

TECHNICAL PROPOSAL (POP2 ABC1046 SEKOLAH JENIS KEBANGSAAN (CINA) HWA LIAN 1 (D-SIDE))

Company Name : SBS SAMIDA SDN. BHD.
Company Address : 219, BLOCK 3, LAMA SERI BUSINESS PARK, PERSIARAN SUKAN, SECTION 13, 40100, SHAH ALAM, SELANGOR.
Prepared By : Muhammad Adham
Date : 02/01/2026



Starting Point

Site / Boundary Name : MANJUNG
Address : SJKC HWA LIAN 1
District : PULAU PANGKOR
Postcode : 32300
State : PERAK
GPS Coordinate : 4.212229, 100.561945
LRD : A

End Point

Site / Boundary Name : MANJUNG
Address : SG PINANG BESAR
District : PULAU PANGKOR
Postcode : 32300
State : PERAK
GPS Coordinate : 4.210749, 100.564001
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 | 0 |
| 2 | Carriage Way Open Trench (CW) | m | 0 |
| 3 | Grass Verge Open Trenching (GV) | m | 0 |
| 4 | Micro Trenching (MT) | m | 0 |
| Total | | | |

| NO | OTHER INFORMATION | UNIT | QUANTITY |
|----|--|------|----------|
| 1 | Installation of Short Span ADSS Fibre Cables | m | 1200 |
| 2 | Install New Pole | ea | 44 |
| 3 | Install New JRC7 Manhole | ea | 0 |
| 4 | Install GI Riser 100mm | m | 0 |
| 5 | Install Fiber Distribution Point | ea | 13 |
| 6 | Install Closure | ea | 2 |
| 7 | Estimated Time Required for Completion | days | 31 |

2.0 LOCAL AUTHORITY SUMMARY

Daerah MANJUNG

| Bil | Items | Owner | Quantity | Distance |
|-------|-------------------|-----------------------|----------|----------|
| 1 | HDD | JKR | - | - |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| 2 | New Pole | JKR | 17 | 430m |
| | | Majlis | 27 | 770m |
| | | Estate / Private Land | - | - |
| 3 | Existing TNB Pole | JKR | - | - |
| | | Majlis | - | - |
| | | Estate / Private Land | - | - |
| Total | | | | 1200m |

