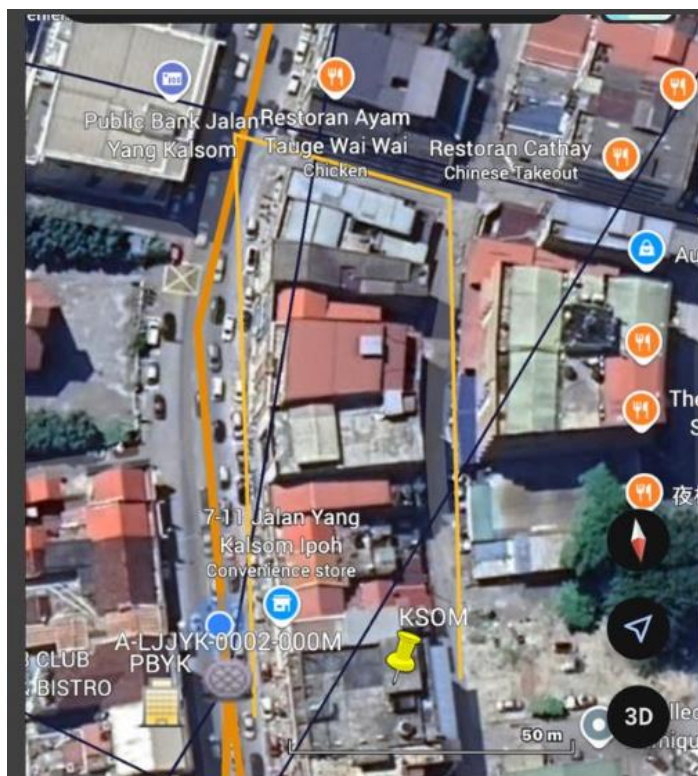


# Maxis UMobile 5G Project – Technical Proposal

Company Name	:	MAXIS BROADBANDSDNBHD
Company Address	:	LEVEL 9 , MENARA MAXIS, KUALA LUMPUR CITY CENTRE, 50088 KUALALUMPUR
Date	:	6/8/2025



Project & Site Name	:	U MOBILE MAXIS – KSOM
Site LRD	:	KSOM
Address	:	43, JALAN YANG KALSOM, TAMAN JUBILEE.
District	:	IPOH
Postcode & State	:	30300, PERAK
GPS Coordinate	:	4.591029124565703,101.08426072859916
FTTx LRD	:	NA
Home pass / Premise pass	:	NA

UG Build (m)	350
Aerial Build (m)	30
<b>Total Civil Build (m)</b>	<b>380</b>

UG Cable (m)	350
Aerial Cable (m)	30
Coil at MH (m)	15
<b>Total Cable (m)</b>	<b>395</b>



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# 1. POC3 Summary & Details

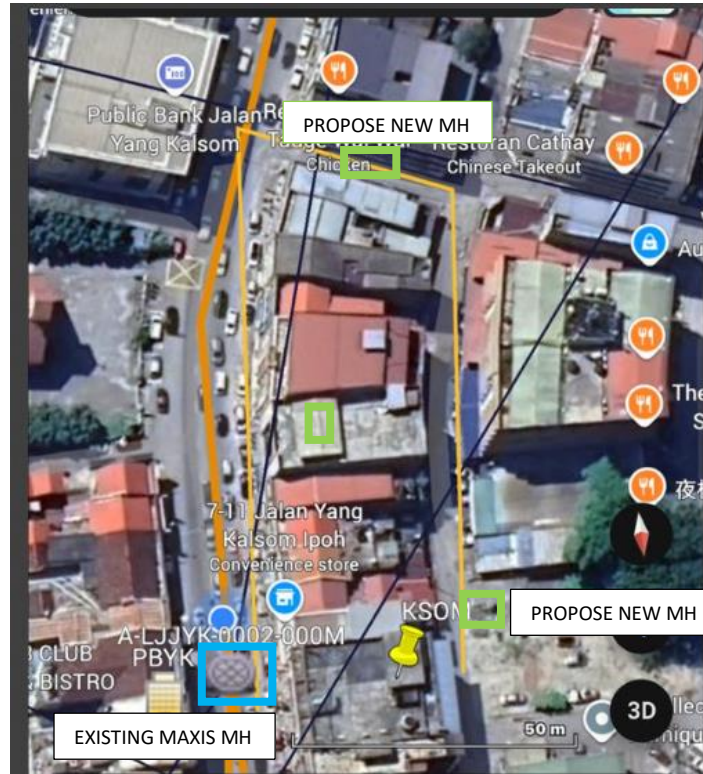
## 1.1. POC3 Summary



Site LRD	:	CHEE
Structure Type	:	T5/CABIN
GPS Coordinate	:	4.592333°N, 101.085417°E
Site / Building Name	:	BUILDING ROOF TOP
Address	:	18, Jalan Che Tak, Taman Jubilee, 30300 Ipoh, Perak
POC3 Model	:	

