
	Contractor	Vcomm Resources Sdn Bhd		
	SOW Ref	B12 - OSP Construction & Commissioning		
	LRD	LUPP-PTRE		
	Subject	Fiber Technical Proposal		



Region	<b>Northern</b>		
KV/OKV	<b>OKV</b>		
Point A	<b>SITE "LUPP"</b>	Point B	<b>PTRE</b>
Address	<b>6403 LUMUT POWER PLAN 34900,SETIAWAN,PERAK.</b>		
Site A Lat Long	<b>4.384198,100.588771</b>		
Site B Lat Long	<b>4.371354,100.628935</b>		
Structure Owner	<b>DIGI</b>		

## **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 contains the civil design proposal for **MAXIS RELOCATION SITE LUPP-PTRE 6403 LUMUT POWER PLAN 34900,SETIAWAN,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.

### Vcomm Resources Sdn Bhd

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Signature: \_\_\_\_\_

Check & Approved by: \_\_\_\_\_

Signature: \_\_\_\_\_

Submission Date: \_\_\_\_\_

### 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	6134	meter
a. Horizontal directional drilling	550	meter
b. Carriage way open cut trenching		meter
c. Grass verge open cut trenching	5584	meter
d. Micro-trenching (mT)		meter
e. Maxis Pole		meter
f. Cable trunking		meter
g. GI Pipes Crossing/Riser		meter
h. Pulling Cable		meter
i. Duct GI		meter

ITP trunking/riser length		meter
ITP cable length from Maxis fiber tapping point to new termination point at building/cabin		meter
No. of proposed manhole/pole	23	pc
Area of miling work required		meter

Local council & authority approval requirement	6134	meter
a. MAJLIS PERBANDARAN MANJUNG	5452	meter
b. MALAKOFF	572	meter
c. JKR MANJUNG	110	meter

Estimated Cost of the Scheme/Project		RM
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Type of building:	<a href="#">TOWER</a>
Address:	<a href="#">6403 LUMUT POWER PLAN 34900,SETIAWAN,PERAK.</a>
Contact person:	
Contact no.:	

**Existing Infrastructure Information**

Preceding duct/sub-duct space	Existing manhole at <a href="#">TAPPING EXIST MAXIS MH</a>
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**

<a href="#">STRUCTURE OWNER(LUPP)-DIGI</a>
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**SLA**

Date Survey Triggered

Survey Done (Days)	TP Submission (Days)
<b>8</b>	<b>14</b>

**Implementation**

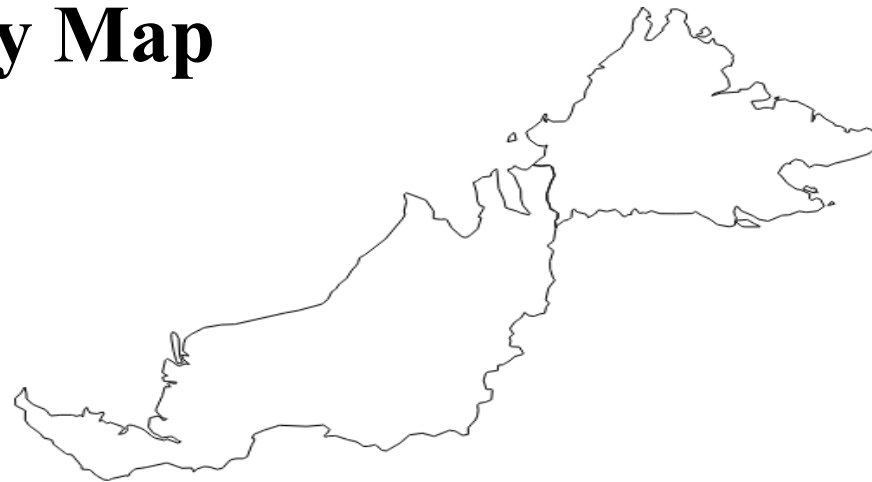
Method	Distance (m)	CW (Days)
Underground	6134	158
Pole	0	0
<b>Total</b>	<b>6134</b>	<b>158</b>

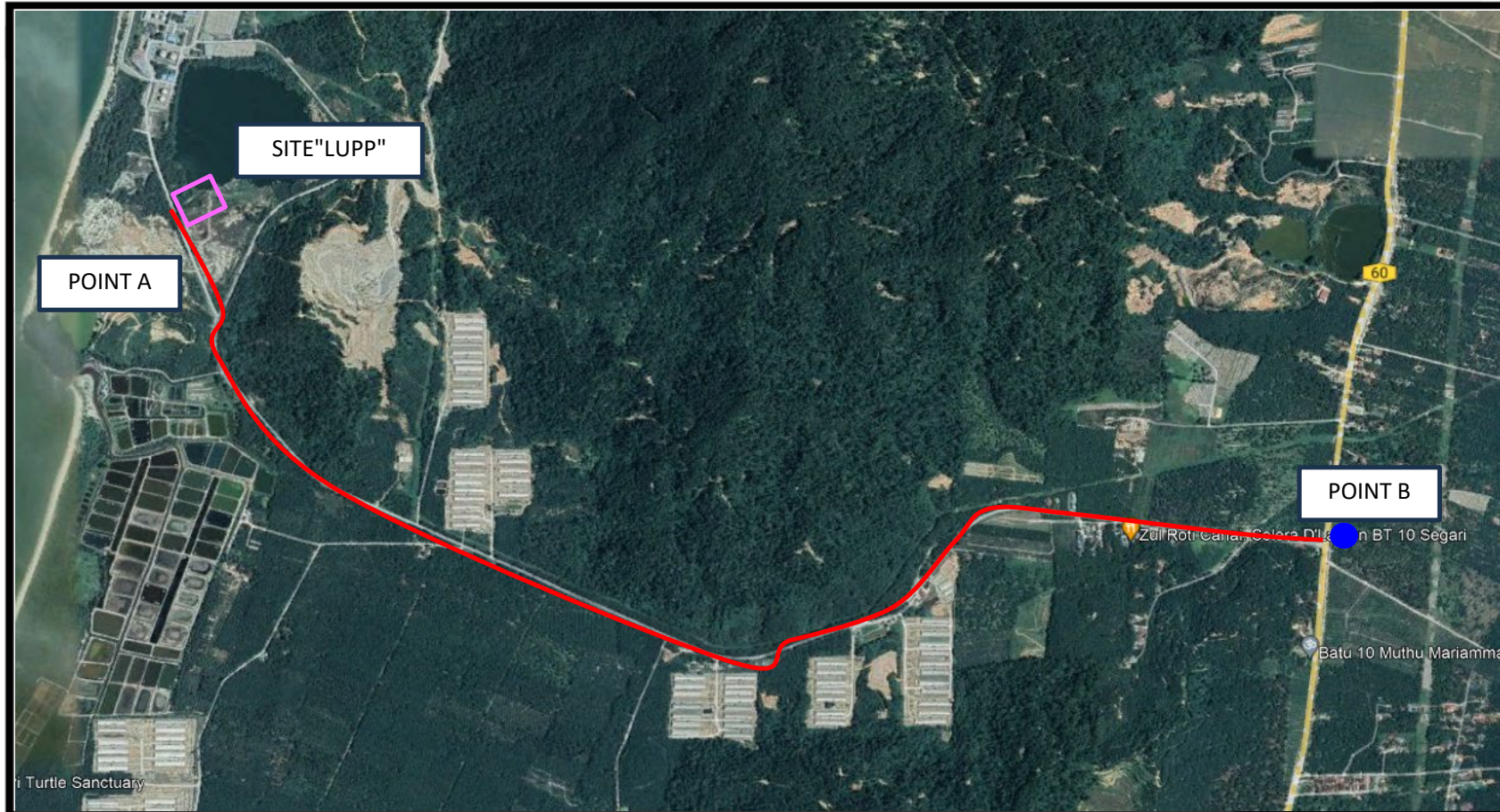
Date TP Submission


Date CW Completed

## Section 3

### Vicidnity Map





 <b>MAXIS BROADBAND SDN BHD</b> Level 9, Menara Maxis, Kuala Lumpur City Centre, 50088, Kuala Lumpur.	<b>TITLE:</b>	<b>Designed by:</b>	<b>Checked by:</b>	<b>Approved by:</b>
	CIVIL PLAN AT MAXIS SITE "LUPP-PTRE" 6403 LIMUT POWER PLAN 34900, SETIAWAN, PERAK.	VCOMM RESOURCES SDN BHD	M. NAZIM	M. NAZIM
		<b>Prepared by:</b> syimir najiy	<b>Date:</b> 23 FEBRUARY 2024	<b>Sheet No:</b> INDEKS
		<b>Job No:</b>	<b>File:</b>	<b>Rev:</b>

LEGEND



Proposed MH



Existing MH



Proposed duct

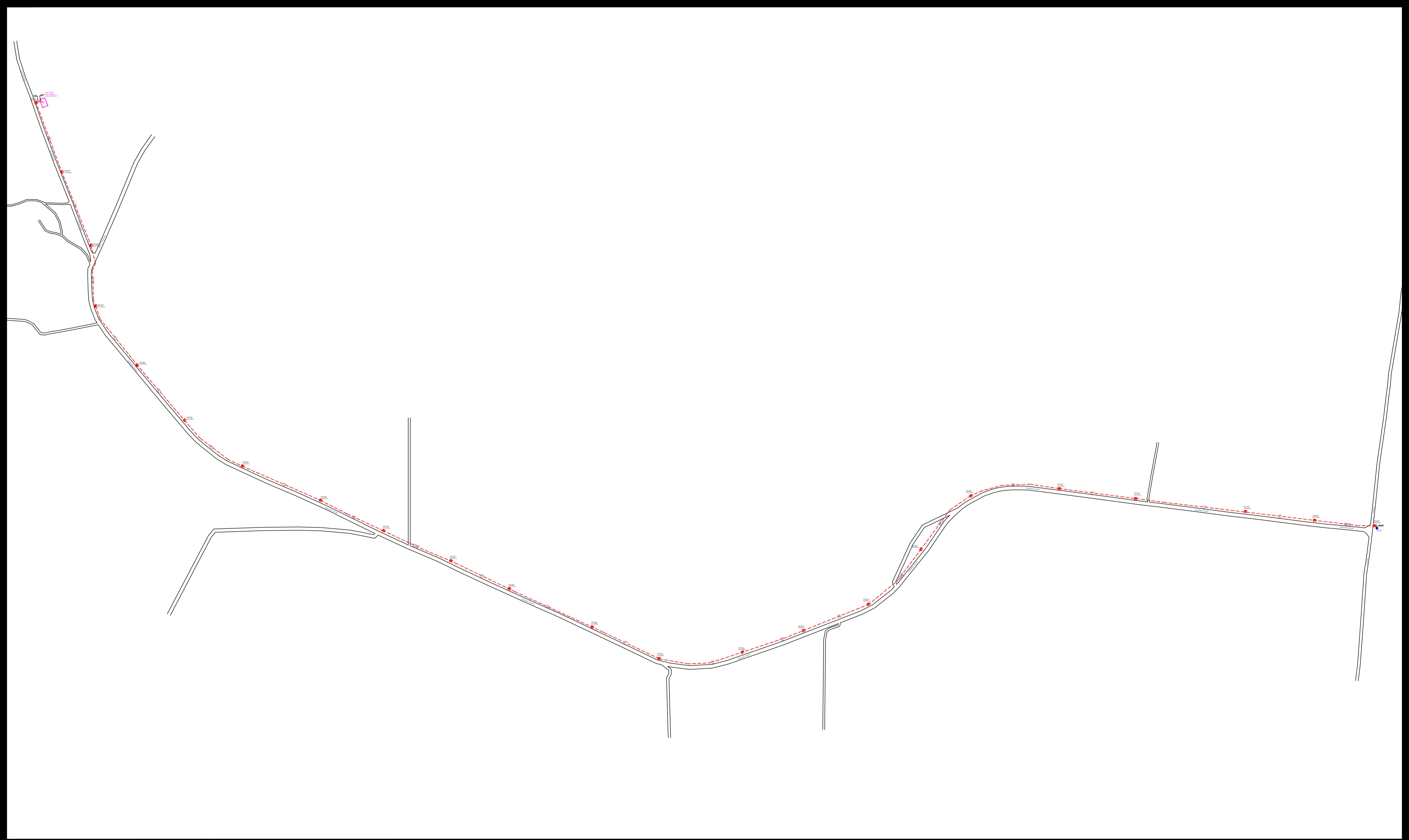


Existing duct

## Section 4

# Civil Infrastructure Route Plan & Permit Boundary





**MAXIS BROADBAND SDN BHD**  
 Level 9, Menara Maxis,  
 Kuala Lumpur City Centre,  
 50088, Kuala Lumpur.

**TITLE:**

CIVIL PLAN AT MAXIS SITE "LUPP-PTRE"  
 6403 LUMUT POWER PLAN  
 34900,SETIAWAN,PERAK.

**Designed by:**

VCOMM RESOURCES SDN BHD

**Prepared by:** syimir najiy

**Job No:**

**Checked by:**

M NAZIM

**Date:** 23 FEBRUARY 2024

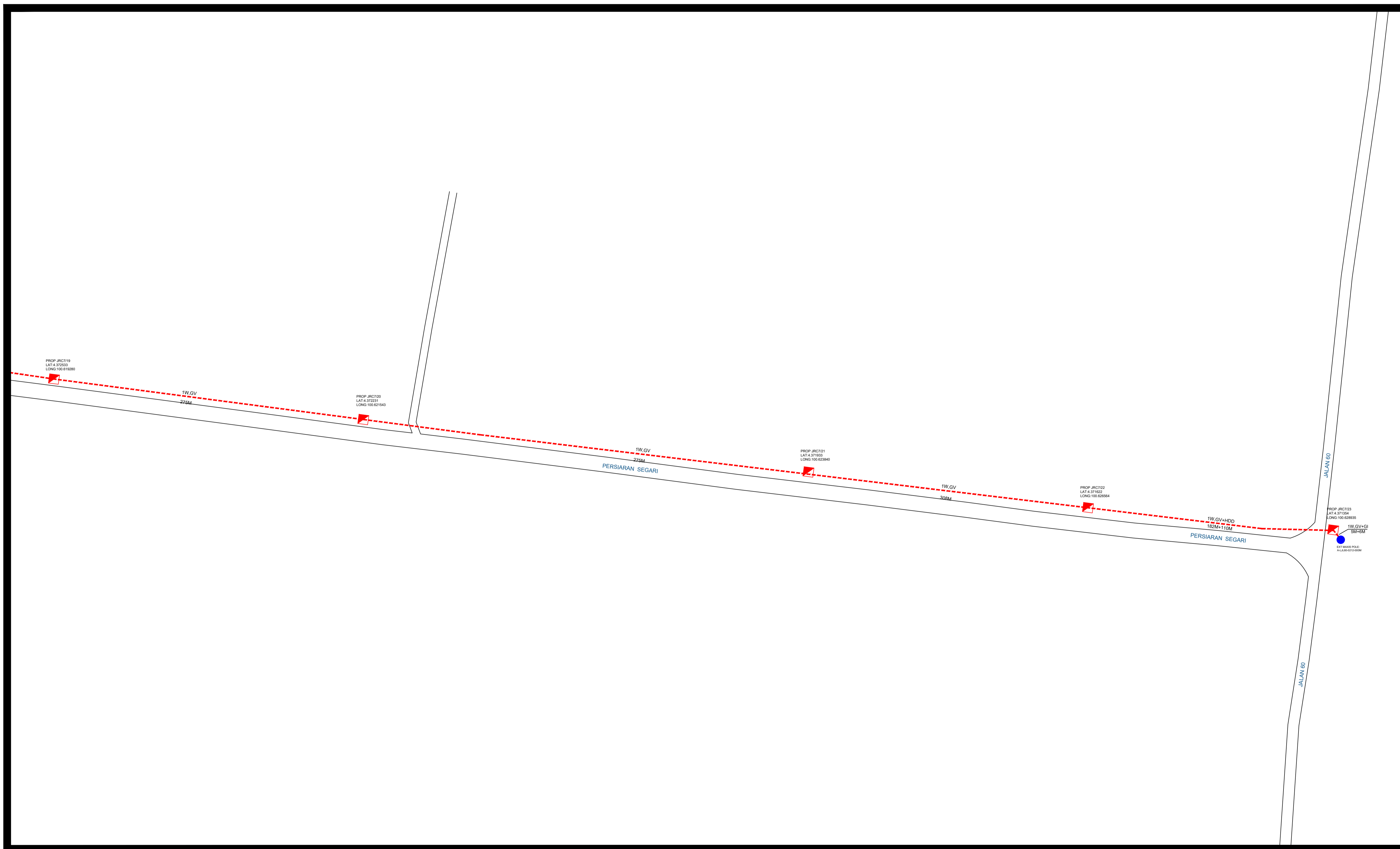
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**Approved by:**

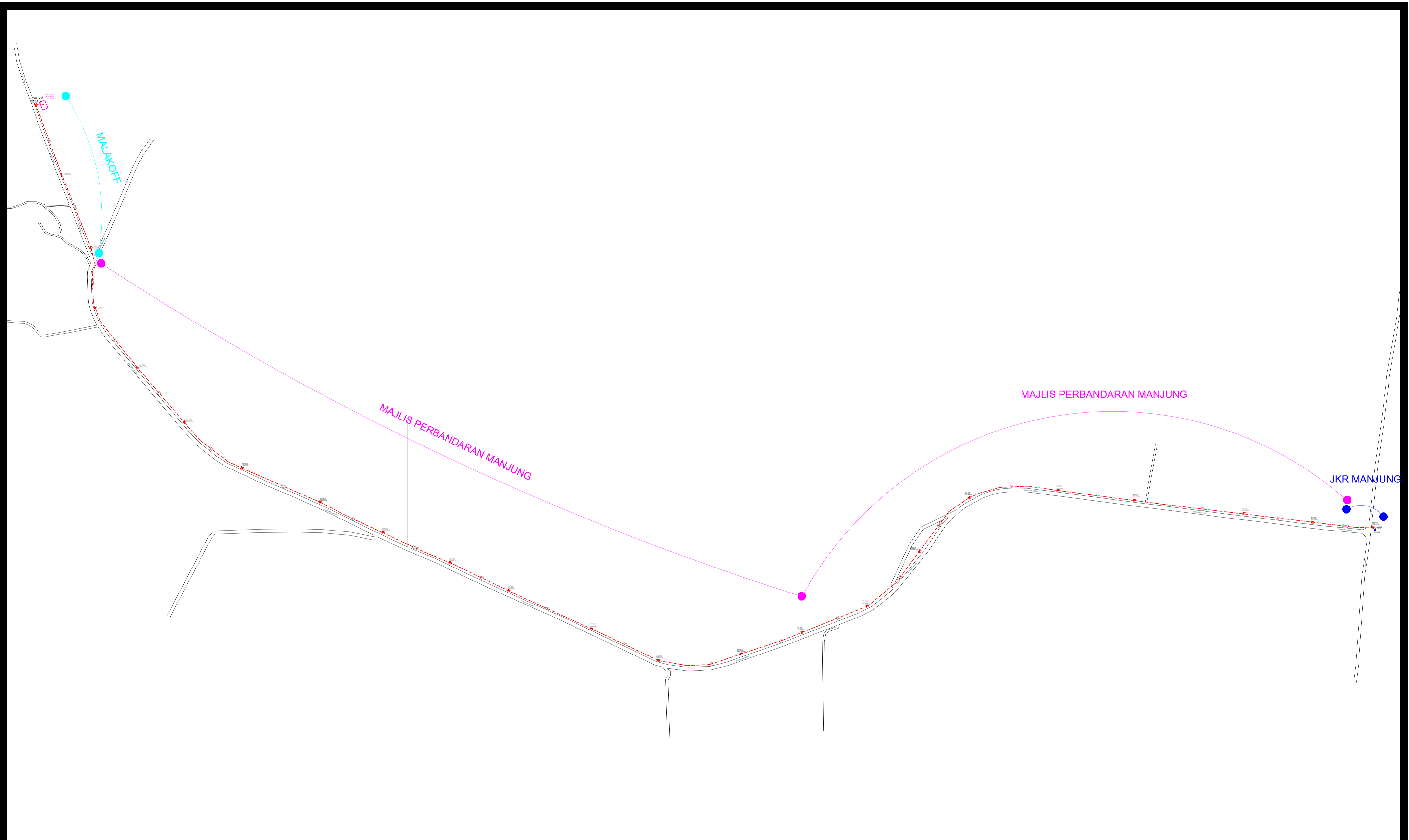
M NAZIM

**Sheet No:** INDEKS

**Rev:**



 <p><b>MAXIS BROADBAND SDN BHD</b> Level 9, Menara Maxis, Kuala Lumpur City Centre, 50088, Kuala Lumpur.</p>	<p><b>TITLE:</b> CIVIL PLAN AT MAXIS SITE "LUPP-PTRE" 6403 LUMUT POWER PLAN 34900,SETIAWAN,PERAK.</p>	<p><b>Designed by:</b> VCOMM RESOURCES SDN BHD</p>	<p><b>Checked by:</b> M NAZIM</p>	<p><b>Approved by:</b> M NAZIM</p>
		<p><b>Prepared by:</b> syimir najiy</p>	<p><b>Date:</b> 23 FEBRUARY 2024</p>	<p><b>Sheet No:</b> 6 OF 6</p>
		<p><b>Job No:</b></p>	<p><b>File:</b></p>	<p><b>Rev:</b></p>



**MAXIS BROADBAND SDN BHD**  
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 VCOMM RESOURCES SDN BHD

**Prepared by:** syimir najiy

**Job No:**

**Checked by:**  
 M NAZIM

**Date:** 23 FEBRUARY 2024

**File:**

**Approved by:**  
 M NAZIM

**Sheet No:** INDEKS

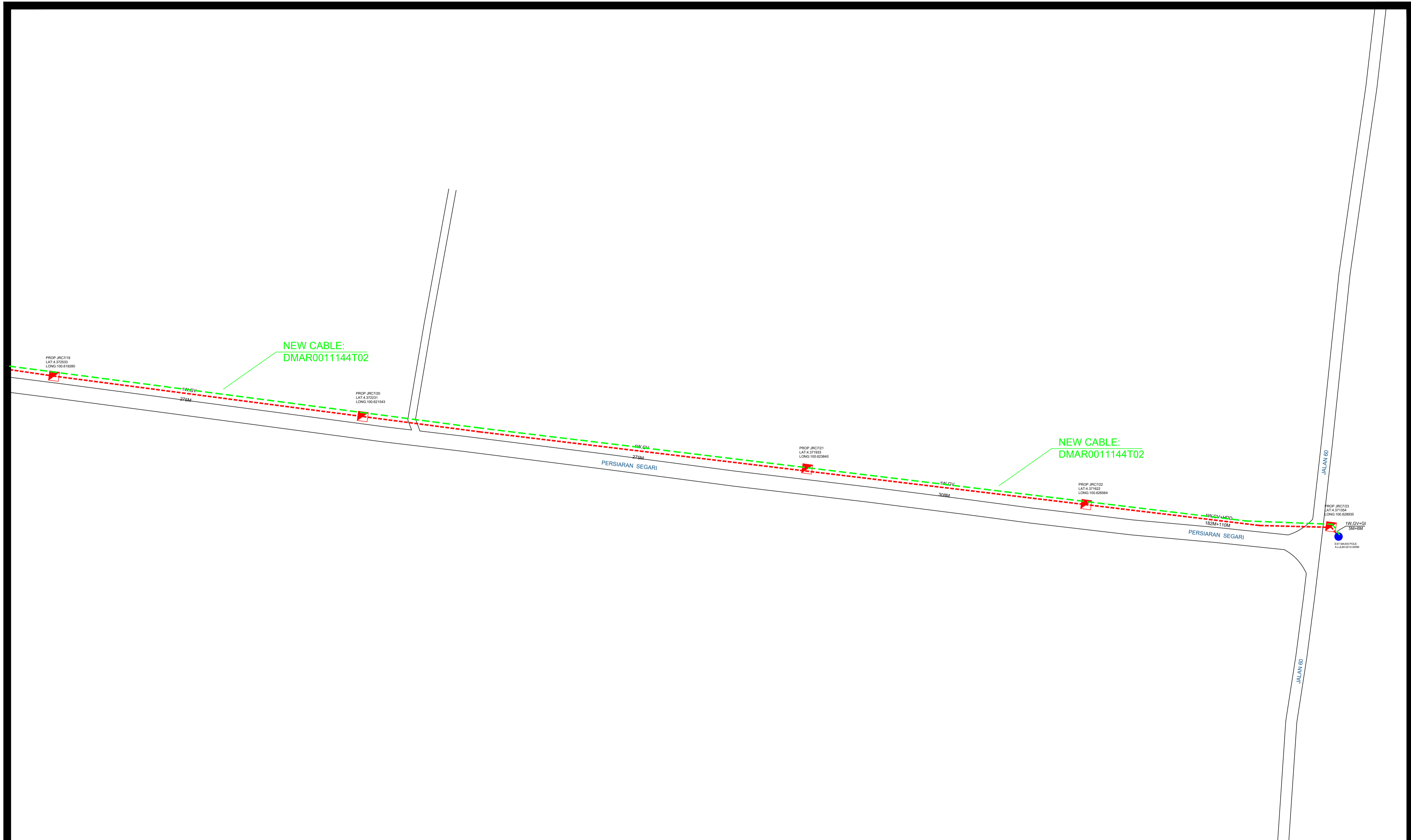
**Rev:**




**Section 6**

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





 <p><b>MAXIS BROADBAND SDN BHD</b> Level 9, Menara Maxis, Kuala Lumpur City Centre, 50088, Kuala Lumpur.</p>	<p><b>TITLE:</b> CABLE PLAN AT MAXIS SITE "LUPP-PTRE" 6403 LUMUT POWER PLAN 34900,SETIAWAN,PERAK.</p>	<p><b>Designed by:</b> VCOMM RESOURCES SDN BHD</p>	<p><b>Checked by:</b> M NAZIM</p>	<p><b>Approved by:</b> M NAZIM</p>
		<p><b>Prepared by:</b> syimir najiy</p>	<p><b>Date:</b> 23 FEBRUARY 2024</p>	<p><b>Sheet No:</b> 6 OF 6</p>
		<p><b>Job No:</b></p>	<p><b>File:</b></p>	<p><b>Rev:</b></p>

Section 8: Outside Plant Site Snapshot

