



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 ABA6011 SEKOLAH KEBANGSAAN CHANGKAT LARUT MATANG (D-SIDE))

Company Name : Archway Mapping Services Sdn. Bhd.
Company Address : No 48-1, Jalan TU39A, Ayer Keroh Melaka
Prepared By : Muhammad Adham
Date : 2/12/2024



Starting Point

Site / Boundary Name : CHANGKAT JERING
 Address : SK CHANGKAT LARUT MATANG
 District : LARUT MATANG
 Postcode : 34850
 State : PERAK
 GPS Coordinate : 4.804566, 100.741590
 LRD : A

End Point

Site / Boundary Name : CHANGKAT JERING
 Address : JALAN PAK TEH CHE MAT, PERAK
 District : LARUT MATANG
 Postcode : 34850
 State : PERAK
 GPS Coordinate : 4.798415, 100.738606
 LRD : B



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1.0 WORK SUMMARY

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

| NO | OTHER INFORMATION | UNIT | QUANTITY |
|----|--|------|----------|
| 1 | Installation of Short Span ADSS Fibre Cables | m | 2208 |
| 2 | Install New Pole | ea | 49 |
| 3 | Install New JRC7 Manhole | ea | 0 |
| 4 | Install GI Riser 100mm | m | 0 |
| 5 | Install Fiber Distribution Point | ea | 15 |
| 6 | Install Closure | ea | 3 |
| 7 | Estimated Time Required for Completion | days | 14 |

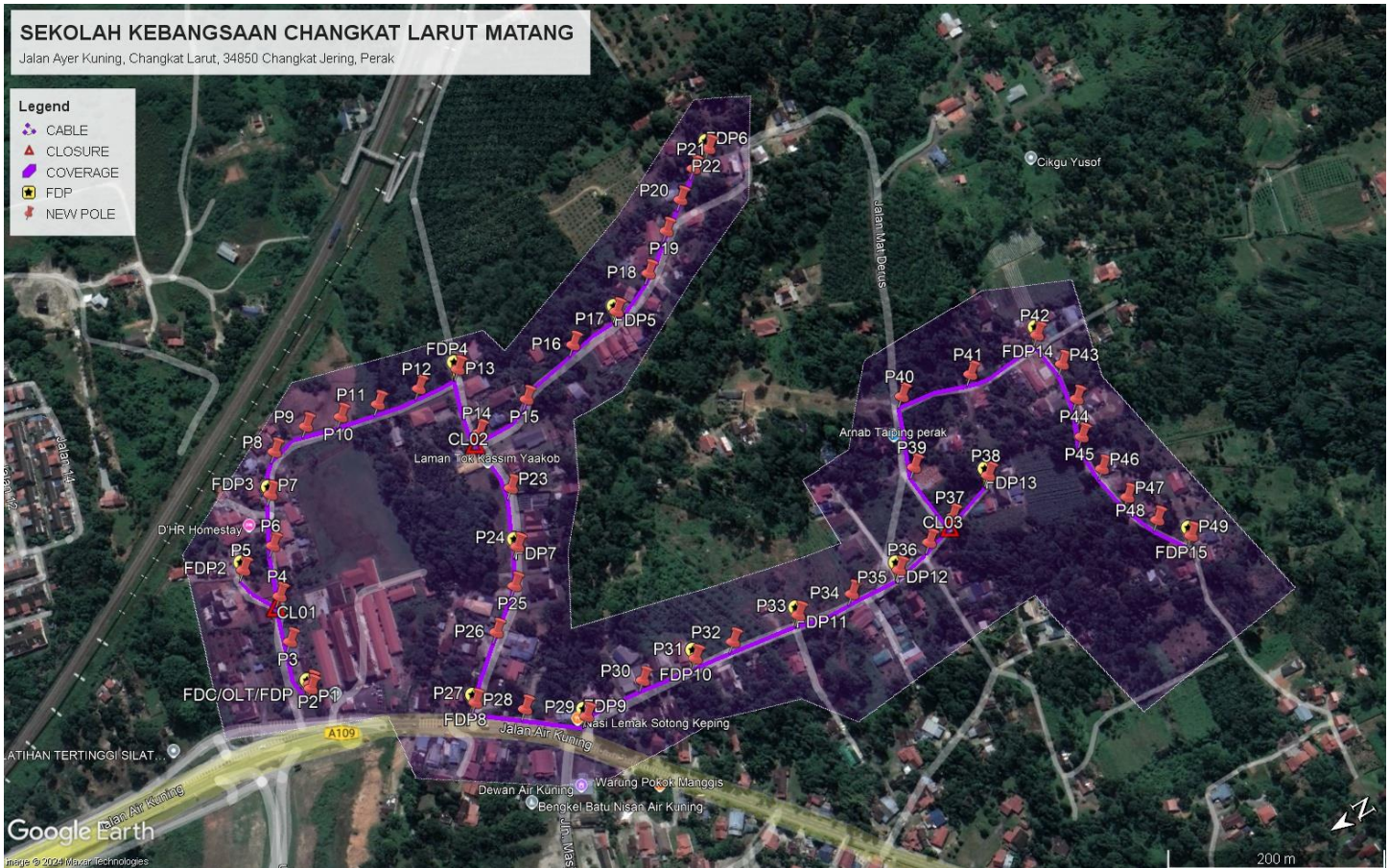
2.0 LOCAL AUTHORITY SUMMARY

Daerah Larut Matang

| Bil | Items | Owner | Quantity | Distance |
|-------|-------------------|-----------------------|----------|----------|
| 1 | HDD | JKR | - | - |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| 2 | New Pole | JKR | 3 | 104m |
| | | Majlis | 46 | 2104m |
| | | Estate / Private Land | - | - |
| 3 | Existing TNB Pole | JKR | - | - |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| Total | | | | 2208m |

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 | T001 | 0 | 4.805370 | 100.741394 | Majlis Daerah Road |
| 2 | T002 | 45 | 4.805354 | 100.741427 | Majlis Daerah Road |
| 3 | T003 | 45 | 4.805318 | 100.741821 | Majlis Daerah Road |
| 4 | T004 | 45 | 4.805202 | 100.742193 | Majlis Daerah Road |
| 5 | T005 | 45 | 4.805350 | 100.742542 | Majlis Daerah Road |
| 6 | T006 | 45 | 4.805034 | 100.742587 | Majlis Daerah Road |
| 7 | T007 | 45 | 4.804835 | 100.742971 | Majlis Daerah Road |
| 8 | T008 | 45 | 4.804624 | 100.743264 | Majlis Daerah Road |
| 9 | T009 | 45 | 4.804289 | 100.743311 | Majlis Daerah Road |
| 10 | T010 | 45 | 4.803998 | 100.743227 | Majlis Daerah Road |
| 11 | T011 | 45 | 4.803673 | 100.743151 | Majlis Daerah Road |
| 12 | T012 | 45 | 4.803309 | 100.743081 | Majlis Daerah Road |
| 13 | T013 | 45 | 4.802943 | 100.743048 | Majlis Daerah Road |
| 14 | T014 | 45 | 4.803068 | 100.742492 | Majlis Daerah Road |
| 15 | T015 | 45 | 4.802580 | 100.742527 | Majlis Daerah Road |
| 16 | T016 | 45 | 4.802005 | 100.742715 | Majlis Daerah Road |
| 17 | T017 | 45 | 4.801544 | 100.742765 | Majlis Daerah Road |
| 18 | T018 | 45 | 4.801143 | 100.742902 | Majlis Daerah Road |
| 19 | T019 | 45 | 4.800824 | 100.743133 | Majlis Daerah Road |
| 20 | T020 | 45 | 4.800581 | 100.743300 | Majlis Daerah Road |
| 21 | T021 | 45 | 4.800347 | 100.743471 | Majlis Daerah Road |
| 22 | T022 | 45 | 4.800146 | 100.743551 | Majlis Daerah Road |
| 23 | T023 | 45 | 4.803080 | 100.741952 | Majlis Daerah Road |
| 24 | T024 | 45 | 4.803288 | 100.741502 | Majlis Daerah Road |
| 25 | T025 | 45 | 4.803478 | 100.741233 | Majlis Daerah Road |
| 26 | T026 | 45 | 4.803809 | 100.740981 | Majlis Daerah Road |
| 27 | T027 | 45 | 4.804259 | 100.740572 | JKR Road |
| 28 | T028 | 45 | 4.803932 | 100.740308 | JKR Road |
| 29 | T029 | 45 | 4.803525 | 100.739986 | JKR Road |
| 30 | T030 | 45 | 4.802971 | 100.739995 | Majlis Daerah Road |
| 31 | T031 | 45 | 4.802501 | 100.739920 | Majlis Daerah Road |
| 32 | T032 | 45 | 4.802160 | 100.739872 | Majlis Daerah Road |
| 33 | T033 | 45 | 4.801578 | 100.739778 | Majlis Daerah Road |
| 34 | T034 | 45 | 4.801104 | 100.739695 | Majlis Daerah Road |
| 35 | T035 | 45 | 4.800658 | 100.739652 | Majlis Daerah Road |
| 36 | T036 | 45 | 4.800320 | 100.739715 | Majlis Daerah Road |
| 37 | T037 | 45 | 4.800043 | 100.739792 | Majlis Daerah Road |
| 38 | T038 | 45 | 4.799601 | 100.739932 | Majlis Daerah Road |
| 39 | T039 | 45 | 4.800094 | 100.740318 | Majlis Daerah Road |

