

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	3980
2	Carriage Way Open trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro trenching (MT)	m	0
	Total		3980

	Other Information	Unit	Qty
1	Proposed Manhole	EA	23
2	Proposed Pole	EA	24
3	Joint Closure	EA	14
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

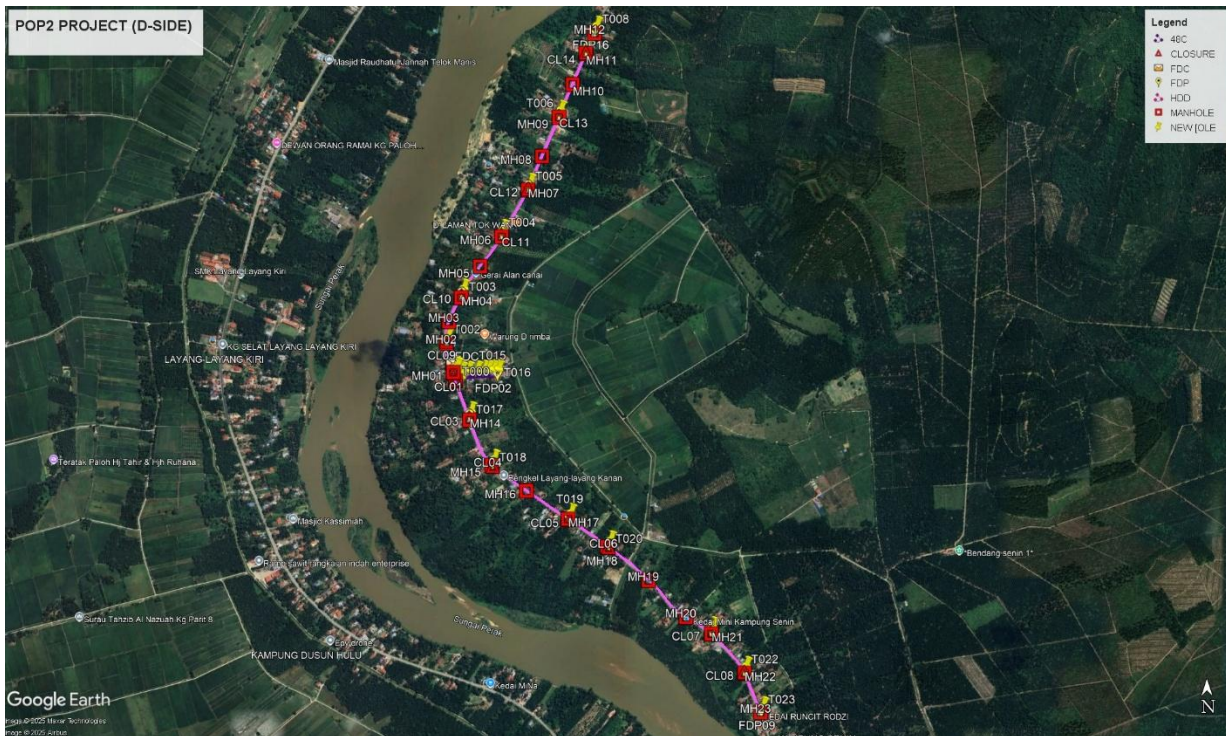
Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	-	3980
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	17	3980
		Majlis	7	210
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				4190

Site Plan – KMZ (Overview site area)

Proposed FDP and Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)

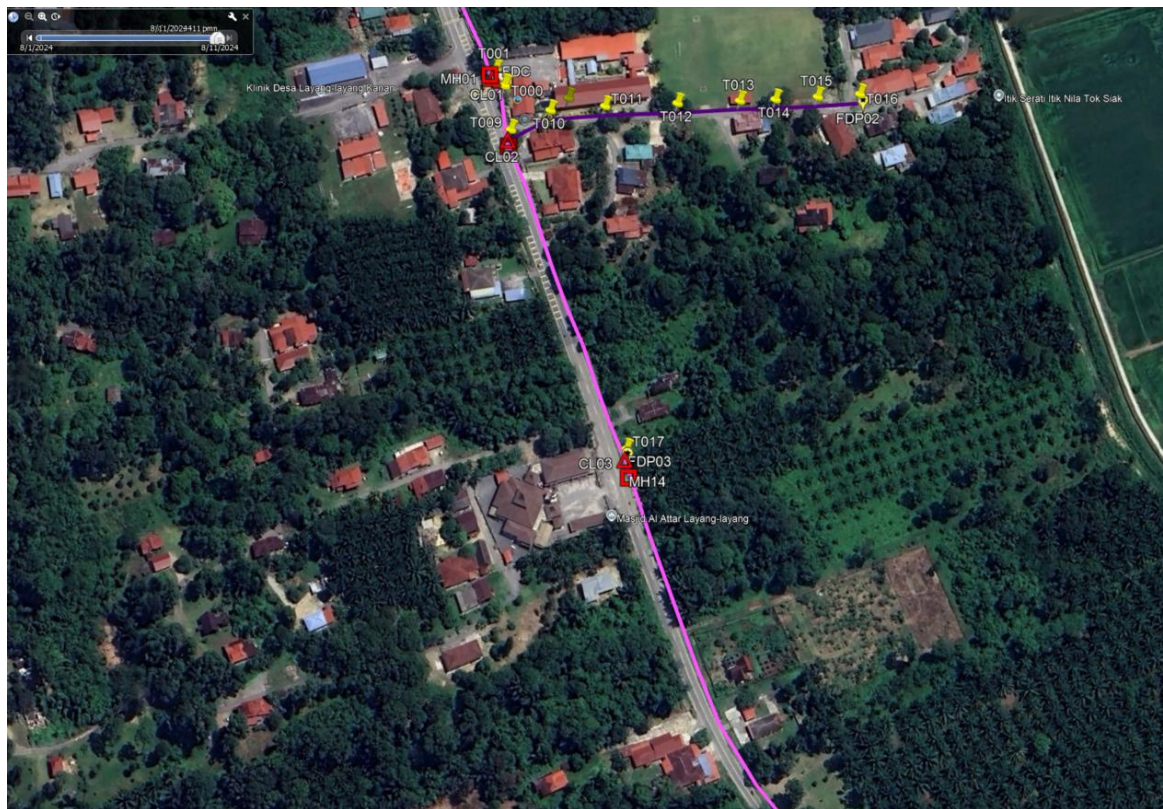
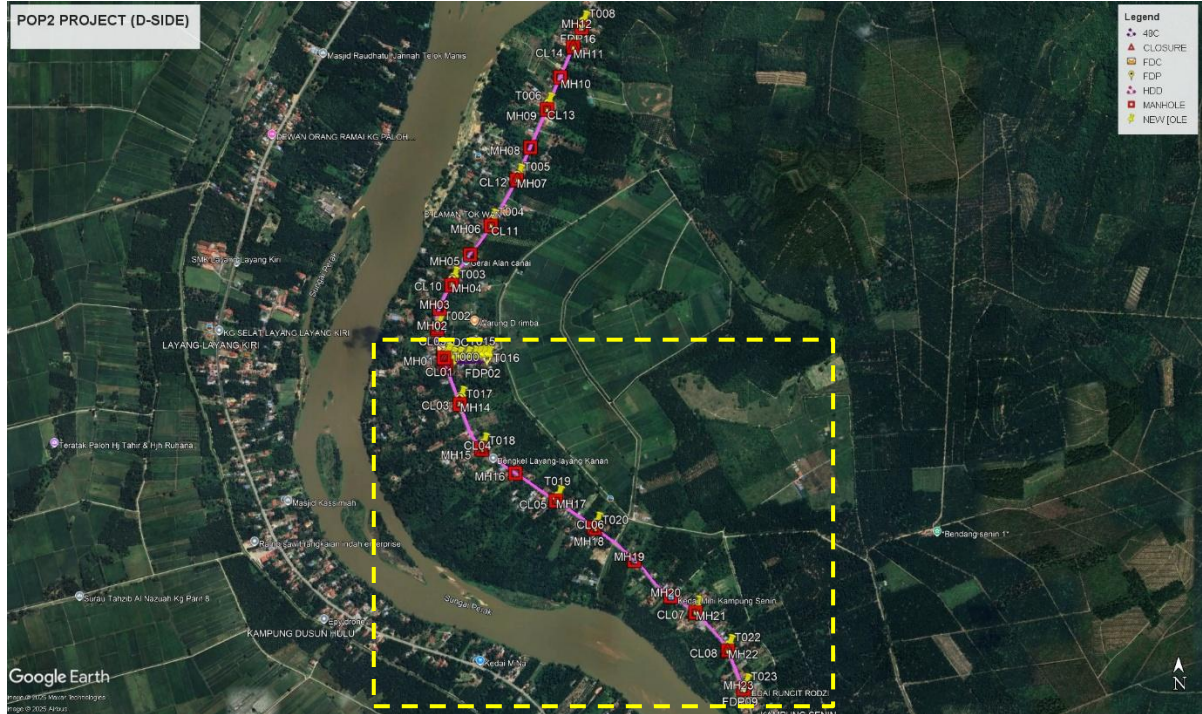


Red – JKR Perak Tengah

Blue - Majlis Perbandaran Perak Tengah

Site Plan – KMZ Routing (All site area)

Route 1



Route 1.1

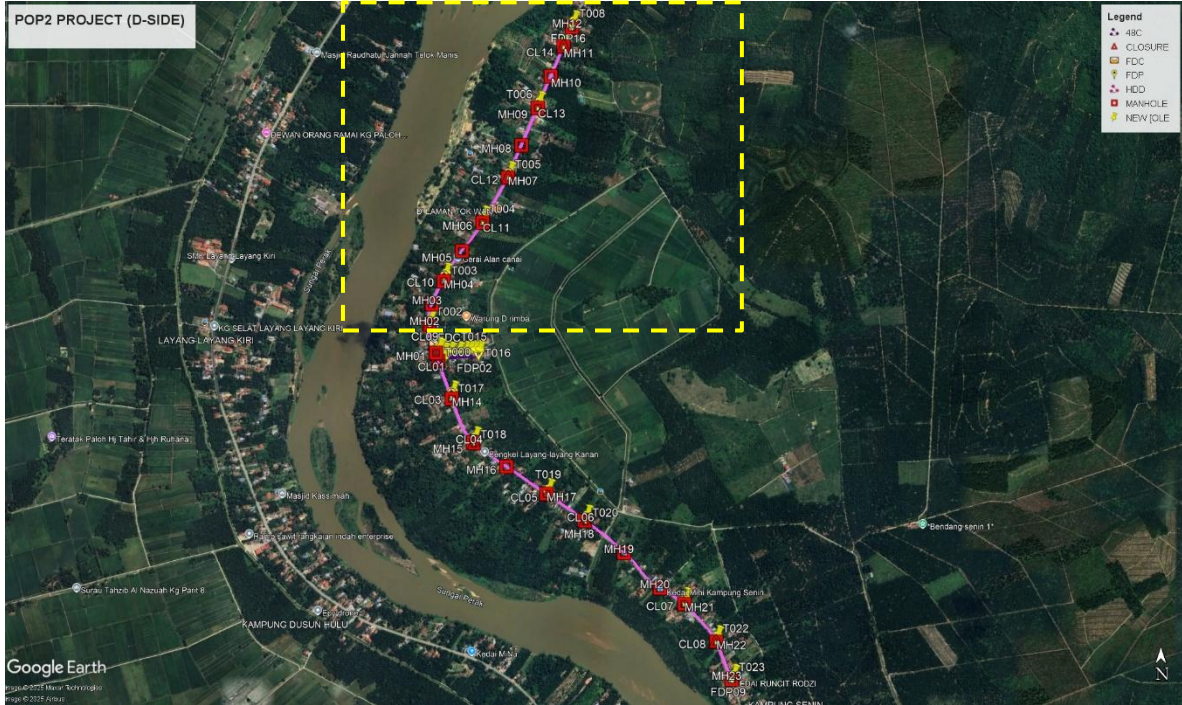


Route 1.2



Route 1.3

Route 2



Route 2.1



Route 2.2



Route 2.3



Route 2.4

Site Plan – KMZ Routing (Proposed New Manhole)

