

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 | 32 |
| 3 | Joint Closure | EA | 2 |
| 4 | Estimated time required for completion | days | 30 |



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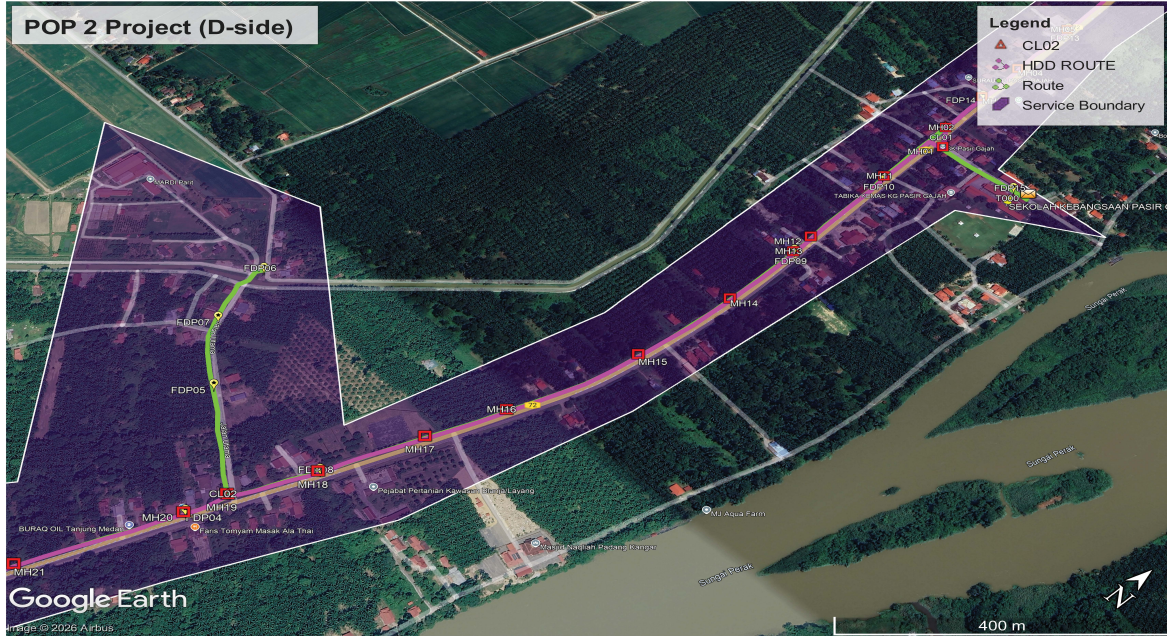
Local Authority Summary

1. Daerah Perak Tengah

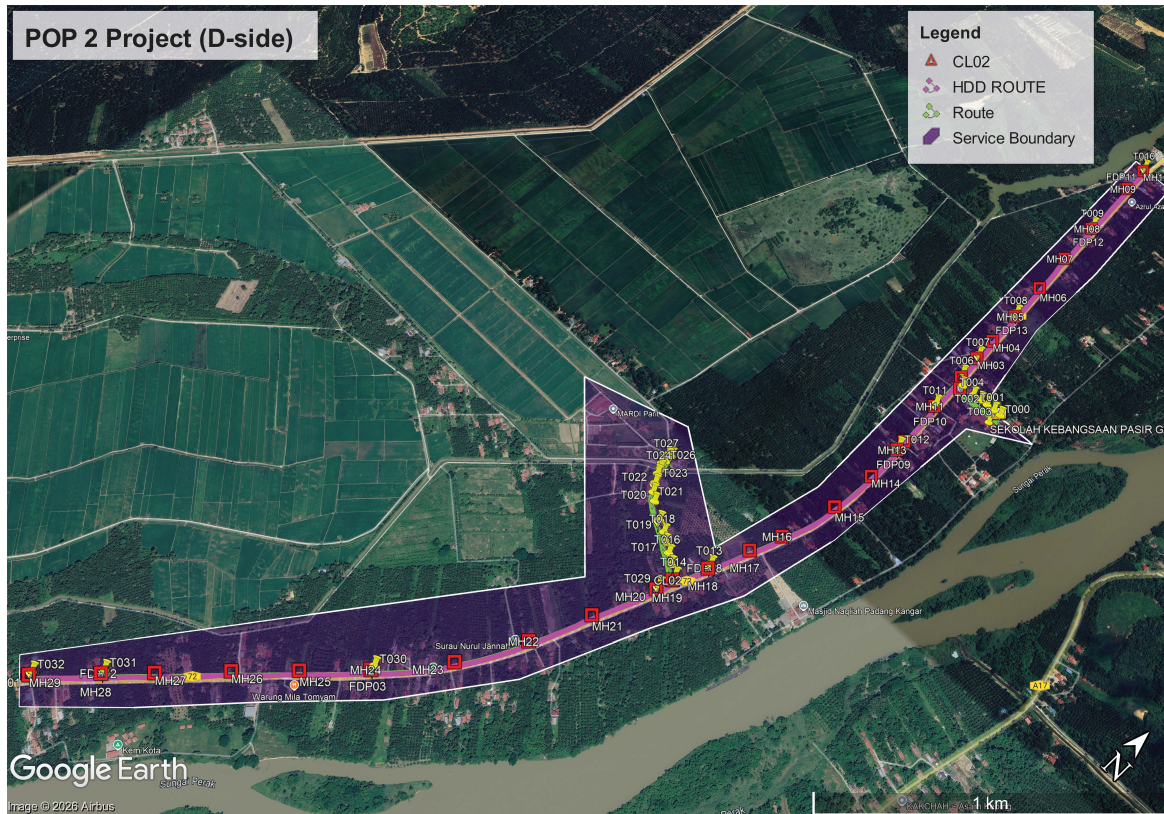
| Bil | Items | Owner | Quantity | Distance(m) |
|-------|-------------------|-----------------------|----------|-------------|
| 1 | HDD | JKR | 28 | 4358m |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| 2 | New Pole | JKR | 12pcs | |
| | | Majlis / PDT | 21pcs | 589m |
| | | Estate / Private Land | - | - |
| 3 | Existing TNB Pole | JKR | - | - |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| Total | | | | 4947m |

Site Plan – KMZ (Overview site area)

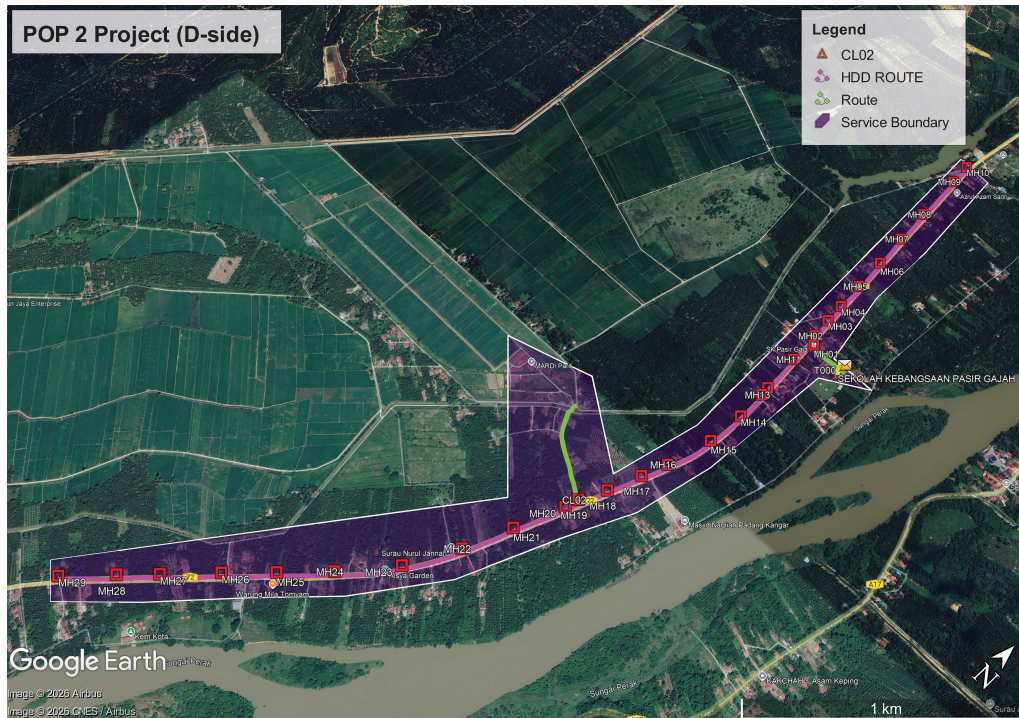
Proposed FDP and Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)

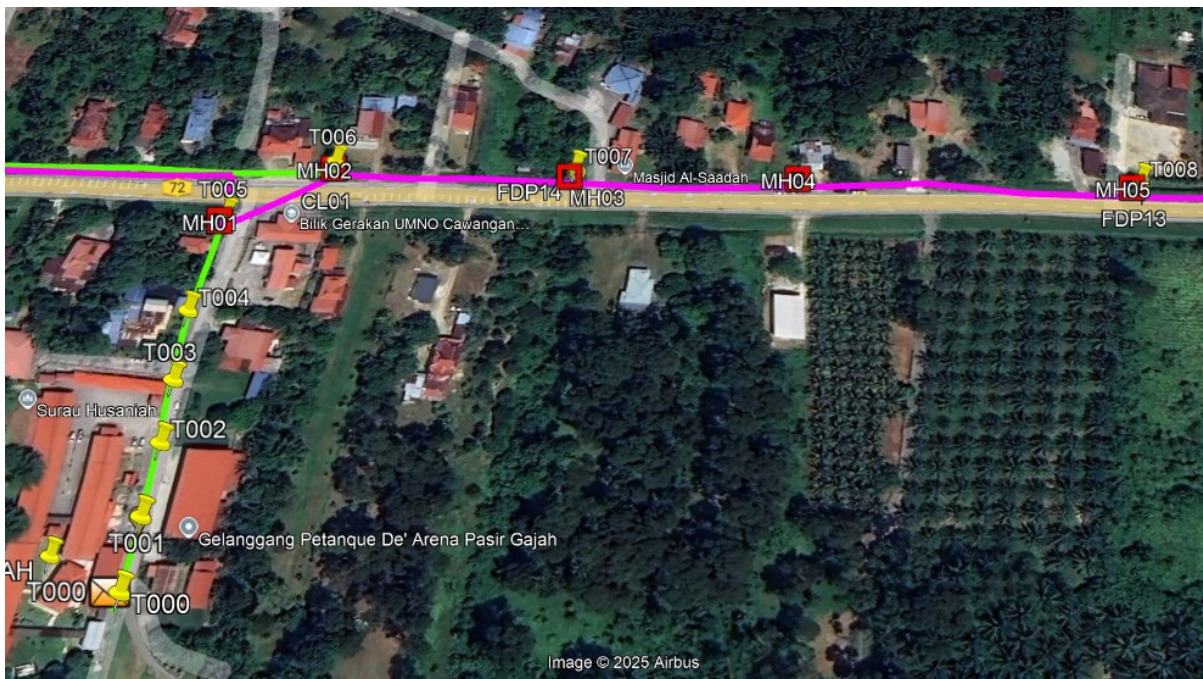
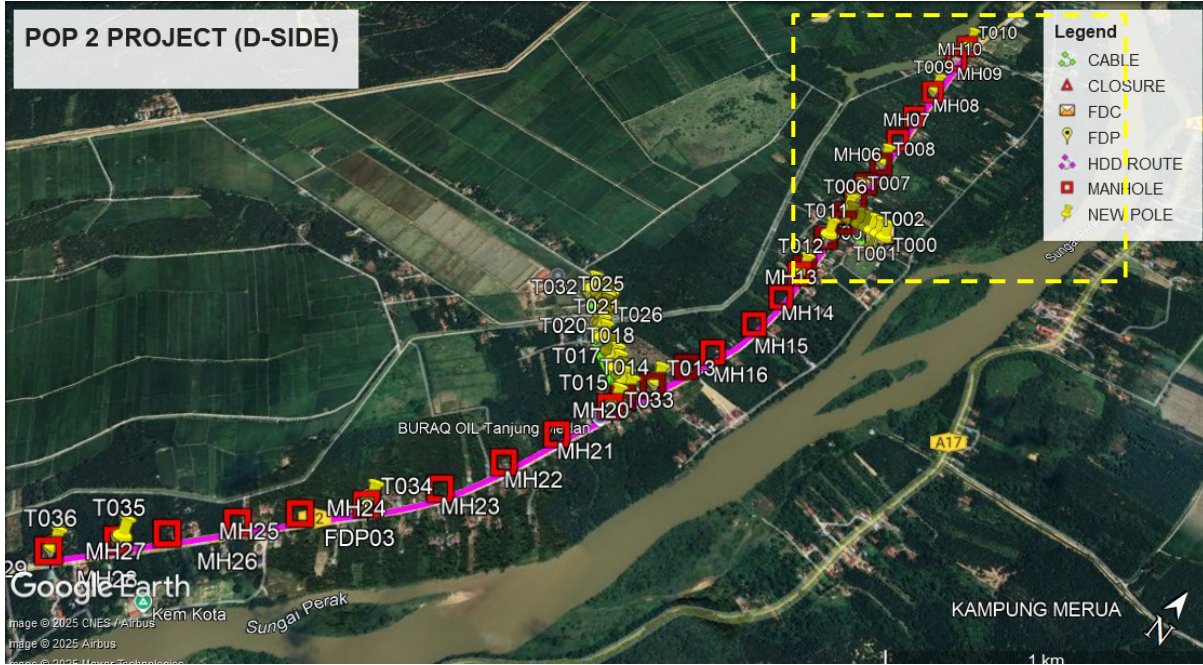


Red – JKR Perak

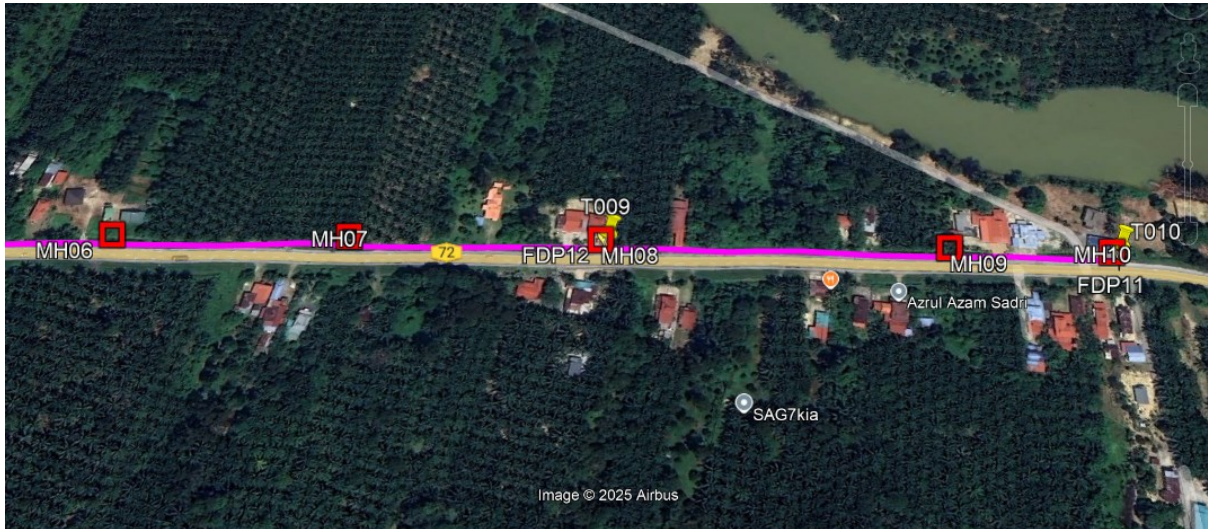
Green - Pejabat Tanah & Daerah

Site Plan – KMZ Routing (All site area)

