



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))



TECHNICAL PROPOSAL

POP2 AEA6056 SEKOLAH MENENGAH KEBANGSAAN BUKIT JANA (D-SIDE)

Company Name : Archway Mapping Services Sdn. Bhd.
Company Address : No 48-1, Jalan TU39A, Ayer Keroh Melaka
Prepared By : Muhammad Adham
Date : 10/11/2024



Point A



Point B

Starting Point

Site / Boundary Name : KAMUNTING
Address : SMK BUKIT JANA
District : LARUT MATANG
Postcode : 34600
State : PERAK
GPS Coordinate : 4.541963, 100.435489
LRD : A

End Point

Site / Boundary Name : KAMUNTING
Address : PERUMAHAN AWAM BATU 4
District : LARUT MATANG
Postcode : 34600
State : PERAK
GPS Coordinate : 4.540914, 100.434970
LRD : B



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1.0 WORK SUMMARY

| NO | PROPOSED DISTANCE AND METHOD | UNIT | QUANTITY |
|-------|---------------------------------------|------|----------|
| 1 | Horizontal Directional Drilling (HDD) | m | 280 |
| 2 | Carriage Way Open Trench (CW) | m | 0 |
| 3 | Grass Verge Open Trenching (GV) | m | 6 |
| 4 | Micro Trenching (MT) | m | 0 |
| Total | | | 286 |

| NO | OTHER INFORMATION | UNIT | QUANTITY |
|----|--|------|----------|
| 1 | Installation of Short Span ADSS Fibre Cables | m | 1600 |
| 2 | Install New Pole | ea | 39 |
| 3 | Install New JRC7 Manhole | ea | 3 |
| 4 | Install GI Riser 100mm | m | 12 |
| 5 | Install Fiber Distribution Point | ea | 16 |
| 6 | Install Closure | ea | 4 |
| 7 | Estimated Time Required for Completion | days | 14 |

