

TECHNICAL PROPOSAL POP2

ABA8247 SEKOLAH KEBANGSAAN CHENDERONG KELUBI (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	:	27/01/2025



POINT A

POINT B

Starting Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN CHENDERONG KELUBI
Address	:	No. 1, Kampung Chenderong Kelubi
District	:	Tanjung Tualang
Postcode	:	31800
State	:	Perak
GPS Coordinate	:	4.219854, 101.078842
LRD	:	A

End Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN SUAK PADI
Address	:	Kampung Chenderong Kelubi
District	:	Tanjung Tualang
Postcode	:	31800
State	:	Perak
GPS Coordinate	:	4.224278, 101.077930
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	47
3	Joint Closure	EA	3
4	Estimated time required for completion	days	30



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))



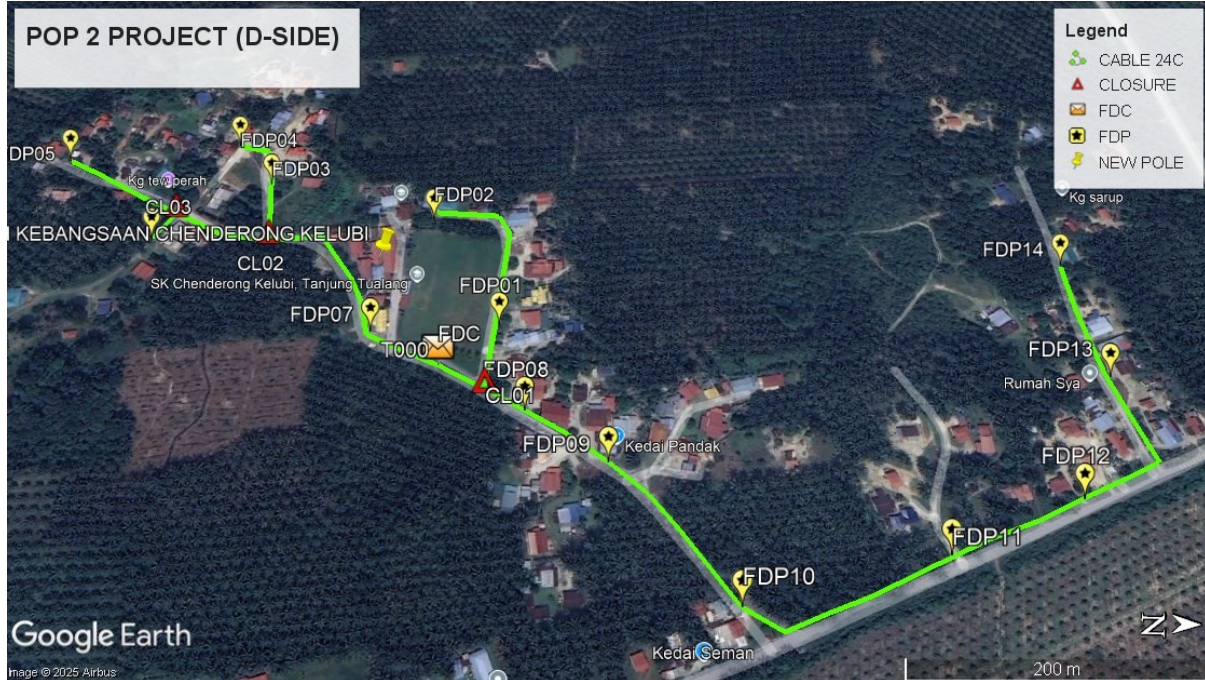
Local Authority Summary

1. Daerah Perak Tengah

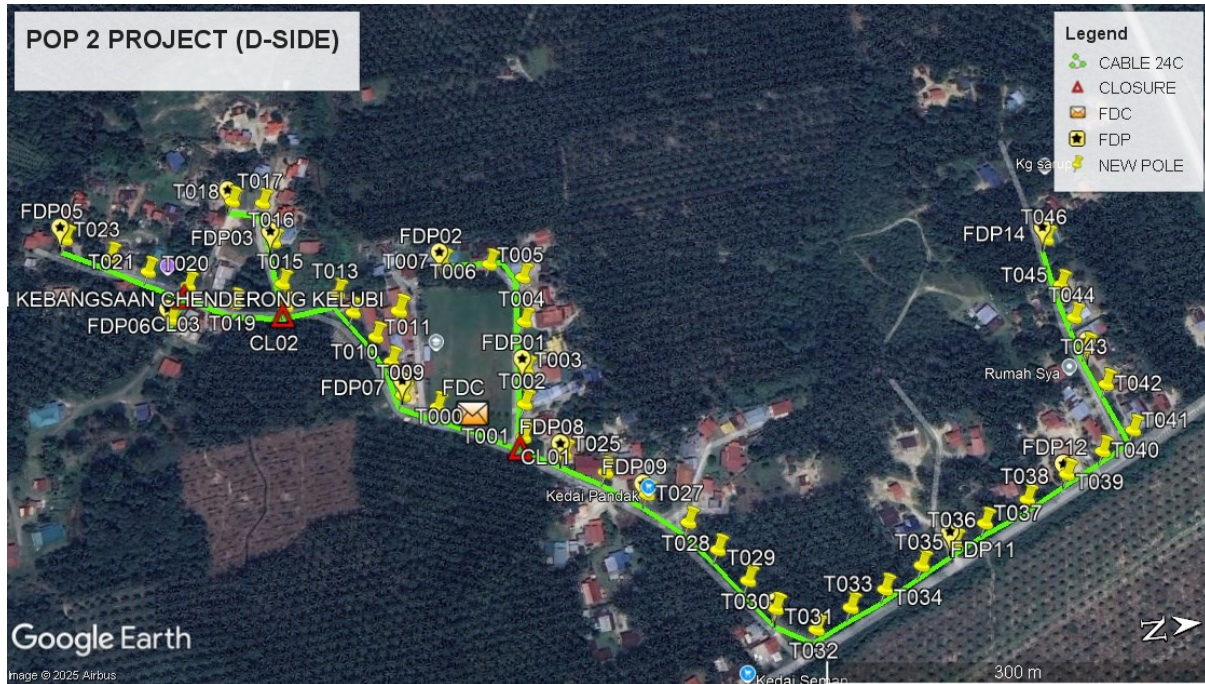
Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	-	-
		Majlis	47pcs	1630m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				1630m

Site Plan – KMZ (Overview site area)

