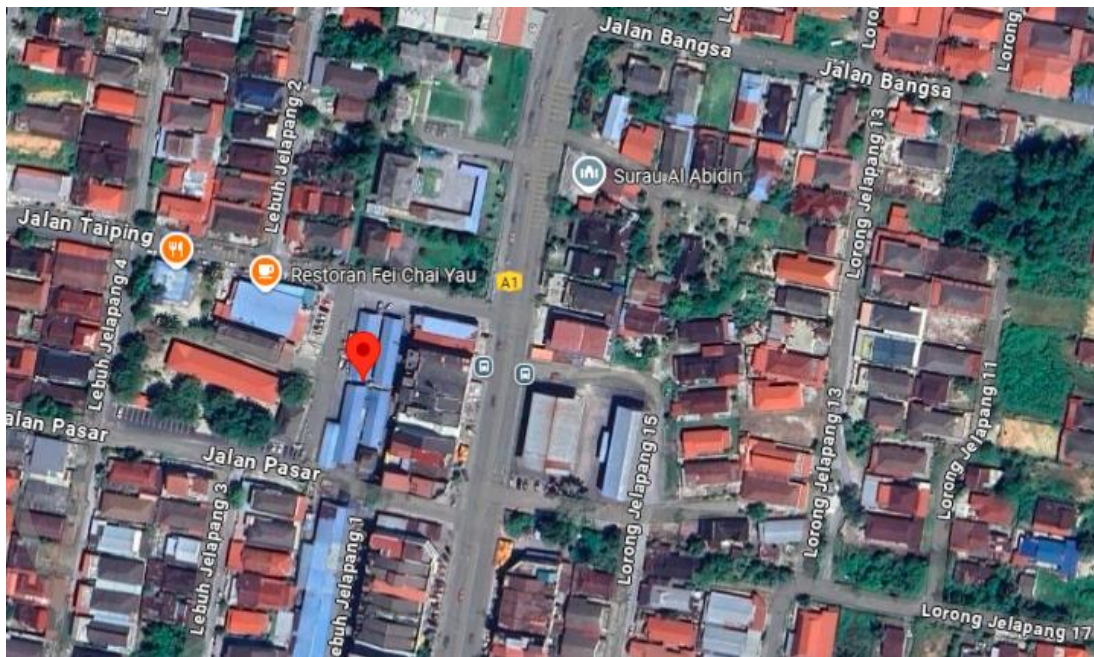


Maxis UMobile 5G Project – Technical Proposal

| | | |
|-----------------|---|--|
| Company Name | : | MAXIS BROADBAND SDN BHD |
| Company Address | : | Level 2, Menara Maxis, Kuala Lumpur City Centre, 50088 Kuala Lumpur |
| Date | : | 03/08/2025 |



| | | |
|--------------------------|---|--|
| Project & Site Name | : | UMOBILE TAIP |
| Site LRD | : | TAIP |
| Address | : | JALAN TAIPING, JELAPANG, 30020 IPOH, PERAK |
| District | : | IPOH |
| Postcode & State | : | 30020 IPOH, PERAK |
| GPS Coordinate | : | 4.638289,101.063392 |
| FTTx LRD | : | N/A |
| Home pass / Premise pass | : | N/A |

| | |
|------------------------------|-------------|
| UG Build (m) | 1050 |
| Aerial Build (m) | 0 |
| Total Civil Build (m) | 1050 |

| | |
|------------------------|-------------|
| UG Cable (m) | 1080 |
| Aerial CABLE (m) | 0 |
| Coil at MH (m) | 40 |
| Total Cable (m) | 1120 |