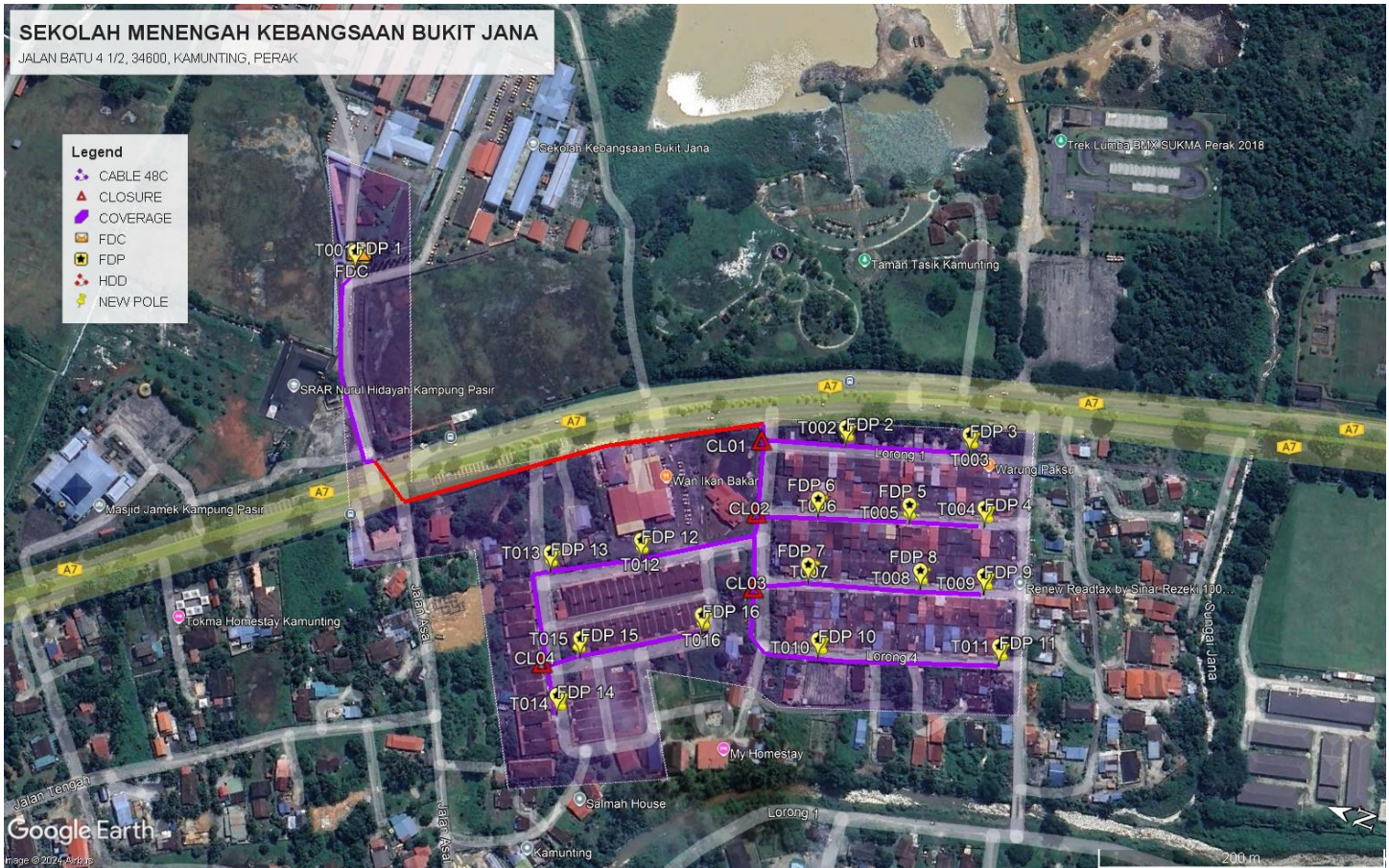
2.0 LOCAL AUTHORITY SUMMARY

Daerah Larut Matang

| Bil | Items | Owner | Quantity | Distance |
|-------|-------------------|-----------------------|----------|----------|
| 1 | HDD | JKR | 1 | 280 |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| 2 | New Pole | JKR | - | - |
| | | Majlis | 39 | 1320m |
| | | Estate / Private Land | - | - |
| 3 | Existing TNB Pole | JKR | - | - |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| Total | | | | 1600m |

3.0 SITE PLAN (KMZ)

3.1 Overview Site Area



3.2 Site Plan - KMZ Routing (All Local Authority)



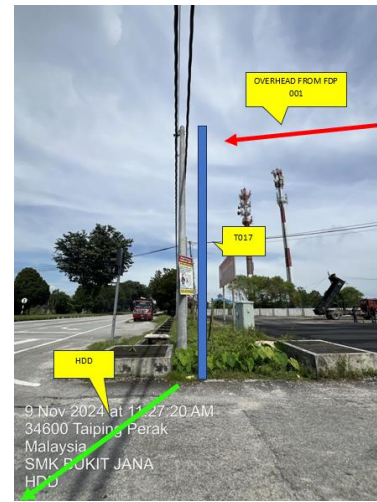
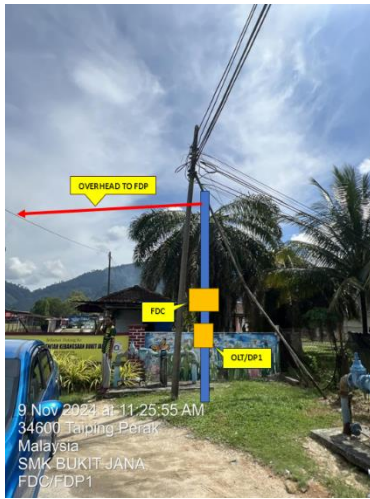
Red Colour – JKR Road