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/PDT

Road

4.0 PROPOSED NEW POLE FDP

| Proposed New Pole Coordinate | | | | | |
|------------------------------|-------------|--------------|----------|------------|-----------------|
| No. | Pole Number | Distance (m) | Latitude | Longitude | Local Authority |
| 1 | T000 (9m) | 0 | 4.212231 | 100.561945 | JKR Road |
| 2 | T001 | 35 | 4.212239 | 100.561955 | JKR Road |
| 3 | T002 (9m) | 35 | 4.212107 | 100.562037 | JKR Road |
| 4 | T003 | 35 | 4.211951 | 100.561817 | JKR Road |
| 5 | T004 | 35 | 4.211780 | 100.561607 | JKR Road |
| 6 | T005 | 35 | 4.211608 | 100.561399 | JKR Road |
| 7 | T006 | 35 | 4.211423 | 100.561186 | JKR Road |
| 8 | T007 | 35 | 4.211249 | 100.560948 | Majlis/PDT Road |
| 9 | T008 | 35 | 4.210977 | 100.561002 | Majlis/PDT Road |
| 10 | T009 | 35 | 4.210732 | 100.561117 | Majlis/PDT Road |
| 11 | T010 | 35 | 4.210484 | 100.561228 | Majlis/PDT Road |
| 12 | T011 | 35 | 4.210258 | 100.561314 | Majlis/PDT Road |
| 13 | T012 | 35 | 4.210070 | 100.561187 | Majlis/PDT Road |
| 14 | T013 | 35 | 4.209817 | 100.561280 | Majlis/PDT Road |
| 15 | T014 | 35 | 4.209558 | 100.561374 | Majlis/PDT Road |
| 16 | T015 | 35 | 4.212176 | 100.562169 | JKR Road |
| 17 | T016 | 35 | 4.212186 | 100.562311 | JKR Road |
| 18 | T017 | 35 | 4.211869 | 100.562356 | Majlis/PDT Road |
| 19 | T018 | 35 | 4.211607 | 100.562396 | Majlis/PDT Road |
| 20 | T019 | 35 | 4.211596 | 100.562553 | Majlis/PDT Road |
| 21 | T020 | 35 | 4.211579 | 100.562844 | Majlis/PDT Road |
| 22 | T021 | 35 | 4.211552 | 100.563087 | Majlis/PDT Road |
| 23 | T022 | 35 | 4.211532 | 100.563334 | Majlis/PDT Road |
| 24 | T023 | 35 | 4.211365 | 100.562437 | Majlis/PDT Road |
| 25 | T024 | 35 | 4.211109 | 100.562474 | Majlis/PDT Road |
| 26 | T025 | 35 | 4.211092 | 100.562587 | Majlis/PDT Road |
| 27 | T026 | 35 | 4.211056 | 100.562832 | Majlis/PDT Road |
| 28 | T027 | 35 | 4.211034 | 100.563018 | Majlis/PDT Road |
| 29 | T028 | 35 | 4.210997 | 100.563236 | Majlis/PDT Road |
| 30 | T029 | 35 | 4.212214 | 100.562625 | JKR Road |
| 31 | T030 | 35 | 4.212192 | 100.562948 | JKR Road |
| 32 | T031 | 35 | 4.212153 | 100.563255 | JKR Road |
| 33 | T032 | 35 | 4.212113 | 100.563563 | JKR Road |
| 34 | T033 | 35 | 4.212058 | 100.563874 | JKR Road |
| 35 | T034 | 35 | 4.212030 | 100.564193 | JKR Road |
| 36 | T035 | 35 | 4.211994 | 100.564455 | JKR Road |
| 37 | T036 | 35 | 4.211723 | 100.564435 | Majlis/PDT Road |
| 38 | T037 | 35 | 4.211454 | 100.564414 | Majlis/PDT Road |
| 39 | T038 | 35 | 4.211261 | 100.564392 | Majlis/PDT Road |

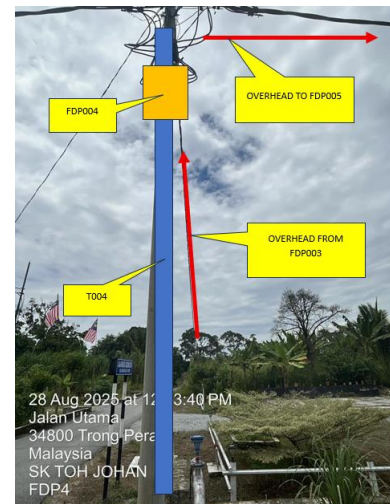
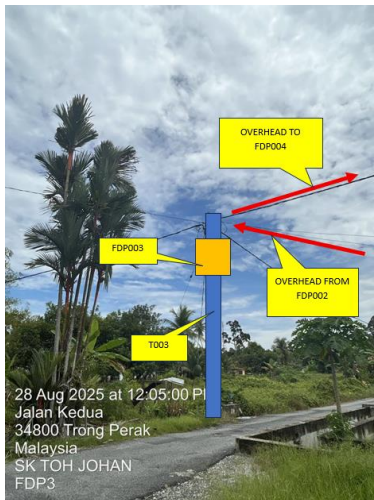
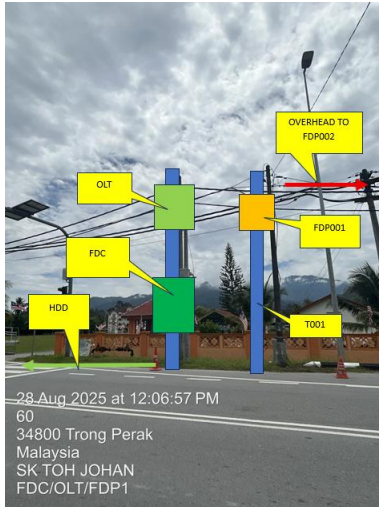