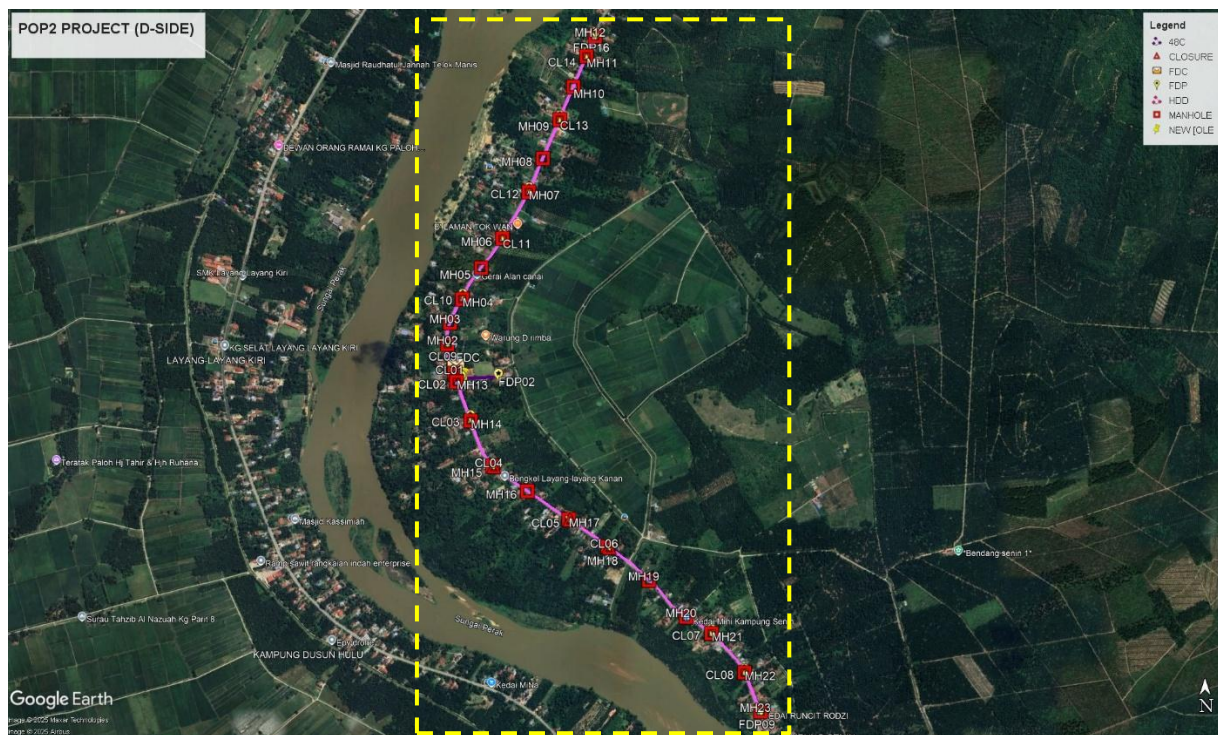


Figure 1: Manhole 1 (4.400527, 100.888250) & Manhole 2 (4.401763, 100.887960)



Figure 2: Manhole 3 (4.402674, 100.888073) & Manhole 4 (4.403784, 100.888594)

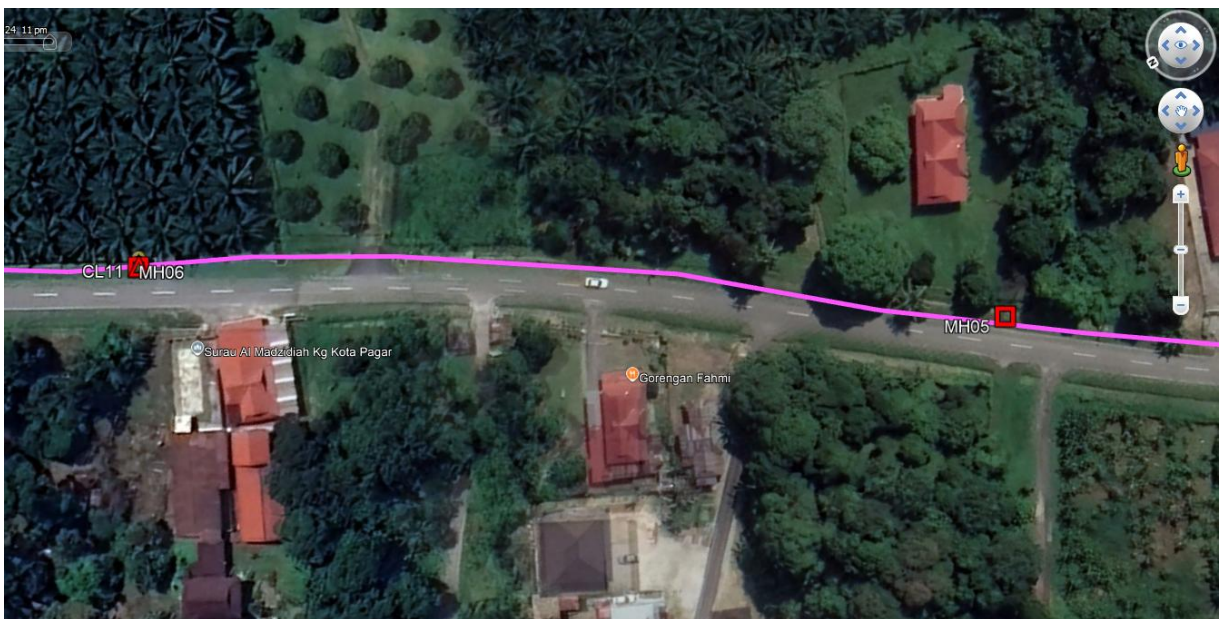


Figure 3: Manhole 5 (4.405010, 100.889397) & Manhole 6 (4.406325, 100.890308)



Figure 4: Manhole 7 (4.408301, 100.891441) & Manhole 8 (4.409668, 100.892028)



Figure 5: Manhole 9 (4.411365, 100.892749) & Manhole 10 (4.412699, 100.893328)

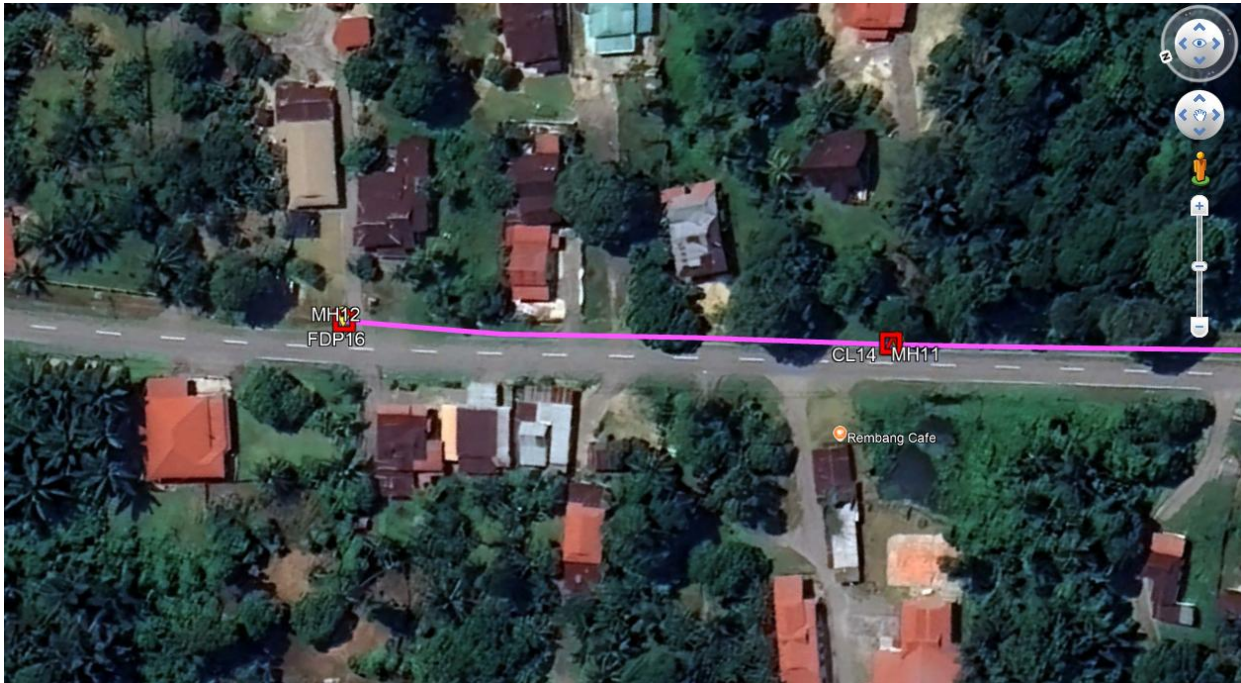


Figure 6: Manhole 11 (4.414054, 100.893897) & Manhole 12 (4.414898, 100.894269)



Figure 7: Manhole 13 (4.400168, 100.888344) & Manhole 14 (4.398510, 100.888951)

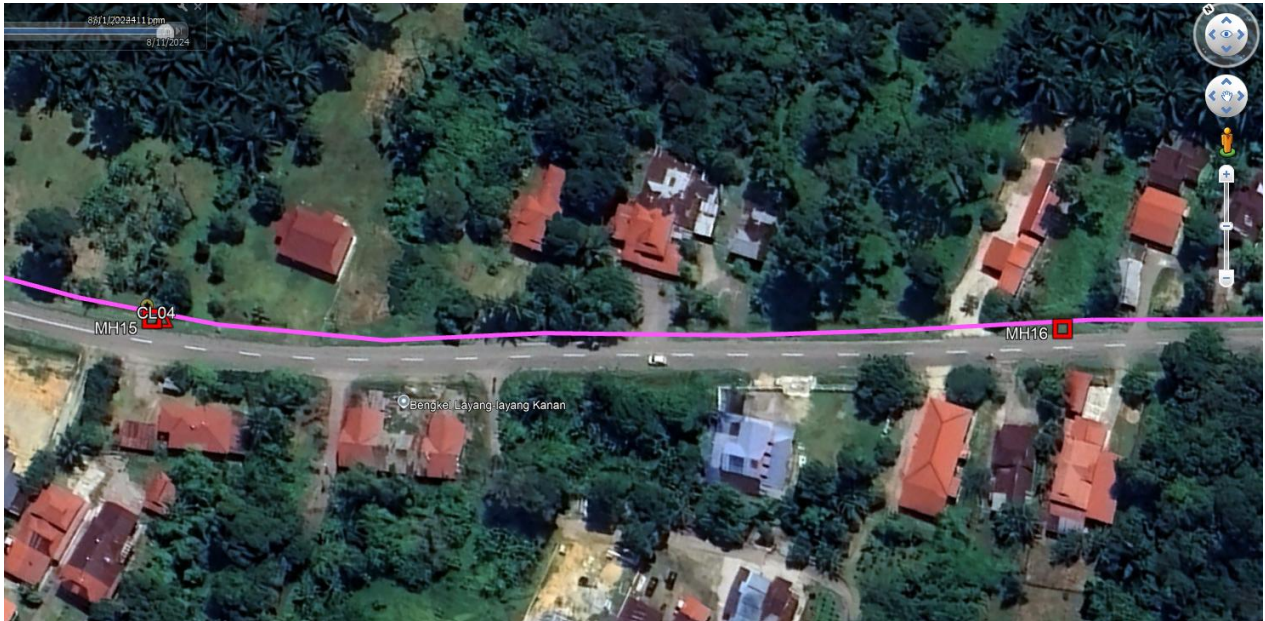


Figure 8: Manhole 15 (4.396569, 100.889925) & Manhole 16 (4.395518, 100.891366)



Figure 9: Manhole 17 (4.394317, 100.893130) & Manhole 18 (4.393119, 100.894844)

