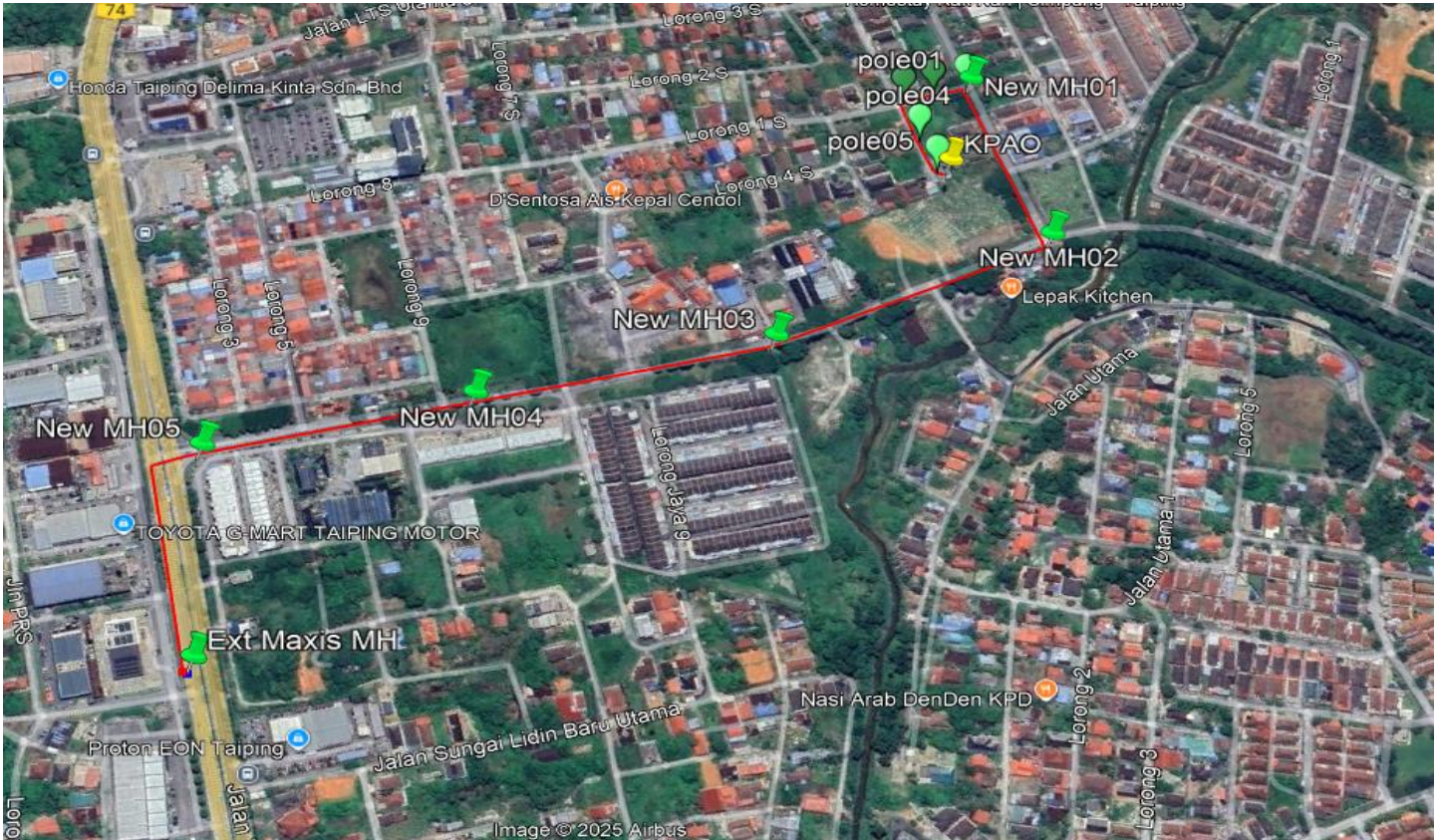


# Maxis UMobile 5G Project – Technical Proposal

Company Name	:	MAXIS BROADBAND SDN BHD
Company Address	:	LEVEL 9 , MENARA MAXIS , KUALA LUMPUR CITY CENTRE , 50088 KUALA LUMPUR
Date	:	13/11/2025



