

TECHNICAL PROPOSAL POP2 ABA8207 SEKOLAH KEBANGSAAN PASIR GAJAH (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	:	16/12/2024



POINT A

POINT B

Starting Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN PASIR GAJAH
Address	:	Jalan Sekolah, Kampung Pasir Gajah
District	:	Parit
Postcode	:	32800
State	:	Perak
GPS Coordinate	:	4.443314, 100.899917
LRD	:	A

End Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN PASIR GAJAH
Address	:	Jalan Tanjung Belanja
District	:	Parit
Postcode	:	32800
State	:	Perak
GPS Coordinate	:	4.418752, 100.886298
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	60
2	Carriage Way Open trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro trenching (MT)	m	0
	Total		60

	Other Information	Unit	Qty
1	Proposed Manhole	EA	2
2	Proposed Pole	EA	138
3	Joint Closure	EA	2
4	Estimated time required for completion	days	30



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Local Authority Summary

1. Daerah Perak Tengah

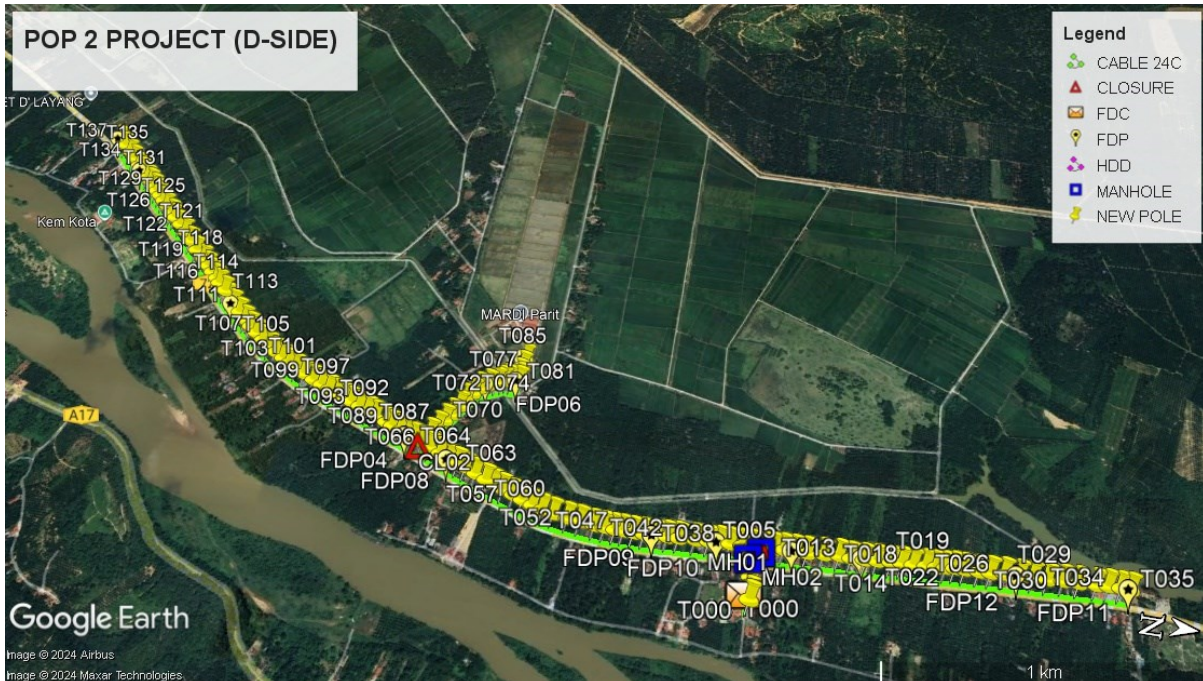
Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	1	60m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	114pcs	4455m
		Majlis	24pcs	690m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				5205m

Site Plan – KMZ (Overview site area)

Proposed FDP and Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)

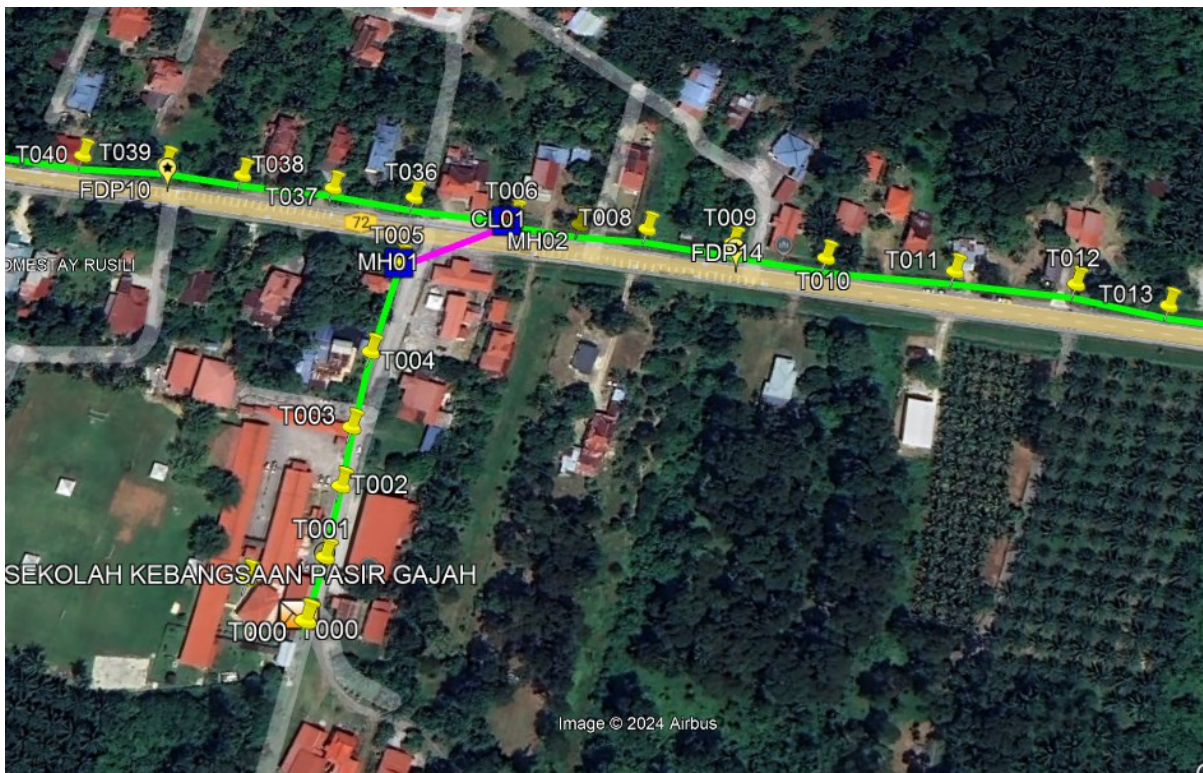
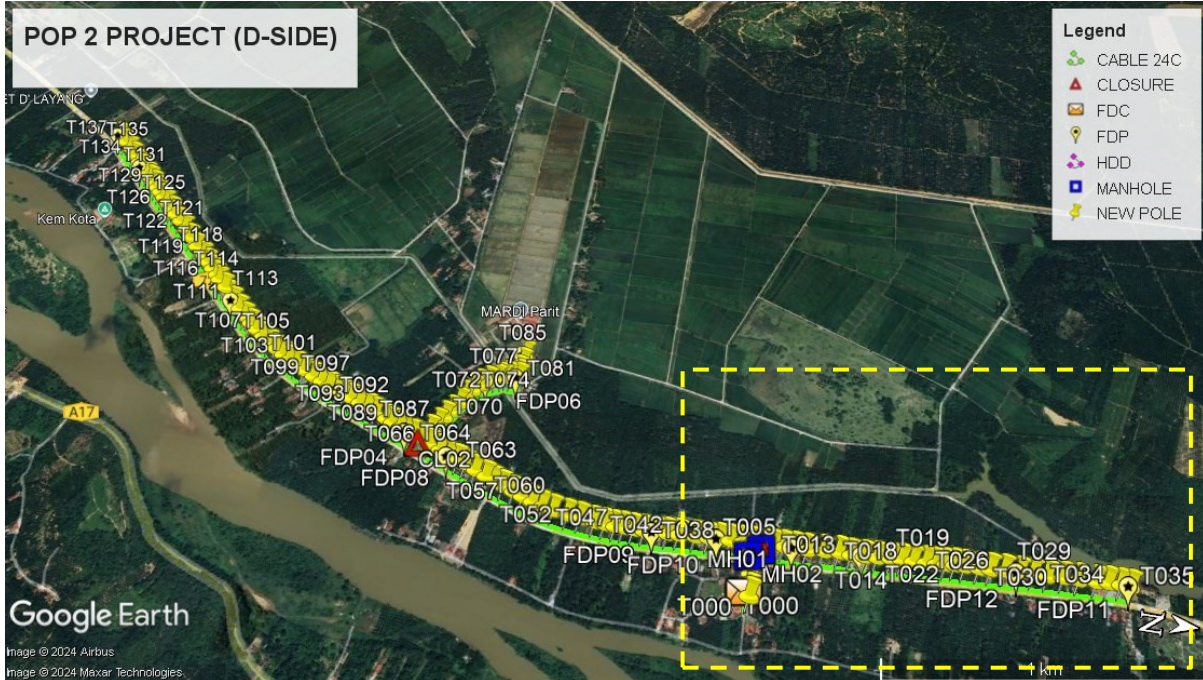


Red – JKR Perak

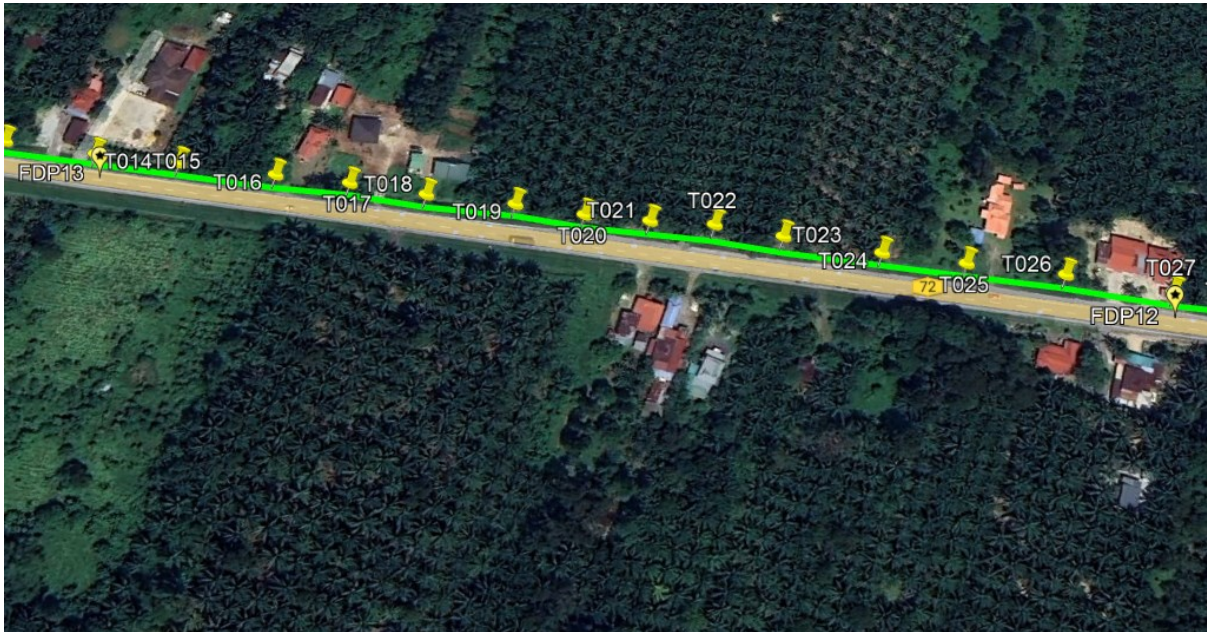
Blue - Majlis Perbandaran Perak Tengah

Site Plan – KMZ Routing (All site area)

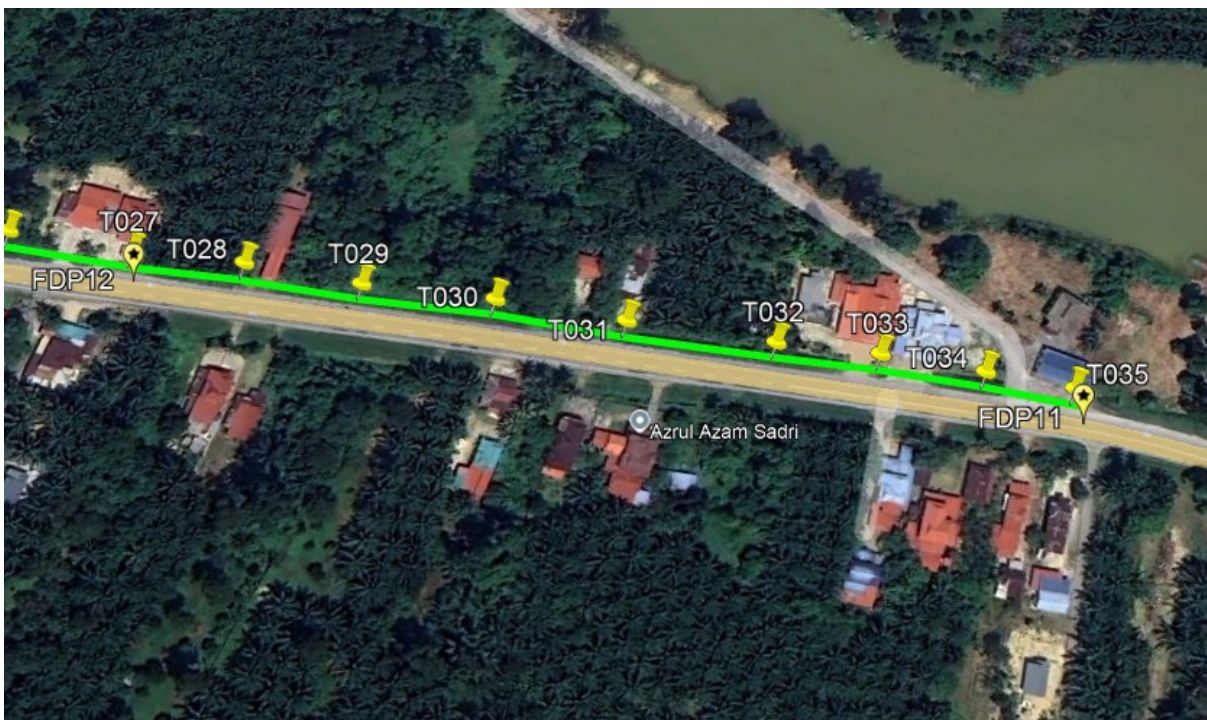
Route 1



Route 1.1

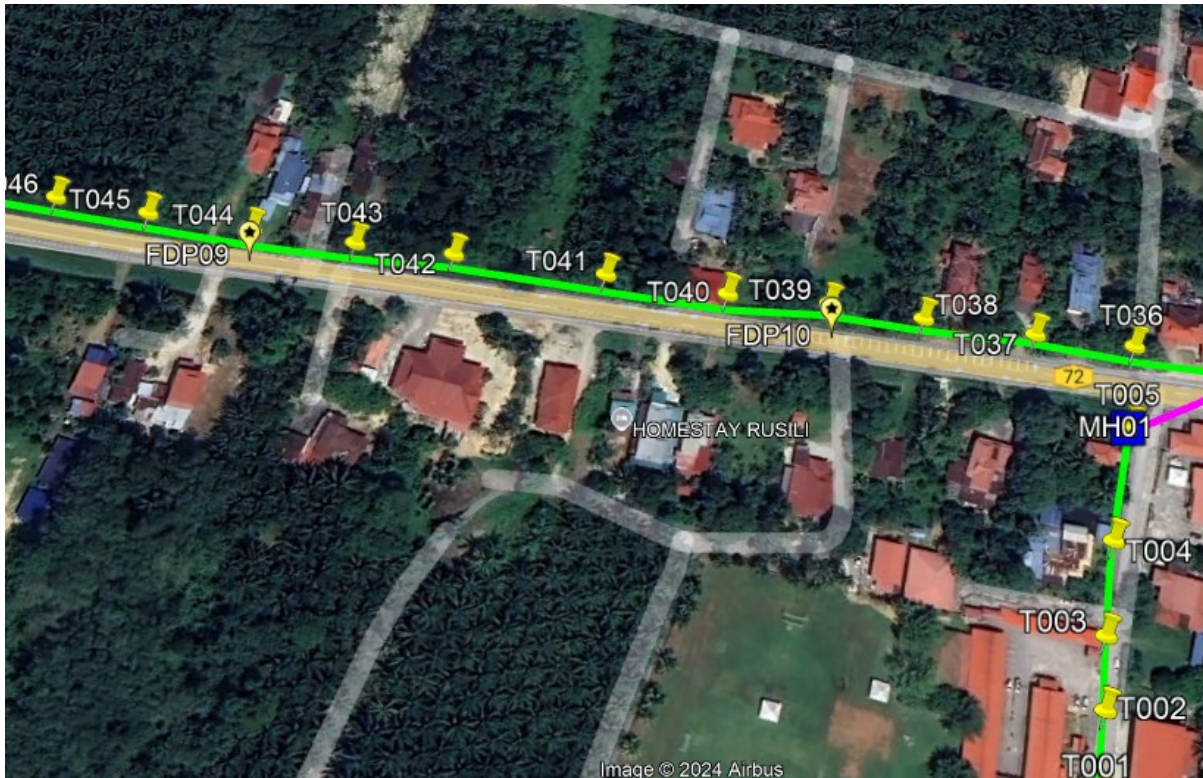
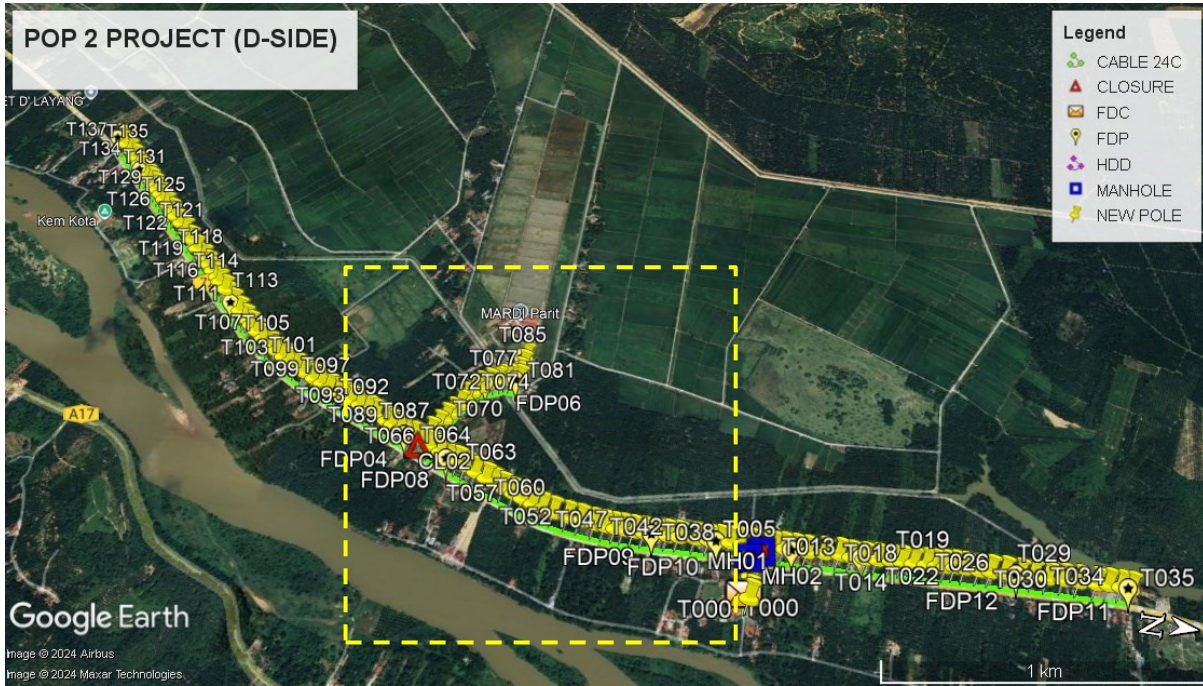


