
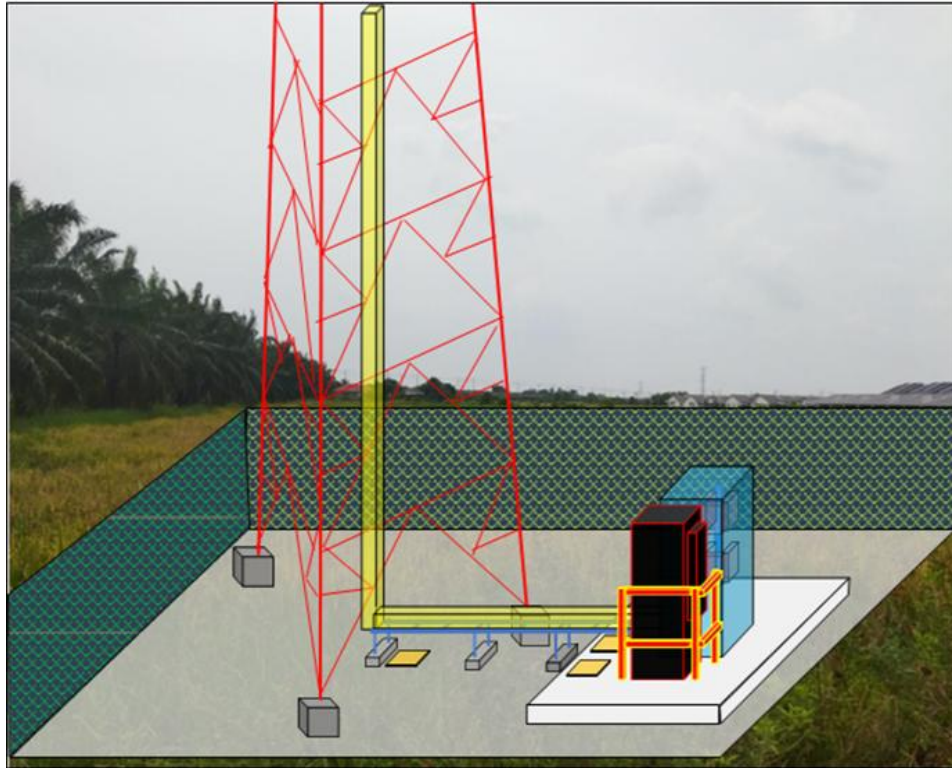
	CONTRACTOR	<b>VCOMM RESOURCES SDN BHD.</b>		
	SOW REF	<b>B12 - OSP CONSTRUCTION &amp; COMMISSIONING</b>		
	LRD	<b>BGNR - PONG</b>		
	SUBJECT	<b>FIBER TECHNICAL PROPOSAL</b>		



Region	<b>Northern</b>		
KV/OKV	<b>OKV</b>		
Point A	<b>BGNR</b>	Point B	<b>PONG</b>
Address	<b>KAMPUNG MATANG GERDU, 34300 BAGAN SERAI, PERAK</b>		
Site A Lat Long	<b>5.018132,100.533584</b>		
Site B Lat Long	<b>6.337000,99.814100</b>		
Structure Owner	<b>MAXIS</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 is contains the civil design proposal for MAXIS SITE 'BGNR - PONG' AT  
[KAMPUNG MATANG GERDU, 34300 BAGAN SERAI, 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: Aida Nad

Designation: Project Executive

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

<b>Overall proposed OSP Civil Infrastructure Design Distance</b>		<b>1113</b>	<b>meter</b>
a.	Horizontal directional drilling		meter
b.	Carriage way open cut trenching		meter
c.	Grass verge open cut trenching	<b>12</b>	meter
d.	Micro-trenching (mT)		meter
e.	Maxis Pole	<b>1095</b>	meter
f.	Cable trunking		meter
g.	GI Pipes Crossing/Riser	<b>6</b>	meter
h.	Pulling Cable On Exsiting Infra		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 aerial		pc
No. of proposed manhole	<b>1</b>	pc
Area of milling work required		meter

<b>Local council &amp; authority approval requirement</b>		<b>1113</b>	meter
a.	JKR KERIAN	<b>63</b>	meter
b.	PEJABAT DAERAH & TANAH KERIAN	<b>1050</b>	meter
c.			meter
d.			meter

<b>Estimated Cost of the Scheme/Project</b>	<b>39,535.95</b>	<b>RM</b>
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Type of building:	TOWER
Address:	KAMPUNG MATANG GERDU, 34300 BAGAN SERAI, PERAK
Contact person:	
Contact no.:	

### Existing Infrastructure Information

Preceding duct/sub-duct space	Existing pole at <a href="#">Jalan Mahkamah (A-LPONG-0006-000M)</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

### SLA

Date Survey Triggered

**1/12/2022**

Survey Done (Days)	TP Submission (Days)
<b>3</b>	<b>7</b>

### Implementation

Method	Distance (m)	CW (Days)
Underground	12	88
Pole	1095	14
<b>Total</b>	<b>1107</b>	<b>102</b>

Date TP Submission

**11/12/2022**

Date CW Completed

**26/3/2023**

## Section 3

### Vicidnity Map







 <b>MAXIS BROADBAND SDN BHD</b> Level 3, Menara Maxis, Kuala Lumpur City Centre, Off Jalan Ampang, 50088, Kuala Lumpur.	<b>TITLE:</b> LOCATION PLAN FOR MAXIS : SITE BGNR – PONG AT KAMPUNG MATANG GERDU, 34300 BAGAN SERAI, PERAK.	<b>Designed by:</b> VCOMM RESOURCES SDN BHD	<b>Checked by:</b> M.NAZIM MAHMUD	<b>Approved by:</b> M.NAZIM MAHMUD
	<b>Prepared by:</b> AIDA NAD	<b>Date:</b> 07 DEC 2022	<b>Sheet No:</b> 1 OF 1	
	<b>Job No:</b>	<b>File:</b>	<b>Rev:</b>	