Project & Site Name	:	U MOBILE KPAO
LRD ID	:	KPAO
Address	:	LORONG 6 S
District	:	NEAR KAMPUNG SENTOSA
Postcode & State	:	34000 SIMPANG, PERAK
GPS Coordinate	:	4.8242313, 100.7249847
FTTx LRD	:	N/A
Home pass / Premise pass	:	N/A

UG Build (m)	1255
Aerial Build (m)	151
<b>Total Civil Build (m)</b>	<b>1406</b>

UG Cable (m)	N/A
Aerial Cable (m)	1406
Coil at MH (m)	30
<b>Total Cable (m)</b>	<b>1436</b>



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# 1. POC3 Summary & Details

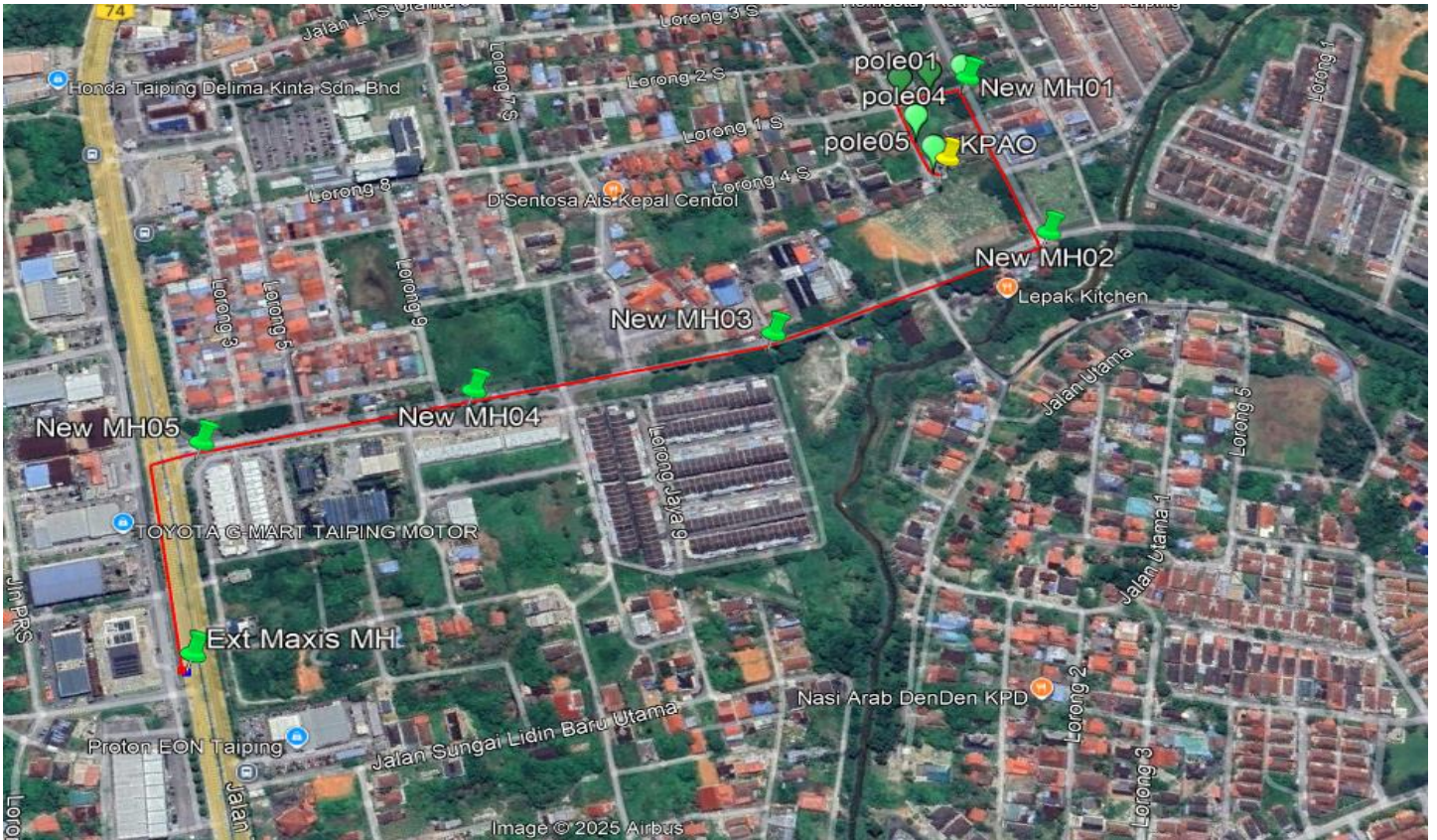
## 1.1. POC3 Summary



Site LRD	:	MEDA
Structure Type	:	Cabin/T5
GPS Coordinate	:	4.8278, 100.7184
Site / Building Name	:	TAIPING POLY (M) SDN BHD
Address	:	LOT 5234-52345, JLN PERUSAHAAN BATU 2 1/2, SIMPANG, 34700 Taiping, Perak
POC3 Model	:	

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

### 2.1. Propose Route Details & Site Map



<b>LRD Point A</b>	KPAO	<b>LRD Point B</b>	EXT MH MAXIS
<b>Address</b>	LORONG 6 S, KAMPUNG SENTOSA, 34000 TAIPING, PERAK.	<b>Address</b>	JALAN TAIPING - KUALA SEPETANG, KAMPUNG PENGKALAN AOR, 34000 TAIPING, PERAK
<b>GPS Coordinates</b>	4.899613, 100.718179	<b>GPS Coordinates</b>	4.826874, 100.717682
<b>New Civil Build (M)</b>	1406	<b>Existing Civil Build (M)</b>	N/A
<b>New Build Cable (M)</b>	1436	<b>Existing Cable (M)</b>	N/A

**Local Council & Authority approval Requirement** : **Majlis Perbandaran Taiping  
JKR Daerah Larut, Matang & Selama**

