overall Pole (Proposed New)

No.	Pole ID	Distance (m)	Latitude	Longitude	Local Authority
1	FDC	0.00	4.400426671	100.8883099	JKR Perak Tengah
2	T001	10.60	4.400511322	100.8882664	JKR Perak Tengah
3	T002	18.15	4.400664021	100.8882093	JKR Perak Tengah
4	T003	22.92	4.400851407	100.8881241	JKR Perak Tengah
5	T004	27.86	4.401091043	100.8880519	JKR Perak Tengah
6	T005	16.14	4.401226773	100.8880001	JKR Perak Tengah
7	T006	38.52	4.401572204	100.8879809	JKR Perak Tengah
8	T007	33.54	4.401869873	100.8879341	JKR Perak Tengah
9	T008	20.20	4.402051312	100.8879319	JKR Perak Tengah
10	T009	27.97	4.402301037	100.8879597	JKR Perak Tengah
11	T010	28.01	4.402546277	100.8880158	JKR Perak Tengah
12	T011	40.44	4.402886716	100.8881426	JKR Perak Tengah
13	T012	48.06	4.403275059	100.8883313	JKR Perak Tengah
14	T013	66.68	4.403799132	100.8886213	JKR Perak Tengah
15	T014	44.43	4.404163394	100.8887844	JKR Perak Tengah
16	T015	51.28	4.404553115	100.88903	JKR Perak Tengah
17	T016	49.12	4.404904108	100.8892974	JKR Perak Tengah
18	T017	42.47	4.405207022	100.8895293	JKR Perak Tengah
19	T018	41.82	4.405491004	100.8897753	JKR Perak Tengah
20	T019	57.46	4.405911096	100.8900752	JKR Perak Tengah
21	T020	30.11	4.406141519	100.8902168	JKR Perak Tengah
22	T021	37.40	4.406440247	100.8903706	JKR Perak Tengah
23	T022	29.85	4.406666715	100.8905141	JKR Perak Tengah
24	T023	45.35	4.407015221	100.890725	JKR Perak Tengah
25	T024	38.43	4.407315421	100.8908955	JKR Perak Tengah
26	T025	30.94	4.407551808	100.8910417	JKR Perak Tengah
27	T026	31.50	4.407799207	100.8911789	JKR Perak Tengah
28	T027	32.68	4.408062857	100.891308	JKR Perak Tengah
29	T028	45.58	4.40842418	100.8915006	JKR Perak Tengah
30	T029	25.65	4.408636659	100.8915897	JKR Perak Tengah
31	T030	36.56	4.408936733	100.8917231	JKR Perak Tengah
32	T031	33.30	4.409218565	100.8918234	JKR Perak Tengah
33	T032	36.50	4.409518933	100.8919549	JKR Perak Tengah
34	T033	20.23	4.40968583	100.8920268	JKR Perak Tengah
35	T034	27.65	4.409915996	100.8921202	JKR Perak Tengah
36	T035	21.52	4.41008685	100.8922106	JKR Perak Tengah
37	T036	44.42	4.410453405	100.8923683	JKR Perak Tengah
38	T037	33.06	4.410724955	100.8924886	JKR Perak Tengah
39	T038	39.49	4.411050879	100.8926287	JKR Perak Tengah
40	T039	40.40	4.411389832	100.8927583	JKR Perak Tengah
41	T040	33.94	4.411670401	100.8928775	JKR Perak Tengah
42	T041	23.19	4.411865308	100.892951	JKR Perak Tengah



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43	T042	21.26	4.412037156	100.8930344	JKR Perak Tengah
44	T043	27.82	4.412269312	100.8931269	JKR Perak Tengah
45	T044	23.58	4.412459756	100.8932197	JKR Perak Tengah
46	T045	19.75	4.412621001	100.8932937	JKR Perak Tengah
47	T046	18.38	4.412771628	100.8933614	JKR Perak Tengah
48	T047	19.13	4.412935271	100.8934139	JKR Perak Tengah
49	T048	21.06	4.413106916	100.8934934	JKR Perak Tengah
50	T049	38.46	4.413421627	100.8936359	JKR Perak Tengah
51	T050	41.77	4.413769562	100.8937764	JKR Perak Tengah
52	T051	34.39	4.414055561	100.8938933	JKR Perak Tengah
53	T052	36.72	4.414358895	100.894023	JKR Perak Tengah
54	T053	36.54	4.41466062	100.8941522	JKR Perak Tengah
55	T054	31.06	4.414911583	100.8942742	JKR Perak Tengah
56	T055	1764.87	4.40020907	100.8883425	JKR Perak Tengah
57	T056	24.72	4.400305716	100.8885424	Majlis Perbandaran Perak Tengah
58	T057	30.66	4.400326741	100.888817	Majlis Perbandaran Perak Tengah
59	T058	40.56	4.400340188	100.8891812	Majlis Perbandaran Perak Tengah
60	T059	34.91	4.400354888	100.8894944	Majlis Perbandaran Perak Tengah
61	T060	19.98	4.40036283	100.8896737	Majlis Perbandaran Perak Tengah
62	T061	23.71	4.400374358	100.8898864	Majlis Perbandaran Perak Tengah
63	T062	23.69	4.400386458	100.8900989	Majlis Perbandaran Perak Tengah
64	T063	191.43	4.399985167	100.8884268	JKR Perak Tengah
65	T064	48.84	4.399569627	100.8885675	JKR Perak Tengah
66	T065	23.48	4.39937262	100.8886428	JKR Perak Tengah
67	T066	22.64	4.399183422	100.8887173	JKR Perak Tengah
68	T067	23.28	4.39898265	100.888776	JKR Perak Tengah
69	T068	21.79	4.398797914	100.8888407	JKR Perak Tengah
70	T069	23.06	4.398609544	100.8889268	JKR Perak Tengah
71	T070	44.22	4.3982331	100.8890536	JKR Perak Tengah
72	T071	35.59	4.397932227	100.8891617	JKR Perak Tengah
73	T072	42.96	4.397570095	100.889295	JKR Perak Tengah
74	T073	32.87	4.397294068	100.8894	JKR Perak Tengah
75	T074	40.11	4.396988525	100.889591	JKR Perak Tengah
76	T075	42.80	4.396689832	100.8898331	JKR Perak Tengah
77	T076	29.71	4.396498707	100.8900193	JKR Perak Tengah
78	T077	37.04	4.396275525	100.8902661	JKR Perak Tengah
79	T078	34.54	4.396110411	100.8905288	JKR Perak Tengah
80	T079	43.53	4.395879398	100.8908443	JKR Perak Tengah
81	T080	34.79	4.395706077	100.8911044	JKR Perak Tengah
82	T081	42.48	4.395500627	100.891426	JKR Perak Tengah
83	T082	34.29	4.395327894	100.8916811	JKR Perak Tengah
84	T083	43.08	4.395107384	100.8919991	JKR Perak Tengah
85	T084	28.98	4.39495591	100.8922109	JKR Perak Tengah
86	T085	42.32	4.394734669	100.89252	JKR Perak Tengah



