

TECHNICAL PROPOSAL

e TP Number : TP250828047
Project Name : Proposed to upgrade from overhead to underground infrastructure for CPCS Link (Trong - Kuala Kurau)
Area 1
Location : Trong – Kuala Kurau
GPS Coordinate : 4.697150° 100.695266°
Contractor : Purnama Solution Sdn Bhd
Survey Date : 03/09/2025



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1.0 TP CHECKLIST

No	Description	YES	NO	Remarks
1	TDC existing POLE coordinate	✓		Lat: 4.710168° Long: 100.717950°
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.	✓		JKR (LARUT, MATANG AND SELAMA)
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 & Power point) –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). If unable to open up the manhole, photo of manhole surrounding is required.		✓	Manhole in the side of the road
14	Survey Acknowledgement Form signed & attached.	✓		
15	Others		✓	



2.0 GENERAL INFORMATION

Prepared by : Purnama Solutions (M) Sdn Bhd

Date of LOI :

Date of Survey : 04/09/2025

Surveyed by : Purnama Solutions (M) Sdn Bhd

Drawing Prepared by: Purnama Solutions (M) Sdn Bhd

Eng. Person In charge :

General Information

Site Name : Link TRONA - KKURA

Full Address : Trong - Kuala Kurau

Type of Development : SPUR

No of Unit : NA

No of unit per row/block : NA

No of row/block per Dev : NA

Contact Person

Management/Dev

Comittee

Name: NA H/P NA

Designation: Tel

Email Address: NA

Maintenance / Security

Department

Name: Designation: Email NA H/P Tel NA

Address: NA

-

Comments

For TimeDotComBhd Use Only

Remarks



3.0 CONSTRUCTION DETAILS

No.	Description	Method	Distance (m) / units
1.	Total Civil	HDD 1W	3300m
		OC 1W	20m
2.	Total Fiber Pulling 144C	UG	Approx 3417m
3.	Others	JRC7	17 units
		GI 1W	12m

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 :



4.0 PROPOSAL FOR FIXED NETWORK ACCESS

4.1 Introduction

- 4.1.1 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 provide a choice of Service Providers to the residents and gain a future-proof communication infrastructure.
- 4.1.2 A physical infrastructure link to this residential area is the main access to deliver services to the residents. The typical link required is through fiber optic cable.
- 4.1.3 In order to support the services, TTdC require an access to certain related infrastructure facility in order to provide services to the end user (resident).
- 4.1.4 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 equipment's at certain identified location in the area. In order to reach each of the resident premises (houses), TTdC will lay the required fiber optic cable and drop close to the premises.
- 4.1.5 With this setup we will have TTdC connection right up to each of the resident premises/houses in this residential area.

4.2 Trenching

- 4.2.1 The propose trenching route will be implemented in certain identified route situation that are not connected. The purpose is for laying fiber cable along the trenching route to upgrade overhead to underground civil infrastructure for CPCS link Trong-Kuala Kurau.
- 4.2.2 The permission to trench is under the identified local authority jurisdiction and to be applied separately if necessary.
- 4.2.3 This proposal is based on assumption that there is fiber cable to be connected in the existing TIME manhole.

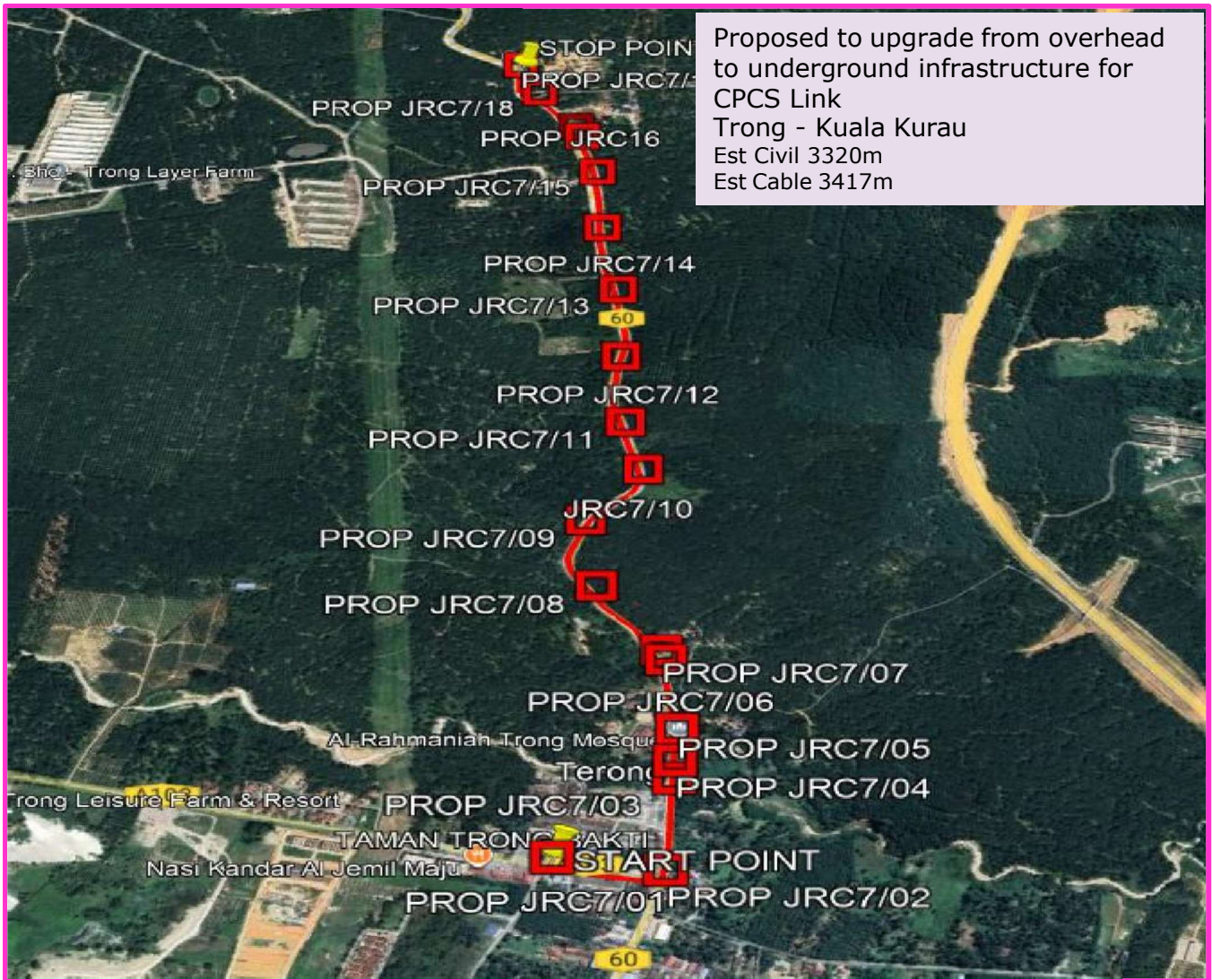


4.3 Cabling and Ducting

- 4.3.1 TDC will propose new duct to pull new 144C optical fiber cable from existing TTdC pole to the proposed TTdC manhole via propose new route.

- 4.3.2 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.