## 2.2. OSP & ISP BOQ

Overall Proposed OSP Civil Infrastructure Design Distance		Unit	Quantity
1	Horizontal Directional Drilling with 1-way duct	M	1250
2	Horizontal Directional Drilling with 2-way duct	M	N/A
3	Open trench on grass verge (GV) with 1-way duct	M	5
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 (2-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	N/A
2	Manhole JB30 Modified	Ea	N/A
3	Manhole JRC7	Ea	5
4	PIT/Cheezy PIT	Ea	N/A

Overall Propose Pole / Overhead		Unit	Quantity
1	7.5 m Pole – Concrete/Iron	Ea	5
2	9 m Pole – Concrete/Iron	Ea	N/A
3	G.I Riser	Ea	2

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	1436

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	A-LSIMP-0011-000T	4.826874	100.717682	
2	***	***	***	***
3	***	***	***	***

Overall Propose Manhole & Pole		GPS Coordinate		Distance
No.	Manhole & Pole ID	Latitude	Longitude	Meter
1	POLE05	4.824308	100.724958	
2	POLE04	4.824589	100.725167	
3	POLE03	4.824541	100.725447	
4	POLE02	4.824722	100.725644	
5	POLE01	4.824514	100.725844	
6	MH01 JRC7	4.824506°	100.725825°	
7	MH02 JRC7	4.823169°	100.724750°	
8	MH03 JRC7	4.824586°	100.722689°	
9	MH04 JRC7	4.826344°	100.720953°	
10	MH05 JRC7	4.827914°	100.719406°	

### 2.4. OSP/ISP Photo Illustration.



**PICTURE 1 : T5 UM**



**Picture 2 – LORONG PERUSAHAAN 1**



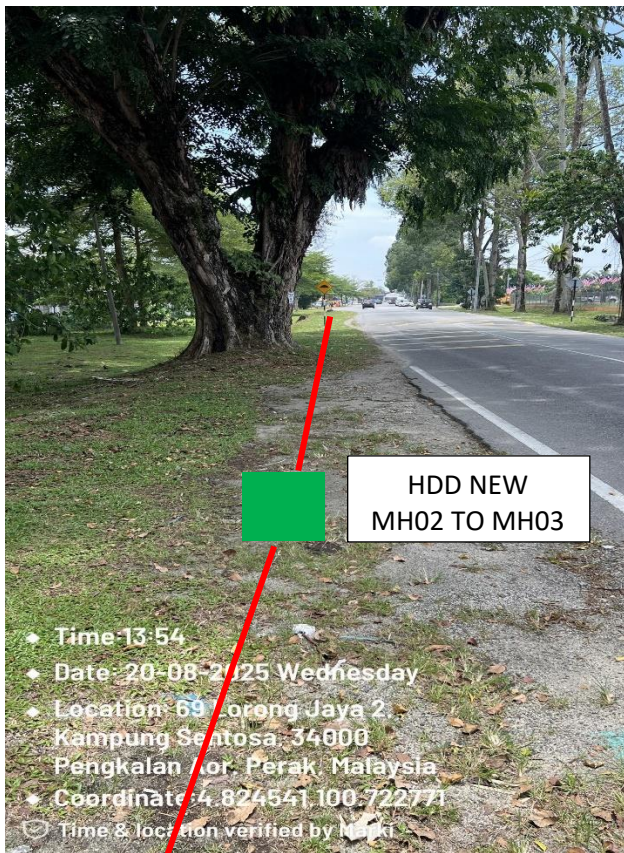
PICTURE 3: PROPOSE NEW POLE (01, 02, 03, 04 & 05)