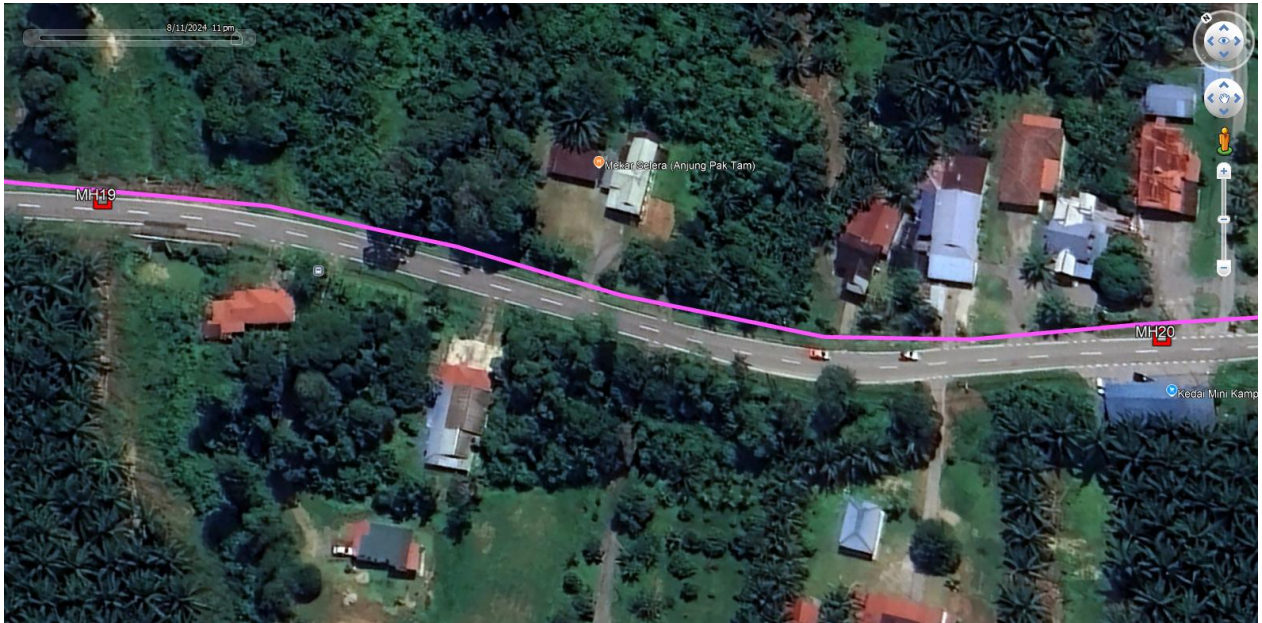


Figure 10: Manhole 19 (4.391732, 100.896548) & Manhole 20 (4.390171, 100.898137)

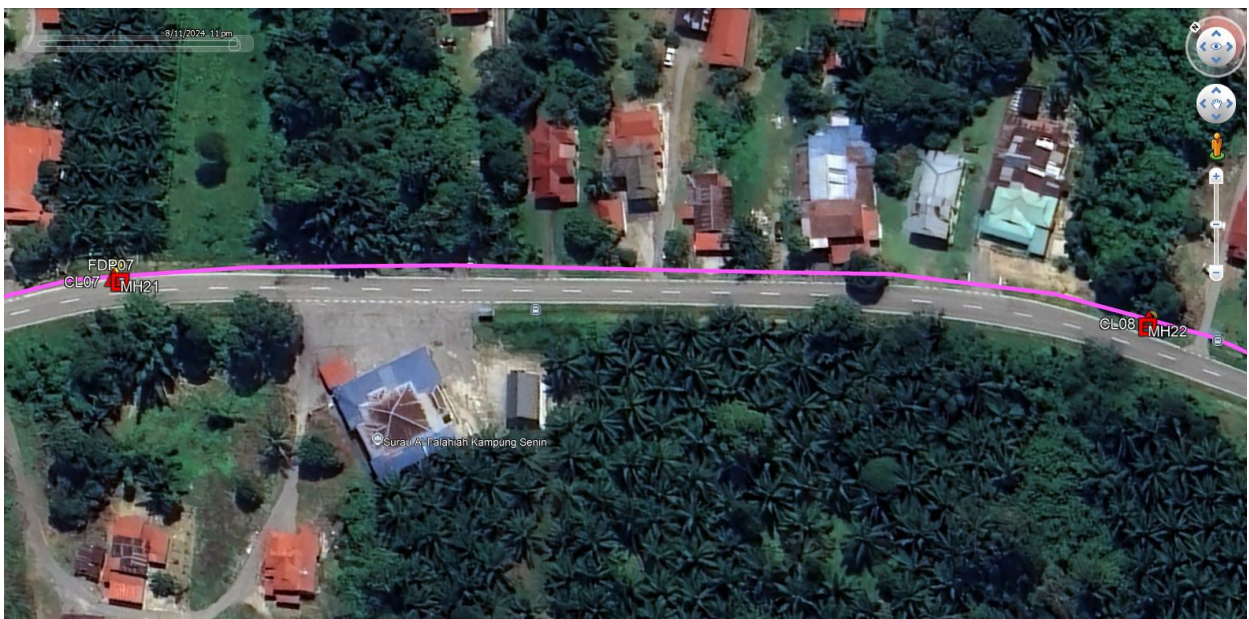


Figure 11: Manhole 21 (4.389498, 100.899191) & Manhole 22 (4.387833, 100.900605)

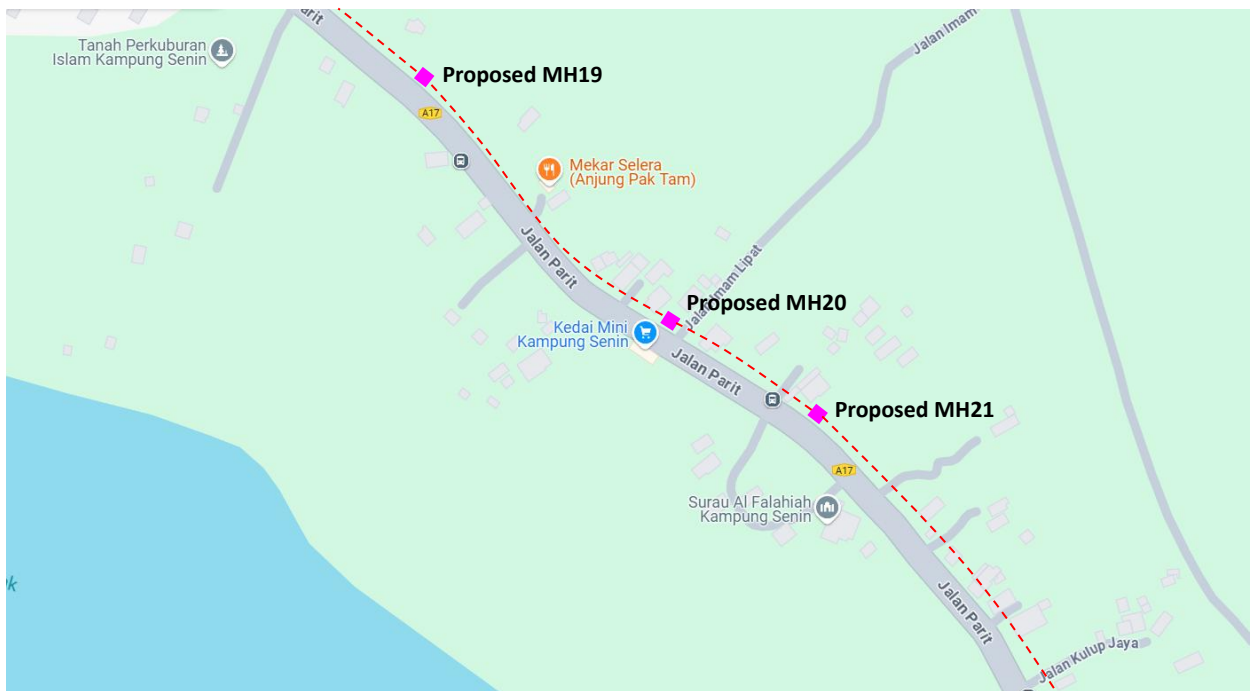


Figure 12: Manhole 23 (4.386140, 100.901313)

Site Plan – Google Map (routing plan, Manhole)









Proposed New Manhole Lat & Long Table

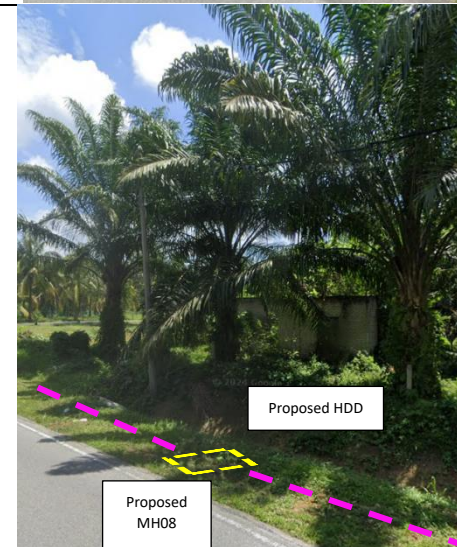
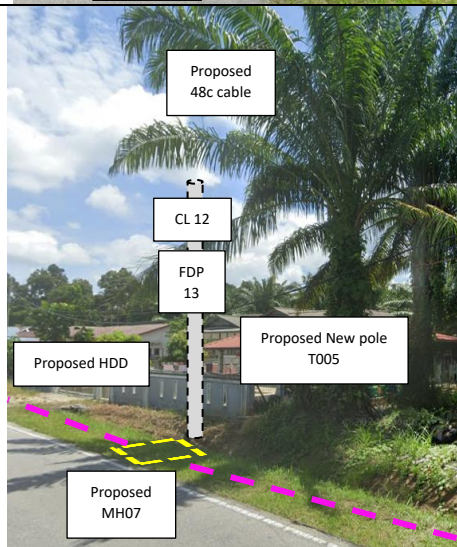
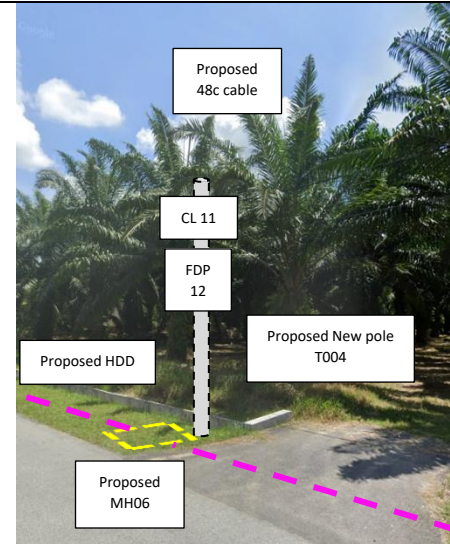
PROPOSED MANHOLE COORDINATE		
MANHOLE NUMBER	LATITUDE	LONGITUDE
MH01	4.400527	100.888250
MH02	4.401763	100.887960
MH03	4.402674	100.888073
MH04	4.403784	100.888594
MH05	4.405010	100.889397
MH06	4.406325	100.890308
MH07	4.408301	100.891441
MH08	4.409668	100.892028
MH09	4.411365	100.892749
MH10	4.412699	100.893328
MH11	4.414054	100.893897
MH12	4.414898	100.894269
MH13	4.400168	100.888344
MH14	4.398510	100.888951
MH15	4.396569	100.889925
MH16	4.395518	100.891366
MH17	4.394317	100.893130
MH18	4.393119	100.894844
MH19	4.391732	100.896548
MH20	4.390171	100.898137
MH21	4.389498	100.899191
MH22	4.387833	100.900605
MH23	4.386140	100.901313

