

## TECHNICAL PROPOSAL (POP2 ABA6040 SEKOLAH KEBANGSAAN RANTAU PANJANG (D-SIDE))

**Company Name** : Archway Mapping Services Sdn. Bhd.  
**Company Address** : No 48-1, Jalan TU39A, Ayer Keroh Melaka  
**Prepared By** : Muhammad Adham  
**Date** : 13/03/2025



### Starting Point

**Site / Boundary Name** : RANTAU PANJANG  
**Address** : SK RANTAU PANJANG  
**District** : SELAMA  
**Postcode** : 34140  
**State** : PERAK  
**GPS Coordinate** : 5.238525,100.729406  
**LRD** : A

### End Point

**Site / Boundary Name** : RANTAU PANJANG  
**Address** : A115, KG MASJID, PERAK  
**District** : SELAMA  
**Postcode** : 34140  
**State** : PERAK  
**GPS Coordinate** : 5.244636, 100.736461  
**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))



## 1.0 WORK SUMMARY

| NO    | PROPOSED DISTANCE AND METHOD          | UNIT | QUANTITY |
|-------|---------------------------------------|------|----------|
| 1     | Horizontal Directional Drilling (HDD) | m    | 80       |
| 2     | Carriage Way Open Trench (CW)         | m    | 0        |
| 3     | Grass Verge Open Trenching (GV)       | m    | 6        |
| 4     | Micro Trenching (MT)                  | m    | 0        |
| Total |                                       |      | 86       |

| NO | OTHER INFORMATION                            | UNIT | QUANTITY |
|----|--|------|----------|
| 1  | Installation of Short Span ADSS Fibre Cables | m    | 1877     |
| 2  | Install New Pole                             | ea   | 50       |
| 3  | Install New JRC7 Manhole                     | ea   | 2        |
| 4  | Install GI Riser 100mm                       | m    | 12       |
| 5  | Install Fiber Distribution Point             | ea   | 13       |
| 6  | Install Closure                              | ea   | 4        |
| 7  | Estimated Time Required for Completion       | days | 21       |

## 2.0 LOCAL AUTHORITY SUMMARY

Daerah Selama

| Bil   | Items             | Owner                 | Quantity | Distance |
|-------|-------------------|-----------------------|----------|----------|
| 1     | HDD               | JKR                   | 1        | 86m      |
|       |                   | Majlis                | -        | -        |
|       |                   | Estate / Private Land | -        | -        |
| 2     | New Pole          | JKR                   | 20       | 803m     |
|       |                   | Majlis                | 30       | 988m     |
|       |                   | Estate / Private Land | -        | -        |
| 3     | Existing TNB Pole | JKR                   | -        | -        |
|       |                   | Majlis                | -        | -        |
|       |                   | Estate / Private Land | -        | -        |
| Total |                   |                       |          | 1877m    |

