

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	4389
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	29
2	Proposed Pole	EA	37
3	Joint Closure	EA	2
4	Estimated time required for completion	days	30



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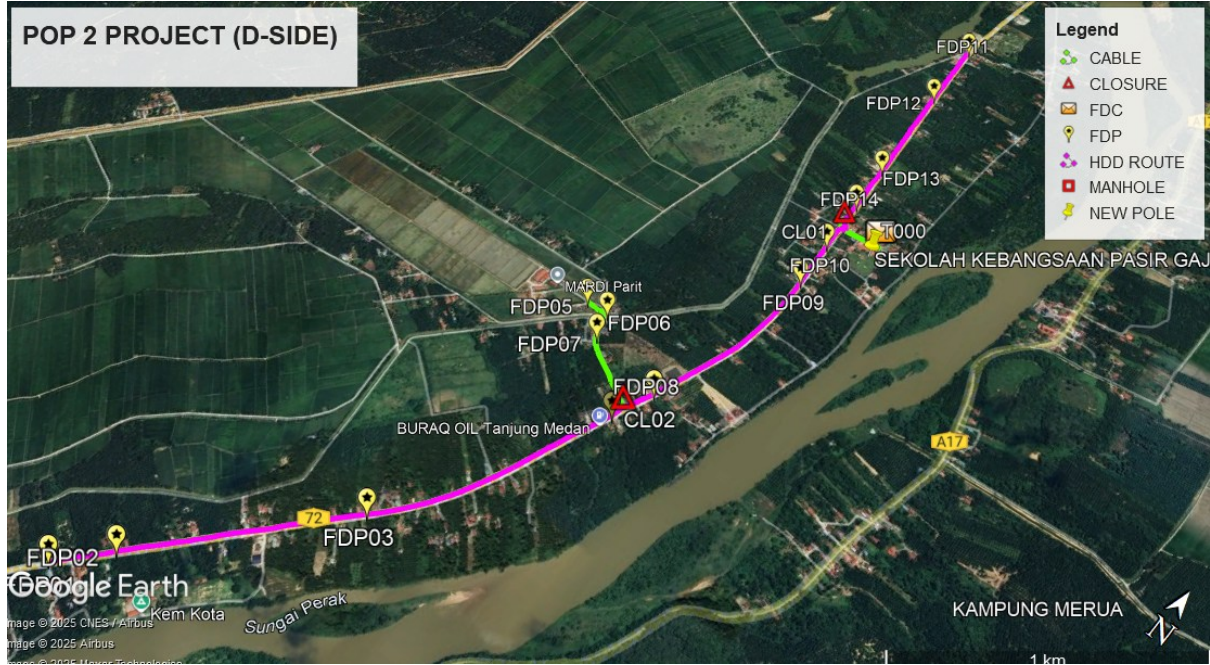
Local Authority Summary

1. Daerah Perak Tengah

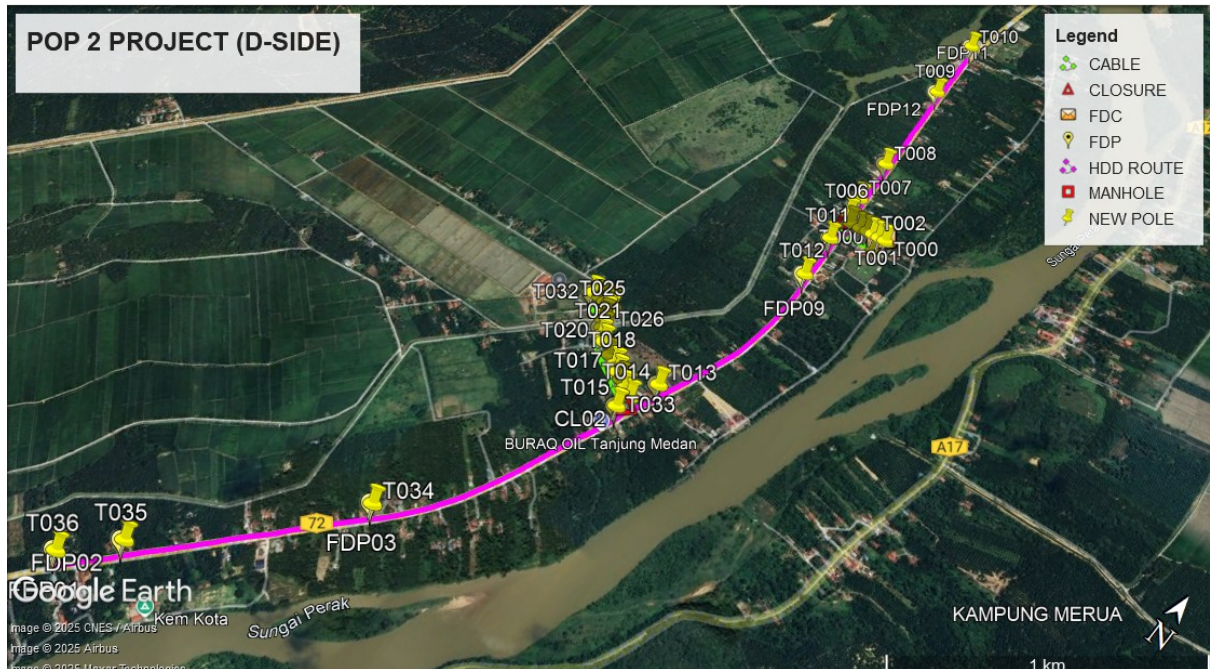
Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	28	4389m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	12pcs	4389m
		Majlis	25pcs	696m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				5085m

Site Plan – KMZ (Overview site area)

Proposed FDP and Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)

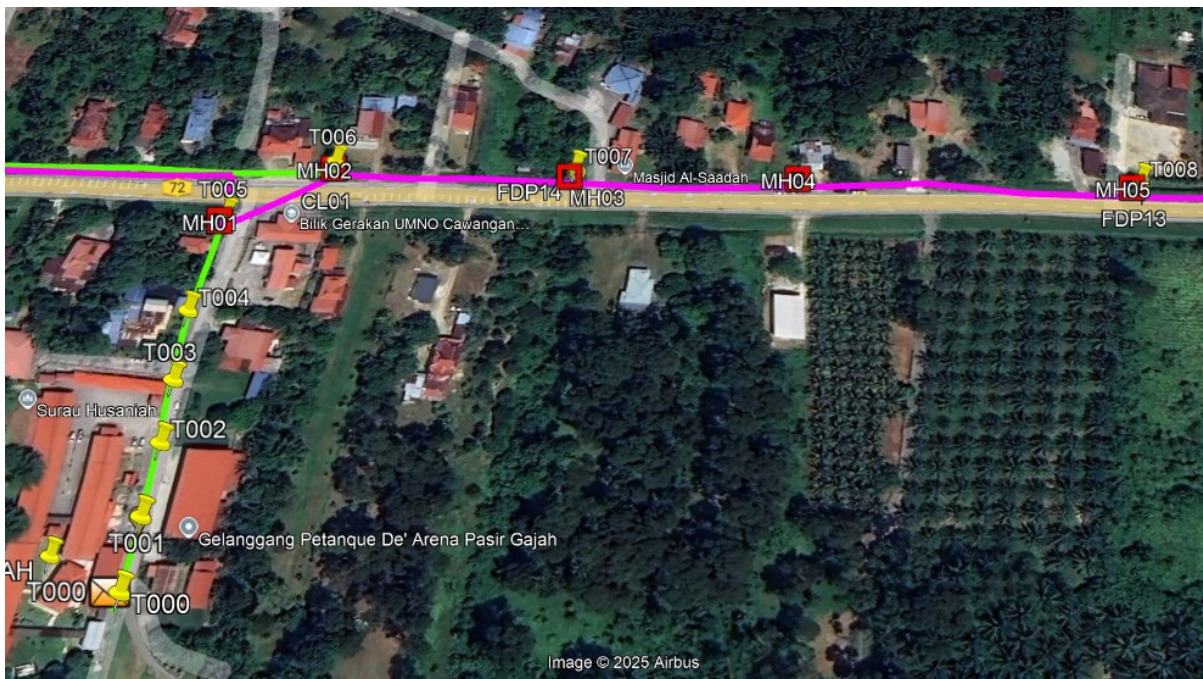
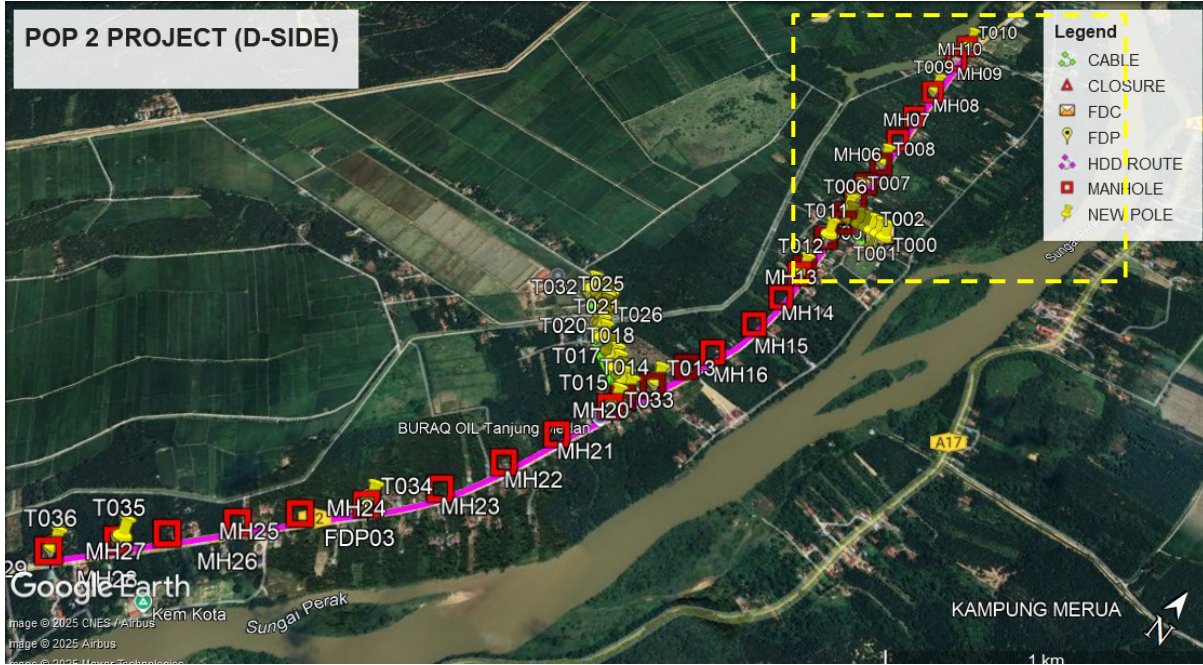


Red – JKR Perak

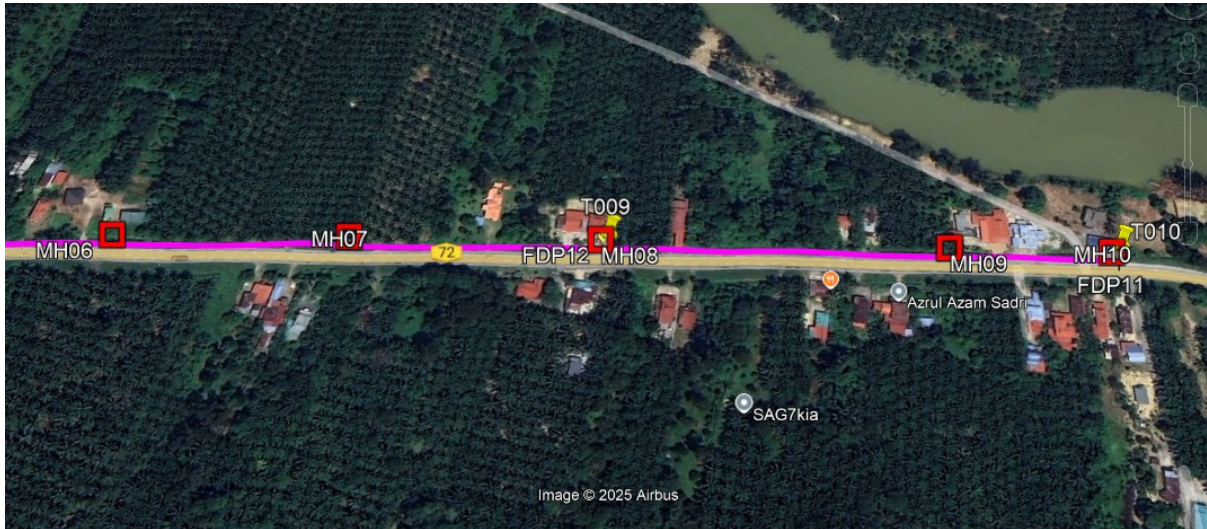
Blue - Majlis Perbandaran Perak Tengah

Site Plan – KMZ Routing (All site area)

Route 1

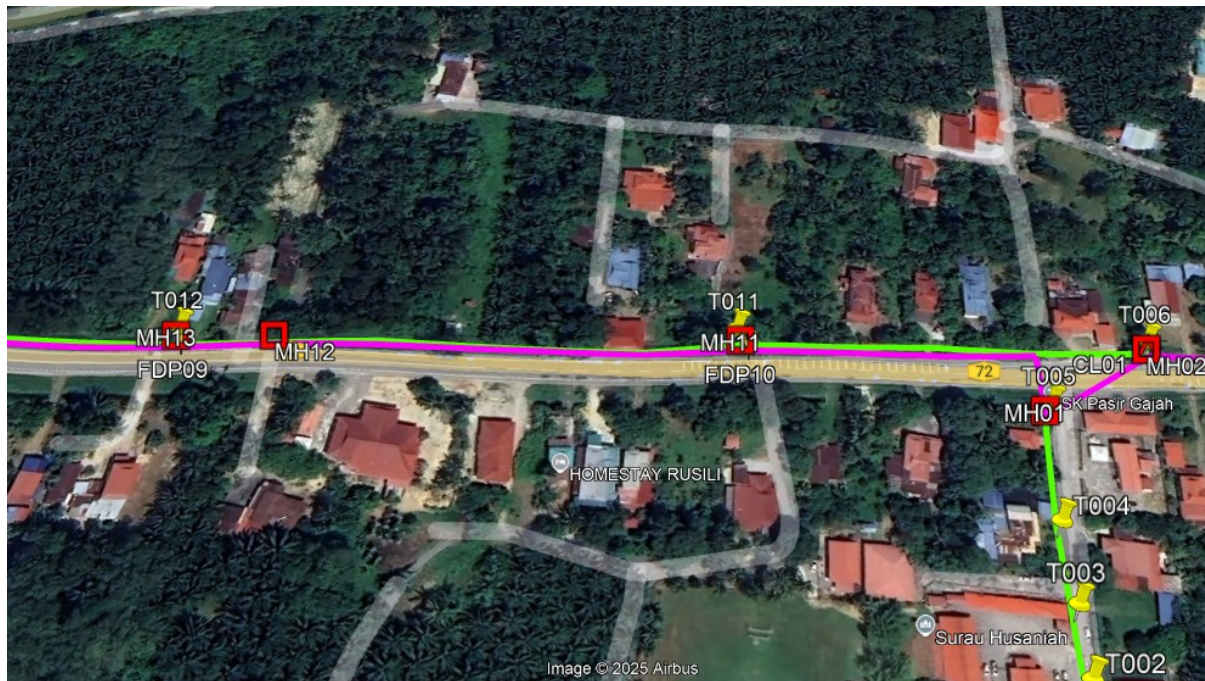
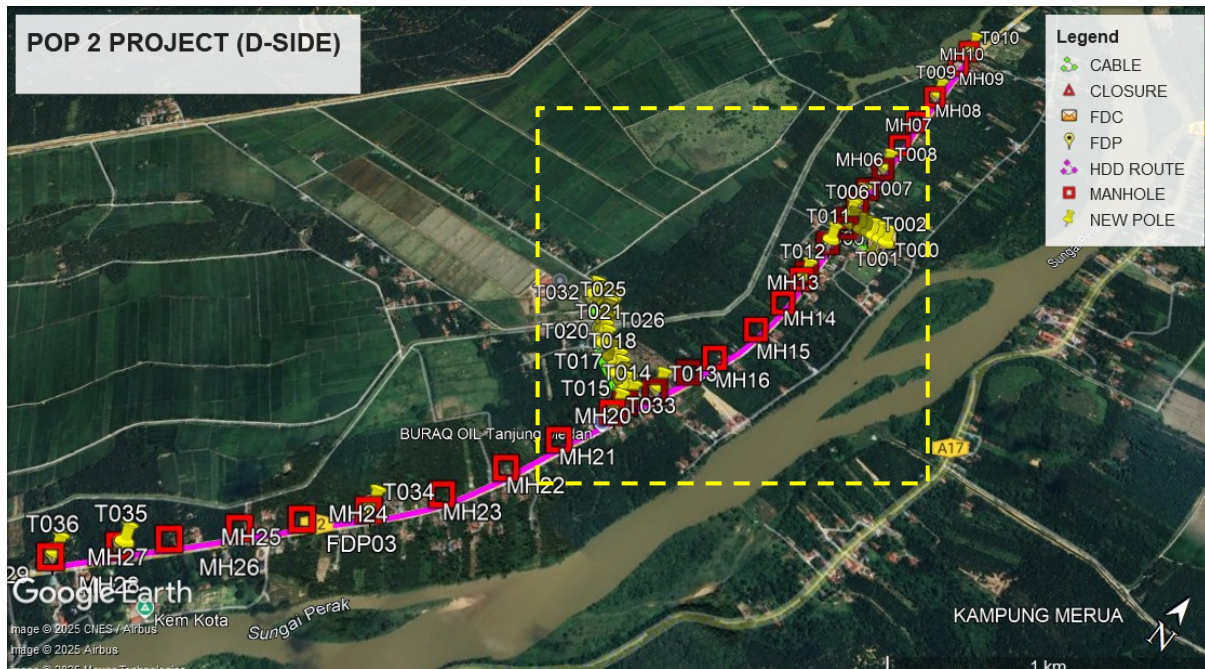