PICTURE 4: PROPOSE NEW MH01 AND POLE 05



PICTURE 5: PROPOSE NEW MH



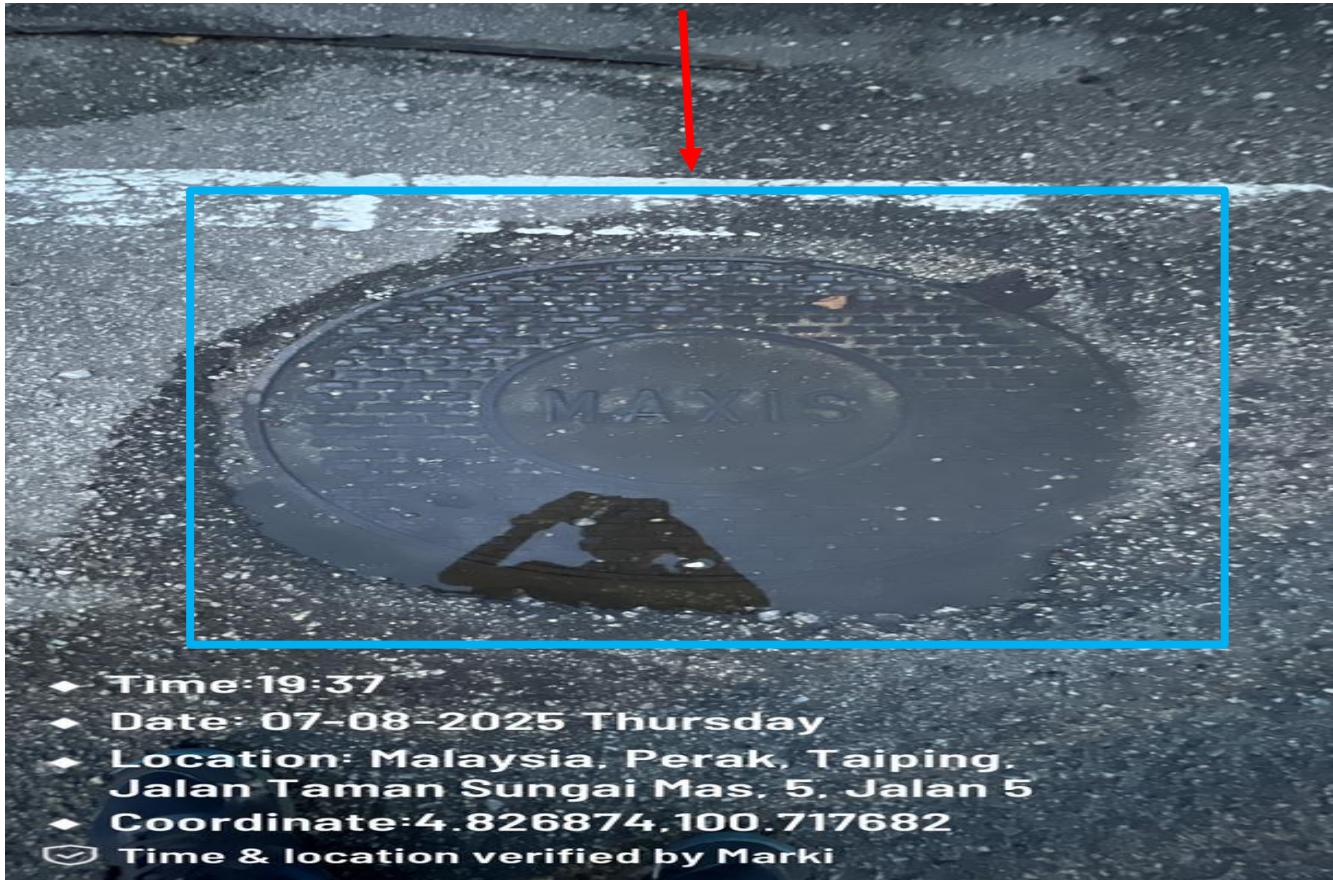
PICTURE 8 : PROPOSE NEW MH03



PICTURE 9 : NEW MH04



PICTURE 10: NEW MH05



PICTURE 11: PROPOSE HDD TO EXT MAXIS MH.



### 3. 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



#### **4. Appendices**

4.1. OSP Civil Design

4.2. OSP SLD Design

4.3. Costing BOQ

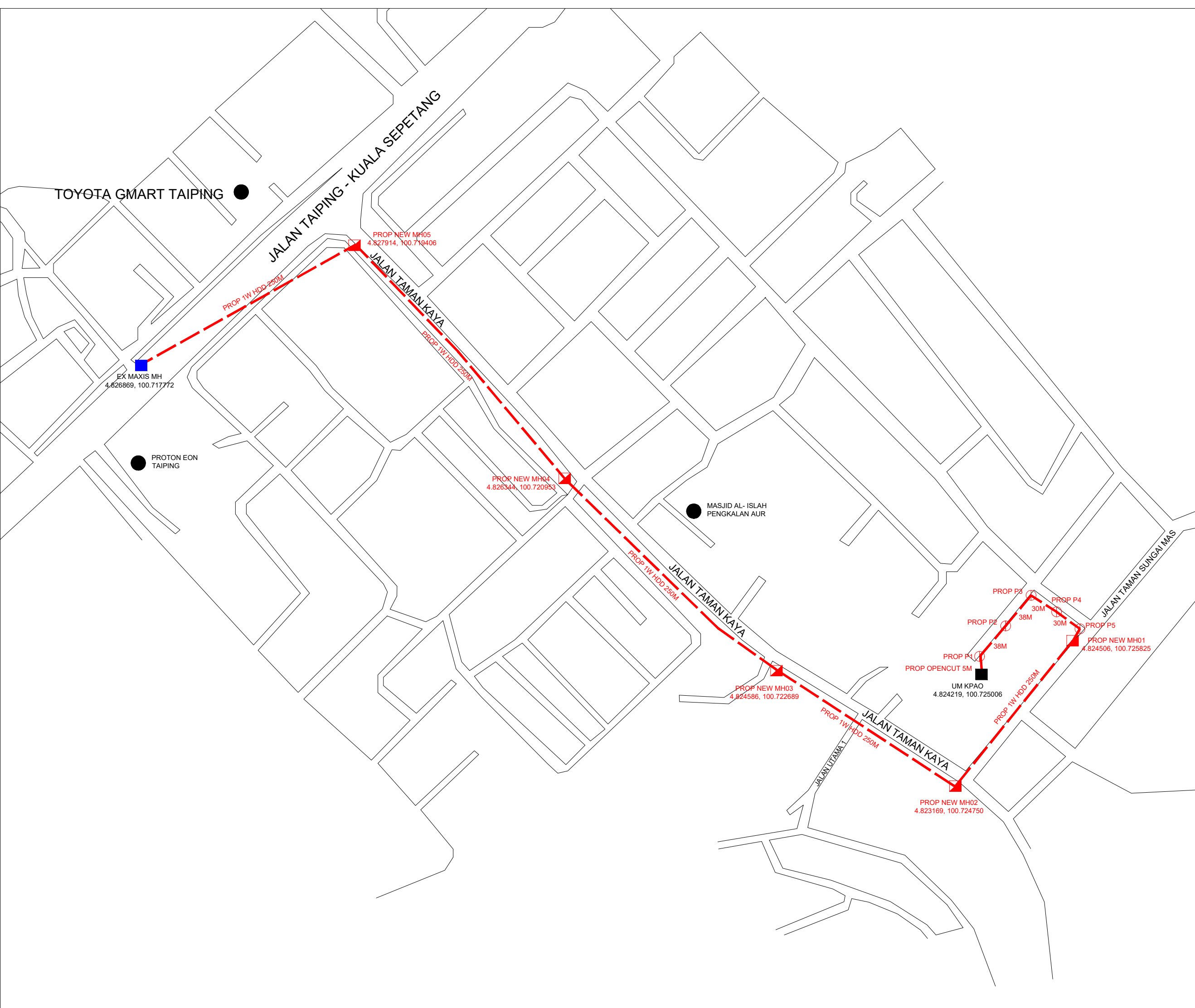


## Acceptance and Authorization

**IN WITNESS WHEREOF**, the parties hereto each acting with proper authority have executed this Technical Proposal under seal.

By signing below, both Parties agree to the terms of this Technical Proposal document.

UMobile Sdn Bhd	Maxis Broadband Sdn Bhd
<p><b>Signature:</b></p>     <p><b>Full Name:</b></p> <p><b>Position:</b></p> <p><b>Date:</b></p>	<p><b>Signature:</b></p>   <p style="text-align: center;"><b><i>Vinod Moorthy</i></b></p> <p><b>Full Name: Vinod A/L Krishnan Moorthy</b></p> <p><b>Position: Network Project Manager</b></p> <p><b>Date:</b></p>
<p><b>Signature:</b></p>     <p><b>Full Name:</b></p> <p><b>Position:</b></p> <p><b>Date:</b></p>	<p><b>Signature:</b></p>     <p><b>Full Name: Shanker Ganesh A/L Manogran</b></p> <p><b>Position: Enterprise Project Manager</b></p> <p><b>Date:</b></p>



SITE MAPS DESIGN	
SITE NAME:	KPOA
PROJECT TITLE:	UM 5G - KPOA
DWG ID:	UM5G/KPOA/01
DATE:	11/09/2025
SHEET :	01/01
SUMMARY NOTES	
TOTAL CUSTOMER :	1
TOTAL FDC :	N/A
TOTAL FDP:	N/A
TOTAL PROPOSED JOINT:	N/A
TOTAL PROPOSED MH:	5
TOTAL PROPOSED POLE:	5
TOTAL PROPOSED UG CABLE (m):	1255
TOTAL PROPOSED OH CABLE (m):	151
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 :	















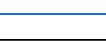
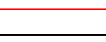

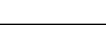
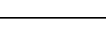
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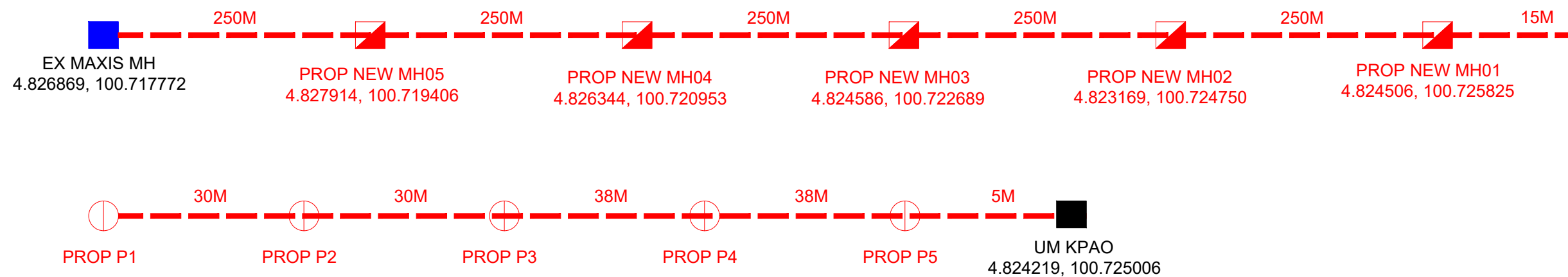
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### SUMMARY NOTES

TOTAL CUSTOMER :	1
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TOTAL FDP:	N/A
TOTAL PROPOSED JOINT:	N/A
TOTAL PROPOSED MH:	5
TOTAL PROPOSED POLE:	5
TOTAL PROPOSED UG CABLE (m):	1255
TOTAL PROPOSED OH CABLE (m):	151

### 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	
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PROPOSED UG TRENCHING	
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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 :	