### 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 (Pole 9M) | 0            | 5.238525 | 100.729406 | Majlis Daerah Road |
| 2                            | T002           | 35           | 5.238545 | 100.729418 | Majlis Daerah Road |
| 3                            | T003           | 35           | 5.238841 | 100.729536 | Majlis Daerah Road |
| 4                            | T004           | 35           | 5.239141 | 100.729653 | Majlis Daerah Road |
| 5                            | T005           | 35           | 5.239317 | 100.729717 | Majlis Daerah Road |
| 6                            | T006           | 35           | 5.239576 | 100.729748 | JKR Road           |
| 7                            | T007           | 35           | 5.239733 | 100.730017 | JKR Road           |
| 8                            | T008 (Pole 9M) | 35           | 5.239487 | 100.730279 | Majlis Daerah Road |
| 9                            | T009 (Pole 9M) | 35           | 5.239186 | 100.730454 | Majlis Daerah Road |
| 10                           | T010 (Pole 9M) | 35           | 5.239006 | 100.730657 | Majlis Daerah Road |
| 11                           | T011           | 35           | 5.238868 | 100.730900 | Majlis Daerah Road |
| 12                           | T012           | 35           | 5.238918 | 100.730272 | Majlis Daerah Road |
| 13                           | T013 (Pole 9M) | 35           | 5.238636 | 100.730171 | Majlis Daerah Road |
| 14                           | T014 (Pole 9M) | 35           | 5.238486 | 100.730455 | Majlis Daerah Road |
| 15                           | T015           | 35           | 5.238327 | 100.730723 | Majlis Daerah Road |
| 16                           | T016           | 35           | 5.238299 | 100.730057 | Majlis Daerah Road |
| 17                           | T017           | 35           | 5.238136 | 100.730332 | Majlis Daerah Road |
| 18                           | T018           | 35           | 5.237987 | 100.730606 | Majlis Daerah Road |
| 19                           | T019 (Pole 9M) | 35           | 5.239686 | 100.730503 | Majlis Daerah Road |
| 20                           | T020           | 35           | 5.239888 | 100.730730 | Majlis Daerah Road |
| 21                           | T021           | 35           | 5.239726 | 100.731066 | Majlis Daerah Road |
| 22                           | T022           | 35           | 5.239589 | 100.731406 | Majlis Daerah Road |
| 23                           | T023           | 35           | 5.239479 | 100.731694 | Majlis Daerah Road |
| 24                           | T024           | 35           | 5.239776 | 100.731798 | Majlis Daerah Road |
| 25                           | T025           | 35           | 5.239985 | 100.731882 | Majlis Daerah Road |
| 26                           | T026 (Pole 9M) | 35           | 5.240143 | 100.731596 | Majlis Daerah Road |
| 27                           | T027 (Pole 9M) | 35           | 5.240329 | 100.731416 | Majlis Daerah Road |
| 28                           | T028 (Pole 9M) | 35           | 5.240719 | 100.730869 | JKR Road           |
| 29                           | T029 (Pole 9M) | 35           | 5.240949 | 100.730605 | Majlis Daerah Road |
| 30                           | T030           | 35           | 5.240756 | 100.730402 | Majlis Daerah Road |
| 31                           | T031 (Pole 9M) | 35           | 5.240551 | 100.730181 | Majlis Daerah Road |
| 32                           | T032 (Pole 9M) | 35           | 5.240350 | 100.739968 | Majlis Daerah Road |
| 33                           | T033           | 35           | 5.240113 | 100.729726 | Majlis Daerah Road |
| 34                           | T034           | 45           | 5.240993 | 100.731176 | JKR Road           |
| 35                           | T035           | 45           | 5.241301 | 100.731445 | JKR Road           |
| 36                           | T036           | 45           | 5.241608 | 100.731704 | JKR Road           |
| 37                           | T037           | 45           | 5.241875 | 100.732016 | JKR Road           |
| 38                           | T038           | 45           | 5.242073 | 100.732381 | JKR Road           |



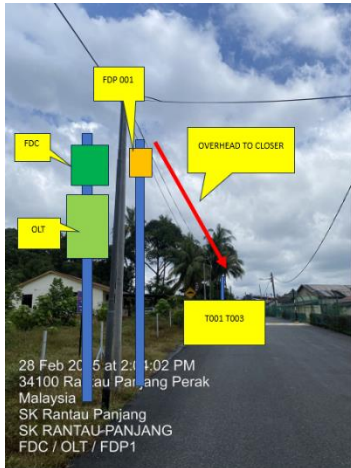
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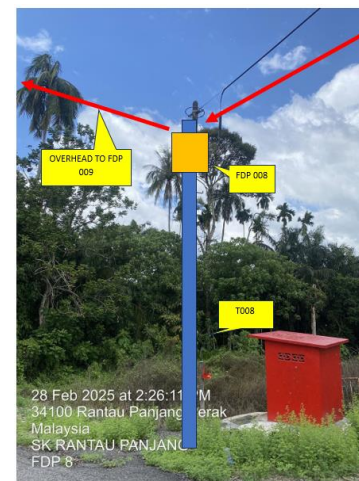
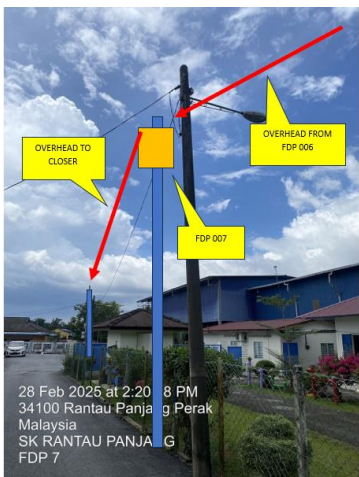
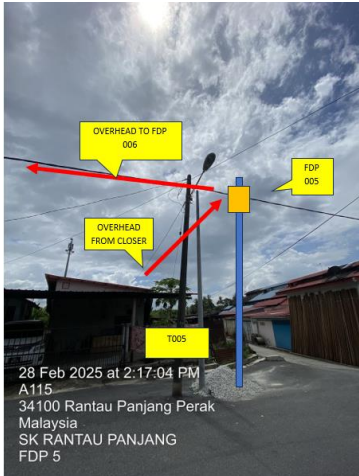


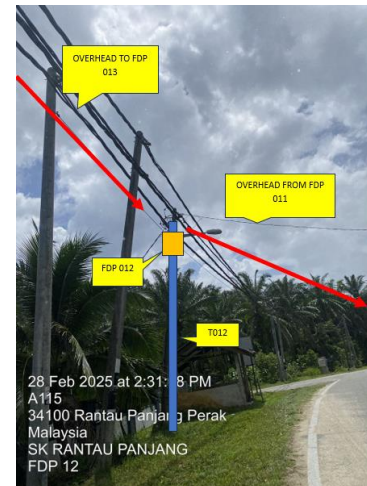
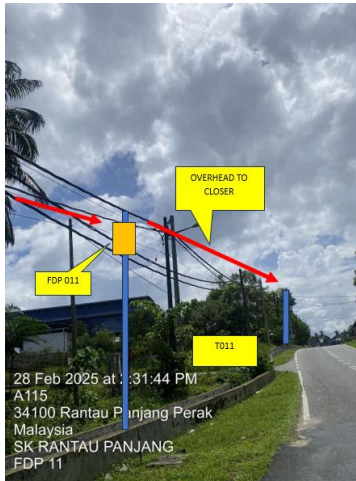
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|----|----------------|----|----------|------------|----------|
| 39 | T039           | 45 | 5.242243 | 100.732753 | JKR Road |
| 40 | T040           | 45 | 5.242376 | 100.733127 | JKR Road |
| 41 | T041 (Pole 9M) | 45 | 5.242512 | 100.733521 | JKR Road |
| 42 | T042 (Pole 9M) | 45 | 5.242688 | 100.733898 | JKR Road |
| 43 | T043           | 45 | 5.242964 | 100.734191 | JKR Road |
| 44 | T044           | 45 | 5.243257 | 100.734477 | JKR Road |
| 45 | T045           | 45 | 5.243522 | 100.734774 | JKR Road |
| 46 | T046           | 45 | 5.243725 | 100.735131 | JKR Road |
| 47 | T047           | 45 | 5.243929 | 100.735483 | JKR Road |
| 48 | T048           | 45 | 5.244119 | 100.735841 | JKR Road |
| 49 | T049           | 45 | 5.244335 | 100.736188 | JKR Road |
| 50 | T050           | 45 | 5.244636 | 100.736461 | JKR Road |

| BIL | TYPE       | 7.5m | 9m | TOTAL |
|-----|------------|------|----|-------|
| 1   | No of Pole | 35   | 15 | 50    |

5.0 SITE PHOTOS - PROPOSED NEW POLE









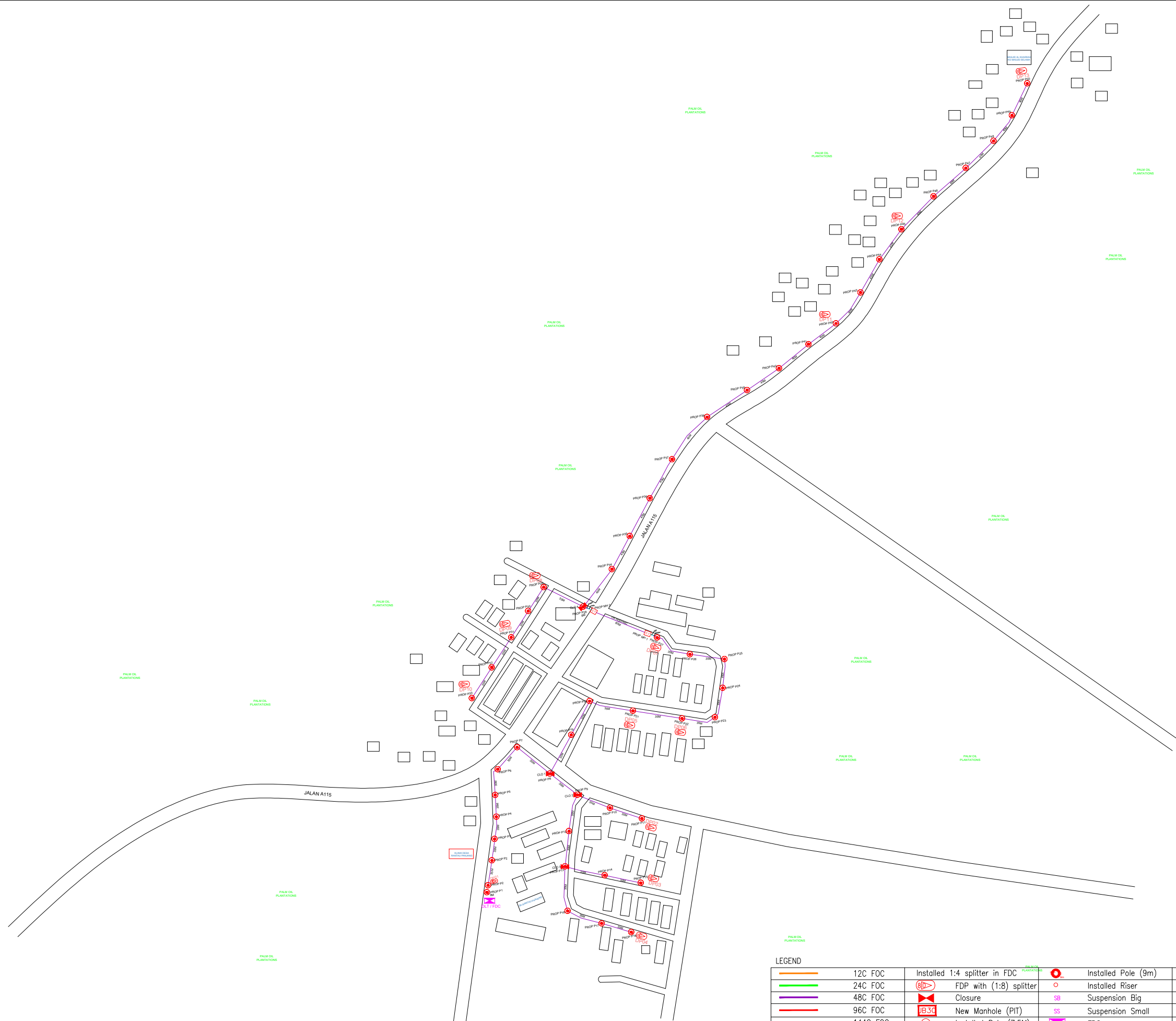


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## 6.0 3<sup>rd</sup> PARTIES DEPENDENCIES

| NO | LOCAL COUNCIL / AUTHORITY | REMARK |
|----|---------------------------|--------|
| 1  | Majlis Daerah Selama      | 1877m  |




KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR



APEX 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 (SK RANTAU PANJANG) TO PREMISES PASS AREA

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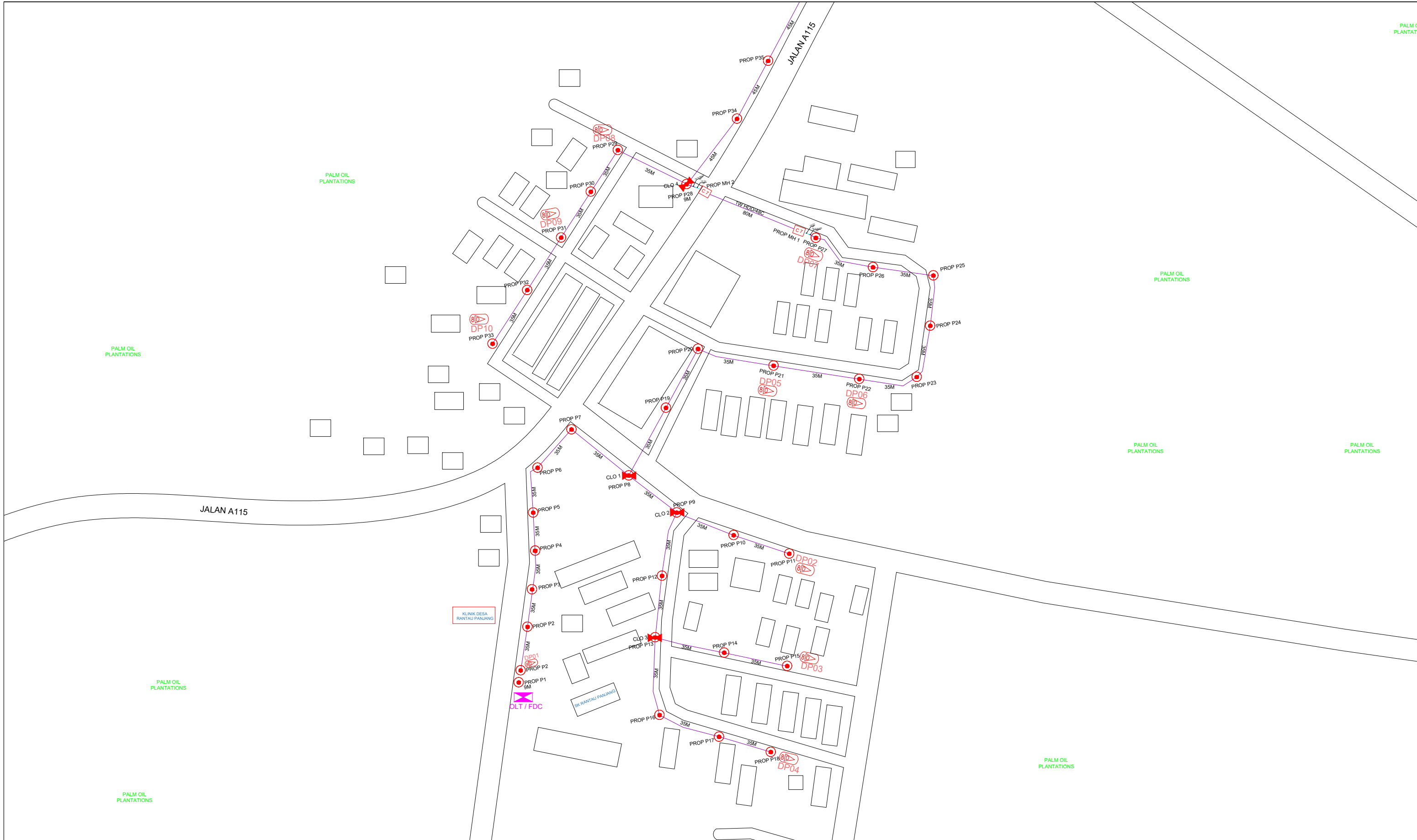
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PROJECT PHASE:

PROJECT PHASE

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| LEGEND |                                     |
|--------|-------------------------------------|
|        | 12C FOC                             |
|        | 24C FOC                             |
|        | 48C FOC                             |
|        | 96C FOC                             |
|        | 144C FOC                            |
|        | Installed Pole (9m)                 |
|        | 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                        |
|        | TS / TB Tension Small / Tension Big |
|        | Existing Manhole                    |
|        | Closure NO.                         |
|        | FDP NO.                             |
|        | FDC NO.                             |
|        | MH1 MH NO.                          |
|        | TKS-1 Existing TNB Pole NO.         |
|        | P001 New Pole NO.                   |
|        | SEE A-A in this page                |
|        | SEE SHEET X/XX                      |