**LEGEND**

 Proposed MH

 Existing MH

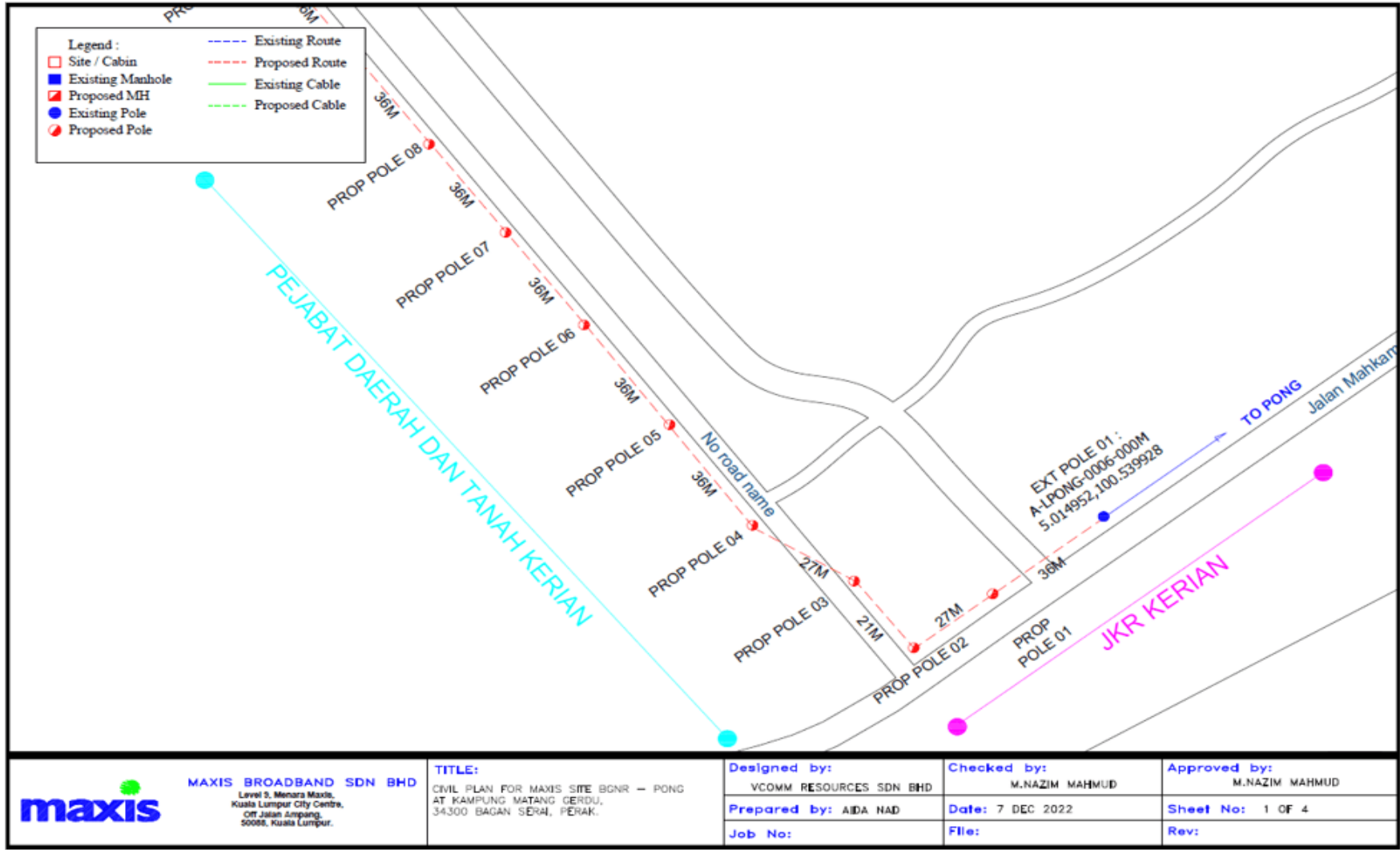
 Proposed duct

 Existing duct






## Section 4

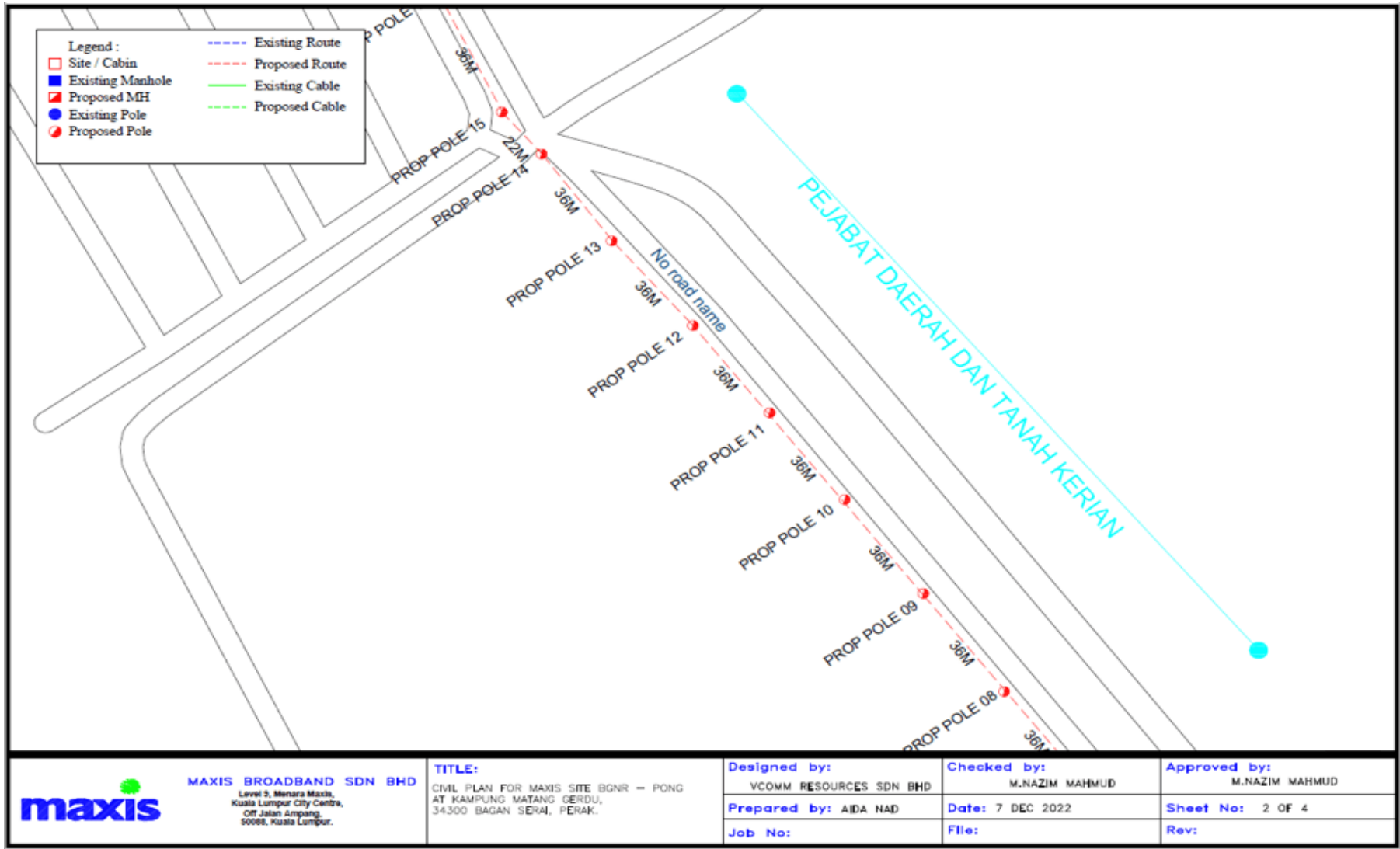
# Civil Infrastructure Route Plan & Permit Boundary



