

**TIME™**



**TECHNICAL PROPOSAL FOR  
REPAIR WORK  
AT  
MSU KUALA TERENGGANU  
Jalan Sultan Omar,  
20200 Kuala Terengganu,  
Terengganu Darul Iman.**



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## TP CHECKLIST

NO	ITEMS	YES	NO	Remarks
1	TDC existing manhole coordinate	√		
2	Existing building 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 Local Authority? Kindly indicate.	√		KUTT
9	Drawing for outside plant (OSP) survey - Building Access & civil work up to last TIME manhole (.dwg format - autocad & .pdf format) *	√		
10	Drawing for inside plant (ISP) survey - MDF up to riser (.dwg format - AutoCAD & .pdf format) *	√		
11	Prepare the complete 1 copy of Technical Proposal (.pdf format & Editable Format) –of softcopy – 1 copy	√		
12	Bill of Quantity for civil, fibre pulling, splicing & termination	√		
13	The latitude & longitude of the building location, last TIME manhole and building manhole in 6 decimal points (xx.xxxxxx, x.xxxxxx) in TP Location Map.	√		
14	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). If unable to open up the manhole, photo of manhole surrounding is required.	√		
15	Survey Acknowledgement Form signed & attached.	√		
16	Others			



## **GENERAL INFORMATION**

### **General Information**

Building Name : MSU, Kuala Terengganu  
Full Address: Jalan Sultan Omar, 20200 Kuala Terengganu,  
Terengganu Darul Iman.  
Type of Development: Customer (Single Tenant/Multi Tenant)  
No of Unit:  
No of Storey per Block: N/A  
No of Blocks per Dev : N/A

### **Contact Person**

#### **Management**

Name: - H/P  
Designation: - Tel  
Email Address:

#### **Maintenance / Security Department**

Name: - H/P Tel -  
Designation: -  
Email Address: -

### **Comments**

#### **For TimeDotComBhd Use Only**

Remarks

Prepared by : Twin Hi-Technologies Sdn. Bhd.  
Date of LOI :  
Date of Survey : 03/03/2025  
Surveyed by : Muhammad Amirul Naim  
Drawing Prepared by : Muhammad Amirul Naim  
Eng. Person In charge :



## **Technical Information MDF/SDF**

### **Room Description**

Number of MDF/SDF Room : -  
Location of Equipment Room : -  
Number of E – Side : -  
Number of Pairs Terminated : -  
Number of Splitter Installed : N/A  
Location of Splitter : N/A  
Number of D-Side : N/A  
Number of Active Pairs : N/A  
Fiber of Termination Box Type : -  
Power : Yes  
Method of Access to Building : New Infra  
Method of Exit to Riser : Existing

Latitude : 5.324401°  
Longitude : 103.141236°

### Construction Details:

No	Descriptions	Method	Distance(m)
1	Civil	1Way HDD	180
2	Fiber Pulling	96F	1600

### **Comment :**

For Contractor Use Only :

For Client Use Only :



## PROPOSAL FOR FIXED ACCESS

### 1.1 Introduction

1.1.1 TIME dot Com offers a wide variety of fixed-line telecommunications services. As part of our commitment to provide our customers with the best possible solutions to serve all their communications needs; we aim to enhance telecommunication services in your building to offer your tenants with High Speed Internet, Data and Voice connectivity. Your premises will be enhanced today for tomorrow's communication and IT requirements. With that, we provide a choice of Service Providers to your tenants and your building gains a future-proof communication infrastructure.

1.1.2 A physical infrastructure link to the building is the main access to deliver services to the tenants. The typical link required is through fiber optic cable.

1.1.3 In order to support the services, TIME dot Com (TdC) require an access to the building MDF rooms in order to provide services to the end user.

1.1.4 To be able to deliver these services to your building, we will pull our own fiber optic cables from our nearest hub and place our access equipments into building MDF rooms and telephone riser closet.

In order to reach tenants at each floor of the buildings, we will utilize existing D-side internal cabling of building MDF room via telephone riser room before it branches out to each floor/lot of the building.

1.1.5 With this setup we will have TdC connection right up to each floor of the building.

### 1.2 External and Internal Trenching

1. The propose route will start from the existing TDC manhole to Serve /MDF/SDF
2. This proposal is based on assumption that there is fiber cable to be connected in the existing manhole.



### 1.3 Riser & Cables

- 1.3.1 TDC will pull new 1 X 96C optical fiber cable from Server Room to the existing TDC manhole via existing duct route and MH and new propose duct route and manhole. TdC also propose to utilize existing building cable tray and cable riser floor/lot of the building if necessary.

### 1.4 Equipment Foot Space & Weight

- 1.4.1 Below is the TdC's standard requirement that will be installed in Server room.

Description	Remarks
-	-

- 1.4.2 However depending on the network requirement, TdC may or may not add additional network equipment(s) in the SDF/MDF room or the vertical riser as it may apply.

**1.5 Location Map**



**MSU Kuala Terengganu  
Jalan Sultan Omar,  
20200 Kuala Terengganu,  
Terengganu Darul Iman.**

**Latitude : 5.324401°  
Longitude : 103.141236°**



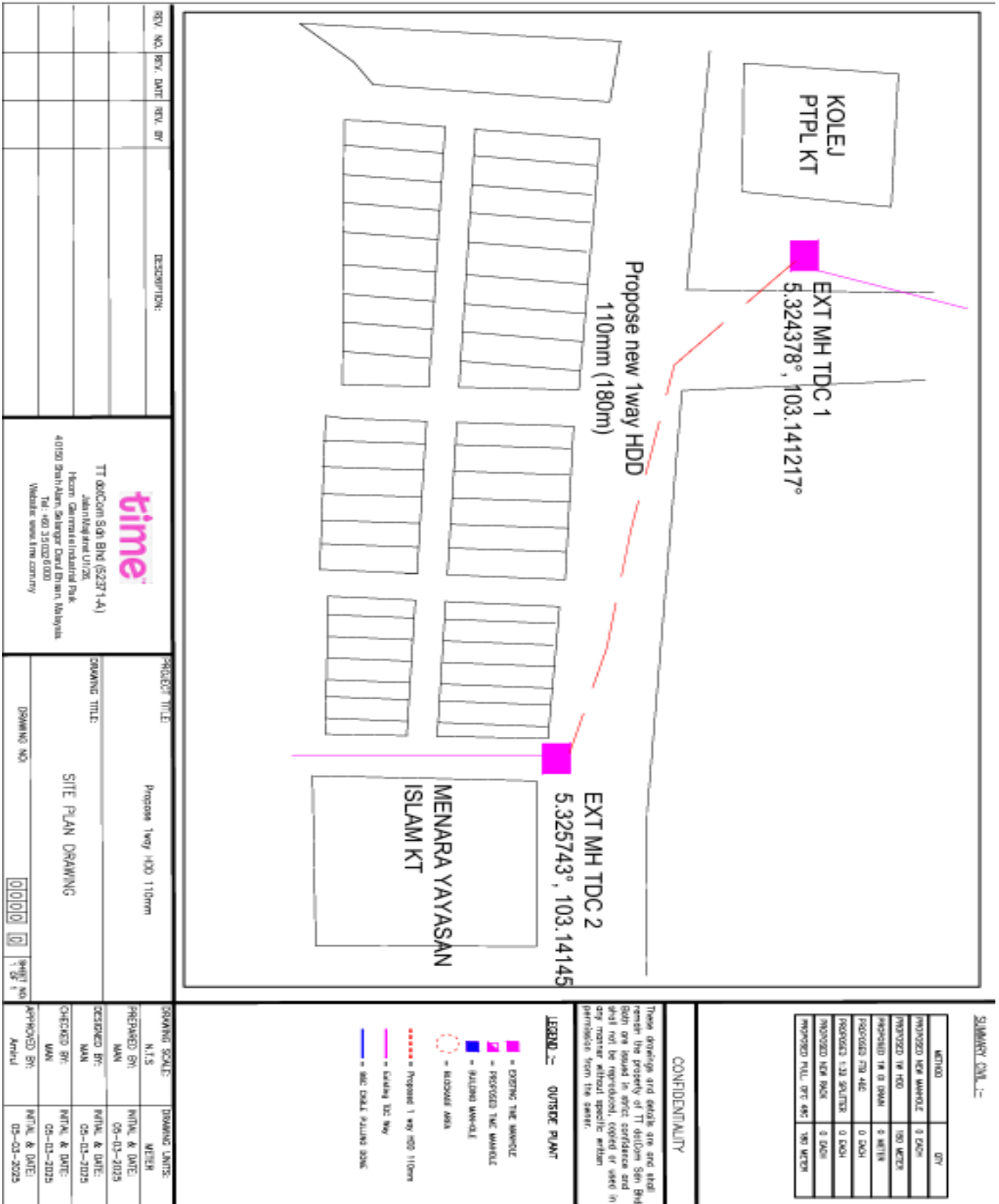
## 2. APPENDIX A

### 2.1 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 Direct</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



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

TT dtdcom Sdn Bhd (52371-A)  
 JalinanKlang U1/2A  
 Heong Chai Industrial Park  
 40150 Shah Alam, Selangor Darul Ehsan, Malaysia  
 Tel: +60 310206100  
 Website: www.time.com.my

PROJECT TITLE	DRAWING TITLE	DRAWING NO.	SHEET NO.
Propose 1 way HDD 110mm	SITE PLAN DRAWING	00000	1 of 1

DRAWING SCALES	
N.T.S	DRAWING UNITS
METER	METER
PREPARED BY:	DATE:
MAN	09-03-2025
DESIGNED BY:	DATE:
MAN	09-03-2025
CHECKED BY:	DATE:
MAN	09-03-2025
APPROVED BY:	DATE:
Amrul	09-03-2025

**LEGEND - OUTSIDE PLANT**  
 ■ = EXISTING THE MANHOLE  
 ■ = PROPOSED THE MANHOLE  
 ■ = EXISTING MANHOLE  
 ■ = PROPOSED MANHOLE  
 --- = PROPOSED 1 way HDD 110mm  
 --- = Existing TDC Way  
 --- = SEC. DRAIN (YELLOW ZONE)

**CONFIDENTIALITY**  
 These drawings and details are and shall remain the property of TT dtdcom Sdn Bhd. Both are bound in strict confidence and shall not be reproduced, copied or used in any manner without specific written permission from the sender.

METHOD	QTY
PROPOSED NEW MANHOLE 0 DIA=	0 DIA=
PROPOSED 110 MM	150 METERS
PROPOSED 110 DIA (10MM)	0 METERS
PROPOSED 750 DIA	0 DIA=
PROPOSED 1.23 SQUARE	0 DIA=
PROPOSED NEW RIGID	0 DIA=
PROPOSED RIGID PVC 450	150 METERS

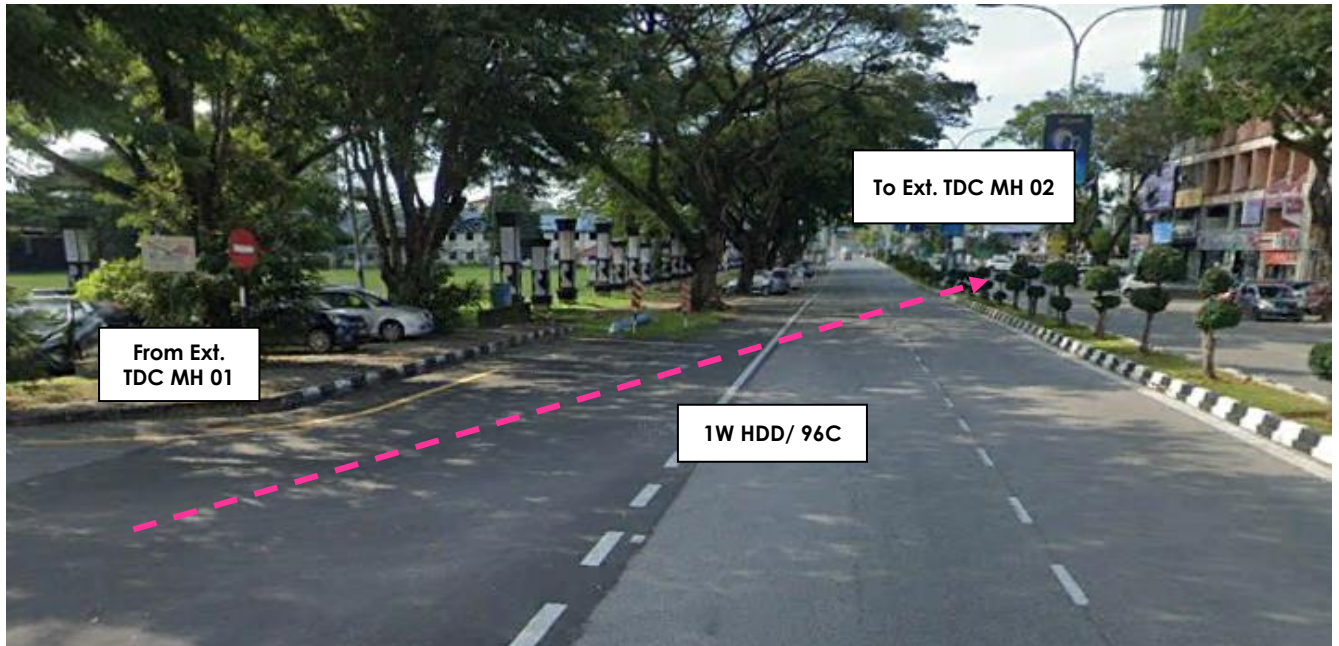


## 2.3 Drawing Schematic

## 3. APPENDIX 3.1 PHOTO



Propose route along Jalan Sultan Omar – HDD Method



Propose route along Jalan Sultan Omar – HDD Method



**Propose route along Jalan Sultan Omar – HDD Method**

**EXISTING MANHOLES PHOTOS (WITH GPS COORDINATE)**



Existing TDC Manhole (MH 02 )



Existing TDC Manhole (MH 01 )