Route 1.2

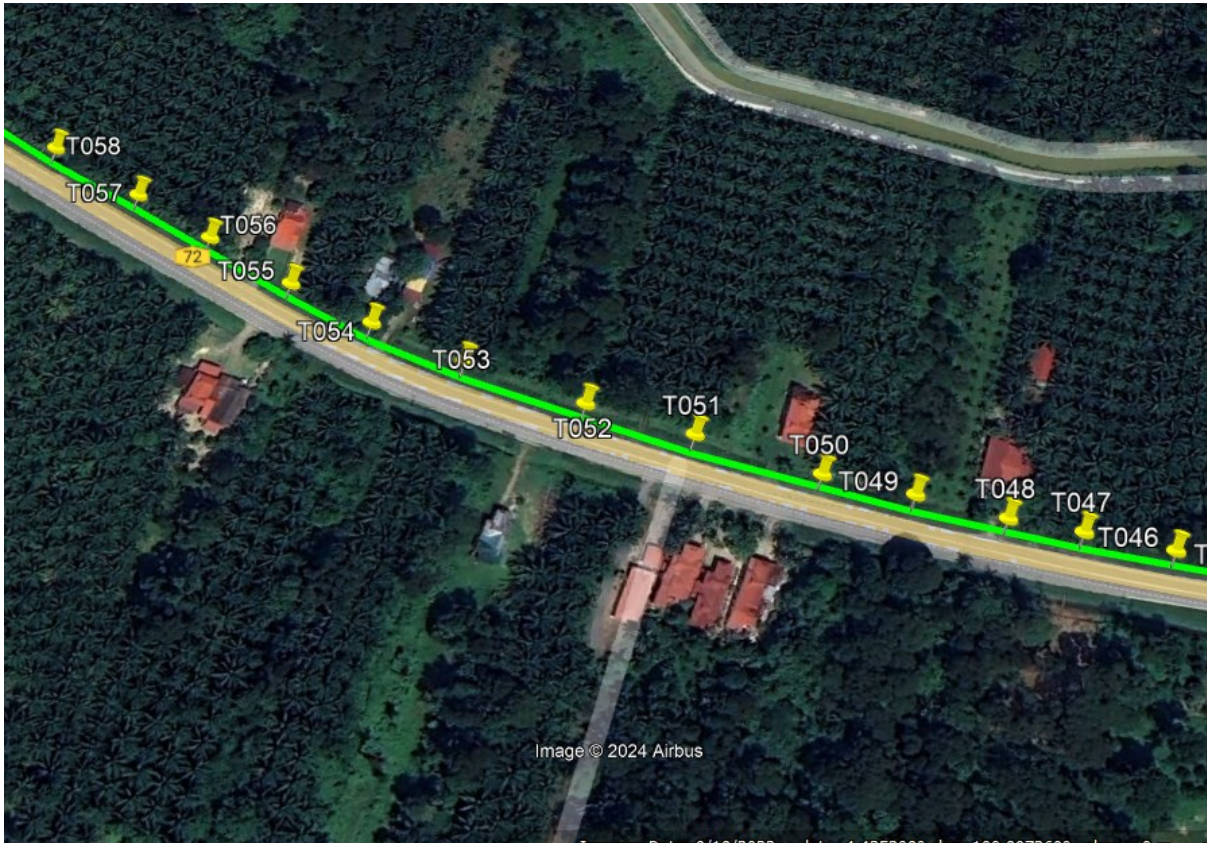


Route 1.3

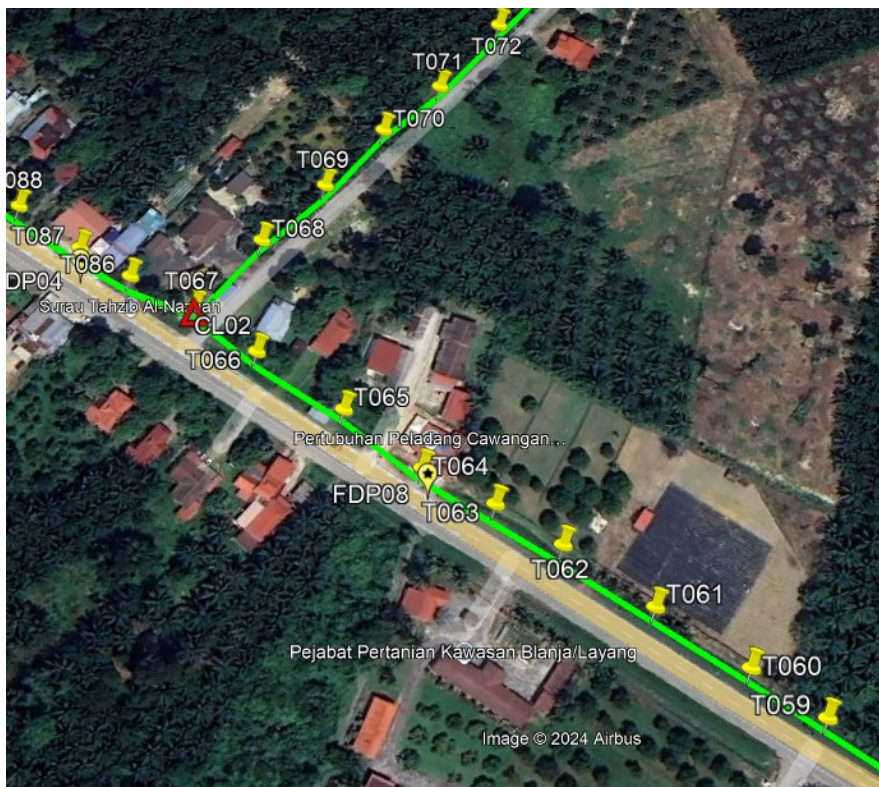
Route 2



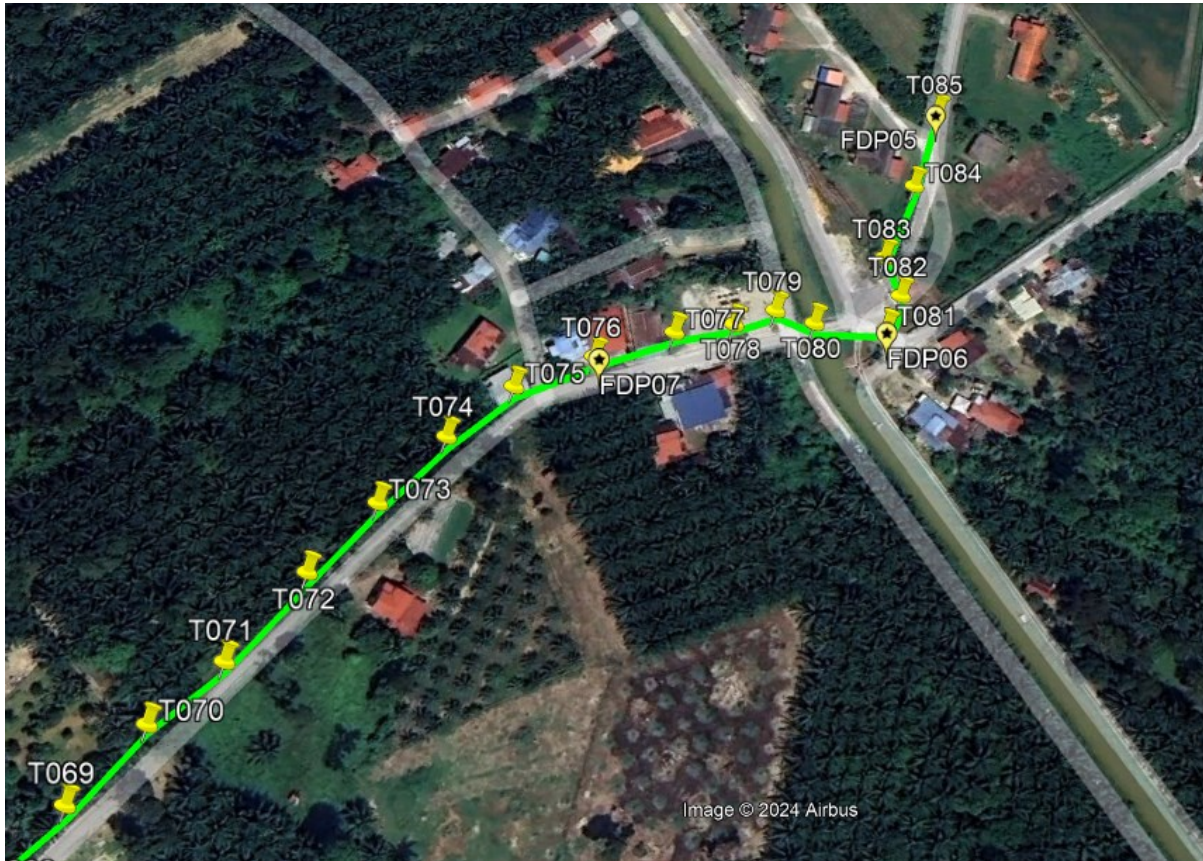
Route 2.1



Route 2.2

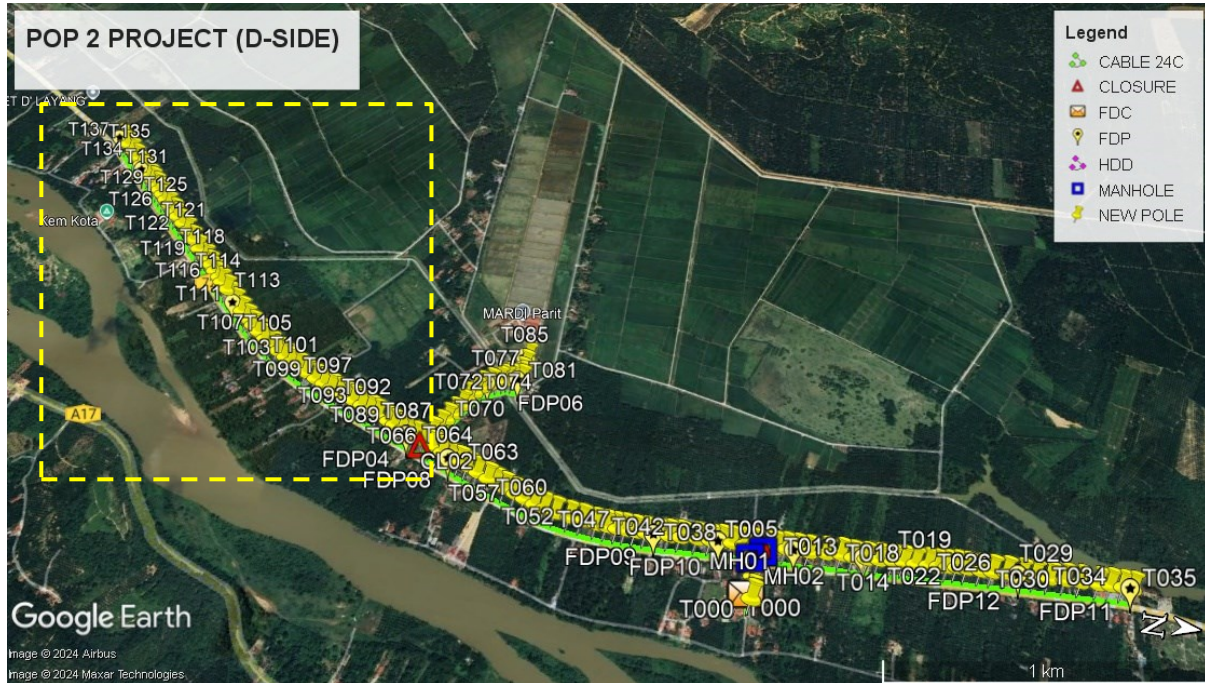


Route 2.3

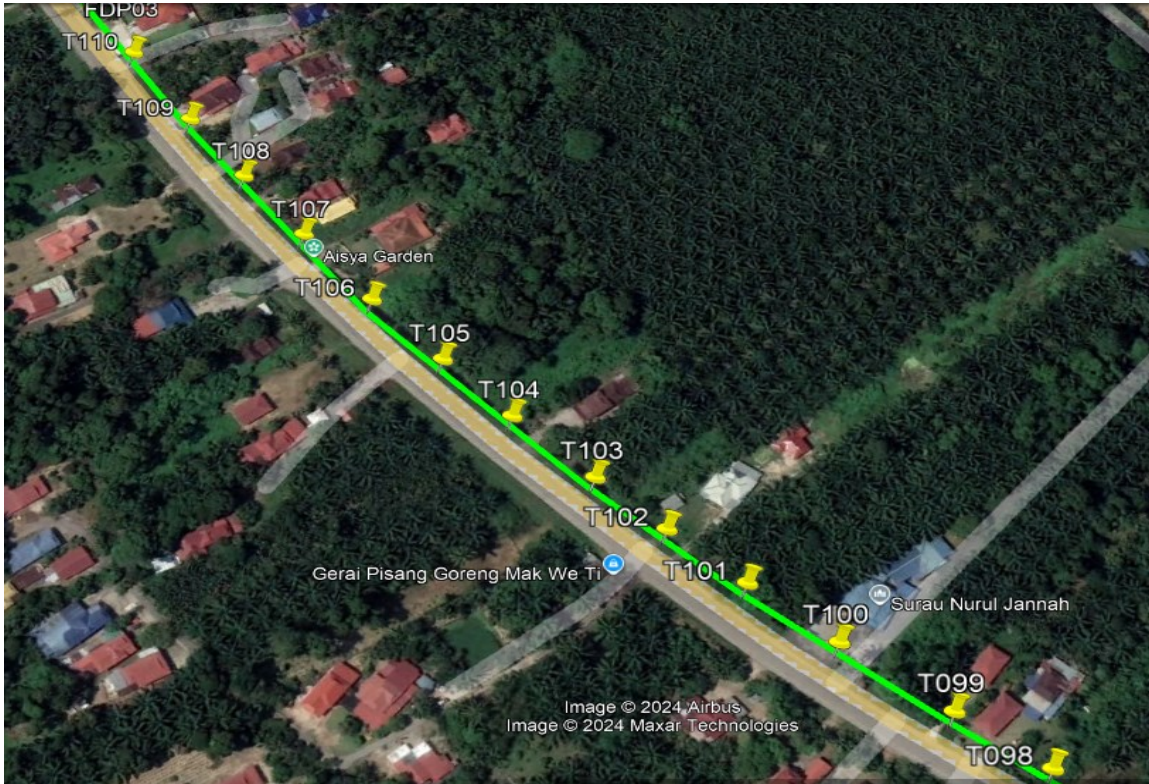


Route 2.4

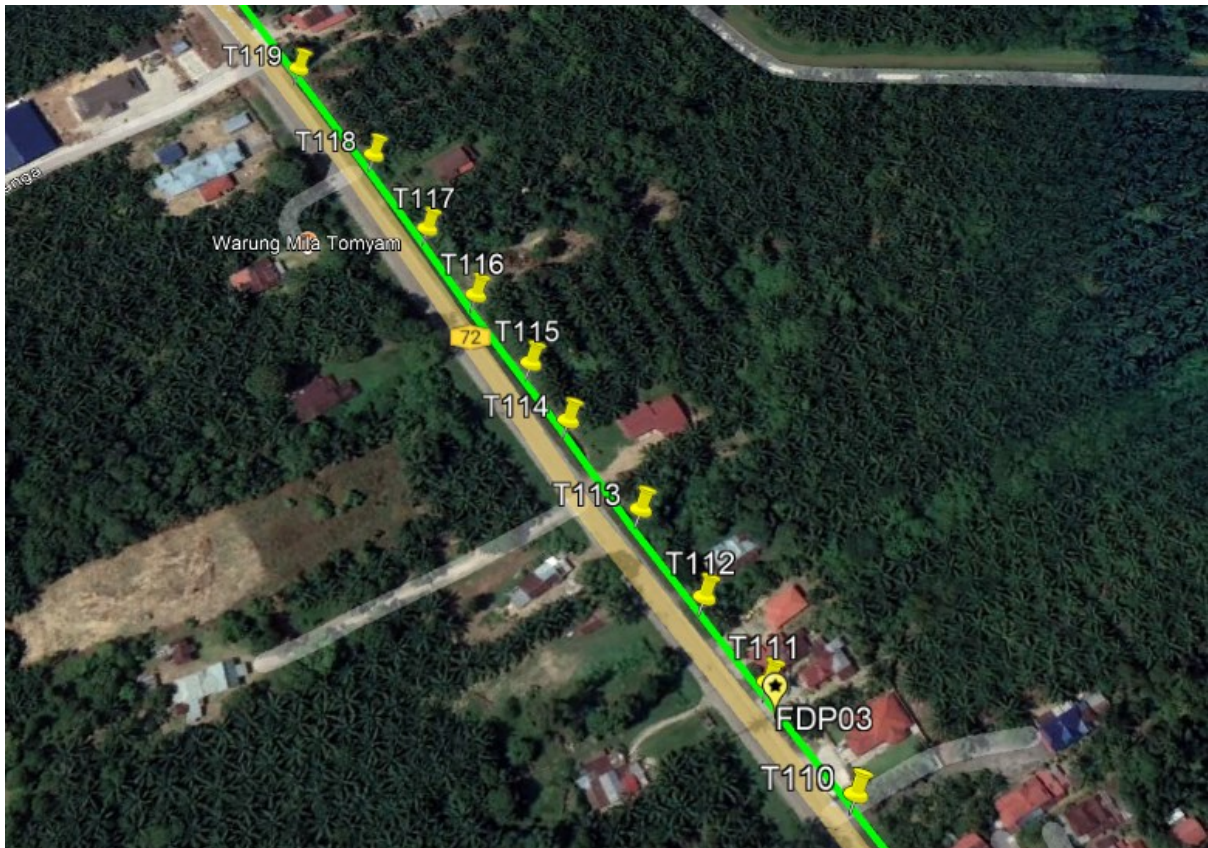
Route 3



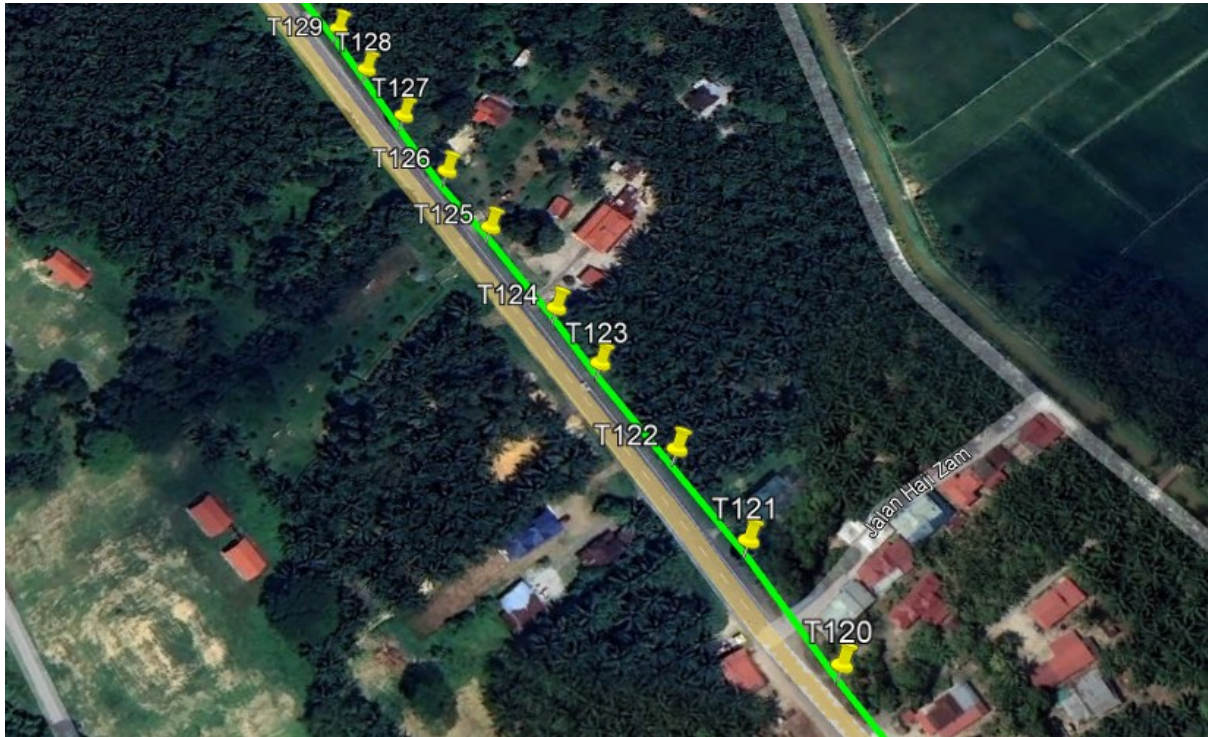
Route 3.1



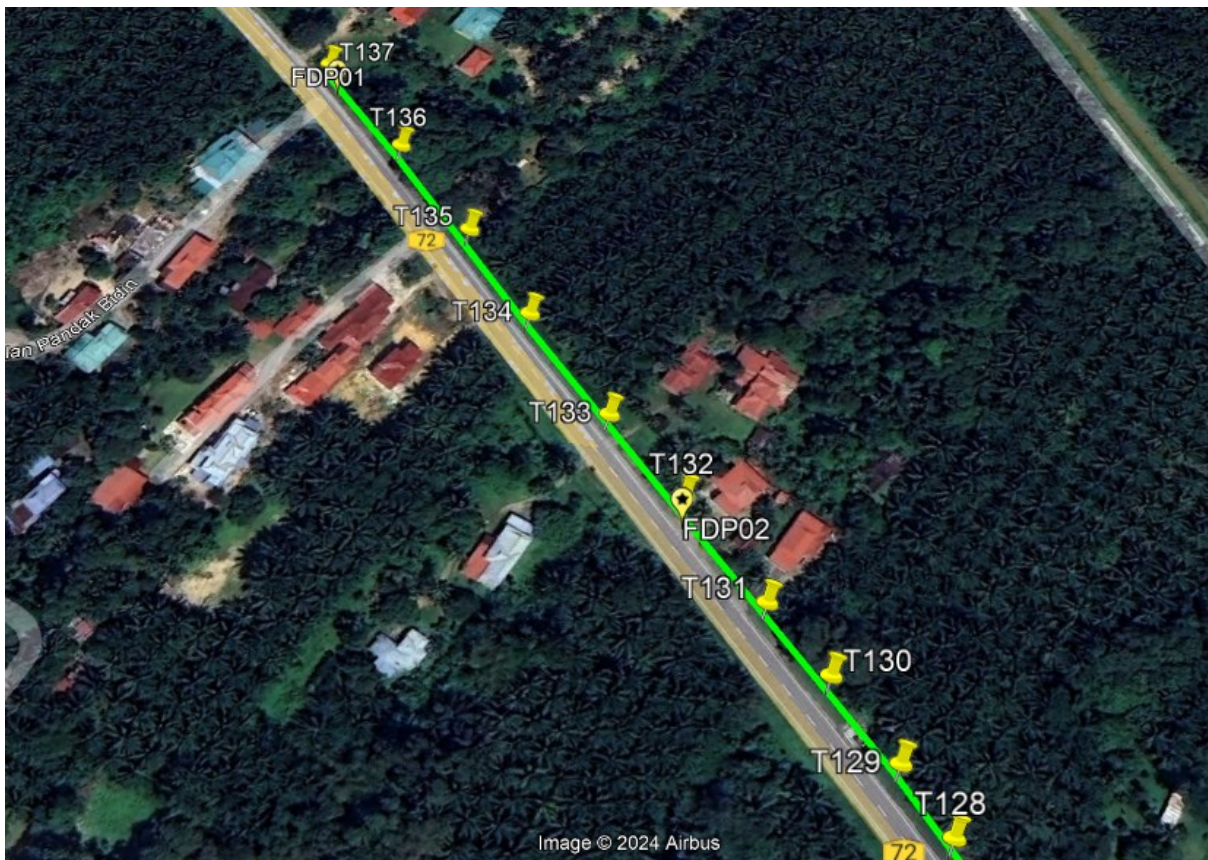
Route 3.2



Route 3.3



Route 3.4



Route 3.5

Site Plan – KMZ Routing (Prop New Manhole)

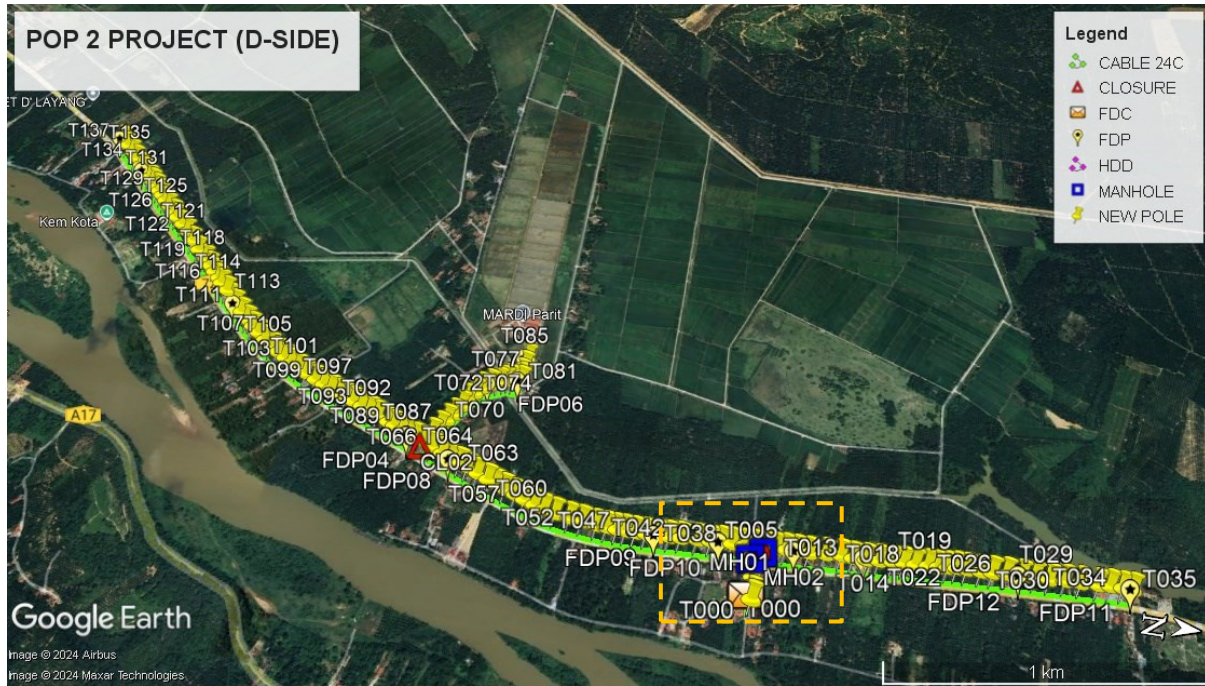


Figure 1: Location 1 (MH1- 4.443306, 100.898520) (MH2- 4.443665, 100.898272)

KMZ Plan

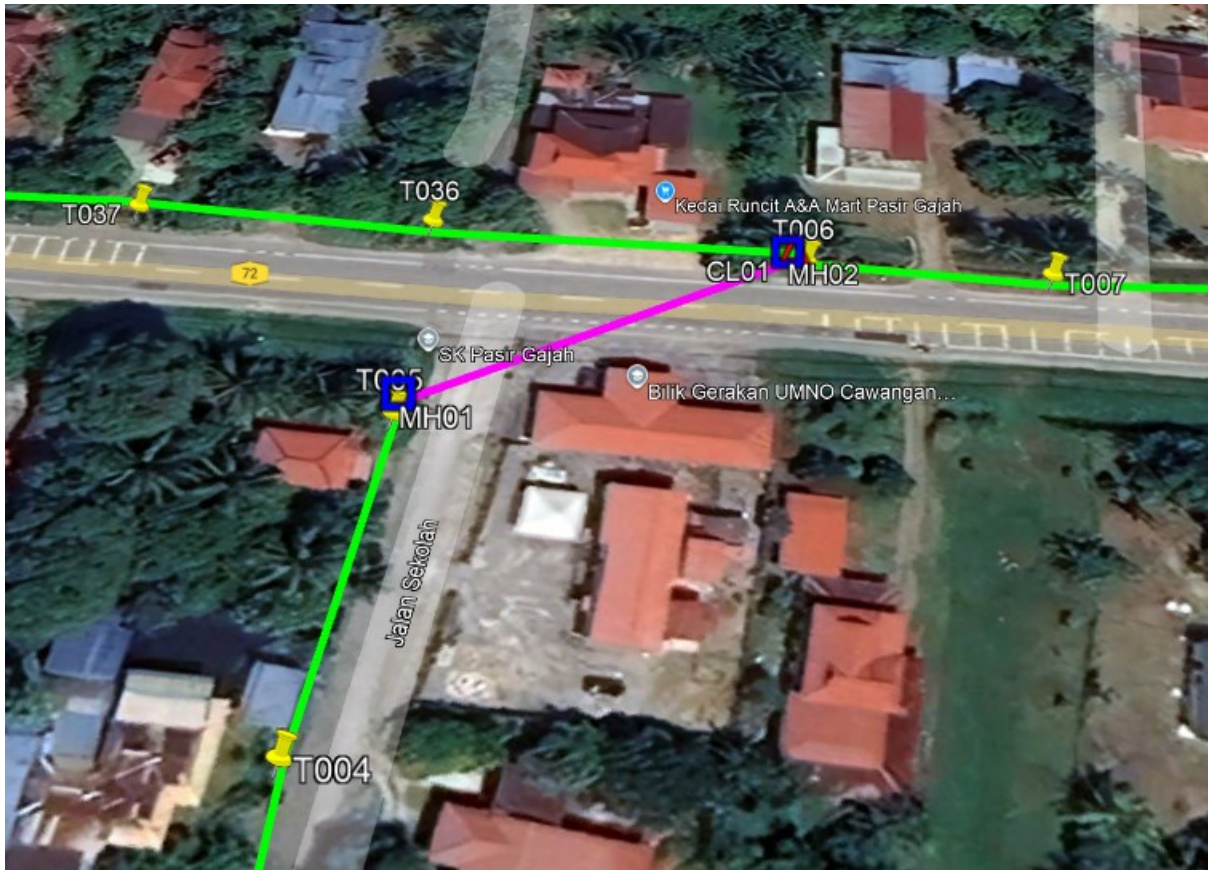


Figure 2: Location 1 (MH1- 4.443306, 100.898520) (MH2- 4.443665, 100.898272)

Site Plan – Google Map (routing plan, Manhole)





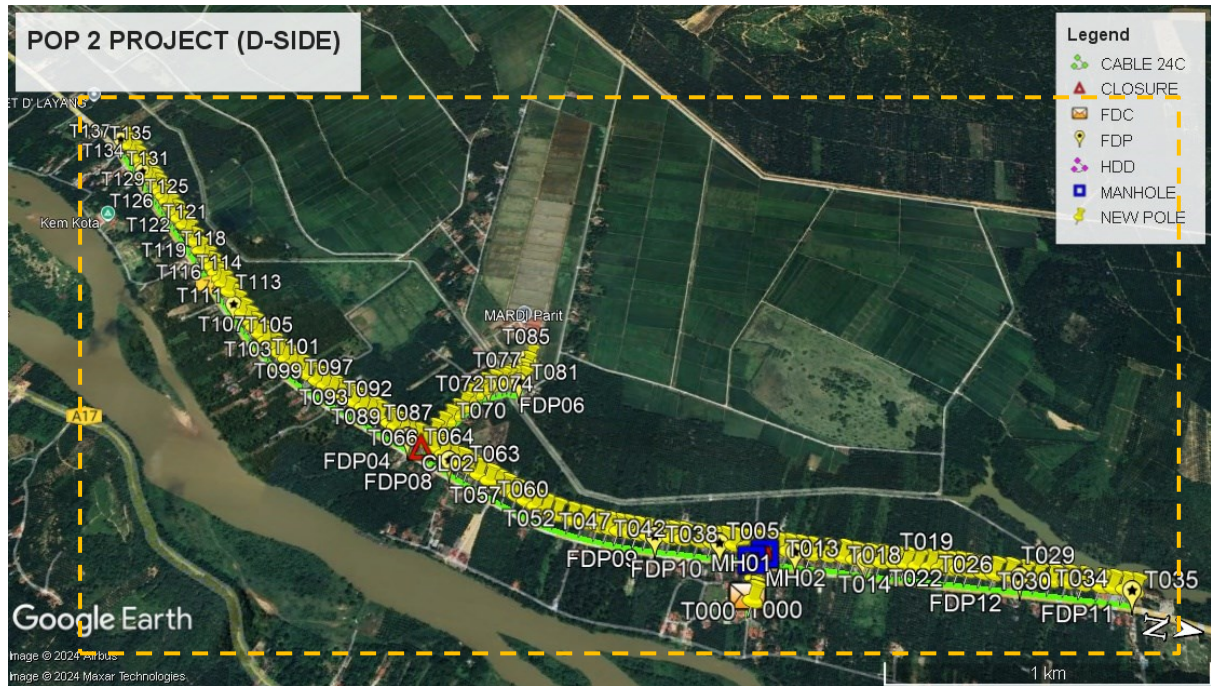
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERTAMBAHAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



Proposed New Manhole Lat & Long Table

PROPOSED MANHOLE COORDINATE		
MANHOLE NUMBER	LATITUDE	LONGITUDE
MH01	4.443306	100.898520
MH02	4.443665	100.898272

Site Plan – KMZ Routing (Proposed New Pole)





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Overall Pole (Proposed New)

No.	Pole & Manhole ID	Distance	Latitude	Longitude	Local Authority
1	T000	0.00	4.443318581	100.8999195	Majlis Perbandaran Perak Tengah
2	T001	25.73	4.44332531	100.8996884	Majlis Perbandaran Perak Tengah
3	T002	28.53	4.443312594	100.8994325	Majlis Perbandaran Perak Tengah
4	T003	24.31	4.443292776	100.8992149	Majlis Perbandaran Perak Tengah
5	T004	32.67	4.443286789	100.8989216	Majlis Perbandaran Perak Tengah
6	T005	41.54	4.4433023	100.8985488	Majlis Perbandaran Perak Tengah
7	T006	51.31	4.443680647	100.8982854	JKR Perak
8	T007	27.88	4.443930655	100.8982713	JKR Perak
9	T008	28.49	4.444184787	100.8982413	JKR Perak
10	T009	36.47	4.444512403	100.8982382	JKR Perak
11	T010	39.29	4.444865282	100.8982313	JKR Perak
12	T011	53.53	4.445344745	100.8981941	JKR Perak
13	T012	50.08	4.445793334	100.8981596	JKR Perak
14	T013	38.36	4.446137301	100.8981809	JKR Perak
15	T014	43.50	4.446527807	100.8981657	JKR Perak
16	T015	39.63	4.446882854	100.8981393	JKR Perak
17	T016	45.66	4.44729239	100.8981161	JKR Perak
18	T017	34.77	4.447604051	100.8980949	JKR Perak
19	T018	36.04	4.447927694	100.8980854	JKR Perak
20	T019	41.21	4.448296842	100.8980581	JKR Perak
21	T020	32.19	4.448585941	100.898051	JKR Perak
22	T021	29.93	4.448853755	100.8980275	JKR Perak
23	T022	29.39	4.449115481	100.897993	JKR Perak
