



TECHNICAL PROPOSAL FOR FIXED NETWORK ACCESS

at

MDU Mayang Mall & PANGSAPURI LADANG TANJUNG
Jalan Sultan Zainal Abidin,
20000 Kuala Terengganu, Terengganu

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1.0 TP CHECKLIST

Building Name : Mayang Mall				
Date of LOI :				
Date of Survey : 30/04/2024				
	DESCRIPTION	YES	NO	REMARKS
1	TDC existing manhole coordinate	✓		5.334102°, 103.147004°
2	Existing building manhole coordinate	✓		5.336369°, 103.144130°
3	Any Gas pipe signage seen at site? If YES, attach Photo		✓	
4	Any TNB 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.	✓		Koridor Utiliti Teknologi Terengganu
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 & Word 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 Acknowledgment Form signed & attached		✓	
16	Others			

2.0 GENERAL INFORMATION

General Information

Building Name : Mayang Mall & Pangsapuri Ladang Tanjung
Address: Jalan Sultan Zainal Abidin,
20000 Kuala Terengganu, Terengganu
Type of Development: Apartment
No of Unit: 314
No of Storey/Block:

Contact Person

Management

Name: Habib / Razali H/P 019-6045854 /
012-3240825

Designation: Tel

Email Address:

Maintenance / Security Department

Name: NA H/P NA

Designation: NA Tel

Email Address: -

Comments

For TimeDotCom Bhd Use Only

Remarks :

Prepared by: Twin Hi-Technologies Sdn Bhd

Date of LOI:

Date of Survey: 30/04/2024

Surveyed by: Twin Hi-Technologies Sdn Bhd

Drawing Prepared by: Twin Hi-Technologies Sdn Bhd

Eng. Person In charge: Muhammad Quthaibah

Telecommunication Information

MDF/SDF Room Description

Number of MDF/SDF Room: 1
 Location of Equipment Room: SDF Room @ Ground Floor
 Number of Fiber Cores Terminated: 48 Cores
 Number of Splitter Installed: 10
 Location of Splitter: SDF Room
 Fiber of Termination Type: FTB 48C (Rack Mount)
 Power: Yes
 Method of Access to Building: Existing route
 Method of Exit to Riser: N/A
 Longitude: 5.336779°
 Latitude: 103.144020°

Construction Detail

No	Description	Method	Distance (m)
1	Civil	1 Way HDD	570m
		2 Way MT	
		1 Way OPCW	
		1 Way OPGV	
	Others		
	1w GI 100mm (drain crossing)		
2	Fiber Pulling *(from MDF Room to Time last manhole)		+700m

Comment:

For Contractor Use Only:

For Client Use Only :

3.0 PROPOSAL FOR FIXED NETWORK ACCESS

3.1 Introduction

- 3.1.1 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.
- 3.1.2 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.
- 3.1.3 In order to support the services, TIME dot Com require an access to the propose MDF room and Server room in order to provide services to the end user.
- 3.1.4 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 passive access equipment into building server room. (Optional in this proposal)
- 3.1.5 With this setup we will have TIME dot Com connection right up to each block of the building.

3.2 External and Internal Trenching

- 3.2.1 The propose route will start from the existing TdC Mh to Building Mh using new ducting. The propose route then continue to MDF Room/SDF Room/Server Room using existing route.
- 3.2.2 TdC will utilize minimum of 1x100mm existing building access ducting to building retaining wall and existing cable tray to common Server room.
- 3.2.3 The permission to trench inside local authority jurisdiction to be applied separately if necessary.
- 3.2.4 This proposal is based on assumption that there is fiber cable to be connected in the existing TIME manhole.

3.3 Equipment Foot Space & Weight

- 3.3.1 Below is the TIME dot com' standard requirement that will be installed at common MDF Room/SDF Room/Server Room.

Description	Remarks
2x OpenRack 1x FTP 48C (Rack Mount) 10x Splitter 1:32 (Rack Mount)	SDF Room @ Ground Floor

- 1.3.2 However depending on the network requirement, Time dot Com may or may not add additional network equipment(s) in the MDF room or the vertical riser as it may apply.