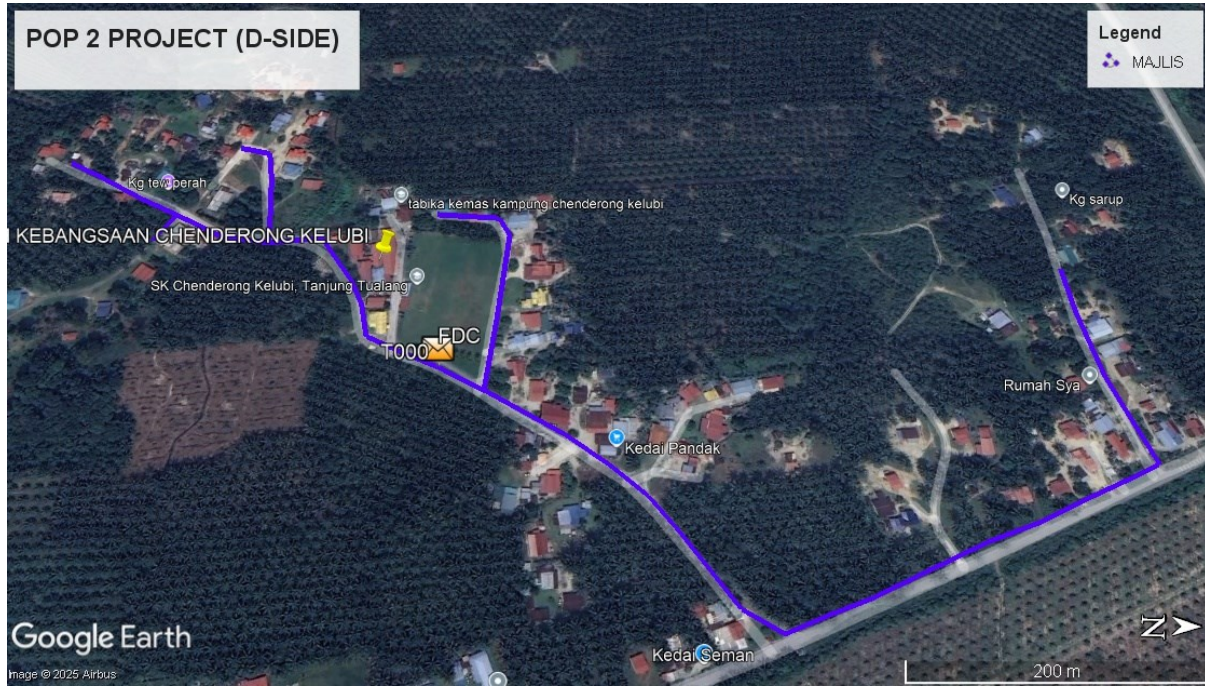
Proposed FDP and Closure



Proposed New Pole



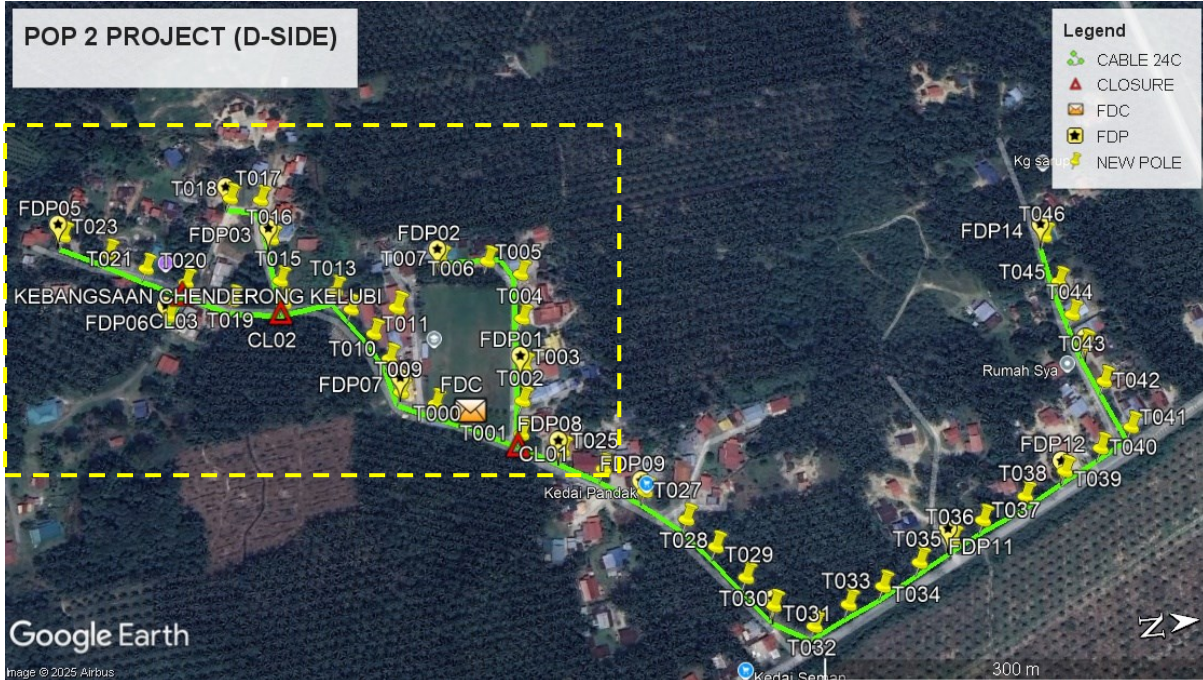
Site Plan – KMZ Routing (All Local Authority)



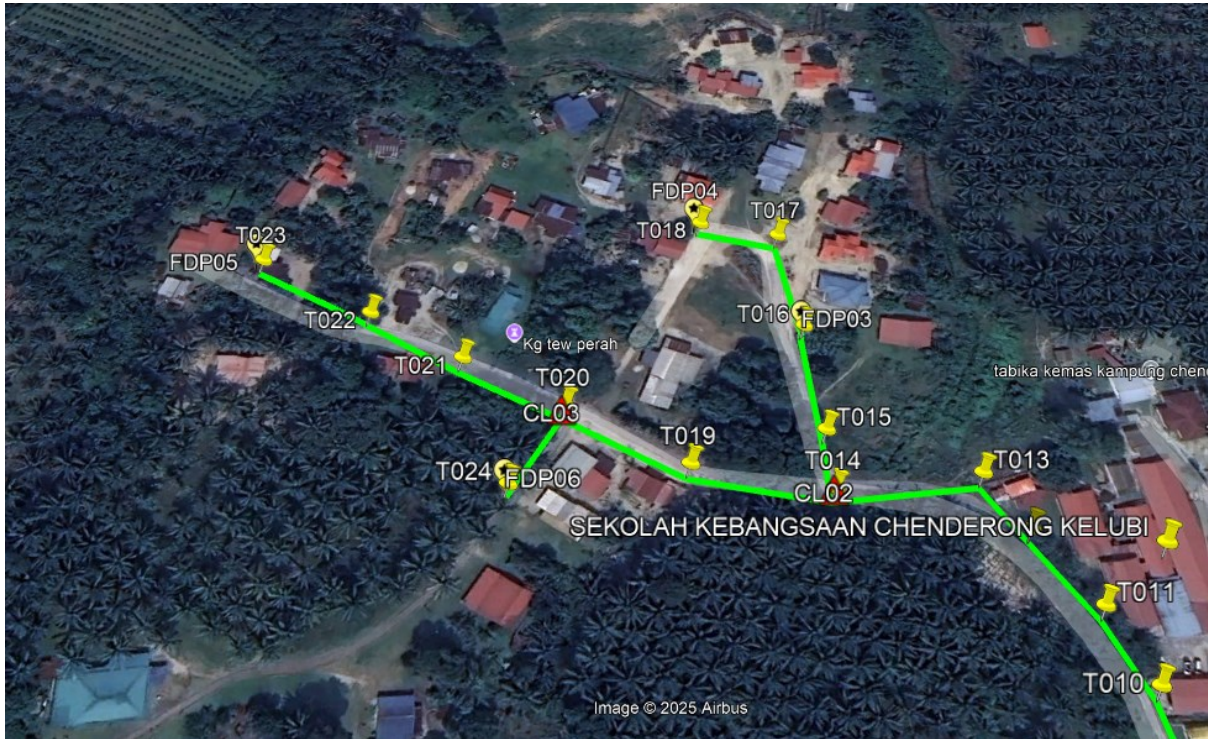
Blue - Majlis Perbandaran Perak Tengah

Site Plan – KMZ Routing (All site area)