24	T023	31.55	4.449398874	100.8979923	JKR Perak
25	T024	44.88	4.449802047	100.8979884	JKR Perak
26	T025	37.94	4.450142356	100.8979694	JKR Perak
27	T026	44.26	4.450539045	100.8979421	JKR Perak
28	T027	47.76	4.450968044	100.8979363	JKR Perak
29	T028	42.34	4.451347028	100.8979045	JKR Perak
30	T029	44.86	4.45175	100.8979041	JKR Perak
31	T030	49.77	4.45219606	100.8978739	JKR Perak
32	T031	49.04	4.452636482	100.8978661	JKR Perak
33	T032	55.06	4.45313076	100.8978484	JKR Perak
34	T033	37.93	4.453470576	100.8978232	JKR Perak
35	T034	38.25	4.453814147	100.8978192	JKR Perak



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36	T035	32.32	4.454104517	100.8978212	JKR Perak
37	T036	1205.13	4.443288484	100.8982804	JKR Perak
38	T037	34.94	4.44297526	100.8983007	JKR Perak
39	T038	39.64	4.442619455	100.8983146	JKR Perak
40	T039	33.78	4.442316044	100.8983209	JKR Perak
41	T040	36.35	4.441990841	100.8983501	JKR Perak
42	T041	44.22	4.441593732	100.8983584	JKR Perak
43	T042	55.44	4.441096275	100.8983827	JKR Perak
44	T043	36.16	4.440772201	100.898405	JKR Perak
45	T044	38.30	4.44042843	100.8984187	JKR Perak
46	T045	38.72	4.440080838	100.8984303	JKR Perak
47	T046	35.00	4.439766437	100.8984333	JKR Perak
48	T047	33.66	4.439464099	100.8984279	JKR Perak
49	T048	27.95	4.439213058	100.8984294	JKR Perak
50	T049	34.86	4.43890073	100.8984066	JKR Perak
51	T050	35.23	4.438584437	100.8983961	JKR Perak
52	T051	49.75	4.438141105	100.8983396	JKR Perak
53	T052	43.20	4.437754864	100.8983017	JKR Perak
54	T053	49.73	4.437313679	100.8982316	JKR Perak
55	T054	39.97	4.436963578	100.898152	JKR Perak
56	T055	36.63	4.436647355	100.898061	JKR Perak
57	T056	38.97	4.436317402	100.897944	JKR Perak
58	T057	35.91	4.436015608	100.8978301	JKR Perak
59	T058	41.72	4.435662532	100.8977045	JKR Perak
60	T059	35.85	4.435360026	100.8975939	JKR Perak
61	T060	33.06	4.435086251	100.8974787	JKR Perak
62	T061	42.28	4.434734131	100.8973364	JKR Perak
63	T062	42.77	4.434381729	100.8971834	JKR Perak
64	T063	31.10	4.434120328	100.8970847	JKR Perak
65	T064	32.64	4.433837856	100.8970061	JKR Perak
66	T065	40.58	4.433510712	100.8968453	JKR Perak
67	T066	44.45	4.433143382	100.8966888	JKR Perak
68	T067	33.52	4.432869985	100.8965626	Majlis Perbandaran Perak Tengah
69	T068	39.93	4.433043327	100.8962485	Majlis Perbandaran Perak Tengah
70	T069	36.14	4.433220537	100.8959766	Majlis Perbandaran Perak Tengah
71	T070	35.94	4.433383999	100.8956982	Majlis Perbandaran Perak Tengah
72	T071	32.21	4.433556981	100.8954663	Majlis Perbandaran Perak Tengah
73	T072	40.66	4.433725925	100.8951425	Majlis Perbandaran Perak Tengah



