

TECHNICAL PROPOSAL (OSP)



Ext. MH1

LAT : 4.757973 , LONG : 100.936975



Ext. MH2

LAT : 4.755817, LONG : 100.934950

EXISTING CIVIL INFRASTRUCTURE, PROPOSED 1WAY OPENCUT / MCT FIBRE OPTIC CABLING

Project Name: TP EX IMPLEMENTATION – JALAN BUKIT KERAJAAN (BUKIT CHANDRAN)

Region : NORTHERN

Site/Link Name : NM_12-0272_4373A_KTM K.KANGSAR to 4377B_BKT MERCU

Site A : 4373A_KTM K.KANGSAR

Site B : 4377B_BKT MERCU

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1.0 OSP

Section 1: Proposal Sign-off sheet

This proposal is to provide new civil infrastructure and fibre optic cabling for link below :

Location A : 4373A_KTM K.KANGSAR
Location B : 4377B_BKT MERCU

Contractor

Name : MUTANIC TECHNOLOGY SDN BHD
Signature : 
Check & Approved date : 27/06/2025
Submission Date : 27/06/2025

CelcomDigi Authorized Personel

Verify By

Signature : _____
Name : _____
Date : _____

Approved By

Signature : _____
Name : _____
Date : _____

OSP Summary

Overall proposed Civil Infrastructure Design Distance		1000	meter
a.	MICRO Trenching	150	meter
b.	Horizontal directional drilling	N/A	meter
c.	Carriage way open cut trenching	N/A	meter
d.	Proposed Cable Trunking	N/A	meter
e.	Grass Verge open cut trenching	850	meter
f.	Other (LAMP POLE)	N/A	meter
g.	Exist cable ladder (in cabin)	N/A	meter
Pulling new cable Digi 144C		1100	meter
Pulling new cable Celcom 96C		1100	meter
Proposed new closure 144c		2	Pc
Proposed new closure 96c		2	Pc
No.of proposed Manhole/Joint Box/JB30		4	Pc
SLEEVE		N/A	pc
EXIST M/H		2	pc
Area of milling work required		N/A	meter ²
Estimated timeline required for job completion		N/A	days

Existing Infrastructure Information

Preceding duct/sub-duct space	N/A
Preceding duct/sub-duct condition	N/A
Existing / tapping manhole	N/A
Existing cable/fiber condition	N/A

TENAGA Pole Option:

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

3rd parties Dependencies

Item	Parties involve and location
LA/LC	KUDR, JKR Kuala Kangsar
LLM / KTM / SBC / etc	NA
Building Management / Land Lord	NA
Private Owners	NA