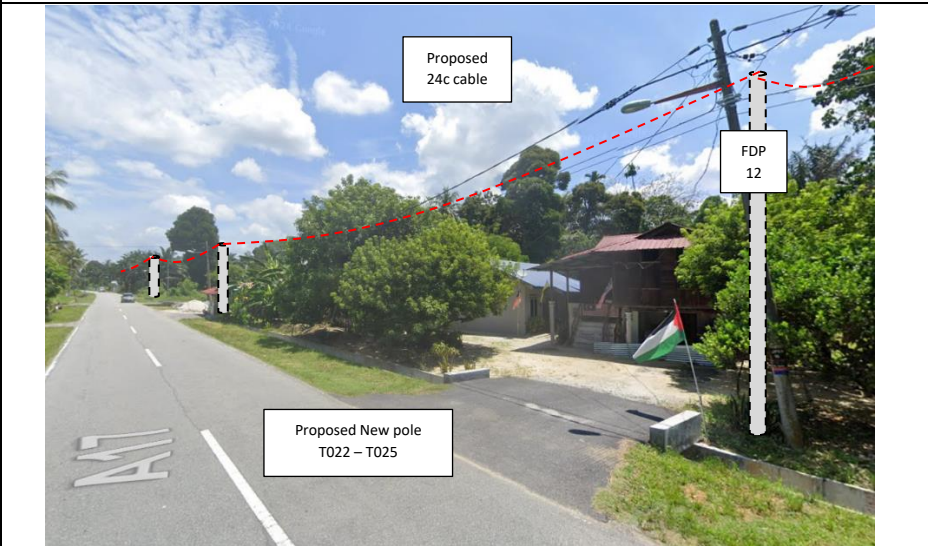
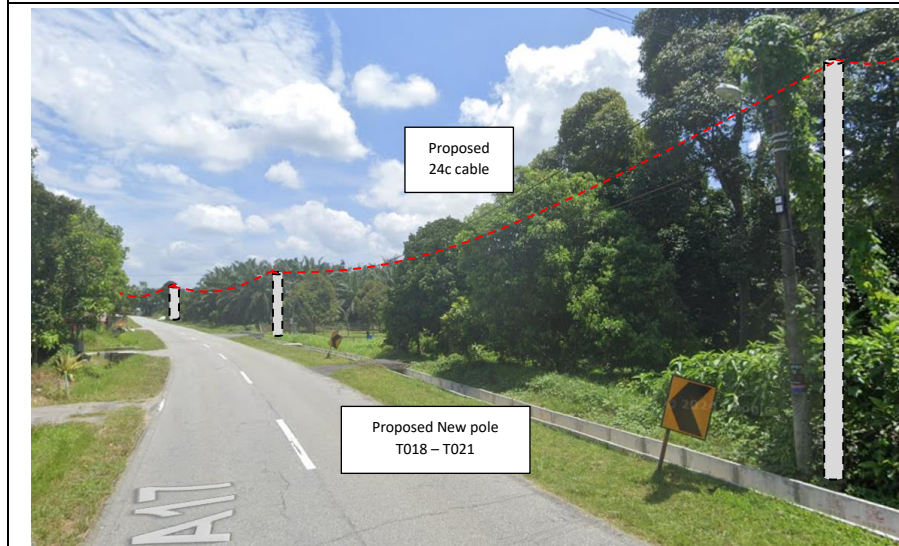
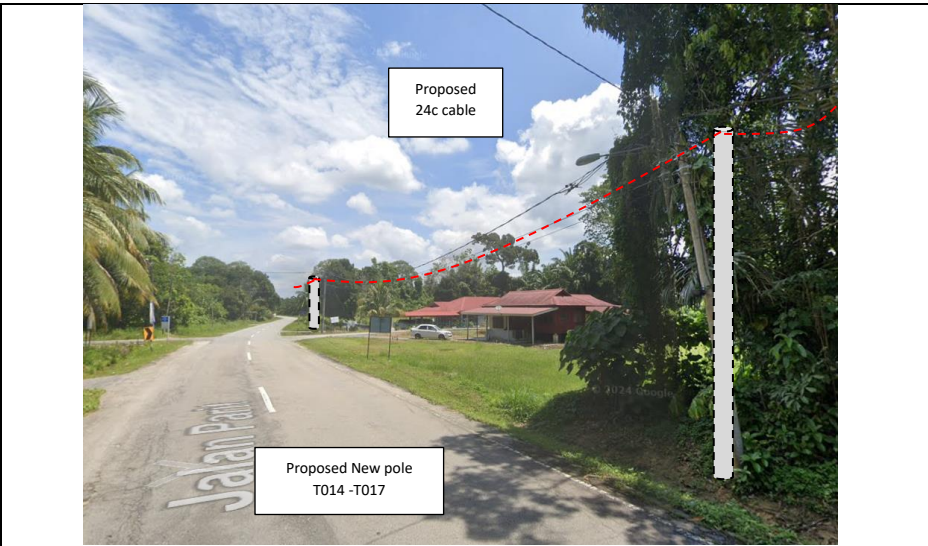
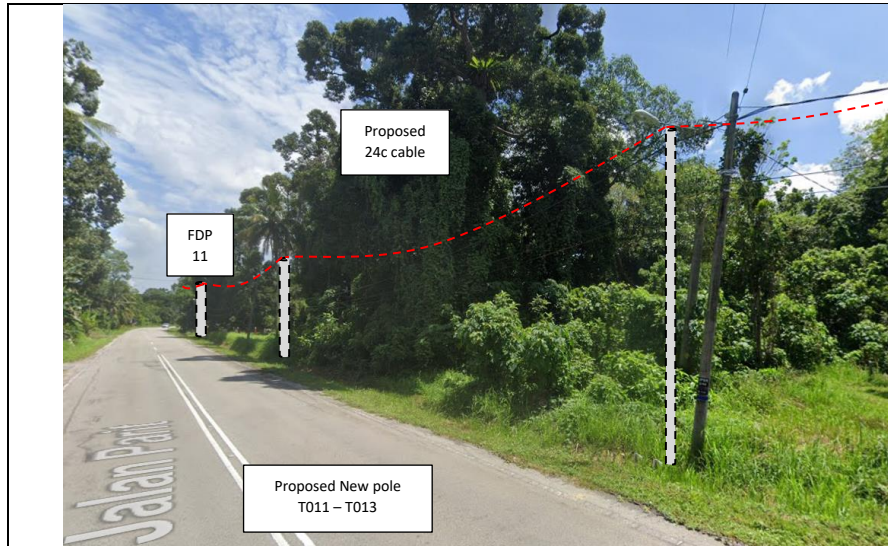
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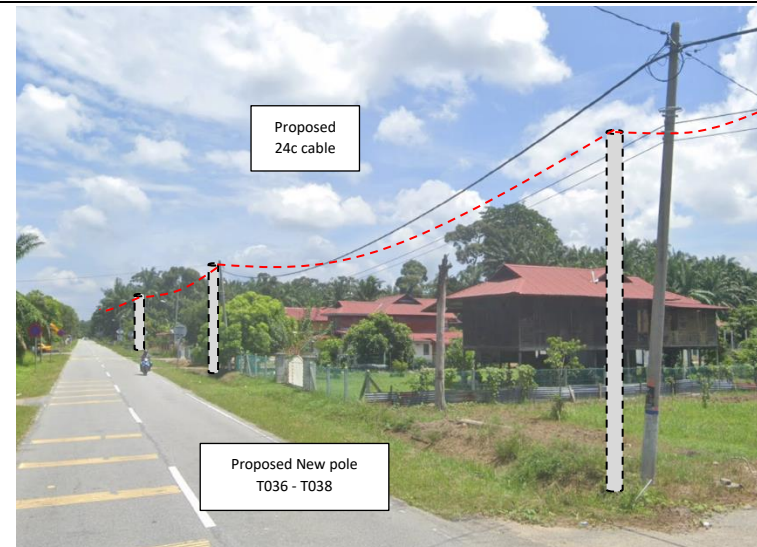
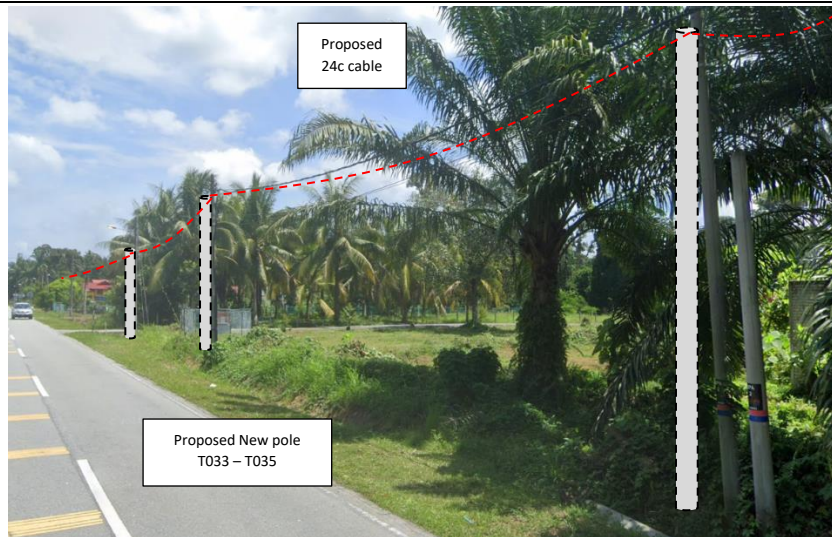
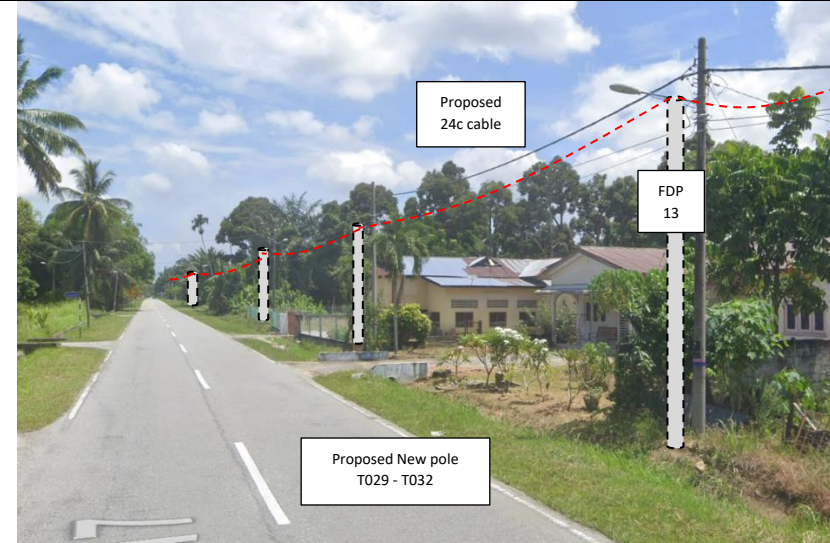
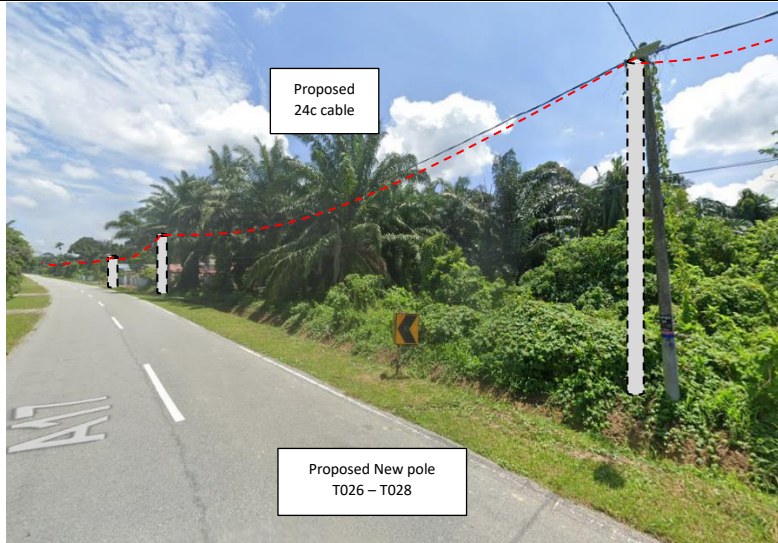


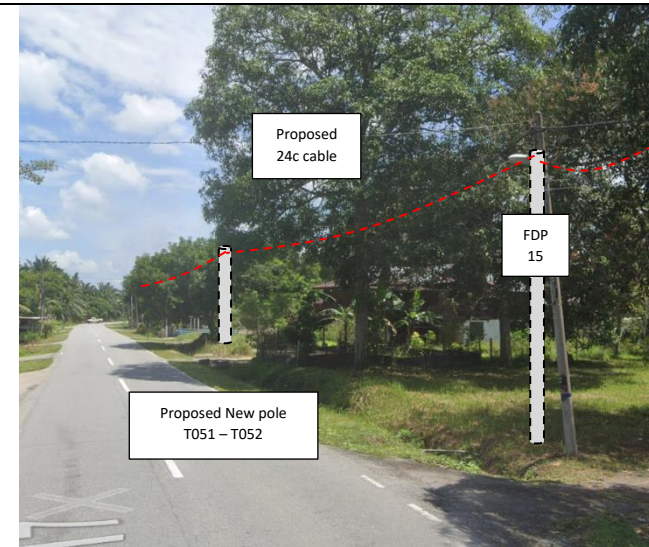
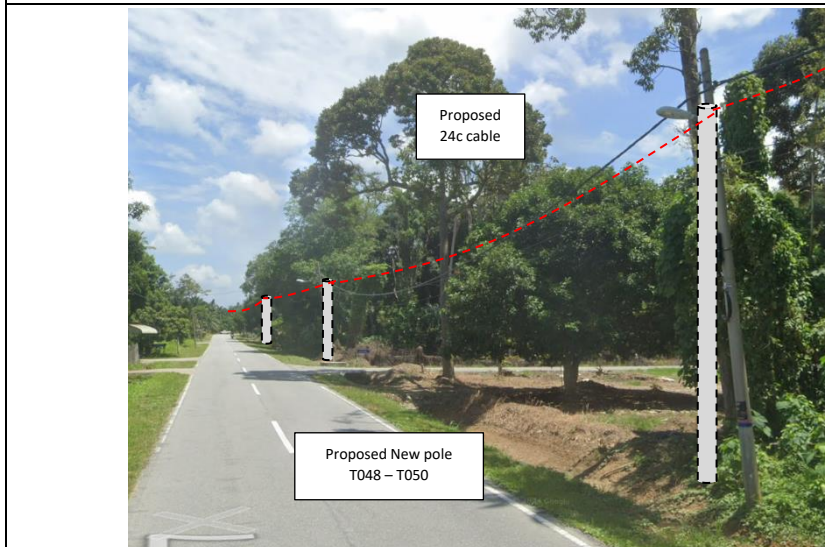
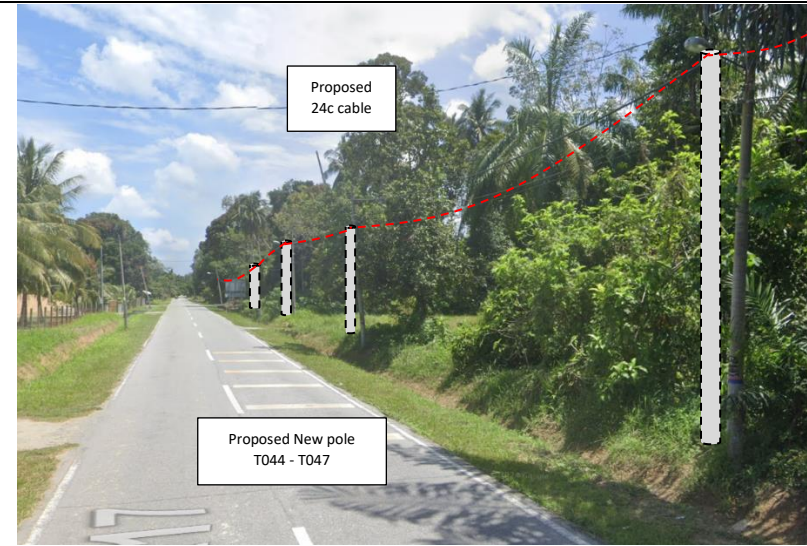
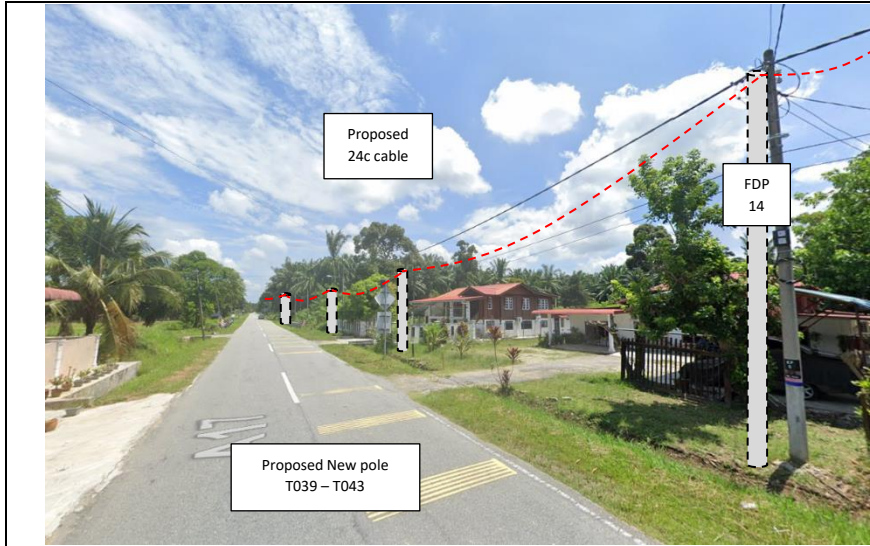
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90	T089	39.60	4.393896092	100.8937658	JKR Perak Tengah
91	T090	29.11	4.393754071	100.8939853	JKR Perak Tengah
92	T091	42.88	4.393551372	100.8943129	JKR Perak Tengah
93	T092	40.16	4.393333354	100.8946003	JKR Perak Tengah
94	T093	35.09	4.393143671	100.894852	JKR Perak Tengah
95	T094	40.61	4.392922215	100.8951419	JKR Perak Tengah
96	T095	48.38	4.392659103	100.8954877	JKR Perak Tengah
97	T096	35.00	4.392502495	100.8957604	JKR Perak Tengah
98	T097	39.86	4.392250901	100.8960152	JKR Perak Tengah
99	T098	33.79	4.392043724	100.8962371	JKR Perak Tengah
100	T099	28.51	4.391870323	100.8964256	JKR Perak Tengah
101	T100	57.19	4.391527647	100.8968084	JKR Perak Tengah
102	T101	44.27	4.39122557	100.8970671	JKR Perak Tengah
103	T102	40.42	4.390934051	100.8972836	JKR Perak Tengah
104	T103	47.96	4.390608574	100.8975658	JKR Perak Tengah
105	T104	35.72	4.390409774	100.8978177	JKR Perak Tengah
106	T105	38.35	4.390228003	100.8981103	JKR Perak Tengah
107	T106	44.53	4.390005478	100.8984428	JKR Perak Tengah
108	T107	39.15	4.389826773	100.8987457	JKR Perak Tengah
109	T108	49.30	4.389588334	100.8991189	JKR Perak Tengah
110	T109	42.48	4.389326	100.899396	JKR Perak Tengah
111	T110	49.21	4.389002408	100.8996972	JKR Perak Tengah
112	T111	52.34	4.3886529	100.9000117	JKR Perak Tengah
113	T112	51.06	4.388312111	100.9003186	JKR Perak Tengah
114	T113	38.37	4.388030367	100.9005173	JKR Perak Tengah
115	T114	38.82	4.387720752	100.9006777	JKR Perak Tengah
116	T115	39.59	4.387387626	100.9008023	JKR Perak Tengah
117	T116	41.80	4.387042428	100.9009501	JKR Perak Tengah
118	T117	38.87	4.386712255	100.9010638	JKR Perak Tengah
119	T118	34.86	4.386427139	100.9011934	JKR Perak Tengah
120	T119	37.10	4.386124267	100.9013324	JKR Perak Tengah

