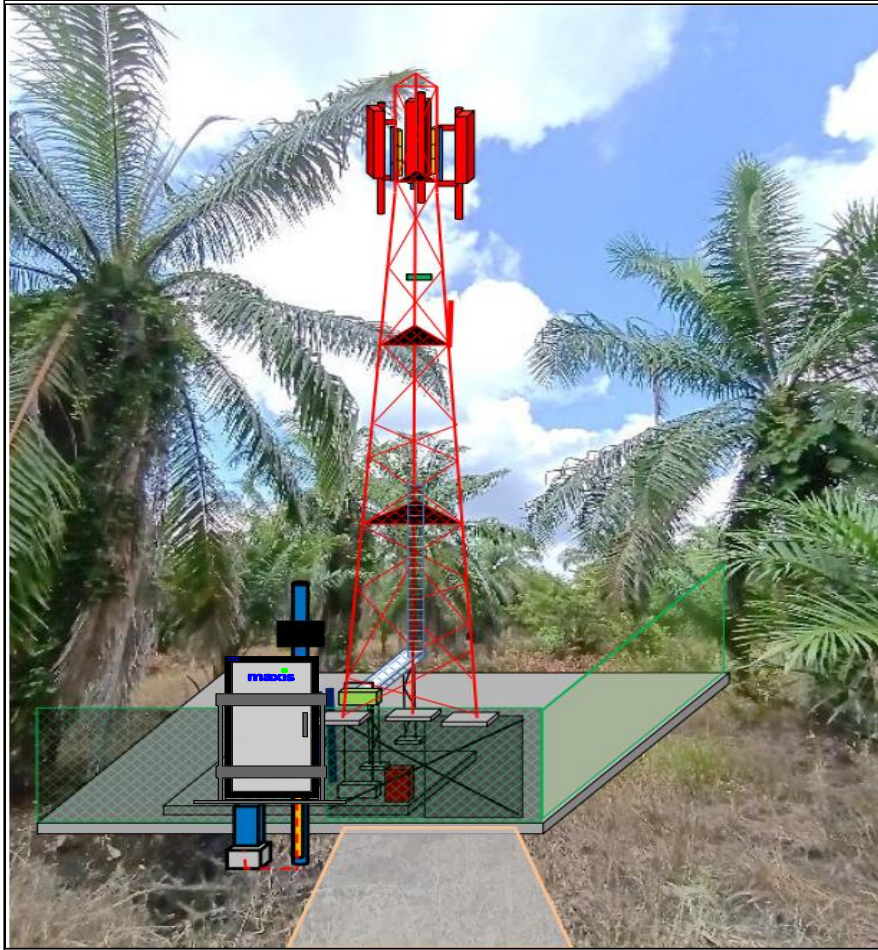




Contractor	IVOCOM (M) Sdn Bhd.
SOW Ref	B12 - OSP Construction & Commissioning
LRD	SLNS-LEKO
Subject	Fiber Technical Proposal



Region	Northern		
KV/OKV	OKV		
Point A	SLNS	Point B	LEKO
Address	AT LOT 1244, GM1893, MUKIM RUNGKUP, BAGAN DATUK, KG SUNGAI BATANG BAROH, SUNGAI BATANG 36200 SELEKOH, PERAK.		
Site A Lat Long	03.869299, 100.789772		
Site B Lat Long	03.893964, 100.808754		
Structure Owner	MAXIS		

Table of Contents

- Section 1: Proposal Sign-off sheet
- Section 2: Outside Plant Civil Infra Design Summary
- Section 3: Vicinity Map
- Section 4: Civil Infrastructure Route Plan & Permint Boundary
- Section 5: Proposed Manhole GPS Coordinates
- Section 6: Cable Infrastructure Route Plan & Proposed Cable Plan
- Section 7: Core Assignment Plan
- Section 8: Outside Plant Site Snapshot
- Section 9: Cabin Information & Floor Plan
- Section 10: Internal Trenching Permit/Snapshot
- Bill of Quantities (BoQ)



Section 1: Proposal Sign-off Sheet

This proposal is contains the civil design proposal for **MAXIS NEW SITE "SLNS-LEKO"**
AT LOT 1244, GM1893, MUKIM RUNGKUP, BAGAN DATUK, KG SUNGAI BATANG
BAROH, SUNGAI BATANG 36200 SELEKOH, PERAK.

All the information presented complied with Maxis Outside Plan technical specification & guidelines:

- Last Mile Telecommunication Systems Design and Survey (GLD/TNE/005)
- GLD/CATE/002 (Outside Plant Design and Build Guideline)
- OSPE GLD/TNE/003(Horizontal Directional Drilling Procedure & Guideline)
- OSPE GLD/TNE/004 (Road Reinstatement Work Guideline)

The proposed construction methodologies, material and Bill of Quantity are verified to be correct.

Ivocom (M) Sdn Bhd

Name: Muhammad Sabree

Designation: Site Supervisor

Signature: *Sabree*

Check & Approved by: Jagatheebhan

Signature: *Jaga*

Submission Date: 21/3/2025

Maxis OSP Detail Design

Name: M Nazim Mahmud

Designation: Transport Network Engineer

Signature: _____

Approval Date: _____

Section 2: Outside Plant Civil Infra Design Summary

Overall proposed OSP Civil Infrastructure Design Distance	1690	meter
a. Horizontal directional drilling	0	meter
b. Carriage way open cut trenching	0	meter
c. Grass verge open cut trenching	0	meter
d. Micro-trenching (mT)	0	meter
e. Maxis Pole = 50ea	1690	meter
f. Cable trunking	0	meter
g. GI Pipes Crossing/Riser	0	meter
h. Cable Ladder	0	meter
i. Duct GI	0	meter

ITP trunking/riser length	0	meter
ITP cable length from Maxis fiber tapping point to new termination point at building/cabin	1,903.00	meter
No. of proposed manhole	0	pc
Area of miling work required	0	meter

Local council & authority approval requirement	1690	meter
a. KEMENTERIAN PEMBANGUNAN LUAR BANDAR	1560	meter
b. LAND OWNER	130	meter
c.		meter

Estimated Cost of the Scheme/Project	#REF!	RM
--------------------------------------	-------	----

Type of building:	TOWER
Address:	AT LOT 1244, GM1 893, MUKIM RUNGKUP, BAGAN DATUK, KG SUNGAI BATANG BAROH, SUNGAI BATANG 36200 SELEKOH, PERAK.
Contact person:	
Contact no.:	

**Existing Infrastructure Information**

Preceding duct/sub-duct space	Existing manhole at TAPPING EXIST MAXIS MH at JALAN
Preceding duct/sub-duct condition	Existing duct and subduct have to test
Existing cable/fiber condition	TBD wants the design for all cluster is completed
Existing sites power & space	Space available

Tenaga Pole Option

TNB pole availability	N/A
Distance of the TNB poles	N/A
Constraint	N/A

Other Highlights/Remarks

[MAXIS NEW SITE \(SITE NOT READY\)](#)

SLA

Date Survey Triggered

Survey Done (Days)	TP Submission (Days)
3	14

Implementation

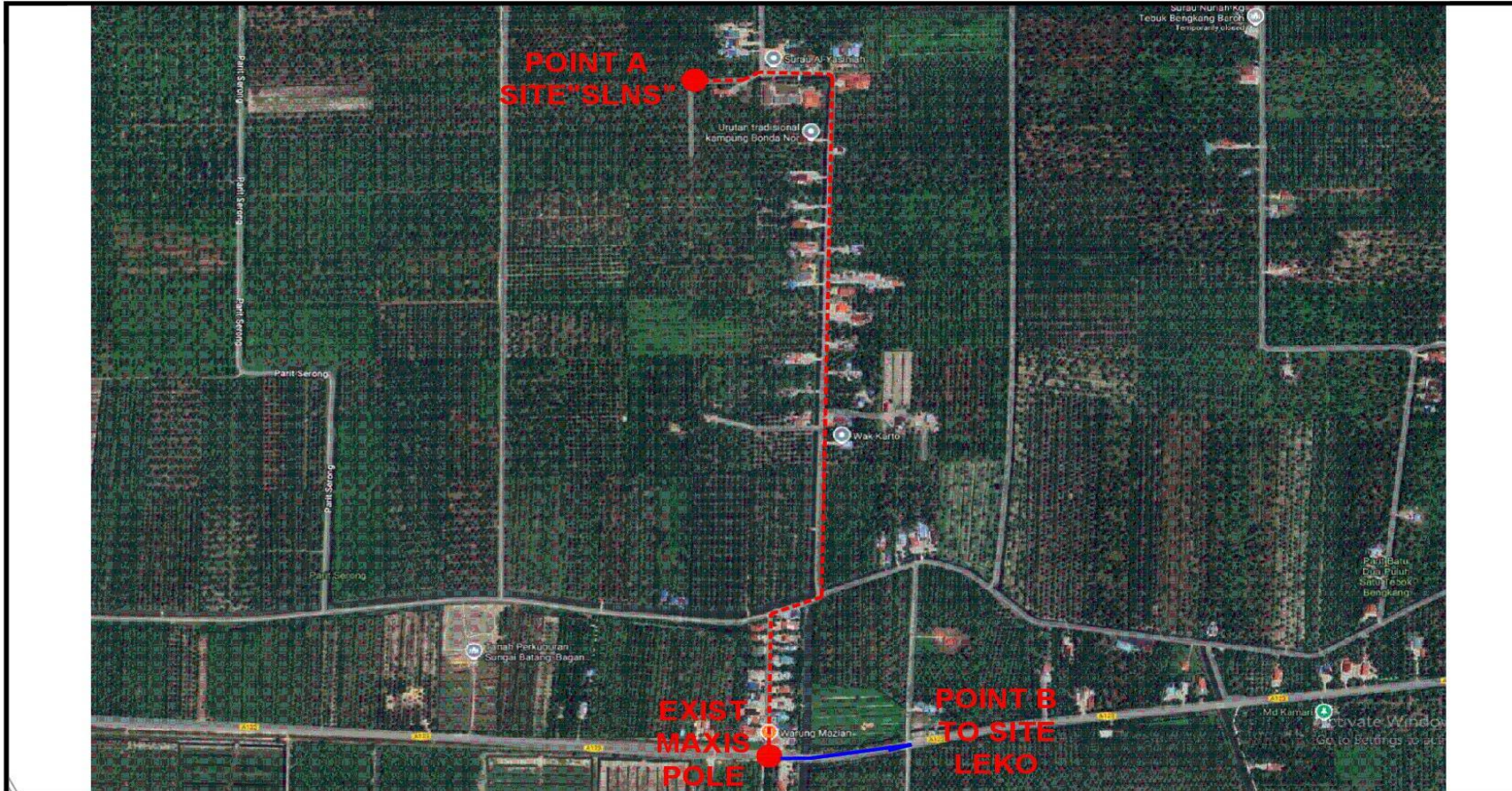
Method	Distance (m)	CW (Days)
Underground	0	60
Pole	0	0
Total	0	60

Date TP Submission **17/Jan/00**
Date CW Completed **20/Mar/00**

Section 3

Vicinity Map





 <p>MAXIS BROADBAND SDN BHD Level 5-9, 11, 14-25 & 29-30 Menara Maxis Kuala Lumpur City Centre Off Jalan Ampang 50088 50088 Kuala Lumpur</p>	<p>Title: LOCATION PLAN FOR MAXIS SITE 'SLNS-LEKO' AT LOT 1244, GM1893, MUKIM RUNGKUP, BAGAN DATUK, KG SUNGAI BATANG BAROH, SUNGAI BATANG 36200 SELEKOH, PERAK.</p>	<p>Designed by: IVOCOM (M) SDN BHD</p>	<p>Checked by: M. NAZIM MAHMUD</p>	<p>Approved by: M. NAZIM MAHMUD</p>	
	<p>Prepared by: IVOCOM (M) SDN BHD</p>	<p>Date: 20/03/2025</p>	<p>Sheet no : 1 OF 4</p>	<p>Rev:</p>	
	<p>Job No:</p>	<p>File:</p>			