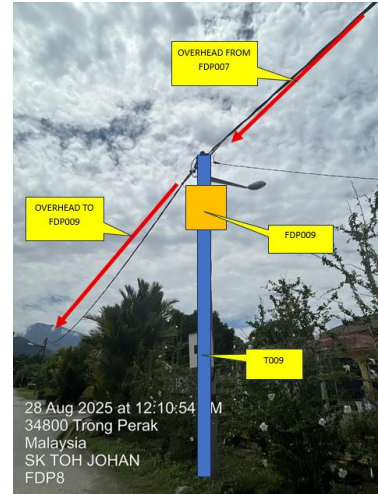
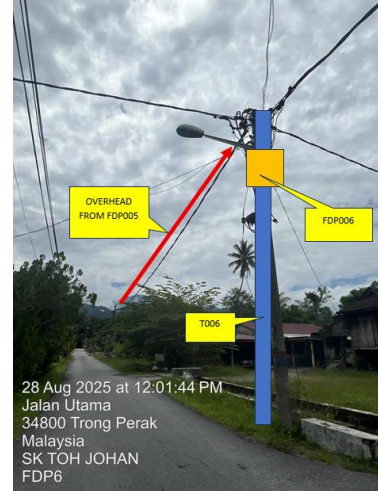
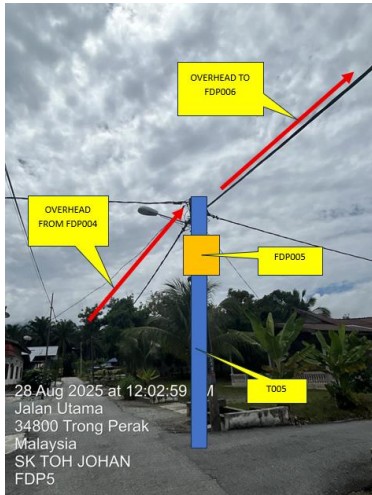
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
 FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN
 SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI
 SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA
 (KKMM.400-11/17/132(1))

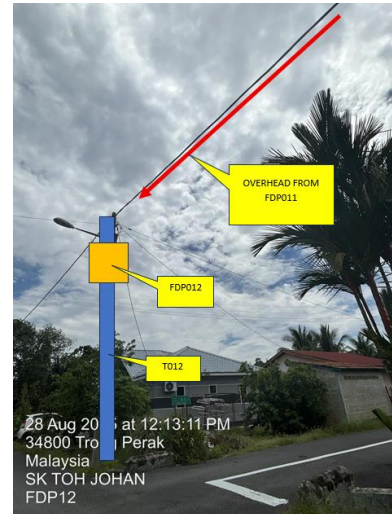
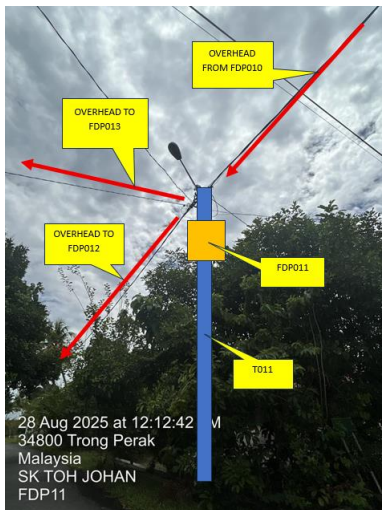
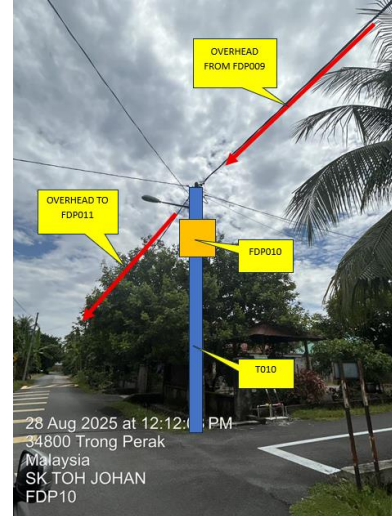
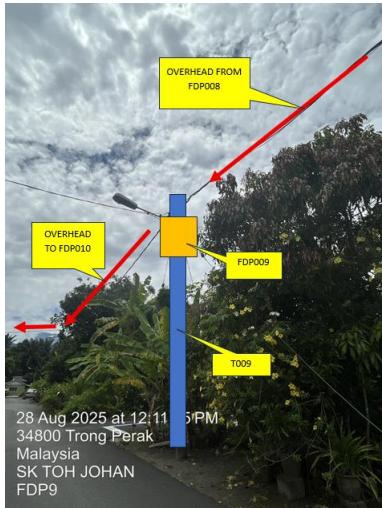