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74	T073	34.32	4.43388281	100.8948771	Majlis Perbandaran Perak Tengah
75	T074	34.12	4.434041063	100.8946146	Majlis Perbandaran Perak Tengah
76	T075	30.62	4.434214797	100.8944014	Majlis Perbandaran Perak Tengah
77	T076	31.67	4.43445301	100.8942458	Majlis Perbandaran Perak Tengah
78	T077	31.23	4.434697371	100.8941081	Majlis Perbandaran Perak Tengah
79	T078	22.58	4.434888686	100.8940405	Majlis Perbandaran Perak Tengah
80	T079	16.51	4.435015721	100.893964	Majlis Perbandaran Perak Tengah
81	T080	15.58	4.43515405	100.893985	Majlis Perbandaran Perak Tengah
82	T081	27.16	4.435396705	100.8939597	Majlis Perbandaran Perak Tengah
83	T082	14.85	4.435424146	100.8938291	Majlis Perbandaran Perak Tengah
84	T083	17.02	4.435346376	100.8936974	Majlis Perbandaran Perak Tengah
85	T084	33.26	4.435402457	100.893404	Majlis Perbandaran Perak Tengah
86	T085	34.36	4.43543688	100.8930973	Majlis Perbandaran Perak Tengah
87	T086	492.01	4.432599417	100.896486	JKR Perak
88	T087	26.00	4.43237897	100.8964089	JKR Perak
89	T088	34.31	4.43209657	100.8962854	JKR Perak
90	T089	34.49	4.43180777	100.8961733	JKR Perak
91	T090	27.42	4.431580384	100.8960787	JKR Perak
92	T091	46.46	4.431198217	100.895911	JKR Perak
93	T092	34.87	4.430908701	100.8957915	JKR Perak
94	T093	36.79	4.430602931	100.895666	JKR Perak
95	T094	35.04	4.430308171	100.8955555	JKR Perak
96	T095	31.21	4.430043615	100.8954628	JKR Perak
97	T096	29.33	4.42980002	100.8953624	JKR Perak
98	T097	38.75	4.429475909	100.8952355	JKR Perak
99	T098	34.88	4.429185035	100.895119	JKR Perak
100	T099	37.37	4.428876922	100.8949858	JKR Perak
101	T100	45.70	4.428503031	100.8948164	JKR Perak
102	T101	38.50	4.42819297	100.8946632	JKR Perak
103	T102	35.24	4.427912148	100.894517	JKR Perak
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105	T104	40.10	4.427340833	100.8941876	JKR Perak

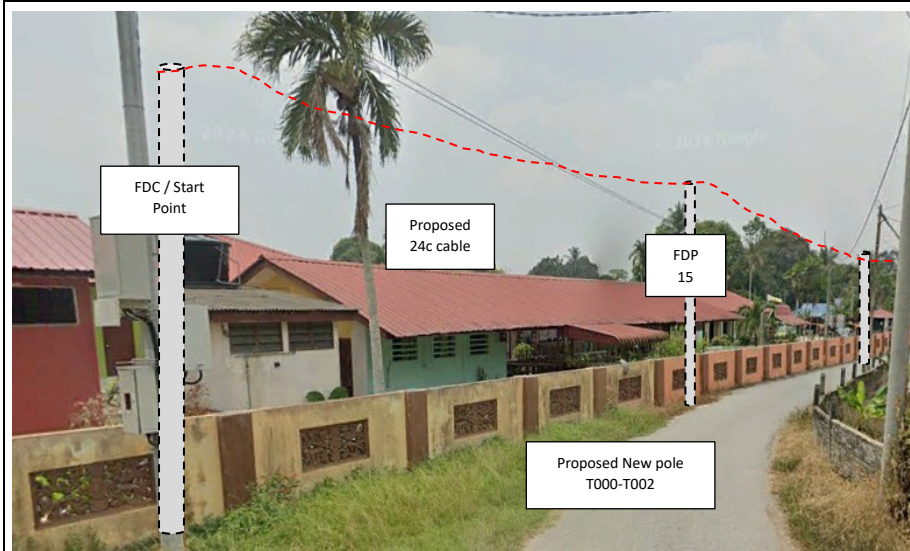


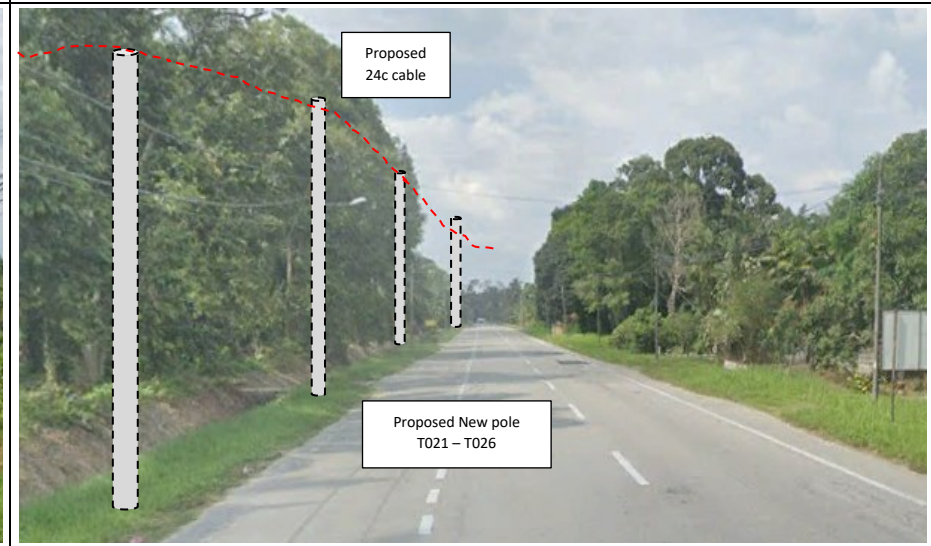
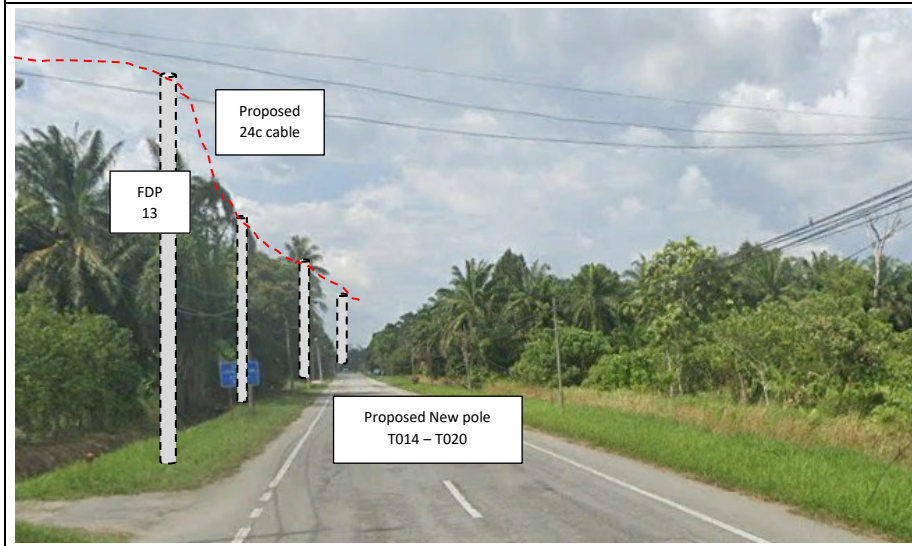
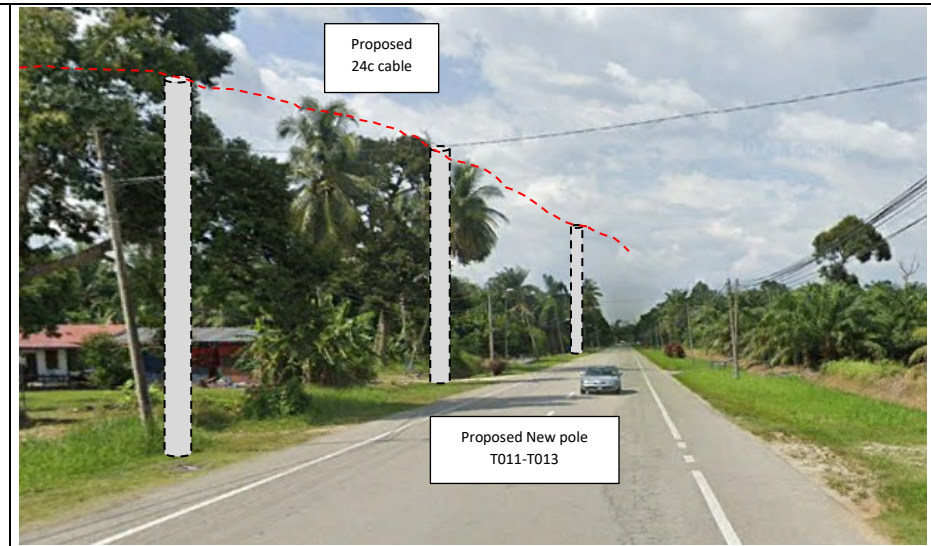
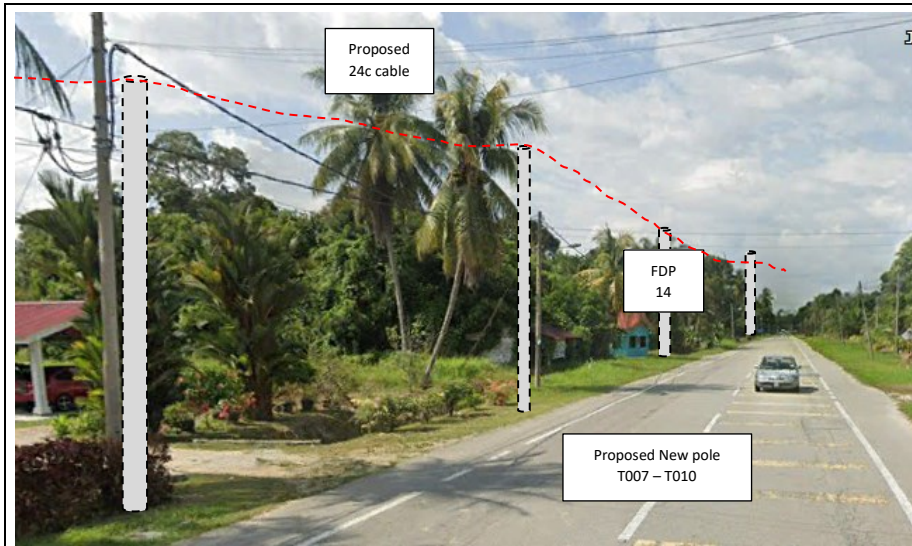
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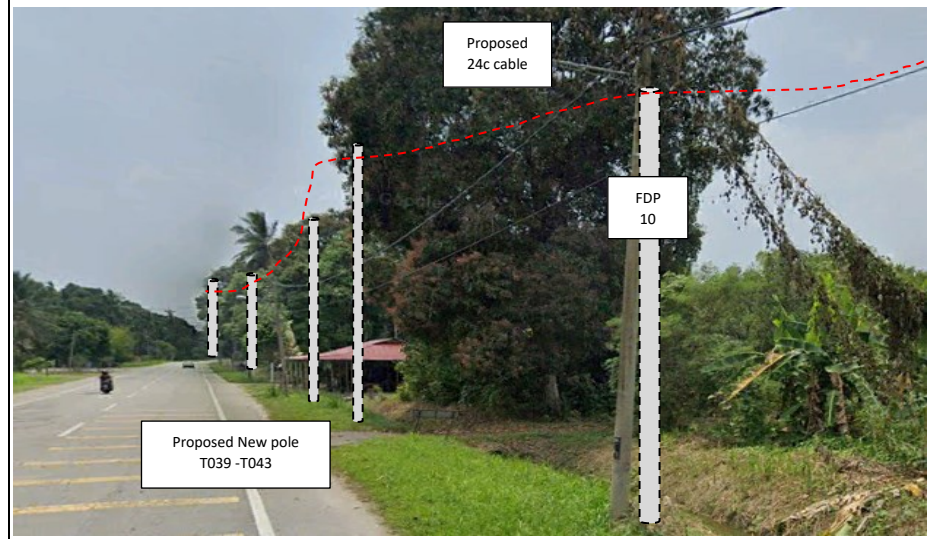
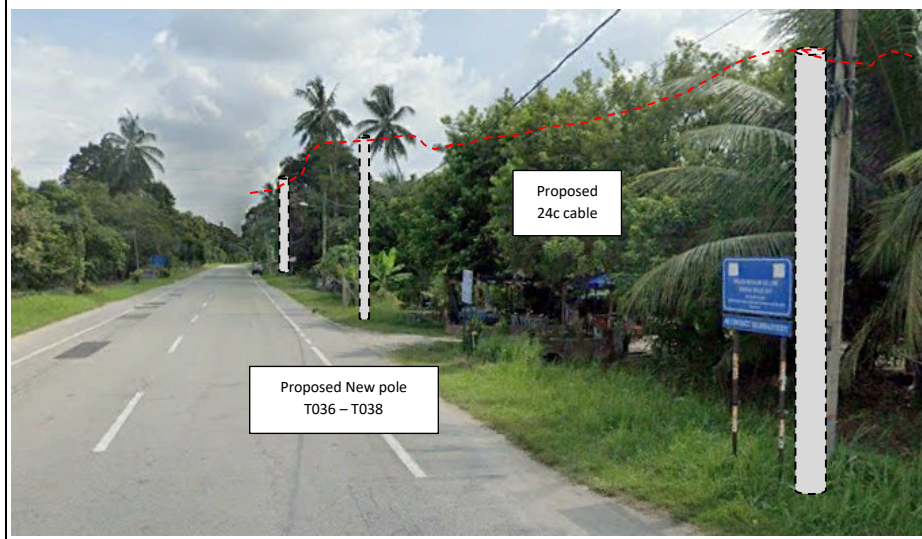
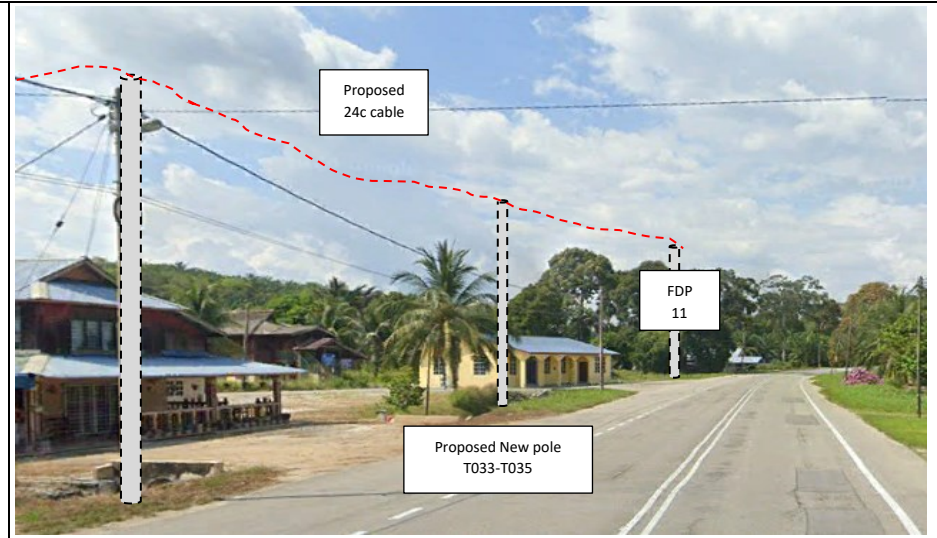
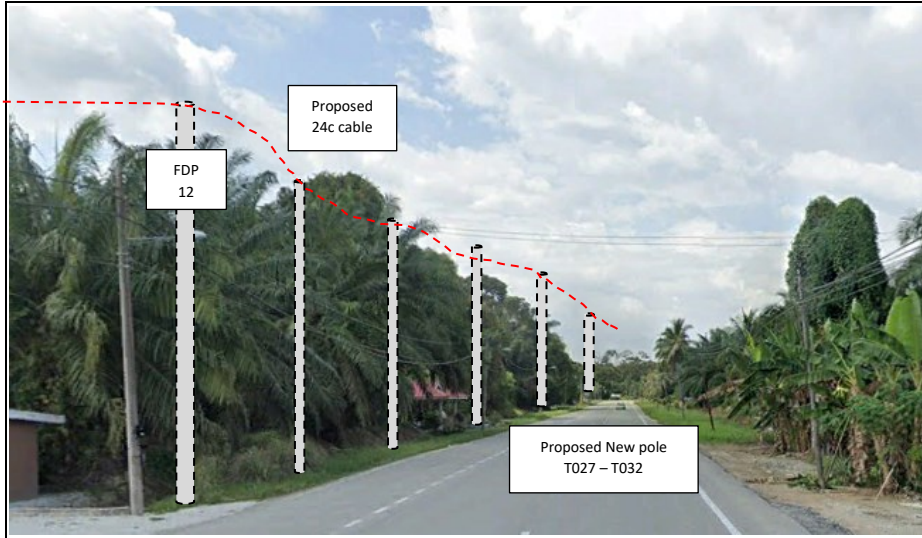