LEGEND



Proposed MH



Existing MH



Proposed duct

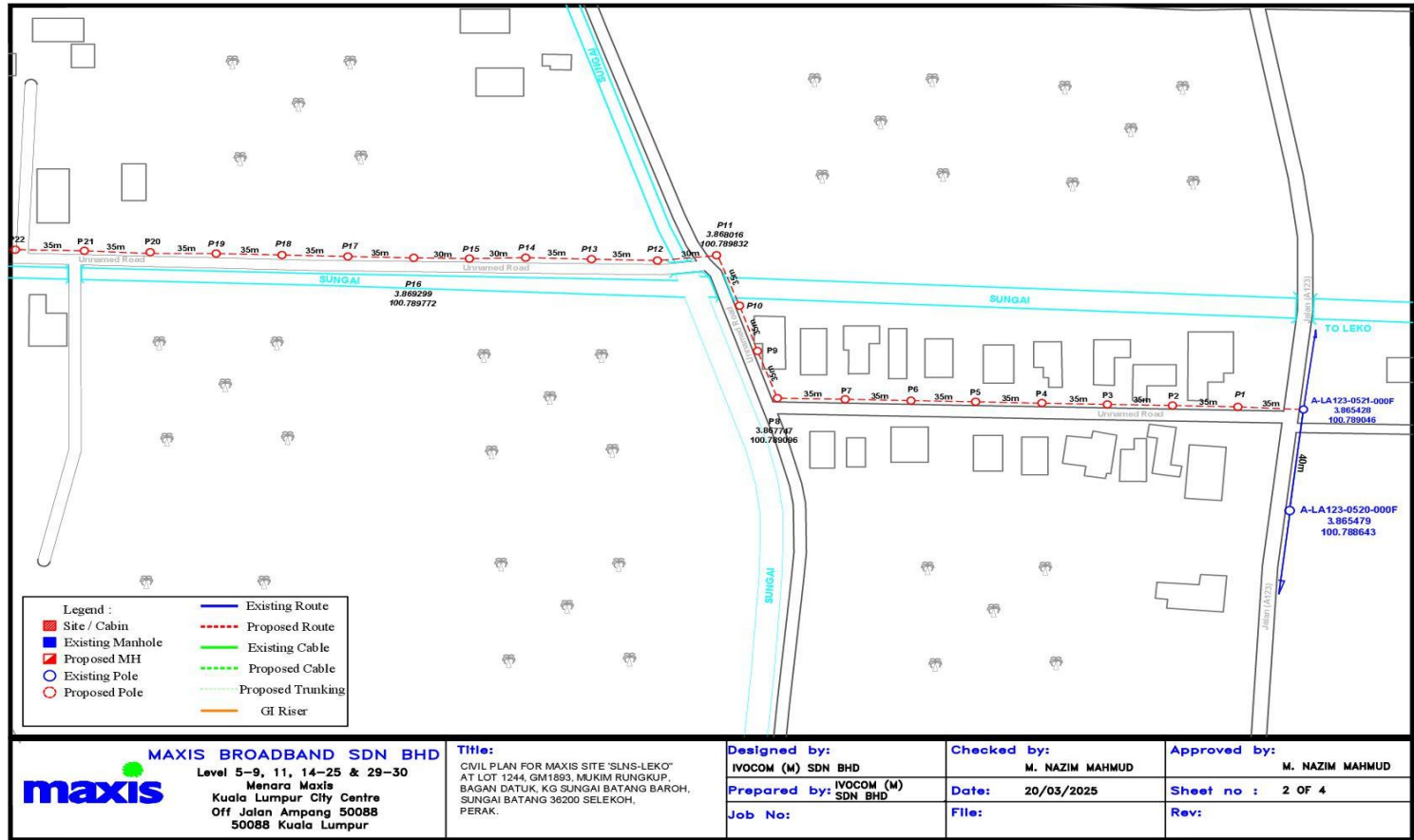


Existing duct

Section 4

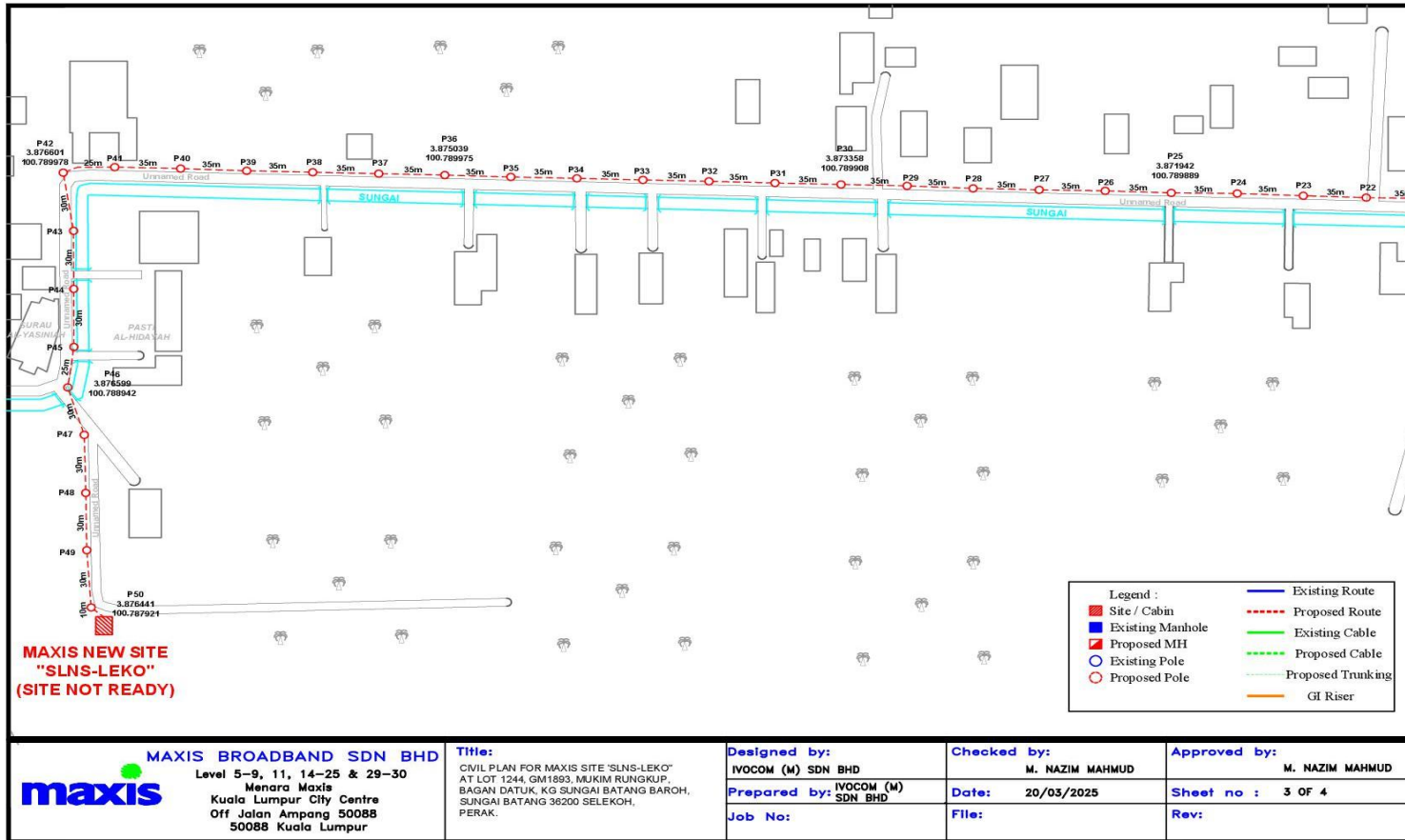
Civil Infrastructure Route Plan & Permit Boundary