Route 1.1

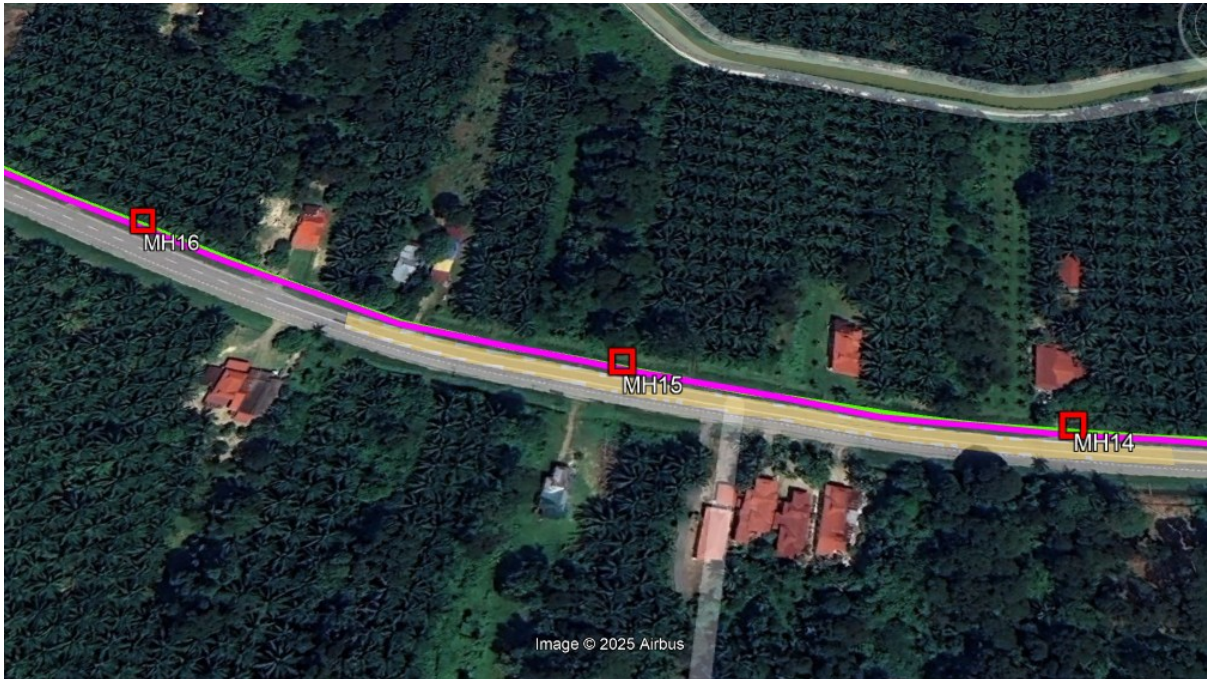


Route 1.2

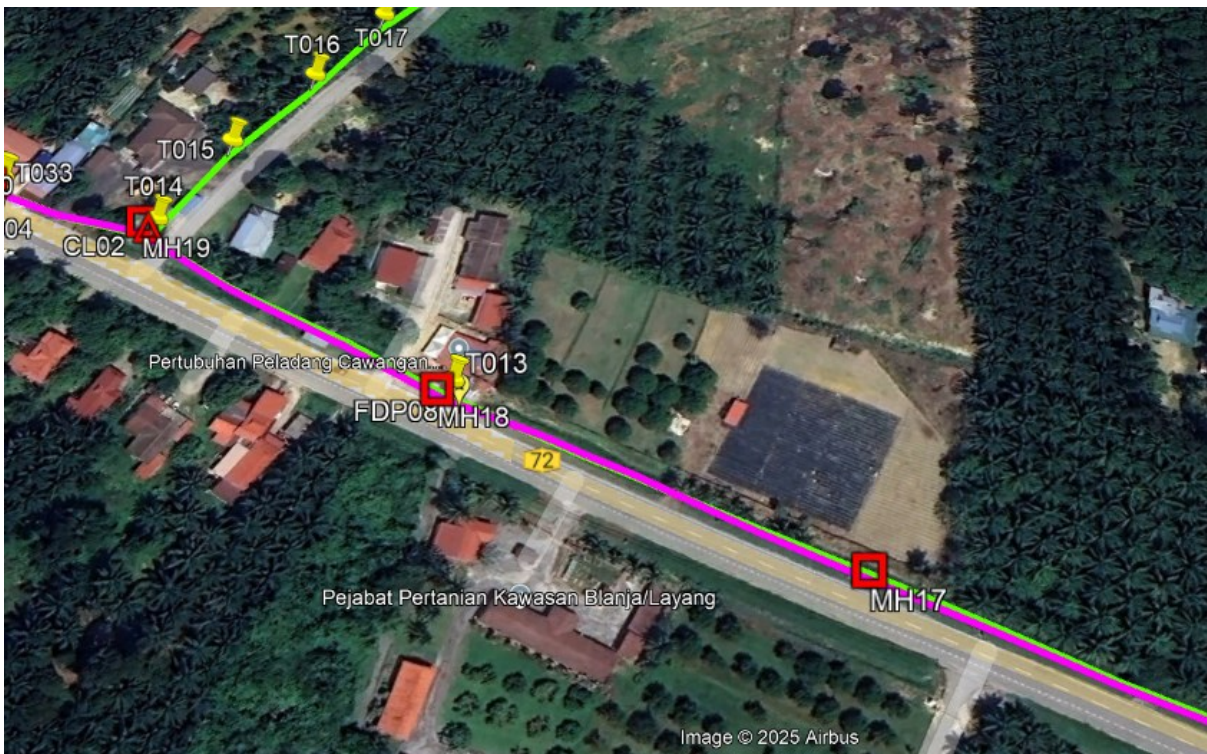
Route 2



Route 2.1

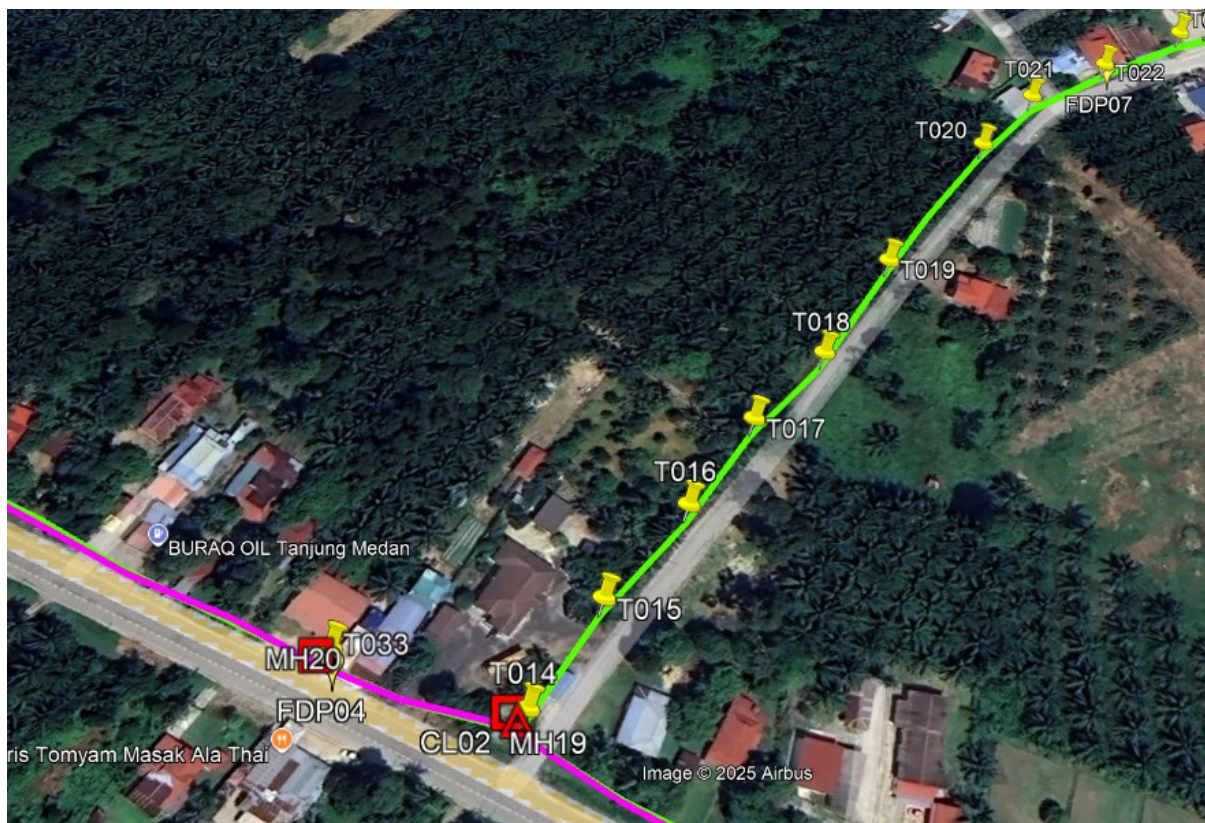
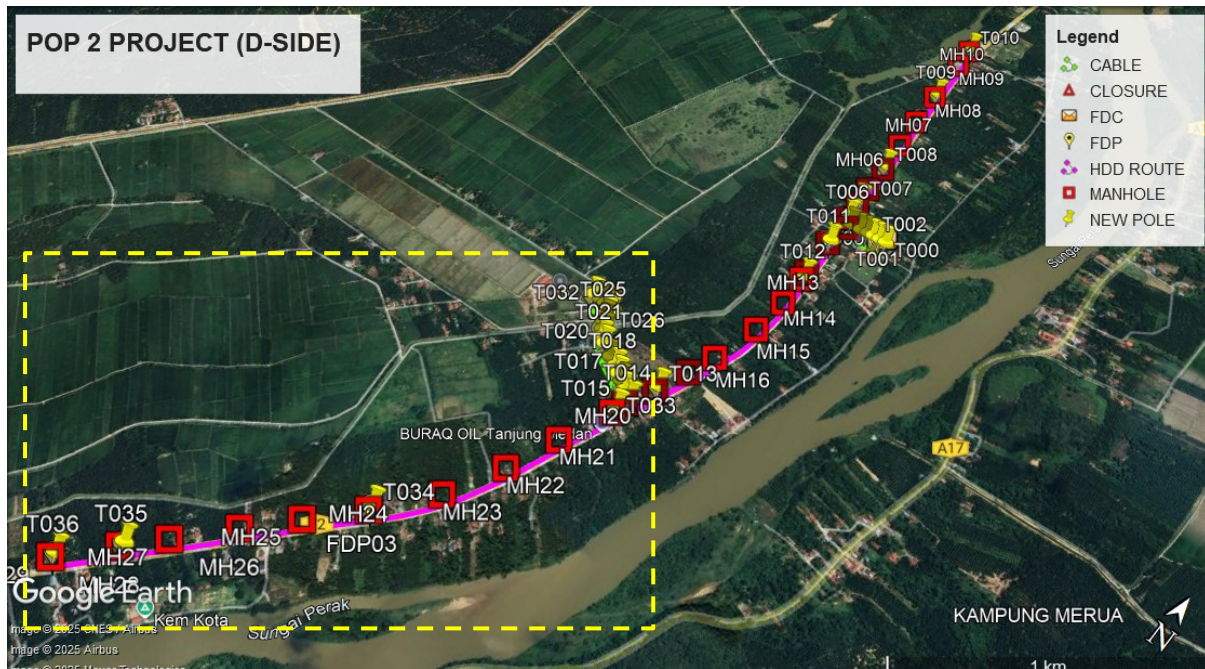


Route 2.2

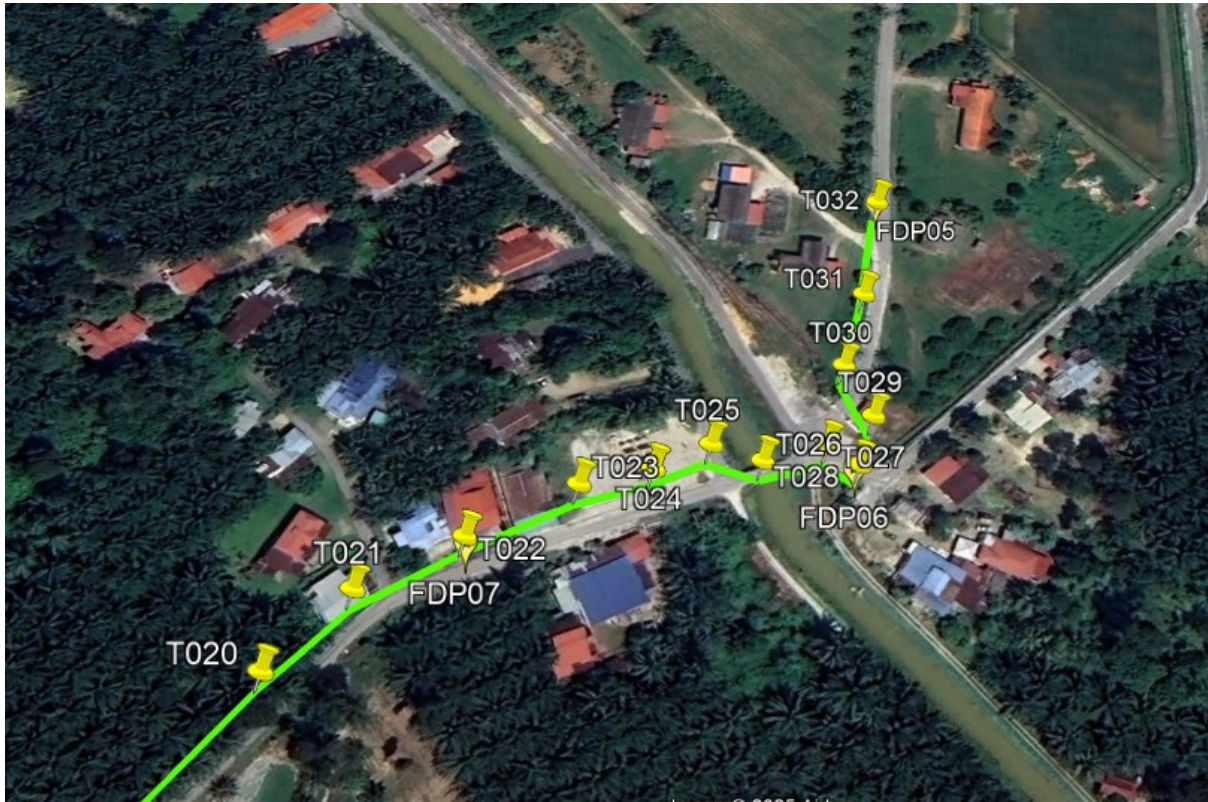


Route 2.3

Route 3



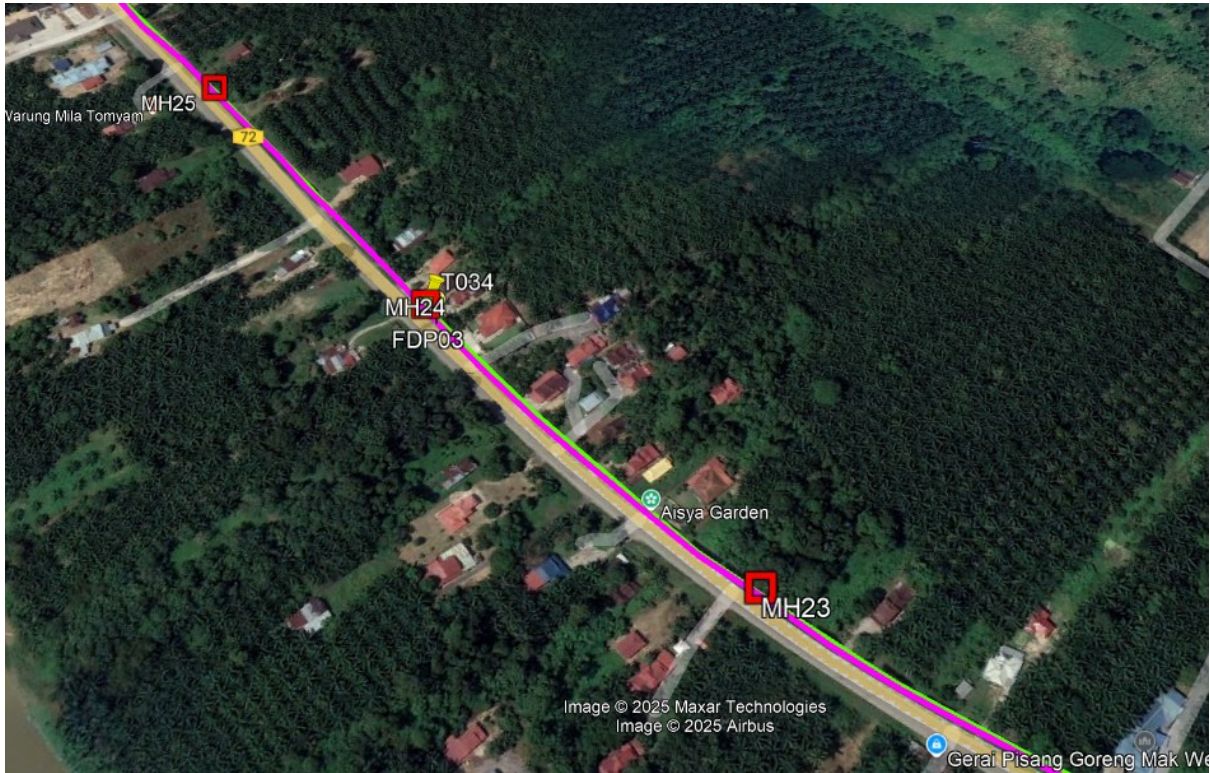
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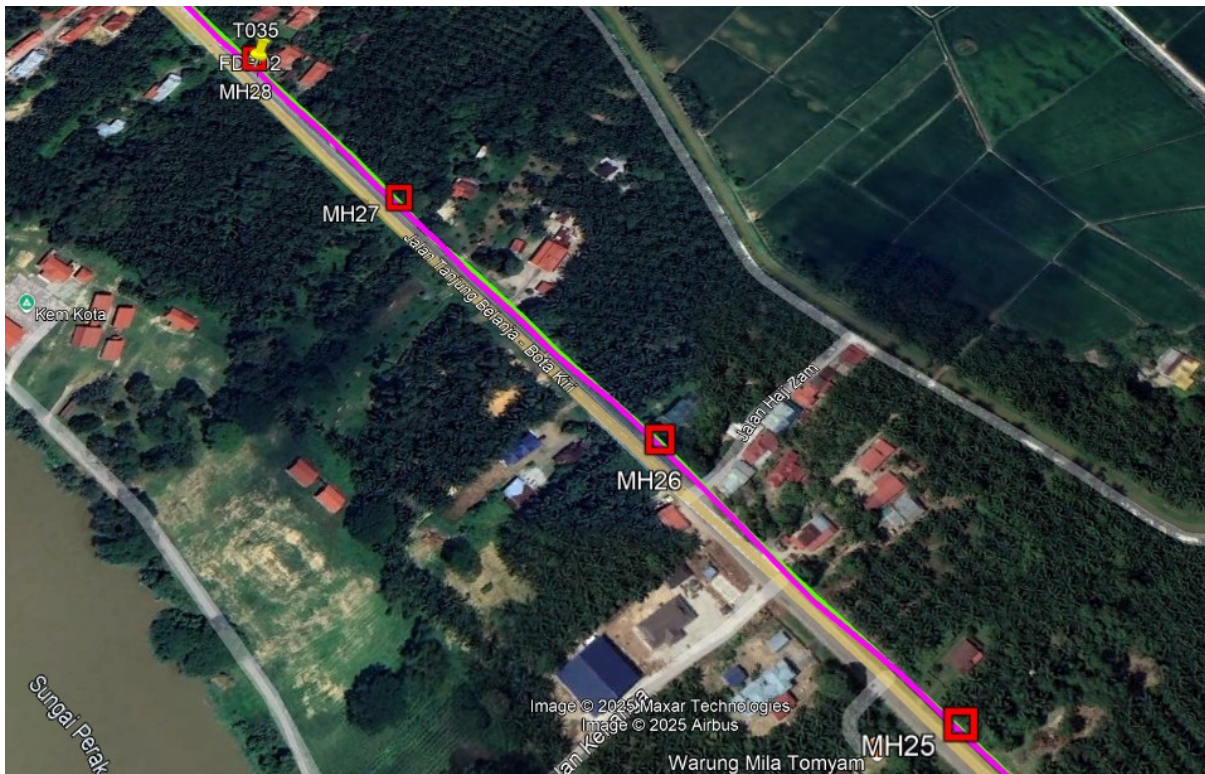
Route 3.2