3.4 Location Map



MDU Mayang Mall
Jalan Haji Mat Taukey,
Kampung Surau Pasir,
20000 Kuala Terengganu,
Terengganu

(5.336960°, 103.143631°)



Pangsapuri Ladang Tanjung
Jalan Sultan Zainal Abidin,
Kampung Ladang Kapur,
20000 Kuala Terengganu,
Terengganu

(5.334275°, 103.147631°)

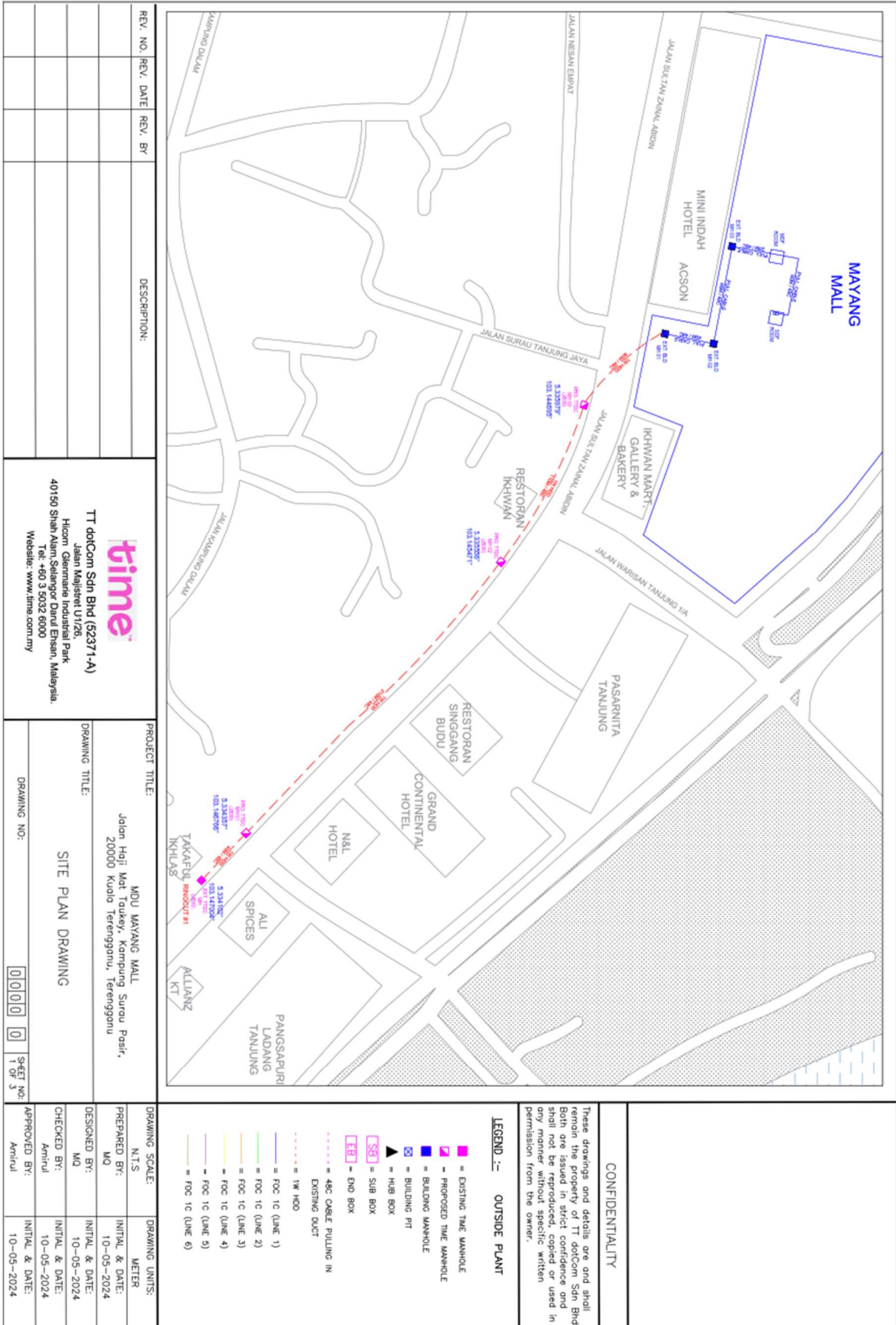
4.0 APPENDIX

4.1 Product Portfolio

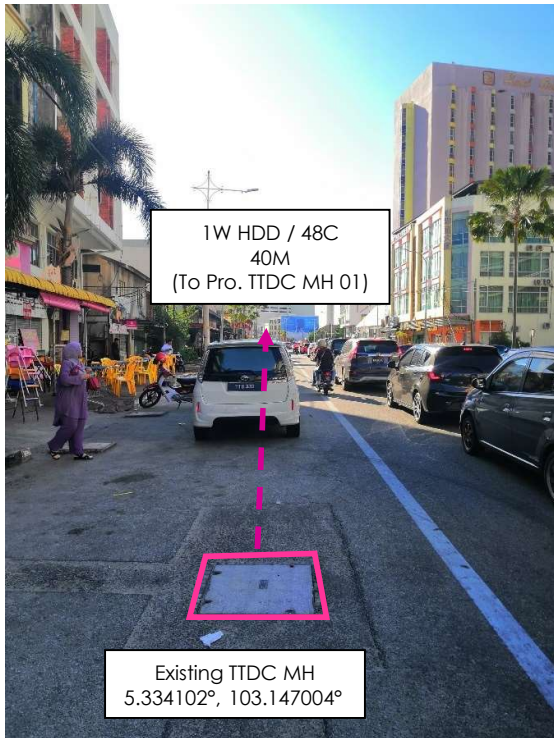
TIME DOT COM CONNECTIONS FOR COMMERCIAL	
Private Data Network	<p>Our Virtual Private Network (VPN) is designed to deliver you an efficient, secured and reliable service. We provide point-to-point technology that directly connects you to your clients and employees. We ensure complete privacy and security, while at the same time, maximizing your speed and bandwidth;</p> <ul style="list-style-type: none"> ⇒ Channelized Leased Circuit ⇒ Ethernet Leased Circuit ⇒ International Private Leased ⇒ Circuit (IPLC) ⇒ Metro LAN ⇒ International Ethernet Private Leased Circuit (IEPLC)
Internet	<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"> ⇒ Channelized Direct ⇒ Ethernet Direct ⇒ Business Broadband ⇒ Satellite Broadband ⇒ Home Broadband
Voice	<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"> ⇒ Business Voice Line ⇒ ISDN PRI ⇒ International Toll Free ⇒ Toll Free 1300 ⇒ Toll Free 1800 ⇒ Audio Conferencing ⇒ Home Fixed Line
Managed Services	<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"> ⇒ IPVPN ⇒ SAN Extension
Wholesale Service	<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"> ⇒ Wholesale bandwidth ⇒ Wholesale Voice (Transit Premium, Transit CLR) ⇒ Cross Peninsular Cable System (CPCS)