4.4 LOCATION MAP (WITH GPS COORDINATE)



Proposed to upgrade from overhead to underground infrastructure for CPCS Link (Trong - Kuala Kurau) Area 1

4.697150° 100.695266°



5. APPENDIX A

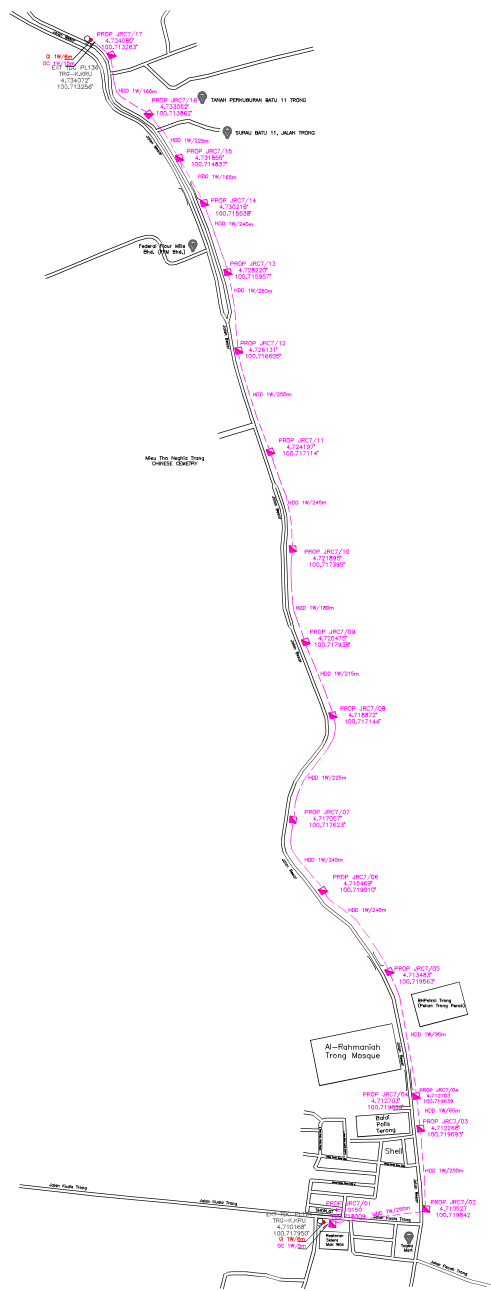
5.1 Product Portfolio

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)



5.2 Drawing – Site Plan Civil

REFER TO NEXT SLIDE








Local Authorities:-

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LEGEND :- OUTSIDE PLANT

-  = EXIT TDC POLE
-  = PROPOSED JRC7
-  = PROP GI FOR POLE
-  = PROP HDD/OC 1W
-  = GI 1W (CROSSING)

REV. NO	REV. DATE	REV. BY	DESCRIPTION



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 Hicom Glenmarie Industrial Park,
 40150 Shah Alam Selangor Darul Ehsan,
 Tel: +60 3 5032 6000
 Website: www.time.com.my

PROJECT TITLE :
PROPOSED FIBER CIVIL INFRA FOR TRONG-KULA KURAU,

DRAWING TITLE :
**CIVIL PLAN DRAWING
 TECHNICAL PROPOSAL (TP) FOR LAST MILE LINK
 AND BUILDING ACCESS**



DRAWING NO : TT.dc:

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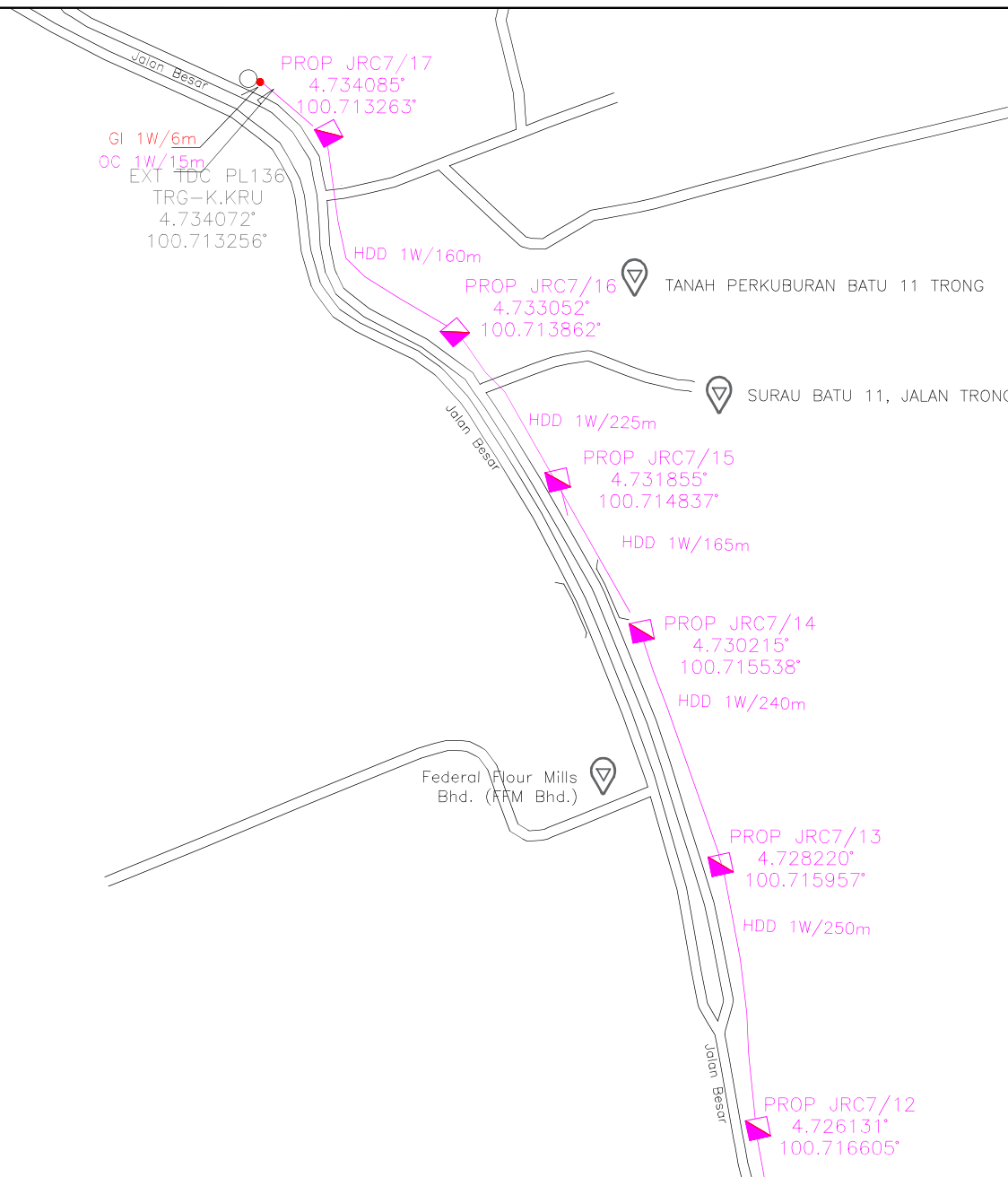
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SHEET NO : 1 / 1



















DRAWING SCALE: N.T.S	DRAWING UNIT: METER
PREPARED BY:  PURNAMA SOLUTIONS (M) SDN BHD	INITIAL & DATE 04-09-2025
DESIGNED BY:  PURNAMA SOLUTIONS (M) SDN BHD	INITIAL & DATE 04-09-2025
CHECKED BY: —	INITIAL & DATE —
APPROVED BY: —	INITIAL & DATE —


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-  = EXISTING PIT
-  = BUILDING MANHOLE (BMH)
-  = NEW TIME MANHOLE
-  = PROJECT TIME MH BY OTHER
-  = EXISTING TIME MANHOLE (EXTG TMH)
-  = PIT
-  = EXISTING TMB MANHOLE
-  = 2W MT
-  = ROW
-  = EXISTING DUCT ROUTE
-  = WORK AREA
-  = GRASS AREA
-  = TRAFFIC FLOW
-  = HORIZONTAL DIRECTIONAL DRILLING
-  = OPEN CUT
-  = MICRO TRENCHING
-  = ROAD BOUNDARY



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PROJECT TITLE: KUALA KURAU	
DRAWING TITLE: AS BUILT DRAWING – KUALA KURAU	
DRAWING NO: TTDC/COV/ANGGUN LUMAYAN/01_1-01	SHEET NO: 1/1

DRAWING SCALE: N.T.S	DRAWING UNITS: METER
PREPARED BY: NUR HIDAYAH	INITIAL & DATE: 25/06/2025
DESIGNED BY: PURNAMA SOLUTION	INITIAL & DATE: 25/06/2025
CHECKED BY: INDRAN	INITIAL & DATE: 25/06/2025
APPROVED BY: TT DOTCOM SDN BHD	INITIAL & DATE: 25/06/2025

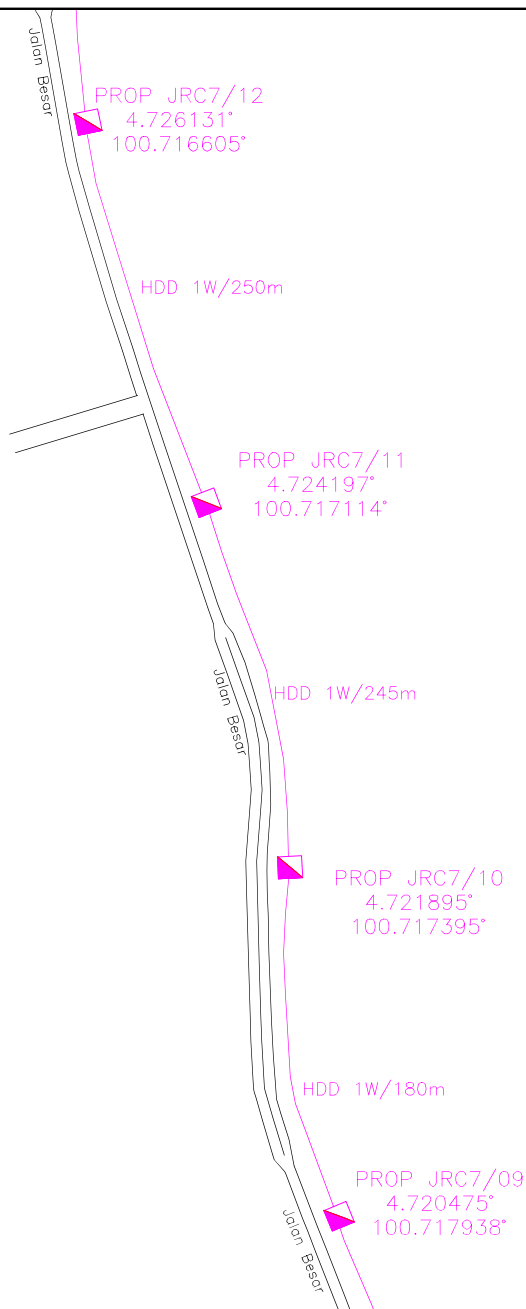

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-  = GRASS AREA
-  = TRAFFIC FLOW
-  = HORIZONTAL DIRECTIONAL DRILLING
-  = OPEN CUT
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-  = ROAD BOUNDARY

Mieu Tho Neghia Trang
CHINESE CEMETRY

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DRAWING TITLE: AS BUILT DRAWING – KUALA KURAU	
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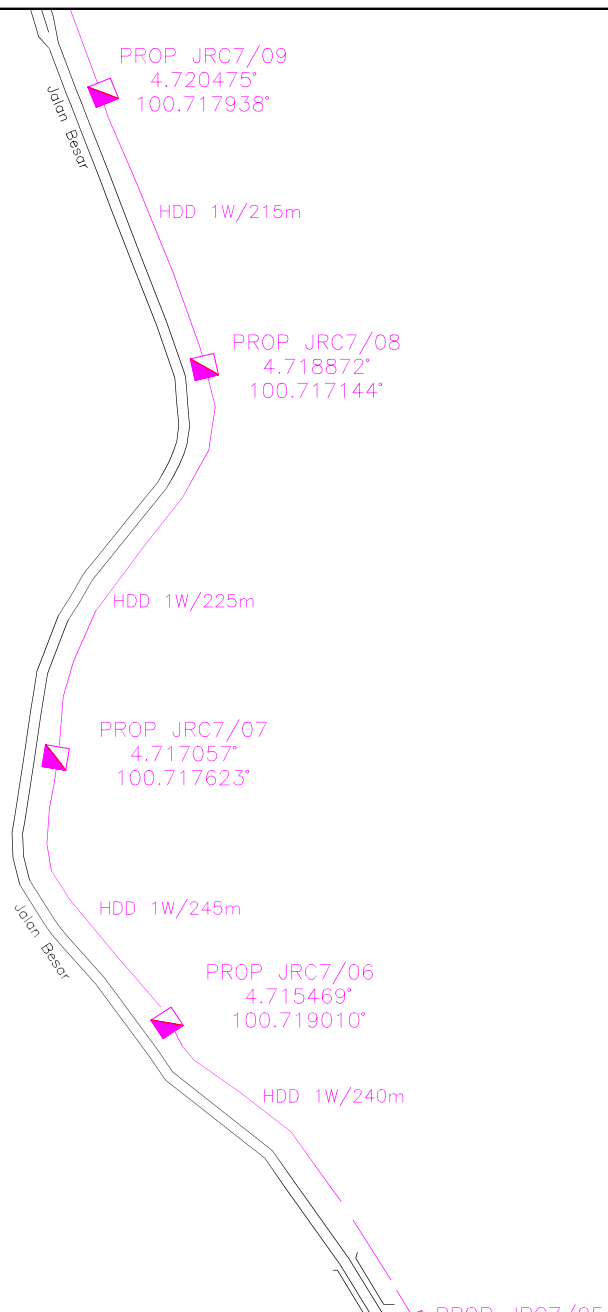

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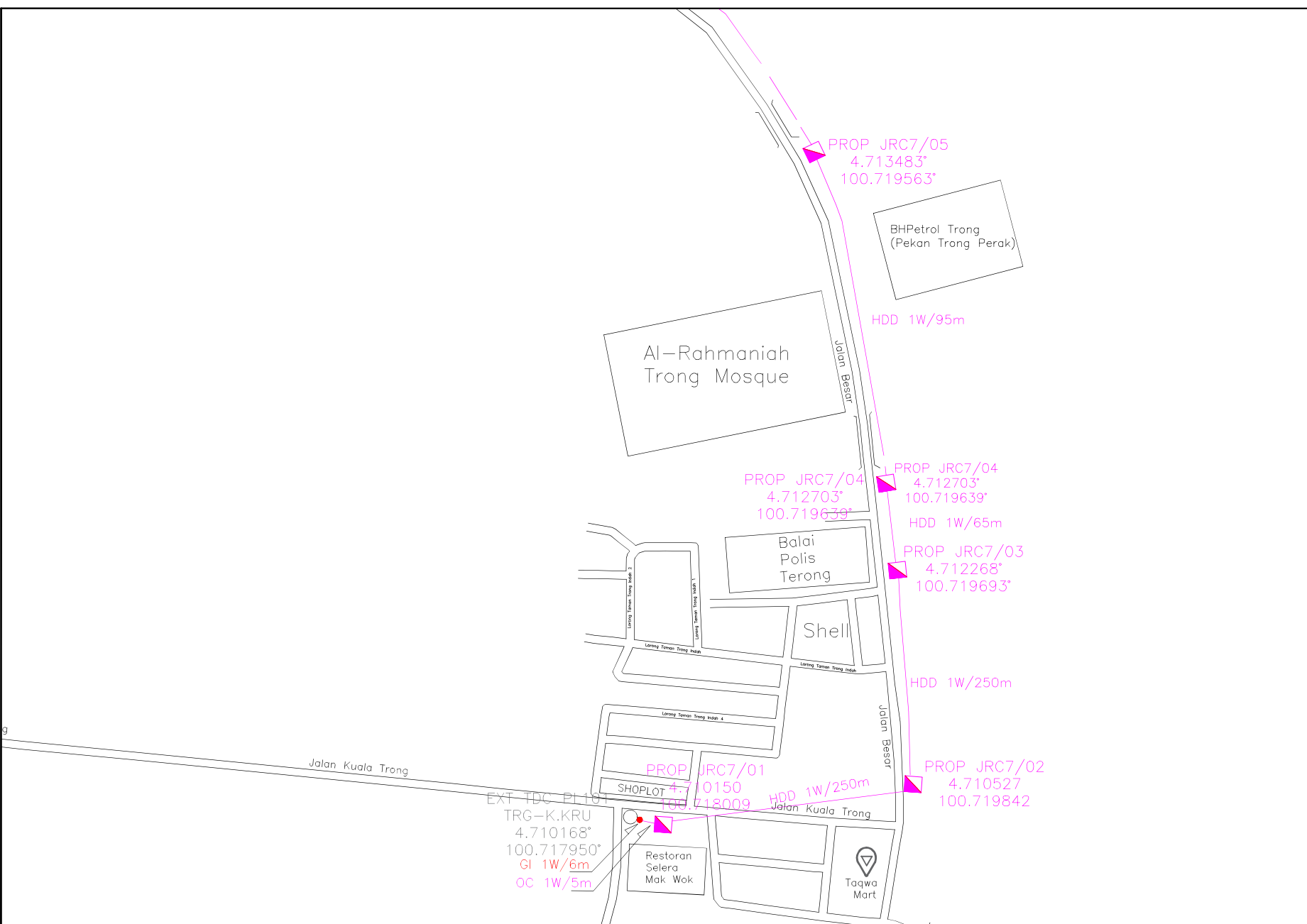

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DRAWING TITLE: AS BUILT DRAWING – KUALA KURAU	
DRAWING NO: TTDC/COV/ANGGUN LUMAYAN/01_1-01	SHEET NO: 1/1

DRAWING SCALE: N.T.S	DRAWING UNITS: METER
PREPARED BY: NUR HIDAYAH	INITIAL & DATE: 25/06/2025
DESIGNED BY: PURNAMA SOLUTION	INITIAL & DATE: 25/06/2025
CHECKED BY: INDRAN	INITIAL & DATE: 25/06/2025
APPROVED BY: TT DOTCOM SDN BHD	INITIAL & DATE: 25/06/2025

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PROJECT TITLE: KUALA KURAU

DRAWING TITLE: AS BUILT DRAWING – KUALA KURAU

DRAWING NO: TTDC/COV/ANGGUN LUMAYAN/01_1-01 **SHEET NO:** 1/1

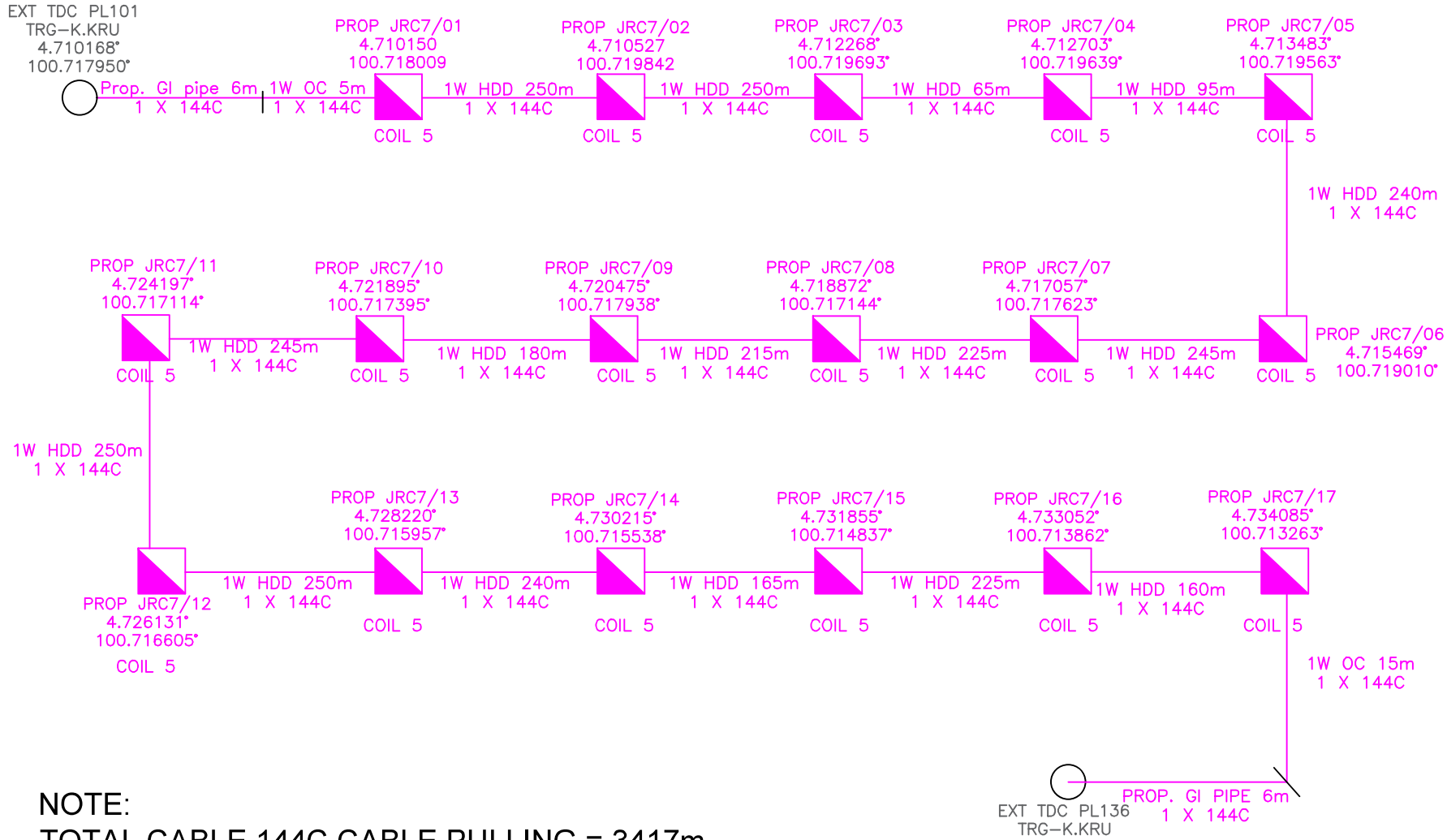
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DESIGNED BY: PURNAMA SOLUTION	INITIAL & DATE: 25/06/2025
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5.3 Drawing – SLD 144C

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- = GRASS AREA
- = TRAFFIC FLOW
- = HDD = HORIZONTAL DIRECTIONAL DRILLING
- = OC = OPEN CUT
- = MT = MICRO TRENCHING
- = ROAD BOUNDARY

NOTE:
TOTAL CABLE 144C CABLE PULLING = 3417m

PURNAMA SOLUTION
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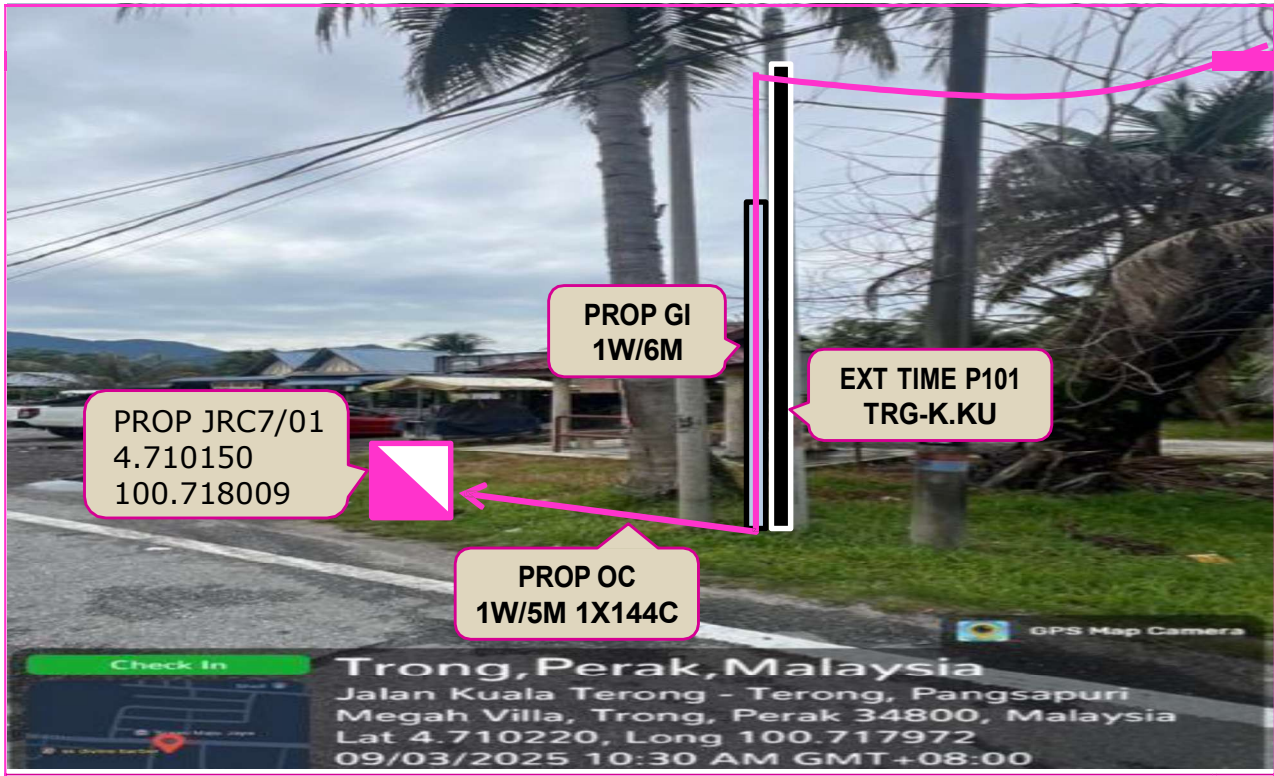
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Selangor Darul Ehsan, Malaysia.
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PROJECT TITLE: KUALA KURAU	
DRAWING TITLE: STRAIGHT LINE DRAWING – KUALA KURAU	
DRAWING NO: TTDC/COV/ANGGUN LUMAYAN/01_1-01	SHEET NO: 1/1

DRAWING SCALE: N.T.S	DRAWING UNITS: METER
PREPARED BY: NUR HIDAYAH	INITIAL & DATE: 25/06/2025
DESIGNED BY: PURNAMA SOLUTION	INITIAL & DATE: 25/06/2025
CHECKED BY: INDRAN	INITIAL & DATE: 25/06/2025
APPROVED BY: TT DOTCOM SDN BHD	INITIAL & DATE: 25/06/2025