Route 1

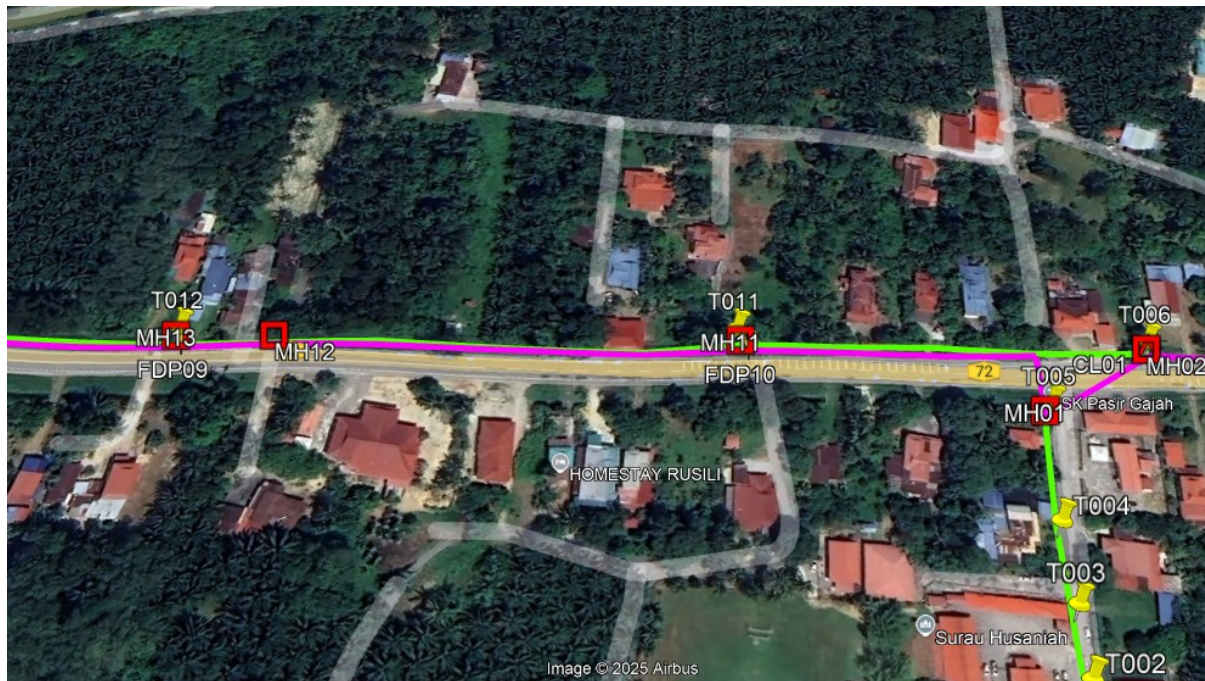
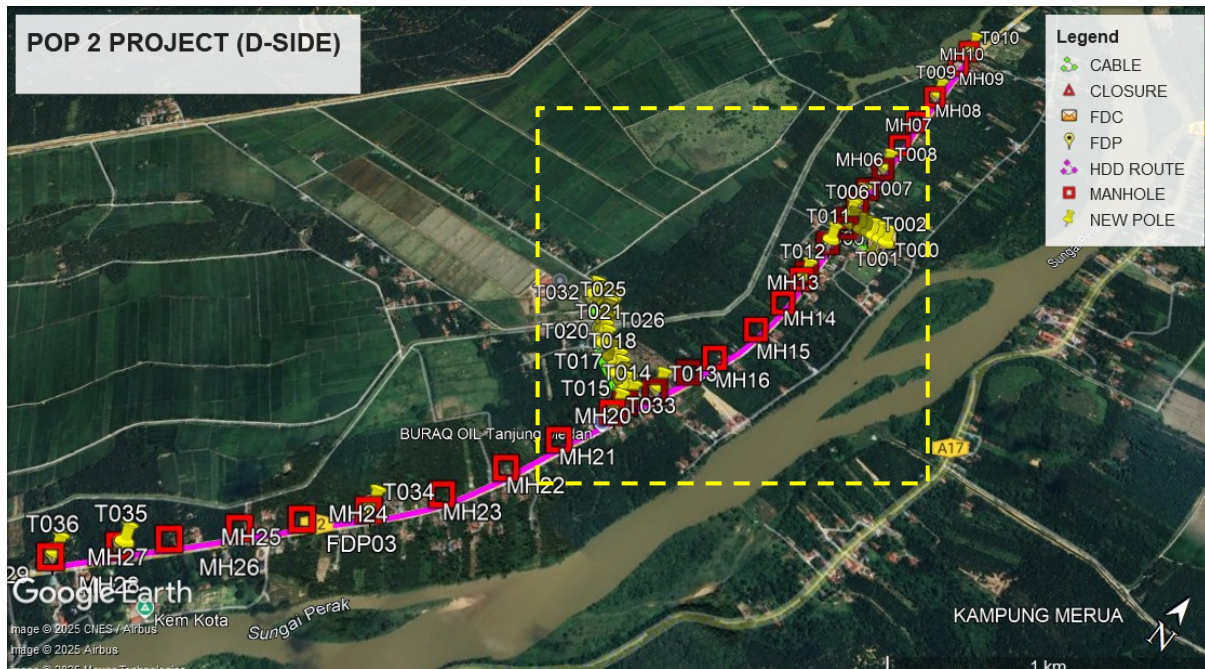


Route 1.1

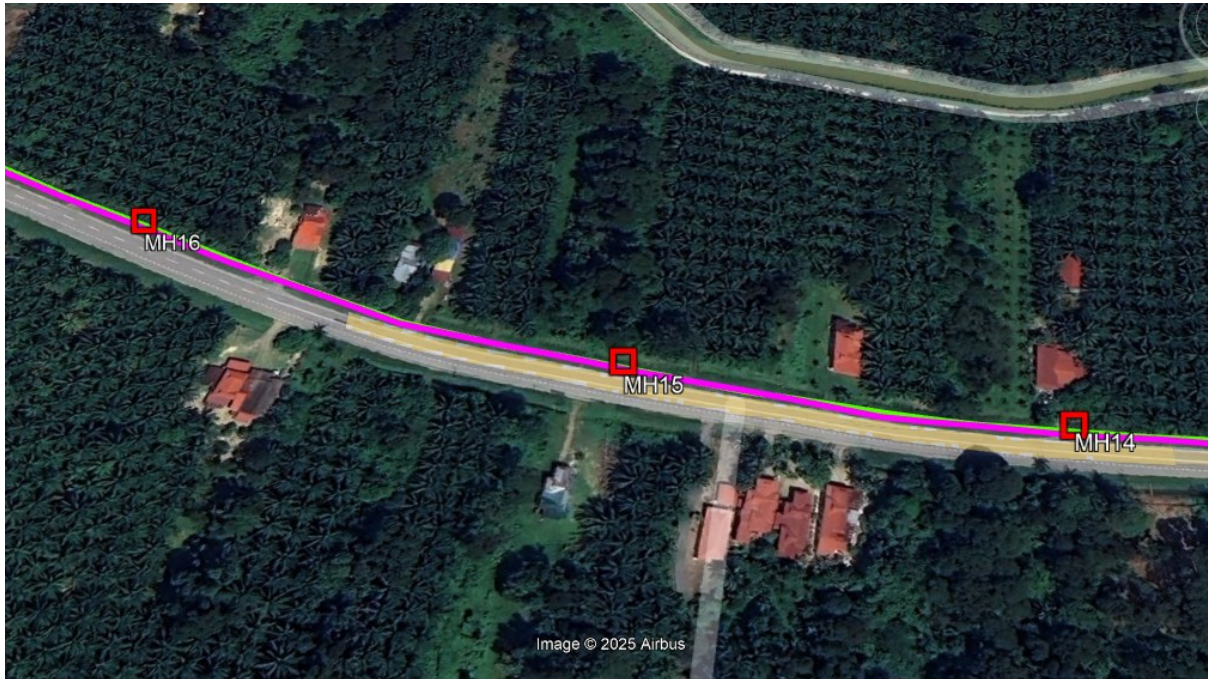


Route 1.2

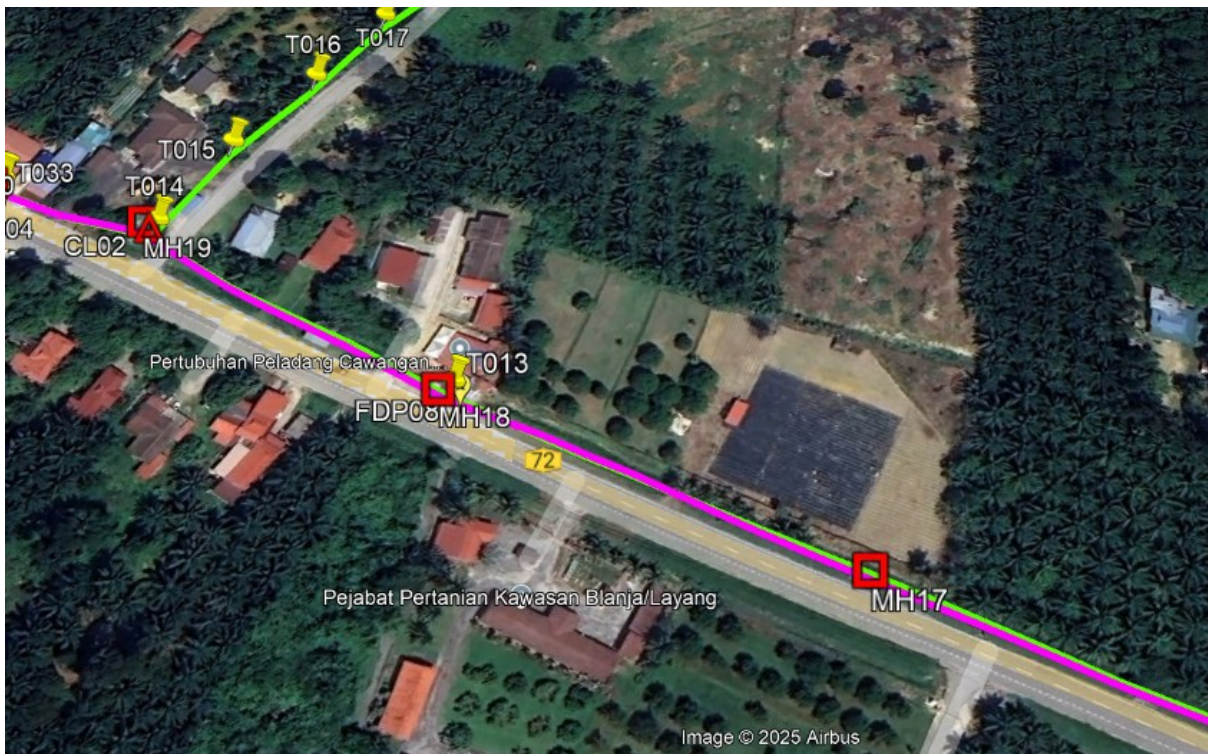
Route 2



Route 2.1

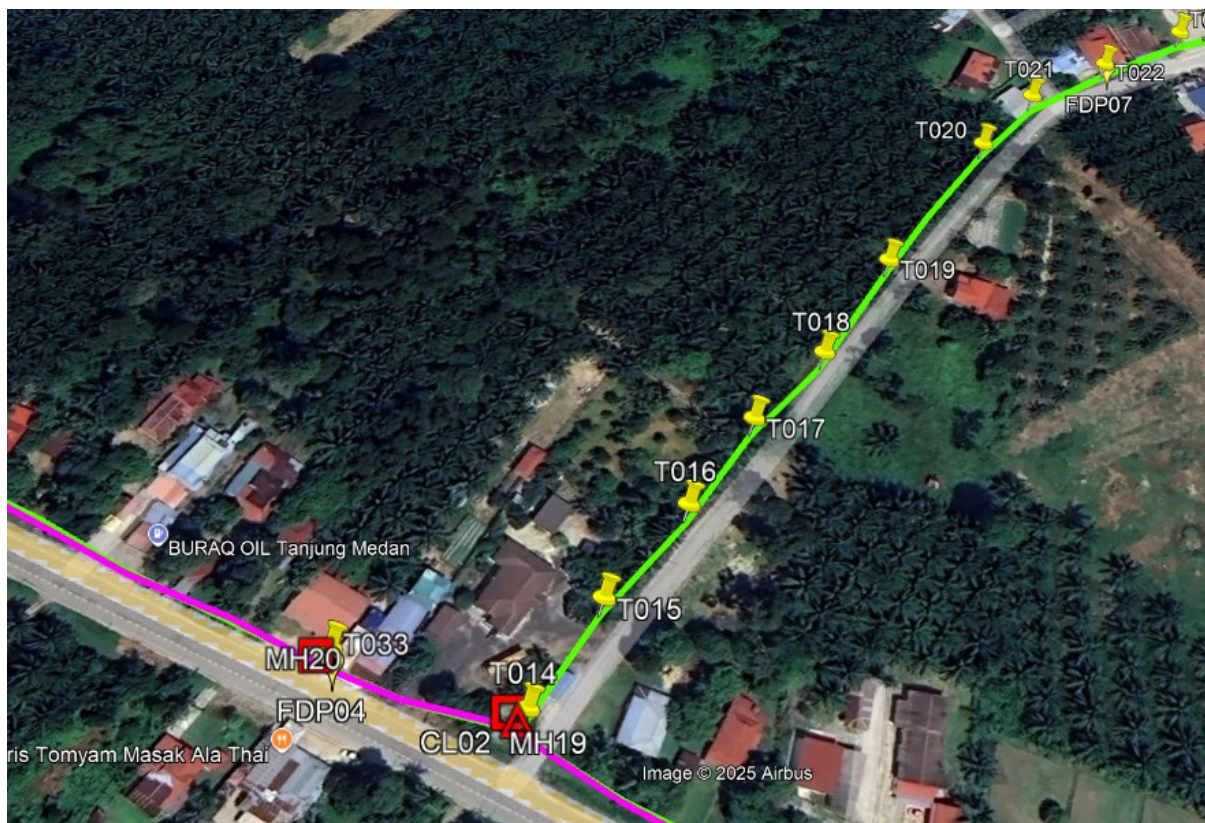
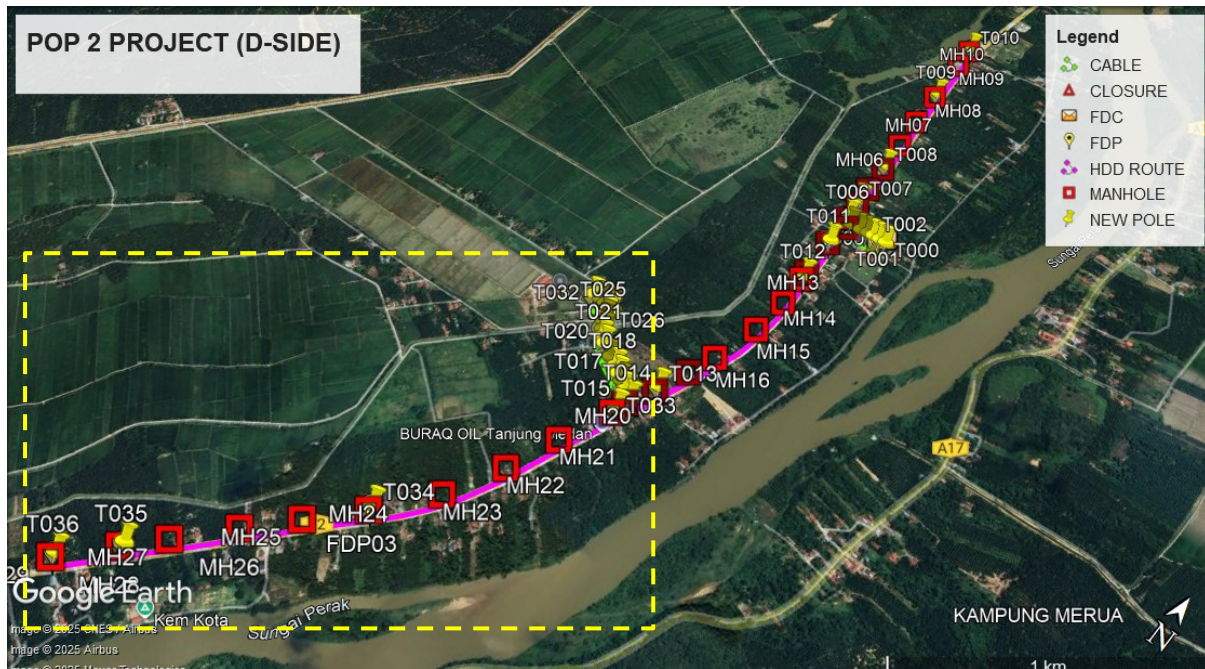