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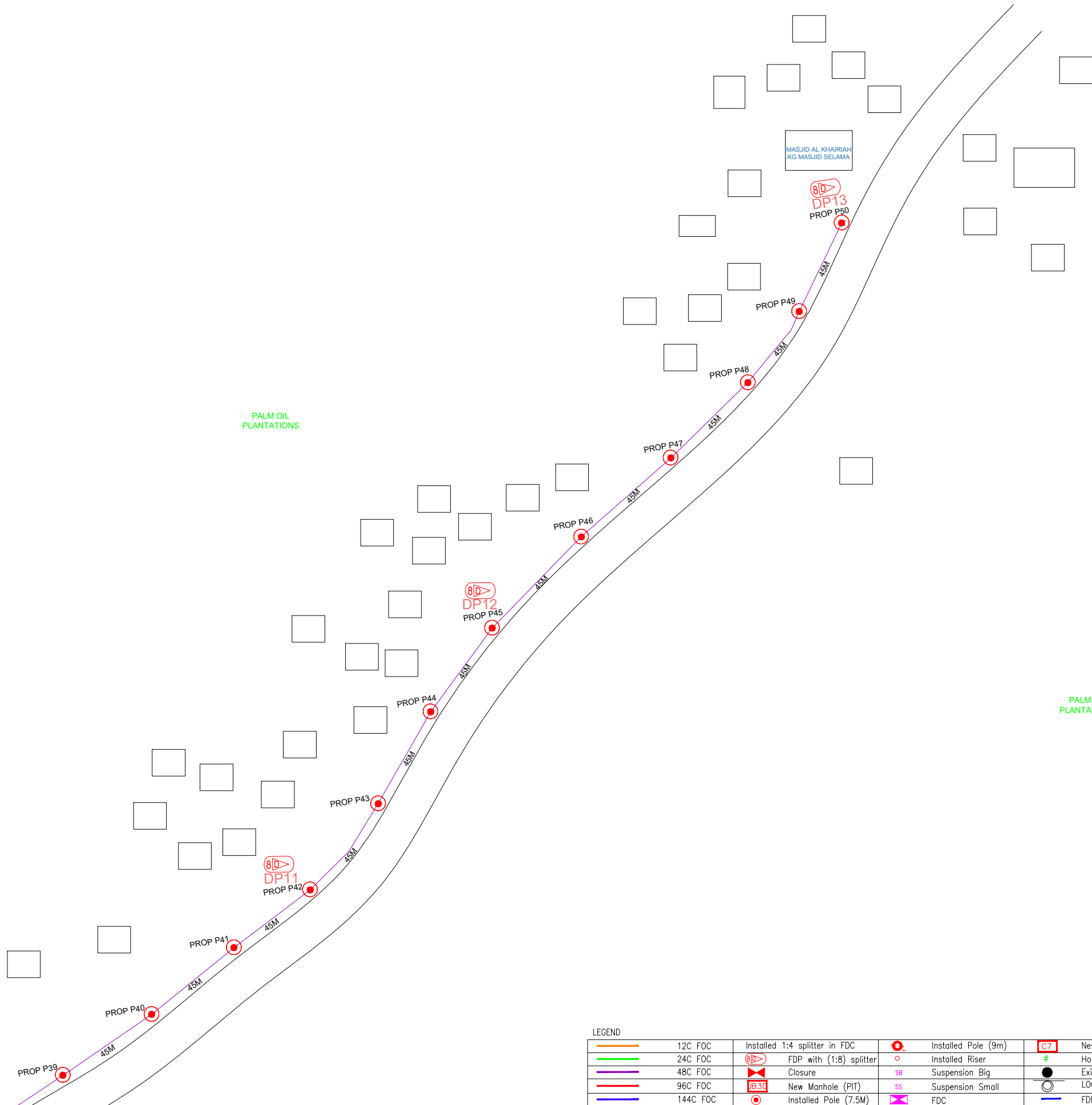
PALM OIL PLANTATIONS

PALM OIL PLANTATIONS

PALM OIL PLANTATIONS

PALM OIL PLANTATIONS

MASJID AL KHAIRIAH  
KG MASJID SELAMA



LEGEND

|          |                               |                     |                   |                   |                  |                              |                       |        |
|----------|-------------------------------|---------------------|-------------------|-------------------|------------------|------------------------------|-----------------------|--------|
| 12C FOC  | Installed 1:4 splitter in FDC | Installed Pole (9m) | C7                | New Manhole(JRC7) | TS / TB          | 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.          | (A) SEE A-A in this page (A) |                       |        |
| 144C FOC | Installed Pole (7.5M)         | FDC                 | FDP Boundary      | FDC               | FDC NO.          | (A) SEE SHEET XXX (A)        |                       |        |