Route 3.3



Route 3.4



Route 3.5

Site Plan – KMZ Routing (Prop New Manhole)

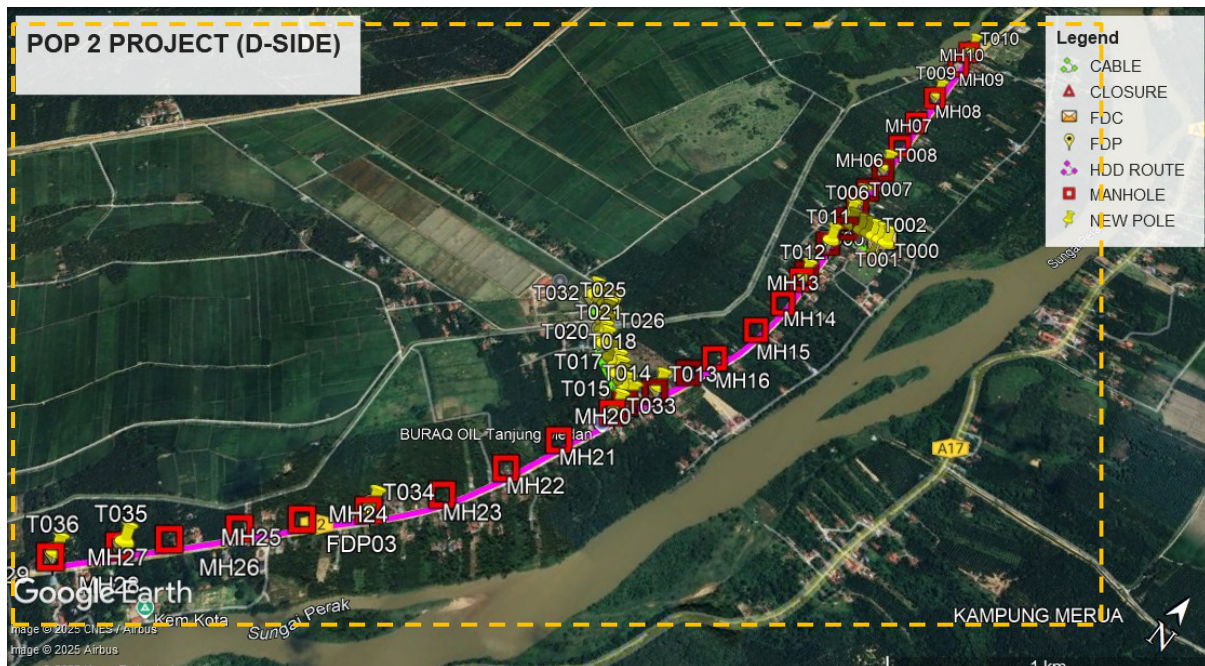


Figure 1: Location 1 (MH1-4.443306,100.898520) (MH2- 4.443665, 100.898272)

Location 2 (MH2-4.443665,100.898272) (MH3- 4.444511, 100.898242)

Location 3 (MH3- 4.444511,100.898242) (MH4- 4.445330, 100.898203)

Location 4 (MH4-4.445330,100.898203) (MH5- 4.446526, 100.898161)

Location 5 (MH5- 4.446526,100.898161) (MH6- 4.447922, 100.898089)

Location 6 (MH6-4.447922,100.898089) (MH7- 4.449388, 100.897995)

Location 7 (MH7-4.449388,100.897995) (MH8- 4.450958, 100.897939)

Location 8 (MH8-4.450958,100.897939) (MH9- 4.453113, 100.897856)

Location 9 (MH9-4.453113,100.897856) (MH10- 4.454107, 100.897827)

Location 10 (MH1-4.443306,100.898520) (MH11- 4.442313, 100.898322)

Location 11 (MH11-4.442313,100.898322) (MH12- 4.440758, 100.898412)

Location 12 (MH12-4.440758,100.898412) (MH13- 4.440421, 100.898421)

Location 13 (MH13-4.440421,100.898421) (MH14- 4.439214, 100.898432)

Location 14 (MH14- 4.439214, 100.898432) (MH15- 4.437734, 100.898305)

Location 15 (MH15- 4.437734, 100.898305) (MH16- 4.435994, 100.897836)

Location 16 (MH16- 4.435994, 100.897836) (MH17- 4.435036, 100.897474)

Location 17 (MH17- 4.435036, 100.897474) (MH18- 4.433814, 100.897011)



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))



- Location 18 (MH18-4.435036,100.897474) (MH19- 4.432857, 100.896529)
- Location 19 (MH19-4.432857,100.896529) (MH20- 4.432359, 100.896411)
- Location 20 (MH20-4.432359,100.896411) (MH21- 4.430590, 100.895672)
- Location 21 (MH21-4.430590,100.895672) (MH22- 4.428865, 100.894992)
- Location 22 (MH22-4.428865,100.894992) (MH23- 4.427055, 100.894009)
- Location 23 (MH23-4.427055,100.894009) (MH24- 4.425340, 100.892621)
- Location 24 (MH24-4.425340,100.892621) (MH25- 4.423930, 100.891266)
- Location 25 (MH25-4.423930,100.891266) (MH26- 4.422617, 100.890000)
- Location 26 (MH26-4.422617,100.890000) (MH27- 4.421140, 100.888599)
- Location 27 (MH27-4.421140,100.888599) (MH28- 4.420122, 100.887607)
- Location 28 (MH28-4.420122,100.887607) (MH29- 4.421140, 100.888599)

KMZ Plan

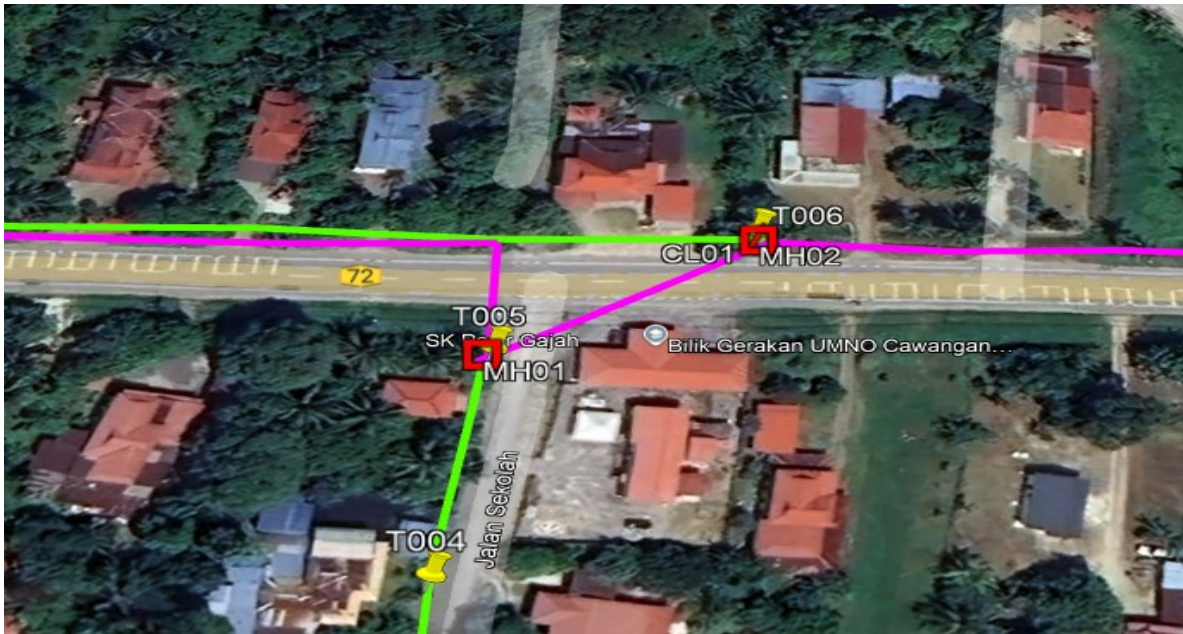


Figure 2: Location 1 (MH1- 4.443306, 100.898520) (MH2- 4.443665, 100.898272)

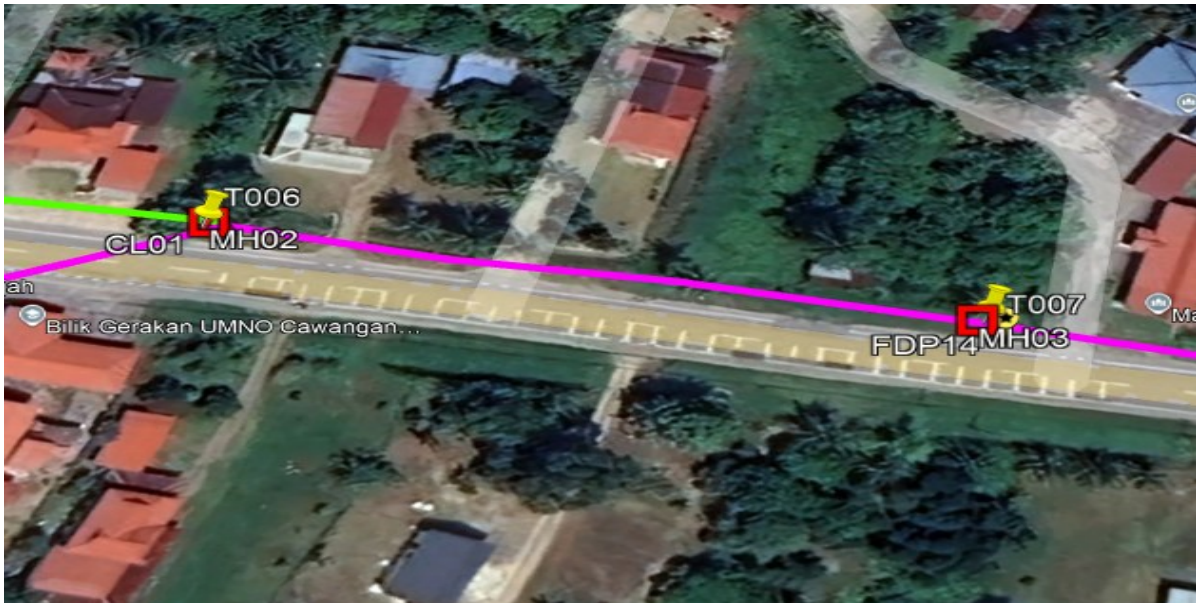
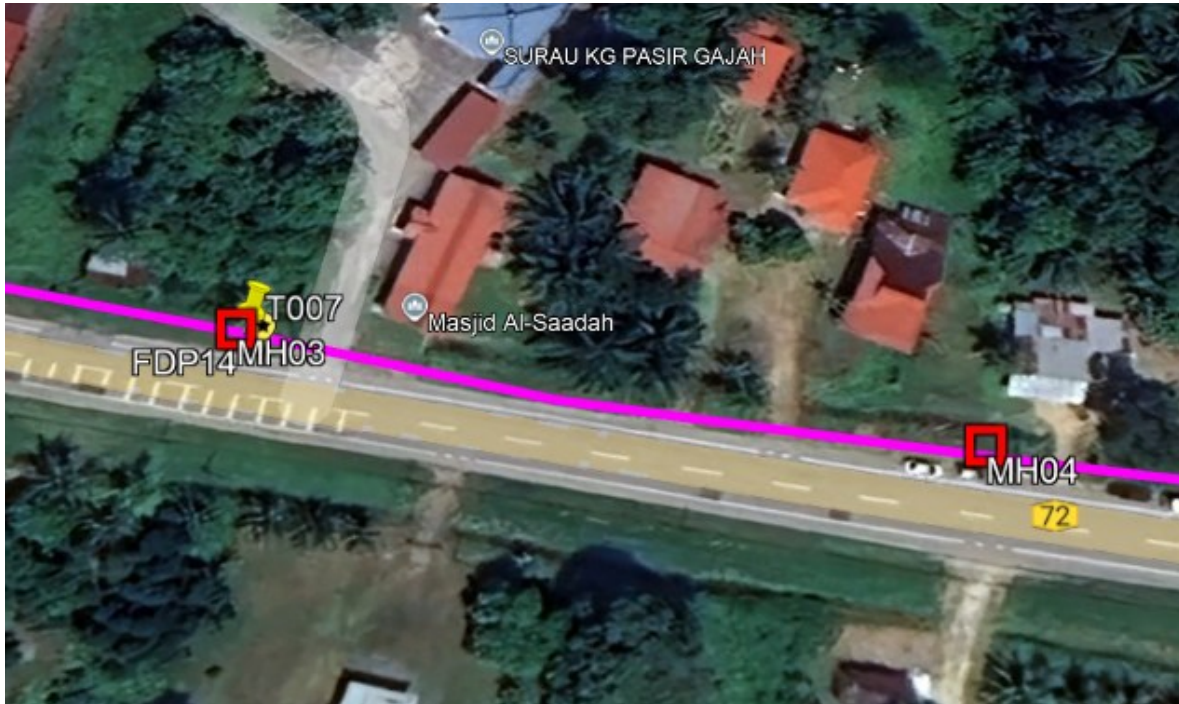


Figure 3: Location 2 (MH2- 4.443665, 100.898272) (MH3- 4.444511, 100.898242)



Location 3 (MH3- 4.444511, 100.898242) (MH4- 4.445330, 100.898203)



Location 4 (MH4- 4.445330, 100.898203) (MH5- 4.446526, 100.898161)



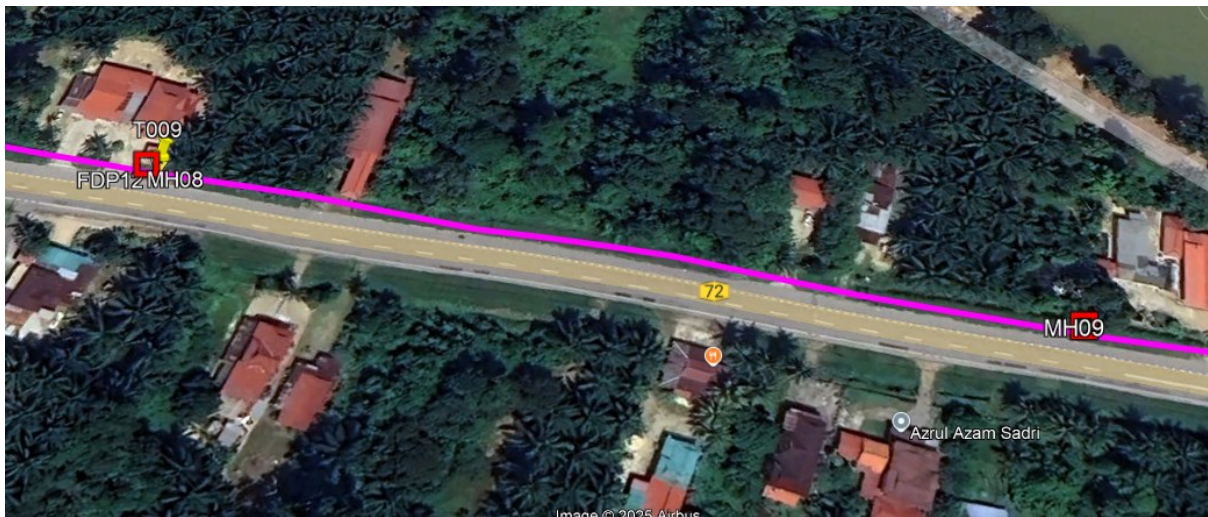
Location 5 (MH5- 4.446526, 100.898161) (MH6- 4.447922, 100.898089)