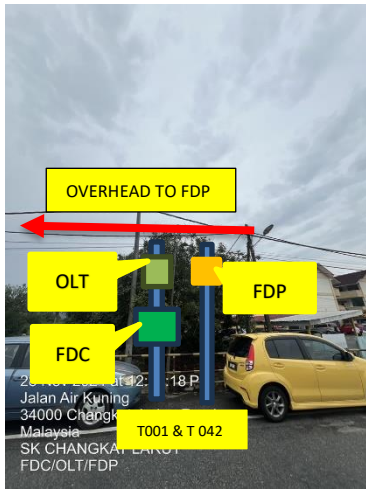


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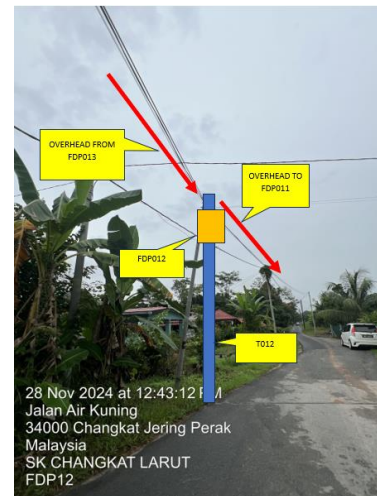
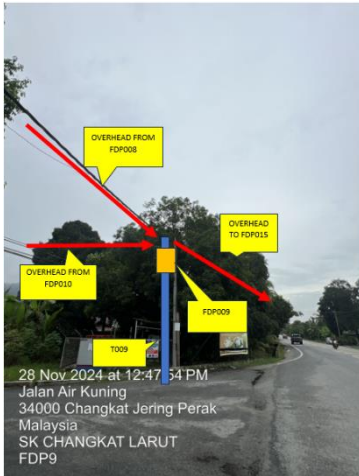


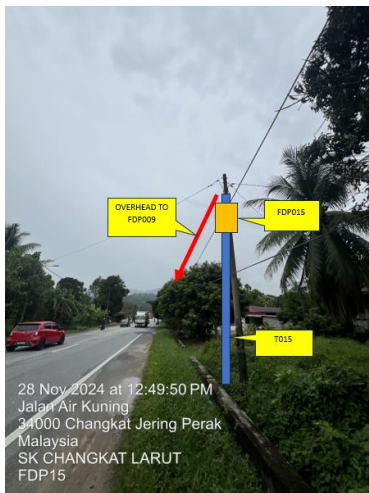
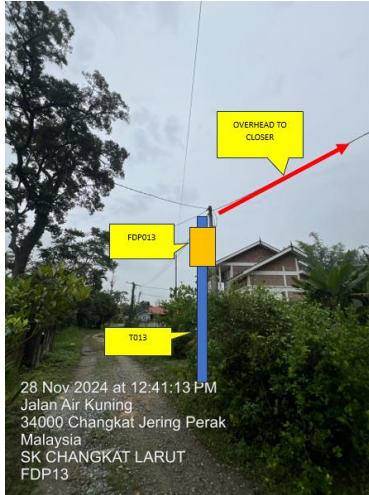
| | | | | | |
|----|------|----|----------|------------|--------------------|
| 40 | T040 | 45 | 4.799868 | 100.740882 | Majlis Daerah Road |
| 41 | T041 | 45 | 4.799274 | 100.740736 | Majlis Daerah Road |
| 42 | T042 | 45 | 4.798612 | 100.740723 | Majlis Daerah Road |
| 43 | T043 | 45 | 4.798567 | 100.740403 | Majlis Daerah Road |
| 44 | T044 | 45 | 4.798619 | 100.740088 | Majlis Daerah Road |
| 45 | T045 | 45 | 4.798755 | 100.739796 | Majlis Daerah Road |
| 46 | T046 | 45 | 4.798755 | 100.739478 | Majlis Daerah Road |
| 47 | T047 | 45 | 4.798701 | 100.739164 | Majlis Daerah Road |
| 48 | T048 | 45 | 4.798587 | 100.738870 | Majlis Daerah Road |
| 49 | T049 | 45 | 4.798415 | 100.738606 | Majlis Daerah Road |

5.0 SITE PHOTOS - PROPOSED NEW POLE









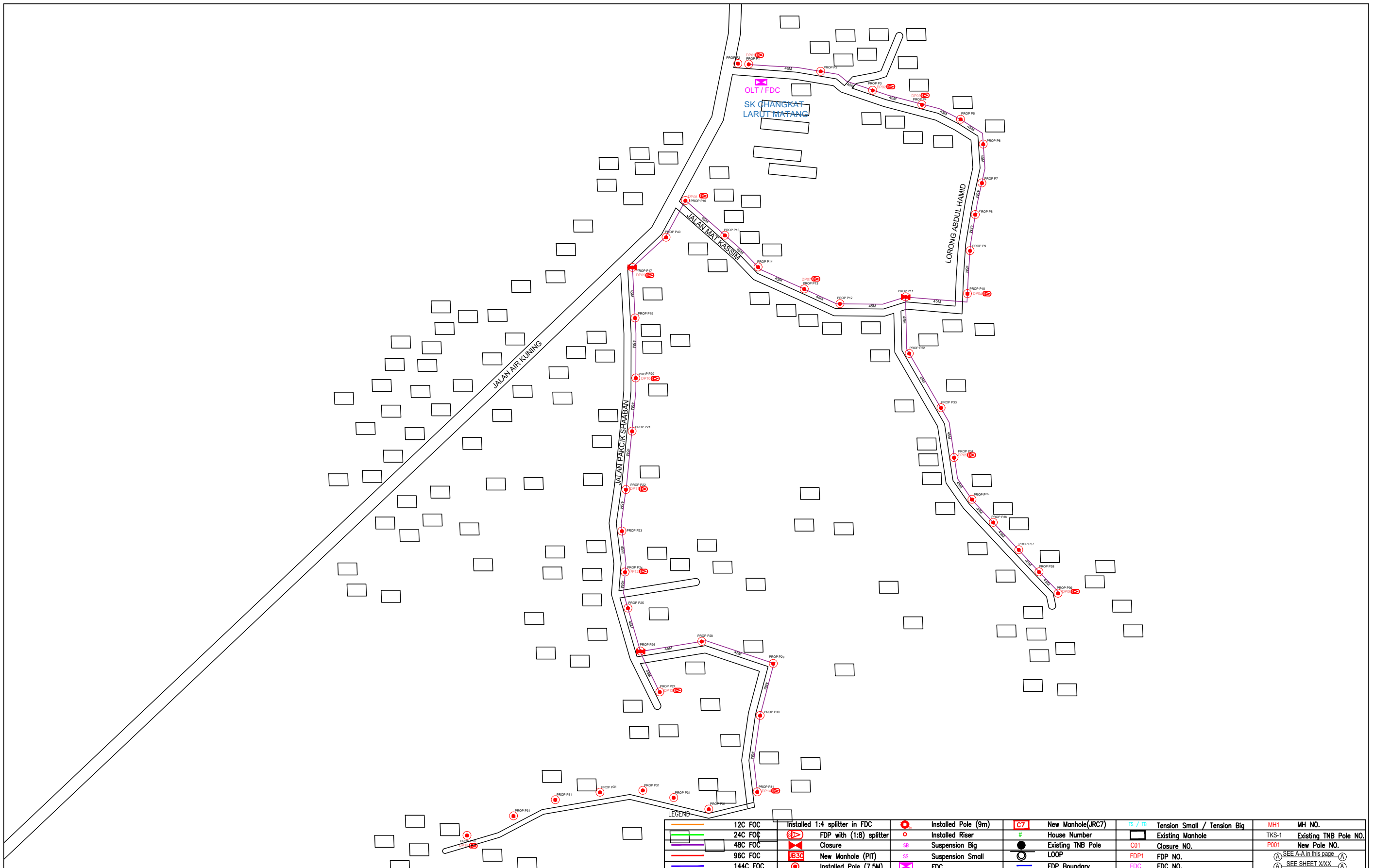


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6.0 3rd PARTIES DEPENDENCIES

| NO | LOCAL COUNCIL / AUTHORITY | REMARK |
|----|----------------------------|--------|
| 1 | Majlis Daerah Larut Matang | 2208m |



| | | | | | | | |
|----------|-------------------------------|---------------------|-------------------|-----------------------------|-------------|-----------------------|---------------|
| 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 | C01 | Closure NO. | P001 | New Pole NO. |
| 96C FOC | New Manhole (PIT) | Suspension Small | LOOP | FDP1 | FDP NO. | SEE A-A in this page | SEE SHEET XXX |
| 144C FOC | Installed Pole (7.5M) | FDC | FDP Boundary | FDC | FDC NO. | | |

KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR



APPEX COMMUNICATIONS SDN BHD
181473-V



PRIVASAT

SUB-CONTRACTOR :



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

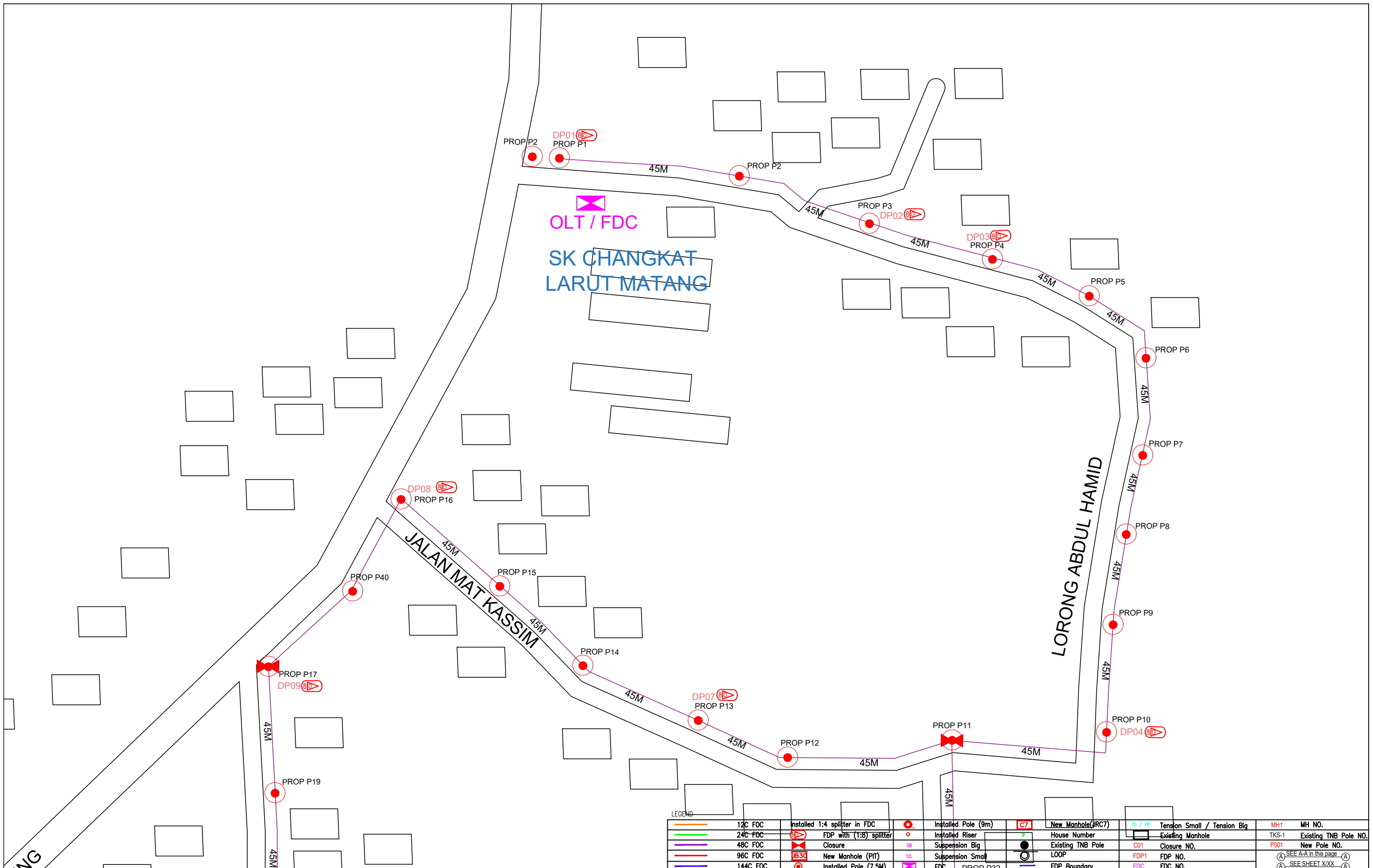
Tel: 606-233 9165 Fax: 606-233 9162
Email : info@archwaymalaysia.com
Website : www.archwaymalaysia.com

PROJECT TITLE:
PROPOSAL FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SK CHANGKAT LARUT MATANG) TO PREMISES PASS AREA

DRAWING TITLE:
SK CHANGKAT LARUT MATANG

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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| LEGEND | | | | | | | | | |
|--------|----------|--|-------------------------------|--|---------------------|--|--------------------|--|-------------------------------------|
| | 12C FOC | | Installed 1:4 splitter in FDC | | Installed Pole (9m) | | New Manhole (JRC7) | | TS / TB Tension Small / Tension Big |
| | 24C FOC | | FDP with (1:8) splitter | | Installed Riser | | House Number | | Existing Manhole |
| | 48C FOC | | Closure | | Suspension Big | | Existing TNB Pole | | C01 Closure NO. |
| | 96C FOC | | New Manhole (PIT) | | Suspension Small | | LOOP | | FDP1 FDP NO. |
| | 144C FOC | | Installed Pole (7.5M) | | FDP PROP P32 | | FDP Boundary | | FDC FDC NO. |

KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR



APEX COMMUNICATIONS SDN BHD



PRIVASAT

SUB-CONTRACTOR :