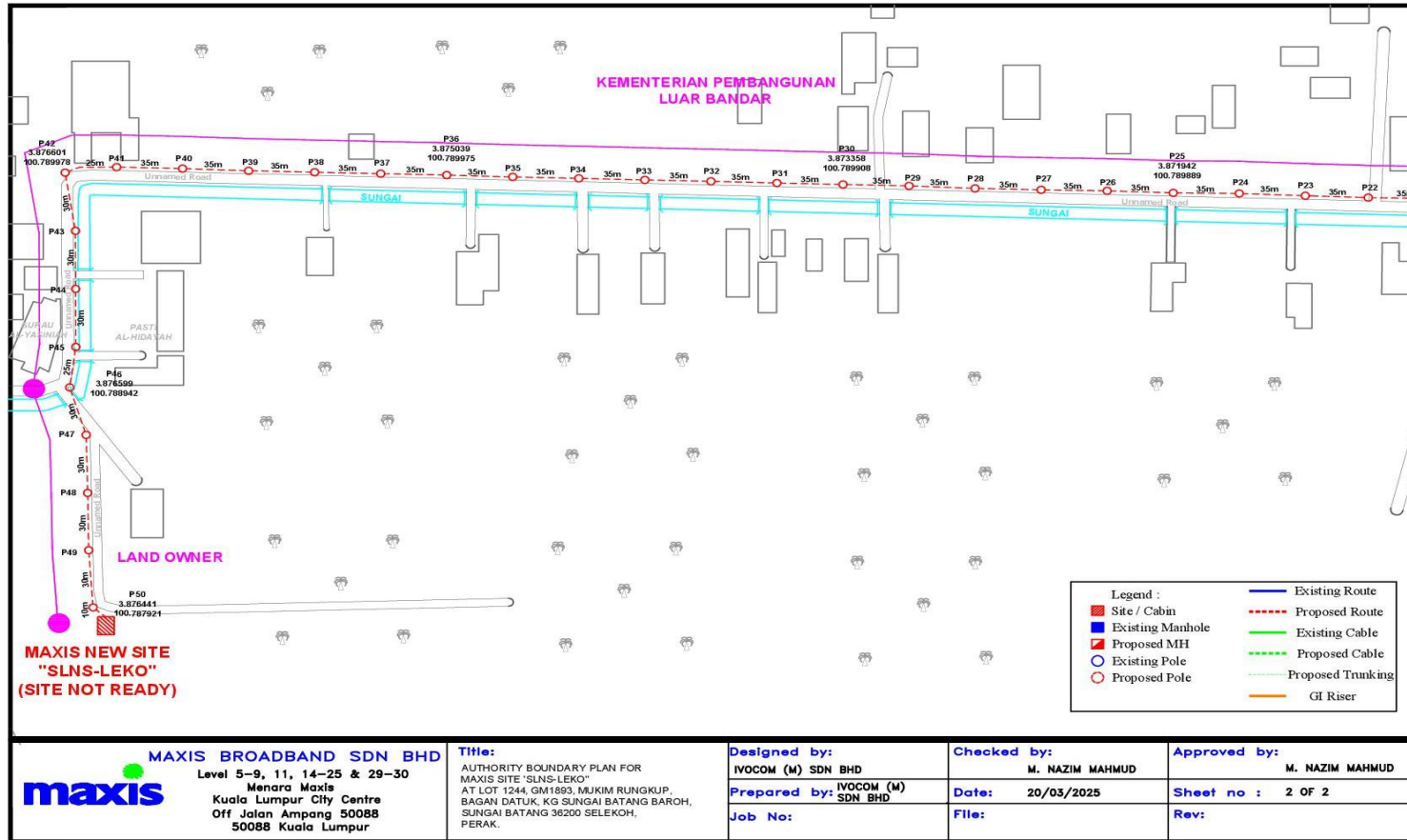
LEGEND





LEGEND





LEGEND



Proposed MH



Existing MH



Proposed duct



Existing duct



Permit Boundary

Section 5: Proposed Manhole GPS Coordinate

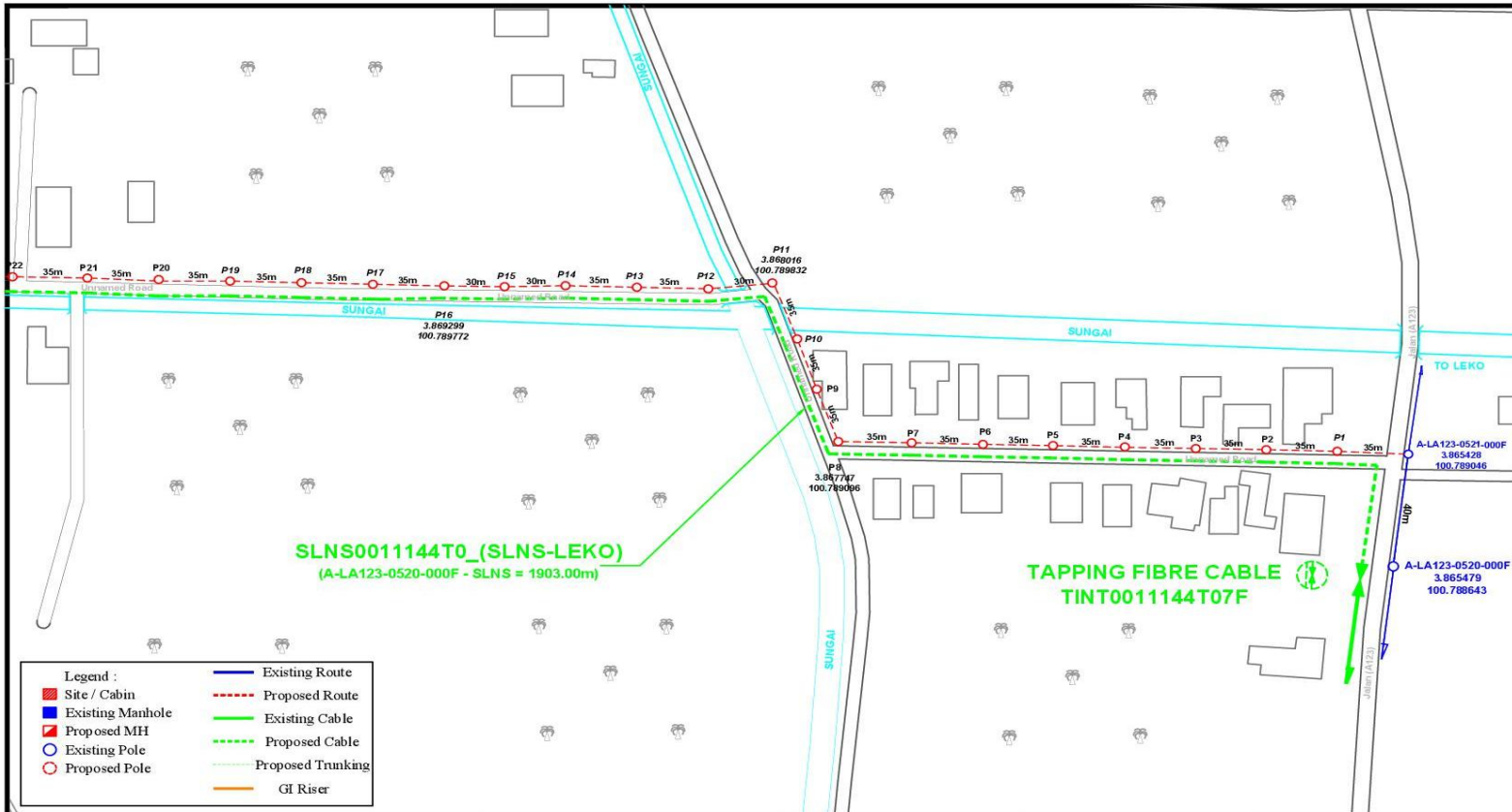
Structure A	Structure B	Lat. A (Dec)	Long. A (Dec)	Proposed Method	Distance Breakdown (m)
A-LA123-0521-000F	P1	3.865428	100.789046	POLE	35
P1	P2	3.865738	100.789044	POLE	35
P2	P3	3.865954	100.789049	POLE	35
P3	P4	3.866266	100.789046	POLE	35
P4	P5	3.866534	100.789053	POLE	35
P5	P6	3.866809	100.789075	POLE	35
P6	P7	3.867127	100.789065	POLE	35
P7	P8	3.867454	100.789093	POLE	35
P8	P9	3.867747	100.789096	POLE	35
P9	P10	3.867853	100.789354	POLE	35
P10	P11	3.867913	100.789565	POLE	35
P11	P12	3.868016	100.789832	POLE	30
P12	P13	3.868236	100.78978	POLE	35
P13	P14	3.868586	100.78979	POLE	35
P14	P15	3.868823	100.789794	POLE	30
P15	P16	3.869044	100.789802	POLE	30
P16	P17	3.869299	100.789772	POLE	35
P17	P18	3.869601	100.789799	POLE	35
P18	P19	3.869824	100.789812	POLE	35
P19	P20	3.870123	100.789812	POLE	35
P20	P21	3.870498	100.789836	POLE	35
P21	P22	3.870779	100.789852	POLE	35
P22	P23	3.871065	100.789852	POLE	35
P23	P24	3.871354	100.78985	POLE	35
P24	P25	3.871649	100.789869	POLE	35
P25	P26	3.871942	100.789889	POLE	35
P26	P27	3.872235	100.789882	POLE	35
P27	P28	3.872518	100.78989	POLE	35
P28	P29	3.872805	100.789903	POLE	35
P29	P30	3.873072	100.789911	POLE	35
P30	P31	3.873358	100.789908	POLE	35
P31	P32	3.873642	100.789928	POLE	35
P32	P33	3.873915	100.789946	POLE	35
P33	P34	3.87414	100.789941	POLE	35
P34	P35	3.874434	100.78993	POLE	35
P35	P36	3.874716	100.789946	POLE	35
P36	P37	3.875039	100.789975	POLE	35
P37	P38	3.875292	100.789963	POLE	35
P38	P39	3.875571	100.789982	POLE	35
P39	P40	3.875854	100.78999	POLE	35
P40	P41	3.876142	100.790003	POLE	35
P41	P42	3.876384	100.790021	POLE	25
P42	P43	3.876601	100.789978	POLE	30
P43	P44	3.876579	100.789714	POLE	30
P44	P45	3.876578	100.789428	POLE	30
P45	P46	3.876574	100.78914	POLE	25
P46	P47	3.876599	100.788942	POLE	30
P47	P48	3.876523	100.788743	POLE	30
P48	P49	3.876503	100.788449	POLE	30
P49	P50	3.876491	100.788202	POLE	30

P50	MAXIS SITE SLNS	3.876441	100.787921	POLE	10
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Section 6

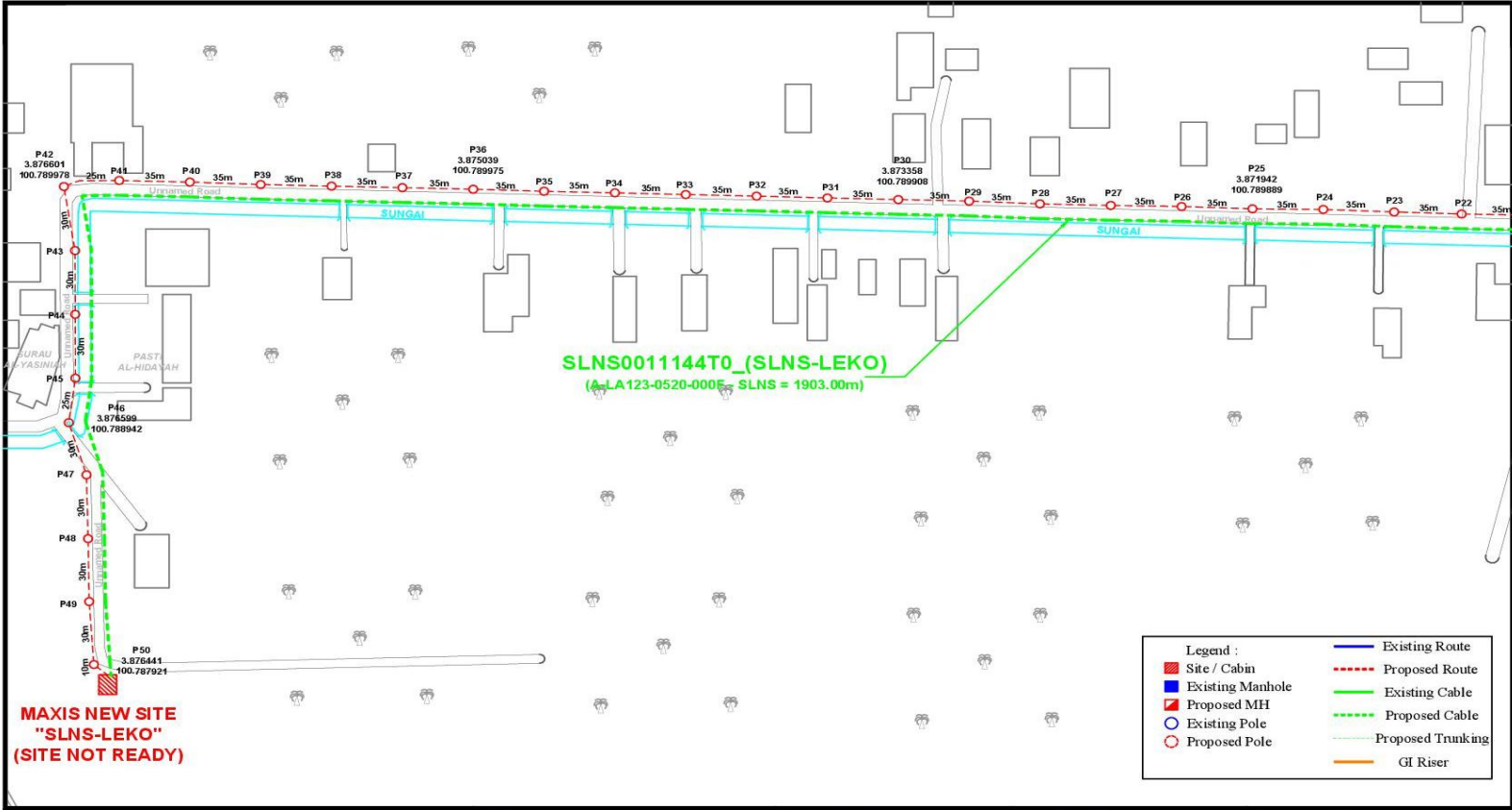
**Cable Infrastructure
Route Plan
&
Proposed Cable Plan**





Legend :	
	Site / Cabin
	Existing Manhole
	Proposed MH
	Existing Pole
	Proposed Pole
	Existing Route
	Proposed Route
	Existing Cable
	Proposed Cable
	Proposed Trunking
	GI Riser