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

### 2.1. Propose Route Details & Site Map



<b>LRD Point A</b>	BUILDING ROOF TOP KSON	<b>LRD Point B</b>	EXT MH MAXIS
<b>Address</b>	43, JALAN YANG KALSOM, TAMAN JUBILEE.	<b>Address</b>	50, Jalan Yang Kalsom, Taman Jubilee, 30250 Ipoh, Perak
<b>GPS Coordinates</b>	4.591039818977176, 101.0842446353442	<b>GPS Coordinates</b>	4.59084727712721, 101.08448183909255
<b>New Civil Build (M)</b>	350	<b>Existing Civil Build (M)</b>	N/A
<b>New Build Cable (M)</b>	395	<b>Existing Cable (M)</b>	N/A

**Local Council & Authority approval Requirement** : Majlis Bandaraya Ipoh

## 2.2. OSP & ISP BOQ

Overall Proposed OSP Civil Infrastructure Design Distance		Unit	Quantity
1	Horizontal Directional Drilling with 1-way duct	M	350
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	2
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	395

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-LJJYK-0002-000M	4.59084727712721	101.08448183909255	350
2	***	***	***	***
3	***	***	***	***

Overall Propose Manhole & Pole		GPS Coordinate		Distance
No.	Manhole & Pole ID	Latitude	Longitude	Meter
1	MH01 JB30	4.590178	101.084033	250
2	MH02 JB30	4.591061	101.084003	100

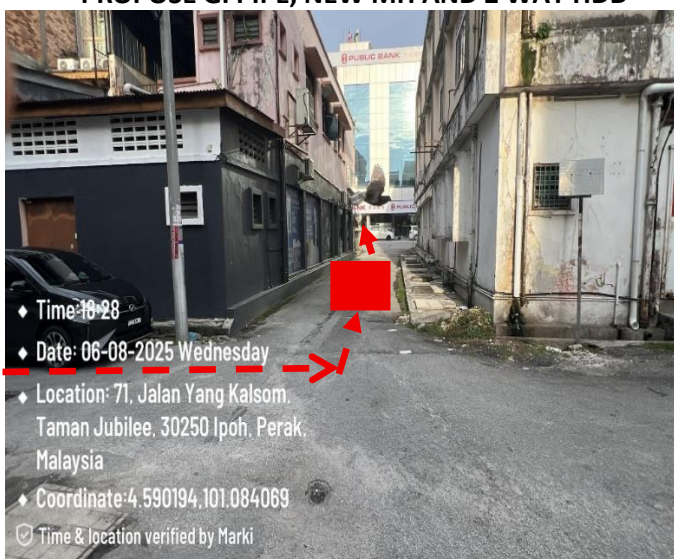
2.4. OSP/ISP Photo Illustration.



**PICTURE 1 : UM T5 CABINET/ROOT TOP BUILDING PROPOSE GI PIPE, NEW MH AND 2 WAY HDD**



**Picture 2: PROPOSE 2 WAY HDD**



**Picture 3: PROPOSE MH AND 2 WAY HDD**



**Picture 4: PROPOSE 2 WAY HDD**



**PICTURE 5 : PROPOSE 2 WAY HDD**



Picture 7 : PROPOSE 2 WAY HDD TO EXISTING MAXIS MH



### 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

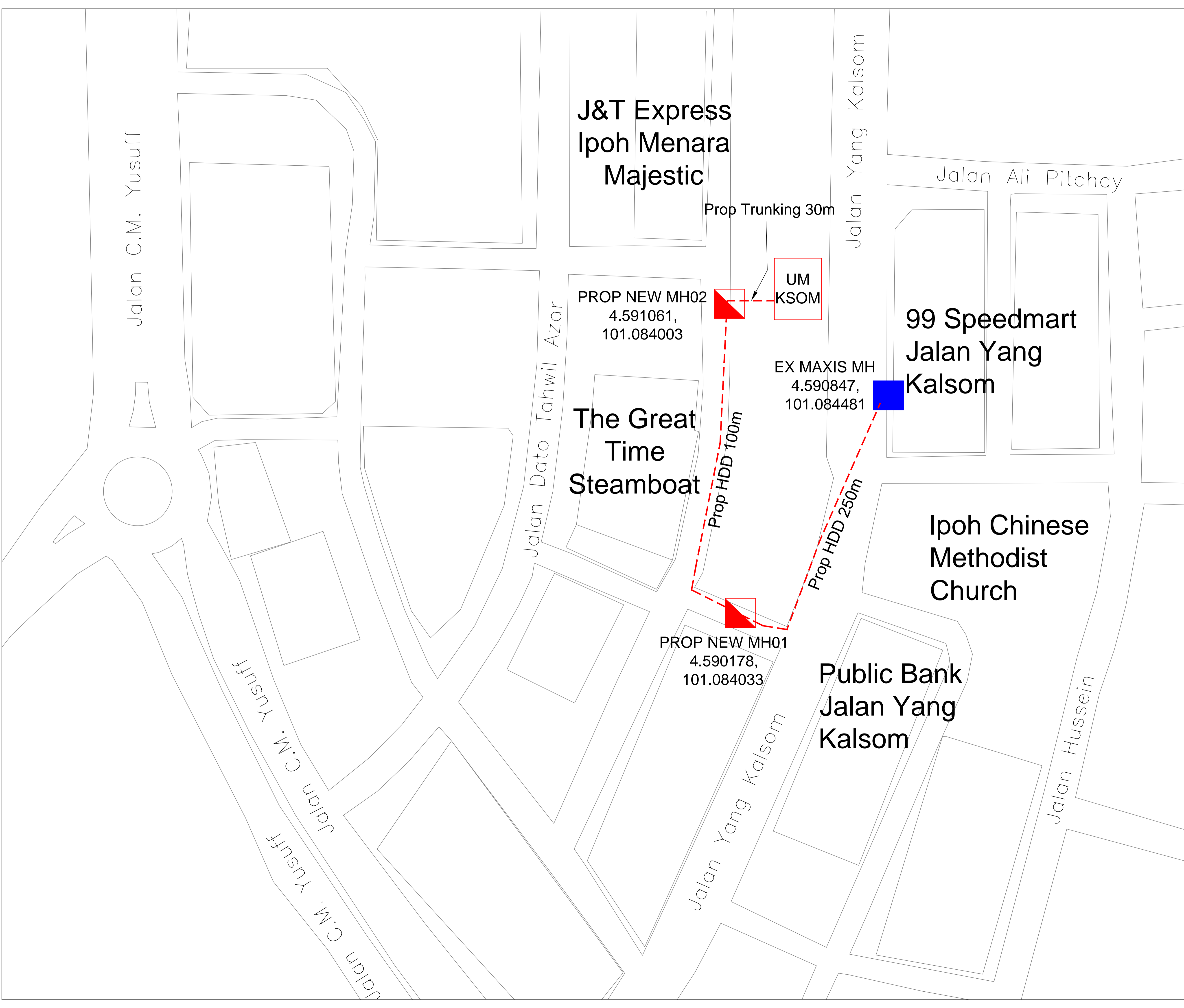


## Acceptance and Authorization

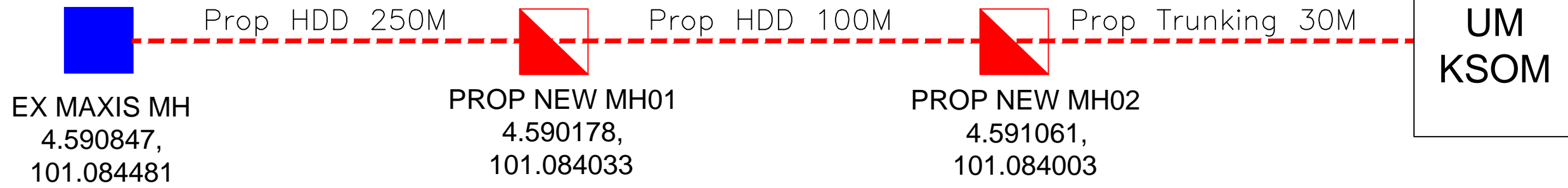
**IN WITNESS WHEREOF**, the parties hereto each acting with proper authority have executed this Technical Proposal under seal.

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

<b>UMobile Sdn Bhd</b>	<b>Maxis Broadband Sdn Bhd</b>
<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><i>Vinod Moorthy</i></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:	KSOM
PROJECT TITLE:	UM5G-KSOM
DWG ID:	UM5G/KSOM/01
DATE:	12 SEPT 2025
SHEET:	01/01
SUMMARY NOTES	
TOTAL CUSTOMER :	1
TOTAL FDC :	N/A
TOTAL FDP:	N/A
TOTAL PROPOSED JOINT:	1
TOTAL PROPOSED MH:	2
TOTAL PROPOSED POLE:	0
TOTAL PROPOSED UG CABLE (m):	365
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:	KSOM
PROJECT TITLE :	UM5G-KSOM
DWG ID:	UM5G/KSOM/SLD/01
DATE:	12 SEPT 2025
SHEET:	01/01

**SUMMARY NOTES**

TOTAL CUSTOMER :	1
TOTAL FDC :	N/A
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**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 :	