

TECHNICAL PROPOSAL

AEA4083-SEKOLAH MENENGAH KEBANGSAAN TEMENGGONG (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 Menengah Kebangsaan Temenggong
Address	:	33020 Kuala Kangsar, Perak.
District	:	Kuala Kangsar
Postcode	:	33020
State	:	Perak
GPS Coordinate	:	4.881959, 100.905078
LRD	:	A

End Point

Site / Boundary Name	:	Kampung Chuar Hulu
Address	:	33020 Kuala Kangsar, Perak.
District	:	Kuala Kangsar
Postcode	:	33020
State	:	Perak
GPS Coordinate	:	4.899451, 100.903906
LRD	:	B

Work Summary

No	Proposed Distance and Method	Unit	Qty
1	Horizontal Directional Drilling (HDD)	m	70
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	2745
2	Proposed Pole	ea	78
3	Proposed Manhole	ea	2
4	Proposed GI Riser 50mm	ea	3
5	Proposed Fiber Distribution Point	ea	13
6	Proposed Joint Closure	ea	7
7	Estimated time required for completion	days	30

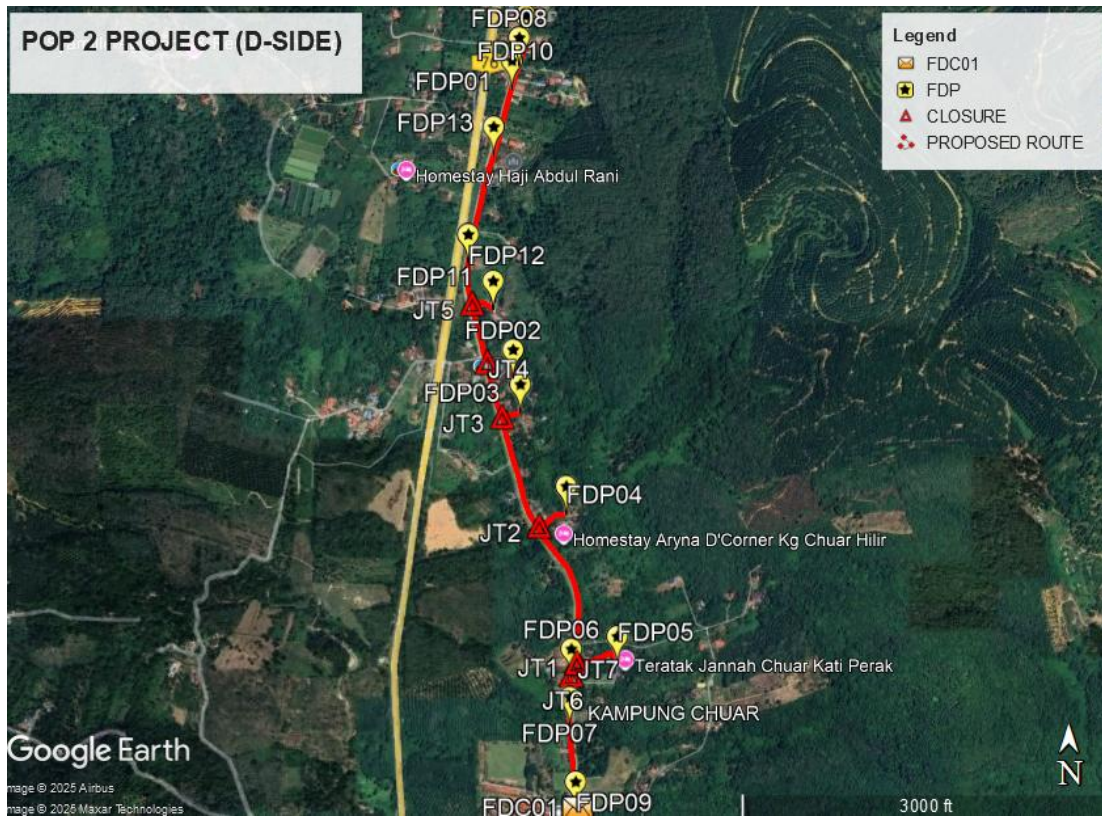
Local Authority Summary

1. Daerah Kuala Muda

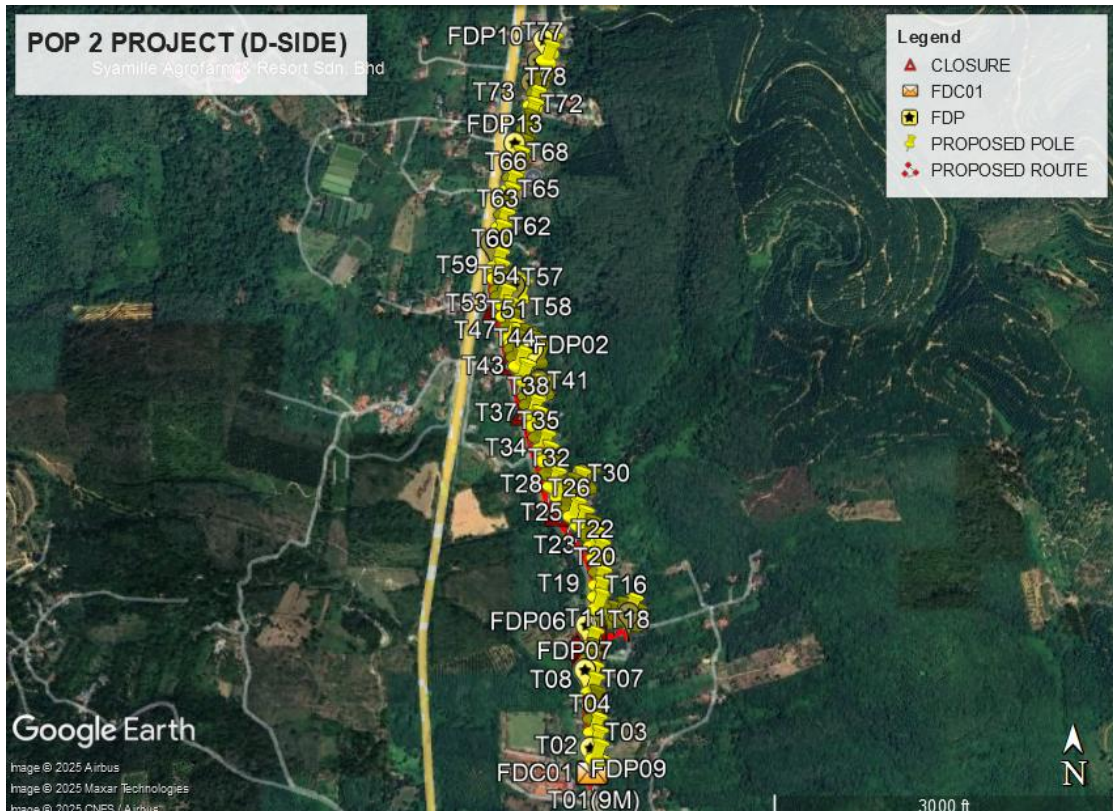
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	1	70m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	64pcs	2185m
		Majlis	14pcs	490m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				2745m

Site Plan – KMZ (Overview site area)

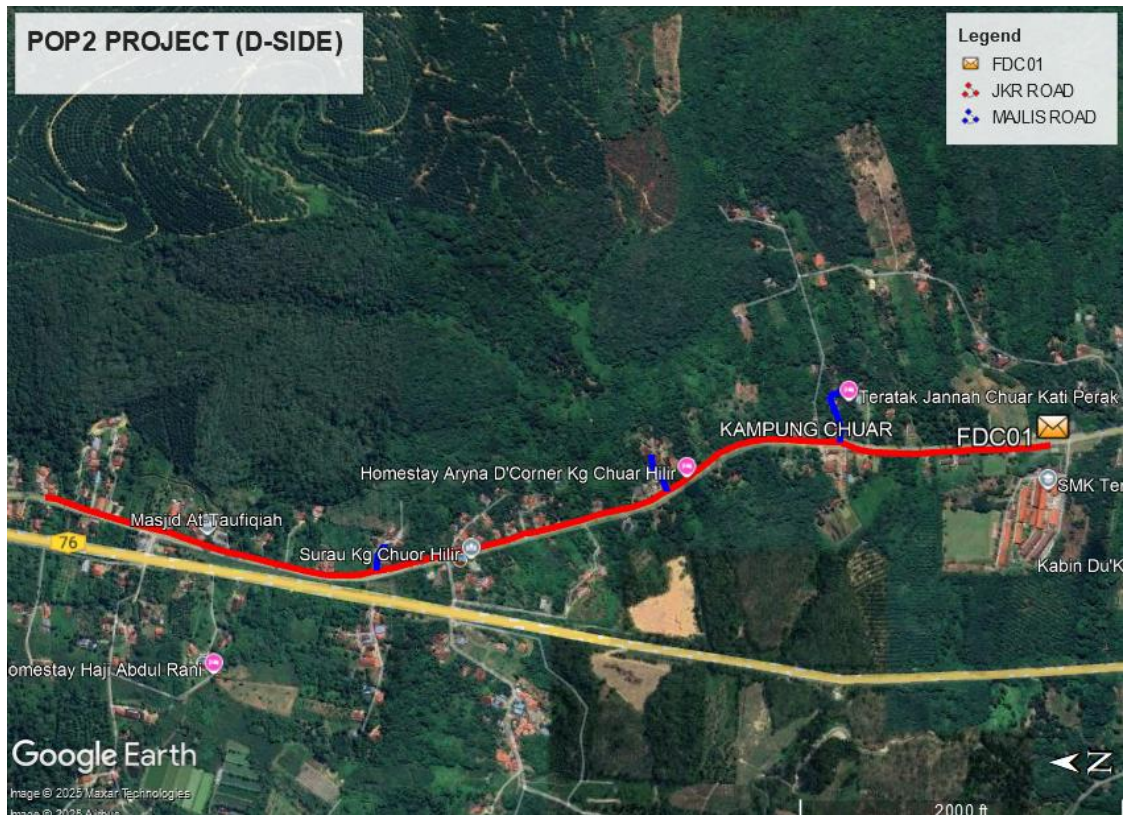
Proposed FDP & Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)

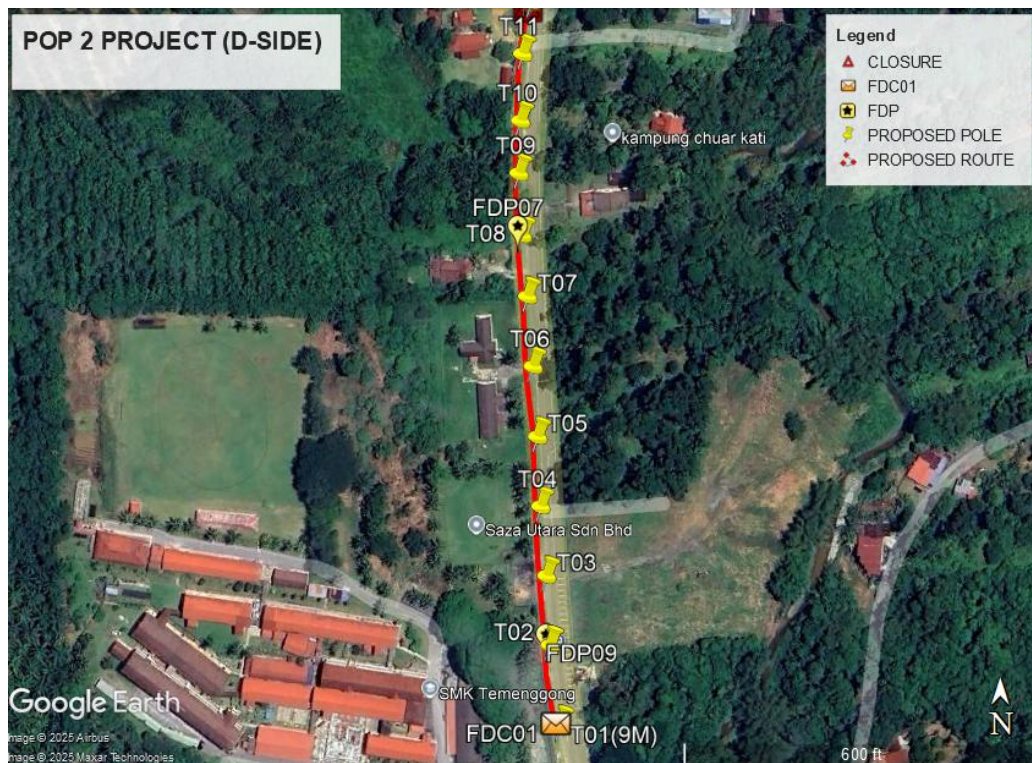
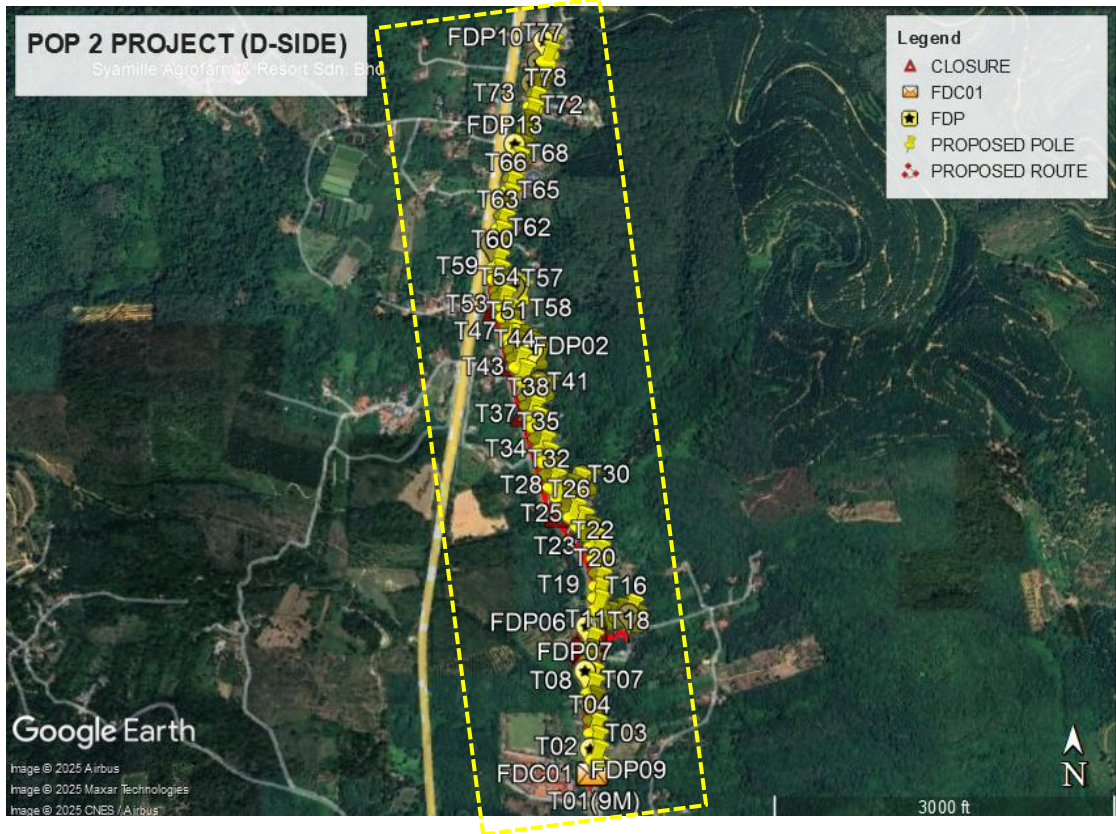


Blue Colour – Majlis Perbandaran Kuala Kangsar

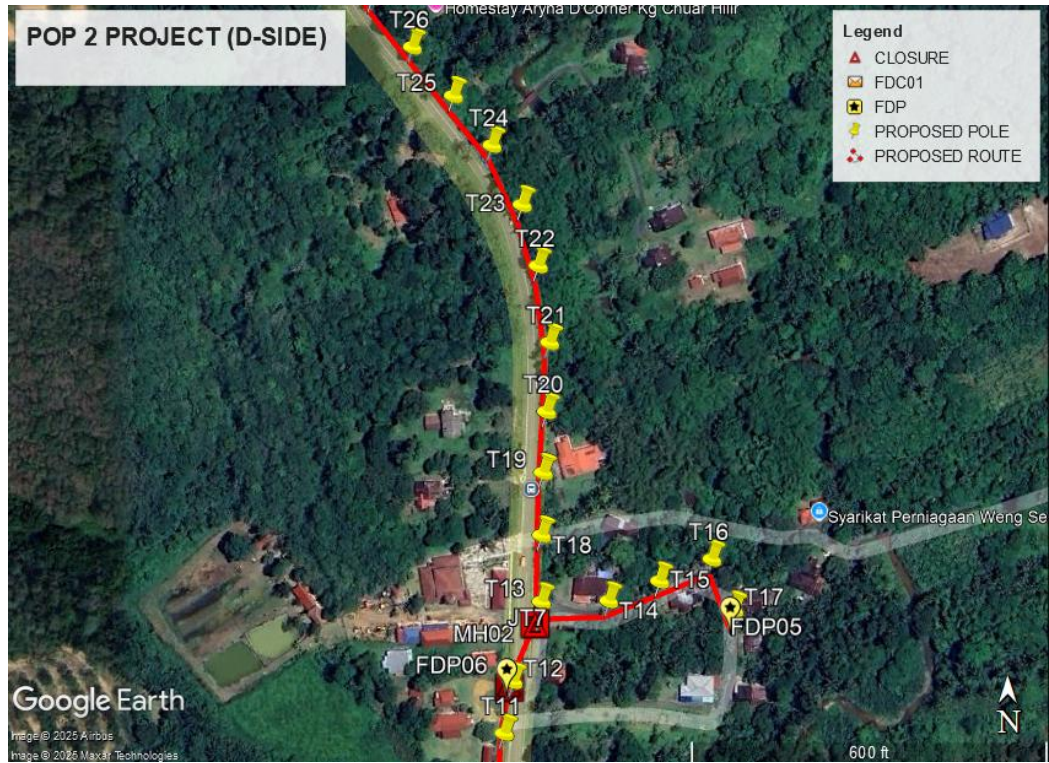
Red Colour – JKR Kuala Kangsar

Site Plan – KMZ Routing (All site area)

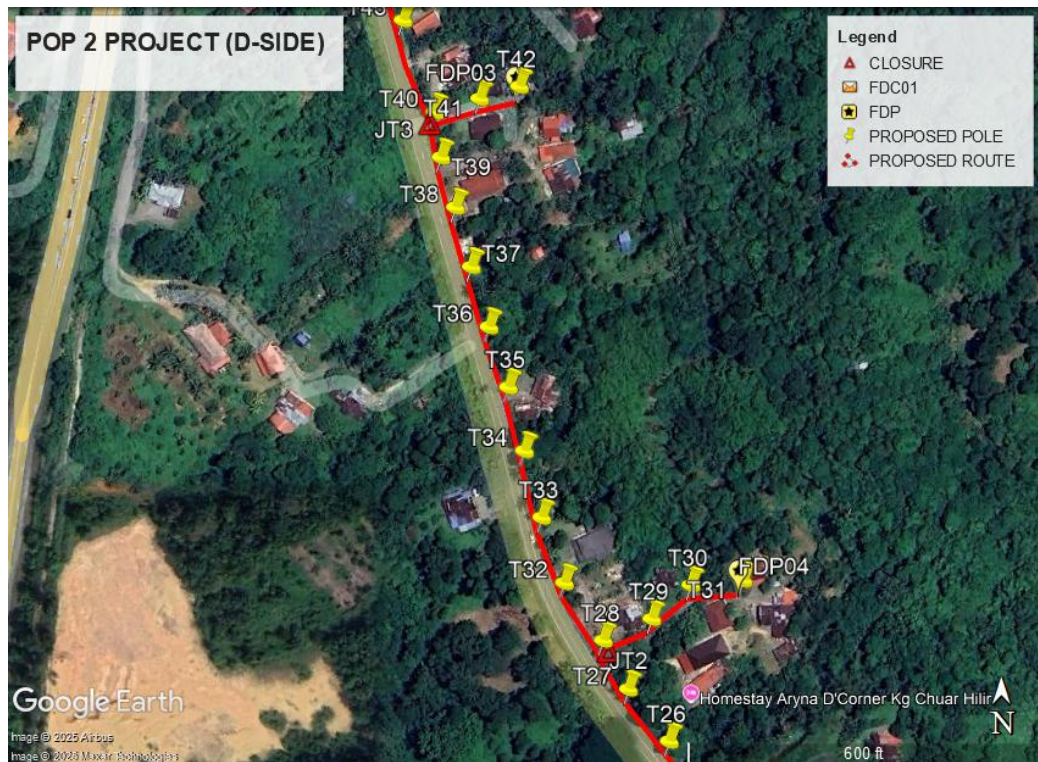
Route 1



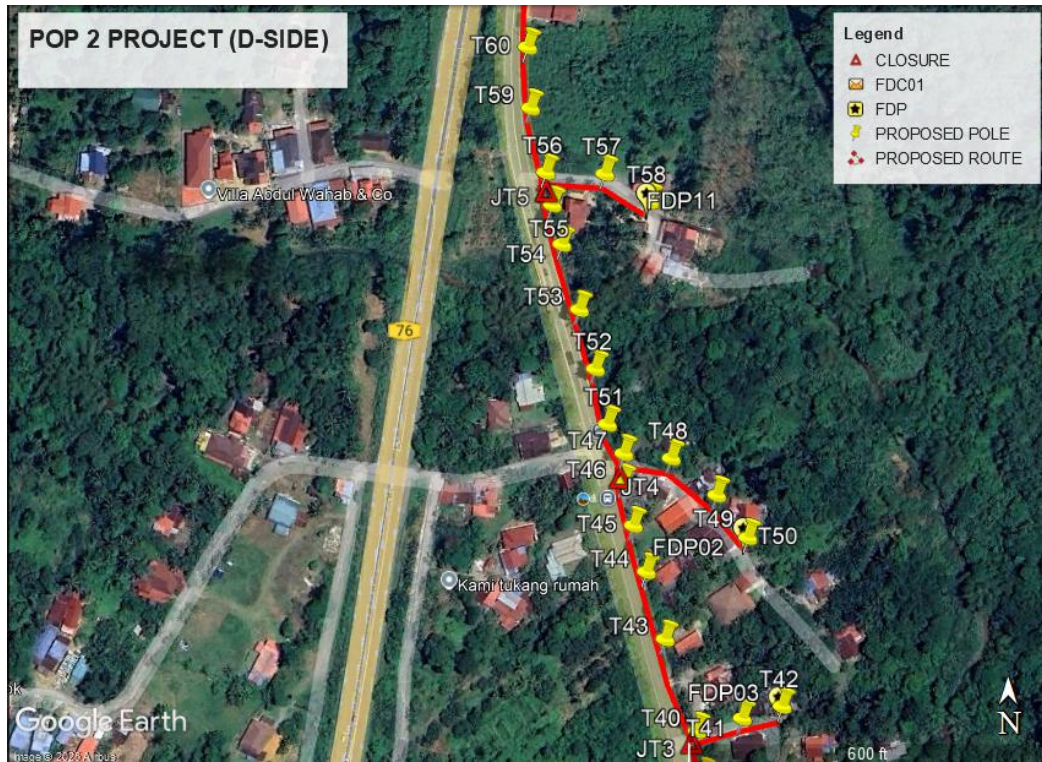
Route 1.1



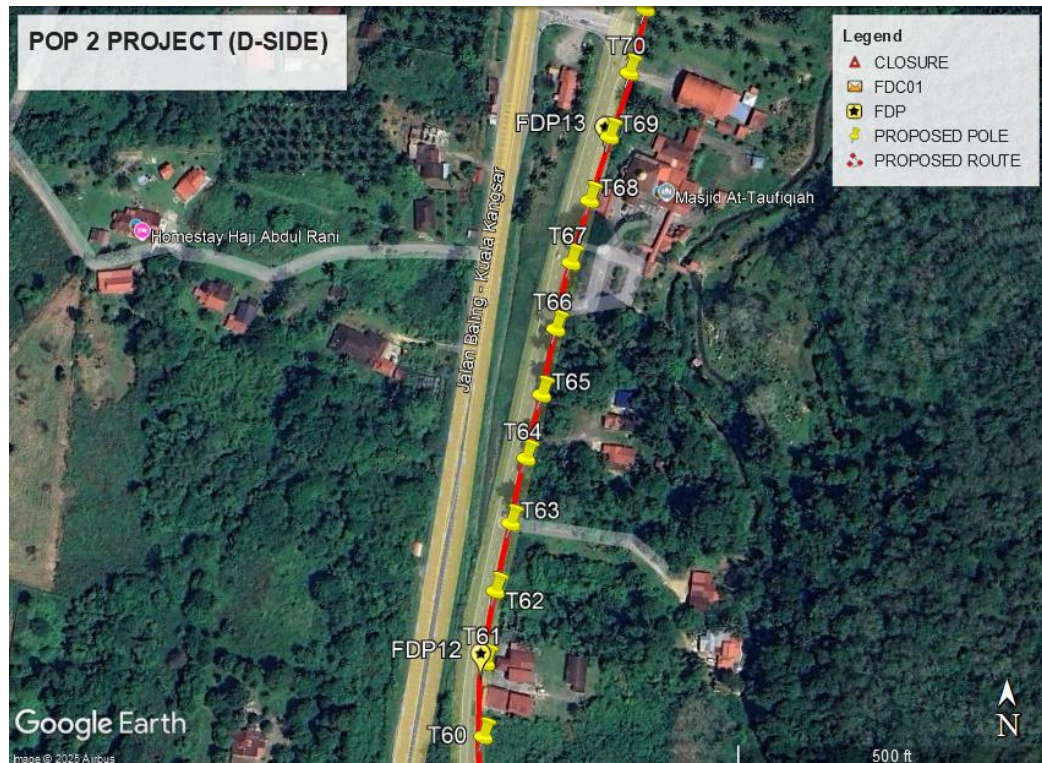
Route 1.2



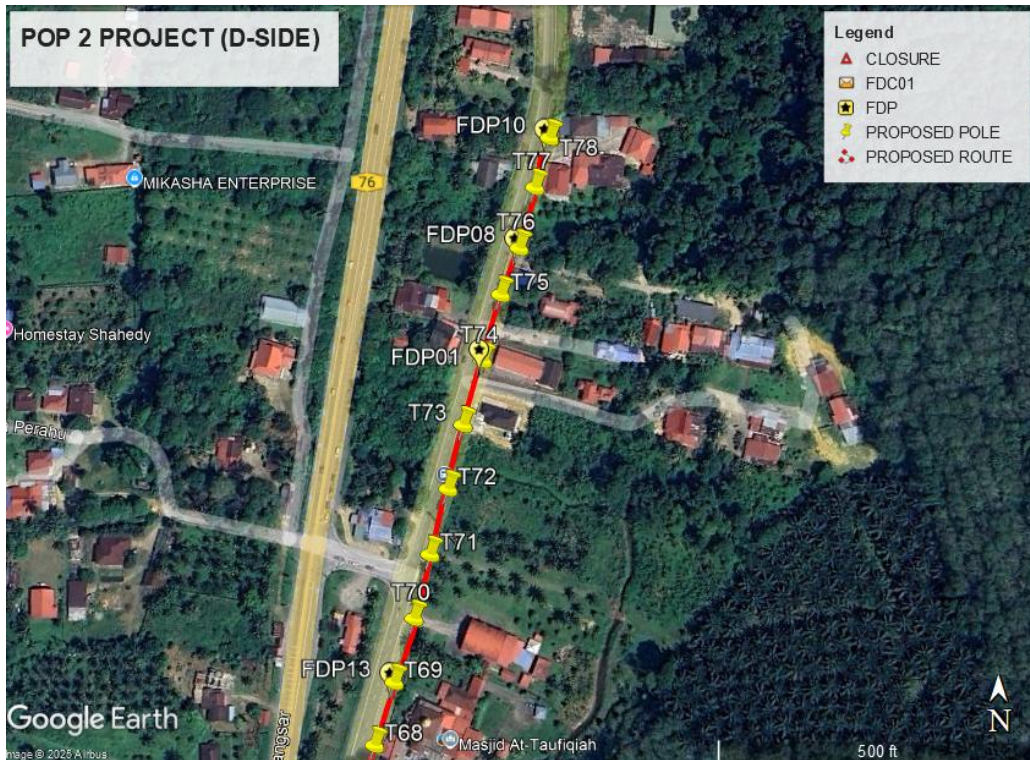
Route 1.3



Route 1.4

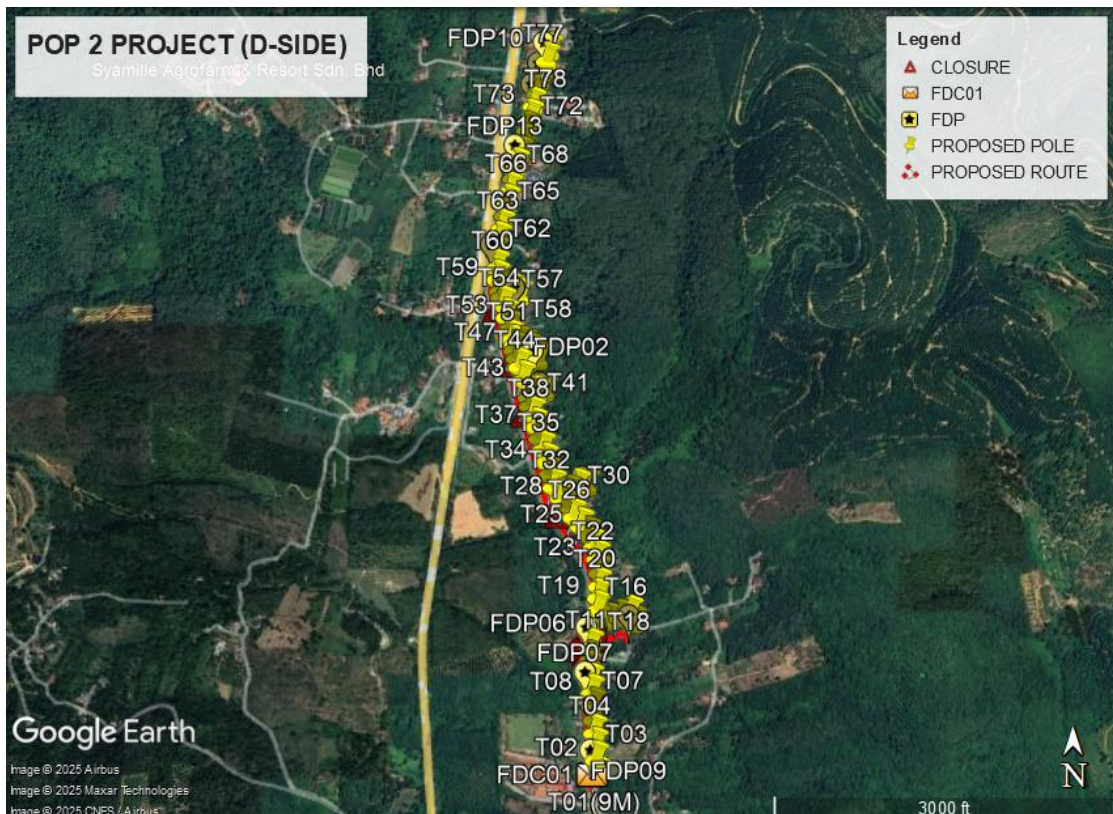


Route 1.5



Route 1.6

Site Plan – KMZ Routing (Proposed New Pole)



Overall Pole (Proposed New)

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	FDC	35	4.881959	100.905078	JKR Kuala Kangsar
2	T001(9M)	35	4.881959	100.905078	JKR Kuala Kangsar
3	T002	35	4.882548	100.905012	JKR Kuala Kangsar
4	T003	35	4.882818	100.904993	JKR Kuala Kangsar
5	T004	35	4.883113	100.904975	JKR Kuala Kangsar
6	T005	35	4.883404	100.904964	JKR Kuala Kangsar
7	T006	35	4.883686	100.904942	JKR Kuala Kangsar
8	T007	35	4.883947	100.904925	JKR Kuala Kangsar
9	T008	35	4.884230	100.904900	JKR Kuala Kangsar
10	T009	35	4.884516	100.904885	JKR Kuala Kangsar
11	T010	35	4.884816	100.904894	JKR Kuala Kangsar
12	T011	5	4.885115	100.904904	JKR Kuala Kangsar
13	T012	35	4.885357	100.904947	JKR Kuala Kangsar
14	T013	35	4.885664	100.905074	JKR Kuala Kangsar
15	T014	35	4.885668	100.905385	Majlis Perbandaran Kuala Kangsar
16	T015	35	4.885760	100.905619	Majlis Perbandaran Kuala Kangsar
17	T016	35	4.885862	100.905858	Majlis Perbandaran Kuala Kangsar
18	T017	35	4.885626	100.905961	Majlis Perbandaran Kuala Kangsar
19	T018	35	4.885971	100.905075	JKR Kuala Kangsar
20	T019	35	4.886259	100.905082	JKR Kuala Kangsar
21	T020	35	4.886539	100.905097	JKR Kuala Kangsar
22	T021	35	4.886856	100.905111	JKR Kuala Kangsar
23	T022	35	4.887208	100.905059	JKR Kuala Kangsar
24	T023	35	4.887487	100.904985	JKR Kuala Kangsar
25	T024	35	4.887757	100.904847	JKR Kuala Kangsar
26	T025	35	4.887982	100.904670	JKR Kuala Kangsar
27	T026	35	4.888207	100.904481	JKR Kuala Kangsar
28	T027	35	4.888440	100.904295	JKR Kuala Kangsar
29	T028	35	4.888666	100.904179	JKR Kuala Kangsar
30	T029	35	4.888762	100.904406	Majlis Perbandaran Kuala Kangsar
31	T030	35	4.888921	100.904586	Majlis Perbandaran Kuala Kangsar
32	T031	35	4.888948	100.904823	Majlis Perbandaran Kuala Kangsar
33	T032	35	4.888933	100.903998	JKR Kuala Kangsar

Overall Pole (Proposed New)

34	T033	35	4.889239	100.903892	JKR Kuala Kangsar
35	T034	35	4.889548	100.903812	JKR Kuala Kangsar
36	T035	35	4.889837	100.903739	JKR Kuala Kangsar
37	T036	35	4.890114	100.903650	JKR Kuala Kangsar
38	T037	35	4.890392	100.903567	JKR Kuala Kangsar
39	T038	35	4.890668	100.903493	JKR Kuala Kangsar
40	T039	35	4.890899	100.903426	JKR Kuala Kangsar
41	T040	35	4.891106	100.903399	JKR Kuala Kangsar
42	T041	35	4.891167	100.903606	Majlis Perbandaran Kuala Kangsar
43	T042	35	4.891222	100.903789	Majlis Perbandaran Kuala Kangsar
44	T043	35	4.891529	100.903251	JKR Kuala Kangsar
45	T044	35	4.891838	100.903165	JKR Kuala Kangsar
46	T045	35	4.892051	100.903105	JKR Kuala Kangsar
47	T046	35	4.892247	100.903056	JKR Kuala Kangsar
48	T047	35	4.892381	100.903060	JKR Kuala Kangsar
49	T048	35	4.892360	100.903277	Majlis Perbandaran Kuala Kangsar
50	T049	35	4.892191	100.903487	Majlis Perbandaran Kuala Kangsar
51	T050	35	4.891995	100.903631	Majlis Perbandaran Kuala Kangsar
52	T051	35	4.892516	100.902984	JKR Kuala Kangsar
53	T052	35	4.892768	100.902929	JKR Kuala Kangsar
54	T053	35	4.893041	100.902857	JKR Kuala Kangsar
55	T054	35	4.893343	100.902777	JKR Kuala Kangsar
56	T055	35	4.893524	100.902732	JKR Kuala Kangsar
57	T056	35	4.893670	100.902702	JKR Kuala Kangsar
58	T057	35	4.893662	100.902974	Majlis Perbandaran Kuala Kangsar
59	T058	35	4.893533	100.903179	Majlis Perbandaran Kuala Kangsar
60	T059	35	4.893957	100.902632	JKR Kuala Kangsar
61	T060	35	4.894231	100.902618	JKR Kuala Kangsar
62	T061	35	4.894566	100.902628	JKR Kuala Kangsar
63	T062	35	4.894890	100.902673	JKR Kuala Kangsar
64	T063	35	4.895197	100.902744	JKR Kuala Kangsar
65	T064	35	4.895497	100.902814	JKR Kuala Kangsar
66	T065	35	4.895788	100.902886	JKR Kuala Kangsar



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))

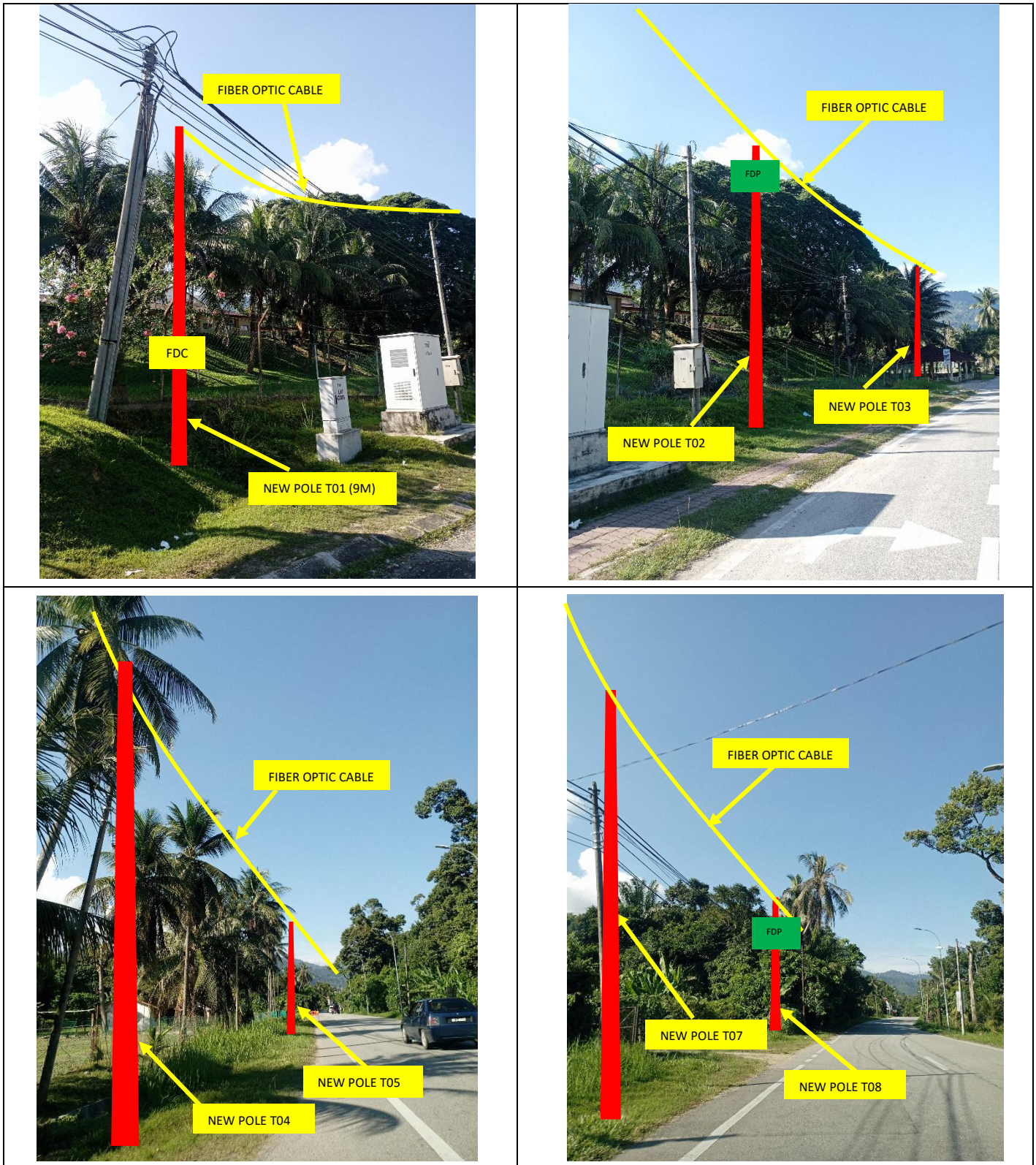


Overall Pole (Proposed New)

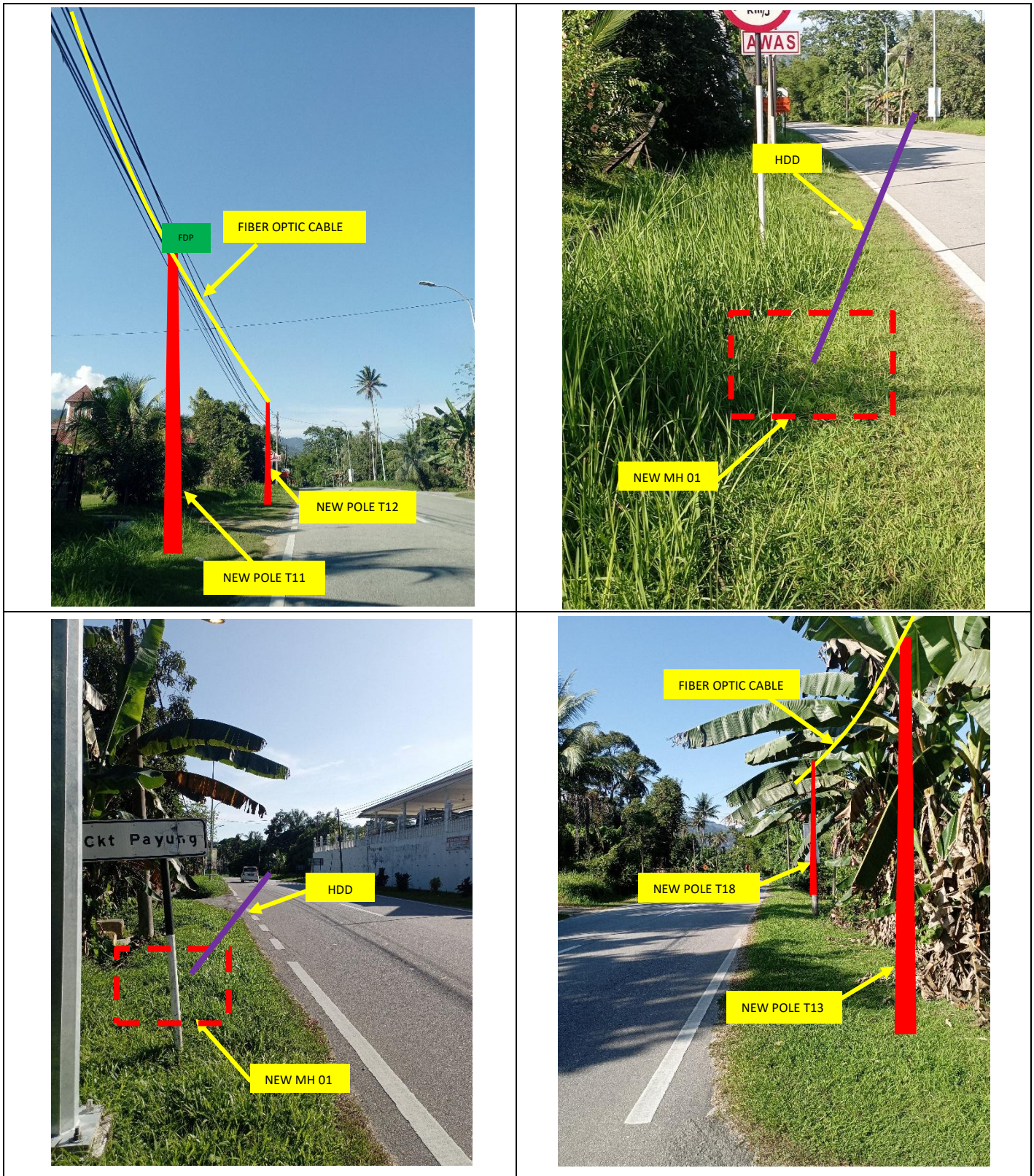
67	T066	35	4.896088	100.902950	JKR Kuala Kangsar
68	T067	35	4.896392	100.903020	JKR Kuala Kangsar
69	T068	35	4.896676	100.903106	JKR Kuala Kangsar
70	T069	35	4.896965	100.903197	JKR Kuala Kangsar
71	T070	35	4.897257	100.903288	JKR Kuala Kangsar
72	T071	35	4.897550	100.903361	JKR Kuala Kangsar
73	T072	35	4.897849	100.903443	JKR Kuala Kangsar
74	T073	35	4.898141	100.903512	JKR Kuala Kangsar
75	T074	35	4.898436	100.903602	JKR Kuala Kangsar
76	T075	35	4.898738	100.903684	JKR Kuala Kangsar
77	T076	35	4.898949	100.903769	JKR Kuala Kangsar
78	T077	35	4.899227	100.903841	JKR Kuala Kangsar
79	T078	35	4.899455	100.903910	JKR Kuala Kangsar

Bil	Type	7.5m	9.0m	Total
1	No. of Pole	77	1	78

Site Photos – Proposed to install pole



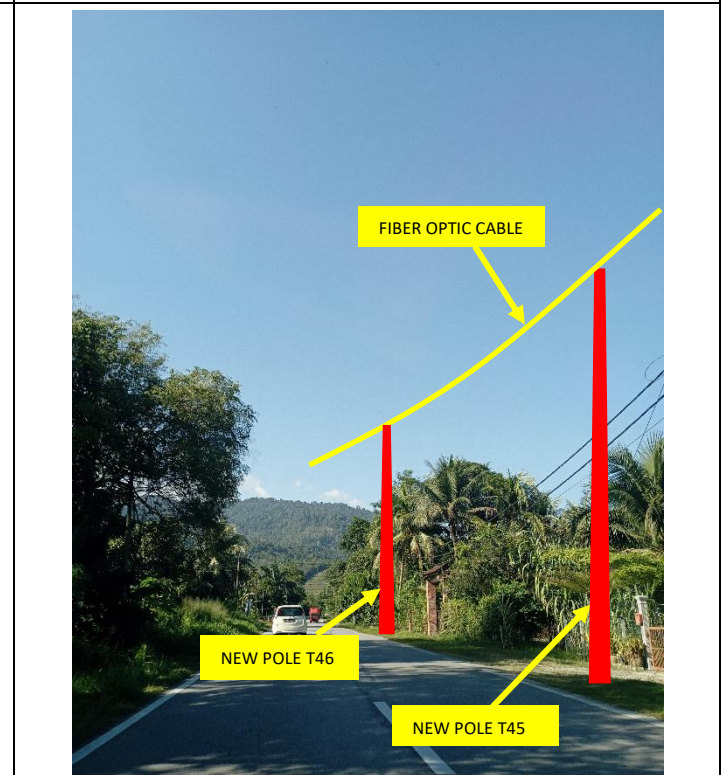
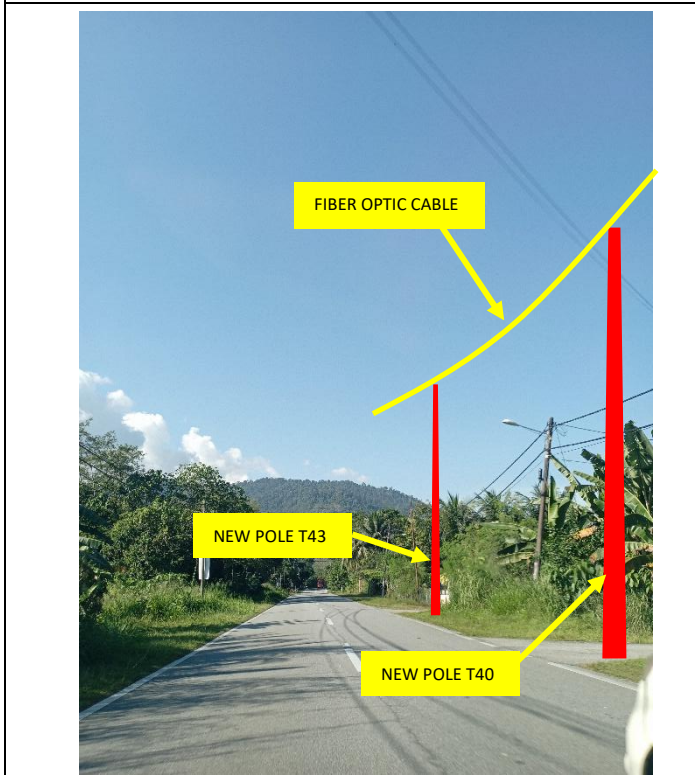
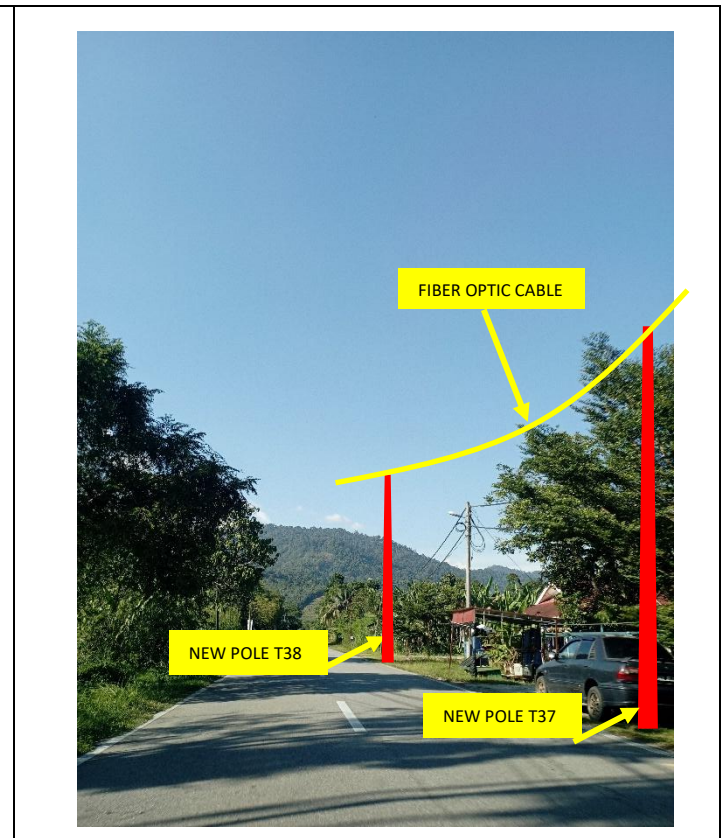
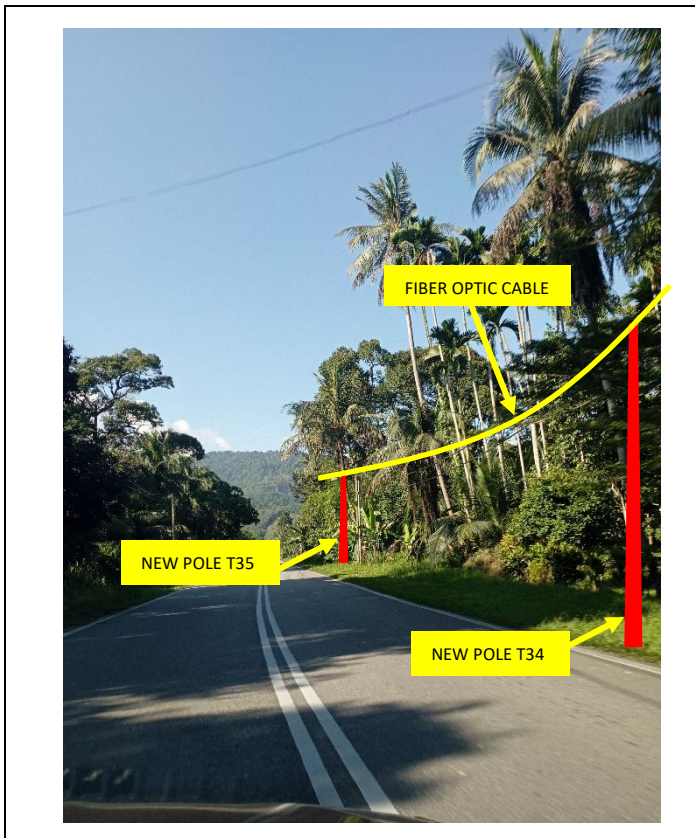
Site Photos – Proposed to install pole



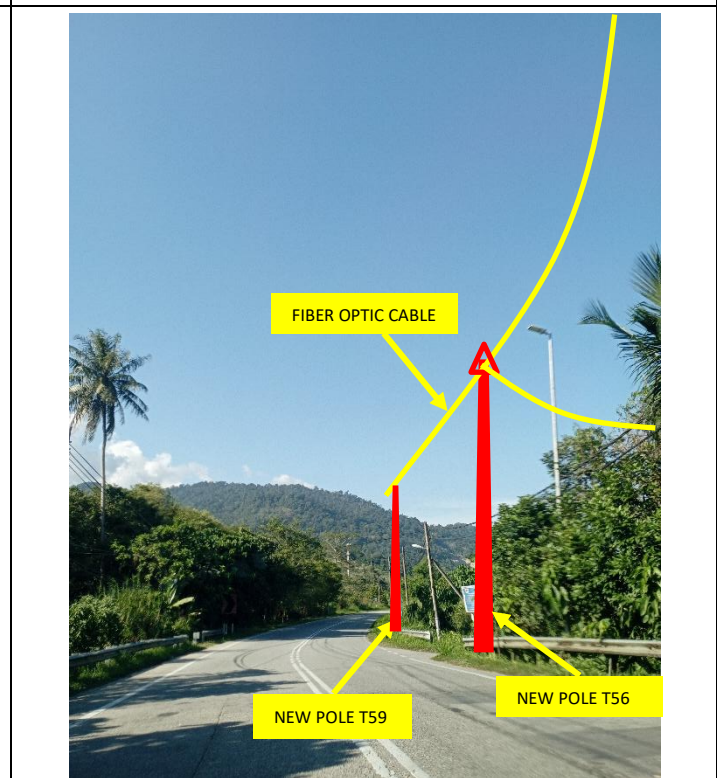
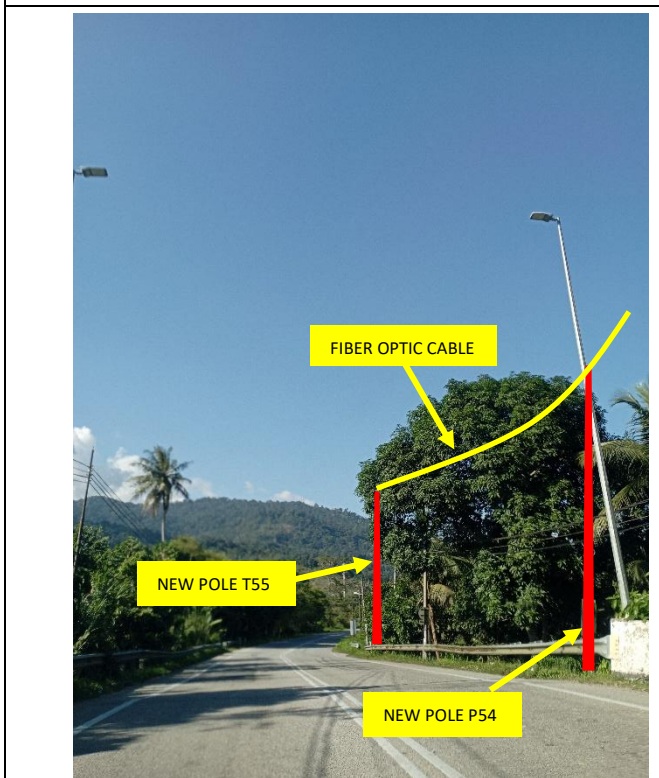
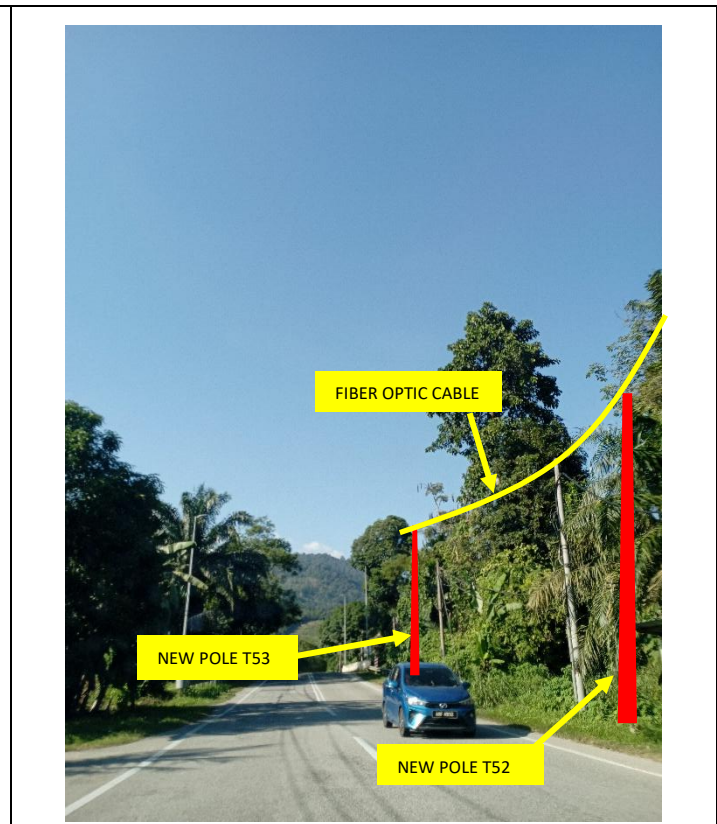
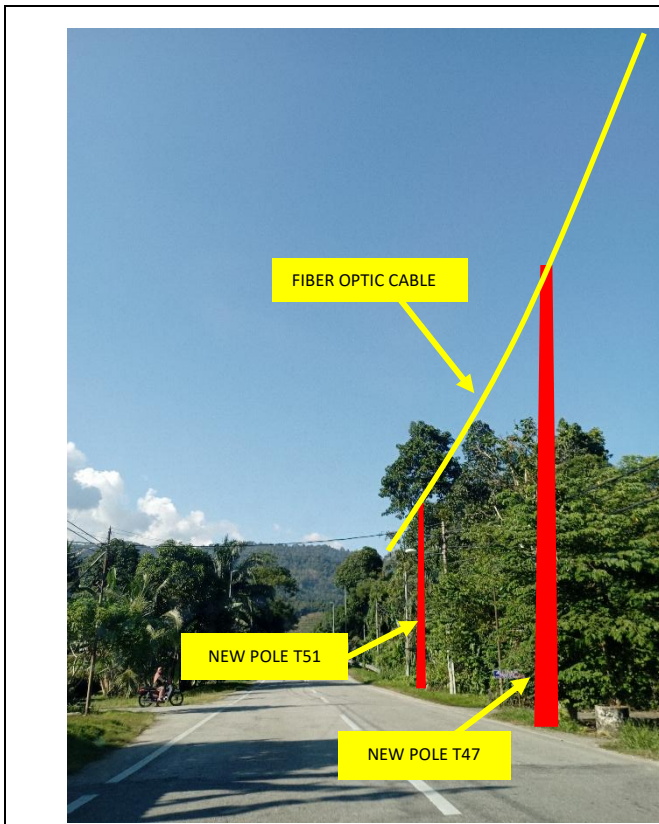
Site Photos – Proposed to install pole



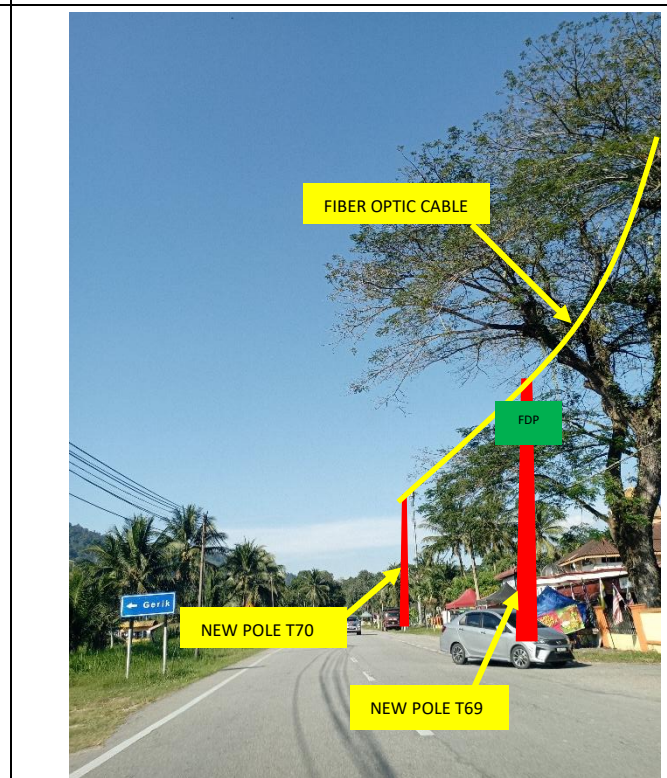
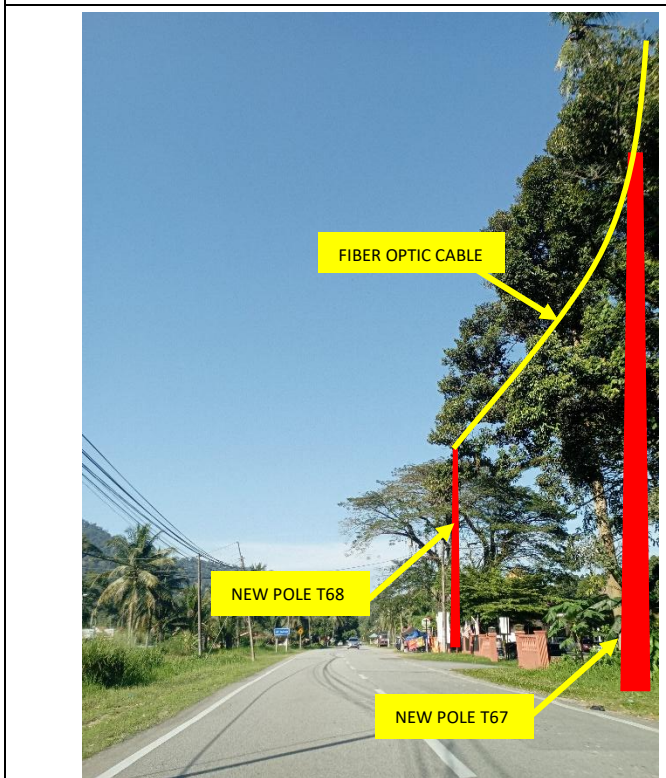
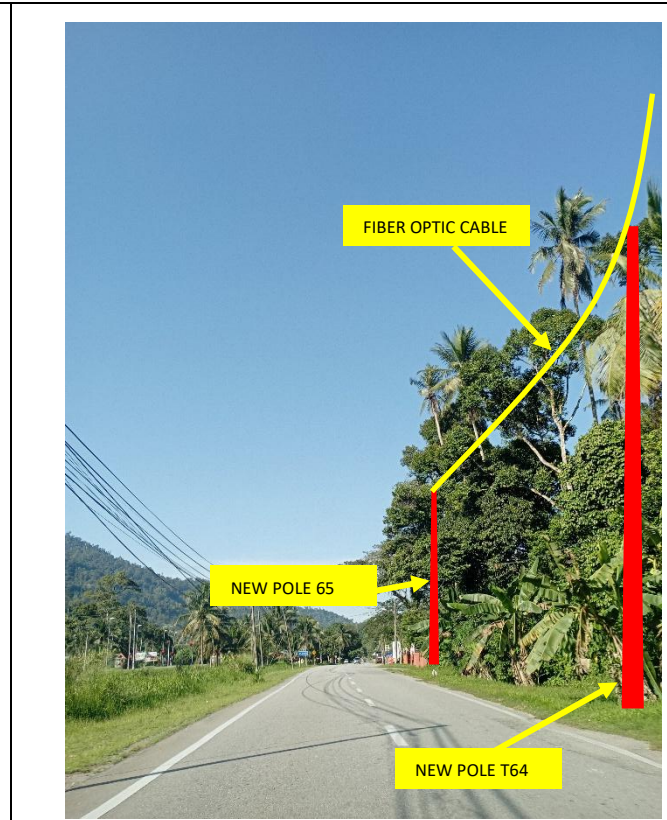
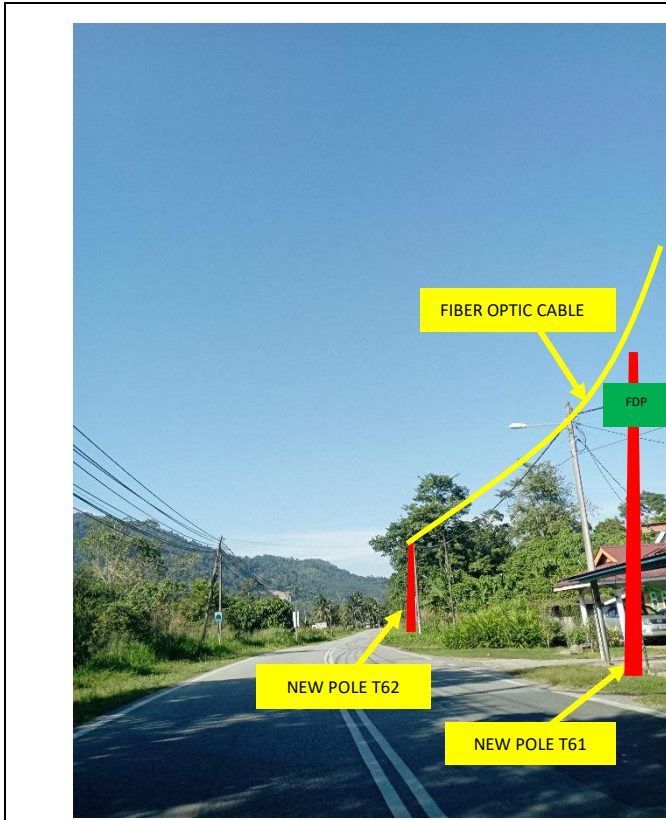
Site Photos – Proposed to install pole



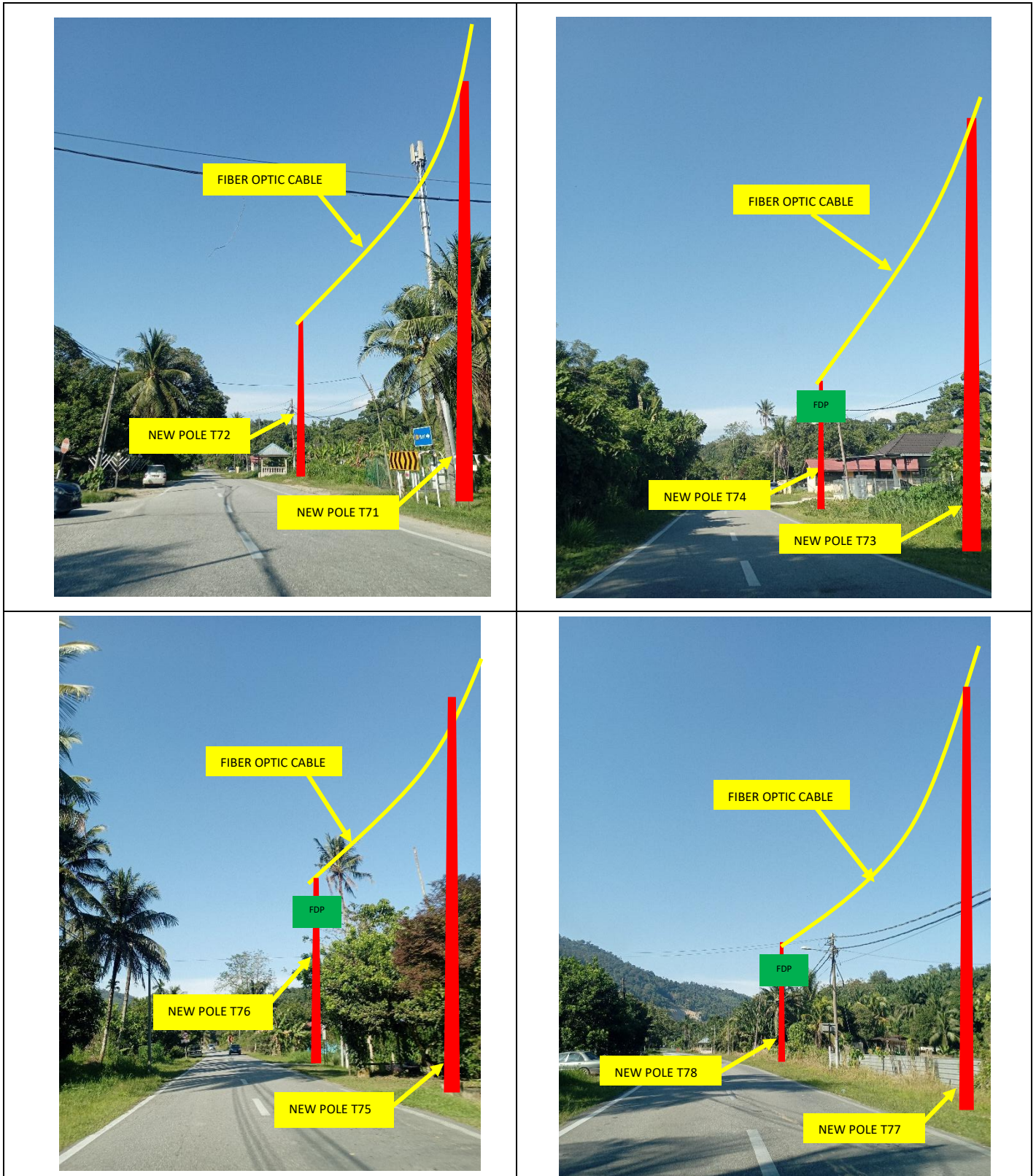
Site Photos – Proposed to install pole



Site Photos – Proposed to install pole



Site Photos – Proposed to install pole



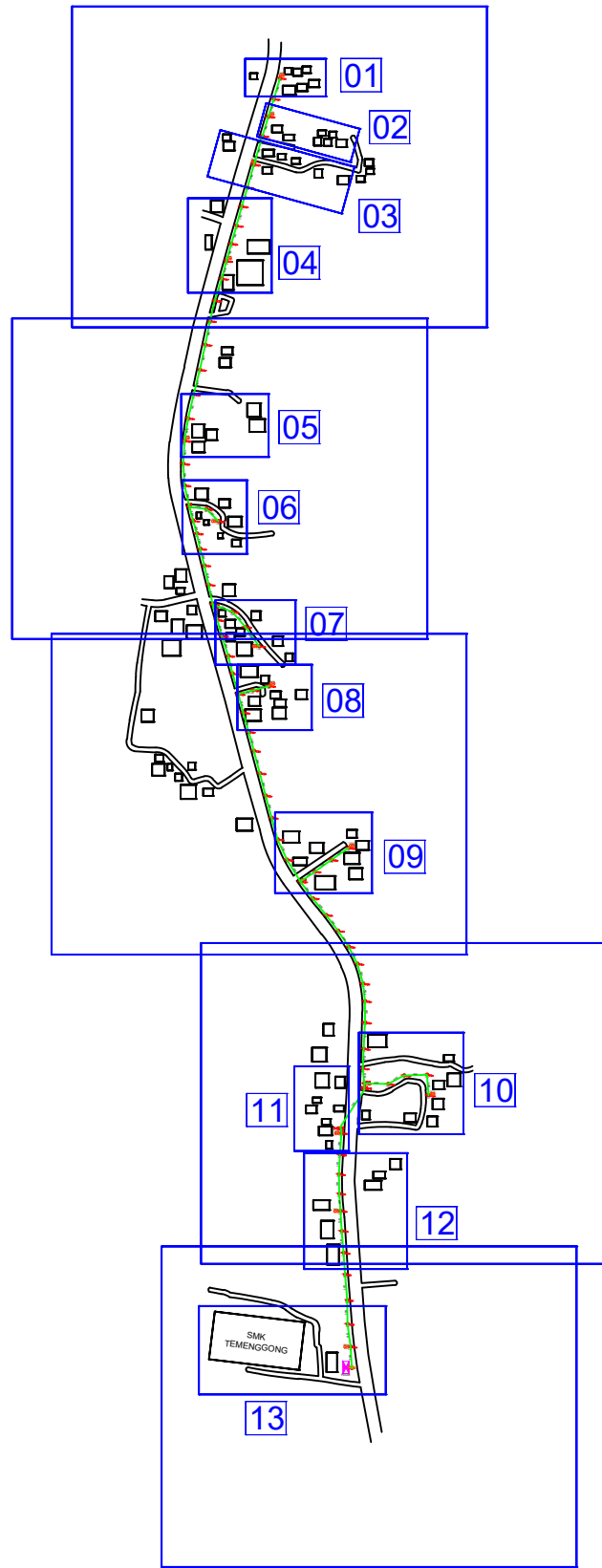
Site Photos – Proposed to install pole



3rd Parties Dependencies

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

SMK TEMENGGONG



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	1 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD	
24C FOC	FDP with (1:8) splitter	Installed Riser	3 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 X/XX(A)
144C FOC	Installed Pole (7.5M)	FDC	1 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:

