



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



Region	Northern		
KV/OKV	OKV		
Point A	KGPL	Point B	KJOG
Address	AT LOT 1800, MUKIM KERUNAI, TEMPAT PLANG, 33310 HULU PERAK, PERAK.		
Site A Lat Long	05.554912, 101.117221		
Site B Lat Long	05.532739, 101.127347		
Structure Owner	AsiaSpace		

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- 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 SITE KGPL-KJOG AT LOT 1800, MUKIM KERUNAI, TEMPAT PLANG, 33310 HULU PERAK, 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: PROJECT SUPERVISOR

Signature: *Sabree*

Check & Approved by: JAGATHEEBAN

Signature: *Jaga*

Submission Date: 3/12/2024

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	3021	meter
a. Horizontal directional drilling	2790	meter
b. Carriage way open cut trenching	0	meter
c. Grass verge open cut trenching	210	meter
d. Micro-trenching (mT)	0	meter
e. Maxis Pole	0	meter
f. Cable trunking	0	meter
g. GI Pipes Crossing/Riser	21	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	3323.1	meter
No. of proposed manhole	13	pc
Area of miling work required	0	meter

Local council & authority approval requirement	3021	meter
a. JKR HULU PERAK	2710	meter
b. LAND OWNER	311	meter
c.		meter

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

Type of building:	TOWER
Address:	AT LOT 1800, MUKIM KERUNAI, TEMPAT PLANG, 33310 HULU PERAK, 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

--

SLADate Survey Triggered

Survey Done (Days)	TP Submission (Days)
5	14

Implementation

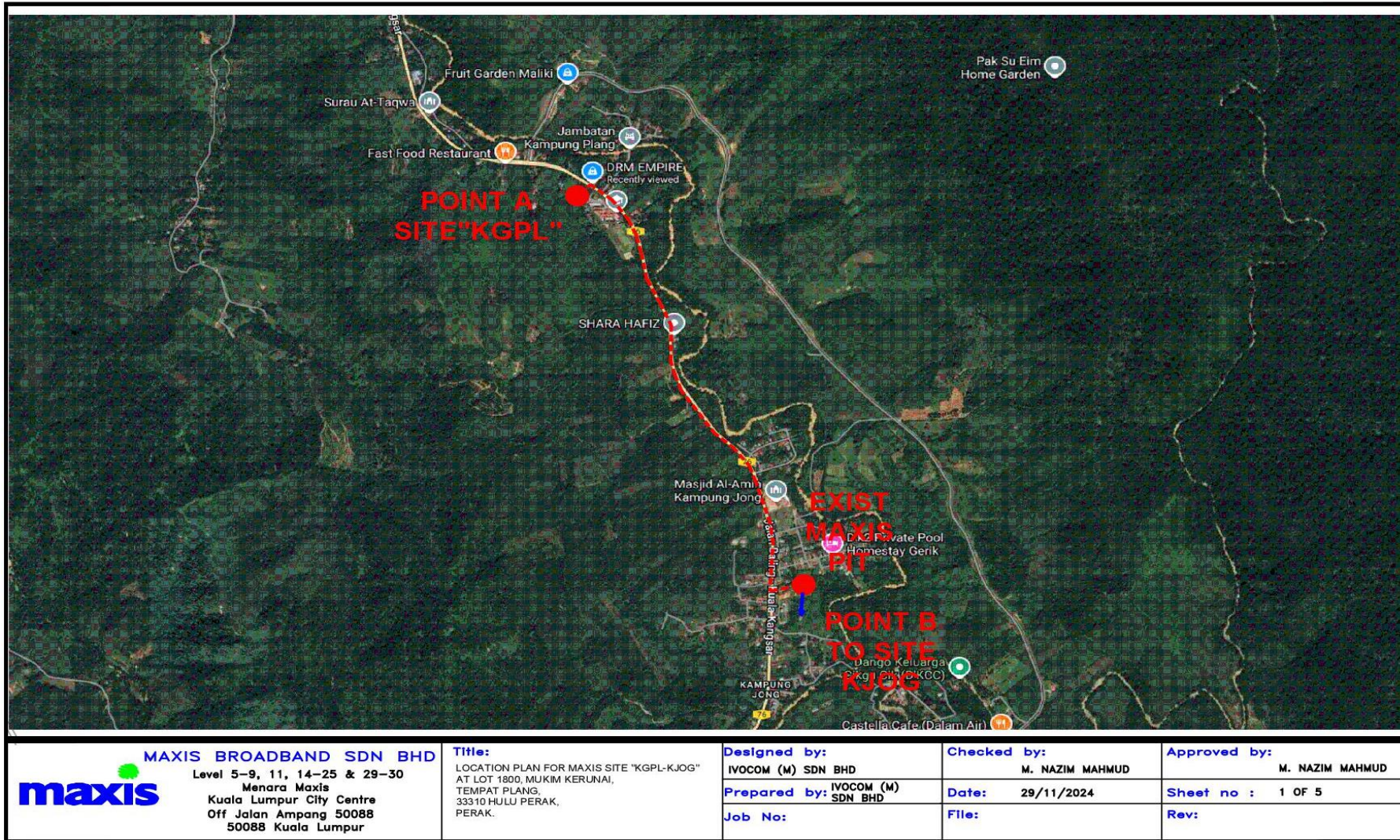
Method	Distance (m)	CW (Days)
Underground	3000	70
Pole	0	0
Total	3000	70

Date TP Submission	19/Jan/00
Date CW Completed	1/Apr/00

Section 3

Vicinity Map





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Proposed MH



Existing MH



Proposed duct

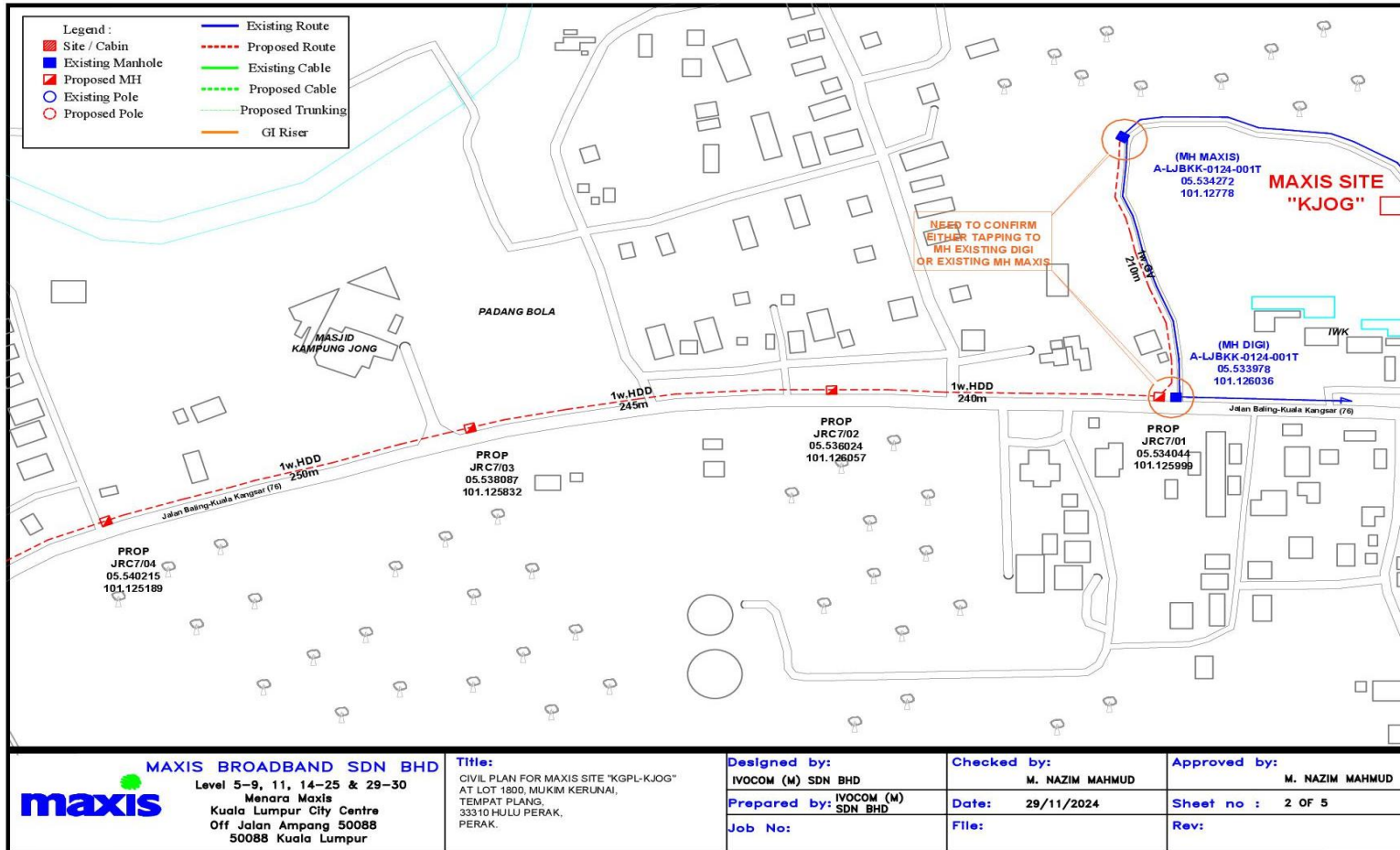


Existing duct

Section 4

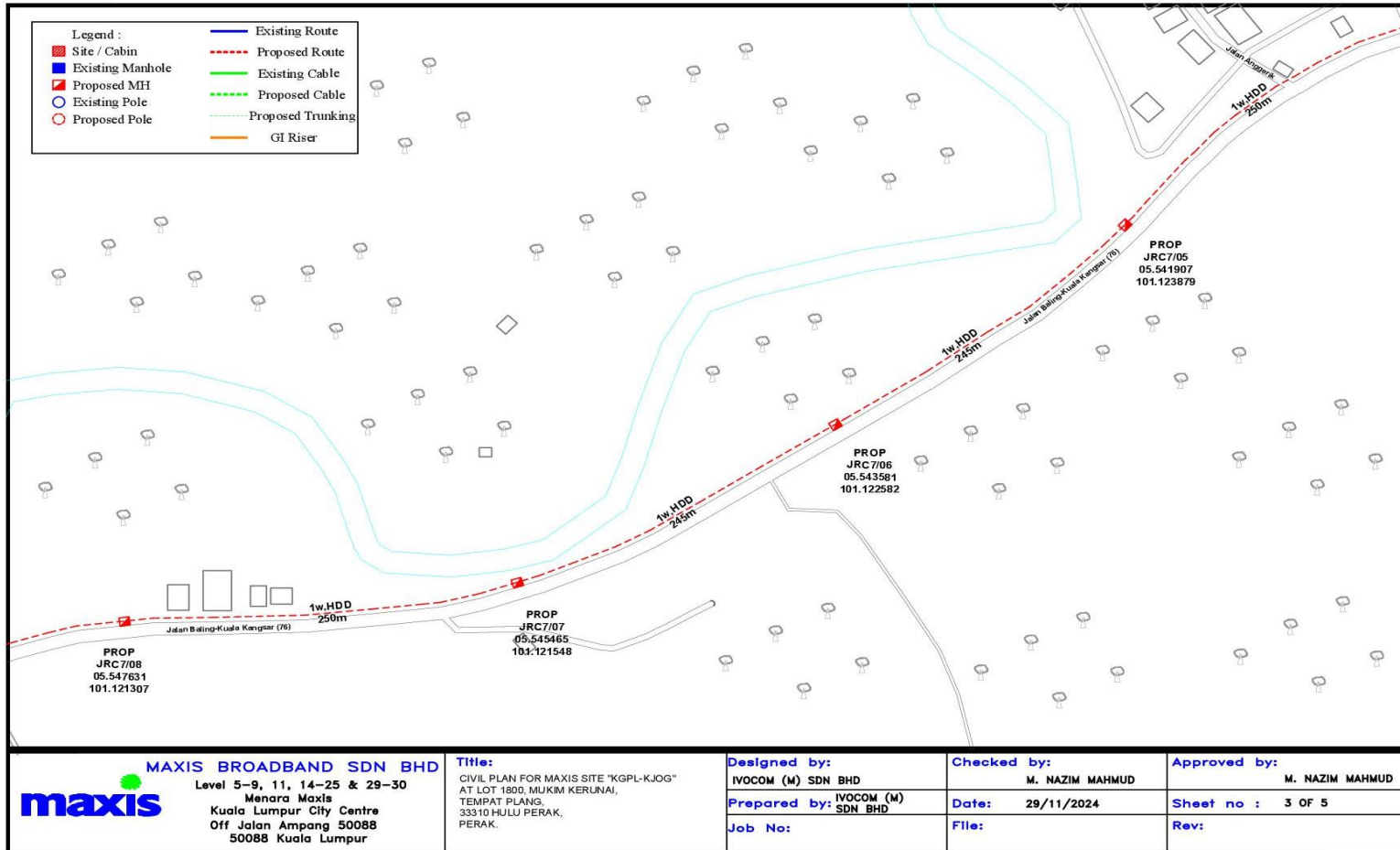
Civil Infrastructure Route Plan & Permit Boundary





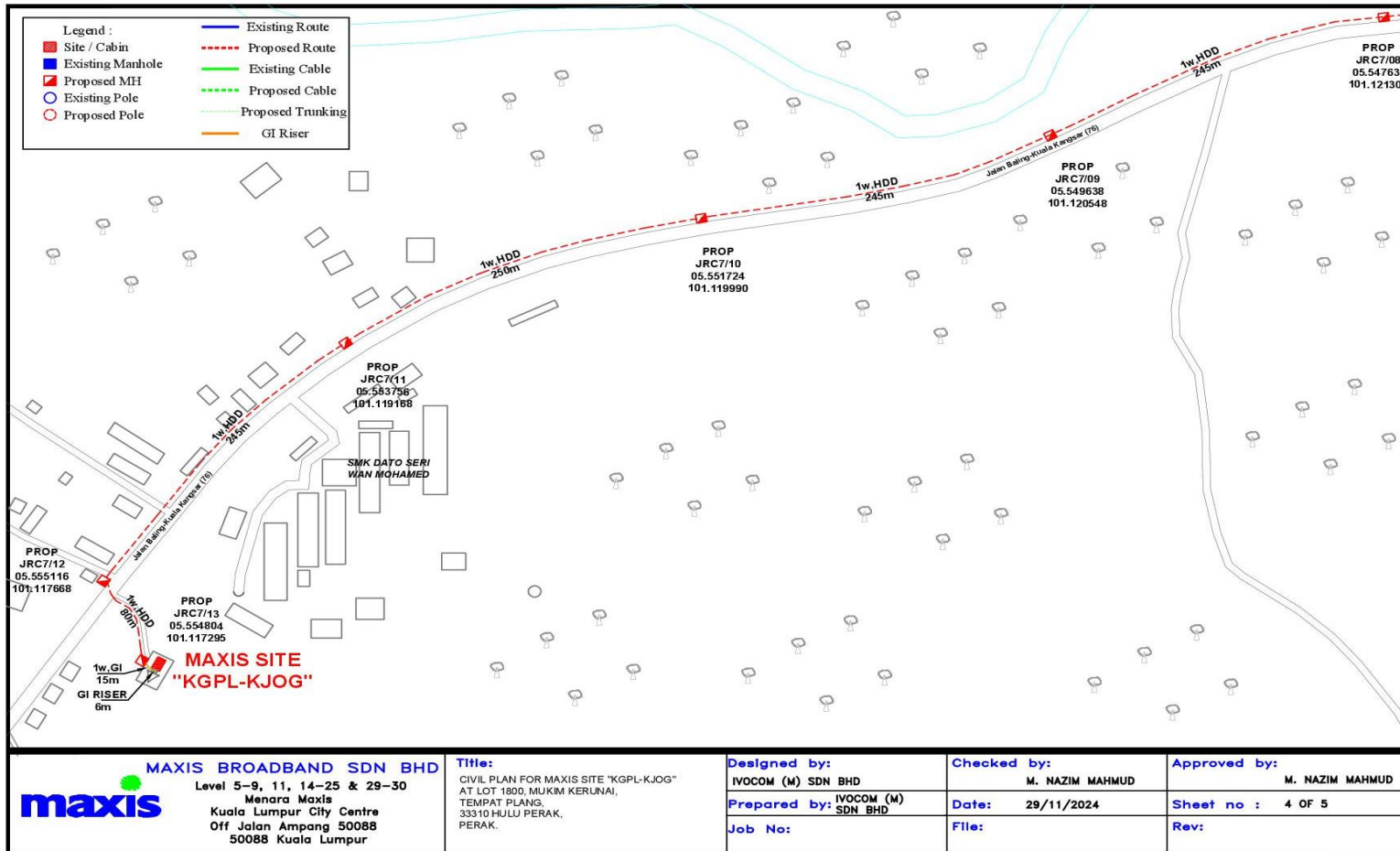
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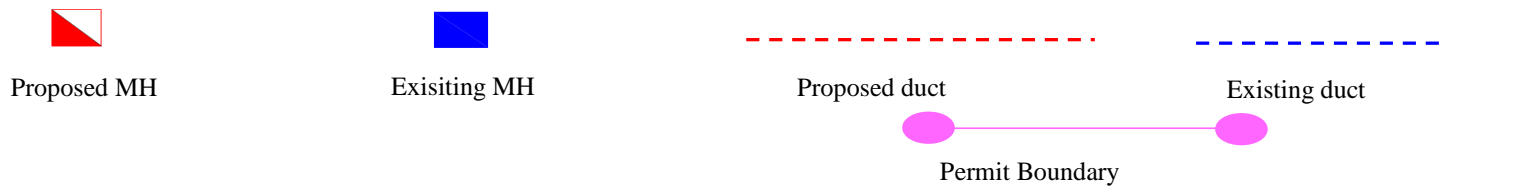


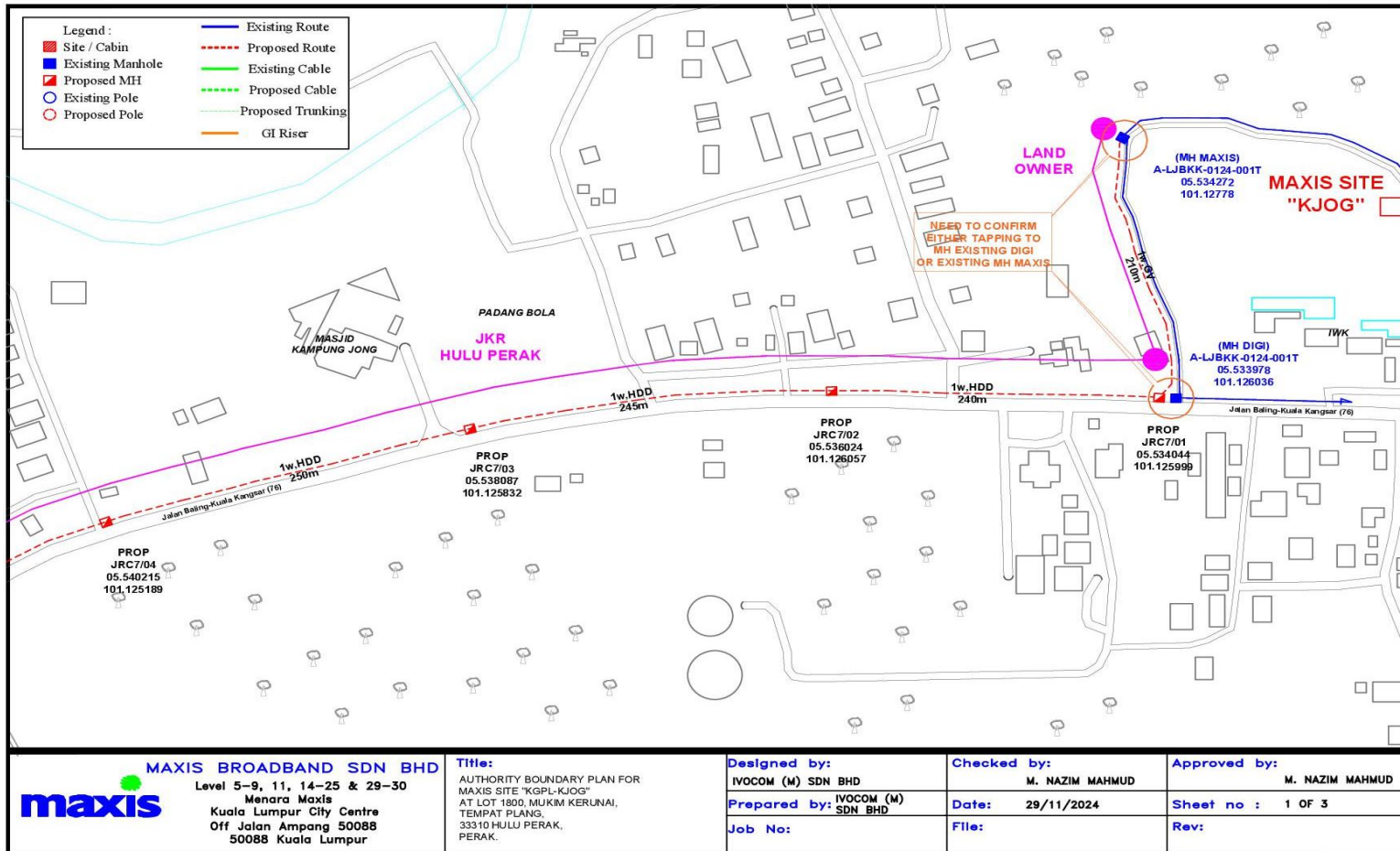
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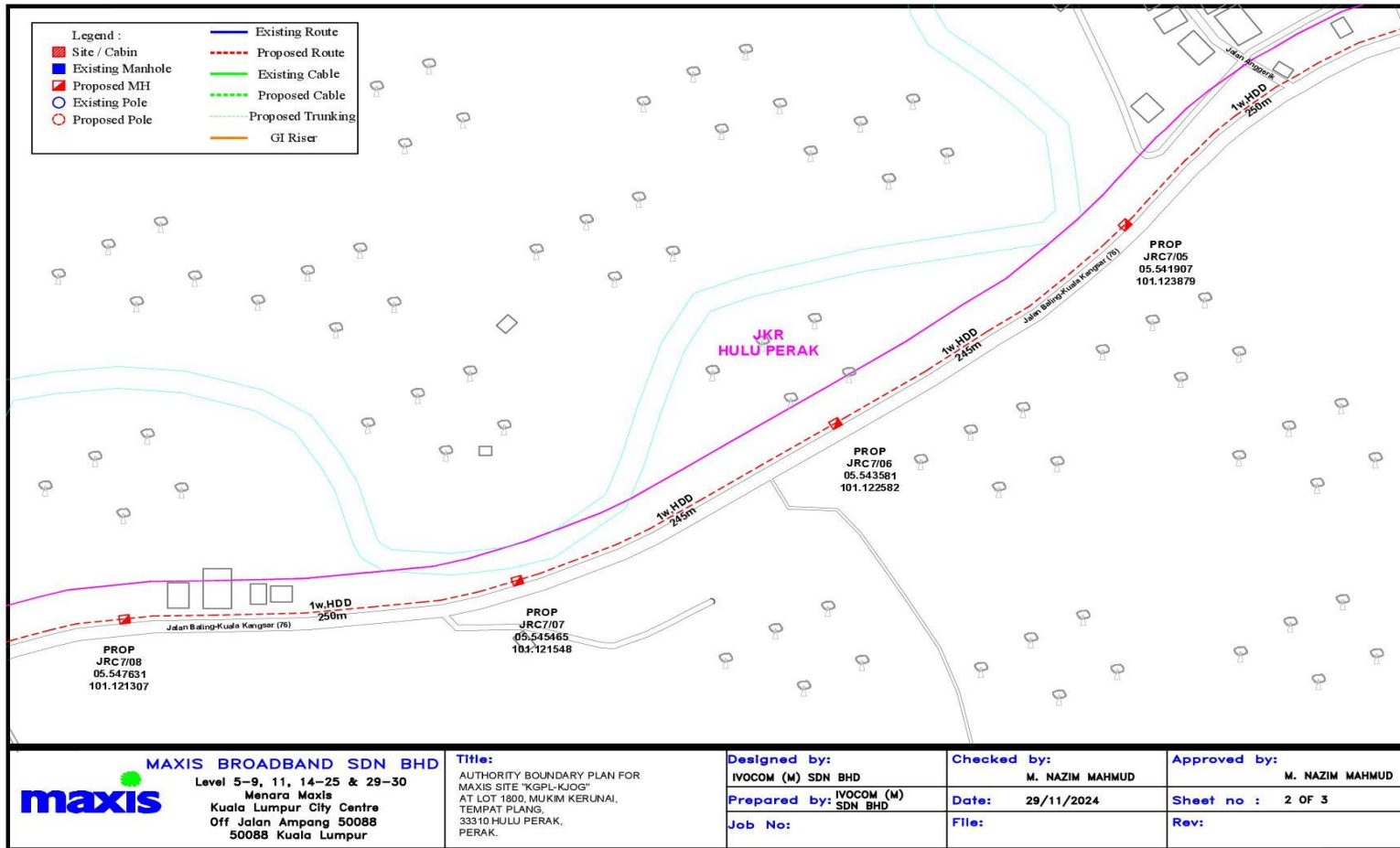
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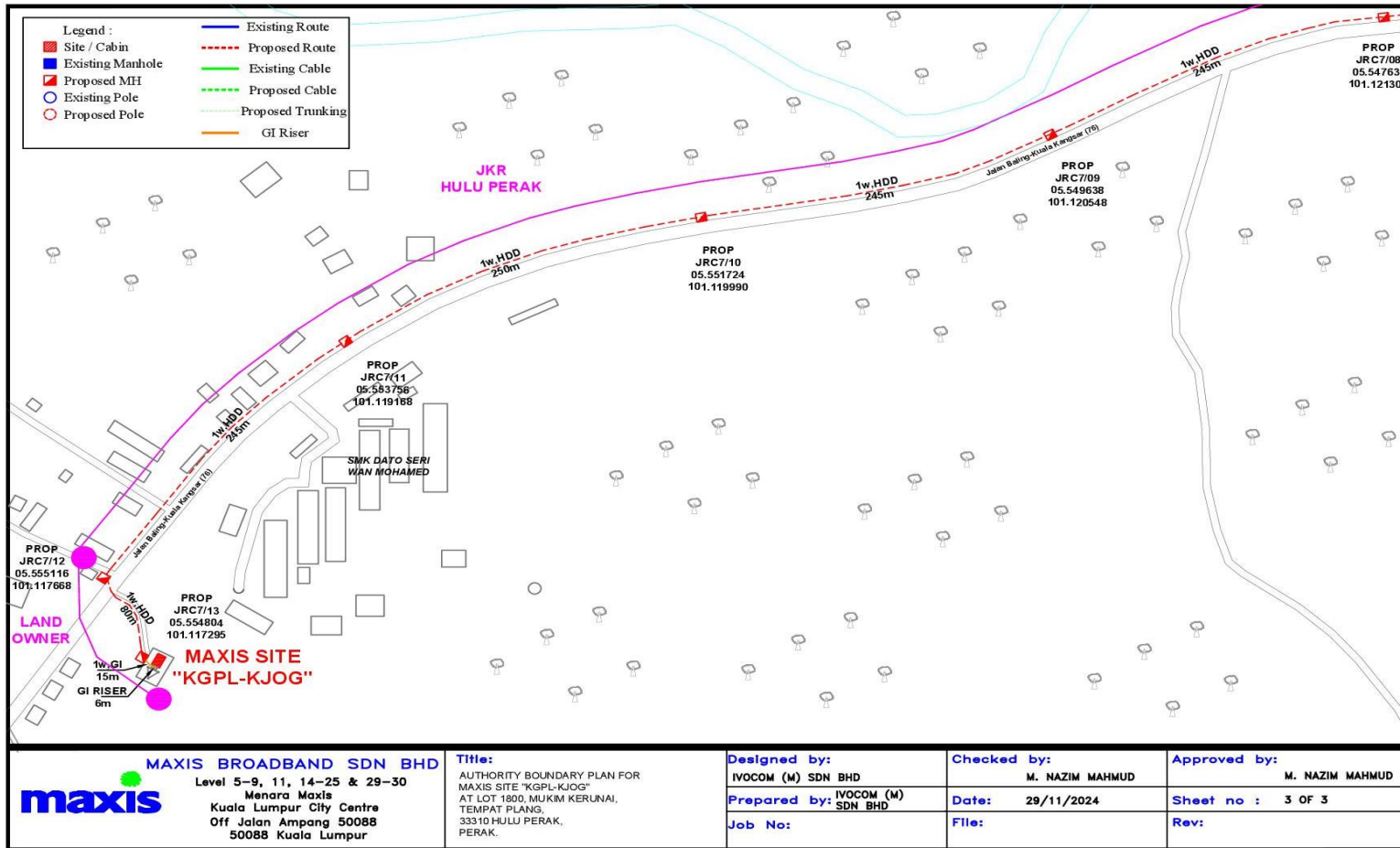
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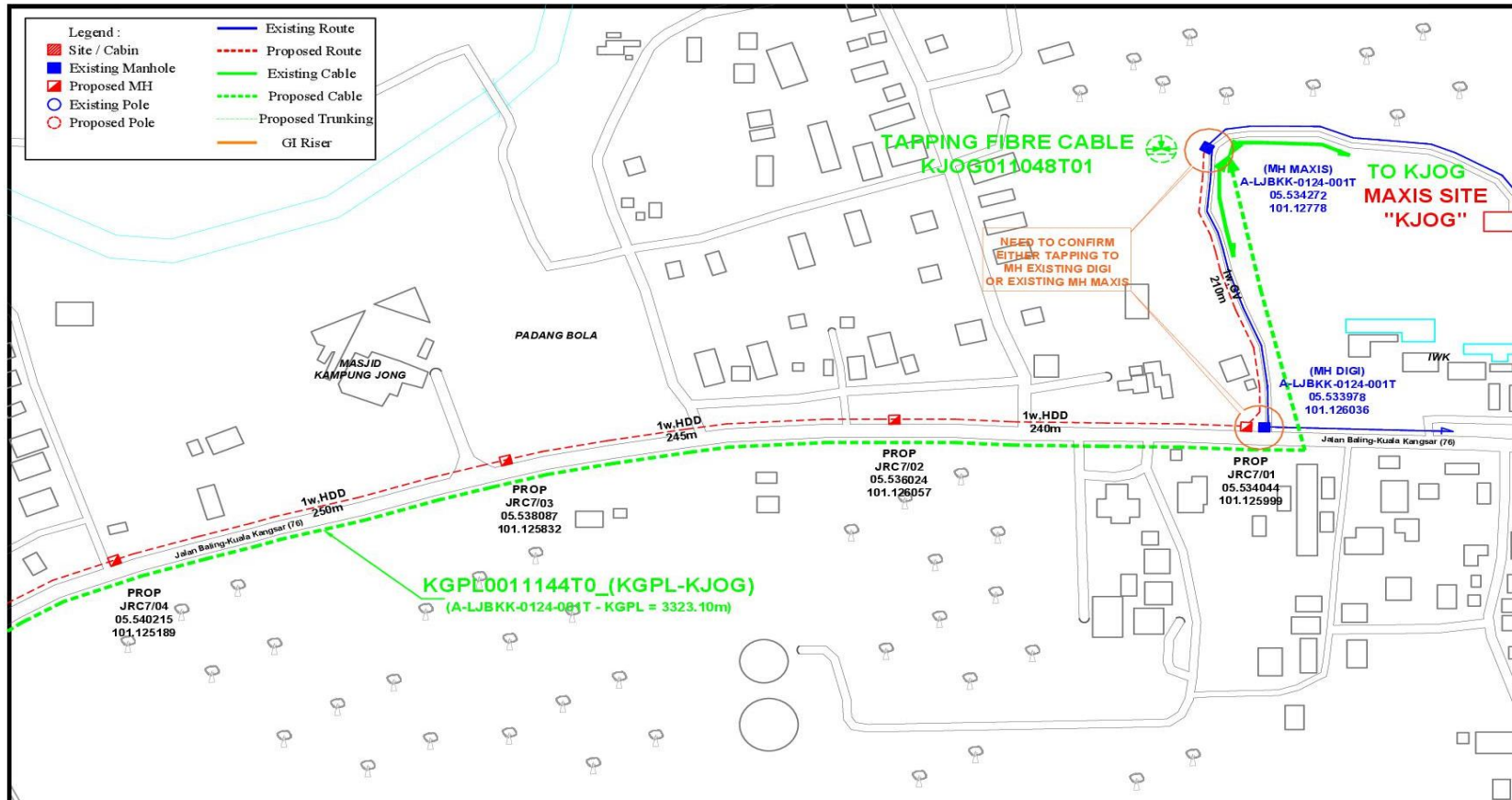
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Section 6

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





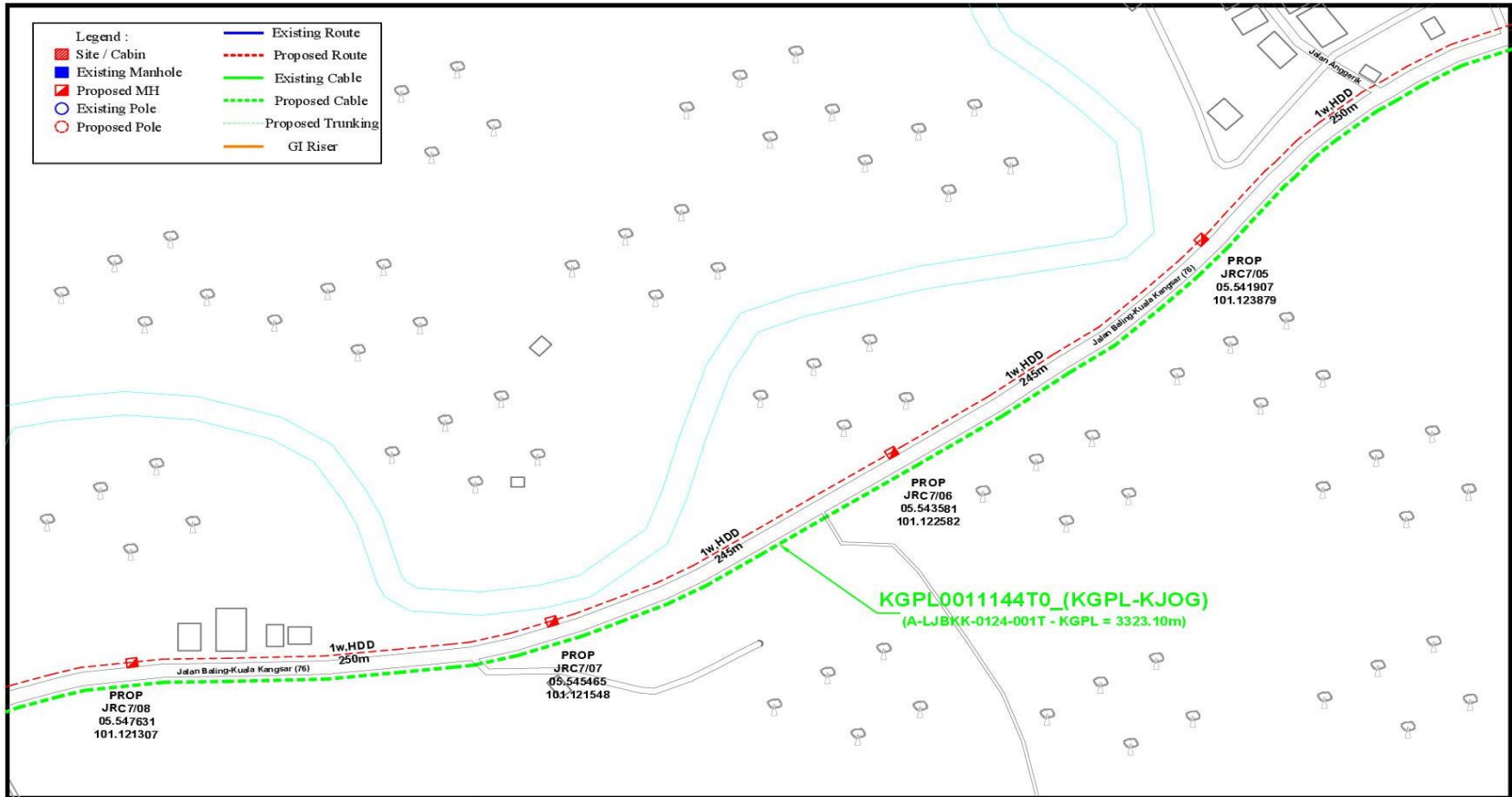
maxis **MAXIS BROADBAND SDN BHD**
 Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
 SLD FIBRE CABLE 144 CORE PLAN
 FOR SITE "KGPL-KJOG"
 CABLE NAME: KGPL0011144T0_(KGPL-KJOG)

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

Checked by:
 M. NAZIM MAHMUD
Date: 29/11/2024
File:

Approved by:
 M. NAZIM MAHMUD
Sheet no : 1 OF 6
Rev:



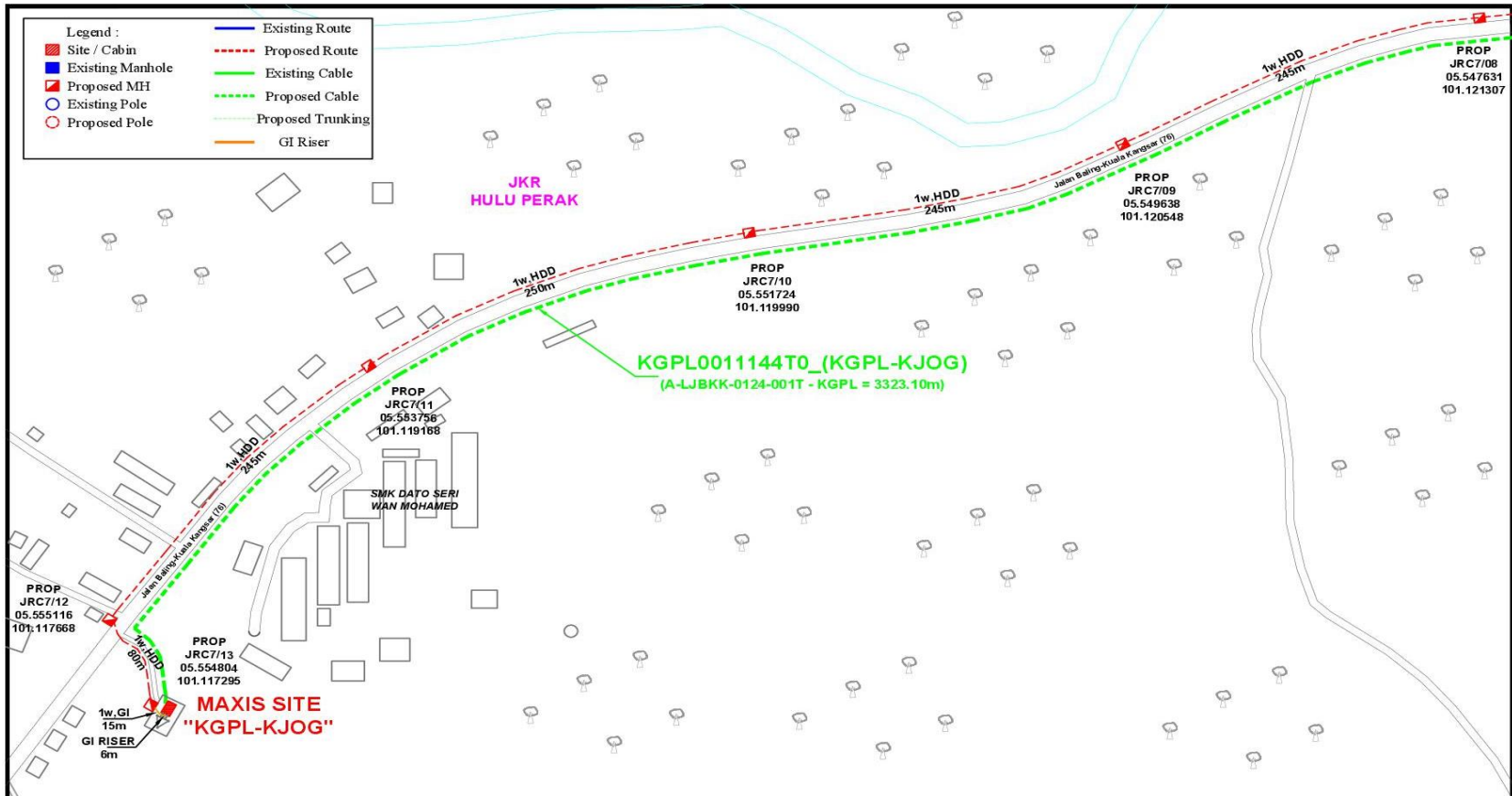
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Title:
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 FOR SITE "KGPL-KJOG"
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 IVOCOM (M) SDN BHD

Prepared by:
 IVOCOM (M) SDN BHD

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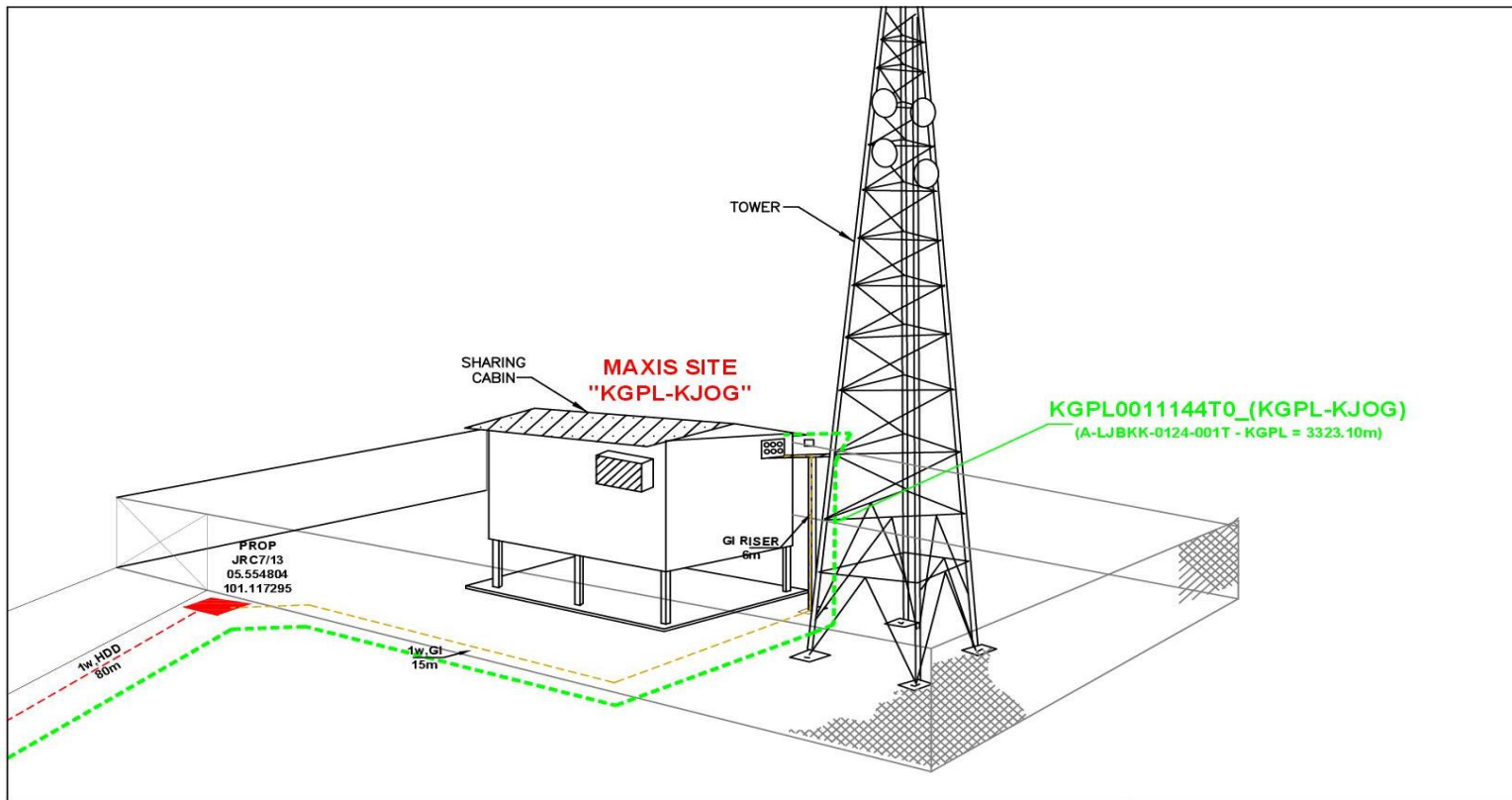
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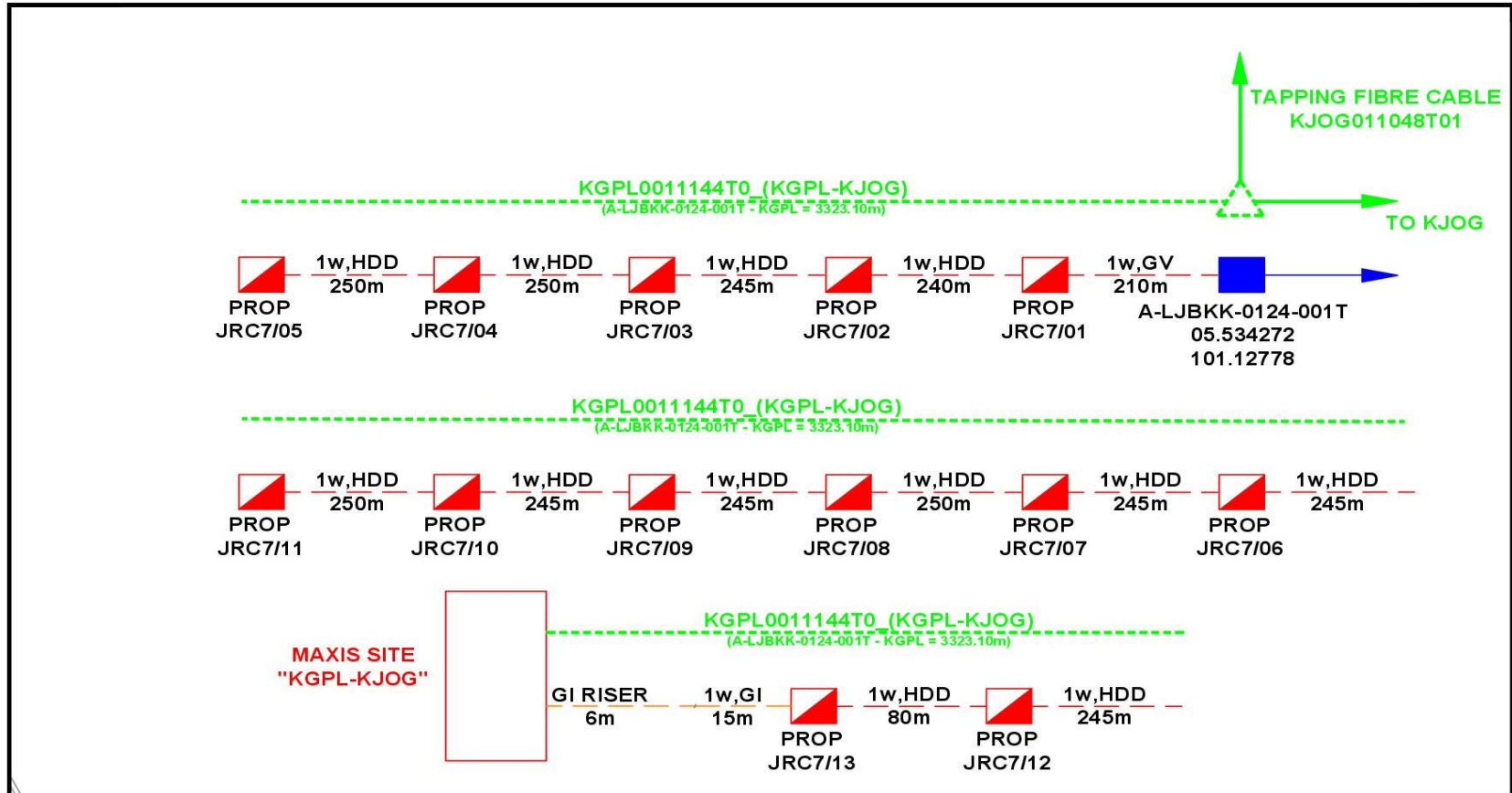
Level 5-9, 11, 14-25 & 29-30
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Kuala Lumpur City Centre
Off Jalan Ampang 50088
50088 Kuala Lumpur

Title:
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FOR SITE "KGPL-KJOG"
CABLE NAME: KGPL0011144T0_(KGPL-KJOG)

Designed by:
IVOCOM (M) SDN BHD
Prepared by: IVOCOM (M)
SDN BHD
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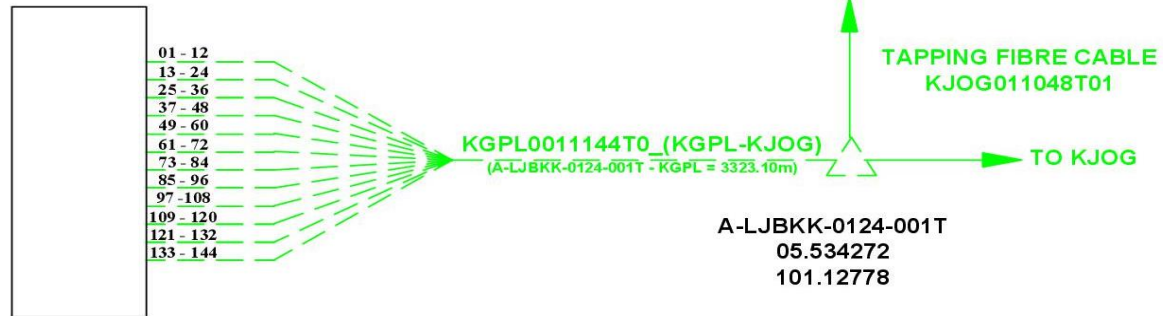
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 FOR SITE "KGPL-KJOG"
 CABLE NAME: KGPL0011144T0_ (KGPL-KJOG)

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

Checked by:
 M. NAZIM MAHMUD
Date: 29/11/2024
File:

Approved by:
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Sheet no : 5 OF 6
Rev:

**MAXIS SITE
"KGPL-KJOG"**



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 Off Jalan Ampang 50088
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Title:
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 FOR SITE "KGPL-KJOG"
 CABLE NAME: KGPL0011144T0_(KGPL-KJOG)

Designed by:
 IVOCOM (M) SDN BHD
Prepared by: IVOCOM (M)
 SDN BHD
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Date: 29/11/2024
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Sheet no : 6 OF 6
Rev:

MAXIS BROADBAND SDN BHD.

CABLE CUTTING PLAN

PROJECT DETAIL (OSP)	:	
PROJECT NAME	:	PROPOSED NEW CABLE FIBRE 144 CORES TO SITE "KGPL-KJOG"
PROJECT TYPE	:	
TITLE	:	
PROJECT CADE	:	
CONTRACTOR	:	IVOCOM (M) SDN.BHD.
PROJECT MANAGER	:	
LOCATION	:	AT LOT 1800, MUKIM KERUNAI, TEMPAT PLANG, 33310 HULU PERAK, PERAK.
QUANTITY REQUESTED	:	
REQUIRED DATE	:	

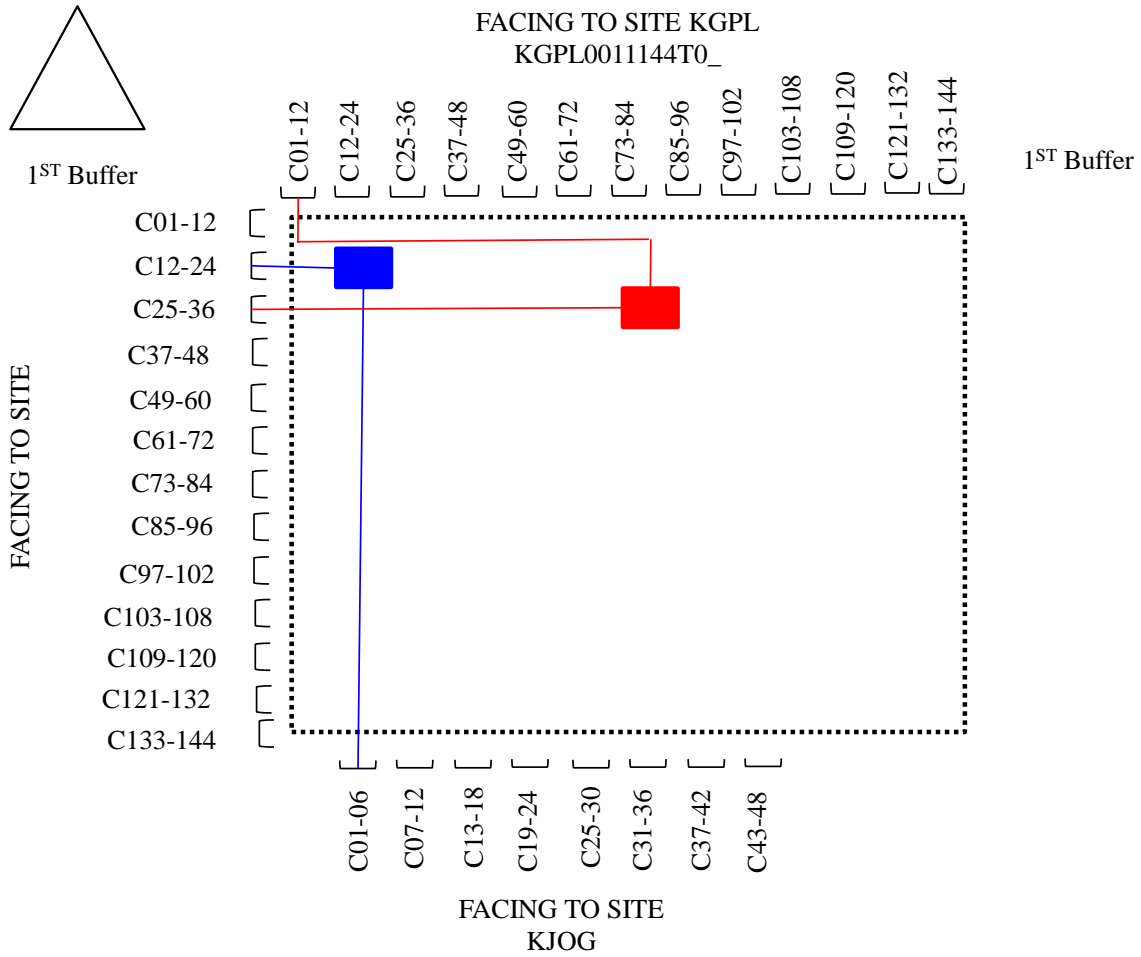
NO	SECTION			CABLE SIZE	ROUTE DISTANCE (METER)	CABLE ALLOWONES (METER)	ACTUAL CABLE LENGTH	SPLICING/TERMINATION POINT	REMARKS
1	A-LJBKK-0124-001T	TO	PROP JRC7/01	144CORE	210	21.00	231.00	TAPING	EXIST MAXIS PIT
2	PROP JRC7/01	TO	PROP JRC7/02	144CORE	240	24.00	264.00		
3	PROP JRC7/02	TO	PROP JRC7/03	144CORE	245	24.50	269.50		
4	PROP JRC7/03	TO	PROP JRC7/04	144CORE	250	25.00	275.00		
5	PROP JRC7/04	TO	PROP JRC7/05	144CORE	250	25.00	275.00		
6	PROP JRC7/05	TO	PROP JRC7/06	144CORE	245	24.50	269.50		
7	PROP JRC7/06	TO	PROP JRC7/07	144CORE	245	24.50	269.50		
8	PROP JRC7/07	TO	PROP JRC7/08	144CORE	250	25.00	275.00		
9	PROP JRC7/08	TO	PROP JRC7/09	144CORE	245	24.50	269.50		
10	PROP JRC7/09	TO	PROP JRC7/10	144CORE	245	24.50	269.50		
11	PROP JRC7/10	TO	PROP JRC7/11	144CORE	250	25.00	275.00		
12	PROP JRC7/11	TO	PROP JRC7/12	144CORE	245	24.50	269.50		
13	PROP JRC7/12	TO	PROP JRC7/13	144CORE	80	8.00	88.00		
14	PROP JRC7/13	TO	MAXIS SITE"KGPL"	144CORE	21	2.10	23.10	TERMINATION	MAXIS SITE"KGPL"
					3,021.00		3,323.10		

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 UNNAMED ROAD



LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 2

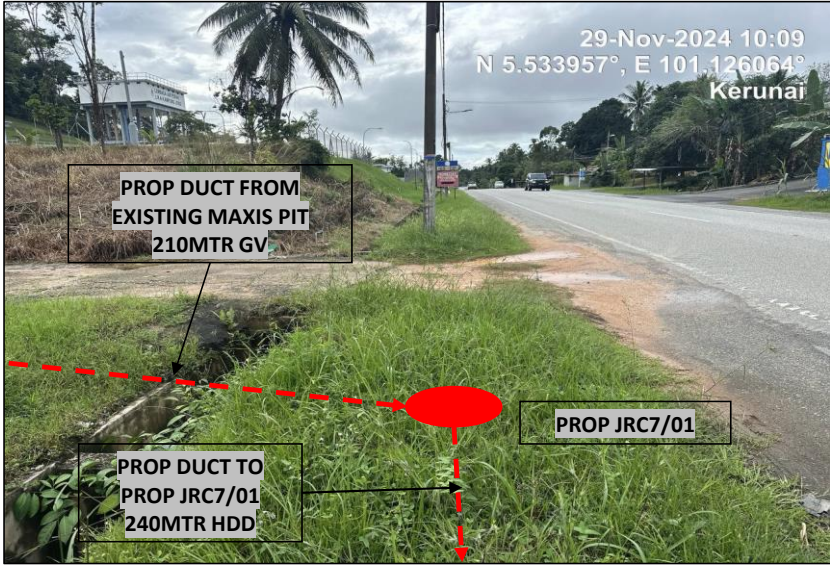


LOCATION AT JALAN BALING-KUALA KANGSAR (76)



LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 3

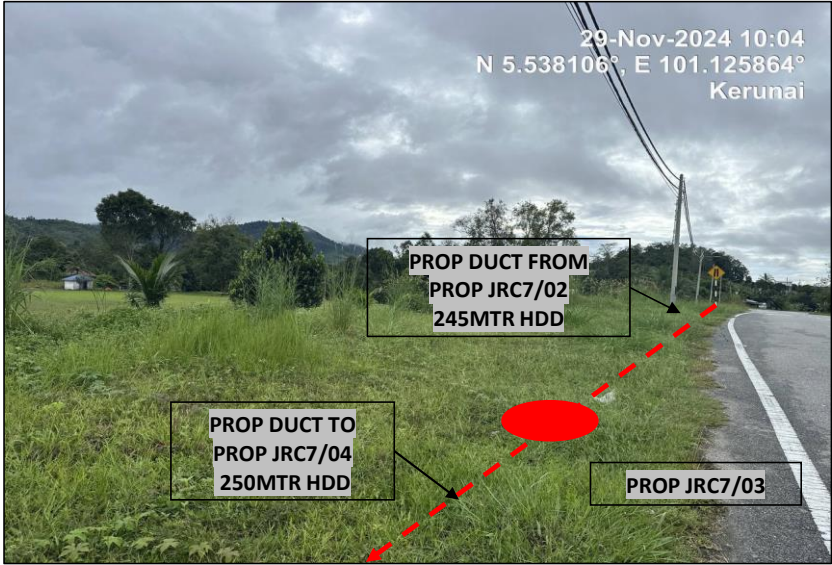


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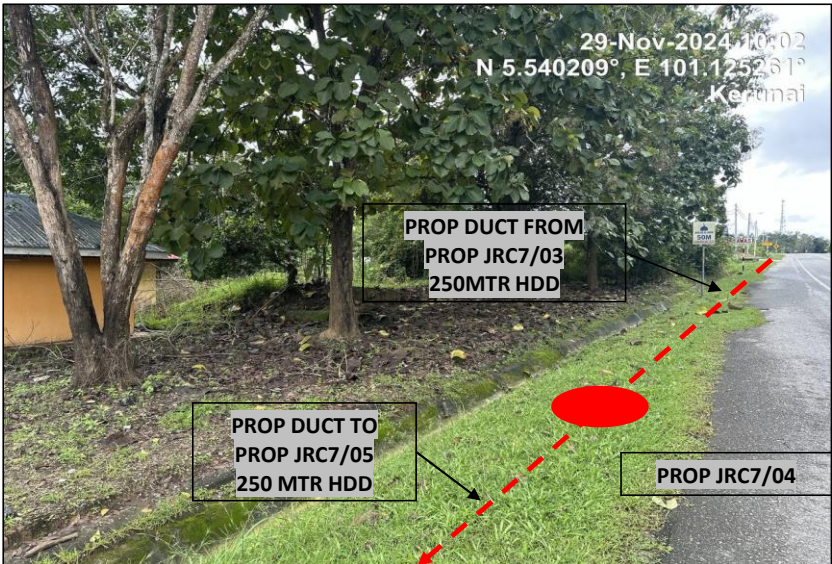


LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 4

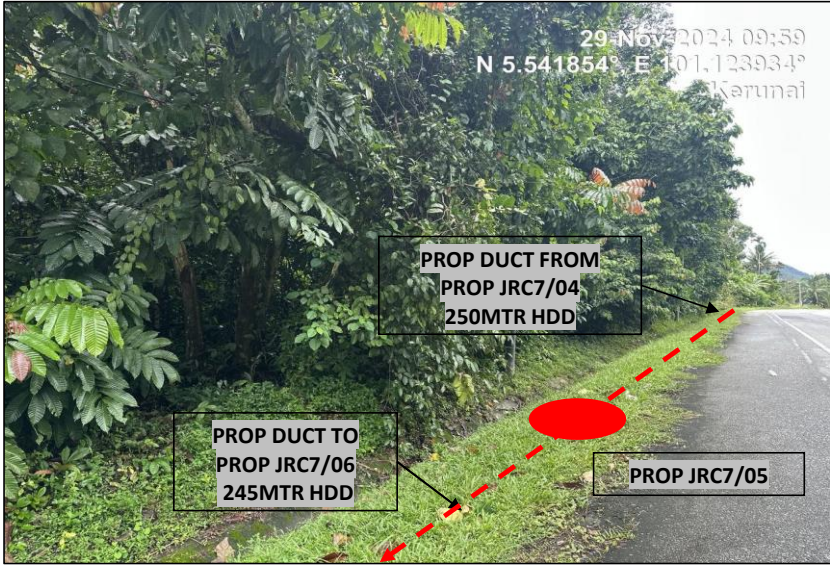


LOCATION AT JALAN BALING-KUALA KANGSAR (76)



LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 5

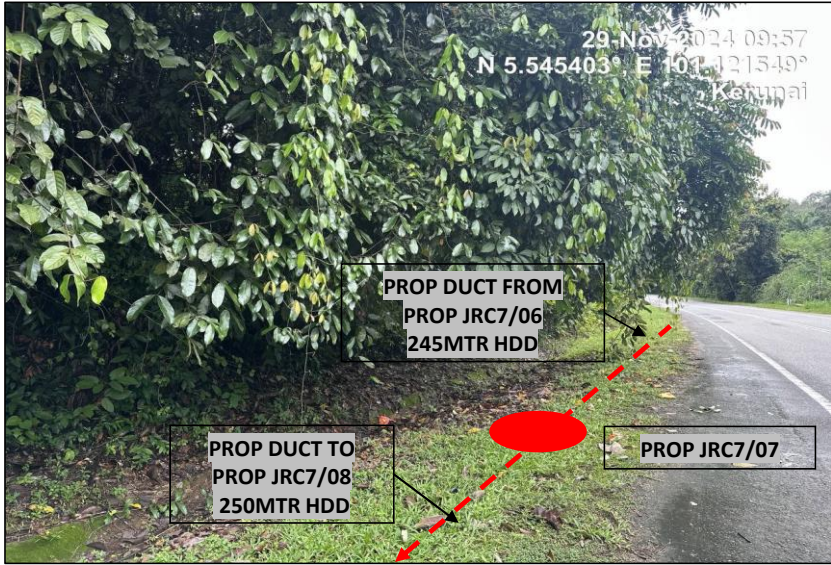


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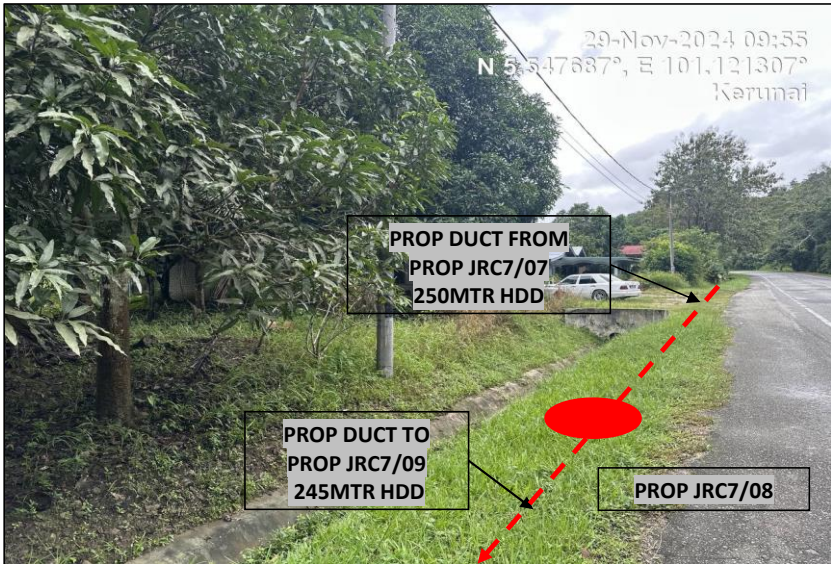


LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 6



LOCATION AT JALAN BALING-KUALA KANGSAR (76)



LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 7



LOCATION AT JALAN BALING-KUALA KANGSAR (76)

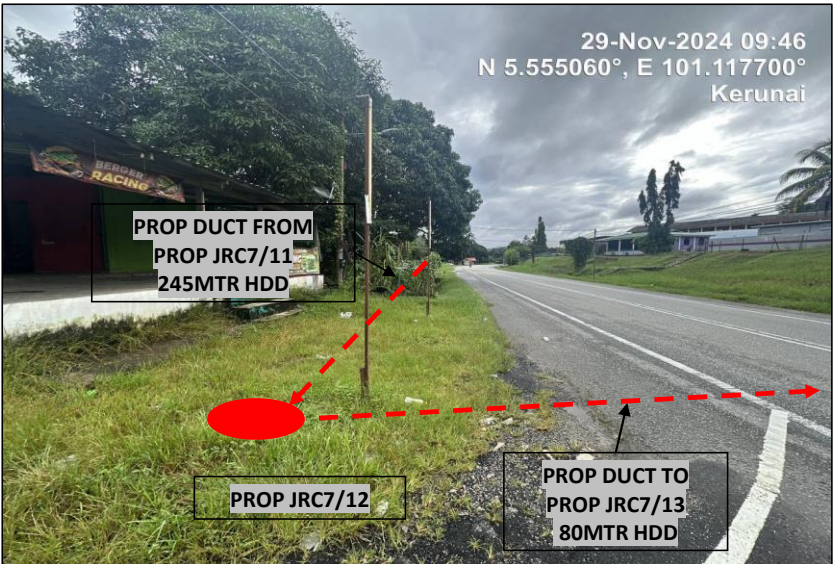


LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 8



LOCATION AT JALAN BALING-KUALA KANGSAR (76)



LOCATION AT JALAN BALING-KUALA KANGSAR (76)

Photo 9

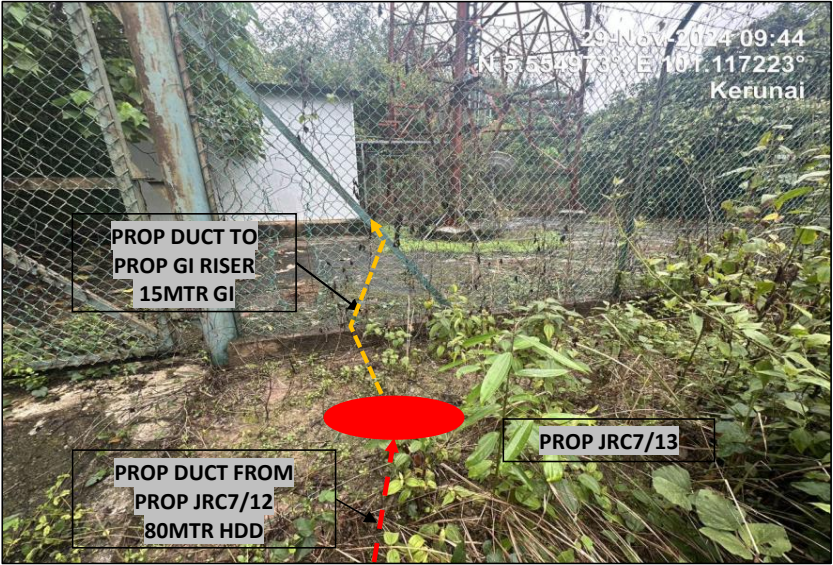


LOCATION AT JALAN BALING-KUALA KANGSAR (76)



LOCATION AT MAXIS SITE KGPL

Photo 10



LOCATION AT MAXIS SITE KGPL



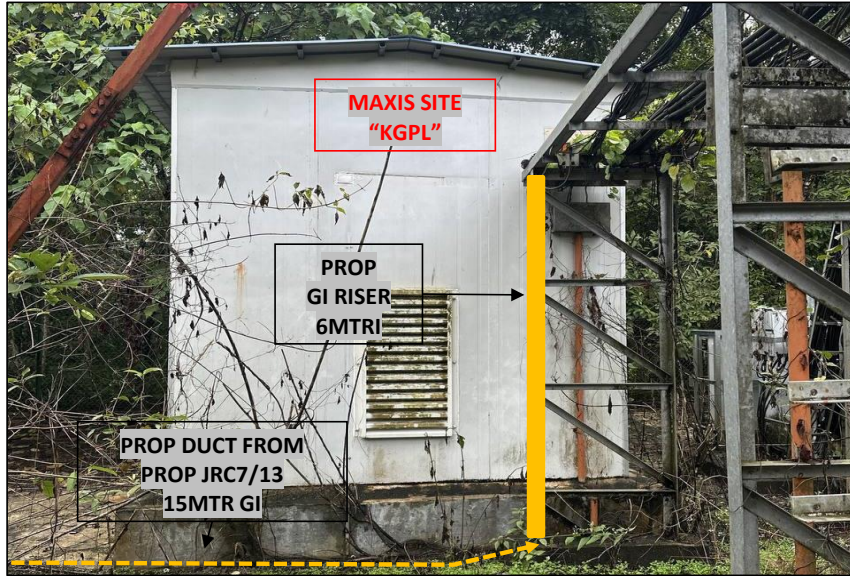
Ivocom (M) Sdn.Bhd.



Section 9: Cabin Snapshot & Floor Plan

Schematic Plan

Photo 1



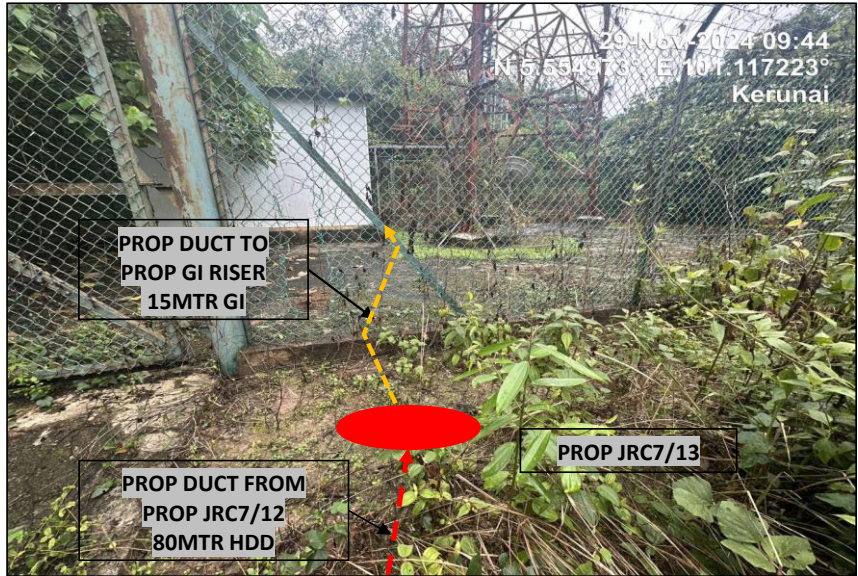
LOCATION AT MAXIS SITE KGPL



LOCATION AT MAXIS SITE KGPL

Section 10: Internal Trenching Permit/Snapshot

Photo 1

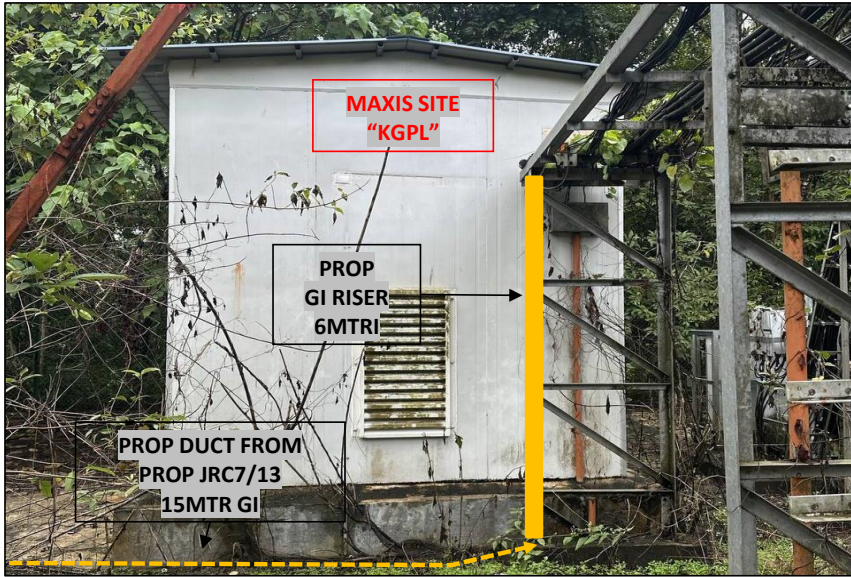


LOCATION AT MAXIS SITE KGPL

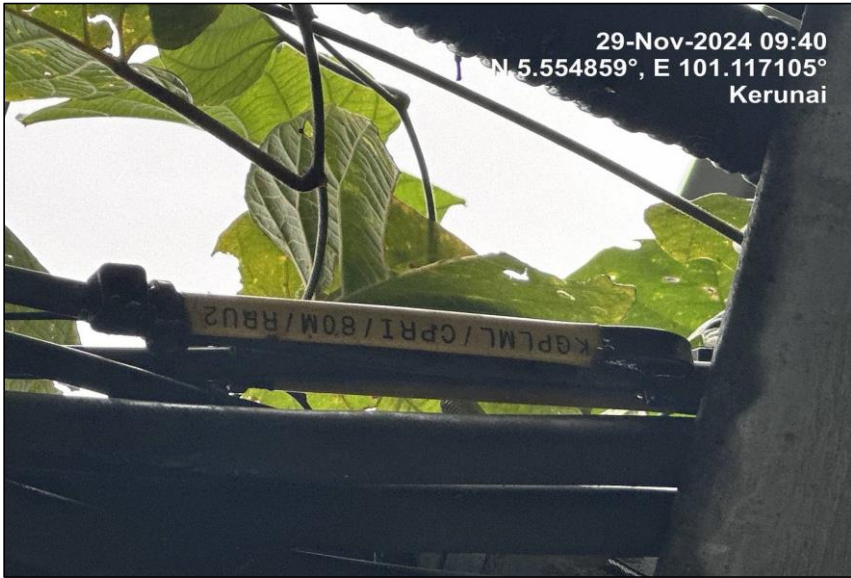


LOCATION AT MAXIS SITE KGPL

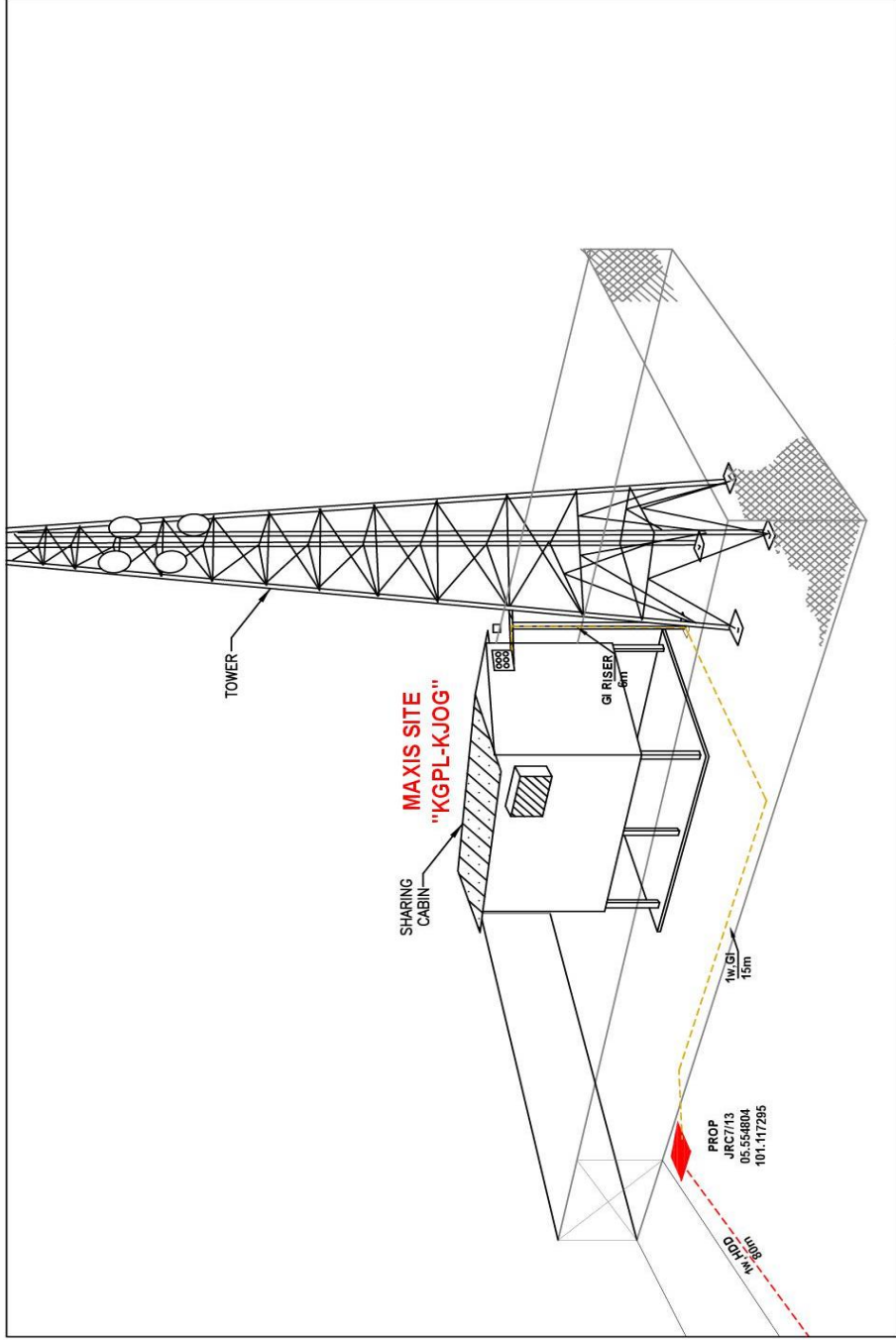
Photo 2



LOCATION AT MAXIS SITE KGPL



LOCATION AT MAXIS SITE KGPL



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 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 "KGPL-KJOG"
 AT LOT 1800, MUKIM KERUNJAI,
 TEMPAH PLANG,
 33310 HULU PERAK,
 PERAK.

Designed by:
 IVOCOM (M) SDN BHD
Prepared by: SDN BHD

Checked by:
 M. NAZIM MAHMUD
Date: 29/11/2024

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

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