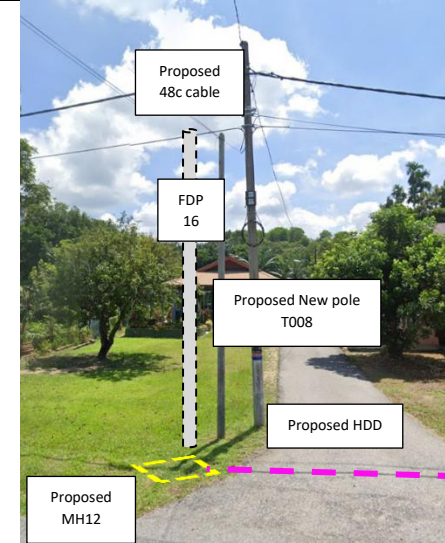
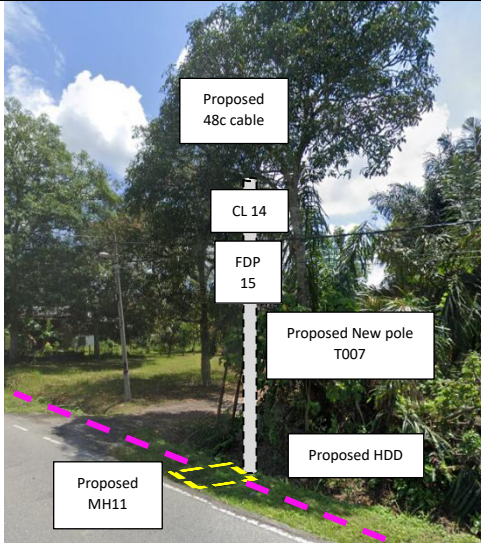
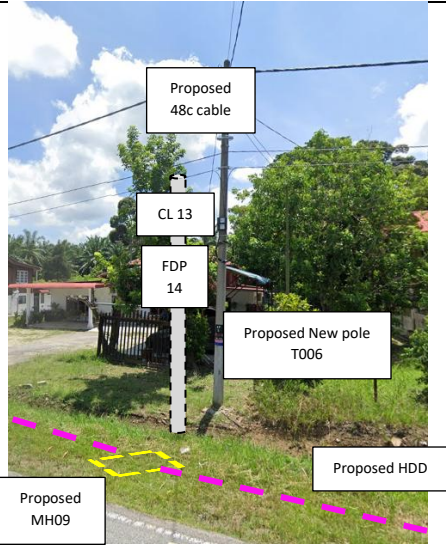
Overall Pole (Proposed New)

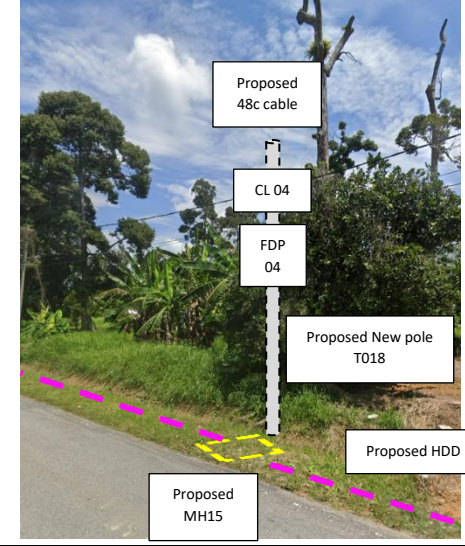
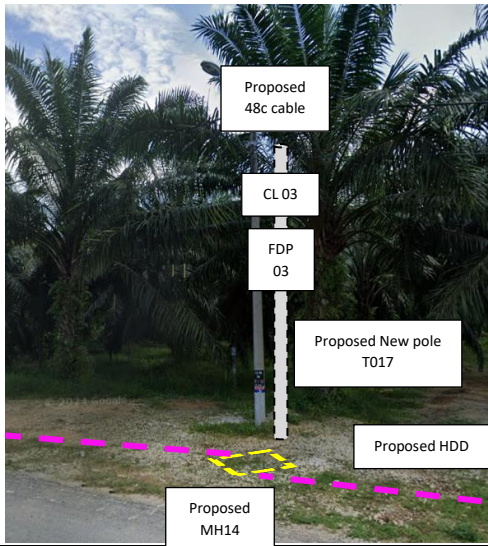
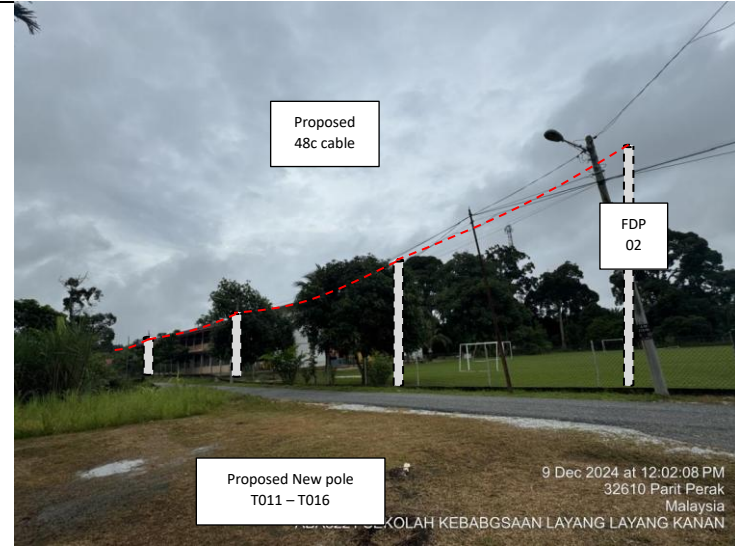
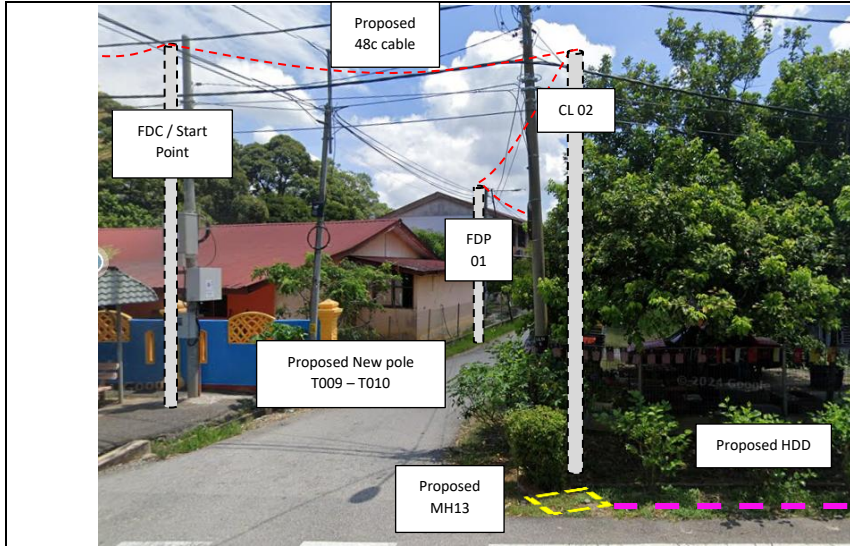
No.	Pole ID	Distance (m)	Latitude	Longitude	Local Authority
1	FDC	0.00	4.400426671	100.8883099	JKR Perak Tengah
2	T001	10.60	4.400511322	100.8882664	JKR Perak Tengah
3	T002	145.31	4.401781424	100.8879653	JKR Perak Tengah
4	T003	236.18	4.403799132	100.8886213	JKR Perak Tengah
5	T004	336.74	4.406310607	100.8903073	JKR Perak Tengah
6	T005	251.64	4.408268197	100.8914376	JKR Perak Tengah
7	T006	373.02	4.411354343	100.8927431	JKR Perak Tengah
8	T007	326.83	4.414055561	100.8938933	JKR Perak Tengah
9	T008	104.30	4.414911583	100.8942742	JKR Perak Tengah
10	T009	1764.87	4.40020907	100.8883425	JKR Perak Tengah
11	T010	24.72	4.400305716	100.8885424	Majlis Perbandaran Perak Tengah
12	T011	30.66	4.400326741	100.888817	Majlis Perbandaran Perak Tengah
13	T012	40.56	4.400340188	100.8891812	Majlis Perbandaran Perak Tengah
14	T013	34.91	4.400354888	100.8894944	Majlis Perbandaran Perak Tengah
15	T014	19.98	4.40036283	100.8896737	Majlis Perbandaran Perak Tengah
16	T015	23.71	4.400374358	100.8898864	Majlis Perbandaran Perak Tengah
17	T016	23.69	4.400386458	100.8900989	Majlis Perbandaran Perak Tengah
18	T017	236.96	4.398609544	100.8889268	JKR Perak Tengah
19	T018	250.40	4.396590144	100.8899176	JKR Perak Tengah
20	T019	442.76	4.394299612	100.8931692	JKR Perak Tengah
21	T020	227.27	4.393143671	100.894852	JKR Perak Tengah
22	T021	629.91	4.389510778	100.8991904	JKR Perak Tengah
23	T022	245.72	4.387827638	100.9006184	JKR Perak Tengah
24	T023	205.60	4.386124267	100.9013324	JKR Perak Tengah

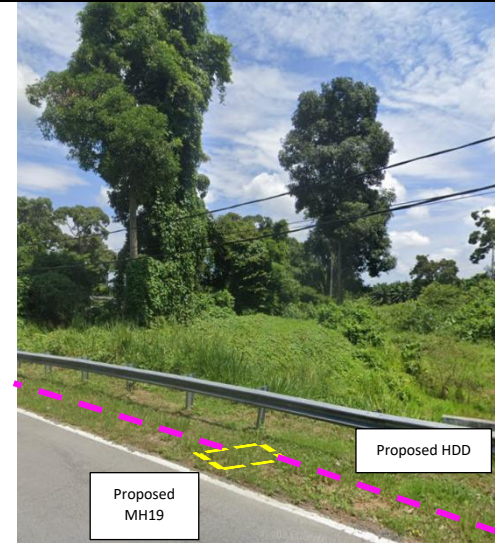
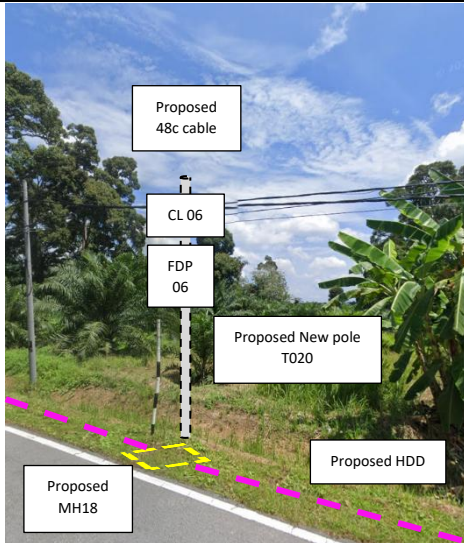
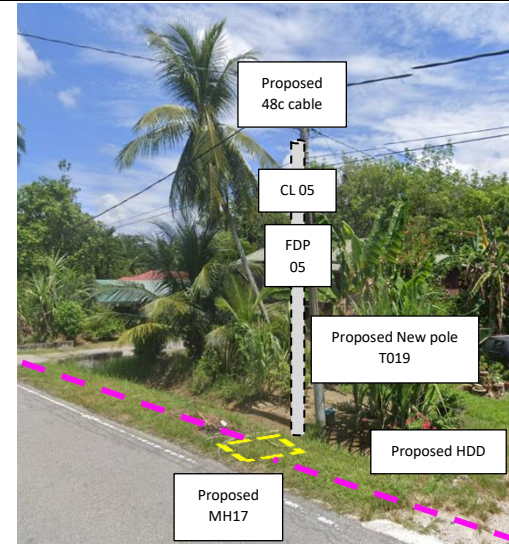
Site Photos – Proposed to install pole