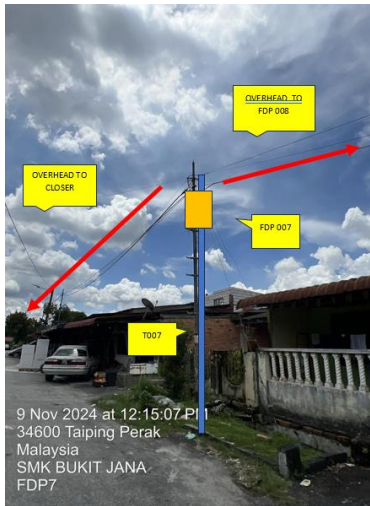
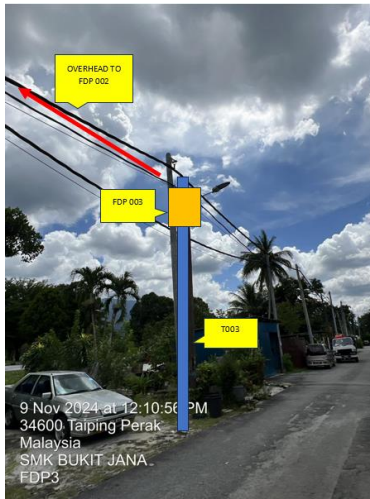
Blue Colour - Majlis Road

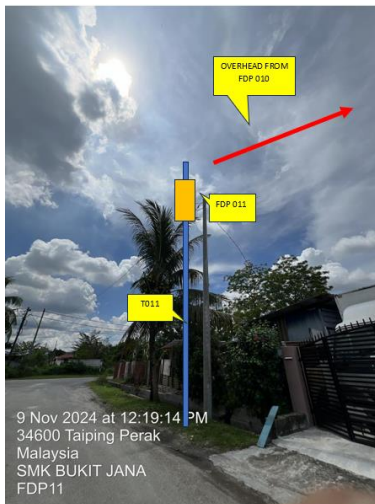
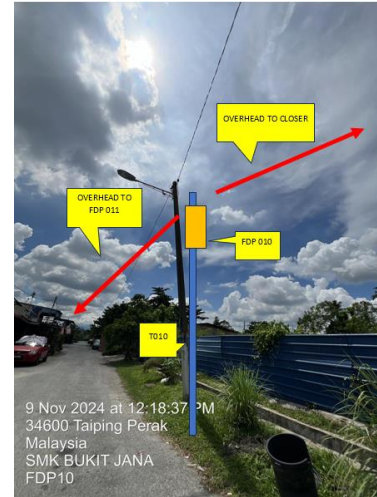
4.0 PROPOSED NEW POLE FDP

