

## TECHNICAL PROPOSAL (OSP)



**LOCATION A**

**LAT : 4.435427 , LONG : 100.998882**



**LOCATION B**

**LAT : 4.424878 , LONG : 100.994035**

**EXISTING CIVIL INFRASTRUCTURE ,PROPOSED 1WAY OPENCUT PULLING FIBRE OPTIC CABLING**

**Project Name:** TP EXT IMPLEMENTATION AT IPOH-LUMUT HIGHWAY (AKEDEMI BOMBA TRONOH)

**Region :** NORTHERN

**Site/Link Name :** FL3-0082\_AB\_14-0219\_JT4037\_JUNCTION PAPAN\_JT4038\_BANDAR SRI ISKANDAR

**Site A :** JT4037\_JUNCTION PAPAN

**Site B :** JT4038\_BANDAR SRI ISKANDAR

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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 : JT4037\_JUNCTION PAPAN

Location B : JT4038\_BANDAR SRI ISKANDAR

### Contractor

Name : MUTANIC TECHNOLOGY SDN BHD.

Signature : 

Check & Approved date : 03/09/2024

Submission Date : 03/09/2024

### CelcomDigi Authorized Personel

Verify By

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

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

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

Approved By

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

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

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

## OSP Summary

<b>Overall proposed Civil Infrastructure Design Distance</b>		1040	meter
a.	MICRO Trenching	N/A	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	1040	meter
f.	Other ( LAMP POLE )	N/A	meter
g.	Exist cable ladder (in cabin)	N/A	meter
Pulling new cable 144C		1065	meter
Proposed new closure 144C		2	pcs
No. of proposed Manhole/Joint Box/JRC7		N/A	pc
EXIST M/H		5	pc
Area of milling work required		N/A	meter <sup>2</sup>
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	MH Condition OK
Existing cable/fiber condition	Temporary Cable

**TENAGA Pole Option:**

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

**3<sup>rd</sup> parties Dependencies**

Item	Parties involve and location
LA/LC	KUDR, JKR Perak
LLM / KTM / SBC / etc	N/A
Building Management / Land Lord	N/A
Private Owners	N/A

**Other Highlights/Remark**

TP replace temporary cable to permanent cable
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### Manholes GPS Coordinates

MANHOLES	LATITUDE	LONGTITUDE
EXIST MH 1 (DIGI)	4.435427	100.998882
EXIST MH 2 (DIGI)	4.432195	100.998425
EXIST MH 3 (DIGI)	4.429914	100.997894
EXIST MH 4 (DIGI)	4.42811	100.996649
EXIST MH 5 (DIGI)	4.424878	100.994035

## **Section 3 : - Bill of Quantity**



## **Section 4 : OSP Routing Plan**

## Section 4 : OSP Routing Plan



LEGEND :			
	OPEN CUT (CARRIAGEWAY)		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	HDD		TOWER
	LAMP POLE		PROPOSED POLE
	G.I PIPE		CABLE 144C

## Section 4 : OSP Routing Plan

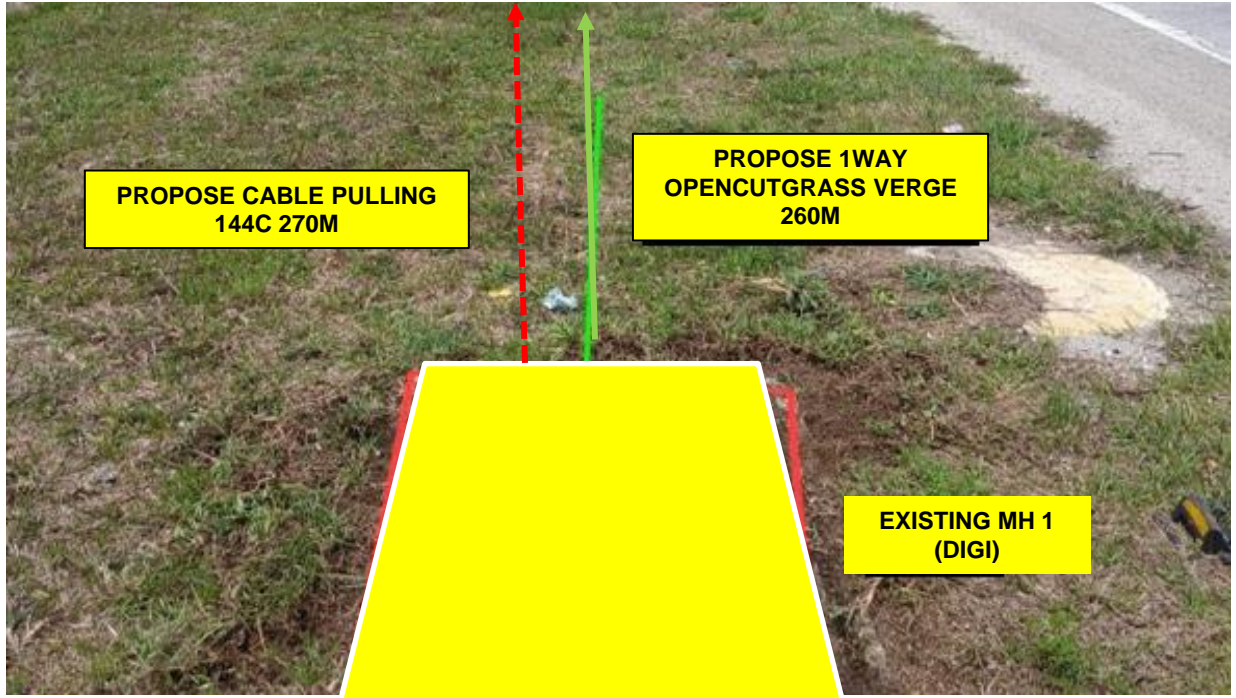


LEGEND :			
	OPEN CUT (CARRIAGEWAY)		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	HDD		TOWER
	LAMP POLE		PROPOSED POLE
	G.I PIPE		

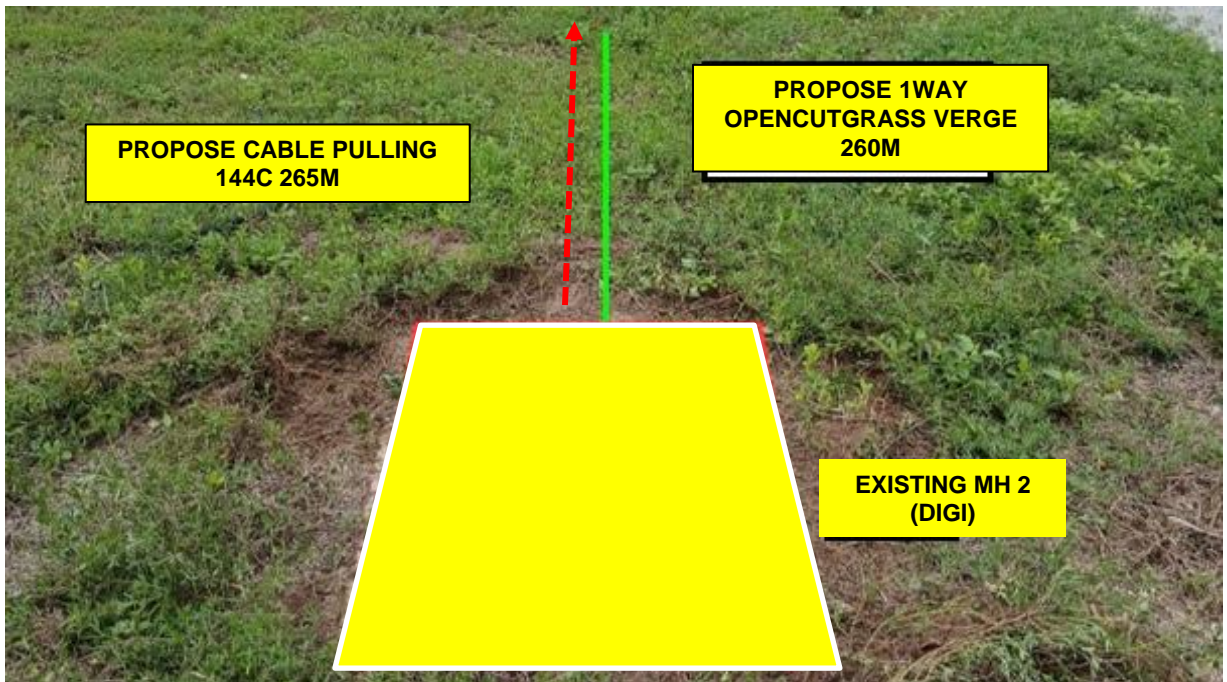


## **Section 5 : OSP Snapshot**

**Section 5: Outside Plant Site Snapshot**

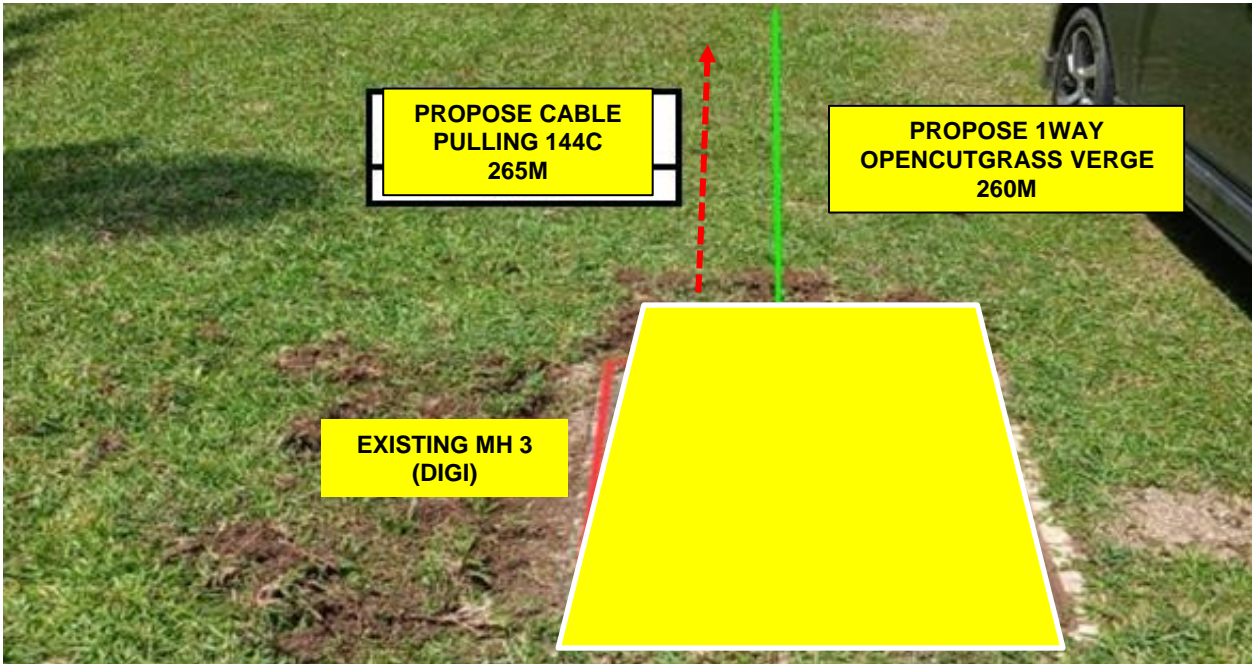


**LOCATION AT IPOH-LUMUT HWY**

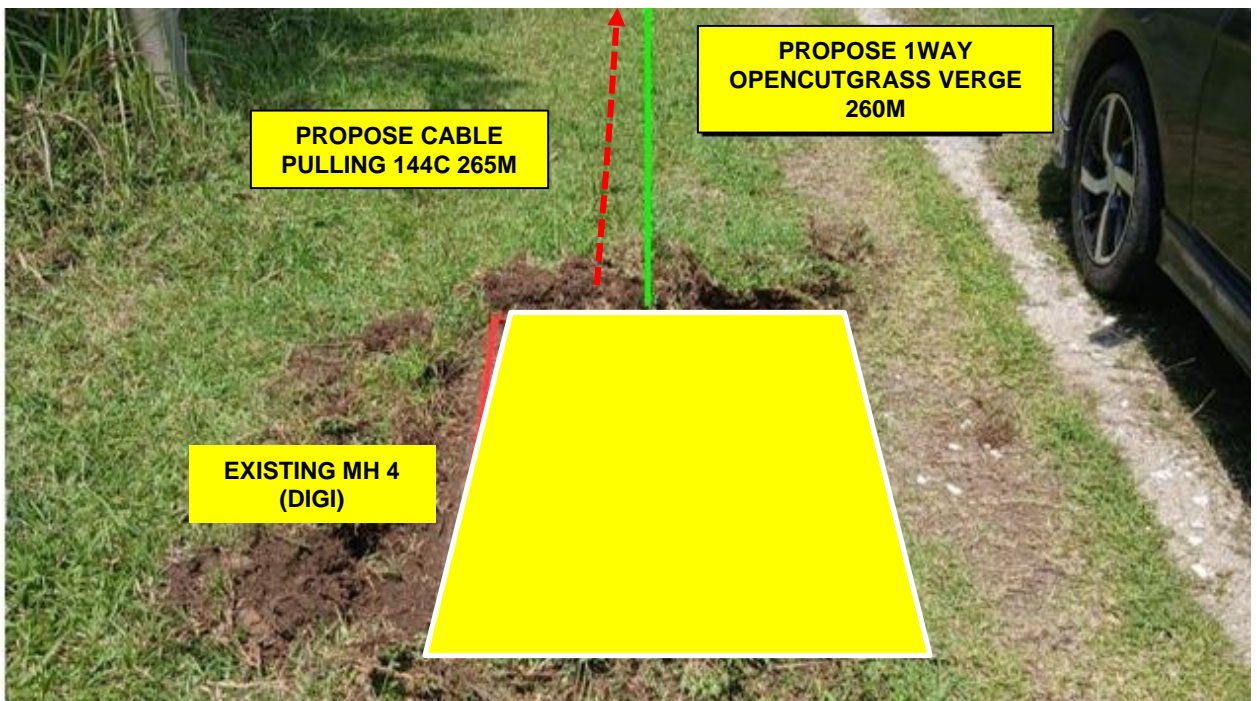


**LOCATION AT IPOH-LUMUT HWY**

**Section 5: Outside Plant Site Snapshot**

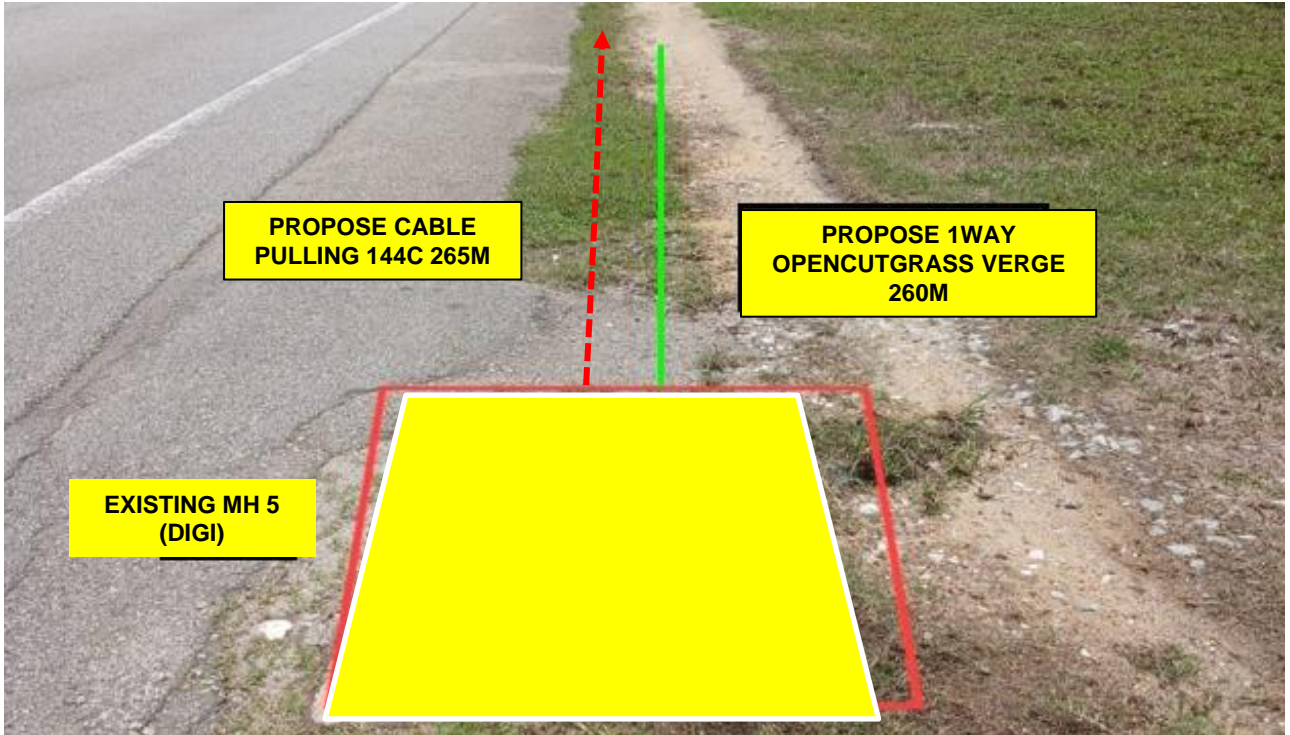


**LOCATION AT IPOH-LUMUT HWY**



**LOCATION AT IPOH-LUMUT HWY**

**Section 5: Outside Plant Site Snapshot**



**LOCATION AT IPOH-LUMUT HWY**

## **Section 6 : Room/Cabin Layout**



## **Location of Rack and ODF**



## **Section 7:3<sup>rd</sup> Party Listing**



## **Section 8: Work Schedule**

## Work Schedule

No.	Task name	Weeks							
		1	2	3	4	5	6	7	8
<b>1</b>	<b>CIVIL INFRASTRUCTURE WORKS</b>								
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*						■		
<b>2</b>	<b>CABLE WORKS</b>								
2.1	Laying of OFC 144C and/or 48C								
2.2	Splicing & Termination								
2.3	Testing & Commissioning*								
<b>3</b>	<b>SITE ACCEPTANCE</b>								
3.1	Handover Document							■	