



TECHNICAL PROPOSAL

**SPUR HDD (210m) FROM IPOH CABIN TO IPOH INDUSTRIAL  
MENGLEMBU**

At

Hala Perusahaan Menglembu 13, Kawasan  
Perindustrian Menglembu, 31450, Perak

4.57928N, 101.04288E TO 4.57983N, 101.04106E

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## TP CHECKLIST

		YES	NO	Remarks
1	TDC existing manhole coordinate	√		
2	Existing premises area manhole coordinate		√	
3	Any Gas pipe signage seen at site? If YES, attach photo.		√	
4	Any TNB cable signage seen at site? If YES, attach photo.		√	
5	Any crossing drainage? If YES, attach photo & width of the drainage.		√	
6	Any INDAH WATER manhole seen at site? If YES, attach photo.		√	
7	Any crossing traffic light? If YES, attach photo & measurement of the traffic light box.		√	
8	Has identified related Local Authority? Kindly indicate.	√		
9	Drawing for outside plant (OSP) survey – Residential area & civil work up to last TIME manhole (.dwg format – autocad & .pdf format) *	√		
10	Prepare the complete 1 copy of Technical Proposal (.pdf format & PowerPoint) – of softcopy – 1 copy	√		
11	Bill of quantity for civil, fibre pulling, splicing & termination.	√		
12	The latitude & longitude of the residential area and last TIME manhole in 6 decimal points (xx.xxxxxx, x.xxxxxx) in TP Location Map.	√		
13	Open up the manhole at any spot of joint/ring cut & provide duct space record for this project (photo required). Please make sure that there is TIME cable in the manhole (photo required). <b>If unable to open up the manhole, photo of manhole surrounding is required.</b>	√		
14	Survey Acknowledgement Form signed & attached.			
15	Others			

## GENERAL INFORMATION

Prepared by: Stellar Engineering Sdn. Bhd.

***Date of LOI: -***

Date of Survey: 15/06/2025

Surveyed by : Haniff / Najmi

Drawing prepared by: Anas Hakimi

Eng. Person in Charge: Syafiq Abdullah

### General Information

Site Name:	<b>SPUR Ipoh Industrial Menglembu</b>
Full Address:	Hala Perusahaan Menglembu 13, Kawasan Perindustrian Menglembu, 31450, Perak

Construction Details			
Description	Method	Unit(s)	Quantity
Civil	HDD	meter	210m
	MCT (GI)	meter	
	MCT (HDPE)	meter	
	OPCW	meter	
	OPCW (MH)	meter	
	OPGV	meter	
	OPGV (MH)	meter	
	Coring Drainage	each	
Fiber Pulling :			
FOC 48C	Drainage	meter	
	Aerial	meter	
Connector 1C	Drainage	meter	
	Aerial	meter	
Others (Please Specify):			
MCT Crossing Road	GI 50mm	Meter	
	HDPE 40mm	Meter	
OPCW	HDPE 40mm	Meter	
OPCW (MH)	GI 100mm	Meter	
OPGV	HDPE 40mm	Meter	
OPGV (MH)	GI 100mm	Meter	
Damage Drainage	GI 50mm	Meter	
Crossing Bridge	GI 50mm	Meter	

**Comment:**

For Contractor Use Only:

Based on our detail survey, evaluation study and due diligent conducted, we strongly proposed the above stated technical details to be implemented at this site.

For Client Use Only:

## **1. PROPOSAL FOR FIXED ACCESS**

### **1. Introduction**

1. TIME dot Com (TTdC) offers a wide variety of fixed-line telecommunications services. As part of its commitment to provide the customers with the best possible solutions to serve all their communications needs; TTdC aim to enhance telecommunication services in this residential area to offer the residents with High Speed Internet, Data and Voice connectivity. This residential area will be enhanced today for tomorrow's communication and IT requirements. With that, TTdC provides choice of Service Providers to the residents and gain a future-proof communication infrastructure.
2. A physical infrastructure link to the residential area is the main access to deliver services to the residents. The typical link required is through fiber optic cable.
3. In order to support the services, TTdC require an access to certain related infrastructure facility in order to provide services to the end user (residents).
4. To be able to deliver these services to the residential area, TTdC will pull its own fiber optic cables from the nearest hub and place its access equipments at certain identified location in the area. In order to reach each of the premises, TTdC will lay the required fiber optic cable and drop close to the residential area.
5. With this setup, we will have TTdC connection right up to each of the resident in this residential area.

### **2. Trenching**

1. The propose trenching route will be implemented in certain identified drainage route situation that are not connected. The purpose is for laying fiber cable along the trenching route to connect from one drainage route to another that is not connected .
2. The permission to trench is under the identified local authority jurisdiction (MBI) and to applied separately if necessary.
3. This proposal based on assumption that there is fiber cable to be connected in the existing TIME manhole.

**3. Cabling and Ducting**

1. TTdC will use the existing duct and existing 48C optical fiber cable from existing TTdC manhole to new concrete poles via proposed new route. TTdC also propose to utilize the new pole in Halaman Meru Impian as a cable route in every residence.
2. In near future, TIME dot Com also like to propose to pull optical fiber cable for GPON services that require optical interface equipment up to customer.

1.3 Location Map



**SPUR FIBER PULLING IPOH INDUSTRIAL MENGLEMBU**

Jalan Lee Ming Hin, 31450 Ipoh, Perak

Location: 4.556890N,101.046660E to  
4.584920N,101.042485E

## 2. APPENDIX A

### 1. Product Portfolio

TIME DOT COM CONNECTIONS FOR COMMERCIAL	
<b>Private Data Network</b>	<p>Our Virtual Private Network (VPN) is designed to deliver you an efficient, secured and reliable service. We provide point-to-point technology that directly connects you to your clients and employees. We ensure complete privacy and security, while at the same time, maximizing your speed and bandwidth;</p> <ul style="list-style-type: none"> <li>⇒ Channelized Leased Circuit</li> <li>⇒ Ethernet Leased Circuit</li> <li>⇒ International Private Leased</li> <li>⇒ Circuit (IPLC)</li> <li>⇒ Metro LAN</li> <li>⇒ International Ethernet Private Leased Circuit (IEPLC)</li> </ul>
<b>Internet</b>	<p>TIME Internet services allow you to connect to the world speedily with high scalability, reliability and security. Choose the best solution that suits your need and TIME will take care of the rest;</p> <ul style="list-style-type: none"> <li>⇒ Channelized Leased Circuit</li> <li>⇒ Ethernet Direct</li> <li>⇒ Business Broadband</li> <li>⇒ Satellite Broadband</li> <li>⇒ Home Broadband</li> </ul>
<b>Voice</b>	<p>We've got a wide range of services from basic phone line with crystal clear voice quality to our account based postpaid Virtual Call service. We also provide local and international toll free services, and even business or individual calling cards. With TIME, it's so easy to stay in touch;</p> <ul style="list-style-type: none"> <li>⇒ Business Voice Line</li> <li>⇒ ISDN PRI</li> <li>⇒ International Toll Free</li> <li>⇒ Toll Free 1300</li> <li>⇒ Toll Free 1800</li> <li>⇒ Audio Conferencing</li> <li>⇒ Home Fixed Line</li> </ul>
<b>Managed Services</b>	<p>TIME Managed Services deliver end-to-end networking solutions. Focus on your productivity while we provide you with support possible to take your business to the next level;</p> <ul style="list-style-type: none"> <li>⇒ IPVPN</li> <li>⇒ SAN Extension</li> </ul>
<b>Wholesale Service</b>	<p>We are able to offer you unmatched capacity and network resiliency. We aim to ensure seamless connectivity and high availability, thus maximizing your operational capabilities;</p> <ul style="list-style-type: none"> <li>⇒ Wholesale bandwidth</li> <li>⇒ Wholesale Voice (Transit Premium, Transit CLR)</li> <li>⇒ Cross Peninsular Cable System (CPCS)</li> </ul>

**2.2. Drawing**

**Site Plan**

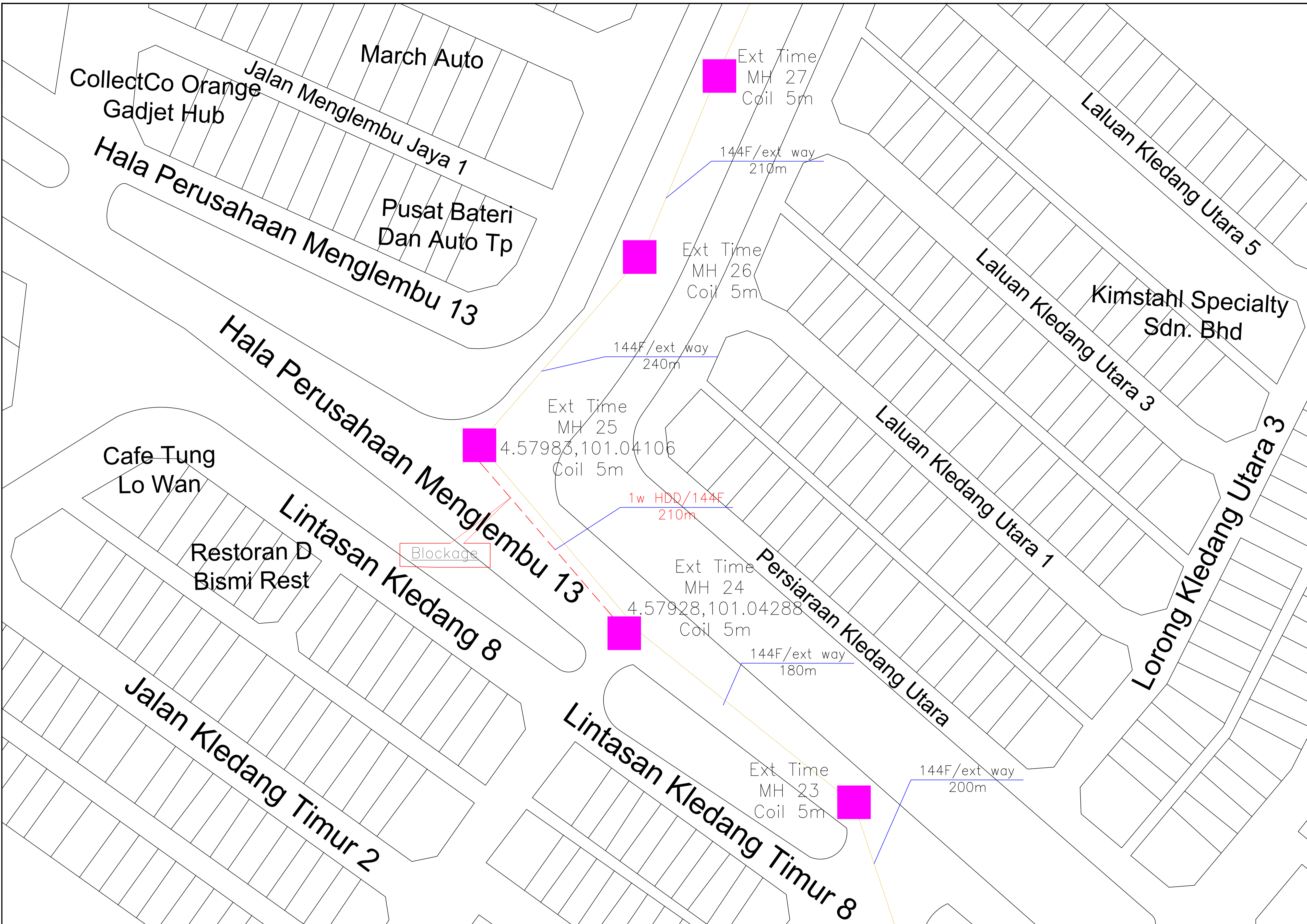
**Refer to next attachment**

Local Authorities:-

CONFIDENTIALITY

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- LEGEND :-**
- OUTSIDE PLANT
  - = EXT TIME MANHOLE
  - = CABLE 144F
  - = 1W HDD



REV. NO.	REV. DATE	REV. BY	DESCRIPTION:

**time™**

TT dotCom Sdn Bhd (52371-A)  
 No 14, Jalan Majistret U1/26,  
 Hicom Glenmarie Industrial Park  
 40150 Shah Alam, Selangor Darul Ehsan, Malaysia.  
 Tel: +60 3 5032 6000  
 Website: www.time.com.my

PROJECT TITLE: PROPOSED FIBER PULLING & HDD(240m) FOR SPUR IPOH TO MENGLEMBU, PREAK
DRAWING TITLE: SITE PLAN DRAWING (TECHNICAL PROPOSAL (TP) FOR LAST MILE LINK AND BUILDING ACES)
DRAWING NO: TTdC/0000/0000
SHEET NO: 1 OF 1

DRAWING SCALE: N.T.S	DRAWING UNITS: METER
PREPARED BY: STELLAR ENGINEERING SDN BHD	INITIAL & DATE: 16-2-2026
DESIGNED BY: STELLAR ENGINEERING SDN BHD	INITIAL & DATE: -
CHECKED BY: -	INITIAL & DATE: -
APPROVED BY: -	INITIAL & DATE: -




Single Line Drawing (SLD)

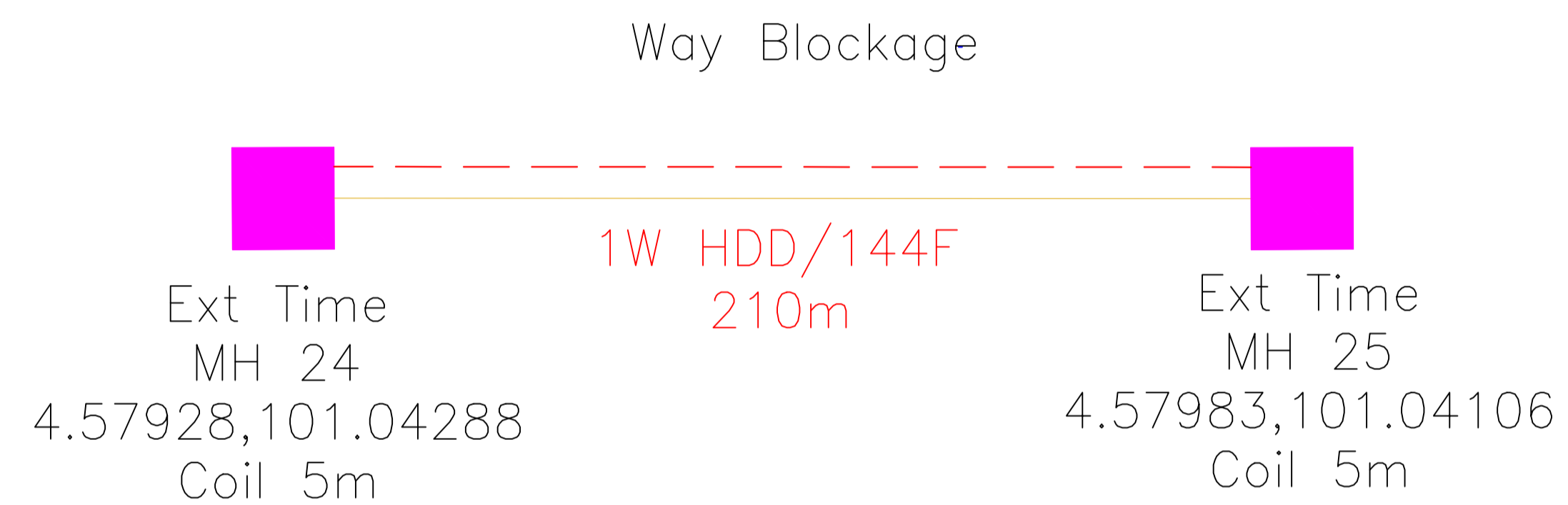
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Hicom Glenmarie Industrial Park  
40150 Shah Alam, Selangor Darul Ehsan, Malaysia.  
Tel: +60 3 5032 6000  
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PROJECT TITLE: PROPOSED FIBER PULLING & HDD(240m) FOR SPUR IPOH TO MENGLEMBU, PRAK	
DRAWING TITLE: STRAIGHT LINE DRAWING (TECHNICAL PROPOSAL (TP) FOR LAST MILE LINK AND BUILDING ACCESS)	
DRAWING NO: TTdC/0000/0000	SHEET NO: 1 OF 1

DRAWING SCALE: N.T.S	DRAWING UNITS: METER
PREPARED BY: STELLAR ENGINEERING SDN BHD	INITIAL & DATE: 16-2-2026
DESIGNED BY: STELLAR ENGINEERING SDN BHD	INITIAL & DATE: -
CHECKED BY: -	INITIAL & DATE: -
APPROVED BY: -	INITIAL & DATE: -

3. APPENDIX B

1. Site Photo