Route 2.2

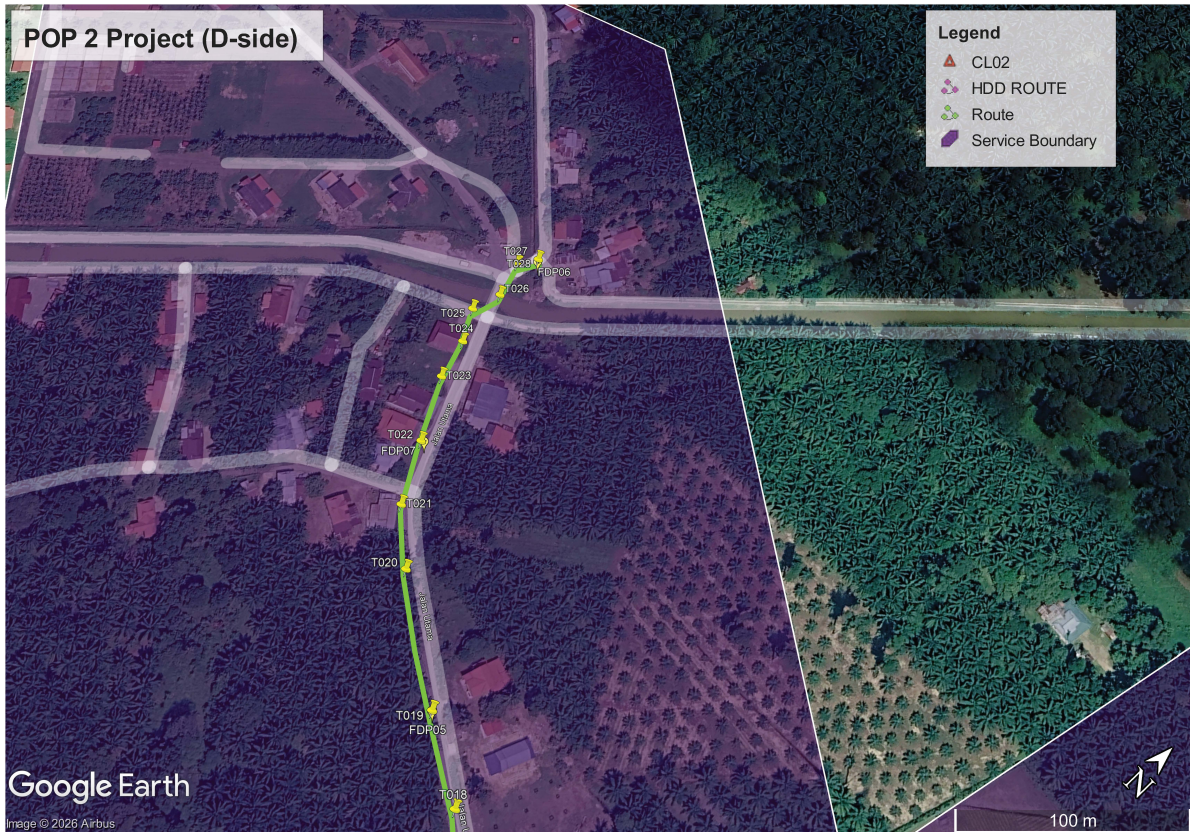


Route 2.3

Route 3



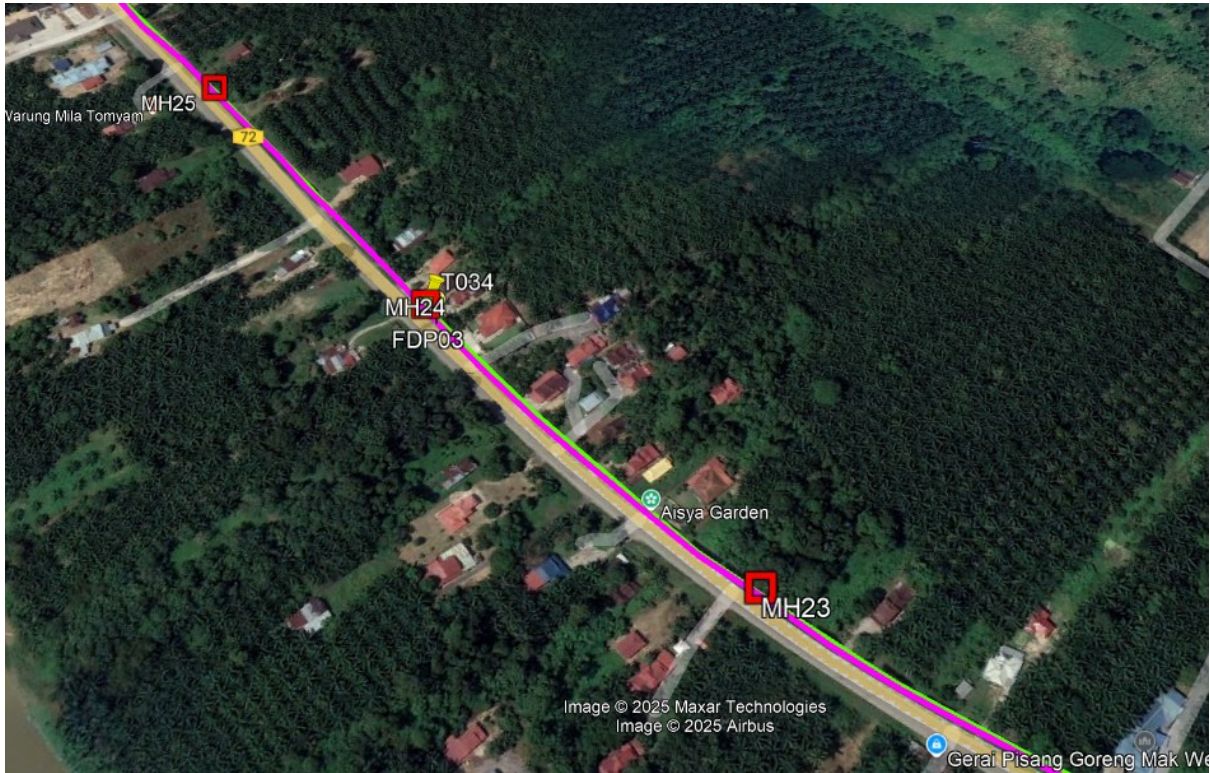
Route 3.1



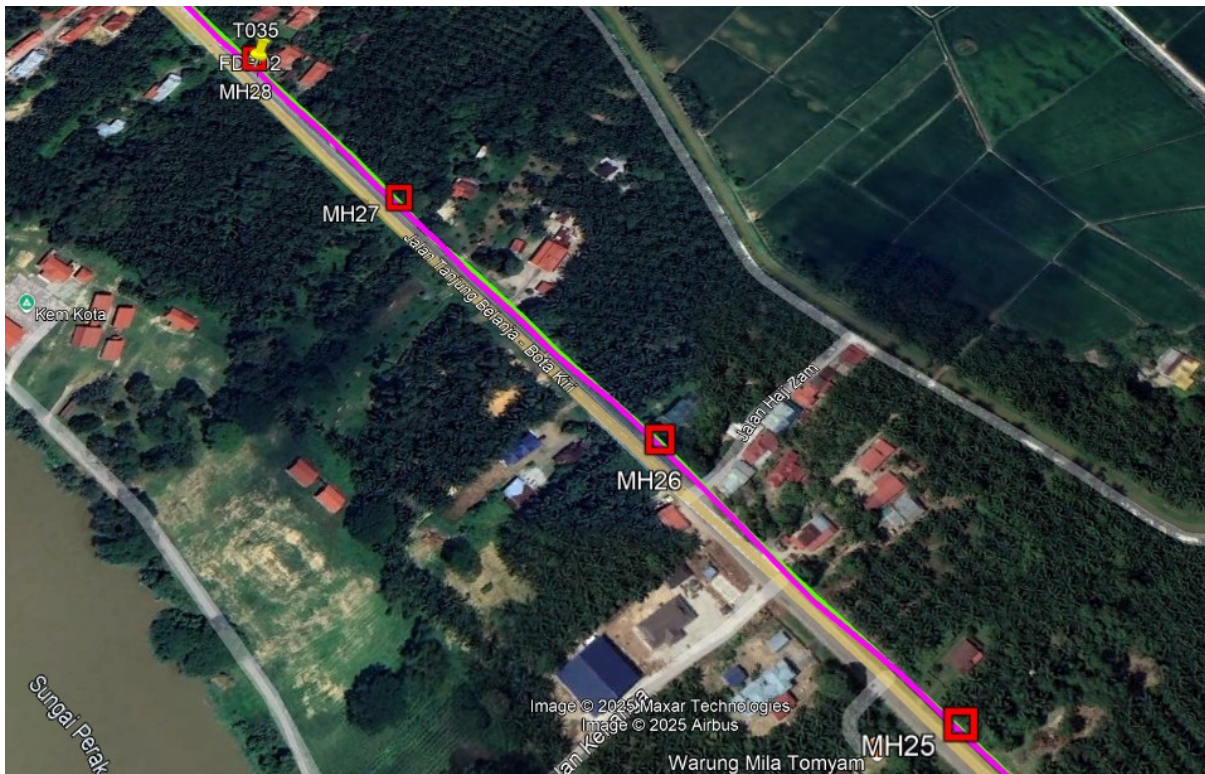
Route 3.2



Route 3.3



Route 3.4



Route 3.5

Site Plan – KMZ Routing (Prop New Manhole)

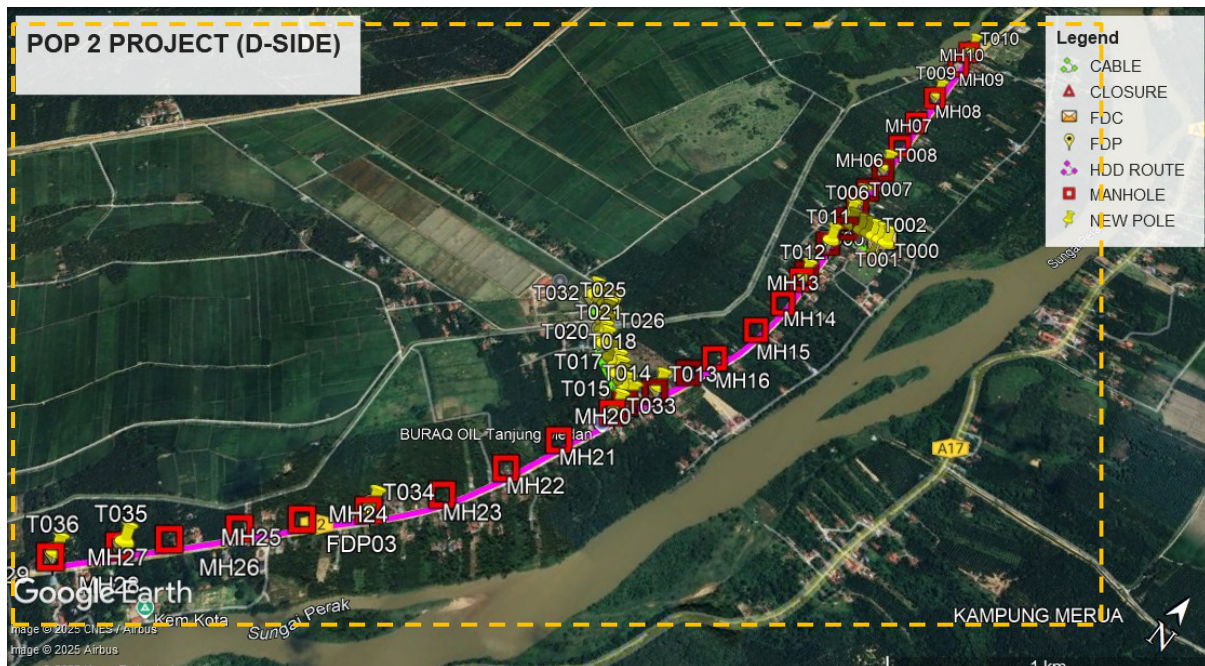


Figure 1: Location 1 (MH1-4.443306,100.898520) (MH2- 4.443665, 100.898272)

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

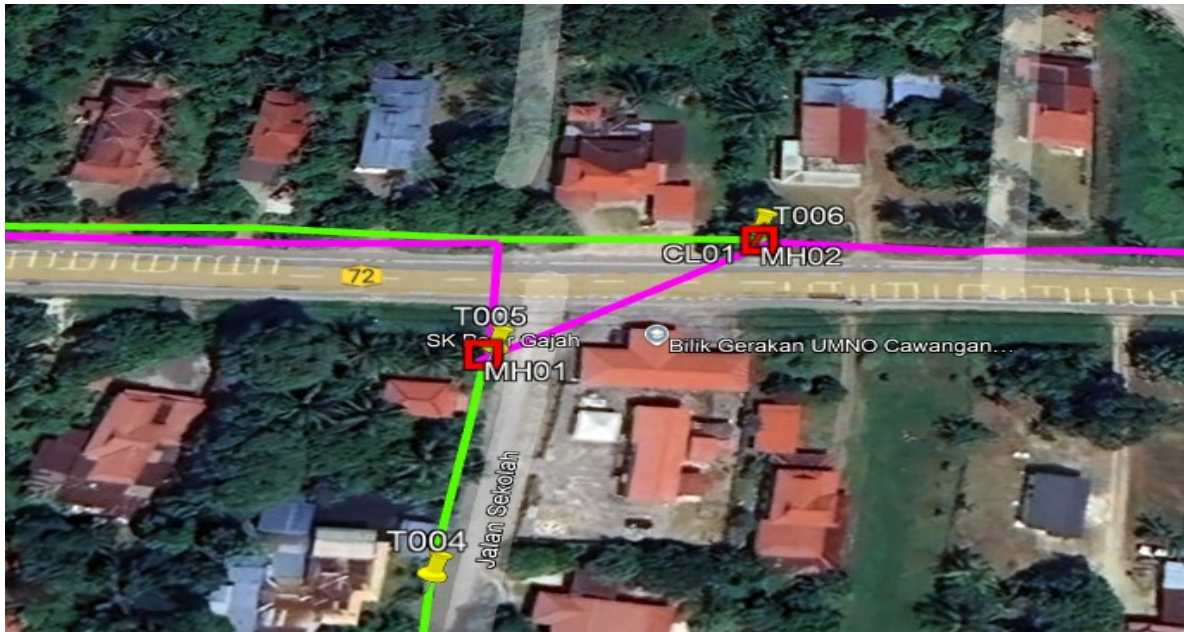


Figure 2: Location 1 (MH1- 4.443306, 100.898520) (MH2- 4.443665, 100.898272)

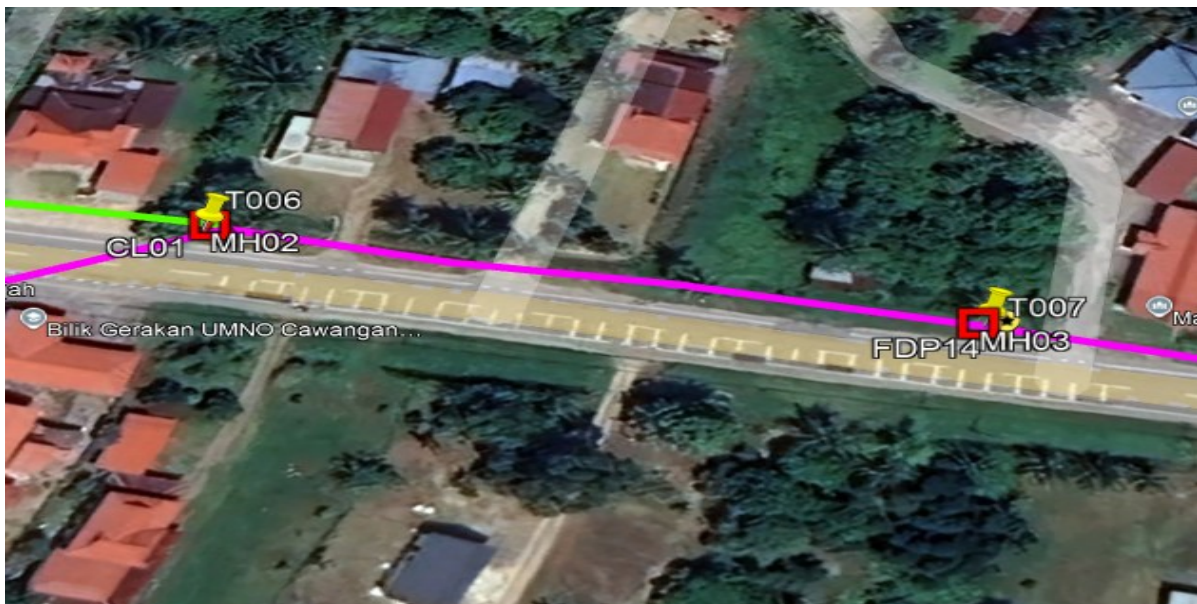
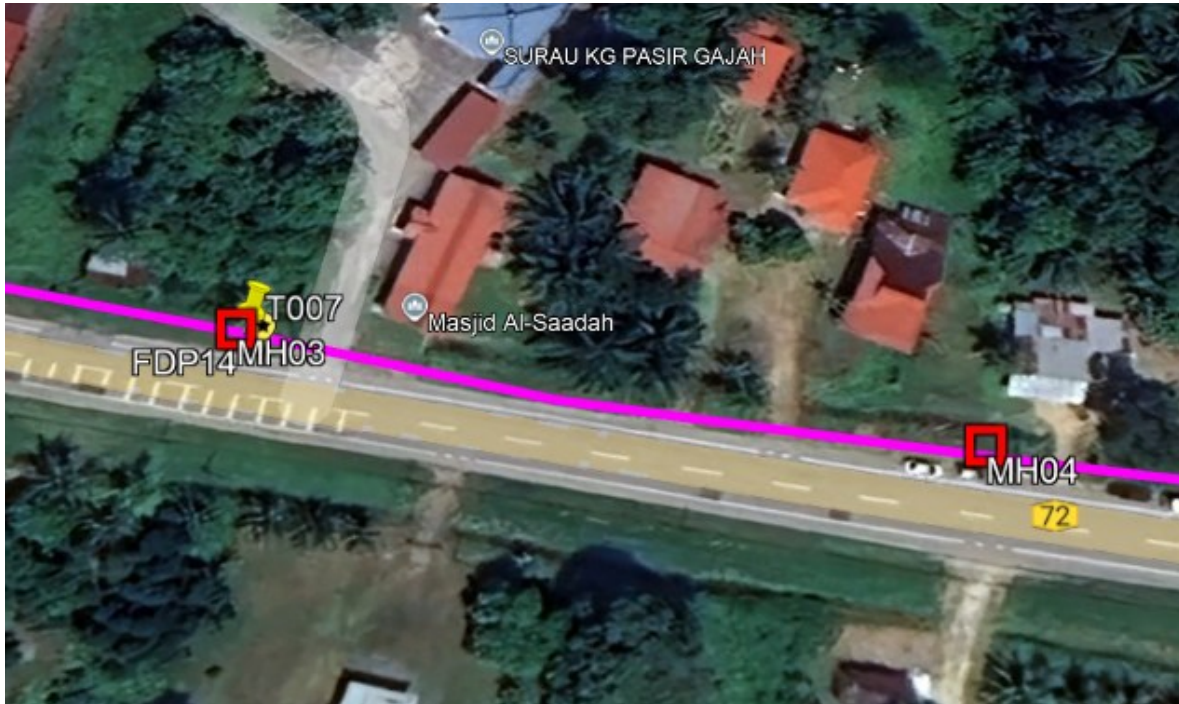


Figure 3: Location 2 (MH2- 4.443665, 100.898272) (MH3- 4.444511, 100.898242)



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



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



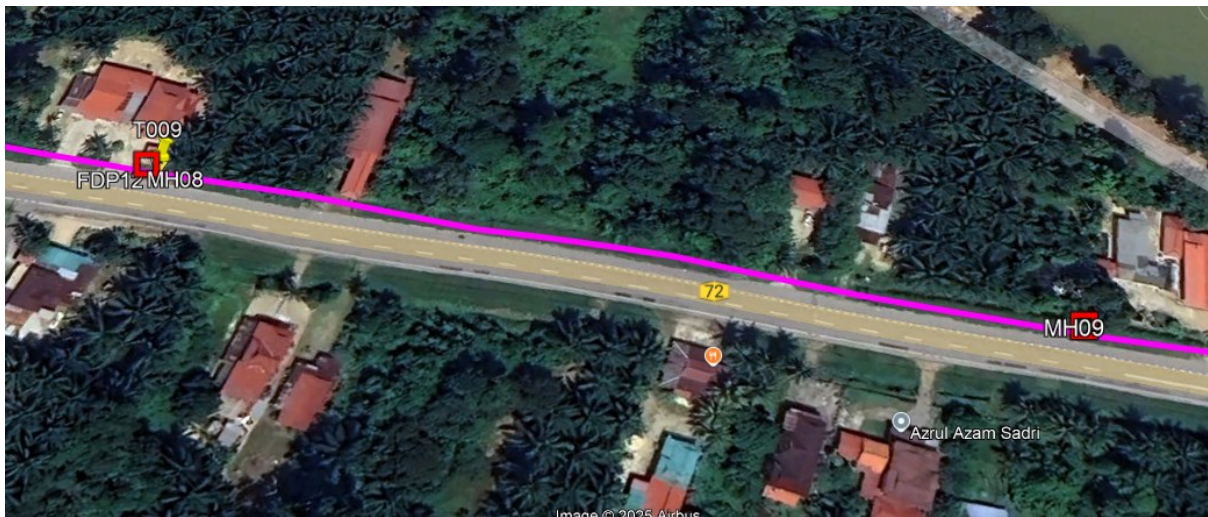
Location 5 (MH5- 4.446526, 100.898161) (MH6- 4.447922, 100.898089)