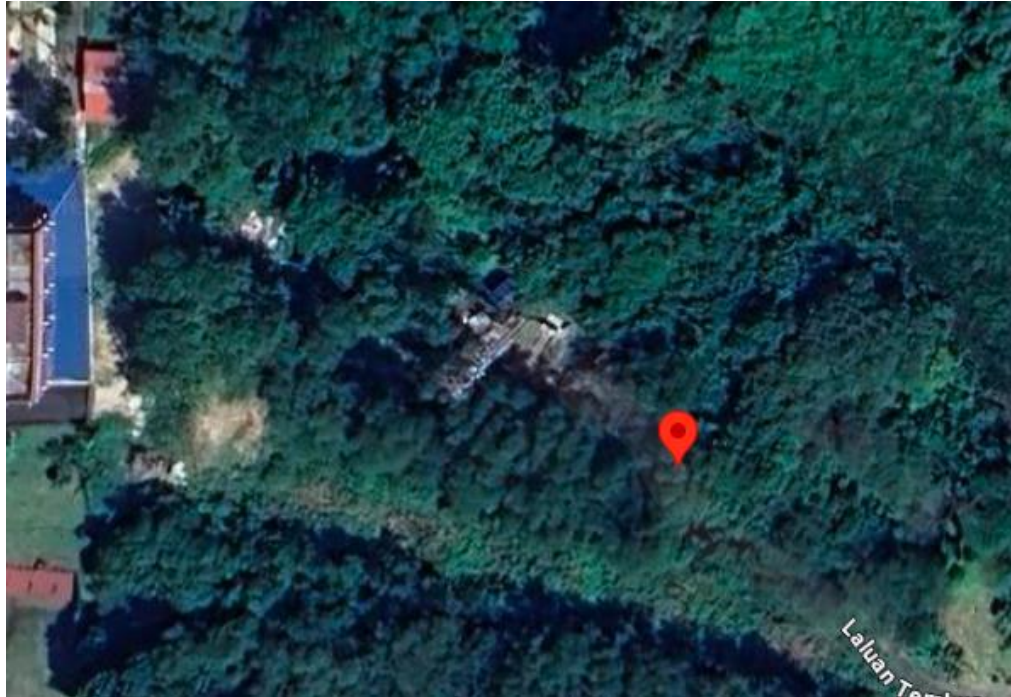


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1. POC3 Summary & Details

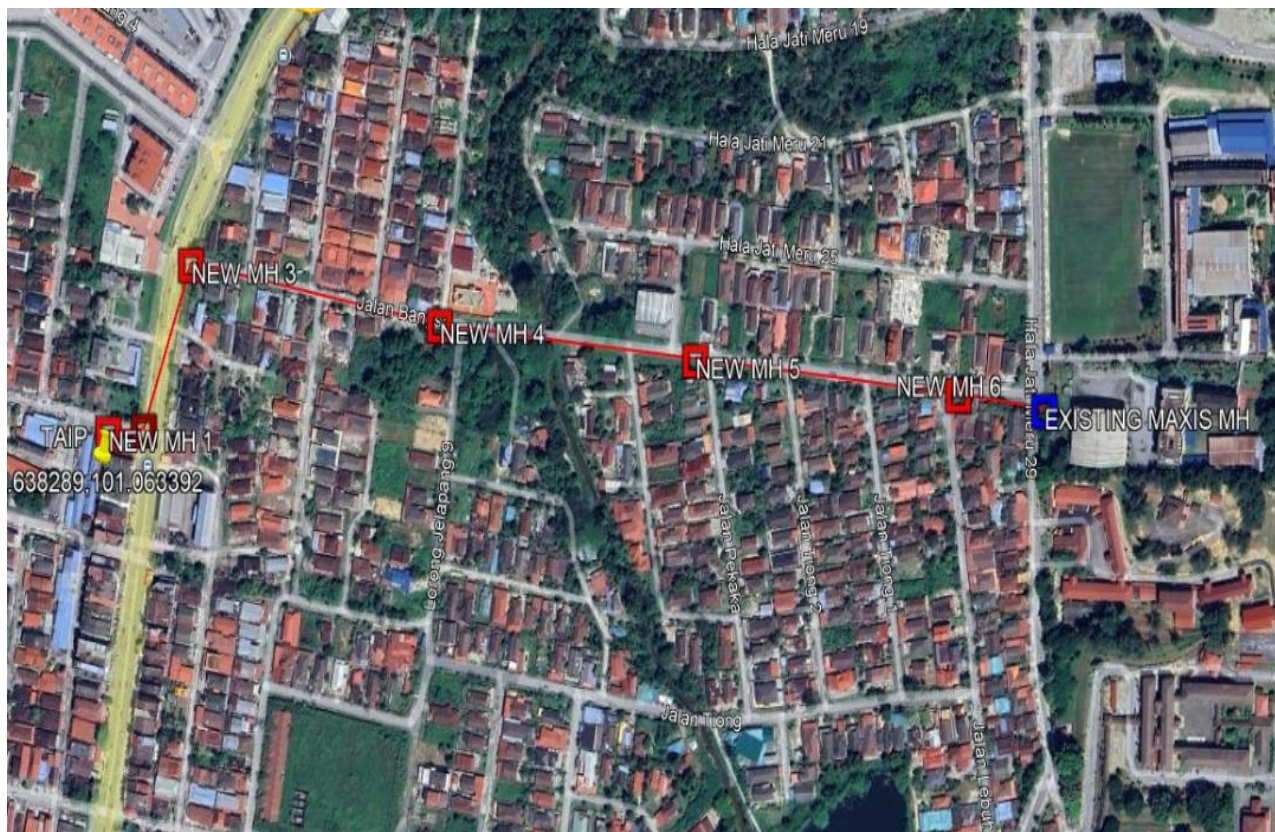
1.1. POC3 Summary



| | | |
|----------------------|---|--|
| Site LRD | : | JLPG |
| Structure Type | : | CABINAT |
| GPS Coordinate | : | 4°38'20.296" N,101°4'27.019" E |
| Site / Building Name | : | N/A |
| Address | : | Laluan Tembusu, Kampung Dato' Ahmad Said Tambahan 3, 30020 Ipoh, Perak |
| POC3 Model | : | N/A |

2. OSP / ISP Summary & Details (OSP 2)

2.1. Propose Route Details & Site Map



| | | | |
|----------------------------|---|---------------------------------|--|
| LRD Point A | CABINET UM | LRD Point B | CABINET MAXIS |
| Address | JALAN TAIPING, JELAPANG, 30020 IPOH, PERAK | Address | Laluan Tembusu, Kampung Dato' Ahmad Said Tambahan 3, 30020 Ipoh, Perak |
| GPS Coordinates | 4.638289,101.063392 | GPS Coordinates | 4°38'20.296" N,101°4'27.019" E |
| New Civil Build (M) | 1050 | Existing Civil Build (M) | N/A |
| New Build Cable (M) | 1120 | Existing Cable (M) | N/A |