6. APPENDIX A

6.1 Site Photo



PROPOSED START CIVIL *TAP INFRA* EXT TIME P101 AT JALAN KUALA TRONG



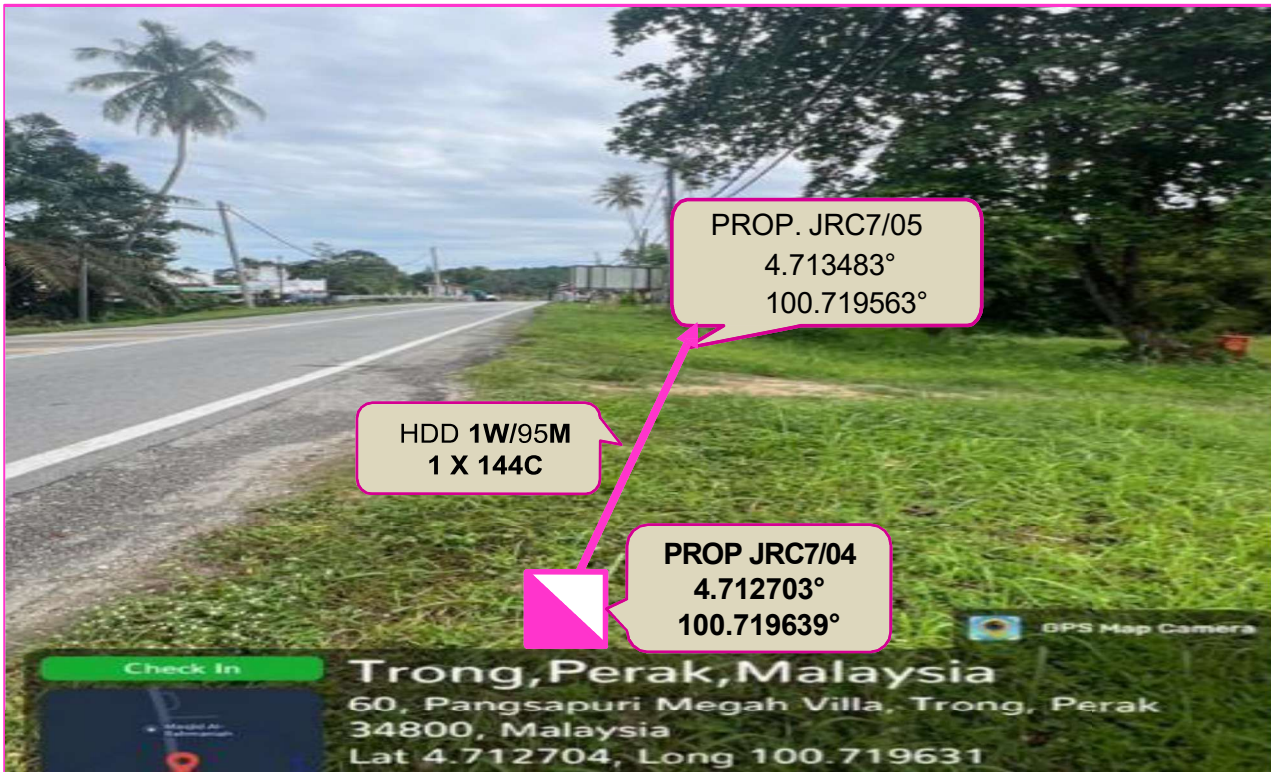
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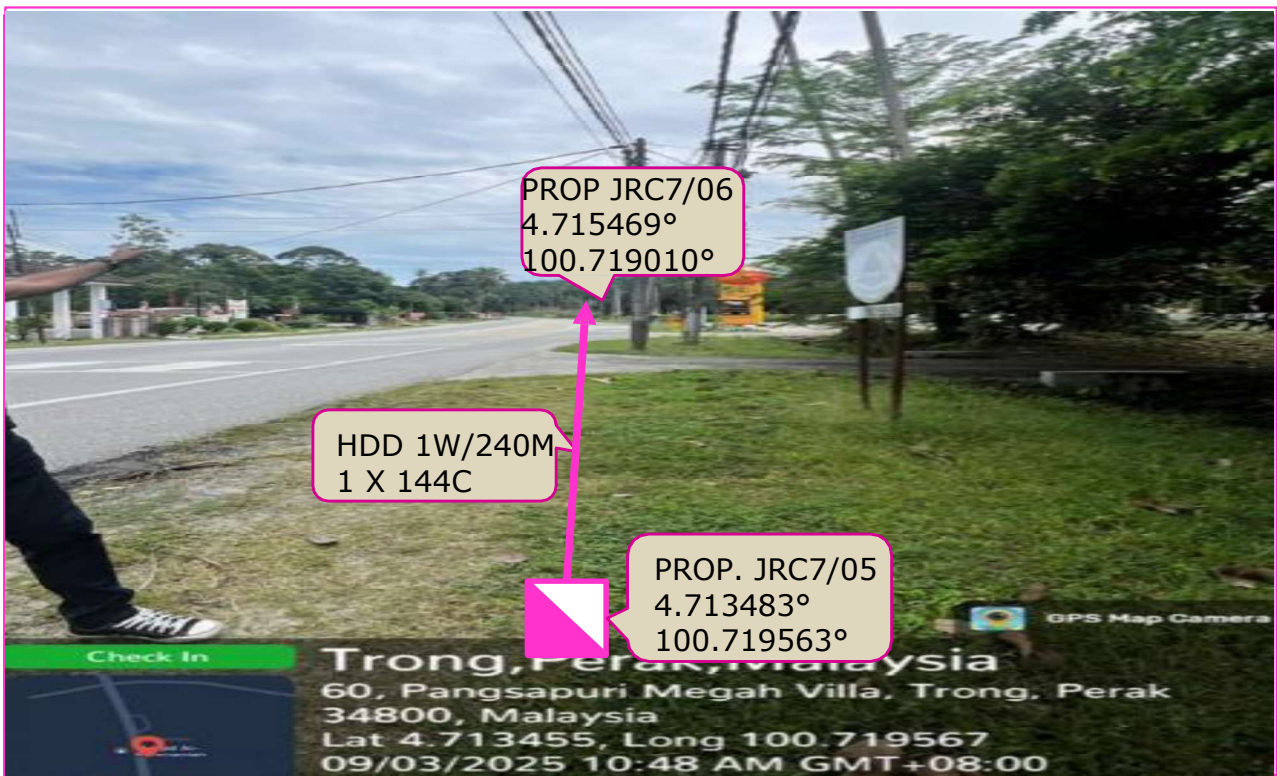
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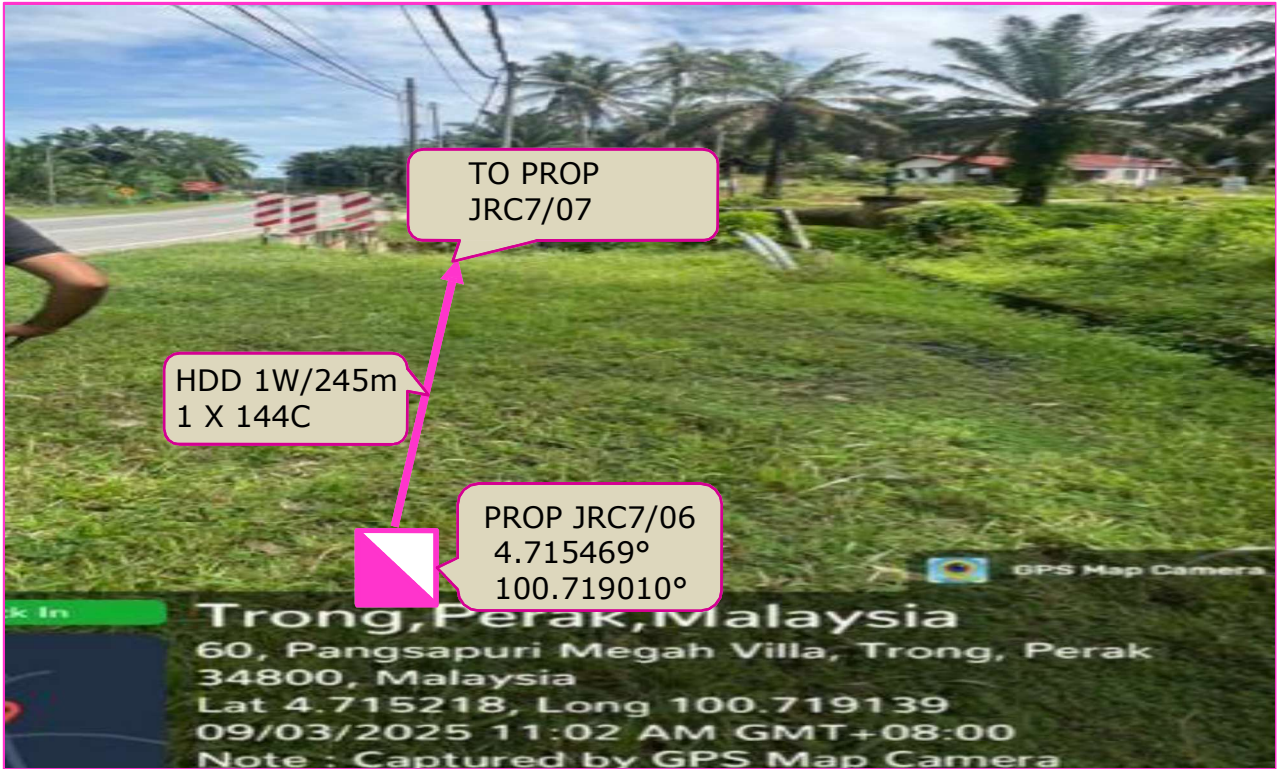
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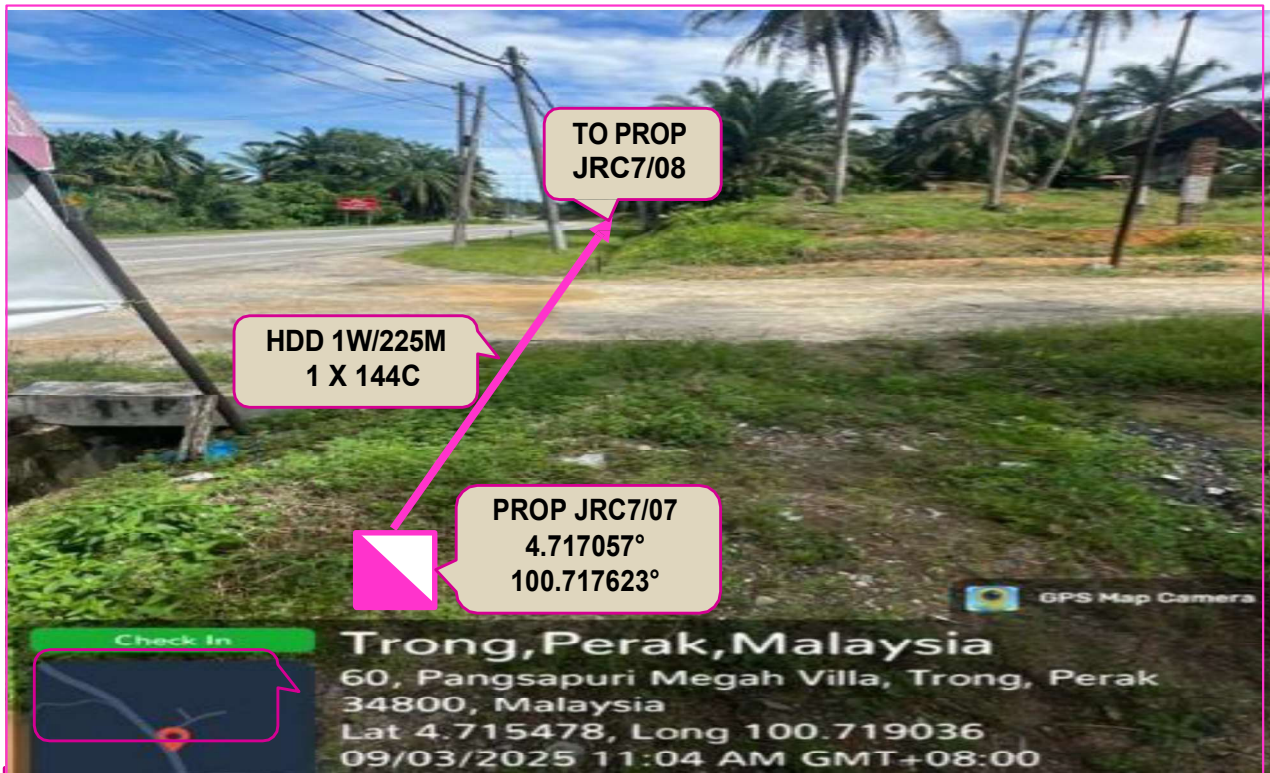
PROP 144C CABLE ROUTING VIA PROP JRC7/04 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/05 AT JALAN BESAR (ROADSIDE)



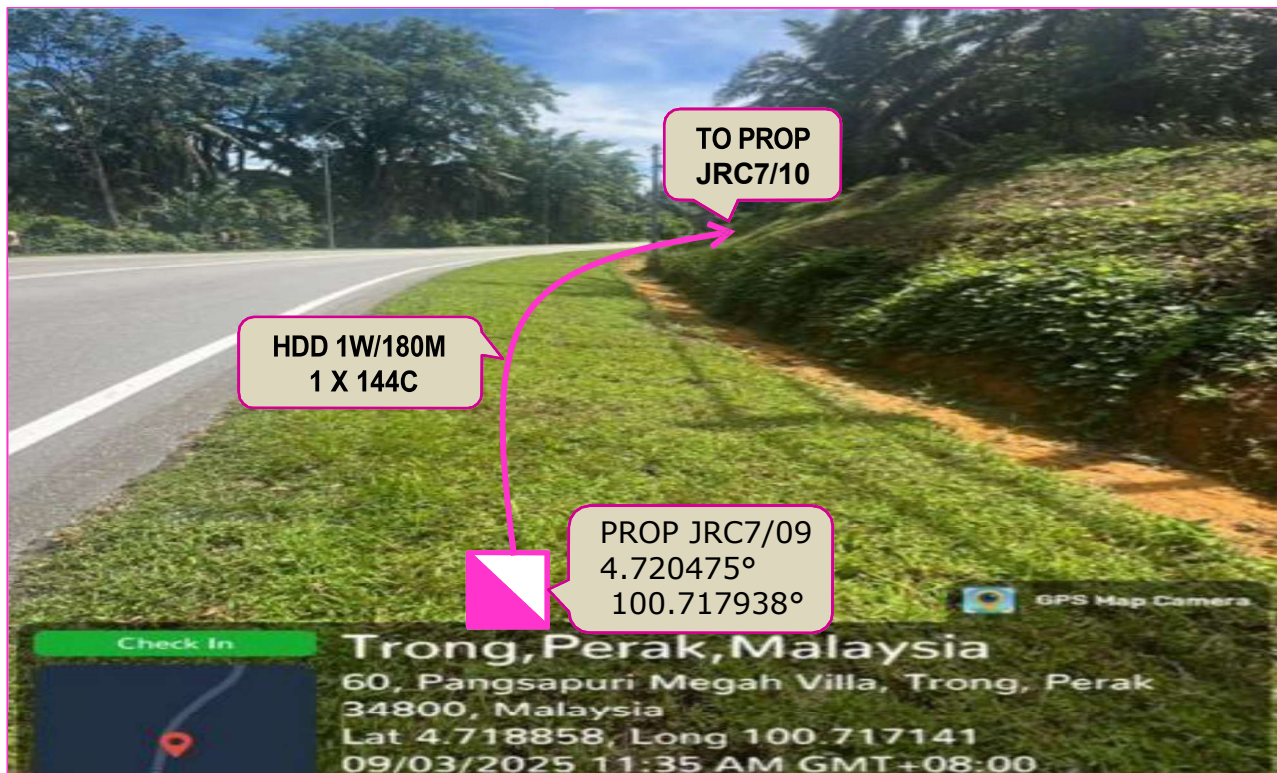
PROP 144C CABLE ROUTING VIA PROP JRC7/06 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/07 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/08 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/09 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/10 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/11 AT JALAN BESAR (ROADSIDE)