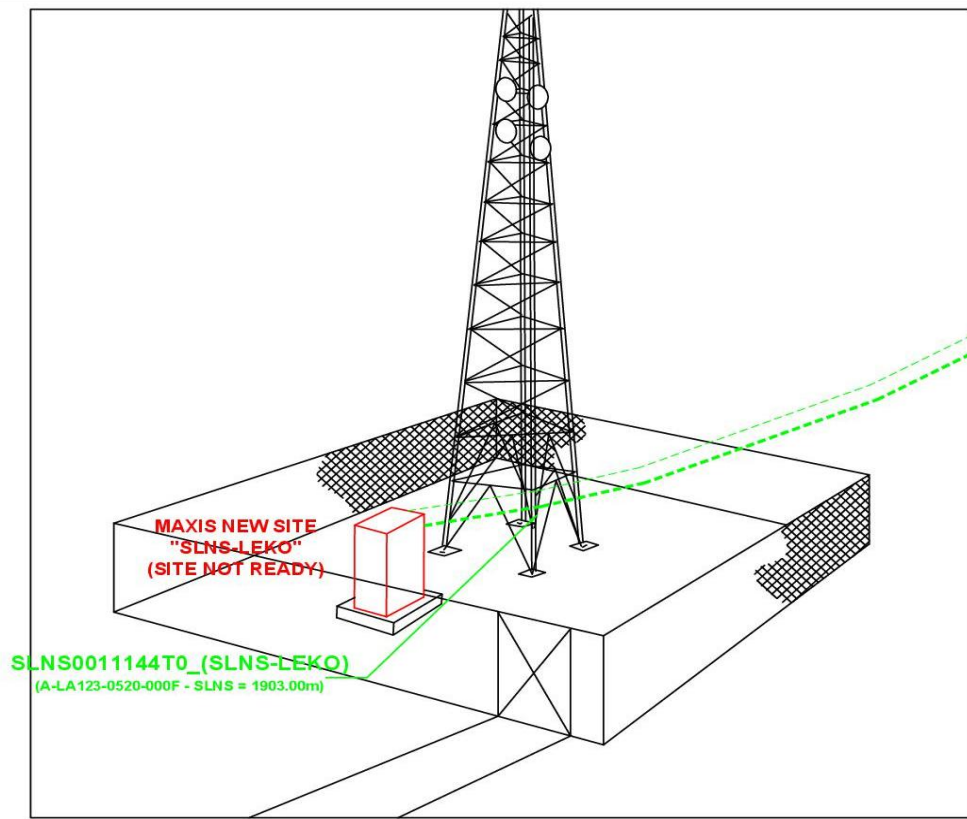
<p>MAXIS BROADBAND SDN BHD Level 5-9, 11, 14-25 & 29-30 Menara Maxis Kuala Lumpur City Centre Off Jalan Ampang 50088 50088 Kuala Lumpur</p>	Title: SLD FIBRE CABLE 144 CORE PLAN FOR SITE "SLNS-LEKO" CABLE NAME: SLNS001144T0_(SLNS-LEKO)	Designed by: IVOCOM (M) SDN BHD	Checked by: M. NAZIM MAHMUD	Approved by: M. NAZIM MAHMUD
		Prepared by: IVOCOM (M) SDN BHD	Date: 20/03/2025	Sheet no : 1 OF 5
		Job No:	File:	Rev:



**MAXIS NEW SITE
"SLNS-LEKO"
(SITE NOT READY)**

Legend :	
	Site / Cabin
	Existing Route
	Proposed Route
	Existing Manhole
	Proposed MH
	Existing Cable
	Existing Pole
	Proposed Cable
	Proposed Pole
	GI Riser
	Proposed Trunking

<p>MAXIS BROADBAND SDN BHD Level 5-9, 11, 14-25 & 29-30 Menara Maxis Kuala Lumpur City Centre Off Jalan Ampang 50088 50088 Kuala Lumpur</p>	<p>Title: SLD FIBRE CABLE 144 CORE PLAN FOR SITE "SLNS-LEKO" CABLE NAME: SLNS0011144T0_(SLNS-LEKO)</p>	<p>Designed by: IVOCOM (M) SDN BHD</p>	<p>Checked by: M. NAZIM MAHMUD</p>	<p>Approved by: M. NAZIM MAHMUD</p>
	<p>Prepared by: IVOCOM (M) SDN BHD</p>	<p>Date: 20/03/2025</p>	<p>Sheet no : 2 OF 5</p>	
	<p>Job No:</p>	<p>File:</p>	<p>Rev:</p>	



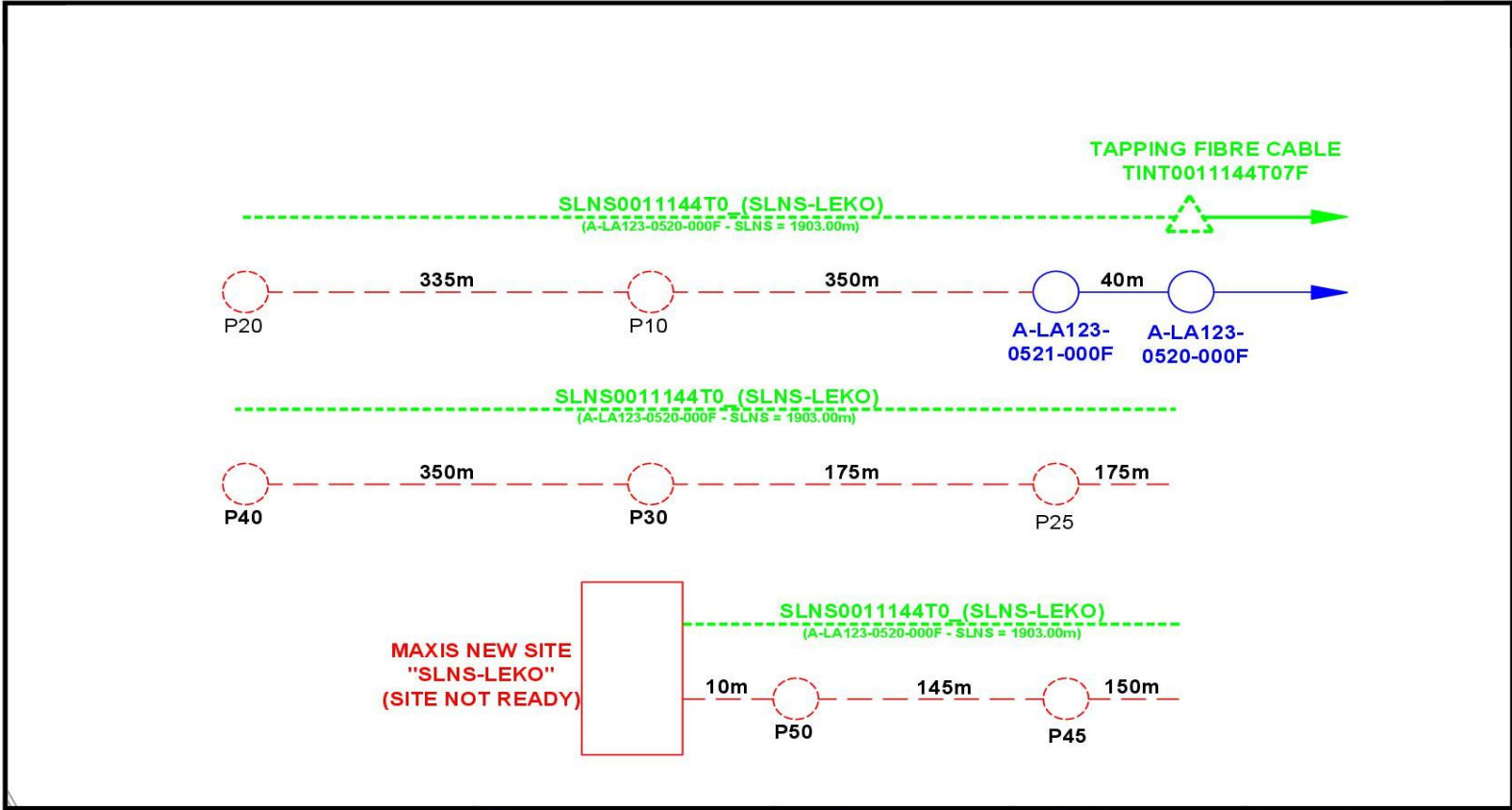
MAXIS BROADBAND SDN BHD
maxis
 Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
 SLD FIBRE CABLE 144 CORE PLAN
 FOR SITE "SLNS-LEKO"
 CABLE NAME: SLNS0011144TO_(SLNS-LEKO)

Designed by:
 IVOCOM (M) SDN BHD
Prepared by: IVOCOM (M)
 SDN BHD
Job No:

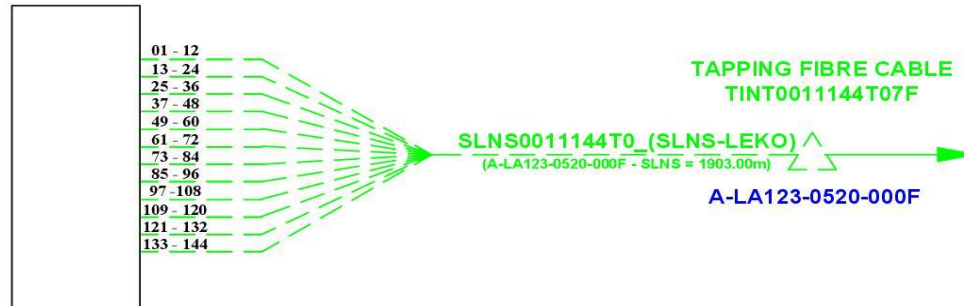
Checked by:
 M. NAZIM MAHMUD
Date: 20/03/2025
File:

Approved by:
 M. NAZIM MAHMUD
Sheet no : 3 OF 5
Rev:



 MAXIS BROADBAND SDN BHD Level 5-9, 11, 14-25 & 29-30 Menara Maxis Kuala Lumpur City Centre Off Jalan Ampang 50088 50088 Kuala Lumpur	Title: SLD FIBRE CABLE 144 CORE PLAN FOR SITE "SLNS-LEKO" CABLE NAME: SLNS0011144T0_(SLNS-LEKO)	Designed by: IVOCOM (M) SDN BHD	Checked by: M. NAZIM MAHMUD	Approved by: M. NAZIM MAHMUD
		Prepared by: IVOCOM (M) SDN BHD	Date: 20/03/2025	Sheet no : 4 OF 5
		Job No:	File:	Rev:

**MAXIS NEW SITE
"SLNS-LEKO"
(SITE NOT READY)**



MAXIS BROADBAND SDN BHD

 Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
 SLD FIBRE CABLE 144 CORE PLAN
 FOR SITE "SLNS-LEKO"
 CABLE NAME: SLNS0011144T0_(SLNS-LEKO)

Designed by:
 IVOCOM (M) SDN BHD
Prepared by:
 IVOCOM (M)
 SDN BHD
Job No:

Checked by:
 M. NAZIM MAHMUD
Date: 20/03/2025
File:

Approved by:
 M. NAZIM MAHMUD
Sheet no : 5 OF 5
Rev:

MAXIS BROADBAND SDN BHD.