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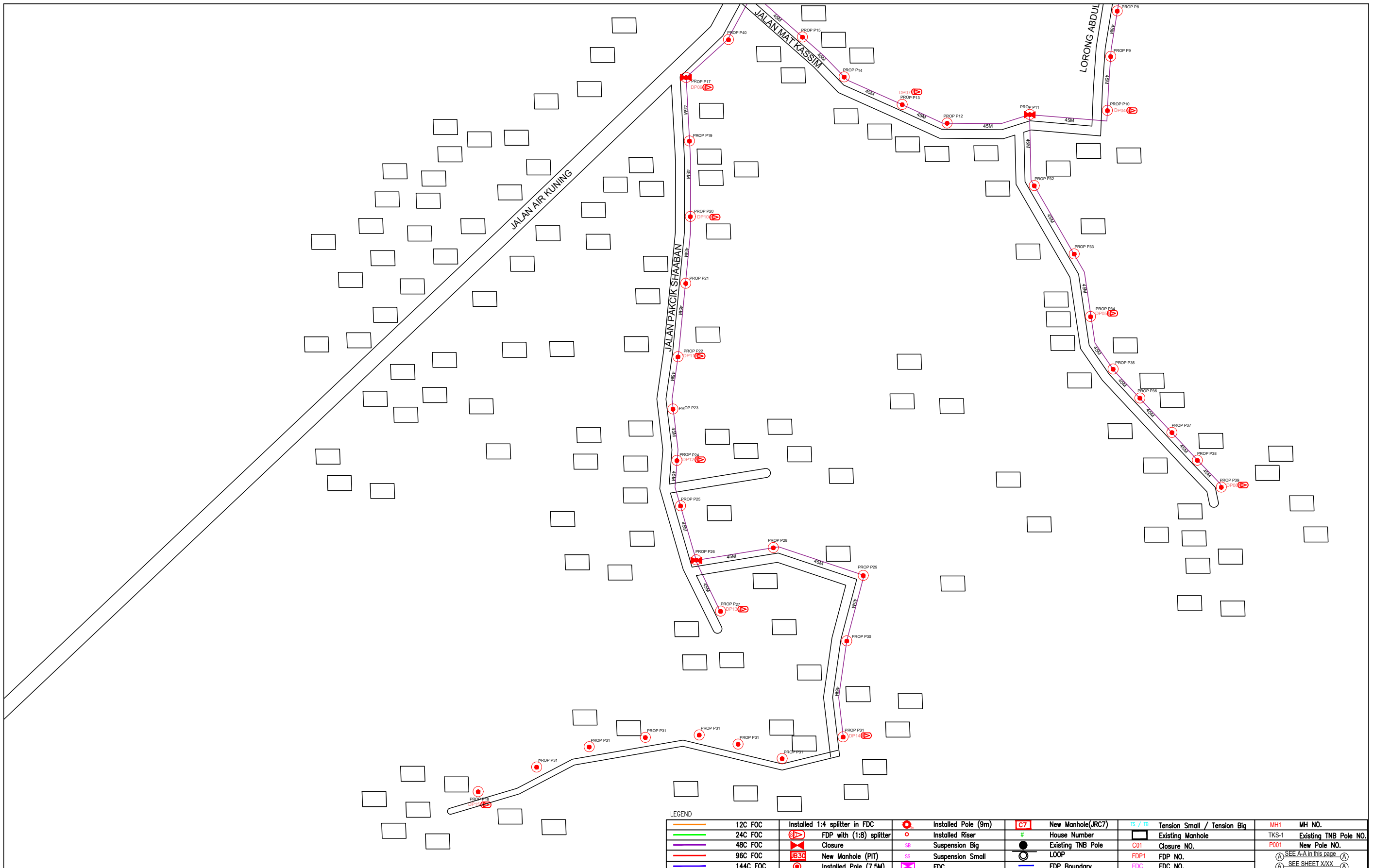
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| LEGEND | |
|--------|-------------------------------|
| | 12C FOC |
| | 24C FOC |
| | 48C FOC |
| | 96C FOC |
| | 144C FOC |
| | Installed 1:4 splitter in FDC |
| | FDP with (1:8) splitter |
| | Closure |
| | New Manhole (PIT) |
| | Installed Pole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

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KEMENTERIAN KOMUNIKASI DAN DIGITAL

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181475-W



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