Location 6 (MH6- 4.447922, 100.898089) (MH7- 4.449388, 100.897995)



Location 7 (MH7- 4.449388, 100.897995) (MH8- 4.450958, 100.897939)



Location 8 (MH8- 4.450958, 100.897939) (MH9- 4.453113, 100.897856)



Location 9 (MH9- 4.453113, 100.897856) (MH10- 4.454107, 100.897827)



Location 10 (MH1- 4.443306, 100.898520) (MH11- 4.442313, 100.898322)



Location 11 (MH11- 4.442313, 100.898322) (MH12- 4.440758, 100.898412)



Location 12 (MH12- 4.440758, 100.898412) (MH13- 4.440421, 100.898421)



Location 13 (MH13- 4.440421, 100.898421) (MH14- 4.439214, 100.898432)



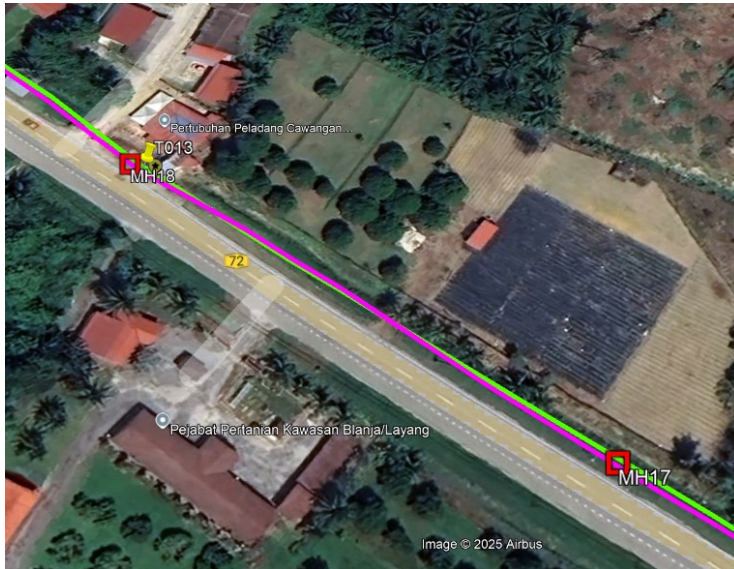
Location 14 (MH14- 4.439214, 100.898432) (MH15- 4.437734, 100.898305)



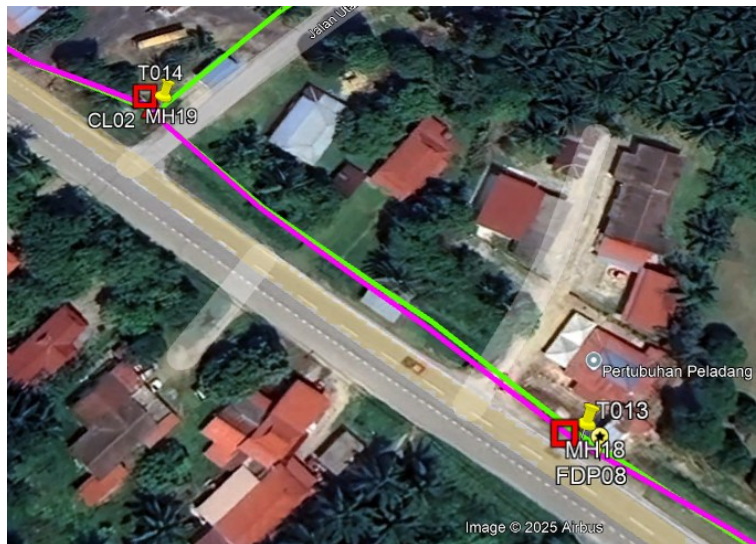
Location 15 (MH15- 4.437734, 100.898305) (MH16- 4.435994, 100.897836)



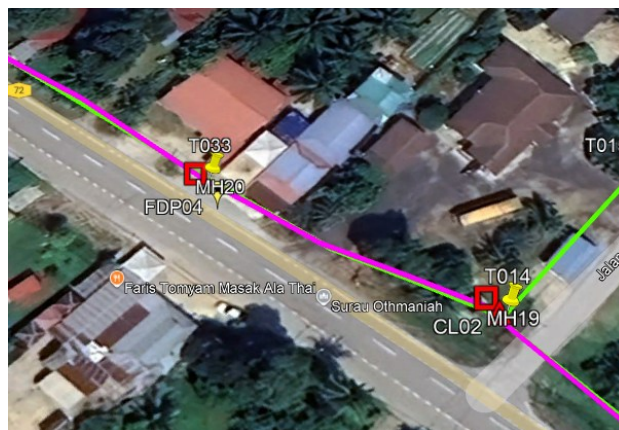
Location 16 (MH16- 4.435994, 100.897836) (MH17- 4.435036, 100.897474)



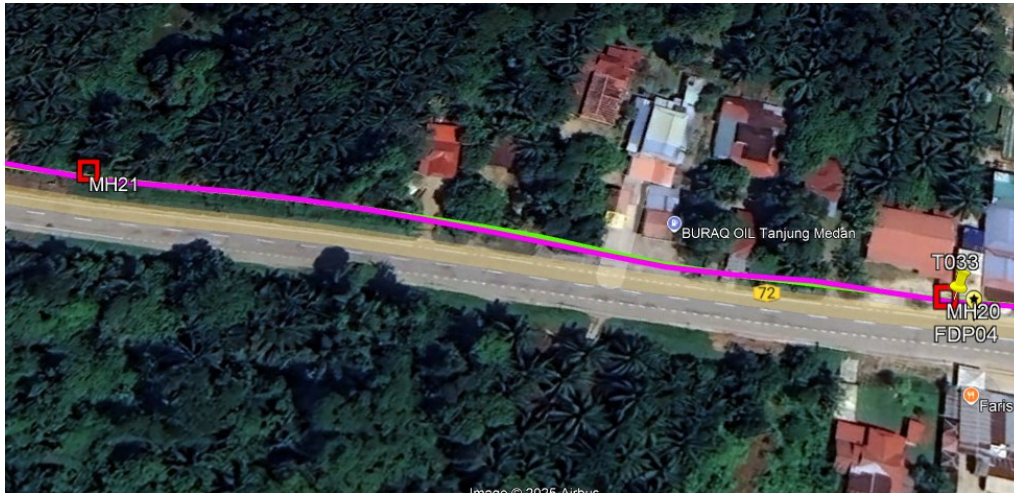
Location 17 (MH17- 4.435036, 100.897474) (MH18- 4.433814, 100.897011)



Location 18 (MH18- 4.435036, 100.897474) (MH19- 4.432857, 100.896529)



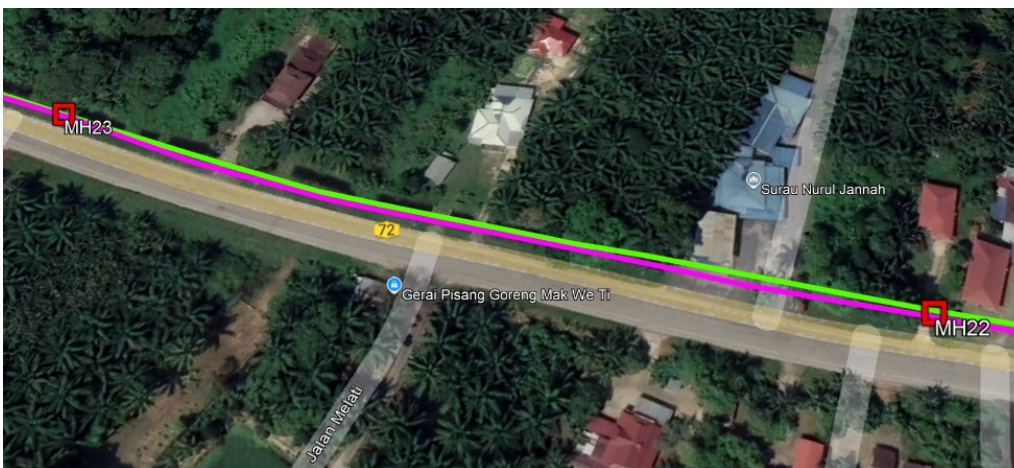
Location 19 (MH19- 4.432857, 100.896529) (MH20- 4.432359, 100.896411)



Location 20 (MH20- 4.432359, 100.896411) (MH21- 4.430590, 100.895672)



Location 21 (MH21- 4.430590, 100.895672) (MH22- 4.428865, 100.894992)



Location 22 (MH22- 4.428865, 100.894992) (MH23- 4.427055, 100.894009)



Location 23 (MH23- 4.427055, 100.894009) (MH24- 4.425340, 100.892621)



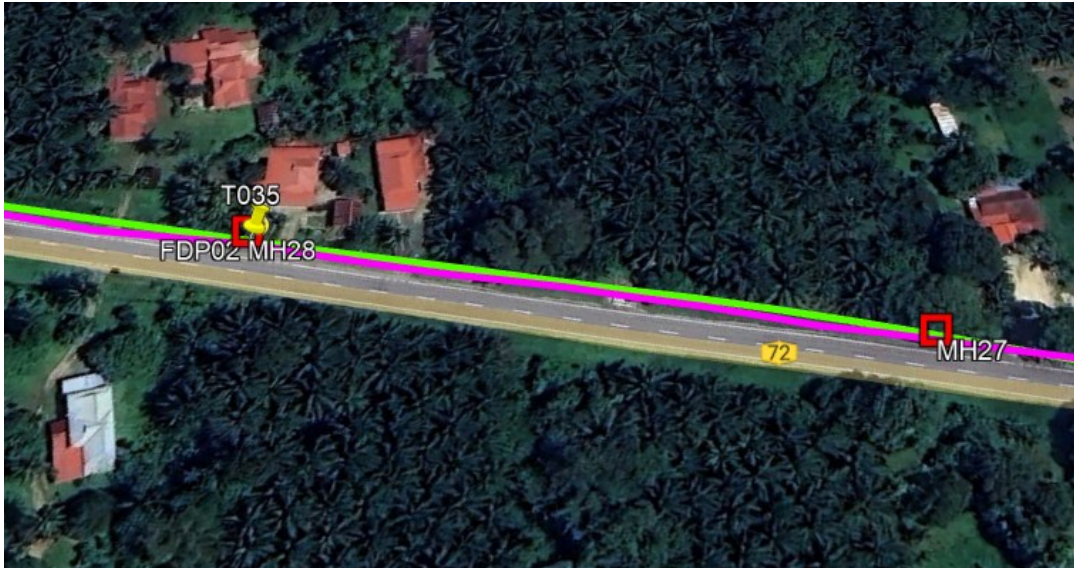
Location 24 (MH24- 4.425340, 100.892621) (MH25- 4.423930, 100.891266)



Location 25 (MH25- 4.423930, 100.891266) (MH26- 4.422617, 100.890000)



Location 26 (MH26- 4.422617, 100.890000) (MH27- 4.421140, 100.888599)



Location 27 (MH27- 4.421140, 100.888599) (MH28- 4.420122, 100.887607)



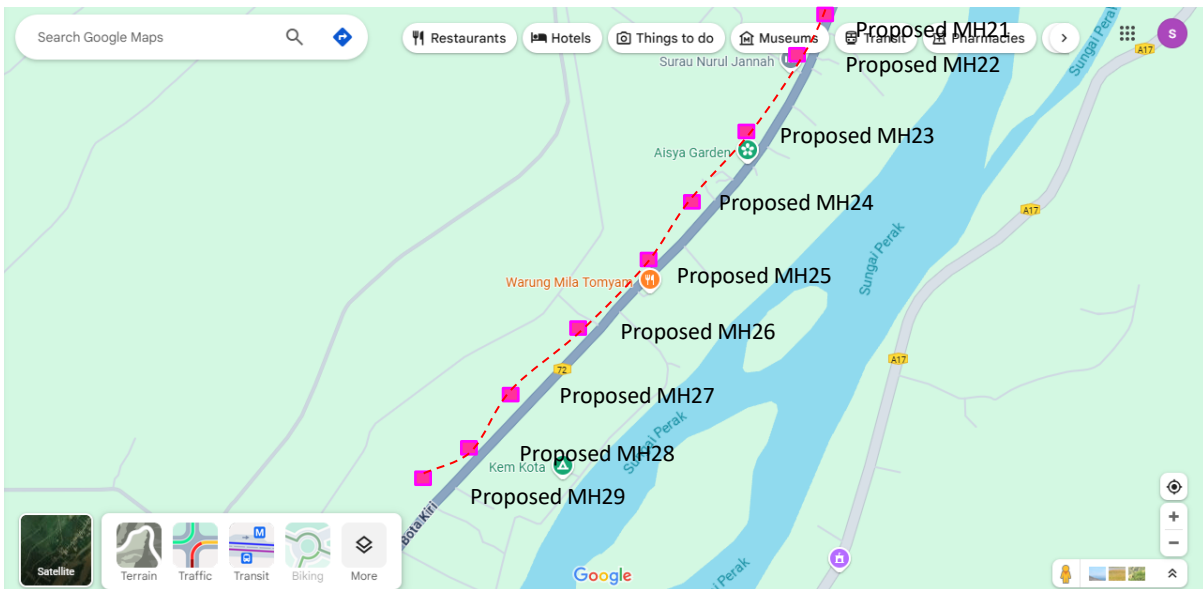
Location 28 (MH28- 4.420122, 100.887607) (MH29- 4.421140, 100.888599)

Site Plan – Google Map (routing plan, Manhole)





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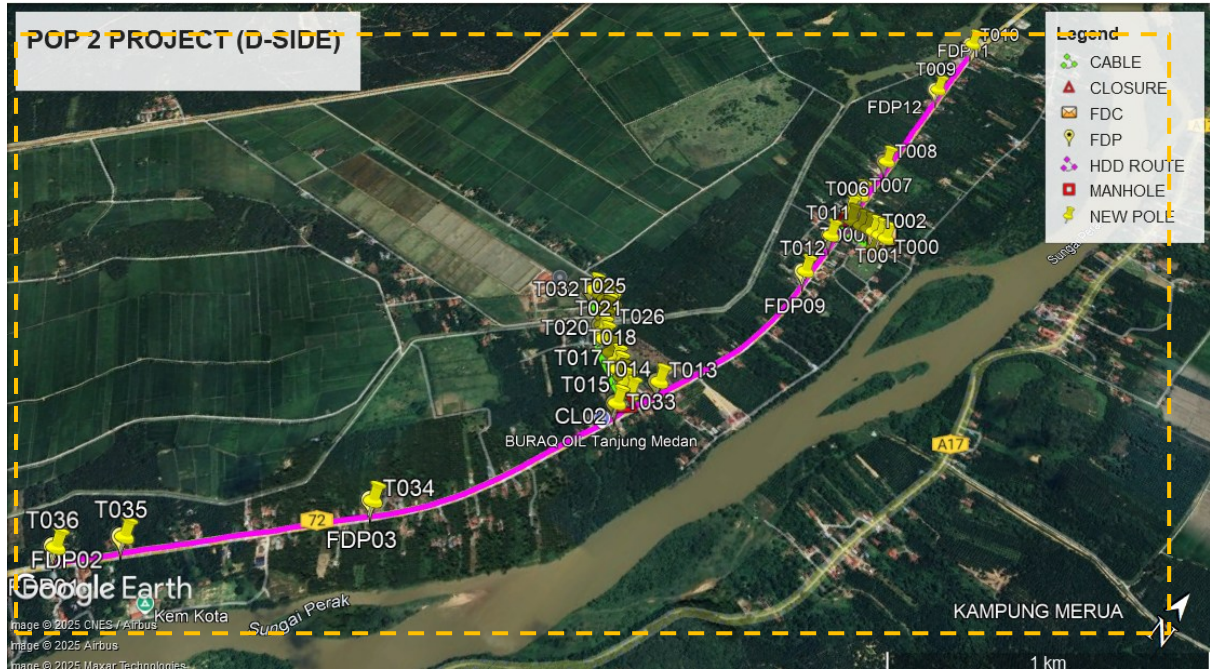
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Proposed New Manhole Lat & Long Table

PROPOSED MANHOLE COORDINATE		
MANHOLE NUMBER	LATITUDE	LONGITUDE
MH1	4.443306	100.89852
MH2	4.443665	100.898272
MH3	4.444511	100.898242
MH4	4.44533	100.898203
MH5	4.446526	100.898161
MH6	4.447922	100.898089
MH7	4.449388	100.897995
MH8	4.450958	100.897939
MH9	4.453113	100.897856
MH10	4.454107	100.897827
MH11	4.442313	100.898322
MH12	4.440758	100.898412
MH13	4.440421	100.898421
MH14	4.439214	100.898432
MH15	4.437734	100.898305
MH16	4.435994	100.897836
MH17	4.435036	100.897474
MH18	4.435036	100.897474
MH19	4.432857	100.896529
MH20	4.432359	100.896411
MH21	4.43059	100.895672
MH22	4.428865	100.894992
MH23	4.427055	100.894009
MH24	4.42534	100.892621
MH25	4.42393	100.891266
MH26	4.422617	100.89
MH27	4.42114	100.888599
MH28	4.420122	100.887607
MH29	4.42114	100.888599
MH1	4.443306	100.89852

Site Plan – KMZ Routing (Proposed New Pole)