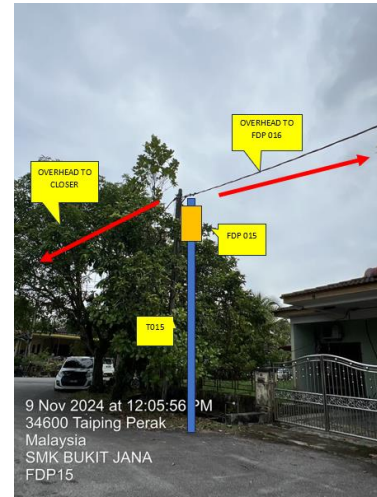
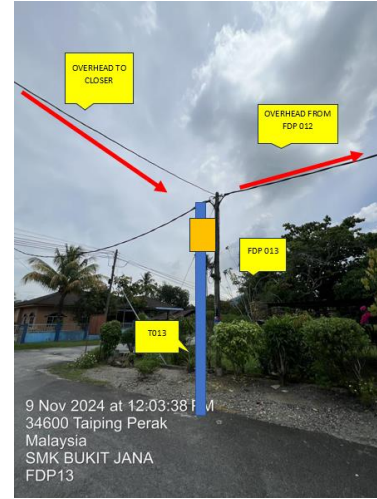
| Proposed New Pole Coordinate | | | | | |
|------------------------------|-------------|--------------|----------|------------|--------------------|
| No. | Pole Number | Distance (m) | Latitude | Longitude | Local Authority |
| 1 | FDC | 0 | 4.541963 | 100.435489 | Majlis Daerah Road |
| 2 | T001 | 3 | 4.541957 | 100.435485 | Majlis Daerah Road |
| 3 | T002 | 40 | 4.541943 | 100.435349 | Majlis Daerah Road |
| 4 | T003 | 40 | 4.541903 | 100.435241 | Majlis Daerah Road |
| 5 | T004 | 40 | 4.541846 | 100.435162 | Majlis Daerah Road |
| 6 | T005 | 40 | 4.541780 | 100.435076 | Majlis Daerah Road |
| 7 | T006 | 310 | 4.540925 | 100.435437 | Majlis Daerah Road |
| 8 | T007 | 35 | 4.540831 | 100.435471 | Majlis Daerah Road |
| 9 | T008 | 35 | 4.540753 | 100.435493 | Majlis Daerah Road |
| 10 | T009 | 35 | 4.540625 | 100.435529 | Majlis Daerah Road |
| 11 | T010 | 35 | 4.540479 | 100.435578 | Majlis Daerah Road |
| 12 | T011 | 35 | 4.540903 | 100.435347 | Majlis Daerah Road |
| 13 | T012 | 35 | 4.540875 | 100.435244 | Majlis Daerah Road |
| 14 | T013 | 35 | 4.540758 | 100.435315 | Majlis Daerah Road |
| 15 | T014 | 35 | 4.540673 | 100.435344 | Majlis Daerah Road |
| 16 | T015 | 35 | 4.540558 | 100.435374 | Majlis Daerah Road |
| 17 | T016 | 35 | 4.540477 | 100.435404 | Majlis Daerah Road |
| 18 | T017 | 35 | 4.540388 | 100.435429 | Majlis Daerah Road |
| 19 | T018 | 35 | 4.540832 | 100.435114 | Majlis Daerah Road |
| 20 | T019 | 35 | 4.540723 | 100.435166 | Majlis Daerah Road |
| 21 | T020 | 35 | 4.540623 | 100.435197 | Majlis Daerah Road |
| 22 | T021 | 35 | 4.540481 | 100.435242 | Majlis Daerah Road |
| 23 | T022 | 35 | 4.540338 | 100.435283 | Majlis Daerah Road |
| 24 | T023 | 35 | 4.540796 | 100.435010 | Majlis Daerah Road |
| 25 | T024 | 35 | 4.540741 | 100.434983 | Majlis Daerah Road |
| 26 | T025 | 35 | 4.540643 | 100.435011 | Majlis Daerah Road |
| 27 | T026 | 35 | 4.540501 | 100.435050 | Majlis Daerah Road |
| 28 | T027 | 35 | 4.540379 | 100.435094 | Majlis Daerah Road |
| 29 | T028 | 35 | 4.540253 | 100.435144 | Majlis Daerah Road |
| 30 | T029 | 35 | 4.540937 | 100.435137 | Majlis Daerah Road |
| 31 | T030 | 35 | 4.541019 | 100.435138 | Majlis Daerah Road |
| 32 | T031 | 35 | 4.541106 | 100.435082 | Majlis Daerah Road |
| 33 | T032 | 35 | 4.541192 | 100.435029 | Majlis Daerah Road |
| 34 | T033 | 35 | 4.541290 | 100.434980 | Majlis Daerah Road |
| 35 | T034 | 35 | 4.541276 | 100.434891 | Majlis Daerah Road |
| 36 | T035 | 35 | 4.541215 | 100.434779 | Majlis Daerah Road |
| 37 | T036 | 35 | 4.541155 | 100.434682 | Majlis Daerah Road |
| 38 | T037 | 35 | 4.541160 | 100.434820 | Majlis Daerah Road |
| 39 | T038 | 35 | 4.541032 | 100.434892 | Majlis Daerah Road |
| 40 | T039 | 35 | 4.540914 | 100.434970 | Majlis Daerah Road |