Other Highlights/Remark

<p>-TP relocate existing MH XD</p> <p>- Existing MH XD located inside private property. Landlord inform they will build house on the alignment infra XD</p> <p>Instruction to relocate infra from CD pic</p>
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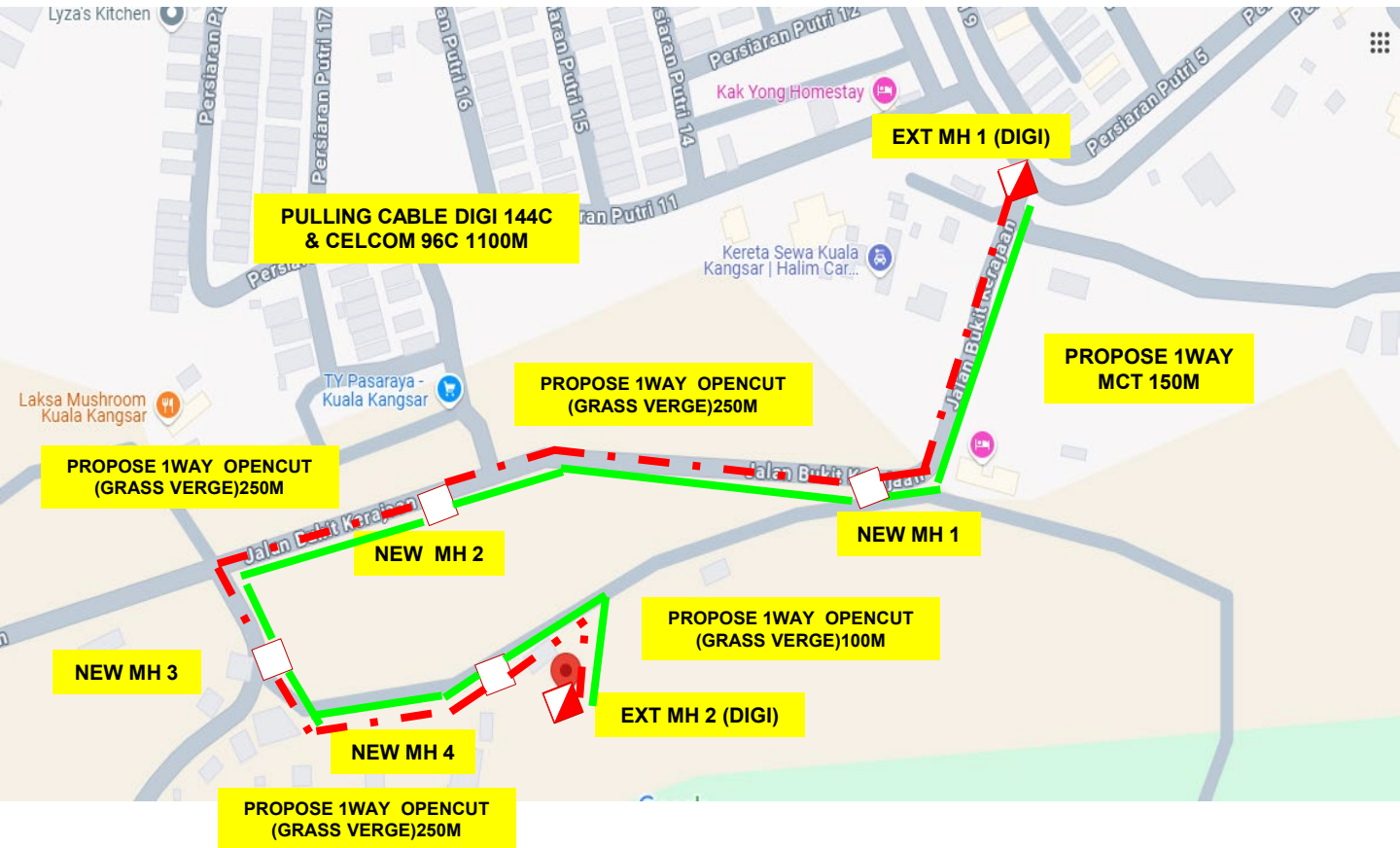
Manholes GPS Coordinates

MANHOLE	LATITUDE	LONGTITUDE
EXISTING MH 1 (DIGI)	4.757973	100.936975
PROP NEW MH 1 (DIGI)	4.756830	100.936609
PROP NEW MH 2 (DIGI)	4.756568	100.934356
PROP NEW MH 3 (DIGI)	4.755859	100.933690
PROP NEW MH 4 (DIGI)	4.755920	100.934575
EXISTING MH 2 (DIGI)	4.755817	100.934950