Local Council & Authority approval Requirement

: MAJLIS BANDARAYA IPOH
JKR Daerah Kinta

2.2. OSP & ISP BOQ

| Overall Proposed OSP Civil Infrastructure Design Distance | | Unit | Quantity |
|--|--|-------------|-----------------|
| 1 | Horizontal Directional Drilling with 1-way duct | M | 1050 |
| 2 | Horizontal Directional Drilling with 2-way duct | M | N/A |
| 3 | Open trench on grass verge (GV) with 1-way duct | M | N/A |
| 4 | Open trench on grass verge (GV) with 2-way duct | M | N/A |
| 5 | Open trench on carriage way (CW) with 1-way duct | M | N/A |
| 6 | Open trench on carriage way (CW) with 2-way duct | M | N/A |
| 7 | Micro trenching 1-way (3-way x 40 mm HDPE sub-duct) | M | N/A |
| 8 | Micro trenching 1-way (2-way x 25 mm GI Pipe for main road crossing) | M | N/A |

| Overall Propose Manhole / Handhole | | Unit | Quantity |
|---|-----------------------|-------------|-----------------|
| 1 | Manhole JB30 | Ea | 7 |
| 2 | Manhole JB30 Modified | Ea | N/A |
| 3 | Manhole JRC7 | Ea | N/A |
| 4 | PIT/Cheezy PIT | Ea | N/A |