CABLE CUTTING PLAN

PROJECT DETAIL (OSP)	:	
PROJECT NAME	:	PROPOSED NEW CABLE FIBRE 144 CORES TO SITE "SLNS-LEKO"
PROJECT TYPE	:	
TITLE	:	
PROJECT CADE	:	
CONTRACTOR	:	IVOCOM (M) SDN.BHD.
PROJECT MANAGER	:	
LOCATION	:	AT LOT 1244, GM1893, MUKIM RUNGKUP, BAGAN DATUK, KG SUNGAI BATANG BAROH, SUNGAI BATANG 36200 SELEKOH, PERAK.
QUANTITY REQUESTED	:	
REQUIRED DATE	:	

NO	SECTION			CABLE SIZE	ROUTE DISTANCE (METER)	CABLE ALLOWONES (METER)	ACTUAL CABLE LENGTH	SPLICING/ TERMINATION POINT	REMARKS
		TO							
1	A-LA123-0520-000F	TO	A-LA123-0521-000F	144CORE	40	4.00	44.00	TAPING	EXIST MAXIS POLE
2	A-LA123-0521-000F	TO	P1	144CORE	35	3.50	38.50		
3	P1	TO	P2	144CORE	35	3.50	38.50		
4	P2	TO	P3	144CORE	35	3.50	38.50		
5	P3	TO	P4	144CORE	35	3.50	38.50		
6	P4	TO	P5	144CORE	35	3.50	38.50		
7	P5	TO	P6	144CORE	35	3.50	38.50		
8	P6	TO	P7	144CORE	35	3.50	38.50		
9	P7	TO	P8	144CORE	35	3.50	38.50		
10	P8	TO	P9	144CORE	35	3.50	38.50		
11	P9	TO	P10	144CORE	35	3.50	38.50		
12	P10	TO	P11	144CORE	35	3.50	38.50		
13	P11	TO	P12	144CORE	30	3.00	33.00		
14	P12	TO	P13	144CORE	35	3.50	38.50		
15	P13	TO	P14	144CORE	35	3.50	38.50		
16	P14	TO	P15	144CORE	30	3.00	33.00		
17	P15	TO	P16	144CORE	30	3.00	33.00		
18	P16	TO	P17	144CORE	35	3.50	38.50		
19	P17	TO	P18	144CORE	35	3.50	38.50		
20	P18	TO	P19	144CORE	35	3.50	38.50		
21	P19	TO	P20	144CORE	35	3.50	38.50		
22	P20	TO	P21	144CORE	35	3.50	38.50		
23	P21	TO	P22	144CORE	35	3.50	38.50		
24	P22	TO	P23	144CORE	35	3.50	38.50		
25	P23	TO	P24	144CORE	35	3.50	38.50		
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27	P25	TO	P26	144CORE	35	3.50	38.50		

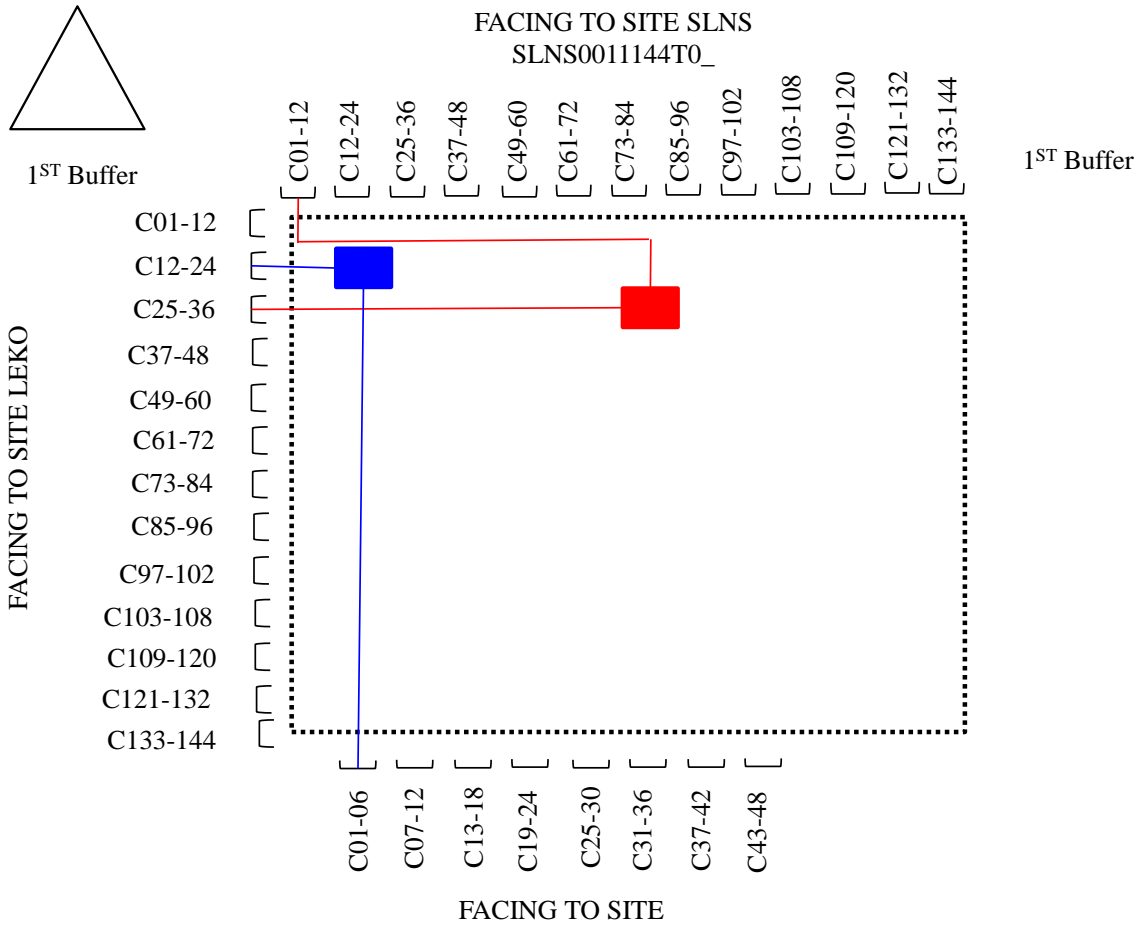
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32	P30	TO	P31	144CORE	35	3.50	38.50		
33	P31	TO	P32	144CORE	35	3.50	38.50		
34	P32	TO	P33	144CORE	35	3.50	38.50		
35	P33	TO	P34	144CORE	35	3.50	38.50		
36	P34	TO	P35	144CORE	35	3.50	38.50		
37	P35	TO	P36	144CORE	35	3.50	38.50		
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43	P41	TO	P42	144CORE	25	2.50	27.50		
44	P42	TO	P43	144CORE	30	3.00	33.00		
45	P43	TO	P44	144CORE	30	3.00	33.00		
46	P44	TO	P45	144CORE	30	3.00	33.00		
47	P45	TO	P46	144CORE	25	2.50	27.50		
48	P46	TO	P47	144CORE	30	3.00	33.00		
49	P47	TO	P48	144CORE	30	3.00	33.00		
50	P48	TO	P49	144CORE	30	3.00	33.00		
51	P49	TO	P50	144CORE	30	3.00	33.00		
52	P50	TO	MAXIS SITE"SLNS"	144CORE	10	1.00	11.00	TERMINATION	MAXIS SITE"SLNS"
					1,730.00		1,903.00		

Section 7

Core Assignment Plan



*Legend: *Blue* - existing (black line change to blue), *Red* - Proposed



LEGEND

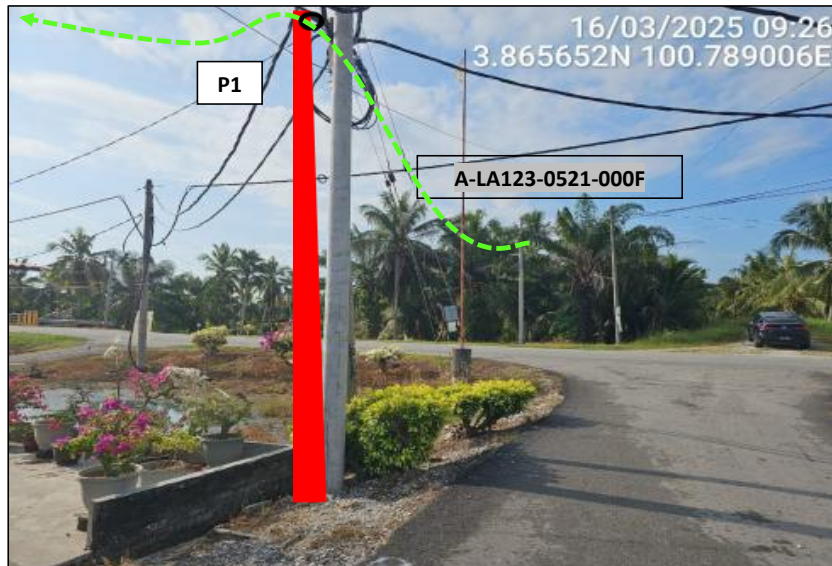


Section 8: Outside Plant Site Snapshot

Photo 1

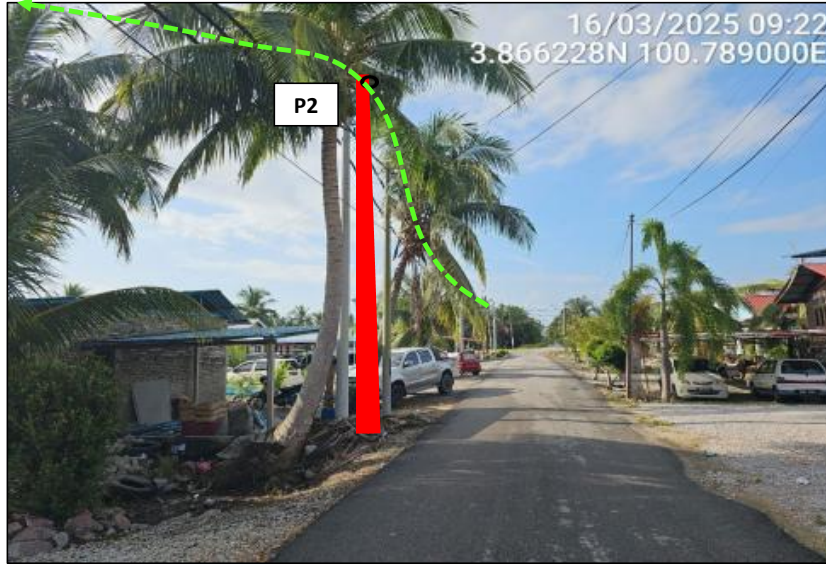


LOCATION AT JALAN (A123)