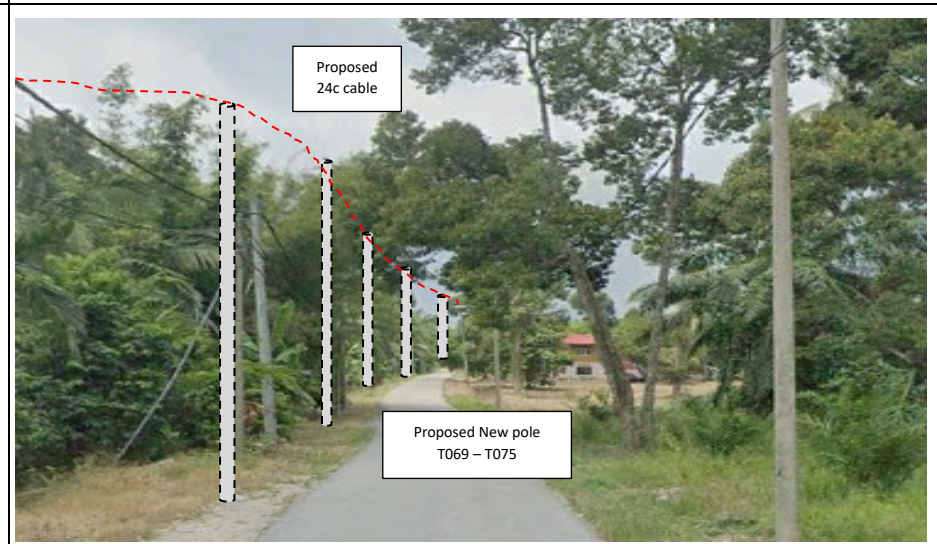
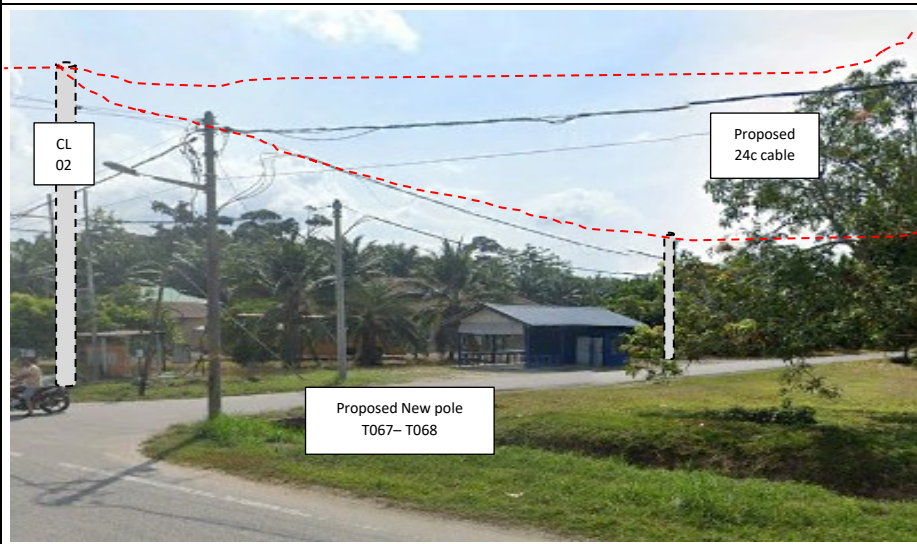
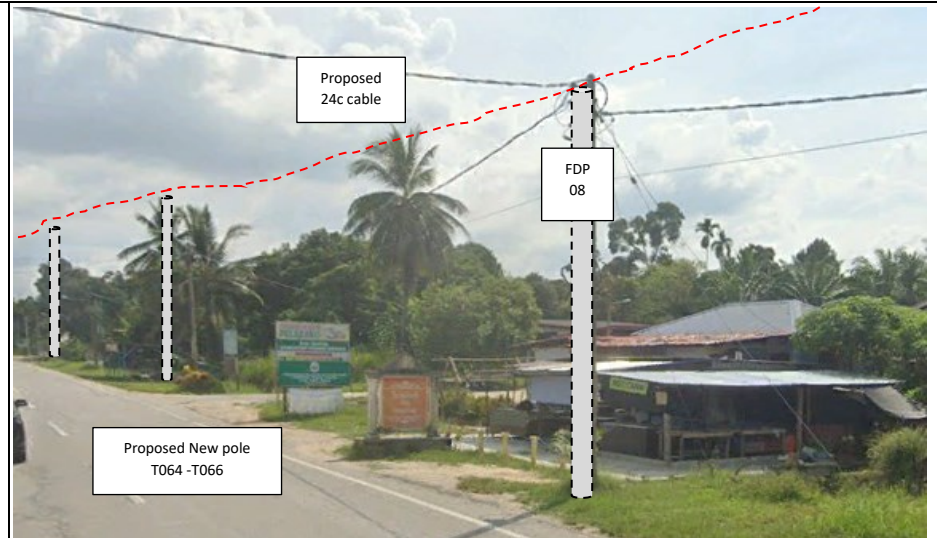
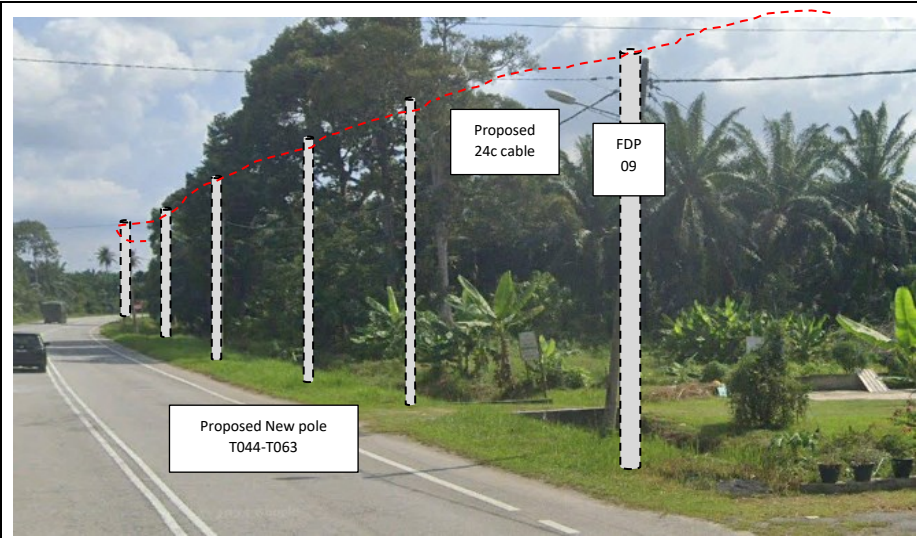
106	T105	36.43	4.427066613	100.894009	JKR Perak
107	T106	39.00	4.426775669	100.8938138	JKR Perak
108	T107	41.58	4.42647845	100.8935876	JKR Perak
109	T108	38.40	4.426205681	100.8933765	JKR Perak
110	T109	37.47	4.425947	100.8931611	JKR Perak
111	T110	43.91	4.425655655	100.8928952	JKR Perak
112	T111	45.50	4.42535614	100.892617	JKR Perak
113	T112	36.25	4.425121587	100.8923911	JKR Perak
114	T113	38.79	4.424874991	100.8921449	JKR Perak
115	T114	43.13	4.42458636	100.8918865	JKR Perak
116	T115	27.29	4.424420638	100.8917058	JKR Perak
117	T116	35.83	4.424182073	100.8914898	JKR Perak
118	T117	35.39	4.423956113	100.8912662	JKR Perak
119	T118	41.24	4.423693375	100.891005	JKR Perak
120	T119	53.61	4.423326889	100.8906926	JKR Perak
121	T120	54.30	4.422984073	100.8903456	JKR Perak
122	T121	53.97	4.42264438	100.8899996	JKR Perak
123	T122	43.07	4.42236695	100.88973	JKR Perak
124	T123	44.82	4.422060594	100.8894687	JKR Perak
125	T124	29.04	4.421872191	100.8892882	JKR Perak
126	T125	44.71	4.421578726	100.8890141	JKR Perak
127	T126	32.17	4.421372587	100.8888116	JKR Perak
128	T127	33.08	4.421158941	100.888605	JKR Perak
129	T128	28.81	4.420971033	100.888427	JKR Perak
130	T129	25.11	4.420817309	100.888262	JKR Perak
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132	T131	29.33	4.420410412	100.8878857	JKR Perak
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134	T133	37.58	4.419872535	100.8873957	JKR Perak
135	T134	46.88	4.419570028	100.8871027	JKR Perak
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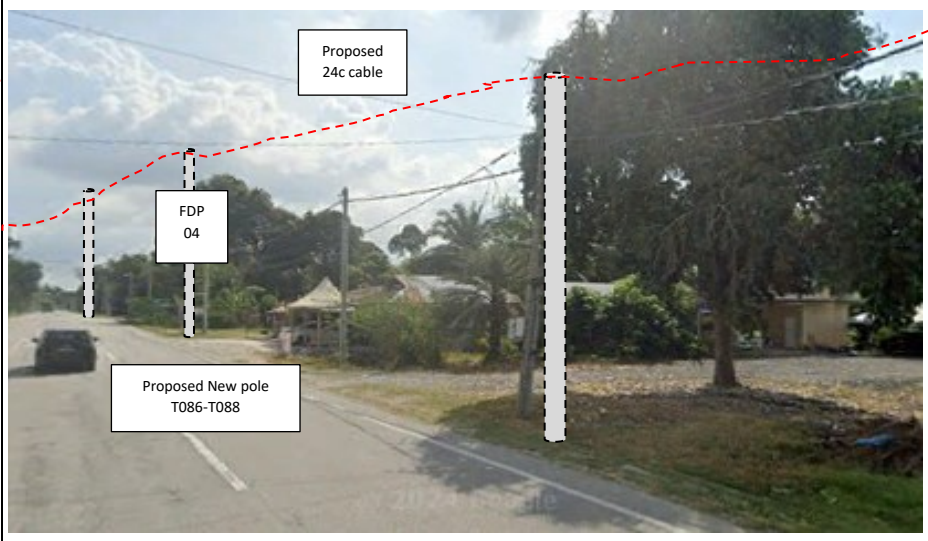
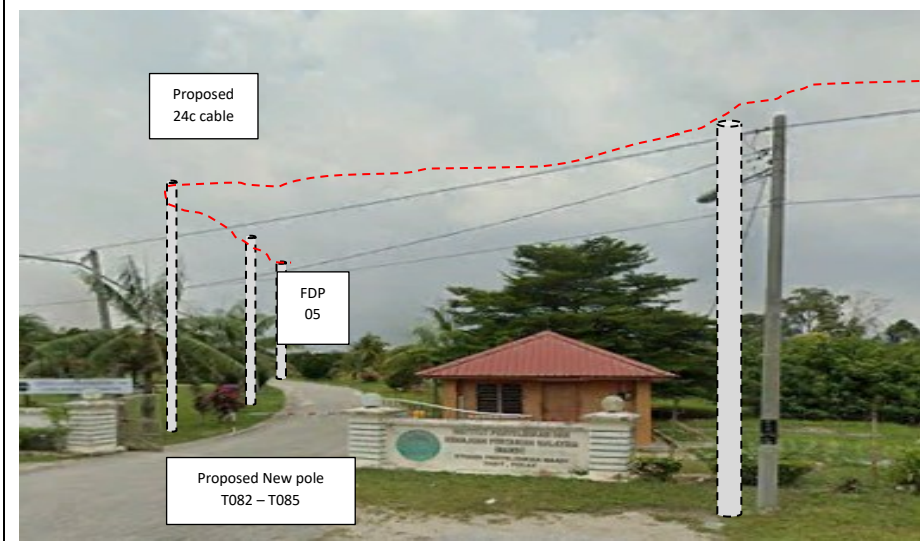
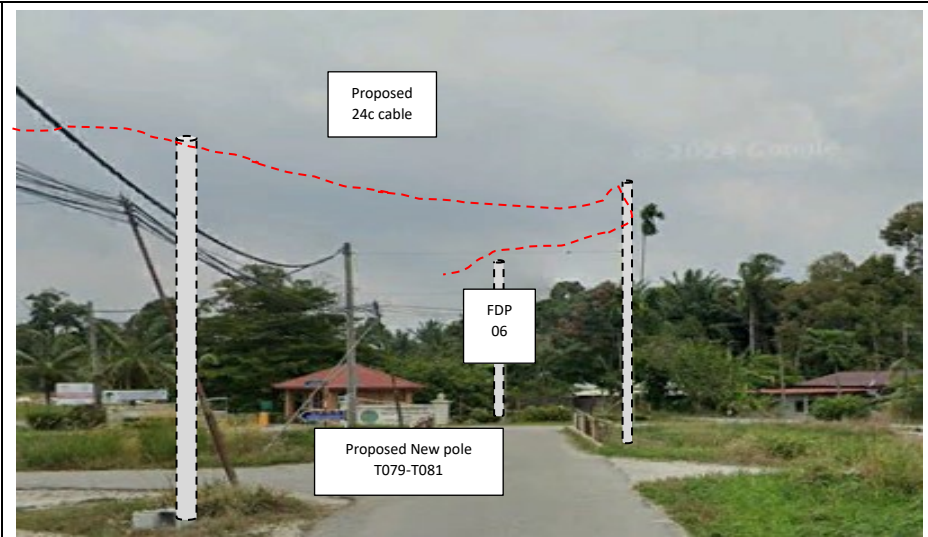
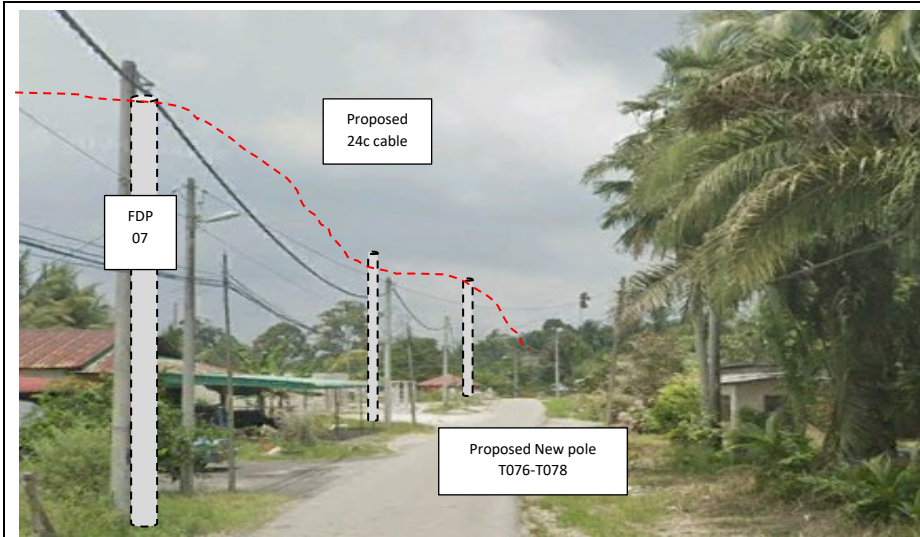
Site Photos – Proposed to install pole

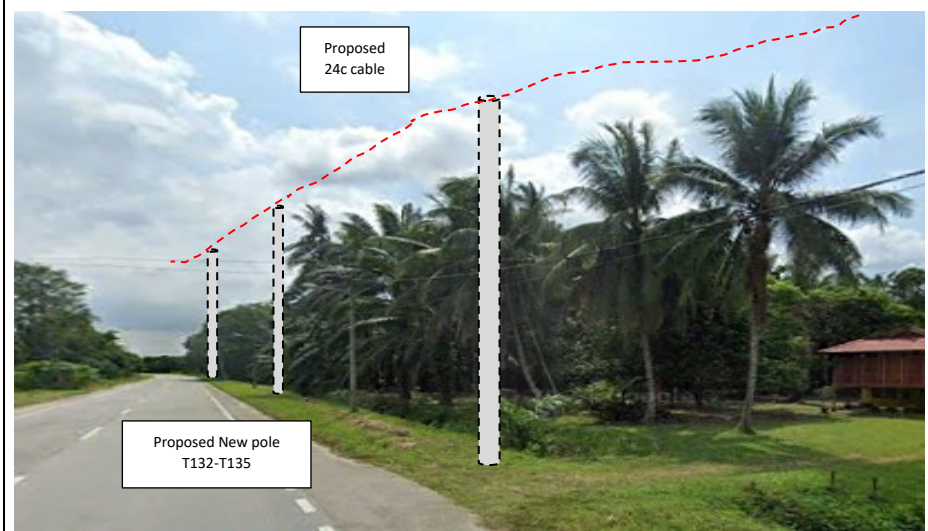
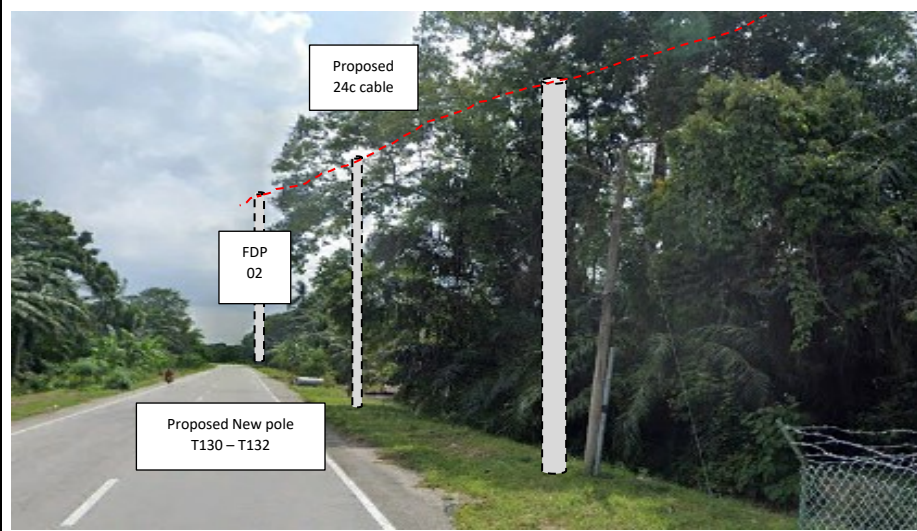
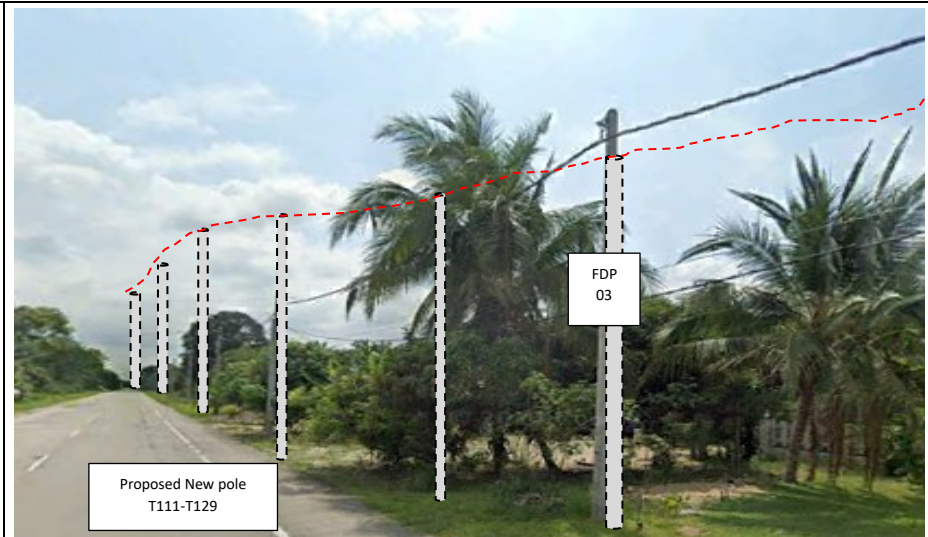
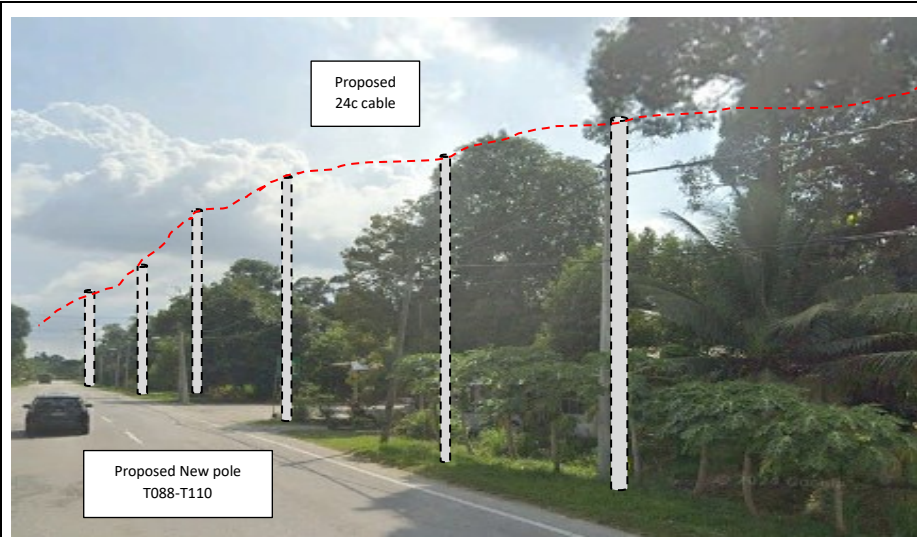