| | | | | | |
|------------|-------------|----|-------------|------------|-----------------|
| 40 | T039 | 35 | 4.211295 | 100.564195 | Majlis/PDT Road |
| 41 | T040 | 35 | 4.211401 | 100.563854 | Majlis/PDT Road |
| 42 | T041 | 35 | 4.211199 | 100.563694 | Majlis/PDT Road |
| 43 | T042 | 35 | 4.210973 | 100.563851 | Majlis/PDT Road |
| 44 | T043 | 35 | 4.210756 | 100.564001 | Majlis/PDT Road |
| BIL | TYPE | | 7.5m | 9m | TOTAL |
| 1 | No of Pole | | 42 | 2 | 44 |

5.0 SITE PHOTOS - PROPOSED NEW POLE

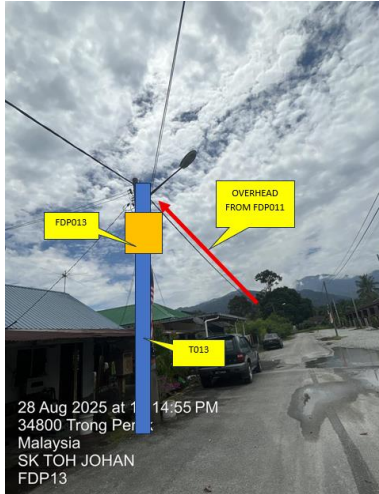








PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN
SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI
SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA
(KKMM.400-11/17/132(1))