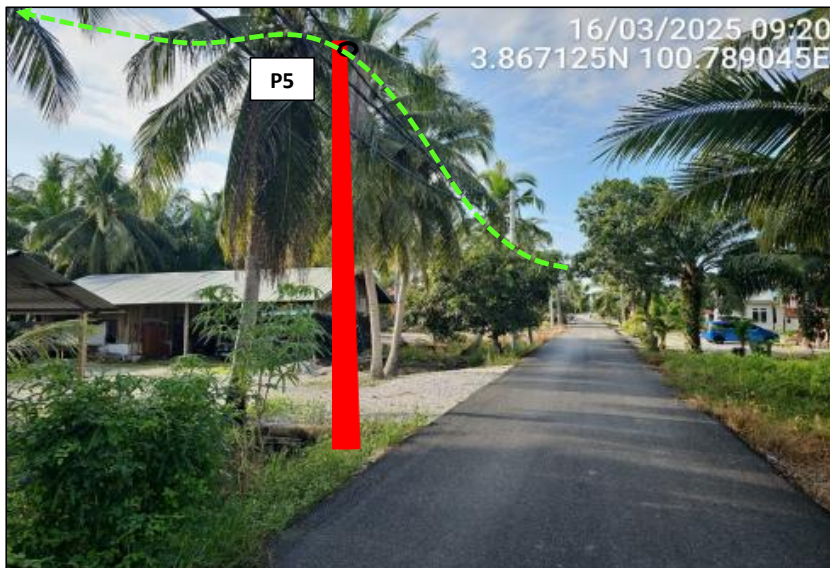


LOCATION AT UNNAMED ROAD

Photo 2

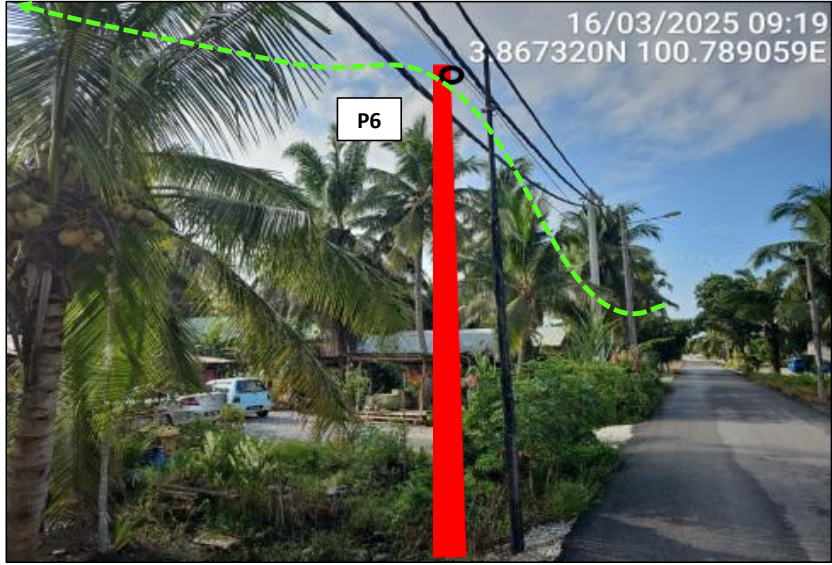


LOCATION AT UNNAMED ROAD



LOCATION AT UNNAMED ROAD

Photo 3

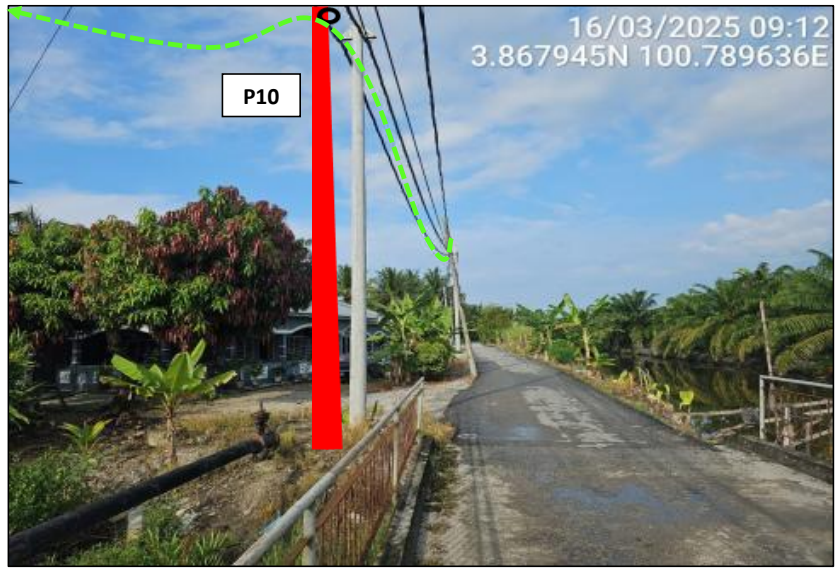


LOCATION AT UNNAMED ROAD



LOCATION AT UNNAMED ROAD

Photo 4

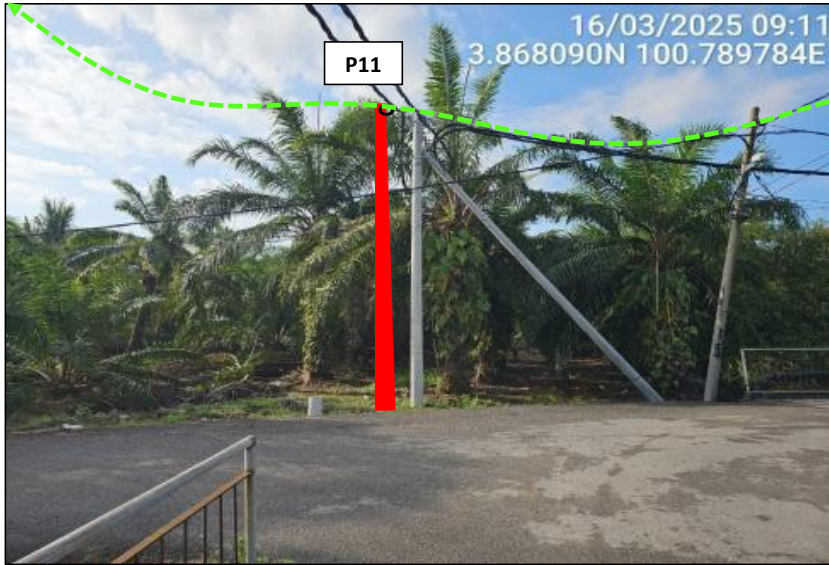


LOCATION AT UNNAMED ROAD

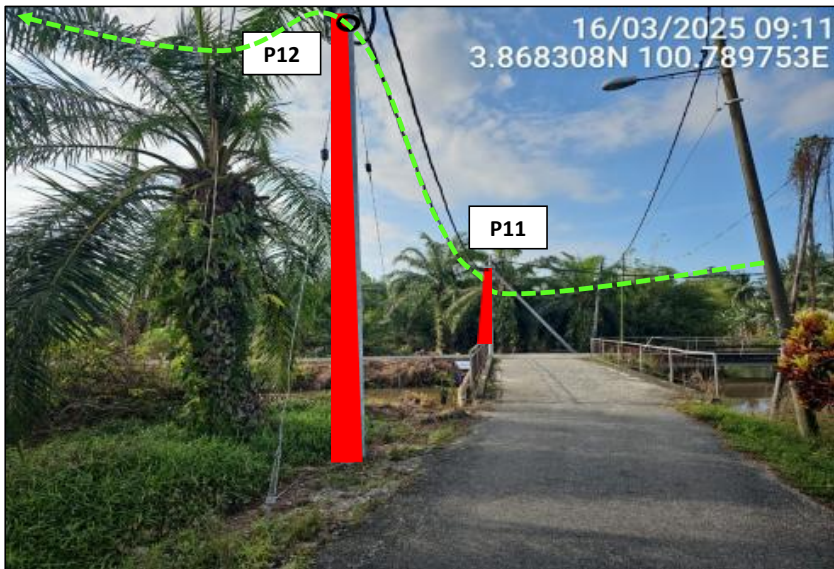


LOCATION AT UNNAMED ROAD

Photo 5



LOCATION AT UNNAMED ROAD

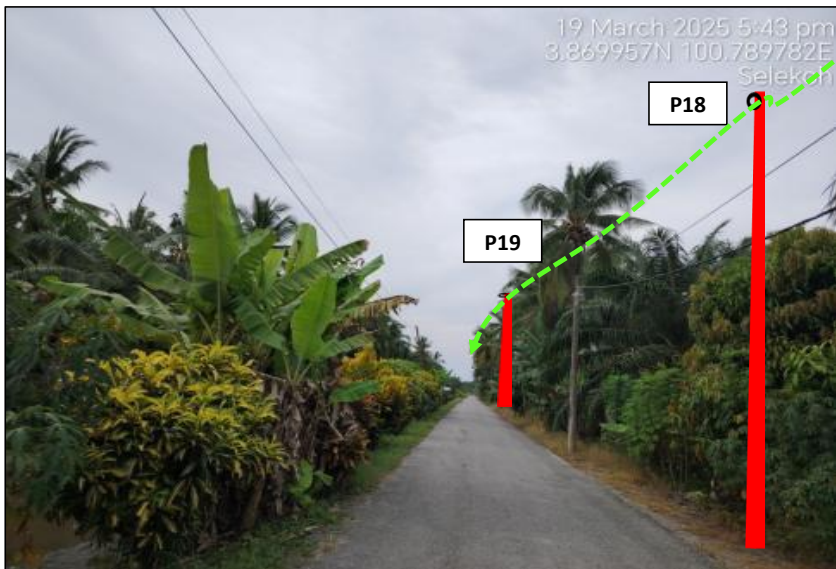


LOCATION AT UNNAMED ROAD

Photo 6

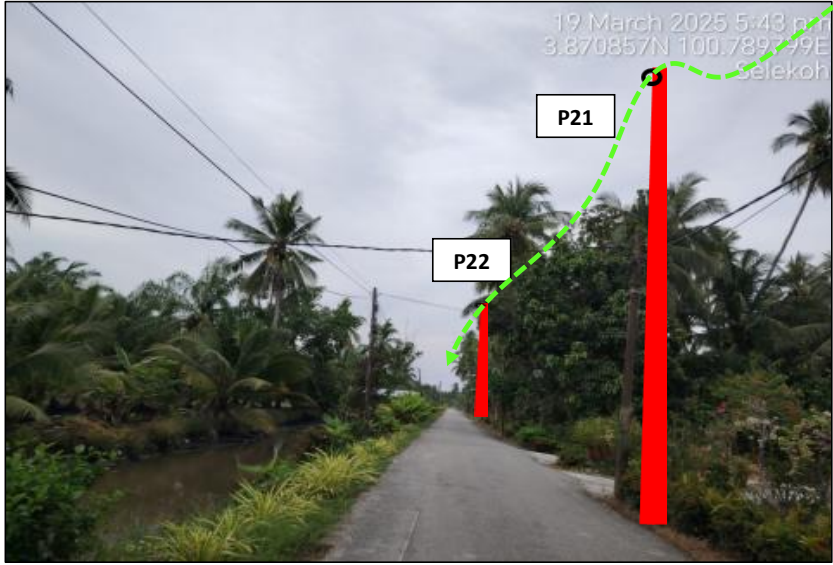


LOCATION AT UNNAMED ROAD

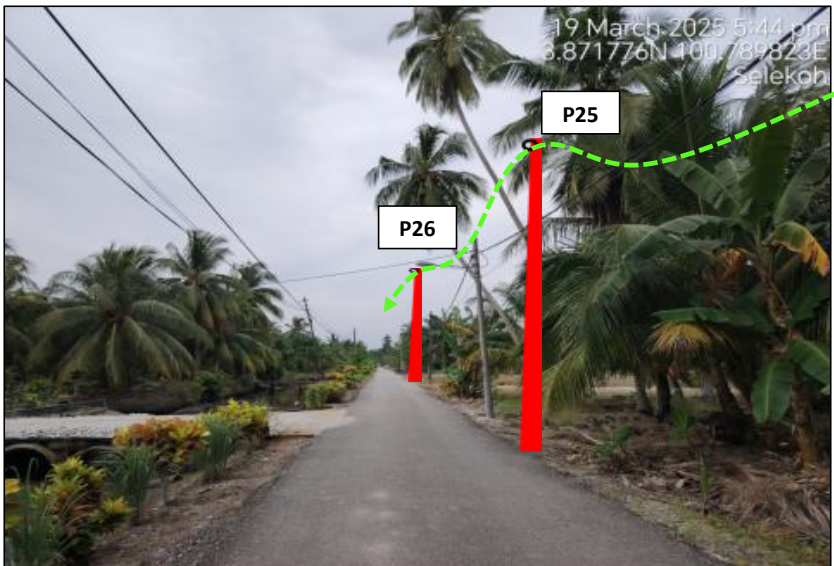


LOCATION AT UNNAMED ROAD

Photo 7

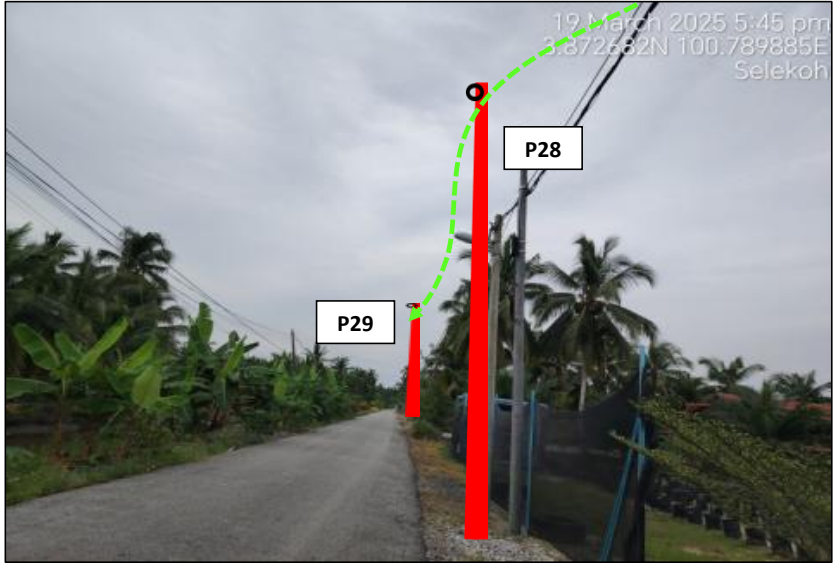