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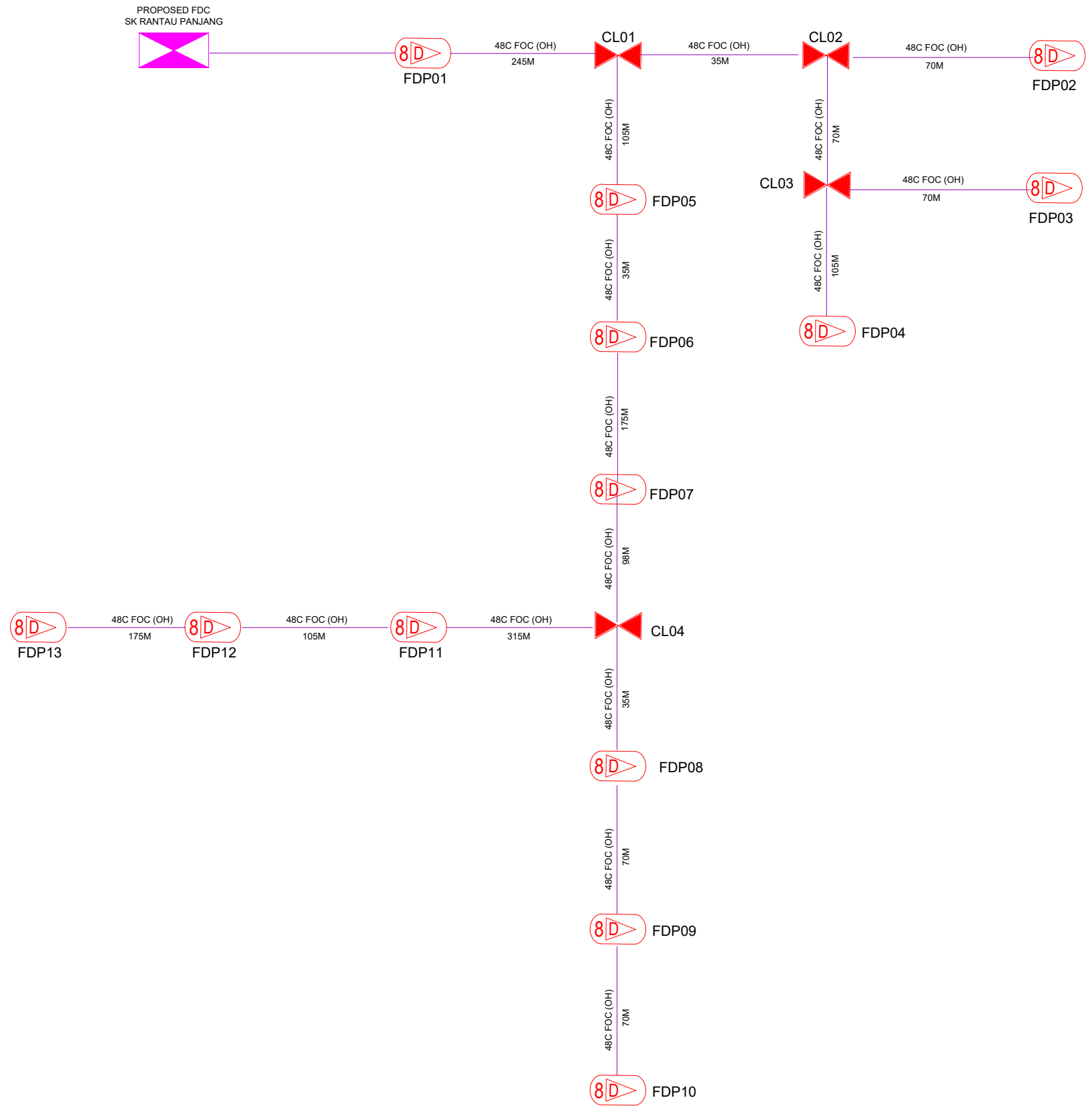
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LEGEND

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

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DRAWING TITLE:

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PROJECT PHASE:

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