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	0.00	4.44332531	100.8996884	Majlis Perbandaran Perak Tengah
3	T002	0.00	4.443312594	100.8994325	Majlis Perbandaran Perak Tengah
4	T003	0.00	4.443292776	100.8992149	Majlis Perbandaran Perak Tengah
5	T004	0.00	4.443286789	100.8989216	Majlis Perbandaran Perak Tengah
6	T005	0.00	4.4433023	100.8985488	Majlis Perbandaran Perak Tengah
7	T006	0.00	4.443680647	100.8982854	JKR Perak
8	T007	0.00	4.444512403	100.8982382	JKR Perak
9	T008	0.00	4.446527807	100.8981657	JKR Perak
10	T009	0.00	4.450968044	100.8979363	JKR Perak
11	T010	0.00	4.454104517	100.8978212	JKR Perak
12	T011	0.00	4.442316044	100.8983209	JKR Perak
13	T012	0.00	4.44042843	100.8984187	JKR Perak
14	T013	0.00	4.433837856	100.8970061	JKR Perak
15	T014	0.00	4.432869985	100.8965626	Majlis Perbandaran Perak Tengah
16	T015	0.00	4.433043327	100.8962485	Majlis Perbandaran Perak Tengah
17	T016	0.00	4.433220537	100.8959766	Majlis Perbandaran Perak Tengah
18	T017	0.00	4.433383999	100.8956982	Majlis Perbandaran Perak Tengah
19	T018	0.00	4.433556981	100.8954663	Majlis Perbandaran Perak Tengah
20	T019	0.00	4.433725925	100.8951425	Majlis Perbandaran Perak Tengah
21	T020	0.00	4.43388281	100.8948771	Majlis Perbandaran Perak Tengah
22	T021	0.00	4.434041063	100.8946146	Majlis Perbandaran Perak Tengah
23	T022	0.00	4.434214797	100.8944014	Majlis Perbandaran Perak Tengah
24	T023	0.00	4.43445301	100.8942458	Majlis Perbandaran Perak Tengah
25	T024	0.00	4.434697371	100.8941081	Majlis Perbandaran Perak Tengah
26	T025	0.00	4.434888686	100.8940405	Majlis Perbandaran Perak Tengah

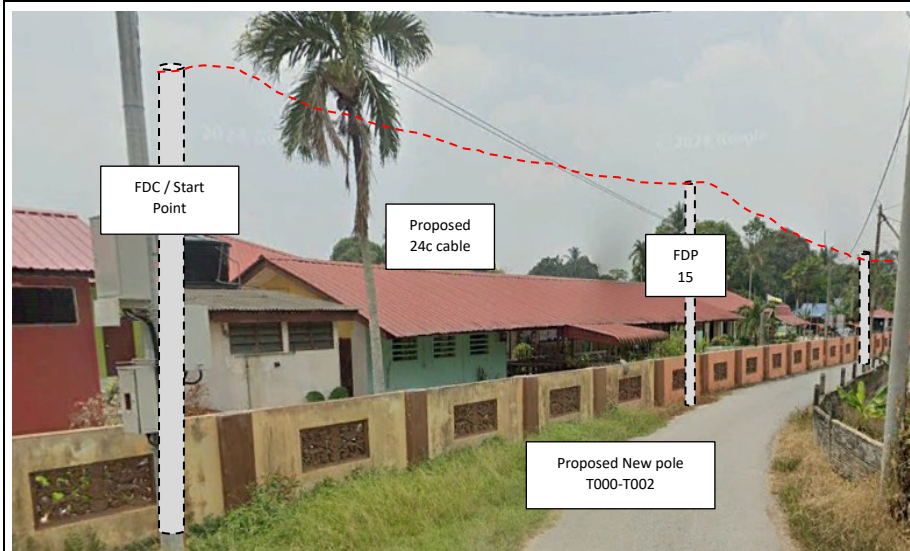


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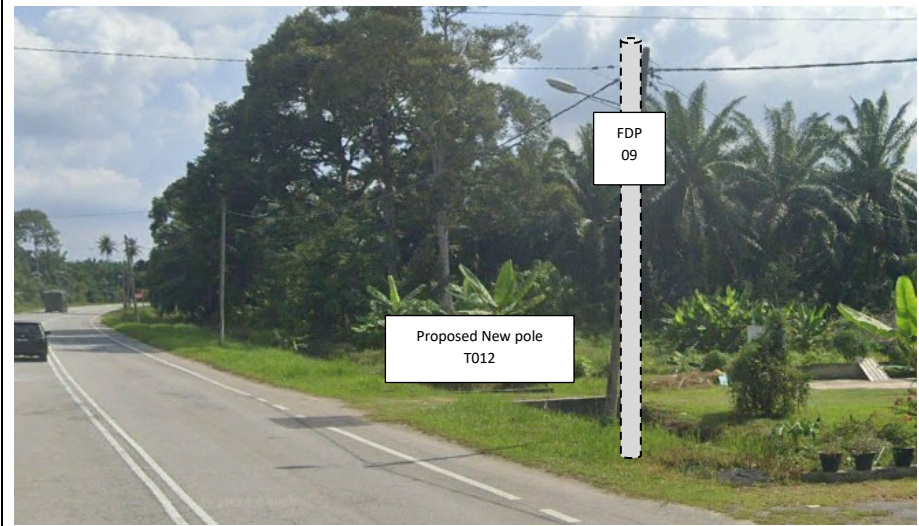


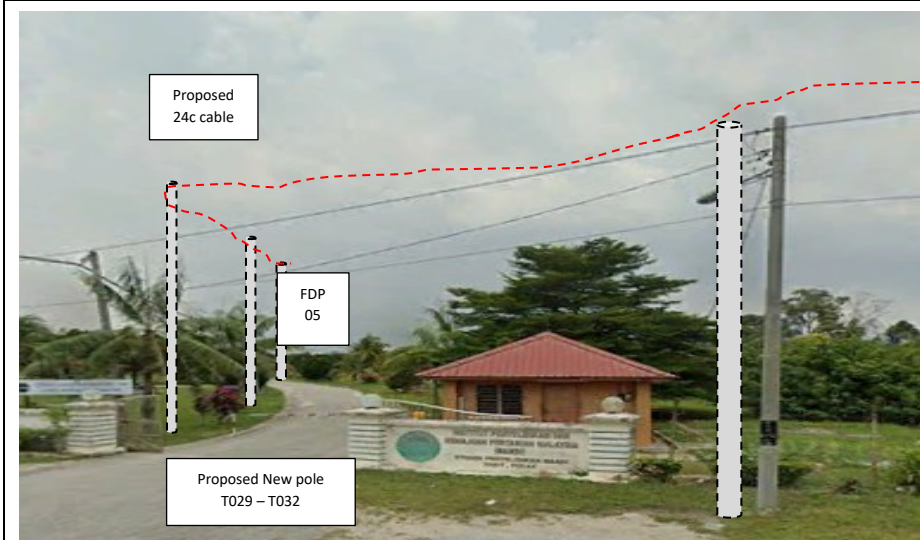
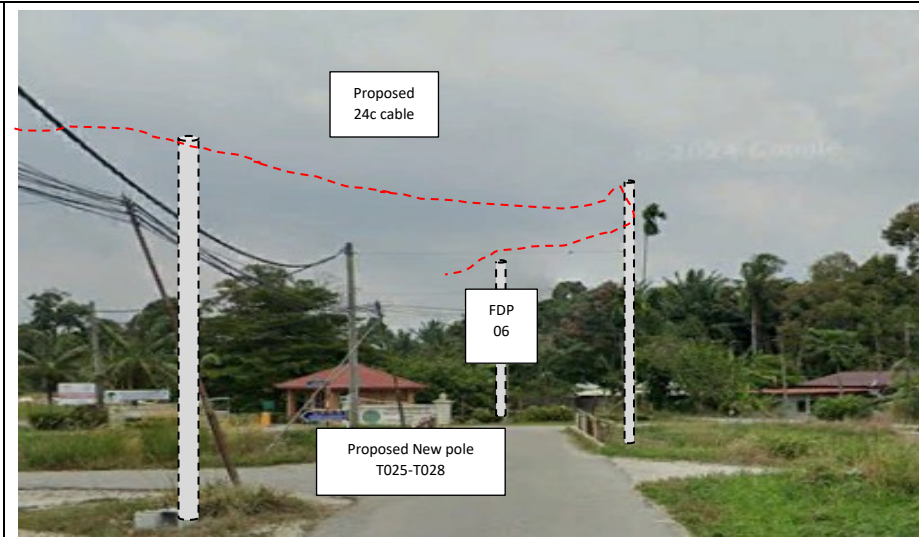
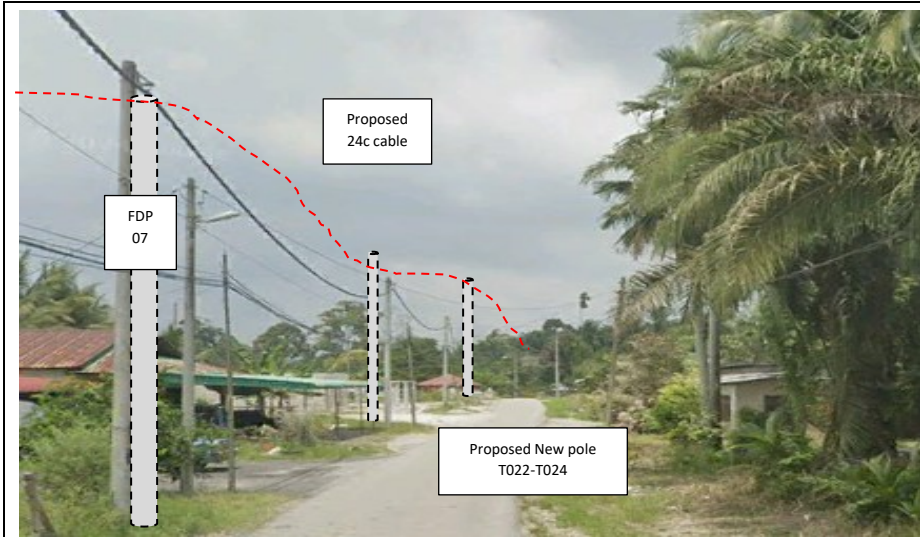
27	T026	0.00	4.435015721	100.893964	Majlis Perbandaran Perak Tengah
28	T027	0.00	4.43515405	100.893985	Majlis Perbandaran Perak Tengah
29	T028	0.00	4.435396705	100.8939597	Majlis Perbandaran Perak Tengah
30	T029	0.00	4.435424146	100.8938291	Majlis Perbandaran Perak Tengah
31	T030	0.00	4.435346376	100.8936974	Majlis Perbandaran Perak Tengah
32	T031	0.00	4.435402457	100.893404	Majlis Perbandaran Perak Tengah
33	T032	0.00	4.43543688	100.8930973	Majlis Perbandaran Perak Tengah
34	T033	0.00	4.43237897	100.8964089	JKR Perak
35	T034	0.00	4.42535614	100.892617	JKR Perak
36	T035	0.00	4.420133147	100.8876102	JKR Perak
37	T036	0.00	4.418706496	100.8862823	JKR Perak

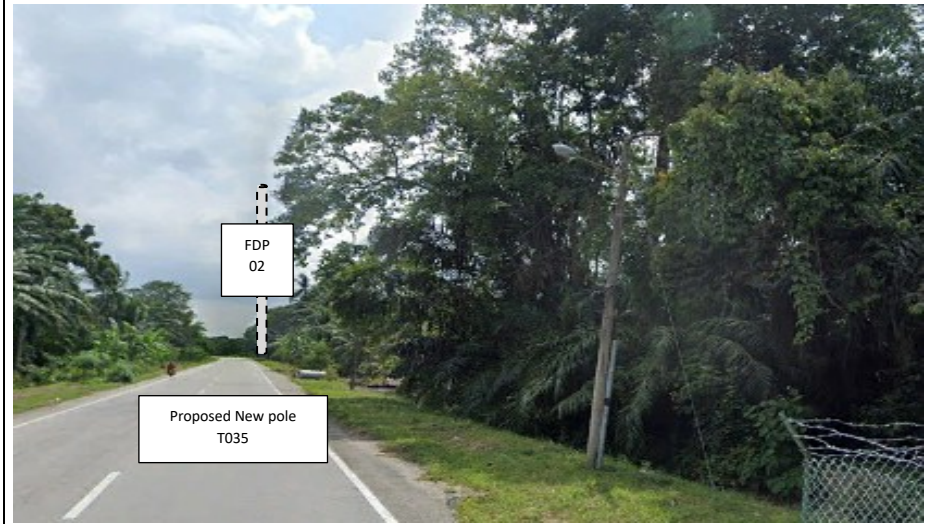
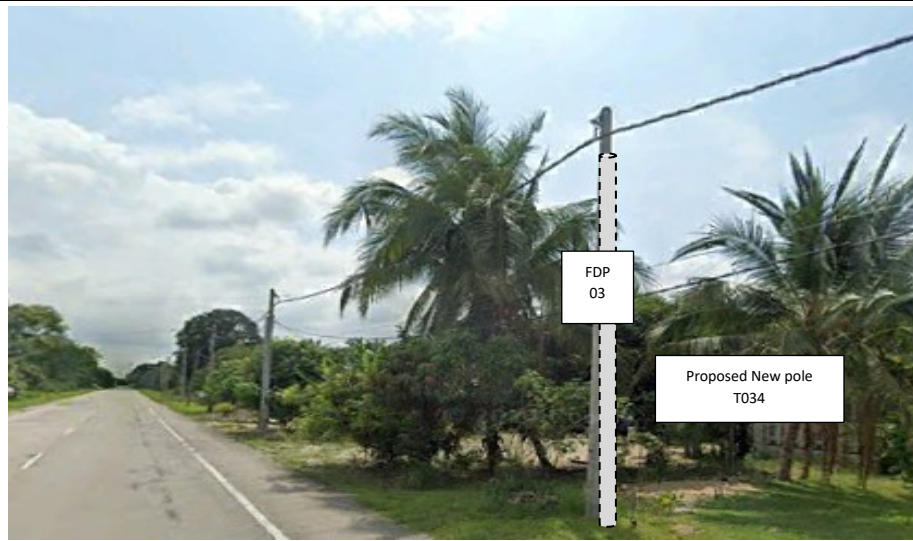
Site Photos – Proposed to install pole











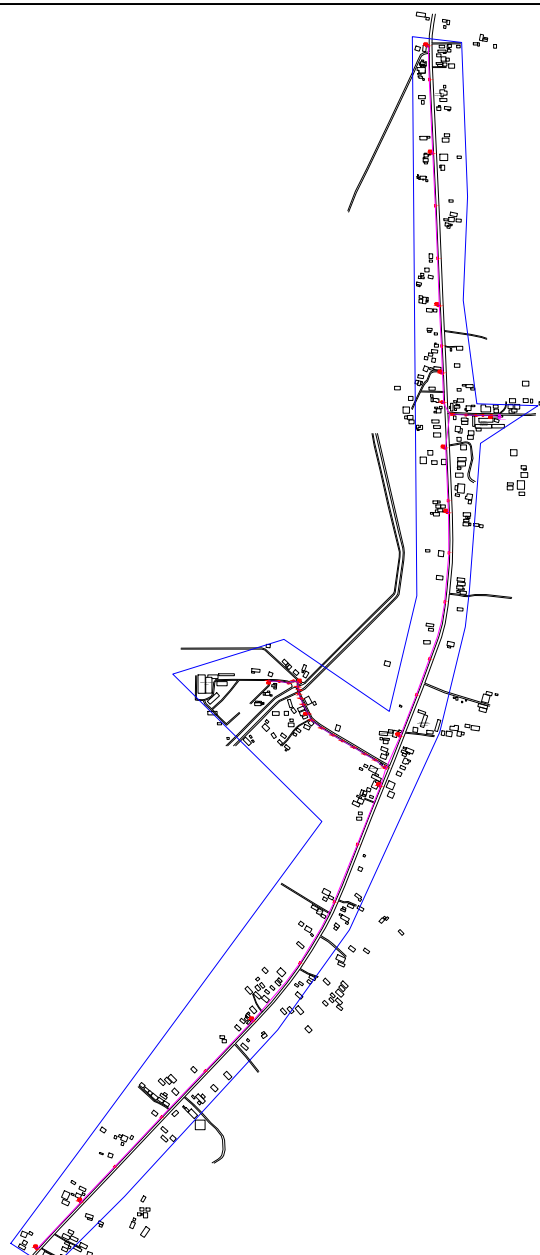


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



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.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	ES30	New Manhole (PIT)	29	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	508S 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	15	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 :



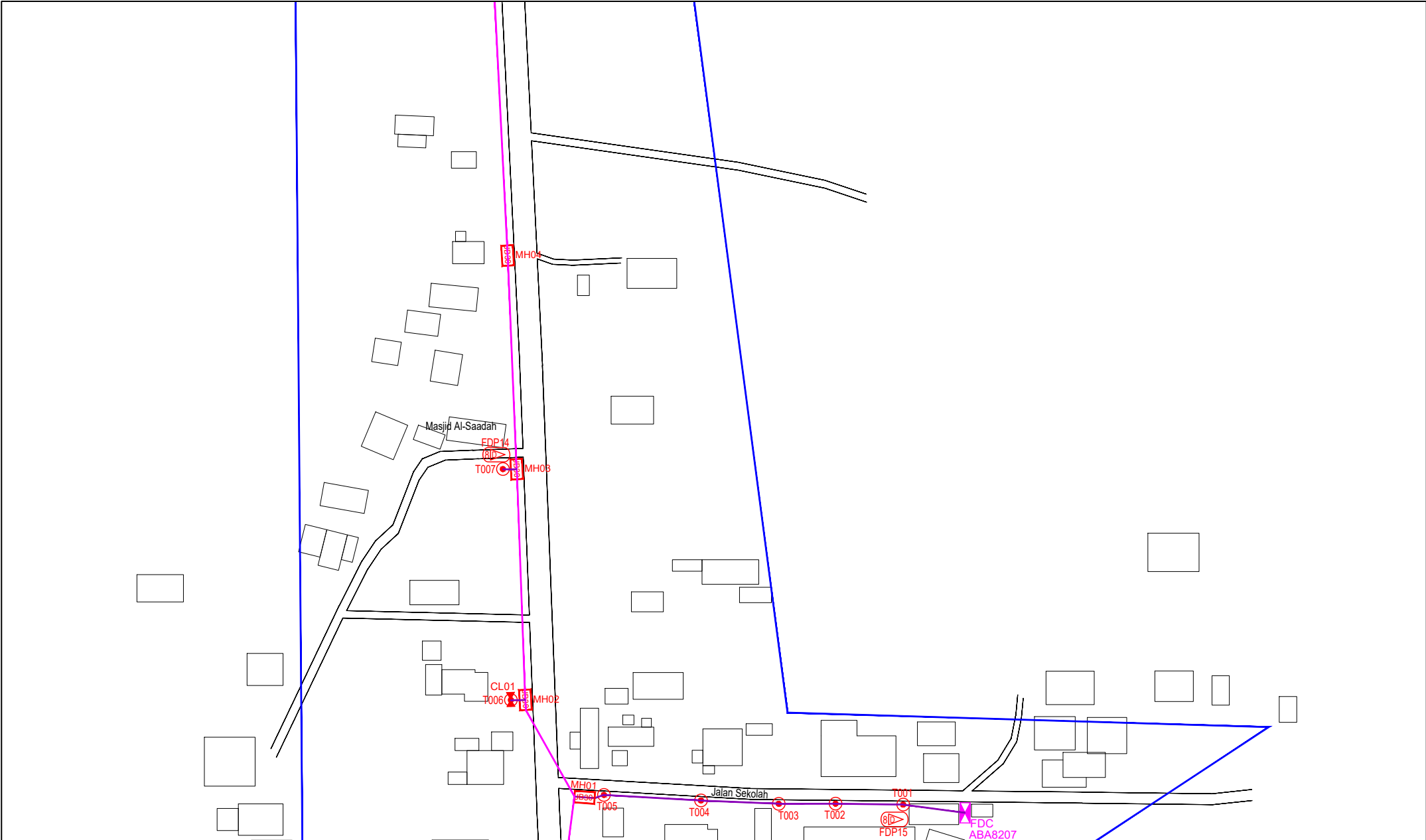
MAIN CONTRACTOR :