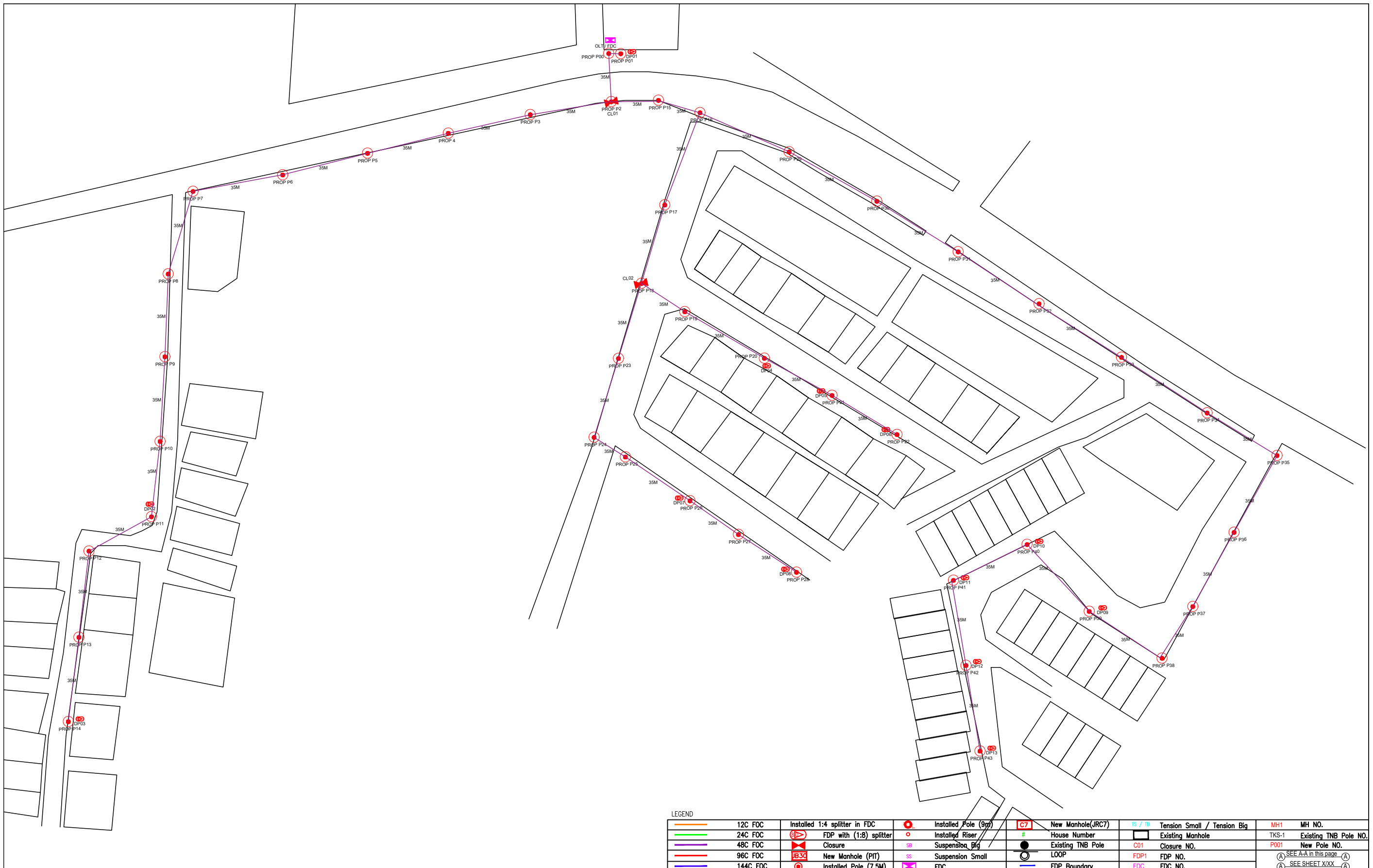


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN
SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI
SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA
(KKMM.400-11/17/132(1))