Section 3 : - Bill of Quantity

Section 4 : OSP Routing Plan

Section 4 : OSP Routing Plan

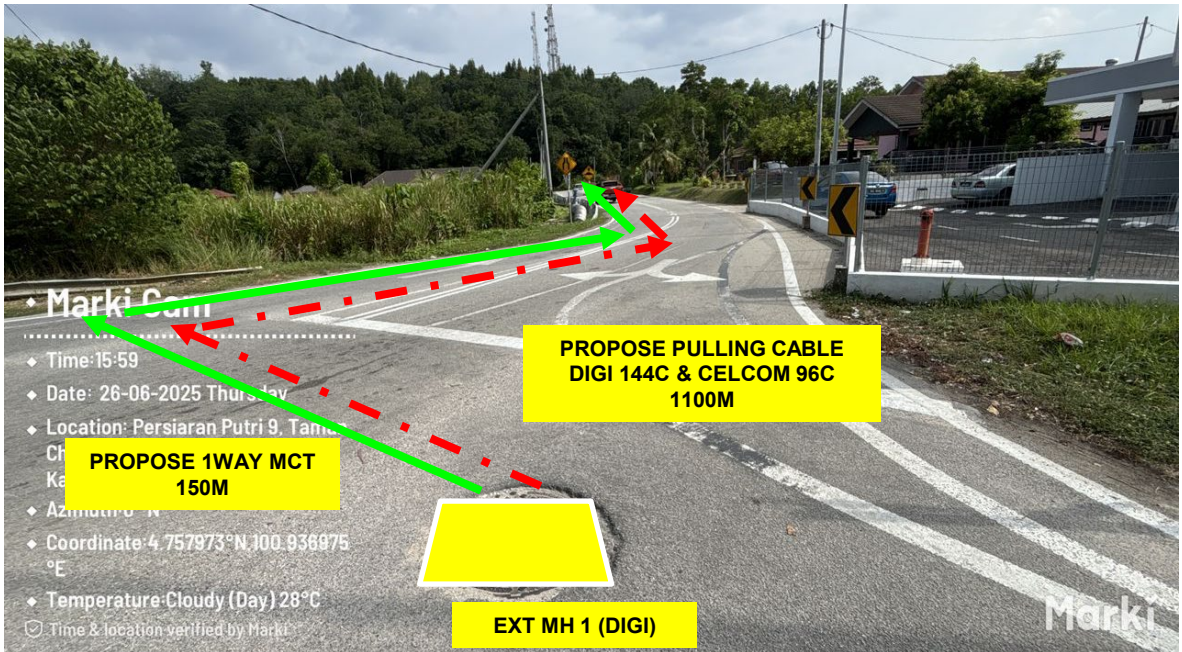


LEGEND :

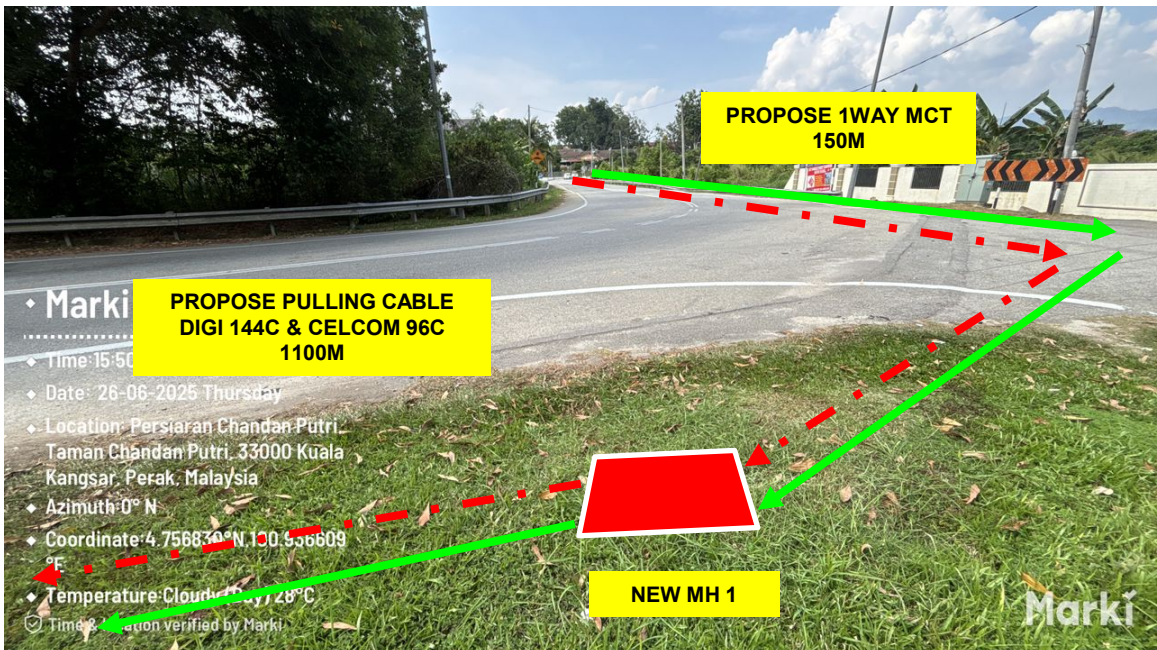
	HDD PIPE		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	DISTANCE		TOWER
	LAMP POLE		POLE
	G.I PIPE		