Route 1

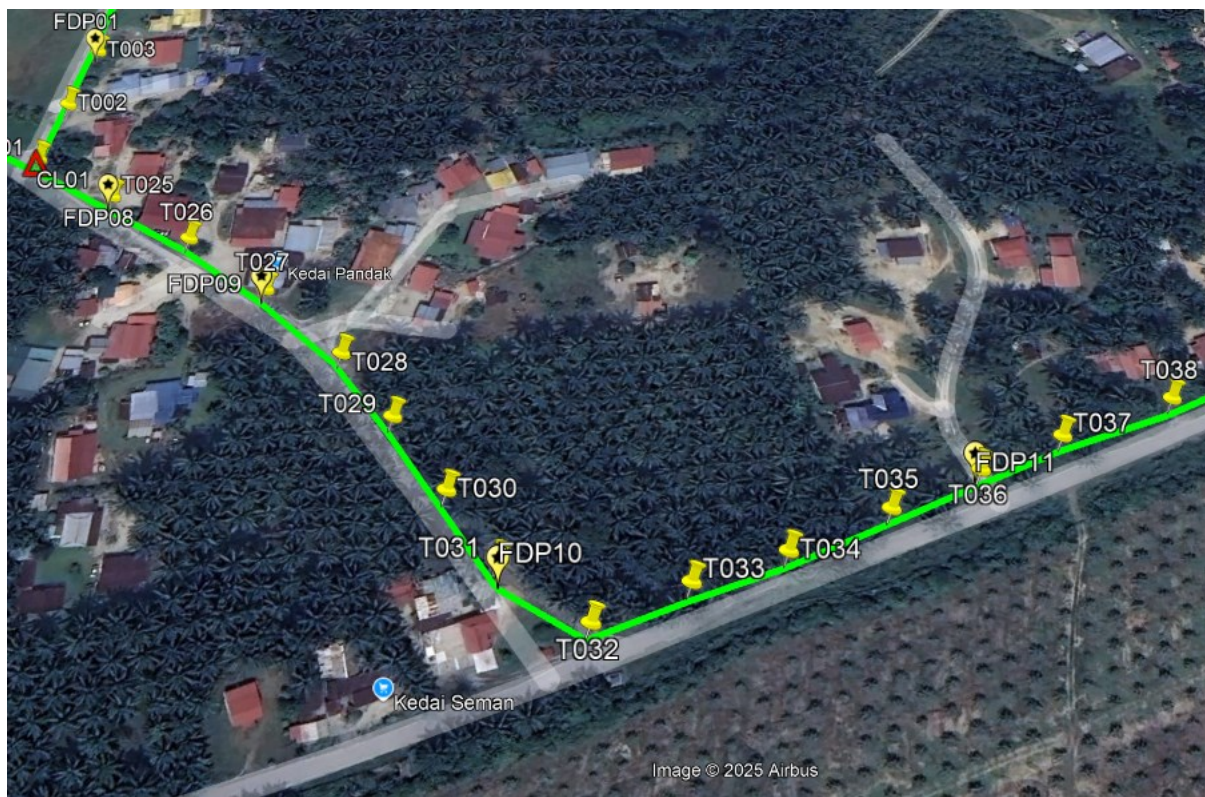
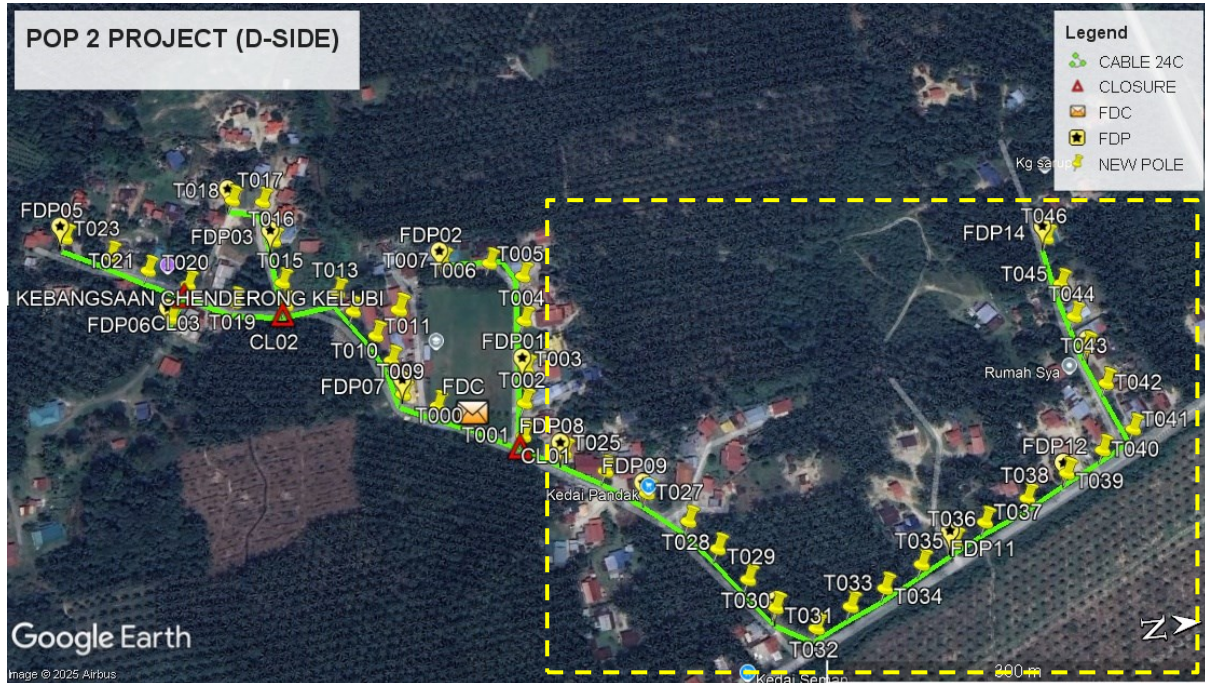


Route 1.1

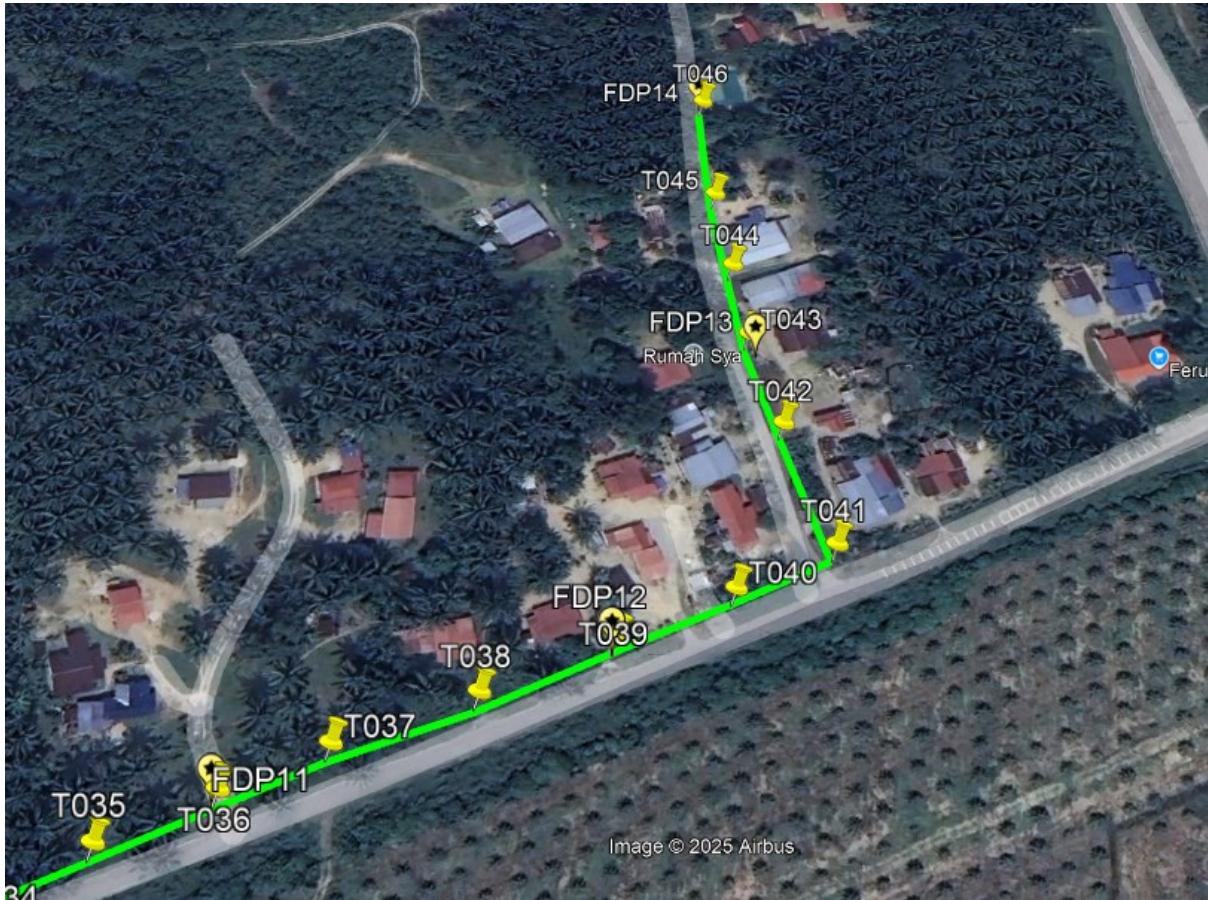


Route 1.2

Route 2



Route 2.1



Route 2.2

Overall Pole (Proposed New)