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

PROJECT TITLE :

DRAWING TITLE:
AS-BUILT SITE PLAN DRAWING
ABA8207
SEKOLAH KEBANGSAAN PASIR GAJAH

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABA8207-ABD-01	Sheet : 1/14
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PROJECT PHASE: POP 2	Size : A3




LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	1	Installed Pole (9m)	37	Suspension	37	UB30 New Manhole (PIT)	29	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	Installed Patch Cord	1	Installed Pole (7.5M)	37	Tension	37	UB7 New Manhole(JRC7)	29	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC	FDC	1	Installed Pole (6.7M)	37	Pole Ring	37	FDP Boundary	37	Loop / Coil (Meter)	P001	New Pole NO.
96C FOC	Closure	2	Existing TNB Pole	37	FDP with (1:8) splitter	15	HDD (Meter)	4389	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC	Existing Closure	2	Installed Riser	37	Existing Manhole	37	Open Cut (Meter)	4389	FDC 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 JALIL,
BANDAR PUTRA PERANG,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 5938 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

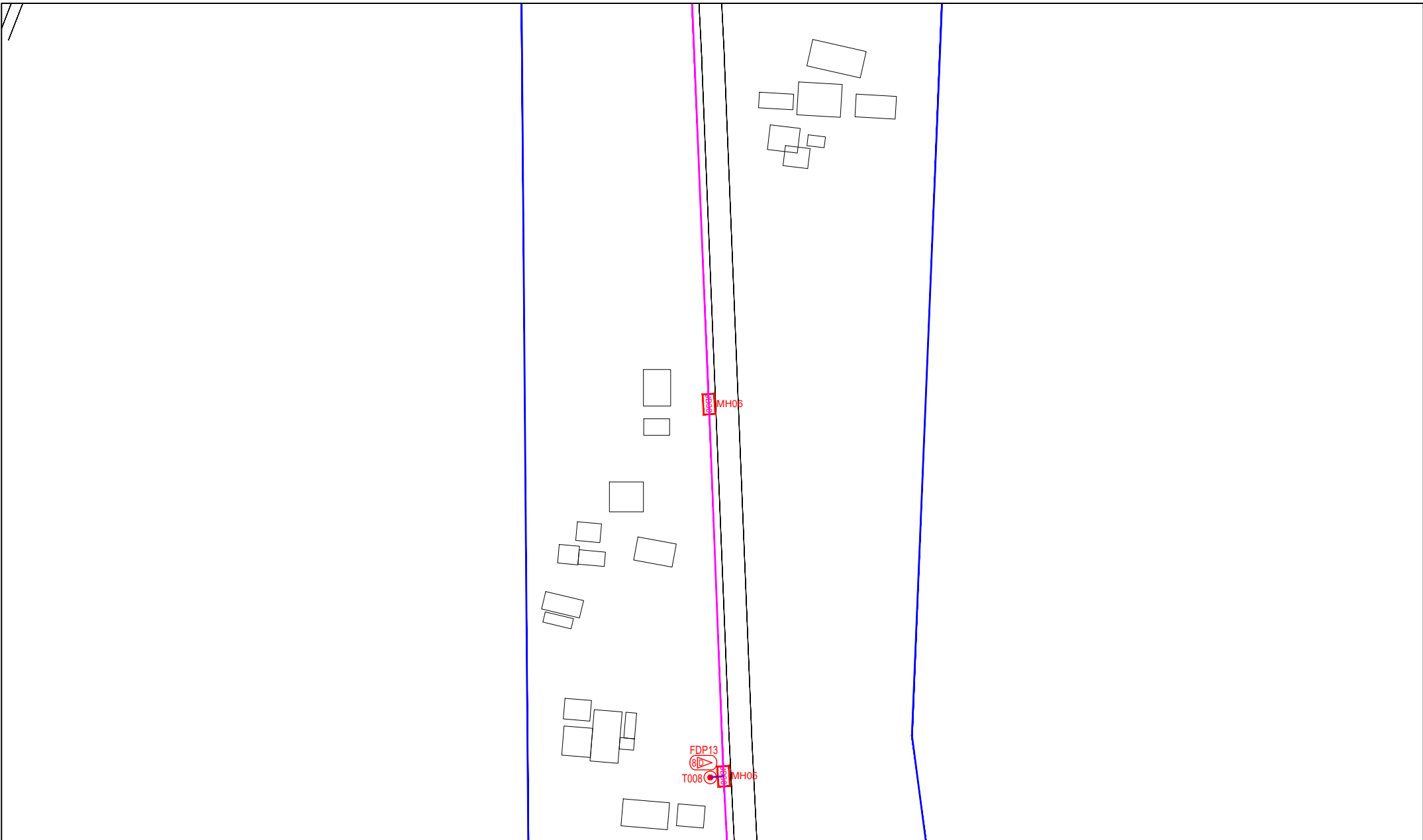
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Job Number : 1

DRAWING NUMBER :
ABA8207-ABD-01A

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Sheet :
2/14

Size :
A3



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	S	Suspension	MB30	New Manhole (PIT)	29	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	37	T	MB30	New Manhole(JRC7)		Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC	5085 FDC	Installed Pole (6.7M)		Pole Ring	MB30	FDP Boundary		Loop / Coil (Meter)	P001	New Pole NO.
96C FOC	Closure	Existing TNB Pole	2	FDP with (1:8) splitter	MB30	HDD (Meter)	4389	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC	Existing Closure	Installed Riser		Existing Manhole	MB30	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 SDNG,
50200 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 9968 5063
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

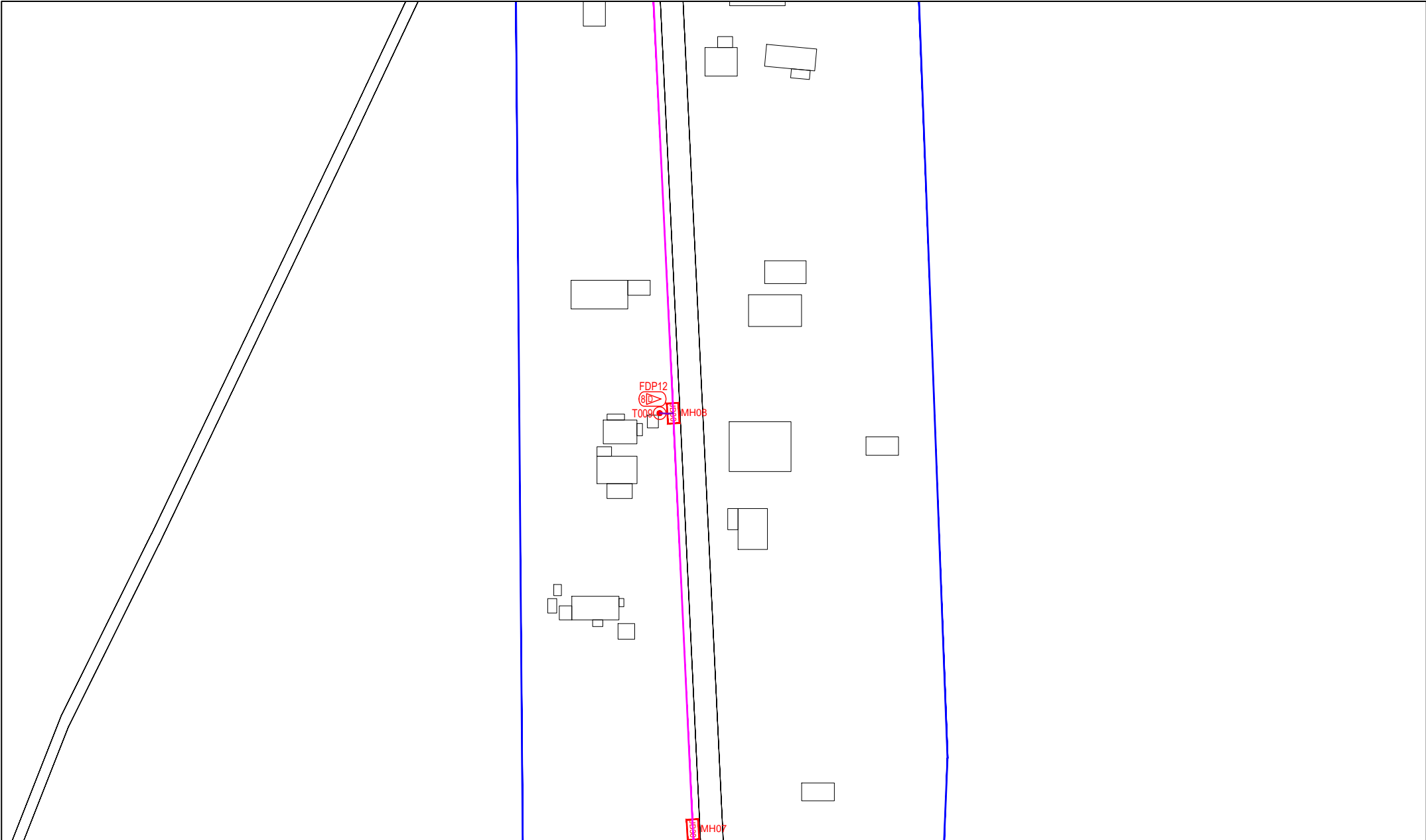
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Job Number : 1

DRAWING NUMBER :
ABA8207-ABD-01B

Sheet :
3/14

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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)	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
12th FLOOR, MENARA IMP SDN, 50250 JALAN P. RAMLEE, KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PAU 3/2, TAMAN PUNCAK JAYA, BANGSAR PUTRA, PERAK
43200 SERI KEMBANGAN, SELANGOR
TEL : +603 9088 9083
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

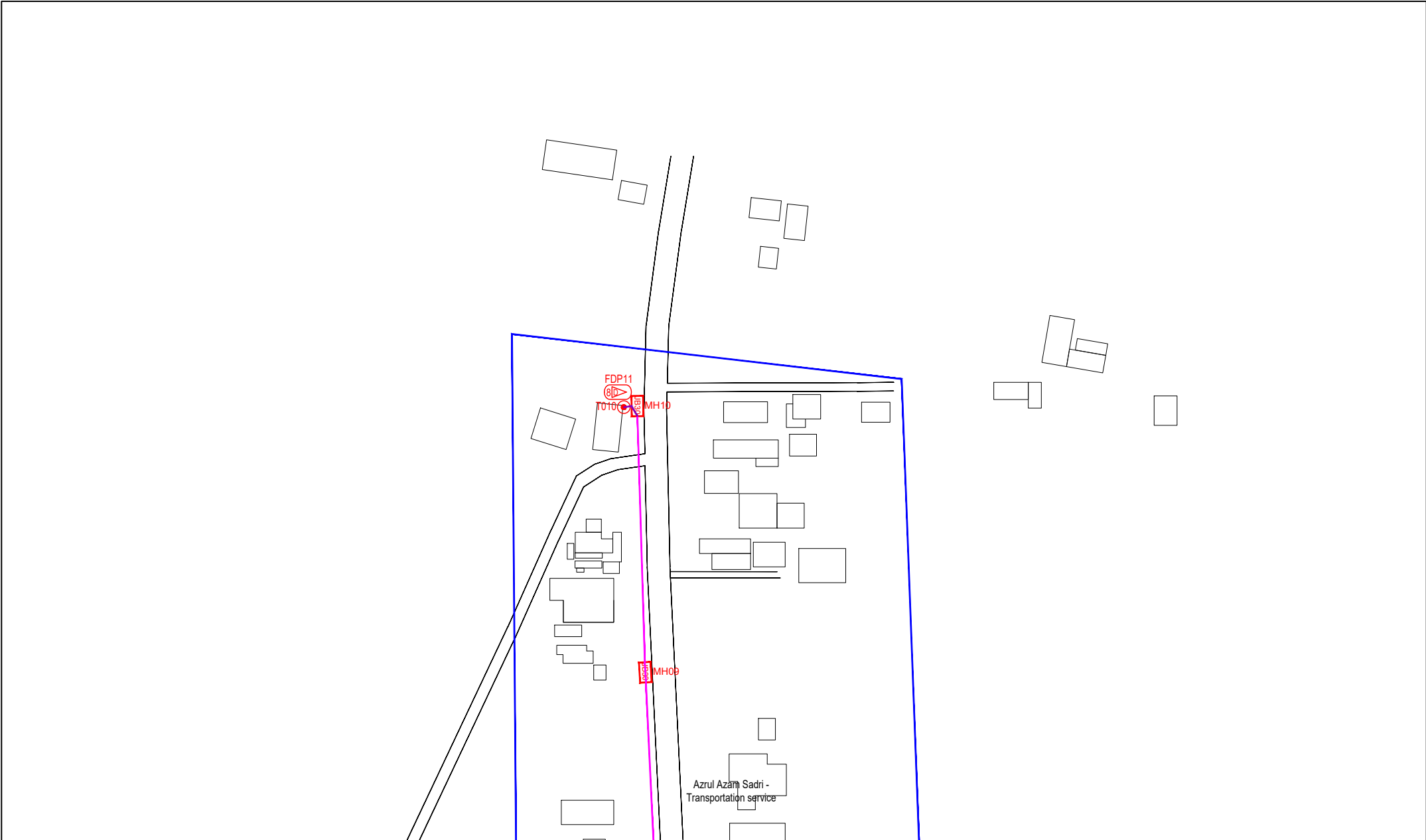
Checked By : ENGINEER
Job Number : 1

DRAWING NUMBER :
ABA8207-ABD-01C

Sheet :
4/14

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Size :
A3



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.		
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)	S	Suspension	UB30	New Manhole (PIT)	29	Micro-Trenching (Meter)		
24C FOC	Installed Patch Cord		Installed Pole (7.5M)	37	T	Tension	UB7	New Manhole(JRC7)	TKS-1	Existing TNB Pole NO.	
48C FOC	508S FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		P001	New Pole NO.	
96C FOC	Closure	2	Existing TNB Pole		FDP with (1:8) splitter	15	HDD (Meter)	4389	#	CL01	Closure NO.
144C FOC	Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		CO1	DP1	FDP NO.

