

TECHNICAL PROPOSAL

POP2 ABA6057 SEKOLAH KEBANGSAAN PERMATANG RAJA (D/SIDE)

Company Name : Quality Expansion Sdn. Bhd.
Company Address : Lot 1332, Mukim 11, Jalan Nyior Sebatang, 13300 Tasek Gelugor,
Pulau Pinang
Prepared By : Muhammad Jazli bin Muhammad
Date : 01/08/2024



POINT A

POINT B

Starting Point

Site / Boundary Name	:	Pantai Remis
Address	:	Kampung Melayu, 32500 Pantai Remis, Perak
District	:	Manjung
Postcode	:	32500
State	:	Perak
GPS Coordinate	:	4.551474, 100.675550
LRD	:	A

End Point

Site / Boundary Name	:	Pantai Remis
Address	:	Kampung Melayu, 32500 Pantai Remis, Perak
District	:	Manjung
Postcode	:	32500
State	:	Perak
GPS Coordinate	:	4.526974, 100.672853
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	Installation of Short Span ADSS Fibre Cables	m	4,680
2	Install New Pole	ea	134
2	Install New JRC7 Manhole	ea	0
	Install GI Riser 100mm	ea	0
3	Install Fiber Distribution Point and Closure (Splicing, Termination and Testing)	ea	13: FDP 2: Closure
4	Estimated Time Required for Completion	days	30

Local Authority Summary

1. Daerah Pantai Remis

Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	38 pcs	109m
		Majlis	20pcs	434m
		Estate / Private Land	8 pcs	4,137m
Total				4,680m

Site Plan – KMZ (Overview site area)



Site Plan – KMZ Routing (All Local Authority)



Orange – Estate/Private Land

Red – JKR Daerah Manjung

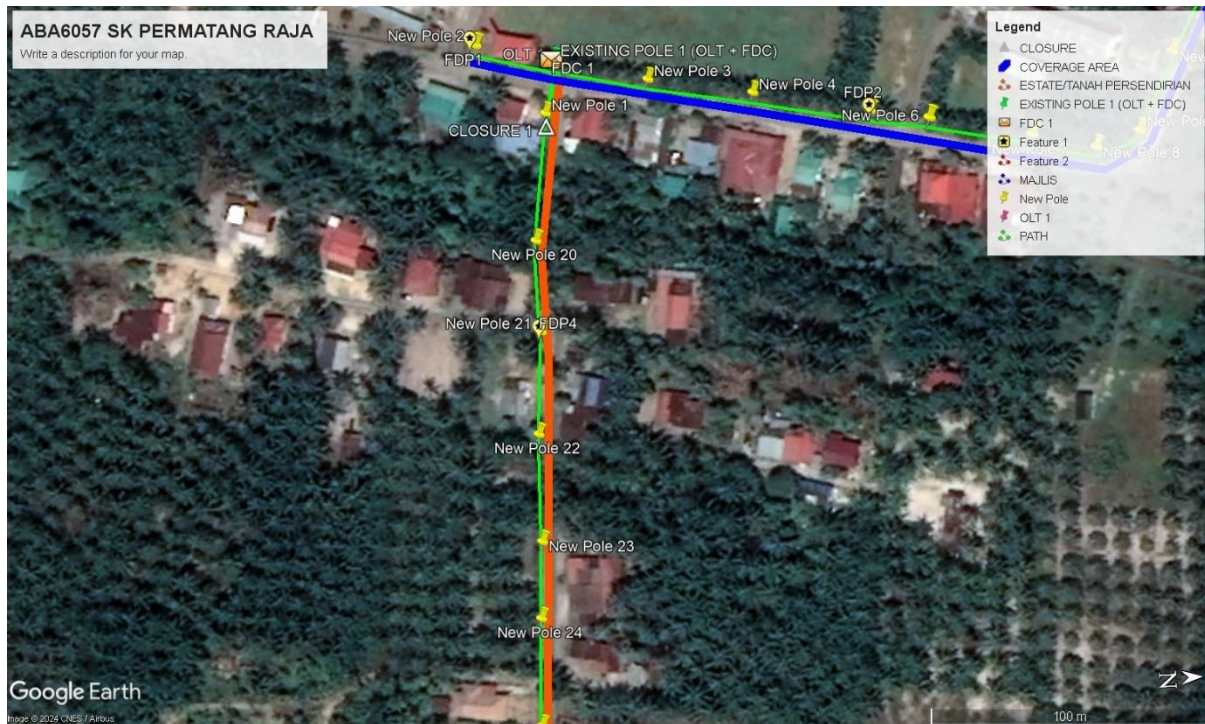
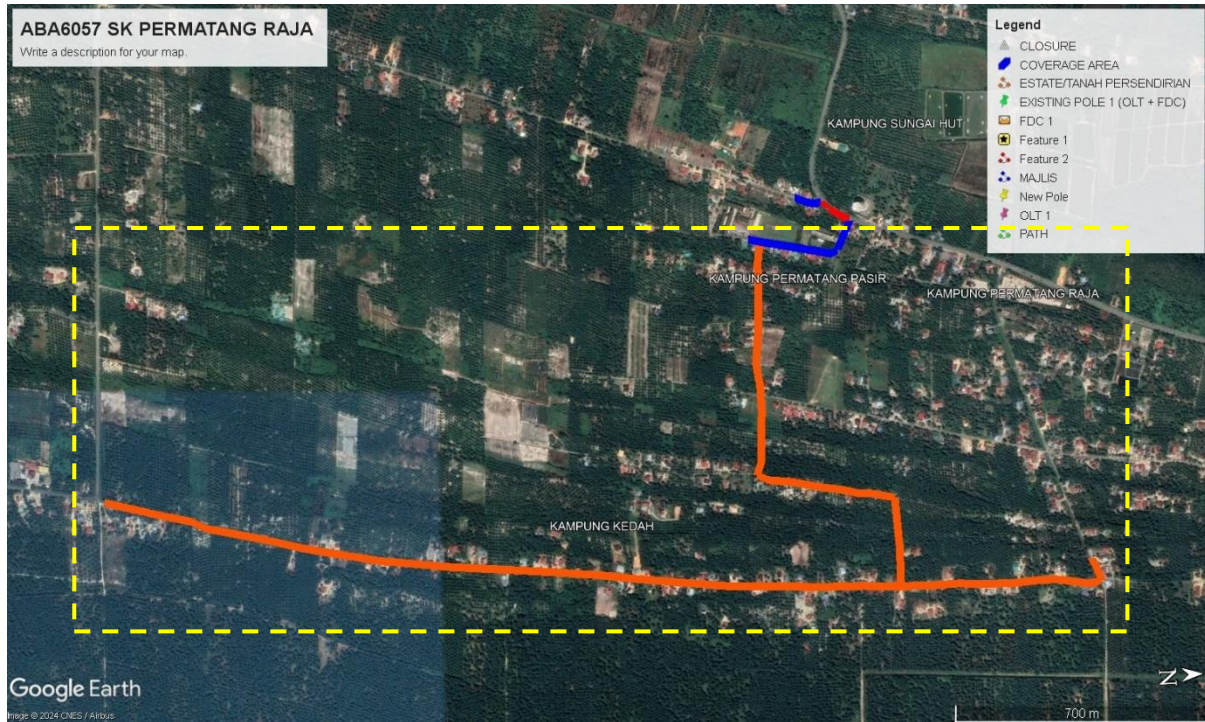
Blue – Majlis Perbandaran Manjung

Site Plan – KMZ Routing (All site area)