No.	Pole ID	Distance (m)	Latitude	Longitude	Local Authority
1	T000	0.00	4.219854	101.078842	Majlis Perbandaran Perak Tengah
2	T001 (Pole 9m)	41.91	4.220184798	101.0790218	Majlis Perbandaran Perak Tengah
3	T002 (Pole 9m)	27.31	4.220215341	101.0787784	Majlis Perbandaran Perak Tengah
4	T003	28.36	4.220249227	101.0785259	Majlis Perbandaran Perak Tengah
5	T004	41.00	4.220269349	101.0781581	Majlis Perbandaran Perak Tengah
6	T005	38.07	4.220290866	101.0778168	Majlis Perbandaran Perak Tengah
7	T006	30.44	4.220049889	101.0776876	Majlis Perbandaran Perak Tengah
8	T007	39.73	4.219696524	101.0776376	Majlis Perbandaran Perak Tengah
9	T008	122.64	4.219573513	101.0787324	Majlis Perbandaran Perak Tengah
10	T009 (Pole 9m)	30.34	4.219326334	101.0786176	Majlis Perbandaran Perak Tengah
11	T010 (Pole 9m)	30.01	4.219258713	101.0783567	Majlis Perbandaran Perak Tengah
12	T011	25.04	4.219156438	101.0781563	Majlis Perbandaran Perak Tengah
13	T012	28.75	4.218999066	101.0779516	Majlis Perbandaran Perak Tengah
14	T013 (Pole 9m)	21.35	4.218890416	101.0777936	Majlis Perbandaran Perak Tengah
15	T014 (Pole 9m)	44.03	4.218498815	101.0778491	Majlis Perbandaran Perak Tengah
16	T015 (Pole 9m)	19.59	4.218481771	101.0776739	Majlis Perbandaran Perak Tengah
17	T016	37.48	4.218431863	101.077341	Majlis Perbandaran Perak Tengah
18	T017	36.24	4.218363649	101.0770226	Majlis Perbandaran Perak Tengah
19	T018	25.97	4.218133656	101.0769833	Majlis Perbandaran Perak Tengah
20	T019 (Pole 9m)	89.28	4.218117095	101.0777852	Majlis Perbandaran Perak Tengah
21	T020 (Pole 9m)	42.86	4.217772867	101.0776128	Majlis Perbandaran Perak Tengah
22	T021	36.63	4.217476442	101.07747	Majlis Perbandaran Perak Tengah
23	T022	34.90	4.217198095	101.0773257	Majlis Perbandaran Perak Tengah
24	T023	42.68	4.216857724	101.0771493	Majlis Perbandaran Perak Tengah
25	T024	117.26	4.217638435	101.0778564	Majlis Perbandaran Perak Tengah
26	T025	347.65	4.220469026	101.0791758	Majlis Perbandaran Perak Tengah
27	T026	37.04	4.220757756	101.0793412	Majlis Perbandaran Perak Tengah
28	T027 (Pole 9m)	37.98	4.221039685	101.0795332	Majlis Perbandaran Perak Tengah
29	T028 (Pole 9m)	40.21	4.221316561	101.0797651	Majlis Perbandaran Perak Tengah
30	T029	31.96	4.2215045	101.0799821	Majlis Perbandaran Perak Tengah
31	T030	33.83	4.221693544	101.0802201	Majlis Perbandaran Perak Tengah
32	T031	30.62	4.221863952	101.080436	Majlis Perbandaran Perak Tengah
33	T032	35.67	4.222132942	101.0806101	Majlis Perbandaran Perak Tengah
34	T033	32.58	4.222397838	101.0804857	Majlis Perbandaran Perak Tengah
35	T034	31.37	4.222661626	101.0803867	Majlis Perbandaran Perak Tengah
36	T035	35.56	4.222949747	101.0802487	Majlis Perbandaran Perak Tengah
37	T036 (Pole 9m)	32.28	4.223209008	101.0801187	Majlis Perbandaran Perak Tengah
38	T037 (Pole 9m)	30.17	4.223453257	101.0800012	Majlis Perbandaran Perak Tengah
39	T038	40.24	4.223788456	101.079866	Majlis Perbandaran Perak Tengah
40	T039	39.33	4.224108649	101.0797167	Majlis Perbandaran Perak Tengah
41	T040 (Pole 9m)	35.81	4.224399133	101.0795785	Majlis Perbandaran Perak Tengah



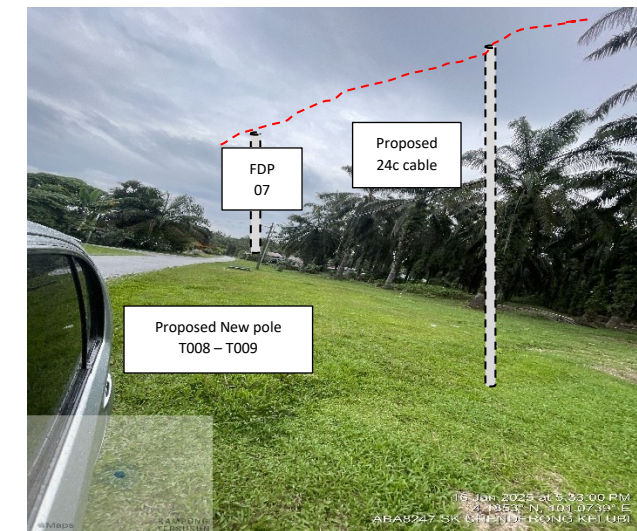
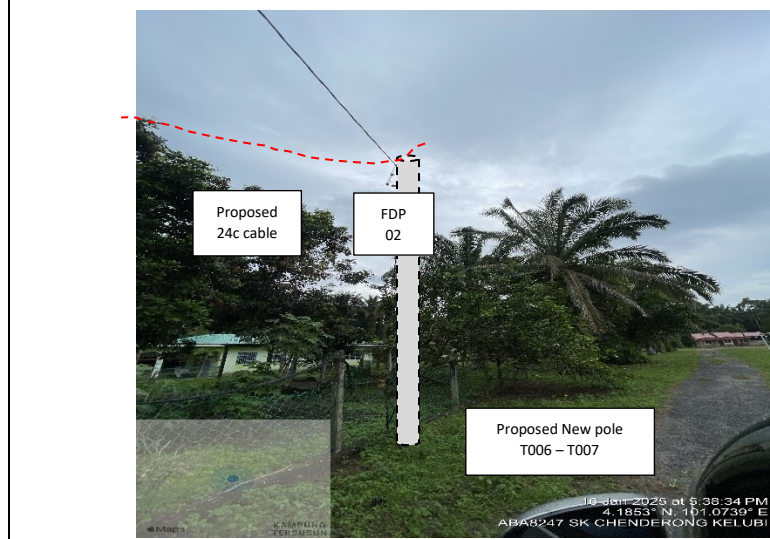
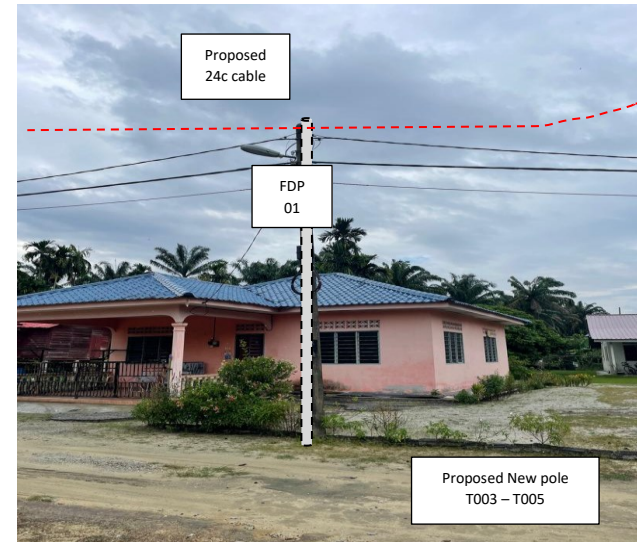
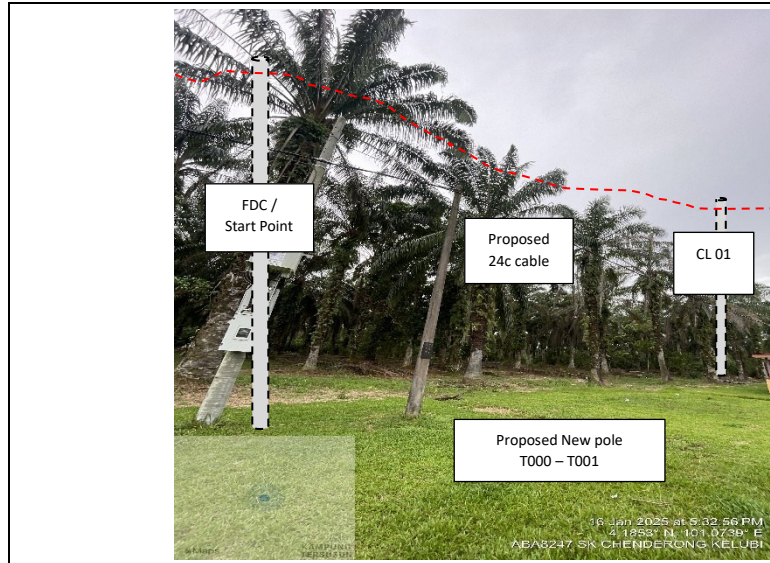
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))

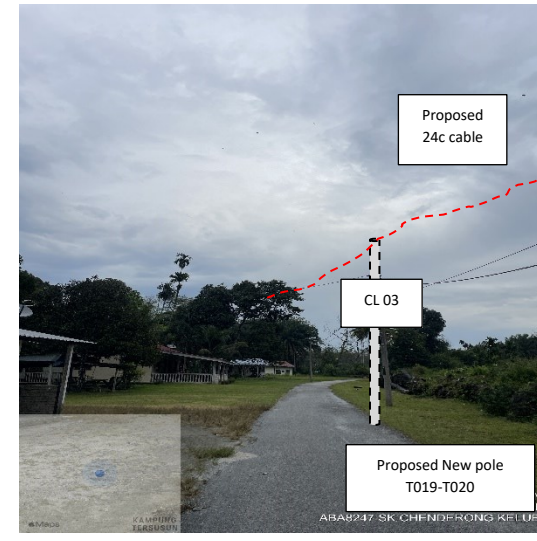
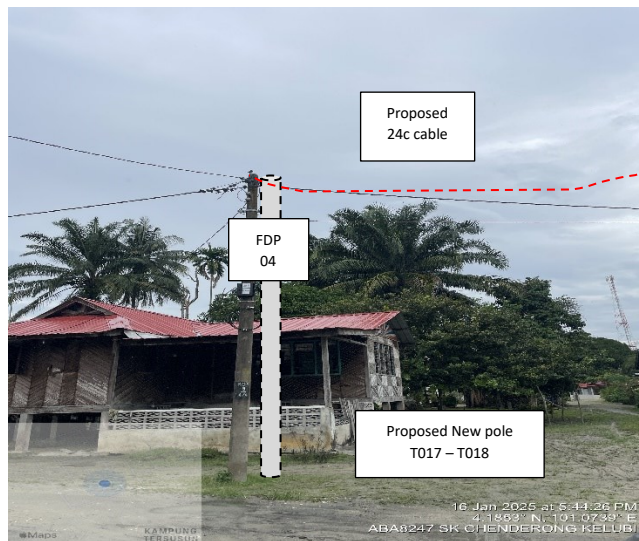
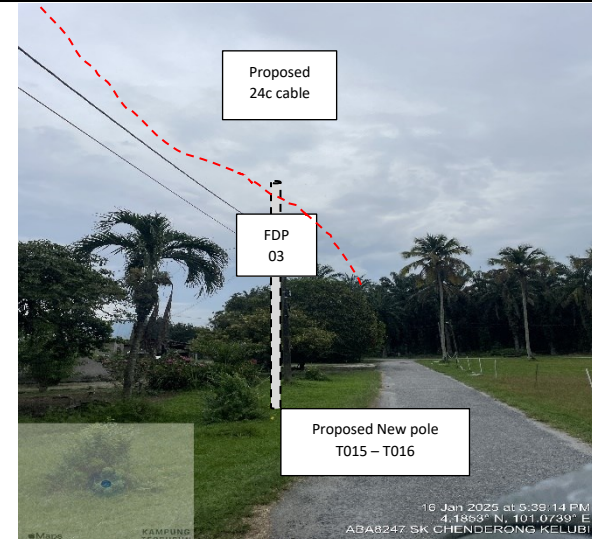
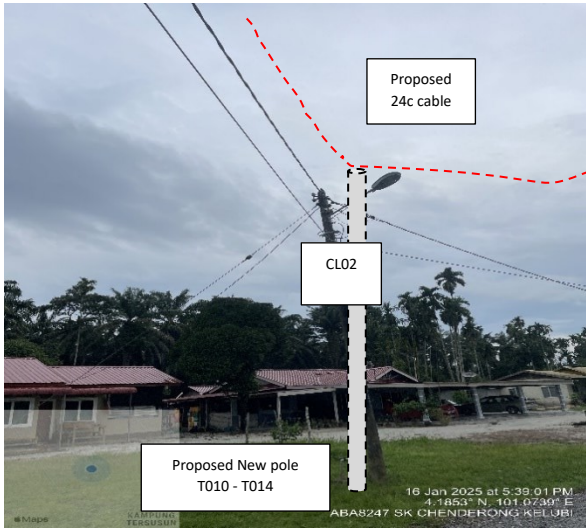


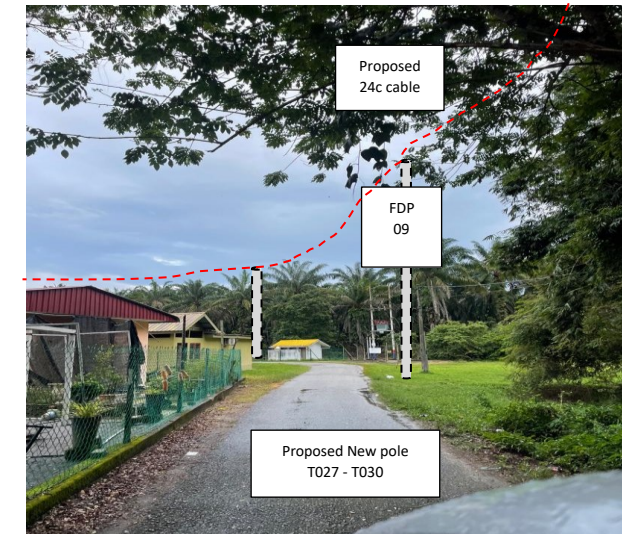
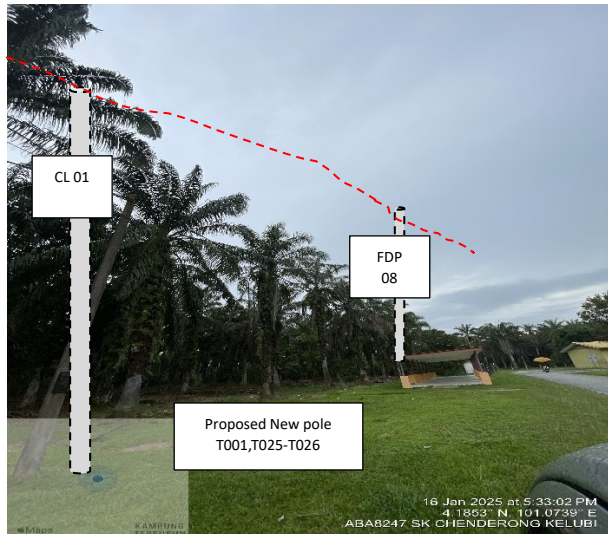
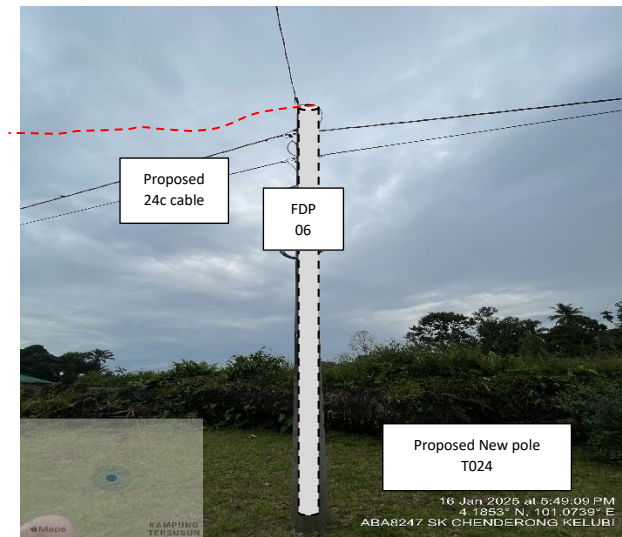
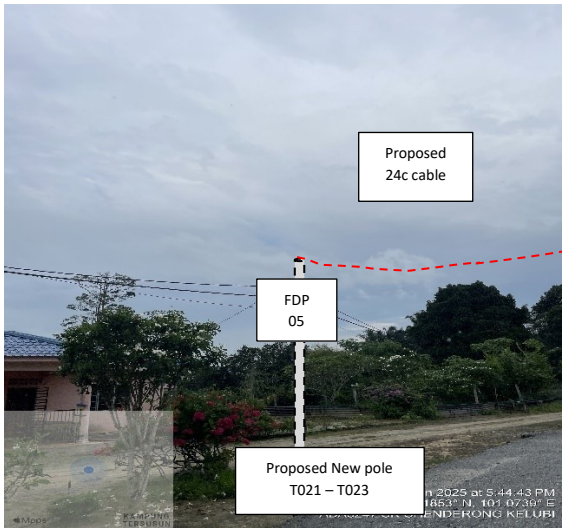
42	T041 (Pole 9m)	31.60	4.224652142	101.0794497	Majlis Perbandaran Perak Tengah
43	T042	42.45	4.224518612	101.0790925	Majlis Perbandaran Perak Tengah
44	T043	33.55	4.224425115	101.0788061	Majlis Perbandaran Perak Tengah
45	T044	26.98	4.224377519	101.0785684	Majlis Perbandaran Perak Tengah
46	T045	29.53	4.224323349	101.0783087	Majlis Perbandaran Perak Tengah
47	T046	40.79	4.224279024	101.077945	Majlis Perbandaran Perak Tengah

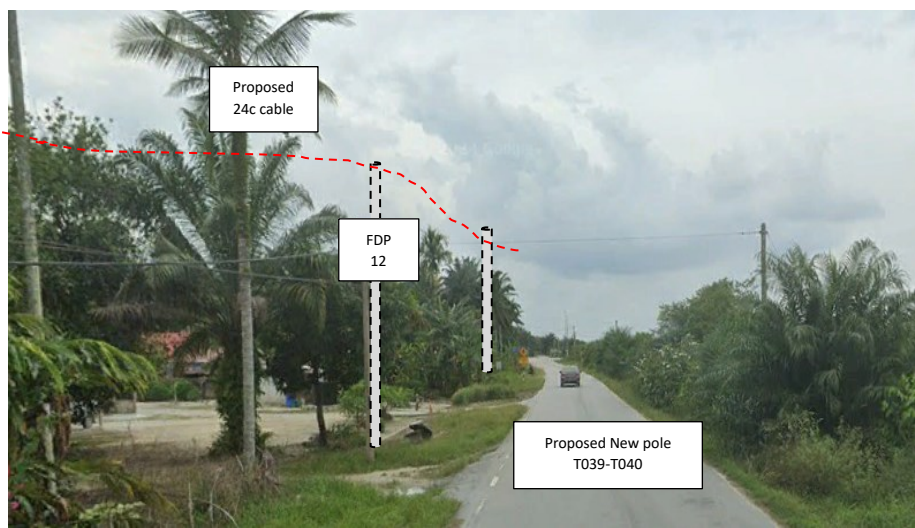
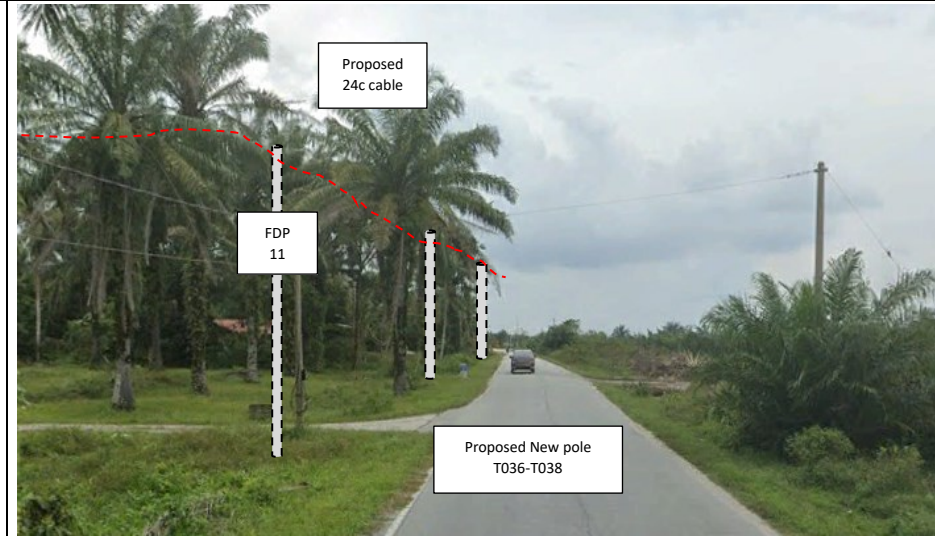
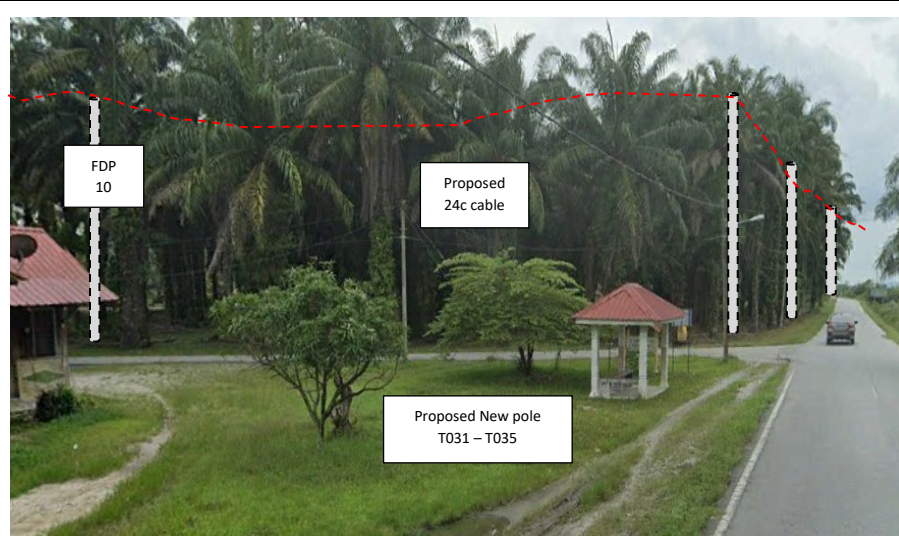
Bil	Type	7.5m	9m	Total
1	No Of Pole	32	15	47