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

APEX COMMUNICATIONS SDN BHD
128, FLOOR, MENARA INAP 30/06,
50250 JALAN P. RAJALE,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/3, TAMAN PUNCAK JAL,
BANDAR PUTRA PERIMA,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 898 3983
E-MAIL : info@wcwlcommunications.com.my

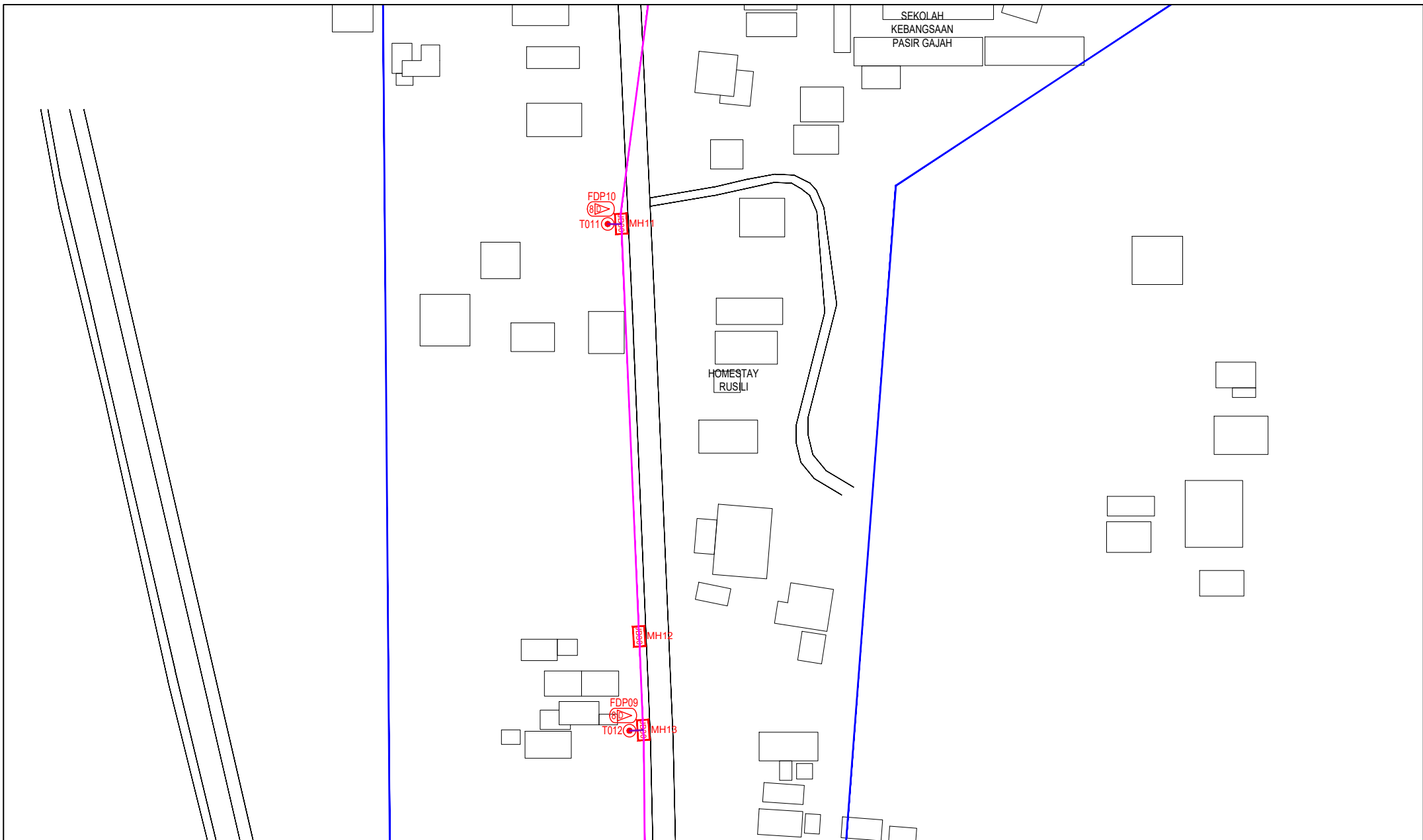
PROJECT TITLE :

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	




LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	s	Suspension	BE30	New Manhole (PIT)	29	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	37	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	15	HDD (Meter)	4389	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
1281 FELD, BEKAWAN (IMP) ZONE,
50250 ALUAN P. RAJELZ
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUJ 3/3, TAMAN PUNCAK JAL,
BANDAR PUTRA PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9588 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
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER
Date : DEC 2024

Drawn By : CAD ENGINEER
Scale : NOT TO SCALE

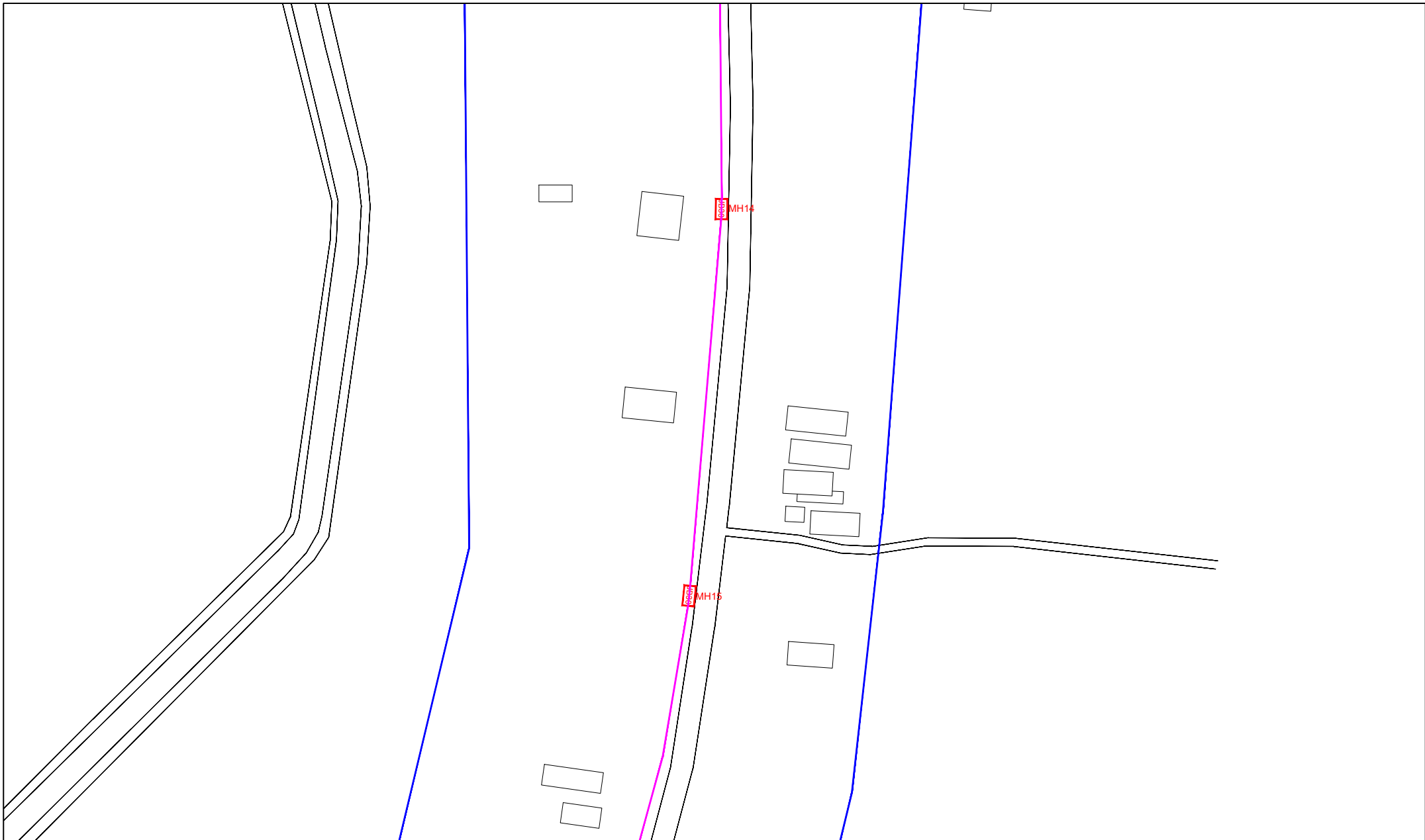
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Job Number : 1

DRAWING NUMBER :
ABAB207-ABD-01E

Sheet :
6/14

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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	29	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.	
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	29	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.	
48C FOC	FDC	Installed Pole (6.7M)	Pole Ring	15	FDP Boundary	Loop / Coil (Meter)	P001	New Pole NO.	
96C FOC	Closure	Existing TNB Pole	FDP with (1:8) splitter	15	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 SENANG,
50250, JALAN P. PINANG,
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 2988 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

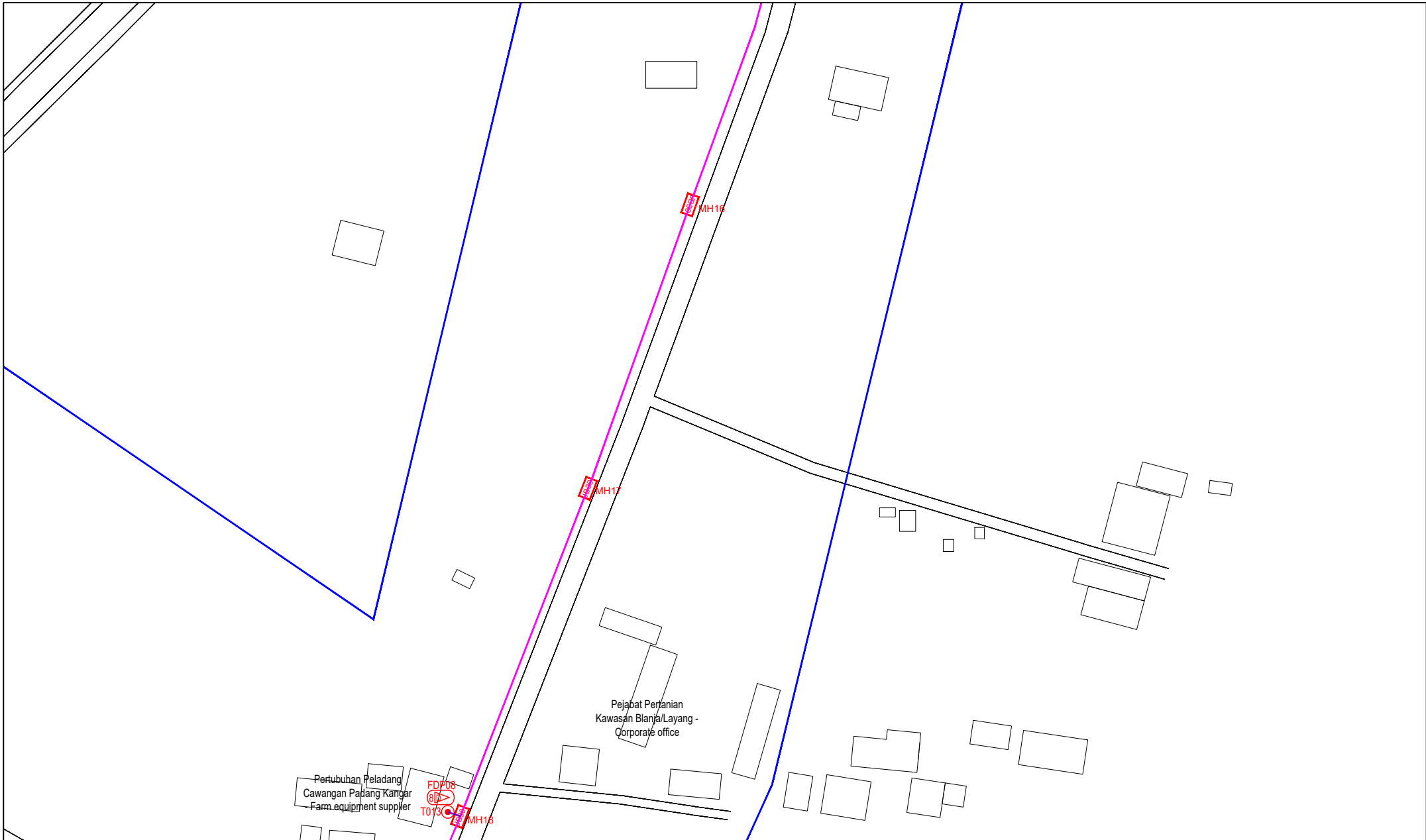
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DRAWING NUMBER :
ABA8207-ABD-01F

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Sheet :
7/14

Size :
A3



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	EB30	New Manhole (PIT)	29	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	EB7	New Manhole(JRC7)		Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC	508S 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	15	HDD (Meter)	4389	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 IHP SENANG,
50200 JALAN P. RAMLEE,
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PAU 3/3, TAMAN PUNCAK JALIL,
BANDAR PUTRA PERANG,
43200 SERI KEMBANGAN, SELANGOR
TEL : +603 8988 5053
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
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER Date : DEC 2024

Drawn By : CAD ENGINEER Scale : NOT TO SCALE

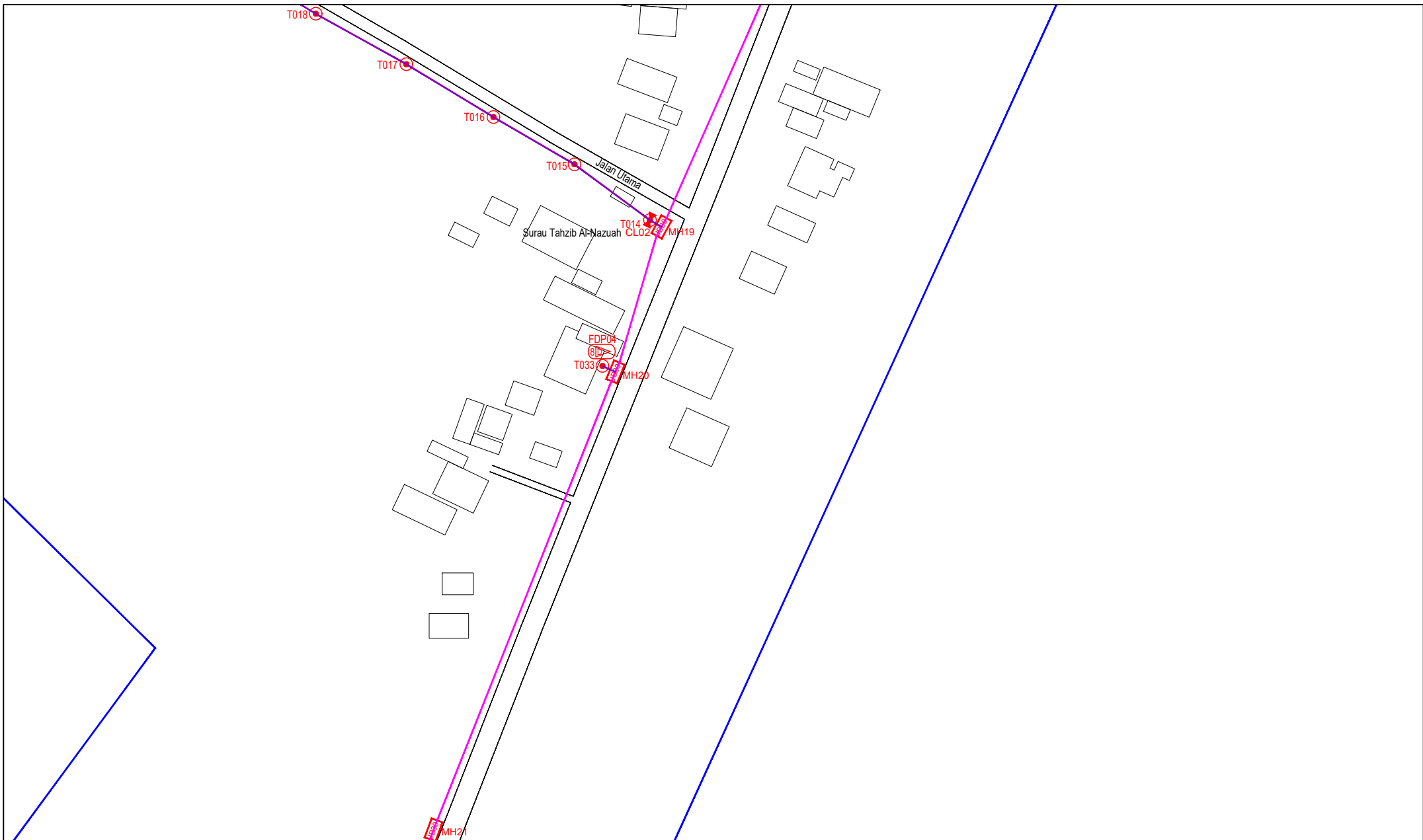
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DRAWING NUMBER :
ABAB207-ABD-01G

Sheet :
8/14

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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	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	15	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 IMP SENG,
52000 JALAN P. RAMLEE
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 9588 5953
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

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

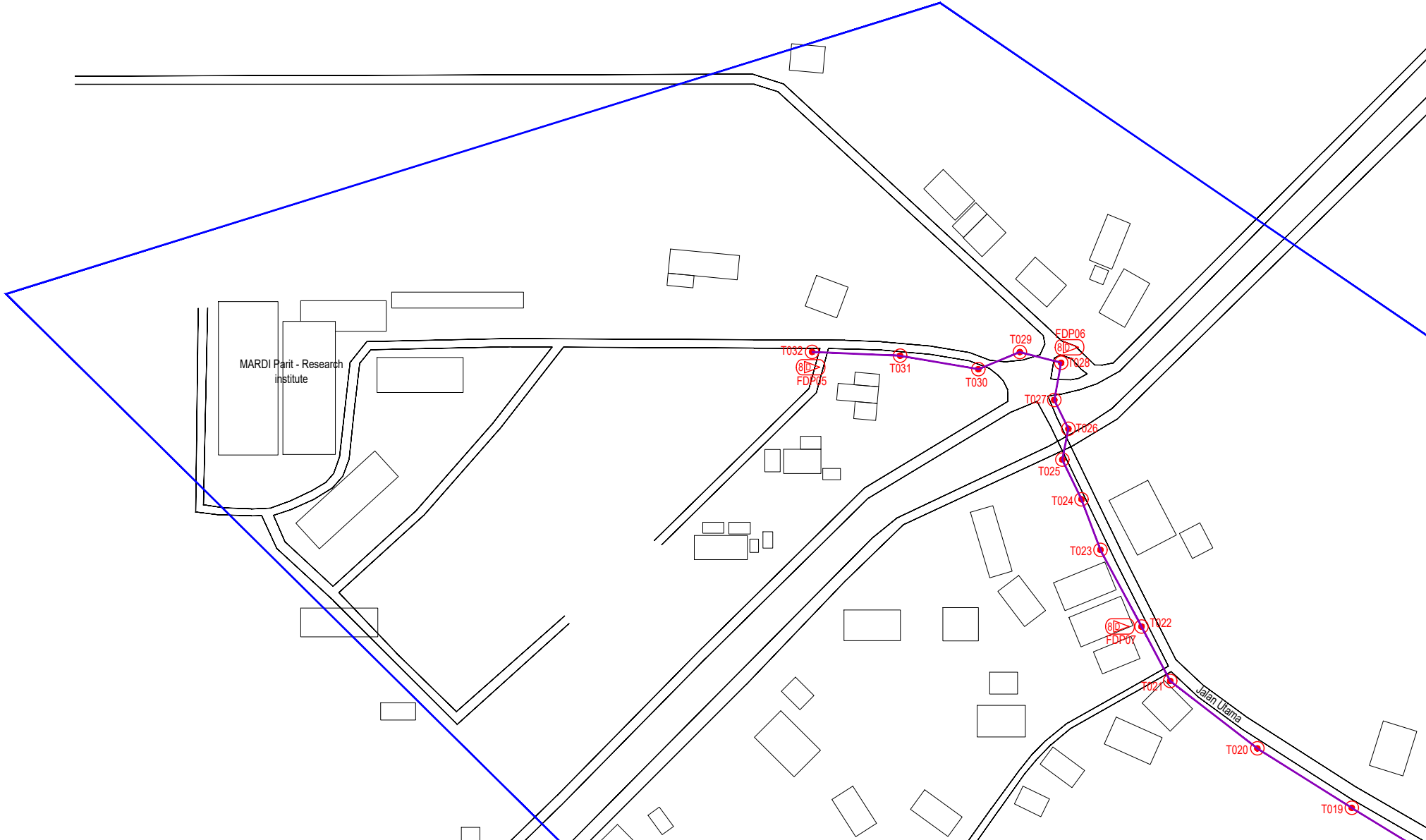
DRAWING TITLE:

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	MS30	New Manhole (PIT)	29	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	15	HDD (Meter)	4389	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
1208, FLOOR, MENARA MAP SENANG,
50200 JALAN P. RAJALE,
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PAU 3/3, TAMAN PANGKAL JAL,
BANDAR PUTRA PERANG,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 2908 5983
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

Drawn By : ENGINEER
Date : DEC 2024

Checked By : CAD ENGINEER
Scale : NOT TO SCALE

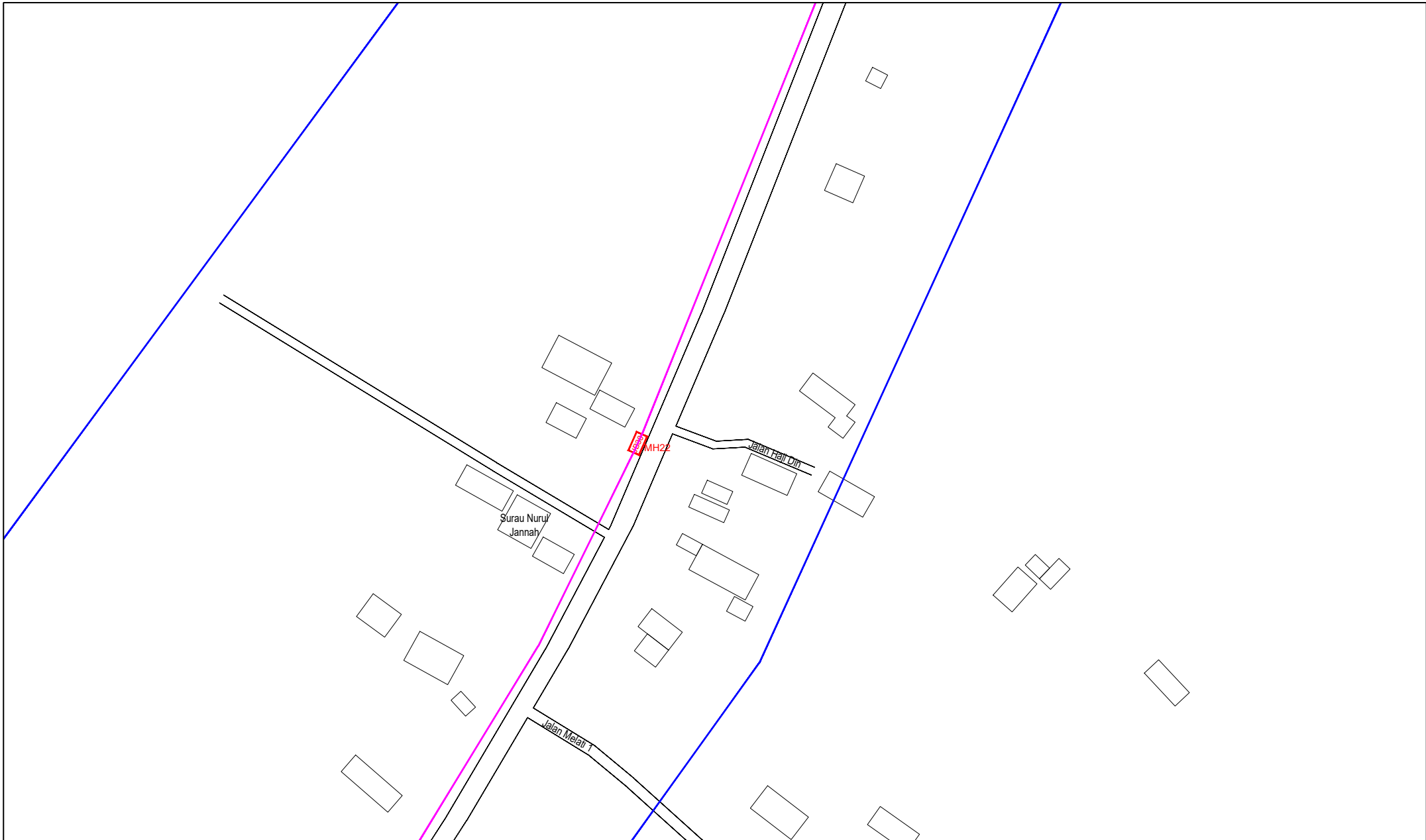
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DRAWING NUMBER :
ABAB207-ABD-11

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Sheet : 10/14

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)	37	Suspension		New Manhole (PIT)	29	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	5085	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)	4389	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, MEDIAN HAP SEMB.
51200 JALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/2, TAMAN PUNCAK JALIL,
BANGKAS PUTEA, PERAK
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 8988 0963
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
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-1J	Sheet : 11/14
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Size : A3	

Design By : ENGINEER

Date : DEC 2024

Drawn By : CAD ENGINEER

Scale : NOT TO SCALE

Checked By : ENGINEER

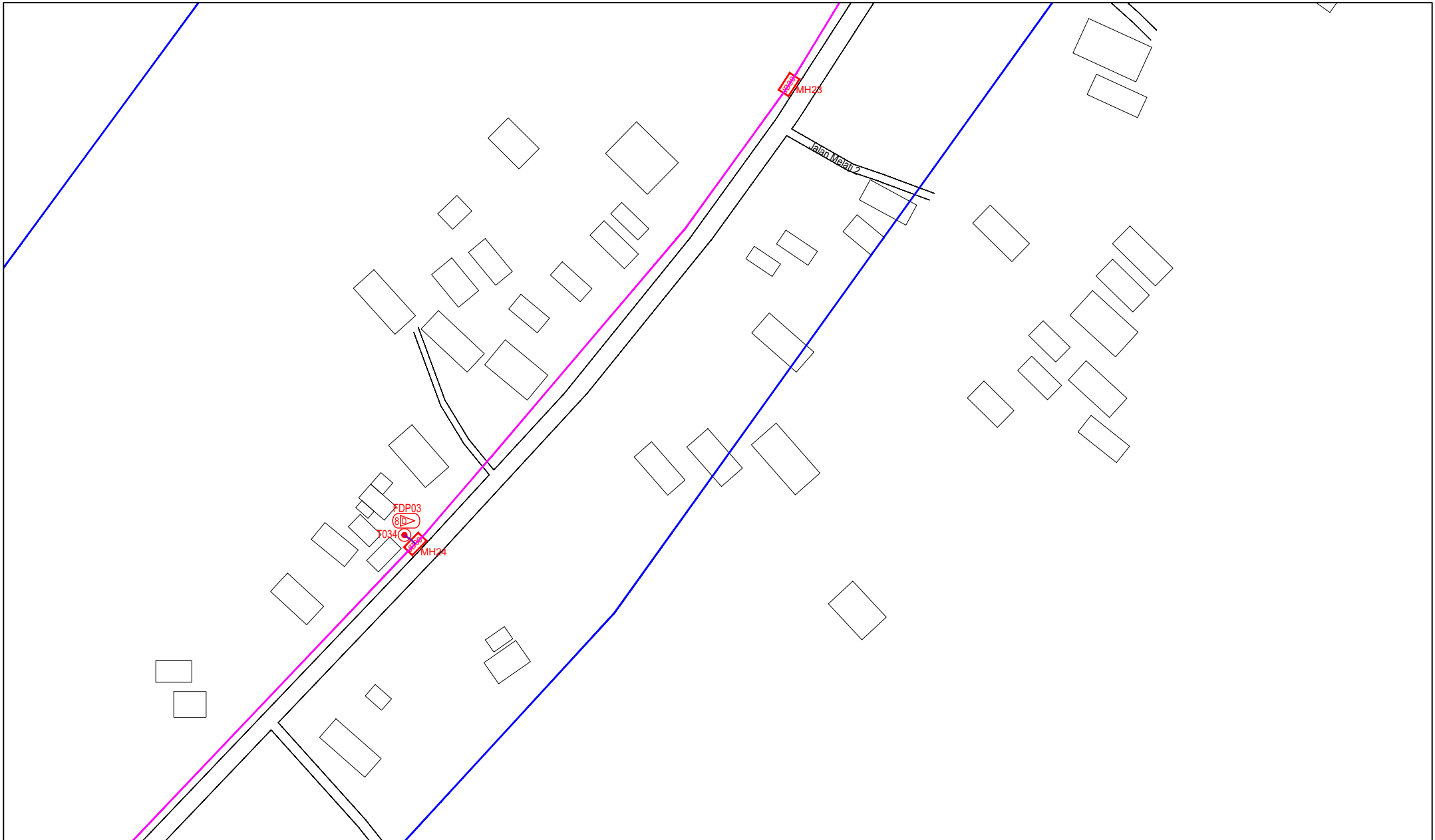
Job Number : 1

DRAWING NUMBER :
ABAB207-ABD-1J

Sheet :
11/14

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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	29	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.	
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	37	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	15	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 IMP SEMBANG
25200, JALAN P. PANJALE
KUALA LUMPUR

MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PUJ 3/3, TAMAN PUNCAK JALIL,
BANGSAR PUTRA, PERAK
43200 SERI KEMBANGAN, SELANGOR
TEL: +603 9588 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
ABAB207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
POP 2

Design By : ENGINEER	Date : DEC 2024
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DRAWING NUMBER : ABAB207-ABD-1K	Sheet : 12/14
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Design By : ENGINEER

Date : DEC 2024

Drawn By : CAD ENGINEER

Scale : NOT TO SCALE

Checked By : ENGINEER

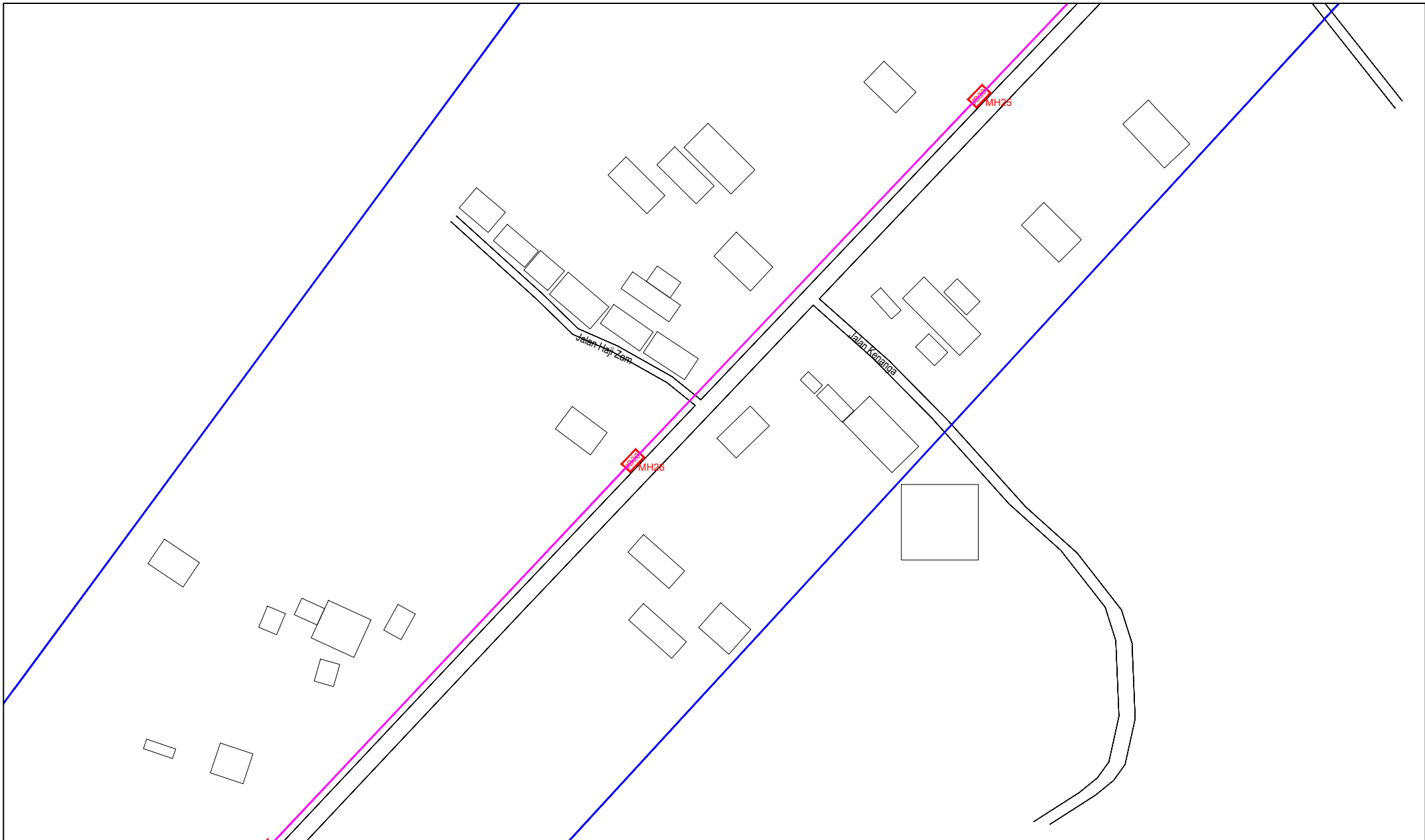
Job Number : 1

DRAWING NUMBER :
ABAB207-ABD-1K

Sheet :
12/14

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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	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	508S 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	15	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, MIDWATER HRP SDN BHD,
52250 JALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/5, TAMAN PUNCAK JALIL,
BANDAR PUTERI PERAI,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9088 5063
E-MAIL: info@wcwcommunications.com.my

PROJECT TITLE :

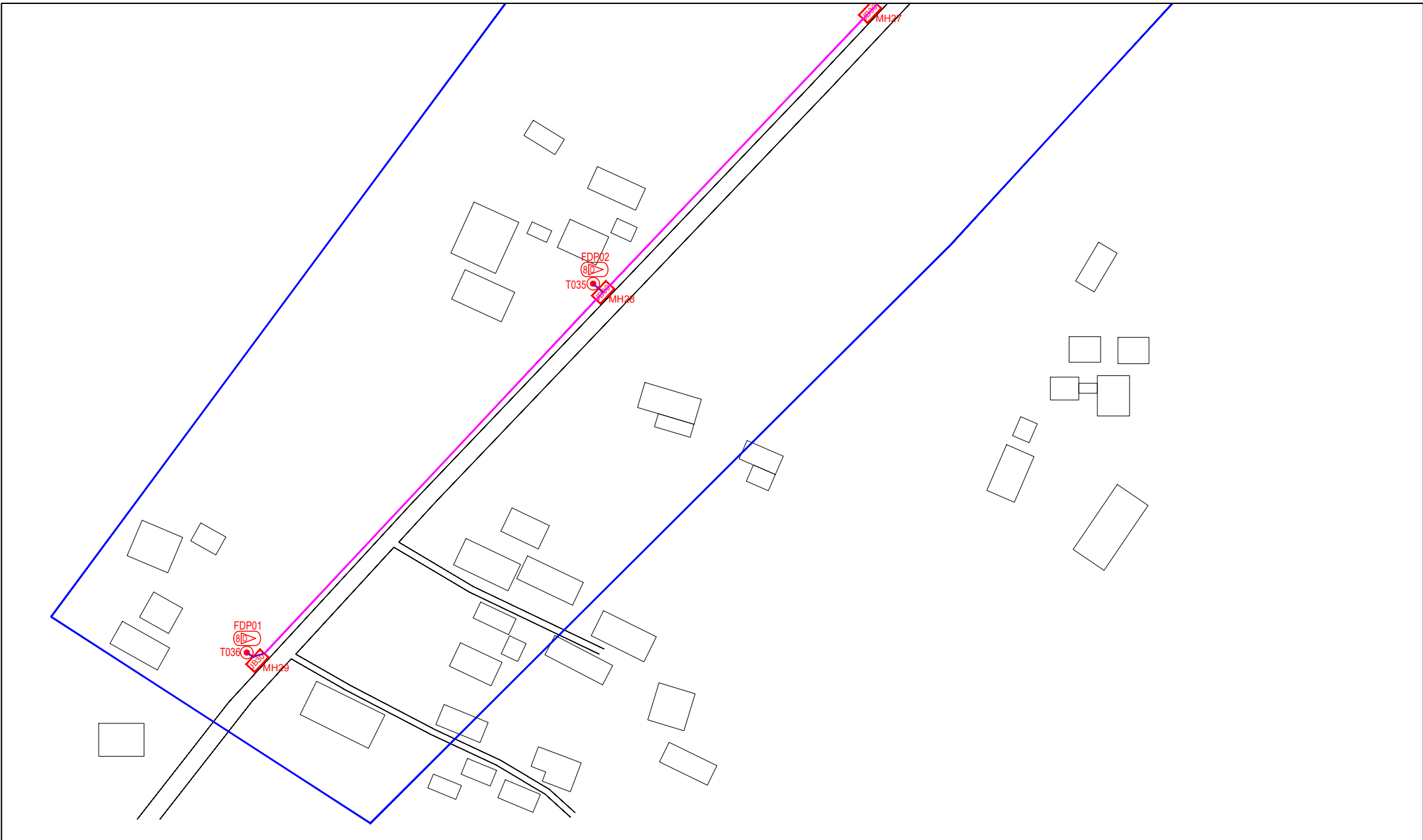
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
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
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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)	29	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	15	HDD (Meter)	4389	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 SENG,
50250 JALAN P. RAMLEE
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PULU 3/2, TAMAN PUNCAK JAYA,
PUNCAK PUTRA, PERAK
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9588 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
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