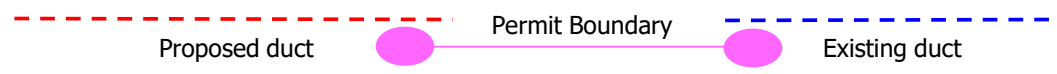


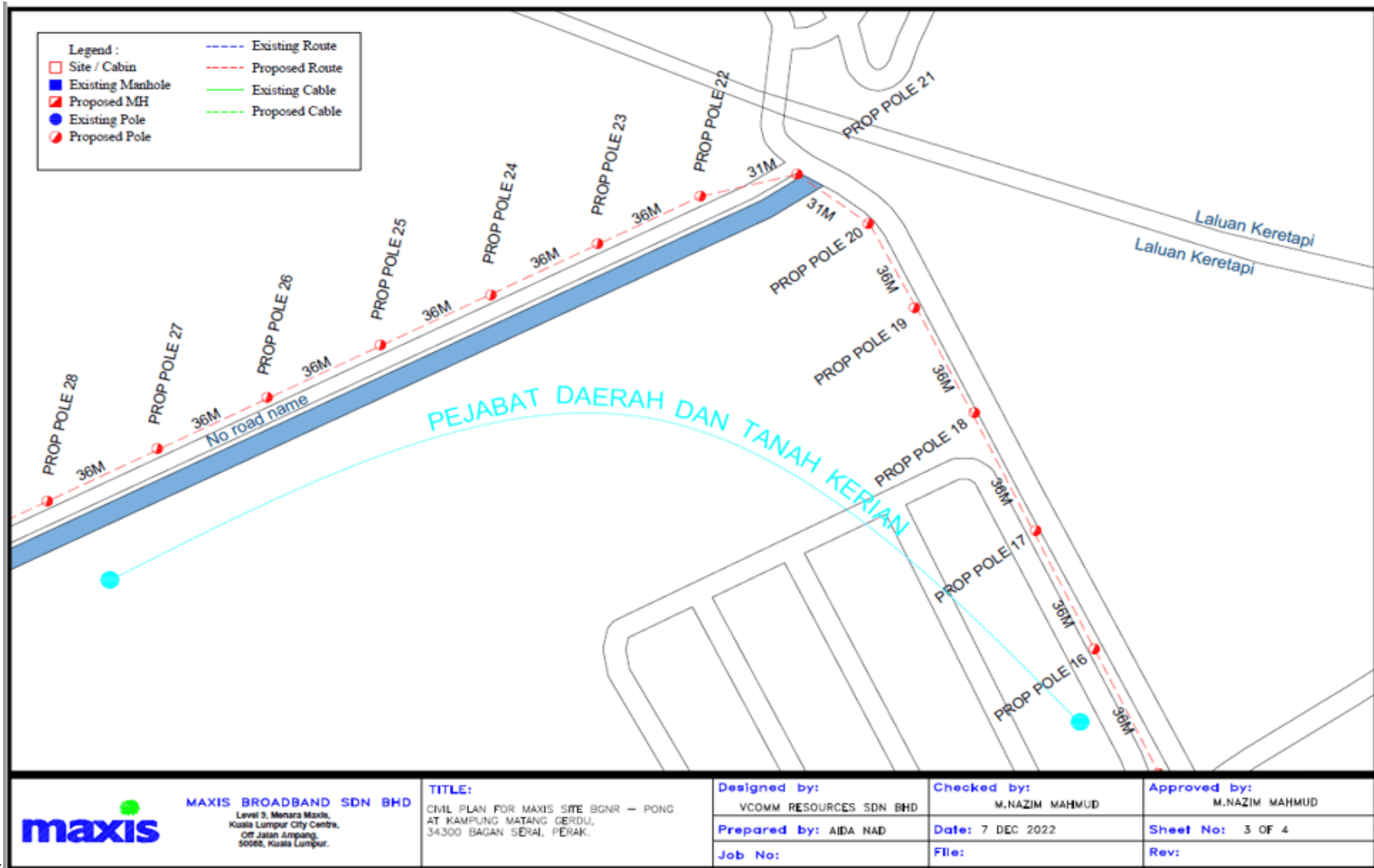
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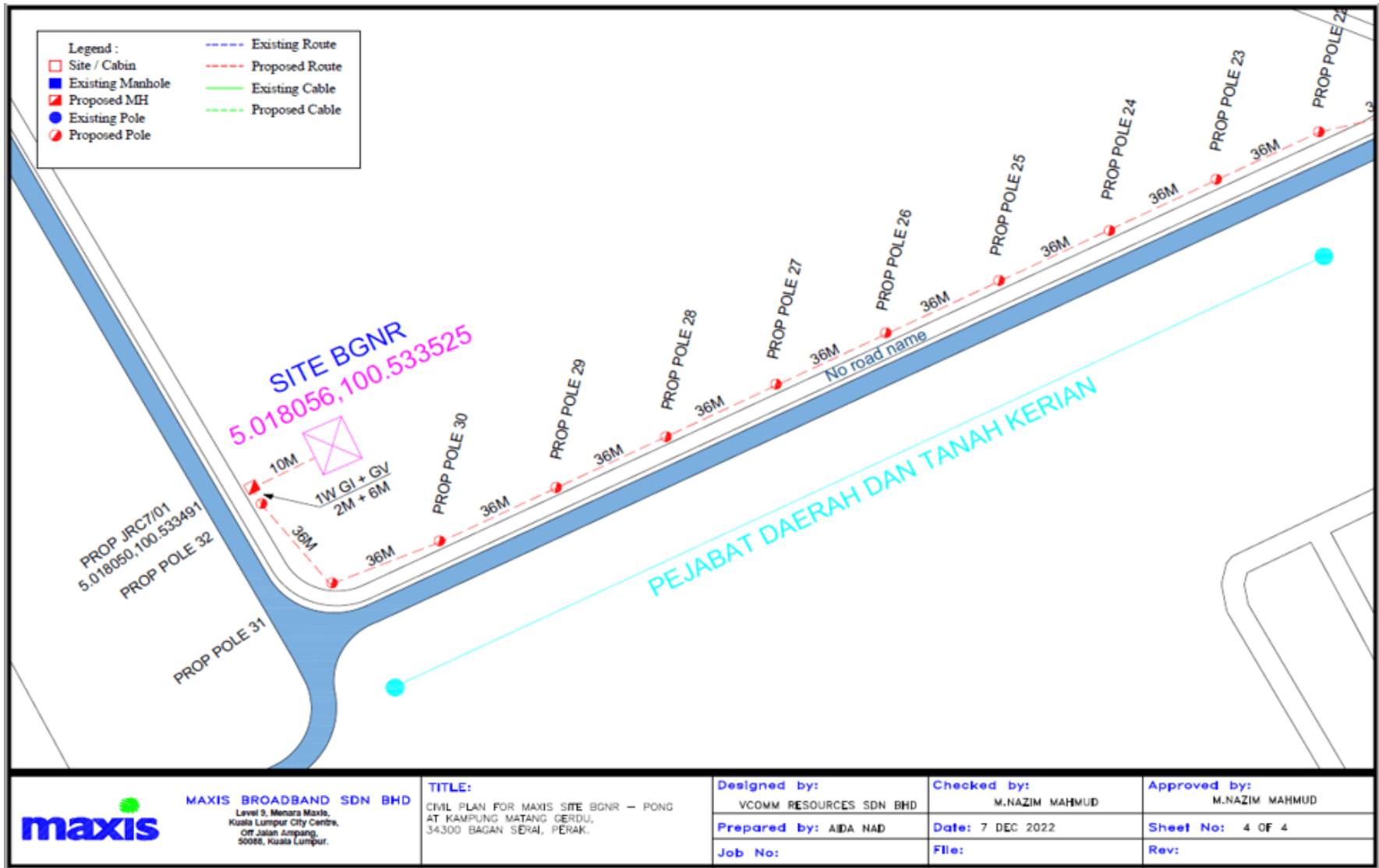
-   
 Proposed MH
-   
 Existing MH
-   
 Proposed duct
- 
-   
 Existing duct