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)



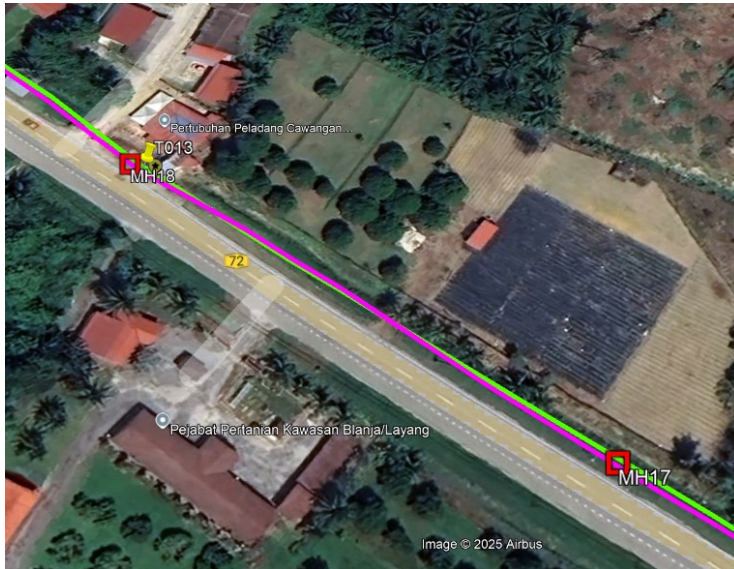
Location 14 (MH14- 4.439214, 100.898432) (MH15- 4.437734, 100.898305)



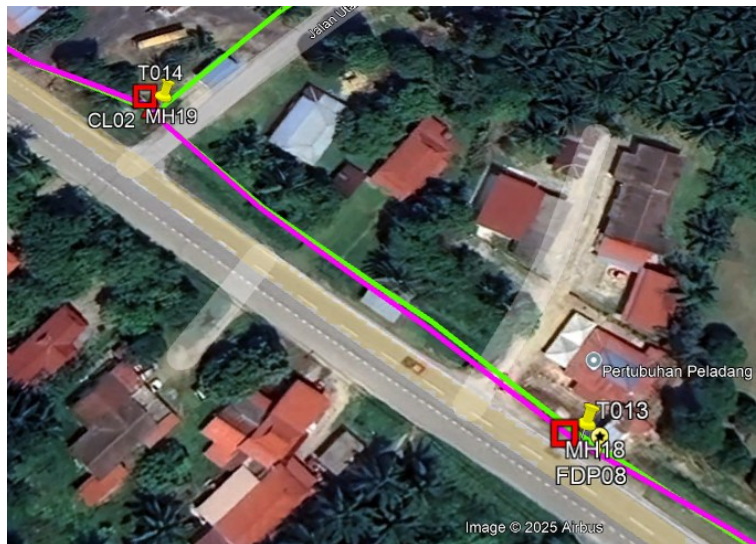
Location 15 (MH15- 4.437734, 100.898305) (MH16- 4.435994, 100.897836)



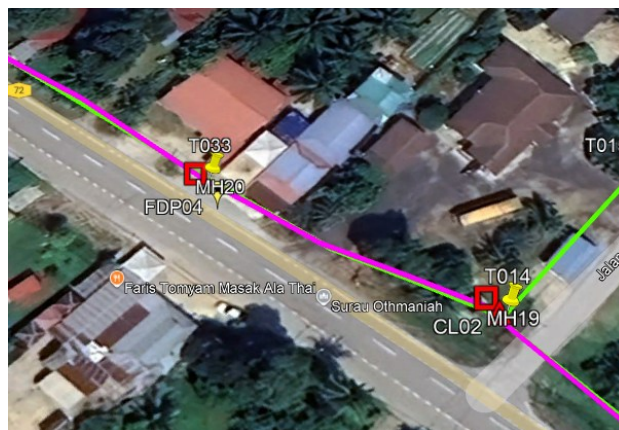
Location 16 (MH16- 4.435994, 100.897836) (MH17- 4.435036, 100.897474)



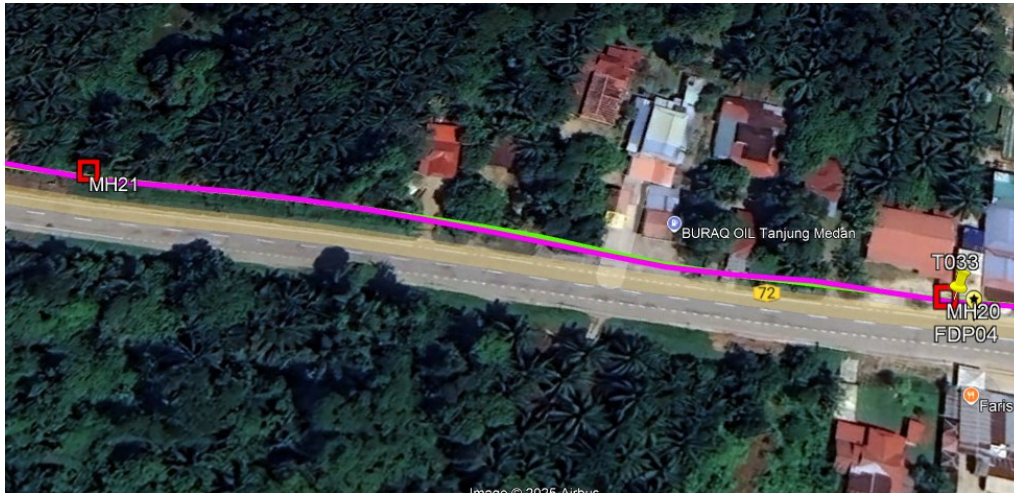
Location 17 (MH17- 4.435036, 100.897474) (MH18- 4.433814, 100.897011)



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



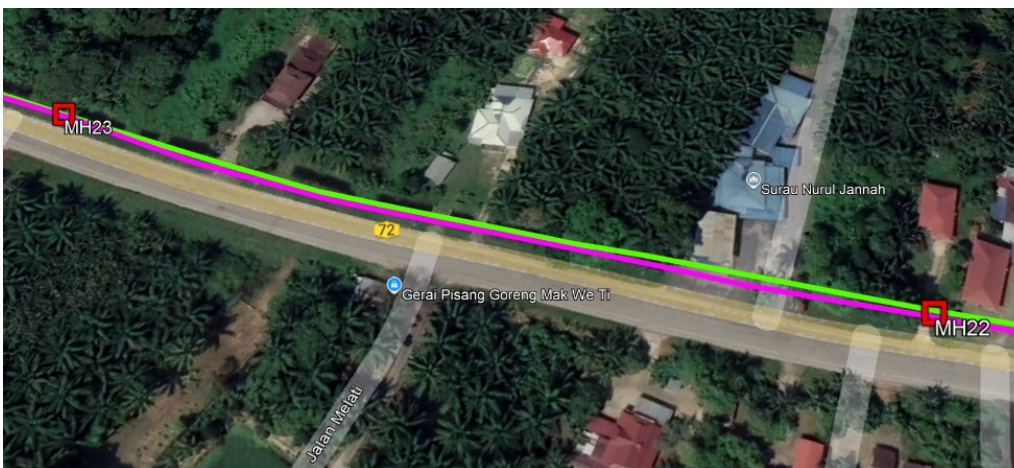
Location 19 (MH19- 4.432857, 100.896529) (MH20- 4.432359, 100.896411)



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



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



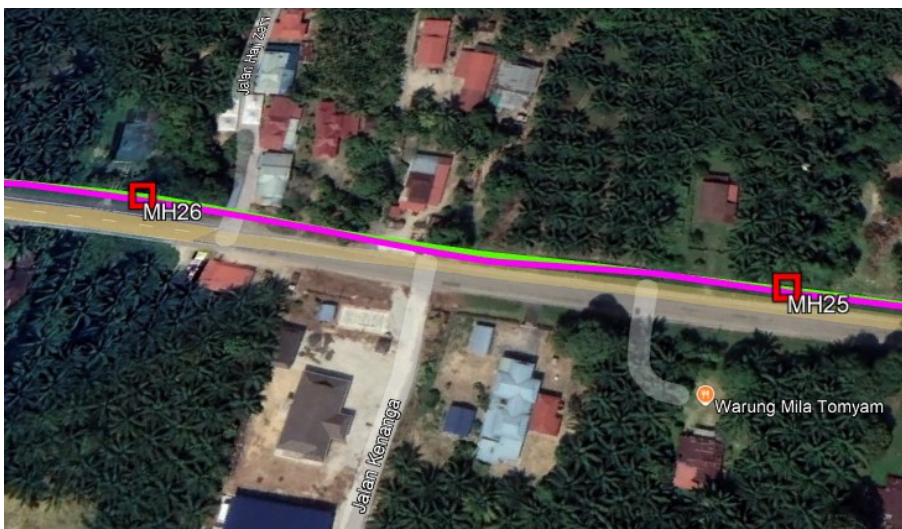
Location 22 (MH22- 4.428865, 100.894992) (MH23- 4.427055, 100.894009)



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



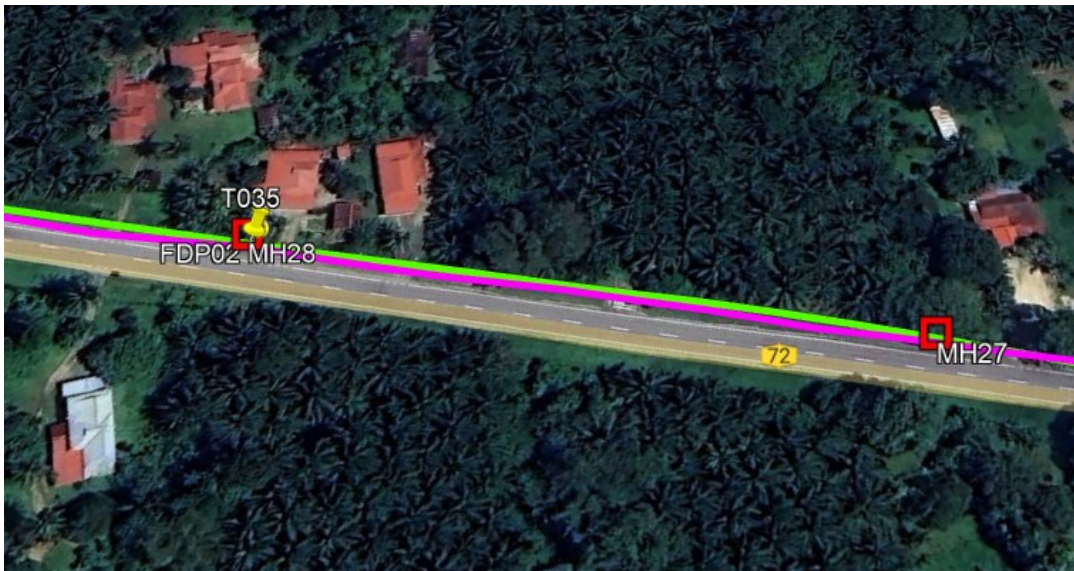
Location 24 (MH24- 4.425340, 100.892621) (MH25- 4.423930, 100.891266)



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)



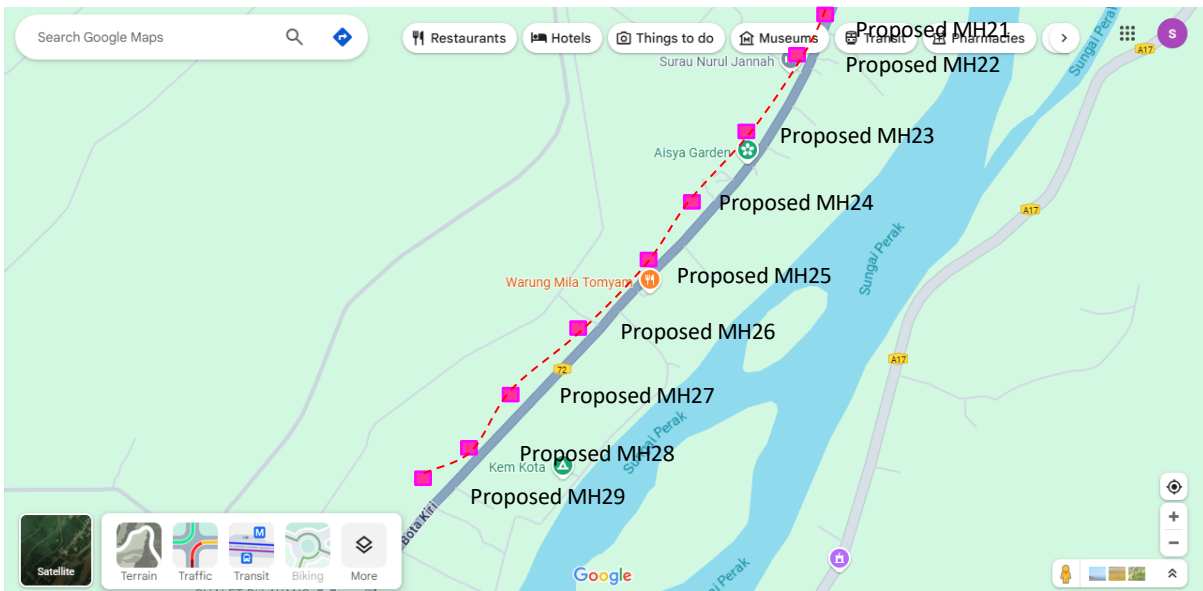
Location 28 (MH28- 4.420122, 100.887607) (MH29- 4.421140, 100.888599)

Site Plan – Google Map (routing plan, Manhole)





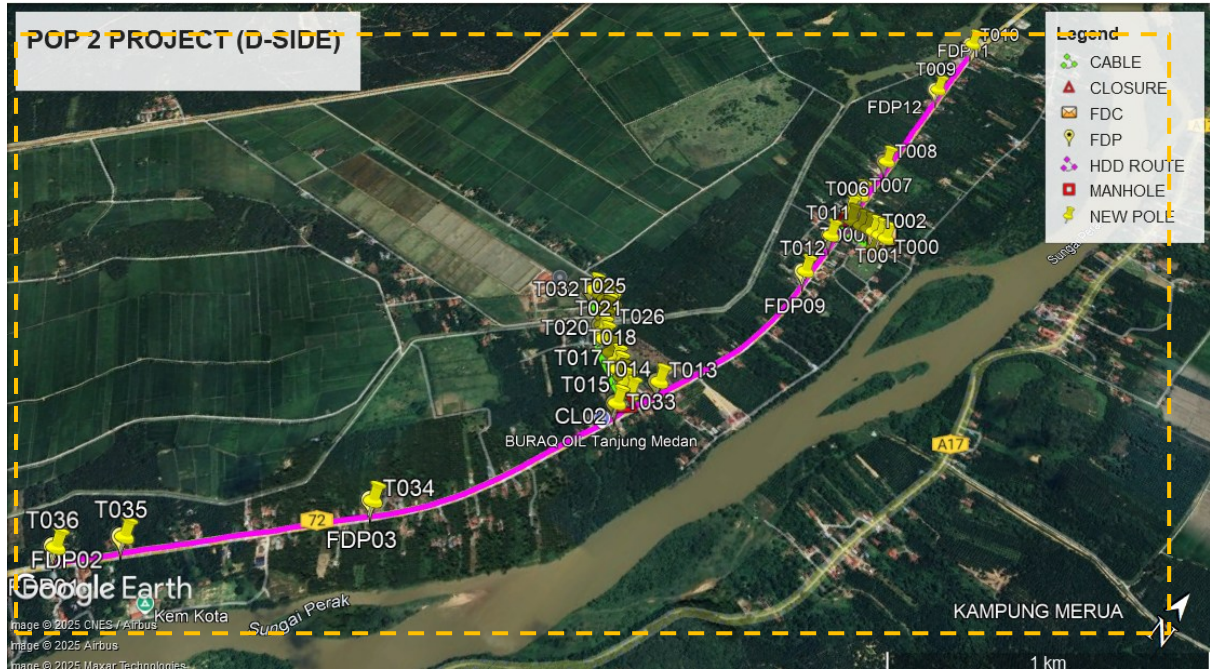
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Proposed New Manhole Lat & Long Table

| 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)





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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 | PDT |
| 2 | T001 | 0.00 | 4.44332531 | 100.8996884 | PDT |
| 3 | T002 | 0.00 | 4.443312594 | 100.8994325 | PDT |
| 4 | T003 | 0.00 | 4.443292776 | 100.8992149 | PDT |
| 5 | T004 | 0.00 | 4.443286789 | 100.8989216 | PDT |
| 6 | T005 | 0.00 | 4.4433023 | 100.8985488 | PDT |
| 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 | PDT |
| 16 | T015 | 0.00 | 4.433043327 | 100.8962485 | PDT |
| 17 | T016 | 0.00 | 4.433220537 | 100.8959766 | PDT |
| 18 | T017 | 0.00 | 4.433383999 | 100.8956982 | PDT |
| 19 | T018 | 0.00 | 4.433556981 | 100.8954663 | PDT |
| 20 | T019 | 0.00 | 4.433725925 | 100.8951425 | PDT |
| 21 | T020 | 0.00 | 4.43388281 | 100.8948771 | PDT |
| 22 | T021 | 0.00 | 4.434041063 | 100.8946146 | PDT |
| 23 | T022 | 0.00 | 4.434214797 | 100.8944014 | PDT |
| 24 | T023 | 0.00 | 4.43445301 | 100.8942458 | PDT |
| 25 | T024 | 0.00 | 4.434697371 | 100.8941081 | PDT |
| 26 | T025 | 0.00 | 4.434888686 | 100.8940405 | PDT |