D-SIDE - SMK TEMENGGONG

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 20/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

DRAWING NUMBER :

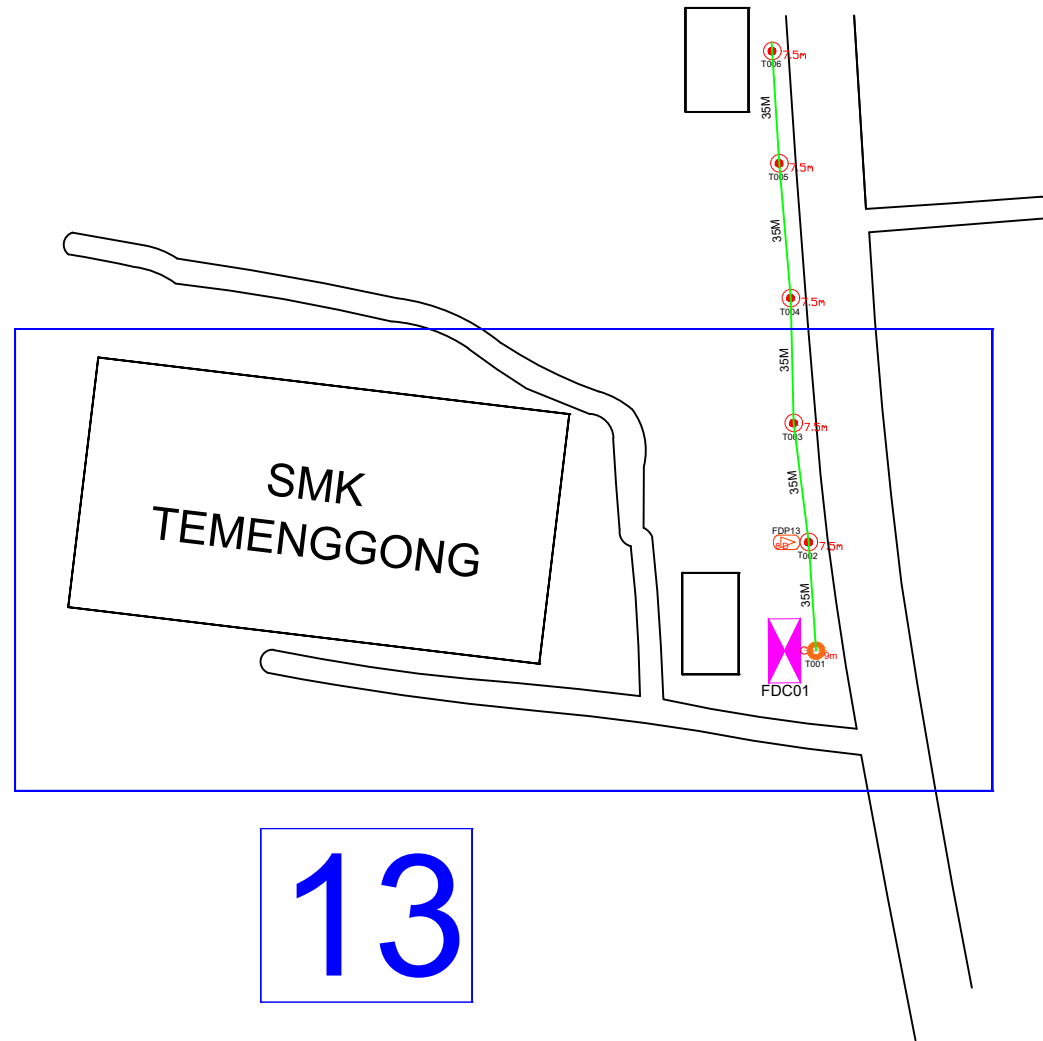
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Size :

A3

SMK TEMENGGONG



LEGEND

12C FOC	Installed 1:8 splitter in FDC	13 ea	Installed Pole (9m)	1 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD	
24C FOC	FDP with (1:8) splitter	13 ea	Installed Riser	3 ea	House Number	Existing Manhole	GR	
48C FOC	Closure	7 ea	TENSION		Existing TNB Pole	C01 Closure NO.	Existing TNB Pole 11m	(A)SEE A-A in this page (A)
96C FOC	New Manhole (PIT)	2 ea	SUSPENSION		LOOP	FDP1 FDP NO.	Existing TNB Pole NO.	(A)SEE SHEET XXX (A)
144C FOC	Installed Pole (7.5M)	77 ea	FDC	1 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:

D-SIDE - SMK TEMENGGONG

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 20/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

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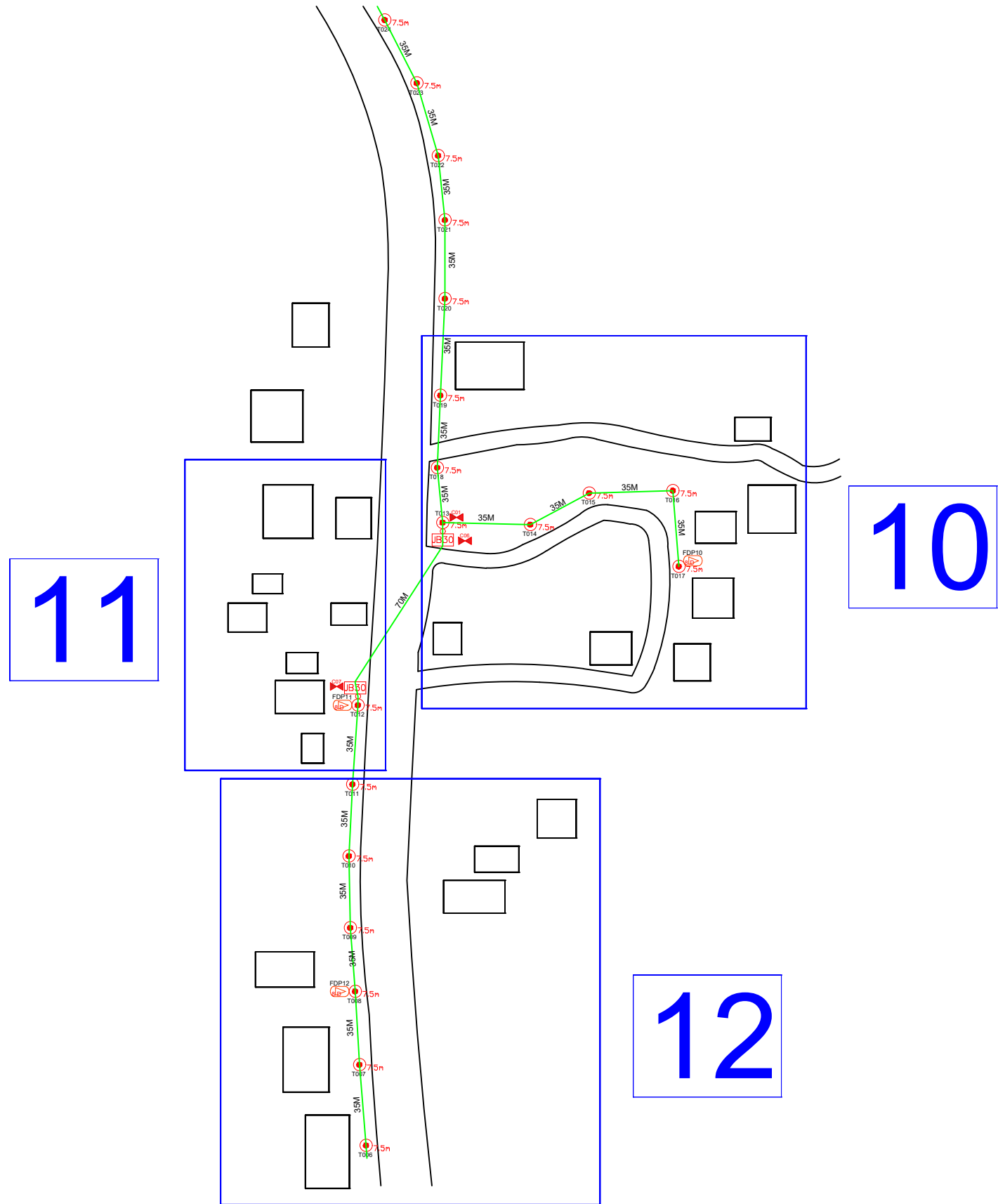
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Size :

A3

SMK TEMENGGONG



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	1 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD	
24C FOC	FDP with (1:8) splitter	Installed Riser	3 ea	House Number		Existing Manhole	GR	
48C FOC	Closure	TENSION	7 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 X/XX(A)
144C FOC	Installed Pole (7.5M)	FDC	77 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 BERHAMPARAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKMM.400-11/17/132(1))

DRAWING TITLE:

D-SIDE - SMK TEMENGGONG

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 20/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

DRAWING NUMBER :

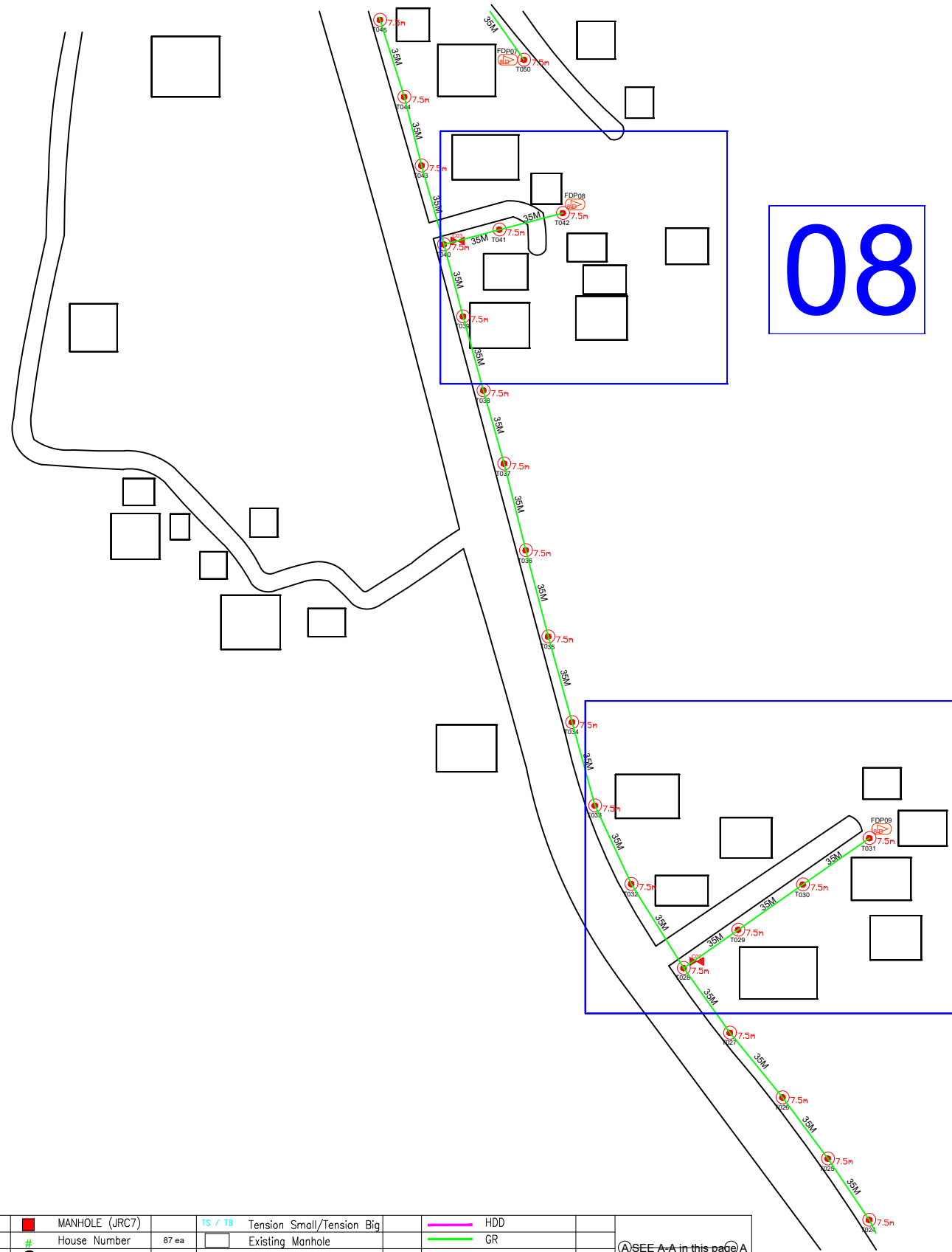
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SMK TEMENGGONG



08

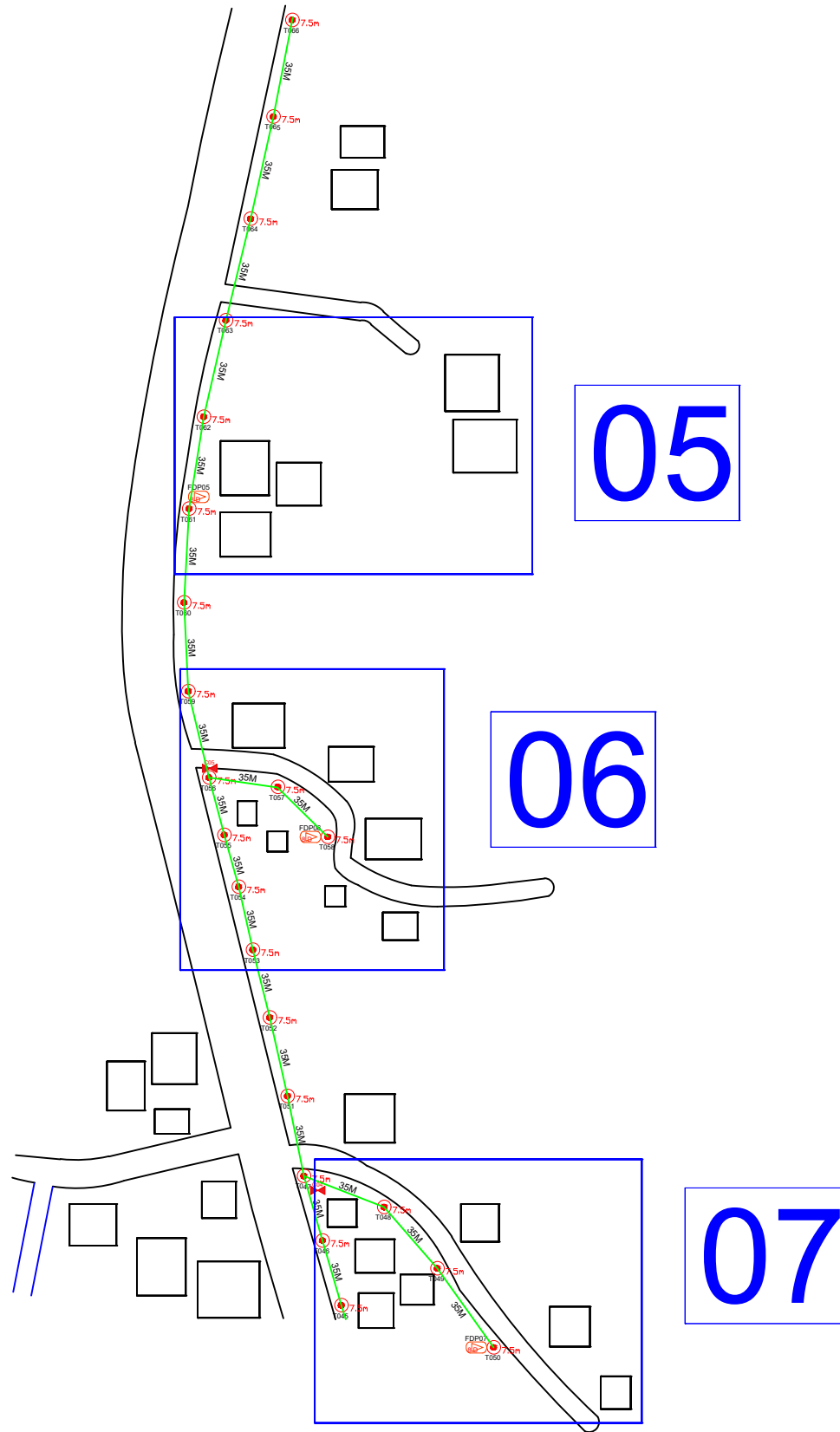
09

LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	1 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD
24C FOC	FDP with (1:8) splitter	Installed Riser	3 ea	House Number	Existing Manhole	GR
48C FOC	Closure	TENSION	7 ea	Existing TNB Pole	C01 Closure NO.	Existing TNB Pole 11m
96C FOC	New Manhole (PIT)	SUSPENSION	2 ea	LOOP	FDP1 FDP NO.	Existing TNB Pole NO.
144C FOC	Installed Pole (7.5M)	FDC	77 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 BERHAMPPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKMM.400-11/17/132(1))	DRAWING TITLE: D-SIDE - SMK TEMENGGONG	Design By : REZQ INFINITY Date : 20/01/2025
					PROJECT PHASE: PROPOSED DRAWING	Drawn By : REZQ INFINITY Scale : NOT TO SCALE
						Checked By : Job Number : REV00
						DRAWING NUMBER : Sheet : 4/7 Size : A3

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LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	1 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD	
24C FOC	FDP with (1:8) splitter	Installed Riser	3 ea	House Number	87 ea	Existing Manhole	GR	
48C FOC	Closure	TENSION	7 ea	Existing TNB Pole	C01	Closure NO.	Existing TNB Pole 11m	SEE A-A in this page
96C FOC	New Manhole (PIT)	SUSPENSION	2 ea	LOOP	FDP1	FDP NO.	Existing TNB Pole NO.	SEE SHEET XXX
144C FOC	Installed Pole (7.5M)	FDC	77 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))

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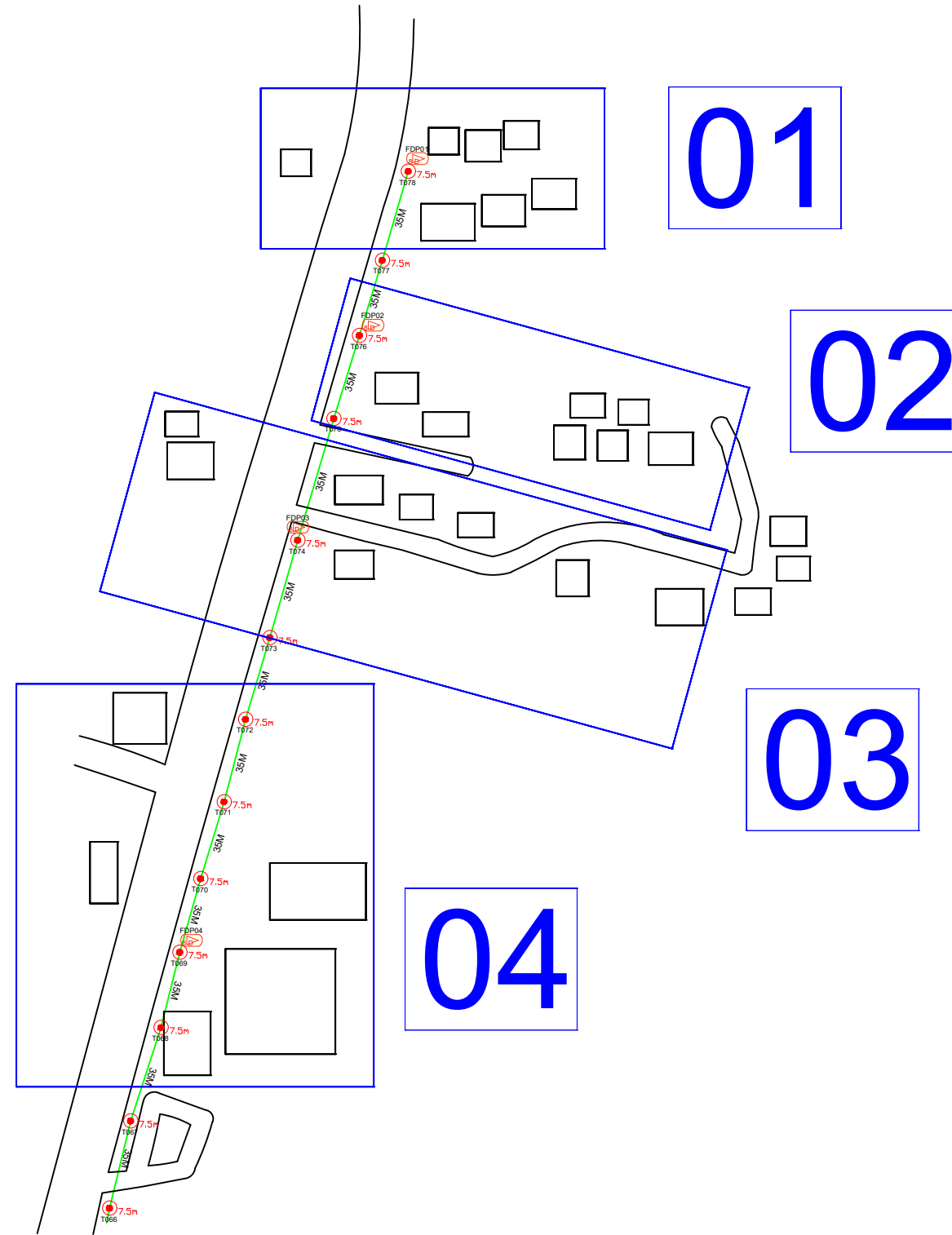
D-SIDE - SMK TEMENGGONG

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY	Date : 20/01/2025
Drawn By : REZQ INFINITY	Scale : NOT TO SCALE
Checked By :	Job Number : REV00
DRAWING NUMBER :	Sheet : 5/7
	Size : A3

SMK TEMENGGONG



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	1 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD
24C FOC	FDP with (1:8) splitter	Installed Riser	3 ea	House Number	Existing Manhole	GR	
48C FOC	Closure	TENSION	7 ea	Existing TNB Pole	C01	Closure NO.	Existing TNB Pole 11m
96C FOC	New Manhole (PIT)	SUSPENSION	2 ea	LOOP	FDP1	FDP NO.	Existing TNB Pole NO.
144C FOC	Installed Pole (7.5M)	FDC	77 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:

D-SIDE - SMK TEMENGGONG

PROJECT PHASE:

PROPOSED DRAWING

Design By : REZQ INFINITY

Date : 20/01/2025

Drawn By : REZQ INFINITY

Scale : NOT TO SCALE

Checked By :

Job Number : REV00

DRAWING NUMBER :

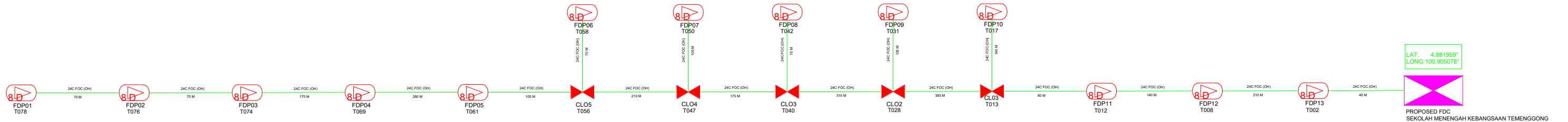
Sheet :

6/7

Size :

A3

SMK TEMENGGONG



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	1 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD
24C FOC	FDP with (1:8) splitter	Installed Riser	3 ea	House Number	87 ea	Existing Manhole	GR
48C FOC	Closure	TENSION	7 ea	Existing TNB Pole	C01	Closure NO.	Existing TNB Pole 11m
96C FOC	New Manhole (PIT)	SUSPENSION	2 ea	LOOP	FDP1	FDP NO.	Existing TNB Pole NO.
144C FOC	Installed Pole (7.5M)	FDC	77 ea	FDP Boundary	FDC	FDC NO.	New Pole NO.

KEY PLAN :	OWNER / DEVELOPER:	MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE:	DRAWING TITLE:	Design By : REZQ INFINITY	Date : 20/01/2025
				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))	SLD - SMK TEMENGGONG	Drawn By : REZQ INFINITY Checked By :	Scale : NOT TO SCALE Job Number : REV00
				PROJECT PHASE:	PROPOSED DRAWING	DRAWING NUMBER :	Sheet : 7/7 Size : A3