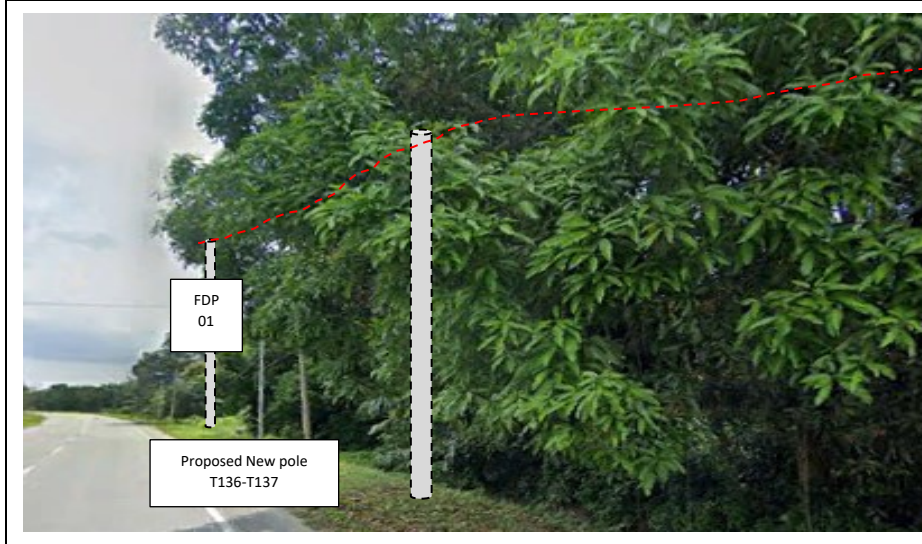












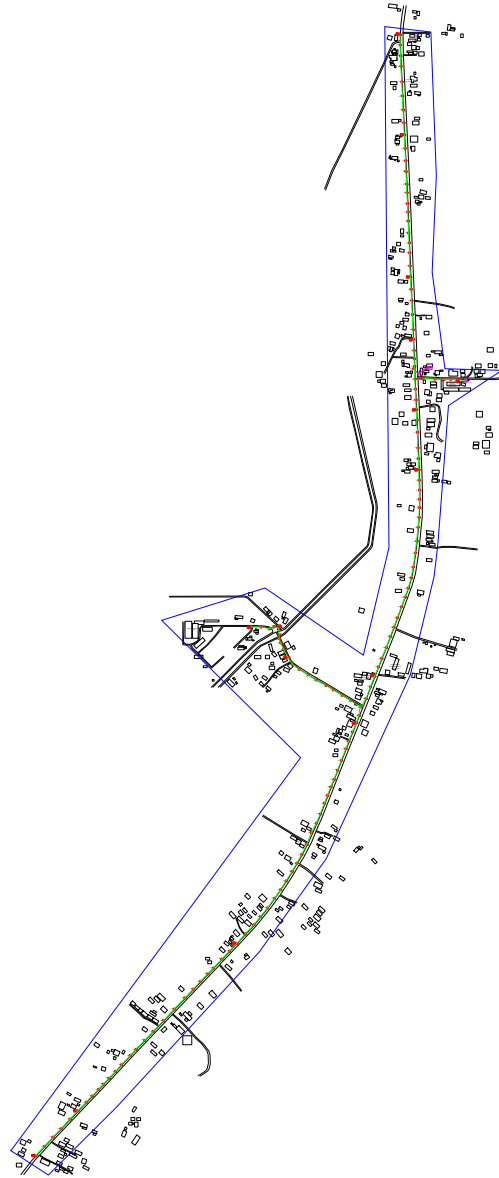


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	JKR Perak	
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	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)	001 FDC NO.	DP1 FDP NO.				

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
1201, FLOOR, MENARA TAMP 3004,
50250 JALAN P. RAJALEA,
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/5, TAMAN PUNCAK JALIL,
SUNGAI PUTIH PERAK
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9388 0863
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

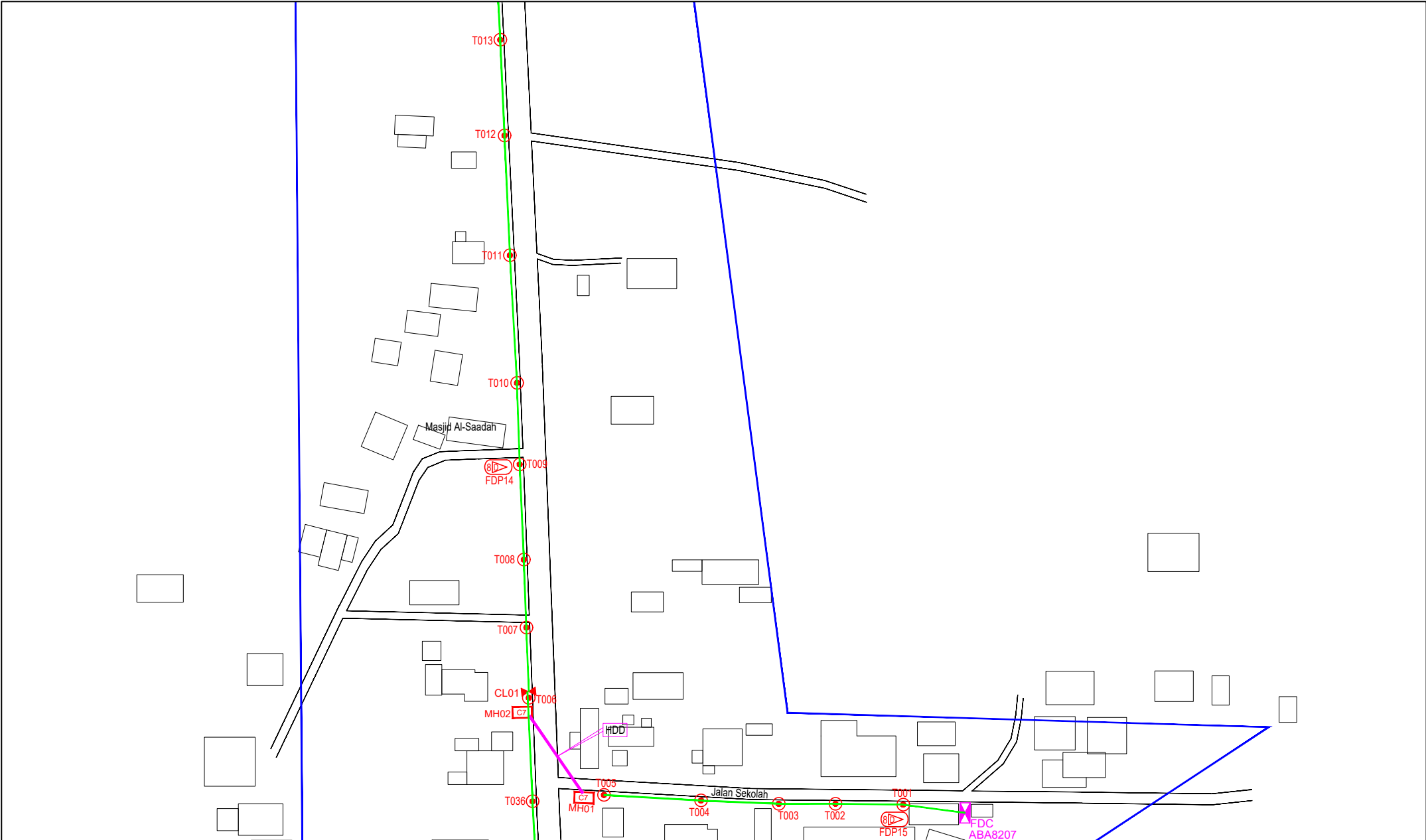
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 : ABAB207-ABD-01	Sheet : 1/14
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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		BS30 New Manhole (PIT)		Micro-Trenching (Meter)
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		BS7 New Manhole(JRC7)	2	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	15	HDD	60	# Active Outdoor Cabinet
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		001 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/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA IMP 2008,
50250 JALAN P. RAMLEE,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PAU 3/3, TAMAN PUNCAK JAL,
BANDAR PUTRA, PERAK
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9338 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
ABA8207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER
Date : DEC 2024

Drawn By : CAD ENGINEER
Scale : NOT TO SCALE

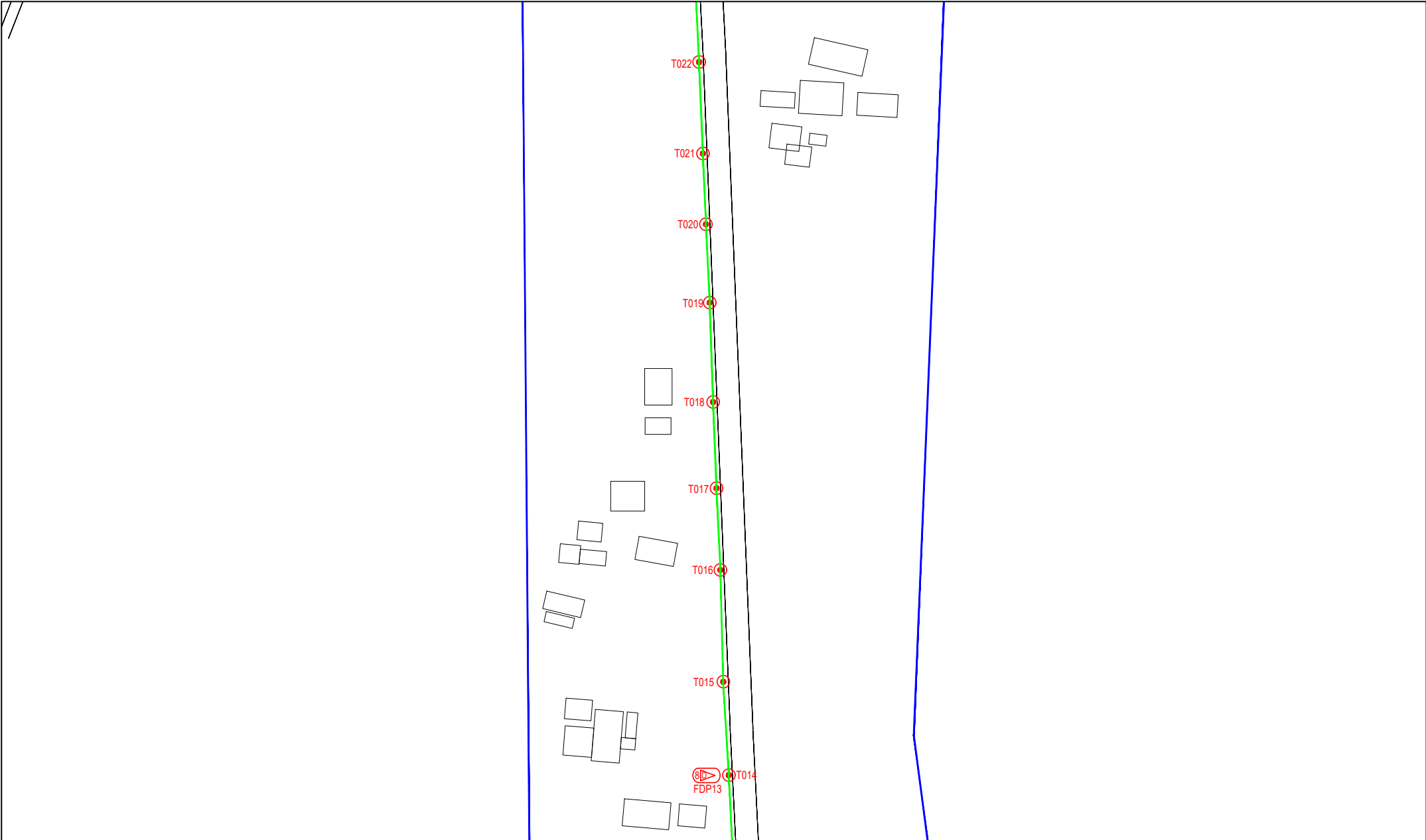
Checked By : ENGINEER
Job Number : 1

DRAWING NUMBER :
ABA8207-ABD-01A

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Sheet :
2/14

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)		MHI	MH NO.
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		New Manhole(JRC7)	2	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	15	HDD (Meter)	60	#		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/DEVELOPOR :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA WAP SDNG,
80200 JALAN P. PAKLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNCAK JAYA,
MUKAH PUTRA PERANG,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 9988 0463
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
AB8207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER
Date : DEC 2024

Drawn By : CAD ENGINEER
Scale : NOT TO SCALE

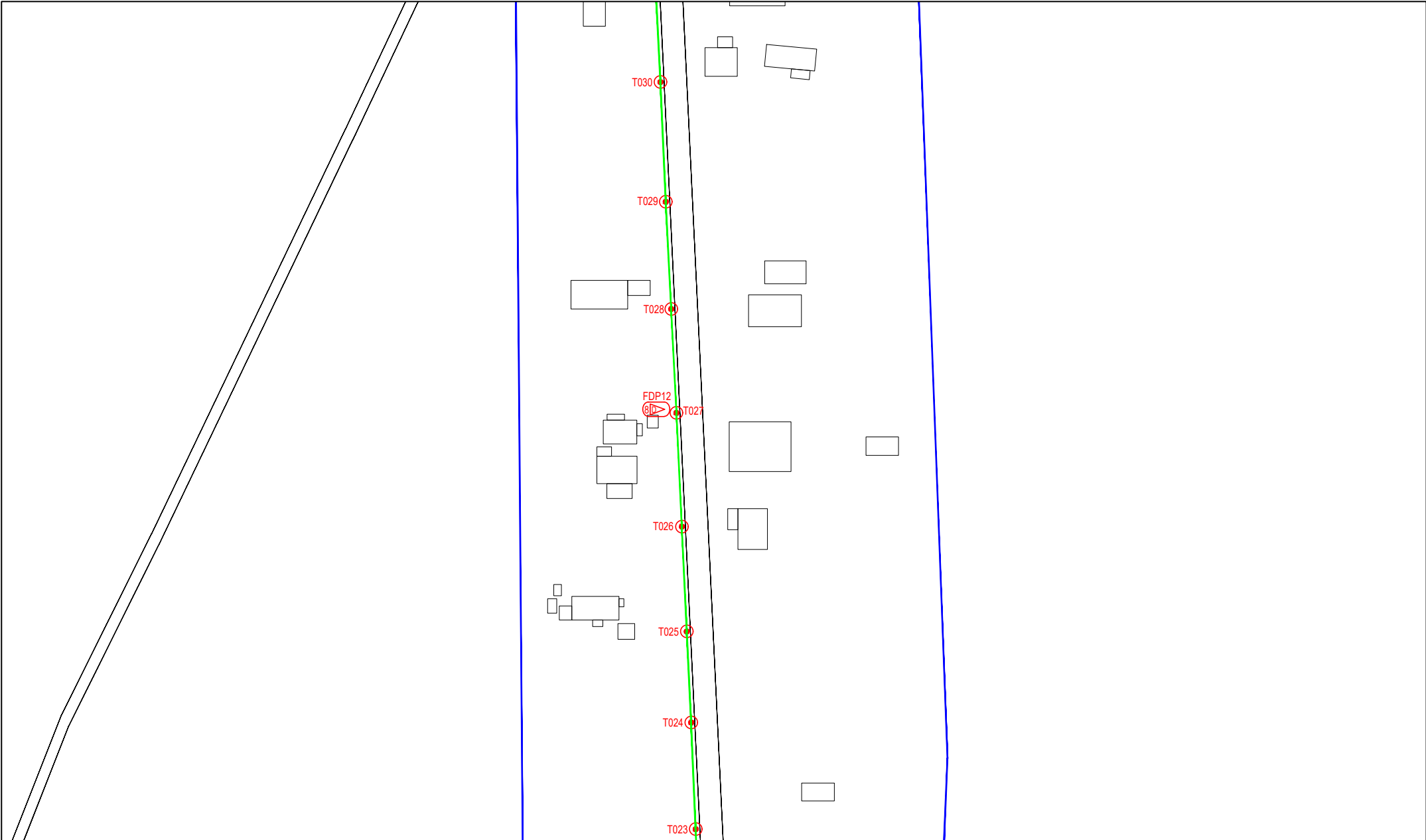
Checked By : ENGINEER
Job Number : 1

DRAWING NUMBER :
AB8207-ABD-01B

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Sheet :
3/14

Size :
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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)		MHI	MH NO.
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		New Manhole(JRC7)	2	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	15	HDD (Meter)	60	#	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 :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA IMP 300A,
50550 JALAN P. INALLES,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
122, JALAN PAU 3/2, TAMAN PUNCAK JAYA,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9583 9953
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