**LEGEND**





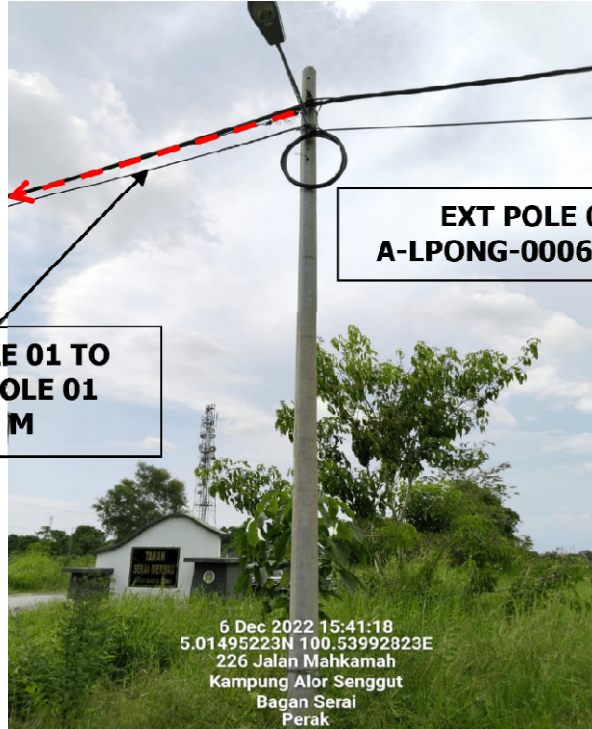


## Section 5: Proposed Manhole GPS Coordinate

Structure A	Structure B	Lat. A (Dec)	Long. A (Dec)	Proposed Method	Distance Breakdown (m)
A-LPONG-0006-000M	PROP POLE 01	5.014952	100.53993	POLE	36
PROP POLE 01	PROP POLE 02	5.0147546	100.53969	POLE	27
PROP POLE 02	PROP POLE 03	5.0146138	100.5395	POLE	21
PROP POLE 03	PROP POLE 04	5.0147725	100.53939	POLE	27
PROP POLE 04	PROP POLE 05	5.0149712	100.53925	POLE	36
PROP POLE 05	PROP POLE 06	5.0152287	100.53907	POLE	36
PROP POLE 06	PROP POLE 07	5.0154787	100.53888	POLE	36
PROP POLE 07	PROP POLE 08	5.0157217	100.5387	POLE	36
PROP POLE 08	PROP POLE 09	5.0159617	100.53851	POLE	36
PROP POLE 09	PROP POLE 10	5.0162149	100.53833	POLE	36
PROP POLE 10	PROP POLE 11	5.0164598	100.53814	POLE	36
PROP POLE 11	PROP POLE 12	5.0167085	100.53795	POLE	36
PROP POLE 12	PROP POLE 13	5.0169498	100.53776	POLE	36
PROP POLE 13	PROP POLE 14	5.0171975	100.53757	POLE	36
PROP POLE 14	PROP POLE 15	5.0174361	100.53736	POLE	22
PROP POLE 15	PROP POLE 16	5.0175991	100.53726	POLE	36
PROP POLE 16	PROP POLE 17	5.0178815	100.53712	POLE	36
PROP POLE 17	PROP POLE 18	5.0181576	100.537	POLE	36
PROP POLE 18	PROP POLE 19	5.0184277	100.53686	POLE	36
PROP POLE 19	PROP POLE 20	5.0187049	100.53672	POLE	36
PROP POLE 20	PROP POLE 21	5.0189845	100.53658	POLE	31
PROP POLE 21	PROP POLE 22	5.0191422	100.53637	POLE	31
PROP POLE 22	PROP POLE 23	5.0190106	100.53613	POLE	36
PROP POLE 23	PROP POLE 24	5.0188684	100.53586	POLE	36
PROP POLE 24	PROP POLE 25	5.0187283	100.53558	POLE	36
PROP POLE 25	PROP POLE 26	5.0185794	100.53531	POLE	36
PROP POLE 26	PROP POLE 27	5.0184406	100.53503	POLE	36
PROP POLE 27	PROP POLE 28	5.0182956	100.53476	POLE	36
PROP POLE 28	PROP POLE 29	5.0181579	100.53448	POLE	36
PROP POLE 29	PROP POLE 30	5.0180128	100.53421	POLE	36
PROP POLE 30	PROP POLE 31	5.017882	100.53393	POLE	36
PROP POLE 31	PROP POLE 32	5.0177533	100.53365	POLE	36
PROP POLE 32	PROP JRC7/01	5.0180254	100.5335	GI/GV	6/2
PROP JRC7/01	SITE BGNR	5.0180496	100.53349	GV	10
SITE BGNR		5.018056	100.53353		

**Section 8: Outside Plant Site Snapshot**

**PHOTO 1**



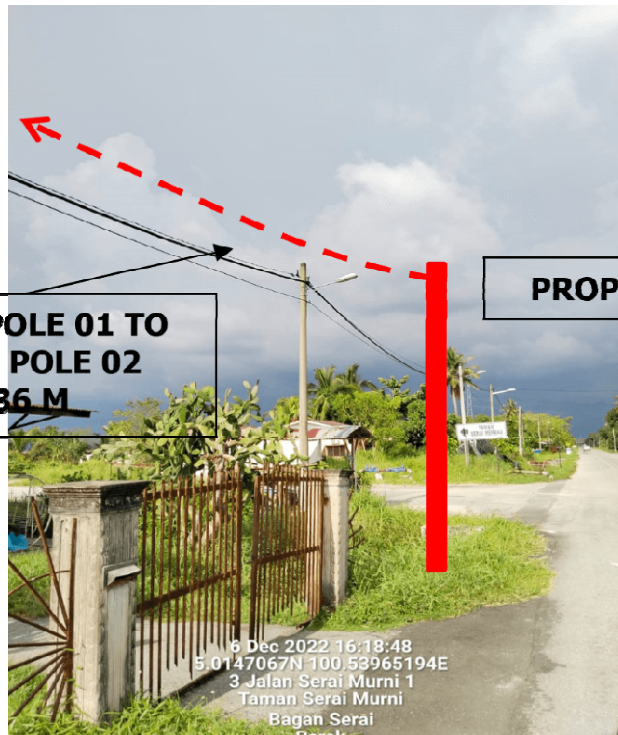
**EXT POLE 01  
A-LPONG-0006-000M**

**EXT POLE 01 TO  
PROP POLE 01  
36 M**

6 Dec 2022 15:41:18  
5.01495223N 100.53992823E  
226 Jalan Mahkamah  
Kampung Alor Senggut  
Bagan Serai  
Perak

**LOCATION AT JALAN MAHKAMAH**

**PHOTO 2**



**PROP POLE 01**

**PROP POLE 01 TO  
PROP POLE 02  
36 M**

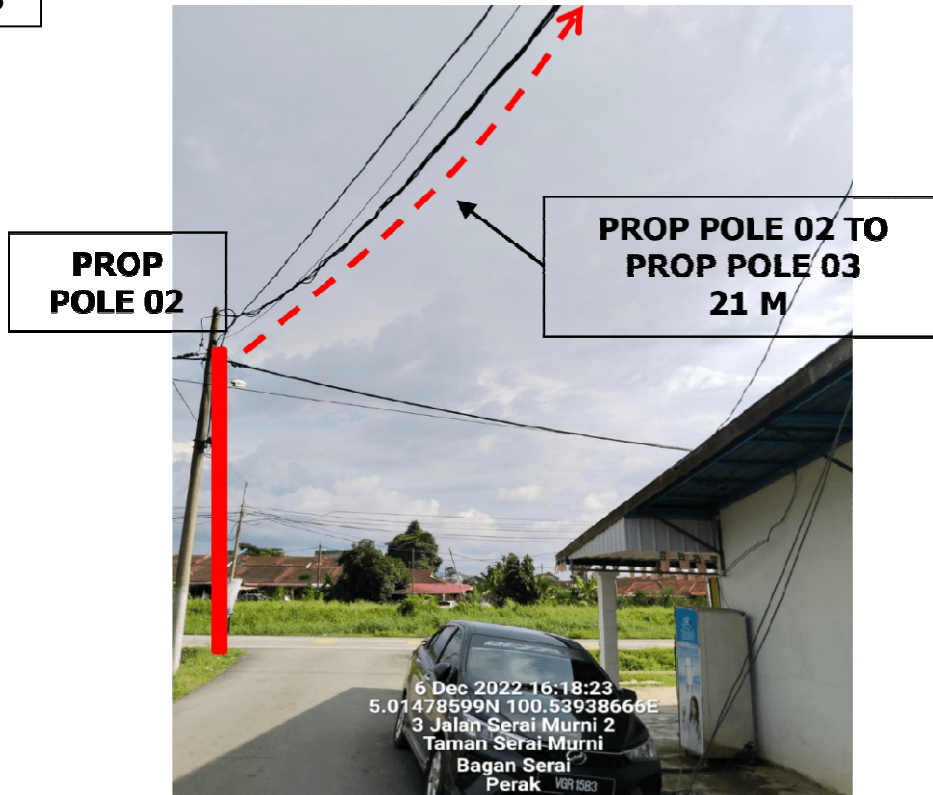
6 Dec 2022 16:18:48  
5.0147067N 100.53965194E  
3 Jalan Serai Murni 1  
Taman Serai Murni  
Bagan Serai  
Perak



**LOCATION AT JALAN SERAI MURNI 2**

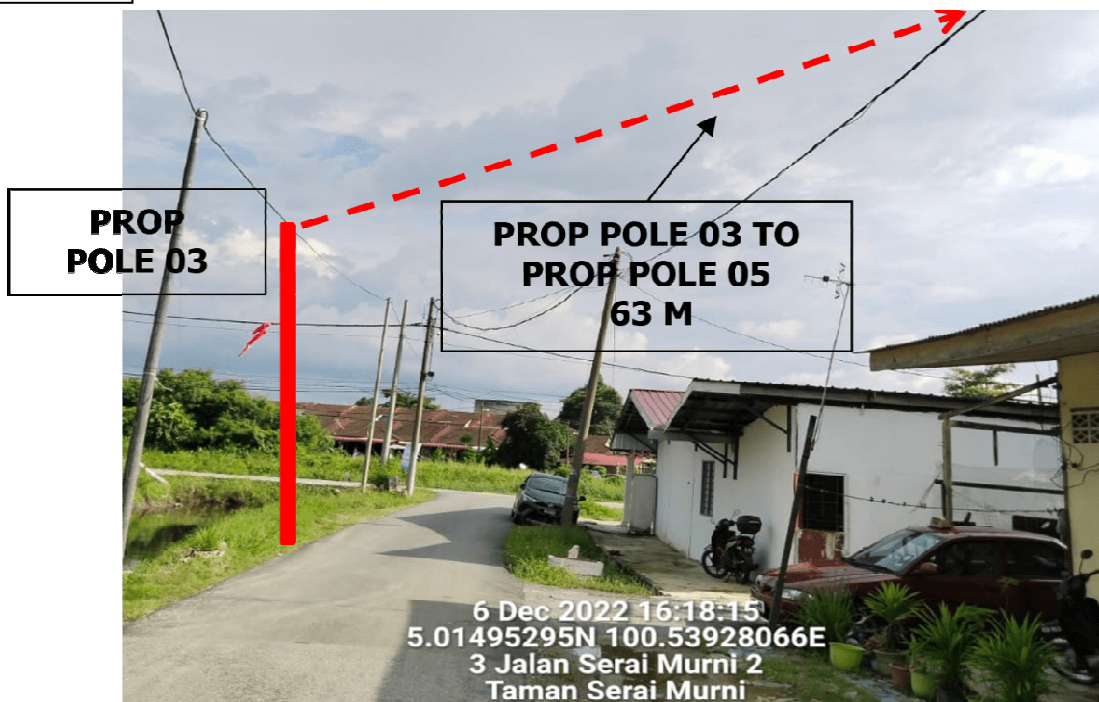
Section 8: Outside Plant Site Snapshot

PHOTO 3



LOCATION AT JALAN SERAI MURNI 2

PHOTO 4

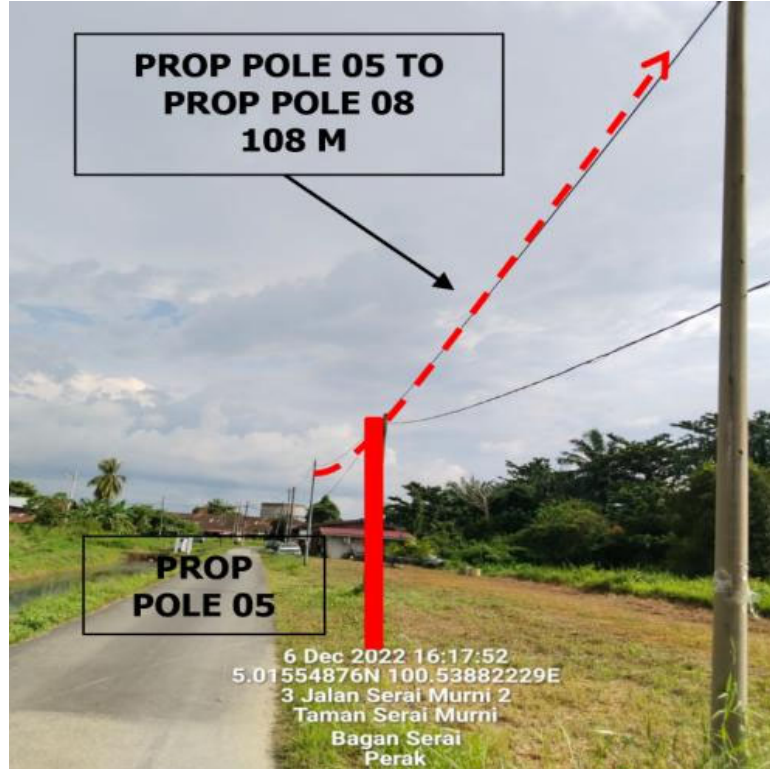


Bagan Serai

**LOCATION AT JALAN SERAI MURNI 2**

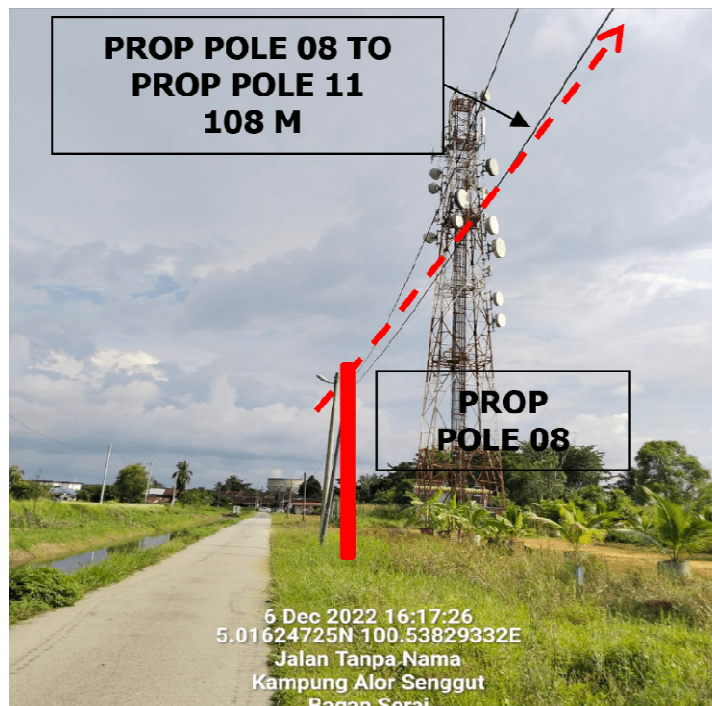
**Section 8: Outside Plant Site Snapshot**

**PHOTO 5**



**LOCATION AT JALAN SERAI MURNI 2**

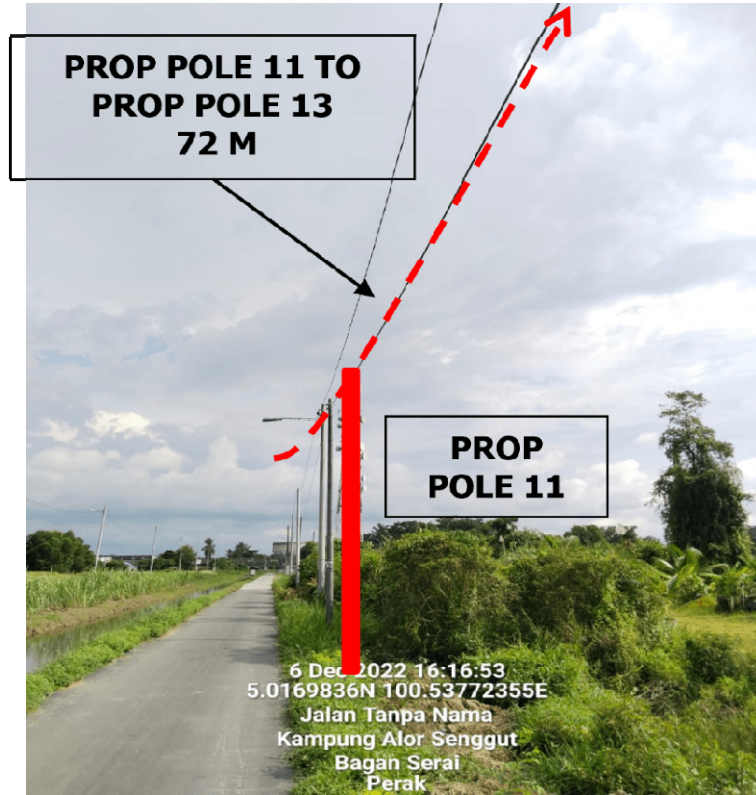
**PHOTO 6**



**LOCATION AT JALAN TANPA NAMA**

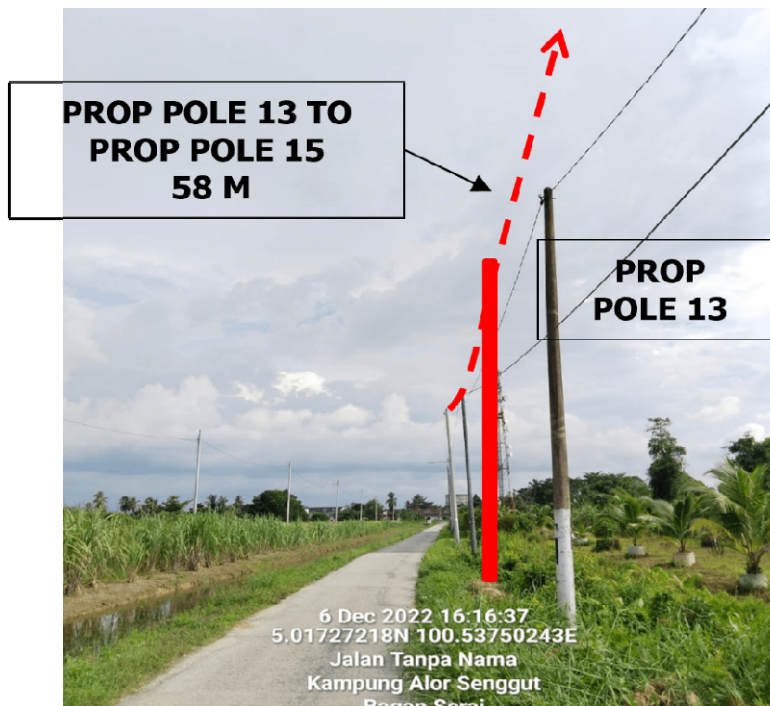
### Section 8: Outside Plant Site Snapshot

PHOTO 7



LOCATION AT JALAN TANPA NAMA

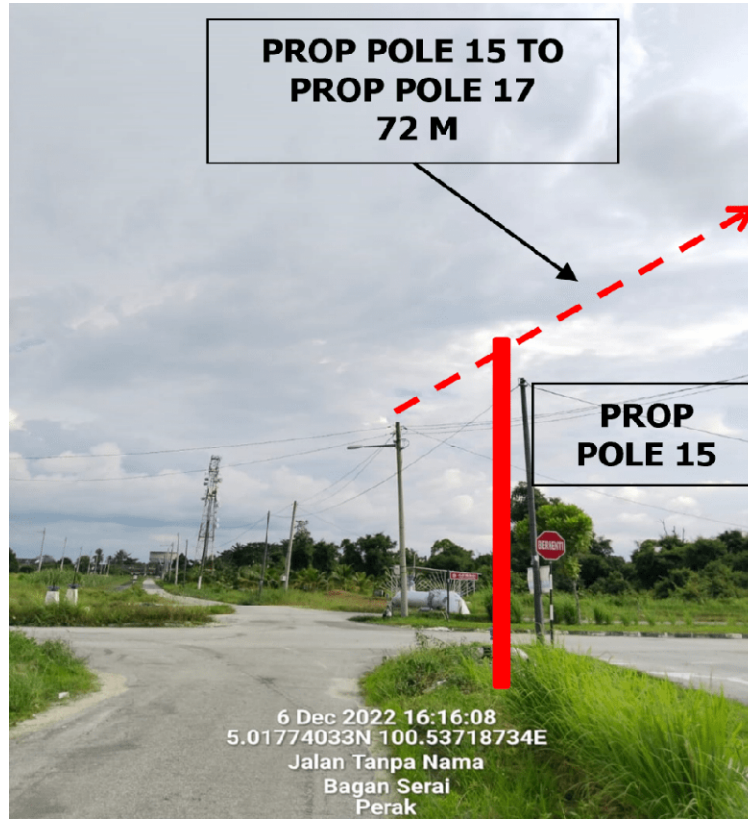
PHOTO 8



**LOCATION AT JALAN TANPA NAMA**

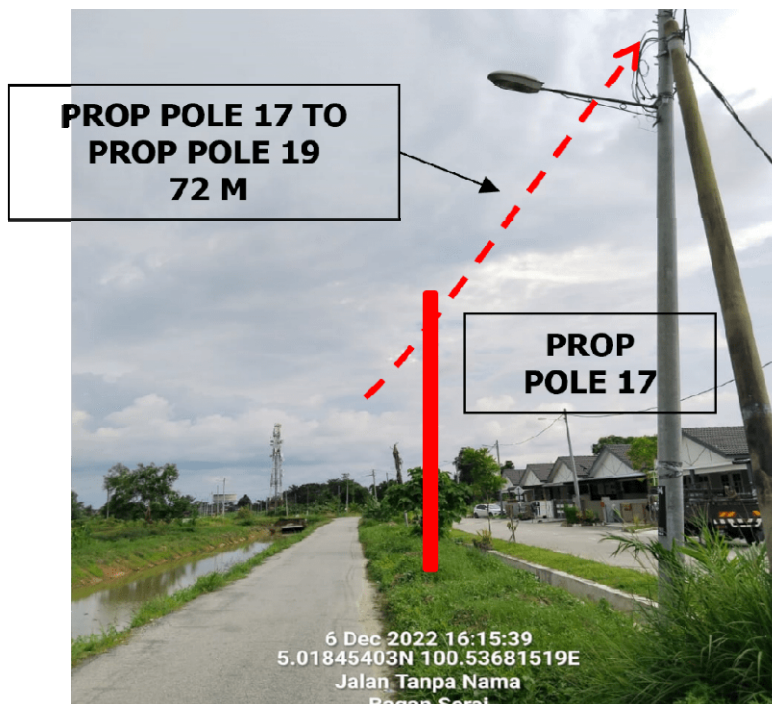
### Section 8: Outside Plant Site Snapshot

PHOTO 9



LOCATION AT JALAN TANPA NAMA

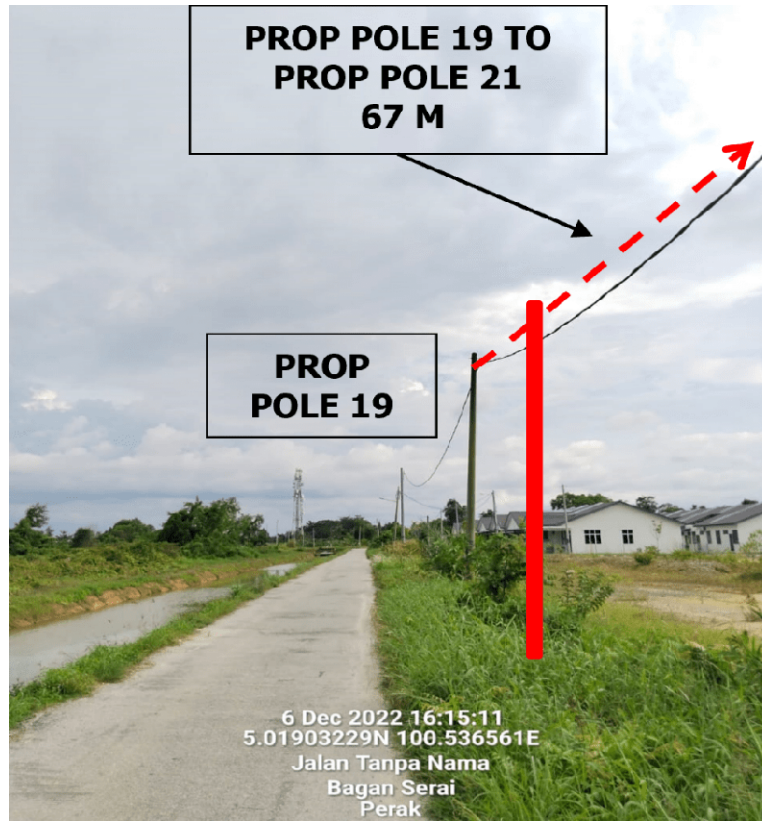
PHOTO 10



**LOCATION AT JALAN TANPA NAMA**

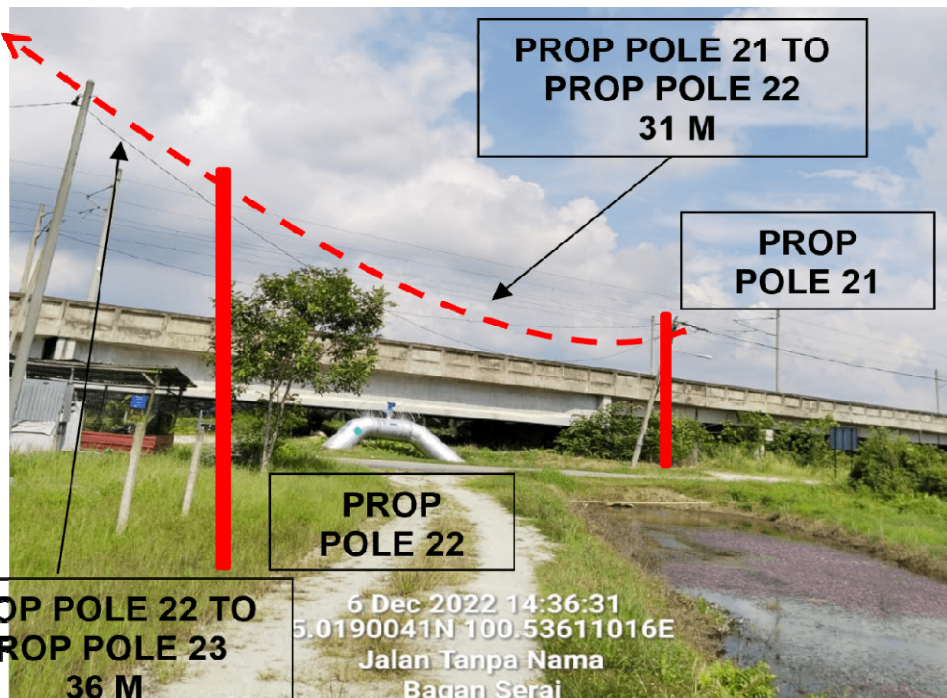
Section 8: Outside Plant Site Snapshot

PHOTO 11



LOCATION AT JALAN TANPA NAMA

PHOTO 12



**LOCATION AT JALAN TANPA NAMA**

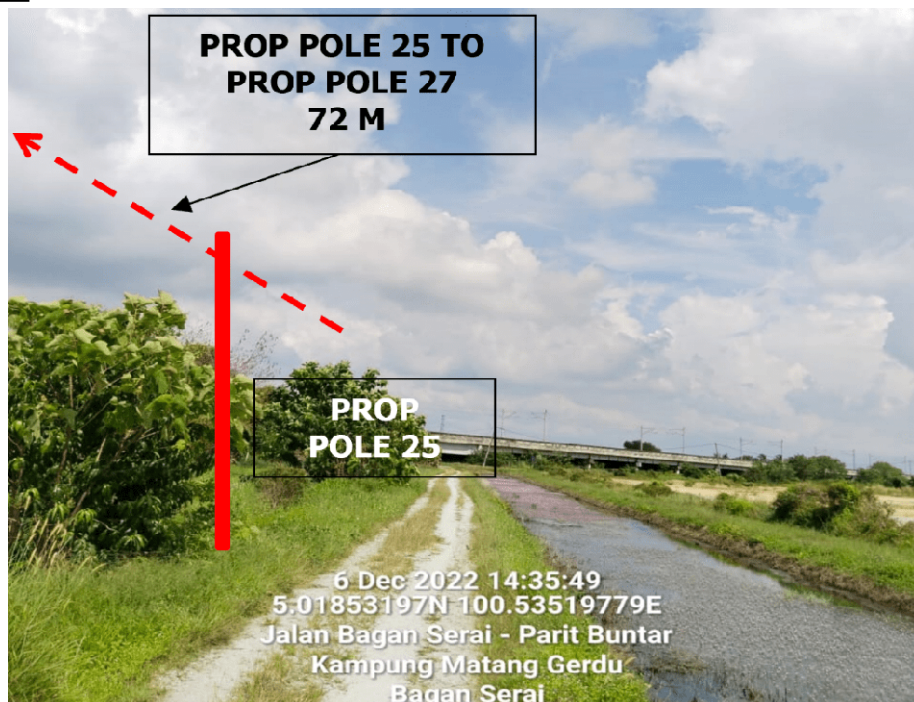
**Section 8: Outside Plant Site Snapshot**

**PHOTO 13**



**LOCATION AT JALAN TANPA NAMA**

**PHOTO 14**



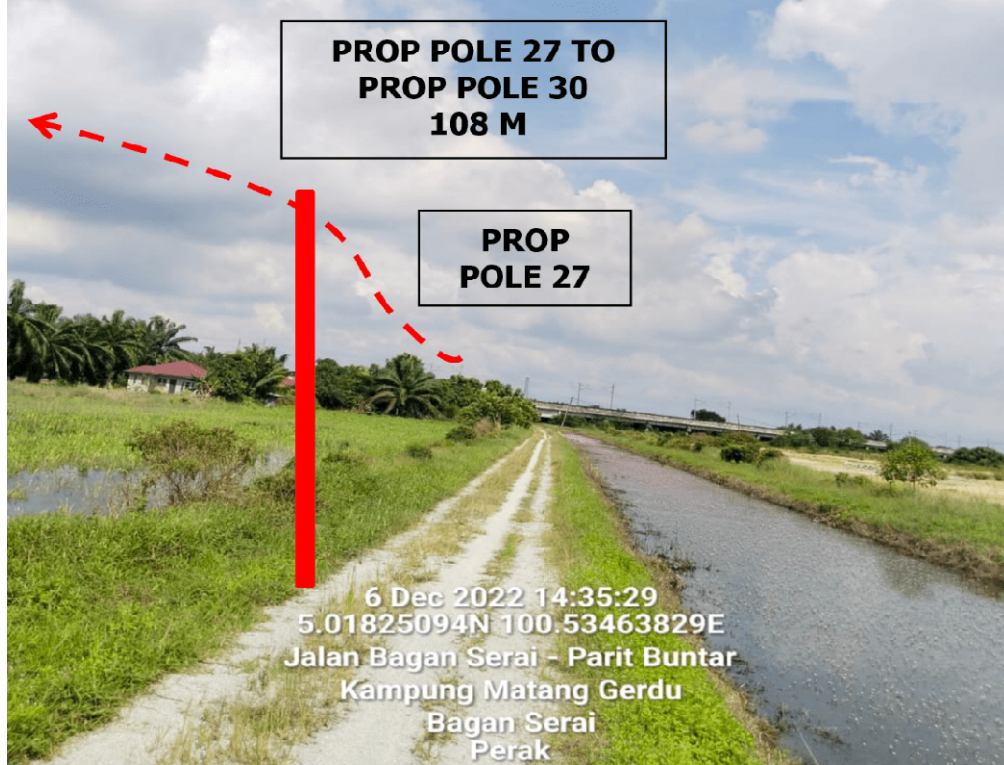


Perak

**LOCATION AT JALAN BAGAN SERAI**

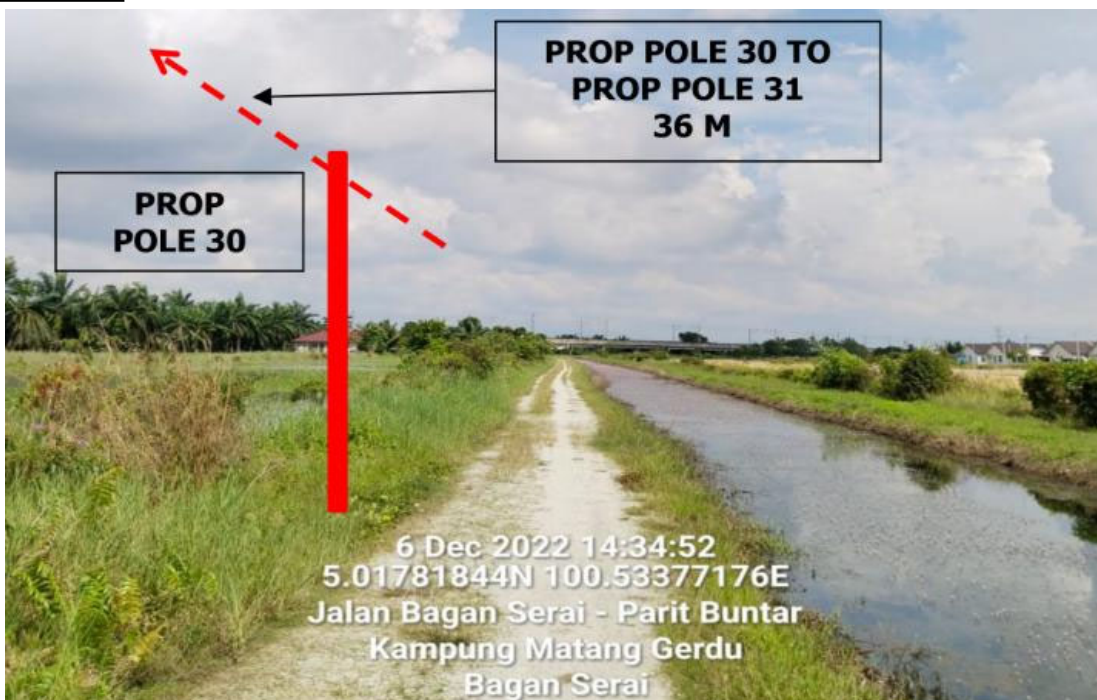
**Section 8: Outside Plant Site Snapshot**

**PHOTO 15**



**LOCATION AT JALAN BAGAN SERAI**

**PHOTO 16**



**LOCATION AT JALAN BAGAN SERAI**

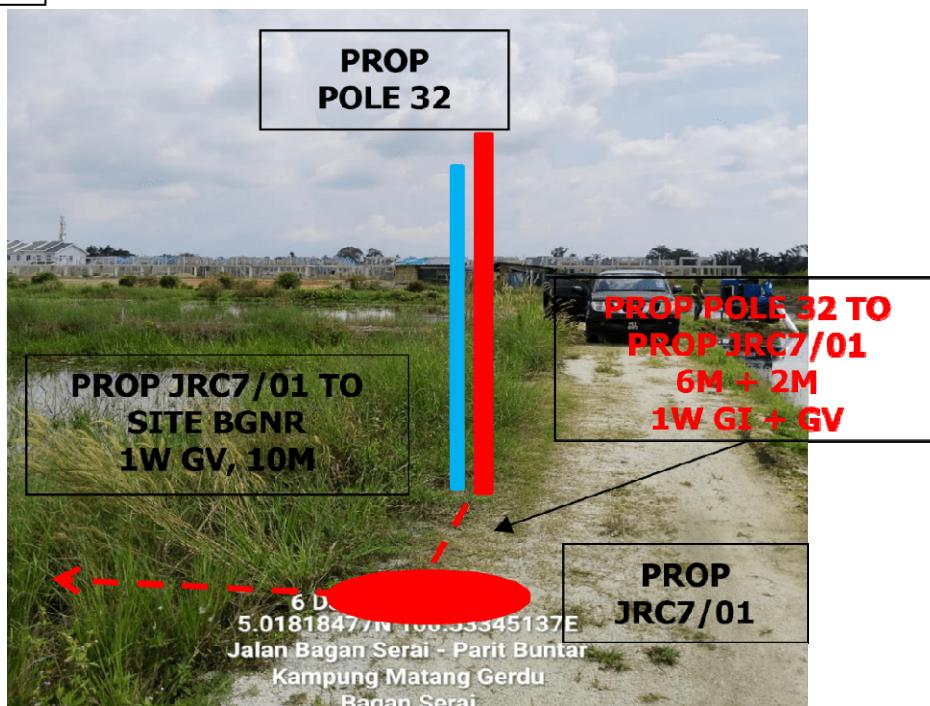
**Section 8: Outside Plant Site Snapshot**

**PHOTO 17**



**LOCATION AT JALAN JATI**

**PHOTO 18**



Perak

**LOCATION AT JALAN BAGAN SERAI**