

TECHNICAL PROPOSAL

POP2 ABAA002 SEKOLAH KEBANGSAAN BALUN (D-SIDE)

Company Name	:	STEADCOM SDN BHD
Company Address	:	11-3, Jalan Puteri 2/6, Bandar Puteri, 47100 Puchong, Selangor
Prepared By	:	Fariz Aizat
Date	:	18/11/2024



POINT A

POINT B

Starting Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN BALUN
Address	:	Jalan Kampung Balun, Kg Balun, 35820 Slim River, Perak.
District	:	Slim River
Postcode	:	35820
State	:	Perak
GPS Coordinate	:	3.827924, 101.423805
LRD	:	A

End Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN BALUN
Address	:	Jalan Kampung Balun, Kg Balun, 35820 Slim River, Perak.
District	:	Slim River
Postcode	:	35820
State	:	Perak
GPS Coordinate	:	3.827877, 101.415117
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 Manhole	EA	0
2	Proposed Pole	EA	59
3	Joint Closure	EA	4
4	Estimated time required for completion	days	30

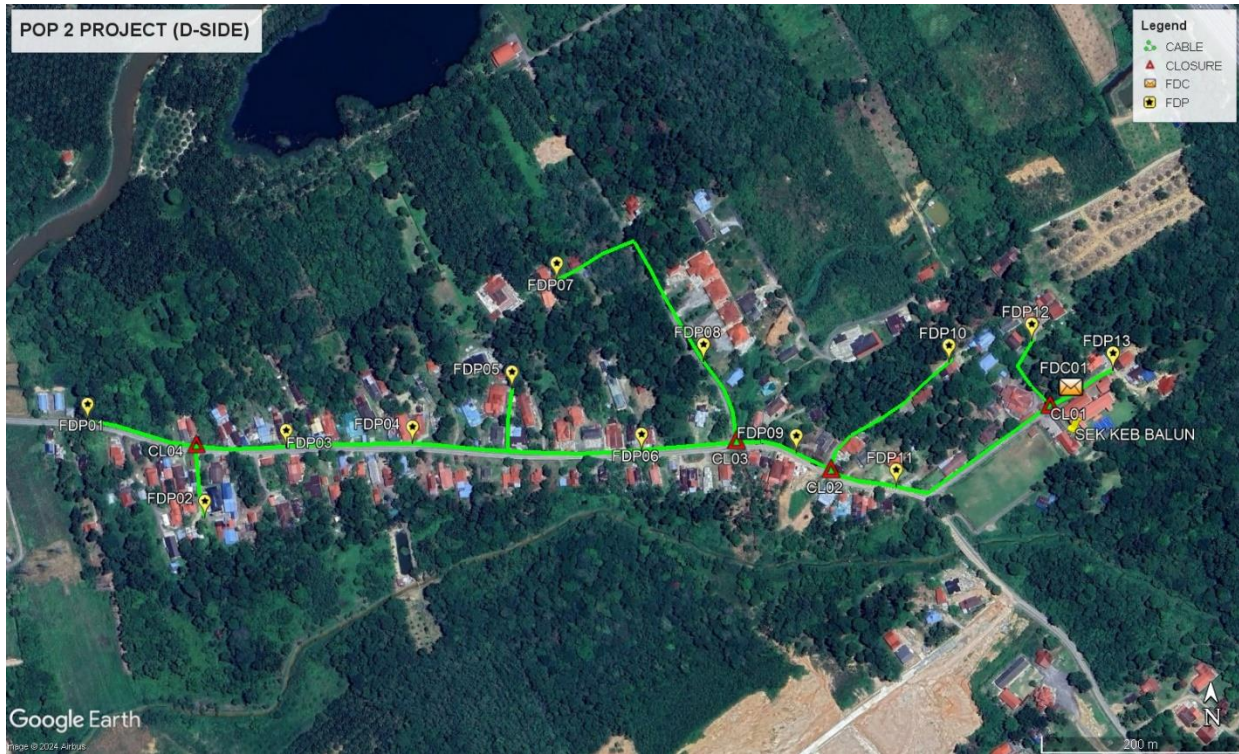
Local Authority Summary

1. Daerah Tanjong Malim

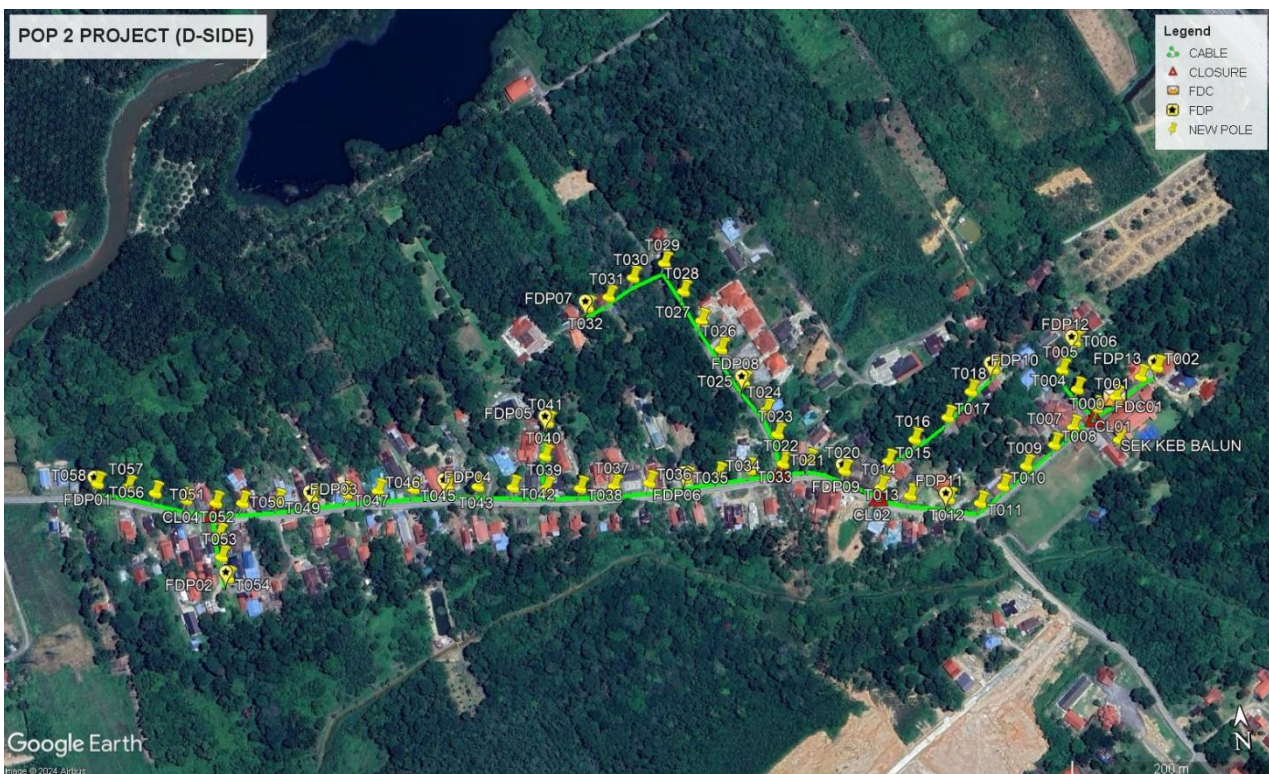
Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	28PCS	955m
		Majlis	31PCS	950m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				1905m

Site Plan – KMZ (Overview site area)

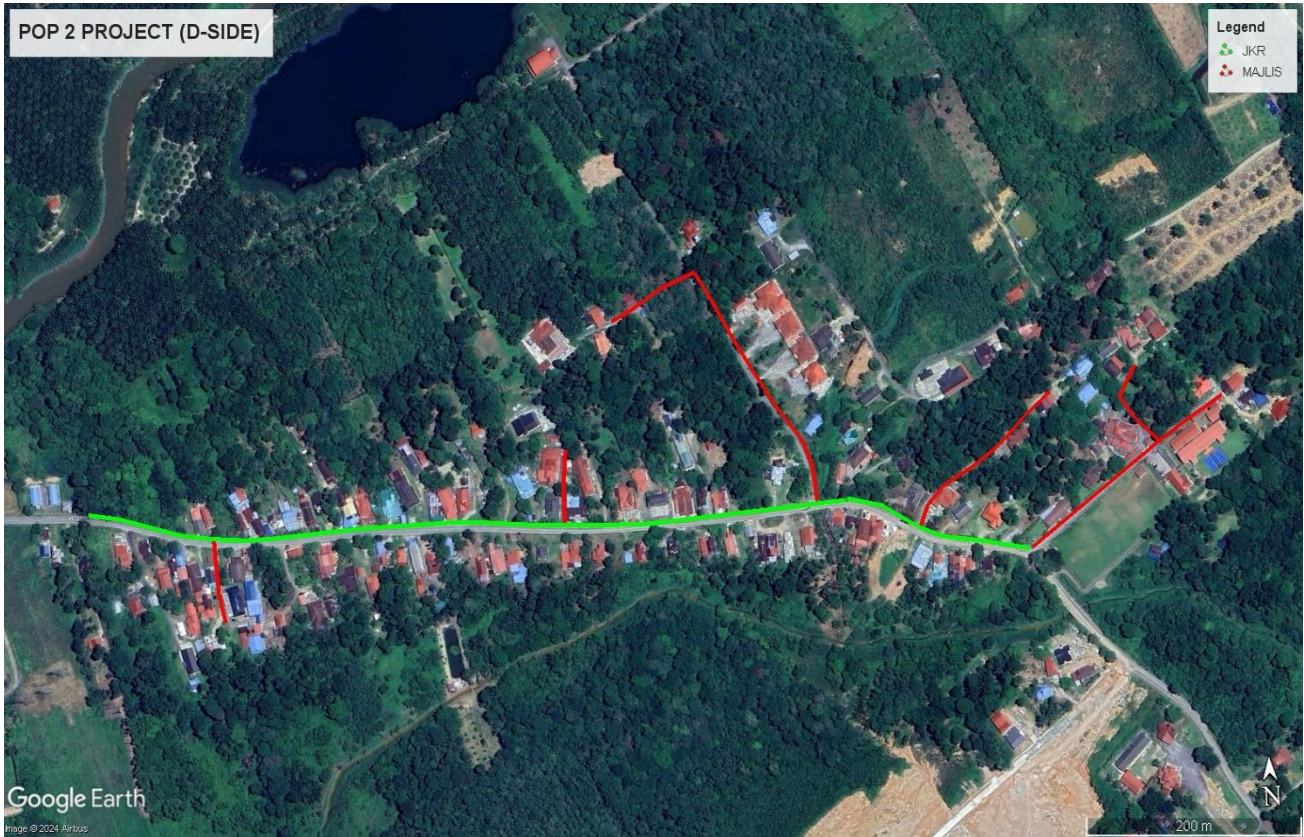
Proposed FDP and Closure



Proposed New Pole



Site Plan – KMZ Routing (All Local Authority)



Green Colour – JKR Muallim

Red Colour – Majlis Daerah Tanjung Malim

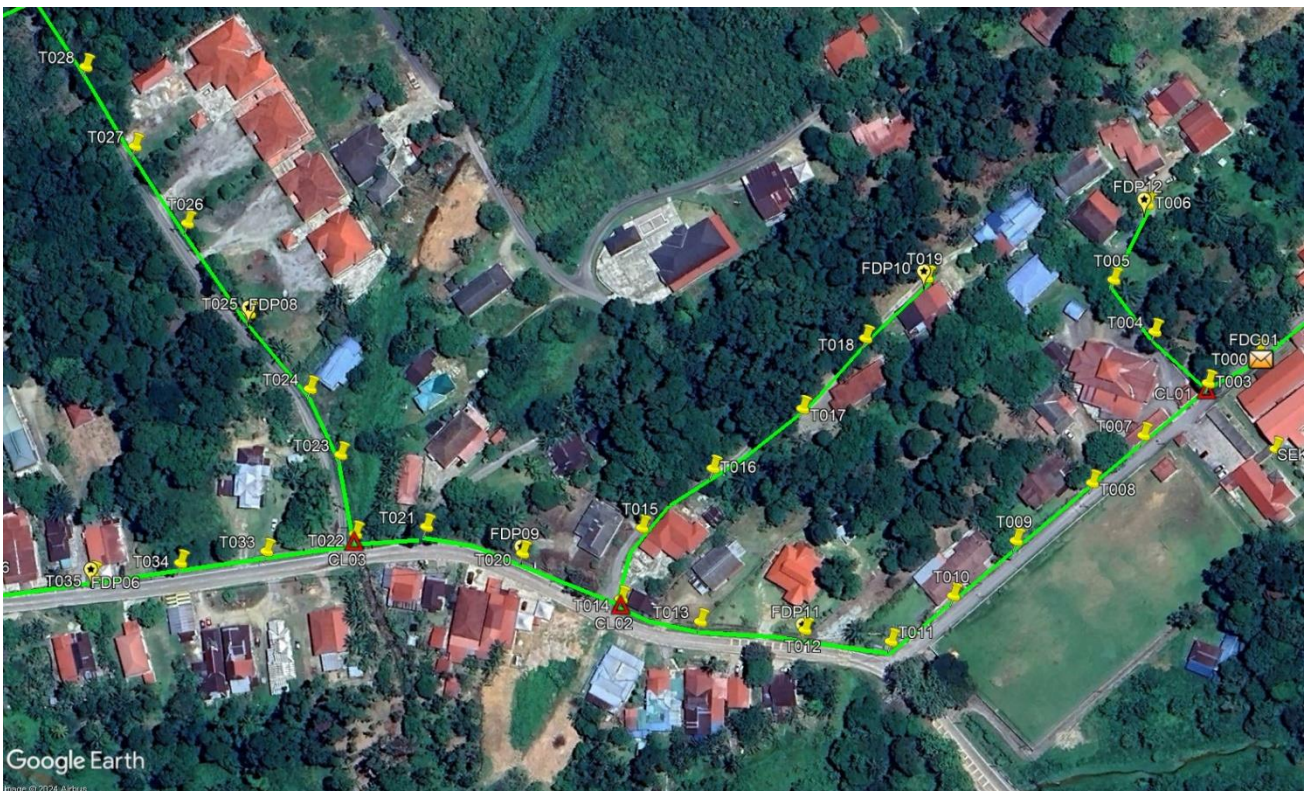
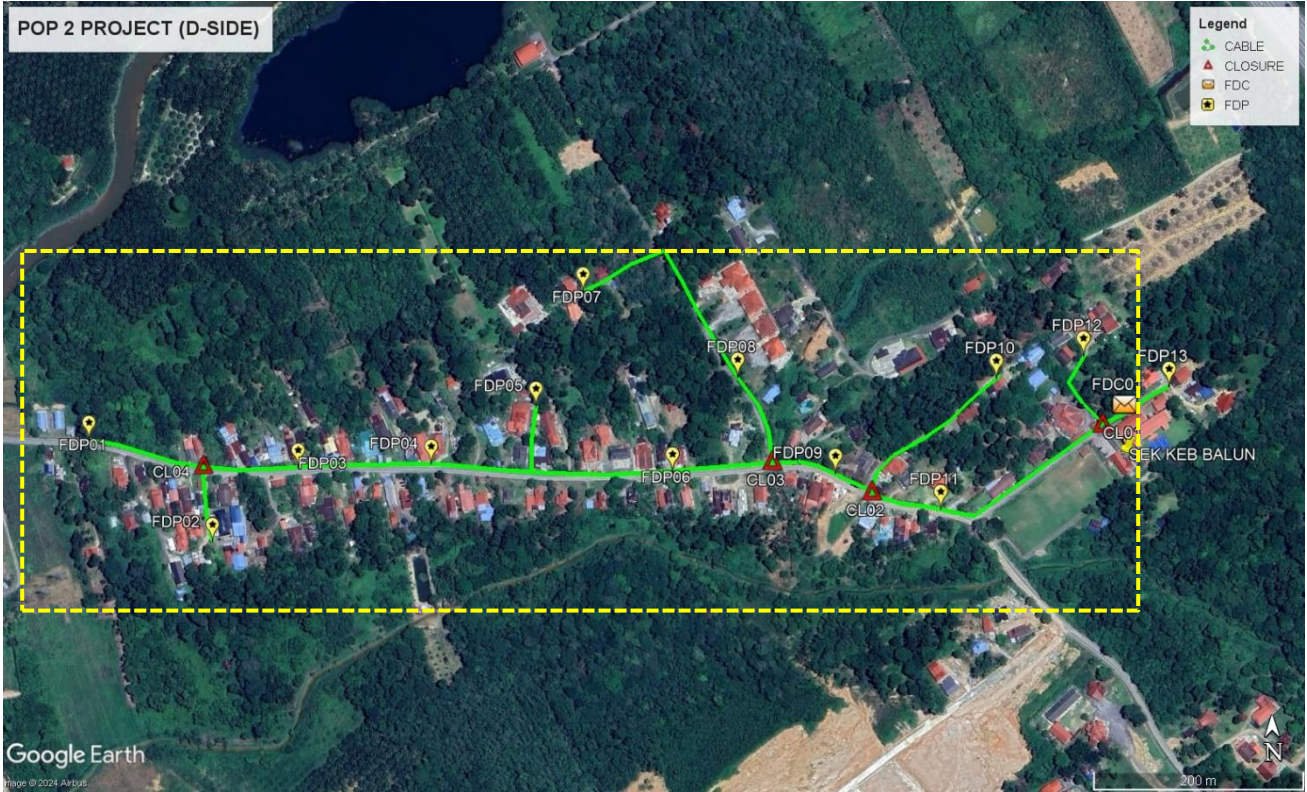
Site Plan – KMZ Routing (All site area)

Route 1

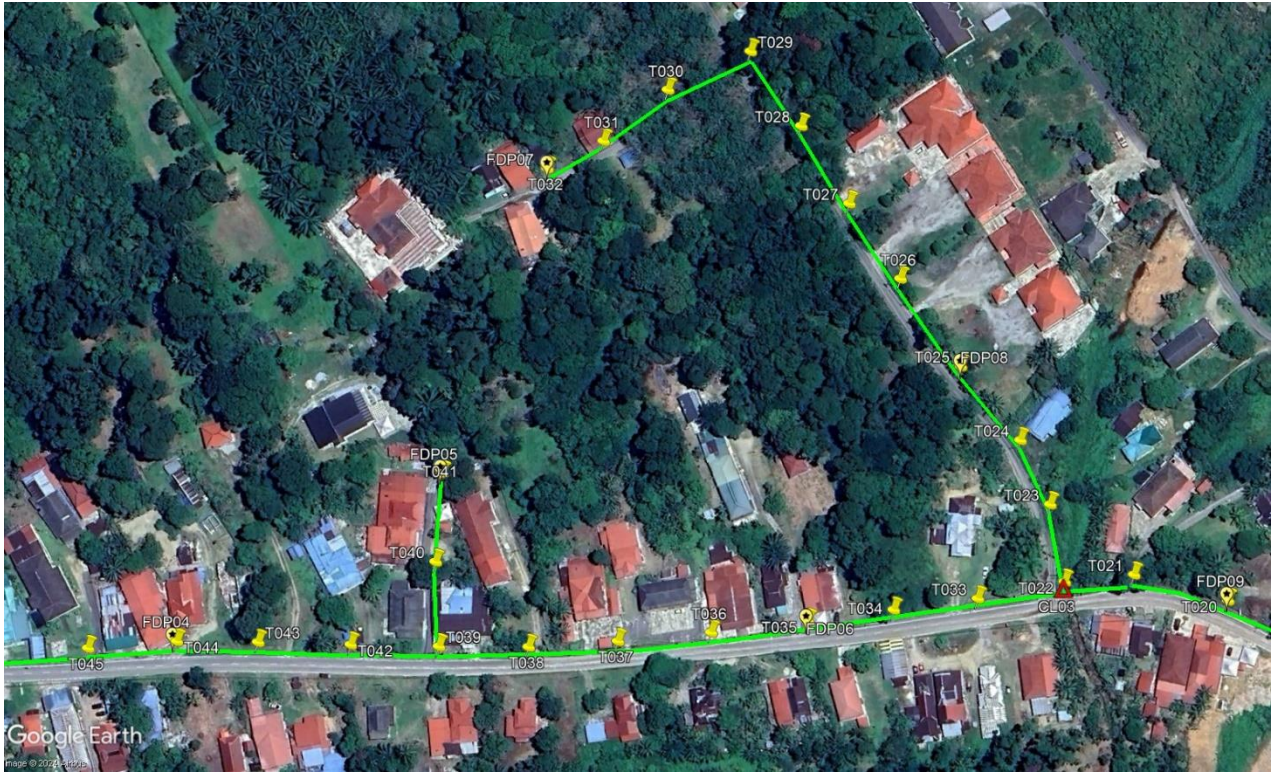


Route 1.1

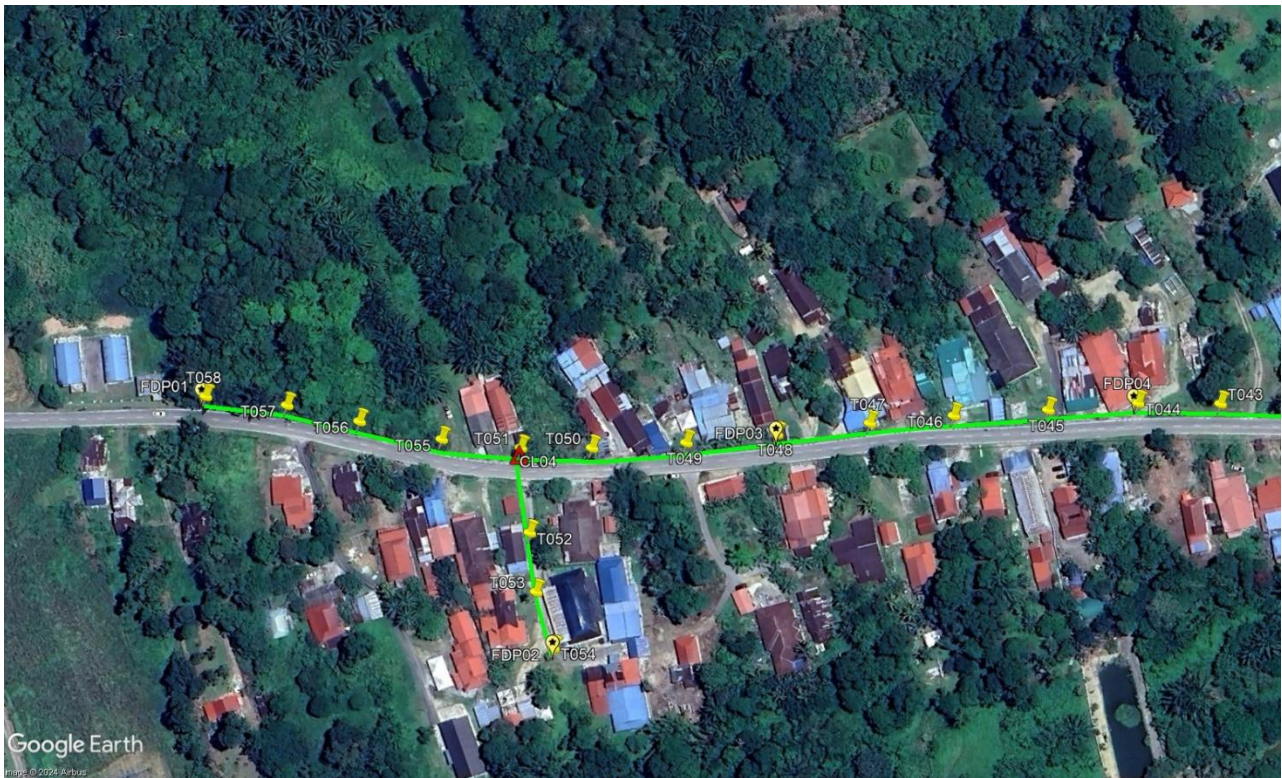
Route 2



Route 2.1

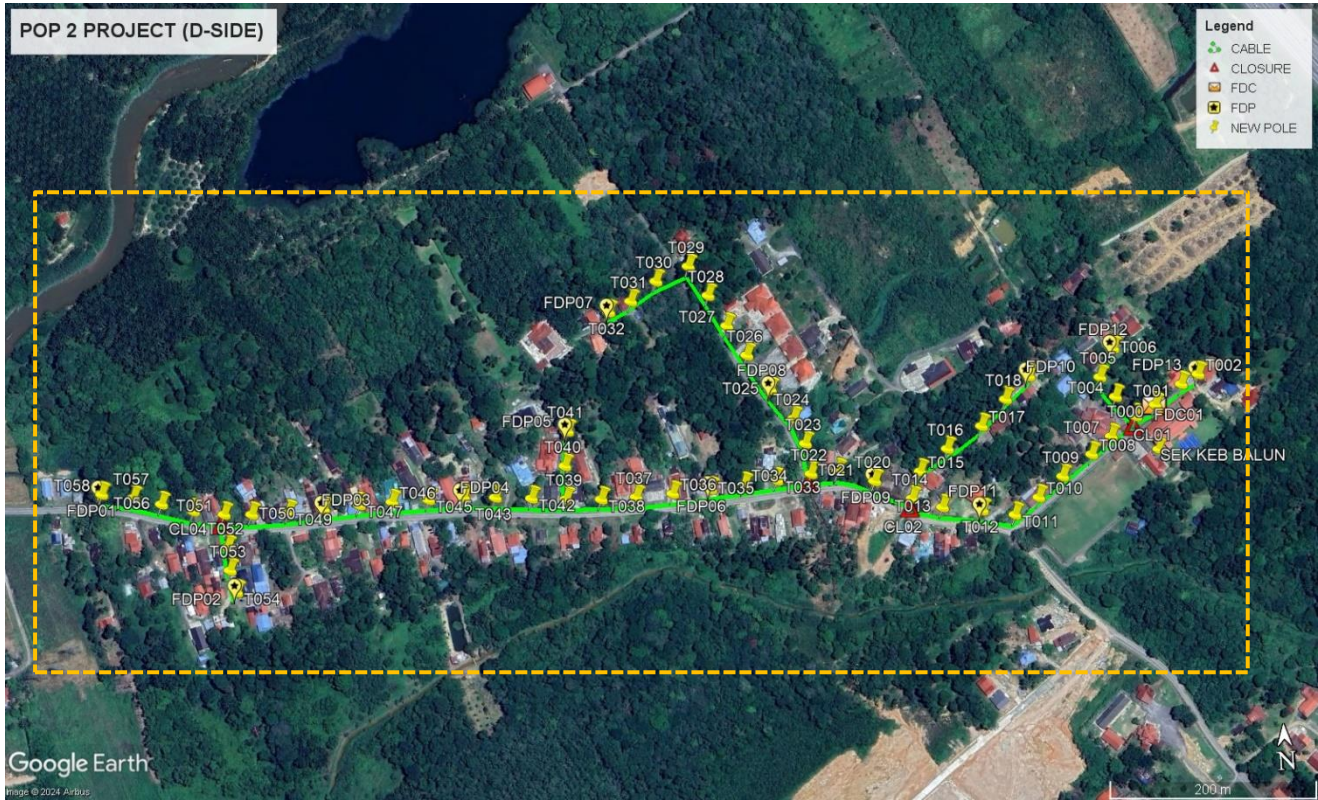


Route 2.2



Route 2.3

Site Plan – KMZ Routing (Proposed new Pole)



Proposed New Pole Lat & Long Table

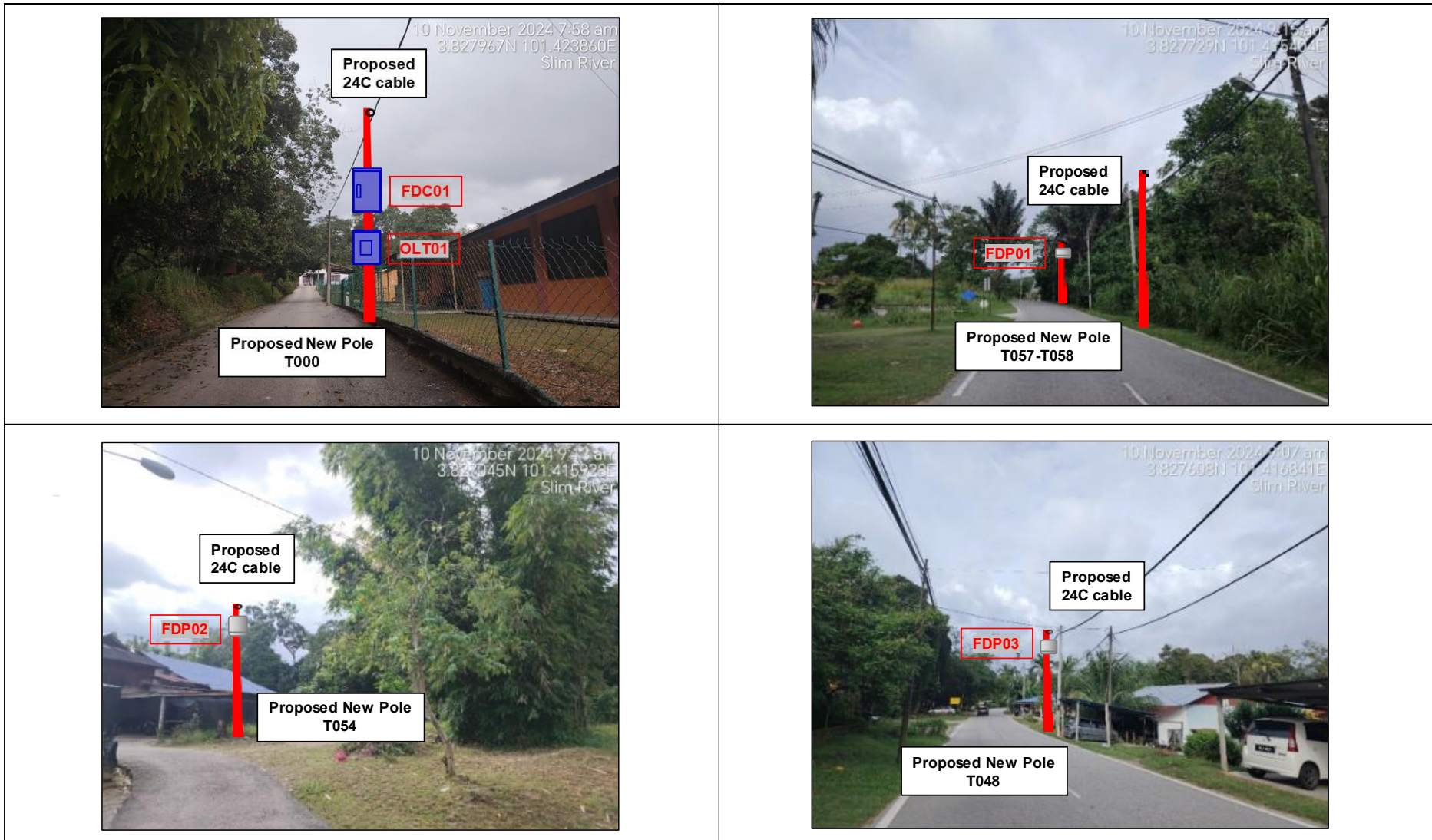
No.	Label	Pole & Manhole ID	Latitude	Longitude	Local Authority
1	OLT / FDC	T000	3.828087	101.424014	MAJLIS DAERAH TANJONG MALIM
2	FDP01	T058	3.827936	101.414816	JKR DAERAH MUALLIM
3	FDP02	T054	3.827009	101.415931	MAJLIS DAERAH TANJONG MALIM
4	FDP03	T048	3.827677	101.416734	JKR DAERAH MUALLIM
5	FDP04	T044	3.827698	101.417957	JKR DAERAH MUALLIM
6	FDP05	T041	3.828207	101.418898	MAJLIS DAERAH TANJONG MALIM
7	FDP06	T035	3.827620	101.420107	JKR DAERAH MUALLIM
8	FDP07	T032	3.829214	101.419327	MAJLIS DAERAH TANJONG MALIM
9	FDP08	T025	3.828447	101.420684	MAJLIS DAERAH TANJONG MALIM
10	FDP09	T020	3.827592	101.421535	JKR DAERAH MUALLIM
11	FDP10	T019	3.828409	101.422935	MAJLIS DAERAH TANJONG MALIM
12	FDP11	T012	3.827276	101.422452	JKR DAERAH MUALLIM
13	FDP12	T006	3.828601	101.423681	MAJLIS DAERAH TANJONG MALIM
14	FDP13	T002	3.828327	101.424405	MAJLIS DAERAH TANJONG MALIM
15	CL01	T003	3.827999	101.423840	MAJLIS DAERAH TANJONG MALIM
16	CL02	T014	3.827420	101.421851	JKR DAERAH MUALLIM
17	CL03	T022	3.827694	101.420986	JKR DAERAH MUALLIM
18	CL04	T051	3.827690	101.415867	JKR DAERAH MUALLIM

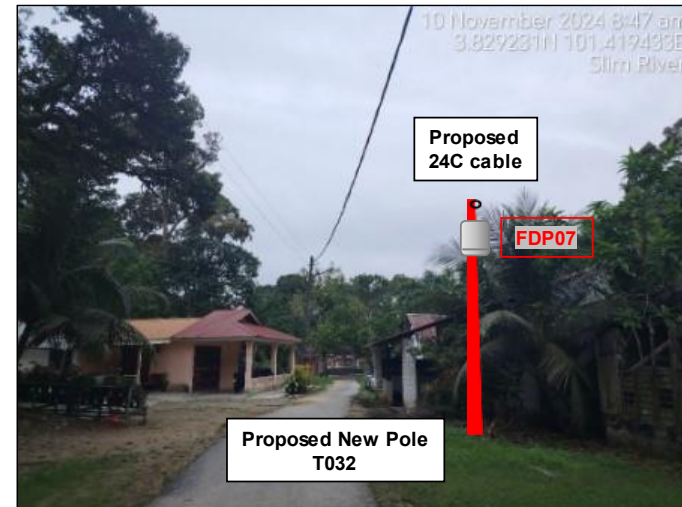
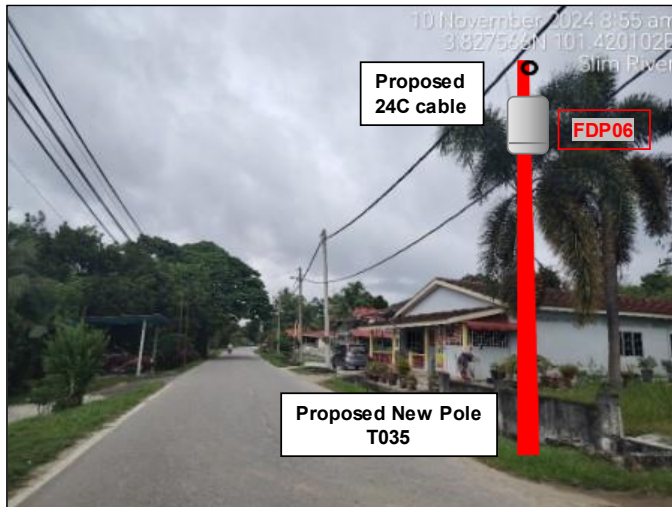
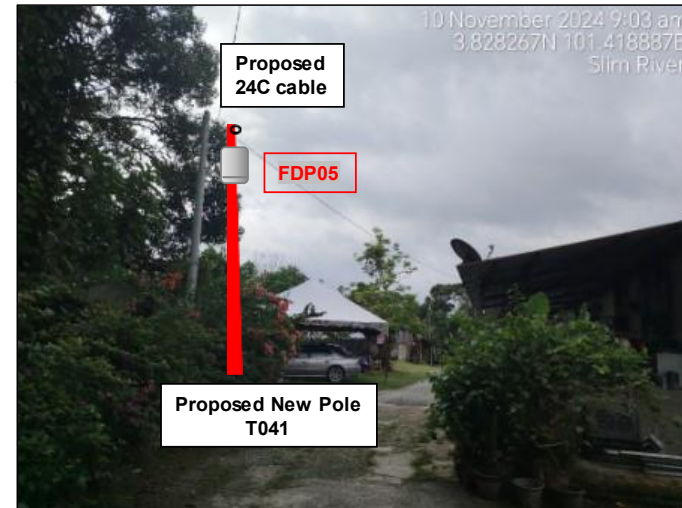
Overall Pole (Proposed New)

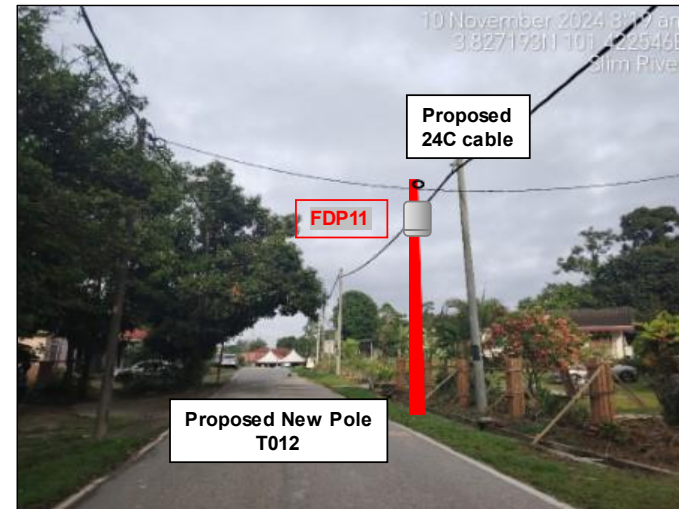
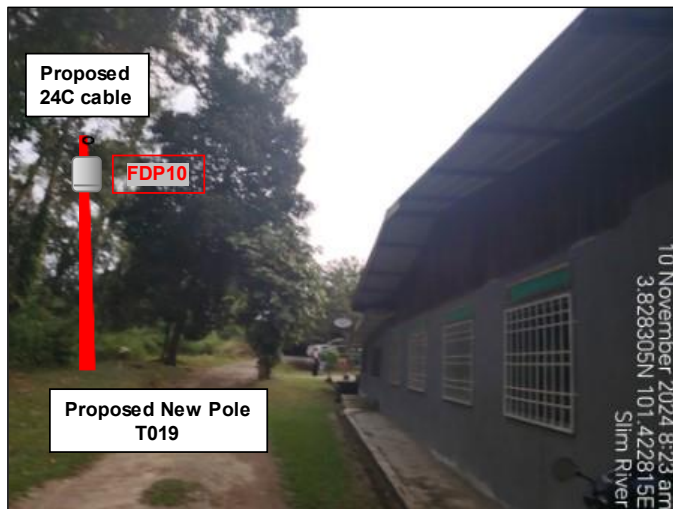
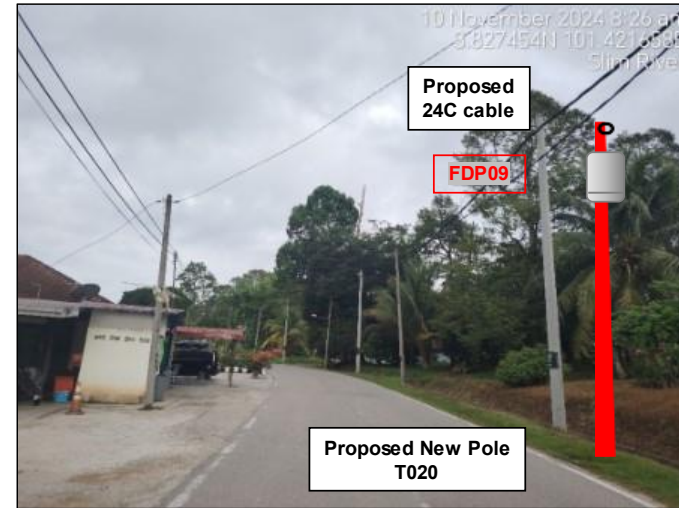
No.	Pole & Manhole ID	Distance	Latitude	Longitude	Local Authority
1	T000	0	3.828087	101.424014	MAJLIS DAERAH TANJONG MALIM
2	T001	35	3.828251	101.424252	MAJLIS DAERAH TANJONG MALIM
3	T002	20	3.828327	101.424405	MAJLIS DAERAH TANJONG MALIM
4	T003	30	3.827999	101.423840	MAJLIS DAERAH TANJONG MALIM
5	T004	30	3.828180	101.423675	MAJLIS DAERAH TANJONG MALIM
6	T005	30	3.828360	101.423552	MAJLIS DAERAH TANJONG MALIM
7	T006	30	3.828601	101.423681	MAJLIS DAERAH TANJONG MALIM
8	T007	35	3.827840	101.423615	MAJLIS DAERAH TANJONG MALIM
9	T008	30	3.827696	101.423435	MAJLIS DAERAH TANJONG MALIM
10	T009	30	3.827522	101.423170	MAJLIS DAERAH TANJONG MALIM
11	T010	30	3.827355	101.422950	MAJLIS DAERAH TANJONG MALIM
12	T011	30	3.827219	101.422734	JKR DAERAH MUALLIM
13	T012	35	3.827276	101.422452	JKR DAERAH MUALLIM
14	T013	35	3.827327	101.422108	JKR DAERAH MUALLIM
15	T014	35	3.827420	101.421851	JKR DAERAH MUALLIM
16	T015	30	3.827649	101.421937	MAJLIS DAERAH TANJONG MALIM
17	T016	35	3.827649	101.421937	MAJLIS DAERAH TANJONG MALIM
18	T017	35	3.828006	101.422495	MAJLIS DAERAH TANJONG MALIM
19	T018	35	3.828224	101.422719	MAJLIS DAERAH TANJONG MALIM
20	T019	35	3.828409	101.422935	MAJLIS DAERAH TANJONG MALIM
21	T020	40	3.827592	101.421535	JKR DAERAH MUALLIM
22	T021	40	3.827702	101.421223	JKR DAERAH MUALLIM
23	T022	35	3.827694	101.420986	JKR DAERAH MUALLIM
24	T023	30	3.827959	101.420955	MAJLIS DAERAH TANJONG MALIM
25	T024	30	3.828183	101.420869	MAJLIS DAERAH TANJONG MALIM
26	T025	35	3.828447	101.420684	MAJLIS DAERAH TANJONG MALIM
27	T026	35	3.828758	101.420500	MAJLIS DAERAH TANJONG MALIM
28	T027	35	3.829025	101.420344	MAJLIS DAERAH TANJONG MALIM
29	T028	35	3.829299	101.420199	MAJLIS DAERAH TANJONG MALIM
30	T029	35	3.829563	101.420045	MAJLIS DAERAH TANJONG MALIM
31	T030	35	3.829453	101.419756	MAJLIS DAERAH TANJONG MALIM
32	T031	30	3.829294	101.419525	MAJLIS DAERAH TANJONG MALIM
33	T032	30	3.829214	101.419327	MAJLIS DAERAH TANJONG MALIM
34	T033	35	3.827657	101.420688	JKR DAERAH MUALLIM
35	T034	35	3.827638	101.420400	JKR DAERAH MUALLIM
36	T035	35	3.827620	101.420107	JKR DAERAH MUALLIM
37	T036	35	3.827604	101.419775	JKR DAERAH MUALLIM
38	T037	35	3.827596	101.419456	JKR DAERAH MUALLIM
39	T038	35	3.827597	101.419152	JKR DAERAH MUALLIM
40	T039	35	3.827620	101.418847	JKR DAERAH MUALLIM

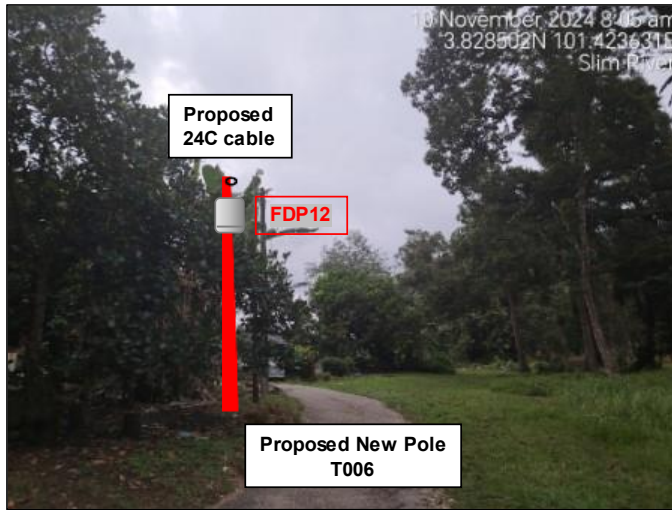
41	T040	35	3.827908	101.418855	MAJLIS DAERAH TANJONG MALIM
42	T041	30	3.828207	101.418898	MAJLIS DAERAH TANJONG MALIM
43	T042	35	3.827646	101.418547	JKR DAERAH MUALLIM
44	T043	35	3.827676	101.418233	JKR DAERAH MUALLIM
45	T044	30	3.827698	101.417957	JKR DAERAH MUALLIM
46	T045	30	3.827695	101.417652	JKR DAERAH MUALLIM
47	T046	35	3.827698	101.417333	JKR DAERAH MUALLIM
48	T047	35	3.827692	101.417049	JKR DAERAH MUALLIM
49	T048	35	3.827677	101.416734	JKR DAERAH MUALLIM
50	T049	35	3.827669	101.416426	JKR DAERAH MUALLIM
51	T050	35	3.827673	101.416107	JKR DAERAH MUALLIM
52	T051	30	3.827690	101.415867	JKR DAERAH MUALLIM
53	T052	35	3.827403	101.415878	MAJLIS DAERAH TANJONG MALIM
54	T053	25	3.827202	101.415885	MAJLIS DAERAH TANJONG MALIM
55	T054	25	3.827009	101.415931	MAJLIS DAERAH TANJONG MALIM
56	T055	30	3.827737	101.415603	JKR DAERAH MUALLIM
57	T056	30	3.827817	101.415329	JKR DAERAH MUALLIM
58	T057	30	3.827888	101.415089	JKR DAERAH MUALLIM
59	T058	35	3.827936	101.414816	JKR DAERAH MUALLIM

Site Photos - Proposed to install pole









3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	JKR Muallim	
2	Majlis Daerah Tanjung Malim	
3		
4		
5		
6		



120C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	59	New Manhole (PT)	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	2025m Installed Patch Cord	Installed Pole (7.5M)	Tension	110	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC	F3C	Installed Pole (6.7M)	Pole Ring	13	F3P Boundary	Loop # Coil (Meter)	90	New Pole NO.
96C FOC	Closure	Existing TNB Pole	F3P with (1:8) splitter	13	H2O (Meter)	Active Outdoor Cabinet	CL01	Closure NO.
144C 10C	Existing Closure	Installed Reel	Existing Manhole		Open Cut (Meter)	FDC NO.	001	FDP NO.

ACTUAL HOMEPASS :

KEY PLAN:	PROJECT OWNER: APEX COMMUNICATIONS SDN BHD 187475-V PRIVASAT	MAIN CONTRACTOR: STEADCOM A member of OCK Group Berhad	SUB-CONTRACTOR:	PROJECT TITLE: CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE & PERMIT APPROVAL -POP2 PROJECT	DRAWING TITLE: Construction Drawing ABAA002 SEKOLAH KEBANGSAAN BALUN	Design By : Date : 18/11/2024
					PROJECT PHASE: POP 2	Scale : NTS
						Checked By : Job Number : JOB/NUMBER
						DRAWING NUMBER : ABAA002-CD-01 Sheet : 1/3
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<table border="0"> <tr> <td>12C FDC</td> <td>Instalace Patch Card</td> <td>Installed Pole (9m)</td> <td>Suspension</td> <td>59</td> <td>How Manhole (FII)</td> <td>Micro-trenching (Meter)</td> <td>MH1</td> <td>WH NO.</td> </tr> <tr> <td>24C FDC</td> <td>Instalace Patch Card</td> <td>Instalace Pole (7.5M)</td> <td>Tension</td> <td>110</td> <td>New Manhole(RC7)</td> <td>Temporary infra (Meter)</td> <td>TKS-1</td> <td>Existing TNB Pole NO.</td> </tr> <tr> <td>48C FDC</td> <td>FDC</td> <td>Instalace Pole (6.7M)</td> <td>Pole Ring</td> <td>13</td> <td>FDP Bouncery</td> <td>Loop / Coil (Meter)</td> <td>PO01</td> <td>New Pole NO.</td> </tr> <tr> <td>96C FDC</td> <td>Closure</td> <td>Existing IN3 Pole</td> <td>FDP with (1:8) splitter</td> <td>13</td> <td>HDD (Meter)</td> <td>Active Outdoor Cabinet</td> <td>CL01</td> <td>Closure NO.</td> </tr> <tr> <td>144C FDC</td> <td>Existing Closure</td> <td>Instalced Riser</td> <td>Existing Manhole</td> <td></td> <td>Open Cut (Meter)</td> <td>FDC NO.</td> <td>DP1</td> <td>FDP NO.</td> </tr> </table>	12C FDC	Instalace Patch Card	Installed Pole (9m)	Suspension	59	How Manhole (FII)	Micro-trenching (Meter)	MH1	WH NO.	24C FDC	Instalace Patch Card	Instalace Pole (7.5M)	Tension	110	New Manhole(RC7)	Temporary infra (Meter)	TKS-1	Existing TNB Pole NO.	48C FDC	FDC	Instalace Pole (6.7M)	Pole Ring	13	FDP Bouncery	Loop / Coil (Meter)	PO01	New Pole NO.	96C FDC	Closure	Existing IN3 Pole	FDP with (1:8) splitter	13	HDD (Meter)	Active Outdoor Cabinet	CL01	Closure NO.	144C FDC	Existing Closure	Instalced Riser	Existing Manhole		Open Cut (Meter)	FDC NO.	DP1	FDP NO.	<p>KEY PLAN:</p>	<p>PROJECT OWNER:</p>	<p>MAIN CONTRACTOR:</p>	<p>SUB-CONTRACTOR:</p>	<p>PROJECT TITLE:</p> <p>CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE & PERMIT APPROVAL -POP2 PROJECT</p>	<p>DRAWING TITLE:</p> <p>Construction Drawing ABAA002 SEKOLAH KEBANGSAAN BALUN</p> <p>PROJECT PHASE: POP 2</p>	<p>ACTUAL HOMEPASS :</p>	<p>Design By : Checked By : DRAWING NUMBER : JOB/NUMBER</p>	<p>Date : 18/11/2024 Scale : NTS Job Number : Sheet : 2/3 Size : A3</p>
12C FDC	Instalace Patch Card	Installed Pole (9m)	Suspension	59	How Manhole (FII)	Micro-trenching (Meter)	MH1	WH NO.																																														
24C FDC	Instalace Patch Card	Instalace Pole (7.5M)	Tension	110	New Manhole(RC7)	Temporary infra (Meter)	TKS-1	Existing TNB Pole NO.																																														
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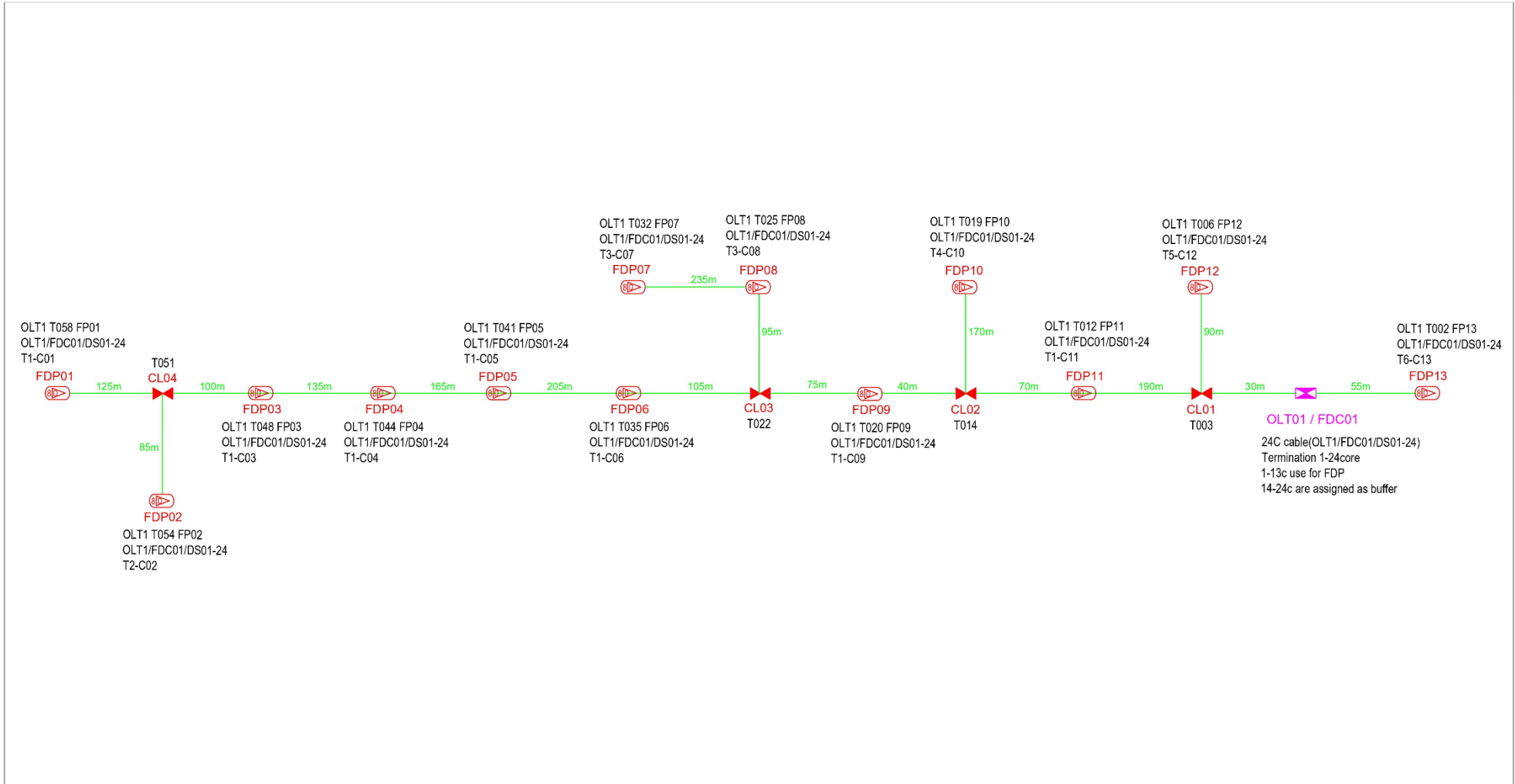


12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	59	New Manhole (PT)	Micro-trenching (Meter)	MH	MH NO.
24C FOC	2025m Installed Patch Cord	Installed Pole (7.5M)	Tension	110	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing TUB Pole NO.
48C FOC	FDC	Installed Pole (6.7M)	Pole Ring	13	FD Boundary	Loop / Coil (Meter)	P001	New Pole NO.
96C FOC	Closure	Existing TN3 Pole	FD with (1:8) splitter	13	FDJ (Meter)	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC	Existing Closure	Installed Riser	Existing Manhole		Open Cut (Meter)	FD NO.	GPI	FD NO.

ACTUAL HOVEPASS :

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					PROJECT PHASE: POP 2	Scale : N/A
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						Sheet : 3/3
						Size : A3

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12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	○	Installed Pole (9m)	s	Suspension	59	MS1	New Manhole (P1)	Micro-Trenching (Meter)	MH	MH NO.
24C FOC	2025m Installed Patch Card	●	Installed Pole (7.5M)	T	Tension	110	MS2	New Manhole (R/C 2)	Imaginary Intra (Meter)	TKS-1	Existing TNE Pole NO.
48C FOC	FDC	1	Installed Pole (6.7M)	⊕	Pole Ring	13	MS3	FDP Boundary	Loop / Coil (Meter)	PO01	New Pole NO.
96C FOC	Closure	4	Existing TNE Pole	⊗	FDP with 1:8 splitter	13	MS4	HDD (Meter)	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC	Existing Closure	□	Installed Riser	⊞	Existing Manhole		MS5	Open Out (Meter)	FDC NO.	DP1	FDP NO.

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				PROJECT PHASE: POP 2		Drawn By : Scale : NTS
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