Section 5 : OSP Snapshot

Section 5: Outside Plant Site Snapshot

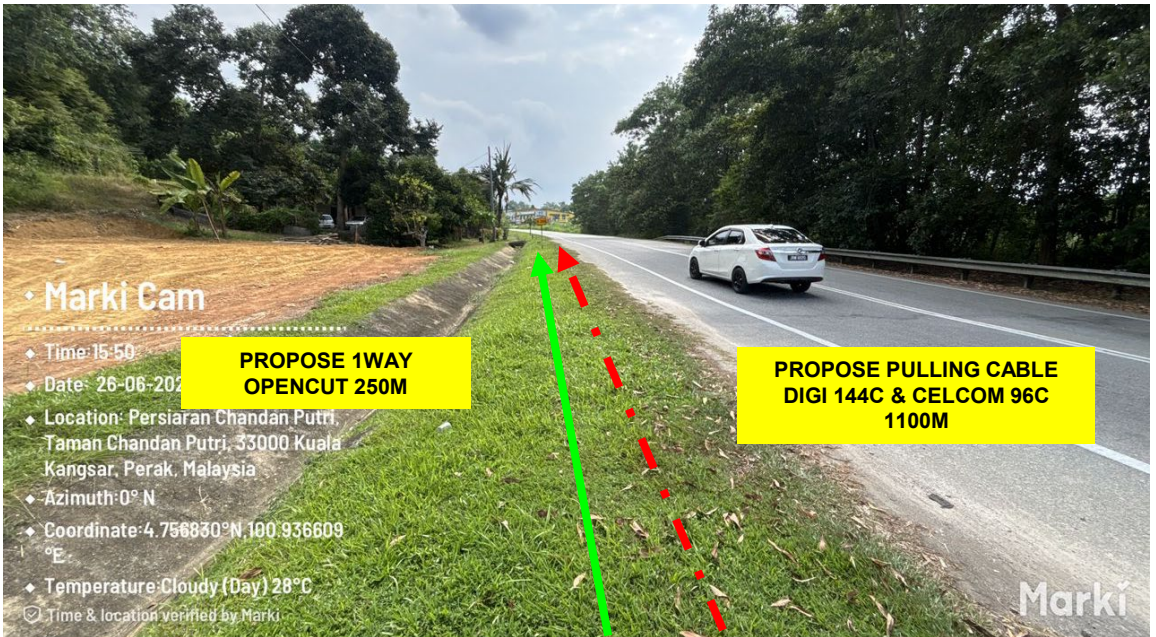


PERSIARAN CHANDAN PUTERI

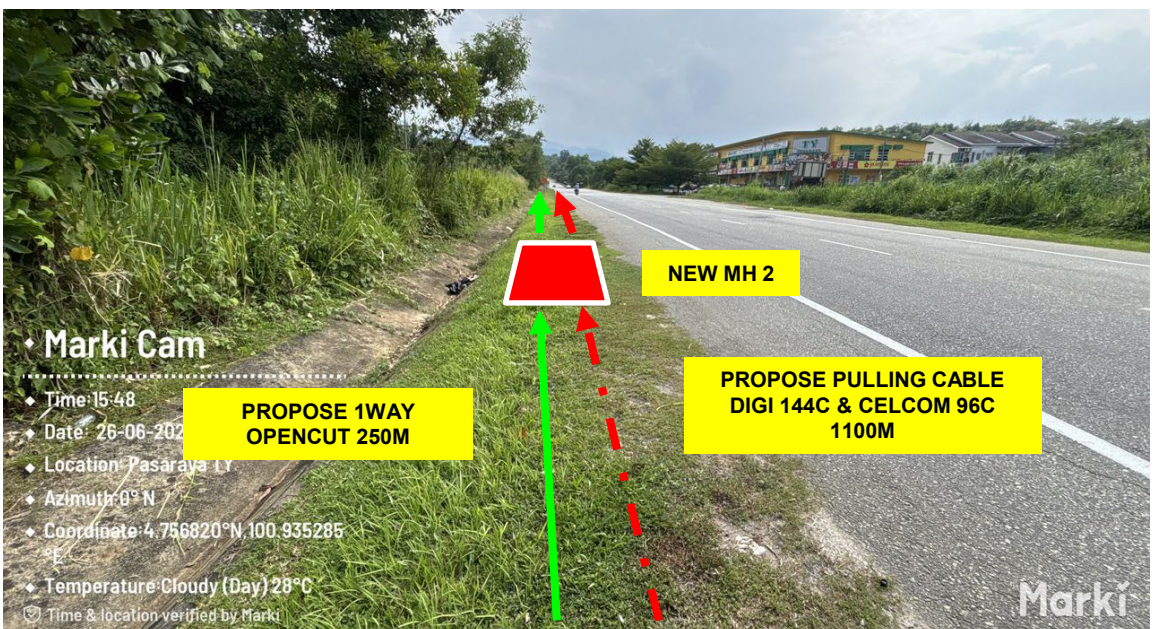


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Section 5: Outside Plant Site Snapshot

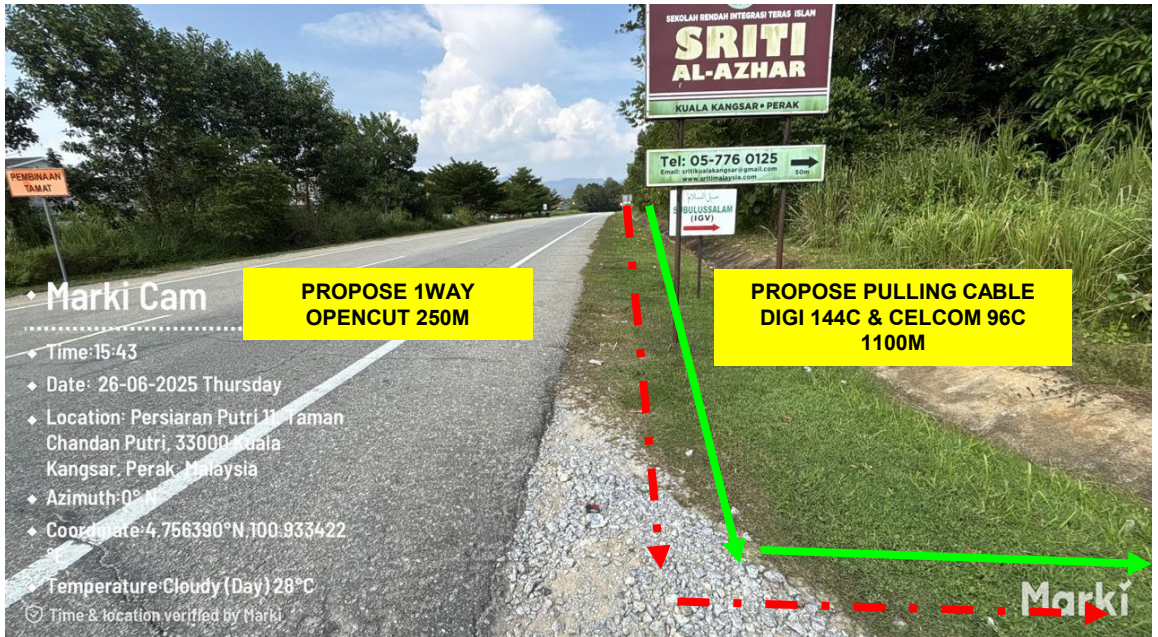


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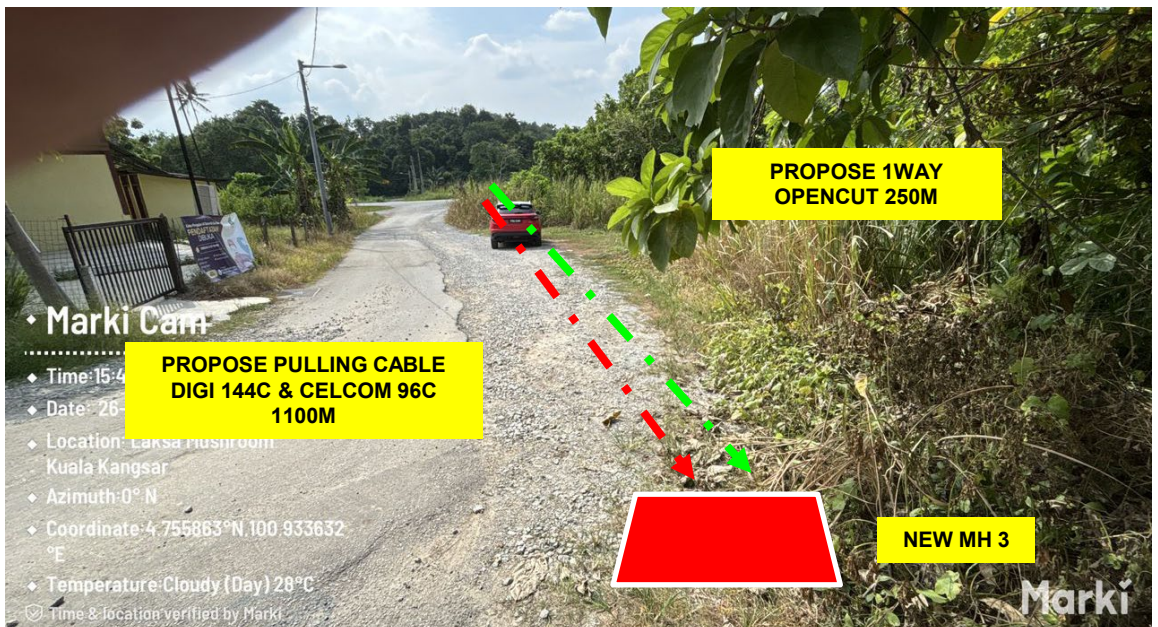


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Section 5: Outside Plant Site Snapshot