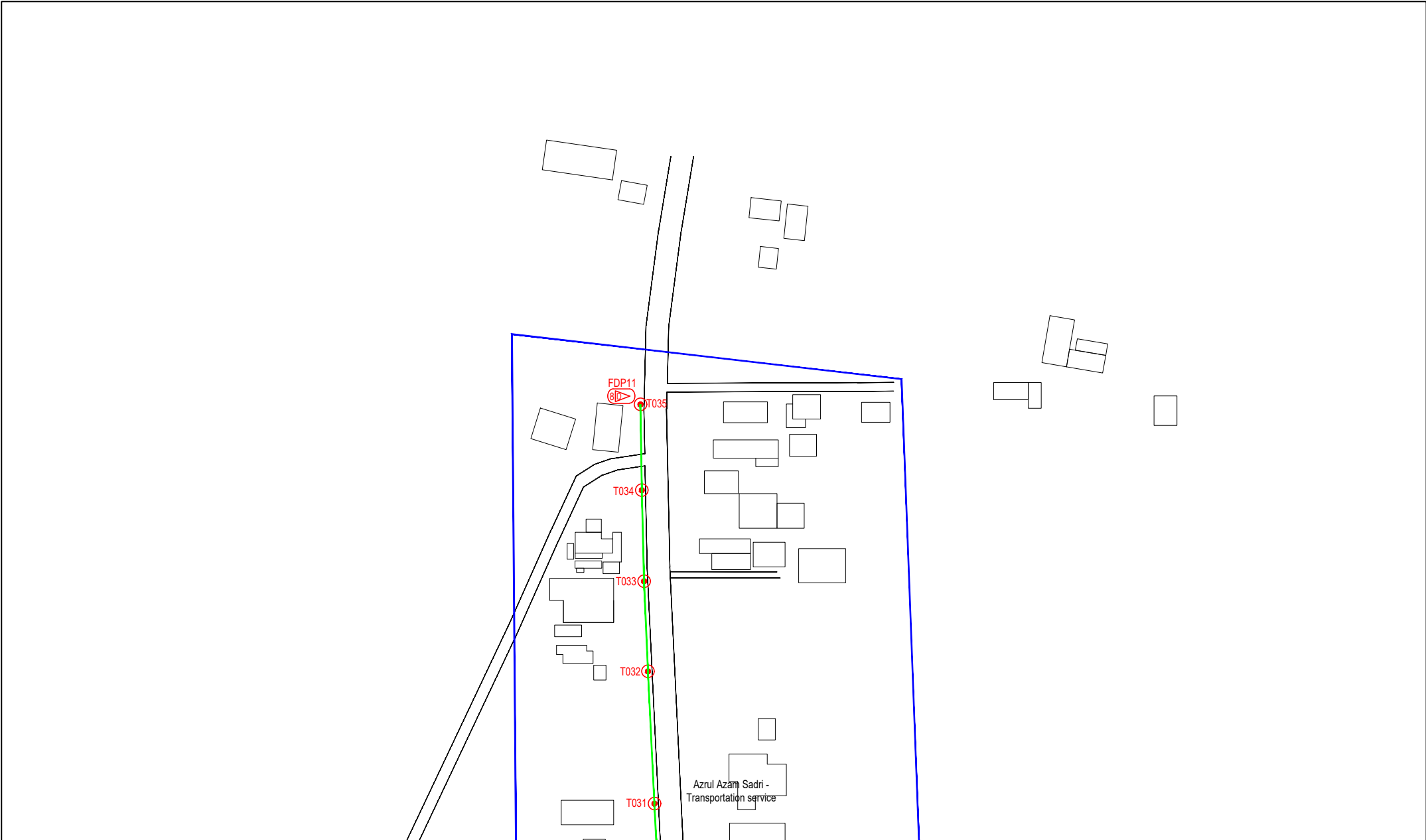
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABA8207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 : ABA8207-ABD-01C	Sheet : 4/14
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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		JB30 New Manhole (PIT)		Micro-Trenching (Meter)		MHI MH NO.
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		CB7 New Manhole (JRC7)	2	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	15	HDD (Meter)	60	# 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 :



APEX COMMUNICATIONS SDN BHD
1208, FLORES, MENARA TAMP 3000,
50250 JALAN P. MALLIE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUJ 3/3, TAMAN PUNCAK JAYA,
BANDAR PUTRA PERANG,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 8988 9983
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
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 :
ABAB207-ABD-01D

Sheet :
5/14

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Size :
A3

Design By : ENGINEER Date : DEC 2024

Drawn By : CAD ENGINEER Scale : NOT TO SCALE

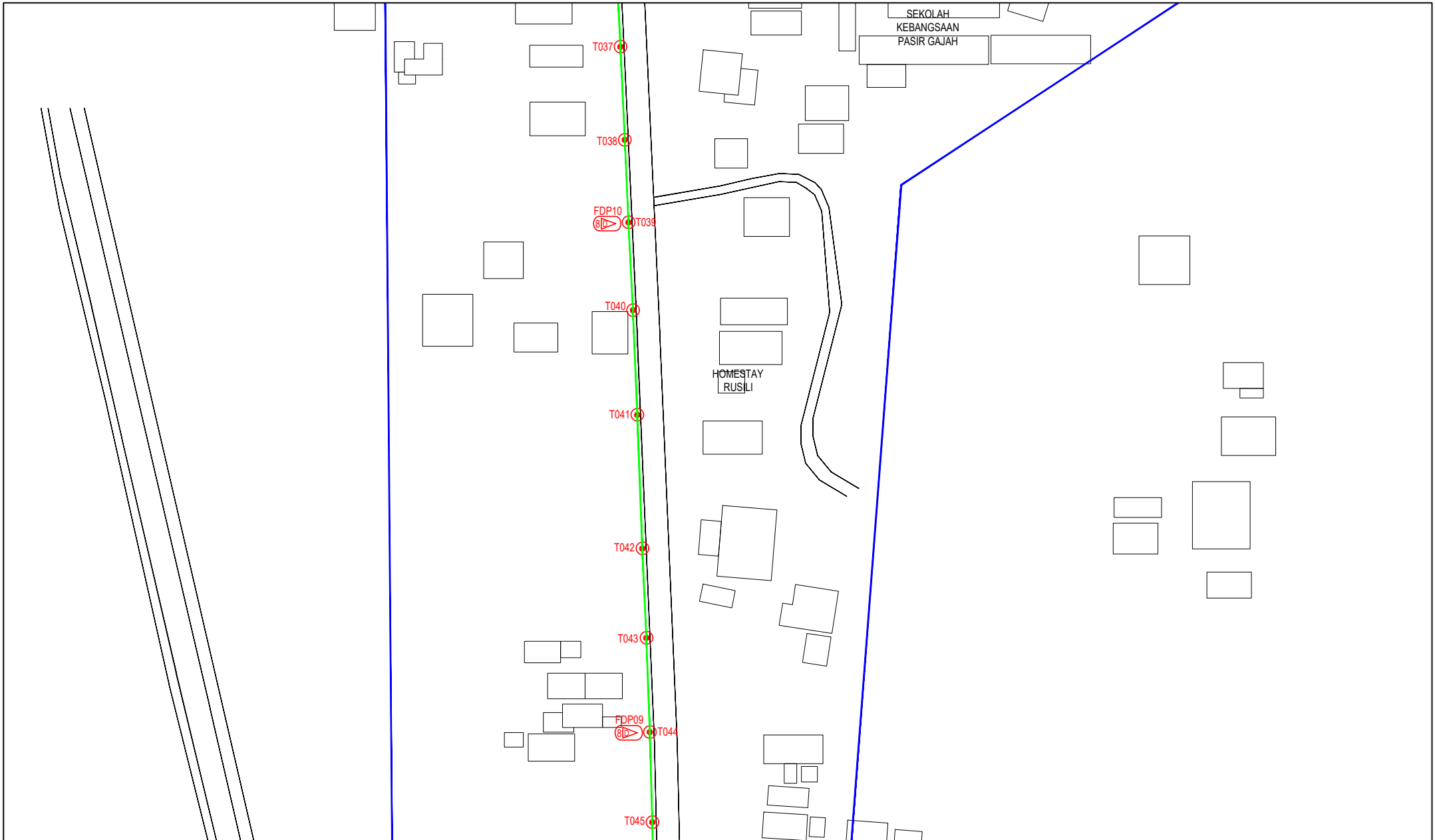
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DRAWING NUMBER :
ABAB207-ABD-01D

Sheet :
5/14

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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	IB30	New Manhole (PIT)	Micro-Trenching (Meter)	MHI	MH NO.		
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	CB7	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
126, FELDUC, MENARA IMP 30/06,
52250 JALAN P. MALLIE,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/3, TAMAN PUNCAK JALIL,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9338 5003
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

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

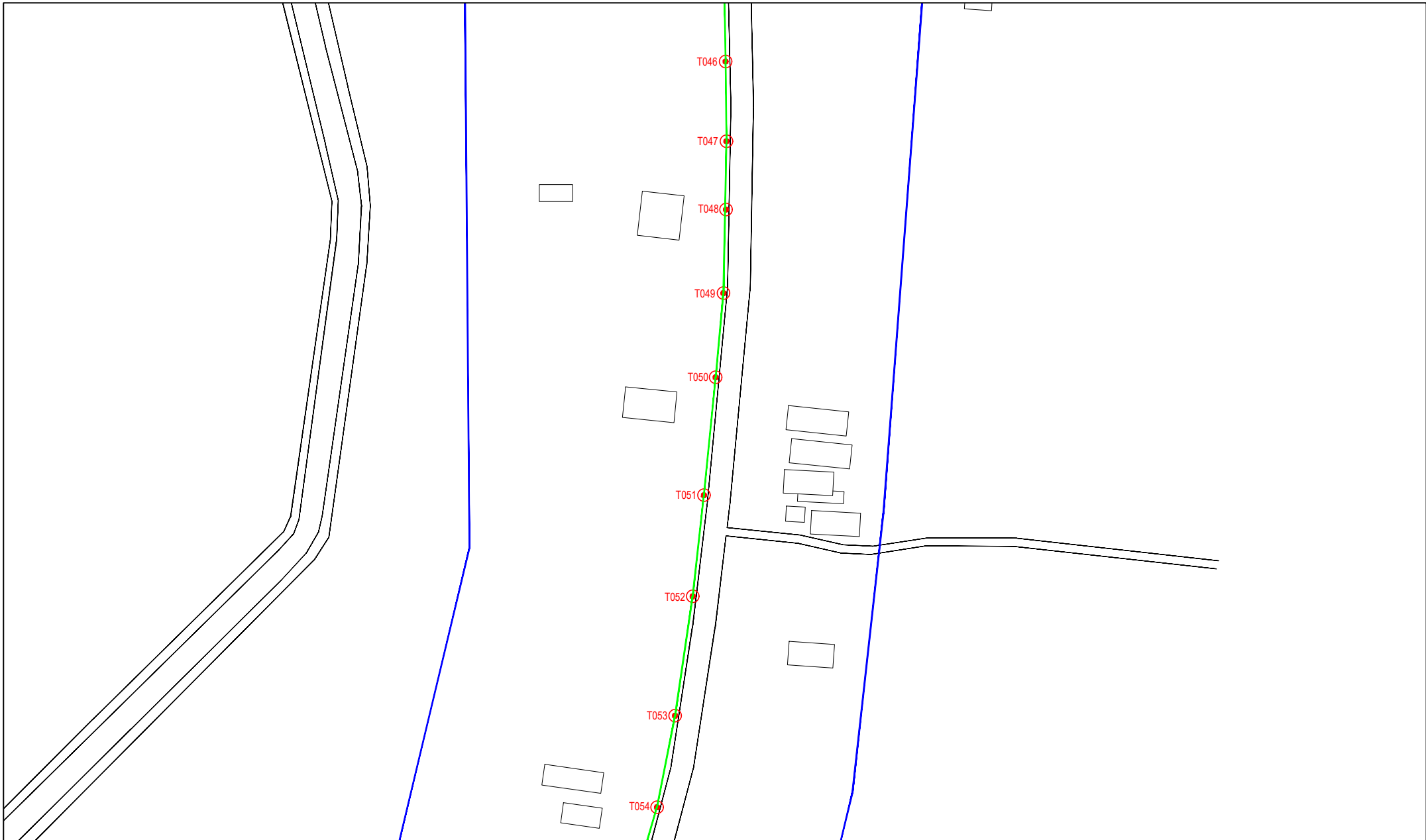
DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 : ABAB207-ABD-01E	
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Sheet :	6/14
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)		MHI	MH NO.
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		New Manhole(JRC7)	2	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	15	HDD (Meter)	60	#		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 MAF SEMBANG,
52200, JALAN P. PERAK,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/3, TAMAN PUNCAK JALIL,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9388 8963
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
ABA8207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER Date : DEC 2024

Drawn By : CAD ENGINEER Scale : NOT TO SCALE

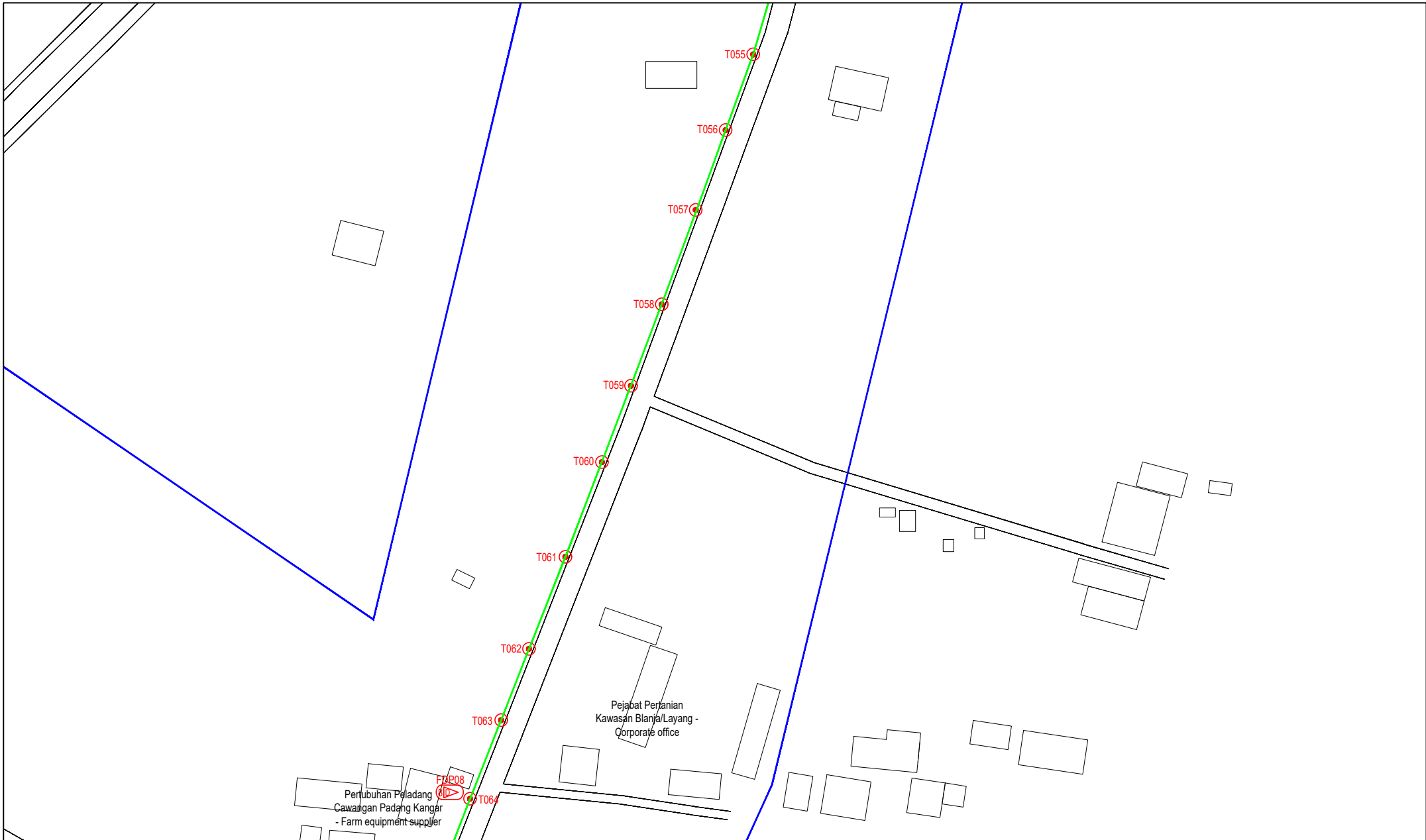
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DRAWING NUMBER :
ABA8207-ABD-01F

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Sheet :
7/14

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		M030	New Manhole (PIT)		Micro-Trenching (Meter)		MH1	MH NO.
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		M07	New Manhole(JRC7)	2	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	15		HDD (Meter)	60	#		CL01	Closure NO.
144C FOC		Existing Closure		Installed Riser		Existing Manhole			Open Cut (Meter)		01		DP1	FDP NO.

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA IMP SENANG,
50200, ALAM P. PINJAZ,
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PAU 3/3, TAMAN PUNCAK JAL,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 8988 9063
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
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 :
ABAB207-ABD-01G

Sheet :
8/14

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Size :
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Design By : ENGINEER
Date : DEC 2024

Drawn By : CAD ENGINEER
Scale : NOT TO SCALE

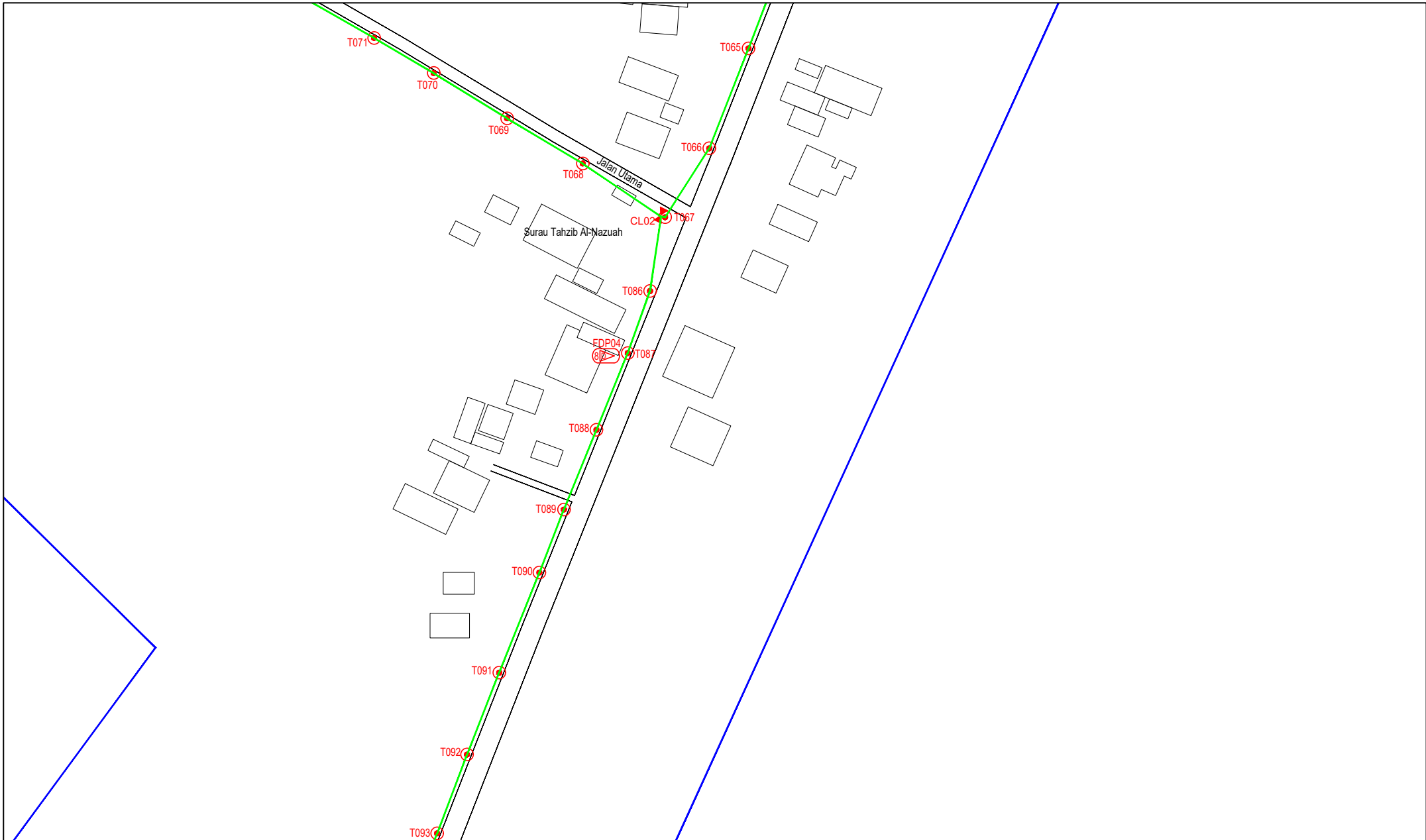
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Job Number : 1

