



PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN
SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI
SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA
(KKMM.400-11/17/132(1))



TECHNICAL PROPOSAL ABA4031-SEKOLAH KEBANGSAAN KARAI (D-SIDE)

Company Name	:	Aratimur Sdn. Bhd.
Company Address	:	A-08-13, 8 th Floor, Block A, Radia Office, Persiaran Singgahsana, 40150 Bukit Jelutong, Shah Alam, Selangor.
Prepared By	:	Muhammad Danieal Adikha Bin Zaidi
Date	:	15/01/2025



POINT A



POINT B

Starting Point

Site / Boundary Name	:	Sekolah Kebangsaan Karai
Address	:	33600 Enggor, Perak
District	:	Kuala Kangsar
Postcode	:	33600
State	:	Perak
GPS Coordinate	:	4.839637, 100.963280
LRD	:	A

End Point

Site / Boundary Name	:	Jalan Klinik
Address	:	33600 Enggor, Perak
District	:	Kuala Kangsar
Postcode	:	33600
State	:	Perak
GPS Coordinate	:	4.846027, 100.958244
LRD	:	B



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Work Summary

No	Proposed Distance and Method	Unit	Qty
1	Horizontal Directional Drilling (HDD)	m	60
2	Carriage Way Open trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro trenching (MT)	m	0
	Total		0

	Other Information	Unit	Qty
1	Proposed of Short Span ADSS Fibre Cables	m	1405
2	Proposed Pole	ea	42
3	Proposed Manhole	ea	2
4	Proposed GI Riser 50mm	ea	3
5	Proposed Fiber Distribution Point	ea	13
6	Proposed Joint Closure	ea	4
7	Estimated time required for completion	days	30



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Local Authority Summary

1. Daerah Kuala Muda

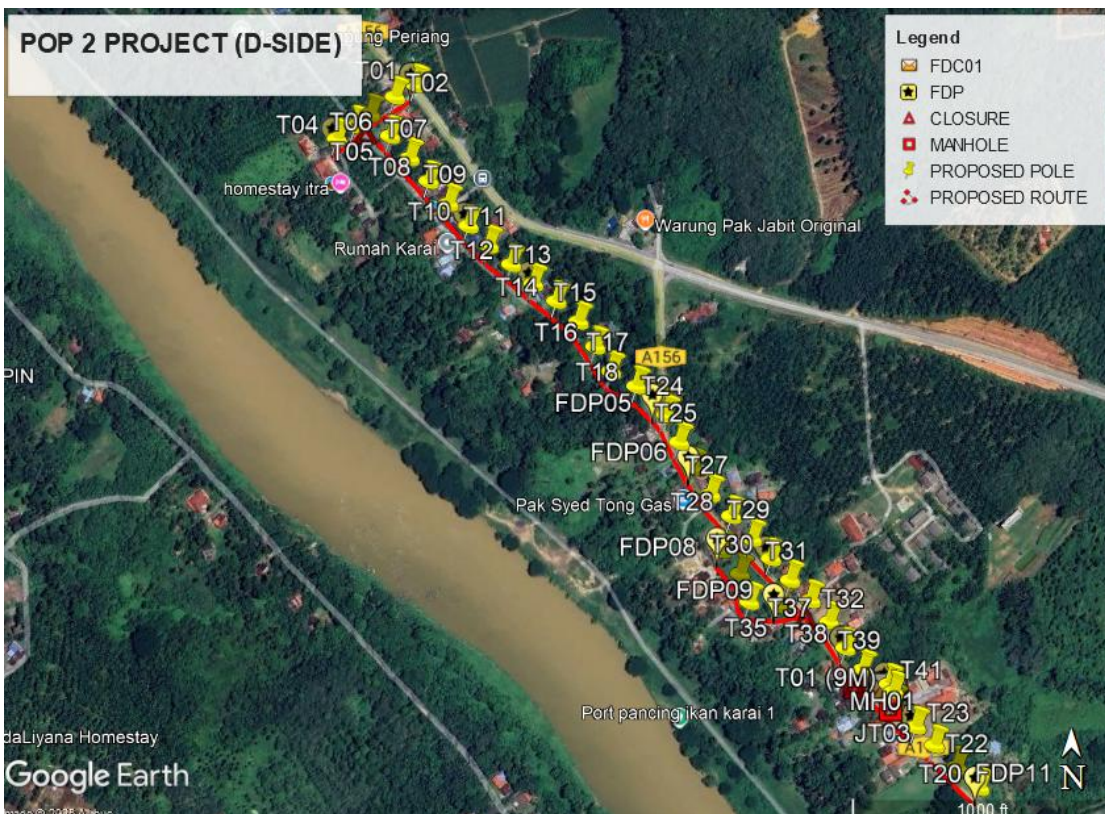
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	1	60m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	19pcs	595m
		Majlis	23pcs	750m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				1405m

Site Plan – KMZ (Overview site area)

Proposed FDP & Closure



Proposed New Pole





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Site Plan – KMZ Routing (All Local Authority)

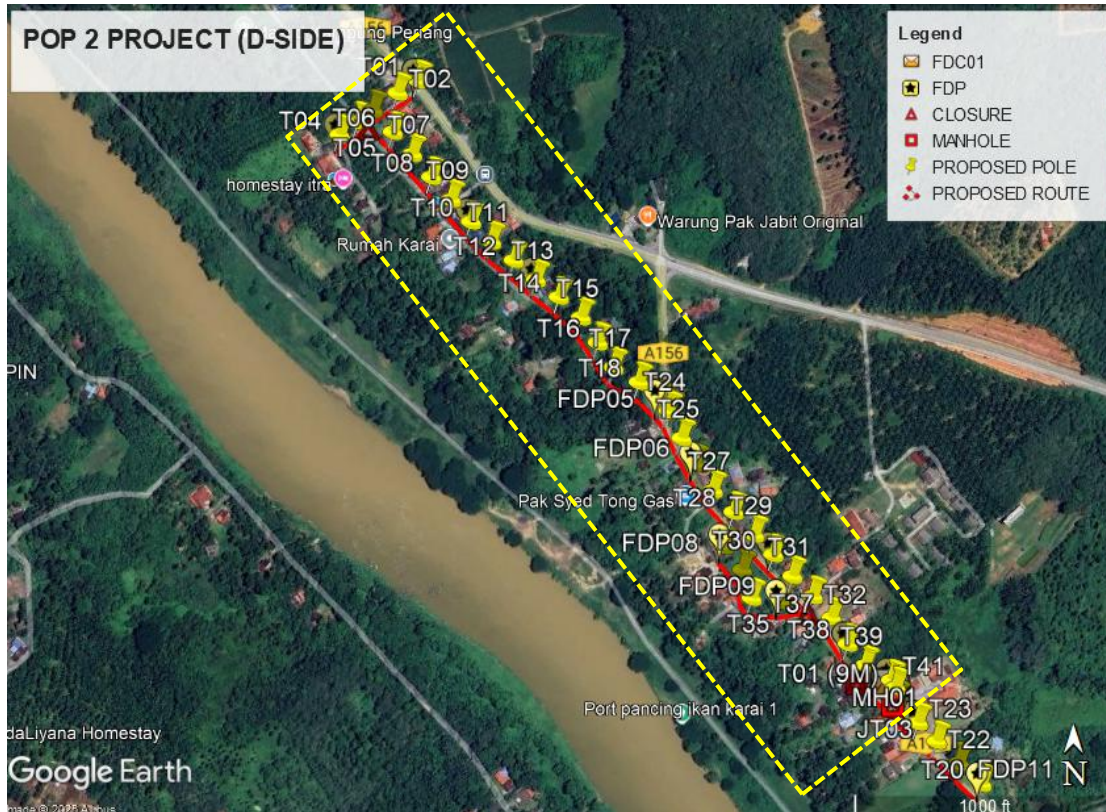


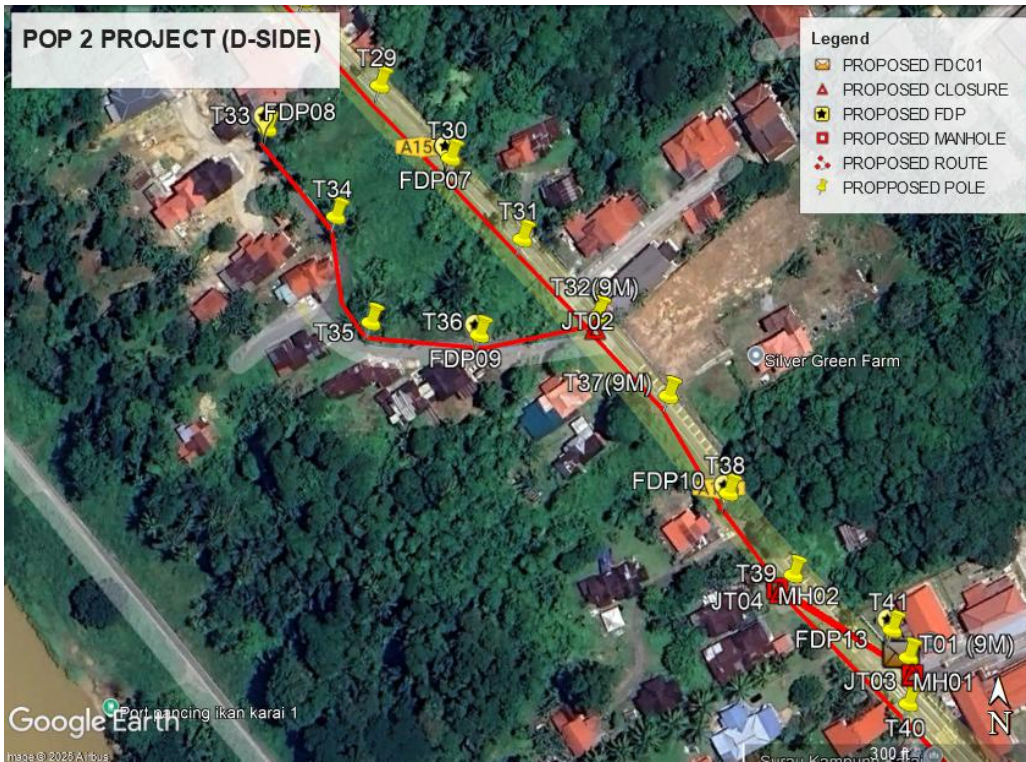
Blue Colour – Majlis Perbandaran Kuala Kangsar

Red Colour – JKR Kuala Kangsar

Site Plan – KMZ Routing (All site area)

Route 1

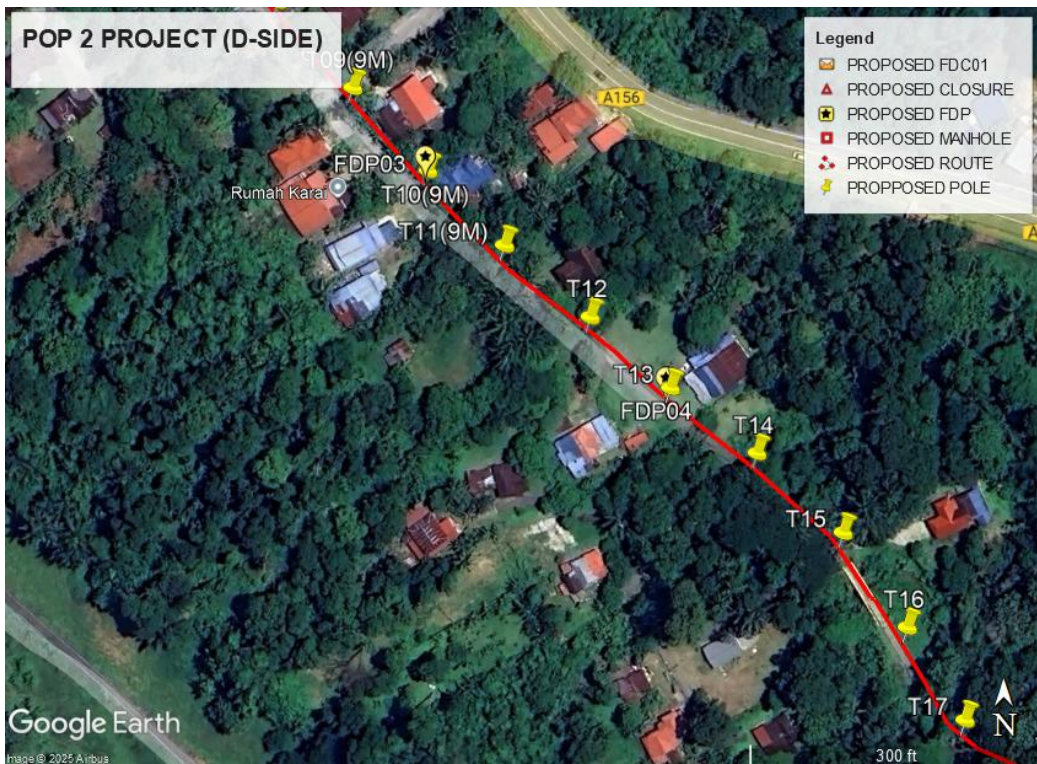




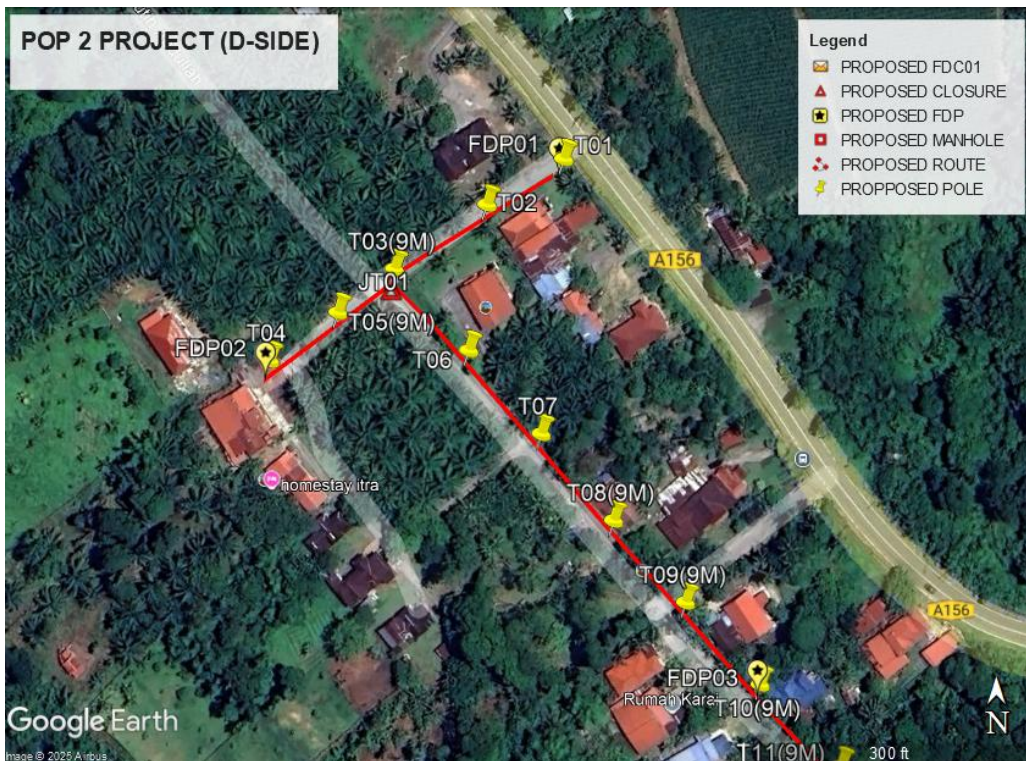
Route 1.1



Route 1.2



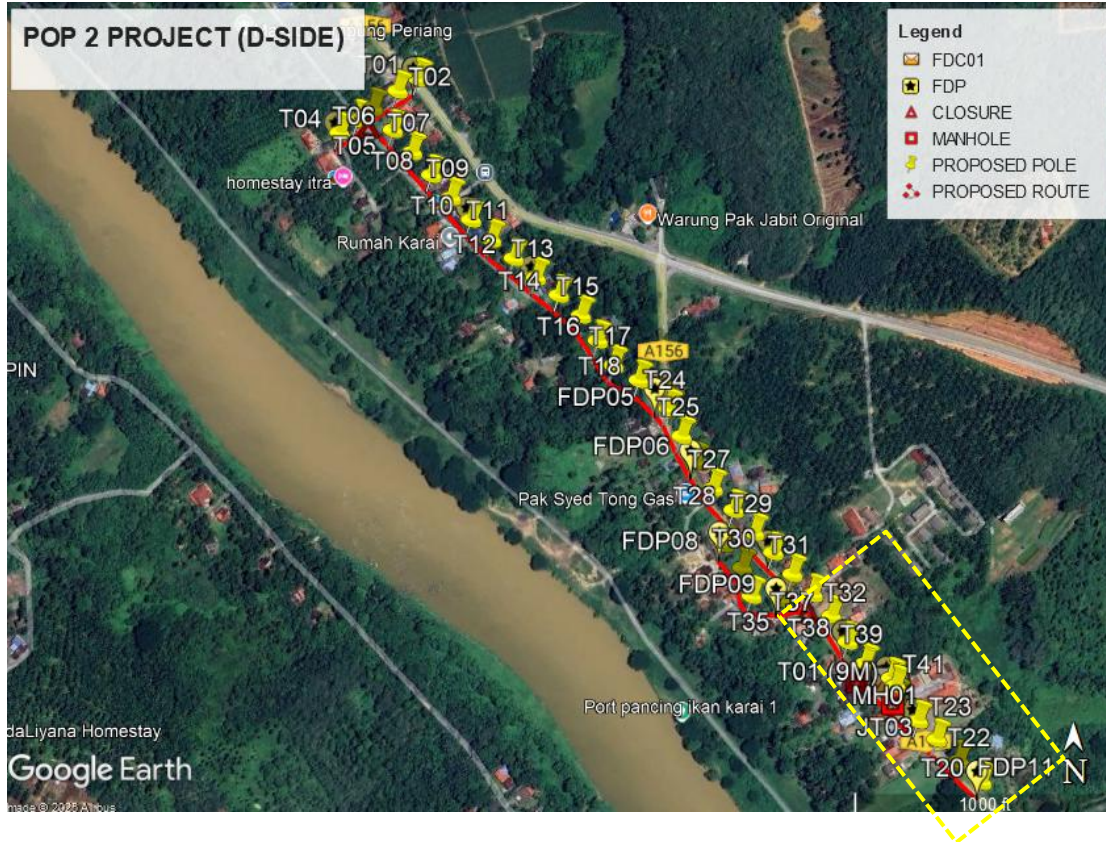
Route 1.3

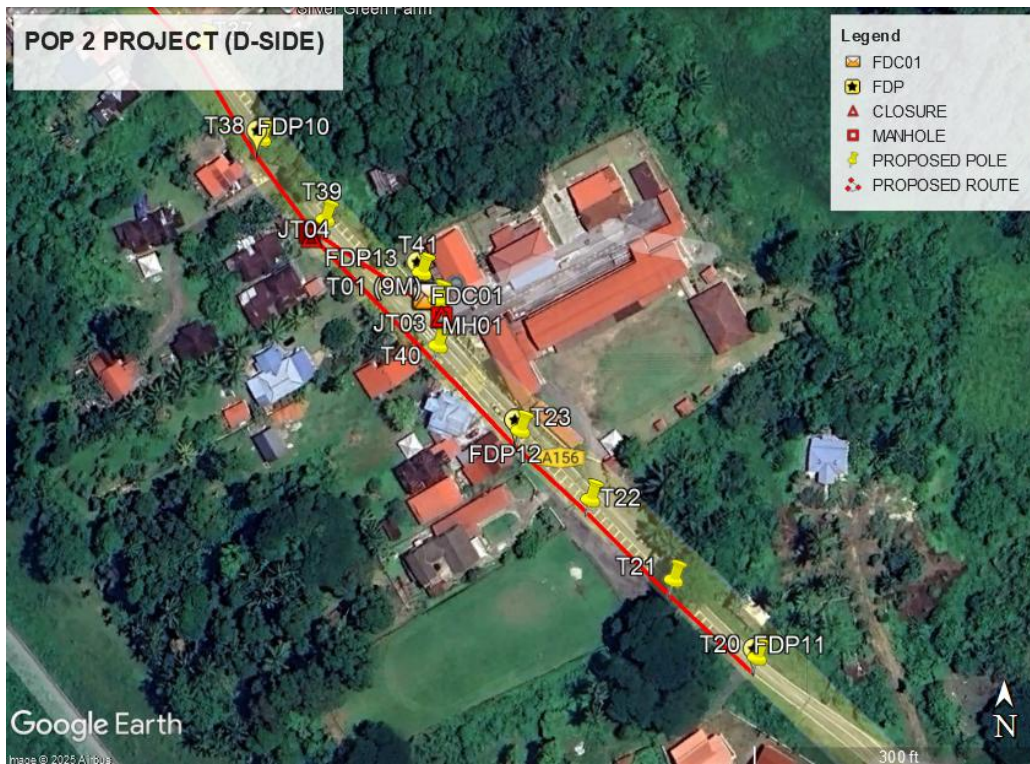


Route 1.4

Site Plan – KMZ Routing (All site area)

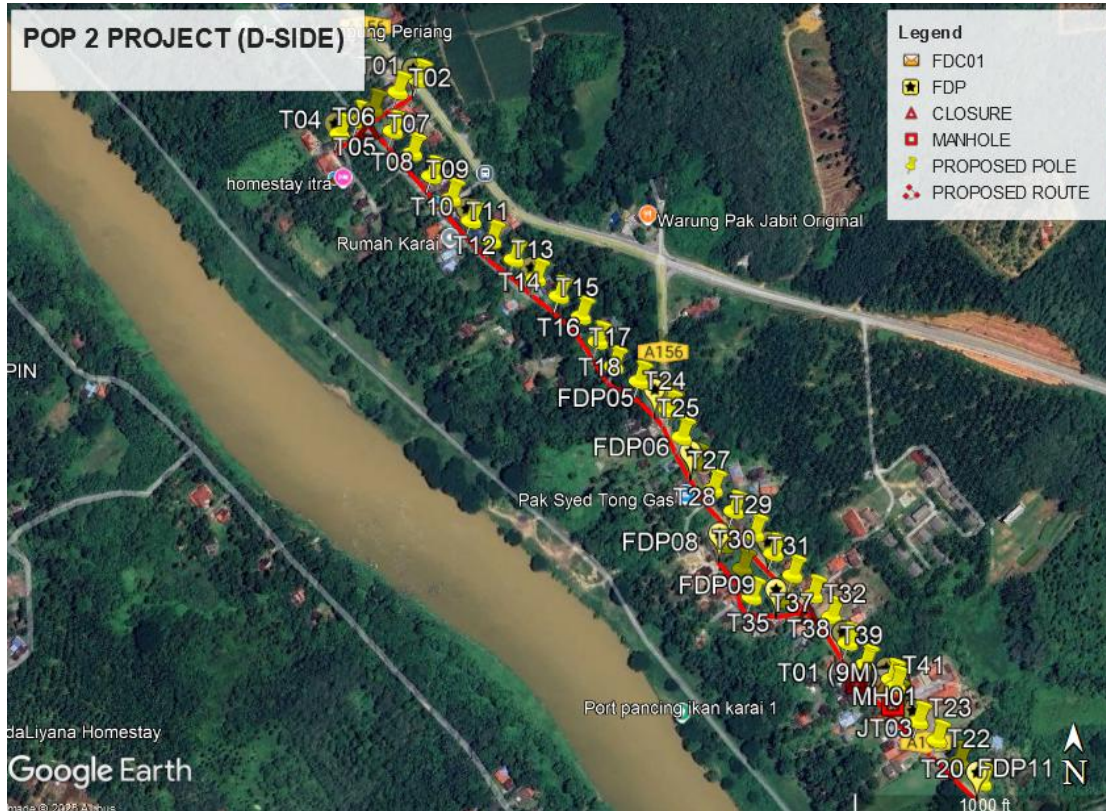
Route 2





Route 2.1

Site Plan – KMZ Routing (Proposed New Pole)





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Overall Pole (Proposed New)

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	FDC	35	4.839637	100.963280	JKR Kuala Kangsar
2	T001(9M)	35	4.839641	100.963288	JKR Kuala Kangsar
3	T001	35	4.846027	100.958244	Majlis Perbandaran Kuala Kangsar
4	T002	35	4.845899	100.958028	Majlis Perbandaran Kuala Kangsar
5	T003(9M)	35	4.845720	100.957765	Majlis Perbandaran Kuala Kangsar
6	T004	25	4.845462	100.957412	Majlis Perbandaran Kuala Kangsar
7	T005(9M)	25	4.845598	100.957605	Majlis Perbandaran Kuala Kangsar
8	T006	35	4.845490	100.957976	Majlis Perbandaran Kuala Kangsar
9	T007	35	4.845256	100.958180	Majlis Perbandaran Kuala Kangsar
10	T008(9M)	35	4.845013	100.958384	Majlis Perbandaran Kuala Kangsar
11	T009(9M)	35	4.844779	100.958590	Majlis Perbandaran Kuala Kangsar
12	T010(9M)	35	4.844546	100.958802	Majlis Perbandaran Kuala Kangsar
13	T011(9M)	35	4.844331	100.959018	Majlis Perbandaran Kuala Kangsar
14	T012	35	4.844132	100.959256	Majlis Perbandaran Kuala Kangsar
15	T013	35	4.843937	100.959488	Majlis Perbandaran Kuala Kangsar
16	T014	35	4.843753	100.959731	Majlis Perbandaran Kuala Kangsar
17	T015	35	4.843534	100.959965	Majlis Perbandaran Kuala Kangsar
18	T016	35	4.843271	100.960142	Majlis Perbandaran Kuala Kangsar
19	T017	35	4.843010	100.960308	Majlis Perbandaran Kuala Kangsar
20	T018	35	4.842855	100.960577	Majlis Perbandaran Kuala Kangsar
21	T019	15	4.842647	100.960819	Majlis Perbandaran Kuala Kangsar
22	T020	35	4.838626	100.964198	JKR Kuala Kangsar
23	T021	35	4.838847	100.963960	JKR Kuala Kangsar
24	T022	35	4.839075	100.963723	JKR Kuala Kangsar
25	T023	35	4.839271	100.963523	JKR Kuala Kangsar
26	T024	35	4.842552	100.960891	JKR Kuala Kangsar
27	T025	35	4.842264	100.961029	JKR Kuala Kangsar
28	T026(9M)	35	4.841994	100.961172	JKR Kuala Kangsar
29	T027(9M)	35	4.841714	100.961359	JKR Kuala Kangsar
30	T028	35	4.840599	100.962414	JKR Kuala Kangsar
31	T029	35	4.841244	100.961798	JKR Kuala Kangsar
32	T030	35	4.841040	100.961999	JKR Kuala Kangsar
33	T031	35	4.840811	100.962201	JKR Kuala Kangsar
34	T032(9M)	35	4.840599	100.962414	JKR Kuala Kangsar



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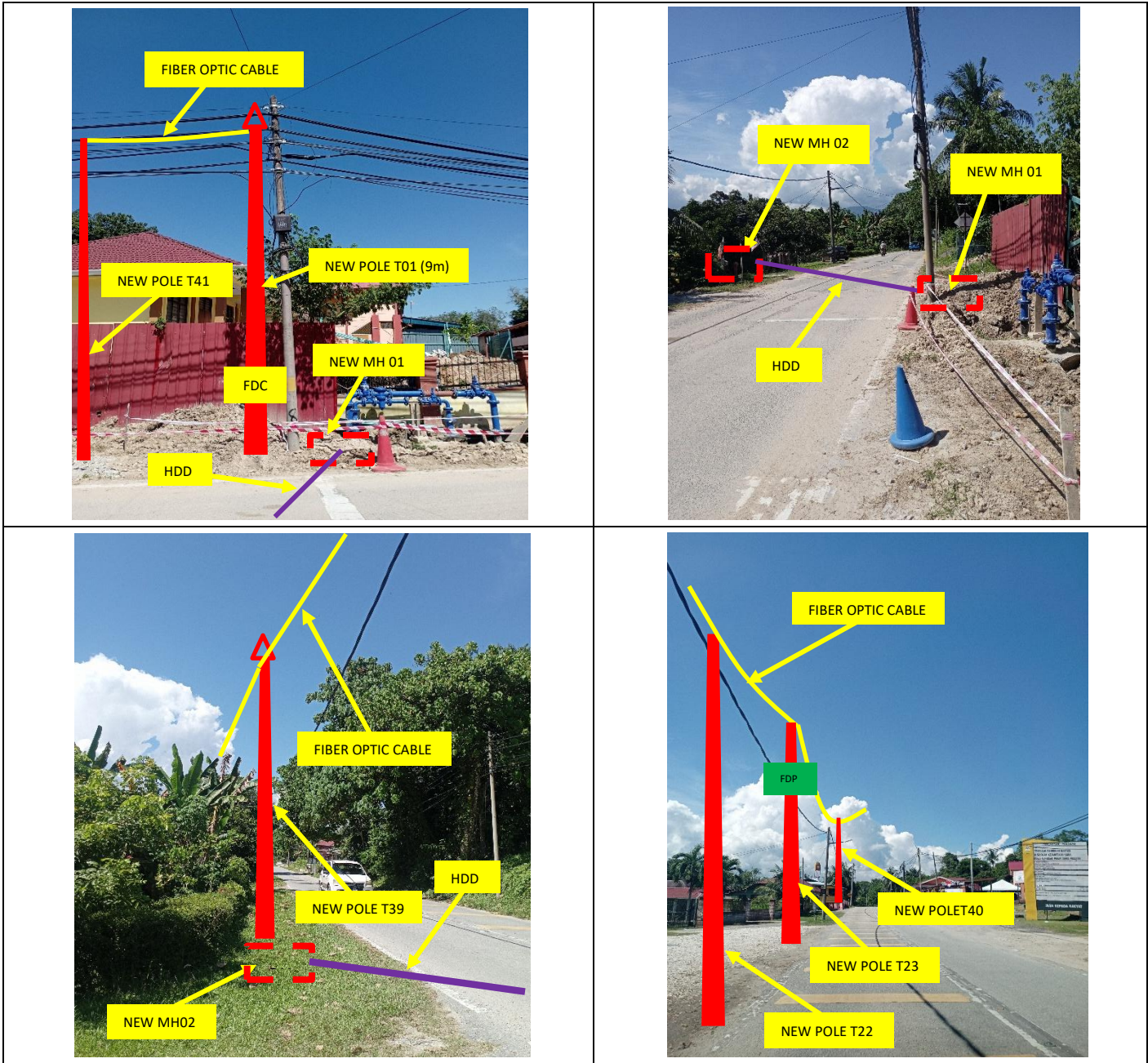


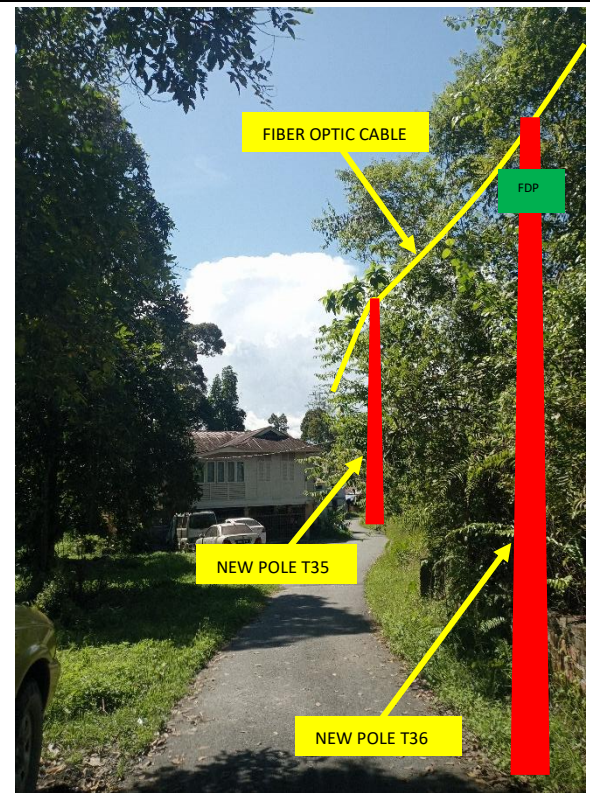
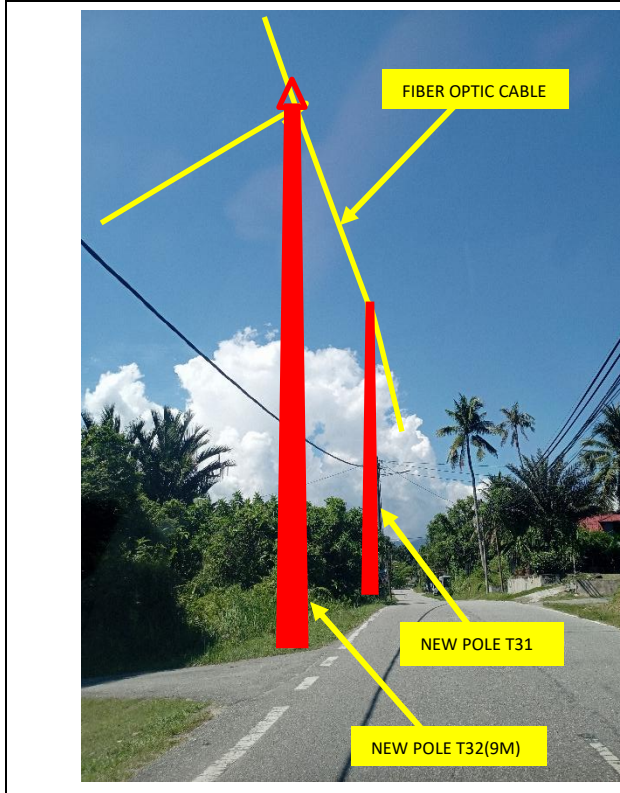
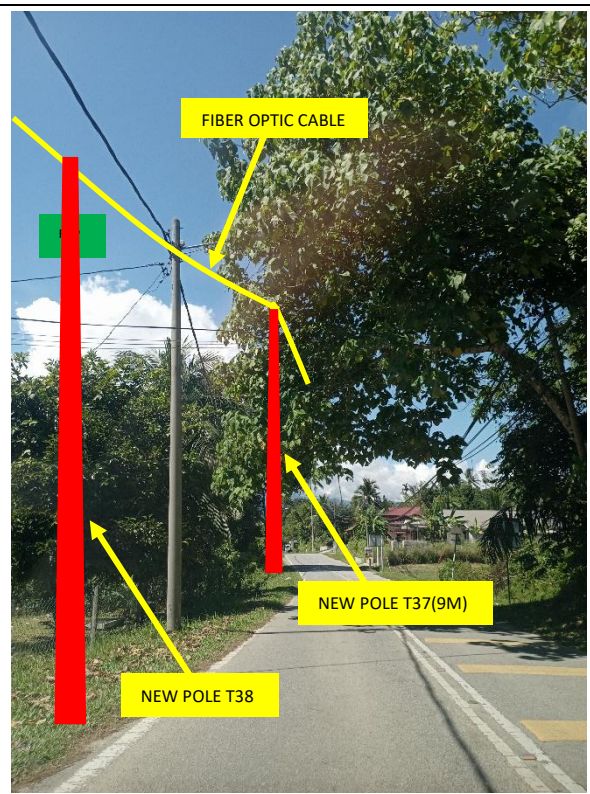
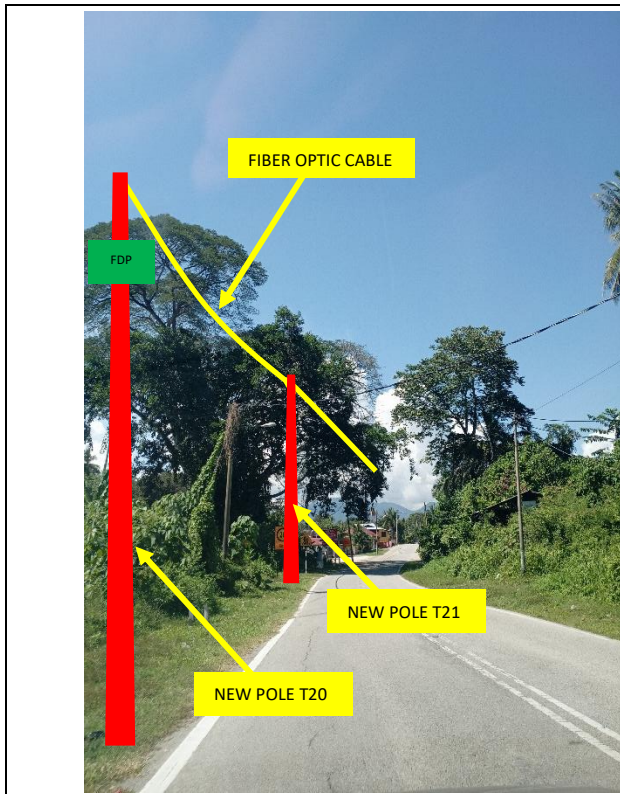
Overall Pole (Proposed New)

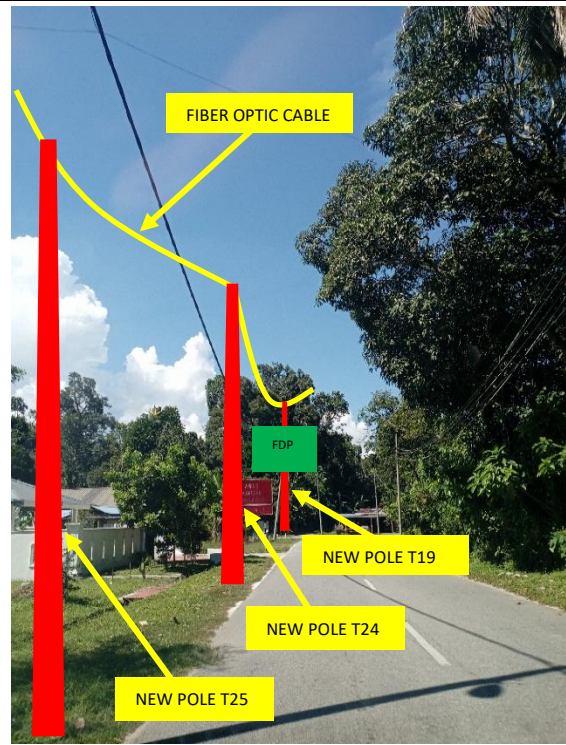
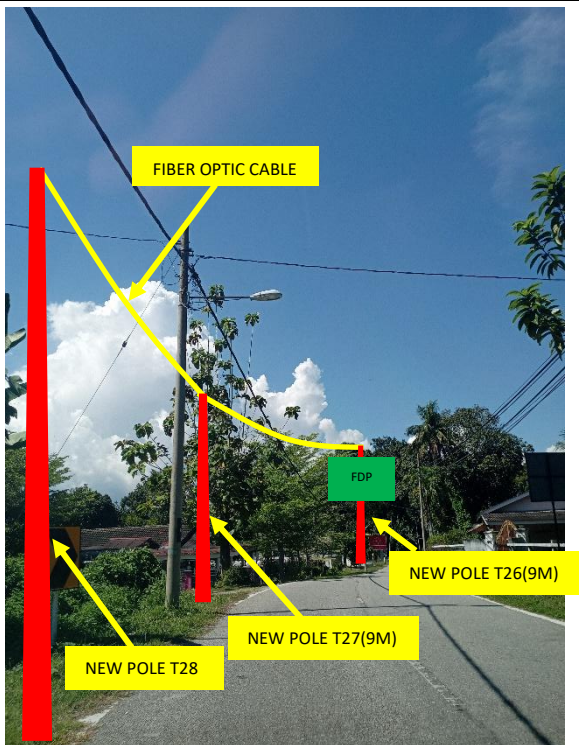
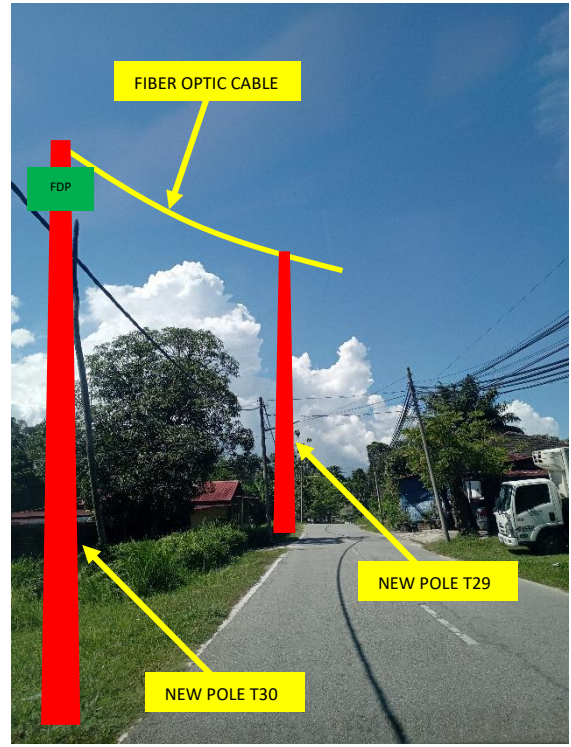
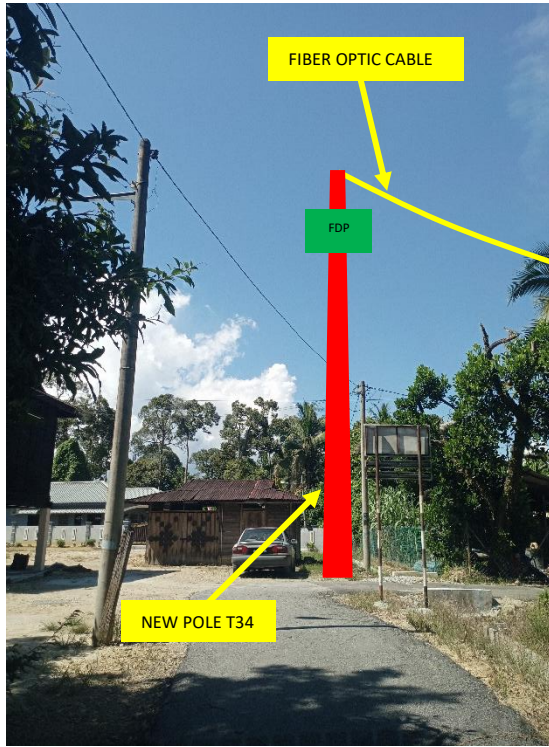
35	T033	35	4.841126	100.961477	Majlis Perbandaran Kuala Kangsar
36	T034	35	4.840877	100.961672	Majlis Perbandaran Kuala Kangsar
37	T035	35	4.840579	100.961772	Majlis Perbandaran Kuala Kangsar
38	T036	35	4.840543	100.962081	Majlis Perbandaran Kuala Kangsar
39	T037(9M)	35	4.840372	100.962614	JKR Kuala Kangsar
40	T038	35	4.840100	100.962783	JKR Kuala Kangsar
41	T039	35	4.839871	100.962966	JKR Kuala Kangsar
42	T040	35	4.839511	100.963288	JKR Kuala Kangsar
43	T041	10	4.839719	100.963242	JKR Kuala Kangsar

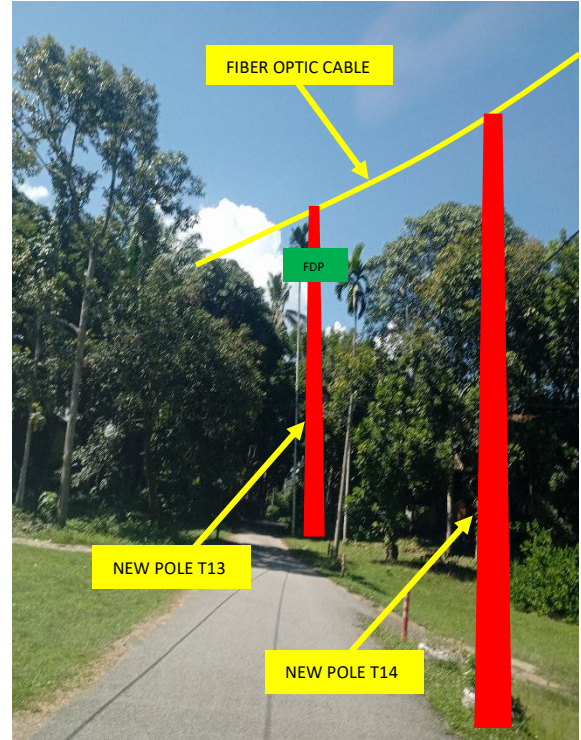
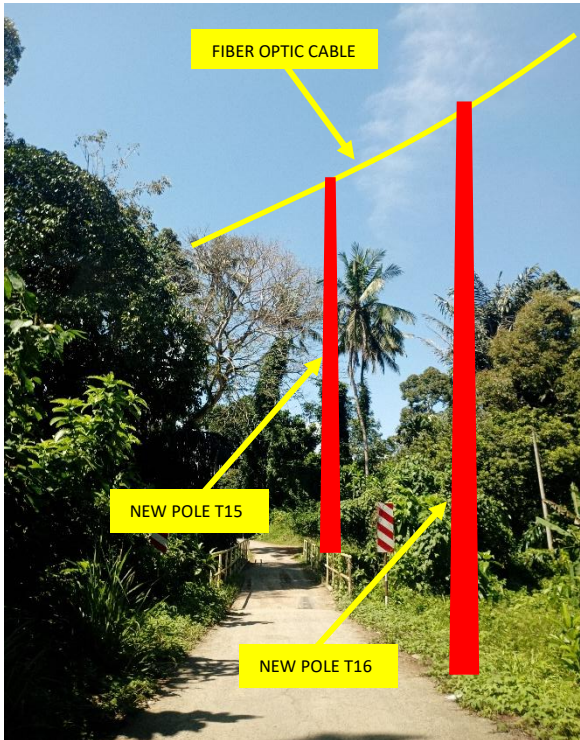
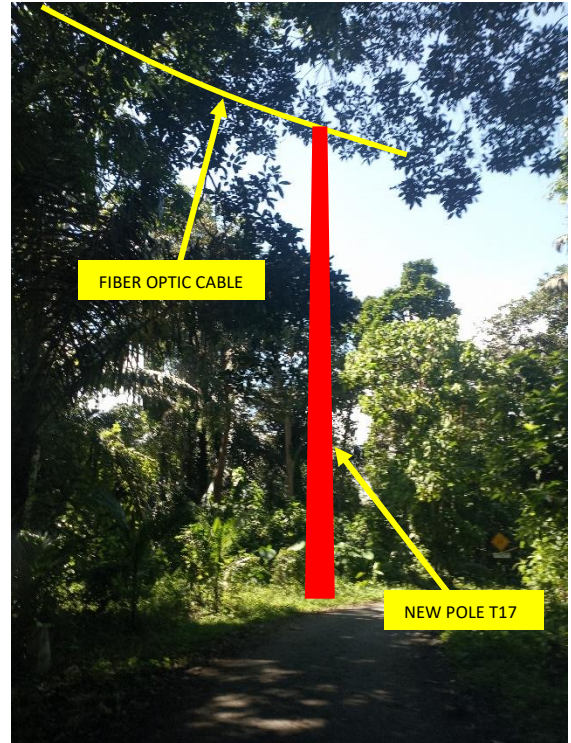
Bil	Type	7.5m	9.0m	Total
1	No. of Pole	31	11	42

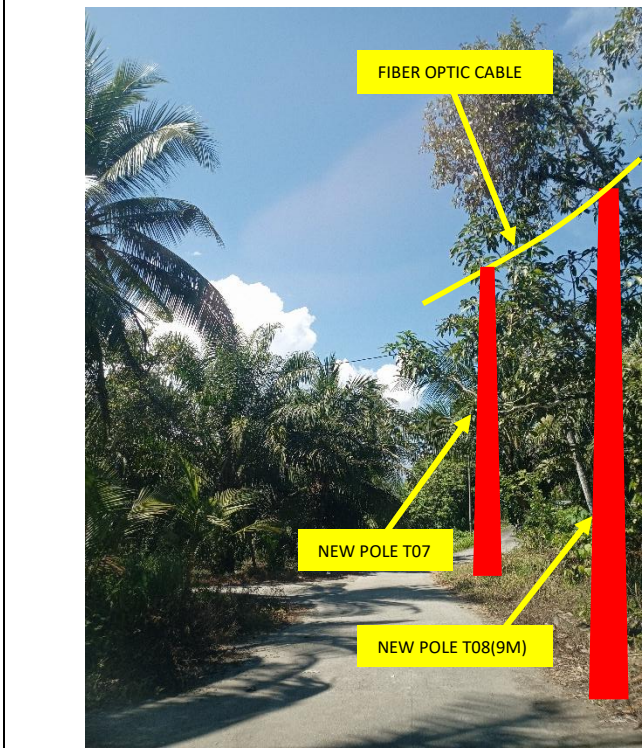
5.0 SITE PHOTOS - PROPOSED NEW POLE

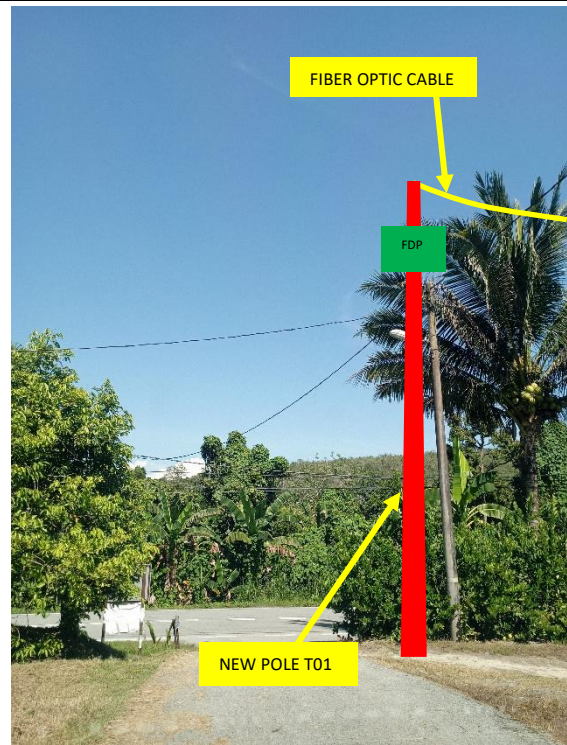
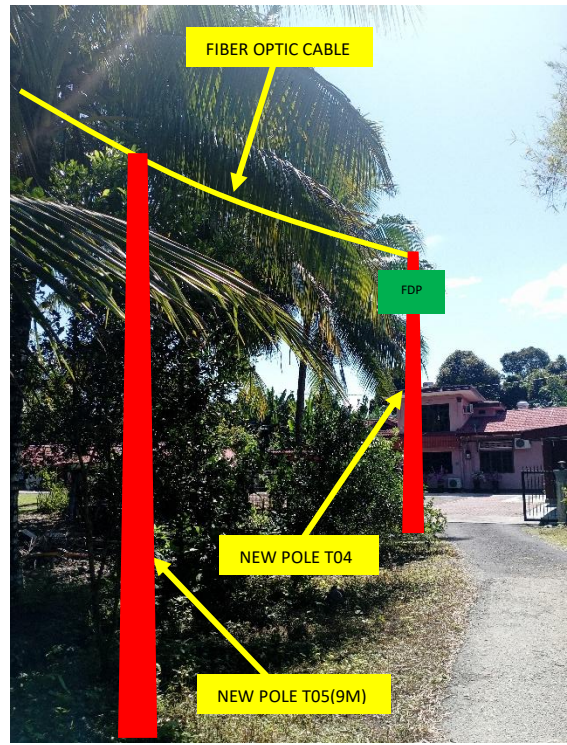
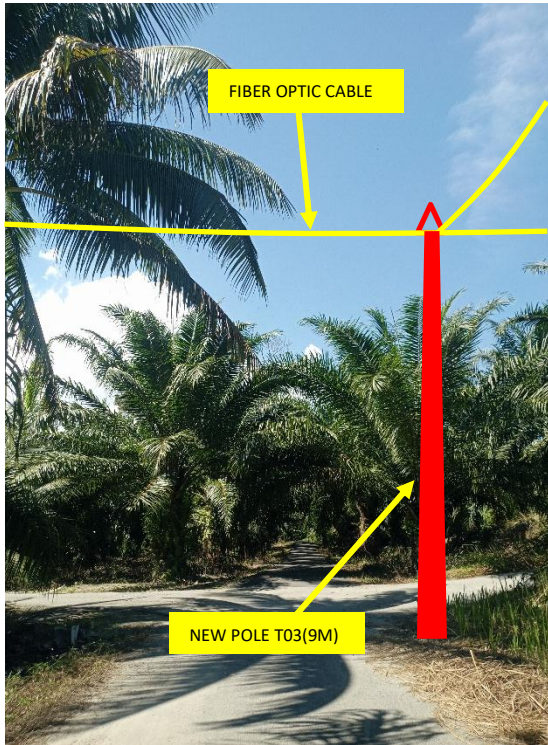














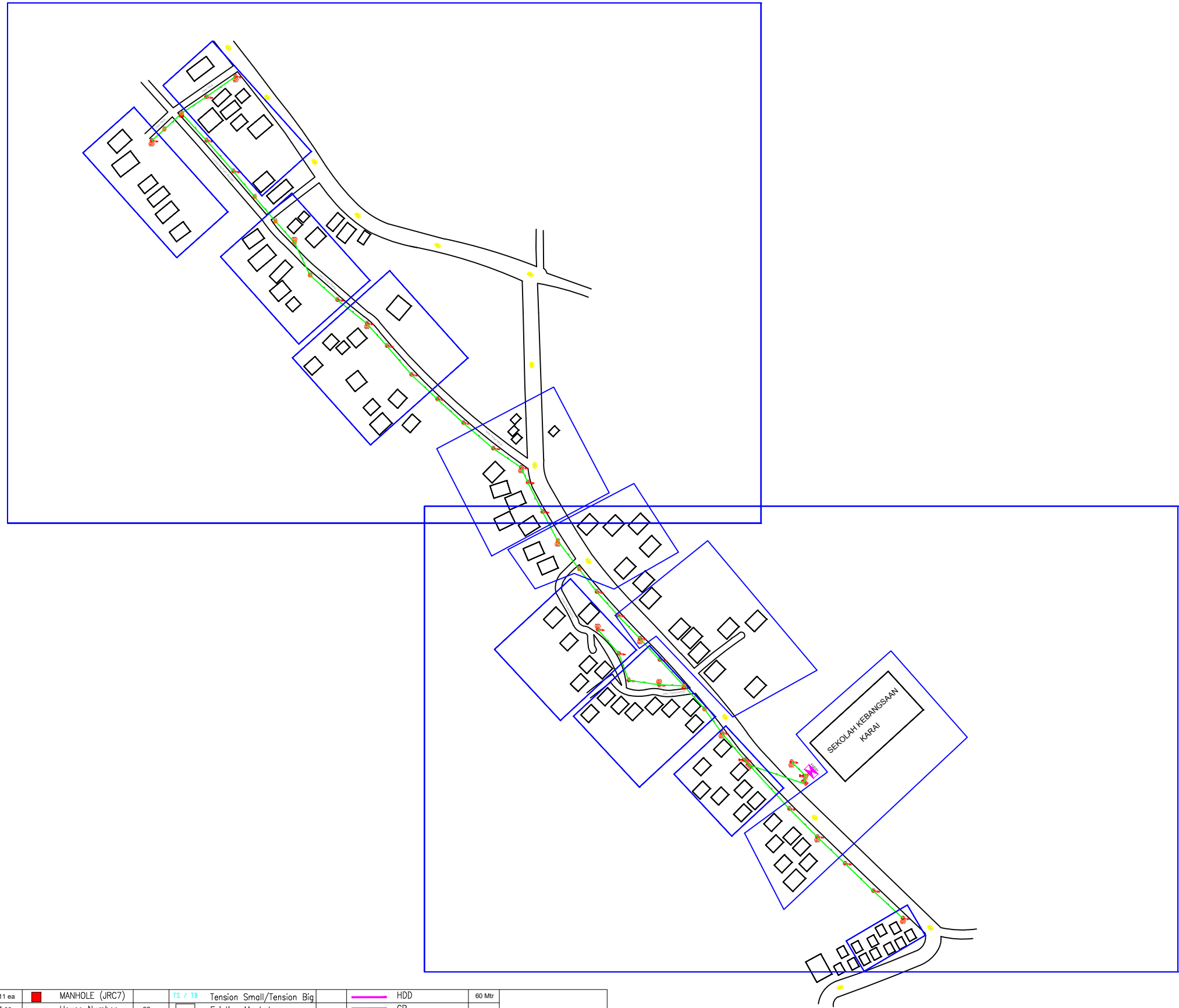
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3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	JKR Kuala Kangsar	
2	Majlis Perbandaran Kuala Kangsar	
3		
4		
5		
6		

SEKOLAH KEBANGSAAN KARAI



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD	60 Mtr
24C FOC	FDP with (1:8) splitter	Installed Riser	1 ea	House Number	Existing Manhole	GR	
48C FOC	Closure	TENSION		Existing TNB Pole	C01 Closure NO.	Existing TNB Pole 11m	
96C FOC	New Manhole (PIT)	SUSPENSION		LOOP	FDP1 FDP NO.	Existing TNB Pole NO.	
144C FOC	Installed Pole (7.5M)	FDC	1 ea	FDP Boundary	FDC FDC NO.	P001 New Pole NO.	