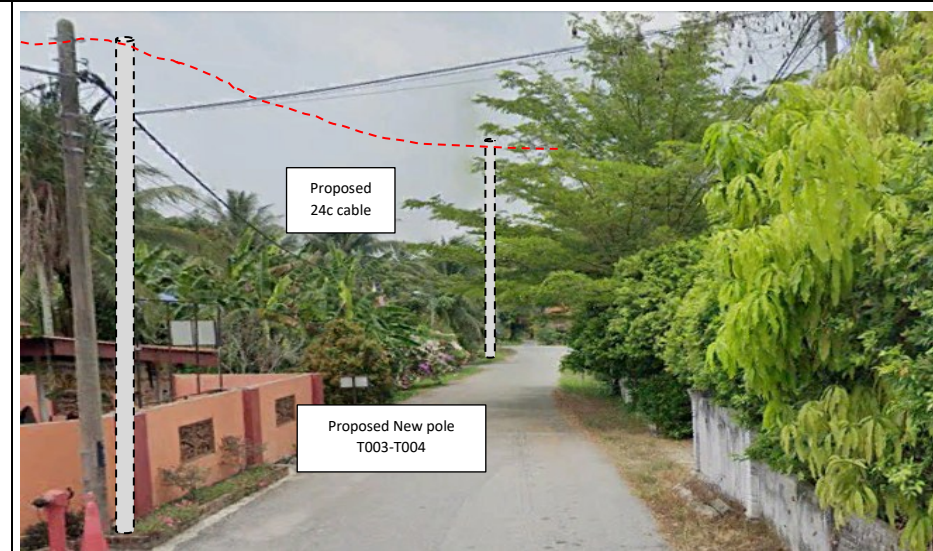
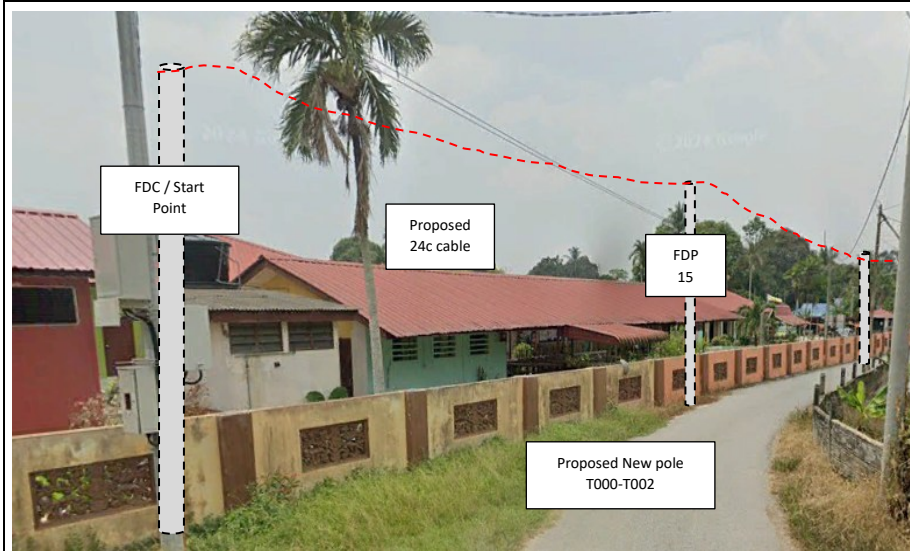


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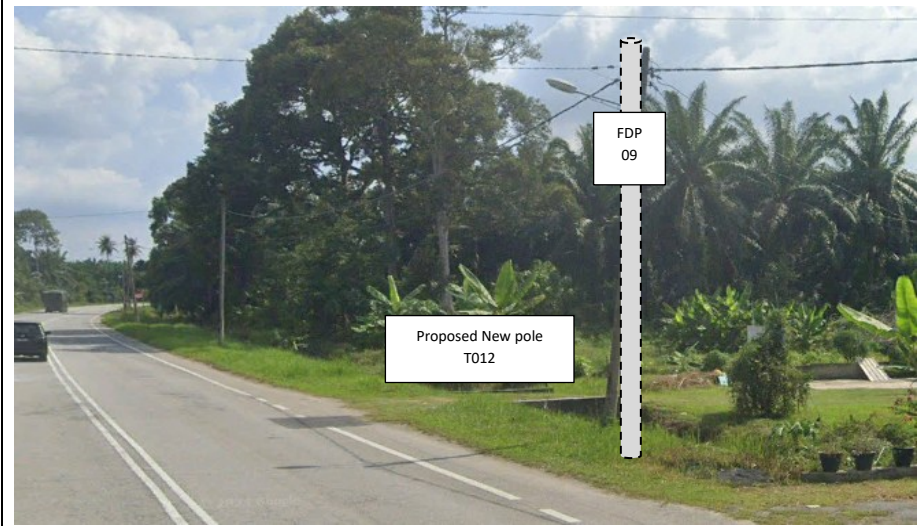


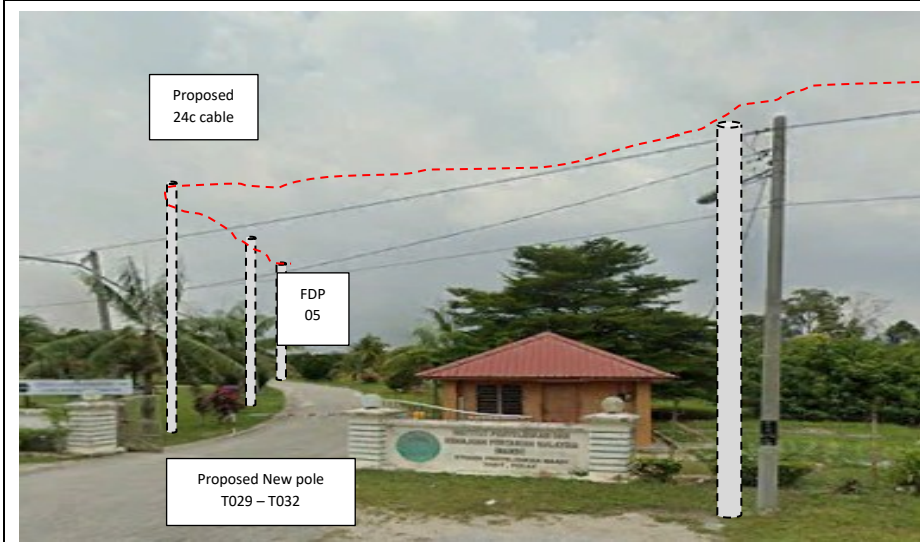
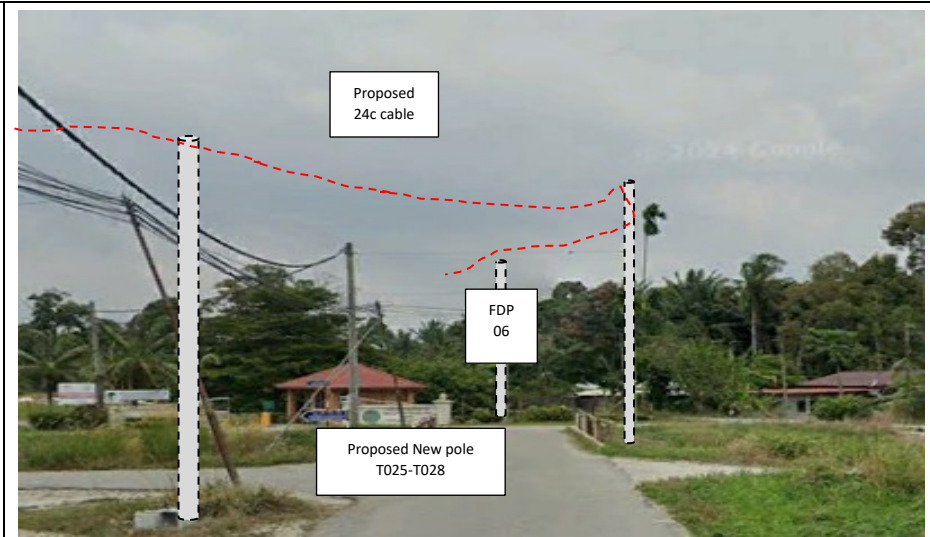
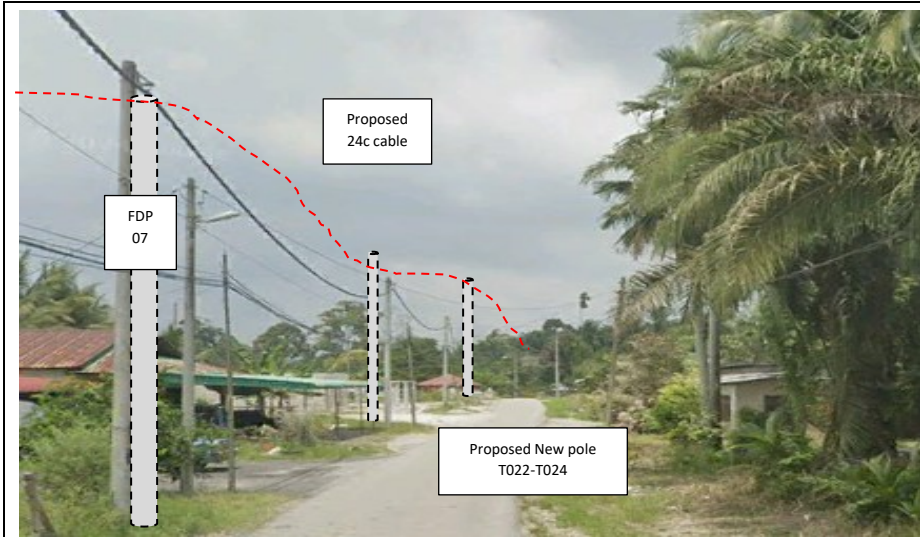
| | | | | | |
|----|------|------|-------------|-------------|-----------|
| 27 | T026 | 0.00 | 4.435015721 | 100.893964 | PDT |
| 28 | T027 | 0.00 | 4.43515405 | 100.893985 | PDT |
| 29 | T028 | 0.00 | 4.435396705 | 100.8939597 | PDT |
| 30 | T029 | 0.00 | 4.43237897 | 100.8964089 | JKR Perak |
| 31 | T029 | 0.00 | 4.42535614 | 100.892617 | JKR Perak |
| 32 | T030 | 0.00 | 4.420133147 | 100.8876102 | JKR Perak |
| 33 | T031 | 0.00 | 4.418706496 | 100.8862823 | JKR Perak |
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| 35 | | 0.00 | | | |
| 36 | | 0.00 | | | |
| 37 | | 0.00 | | | |

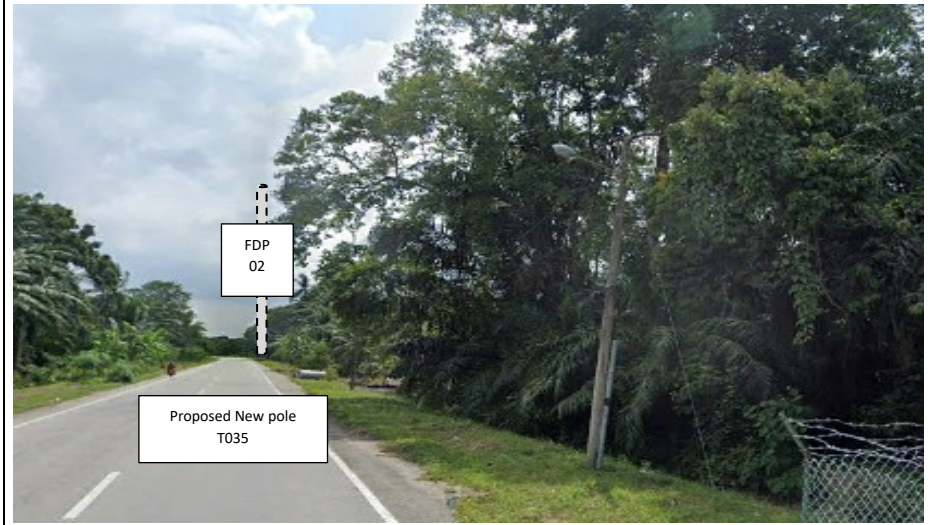
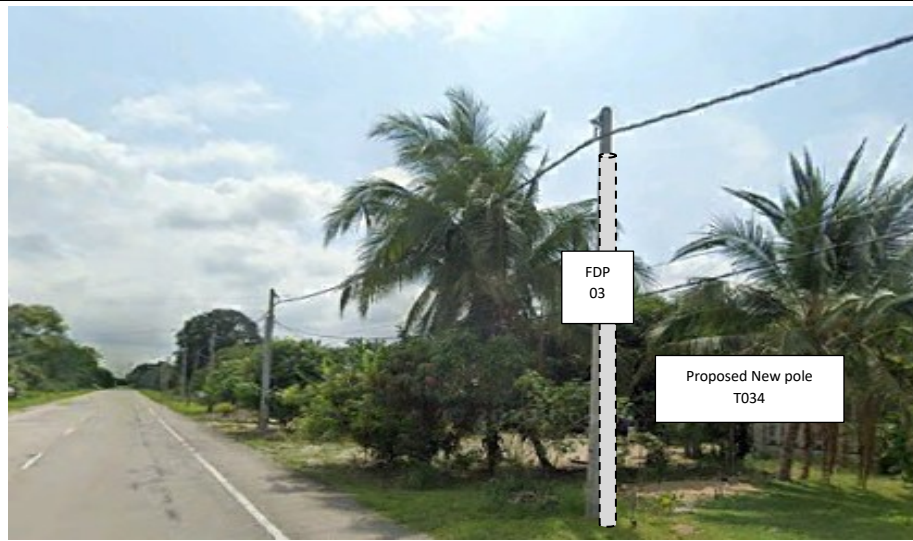
Site Photos – Proposed to install pole











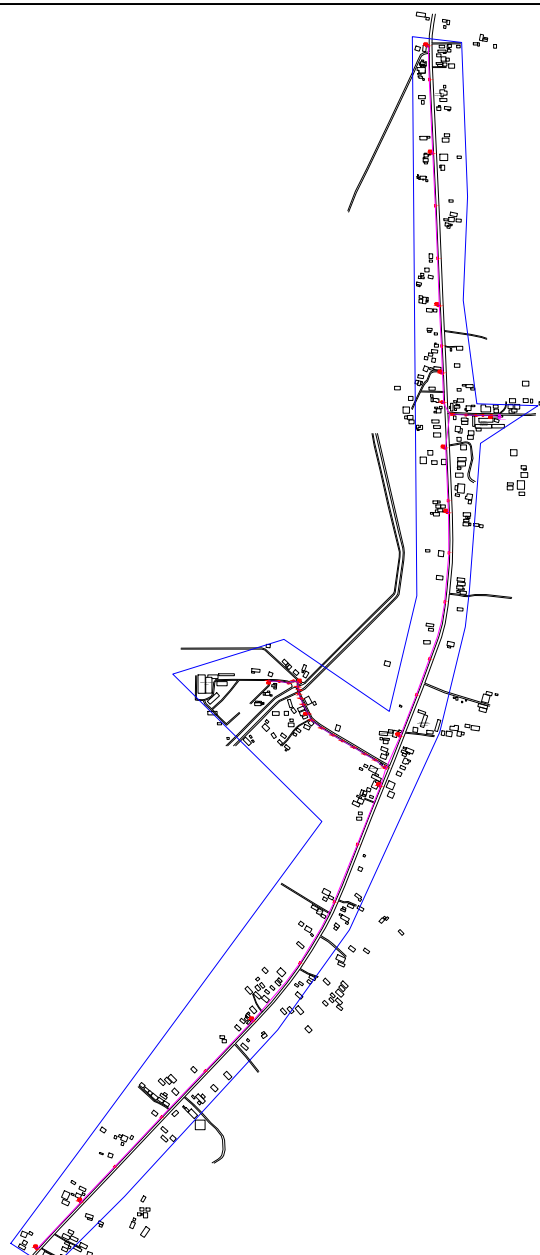


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



3rd Parties Dependencies

| No. | Local Council/ Authority | Remark |
|-----|--------------------------|--------|
| 1 | JKR Perak | |
| 2 | PDT | |
| 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 | 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 | | | | | FDC NO. | DP1 | FDP NO. | |

ACTUAL HOMEPASS :

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :



APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA INAP 30/06,
50250 JALAN P. RAJALEA,
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/5, TAMAN PUNCAK JALIL,
ENHANG PUTRA PERIMA,
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9588 5563
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-01 | Sheet : 1/14 |
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Design By : ENGINEER