5.0 SITE PHOTOS - PROPOSED NEW POLE



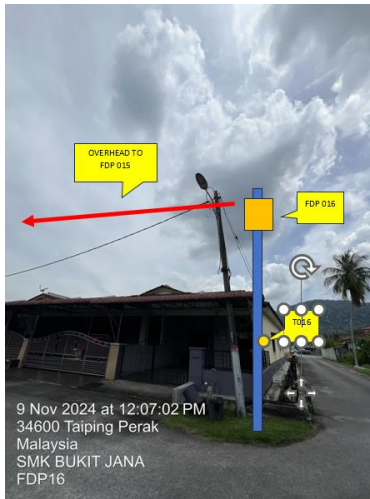








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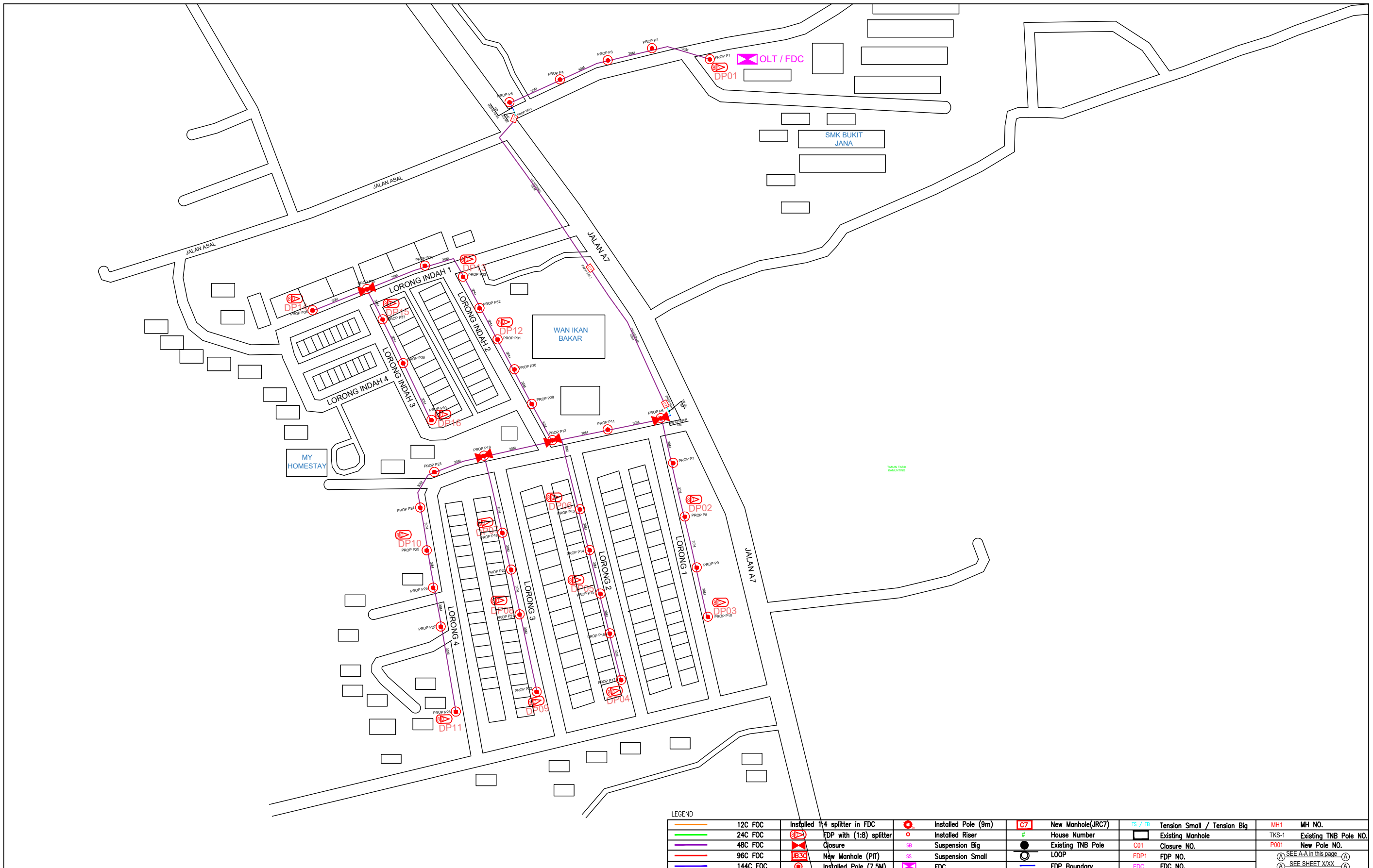


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6.0 3rd PARTIES DEPENDENCIES

| NO | LOCAL COUNCIL / AUTHORITY | REMARK |
|----|----------------------------|--------|
| 1 | Majlis Daerah Larut Matang | 1600m |



| LEGEND | |
|-------------------------------------|-------------------------------|
| 12C FOC | Installed 1+4 splitter in FDC |
| 24C FOC | FDP with (1:8) splitter |
| 48C FOC | Closure |
| 96C FOC | New Manhole (PIT) |
| 144C FOC | Installed Pole (7.5M) |
| Installed Pole (9m) | Installed Riser |
| Suspension Big | Suspension Small |
| New Manhole(JRC7) | House Number |
| Existing TNB Pole | LOOP |
| FDP Boundary | |
| TS / TB Tension Small / Tension Big | Existing Manhole |
| C01 Closure NO. | FDP1 FDP NO. |
| FDC FDC NO. | |
| MH1 MH NO. | TKS-1 Existing TNB Pole NO. |
| | P001 New Pole NO. |
| | (A) SEE A-A in this page (A) |
| | (A) SEE SHEET XXX (A) |

KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR




APPEX COMMUNICATIONS SDN BHD



PRIVASAT

SUB-CONTRACTOR :



ARCHWAY

ARCHWAY MAPPING SERVICES SDN BHD
No 48 Jalan TU 39A, Taman Tasik Utama,
75450 Ayer Keroh, Melaka

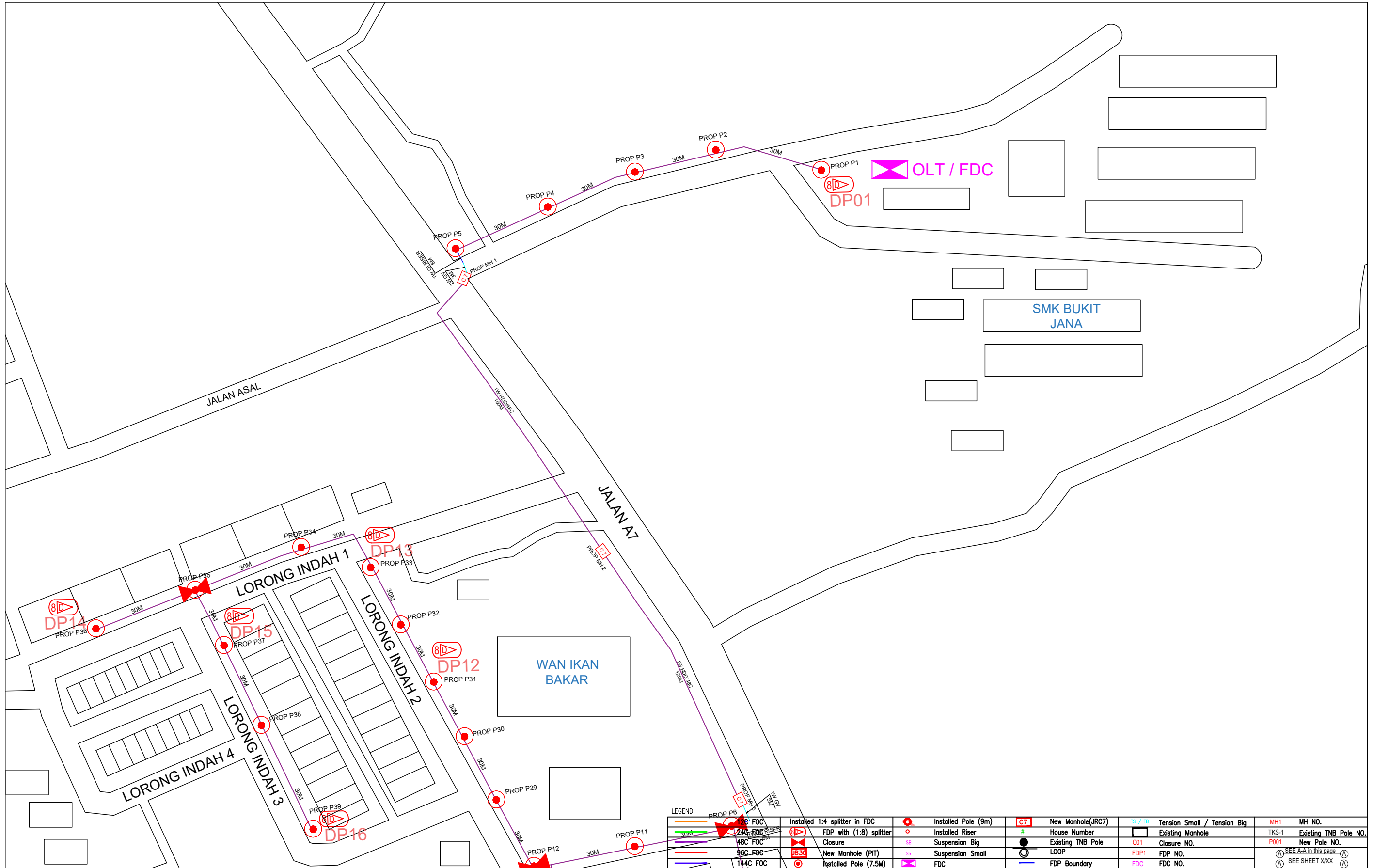
Tel: 606-233 9165 Fax: 606-233 9162
Email: info@archwaymalaysia.com
Website: www.archwaymalaysia.com

PROJECT TITLE:
PROPOSAL FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SMK BUKIT JANA) TO PREMISES PASS AREA

DRAWING TITLE:
SMK BUKIT JANA

PROJECT PHASE:
PROJECT PHASE

| | |
|--|-------------------------|
| Design By : ENGINEER | Date : DATE |
| Drawn By : CAD ENGINEER | Scale : NTS |
| Checked By : ENGINEER | Job Number : JOB/NUMBER |
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MAIN CONTRACTOR



APEX COMMUNICATIONS SDN BHD



PRIVASAT

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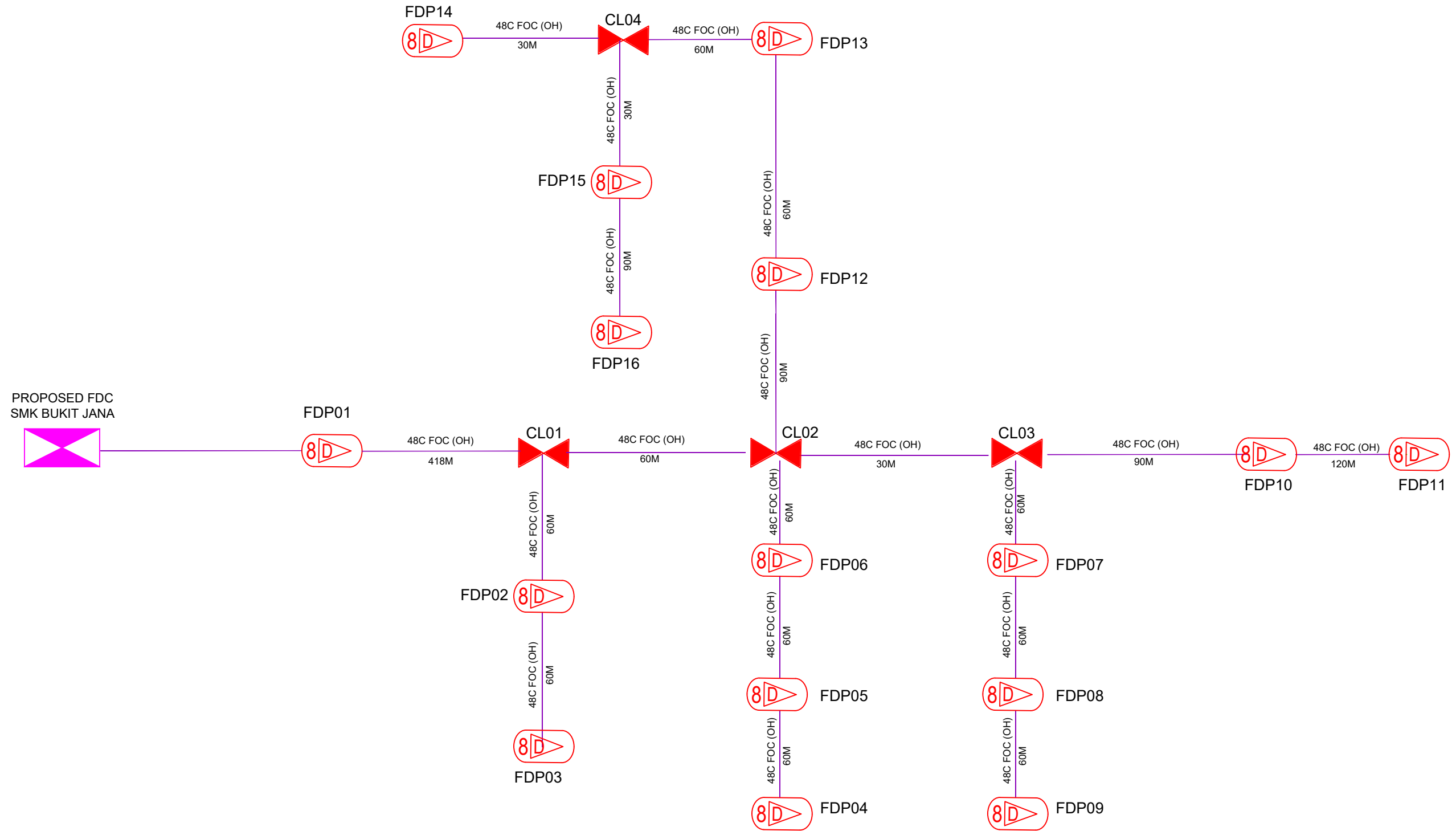
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LEGEND

| | | | | | | | | | | | | |
|--|----------|--|-------------------------------|--|---------------------|--|-------------------|--|-----------------------------|--|---------|---|
| | 12C FOC | | Installed 1:4 splitter in FDC | | Installed Pole (9m) | | New Manhole(JRC7) | | Tension Small / Tension Big | | MH1 | MH NO. |
| | 24C FOC | | FDP with (1:8) splitter | | Installed Riser | | House Number | | Existing Manhole | | TKS-1 | Existing TNB Pole NO. |
| | 48C FOC | | Closure | | Suspension Big | | Existing TNB Pole | | Closure NO. | | P001 | New Pole NO. |
| | 96C FOC | | New Manhole (PIT) | | Suspension Small | | LOOP | | FDP NO. | | FDC NO. | (A) SEE A-A in this page (A) SEE SHEET XXX (A) |
| | 144C FOC | | Installed Pole (7.5M) | | FDC | | FDP Boundary | | | | | |

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