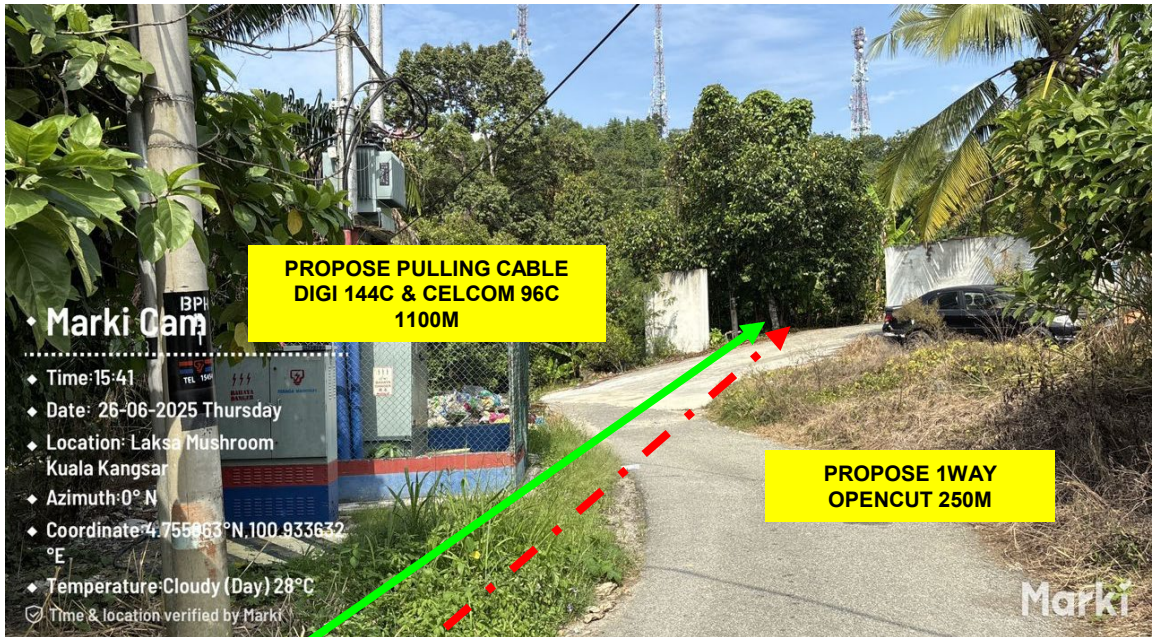


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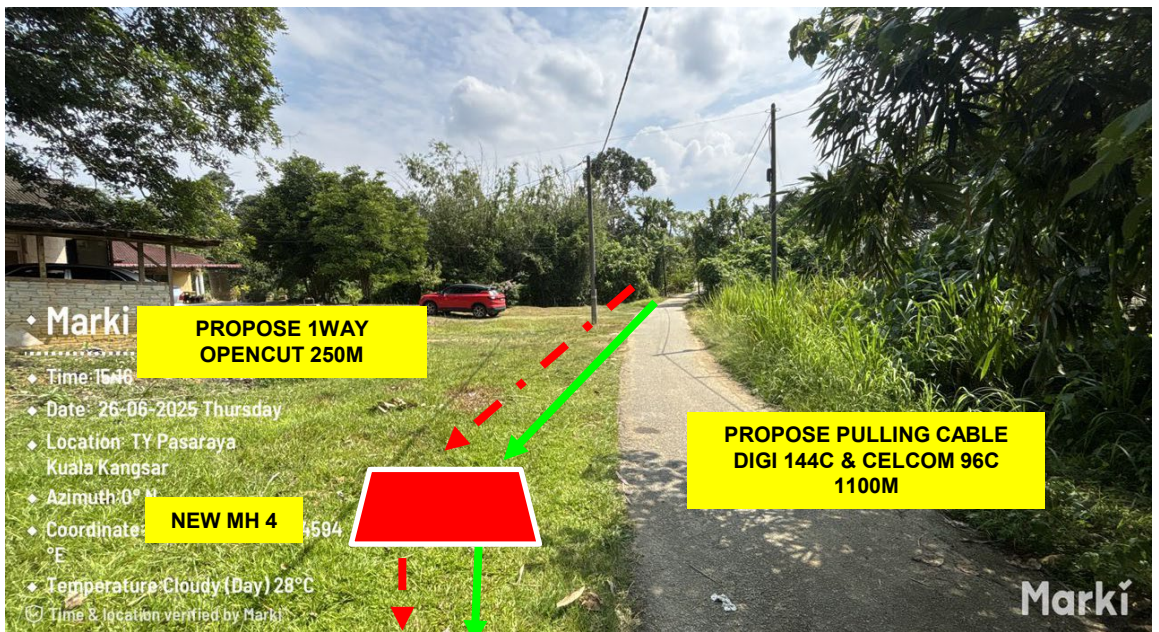