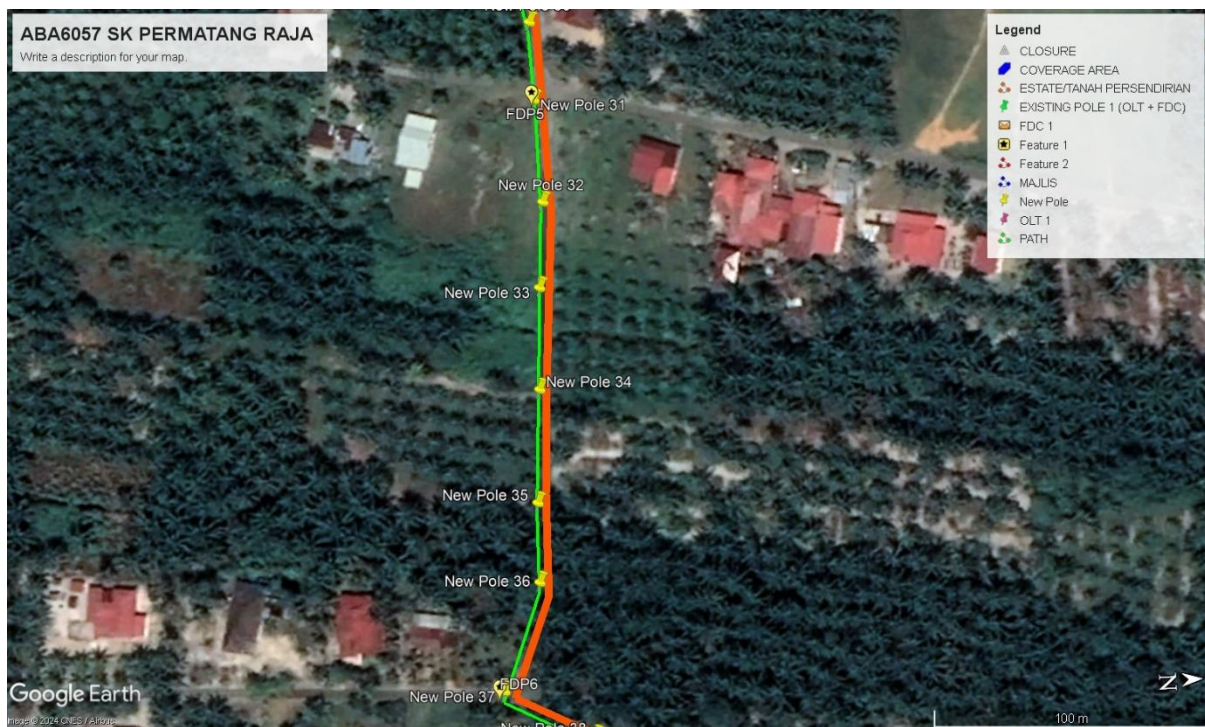
Route 1



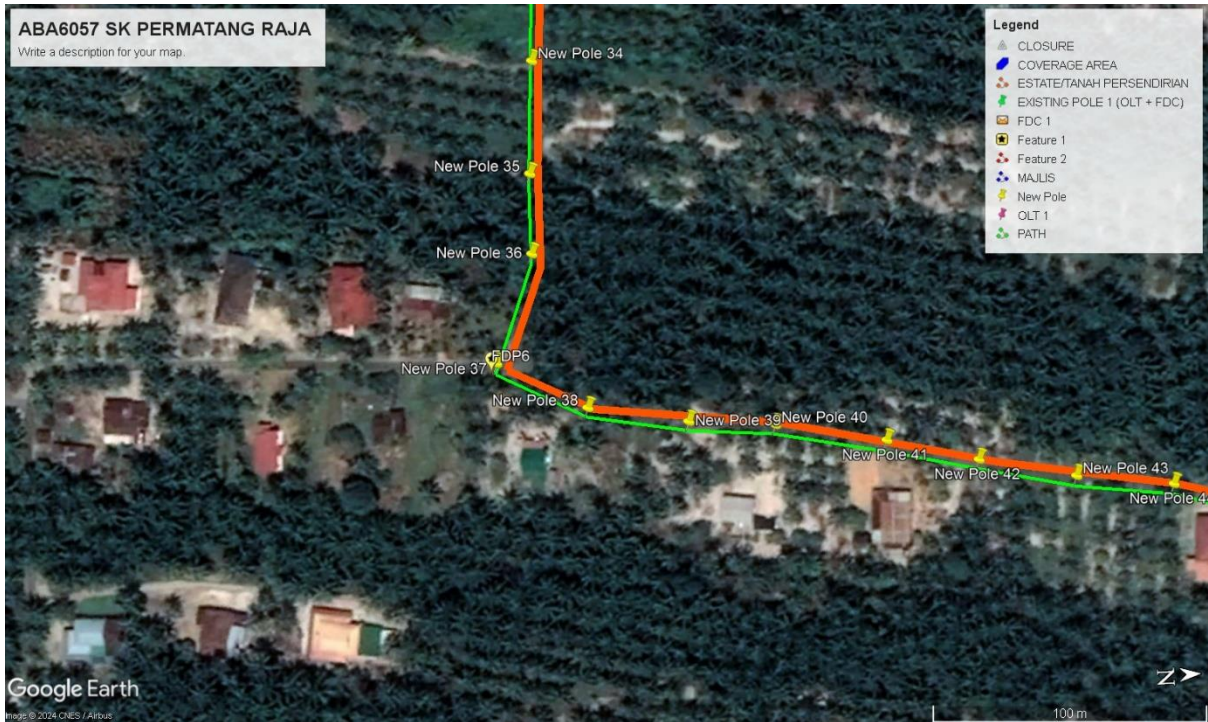
Route 2



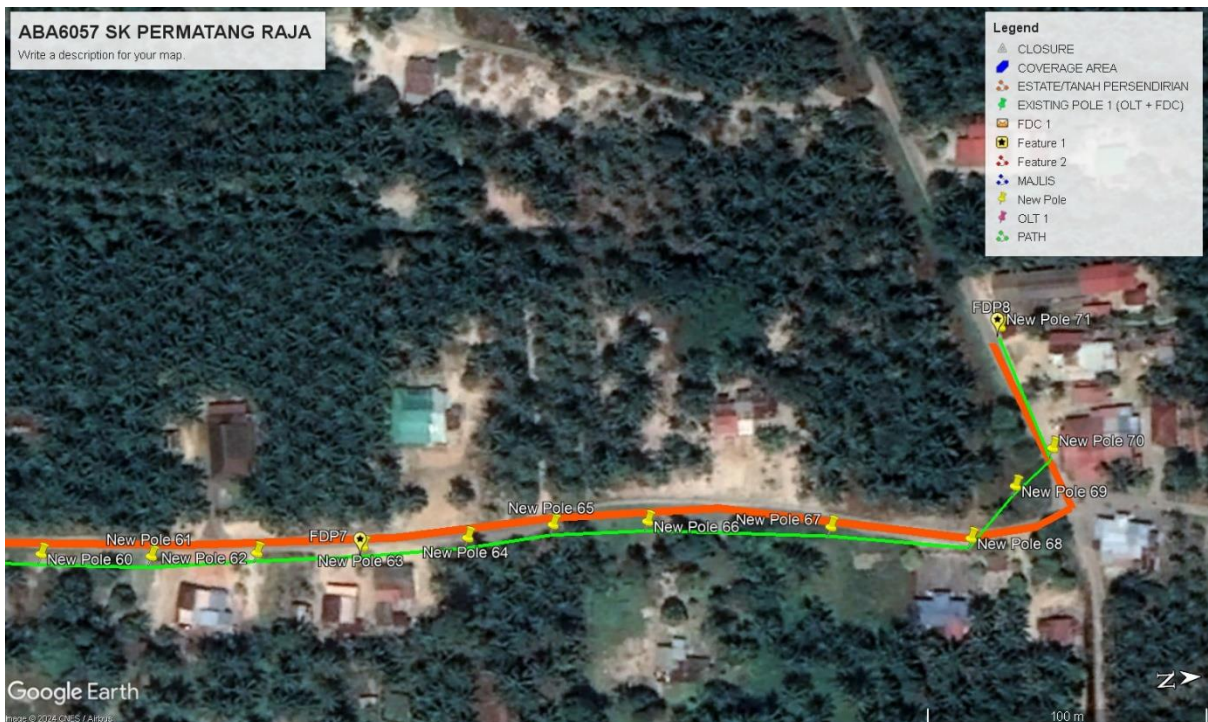
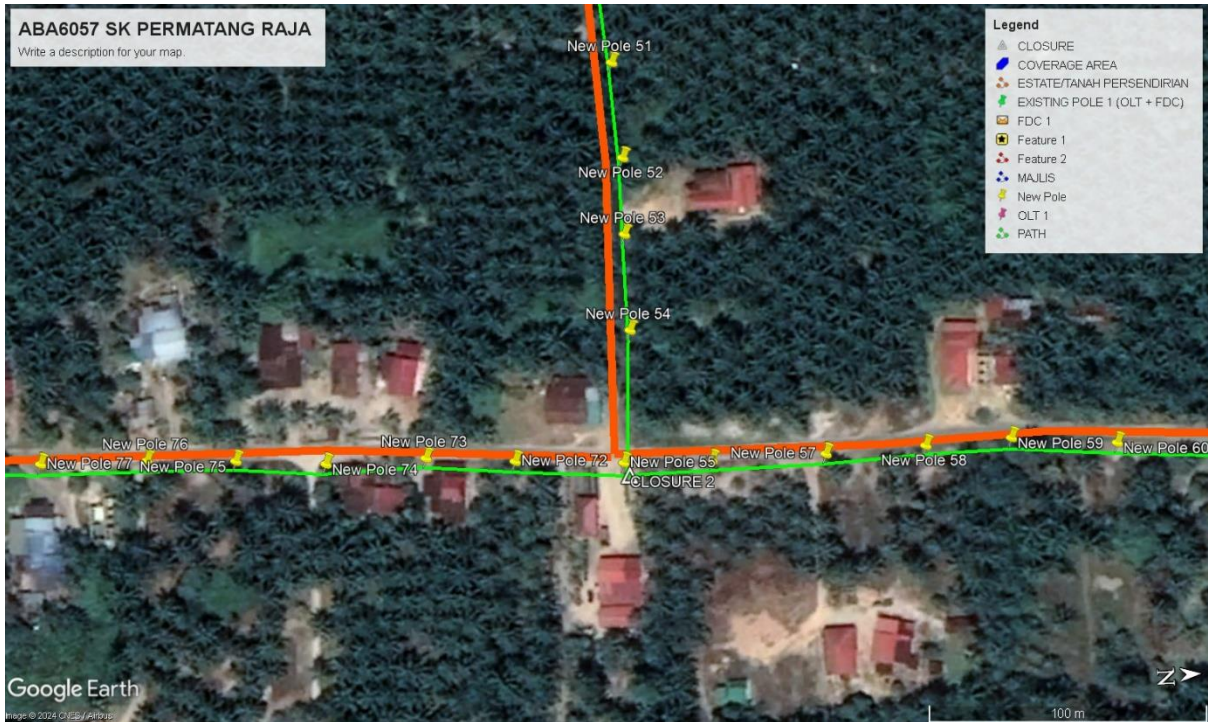
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2:
HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN
PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH
KEMENTERIAN KOMUNIKASI MALAYSIA – PMU PRMS UNTUK ABC6057 – SEKOLAH
KEBANGSAAN PERMATANG RAJA



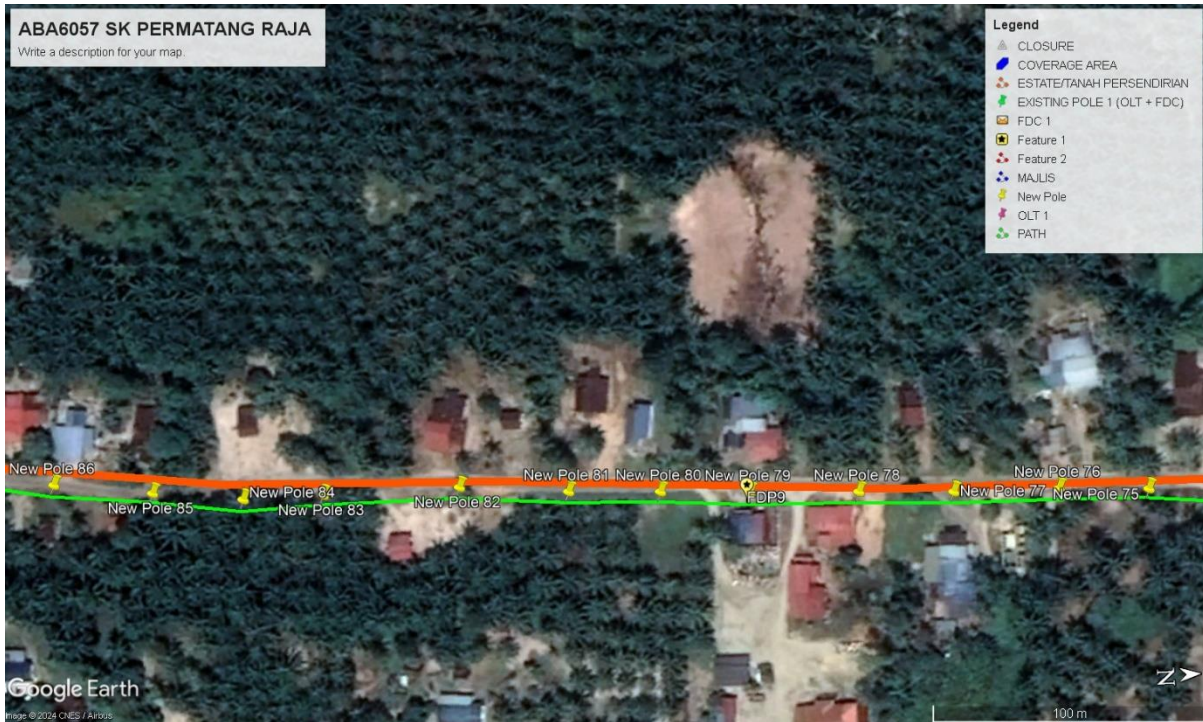
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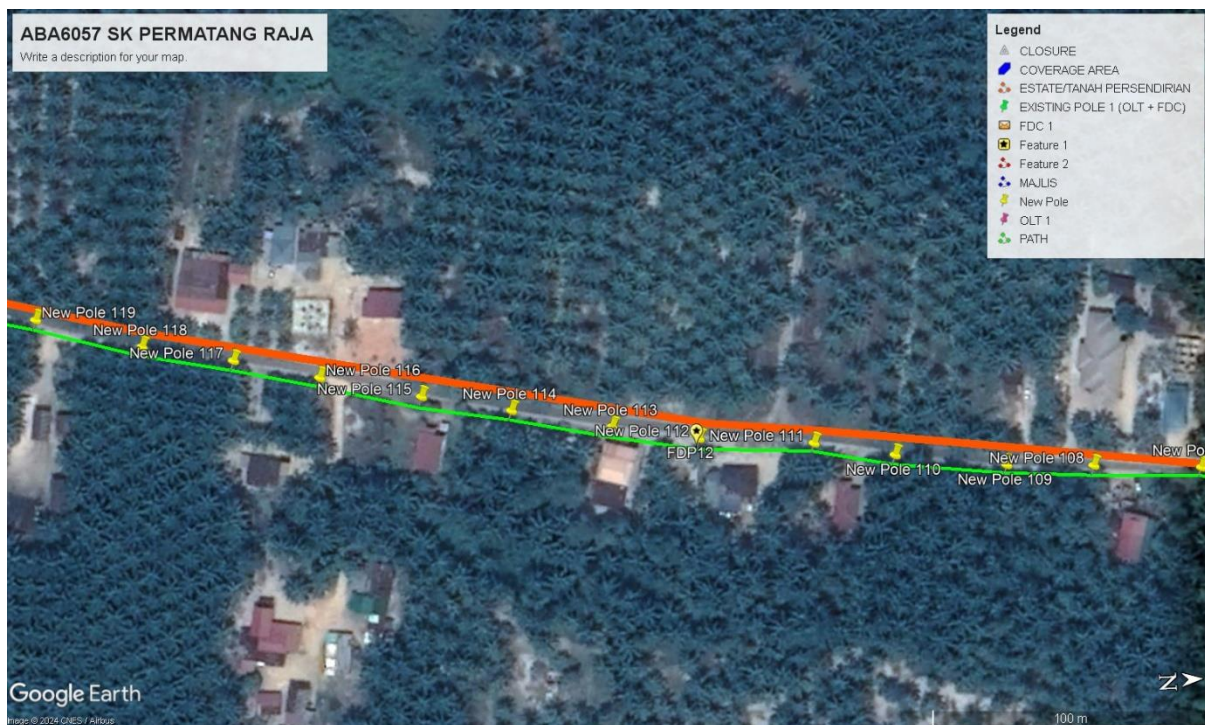
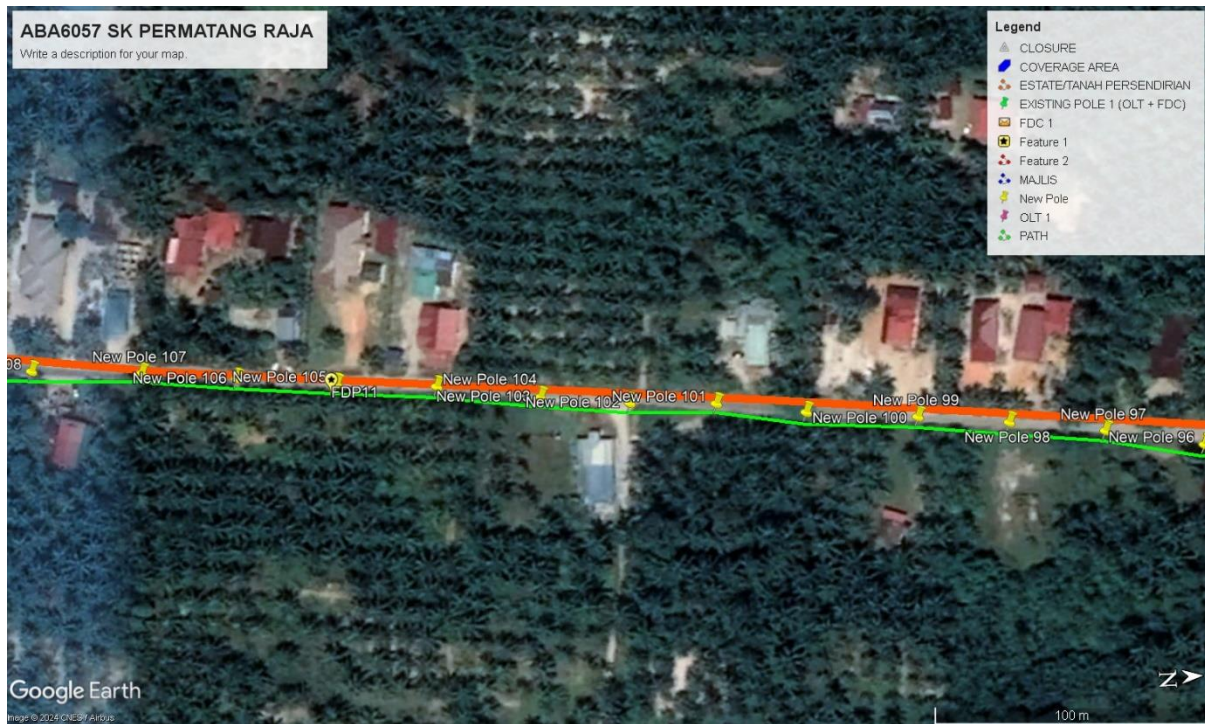
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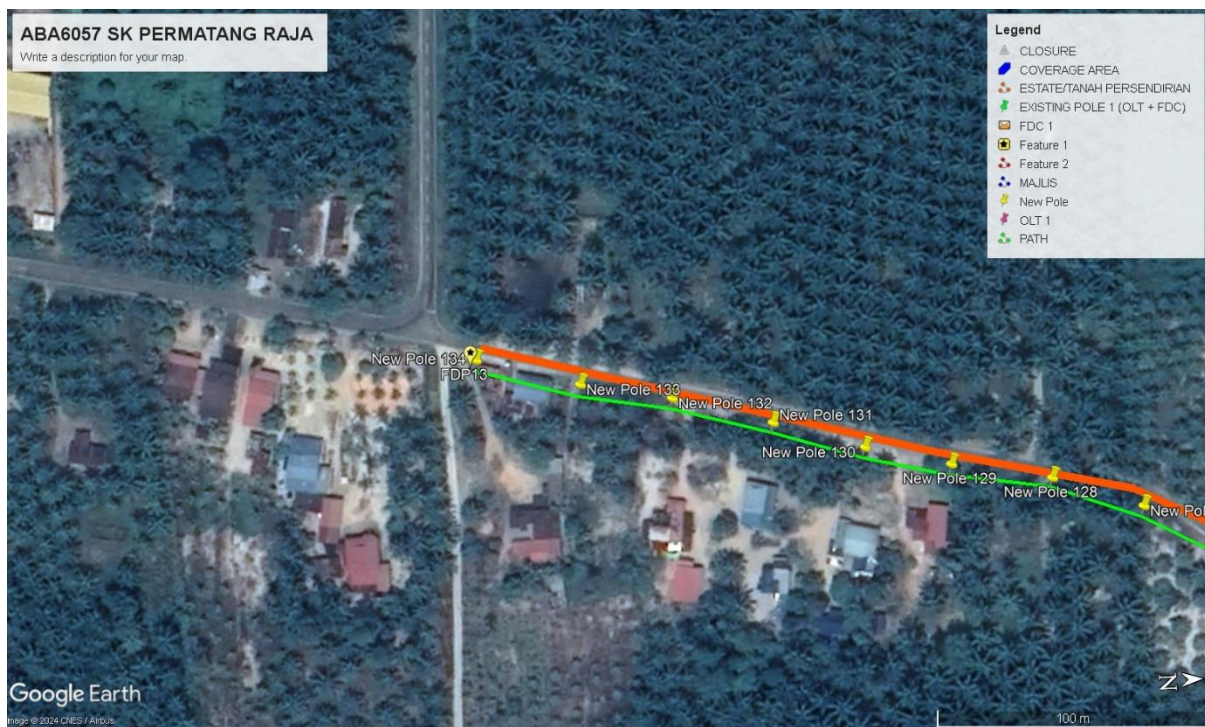
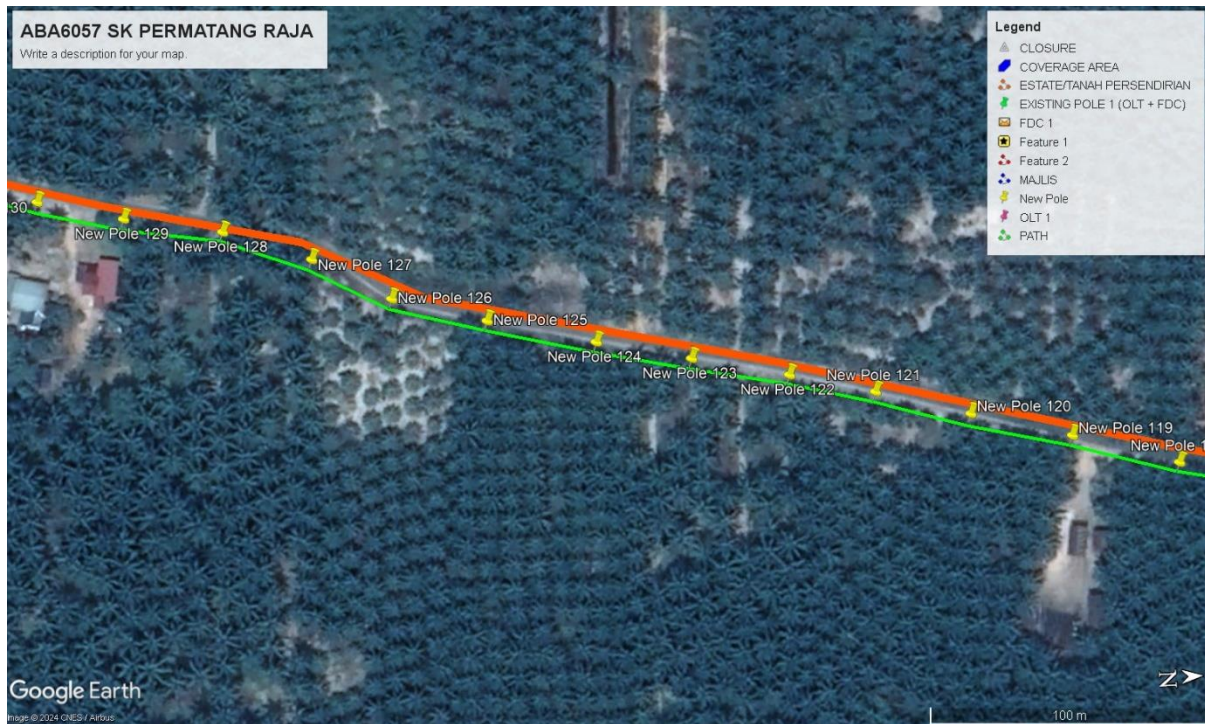
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2:
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KEBANGSAAN PERMATANG RAJA



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KEMENTERIAN KOMUNIKASI MALAYSIA – PMU PRMS UNTUK ABC6057 – SEKOLAH
KEBANGSAAN PERMATANG RAJA



Proposed New Pole Latitude & Longitude Table

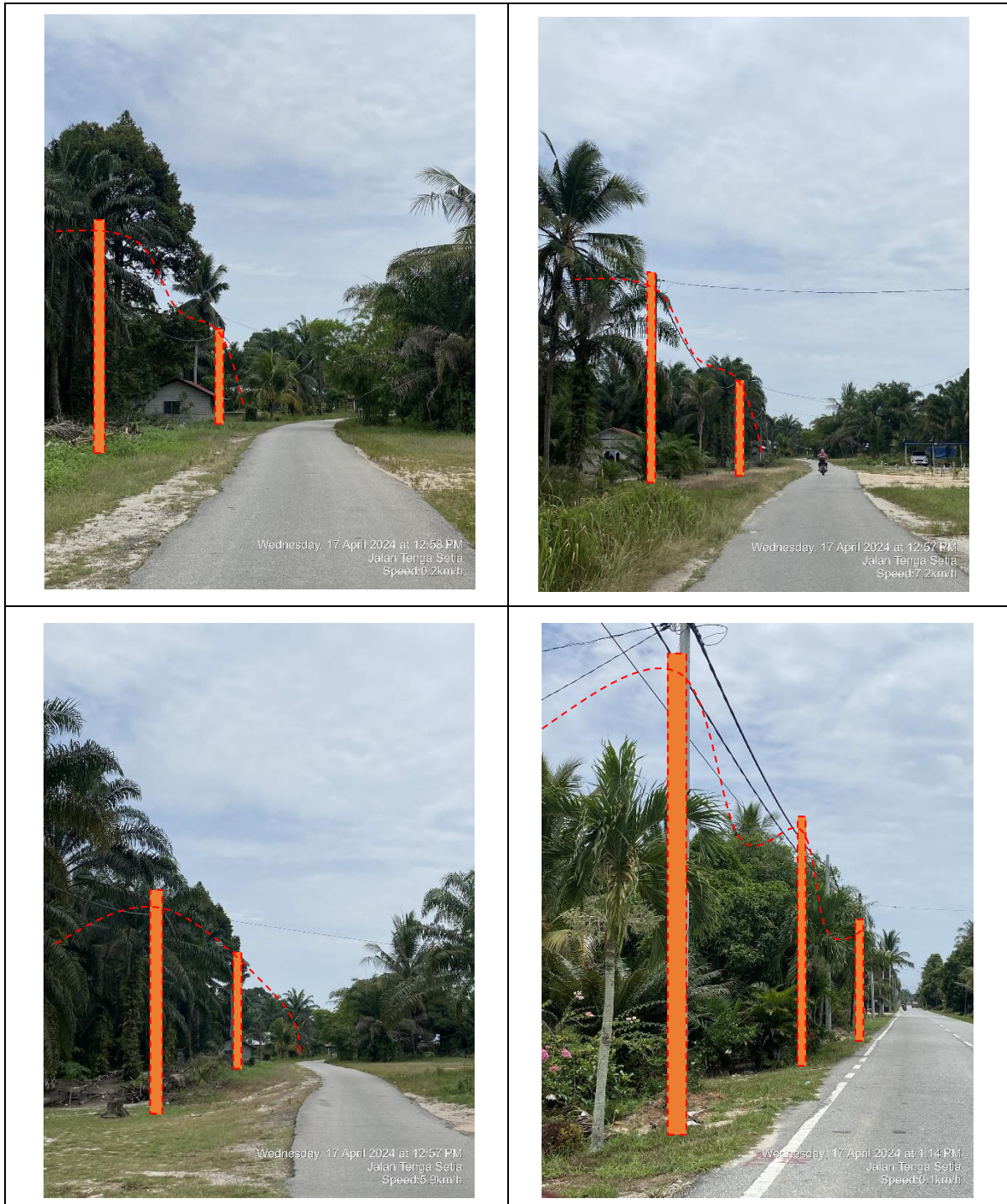
NEW PROPOSED POLE COORDINATE					
NO.	POLE NUMBER	DISTANCE (m)	LATITUDE	LONGITUDE	Local Authority
1	Existing Pole (FDC)	15	100.6671781	4.543635311	Majlis Perbandaran Manjung
2	T001	20	100.6673493	4.543598743	Estate/Tanah Persendirian
3	T002	35	100.6671145	4.543382256	Majlis Perbandaran Manjung
4	T003	30	100.667258	4.543939	Majlis Perbandaran Manjung
5	T004	40	100.6673238	4.544277022	Majlis Perbandaran Manjung
6	T005	45	100.6674058	4.544656636	Majlis Perbandaran Manjung
7	T006	25	100.6674423	4.544846453	Majlis Perbandaran Manjung
8	T007	40	100.6675151	4.545180873	Majlis Perbandaran Manjung
9	T008	25	100.6675697	4.545388734	Majlis Perbandaran Manjung
10	T009	20	100.6675249	4.545533525	Majlis Perbandaran Manjung
11	T010	32	100.6672729	4.545651666	Majlis Perbandaran Manjung
12	T011	30	100.6670389	4.545778809	Majlis Perbandaran Manjung
13	T012	22	100.6668498	4.545842547	JKR Daerah Manjung
14	T013	35	100.666696	4.545589701	JKR Daerah Manjung
15	T014	30	100.6665334	4.545391133	JKR Daerah Manjung
16	T015	25	100.6663798	4.545237758	JKR Daerah Manjung
17	T016	18	100.6662535	4.545156664	JKR Daerah Manjung
18	T017	15	100.6662803	4.545039044	Majlis Perbandaran Manjung
19	T018	18	100.6662529	4.544903463	Majlis Perbandaran Manjung
20	T019	35	100.6661261	4.544614382	Majlis Perbandaran Manjung
21	T020	45	100.6677637	4.543543526	Estate/Tanah Persendirian
22	T021	35	100.668061	4.543542838	Estate/Tanah Persendirian
23	T022	35	100.6683944	4.543514938	Estate/Tanah Persendirian
24	T023	40	100.6687458	4.543505081	Estate/Tanah Persendirian
25	T024	30	100.668998	4.543486411	Estate/Tanah Persendirian
26	T025	40	100.6693494	4.543467511	Estate/Tanah Persendirian
27	T026	30	100.6696287	4.543430692	Estate/Tanah Persendirian
28	T027	40	100.669971	4.543375641	Estate/Tanah Persendirian
29	T028	35	100.6702683	4.543356866	Estate/Tanah Persendirian
30	T029	35	100.6705657	4.543374263	Estate/Tanah Persendirian
31	T030	35	100.6708542	4.543427851	Estate/Tanah Persendirian
32	T031	30	100.6711065	4.543427266	Estate/Tanah Persendirian
33	T032	37	100.6714399	4.543435536	Estate/Tanah Persendirian
34	T033	33	100.6717192	4.543407759	Estate/Tanah Persendirian
35	T034	40	100.6720526	4.5433889	Estate/Tanah Persendirian
36	T035	43	100.672422	4.543360914	Estate/Tanah Persendirian
37	T036	30	100.6726833	4.543351264	Estate/Tanah Persendirian
38	T037	42	100.6730344	4.543214805	Estate/Tanah Persendirian
39	T038	40	100.6731972	4.5435038	Estate/Tanah Persendirian
40	T039	36	100.6732611	4.543829197	Estate/Tanah Persendirian
41	T040	30	100.6732888	4.544109463	Estate/Tanah Persendirian

42	T041	42	100.6733617	4.54447101	Estate/Tanah Persendirian
43	T042	35	100.6734435	4.544769236	Estate/Tanah Persendirian
44	T043	35	100.6735163	4.545085568	Estate/Tanah Persendirian
45	T044	35	100.6735621	4.545401964	Estate/Tanah Persendirian
46	T045	32	100.6736528	4.545691126	Estate/Tanah Persendirian
47	T046	36	100.6736716	4.545989498	Estate/Tanah Persendirian
48	T047	40	100.6737625	4.546332917	Estate/Tanah Persendirian
49	T048	38	100.6738173	4.546667377	Estate/Tanah Persendirian
50	T049	32	100.6741057	4.54667575	Estate/Tanah Persendirian
51	T050	40	100.6744752	4.546711062	Estate/Tanah Persendirian
52	T051	33	100.6747546	4.546737541	Estate/Tanah Persendirian
53	T052	34	100.67507	4.546754893	Estate/Tanah Persendirian
54	T053	30	100.6753223	4.546745263	Estate/Tanah Persendirian
55	T054	35	100.6756377	4.546744529	Estate/Tanah Persendirian
56	T055	50	100.6760701	4.546698308	Estate/Tanah Persendirian
57	T056	32	100.6760798	4.546987658	Estate/Tanah Persendirian
58	T057	41	100.6760807	4.547358415	Estate/Tanah Persendirian
59	T058	35	100.6760724	4.547683979	Estate/Tanah Persendirian
60	T059	32	100.6760641	4.547964328	Estate/Tanah Persendirian
61	T060	38	100.6761009	4.548307872	Estate/Tanah Persendirian
62	T061	40	100.6761288	4.548669523	Estate/Tanah Persendirian
63	T062	38	100.6761386	4.54901313	Estate/Tanah Persendirian
64	T063	38	100.6761394	4.549356758	Estate/Tanah Persendirian
65	T064	38	100.6761312	4.549700407	Estate/Tanah Persendirian
66	T065	32	100.6761048	4.549980798	Estate/Tanah Persendirian
67	T066	33	100.6761145	4.550288234	Estate/Tanah Persendirian
68	T067	66	100.6761699	4.550884936	Estate/Tanah Persendirian
69	T068	50	100.6762341	4.551336931	Estate/Tanah Persendirian
70	T069	25	100.6760722	4.551491038	Estate/Tanah Persendirian
71	T070	20	100.6759554	4.55161791	Estate/Tanah Persendirian
72	T071	45	100.6755495	4.55147417	Estate/Tanah Persendirian
73	T072	40	100.6760423	4.5463457	Estate/Tanah Persendirian
74	T073	32	100.6760146	4.546056392	Estate/Tanah Persendirian
75	T074	37	100.6760138	4.54573085	Estate/Tanah Persendirian
76	T075	33	100.6759861	4.545441541	Estate/Tanah Persendirian
77	T076	32	100.6759675	4.545152212	Estate/Tanah Persendirian
78	T077	37	100.6759576	4.544808605	Estate/Tanah Persendirian
79	T078	35	100.6759389	4.54450119	Estate/Tanah Persendirian
80	T079	38	100.6759201	4.544148561	Estate/Tanah Persendirian
81	T080	33	100.6759014	4.543859232	Estate/Tanah Persendirian
82	T081	35	100.6758827	4.54356086	Estate/Tanah Persendirian
83	T082	41	100.6758458	4.543208272	Estate/Tanah Persendirian
84	T083	48	100.6758448	4.542765173	Estate/Tanah Persendirian
85	T084	30	100.6758442	4.54250293	Estate/Tanah Persendirian
86	T085	35	100.6758075	4.5422046	Estate/Tanah Persendirian

87	T086	37	100.6757617	4.541879162	Estate/Tanah Persendirian
88	T087	35	100.6757069	4.541589917	Estate/Tanah Persendirian
89	T088	35	100.6756702	4.541291586	Estate/Tanah Persendirian
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92	T091	35	100.6755238	4.540333379	Estate/Tanah Persendirian
93	T092	35	100.675469	4.540017005	Estate/Tanah Persendirian
94	T093	30	100.6754323	4.539736761	Estate/Tanah Persendirian
95	T094	38	100.6753955	4.539411302	Estate/Tanah Persendirian
96	T095	38	100.6753497	4.539094907	Estate/Tanah Persendirian
97	T096	35	100.67534	4.538778428	Estate/Tanah Persendirian
98	T097	36	100.6752762	4.538462074	Estate/Tanah Persendirian
99	T098	36	100.6752304	4.538154722	Estate/Tanah Persendirian
100	T099	35	100.6751937	4.537856392	Estate/Tanah Persendirian
101	T100	42	100.6751568	4.537494761	Estate/Tanah Persendirian
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103	T102	32	100.6750924	4.536925208	Estate/Tanah Persendirian
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108	T107	35	100.6749363	4.535650521	Estate/Tanah Persendirian
109	T108	40	100.6748717	4.534990539	Estate/Tanah Persendirian
110	T109	33	100.674853	4.534710252	Estate/Tanah Persendirian
111	T110	40	100.6747981	4.534348663	Estate/Tanah Persendirian
112	T111	31	100.6747435	4.534086546	Estate/Tanah Persendirian
113	T112	41	100.6746519	4.533435669	Estate/Tanah Persendirian
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115	T114	36	100.674579	4.533110294	Estate/Tanah Persendirian
116	T115	33	100.6745153	4.532821069	Estate/Tanah Persendirian
117	T116	40	100.6744334	4.532495714	Estate/Tanah Persendirian
118	T117	32	100.6743607	4.532215552	Estate/Tanah Persendirian
119	T118	35	100.6742969	4.531917284	Estate/Tanah Persendirian
120	T119	40	100.674188	4.531573906	Estate/Tanah Persendirian
121	T120	38	100.6740972	4.531248572	Estate/Tanah Persendirian
122	T121	35	100.6740063	4.530941324	Estate/Tanah Persendirian
123	T122	32	100.6739336	4.530661162	Estate/Tanah Persendirian
124	T123	35	100.6738608	4.530344829	Estate/Tanah Persendirian
125	T124	35	100.673788	4.530037538	Estate/Tanah Persendirian
126	T125	40	100.6736971	4.529685076	Estate/Tanah Persendirian
127	T126	36	100.6734615	4.529124961	Estate/Tanah Persendirian
128	T127	32	100.6736063	4.529377827	Estate/Tanah Persendirian
129	T128	35	100.6733527	4.528835839	Estate/Tanah Persendirian
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131	T130	32	100.6732162	4.52823028	Estate/Tanah Persendirian

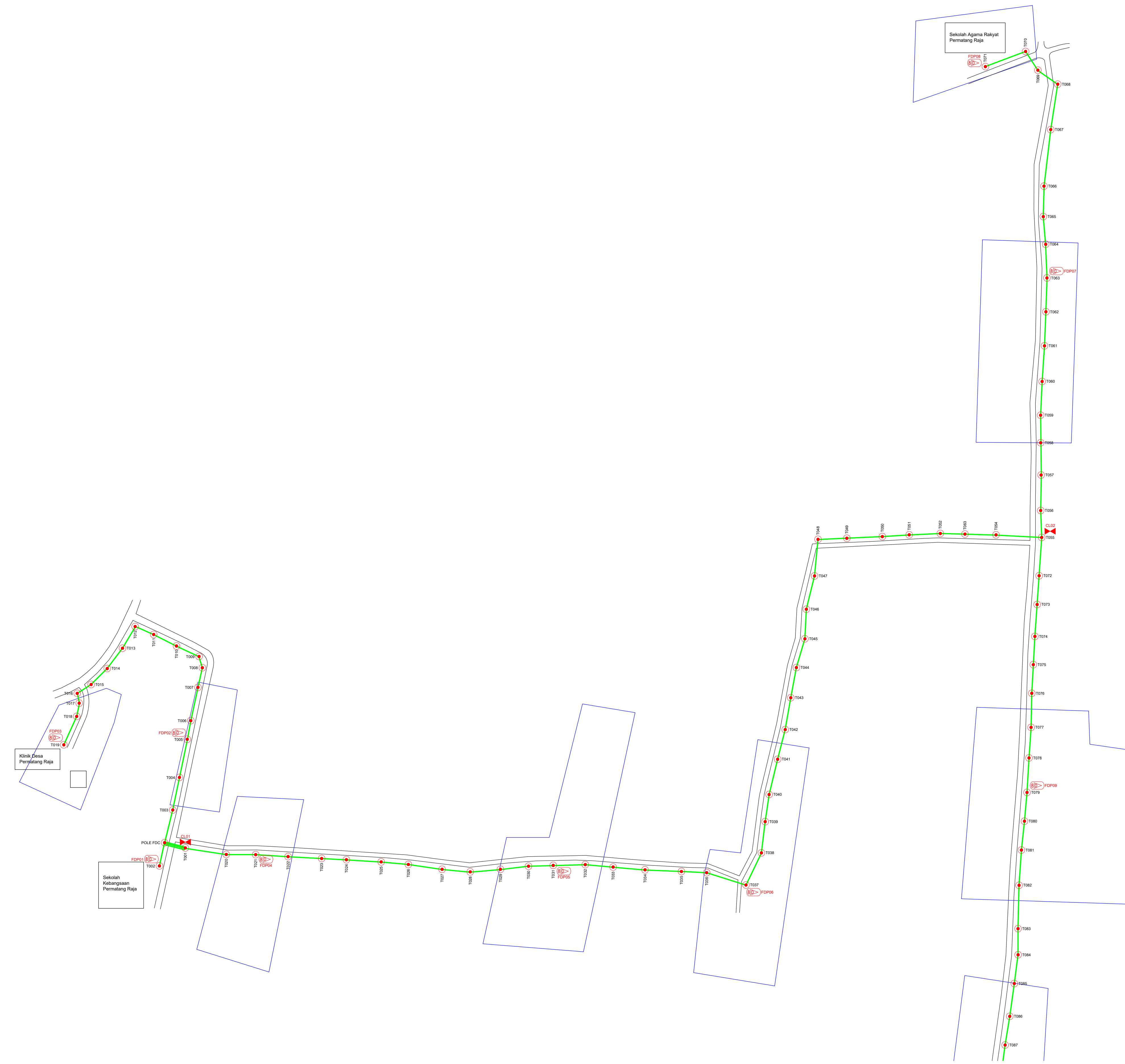
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134	T133	35	100.6729527	4.527308513	Estate/Tanah Persendirian
135	T134	37	100.6728528	4.526974156	Estate/Tanah Persendirian

Site Photos – Proposed New Pole



3rd Parties Dependencies

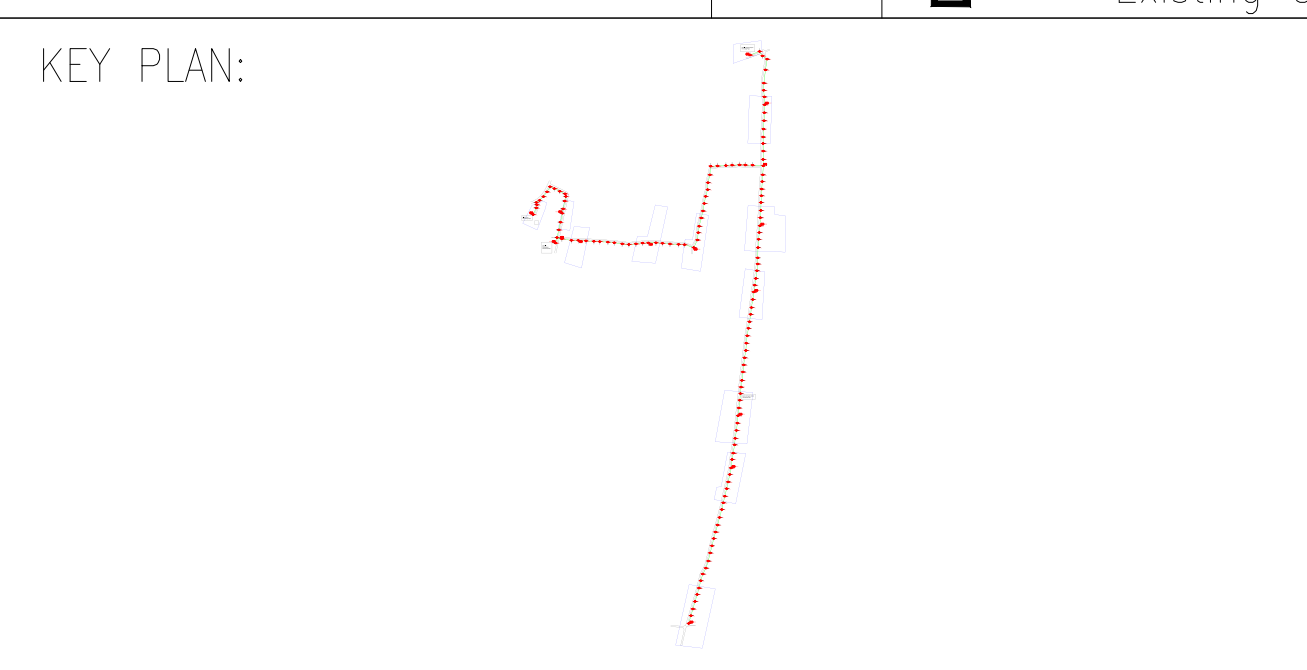
No.	Local Council / Authority	Remark
1	Majlis Perbandaran Manjung	434 meters
2	JKR Daerah Manjung	109 meters
3	Estate/Tanah Persendirian	4,137 meters



PAGE 1 OF 3

ACTUAL HOMEPASS : 104

12C FOC		Installed 1:4 / 1:8 / 1:32 splitter	0	S	Suspension	90	JB30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	4680m	Installed Patch Cord	134	T	Tension	200	C7	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC		FDC	1	□	Installed Pole (6.7M)	13		FDP Boundary	Loop / Coil (Meter)	P001	New Pole NO.
96C FOC		Closure	2	●	Existing TNB Pole	13	8D	FDP with (1:8) splitter	#	CL01	Closure NO.
144C FOC		Existing Closure		□	Installed Riser			Existing Manhole	C01	DP1	FDP NO.



PROJECT OWNER:

MAIN CONTRACTOR:

SUB-CONTRACTOR:

ALLO TECHNOLOGY SDN BHD
Level 3, Left Wing,
College of Computer Science & Information Technology (CSIT)
UNITEN, 43000 Kajang, Selangor
TEL: 1 300-38-8000
FAX: (60) 3 8800 5221
E-MAIL : info@allo.my WEBSITE: HTTP://WWW.ALLO.MY

PROJECT TITLE:

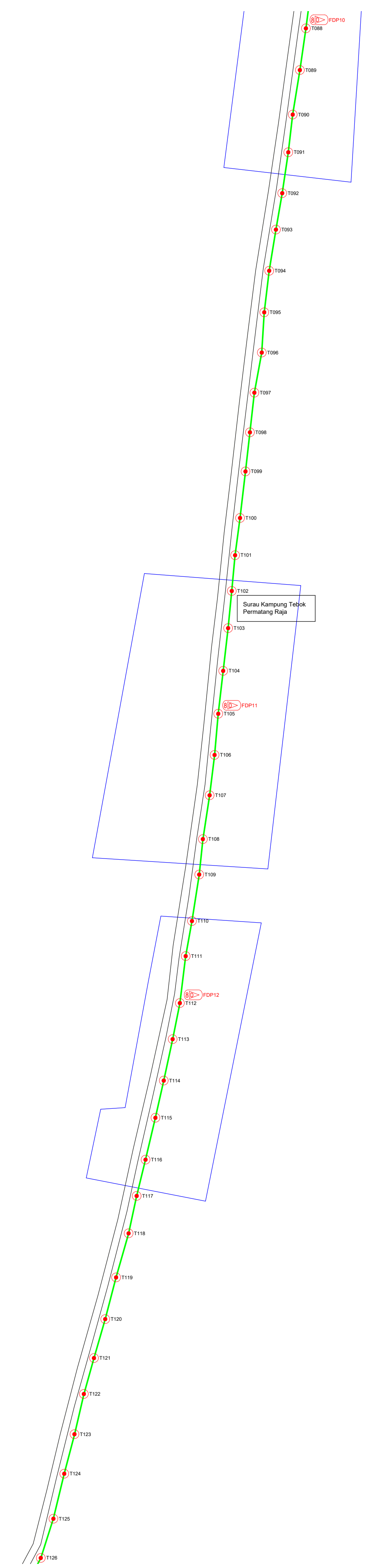
**D-SIDE ABA6057
SEKOLAH KEBANGSAAN
PERMATANG RAJA**

DRAWING TITLE:

CONSTRUCTION DRAWING
ABA6057
SEKOLAH KEBANGSAAN
PERMATANG RAJA

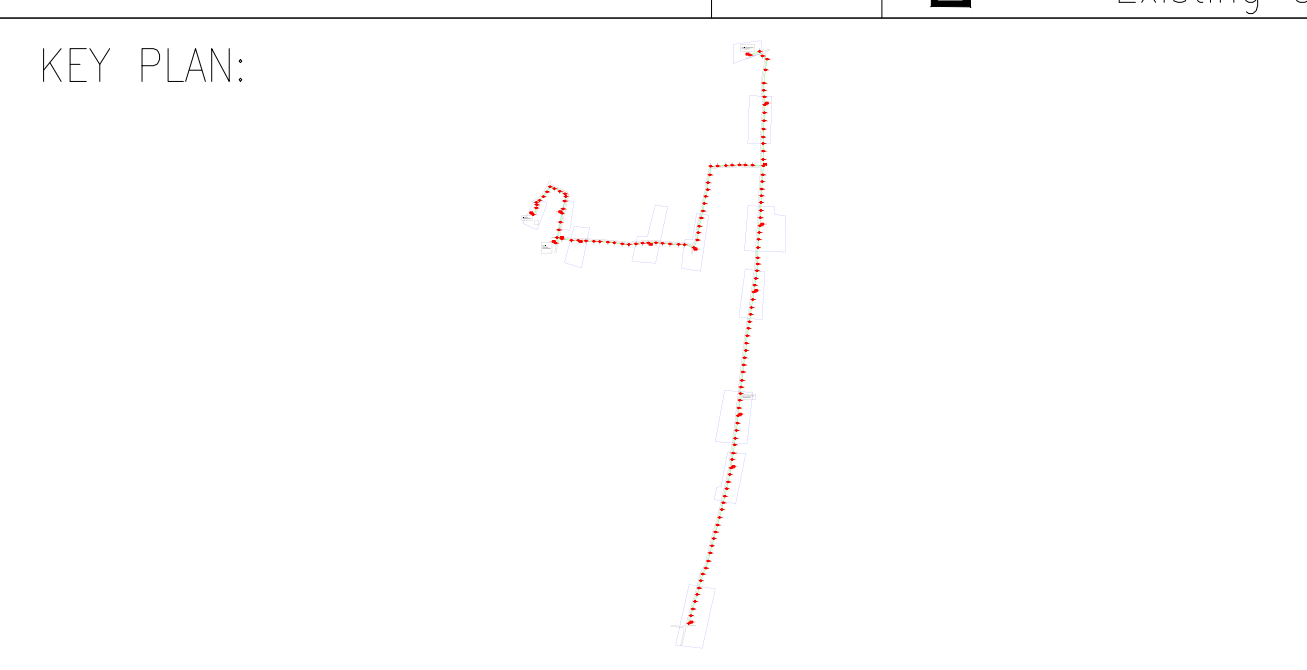
PROJECT PHASE:
POP 2

Design By :	ABDUL HANIF	Date :	01/08/2024
Drawn By :	ABDUL HANIF	Scale :	NOT TO SCALE
Checked By :	MUHAMMAD JAZLI	Job Number :	1
DRAWING NUMBER :	AB6057-CD-01	Sheet :	1/3
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12C FOC	4680m	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	0	S	Suspension	90	JB30	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC		Installed Patch Cord	Installed Pole (7.5M)	134	T	Tension	200	C7	New Manhole(JRC7)	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC		FDC	Installed Pole (6.7M)		⊗	Pole Ring	13		FDP Boundary	Loop / Coil (Meter)	P001	New Pole NO.
96C FOC		Closure	Existing TNB Pole		8D->	FDP with (1:8) splitter	13		HDD (Meter)	#	CL01	Closure NO.
144C FOC		Existing Closure	Installed Riser		□	Existing Manhole			Open Cut (Meter)	C01	DP1	FDP NO.

ACTUAL HOMEPASS : 104



PROJECT OWNER:

MAIN CONTRACTOR:

SUB-CONTRACTOR:

ALLO TECHNOLOGY SDN BHD
Level 3, Left Wing,
College of Computer Science & Information Technology (CSIT)
UNITEN, 43000 Kajang, Selangor
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PROJECT TITLE:

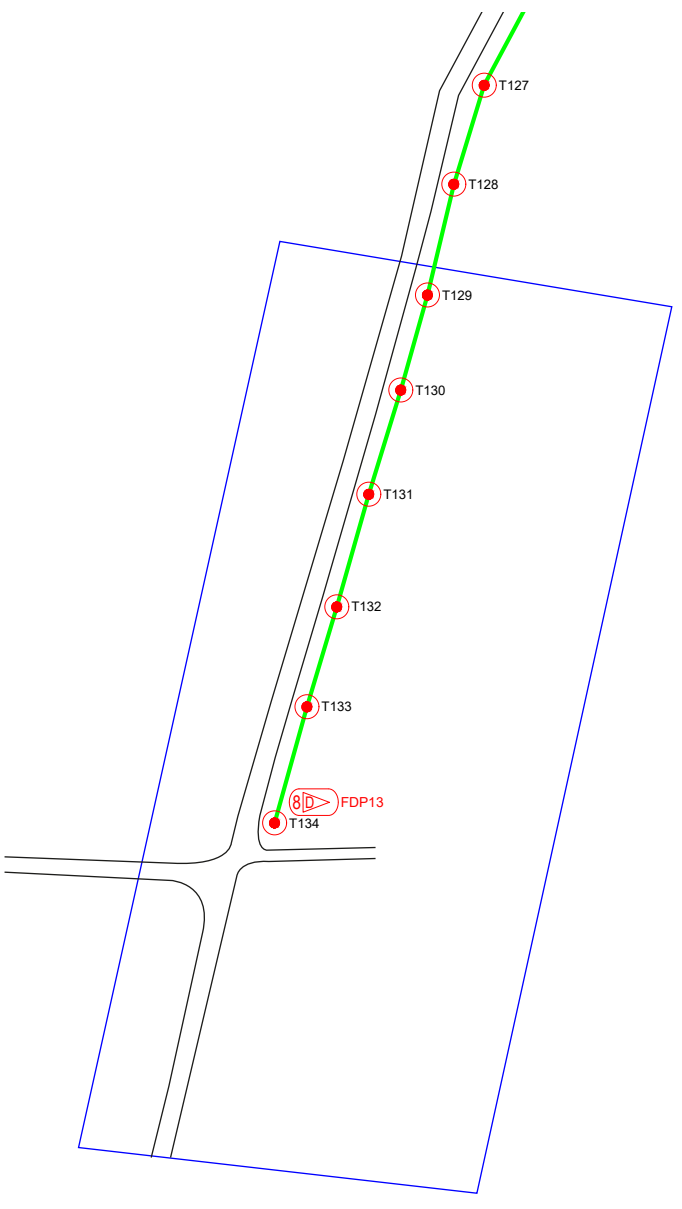
**D-SIDE ABA6057
SEKOLAH KEBANGSAAN
PERMATANG RAJA**

DRAWING TITLE:

CONSTRUCTION DRAWING
ABA6057
SEKOLAH KEBANGSAAN
PERMATANG RAJA

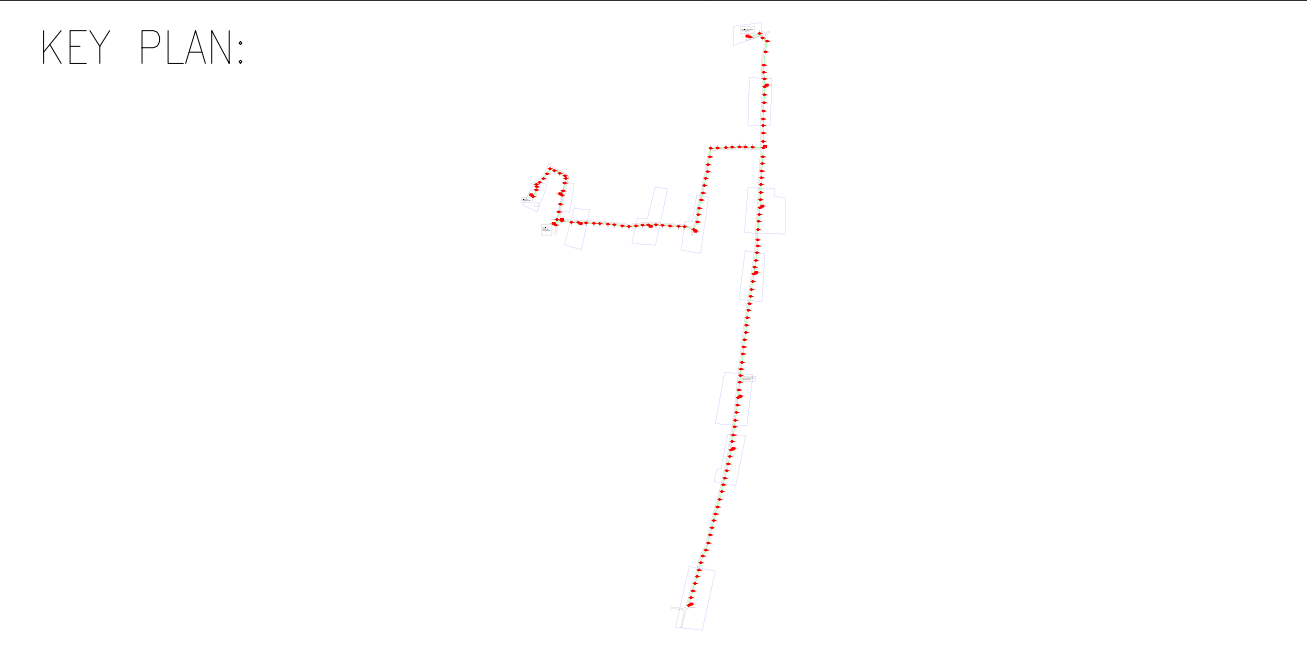
PROJECT PHASE:
POP 2

Design By : ABDUL HANIF	Date : 01/08/2024
Drawn By : ABDUL HANIF	Scale : NOT TO SCALE
Checked By : MUHAMMAD JAZLI	Job Number : 1
DRAWING NUMBER : AB6057-CD-01	Sheet : 2/3
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12C FOC		Installed 1:4 / 1:8 / 1:32 splitter	0	Installed Pole (9m)	0	Suspension	90	New Manhole (PIT)	90	Micro-Trenching (Meter)		MH1	MH NO.
24C FOC	4680m	Installed Patch Cord	134	Installed Pole (7.5M)	134	Tension	200	New Manhole(JRC7)	200	Temporary Infra (Meter)		TKS-1	Existing TNB Pole NO.
48C FOC		FDC	1	Installed Pole (6.7M)		Pole Ring	13	FDP Boundary		Loop / Coil (Meter)		P001	New Pole NO.
96C FOC		Closure	2	Existing TNB Pole		FDP with (1:8) splitter	13	HDD (Meter)		Active Outdoor Cabinet		CL01	Closure NO.
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		FDC NO.		DP1	FDP NO.

ACTUAL HOMEPASS : 104



PROJECT OWNER:

MAIN CONTRACTOR:

SUB-CONTRACTOR:

PROJECT TITLE:

**D-SIDE ABA6057
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