| Overall Propose Pole / Overhead | | Unit | Quantity |
|--|----------------------------|-------------|-----------------|
| 1 | 7.5 m Pole – Concrete/Iron | Ea | N/A |
| 2 | 9 m Pole – Concrete/Iron | Ea | N/A |
| 3 | G.I Riser | Ea | N/A |
| 4 | Cable Trunking | M | 30 |

| Overall Cable Infrastructure Design Distance | | Unit | Quantity |
|---|---------------------------------------|-------------|-----------------|
| 1 | 1 Core Optical Fiber Cable | M | N/A |
| 2 | 48 Core Optical Fiber Cable UG/IB/ID | M | N/A |
| 3 | 96 Core Optical Fiber Cable UG/IB | M | N/A |
| 4 | 144 Core Optical Fiber Cable UG/IB/ID | M | 1120 |

| Overall Optic Splice Design | | Unit | Quantity |
|------------------------------------|---------------------|-------------|-----------------|
| 1 | Total Joint Closure | Ea | 1 |



2.3. Civil Work's Detail (Manhole & Pole)

| Overall Existing Manhole & Pole | | GPS Coordinate | | Distance |
|---------------------------------|-------------------|----------------|----------------|----------|
| No. | Manhole & Pole ID | Latitude | Longitude | Meter |
| 1 | EX MAXIS M/H | 4°38'19.27"N | 101° 4'17.49"E | |
| 2 | N/A | N/A | N/A | N/A |
| 3 | N/A | N/A | N/A | N/A |

| Overall Propose Manhole & Pole | | GPS Coordinate | | Distance |
|--------------------------------|-------------------|----------------|----------------|----------|
| No. | Manhole & Pole ID | Latitude | Longitude | Meter |
| 1 | New Manhole 1 | 4.638300 | 101.063406 | 35 |
| 2 | New Manhole 2 | 4°38'18.75"N | 101° 3'48.53"E | 55 |
| 3 | New Manhole 3 | 4°38'18.81"N | 101° 3'49.62"E | 130 |
| 4 | New Manhole 4 | 4°38'22.68"N | 101° 3'51.09"E | 250 |
| 5 | New Manhole 5 | 4°38'21.27"N | 101° 3'58.79"E | 250 |
| 6 | New Manhole 6 | 4°38'20.44"N | 101° 4'6.71"E | 250 |
| 7 | New Manhole 7 | 4°38'19.63"N | 101° 4'14.85"E | 80 |