Date : DEC 2024

Drawn By : CAD ENGINEER

Scale : NOT TO SCALE

Checked By : ENGINEER

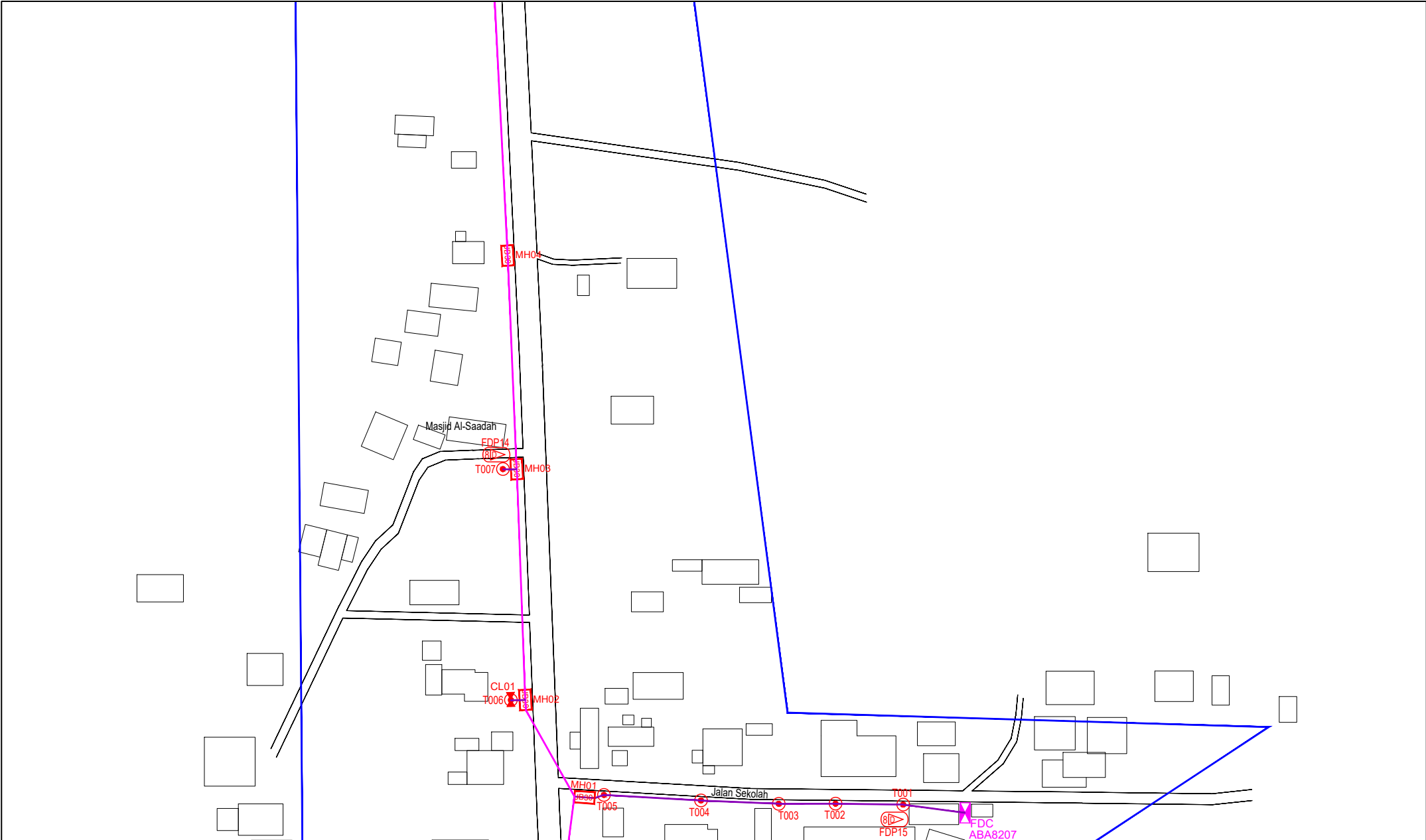
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DRAWING NUMBER :
ABA8207-ABD-01

Sheet :
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A3




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|----------|-------------------------------------|------|-----------------------|------|-------------------------|------|------------------------|------|-------------------------|-------|-----------------------|
| 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 PERAI,
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

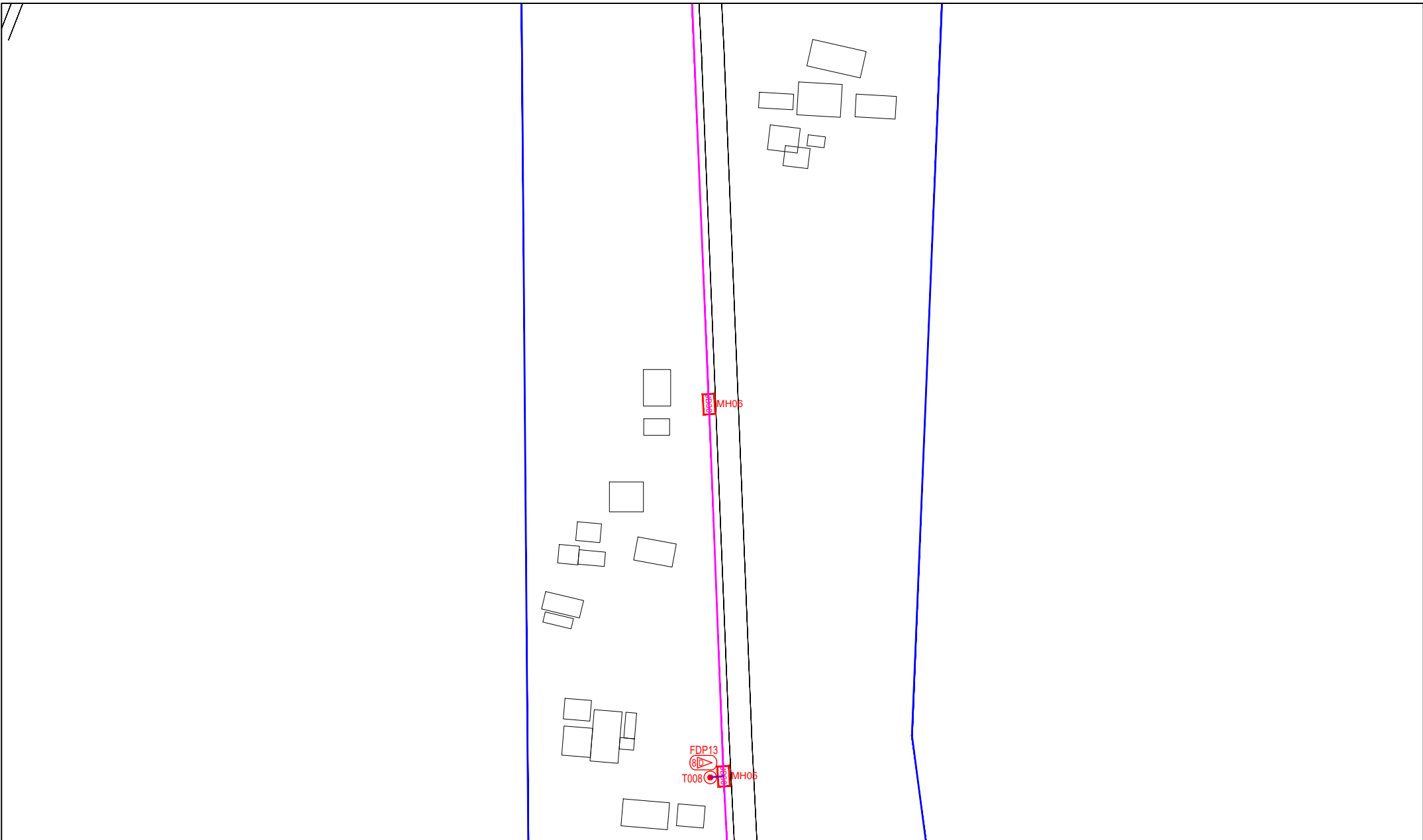
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Job Number : 1

DRAWING NUMBER :
ABA8207-ABD-01A

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Size :
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|----------|-------------------------------------|-----------------------|------|-------------------------|---------|-------------------|-------------------|-------------------------|-------|-----------------------|
| 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 | Tension | MB30 | New Manhole(JRC7) | Temporary Infra (Meter) | TKS-1 | Existing TNB Pole NO. |
| 48C FOC | 5085 FDC | Installed Pole (6.7M) | | Pole Ring | | FDP Boundary | | Loop / Coil (Meter) | P001 | New Pole NO. |
| 96C FOC | Closure | Existing TNB Pole | 2 | 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/DEVELOPOR :

APEX COMMUNICATIONS SDN BHD
12th FLOOR, MENARA HAP SDNG,
50200 JALAN P. PAKELZ
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

Checked By : ENGINEER Job Number : 1

DRAWING NUMBER :
ABA8207-ABD-01B

Sheet :
3/14

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Design By : ENGINEER Date : DEC 2024

Drawn By : CAD ENGINEER Scale : NOT TO SCALE

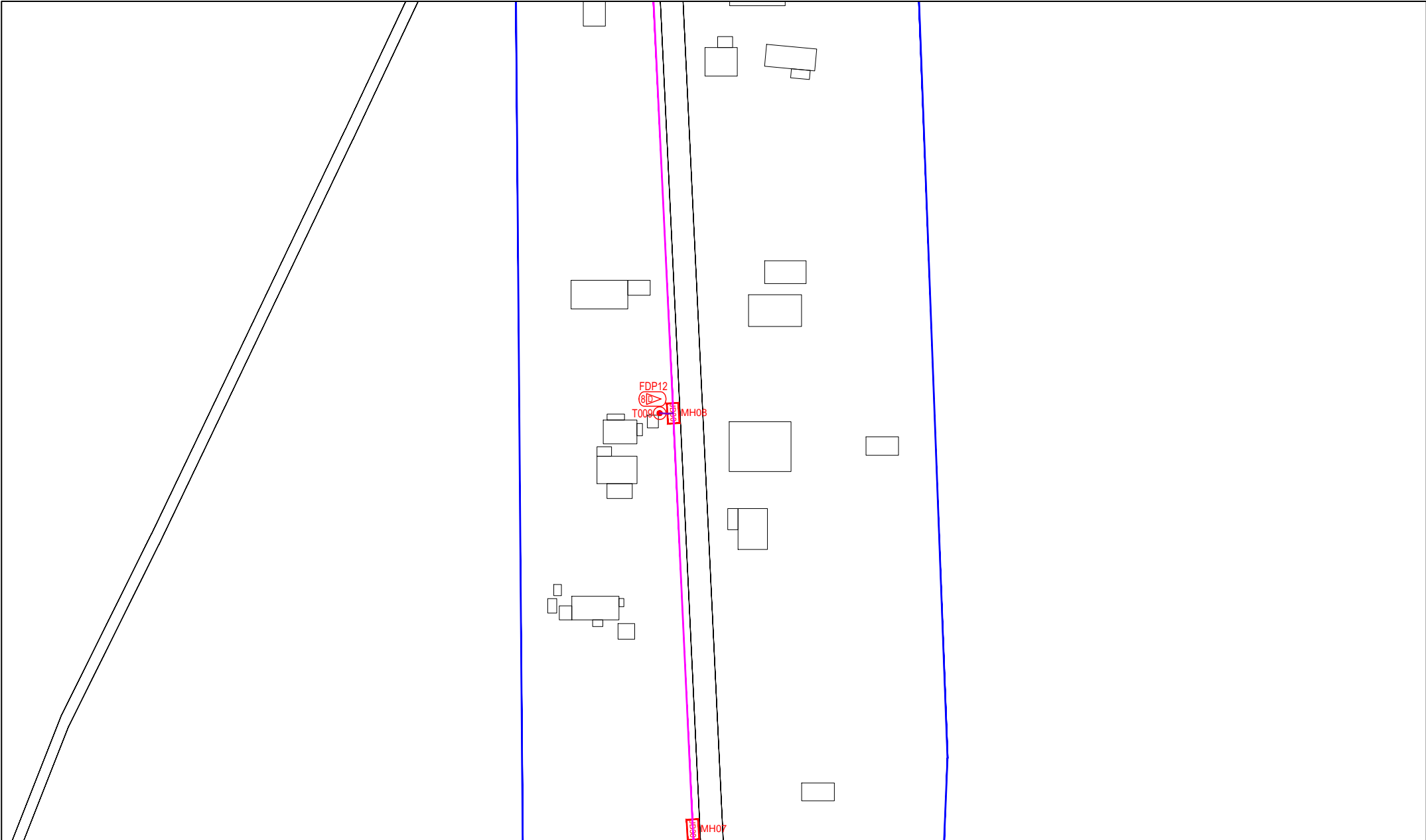
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DRAWING NUMBER :
ABA8207-ABD-01B

Sheet :
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Size :
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|----------|-------------------------------------|-----------------------|-------------------------|-------------------|-------------------------|-------|-----------------------|------|------|
| 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 32000 SERI KEMBANGAN, SELANGOR
 TEL: +603 9088 9083
 E-MAIL: info@wcwcommunications.com.my

PROJECT TITLE :

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

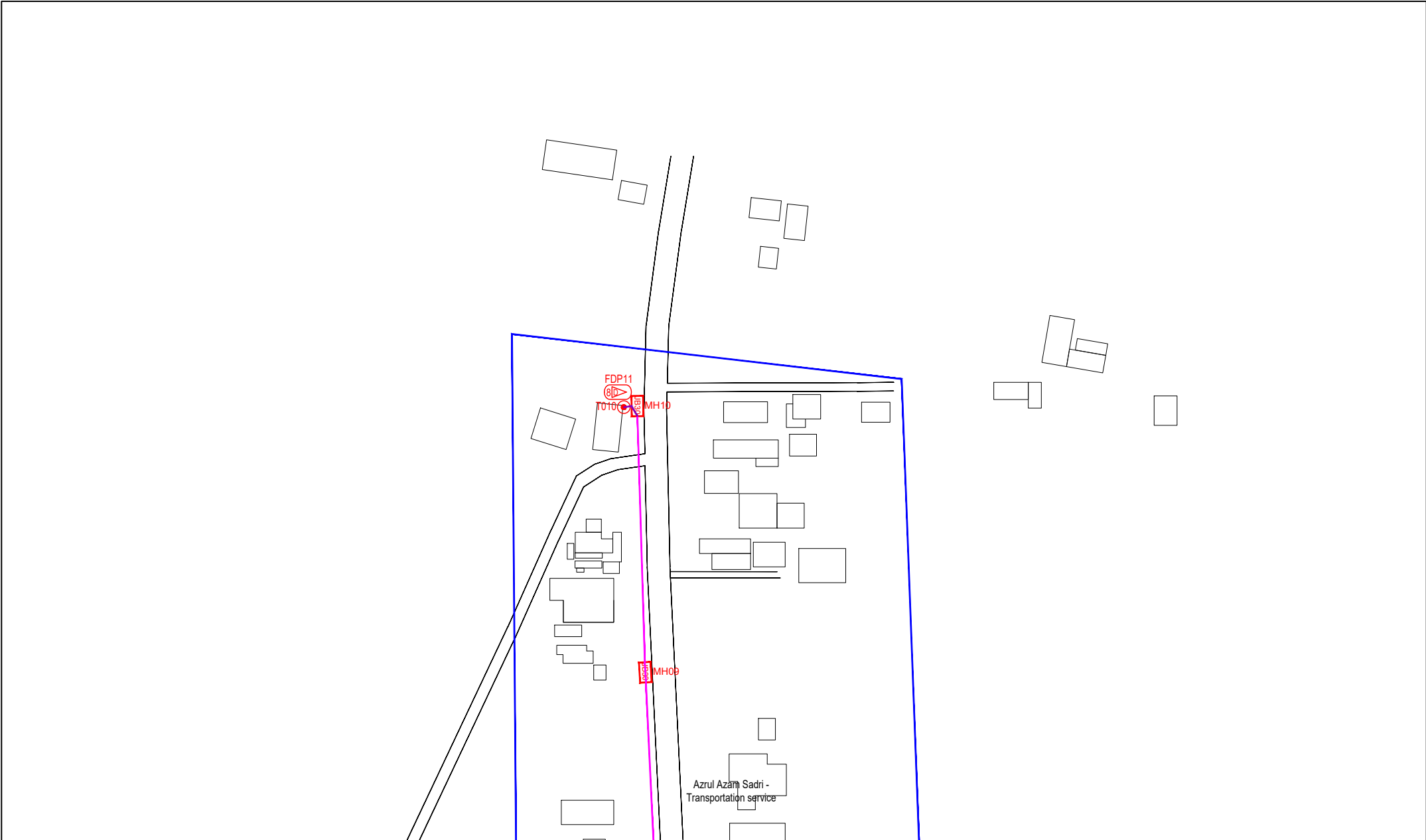
DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING
 ABA8207
 SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:
 POP 2

Design By : ENGINEER
 Drawn By : CAD ENGINEER
 Checked By : ENGINEER
 DRAWING NUMBER :
 ABA8207-ABD-01C
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Date : DEC 2024
 Scale : NOT TO SCALE
 Job Number : 1
 Sheet : 4/14
 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 | UB30 | New Manhole (PIT) | 29 | Micro-Trenching (Meter) | MH1 | MH NO. |
| 24C FOC | Installed Patch Cord | Installed Pole (7.5M) | Tension | CB7 | New Manhole(JRC7) | 29 | 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
1208, FLOOR, MENARA INAP 30/06,
50250 JALAN P. RAJALE,
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PUJ 3/3, TAMAN PUNCAK JAL,
BANDAR PUTRA PERMAS,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 8988 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

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Design By : ENGINEER Date : DEC 2024