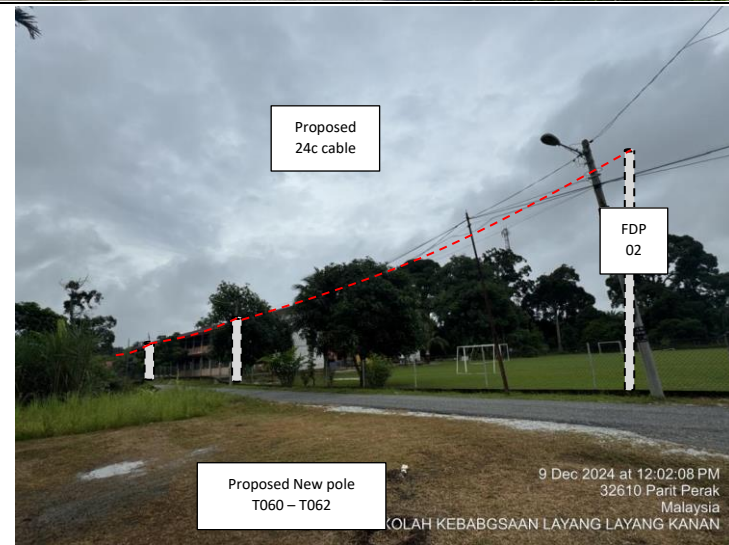
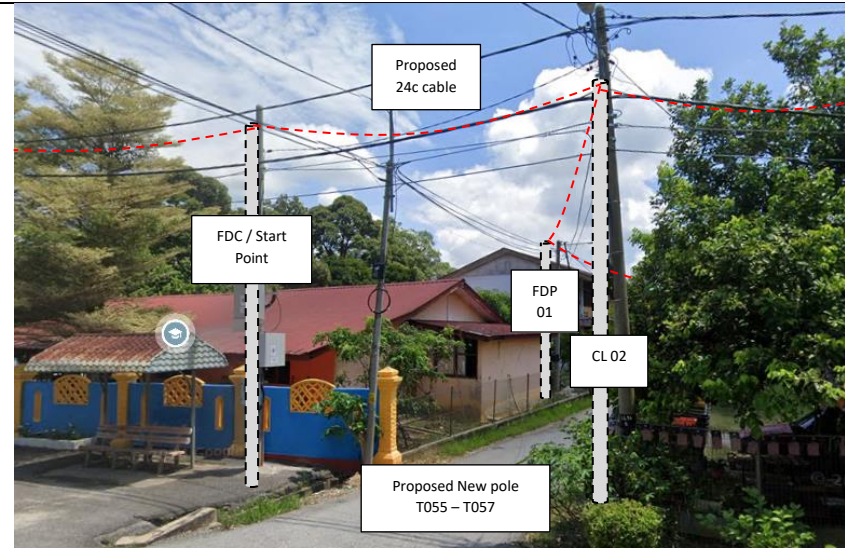
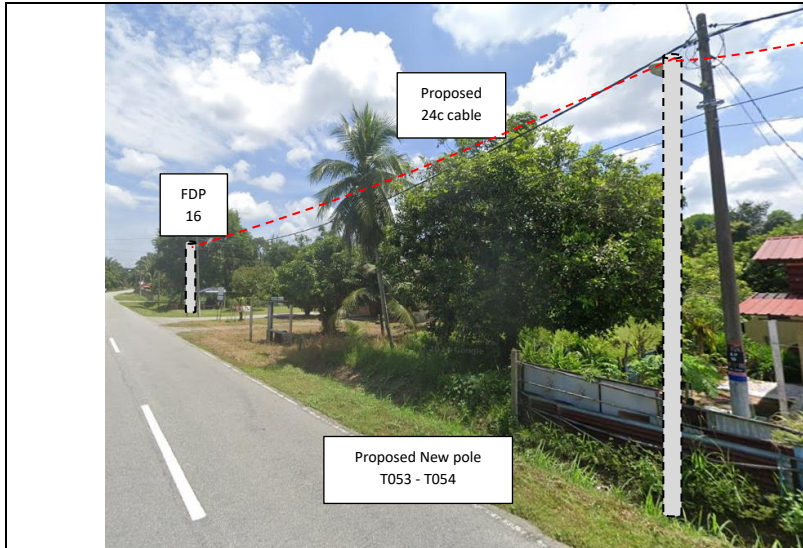
Site Photos – Proposed to install pole

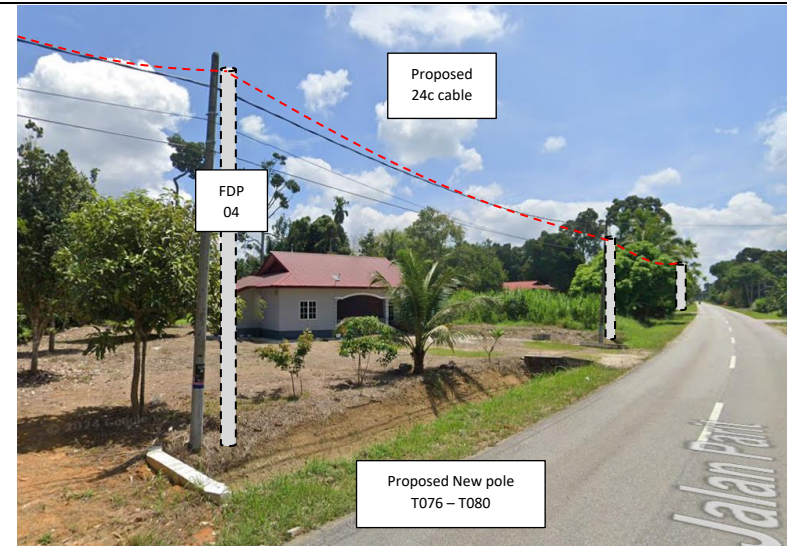
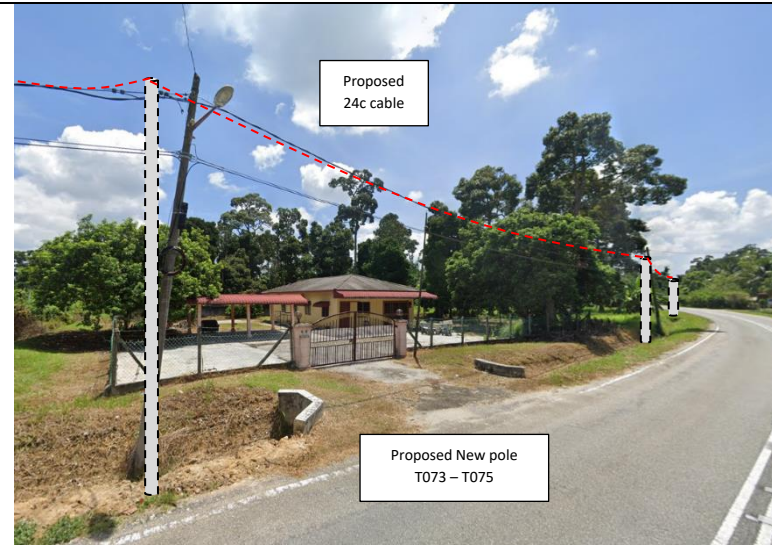
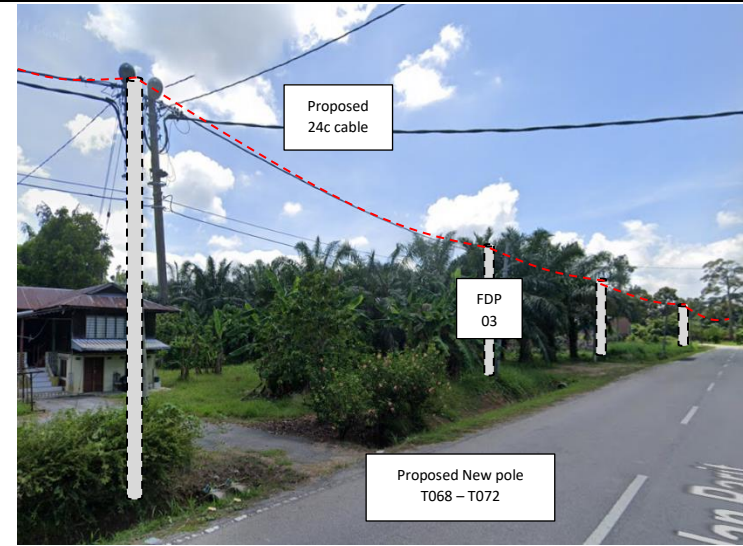
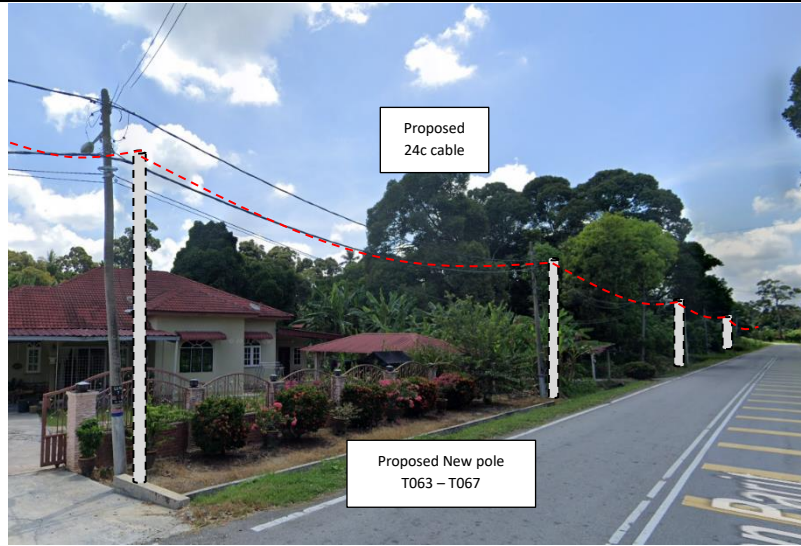