2.4 OSP/ISP Photo Illustration



PICTURE 1 - ROOFTOP UMOBILE



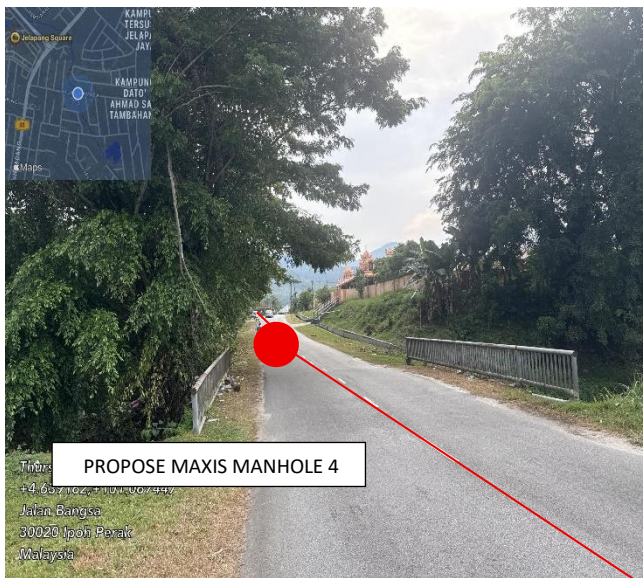
Picture 2 – PROPOSE MAXIS M/H 1



Picture 3 – PROPOSED MAXIS M/H 2



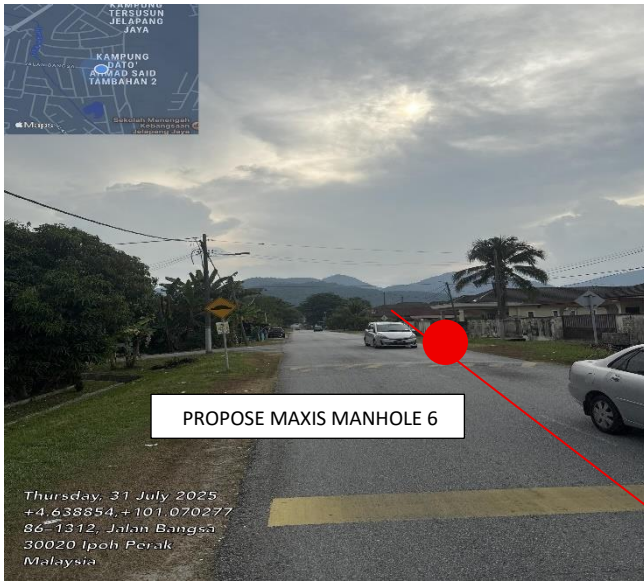
PICTURE 4 – PROPOSED MAXIS M/H 3



Picture 5 – PROPOSE MAXIS M/H 4



Picture 6 – PROPOSE MAXIS M/H 5



Picture 5 – PROPOSE M/H 6



Picture 6 – EXISTING MAXIS M/H



1. Link Attenuation Calculation Reference

S = Total splice count in a single link

L = Total length of cable in a single link

C = Total connector count in a single link.

A) FIBER LOSS FOR 1310 nm WAVELENGTH

$$\text{TOTAL LOSS} = 0.15 (S) + 0.35 (L) + (C)$$

B) FIBER LOSS FOR 1550 nm WAVELENGTH

$$\text{TOTAL LOSS} = 0.10 (S) + 0.25 (L) + 0.5 (C)$$

MAXIMUM END TO END VALUE FOR 1310 nm = ******** **dBm**

MAXIMUM END TO END VALUE FOR 1550 nm = ******** **dBm**

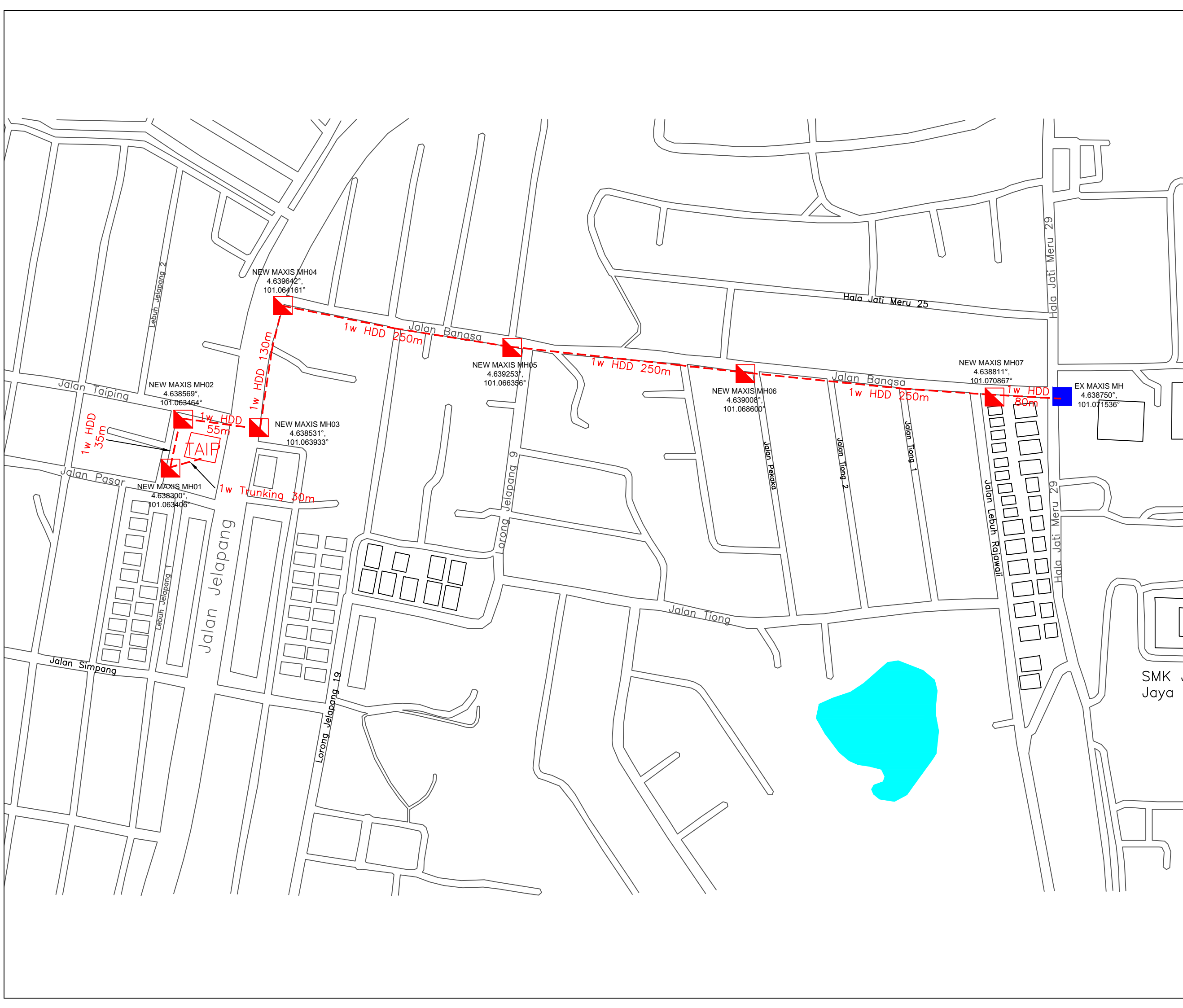


2. Appendices

2.1. OSP Civil Design

2.2. OSP SLD Design

2.3. Costing BOQ



| SITE MAPS DESIGN | |
|------------------------------|--------------|
| SITE NAME: | TAIP |
| PROJECT TITLE: | UM5G-TAIP |
| DWG ID: | UM5G/TAIP/01 |
| DATE: | 5 AUG 2025 |
| SHEET: | 01/01 |
| SUMMARY NOTES | |
| TOTAL CUSTOMER : | 1 |
| TOTAL FDC : | N/A |
| TOTAL FDP: | N/A |
| TOTAL PROPOSED JOINT: | 1 |
| TOTAL PROPOSED MH: | 7 |
| TOTAL PROPOSED POLE: | N/A |
| TOTAL PROPOSED UG CABLE (m): | 1090 |
| TOTAL PROPOSED OH CABLE (m): | 30 |
| LEGENDS | |
| EXISTING FDC | |
| PROPOSED FDP | |
| EXISTING FDP | |
| PROPOSED MANHOLE | |
| EXISTING MANHOLE | |
| PROPOSED PIT/HANDHOLE | |
| EXISTING PIT/HANDHOLE | |
| PROPOSED G.i / DUCT RISER | |
| EXISTING G.i / DUCT RISER | |
| PROPOSED POLE | |
| EXISTING POLE | |
| PROPOSED CLOSURE / JOINT | |
| EXISTING PEDESTAL | |
| EXISTING UG DUCTWAY | |
| PROPOSED UG TRENCHING | |
| EXISTING AERIALCABLE | |
| PROPOSED AERIAL CABLE | |
| JKR BOUNDARY | |
| LOCAL COUNCIL BOUNDARY | |
| DESIGN BY: BINASAT SDN BHD | |
| | |
| MAXIS BROADBAND SDN BHD | |
| CHECKED BY : | |
| CHECKED DATE : | |
| APPROVED/REJECTED BY : | |
| APPROVED/REJECTED BY : | |

SITE MAPS DESIGN

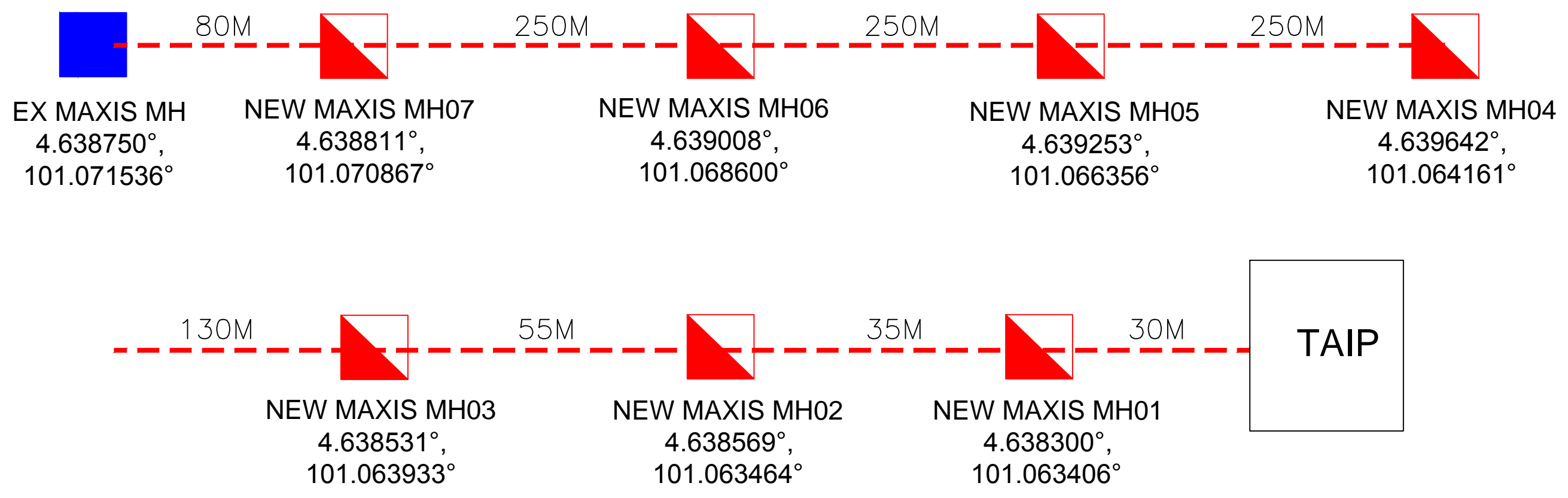
| | |
|----------------|------------------|
| SITE NAME: | TAIP |
| PROJECT TITLE: | UM5G-TAIP |
| DWG ID: | UM5G/TAIP/SLD/01 |
| DATE: | 5 AUG 2025 |
| SHEET: | 01/01 |

SUMMARY NOTES

| | |
|------------------------------|------|
| TOTAL CUSTOMER : | 1 |
| TOTAL FDC : | N/A |
| TOTAL FDP: | N/A |
| TOTAL PROPOSED JOINT: | 1 |
| TOTAL PROPOSED MH: | 7 |
| TOTAL PROPOSED POLE: | N/A |
| TOTAL PROPOSED UG CABLE (m): | 1090 |
| TOTAL PROPOSED OH CABLE (m): | 30 |

LEGENDS

| | |
|---------------------------|--|
| EXISTING FDC | |
| PROPOSED FDP | |
| EXISTING FDP | |
| PROPOSED MANHOLE | |
| EXISTING MANHOLE | |
| PROPOSED PIT/HANDHOLE | |
| EXISTING PIT/HANDHOLE | |
| PROPOSED G.i / DUCT RISER | |
| EXISTING G.i / DUCT RISER | |
| PROPOSED POLE | |
| EXISTING POLE | |
| PROPOSED CLOSURE / JOINT | |
| EXISTING PEDESTAL | |
| EXISTING UG DUCTWAY | |
| PROPOSED UG TRENCHING | |
| EXISTING AERIALCABLE | |
| PROPOSED AERIAL CABLE | |
| JKR BOUNDARY | |
| LOCAL COUNCIL BOUNDARY | |



DESIGN BY: BINASAT SDN BHD



MAXIS BROADBAND SDN BHD

| | |
|------------------------|--|
| CHECKED BY : | |
| CHECKED DATE : | |
| APPROVED/REJECTED BY : | |
| APPROVED/REJECTED BY : | |