Drawn By : CAD ENGINEER Scale : NOT TO SCALE

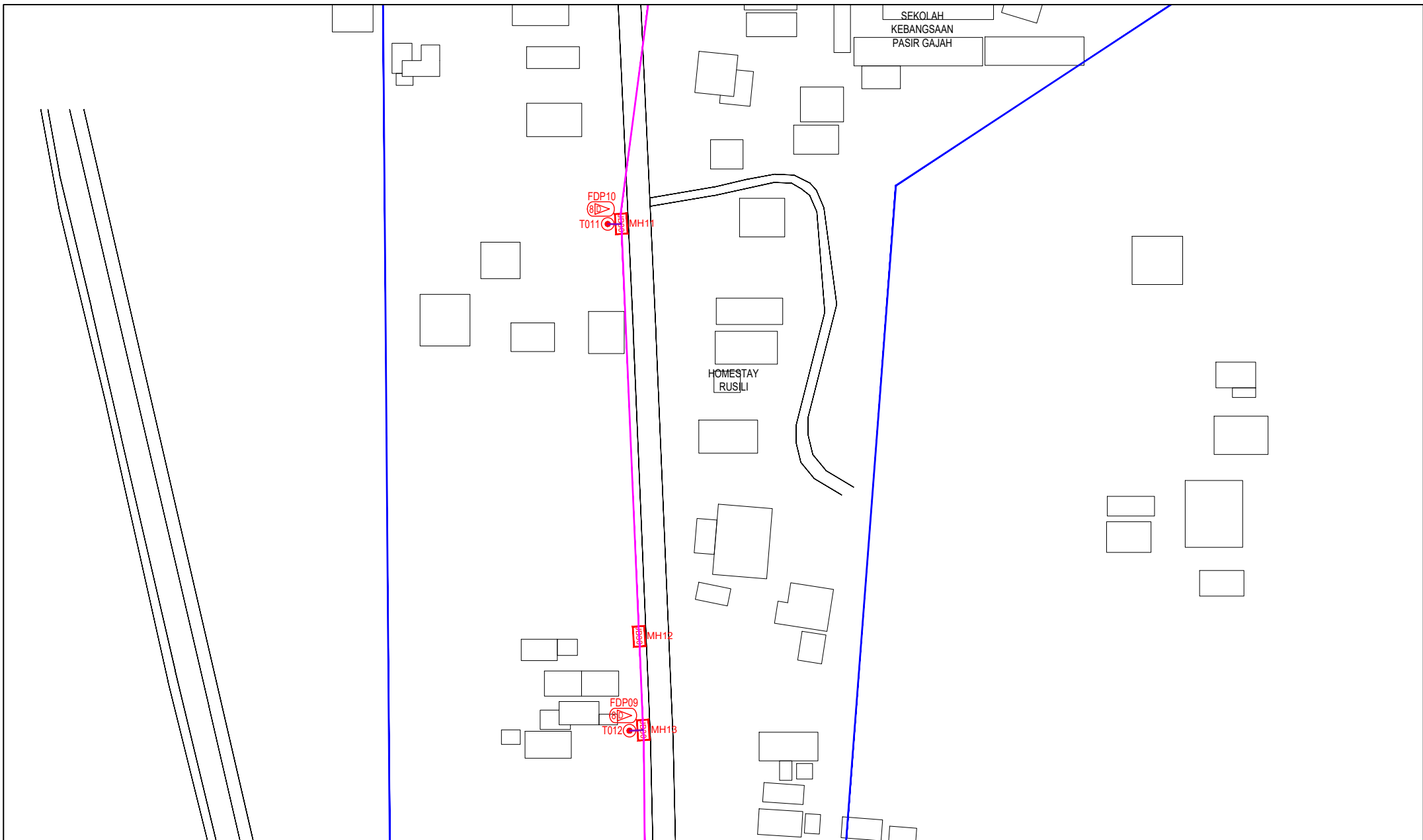
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Size :
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|----------|-------------------------------------|-----------------------|------|-------------------------|------|-------------------|------|-------------------------|-------|-----------------------|------|
| 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 | 2 | 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 ALIAN 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

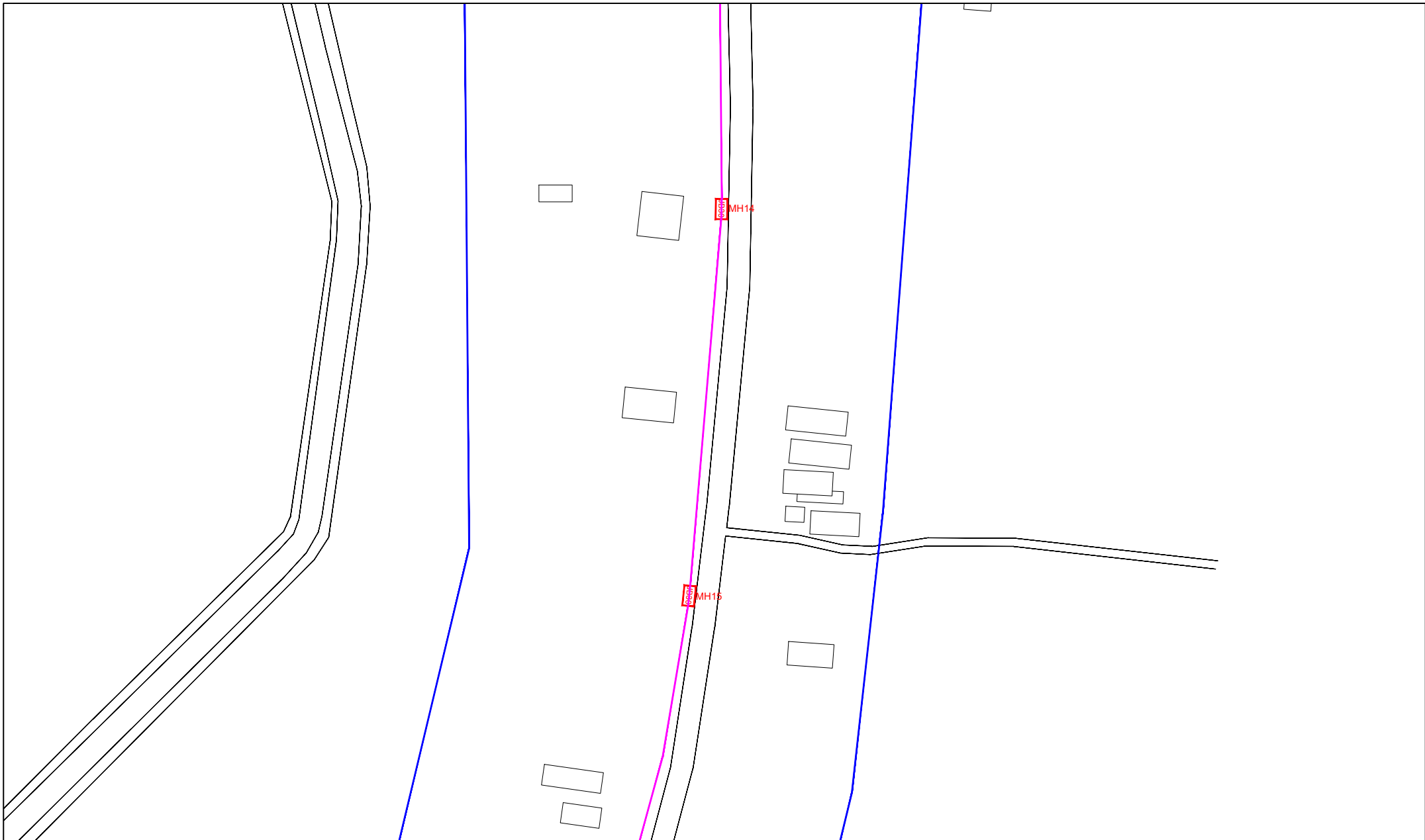
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Job Number : 1

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| 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 | 29 | 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 PUJ 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

Checked By : ENGINEER Job Number : 1

DRAWING NUMBER :
ABA8207-ABD-01F

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Design By : ENGINEER Date : DEC 2024

Drawn By : CAD ENGINEER Scale : NOT TO SCALE

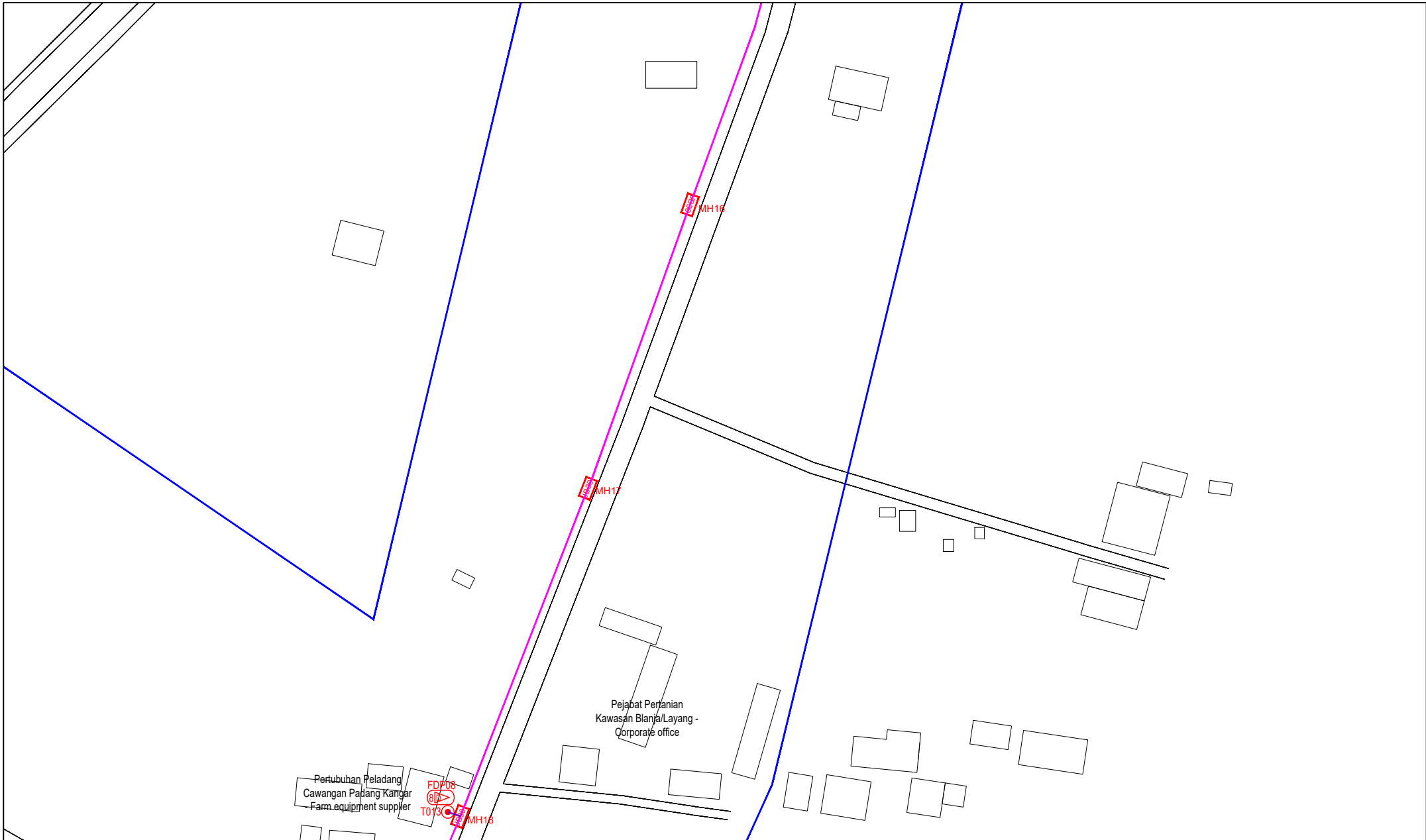
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|----------|-------------------------------------|-----------------------|-------------------------|------|-------------------|------|-------------------------|-------|-----------------------|------|
| 12C FOC | Installed 1:4 / 1:8 / 1:32 splitter | 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 | 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 KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PAU 3/3, TAMAN PUNCAK JALIL,
BANDAR PUTRA PERAI,
43200 SERI KEMBANGAN, SELANGOR
TEL : +603 8988 5053
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

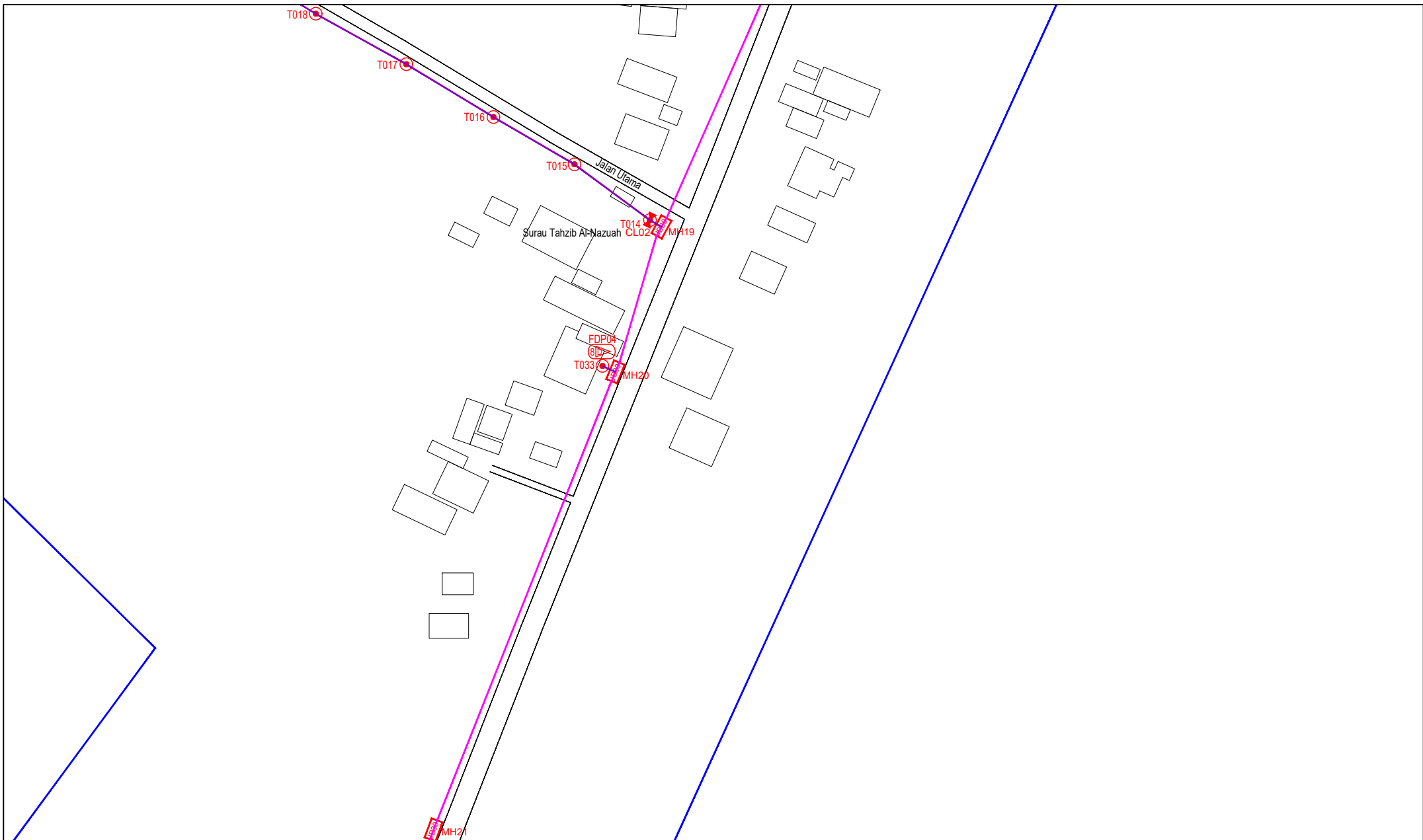
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Job Number : 1

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|----------|-------------------------------------|-----------------------|-------------------------|------|-------------------|-------------------------|-------|-----------------------|------|
| 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

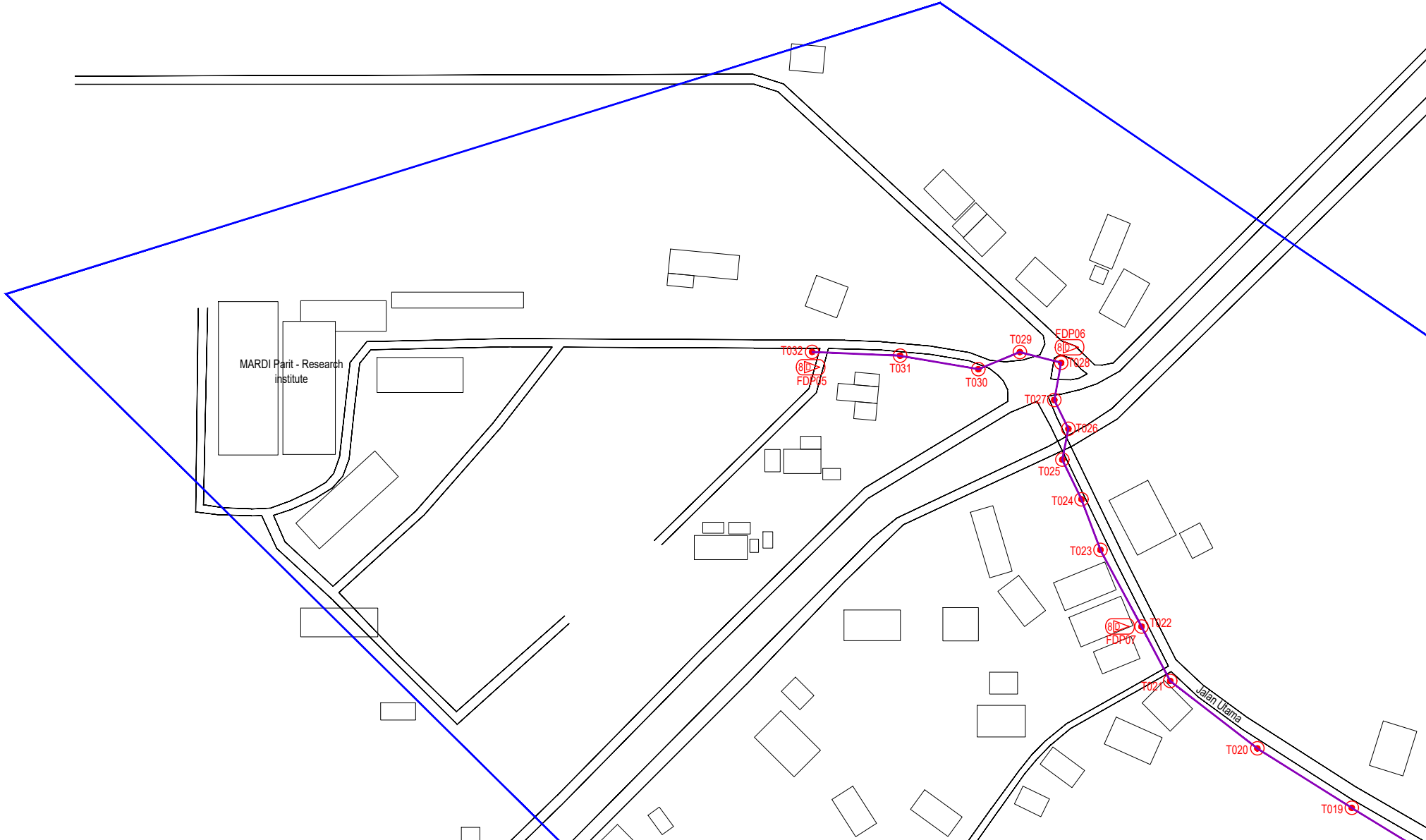
OWNER/DEVELOPER :