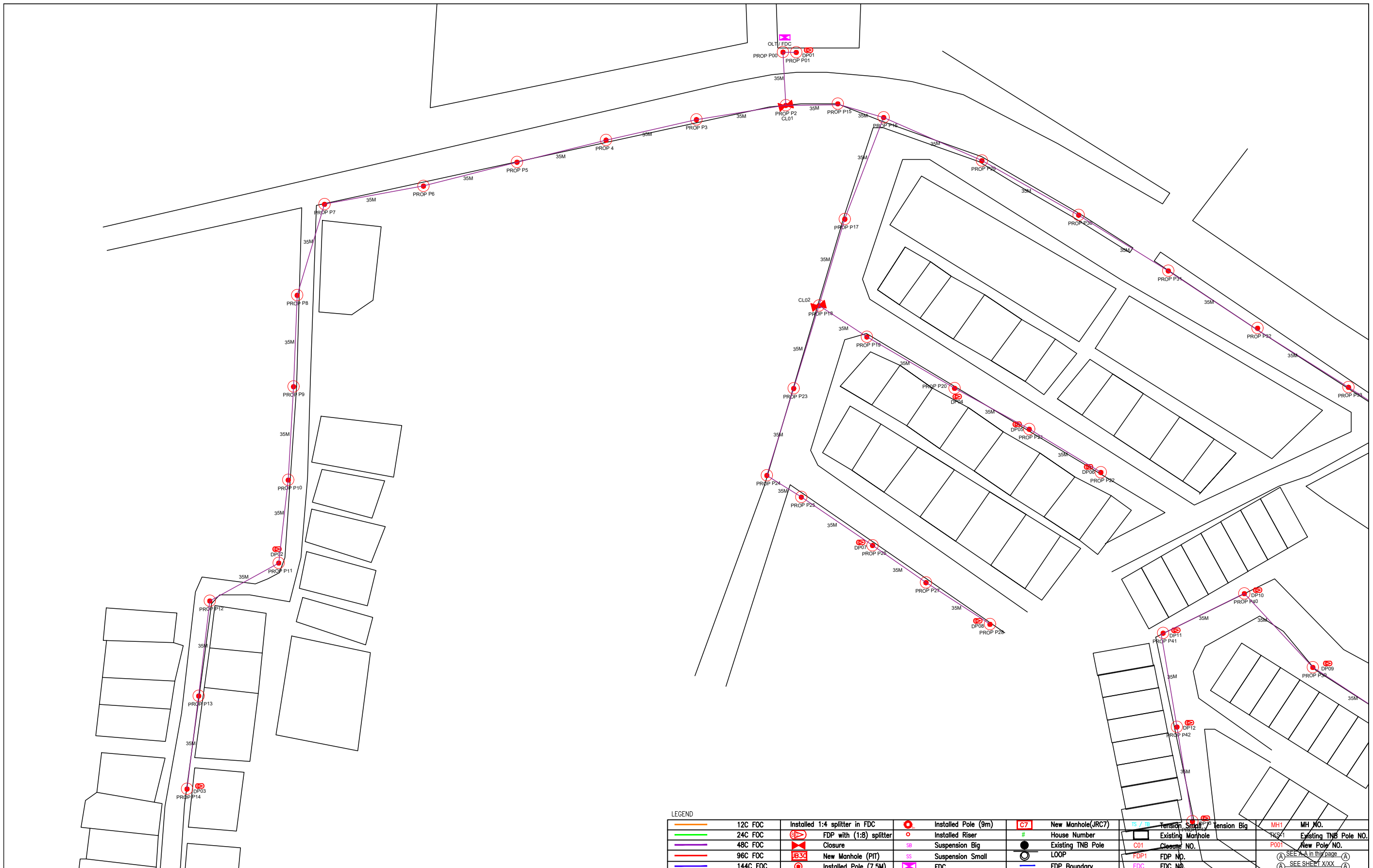


6.0 3rd PARTIES DEPENDENCIES

| NO | LOCAL COUNCIL / AUTHORITY | REMARK |
|----|---------------------------|--------|
| 1 | Majlis Daerah Manjung | 1200m |



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



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

KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR




APEX COMMUNICATIONS SDN BHD



PRIVASAT

SUB-CONTRACTOR :



SBS SAMIDA SDN BHD

219, Block 3, Laman Seri Business Park
Persiaran Sukan, Seksyen 13, 40100,
Shah Alam, Selangor

Tel: 011-11611686
Email: sbssamida@gmail.com

PROJECT TITLE:

PROJECT FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SJKC HWA LIAN 1) TO PREMISES PASS AREA

DRAWING TITLE:

SJKC HWA LIAN 1

PROJECT PHASE:

PROJECT PHASE

| | |
|--|-------------------------|
| Design By : ENGINEER | Date : DATE |
| Drawn By : CAD ENGINEER | Scale : NTS |
| Checked By : ENGINEER | Job Number : JOB/NUMBER |
| DRAWING NUMBER : DRAWING/NUMBER | Sheet : 1/2 |
| THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF ALLO TECHNOLOGY SDN BHD | |
| Size : A3 | |

PROPOSED FDC
SJKC HWA LIAN 2



FDP01



48C FOC (OH)
120M

FDP02



48C FOC (OH)
90M

FDP03



48C FOC (OH)
90M

FDP04



48C FOC (OH)
60M

FDP05



48C FOC (OH)
60M

FDP06



FDP13



48C FOC (OH)
90M

FDP12



48C FOC (OH)
60M

FDP11



48C FOC (OH)
90M



CL02



FDP07



FDP08



FDP09



FDP10

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 | TKS-1 | Existing Manhole | TKS-1 | Existing TNB Pole NO. |
| 48C FOC | Closure | Suspension Big | SB | Existing TNB Pole | C01 | Closure NO. | P001 | New Pole NO. |
| 96C FOC | New Manhole (PIT) | Suspension Small | SS | LOOP | FDP1 | FDP NO. | (A) | SEE A-A in this page |
| 144C FOC | Installed Pole (7.5M) | FDC | FD | FDP Boundary | FDC | FDC NO. | (A) | SEE SHEET XXX |

| | | | | | | | | |
|------------|---------------------|-----------------------|----------------------|---|--|--|-------------------------|----------------|
| KEY PLAN : | PROJECT OWNER : | MAIN CONTRACTOR : | SUB-CONTRACTOR : | PROJECT TITLE: PROJECT FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SJKC HWA LIAN 2) TO PREMISES PASS AREA | DRAWING TITLE: D-SIDE - SJKC HWA LIAN 2 | Design By : ENGINEER | Date : DATE | |
| | | | | | | Drawn By : CAD ENGINEER | Scale : NTS | |
| | | | | | PROJECT PHASE: | Checked By : ENGINEER | Job Number : JOB/NUMBER | |
| | | | | | | DRAWING NUMBER : DRAWING/NUMBER | | Sheet : 1/1 |
| | | | | | | THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF ALLO TECHNOLOGY SDN BHD | | Size : A3 |