DRAWING NUMBER :
ABAB207-ABD-01G

Sheet :
8/14

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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	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		New Manhole(JRC7)	2	Temporary Infra (Meter)		TKS-1	Existing TNB Pole NO.
48C FOC		FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		PO01	New Pole NO.
96C FOC		Closure	2	Existing TNB Pole		FDP with (1:8) splitter	15	HDD (Meter)	60	#	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 :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA IMP SENANG
52000 JALAN P. PERAK
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
1222 JALAN PULU 3/3, TAMAN PUNCAK JALIL,
PENGKALAN PUTIH, PERAK,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9388 9903
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

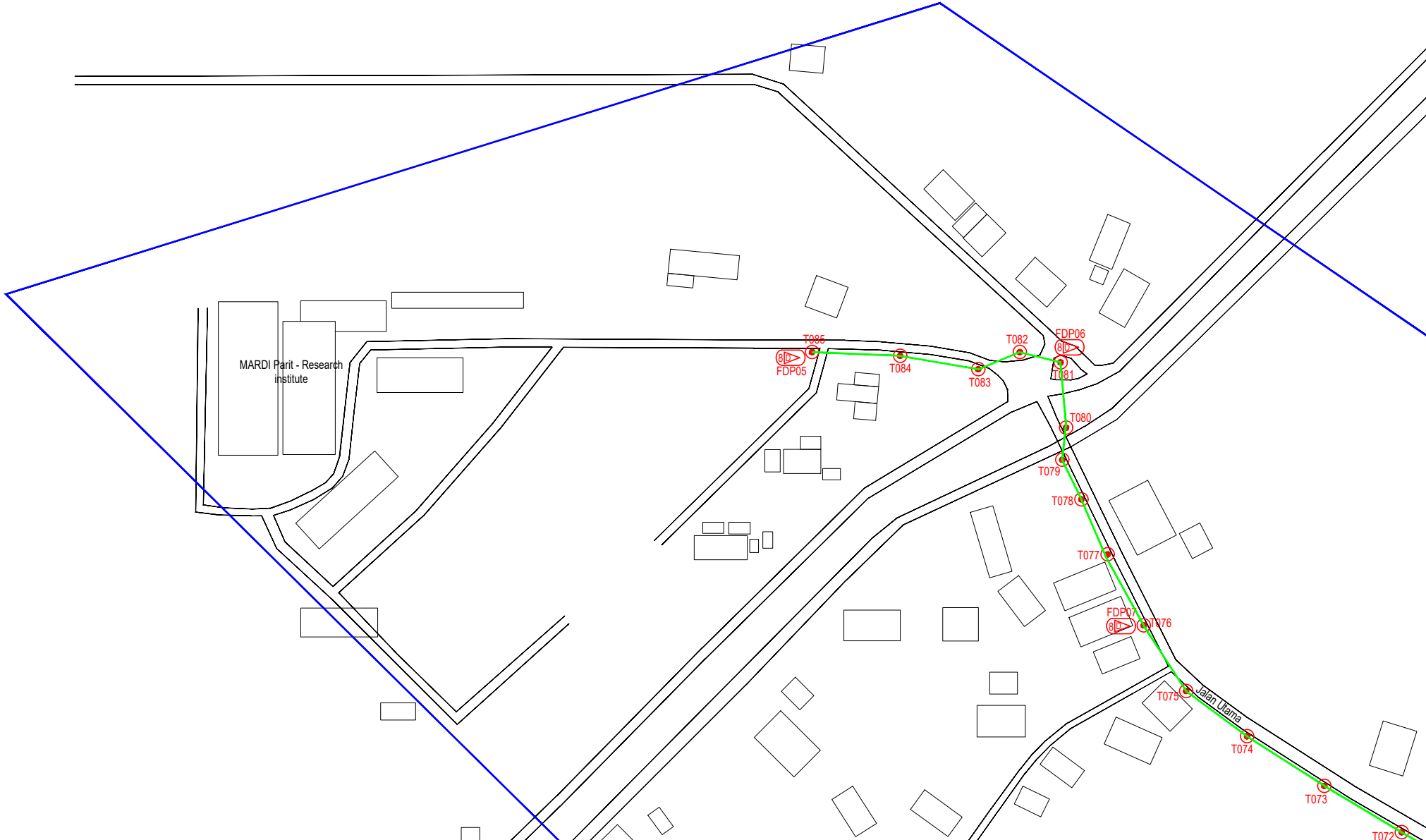
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 : ABAB207-ABD-01H	Sheet : 9/14
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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		New Manhole (PIT)		Micro-Trenching (Meter)		MH1	MH NO.
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		New Manhole(JRC7)	2	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	15	HDD (Meter)	60	#		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 :



MAIN CONTRACTOR :

PROJECT TITLE :

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

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Drawn By : ENGINEER	Date : DEC 2024
Checked By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABAB207-ABD-11	Sheet : 10/14
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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		M030	New Manhole (PIT)	
24C FOC	520	Installed Patch Cord		Installed Pole (7.5M)	138	Tension		M031	New Manhole(JRC7)	
48C FOC		FDC	1	Installed Pole (6.7M)		Pole Ring		M032	FDP Boundary	
96C FOC		Closure	2	Existing TNB Pole		FDP with (1:8) splitter	15	M033	HDD (Meter)	
144C FOC		Existing Closure		Installed Riser		Existing Manhole		M034	Open Cut (Meter)	
								M035	Micro-Trenching (Meter)	
								M036	Temporary Infra (Meter)	
								M037	Loop / Coil (Meter)	
									#	Active Outdoor Cabinet
									CO1	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/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MEDIAN HAP SEMG.
51200 JALAN P. HANAZ
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNCAK JAYA,
MUSKAP PUTRA PERANG,
43200 SERI KEMBANGAN, SELANGOR
TEL: +603 8958 1063
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 ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER
Date : DEC 2024

Drawn By : CAD ENGINEER
Scale : NOT TO SCALE

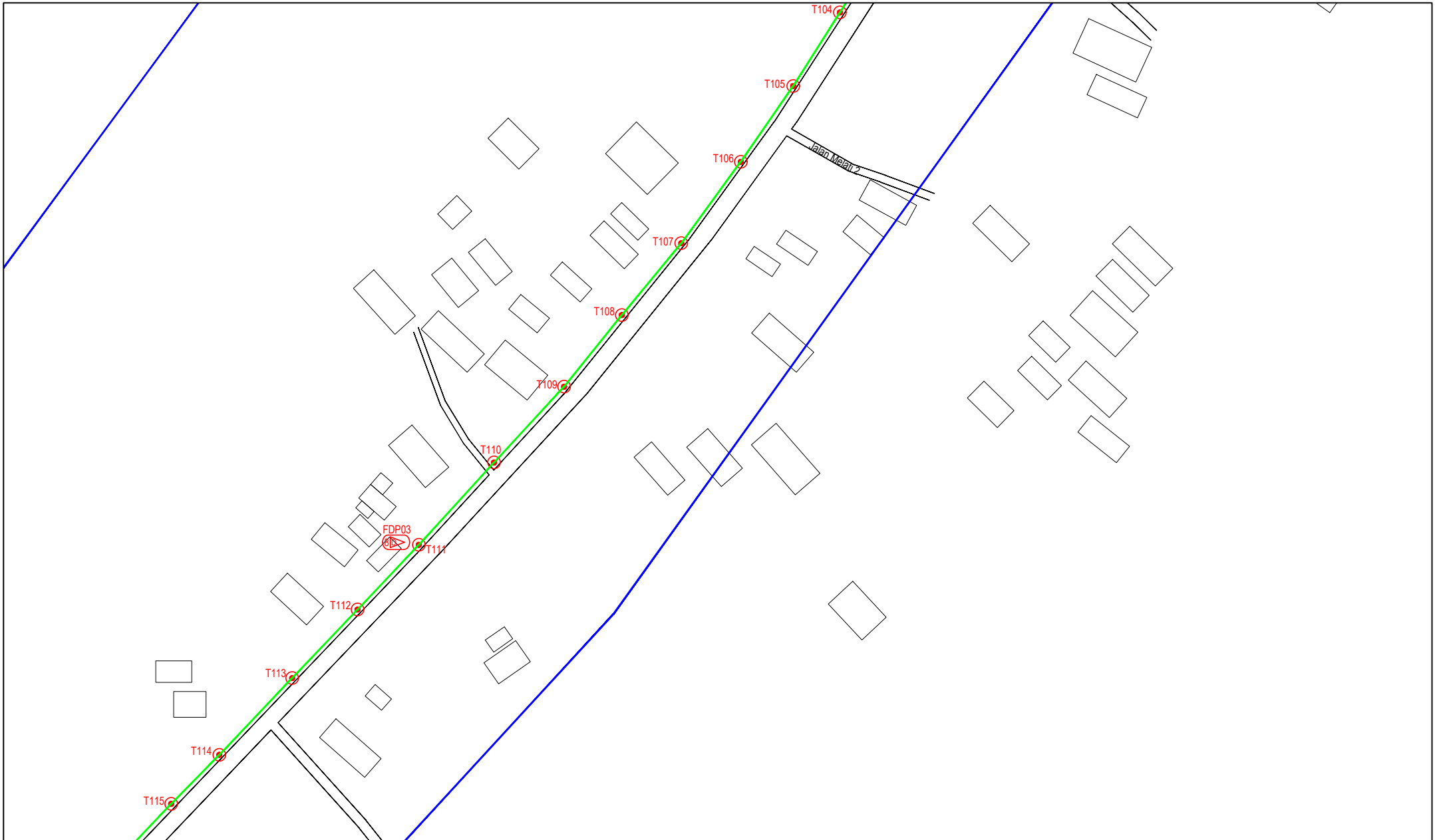
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Job Number : 1

DRAWING NUMBER :
ABAB207-ABD-1J

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Sheet :
11/14

Size :
A3

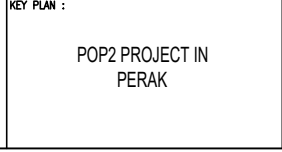


LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	ES30	New Manhole (PIT)	Micro-Trenching (Meter)	MHI	MH NO.	
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	ES7	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing 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		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 :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA 11th SEMBANG
25200, JALAN P. PANJANG
KUALA LUMPUR



MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
1227, JALAN PAU 3/3, TAMAN PANGKAL JAYA,
BANGSAR UTARA, PERAK
43200 SERI KEMBANGAN, SELANGOR
TEL : +603 9388 5553
E-MAIL : info@wcwlcommunications.com.my

PROJECT TITLE :

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

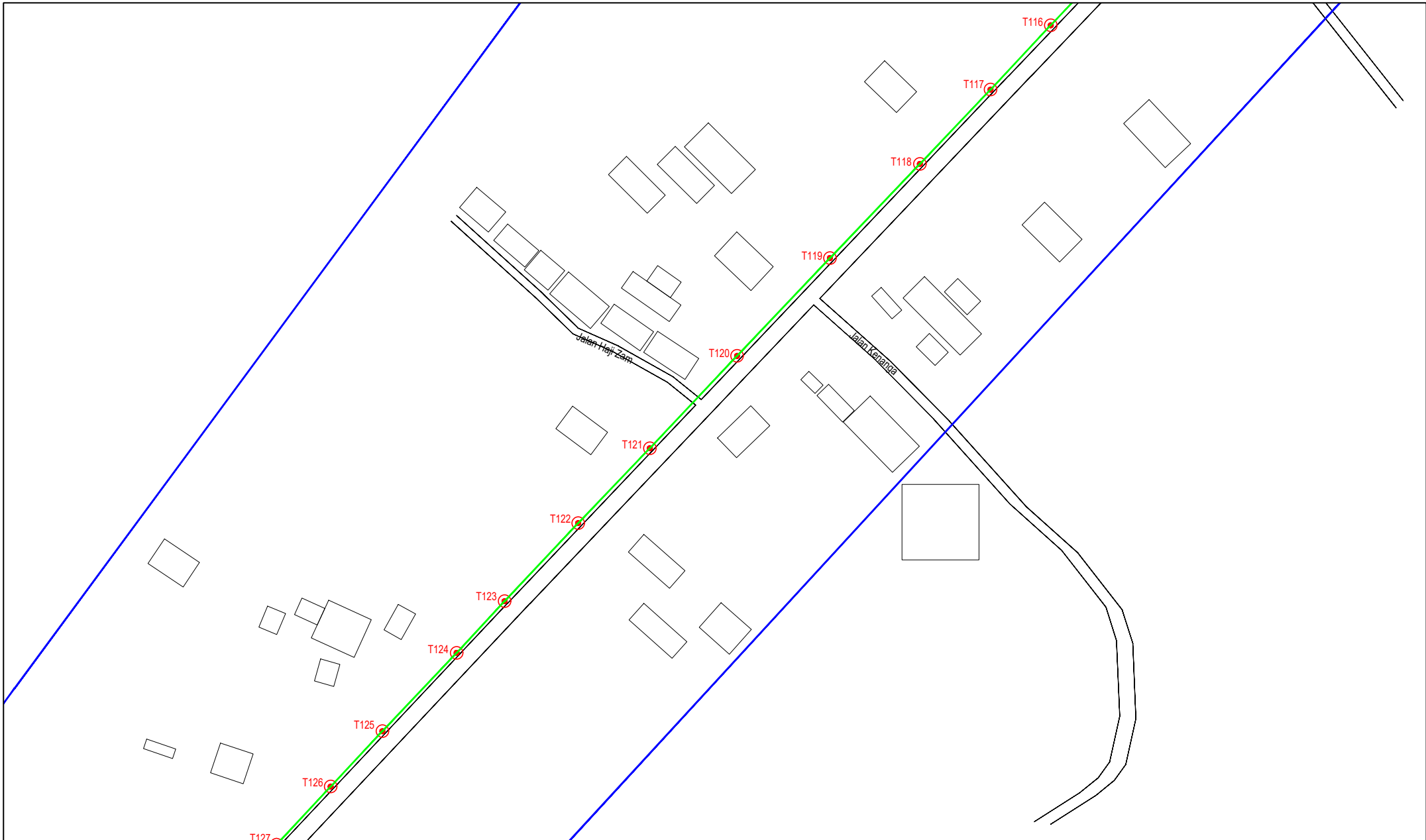
DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 : ABAB207-ABD-1K	Sheet : 12/14
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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	ES0	New Manhole (PIT)	Micro-Trenching (Meter)	MHI	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		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 SENI,
50250 JALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/3, TAMAN PANGKAL JAYA,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9088 9603
E-MAIL: info@wcwlcommunications.com.my

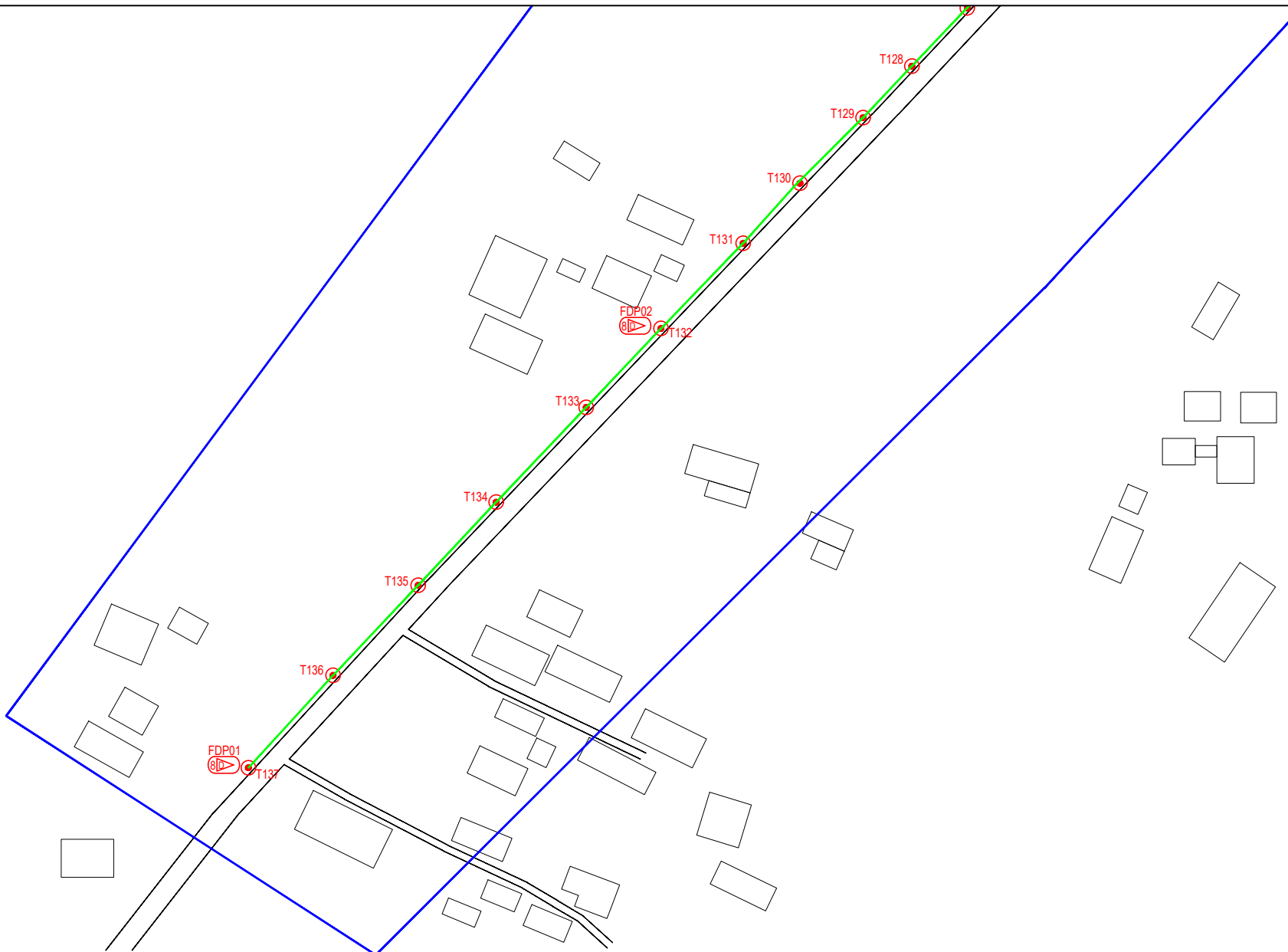
PROJECT TITLE :

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

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

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 : ABAB207-ABD-1L	Sheet : 13/14
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Size : A3	




LEGEND	NOS.	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	Micro-Trenching (Meter)	1	MH1	MH NO.
24C FOC	2	Installed Patch Cord	2	Installed Pole (7.5M)	2	Tension	2	New Manhole(JRC7)	2	Temporary Infra (Meter)	2	TKS-1	Existing TNB Pole NO.
48C FOC	4	FDC	4	Installed Pole (6.7M)	4	Pole Ring	4	FDP Boundary	4	Loop / Coil (Meter)	4	P001	New Pole NO.
96C FOC	9	Closure	9	Existing TNB Pole	9	FDP with (1:8) splitter	9	HDD (Meter)	9	#	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC	14	Existing Closure	14	Installed Riser	14	Existing Manhole	14	Open Cut (Meter)	14	001	FDC NO.	DP1	FDP NO.

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, BERKAS IMP SDG,
62000 ALAM P. PERAK
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNCAK JAYA,
BANDAR PUTRA PERANG,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 9988 5963
E-MAIL : info@wcwcommunications.com.my

PROJECT TITLE :

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

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
ABA8207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
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