LOCATION AT UNNAMED ROAD

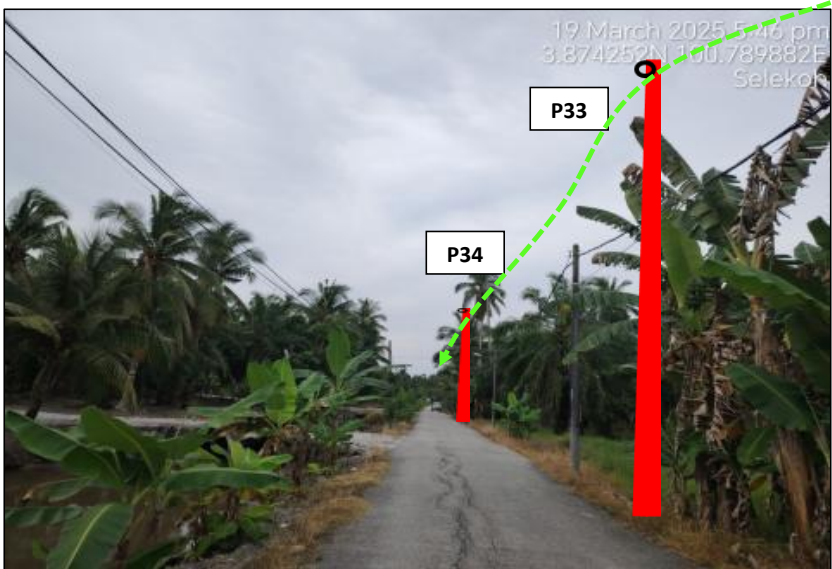


LOCATION AT UNNAMED ROAD

Photo 8



LOCATION AT UNNAMED ROAD

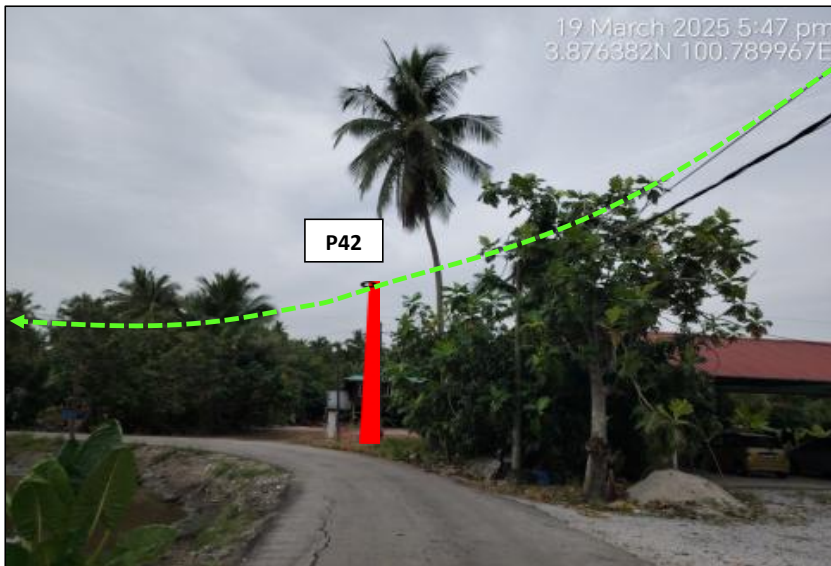


LOCATION AT UNNAMED ROAD

Photo 9

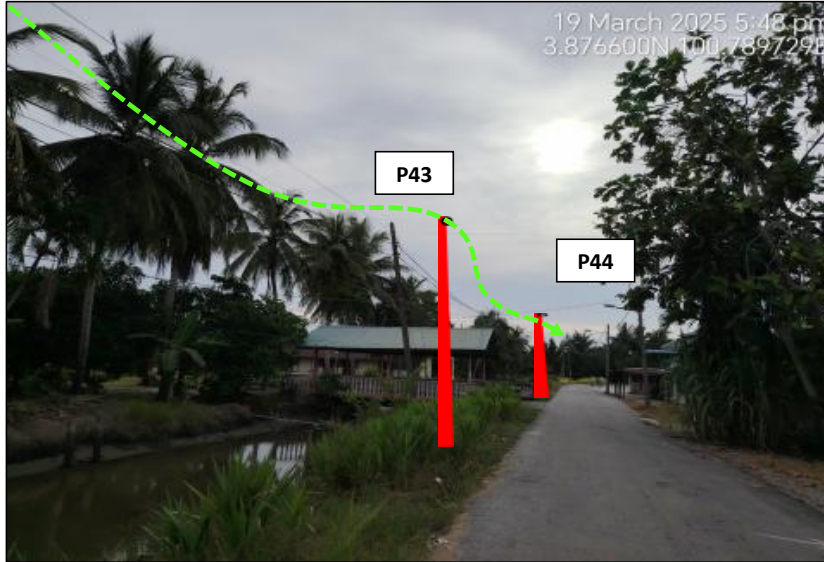


LOCATION AT UNNAMED ROAD



LOCATION AT UNNAMED ROAD

Photo 10

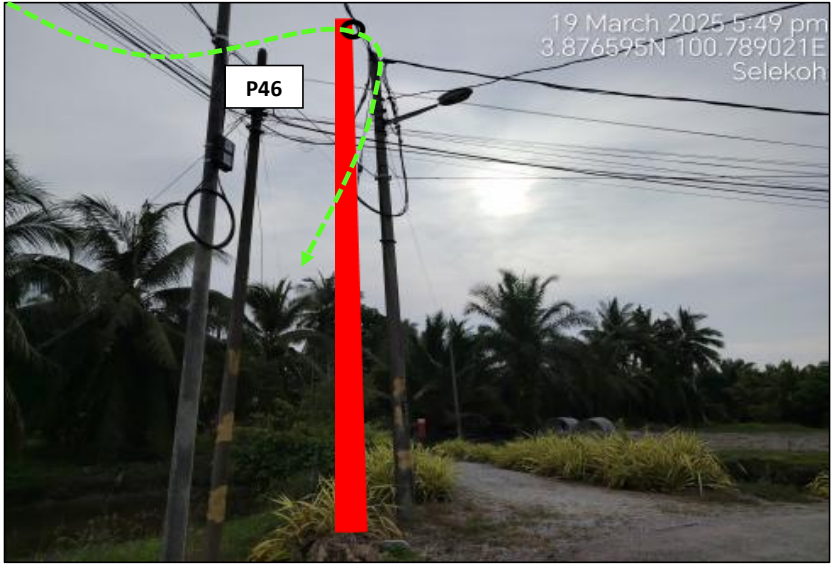


LOCATION AT UNNAMED ROAD

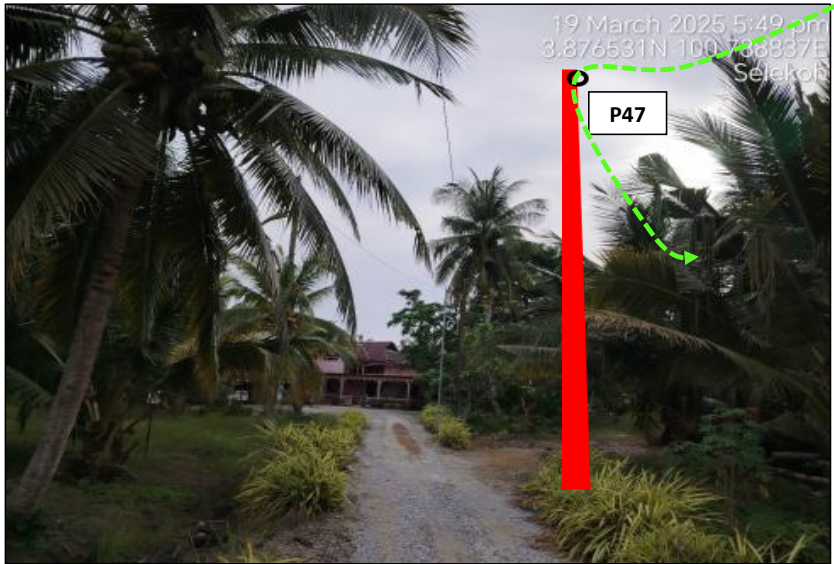


LOCATION AT UNNAMED ROAD

Photo 11

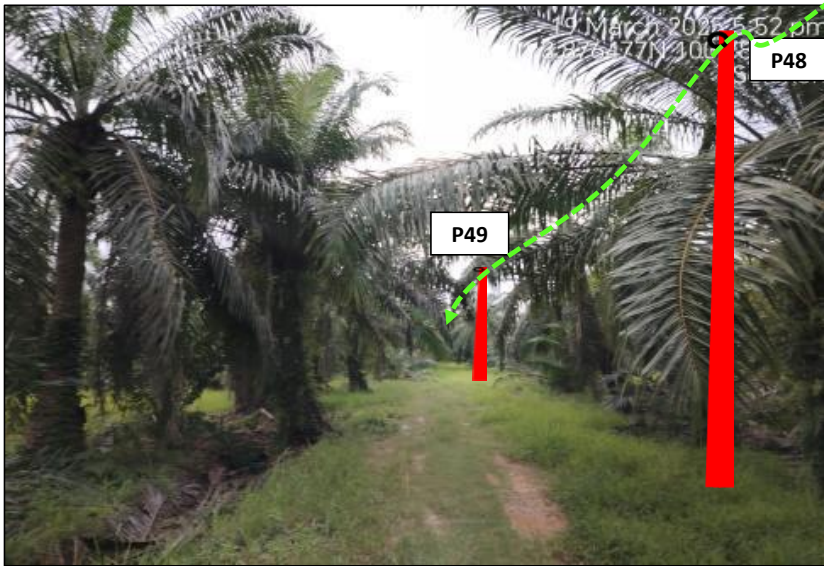


LOCATION AT UNNAMED ROAD



LOCATION AT UNNAMED ROAD

Photo 12



LOCATION AT UNNAMED ROAD



LOCATION AT UNNAMED ROAD

Photo 13



LOCATION AT MAXIS SITE SLNS

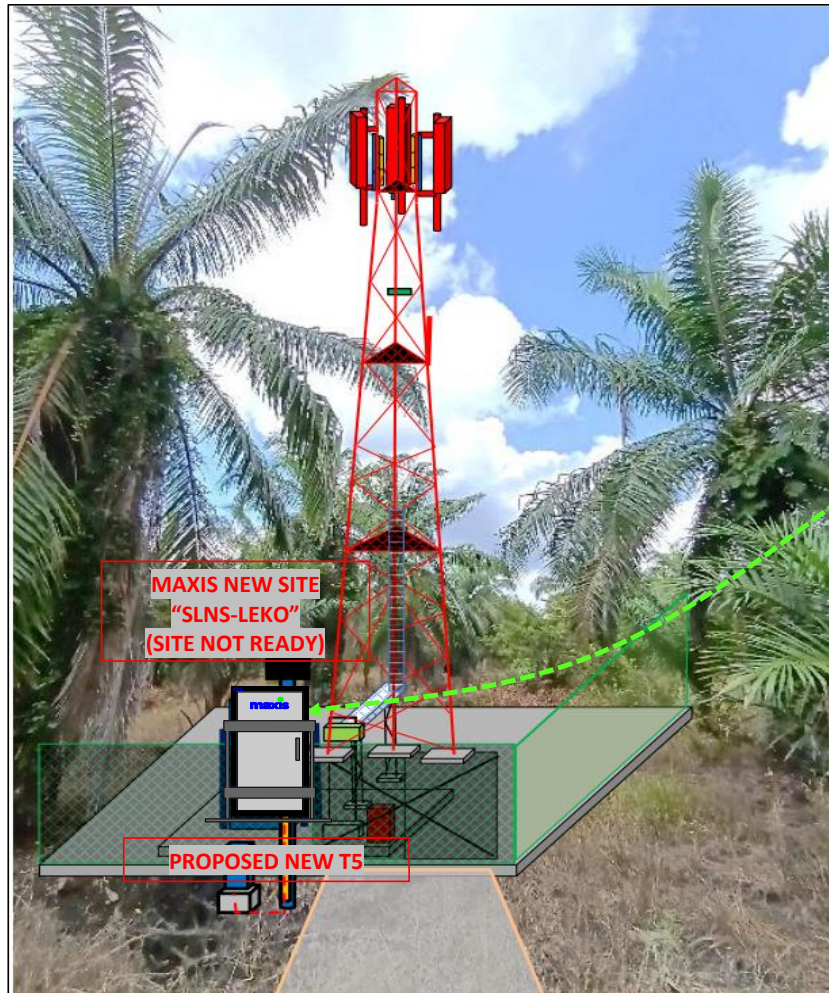


Ivocom (M) Sdn.Bhd.