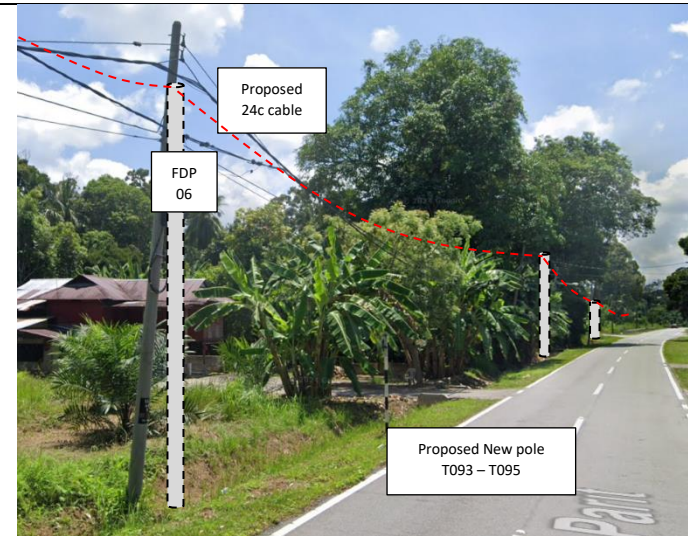
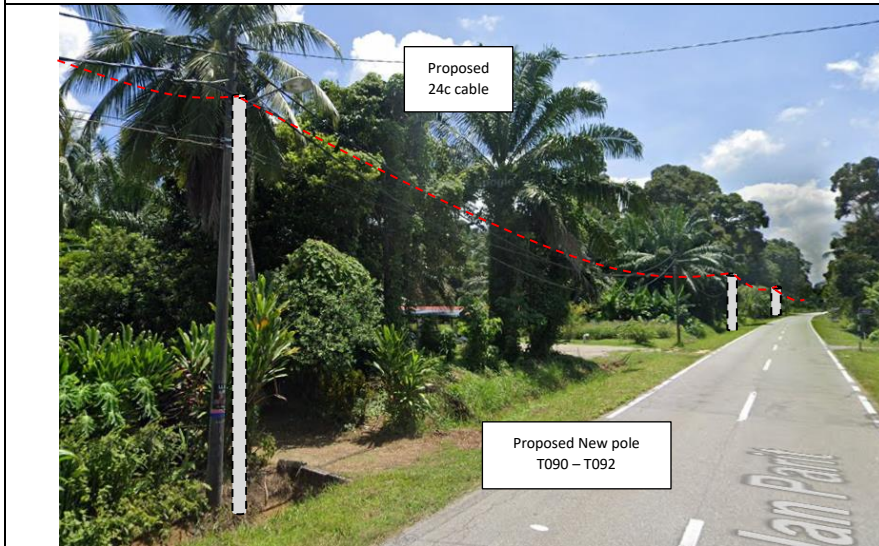
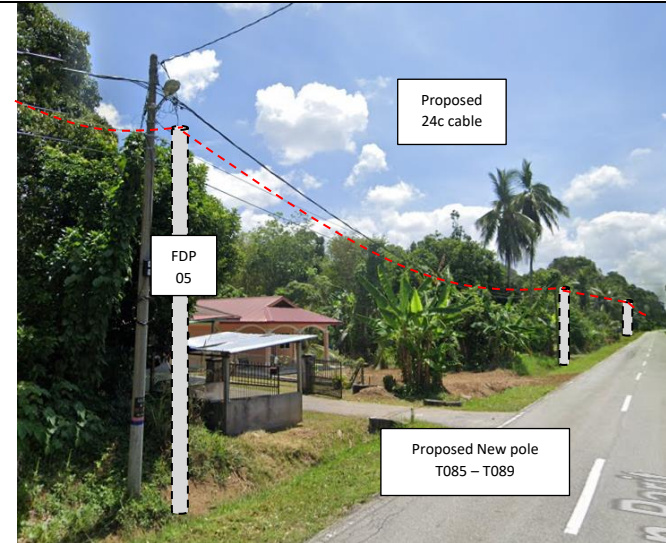
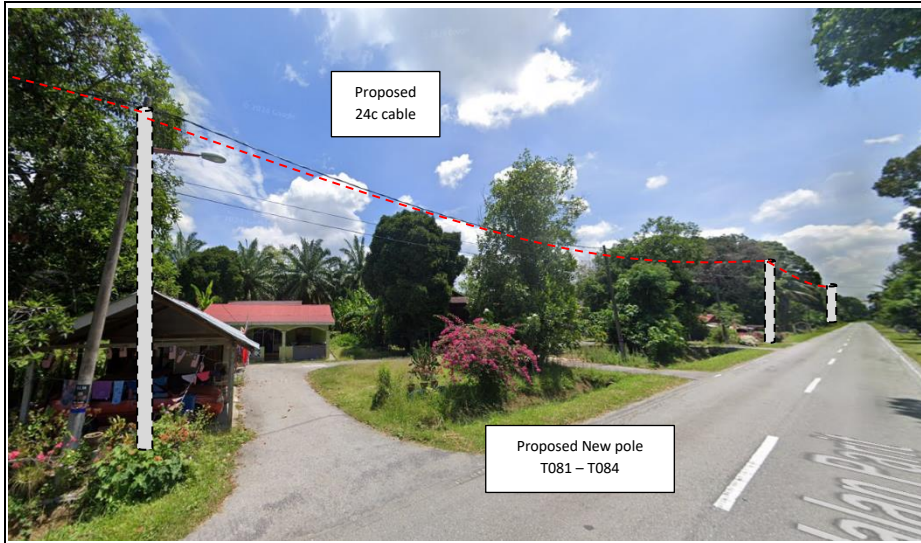


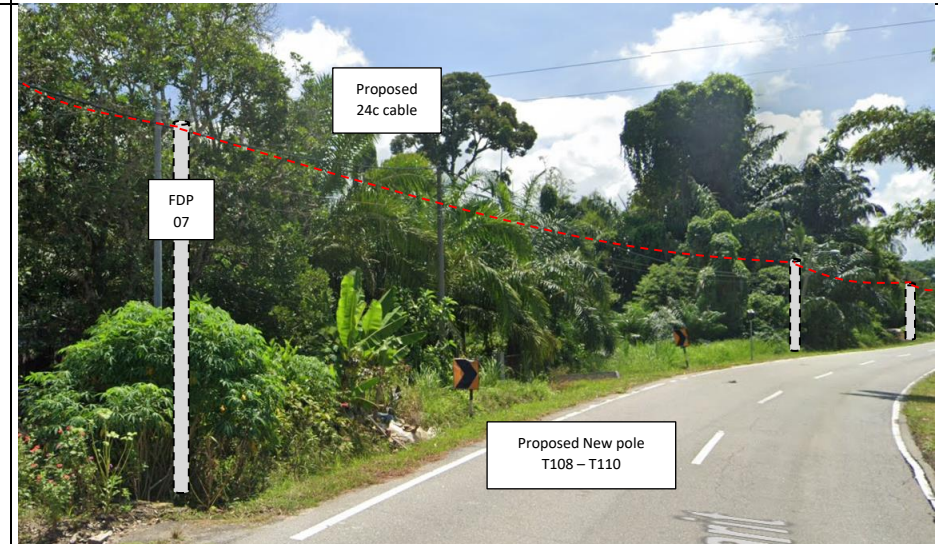
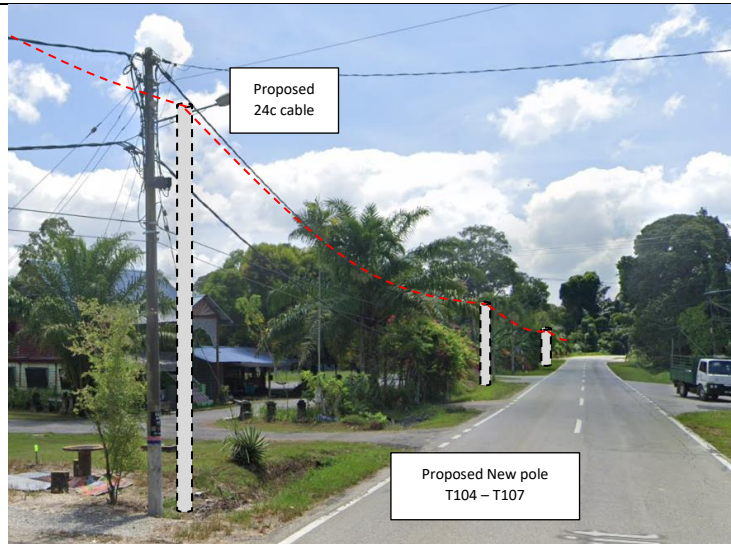
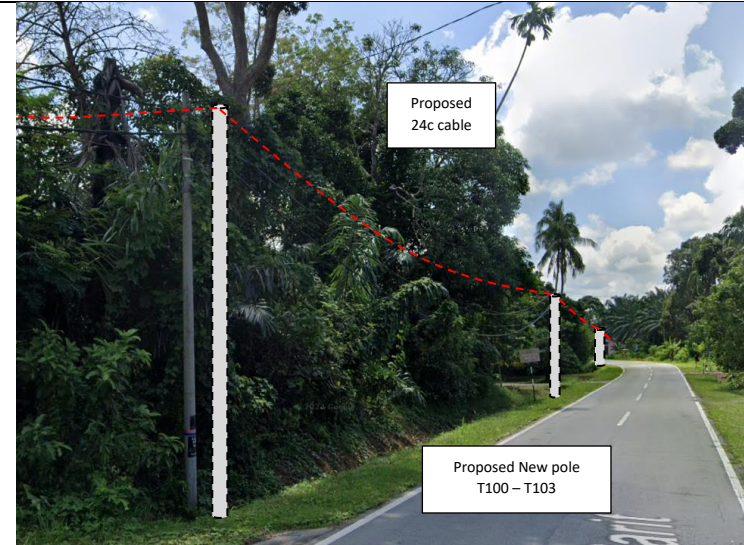
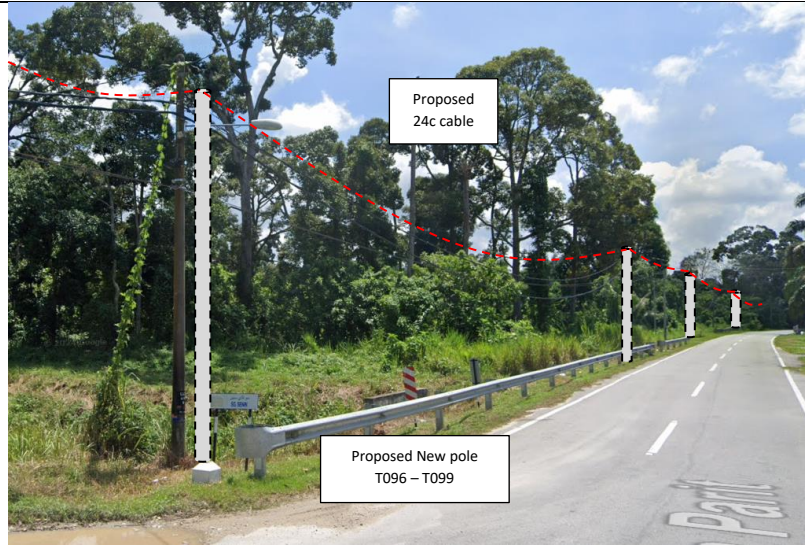


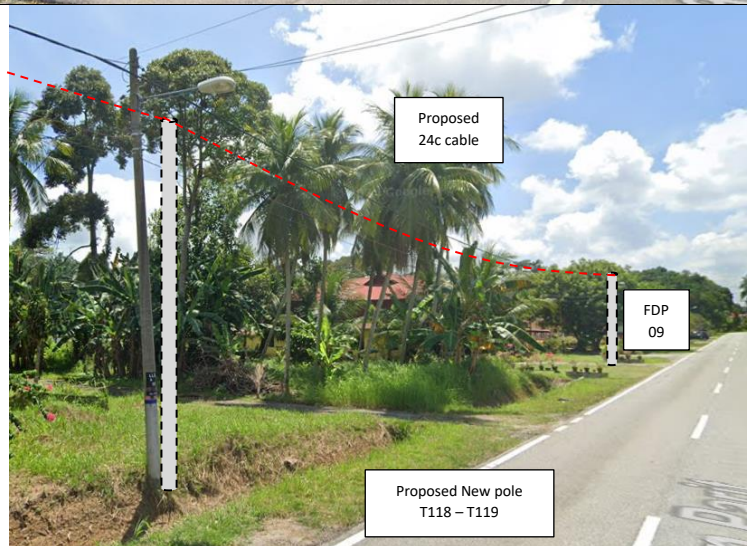
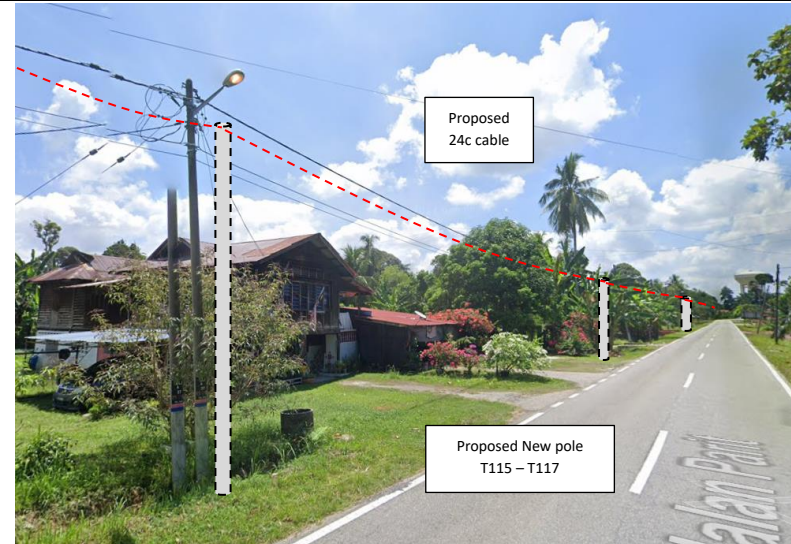
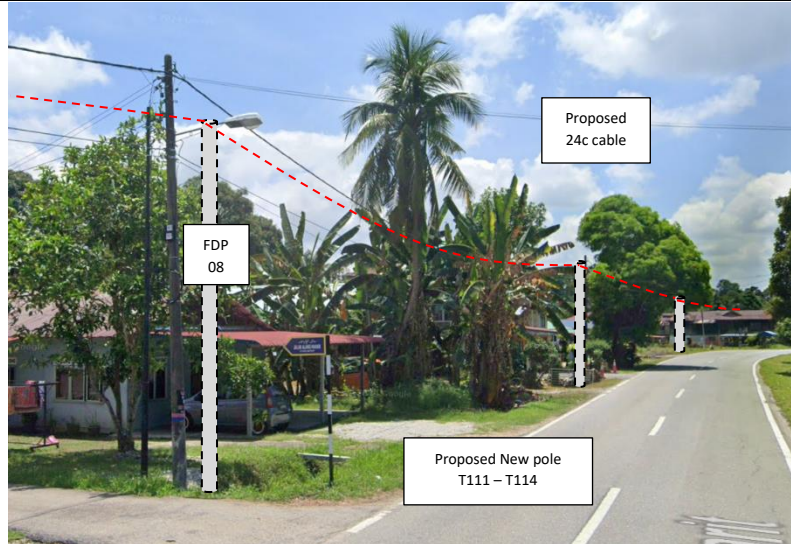












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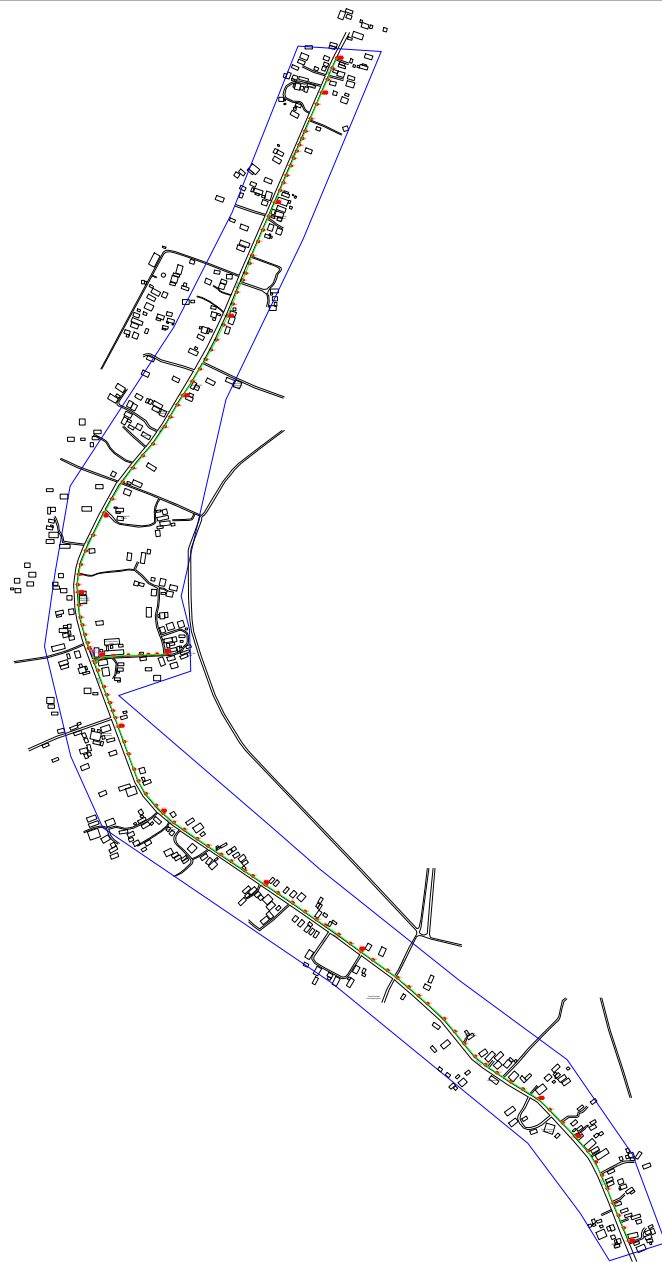


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



3rd Parties Dependencies

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



LEGEND	NOS.	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.
24C FOC	418	Installed Patch Cord		Installed Pole (7.5M)	120	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	2	Existing TNB Pole		FDP with (1:8) splitter	16	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 :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HAP SEANG,
52000 JALAN P. RAMLEE,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/3, TAMAN PUNCAK JAYA,
BANDAR PUTRA PERAI,
43300 SERI BEBERHANGA, SELANGOR
TEL: +603 8938 9923
E-MAIL : info@wcwlcommunications.com.my

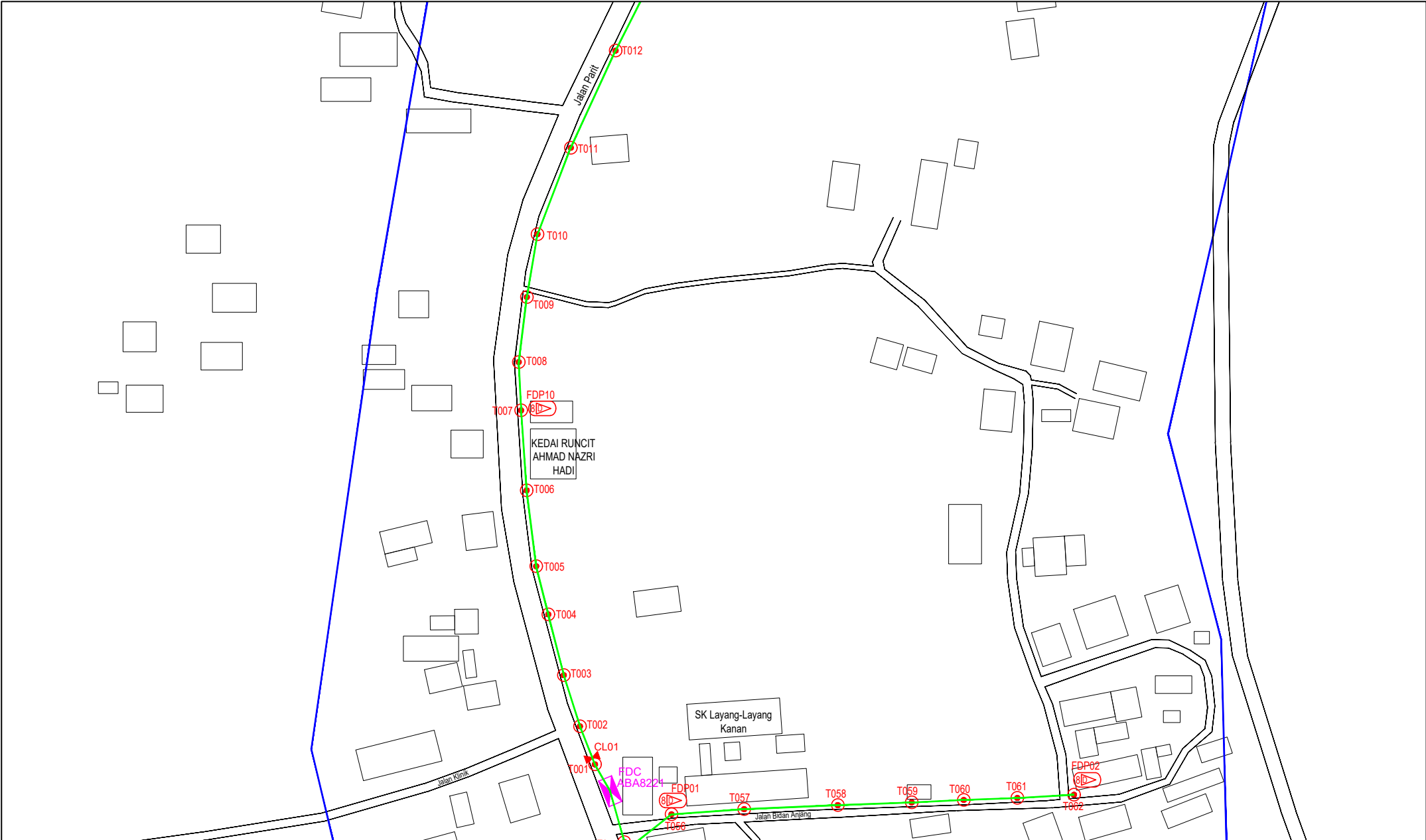
PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING
AB8221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : AB8221-ABD-01	Sheet : 1/11
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Size : A3	



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	BE30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.			
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	CE7	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	16	HDD (Meter)	#	Active Outdoor Cabinet	CL01	Closure NO.		
144C FOC	Existing Closure	Installed Riser	Existing Manhole		Open Cut (Meter)	CO1	FDC NO.	DP1	FDP NO.		

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



MAIN CONTRACTOR :

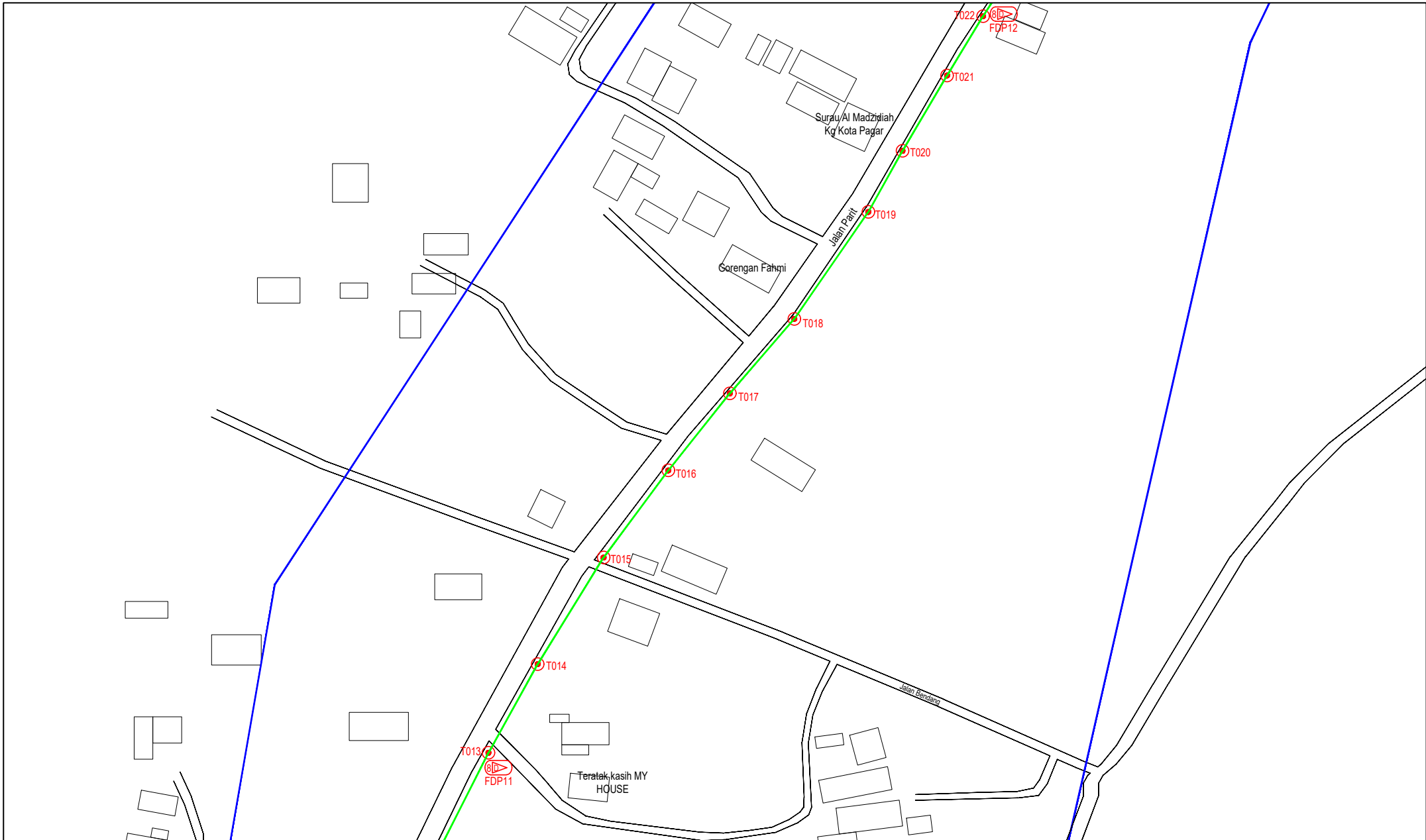
PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING ABAB221 SEKOLAH KEBANGSAAN LAYANG-LAYANG KANAN

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-01A	Sheet : 2/11
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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	ES30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.	
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	ES7	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	16	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 :


POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HAP SDG,
80200 JALAN P. PAKEZ
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/4, TAMAN PUNCAK JAL,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 8958 9963
E-MAIL : info@wcwlcommunications.com.my

PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

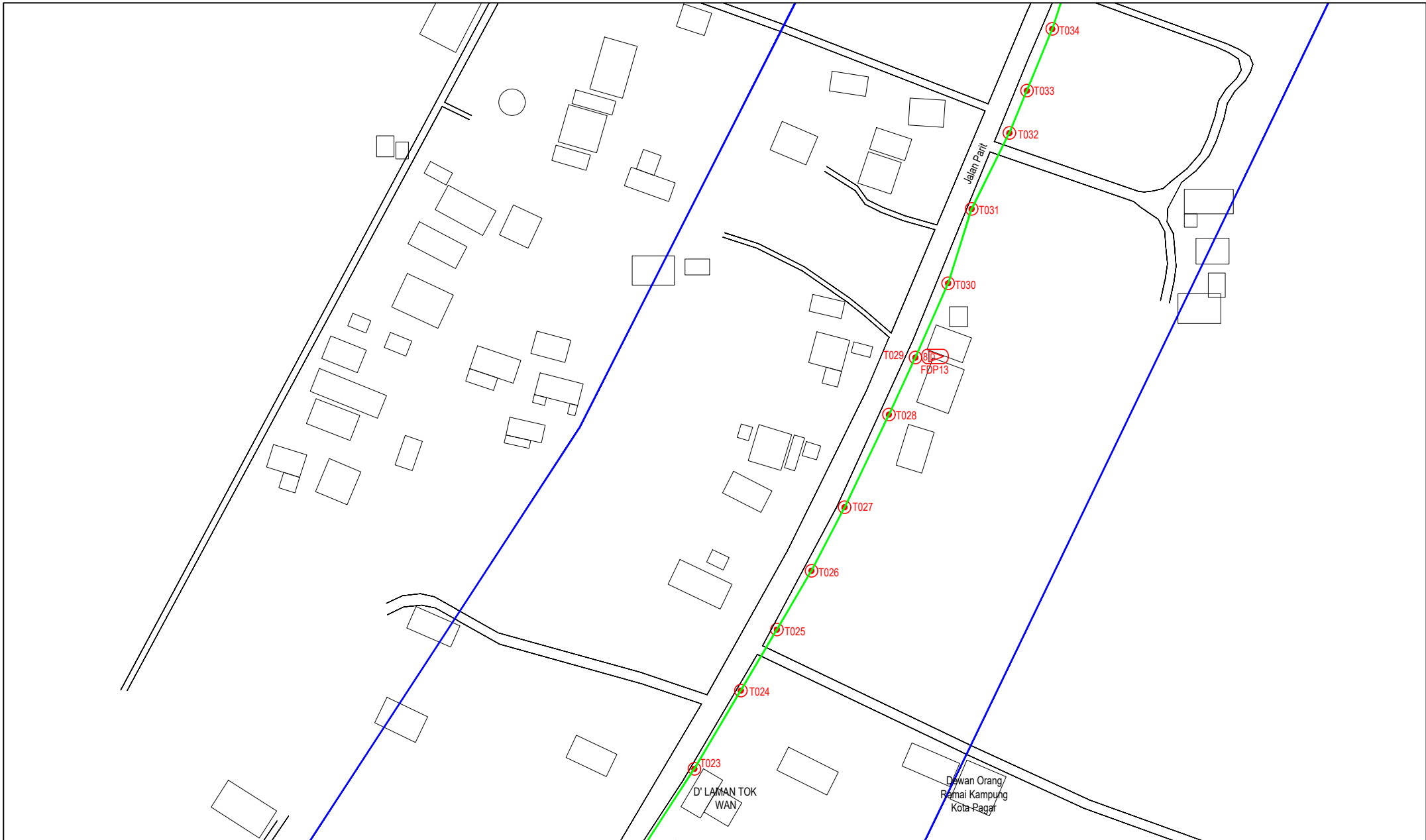
DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABAB221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

PROJECT PHASE:

POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-01B	Sheet : 3/11
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Size : A3	



LEGEND	NOS.	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)	MHI	MH NO.			
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	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	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 :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, BERKAS IMP SDNG,
52225 JALAN P. RAJAZ,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
WCWL COMMUNICATIONS SDN BHD
127, JALAN PUJ 3/3, TAMAN PUNCAK JAL,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 9338 3363
E-MAIL : info@wcwlcommunications.com.my

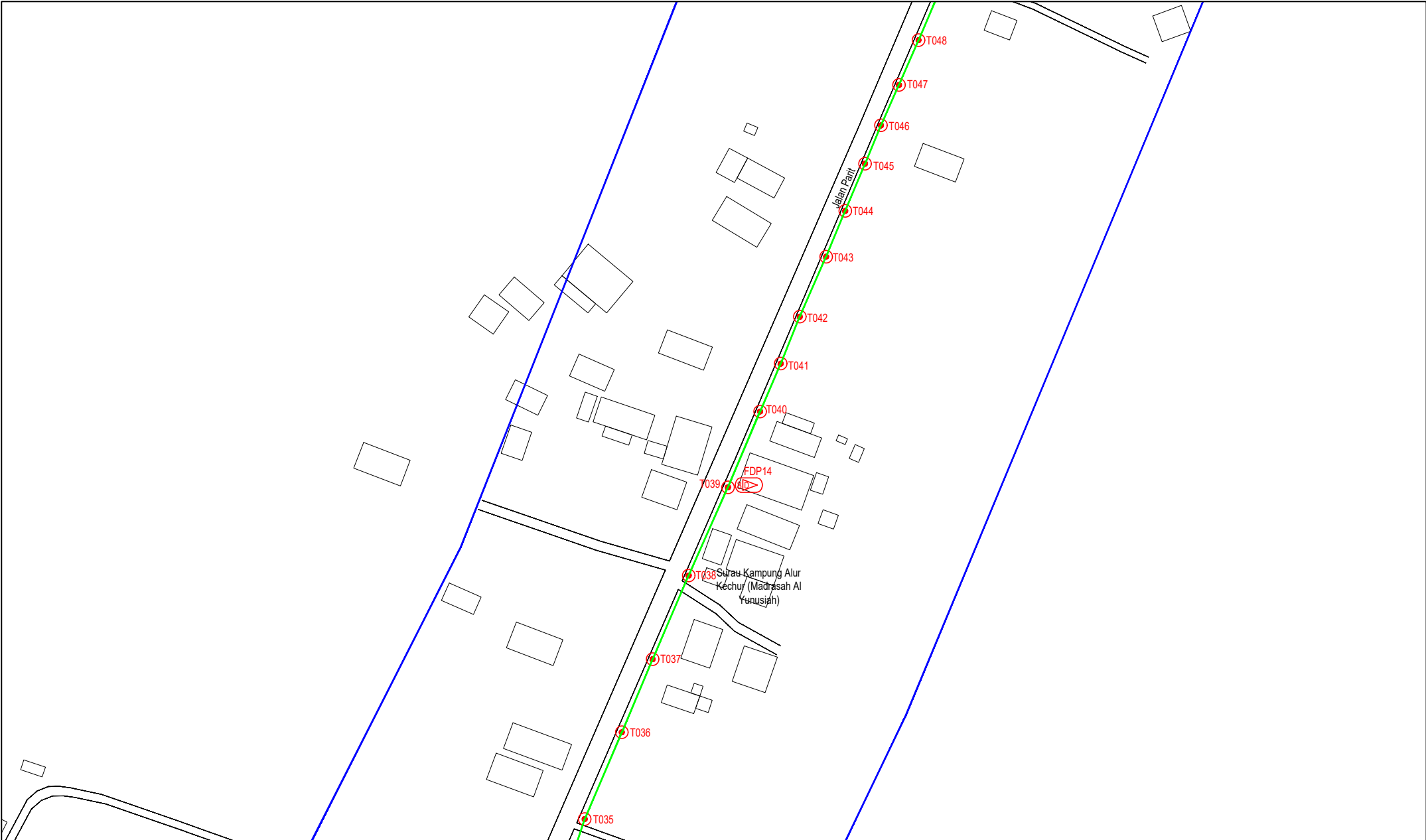
PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING
ABAB221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-01C	Sheet : 4/11
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Size : A3	



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	MS0	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.		
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	MS7	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	16	HDD (Meter)	#	CL01	Closure NO.		
144C FOC	Existing Closure	Installed Riser	Existing Manhole		Open Cut (Meter)	001	DP1	FDP NO.		

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HAP SDN, 82220 JALAN P. PAKLEK, KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNCAK JAYA, WISATA PUTRA PERMA, 43300 SERI KEMBANGAN, SELANGOR
TEL : +603 9388 5963
E-MAIL : info@wcwlcommunications.com.my

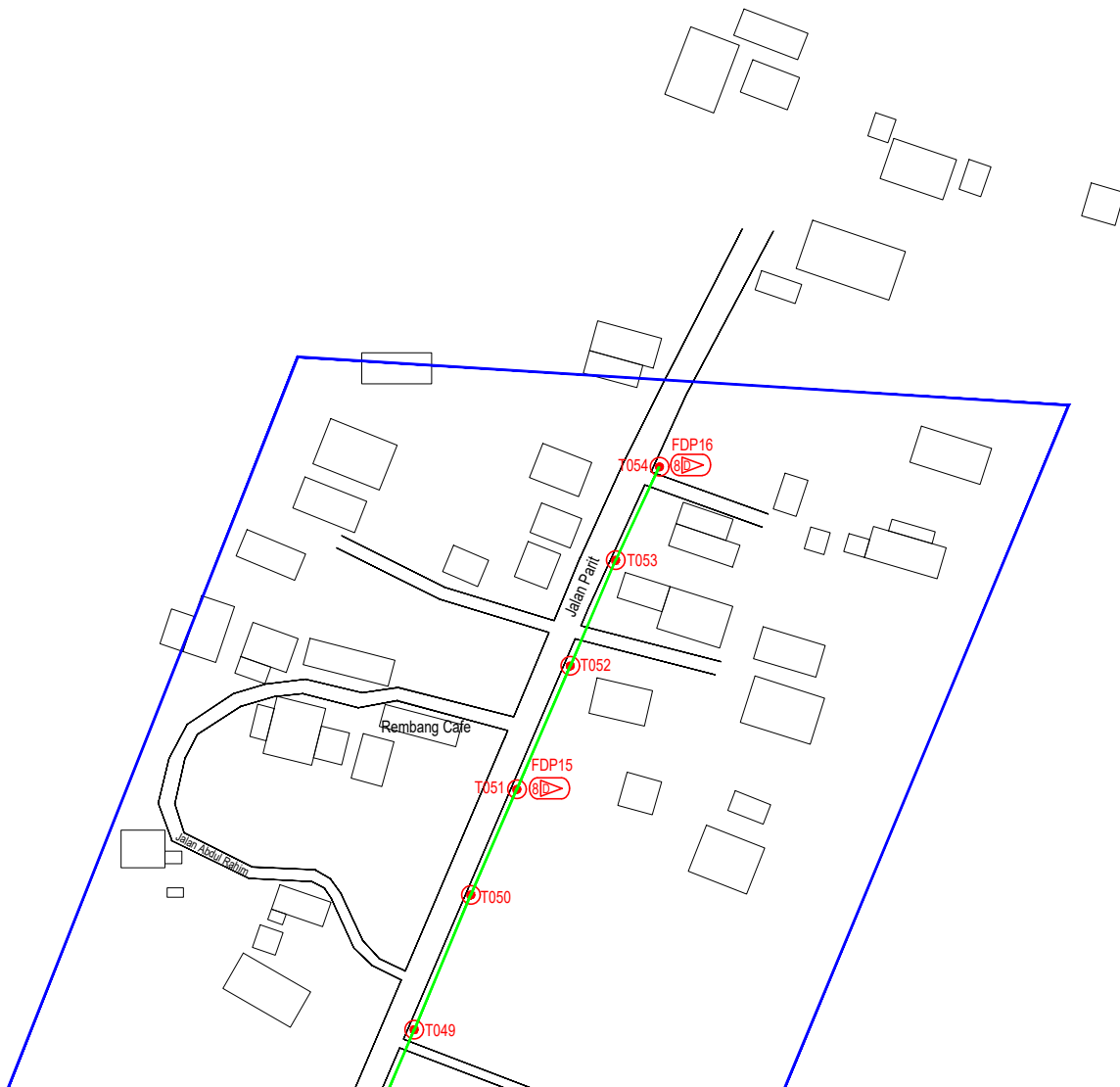
PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING ABAB221
SEKOLAH KEBANGSAAN LAYANG-LAYANG KANAN

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-01D	Sheet : 5/11
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Size : A3	




LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	MS30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.			
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	MS7	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	16	Existing Manhole	#	CL01	Closure NO.			
144C FOC	Existing Closure	Installed Riser	Existing Manhole			001	DP1	FDP NO.			

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HAP SENGA,
52250 JALAN P. RAJALEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
122, JALAN PAU 3/3, TAMAN PUNCAK JAL,
PANDAN PUTRA, PERAK,
32300 SERI KEMBANGAN, SELANGOR
TEL: +603 9288 8883
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

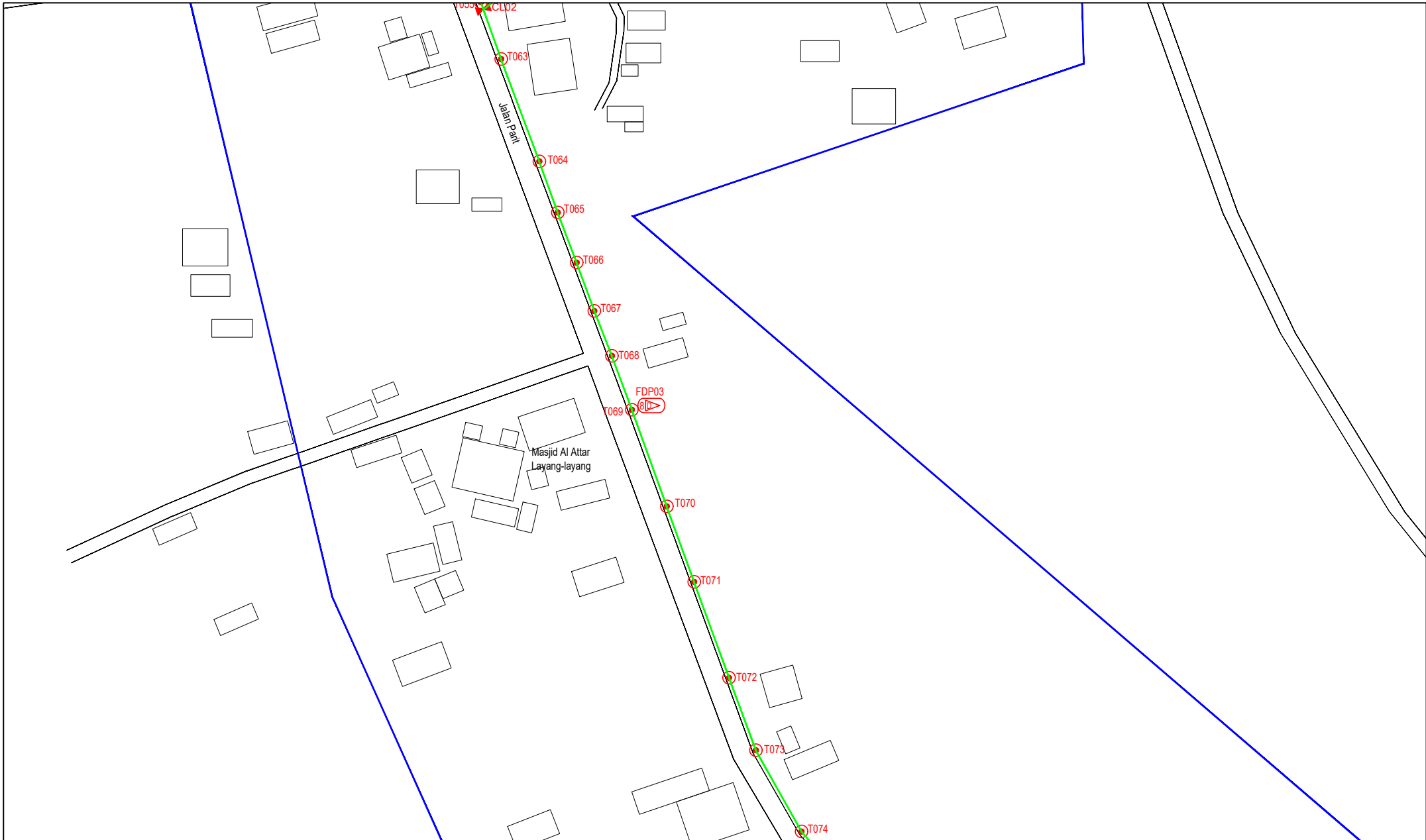
DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABAB221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

PROJECT PHASE:

POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-01E	Sheet : 6/11
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Size : A3	



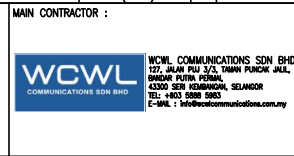
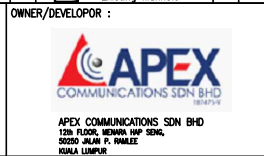
LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	BS30 New Manhole (PIT)	Micro-Trenching (Meter)	MH1 MH NO.					
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	CS7 New Manhole(JRC7)	Temporary Infra (Meter)	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	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 :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



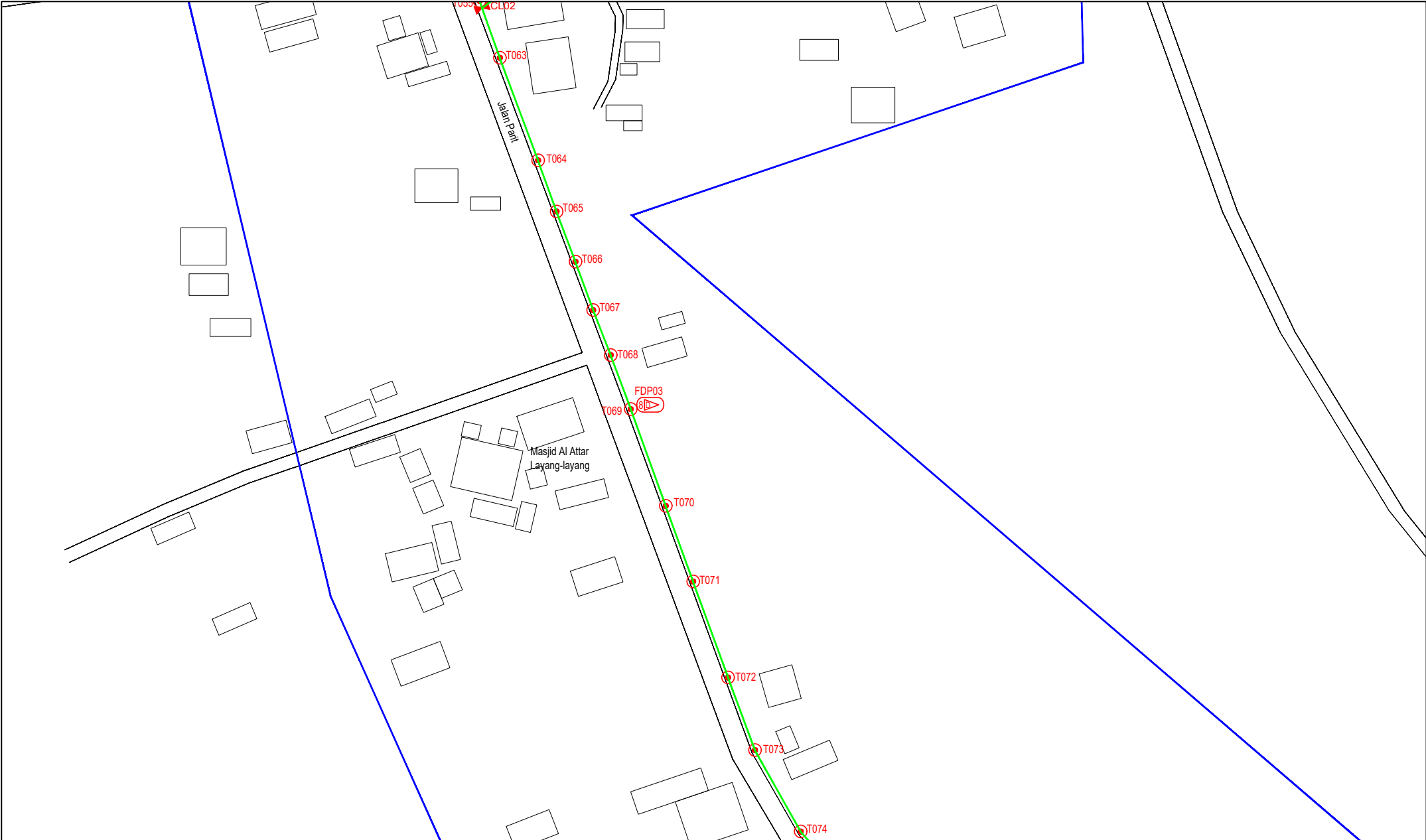
MAIN CONTRACTOR :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