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

PROJECT 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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|----------|-------------------------------------|-----------------------|-------------------------|-------------------|------|-------------------------|-------|-----------------------|------|------|------|
| 12C FOC | Installed 1:4 / 1:8 / 1:32 splitter | Installed Pole (9m) | 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 | 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) | 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 MAP SENANG,
50250 JALAN P. RAJALE,
KUALA LUMPUR

MAIN CONTRACTOR :



WCWL COMMUNICATIONS SDN BHD
127, JALAN PAU 3/3, TAMAN PANGKAL JAYA,
BANDAR PUTRA PERANG,
43300 SERI KEMBANGAN, SELANGOR
TEL : +603 2988 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

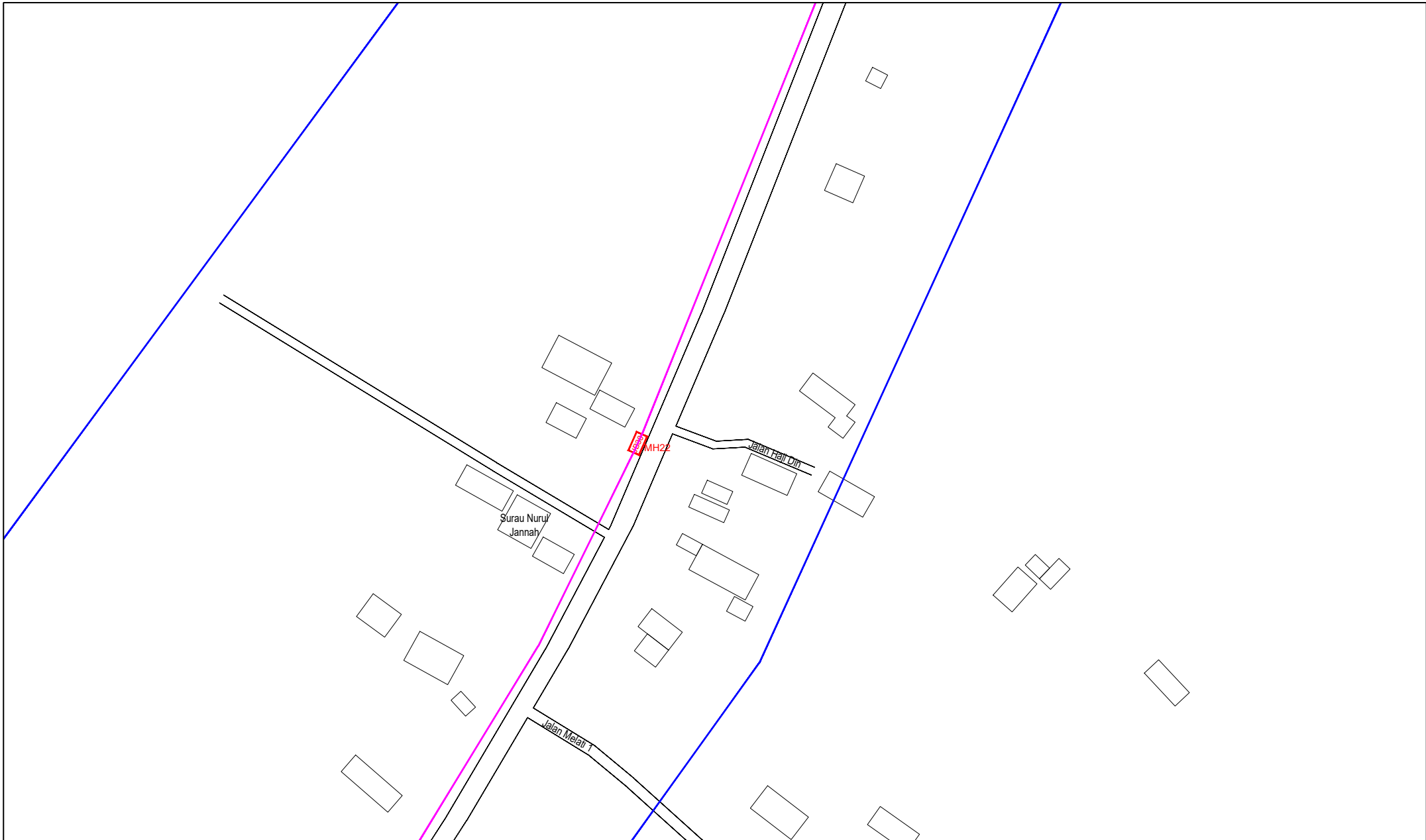
PROJECT PHASE:
POP 2

Drawn By : ENGINEER
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Date : DEC 2024
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Job Number : 1

DRAWING NUMBER :
ABAB207-ABD-11

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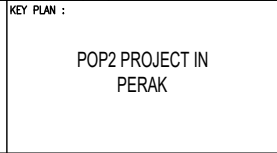


| LEGEND | NOS. | NOS. | NOS. | NOS. | NOS. | NOS. | NOS. | NOS. | NOS. | NOS. | | | |
|----------|------|-------------------------------------|------|-----------------------|------|-------------------------|------|-------------------|------|-------------------------|--|-------|-----------------------|
| 12C FOC | | Installed 1:4 / 1:8 / 1:32 splitter | | Installed Pole (9m) | 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 SEMBANG
51200 JALAN P. HANAZ
KUALA LUMPUR



MAIN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD
127, JALAN PUTI 3/2, TAMAN PUNCAK JALIL,
BANGKAS PUDA, PERAK
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 8988 0963
E-MAIL: info@wcwcommunications.com.my

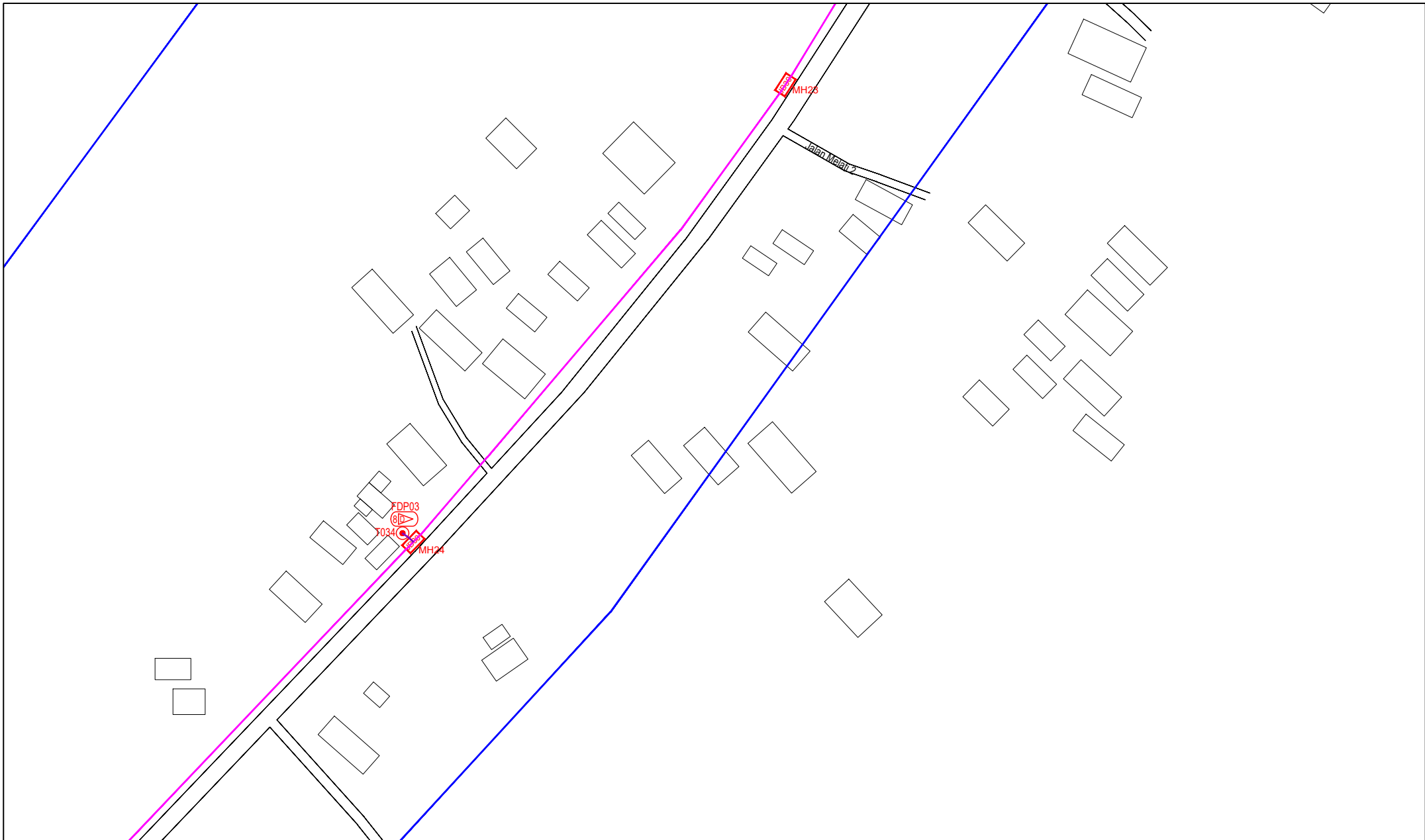
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

PROJECT TITLE :

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

PROJECT PHASE:
POP 2

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

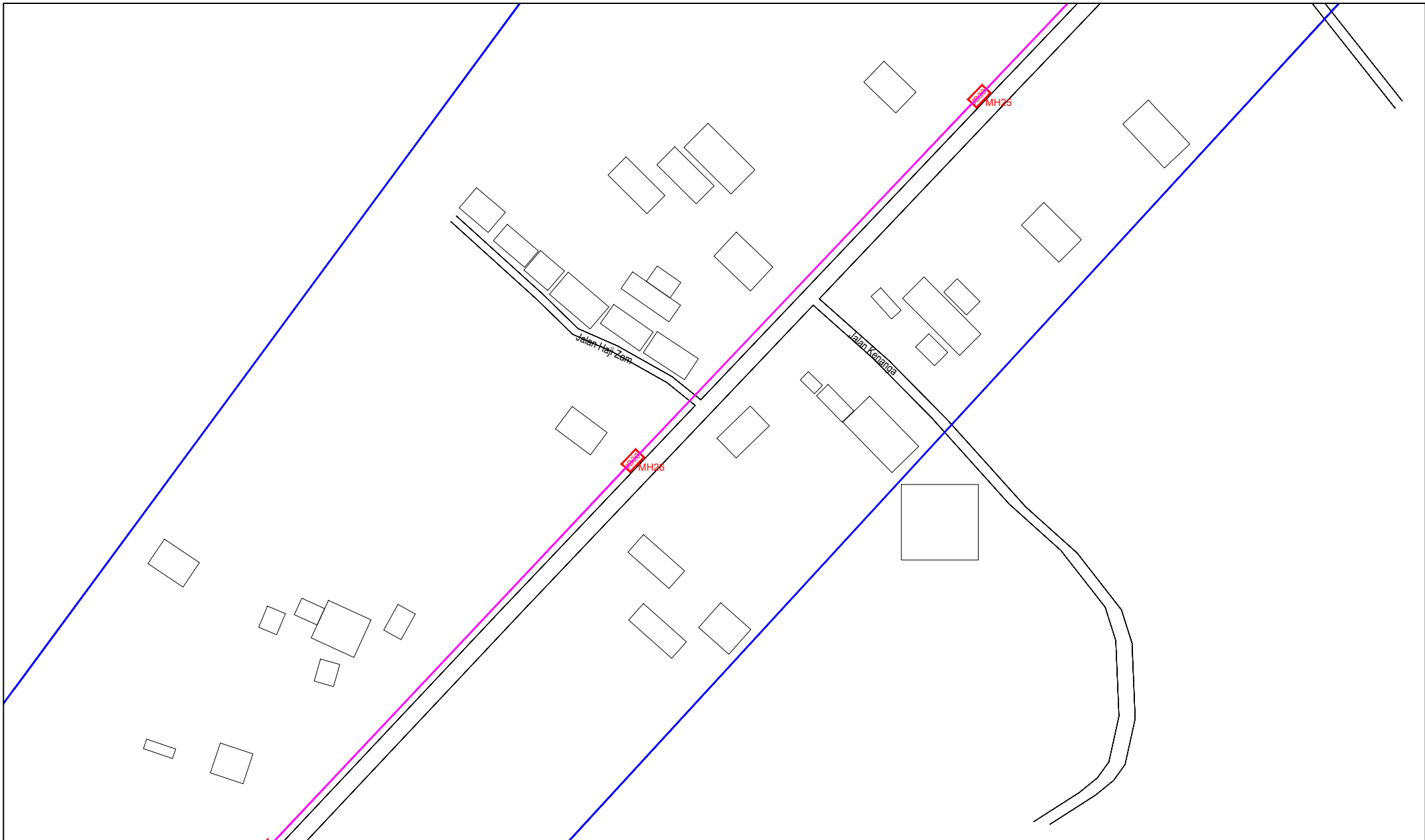
OWNER/DEVELOPER :



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

| | |
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| Checked By : ENGINEER | Job Number : 1 |
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|----------|-------------------------------------|-----------------------|-------------------------|------|-------------------|-------------------------|-------|-----------------------|------|
| 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,
SUNGAI PUTIH, PERAK
43300 SERI KEMBANGAN, SELANGOR
TEL: +603 9088 5063
E-MAIL: info@wcwcommunications.com.my

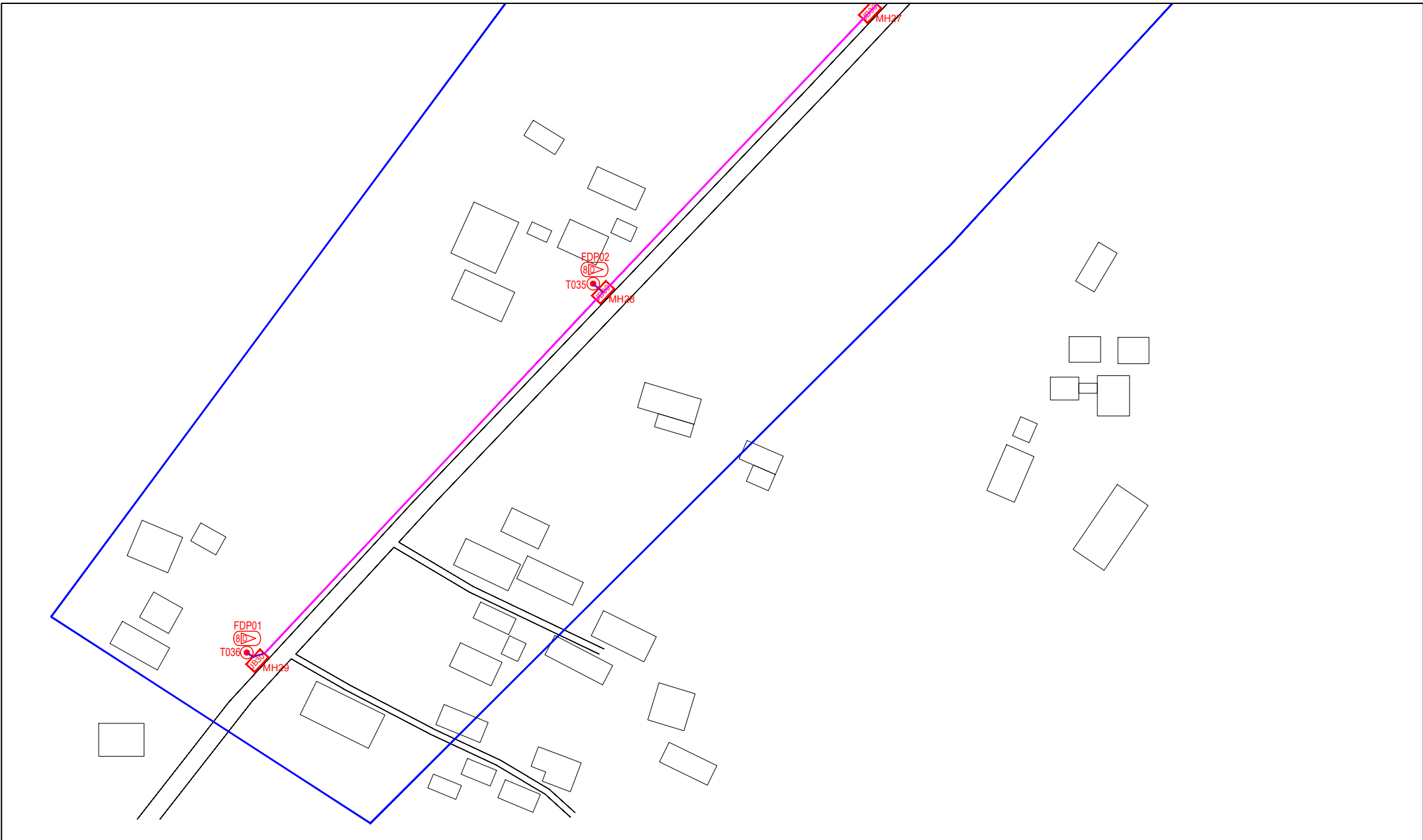
PROJECT TITLE :

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

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|----------|-------------------------------------|-----------------------|-------------------------|------|-------------------|------|-------------------------|-------|-----------------------|
| 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,
50500 KUALA P. REMAJE
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
ABA8207
SEKOLAH KEBANGSAAN PASIR GAJAH

PROJECT PHASE:

POP 2

| | |
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