SEE A-A in this page
SEE SHEET XXX

KEY PLAN :

OWNER / DEVELOPER:



MAIN CONTRACTOR:



SUB-CONTRACTOR:



PROJECT TITLE:

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DRAWING TITLE:

D SIDE- SEKOLAH KEBANGSAAN KARAI

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 27/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

DRAWING NUMBER :

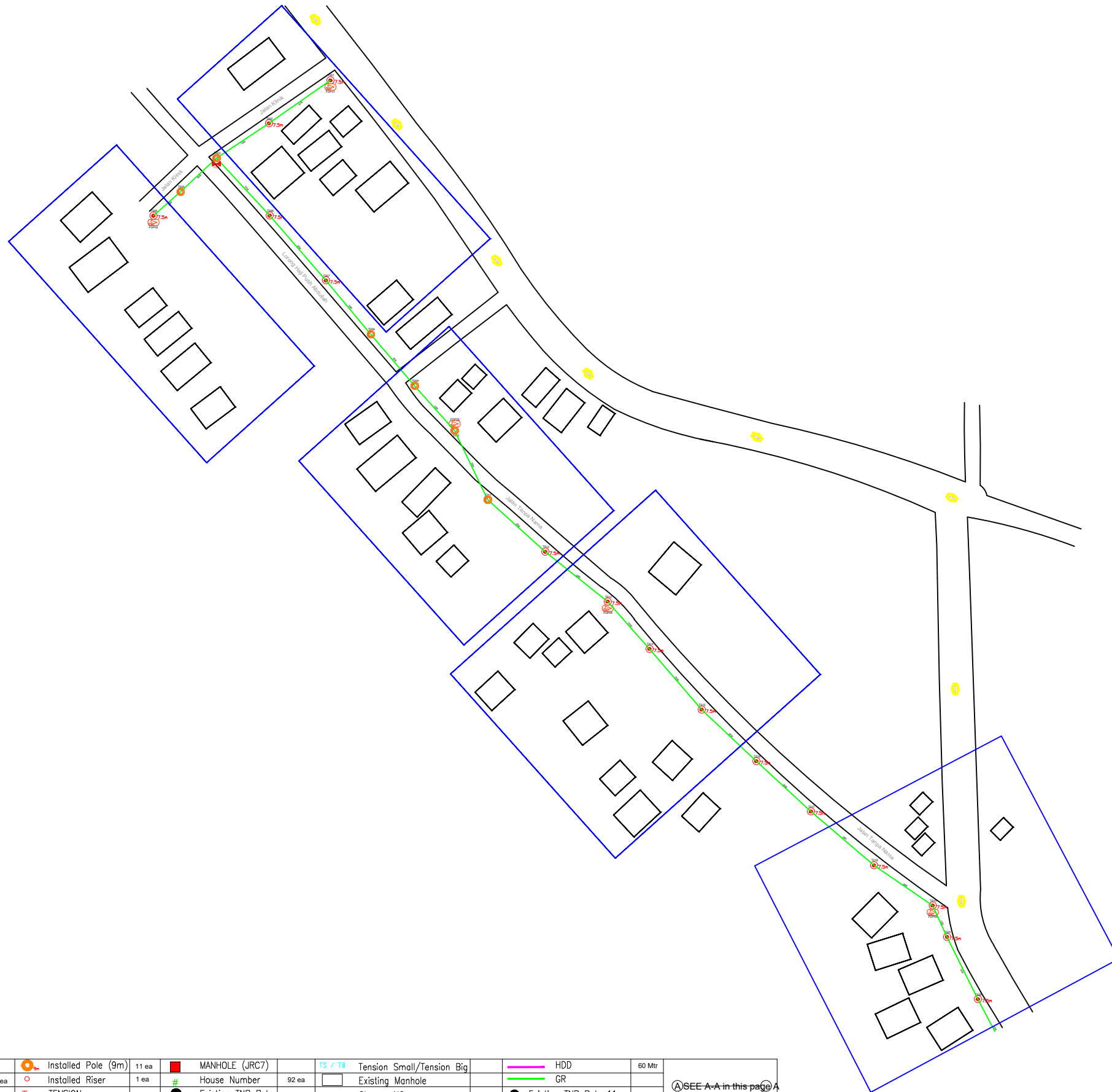
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Size :

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SEKOLAH KEBANGSAAN KARAI



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD	60 Mtr
24C FOC	1405M FDP with (1:8) splitter	Installed Riser	1 ea	# House Number	92 ea	Existing Manhole	GR	
48C FOC	Closure	T TENSION	4 ea	Existing TNB Pole	C01	Closure NO.	Existing TNB Pole 11m	(A)SEE A-A in this page(A)
96C FOC	New Manhole (PIT)	S SUSPENSION	2 ea	LOOP	FDP1	FDP NO.	Existing TNB Pole NO.	(A)SEE SHEET XXX(A)
144C FOC	Installed Pole (7.5M)	FDC	31 ea	FDP Boundary	FDC	FDC NO.	P001 New Pole NO.	

KEY PLAN :

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DRAWING TITLE:

D SIDE- SEKOLAH KEBANGSAAN KARAI

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 27/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

DRAWING NUMBER :

Sheet :

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Size :

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SEKOLAH KEBANGSAAN KARAI



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD	60 Mtr
24C FOC	FDP with (1:8) splitter	Installed Riser	1 ea	House Number	Existing Manhole	GR	
48C FOC	Closure	TENSION		Existing TNB Pole	C01 Closure NO.	Existing TNB Pole 11m	(A)SEE A-A in this page(A)
96C FOC	New Manhole (PIT)	SUSPENSION		LOOP	FDP1 FDP NO.	Existing TNB Pole NO.	(A)SEE SHEET XXX(A)
144C FOC	Installed Pole (7.5M)	FDC	1 ea	FDP Boundary	FDC FDC NO.	P001 New Pole NO.	

KEY PLAN :

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DRAWING TITLE:

D SIDE- SEKOLAH KEBANGSAAN KARAI

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 27/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

DRAWING NUMBER :

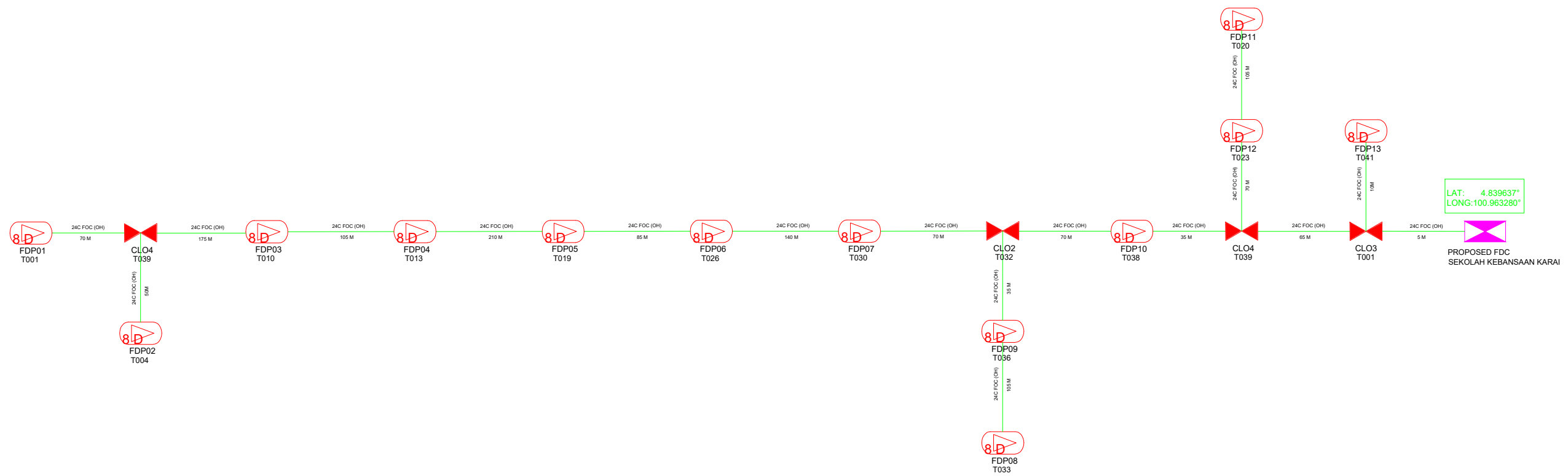
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SEKOLAH KEBANGSAAN KARAI



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD	60 Mtr
24C FOC	FDP with (1:8) splitter	Installed Riser	1 ea	House Number	92 ea	Existing Manhole	GR	
48C FOC	Closure	TENSION	4 ea	Existing TNB Pole		C01 Closure NO.	Existing TNB Pole 11m	(A) SEE A-A in this page (A)
96C FOC	New Manhole (PIT)	SUSPENSION	2 ea	LOOP		FDP1 FDP NO.	Existing TNB Pole NO.	(A) SEE SHEET XXX (A)
144C FOC	Installed Pole (7.5M)	FDC	31 ea	FDP Boundary		FDC FDC NO.	P001 New Pole NO.	

KEY PLAN :

OWNER / DEVELOPER:



MAIN CONTRACTOR:



SUB-CONTRACTOR:



PROJECT TITLE:

PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKMM.400-11/17/132(1))

DRAWING TITLE:

SLD - SEKOLAH KEBANGSAAN KARAI

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 27/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

DRAWING NUMBER :

Sheet :

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Size :

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