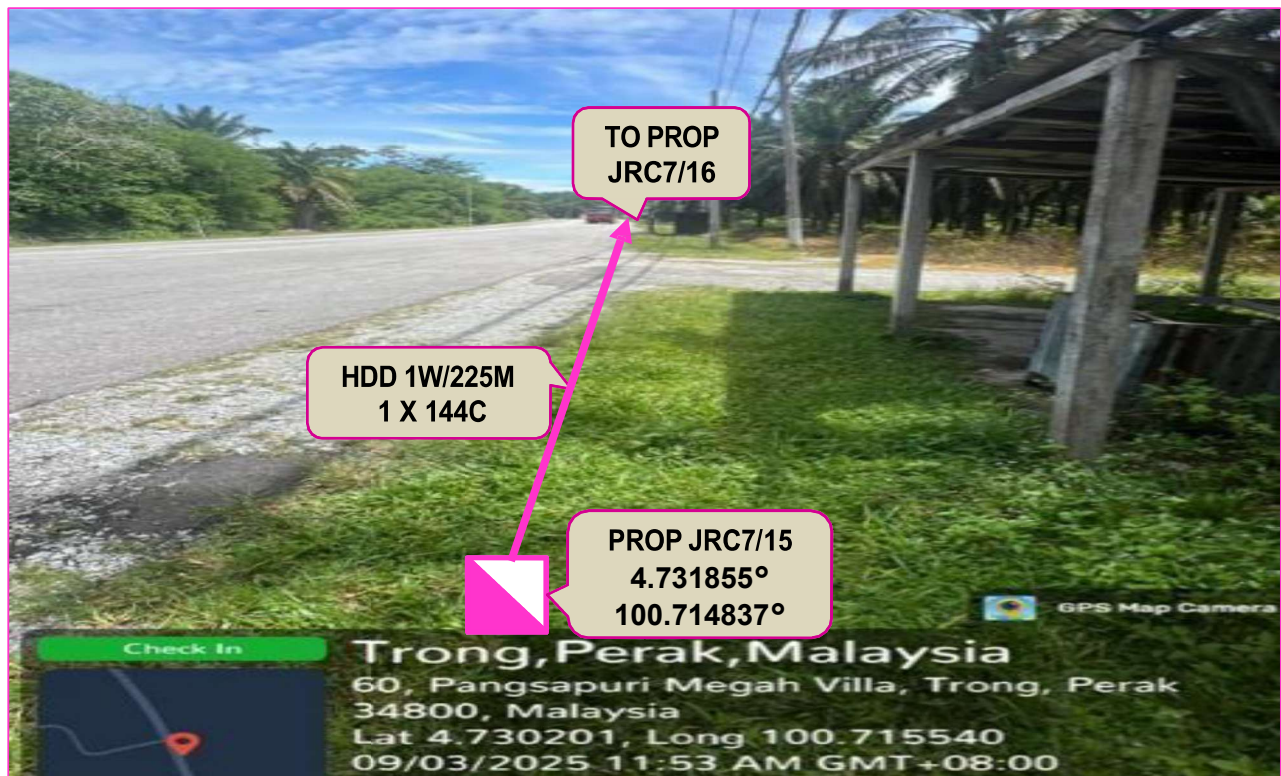
PROP 144C CABLE ROUTING VIA PROP JRC7/12 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/13 AT JALAN BESAR (ROADSIDE)



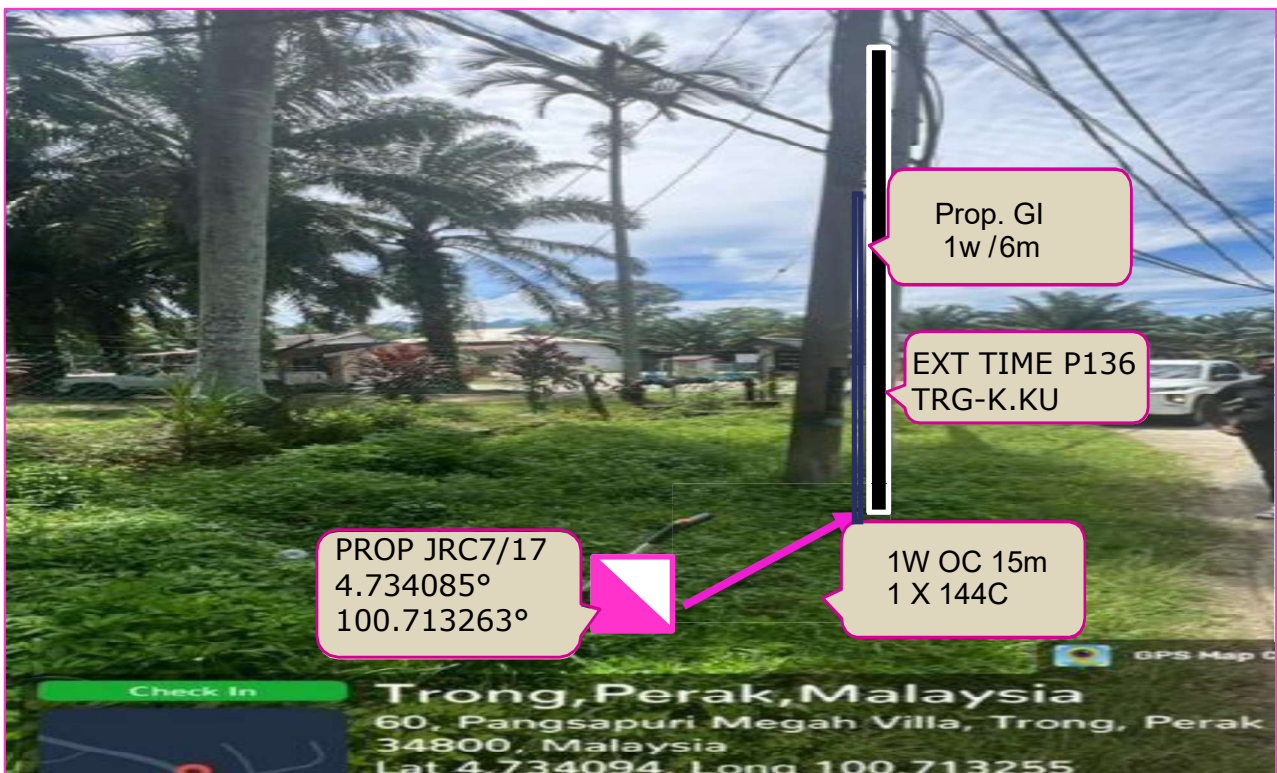
PROP 144C CABLE ROUTING VIA PROP JRC7/14 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/15 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/16 AT JALAN BESAR (ROADSIDE)



PROP 144C CABLE ROUTING VIA PROP JRC7/17 AT JALAN BESAR (ROADSIDE)



6.2 Existing and Propose Manhole

No.	MH Number	Coordinate (Lat)	Coordinate (Long)
1	EXT TDC POLE 101 TRG-K.KRU(START POINT)	4.710168°	100.717950°
2	PROP JRC7/01	4.710150°	100.718009°
3	PROP JRC7/02	4.710094°	100.719867°
4	PROP JRC7/03	4.712268°	100.719693°
5	PROP JRC7/04	4.712703°	100.719639°
6	PROP JRC7/05	4.713483°	100.719563°
7	PROP JRC7/06	4.715469°	100.719010°
8	PROP JRC7/07	4.717057°	100.717623°
9	PROP JRC7/08	4.718872°	100.717144°
10	PROP JRC7/09	4.720475°	100.717938°
11	PROP JRC7/10	4.721895°	100.717395°
12	PROP JRC7/11	4.724197°	100.717114°
13	PROP JRC7/12	4.726131°	100.716605°
14	PROP JRC7/13	4.728220°	100.715957°
15	PROP JRC7/14	4.730215°	100.715538°
16	PROP JRC7/15	4.731855°	100.714837°
17	PROP JRC7/16	4.733052°	100.713862°
18	PROP JRC7/17	4.734085°	100.713263°
19	EXT TDC POLE 136 TRG-K.KRU (END POINT)		