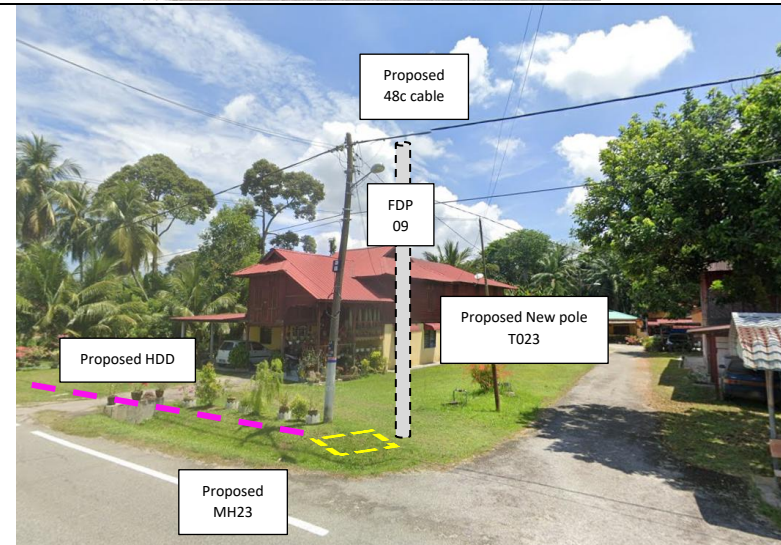
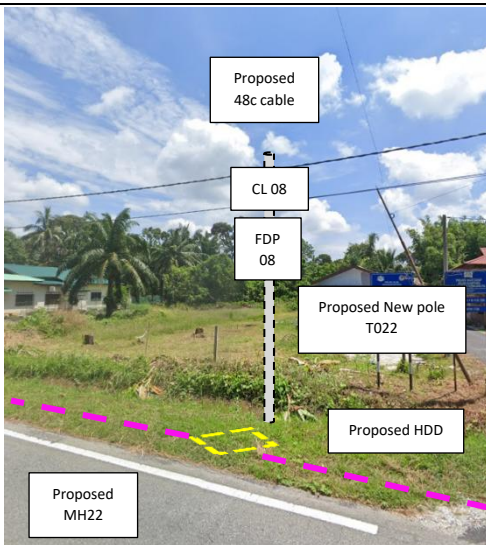
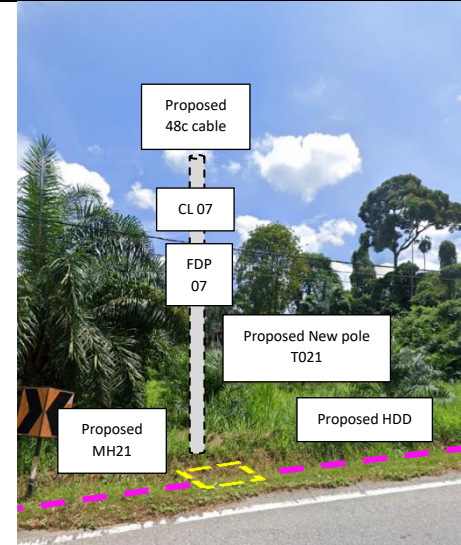












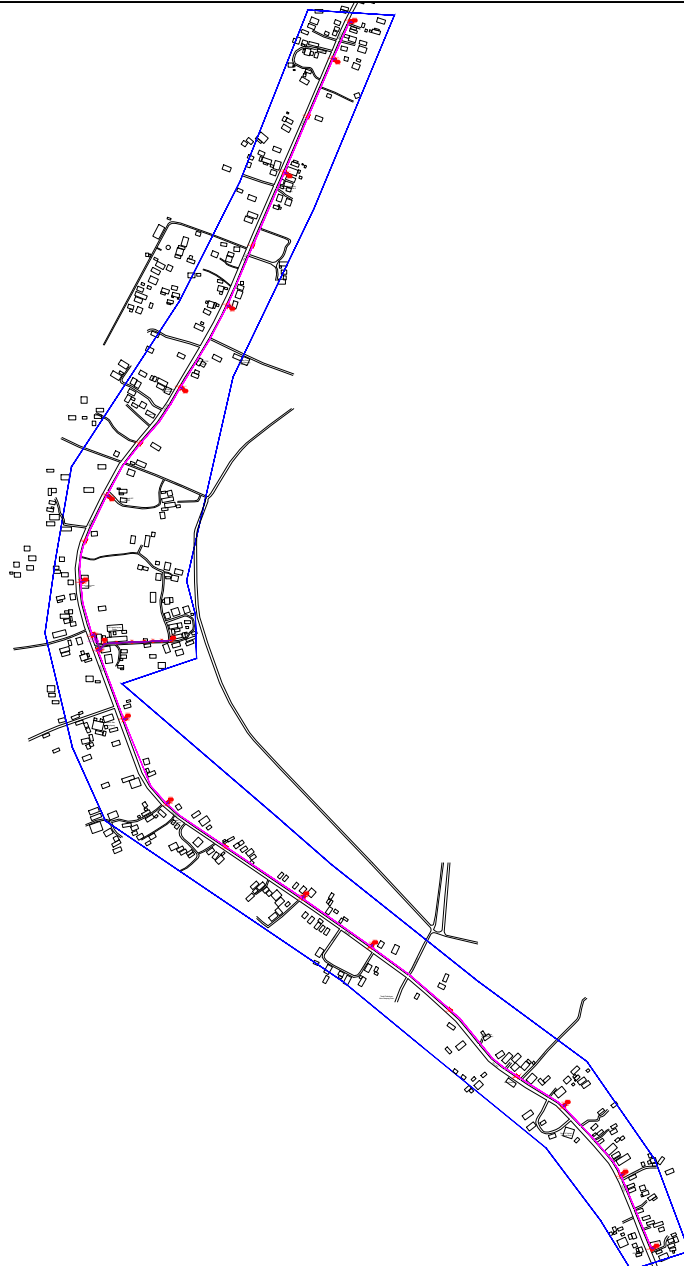


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	JKR Perak Tengah	
2	Majlis Perbandaran Perak Tengah	
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)	Suspension	New Manhole (PIT)	23	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	Existing Manhole	16	Active Outdoor Cabinet	CL01	Closure NO.	
144C FOC	Existing Closure	Installed Riser	Existing Manhole	Existing Manhole		FDC NO.	DP1	FDP NO.	

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



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

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTU 3/3, TAMAN PUNCAK JALU,
BANGSAPUTRA PERAK,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 5638 5803
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

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

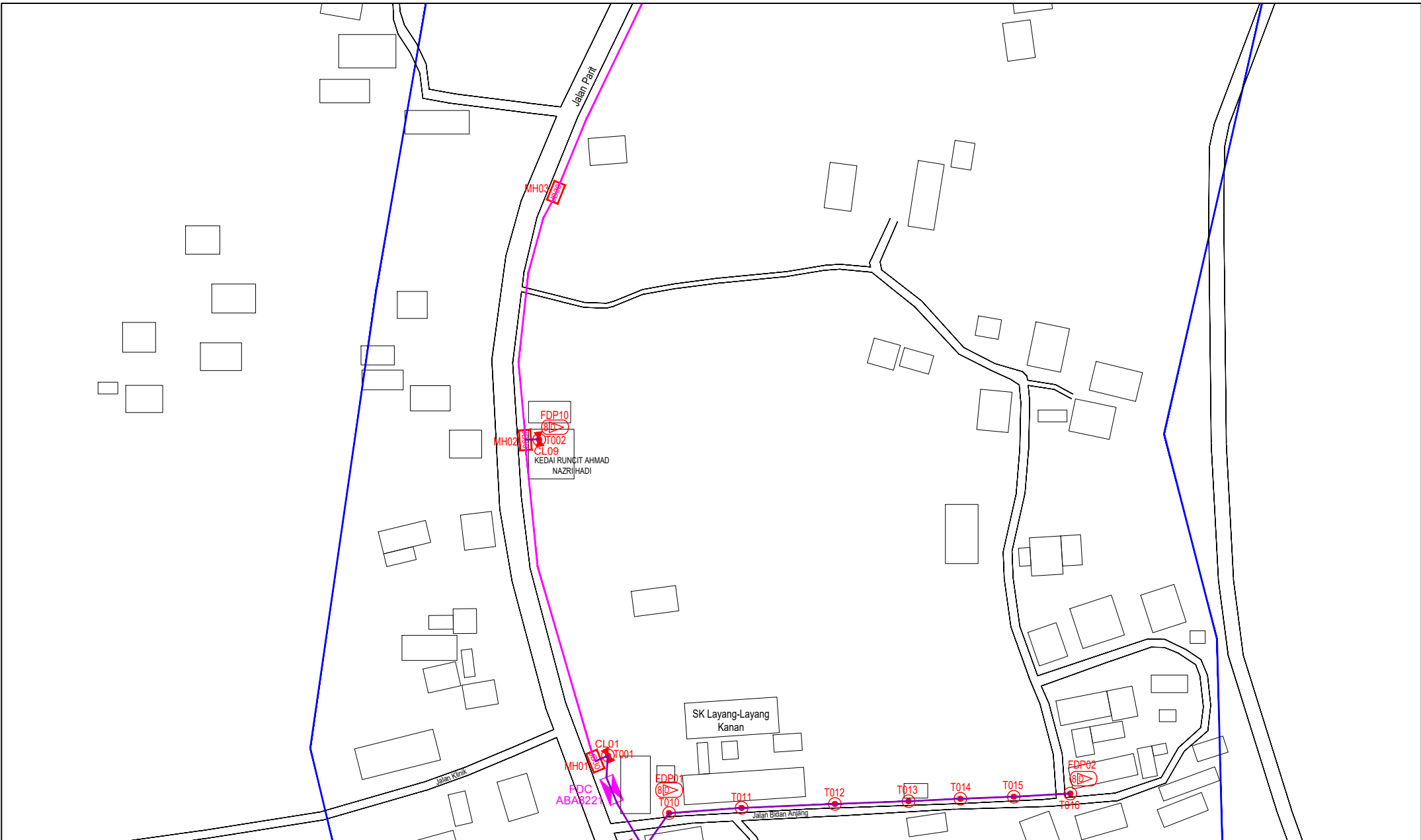
DRAWING TITLE:

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)	23	Micro-Trenching (Meter)		MH1	MH NO.
24C FOC		Installed Patch Cord		Installed Pole (7.5M)	24	Tension		BE7	New Manhole(JRC7)	23	Temporary Infra (Meter)		TKS-1	Existing TNB Pole NO.
48C FOC	4190	FDC	1	Installed Pole (6.7M)		Pole Ring			FDP Boundary		Loop / Coil (Meter)		P001	New Pole NO.
96C FOC		Closure	14	Existing TNB Pole		FDP with (1:8) splitter	16		HDD (Meter)	3980	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/DEVELOPOR :



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

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNCAK JALIL,
BANDAR PUTRA PERAI,
43300 SERI BEBARANGA, SELANGOR
TEL: +603 9586 9963
E-MAIL: info@wcwlcommunications.com.my

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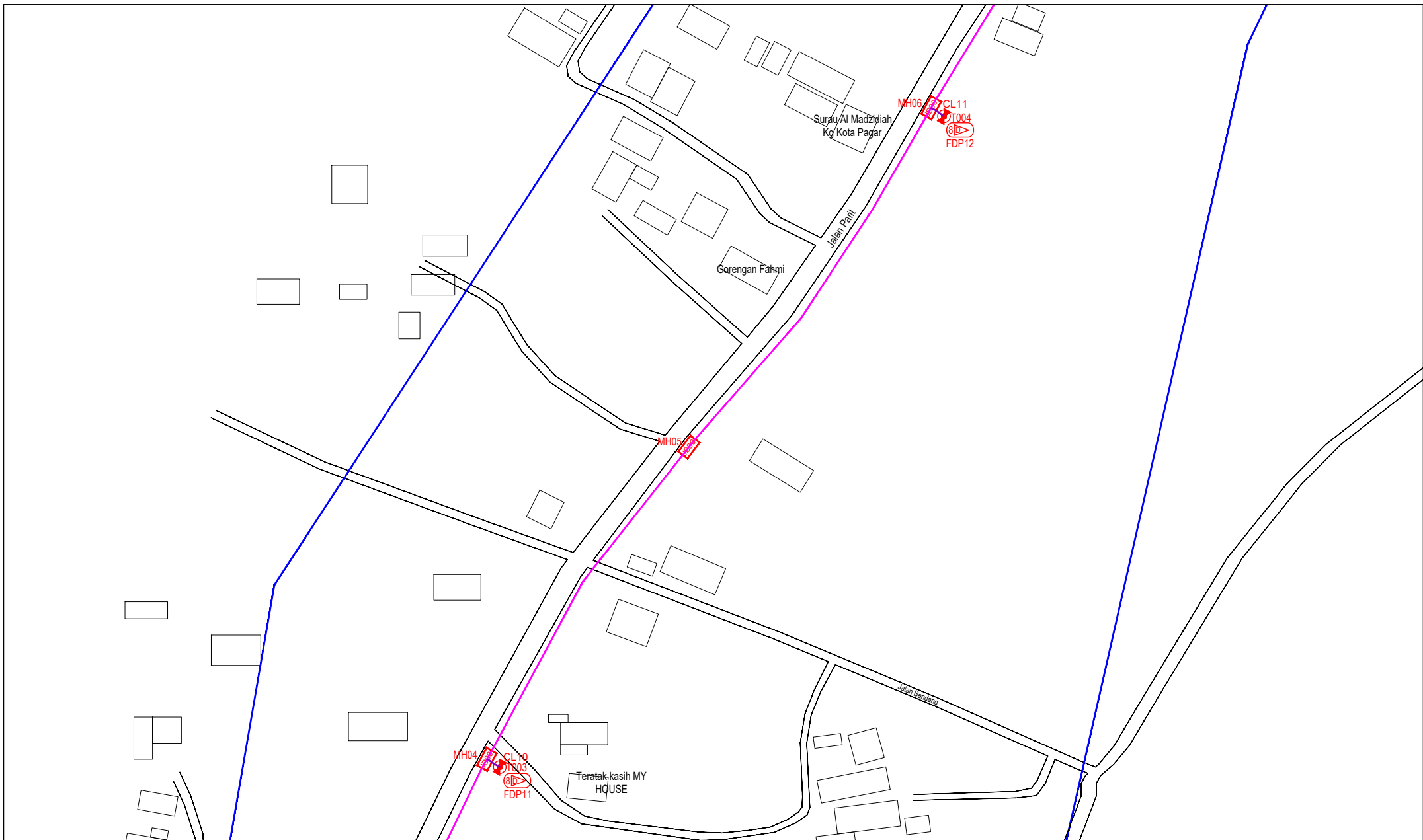
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ABAB221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