PROJECT TITLE :

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING
AB8221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : AB8221-ABD-01F	Sheet : 7/11
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.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	MS30 New Manhole (PIT)	Micro-Trenching (Meter)	MH1 MH NO.				
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	MS7 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	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 :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HIP STAR,
50250 JALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUJ 3/3, TAMAN PUNCAK JAYA,
PUSAT PUTRA PERANG, 43300 SERI KEMBANGAN, SELANGOR
TEL : +603 9388 5963
E-MAIL : info@wcwlcommunications.com.my

PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING ABAB221 SEKOLAH KEBANGSAAN LAYANG-LAYANG KANAN

PROJECT PHASE: POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-01G	Sheet : 8/11
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Size : A3	

Design By : ENGINEER

Date : DEC 2024

Drawn By : CAD ENGINEER

Scale : NOT TO SCALE

Checked By : ENGINEER

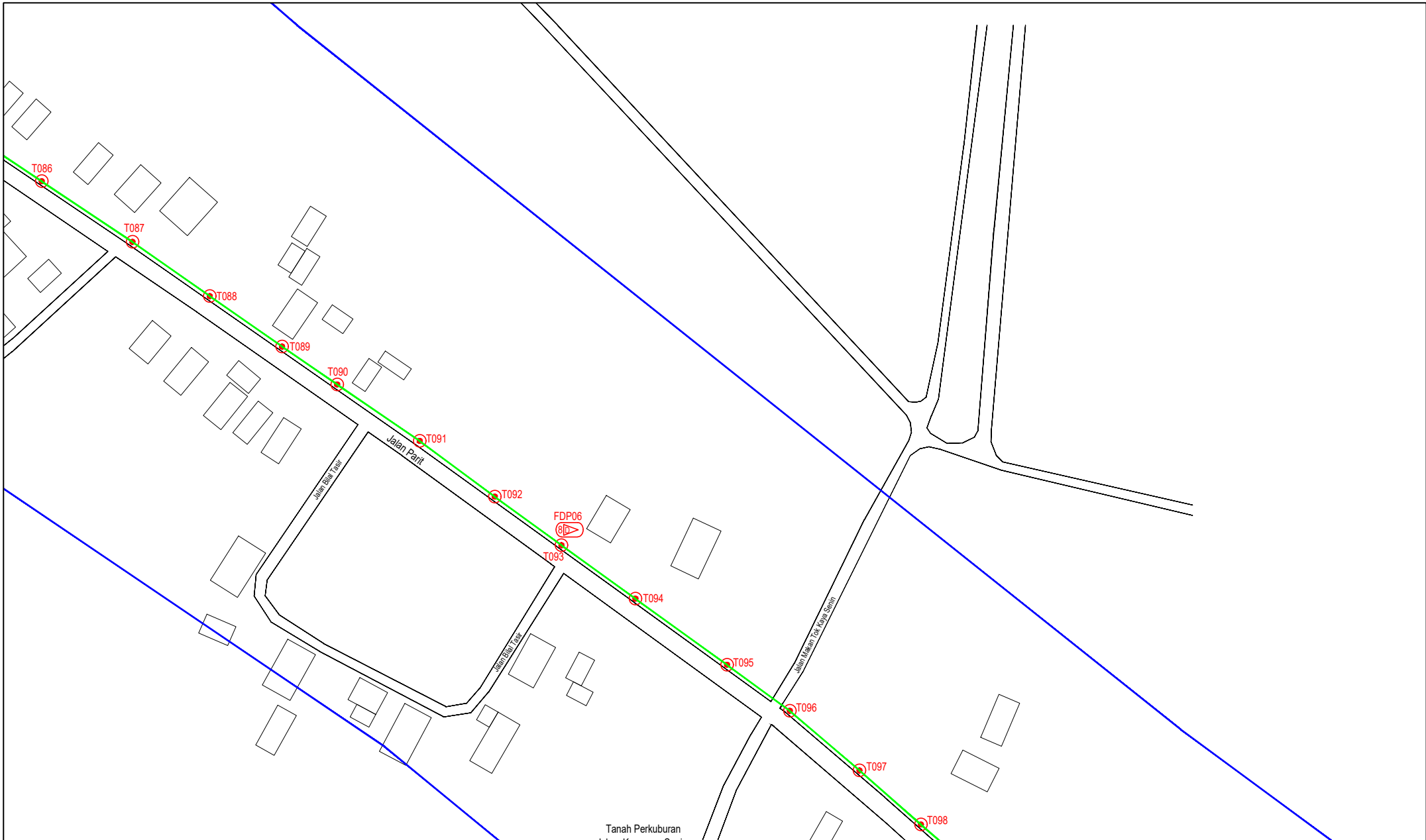
Job Number : 1

DRAWING NUMBER : ABAB221-ABD-01G

Sheet : 8/11

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Size : A3



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	1	Installed 1:4 / 1:8 / 1:32 splitter	1	Installed Pole (9m)	1	Suspension	1	New Manhole (PIT)	1
24C FOC	1	Installed Patch Cord	1	Installed Pole (7.5M)	1	Tension	1	New Manhole(JRC7)	1
48C FOC	1	FDC	1	Installed Pole (6.7M)	1	Pole Ring	1	FDP Boundary	1
96C FOC	1	Closure	2	Existing TNB Pole	1	FDP with (1:8) splitter	16	HDD (Meter)	1
144C FOC	1	Existing Closure	1	Installed Riser	1	Existing Manhole	1	Open Cut (Meter)	1
								Micro-Trenching (Meter)	1
								Temporary Infra (Meter)	1
								Loop / Coil (Meter)	1
								Active Outdoor Cabinet	1
								FDC NO.	1
								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/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HAP SDN BHD,
82220 ALAM 9, PALEK,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNDAJ JAL,
BANDAR PUTERI PRIMA,
43300 SENI KEBANGSAAN, SELANGOR
TEL: +603 5888 5883
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

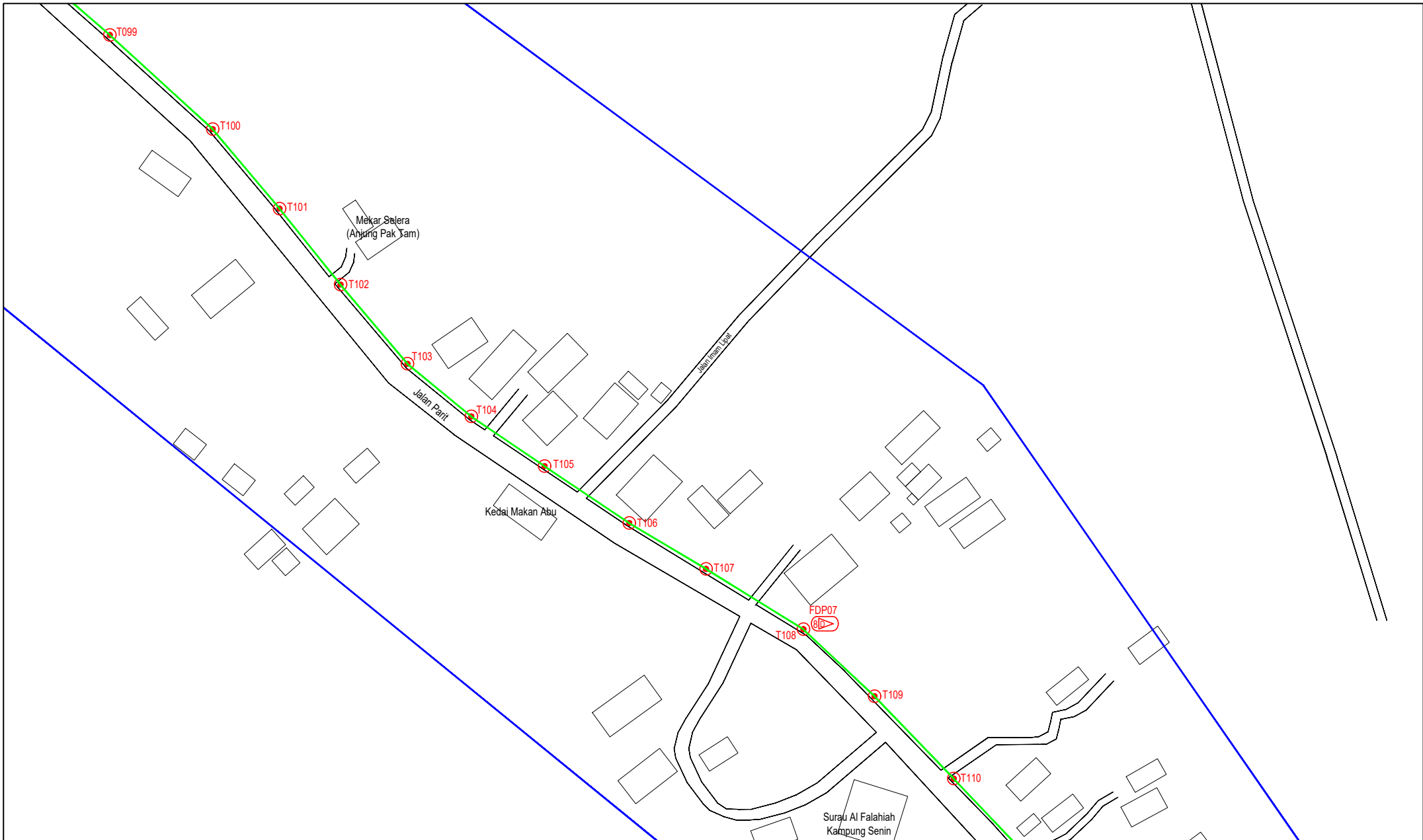
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING ABAB221
SEKOLAH KEBANGSAAN LAYANG-LAYANG KANAN

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-01H	Sheet : 9/11
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Size : A3	



LEGEND	NOS.	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	418	Installed Patch Cord		Installed Pole (7.5M)	120	Tension		New Manhole(JRC7)		Temporary Infra (Meter)
48C FOC		FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)
96C FOC		Closure	2	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)		Active Outdoor Cabinet
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		FDC NO.
										MHI 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/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MEWARA HWP BANG.
92020 JAJAN 11, PAKEJ
KUALA LUMPUR

MAIN CONTRACTOR :

WGWL COMMUNICATIONS SDN BHD
127, JALAN PUI 3/3, TAMAN PUNCAK JAYA,
SEKELAH PUTRA, PERAK,
43200 SERI KEMBANGAN, SELANGOR
TEL: +603 8988 5888
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PROJECT TITLE :

CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABAB221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB221-ABD-11	Sheet : 10/11
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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.		
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	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	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 :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
1201 FLOOR, MENARA WAP SENANG,
50250 ALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUJ 3/5, TAMAN PUSKOP JALAN
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