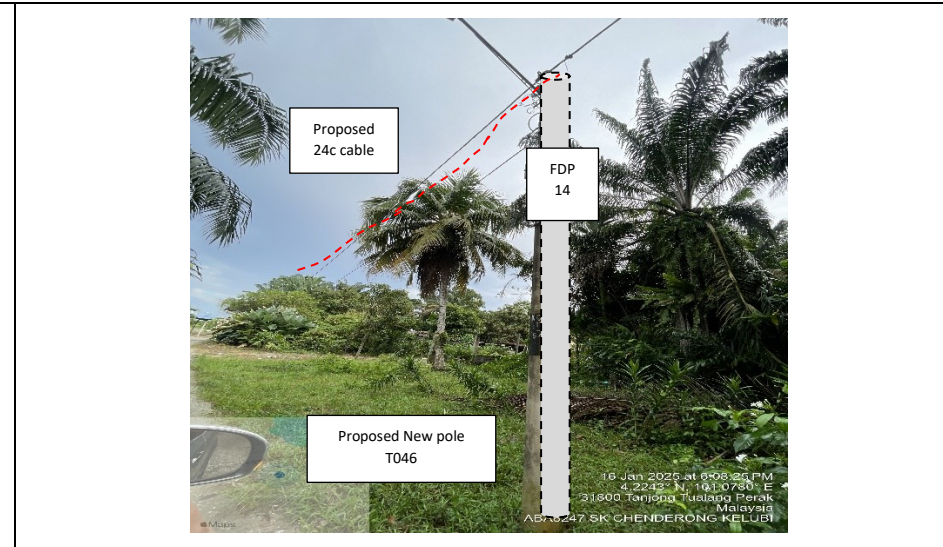
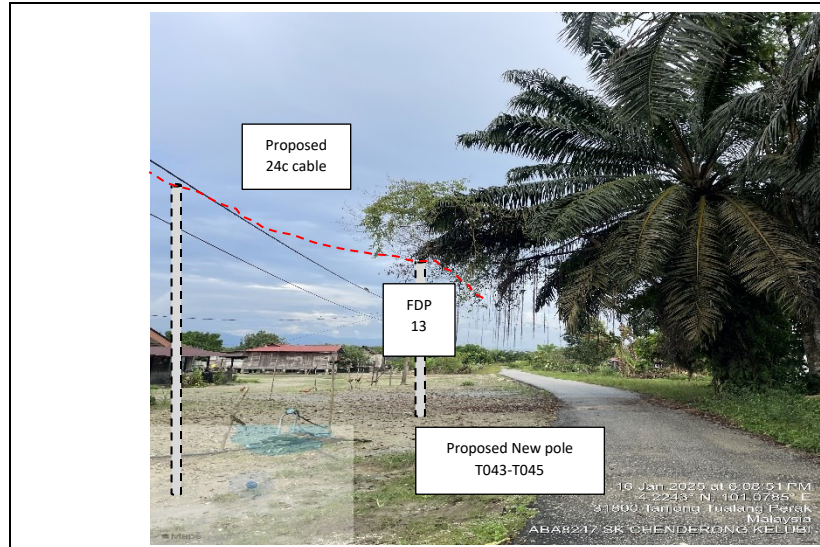
Site Photos – Proposed to install pole











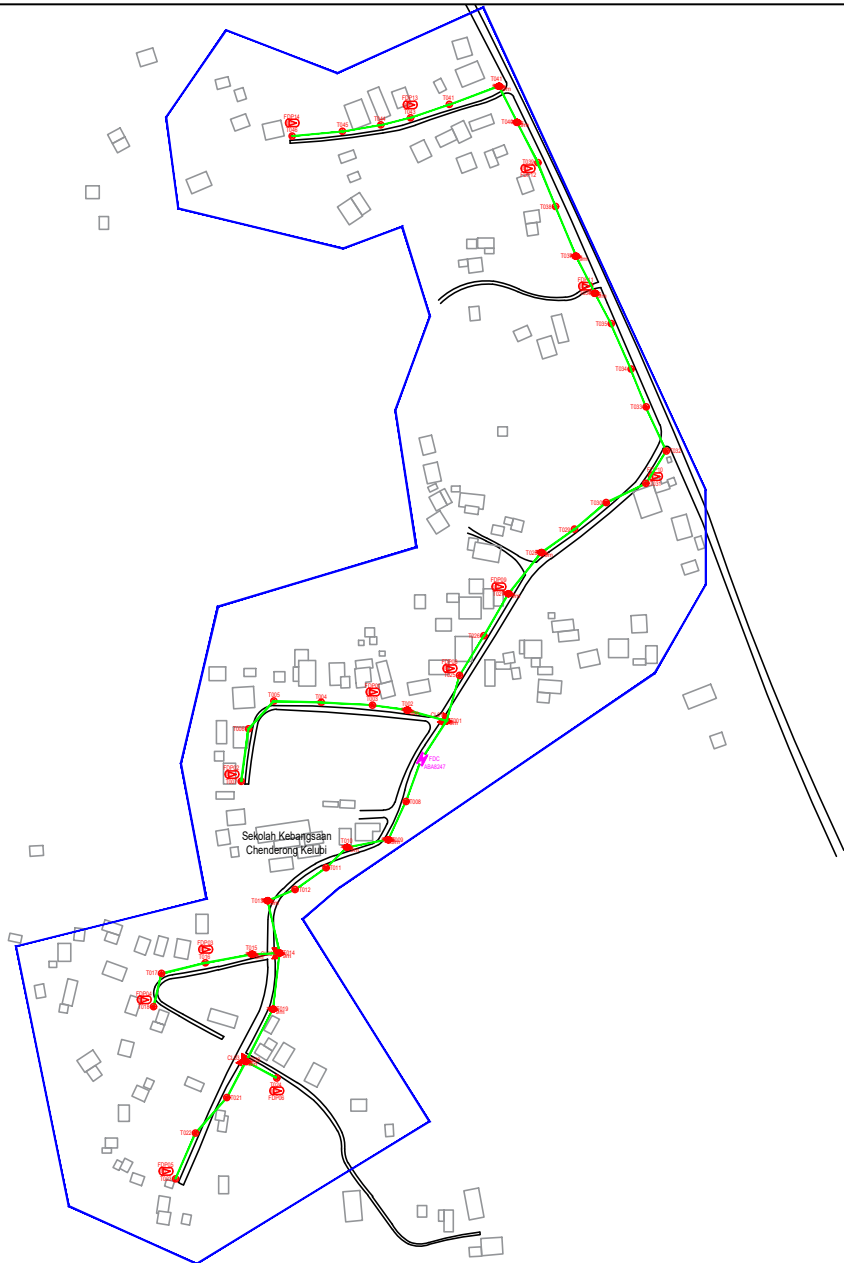


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



3rd Parties Dependencies

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



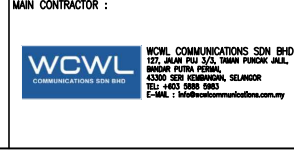
LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.				
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)	15	Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH1	MH NO.
24C FOC	1630	Installed Patch Cord		Installed Pole (7.5M)	32	Tension		New Manhole(JRC7)		Temporary Infra (Meter)		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	3	Existing TNB Pole		FDP with (1:8) splitter	14	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 :



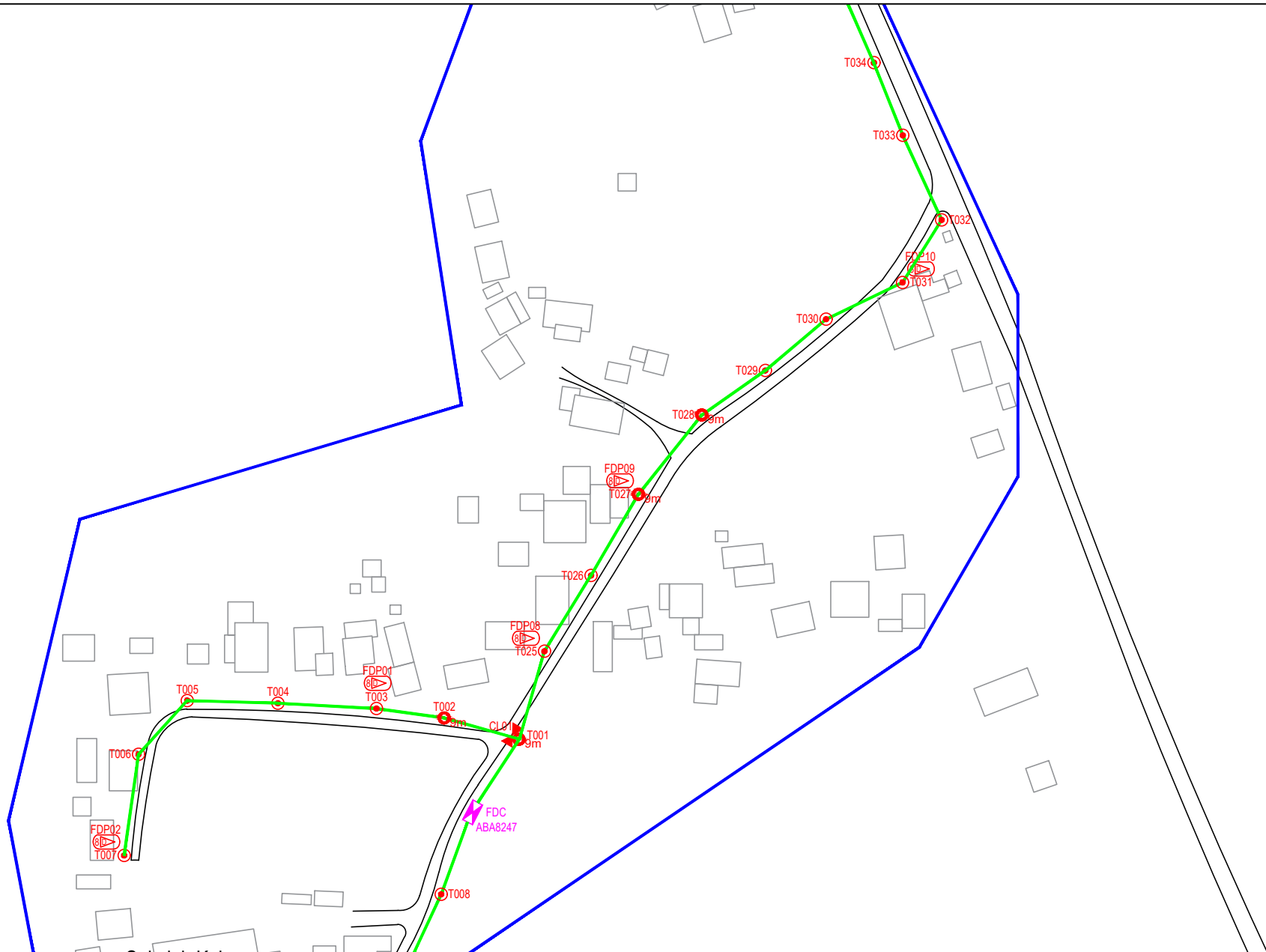
MAIN CONTRACTOR :

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

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING
ABA8247
SEKOLAH KEBANGSAAN
CHENDERONG KELUBI

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : JAN 2025
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABA8247-ABD-01	Sheet : 1/4
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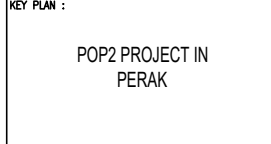


LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)	15	Suspension		New Manhole (PIT)	
24C FOC	1630	Installed Patch Cord		Installed Pole (7.5M)	32	Tension		New Manhole(JRC7)	
48C FOC		FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary	
96C FOC		Closure	3	Existing TNB Pole		FDP with (1:8) splitter	14	HDD (Meter)	
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)	
								Micro-Trenching (Meter)	
								Temporary Infra (Meter)	
								Loop / Coil (Meter)	
								# Active Outdoor Cabinet	
								FDC NO.	
								MH1 MH NO.	
								TKS-1 Existing TNB Pole NO.	
								P001 New Pole NO.	
								CL01 Closure NO.	
								DP1 FDP NO.	

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK



OWNER/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 JAYA,
MAYANG PUTRA PERMA,
43000 SERI KEMBANGAN, SELANGOR
TEL: +603 9558 9953
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

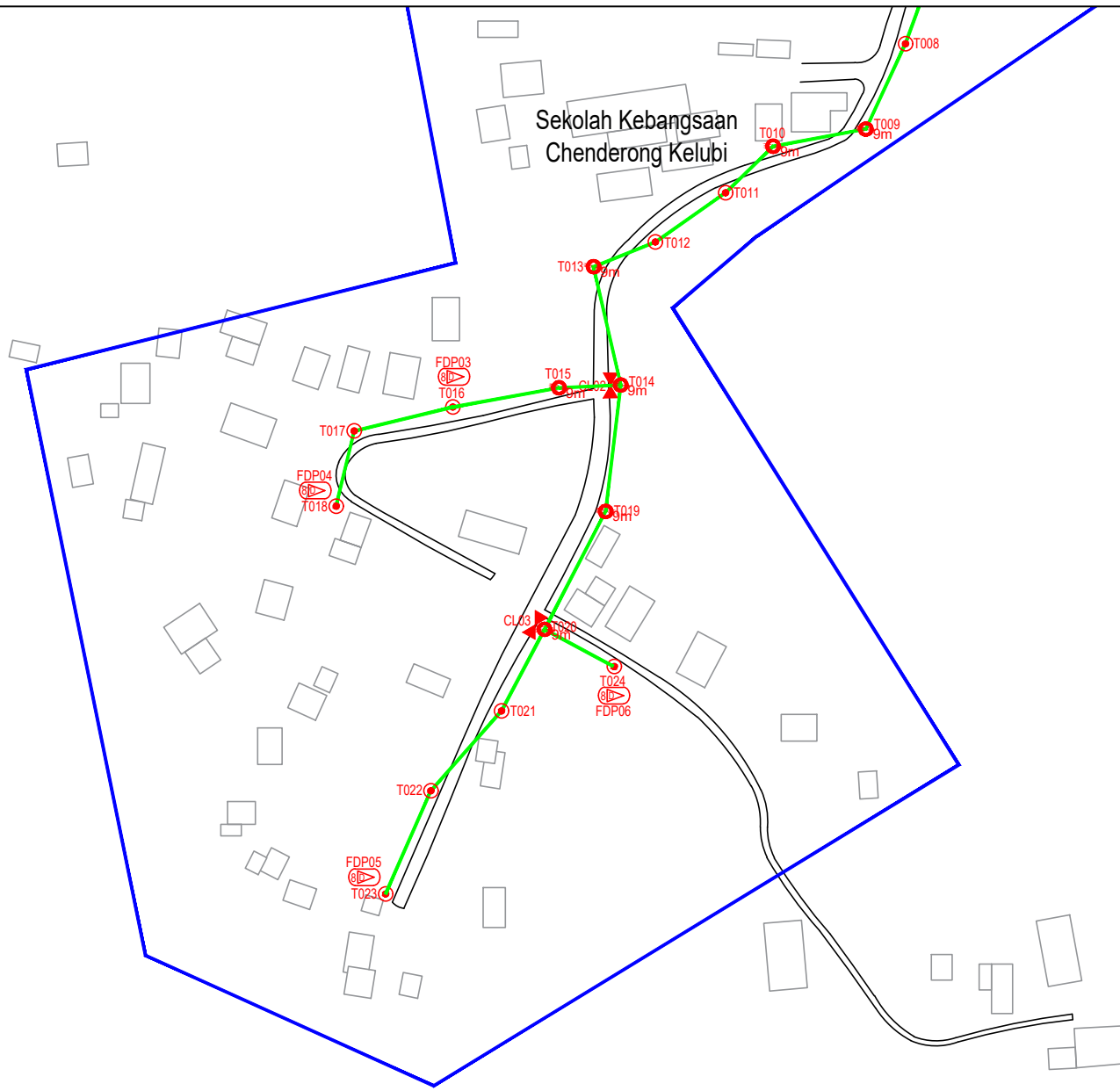
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING ABA8247
SEKOLAH KEBANGSAAN CHENDERONG KELUBI

PROJECT PHASE: POP 2

Design By : ENGINEER	Date : JAN 2025
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
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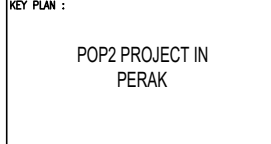


LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.			
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)	15	Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH1	MH NO.
24C FOC	1630	Installed Patch Cord		Installed Pole (7.5M)	32	Tension		New Manhole(JRC7)		Temporary Infra (Meter)		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	3	Existing TNB Pole		FDP with (1:8) splitter	14	HDD (Meter)		#		CL01	Closure NO.
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		Active Outdoor Cabinet		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

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING
ABA8247
SEKOLAH KEBANGSAAN
CHENDERONG KELUBI

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : JAN 2025
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABA8247-ABD-01B	Sheet : 3/4
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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		9m Installed Pole (9m)	15	Suspension		1530 New Manhole (PIT)		Micro-Trenching (Meter)		MH1 MH NO.
24C FOC	1630	Installed Patch Cord		7.5m Installed Pole (7.5M)	32	Tension		1531 New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1 Existing TNB Pole NO.
48C FOC		FDC	1	6.7m Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001 New Pole NO.
96C FOC		Closure	3	Existing TNB Pole		FDP with (1:8) splitter	14	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 :

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POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

MAIN CONTRACTOR :

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CHENDERONG KELUBI

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Design By : ENGINEER	Date : JAN 2025
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
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