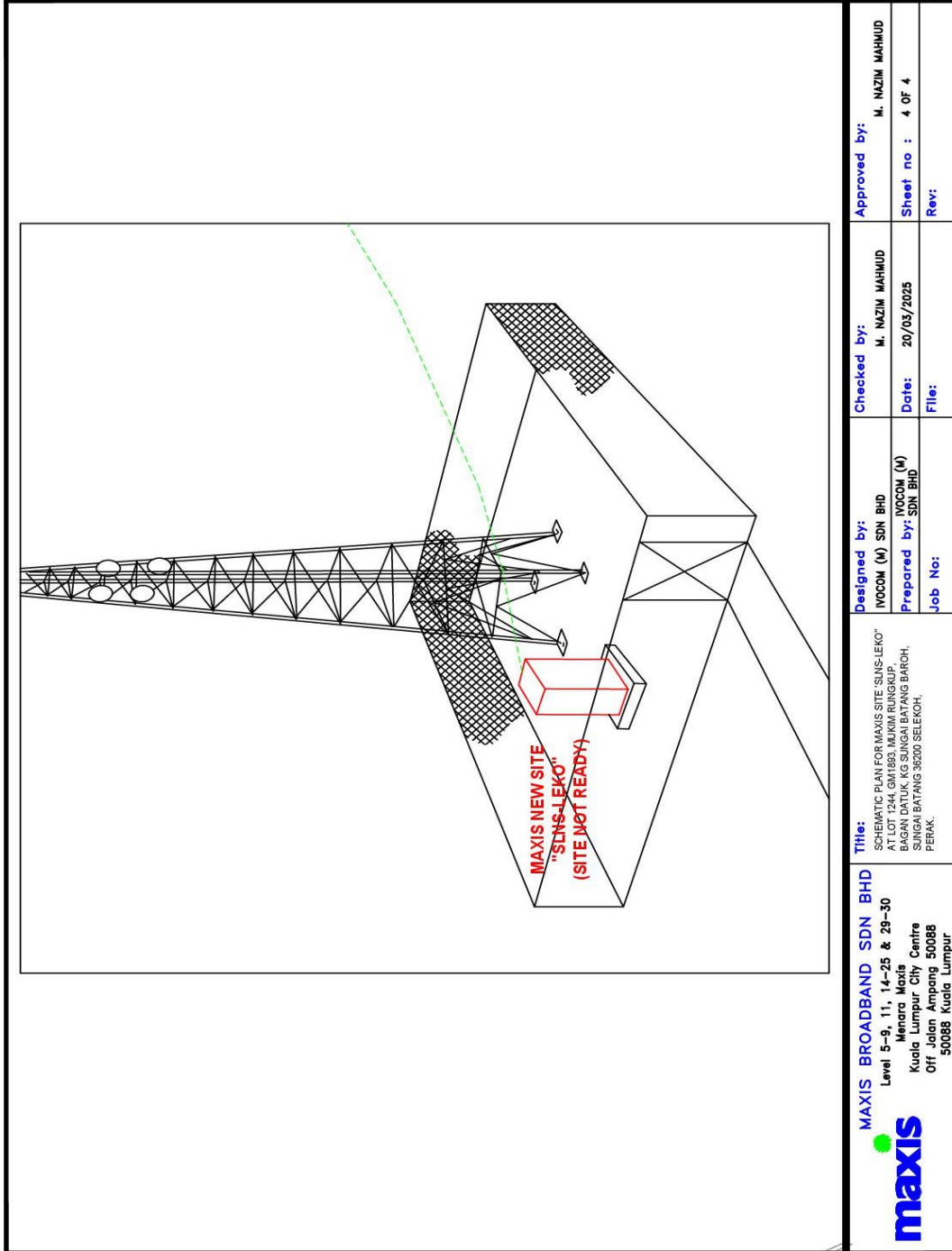
Section 9: Cabin Snapshot & Floor Plan Schematic Plan

Photo 1



LOCATION AT MAXIS SITE SLNS

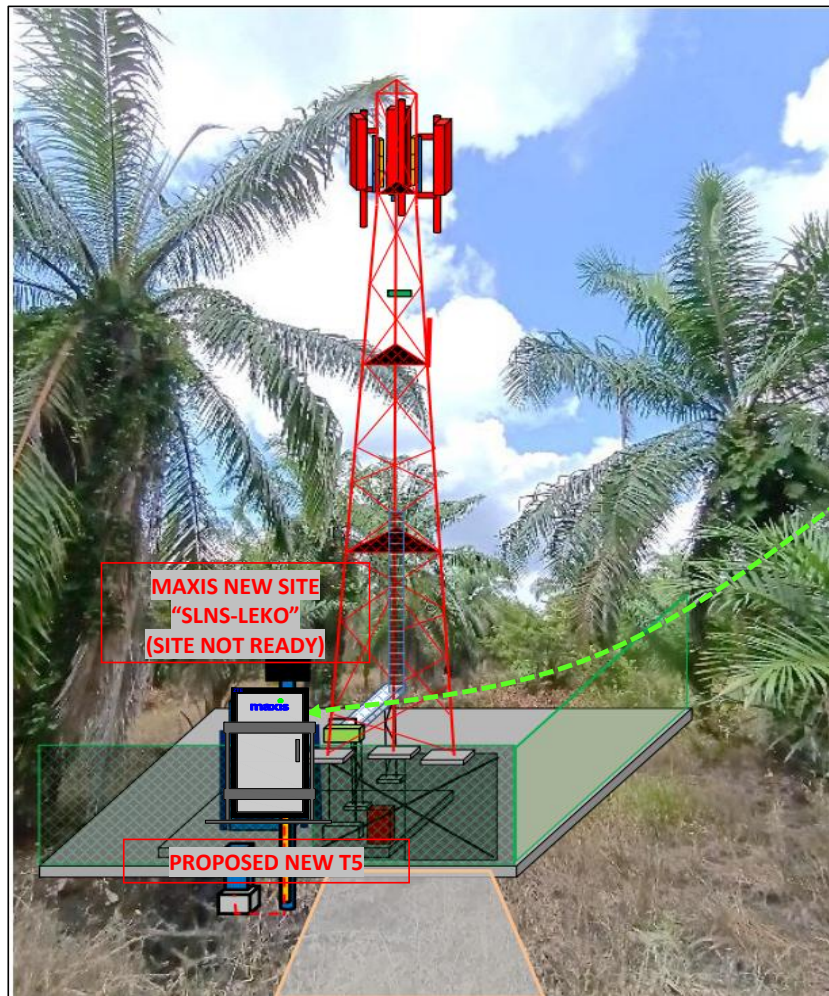
Floor Plan



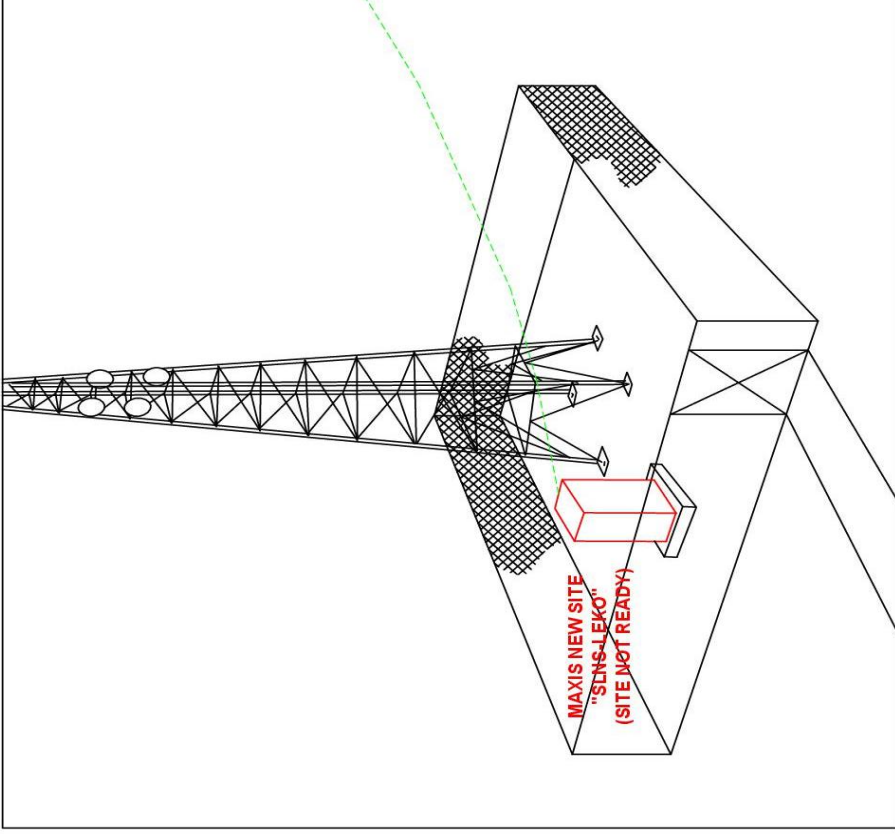
<p>MAXIS BROADBAND SDN BHD Level 5-9, 11, 14-25 & 29-30 Menara Maxis Kuala Lumpur City Centre Off Jalan Ampang 50088 50088 Kuala Lumpur</p> <p>maxis</p>	<p>Title: SCHEMATIC PLAN FOR MAXIS SITE "SUNS-LEKO" AT LOT 1244, GW1883, MUKIM RUNGKUP, BAGAN DATUK, KG SUNGAI BATANG BARCH, SUNGAI BATANG 36200 SELEKOH, PERAK.</p>	<p>Designed by: IVOCOM (M) SDN BHD</p> <p>Prepared by: SDN BHD</p> <p>Job No:</p>	<p>Checked by: M. NAZIM MAHMUD</p> <p>Date: 20/03/2025</p> <p>File:</p>	<p>Approved by: M. NAZIM MAHMUD</p> <p>Sheet no : 4 OF 4</p> <p>Rev:</p>
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Section 10: Internal Trenching Permit/Snapshot

Photo 1



LOCATION AT MAXIS SITE SLNS



MAXIS BROADBAND SDN BHD
 Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
 SCHEMATIC PLAN FOR MAXIS SITE "SUNS-LEKO"
 AT LOT 1244, GAM1883, MUKIM RUNGKUP,
 BAGAN DATUK, KG SUNGAI BATANG BAROH,
 SUNGAI BATANG 36200 SELEKOH,
 PERAK.

Designed by:
 IVOCOM (M) SDN BHD
Prepared by: SDN BHD
Job No:

Checked by:
 M. NAZIM MAHMUD
Date: 20/03/2025
File:

Approved by:
 M. NAZIM MAHMUD
Sheet no : 4 OF 4
Rev: