

TECHNICAL PROPOSAL

ABD4114-SEKOLAH JENIS KEBANGSAAN (TAMIL) LADANG PERAK RIVER VALLEY (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 Jenis Kebangsaan (Tamil) Ladang Perak River Valley
Address	:	33700 Padang Rengas, Perak.
District	:	Kuala Kangsar
Postcode	:	33700
State	:	Perak
GPS Coordinate	:	4.788428, 100.872935
LRD	:	A

End Point

Site / Boundary Name	:	Kampung Lembah
Address	:	33700 Padang Rengas, Perak.
District	:	Kuala Kangsar
Postcode	:	33700
State	:	Perak
GPS Coordinate	:	4.780809, 100.864567
LRD	:	B

Work Summary

No	Proposed Distance and Method	Unit	Qty
1	Horizontal Directional Drilling (HDD)	m	0
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	3425
2	Proposed Pole	ea	102
3	Proposed Manhole	ea	0
4	Proposed GI Riser 50mm	ea	1
5	Proposed Fiber Distribution Point	ea	13
6	Proposed Joint Closure	ea	7
7	Estimated time required for completion	days	30

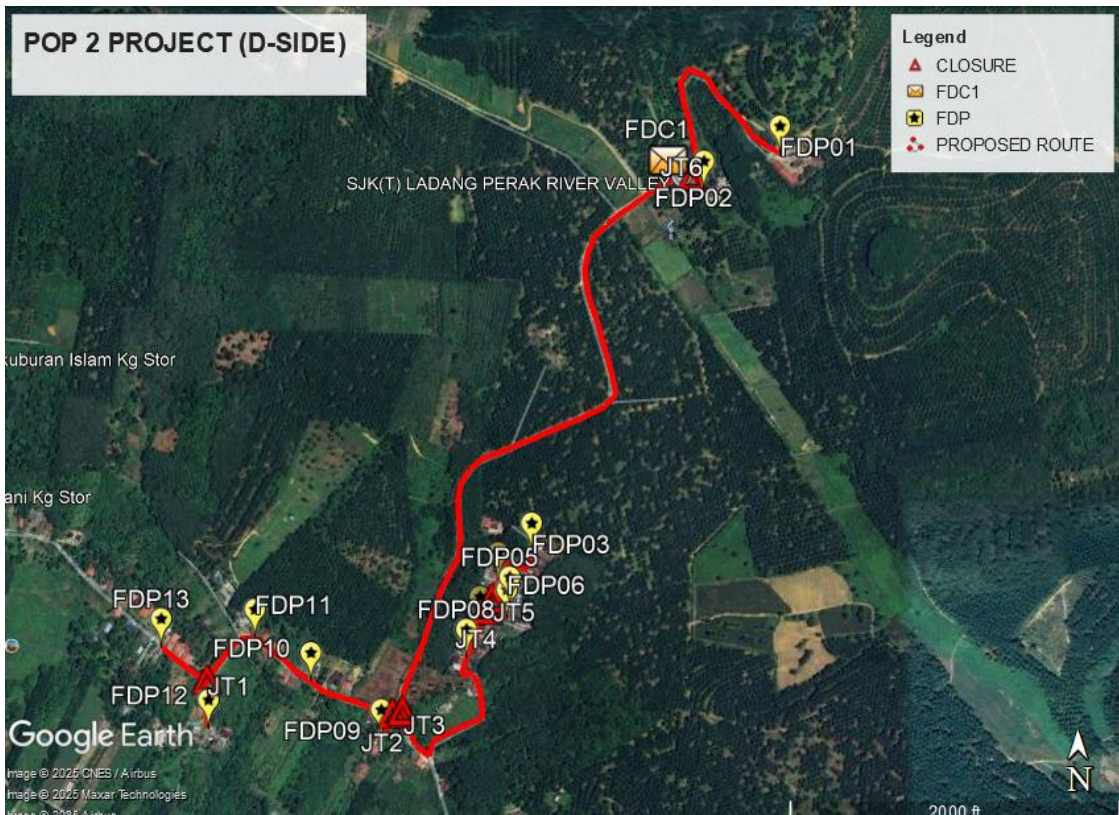
Local Authority Summary

1. Daerah Kuala Muda

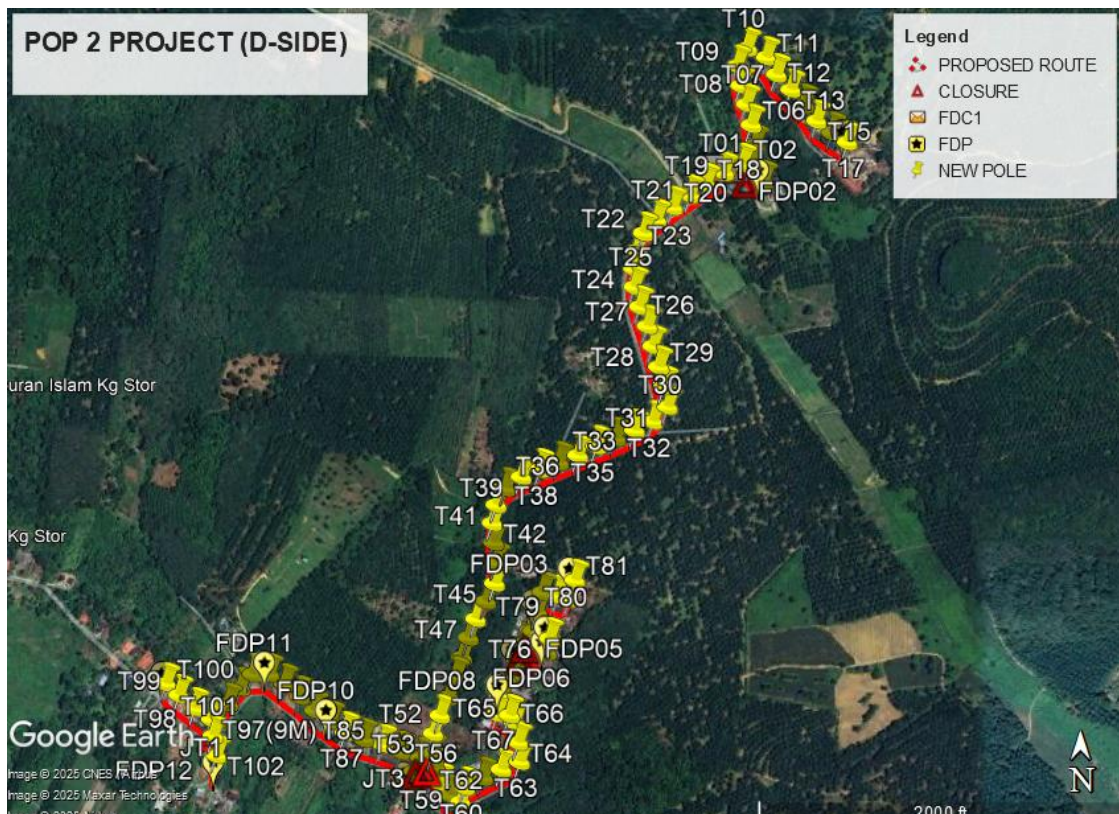
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	-	-
		Majlis	63pcs	2115m
		Estate / Private Land	39pcs	1310m
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				3425m

Site Plan – KMZ (Overview site area)

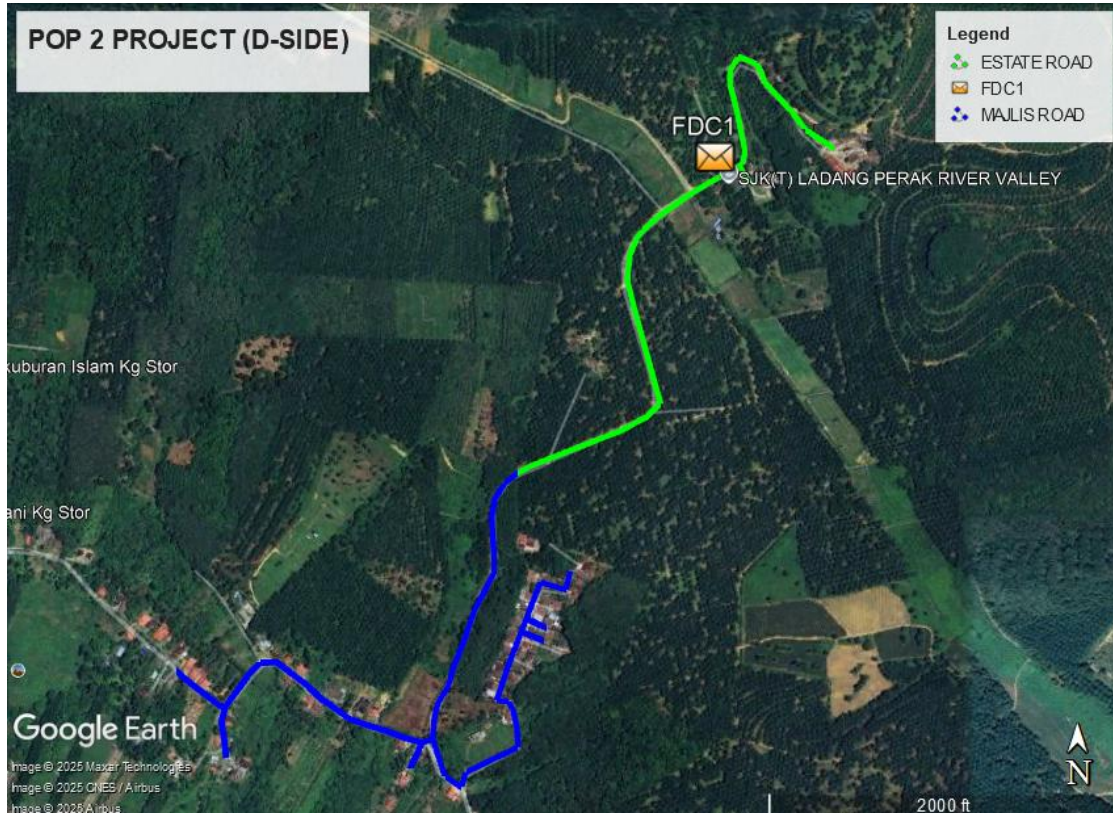
Proposed FDP & Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)

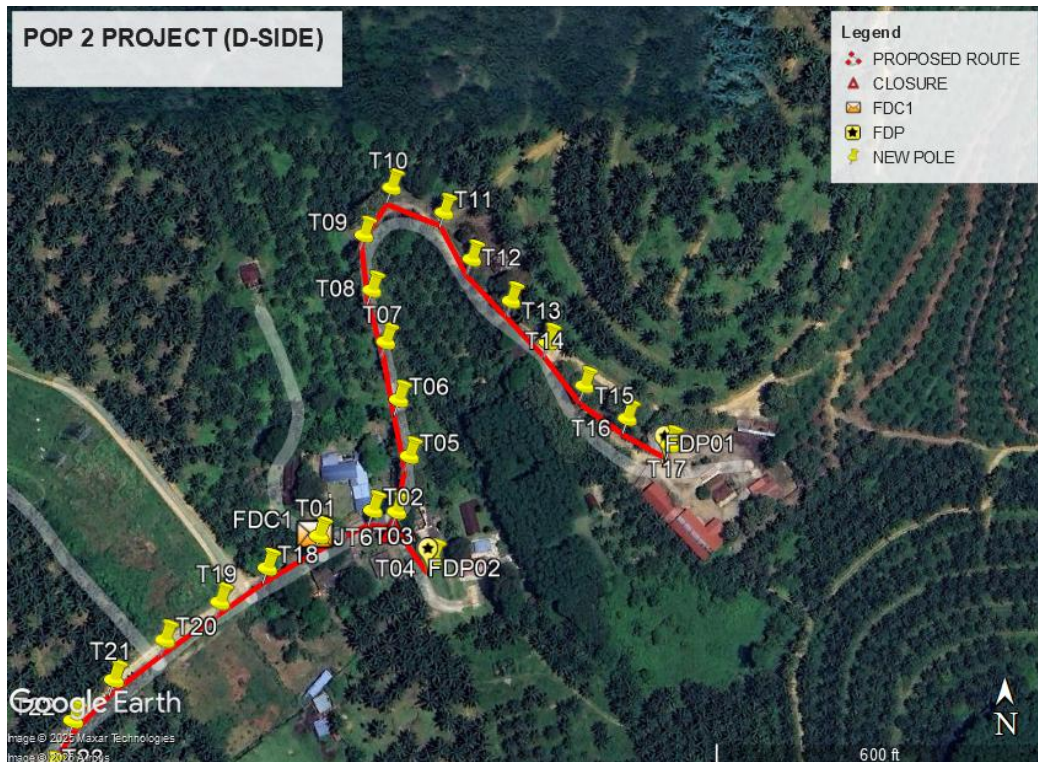
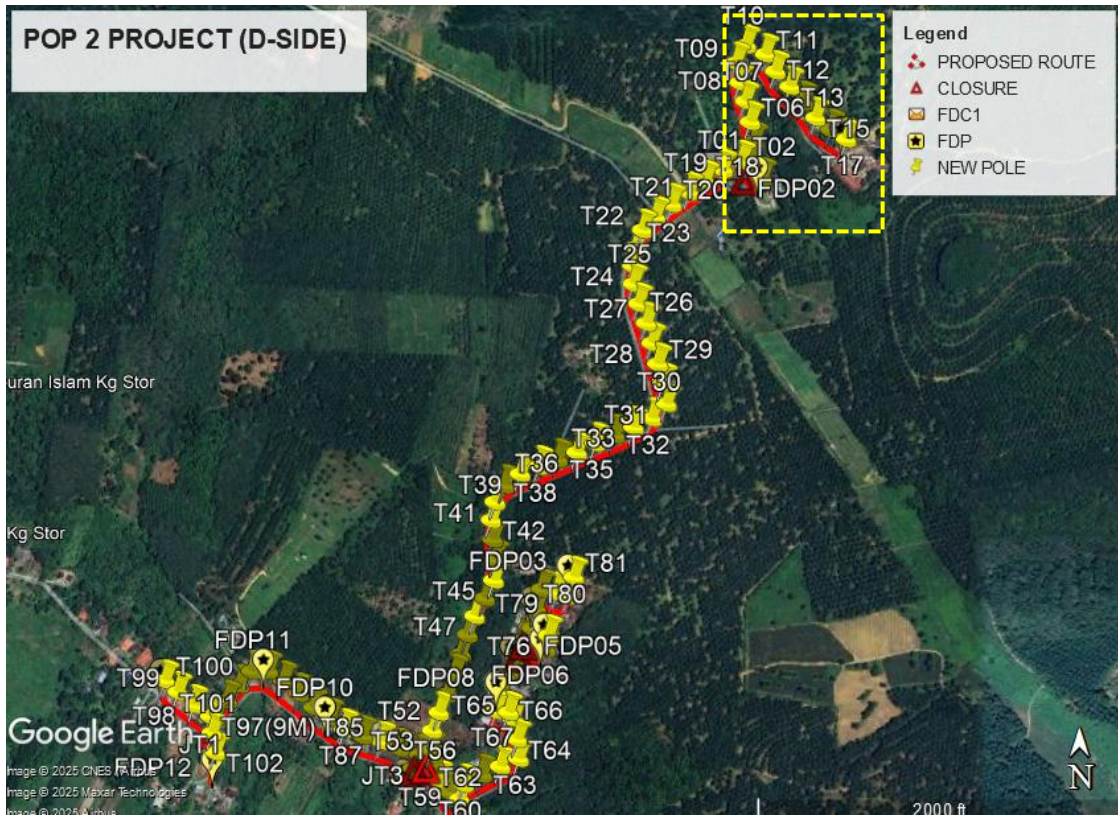


Blue Colour – Majlis Perbandaran Kuala Kangsar

Green Colour – Estate / Private Road

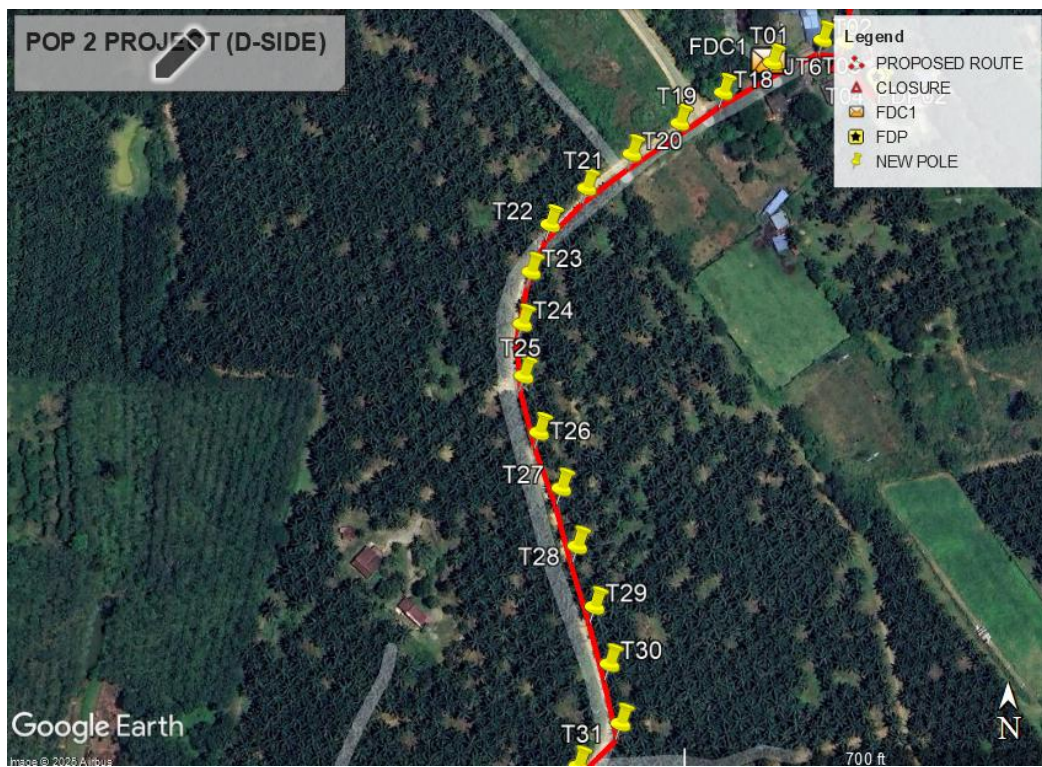
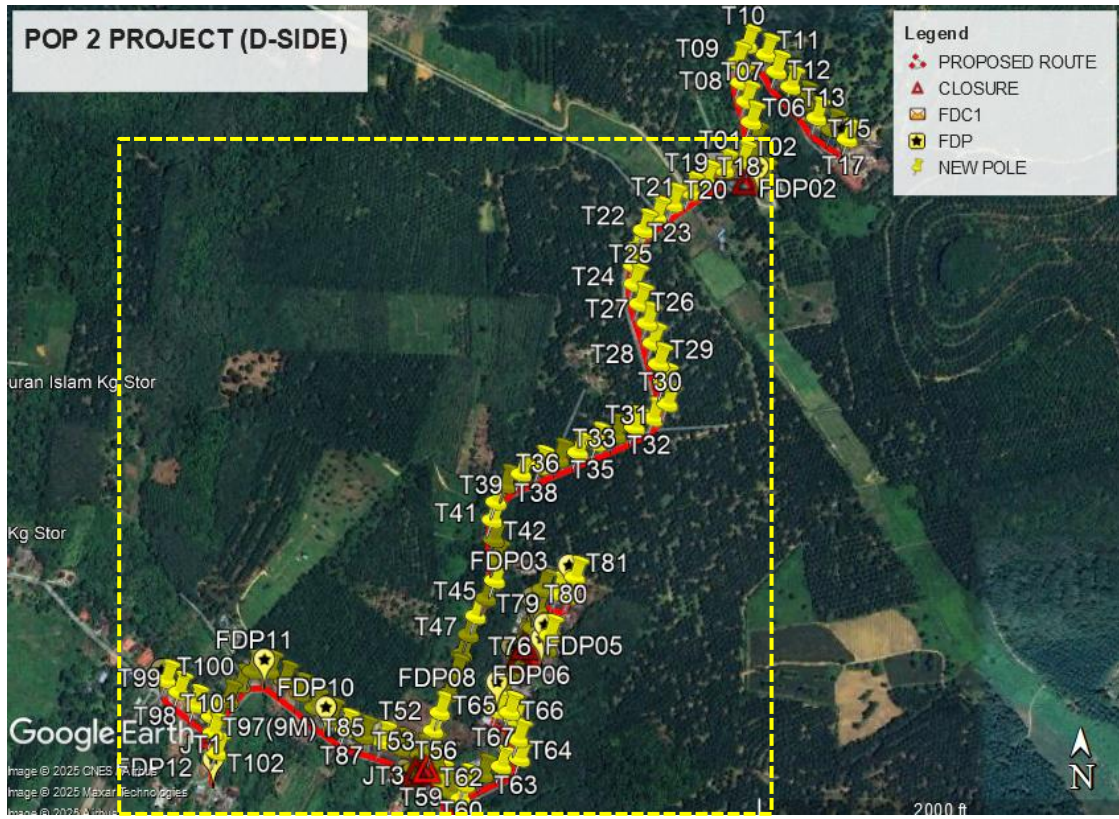
Site Plan – KMZ Routing (All site area)

Route 1

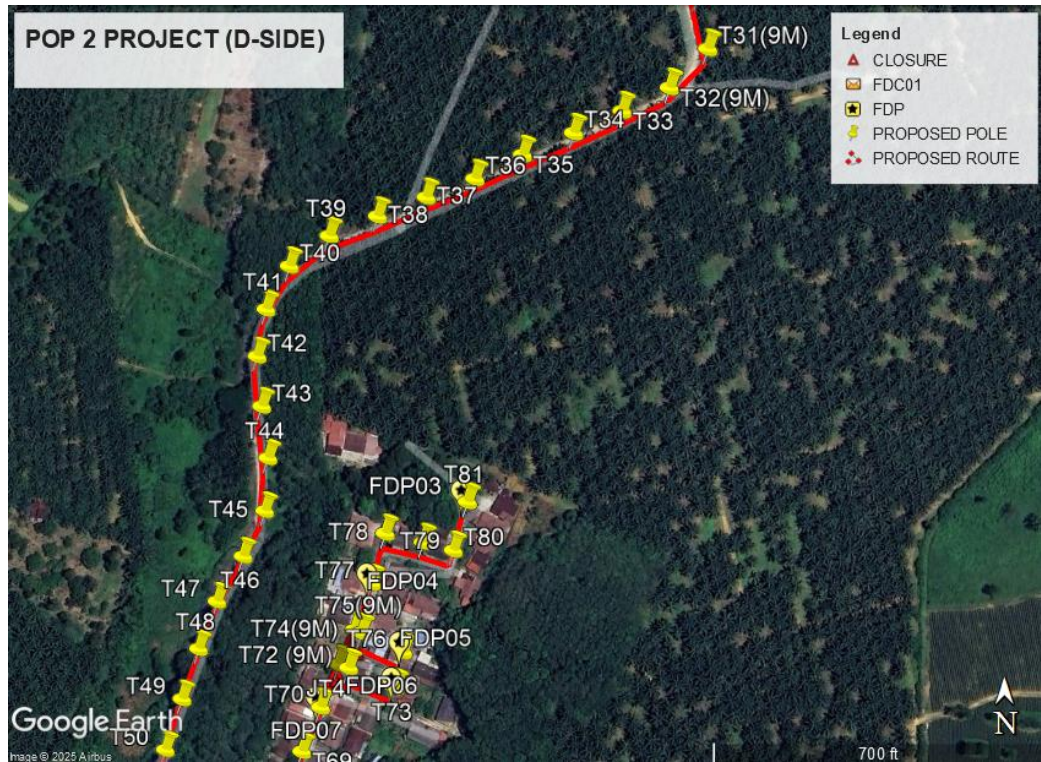


Route 1.1

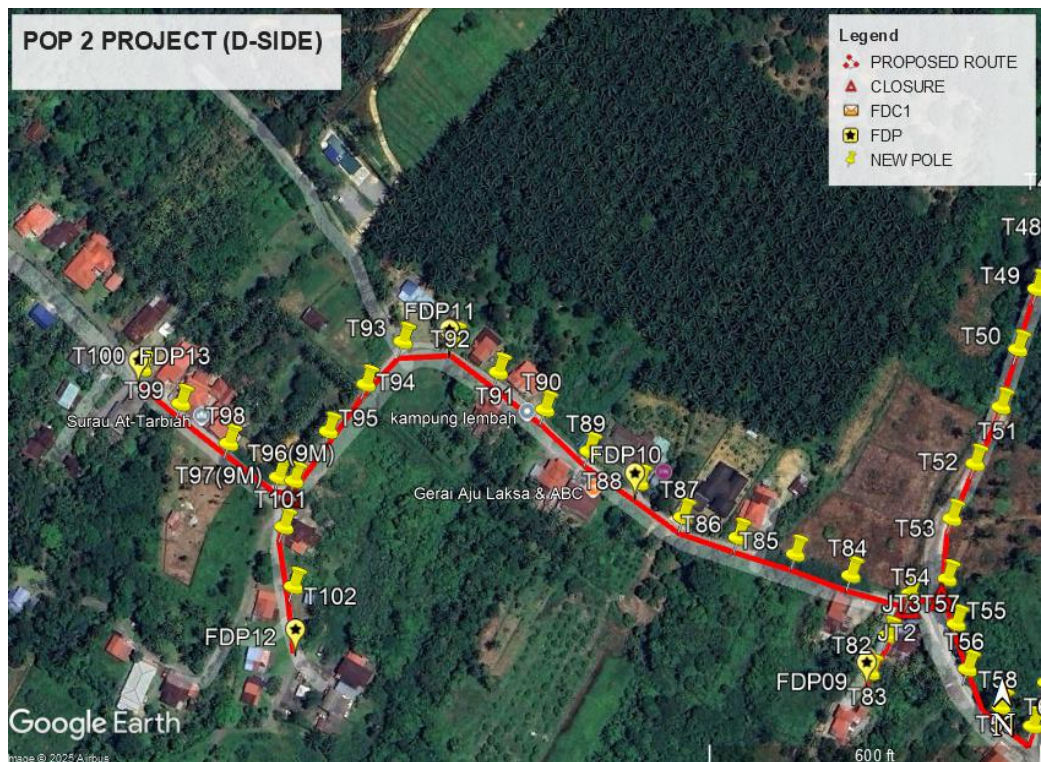
Route 2



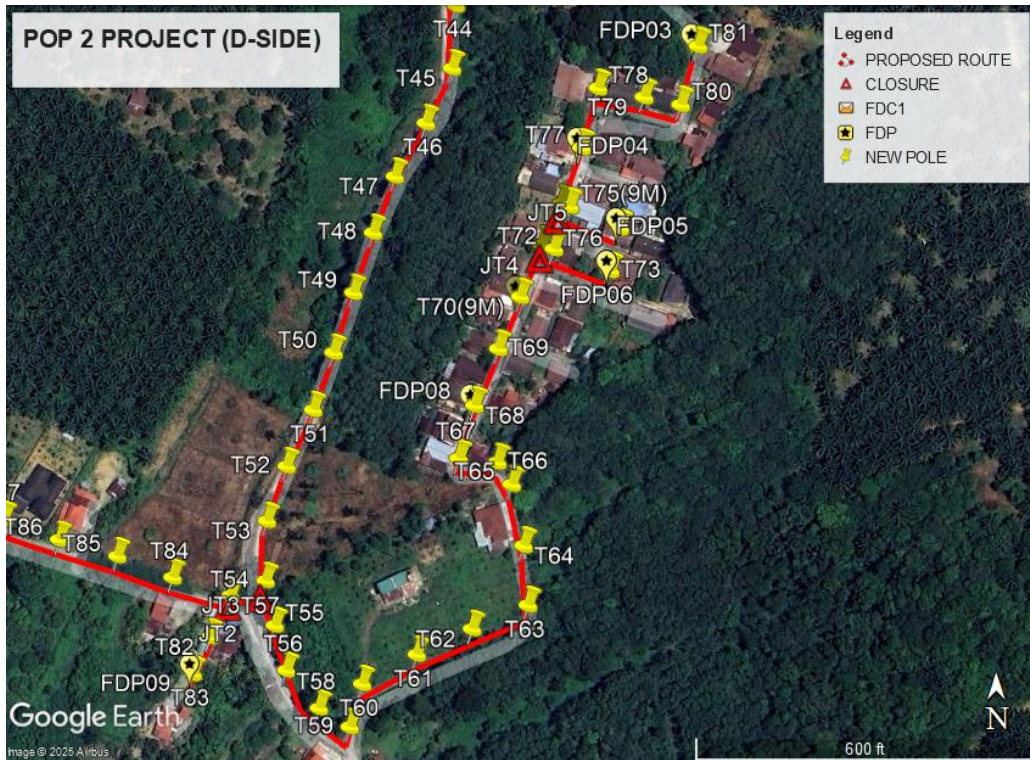
Route 2.1



Route 2.2

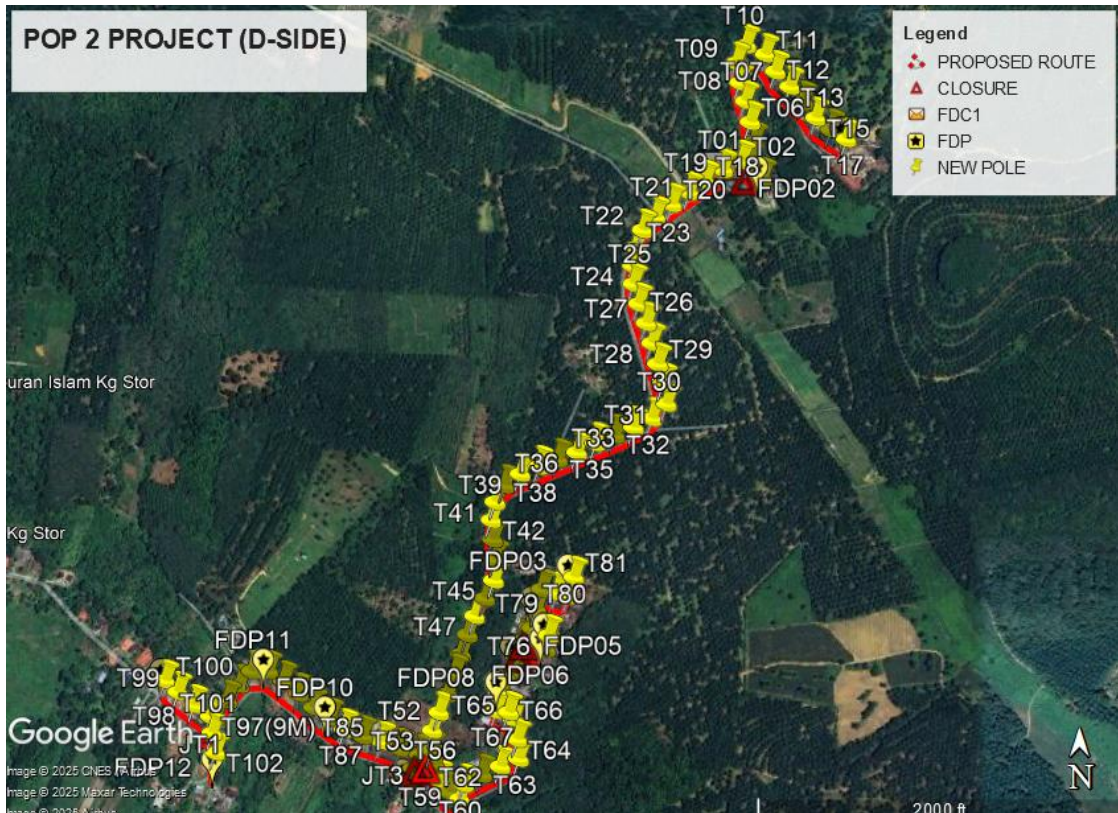


Route 2.3



Route 2.4

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	4.788428	100.872935	Estate / Private – PRE (Perak River Estate)
2	T001(9M)	35	4.788443	100.872933	Estate / Private – PRE (Perak River Estate)
3	T002	15	4.788577	100.873212	Estate / Private – PRE (Perak River Estate)
4	T003	35	4.788569	100.873336	Estate / Private – PRE (Perak River Estate)
5	T004	35	4.788324	100.873528	Estate / Private – PRE (Perak River Estate)
6	T005	35	4.788861	100.873401	Estate / Private – PRE (Perak River Estate)
7	T006	35	4.789160	100.873343	Estate / Private – PRE (Perak River Estate)
8	T007	35	4.789469	100.873271	Estate / Private – PRE (Perak River Estate)
9	T008	35	4.789752	100.873190	Estate / Private – PRE (Perak River Estate)
10	T009	35	4.790055	100.873141	Estate / Private – PRE (Perak River Estate)
11	T010	35	4.790318	100.873288	Estate / Private – PRE (Perak River Estate)
12	T011	35	4.790182	100.873575	Estate / Private – PRE (Perak River Estate)
13	T012	35	4.789923	100.873727	Estate / Private – PRE (Perak River Estate)
14	T013	35	4.789694	100.873941	Estate / Private – PRE (Perak River Estate)
15	T014	35	4.789473	100.874140	Estate / Private – PRE (Perak River Estate)
16	T015	35	4.789241	100.874337	Estate / Private – PRE (Perak River Estate)
17	T016	35	4.789066	100.874568	Estate / Private – PRE (Perak River Estate)
18	T017	35	4.788923	100.874798	Estate / Private – PRE (Perak River Estate)
19	T018	35	4.788277	100.872664	Estate / Private – PRE (Perak River Estate)
20	T019	35	4.788103	100.872424	Estate / Private – PRE (Perak River Estate)
21	T020	35	4.787917	100.872160	Estate / Private – PRE (Perak River Estate)
22	T021	35	4.787723	100.871917	Estate / Private – PRE (Perak River Estate)
23	T022	35	4.787524	100.871724	Estate / Private – PRE (Perak River Estate)
24	T023	35	4.787272	100.871624	Estate / Private – PRE (Perak River Estate)
25	T024	35	4.787001	100.871578	Estate / Private – PRE (Perak River Estate)
26	T025	35	4.786729	100.871586	Estate / Private – PRE (Perak River Estate)
27	T026	35	4.786437	100.871664	Estate / Private – PRE (Perak River Estate)
28	T027	35	4.786152	100.871779	Estate / Private – PRE (Perak River Estate)
29	T028	35	4.785858	100.871859	Estate / Private – PRE (Perak River Estate)
30	T029	35	4.785552	100.871947	Estate / Private – PRE (Perak River Estate)
31	T030	35	4.785263	100.872023	Estate / Private – PRE (Perak River Estate)
32	T031(9M)	35	4.784965	100.872079	Estate / Private – PRE (Perak River Estate)
33	T032(9M)	35	4.784749	100.871863	Estate / Private – PRE (Perak River Estate)
34	T033	35	4.784618	100.871595	Estate / Private – PRE (Perak River Estate)
35	T034	35	4.784498	100.871319	Estate / Private – PRE (Perak River Estate)

Overall Pole (Proposed New)

36	T035	35	4.784380	100.871028	Estate / Private – PRE (Perak River Estate)
37	T036	35	4.784245	100.870754	Estate / Private – PRE (Perak River Estate)
38	T037	35	4.784141	100.870472	Estate / Private – PRE (Perak River Estate)
39	T038	35	4.784034	100.870190	Estate / Private – PRE (Perak River Estate)
40	T039	35	4.783923	100.869910	Majlis Perbandaran Kuala Kangsar
41	T040	35	4.783751	100.869674	Majlis Perbandaran Kuala Kangsar
42	T041	35	4.783503	100.869533	Majlis Perbandaran Kuala Kangsar
43	T042	35	4.783232	100.869473	Majlis Perbandaran Kuala Kangsar
44	T043	35	4.782939	100.869493	Majlis Perbandaran Kuala Kangsar
45	T044	35	4.782635	100.869526	Majlis Perbandaran Kuala Kangsar
46	T045	35	4.782324	100.869506	Majlis Perbandaran Kuala Kangsar
47	T046	35	4.782055	100.869375	Majlis Perbandaran Kuala Kangsar
48	T047	35	4.781789	100.869221	Majlis Perbandaran Kuala Kangsar
49	T048	35	4.781510	100.869112	Majlis Perbandaran Kuala Kangsar
50	T049	35	4.781212	100.869011	Majlis Perbandaran Kuala Kangsar
51	T050	35	4.780913	100.868914	Majlis Perbandaran Kuala Kangsar
52	T051	35	4.780629	100.868817	Majlis Perbandaran Kuala Kangsar
53	T052	35	4.780350	100.868687	Majlis Perbandaran Kuala Kangsar
54	T053	25	4.780077	100.868583	Majlis Perbandaran Kuala Kangsar
55	T054 (9M)	25	4.779774	100.868570	Majlis Perbandaran Kuala Kangsar
56	T055	35	4.779550	100.868615	Majlis Perbandaran Kuala Kangsar
57	T056	35	4.779326	100.868673	Majlis Perbandaran Kuala Kangsar
58	T057 (9M)	35	4.779697	100.868391	Majlis Perbandaran Kuala Kangsar
59	T058	35	4.779138	100.868837	Majlis Perbandaran Kuala Kangsar
60	T059	35	4.779045	100.868992	Majlis Perbandaran Kuala Kangsar
61	T060	35	4.779264	100.869057	Majlis Perbandaran Kuala Kangsar
62	T061	35	4.779416	100.869332	Majlis Perbandaran Kuala Kangsar
63	T062	35	4.779547	100.869608	Majlis Perbandaran Kuala Kangsar
64	T063	35	4.779674	100.869884	Majlis Perbandaran Kuala Kangsar
65	T064	35	4.779968	100.869863	Majlis Perbandaran Kuala Kangsar
66	T065	35	4.780270	100.869805	Majlis Perbandaran Kuala Kangsar
67	T066	35	4.780377	100.869734	Majlis Perbandaran Kuala Kangsar
68	T067	35	4.780394	100.869546	Majlis Perbandaran Kuala Kangsar
69	T068	35	4.780653	100.869623	Majlis Perbandaran Kuala Kangsar
70	T069	35	4.780930	100.869738	Majlis Perbandaran Kuala Kangsar
71	T070	35	4.781186	100.869846	Majlis Perbandaran Kuala Kangsar
72	T071(9M)	10	4.781438	100.869952	Majlis Perbandaran Kuala Kangsar
73	T072 (9M)	10	4.781419	100.870012	Majlis Perbandaran Kuala Kangsar
74	T073	35	4.781310	100.870286	Majlis Perbandaran Kuala Kangsar
75	T074 (9M)	35	4.781639	100.870045	Majlis Perbandaran Kuala Kangsar

Overall Pole (Proposed New)

76	T075 (9M)	35	4.781625	100.870087	Majlis Perbandaran Kuala Kangsar
77	T076	35	4.781518	100.870332	Majlis Perbandaran Kuala Kangsar
78	T077	35	4.781912	100.870147	Majlis Perbandaran Kuala Kangsar
79	T078	35	4.782203	100.870227	Majlis Perbandaran Kuala Kangsar
80	T079	35	4.782154	100.870451	Majlis Perbandaran Kuala Kangsar
81	T080	35	4.782111	100.87062	Majlis Perbandaran Kuala Kangsar
82	T081	35	4.782391	100.870709	Majlis Perbandaran Kuala Kangsar
83	T082	35	4.779487	100.868284	Majlis Perbandaran Kuala Kangsar
84	T083	35	4.779300	100.868197	Majlis Perbandaran Kuala Kangsar
85	T084	35	4.779787	100.868097	Majlis Perbandaran Kuala Kangsar
86	T085	35	4.779894	100.867819	Majlis Perbandaran Kuala Kangsar
87	T086	35	4.779978	100.867530	Majlis Perbandaran Kuala Kangsar
88	T087	35	4.780080	100.867255	Majlis Perbandaran Kuala Kangsar
89	T088	35	4.780249	100.867036	Majlis Perbandaran Kuala Kangsar
90	T089	35	4.780407	100.866787	Majlis Perbandaran Kuala Kangsar
91	T090	35	4.780614	100.866567	Majlis Perbandaran Kuala Kangsar
92	T091	35	4.780801	100.866334	Majlis Perbandaran Kuala Kangsar
93	T092	35	4.780958	100.866110	Majlis Perbandaran Kuala Kangsar
94	T093	35	4.780954	100.865856	Majlis Perbandaran Kuala Kangsar
95	T094	35	4.780741	100.865670	Majlis Perbandaran Kuala Kangsar
96	T095	35	4.780505	100.865483	Majlis Perbandaran Kuala Kangsar
97	T096(9M)	15	4.780261	100.865316	Majlis Perbandaran Kuala Kangsar
98	T097(9M)	35	4.780279	100.865241	Majlis Perbandaran Kuala Kangsar
99	T098	35	4.780448	100.864993	Majlis Perbandaran Kuala Kangsar
100	T099	35	4.780645	100.864755	Majlis Perbandaran Kuala Kangsar
101	T100	35	4.780816	100.864561	Majlis Perbandaran Kuala Kangsar
102	T101	35	4.780034	100.865269	Majlis Perbandaran Kuala Kangsar
103	T102	35	4.779737	100.865315	Majlis Perbandaran Kuala Kangsar

Bil	Type	7.5m	9.0m	Total
1	No. of Pole	91	11	102

Site Photos – Proposed to install pole



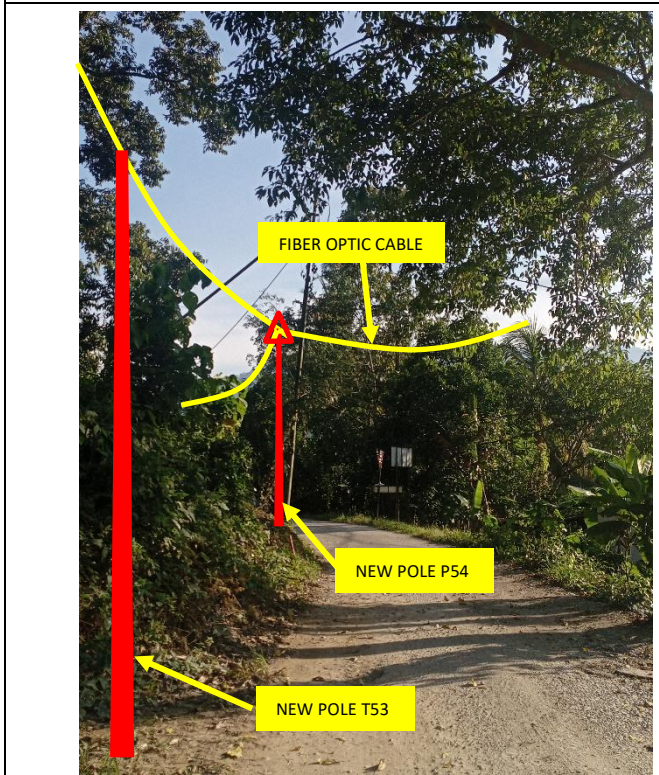
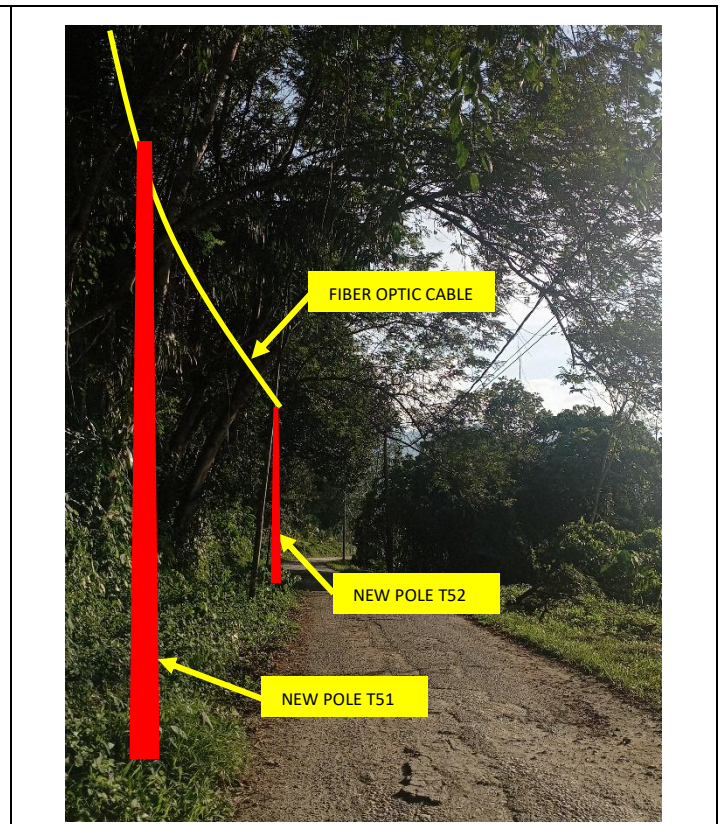
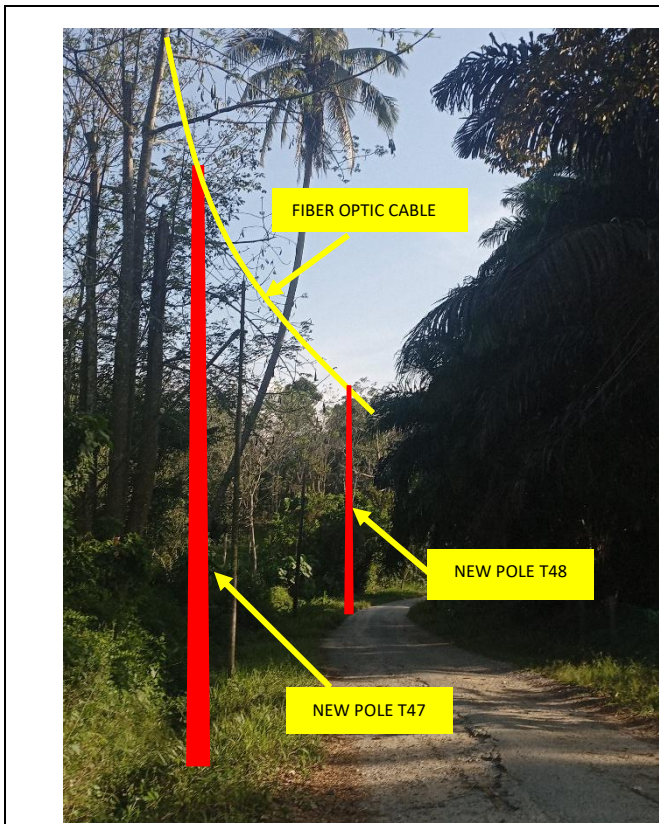
Site Photos – Proposed to install pole



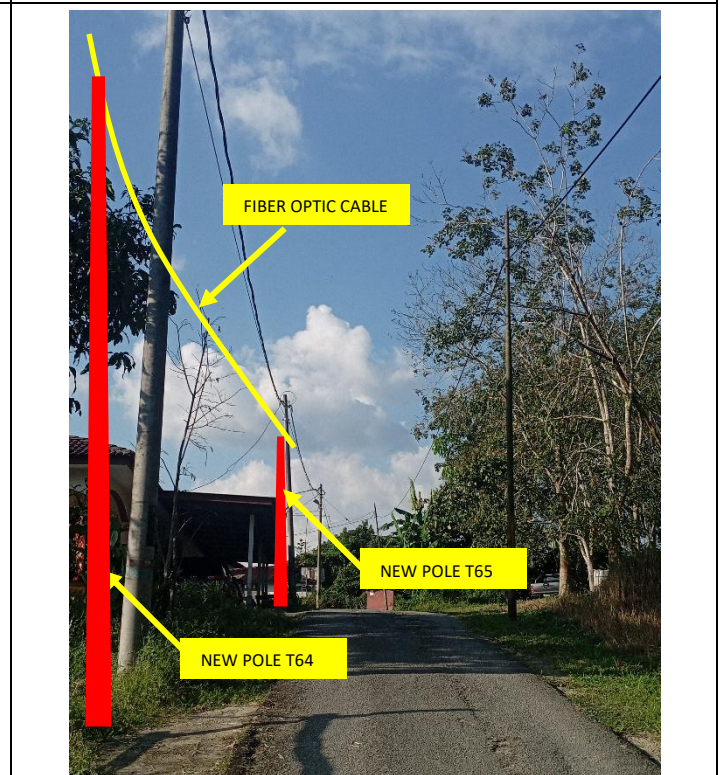
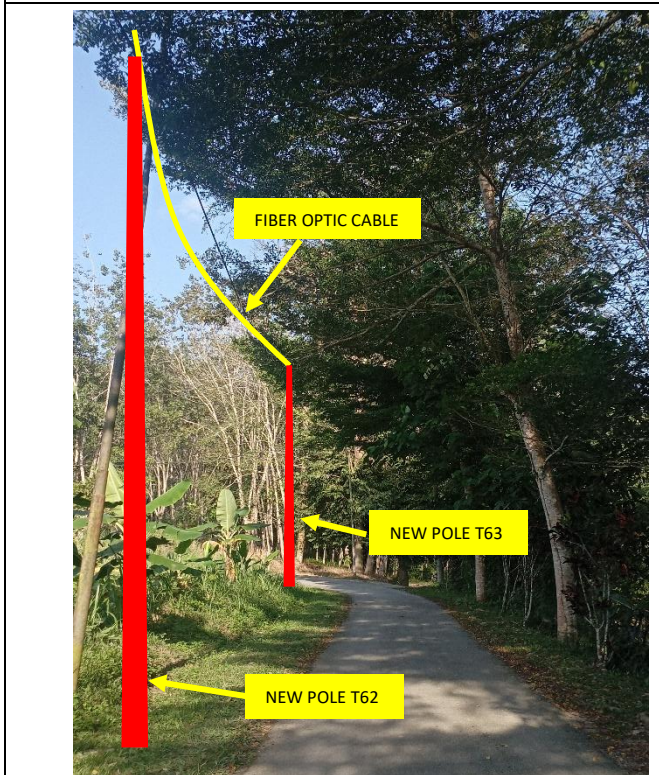
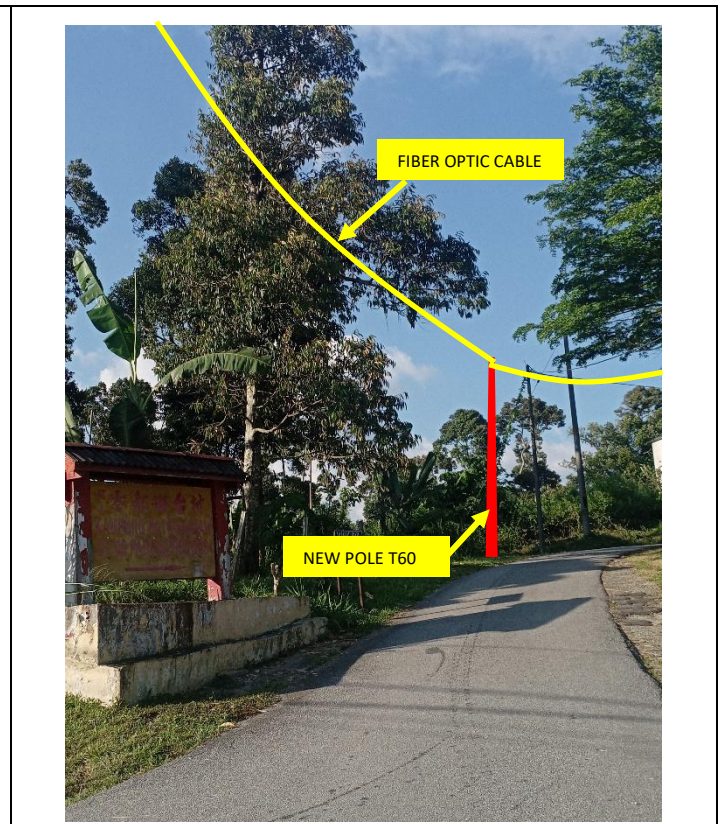
Site Photos – Proposed to install pole



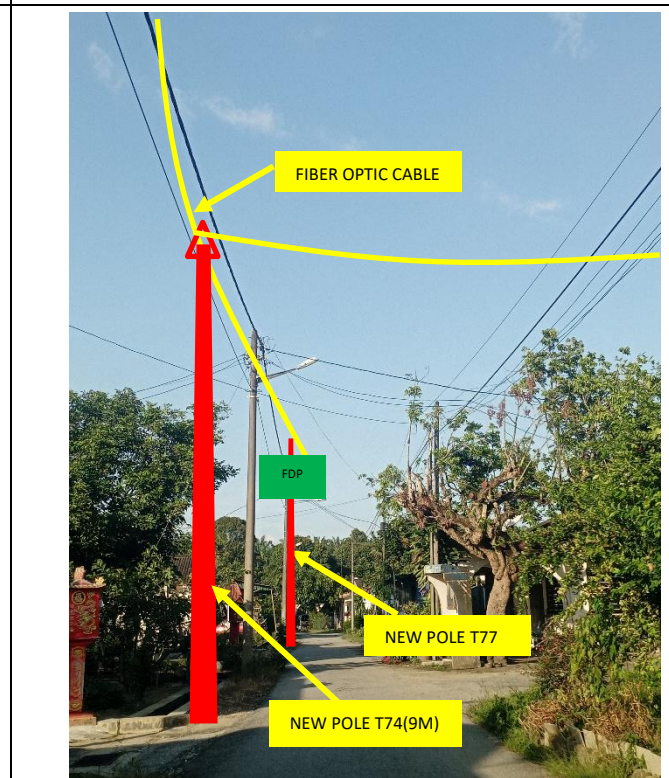
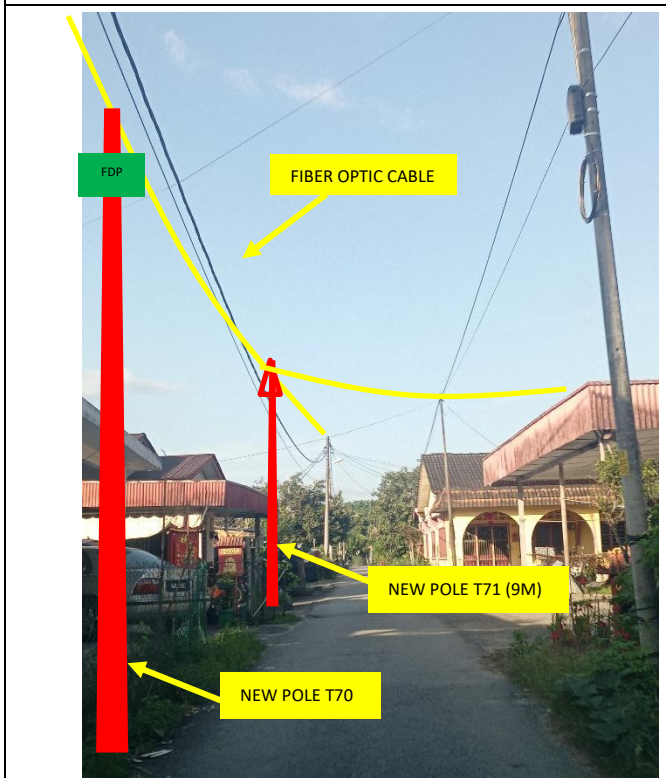
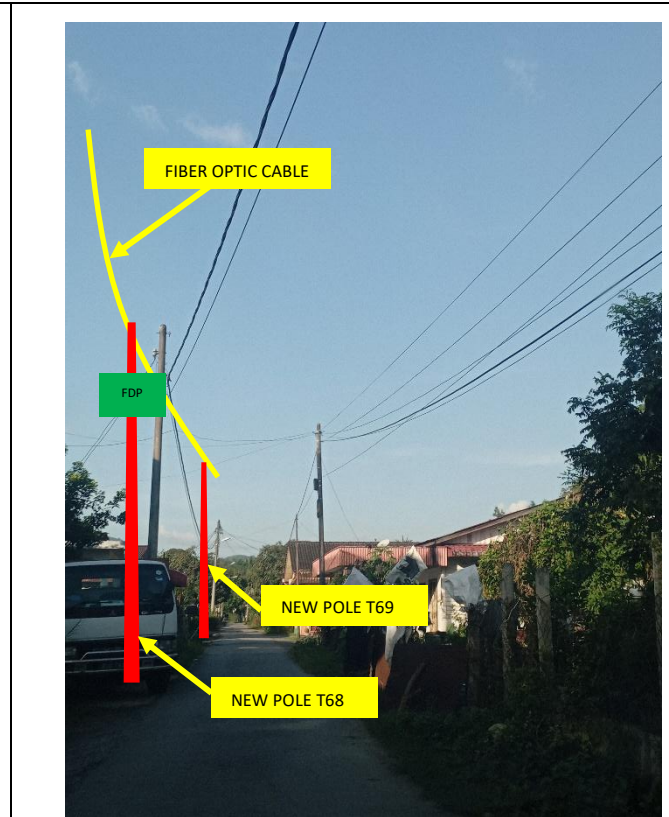
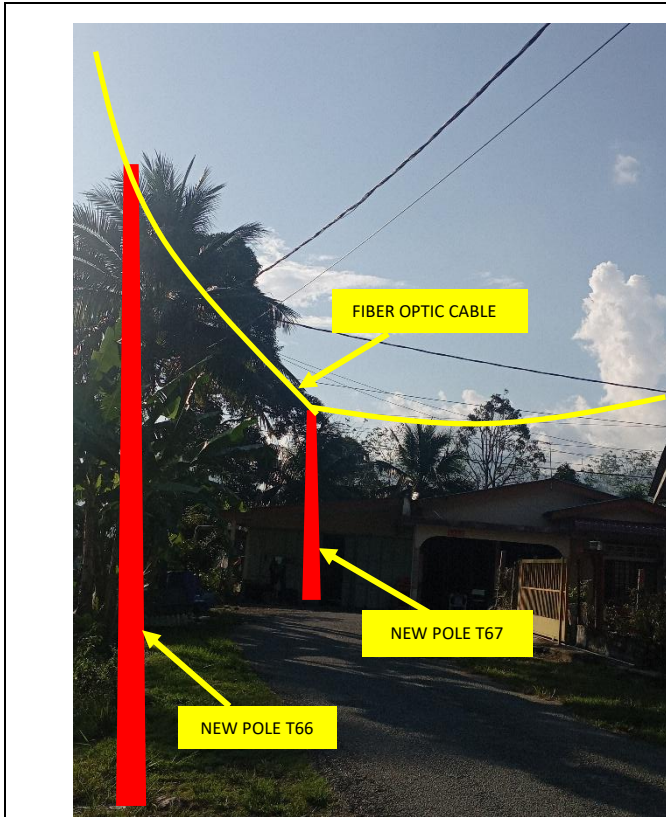
Site Photos – Proposed to install pole



Site Photos – Proposed to install pole



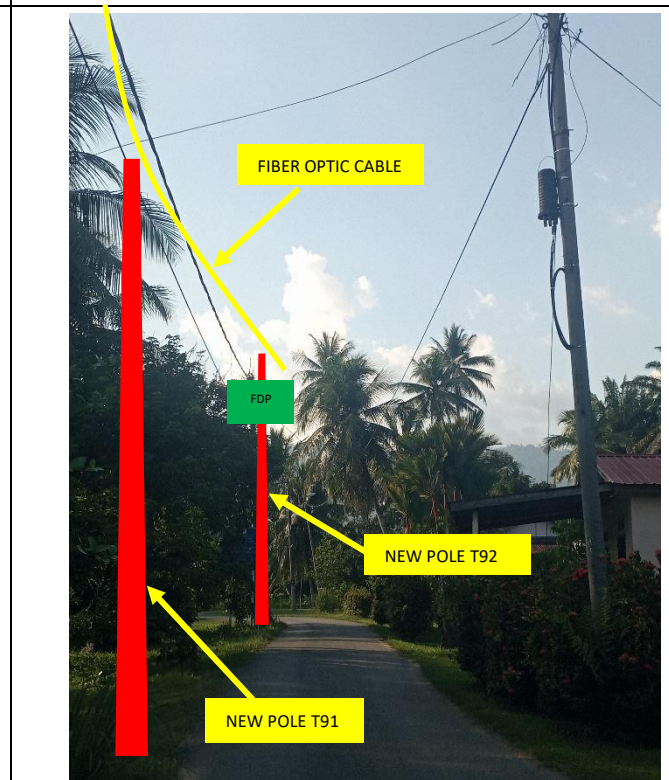
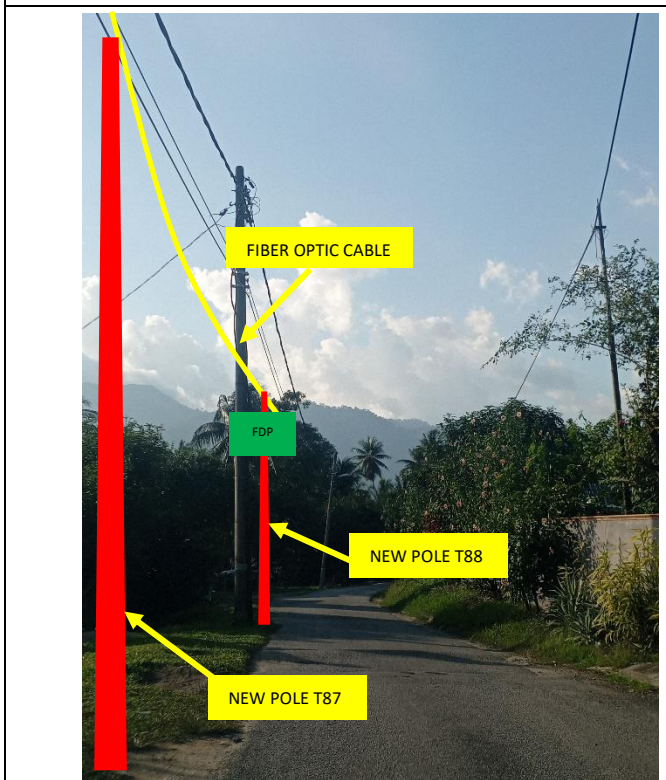
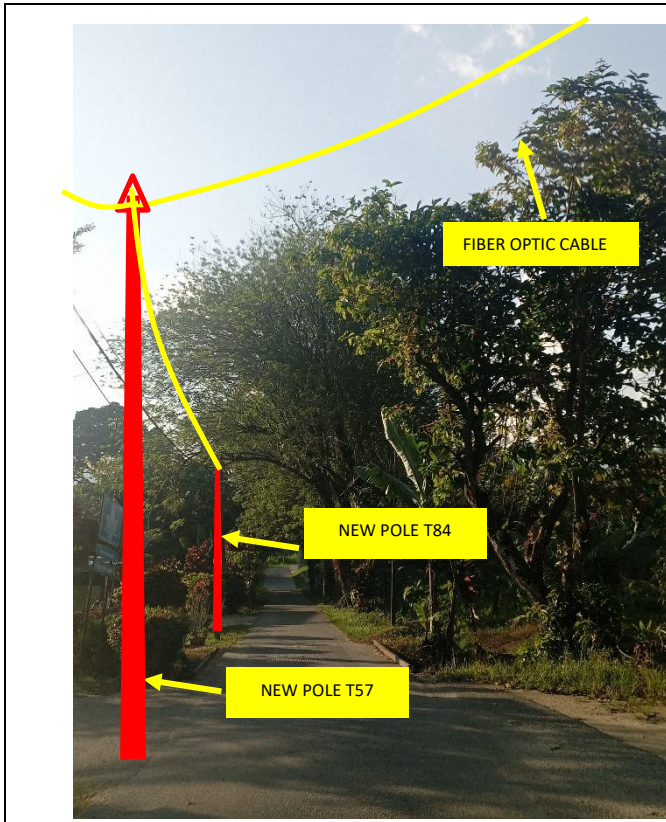
Site Photos – Proposed to install pole



Site Photos – Proposed to install pole



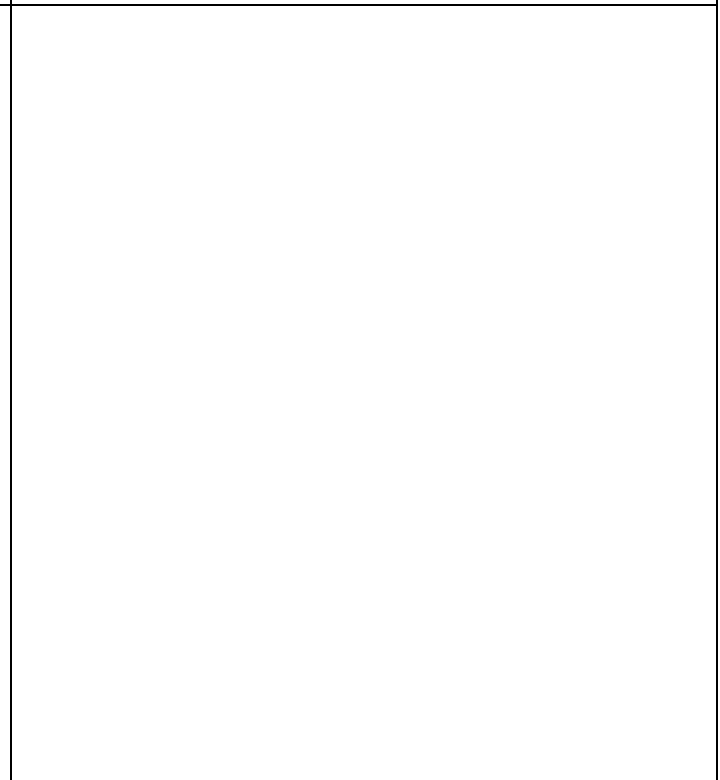
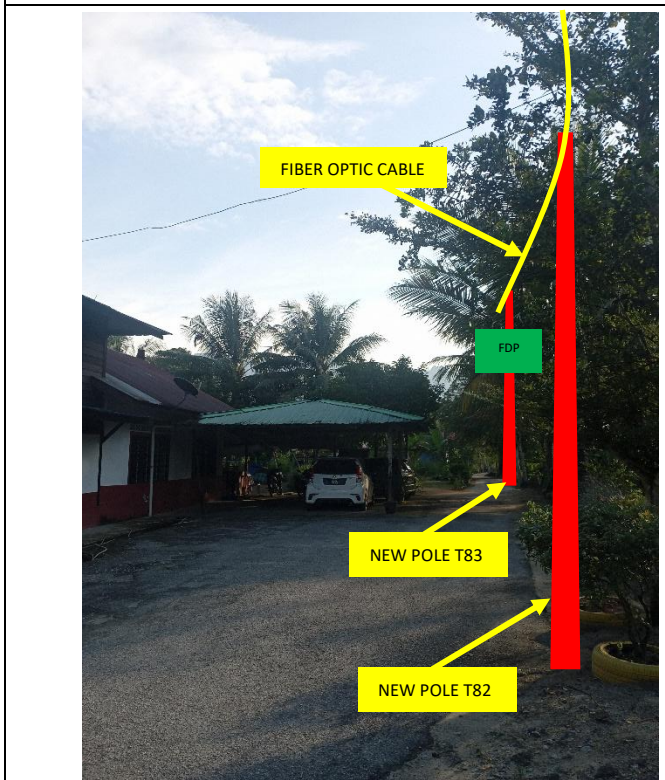
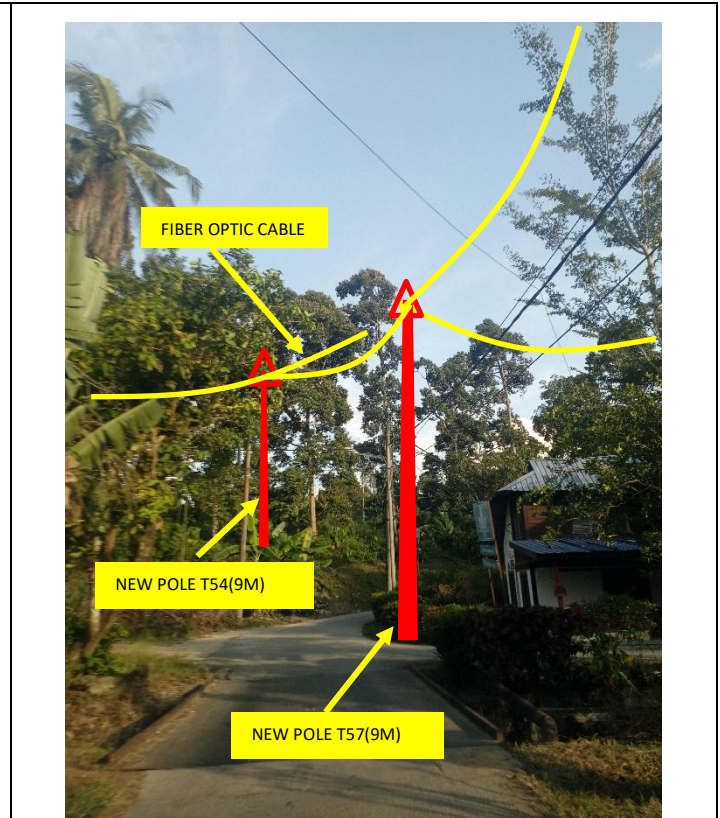
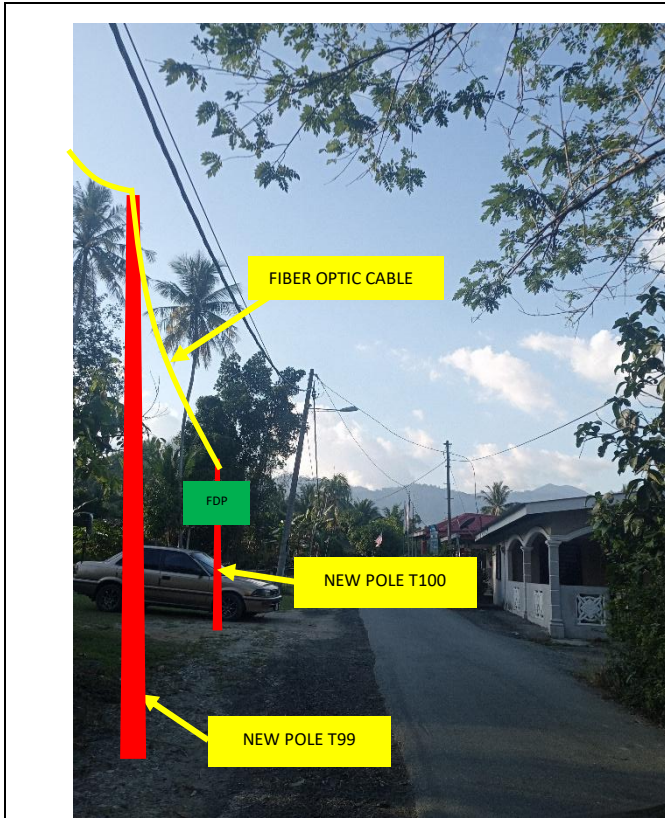
Site Photos – Proposed to install pole



Site Photos – Proposed to install pole



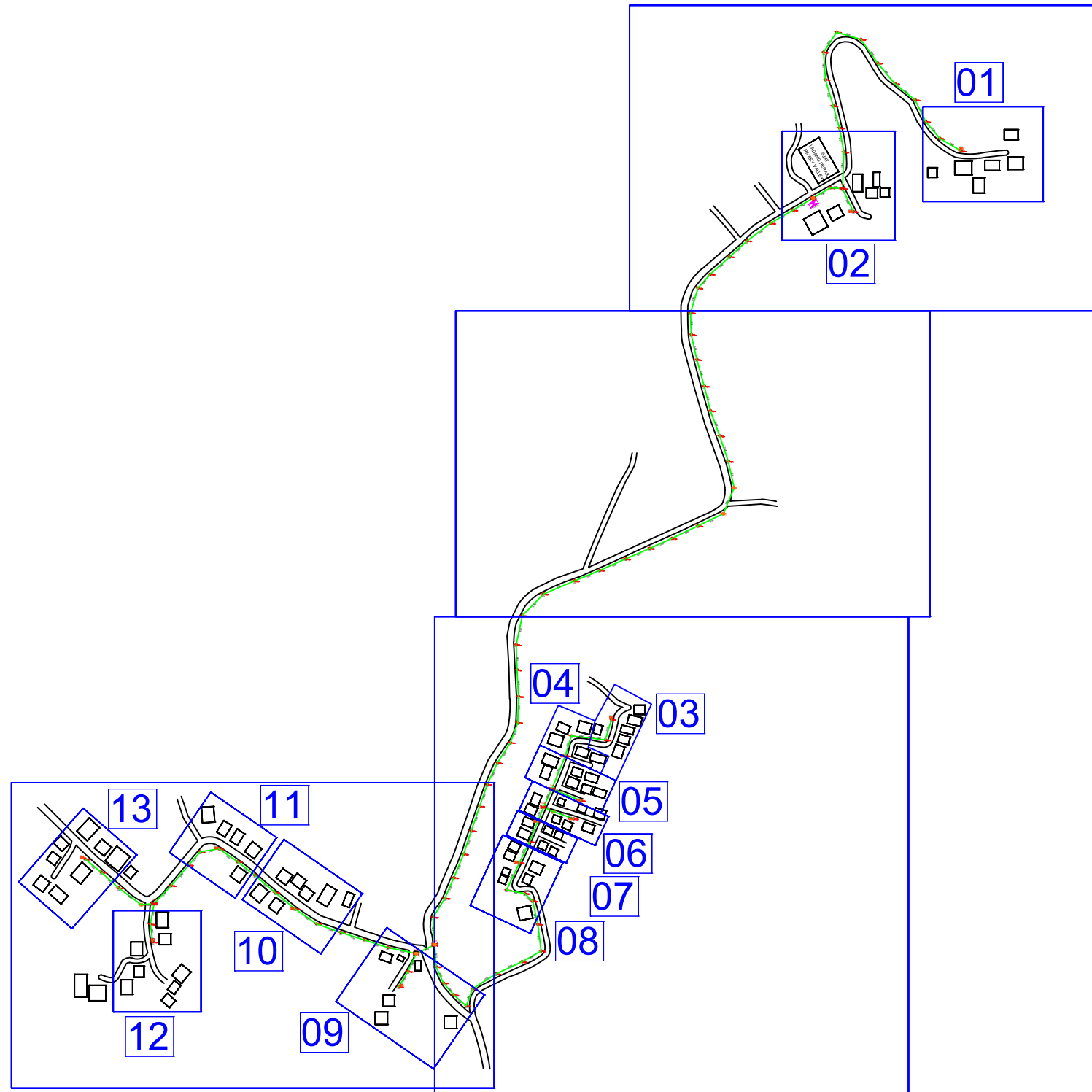
Site Photos – Proposed to install pole



3rd Parties Dependencies

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

SJKT LADANG PERAK RIVER VALLEY



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD	
24C FOC	3425M FDC with (1:8) splitter	Installed Riser	1 ea	# House Number	Existing Manhole	GR	
48C FOC	Closure	T TENSION		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		LOOP	FDP1 FDP NO.	Existing TNB Pole NO.	(A)SEE SHEET X/XX (A)
144C FOC	7.5m 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 - SJKT LADANG PERAK RIVER VALLEY

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 :

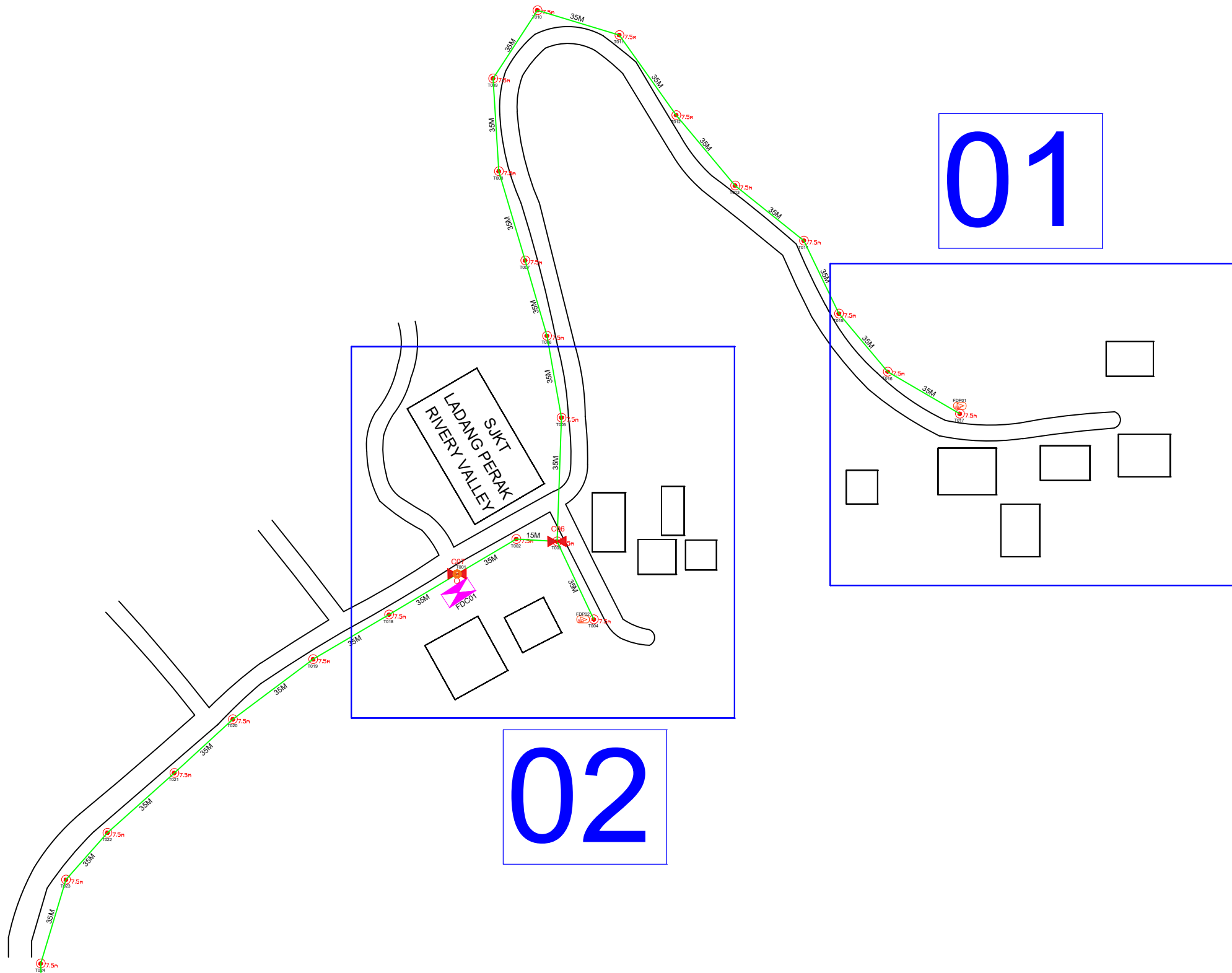
Sheet :

1/6

Size :

A3

SJKT LADANG PERAK RIVER VALLEY



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD
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.

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 - SJKT LADANG PERAK RIVER VALLEY

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 :

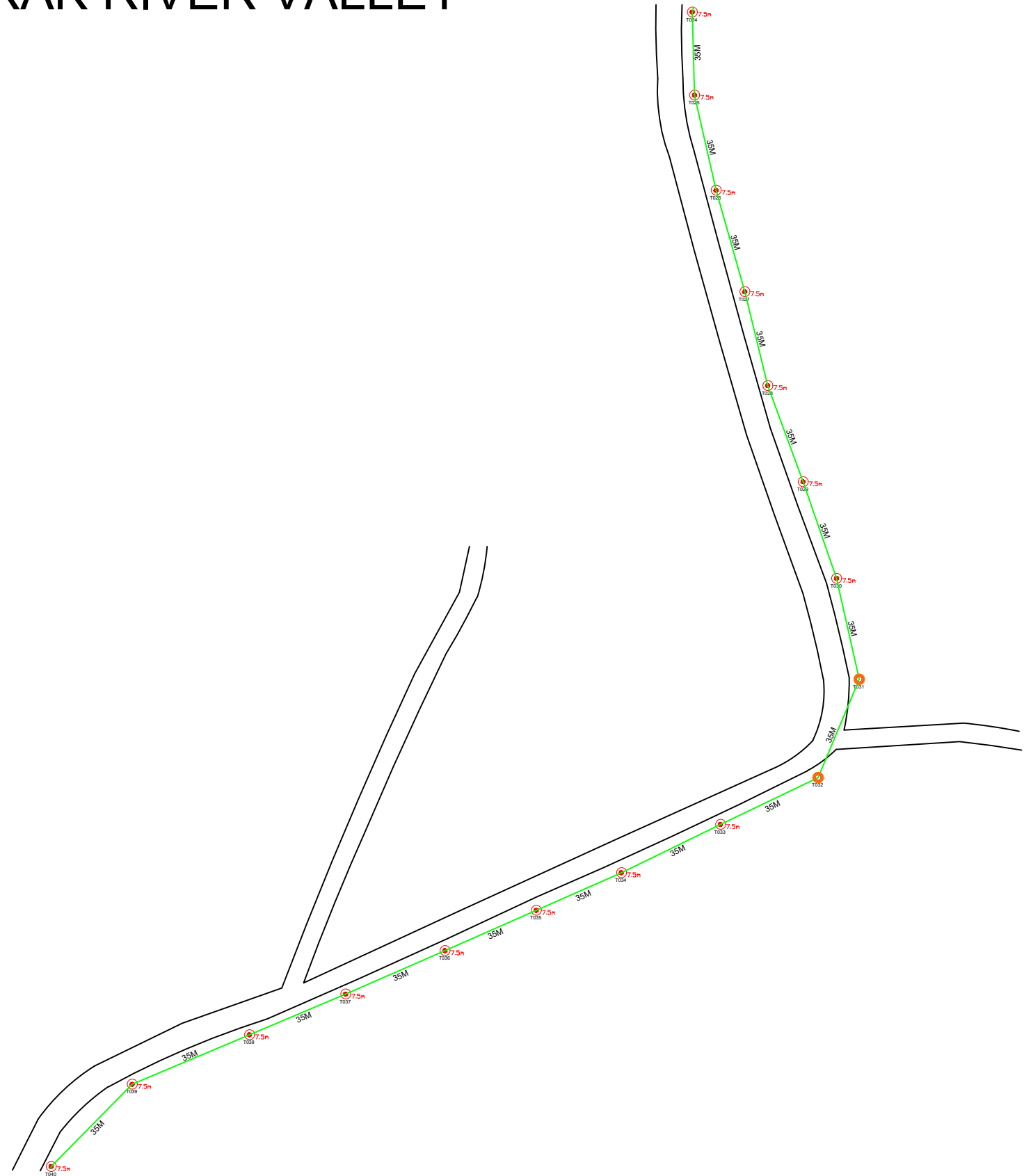
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Size :

A3

SJKT LADANG PERAK RIVER VALLEY



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD
24C FOC	FDC 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.

KEY PLAN :



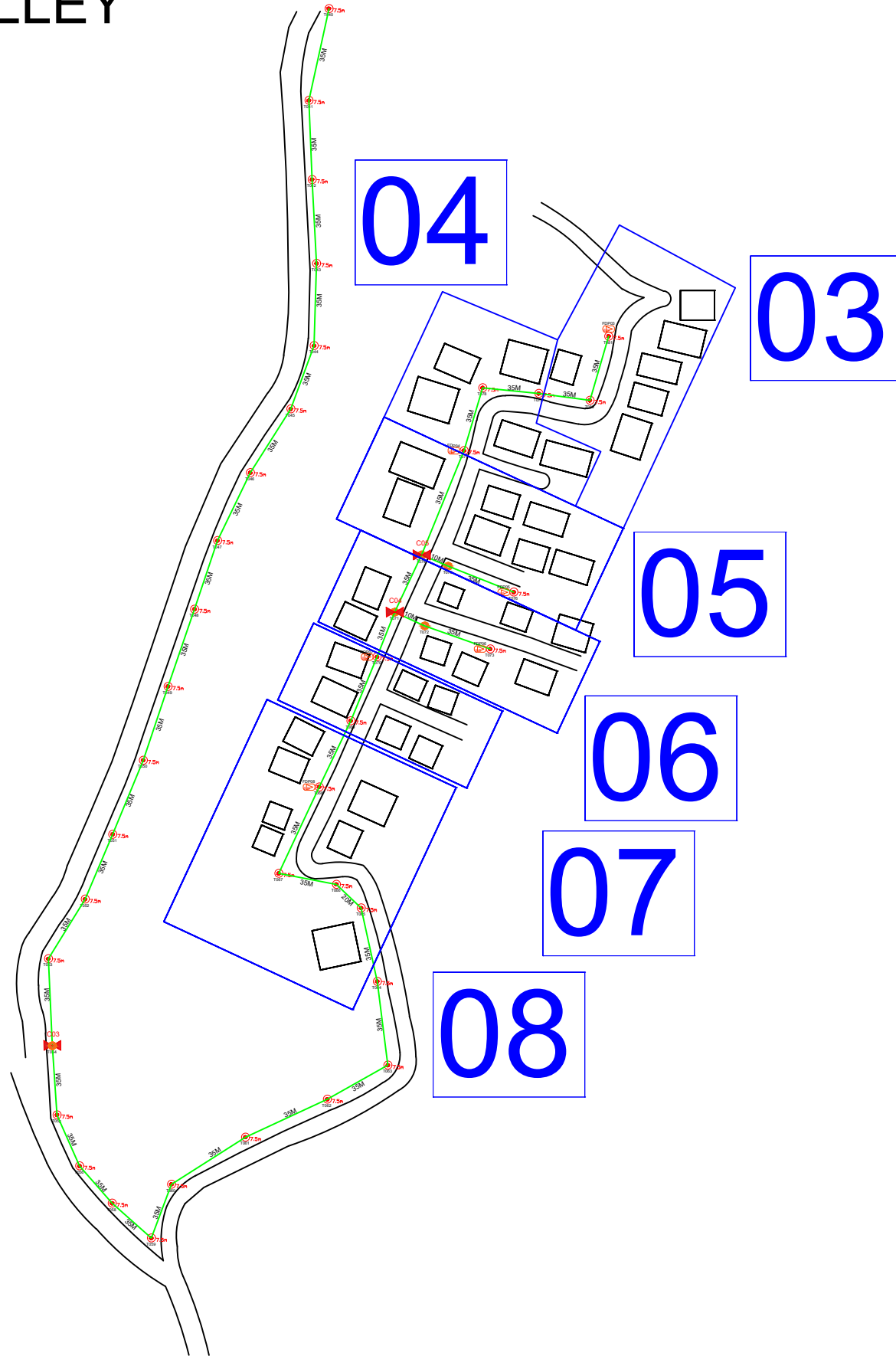
PROJECT TITLE:
 PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKMM.400-11/17/132(1))

DRAWING TITLE:
 D-SIDE - SJKT LADANG PERAK RIVER VALLEY

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 : 3/6
	Size : A3

SJKT LADANG PERAK RIVER VALLEY



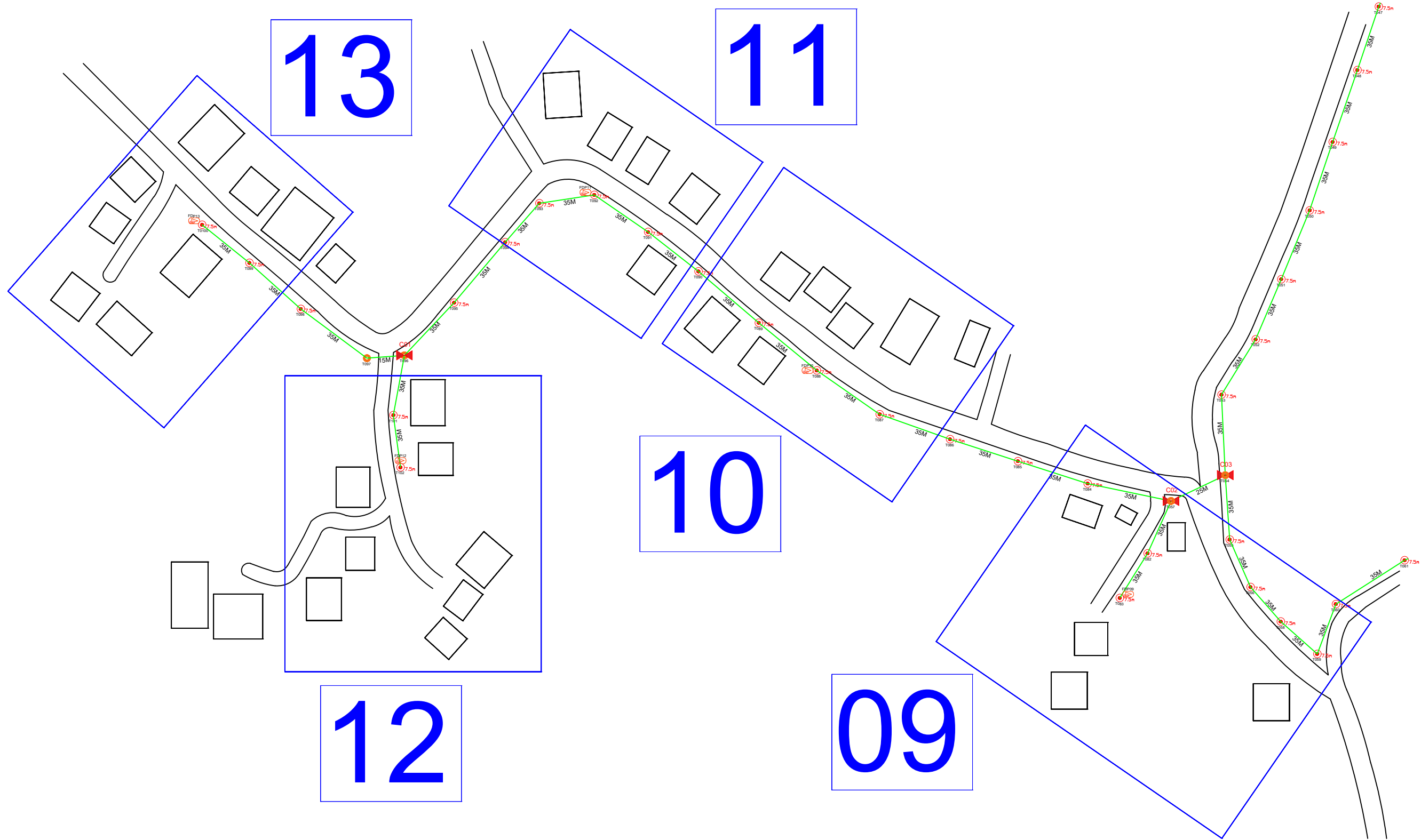
LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB Tension Small/Tension Big	HDD
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.

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))
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DRAWING TITLE: D-SIDE - SJKT LADANG PERAK RIVER VALLEY	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 : 4/6
		Size : A3

SJKT LADANG PERAK RIVER VALLEY



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	11 ea	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD
24C FOC	3425M FDC with (1:8) splitter	Installed Riser	1 ea	House Number	86 ea	Existing Manhole	GR
48C FOC	Closure	7 ea	TENSION	Existing TNB Pole	C01	Closure NO.	Existing TNB Pole 11m
96C FOC	New Manhole (PIT)	UB3Q	SUSPENSION	LOOP	FDP1	FDP NO.	Existing TNB Pole NO.
144C FOC	Installed Pole (7.5M)	91 ea	FDC	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 - SJKT LADANG PERAK RIVER VALLEY

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 :

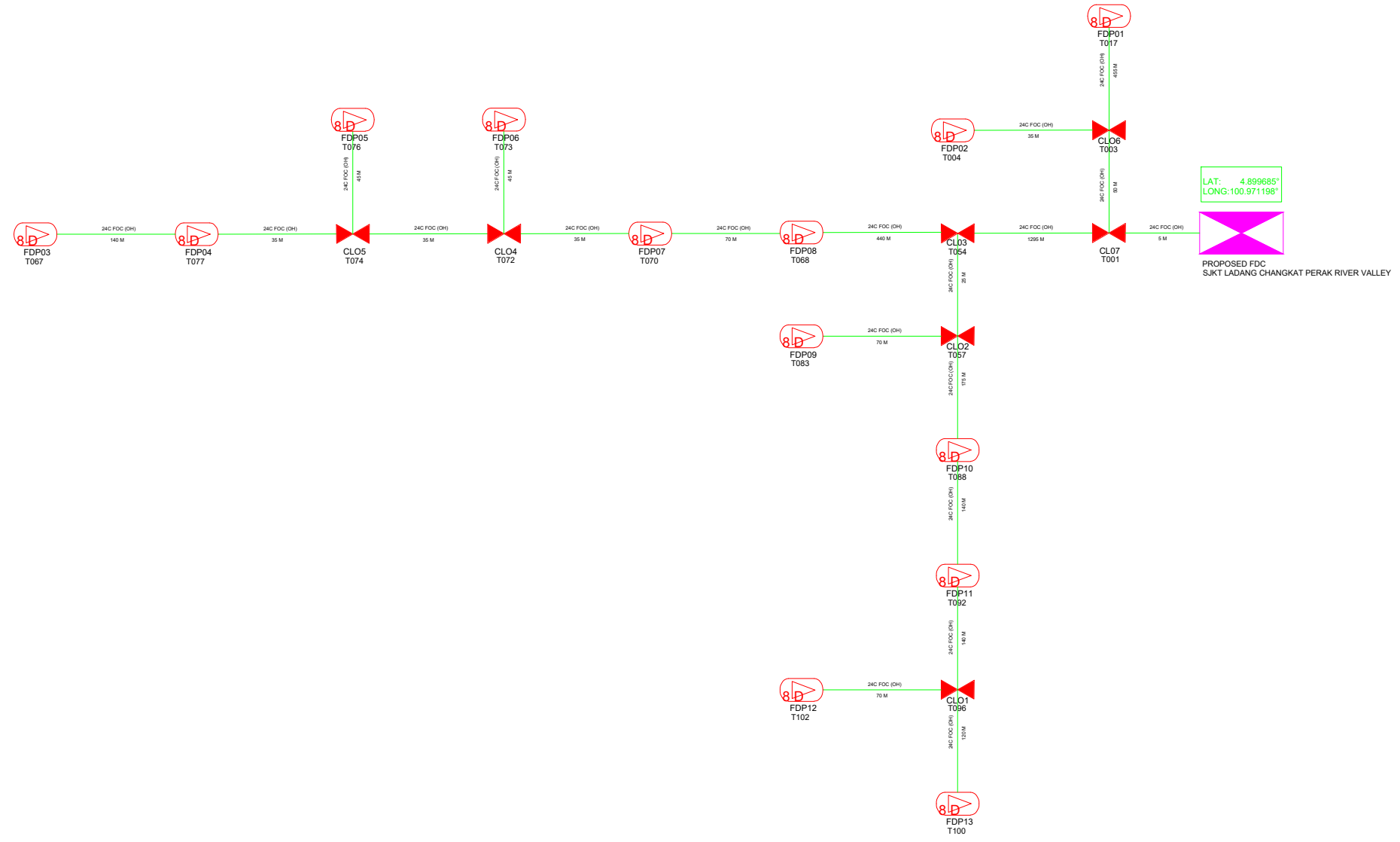
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SJKT LADANG PERAK RIVER VALLEY



LEGEND

12C FOC	Installed 1:8 splitter in FDC	Installed Pole (9m)	MANHOLE (JRC7)	TS / TB	Tension Small/Tension Big	HDD
24C FOC	FDP with (1:8) splitter	Installed Riser	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	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 - SJKT LADANG PERAK RIVER VALLEY	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 : 6/6 Size : A3