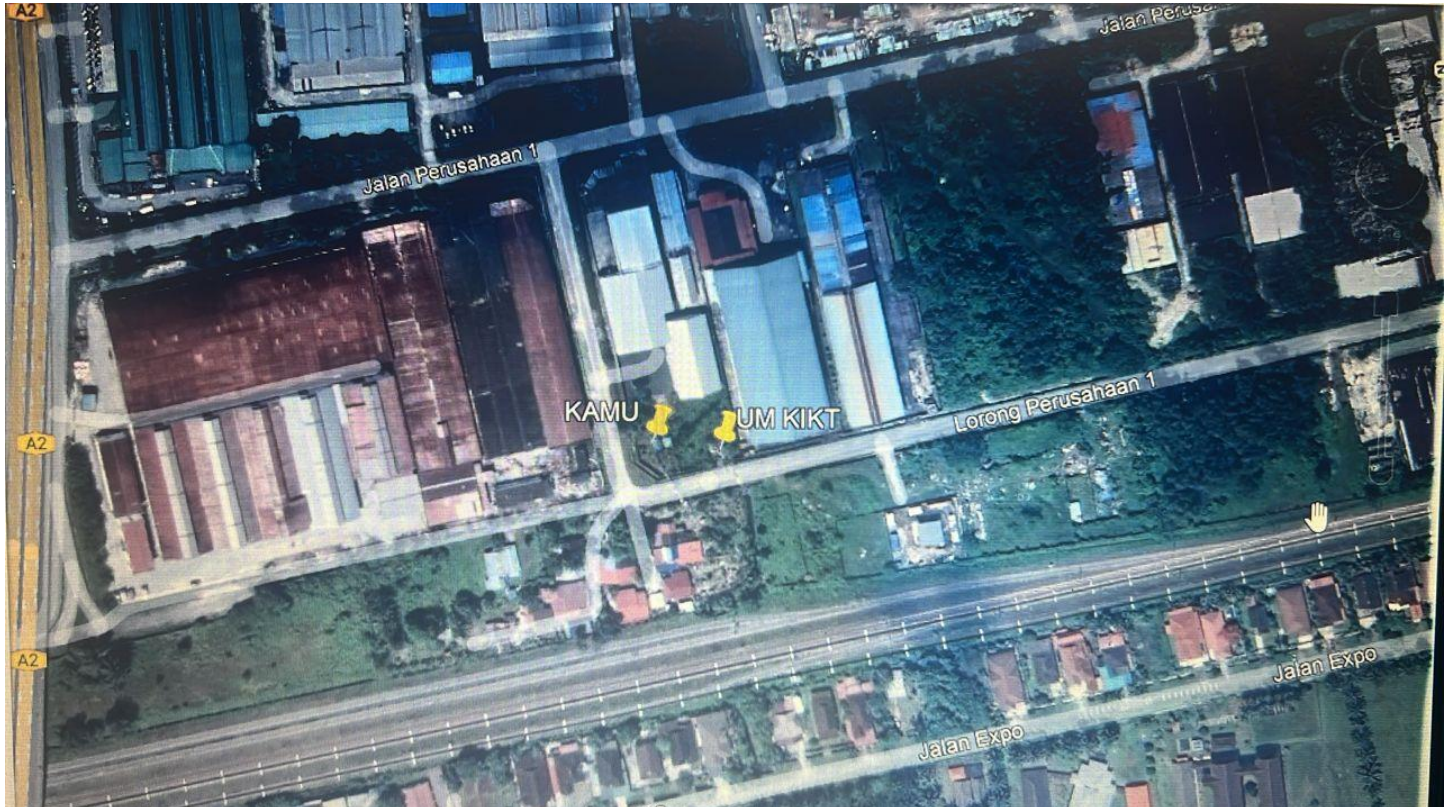


Maxis UMobile 5G Project – Technical Proposal

Company Name	:	MAXIS BROADBAND SDN BHD
Company Address	:	LEVEL 9 , MENARA MAXIS , KUALA LUMPUR CITY CENTRE , 50088 KUALA LUMPUR
Date	:	31/7/2025



Project & Site Name	:	UMOBILE MAXIS
Site LRD	:	KIKT
Address	:	LORONG PERUSAHAAN 1
District	:	KAWASAN INDUSTRI KAMUNTING
Postcode & State	:	34600 ASAM KUMBANG, PERAK
GPS Coordinate	:	4.899509, 100.717994
FTTx LRD	:	N/A
Home pass / Premise pass	:	N/A

UG Build (m)	30
Aerial Build (m)	65
Total Civil Build (m)	95

UG Cable (m)	30
Aerial Cable (m)	65
Coil MH (m)	10
Total Cable (m)	105



Table of Contents

1. POC3 Summary & Details

- 1.1. POC3 Summary
- 1.2. POC3 Photos

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

- 2.1. Propose Route Details & Site Map
- 2.2. OSP / ISP BOQ
- 2.3. Civil Works Details (Manhole & Pole)
- 2.4. Photo Illustration

3. Link Attenuation Calculation Reference

4. Appendices

- 4.1. OSP Civil Design
- 4.2. OSP SLD Design
- 4.3. Costing BOQ

1. POC3 Summary & Details

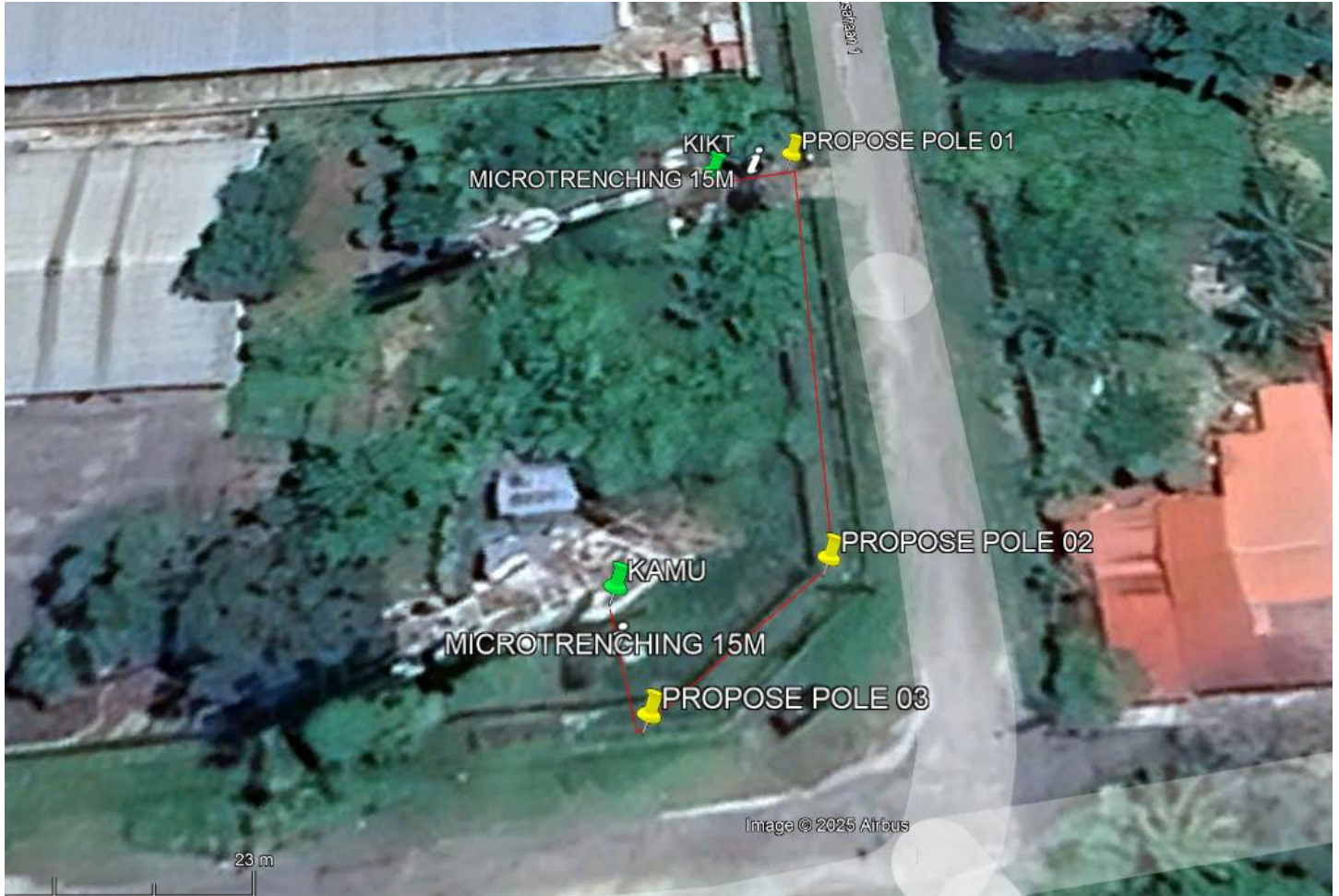
1.1. POC3 Summary



Site LRD	:	KAMU
Structure Type	:	T5
GPS Coordinate	:	4.899517, 100.718023
Site / Building Name	:	N/A
Address	:	LORONG PERUSAHAAN 1, KAW PERINDUSTRIAN KAMUNTING, PERAK
POC3 Model	:	N/A

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

2.1. Propose Route Details & Site Map



LRD Point A	KIKT	LRD Point B	KAMU
Address	LORONG PERUSAHAAN 1, KAW PERINDUSTRIAN KAMUNTING, PERAK	Address	LORONG PERUSAHAAN 1, KAW PERINDUSTRIAN KAMUNTING, PERAK
GPS Coordinates	4.899821, 100.718064	GPS Coordinates	4.899517, 100.718023
New Civil Build (M)	95	Existing Civil Build (M)	N/A
New Build Cable (M)	105	Existing Cable (M)	N/A

Local Council & Authority approval Requirement :

MAJLIS DAERAH SELAMA – 95M

2.2. OSP & ISP BOQ

Overall Proposed OSP Civil Infrastructure Design Distance		Unit	Quantity
1	Horizontal Directional Drilling with 1-way duct	M	NA
2	Horizontal Directional Drilling with 2-way duct	M	NA
3	Open trench on grass verge (GV) with 1-way duct	M	NA
4	Open trench on grass verge (GV) with 2-way duct	M	NA
5	Open trench on carriage way (CW) with 1-way duct	M	NA
6	Open trench on carriage way (CW) with 2-way duct	M	NA
7	Micro trenching 1-way (3-way x 40 mm HDPE sub-duct)	M	NA
8	Micro trenching 1-way (2-way x 25 mm GI Pipe for main road crossing)	M	30

Overall Propose Manhole / Handhole		Unit	Quantity
1	Manhole JB30	Ea	NA
2	Manhole JB30 Modified	Ea	NA
3	Manhole JRC7	Ea	NA
4	PIT/Cheezy PIT	Ea	2

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

Overall Cable Infrastructure Design Distance		Unit	Quantity
1	1 Core Optical Fiber Cable	M	NA
2	48 Core Optical Fiber Cable UG/IB/ID	M	NA
3	96 Core Optical Fiber Cable UG/IB	M	NA
4	144 Core Optical Fiber Cable UG/IB/ID	M	105

Overall Optic Splice Design		Unit	Quantity
1	Total Joint Closure	Ea	NA



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

Overall Existing Manhole & Pole		GPS Coordinate		Distance
No.	Manhole & Pole ID	Latitude	Longitude	Meter
1	***	***	***	***
2	***	***	***	***
3	***	***	***	***

Overall Propose Manhole & Pole		GPS Coordinate		Distance
No.	Manhole & Pole ID	Latitude	Longitude	Meter
1	POLE01	4.8998226	100.7181123	***
2	POLE02	4.8995203	100.7181317	***
3	POLE03	4.8994314	100.7179909	***

2.4. OSP/ISP Photo Illustration.



PICTURE 1 : CABINET UM KIKT



PICTURE 2 - PROPOSE NEW POLE



PICTURE 3 - PROPOSE NEW POLE01 & POLE02



Picture 4 - PROPOSE NEW POLE02 & POLE03



PICTURE 5 : PROPOSE NEW POLE03



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

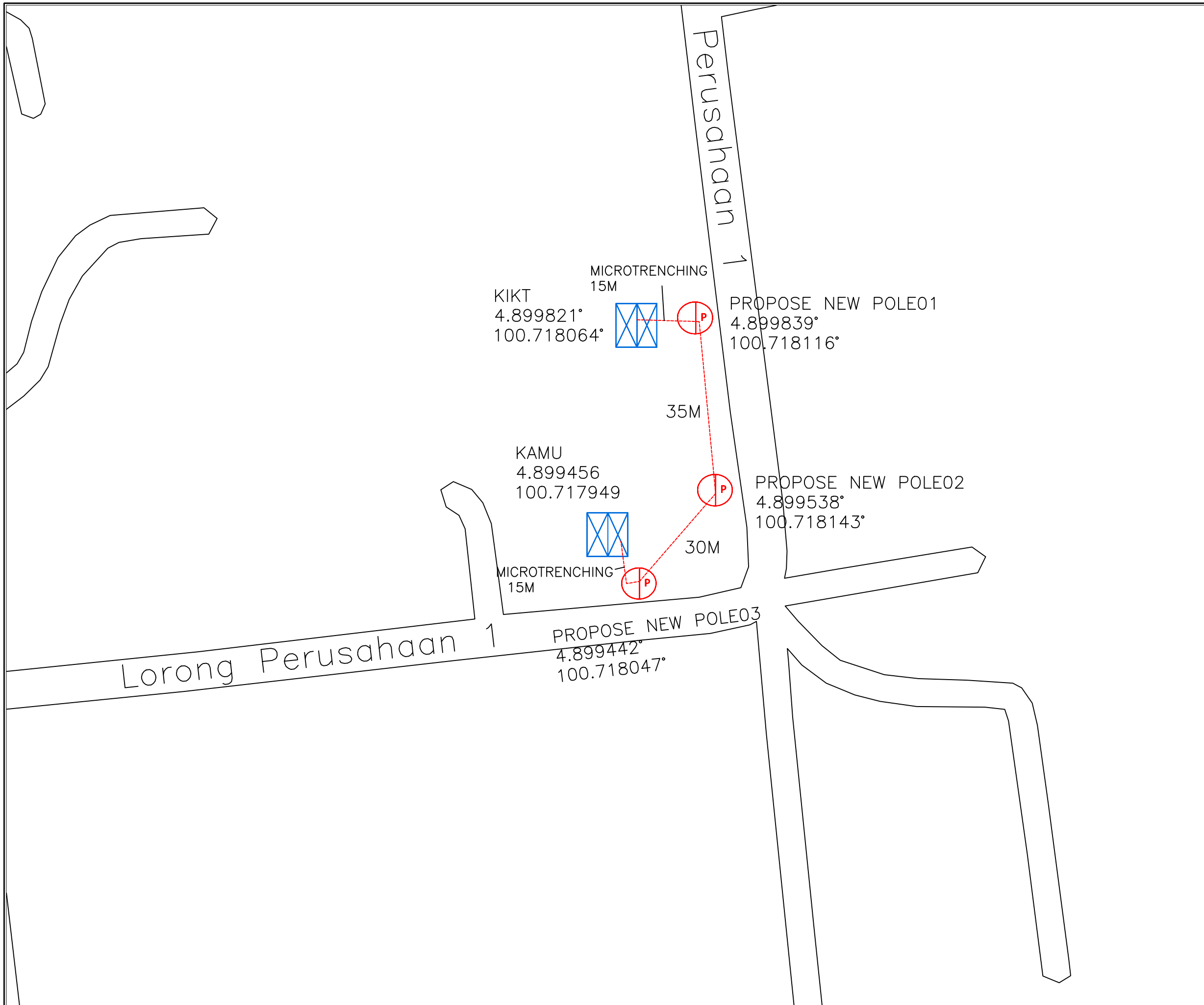


Acceptance and Authorization

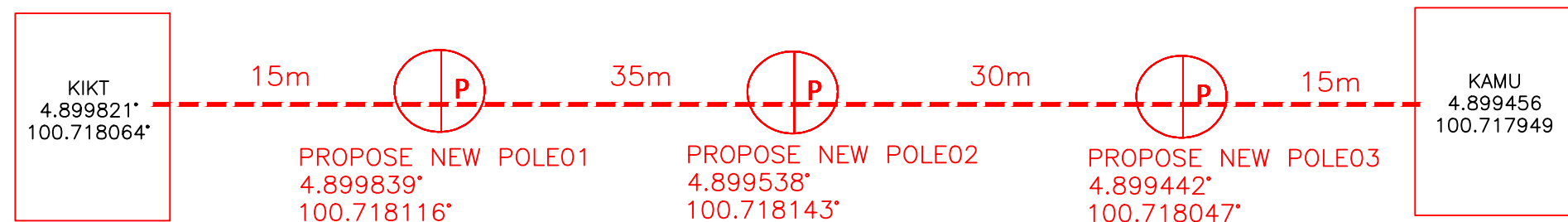
IN WITNESS WHEREOF, the parties hereto each acting with proper authority have executed this Technical Proposal under seal.

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

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



SITE MAPS DESIGN	
SITE NAME:	KIKT
PROJECT TITLE:	UMG5-KIKT
DWG ID:	UMG5/KIKT/01
DATE:	08/09/2025
SHEET:	1/1
SUMMARY NOTES	
TOTAL CUSTOMER :	1
TOTAL FDC :	N/A
TOTAL FDP:	N/A
TOTAL PROPOSED JOINT:	N/A
TOTAL PROPOSED MH:	N/A
TOTAL PROPOSED POLE:	3
TOTAL PROPOSED UG CABLE (m):	30
TOTAL PROPOSED OH CABLE (m):	65
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:	KIKT
PROJECT TITLE:	UMG5-KIKT
DWG ID:	UMG5/KIKT/01
DATE:	08/09/2025
SHEET:	1/1

SUMMARY NOTES

TOTAL CUSTOMER :	1
TOTAL FDC :	N/A
TOTAL FDP:	N/A
TOTAL PROPOSED JOINT:	N/A
TOTAL PROPOSED MH:	N/A
TOTAL PROPOSED POLE:	3
TOTAL PROPOSED UG CABLE (m):	30
TOTAL PROPOSED OH CABLE (m):	65

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 :	