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Section 5: Outside Plant Site Snapshot



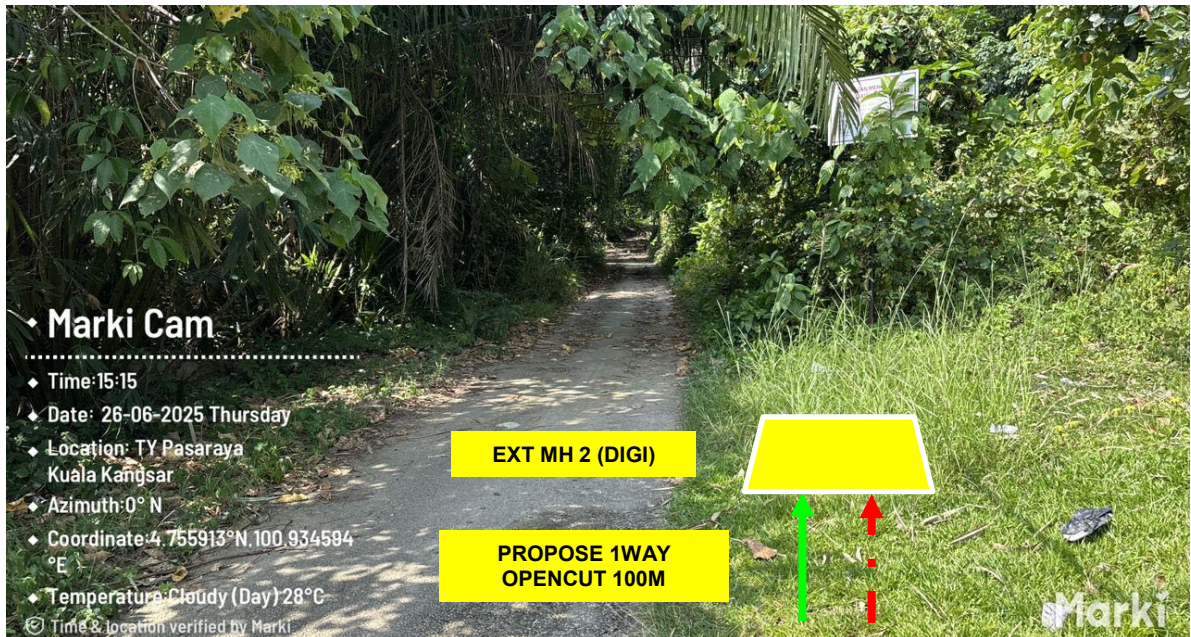
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Section 5: Outside Plant Site Snapshot

PHOTO 5



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Section 6 : Room/Cabin Layout

Location of Rack and ODF



Section 7:3rd Party Listing

Section 8: Work Schedule

Work Schedule

No.	Task name	Weeks							
		1	2	3	4	5	6	7	8
1	CIVIL INFRASTRUCTURE WORKS								
1.1	Mobilization								
1.2	Supply and Install MH c/w Accessories								
1.3	HDD Works								
1.4	Trenching Works								
1.5	Micro Trenching Works								
1.6	Supply and Install 4x32mm Sub-Duct								
1.7	Testing & Commissioning of Civil Infra*								
2	CABLE WORKS								
2.1	Laying of OFC 144C and/or 48C								
2.2	Splicing & Termination								
2.3	Testing & Commissioning*								
3	SITE ACCEPTANCE								
3.1	Handover Document								