4.2 Drawing

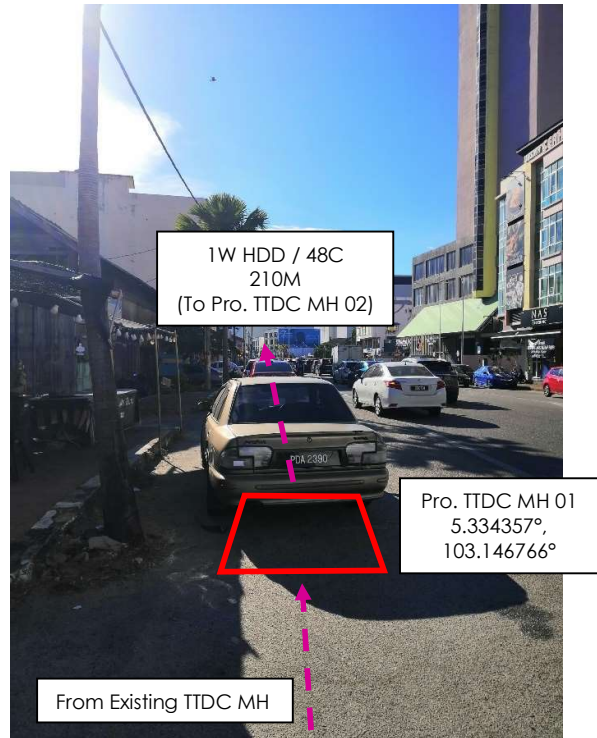
4.2.1 Drawing – Site Plan



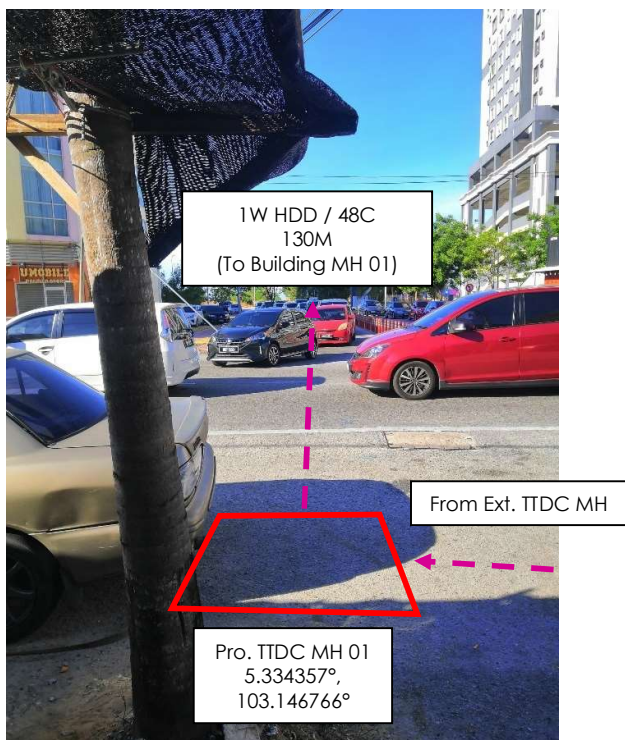
4.3 Site Photos



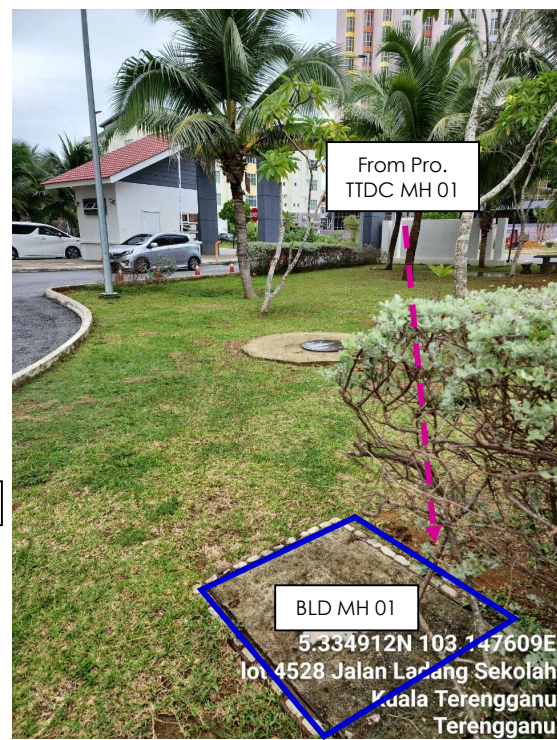
Propose Route at Jalan Sultan Zainal Abidin
HDD Method



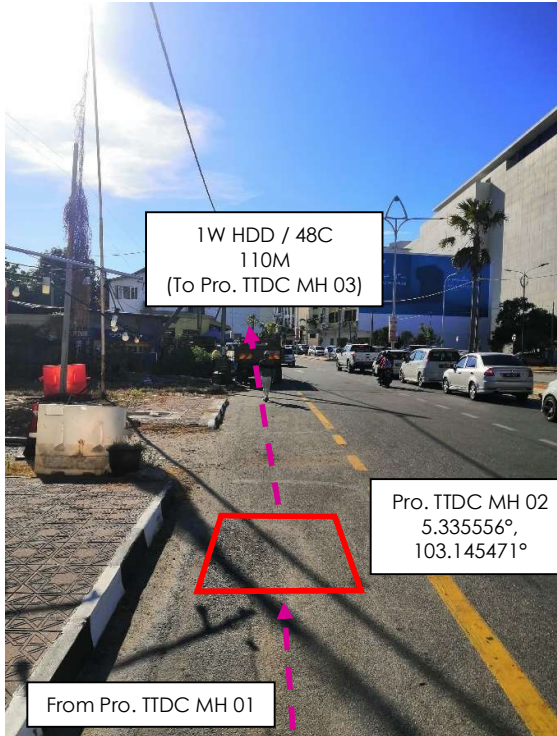
Propose Route at Jalan Sultan Zainal Abidin
HDD Method