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		BE30 New Manhole (PIT)	23
24C FOC		Installed Patch Cord		Installed Pole (7.5M)	24	Tension		BE7 New Manhole(JRC7)	23
48C FOC	4190	FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary	
96C FOC		Closure	14	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)	3980
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 WAP SDIG,
30250 JALAN P. PAKEL,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNCAK JALIL,
BANGKOR PUTRA PERANG,
43200 SERI KEMBANGAN, SELANGOR
TEL: +603 9088 5963
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

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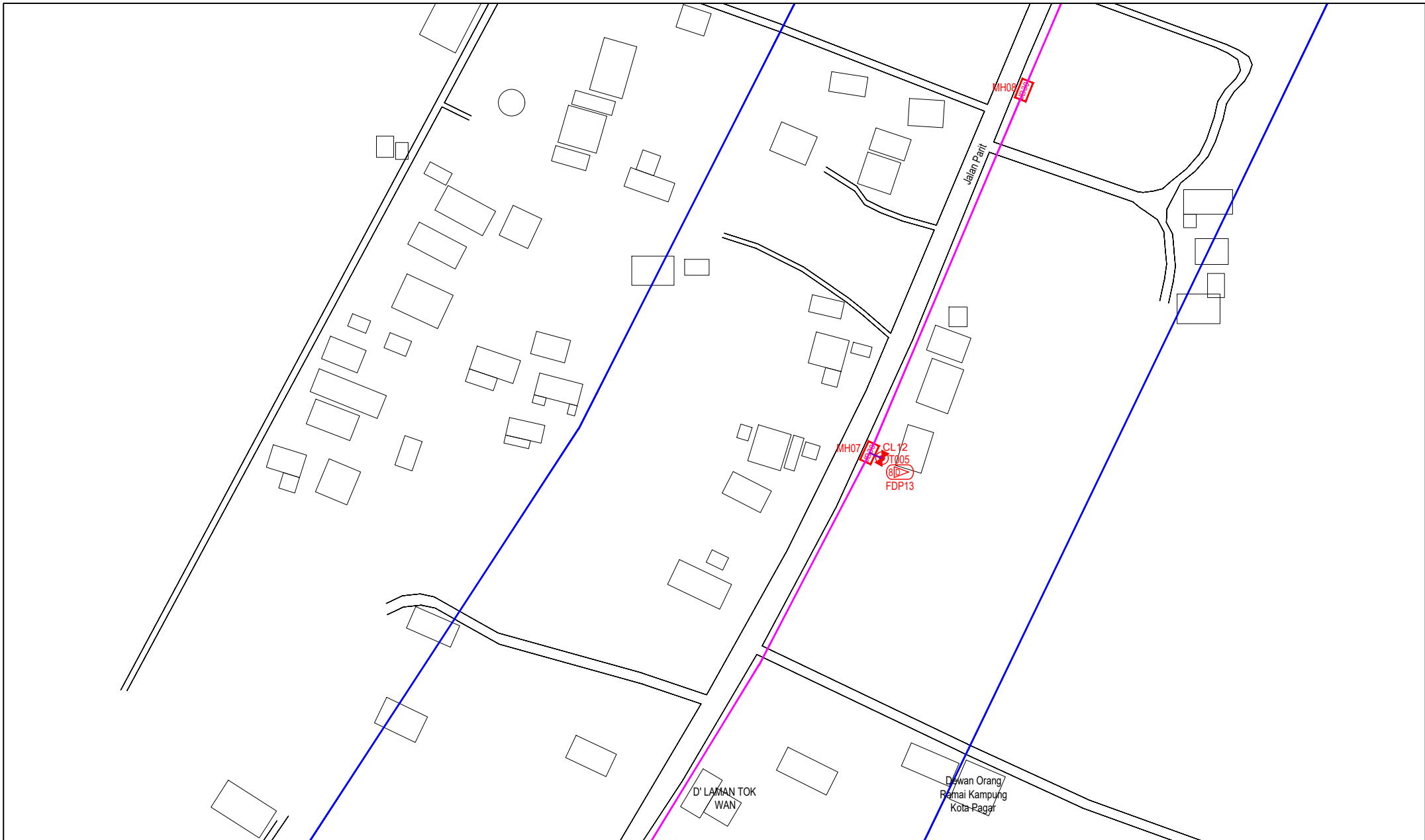
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ABAB221
SEKOLAH KEBANGSAAN
LAYANG-LAYANG KANAN

PROJECT PHASE:

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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.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	New Manhole (PIT)	23	Micro-Trenching (Meter)	MH1	MH NO.	
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	New Manhole(JRC7)	24	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)	3980	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 IMP SDG,
30225, JALAN P. RAJAZ,
KUALA LUMPUR

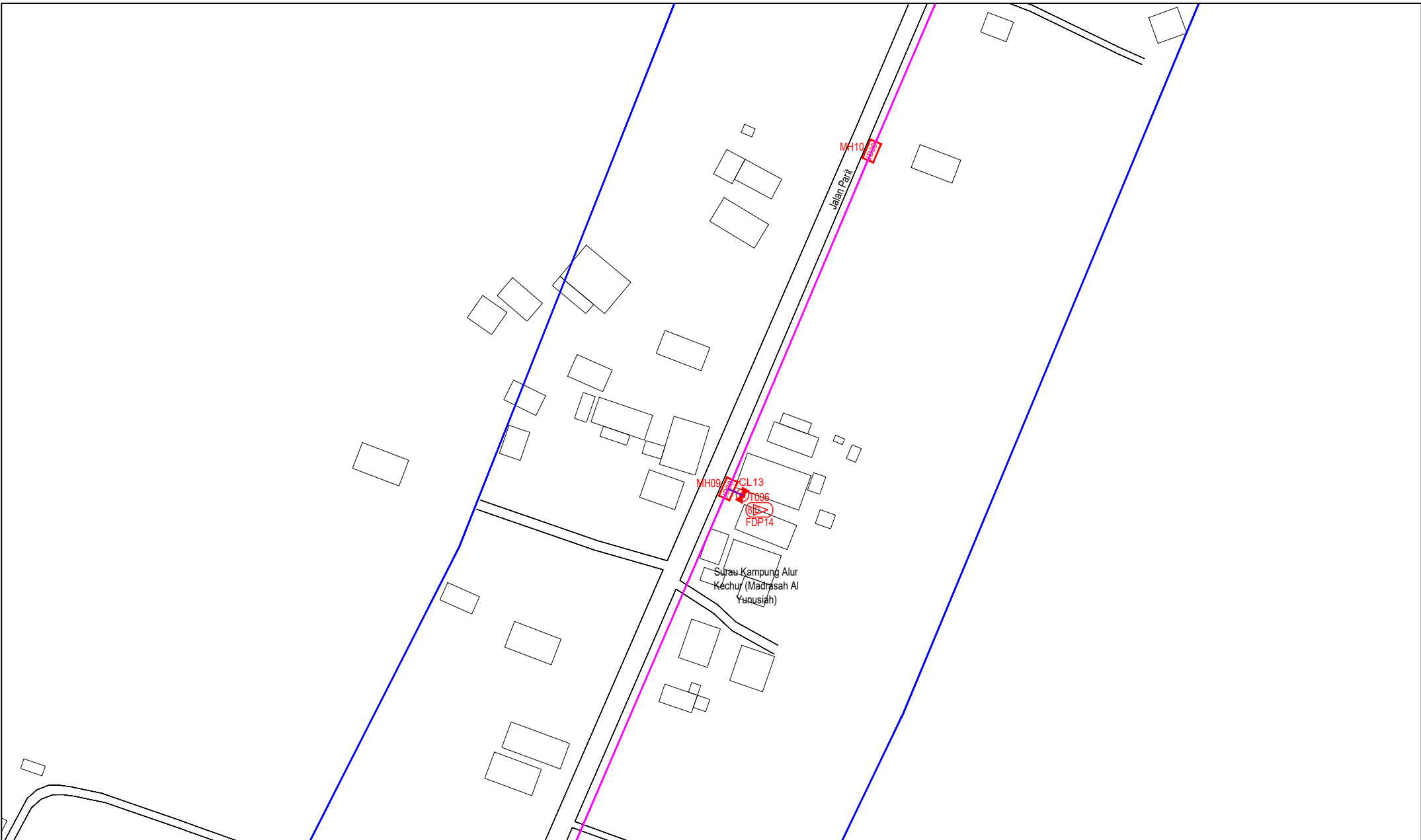
MAIN CONTRACTOR :
WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/3, TAMAN PUNCAK JAYA,
BANDAR PUTRA PERAI,
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E-MAIL : info@wcwlcommunications.com.my

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.	NOS.		
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)	23	Micro-Trenching (Meter)		MH1	MH NO.
24C FOC		Installed Patch Cord		Installed Pole (7.5M)	24	Tension		New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1	Existing TNB Pole NO.
48C FOC	4190	FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001	New Pole NO.
96C FOC		Closure	14	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)	3980	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
128 FLOOR, MENARA HAP SDG,
50250 JALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
WCWL COMMUNICATIONS SDN BHD
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BANGSAR UTARA, PETALING
43300 SERI KEMBANGAN, SELANGOR
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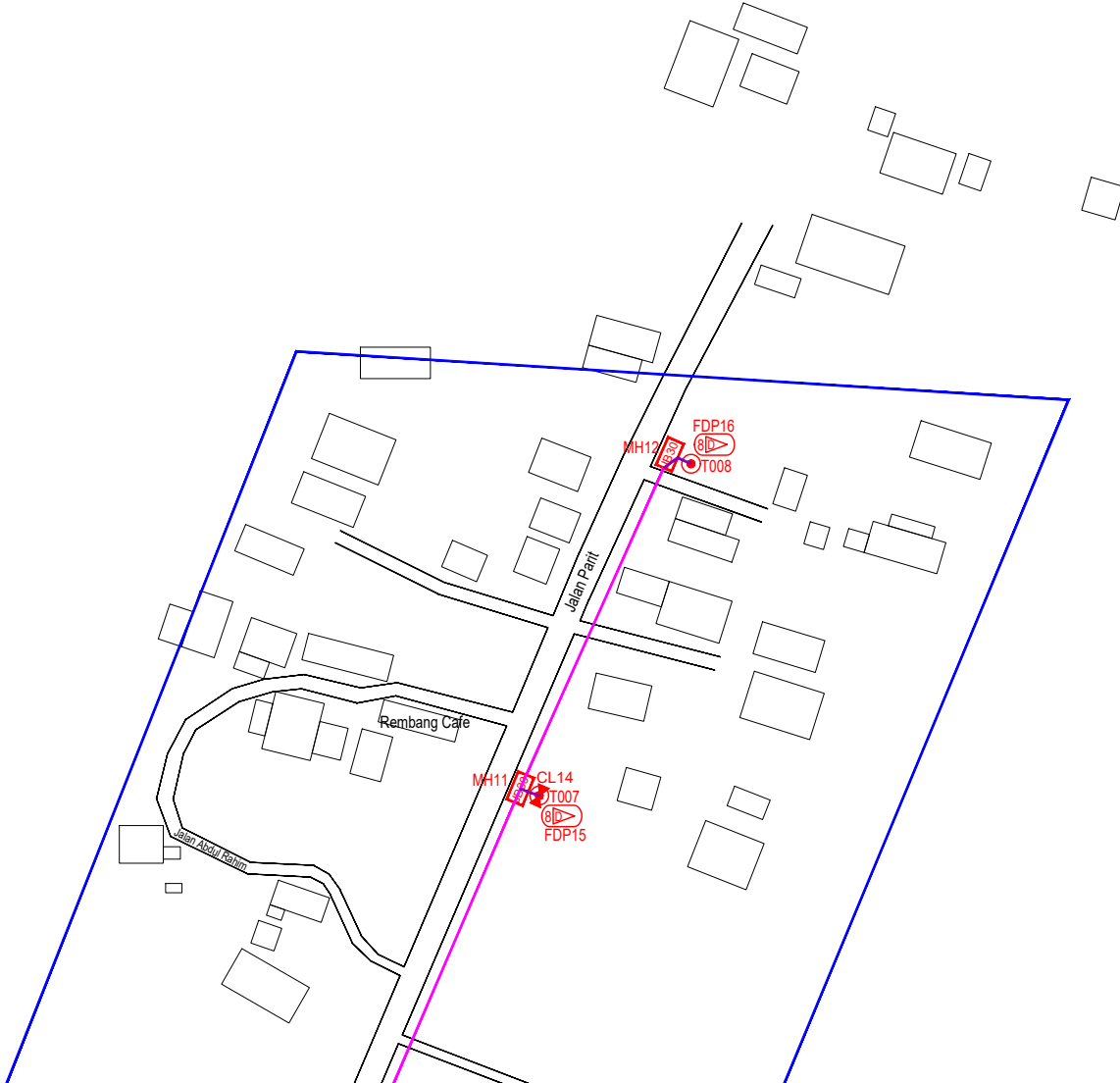
PROJECT TITLE :

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-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	ES30	New Manhole (PIT)	23	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	4190 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		Active Outdoor Cabinet	CL01	Closure NO.		
144C FOC	Existing Closure	Installed Riser	Existing Manhole				FDC NO.	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
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E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

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

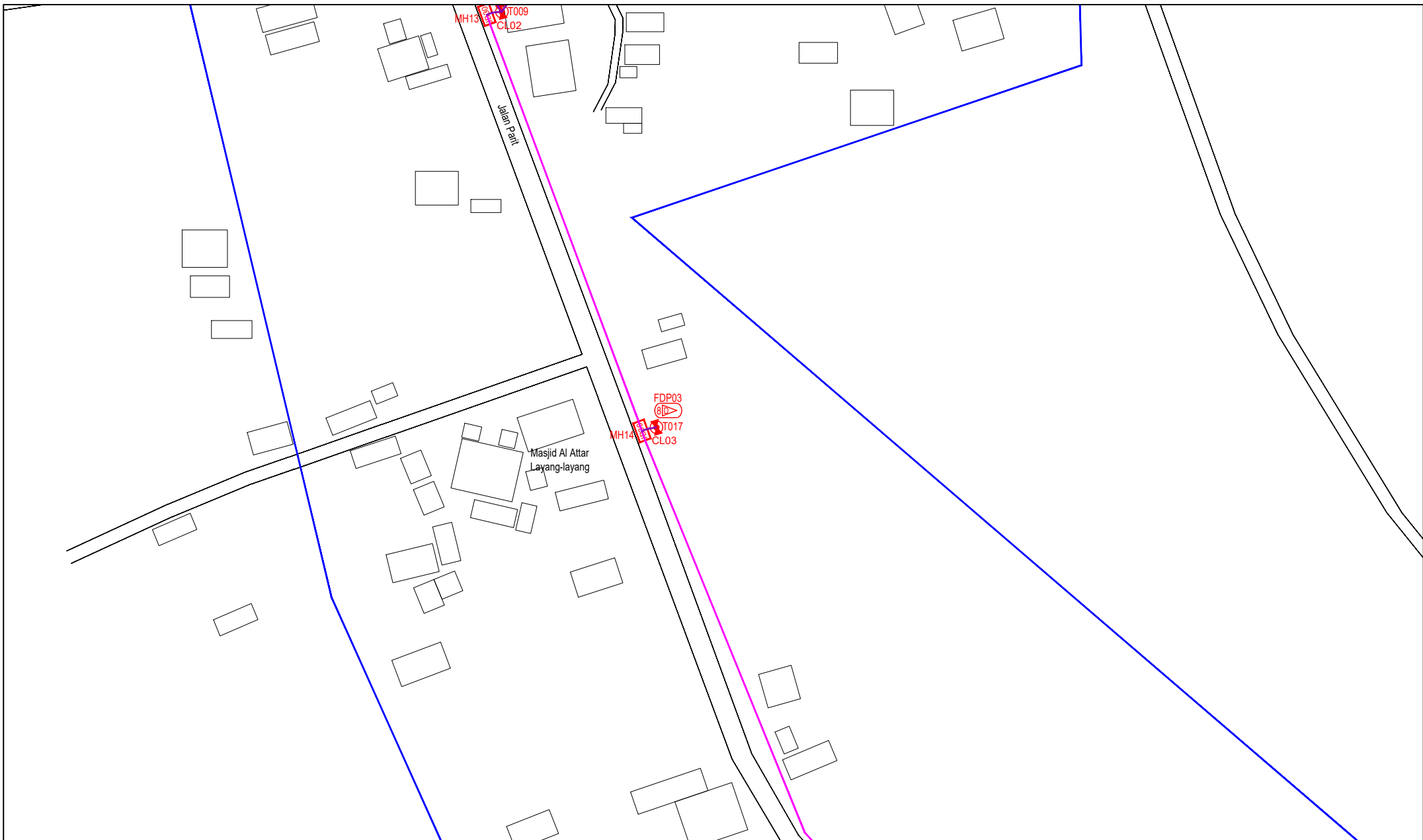
DRAWING TITLE:

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		New Manhole (PIT)	23	Micro-Trenching (Meter)		MH1	MH NO.
24C FOC		Installed Patch Cord		Installed Pole (7.5M)	24	Tension		New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1	Existing TNB Pole NO.
48C FOC	4190	FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001	New Pole NO.
96C FOC		Closure	14	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)	3980	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/DEVELOPOR :



MAIN CONTRACTOR :

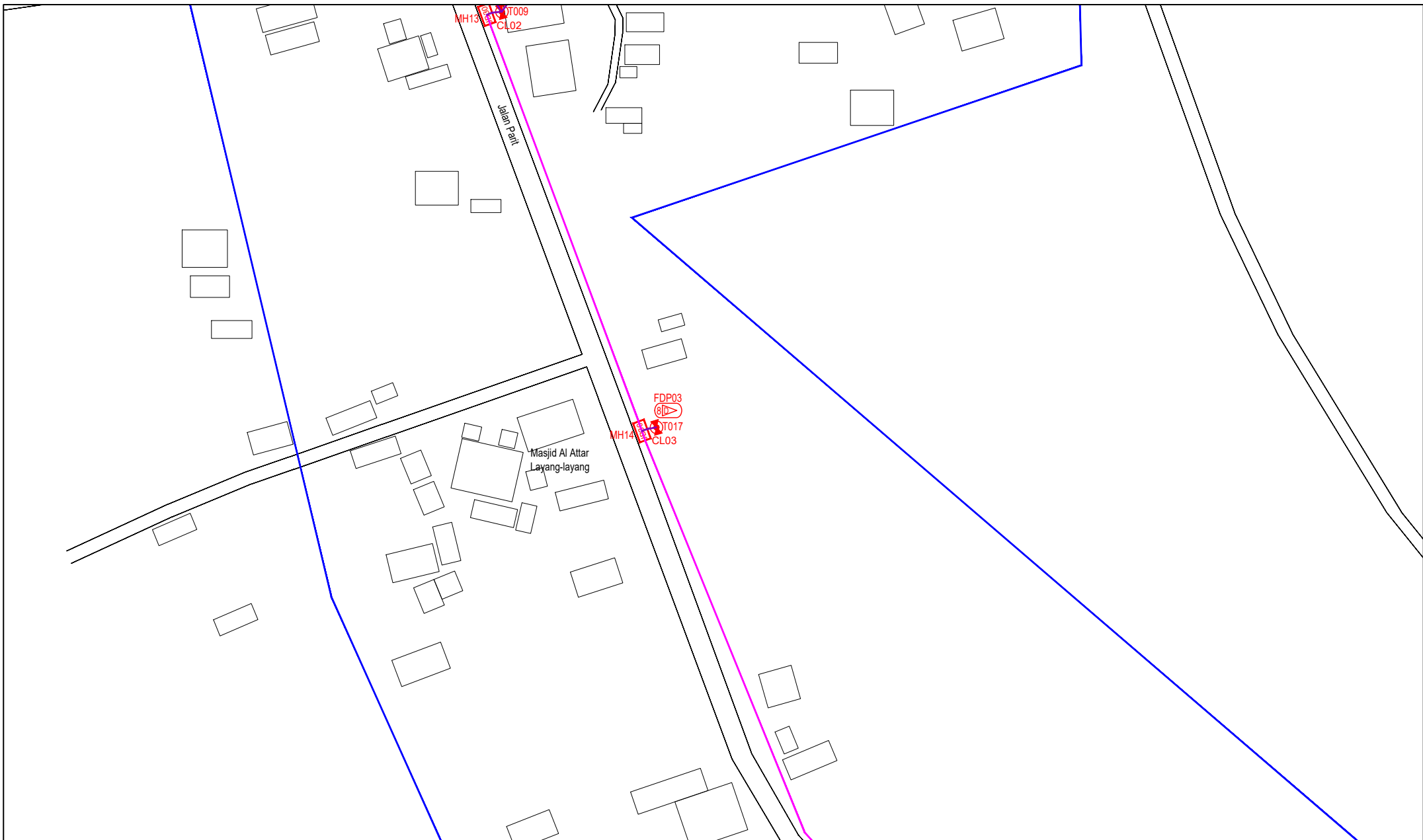
PROJECT TITLE :

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-01F	Sheet : 7/11
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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)	23	Micro-Trenching (Meter)		MH1	MH NO.
24C FOC		Installed Patch Cord		Installed Pole (7.5M)	24	Tension		New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1	Existing TNB Pole NO.
48C FOC	4190	FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001	New Pole NO.
96C FOC		Closure	14	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)	3980	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 SENTRA,
50250 JALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
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PROJECT TITLE :

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

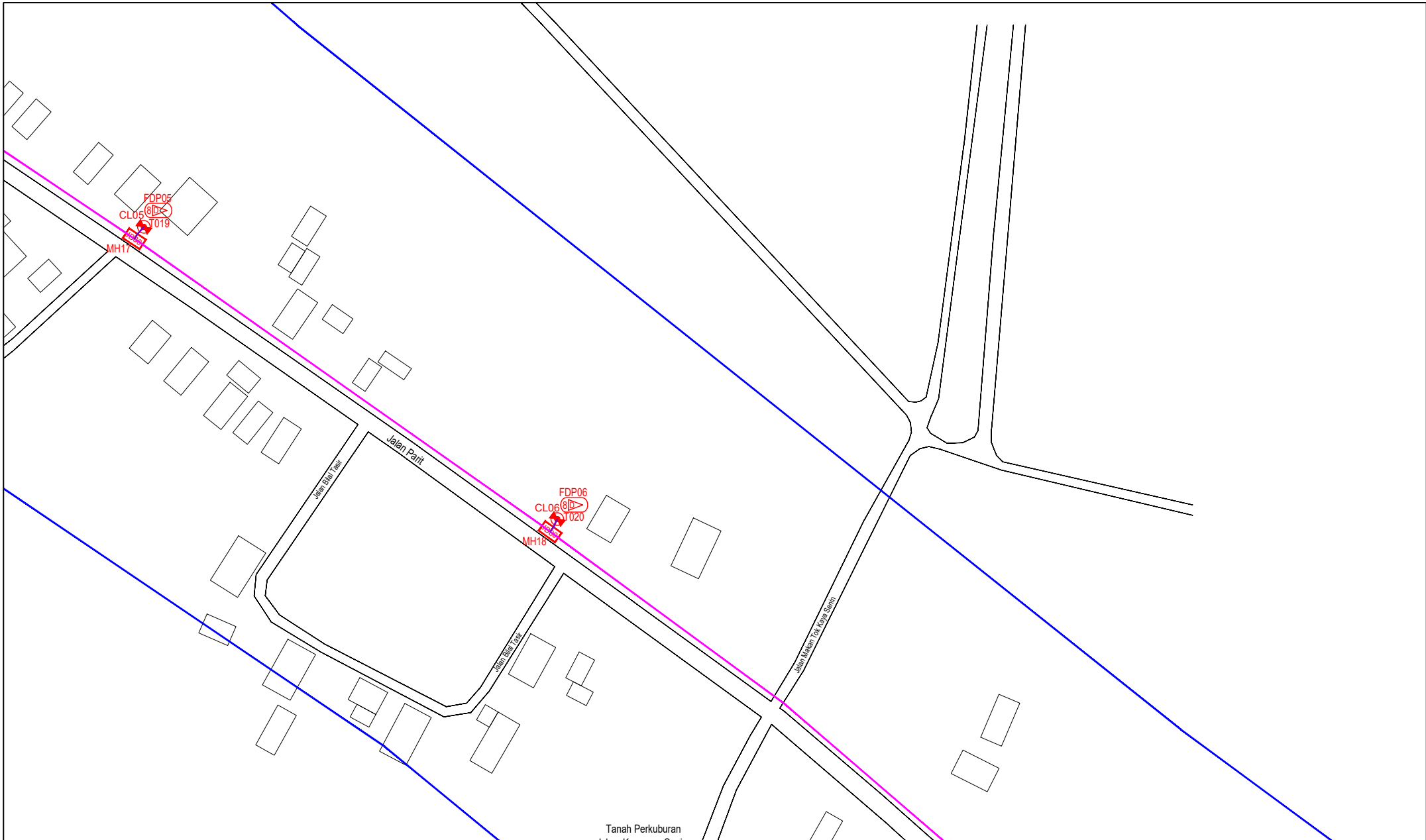
DRAWING TITLE:

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-01G	Sheet : 8/11
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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		UB30 New Manhole (PIT)		Micro-Trenching (Meter)		MH1 MH NO.
24C FOC		Installed Patch Cord		Installed Pole (7.5M)	24	Tension		UB7 New Manhole(JRC7)	23	Temporary Infra (Meter)		TKS-1 Existing TNB Pole NO.
48C FOC	4190	FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001 New Pole NO.
96C FOC		Closure	14	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)	3980	Active Outdoor Cabinet	#	CL01 Closure NO.
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		FDC NO.	CO1	DP1 FDP NO.

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HAP SDG,
52220 ALAM F. PAKEJ
KUALA LUMPUR

MAIN CONTRACTOR :

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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
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Design By : ENGINEER

Date : DEC 2024

Drawn By : CAD ENGINEER

Scale : NOT TO SCALE

Checked By : ENGINEER

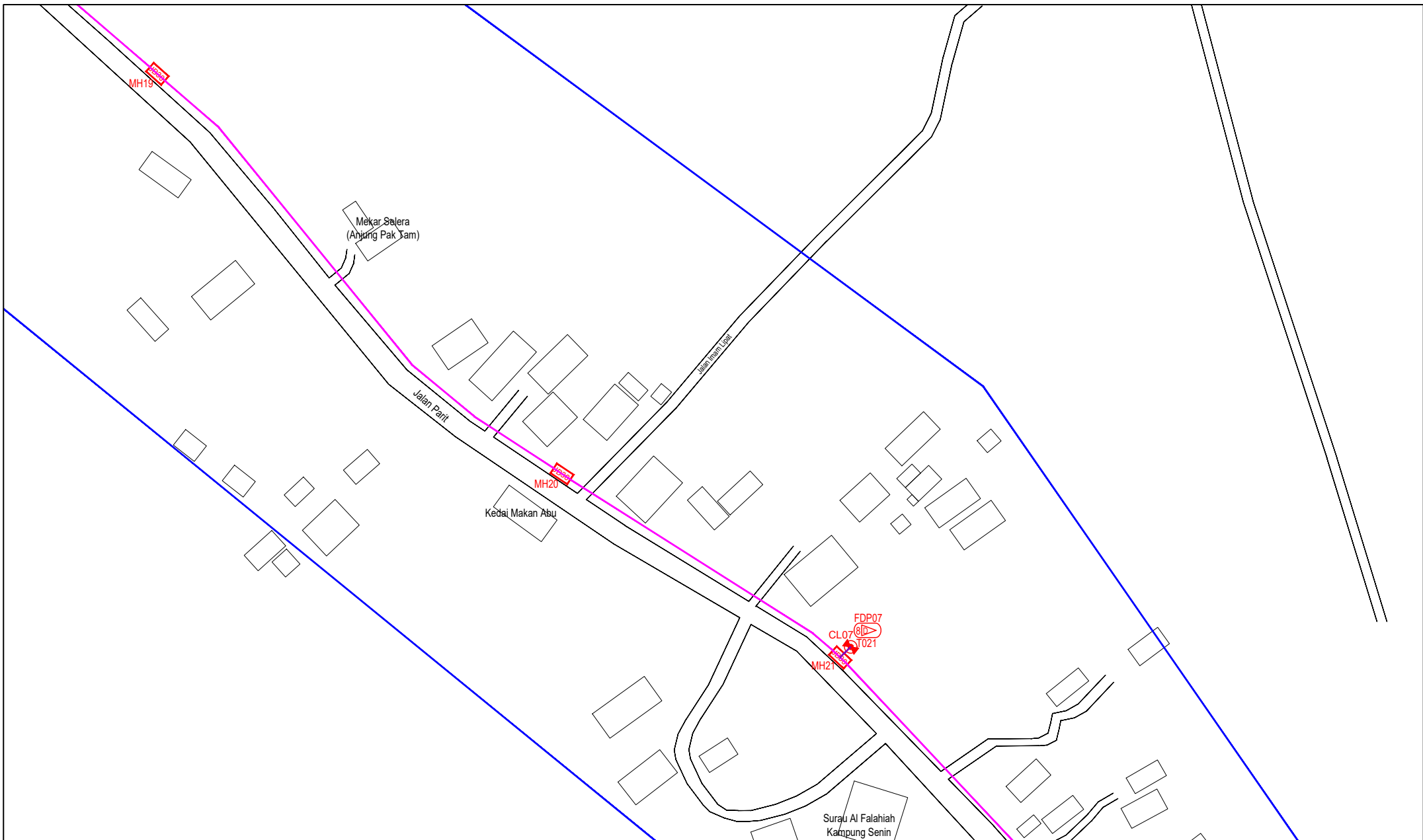
Job Number : 1

DRAWING NUMBER :
ABAB221-ABD-01H

Sheet :
9/11

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Size :
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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)	23
24C FOC		Installed Patch Cord		Installed Pole (7.5M)	24	Tension		New Manhole(JRC7)	23
48C FOC	4190	FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary	
96C FOC		Closure	14	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)	3980
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 HAP SENG,
30250 JALAN P. PAKLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WGWL COMMUNICATIONS SDN BHD
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TEL: +603 5088 5983
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PROJECT TITLE :

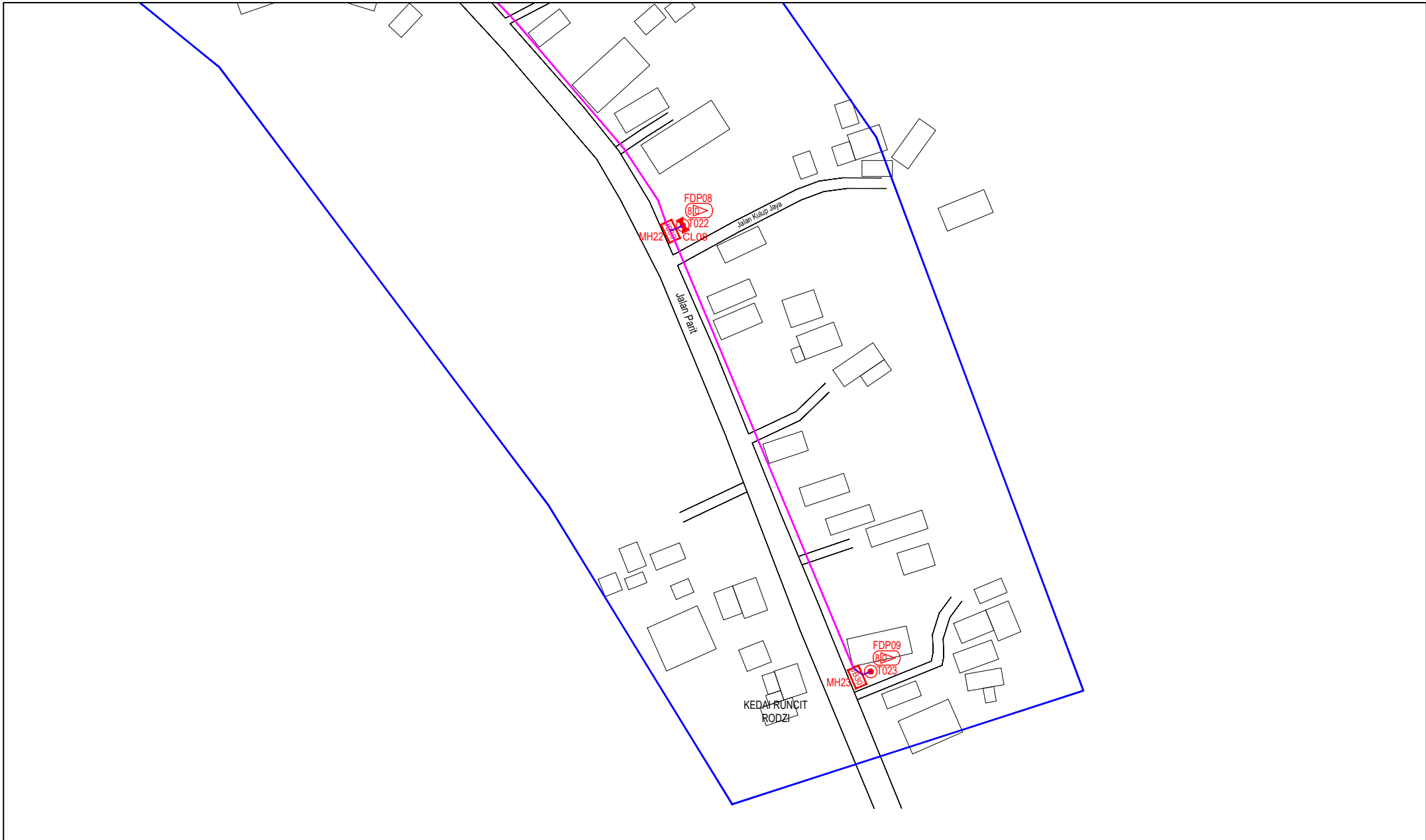
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

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

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
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DRAWING NUMBER : ABAB221-ABD-11	Sheet : 10/11
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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	BE30	New Manhole (PIT)	23	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	24	CE7	New Manhole(JRC7)		Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC	4190 FDC	Installed Pole (6.7M)			Pole Ring		Loop / Coil (Meter)	P001	New Pole NO.
96C FOC	Closure	Existing TNB Pole	14		FDP with (1:8) splitter	16	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC	Existing Closure	Installed Riser			Existing Manhole		Open Cut (Meter)	DP1	FDP NO.

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

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

WGWL COMMUNICATIONS SDN BHD
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E-MAIL: info@wgwlcommunications.com.my

MAIN CONTRACTOR :

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

PROJECT TITLE :

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

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
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