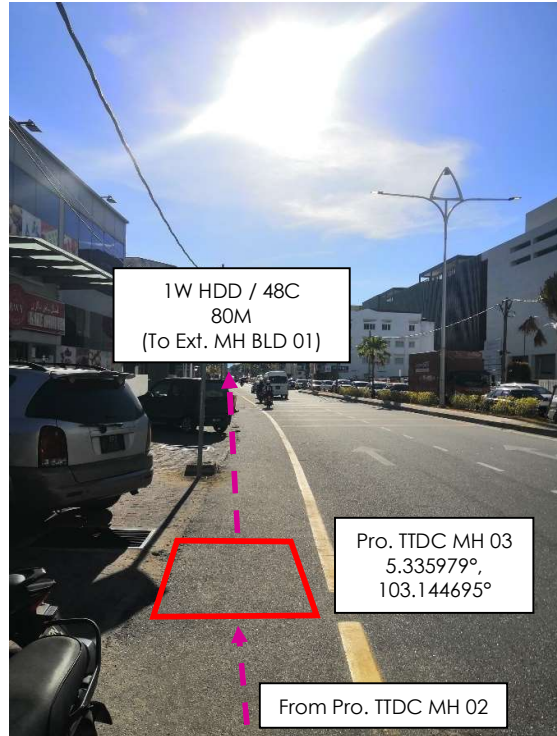
Propose Route at Jalan Sultan Zainal Abidin
HDD Method



Propose Route in Pangsapuri Ladang Tanjung Compound
Pulling Cable



Propose Route at Jalan Sultan Zainal Abidin
HDD Method

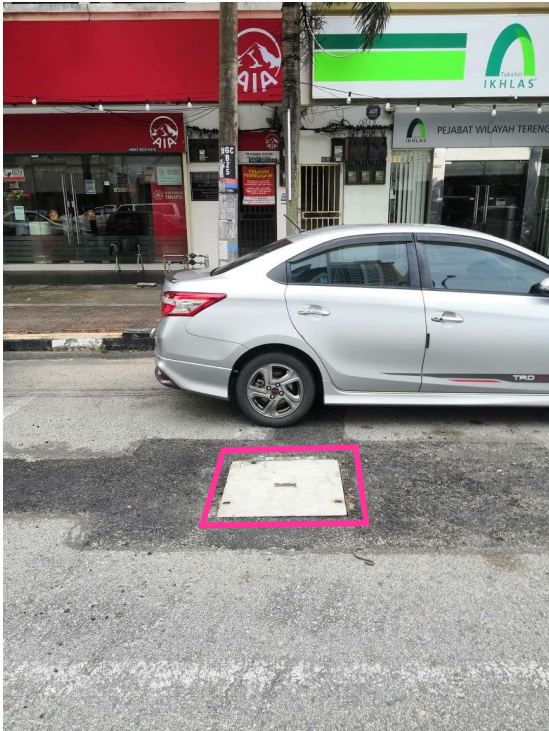


Propose Route at Jalan Sultan Zainal Abidin
HDD Method



Propose Route in Mayang Mall compound
Pulling Cable

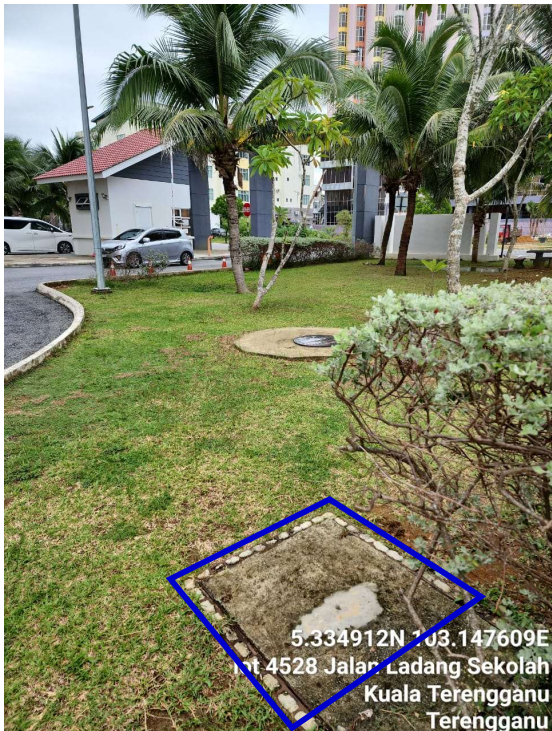
4.3.1 Tdc Existing Manhole and Building Existing Manhole



Ext. TTDC MH at Jalan Sultan Zainal Abidin
(5.334102°, 103.147004°)



Ext. BLD MH 01 at Mayang Mall Compound
(5.336369°, 103.144130°)



SURVEY ACKNOWLEDGEMENT FORM

Building / Customer Name:
Site Address:

It is hereby to confirm that the contactor,
Has visited the above site and has done the survey accordingly.

Thank you.

Surveyed by;

.....
Name :
Surveyor

Confirmed by;

.....
Name :
Building Manager/Reps.
Chop: