

TECHNICAL PROPOSAL

POP2 ABCB010-SEKOLAH JENIS KEBANGSAAN (CINA) SIMPANG TIGA

Company Name : T&H PANJI EMPIRE SDN BHD
Company Address : 39A Jalan Jelapang 5, Pusat Komersial Jelapang, 30020 Ipoh, Perak Darul Ridzuan.
Prepared By : Muhamad Hasif Bin Mohamed Hanif
Date : 2/1/2024



Starting Point

Site / Boundary Name : BAGAN DATUK
Address : SJK(C) SIMPANG TIGA
District : SELEKOH
Postcode : 36200
State : Perak
GPS Coordinate : 3.932054, 100.776407
LRD : A

End Point

Site / Boundary Name : BAGAN DATUK
Address : KAMPUNG PARIT PAREMBANG PANJANG
District : TELUK INTAN
Postcode : 36200
State : Perak
GPS Coordinate : 3.937110, 100.780436
LRD : B



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



1.0 WORK SUMMARY

NO	PROPOSED DISTANCE AND METHOD	UNIT	QUANTITY
1	Horizontal Directional Drilling (HDD)	m	90
2	Carriage Way Open Trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro Trenching (MT)	m	0

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fiber Cables	m	2500M
2	Install New Pole	ea	64
3	Install New JRC7 Manhole	m	2
4	Install GI Riser 100mm	ea	0
5	Install Fiber Distribution Point	ea	17
6	Closure (Splicing, Termination and Testing)	ea	3



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2.0 LOCAL AUTHORITY SUMMARY

Daerah Hilir Perak

NO	ITEMS	Owner	Quantity	Distance (m)
1	HDD	JKR	1	90
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	23	610M
		Majlis	41	1800M
		Estate / Private Land	-	-
Total Distance (m)				2500M

3.0 SITE PLAN (KMZ)

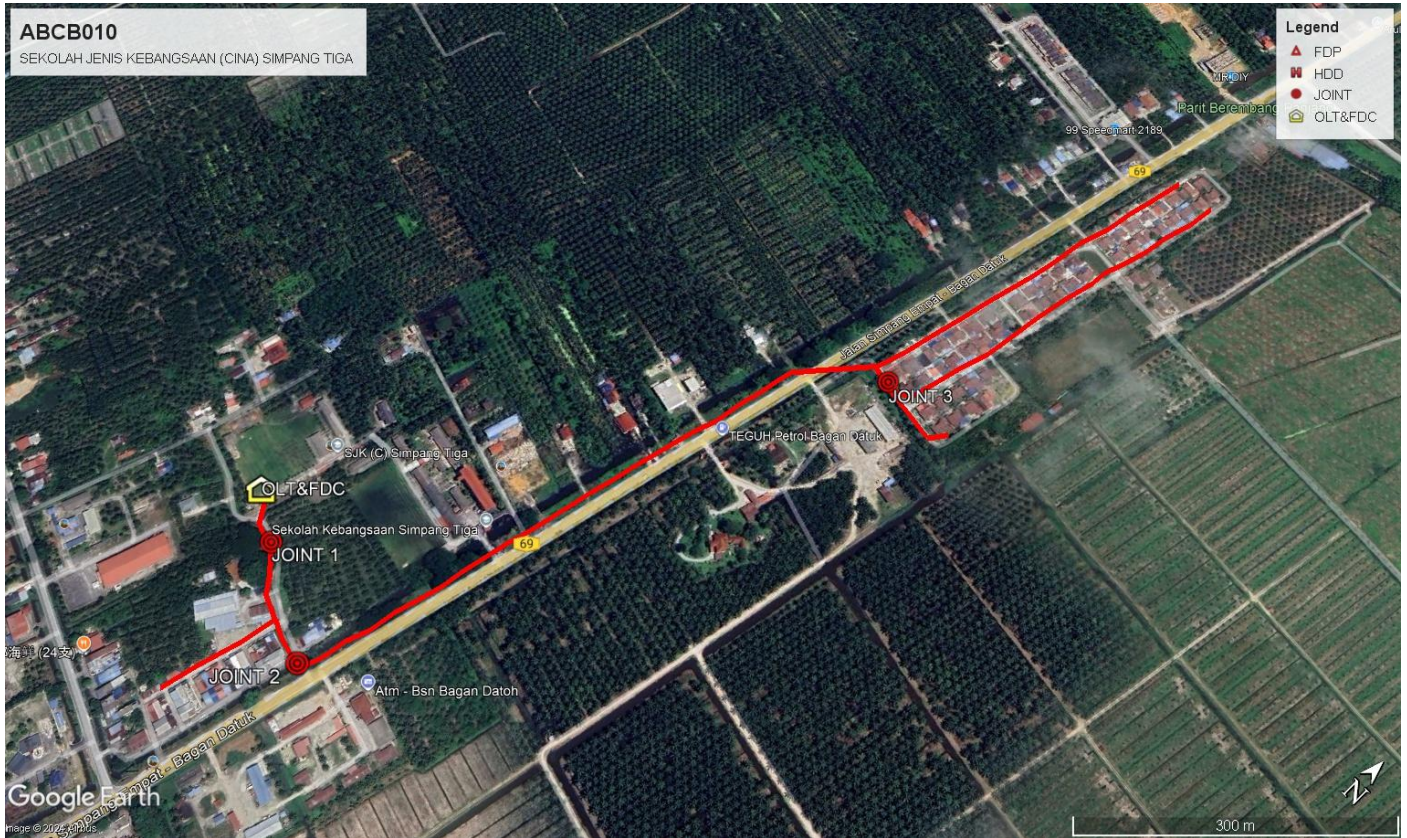
3.1 Overview Site Area



3.2 Overview FDP Location



3.3 Site Plan - KMZ Routing (All Local Authority)



Red Colour - Majlis Road



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



4.0 PROPOSED NEW MANHOLE

Proposed New Manhole Coordinate					
No.	Manhole Number	Distance (m)	Latitude	Longitude	Local Authority
1	MH01	90	3.936535	100.778915	JKR TELUK INTAN
2	MH02	-	3.937132	100.779479	JKR TELUK INTAN

5.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T001 (OLT&FDC)	25	3.932086	100.776398	MAJLIS PERBANDARAN TELUK INTAN
2	T002 (FDP 1)	32	3.931915	100.776543	MAJLIS PERBANDARAN TELUK INTAN
3	T003 (JOINT 1)	30	3.931847	100.776822	MAJLIS PERBANDARAN TELUK INTAN
4	T004	19	3.931666	100.777023	MAJLIS PERBANDARAN TELUK INTAN
5	T005	28	3.931561	100.777134	MAJLIS PERBANDARAN TELUK INTAN
6	T006	22	3.931478	100.777377	MAJLIS PERBANDARAN TELUK INTAN
7	T007	38	3.931416	100.777561	MAJLIS PERBANDARAN TELUK INTAN
8	T008 (JOINT 2)	40	3.931343	100.777902	MAJLIS PERBANDARAN TELUK INTAN
9	T009	43	3.931147	100.777341	MAJLIS PERBANDARAN TELUK INTAN
10	T010 (FDP 2)	38	3.930760	100.777252	MAJLIS PERBANDARAN TELUK INTAN
11	T011 (FDP 3)	29	3.930415	100.777195	MAJLIS PERBANDARAN TELUK INTAN
12	T012	20	3.931619	100.777961	MAJLIS PERBANDARAN TELUK INTAN
13	T013	27	3.931795	100.777979	MAJLIS PERBANDARAN TELUK INTAN
14	T014	29	3.932013	100.778056	MAJLIS PERBANDARAN TELUK INTAN
15	T015	20	3.932275	100.778083	MAJLIS PERBANDARAN TELUK INTAN
16	T016 (JOINT 3)	29	3.932456	100.778126	MAJLIS PERBANDARAN TELUK INTAN
17	T017	24	3.932707	100.778187	MAJLIS PERBANDARAN TELUK INTAN
18	T018	27	3.932921	100.778216	MAJLIS PERBANDARAN TELUK INTAN
19	T019	28	3.933151	100.778255	MAJLIS PERBANDARAN TELUK INTAN
20	T020 (FDP 4)	28	3.933394	100.778301	MAJLIS PERBANDARAN TELUK INTAN
21	T021	24	3.933644	100.778352	MAJLIS PERBANDARAN TELUK INTAN
22	T022	28	3.933844	100.778387	MAJLIS PERBANDARAN TELUK INTAN
23	T023	23	3.934094	100.778435	MAJLIS PERBANDARAN TELUK INTAN
24	T024	23	3.934302	100.778472	MAJLIS PERBANDARAN TELUK INTAN
25	T025	28	3.934504	100.778523	MAJLIS PERBANDARAN TELUK INTAN
26	T026	44	3.934752	100.778573	MAJLIS PERBANDARAN TELUK INTAN
27	T027	33	3.935145	100.778648	MAJLIS PERBANDARAN TELUK INTAN
28	T028	23	3.935434	100.778716	MAJLIS PERBANDARAN TELUK INTAN
29	T029	32	3.935647	100.778773	MAJLIS PERBANDARAN TELUK INTAN
30	T030	26	3.935931	100.778809	MAJLIS PERBANDARAN TELUK INTAN
31	T031	22	3.936163	100.778858	MAJLIS PERBANDARAN TELUK INTAN
32	T032	23	3.936361	100.778885	MAJLIS PERBANDARAN TELUK INTAN
33	T033 (HDD)	90	3.936535	100.778915	MAJLIS PERBANDARAN TELUK INTAN
34	T034 (HDD)	38	3.937160	100.779472	MAJLIS PERBANDARAN TELUK INTAN
35	T035 (FDP 5)	39	3.937495	100.779558	MAJLIS PERBANDARAN TELUK INTAN
36	T036	36	3.937864	100.779640	MAJLIS PERBANDARAN TELUK INTAN
37	T037	32	3.938179	100.779716	MAJLIS PERBANDARAN TELUK INTAN
38	T038 (FDP 6)	28	3.938457	100.779763	MAJLIS PERBANDARAN TELUK INTAN
39	T039	39	3.938706	100.779821	MAJLIS PERBANDARAN TELUK INTAN
40	T040 (FDP 7)	33	3.939042	100.779901	MAJLIS PERBANDARAN TELUK INTAN
41	T041	45	3.939333	100.779959	MAJLIS PERBANDARAN TELUK INTAN
42	T042	37	3.939739	100.780006	MAJLIS PERBANDARAN TELUK INTAN
43	T043 (FDP 8)	36	3.940049	100.780102	MAJLIS PERBANDARAN TELUK INTAN
44	T044	38	3.940386	100.780149	MAJLIS PERBANDARAN TELUK INTAN
45	T045	40	3.940724	100.780223	MAJLIS PERBANDARAN TELUK INTAN



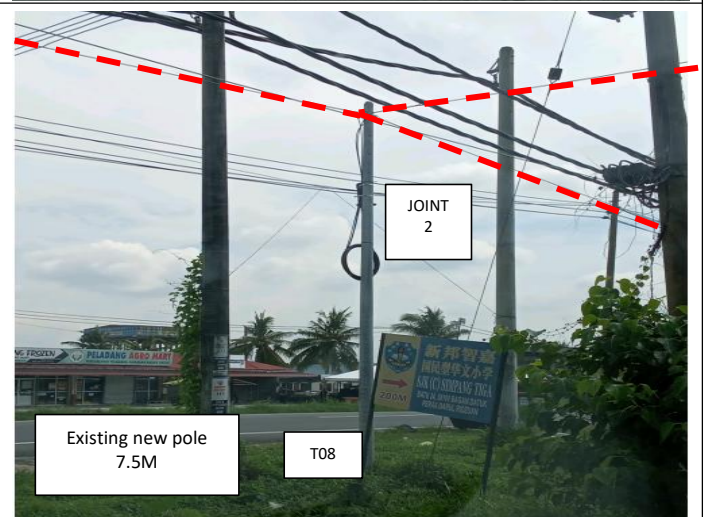
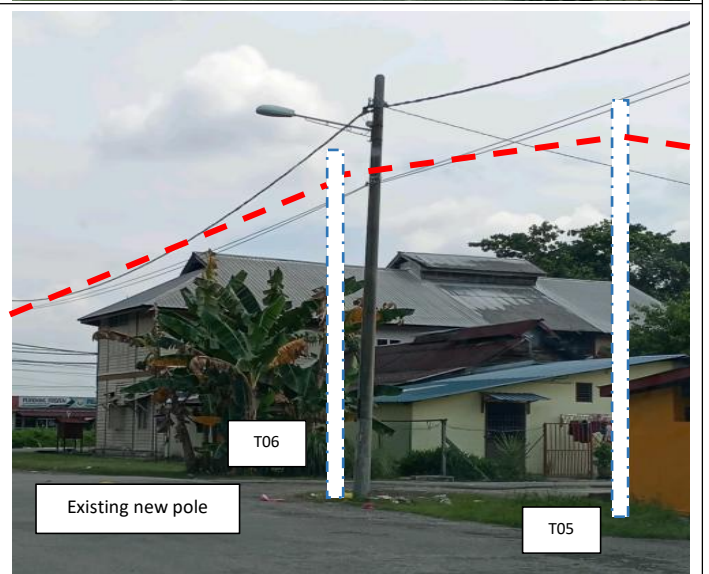
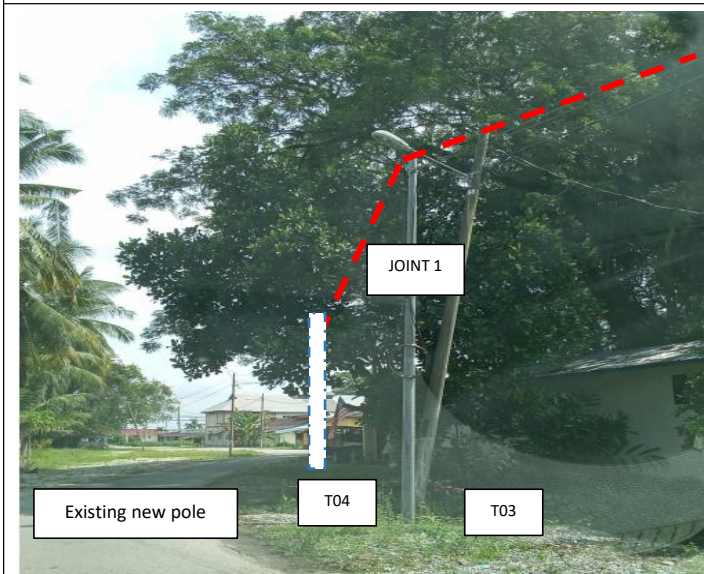
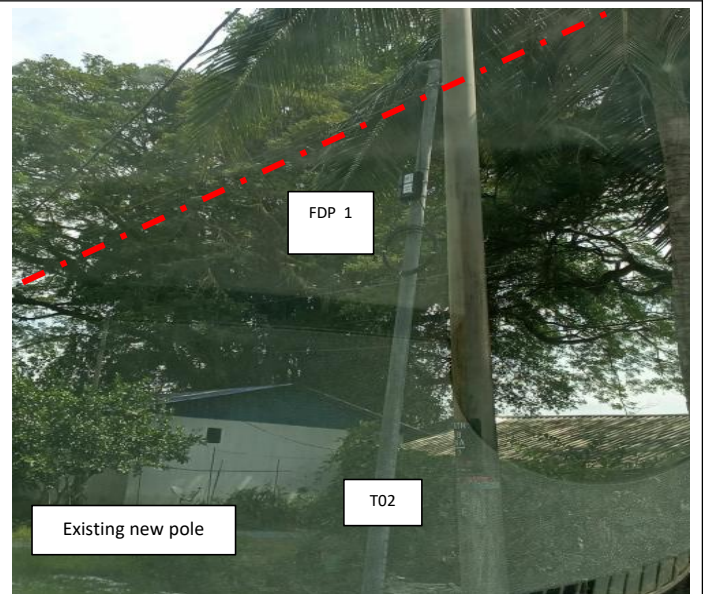
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENT (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))

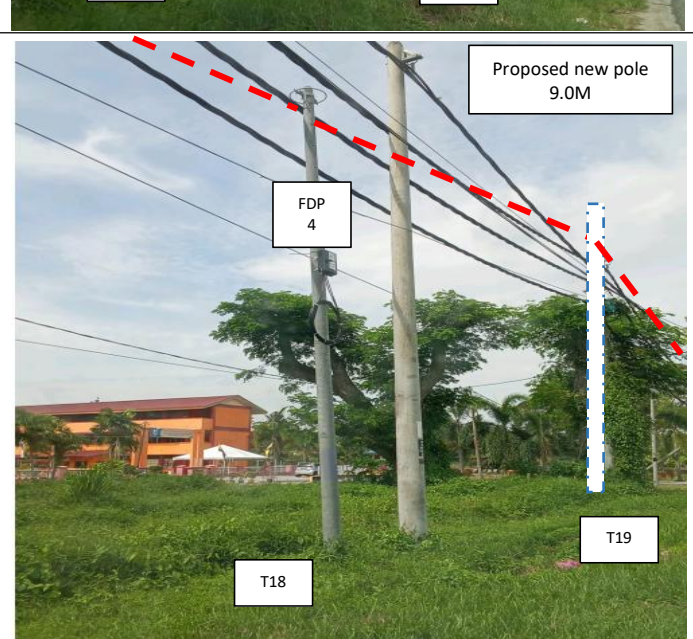
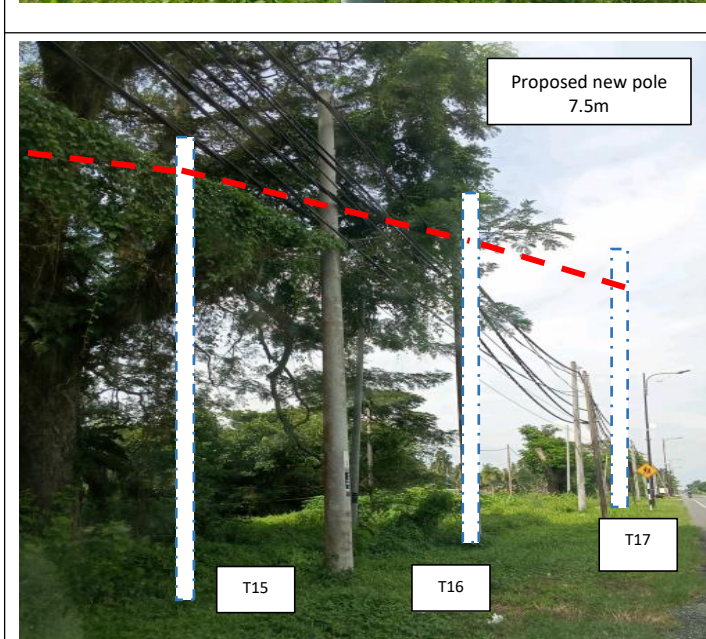
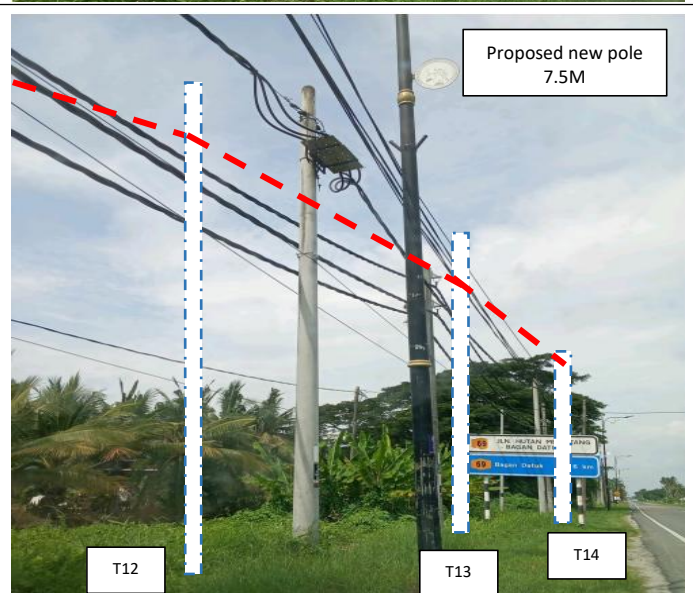
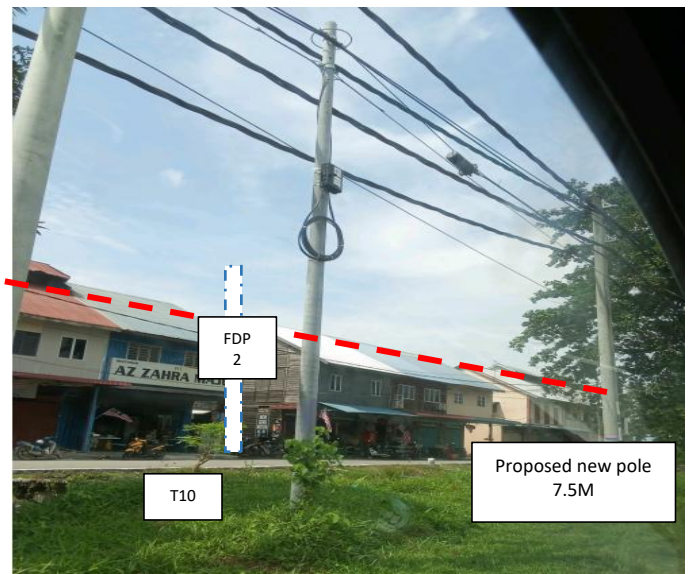


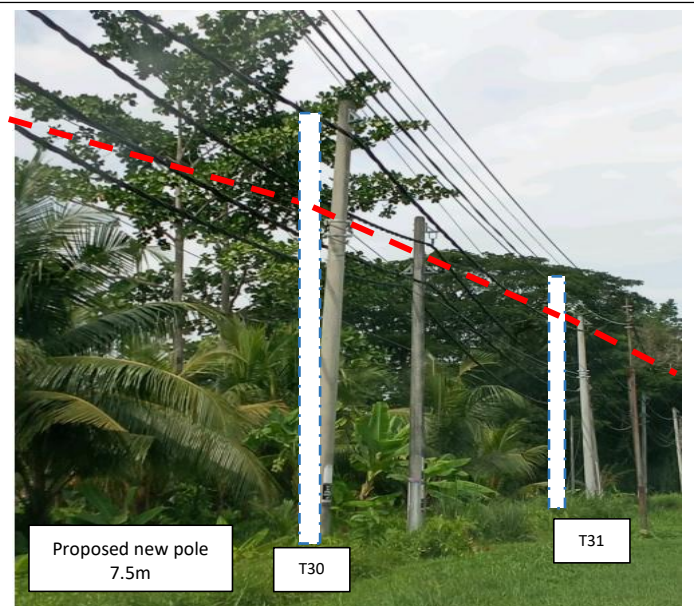
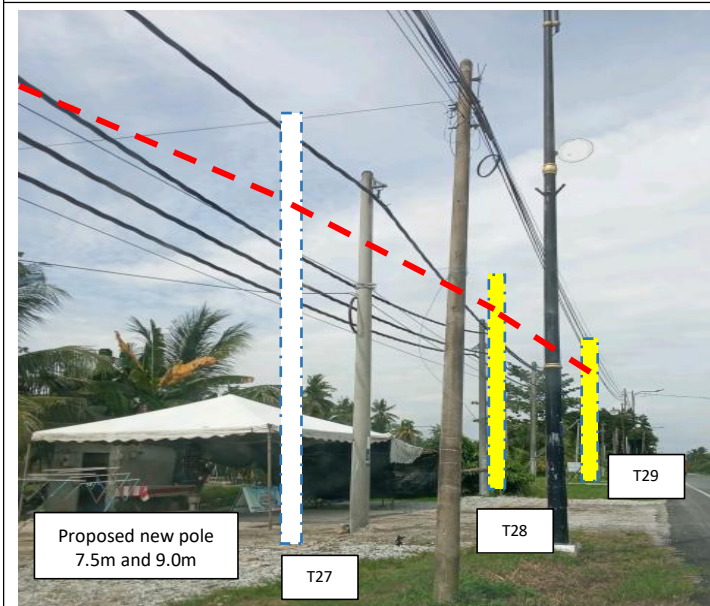
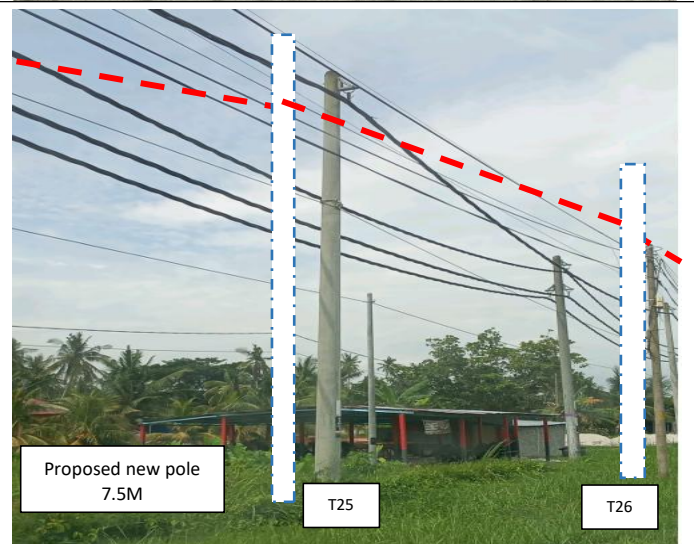
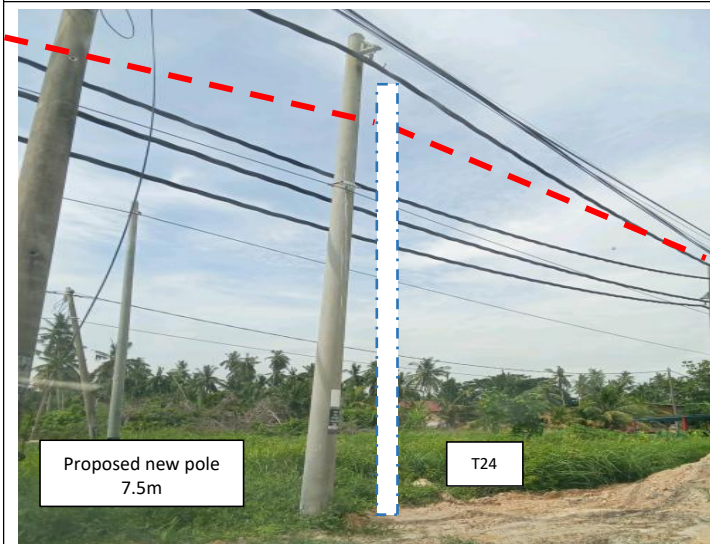
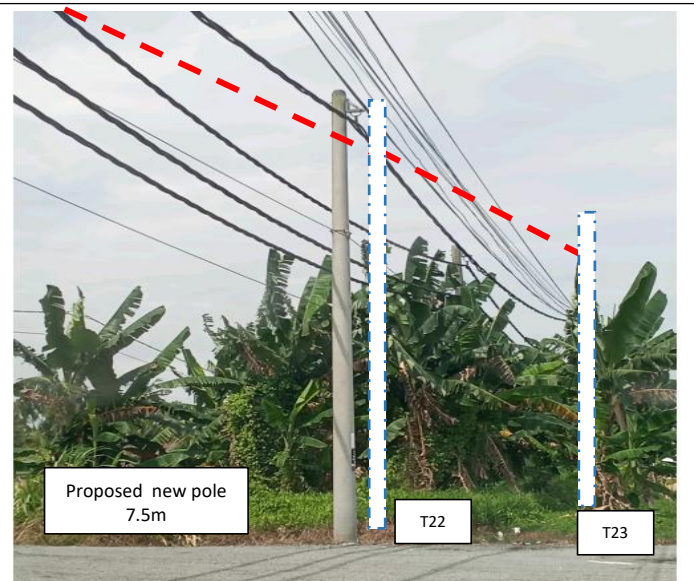
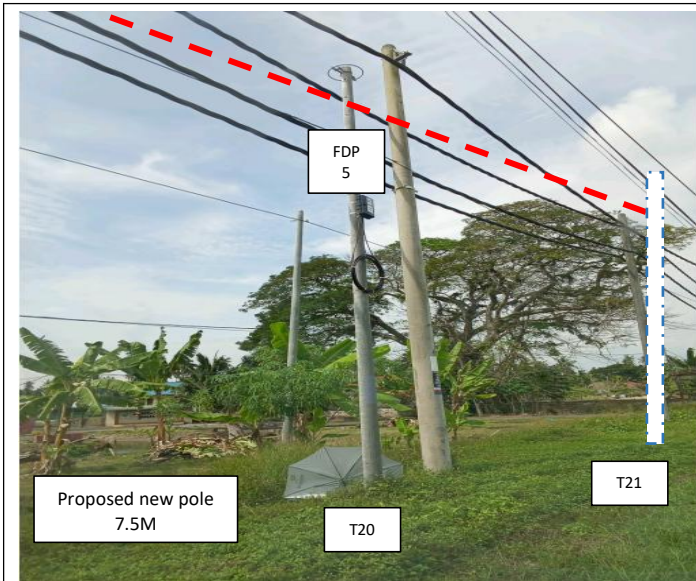
Proposed New Pole Coordinate

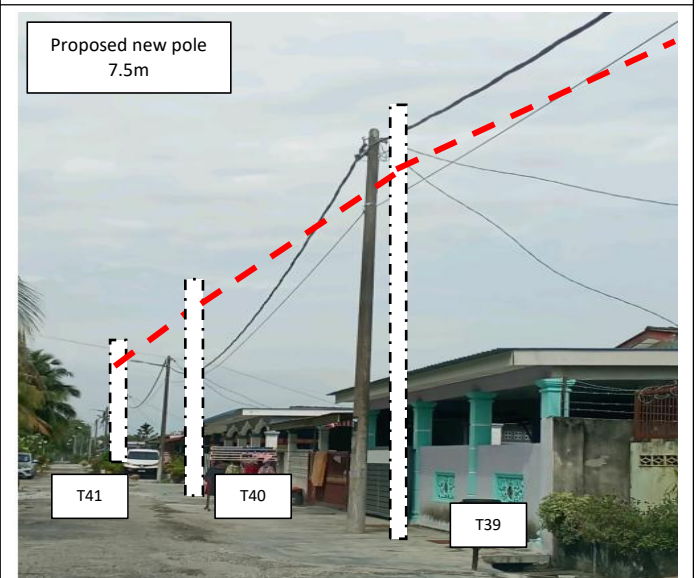
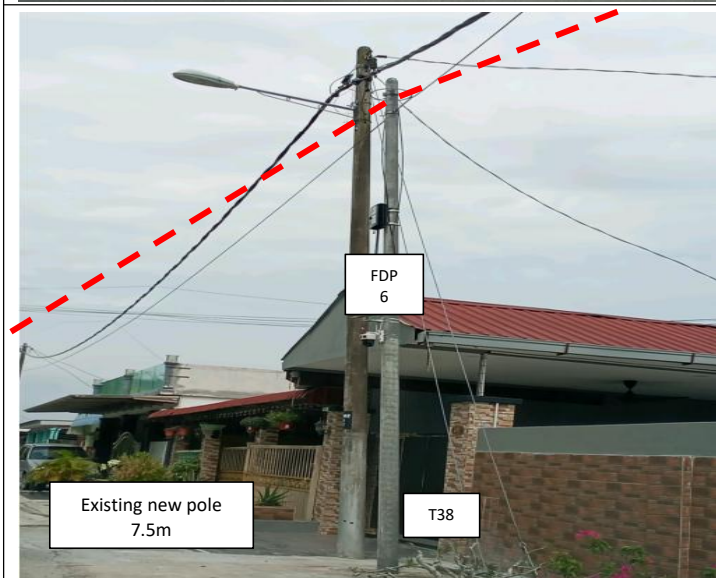
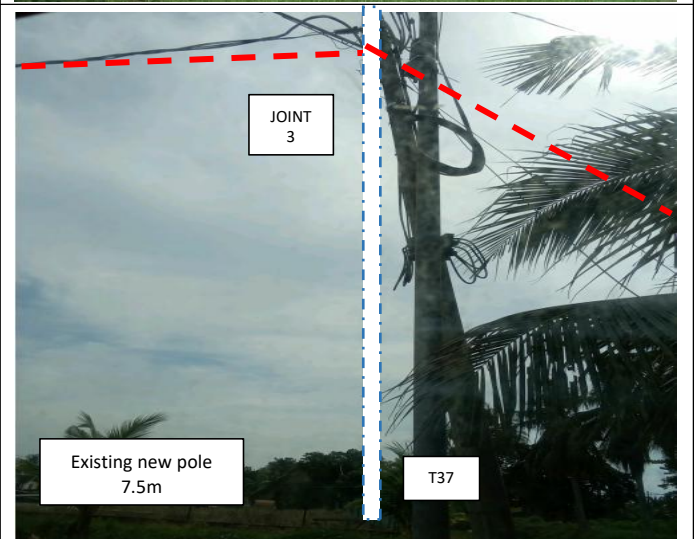
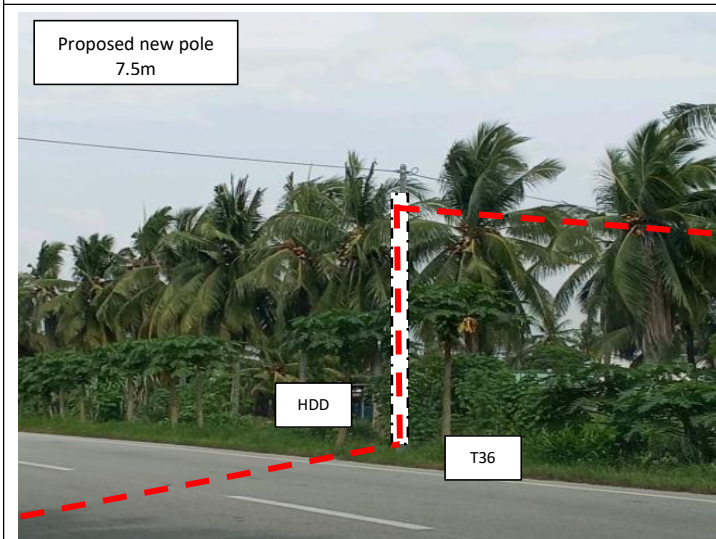
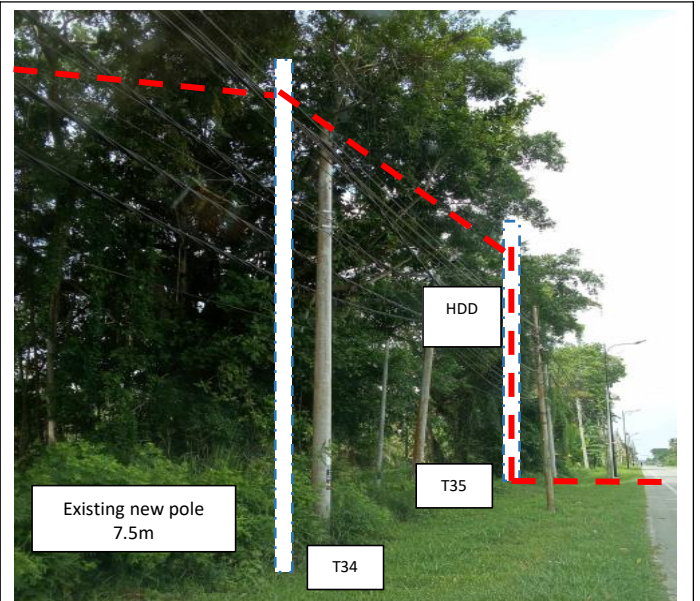
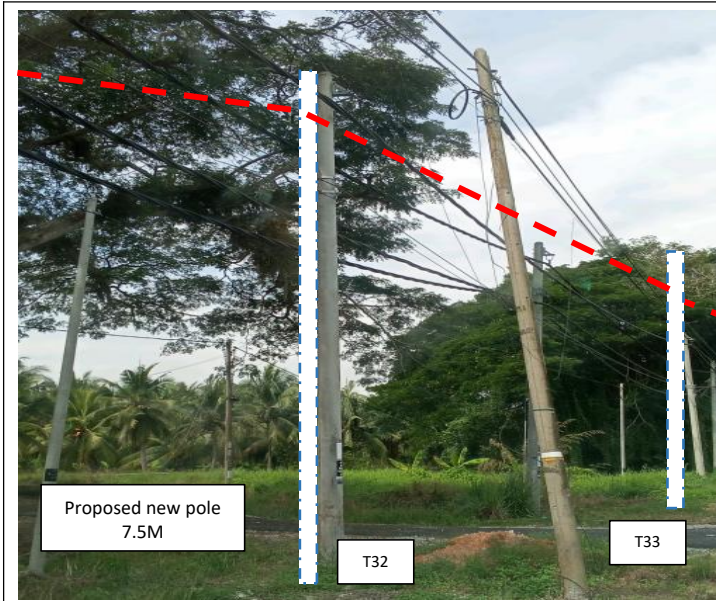
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
46	T046 (FDP 9)	31	3.941062	100.780286	MAJLIS PERBANDARAN TELUK INTAN
47	T047 (JOINT 3)	24	3.937073	100.779717	MAJLIS PERBANDARAN TELUK INTAN
48	T048 (FDP 10)	48	3.937147	100.779930	MAJLIS PERBANDARAN TELUK INTAN
49	T049 (FDP 11)	22	3.937571	100.780023	MAJLIS PERBANDARAN TELUK INTAN
50	T050	34	3.937759	100.780069	MAJLIS PERBANDARAN TELUK INTAN
51	T051 (FDP 12)	46	3.938041	100.780152	MAJLIS PERBANDARAN TELUK INTAN
52	T052	29	3.938460	100.780204	MAJLIS PERBANDARAN TELUK INTAN
53	T053	39	3.938720	100.780247	MAJLIS PERBANDARAN TELUK INTAN
54	T054 (FDP 13)	41	3.939071	100.780308	MAJLIS PERBANDARAN TELUK INTAN
55	T055	21	3.939426	100.780389	MAJLIS PERBANDARAN TELUK INTAN
56	T056	28	3.939609	100.780405	MAJLIS PERBANDARAN TELUK INTAN
57	T057 (FDP 14)	31	3.939849	100.780478	MAJLIS PERBANDARAN TELUK INTAN
58	T058	33	3.940124	100.780547	MAJLIS PERBANDARAN TELUK INTAN
59	T059	36	3.940406	100.780591	MAJLIS PERBANDARAN TELUK INTAN
60	T060 (FDP 15)	35	3.940714	100.780672	MAJLIS PERBANDARAN TELUK INTAN
61	T061 (FDP 16)	38	3.941032	100.780707	MAJLIS PERBANDARAN TELUK INTAN
62	T062	31	3.936998	100.780047	MAJLIS PERBANDARAN TELUK INTAN
63	T063	25	3.936923	100.780325	MAJLIS PERBANDARAN TELUK INTAN
64	T064 (FDP 17)	25	3.937110	100.780436	MAJLIS PERBANDARAN TELUK INTAN

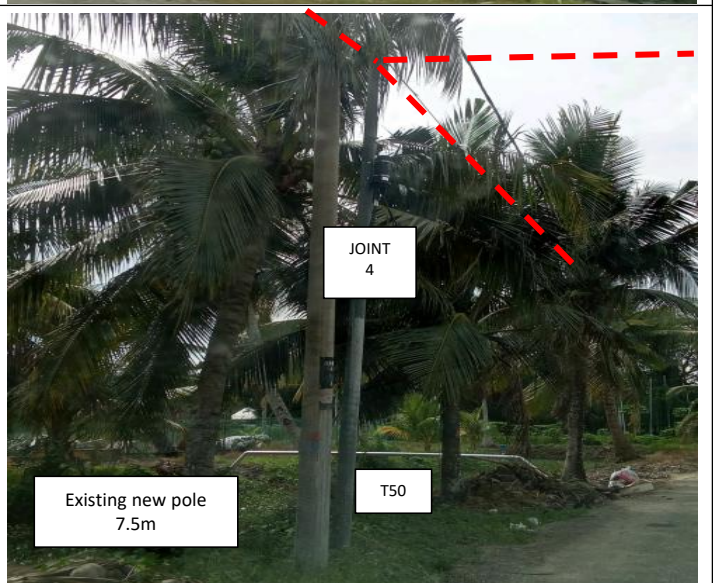
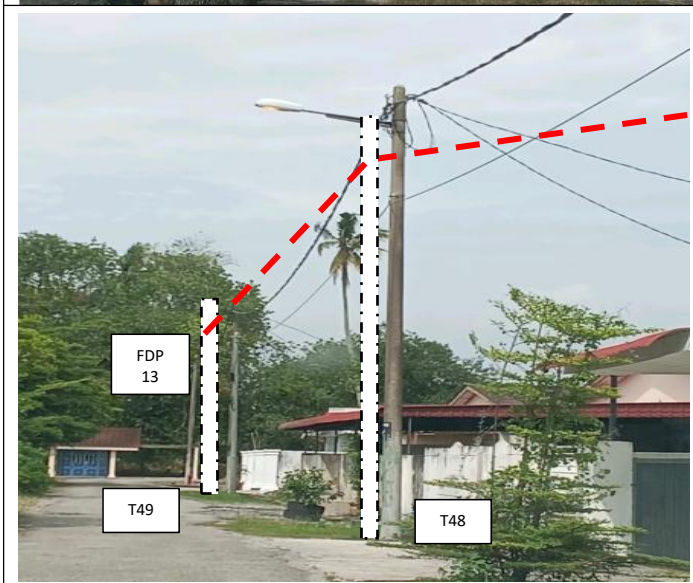
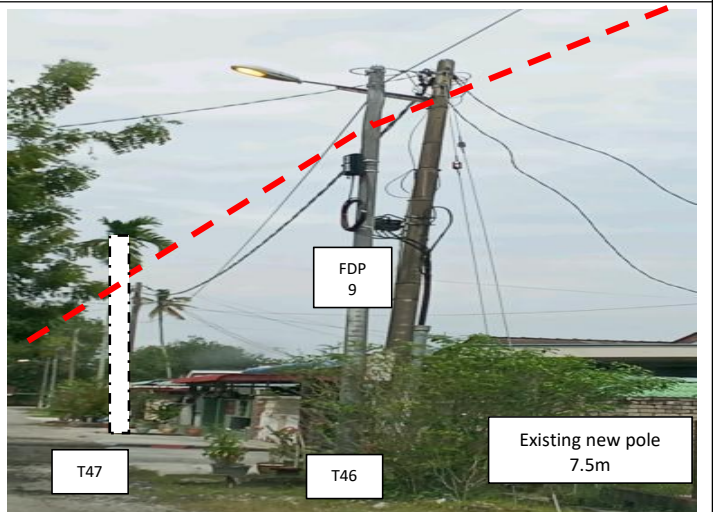
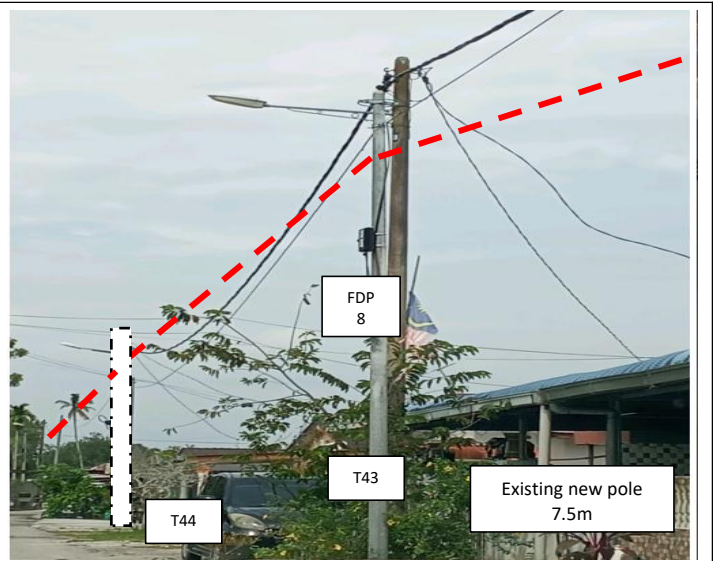
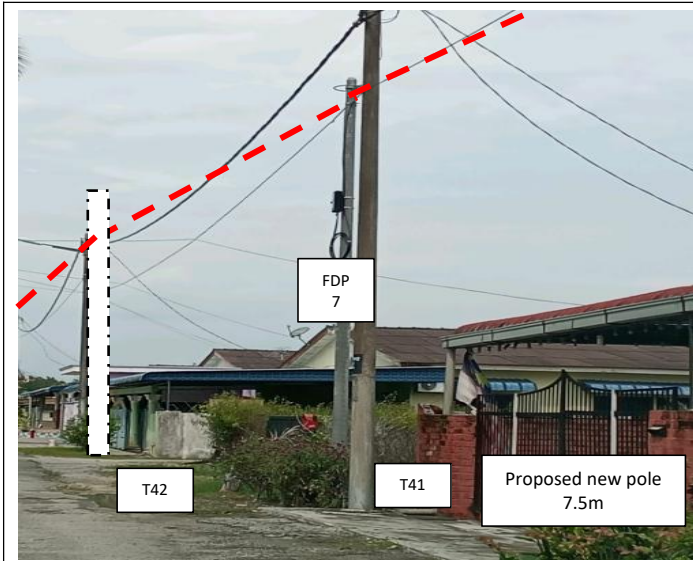
6.0 SITE PHOTOS - PROPOSED NEW POLE

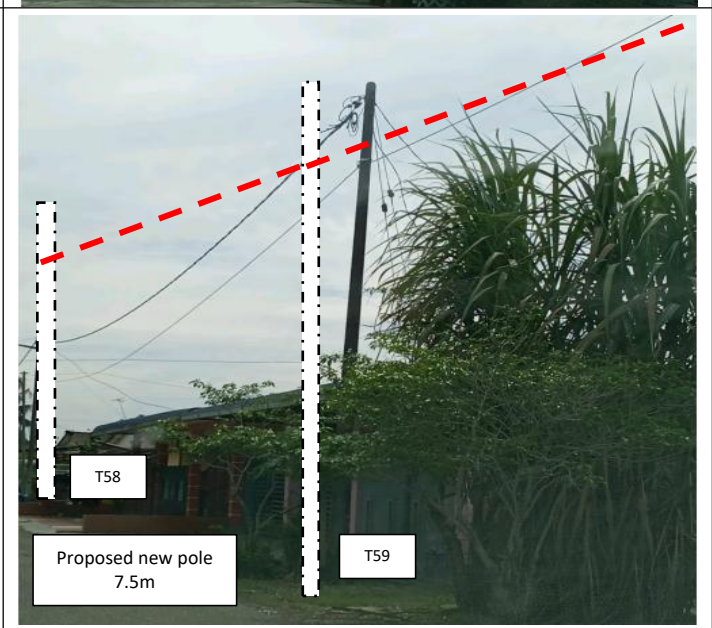
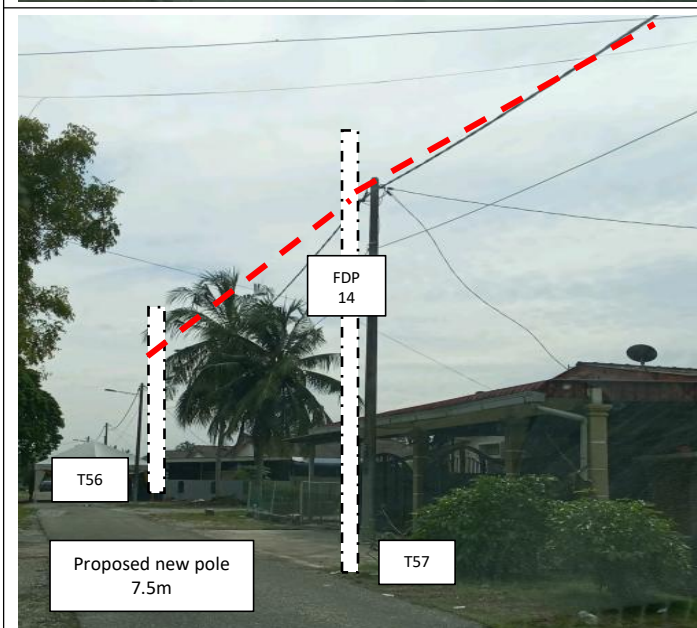
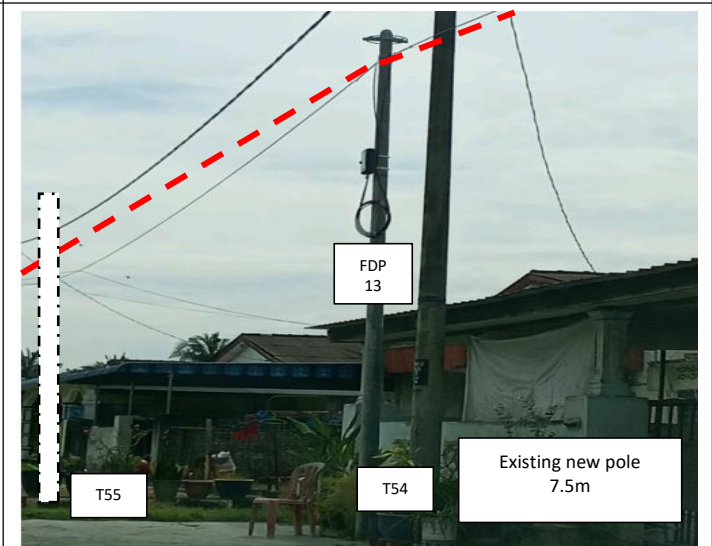
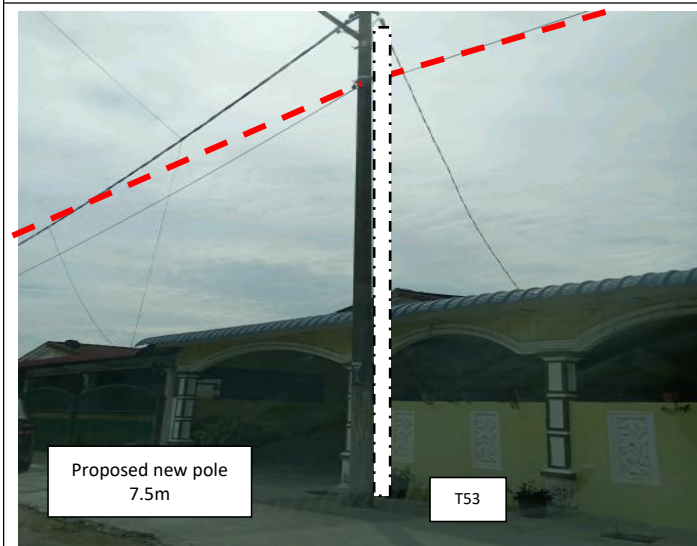
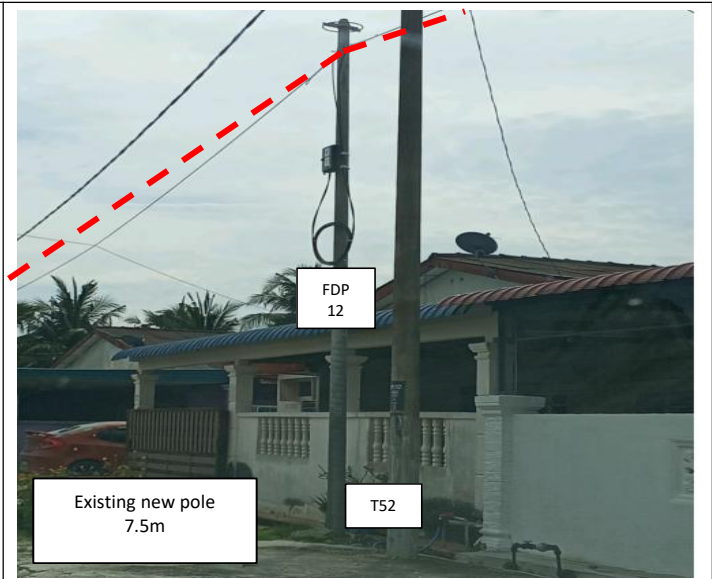
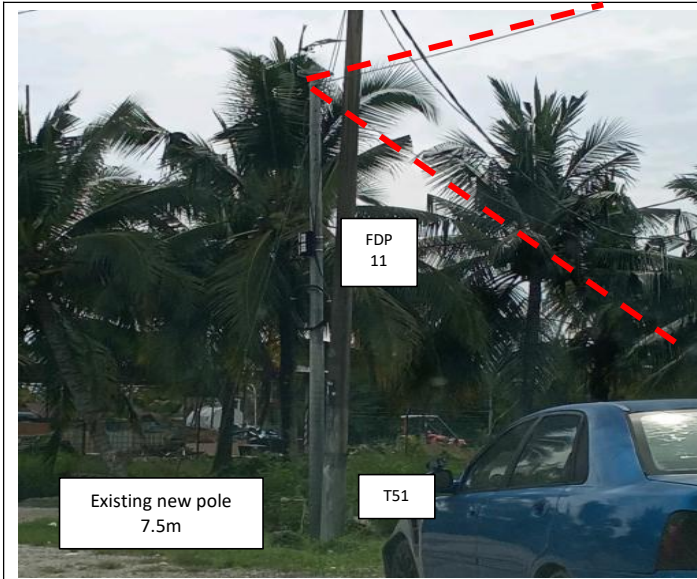


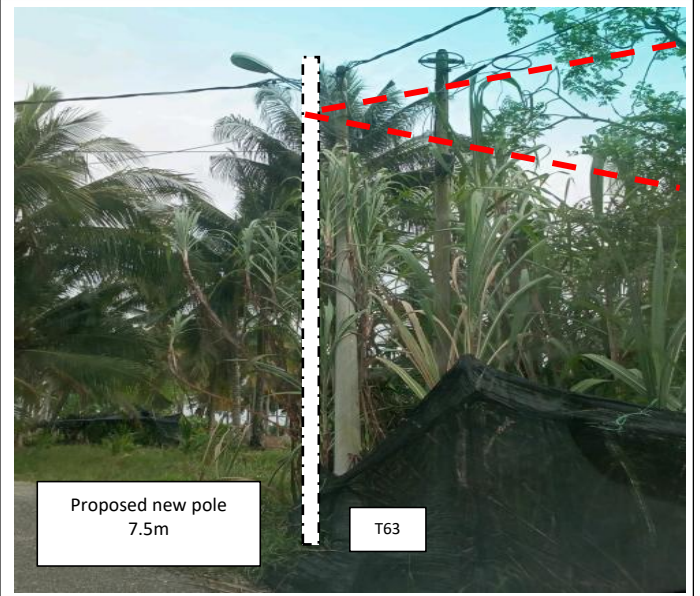
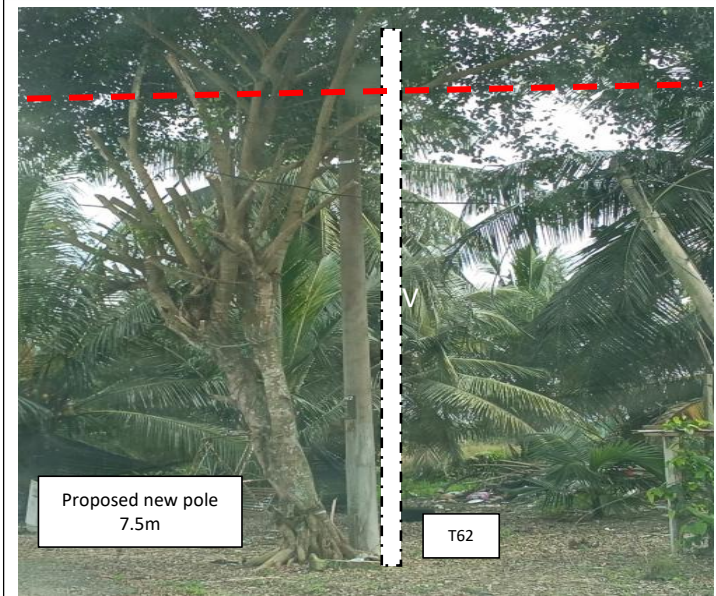
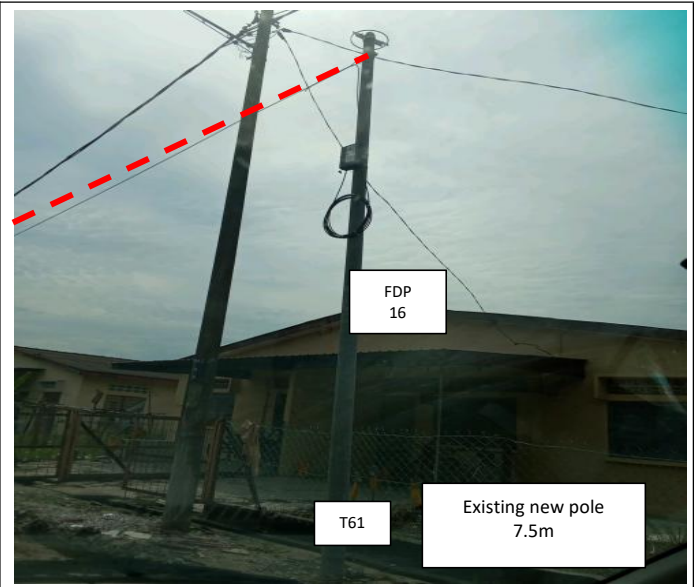
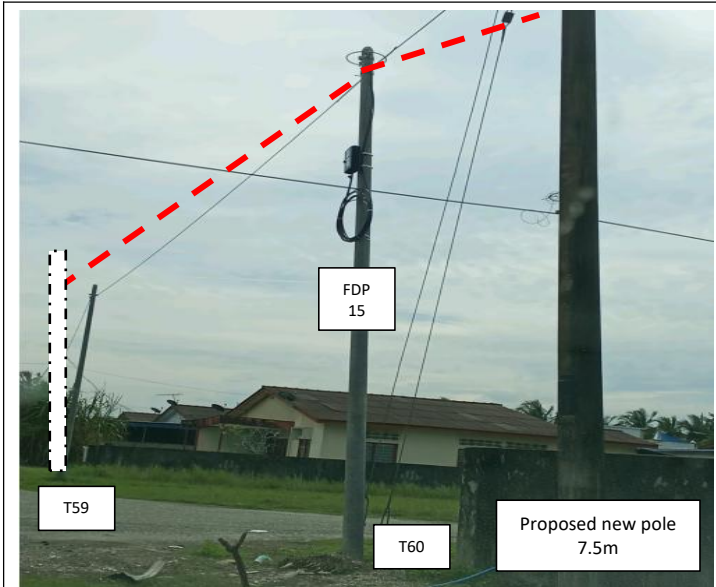












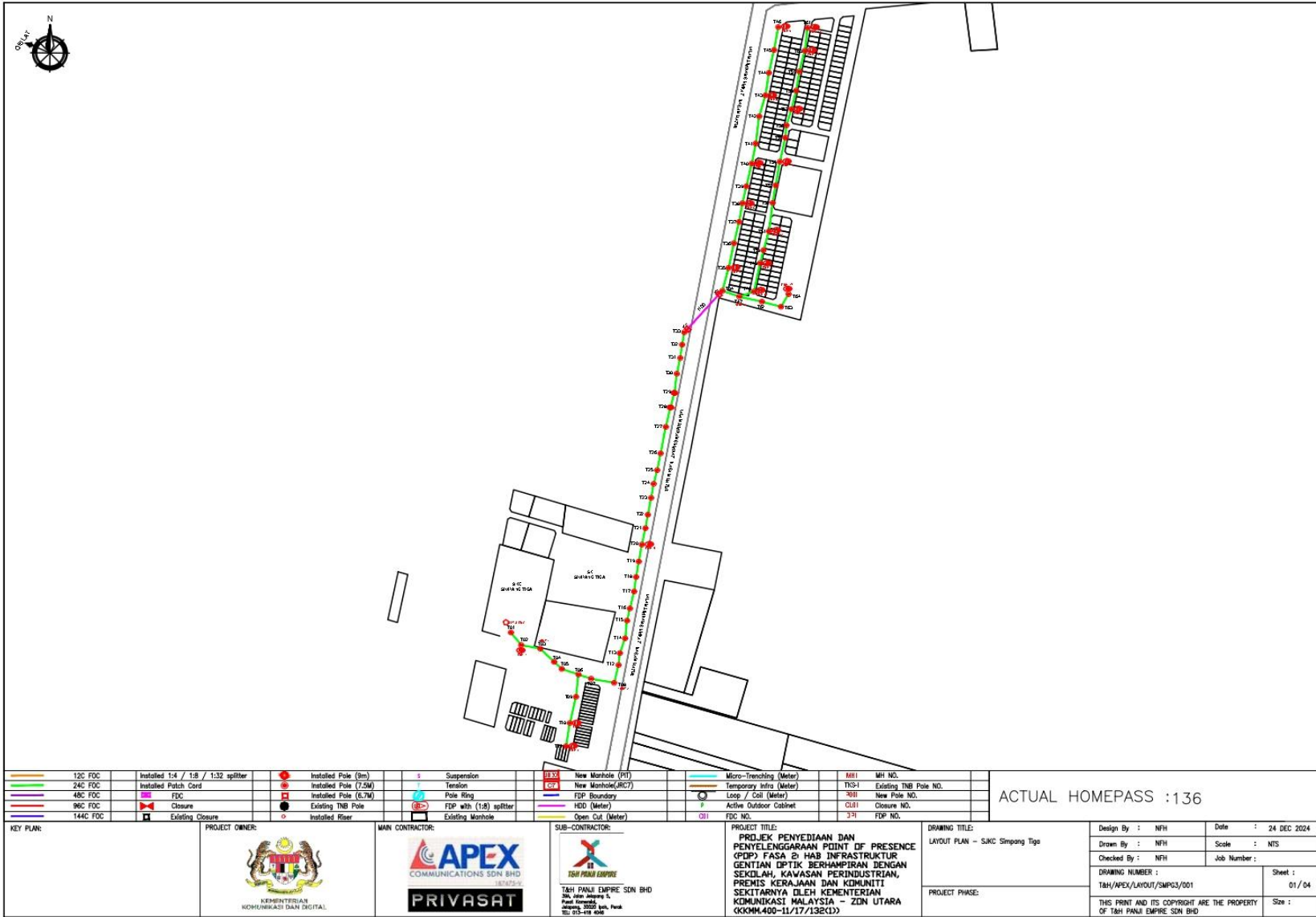


PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENT (POP) FASA 2: HAB INFRASTUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



7.0 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Perbandaran Teluk Intan	1800M
2	JKR TELUK INTAN	700M

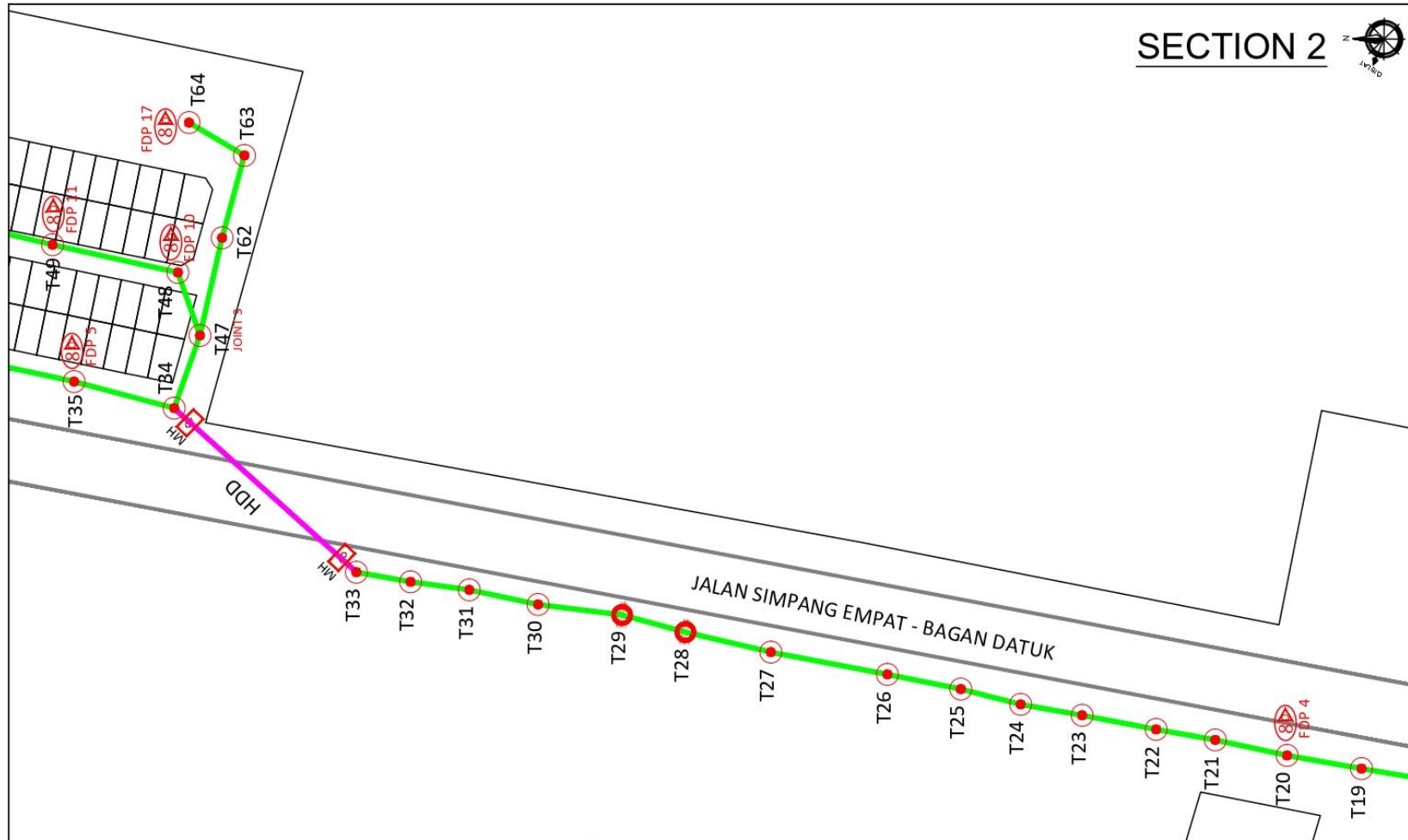


12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	New Manhole (PT)	Micro-Trenching (Meter)	MRI	MR NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	New Manhole (RC7)	Temporary Infra (Meter)	TRC-1	Existing TNB Pole NO.
48C FOC	FDC	Installed Pole (6.7M)	Pole Ring	FDP Boundary	Loop / Coil (Meter)	308	New Pole NO.
96C FOC	Closure	Existing TNB Pole	FDP with (1:8) splitter	HDD (Meter)	Active Outdoor Cabinet	OLA	Closure NO.
144C FOC	Existing Closures	Installed Riser	Existing Manhole	Open Cut (Meter)	FDC NO.	371	FDP NO.

ACTUAL HOMEPASS : 136

KEY PLAN: 	PROJECT OWNER: 	MAIN CONTRACTOR: 	SUB-CONTRACTOR: 	PROJECT TITLE: PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2d HAB INFRASTRUKTUR GENTIAN OPTIK BERTAMBAHAN DENGAN SEKILAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKM-400-11/17/ISEK3)	DRAWING TITLE: LAYOUT PLAN – SJKC Simpang Tiga	Design By : NfH Drawn By : NfH Checked By : NfH	Date : 24 DEC 2024 Scale : NTS Job Number :
					PROJECT PHASE:	DRAWING NUMBER : T&H/APEX/LAYOUT/SMPG3/001	Sheet : 01 / 04
THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF T&H PALU EMPRE SDN BHD						Size :	

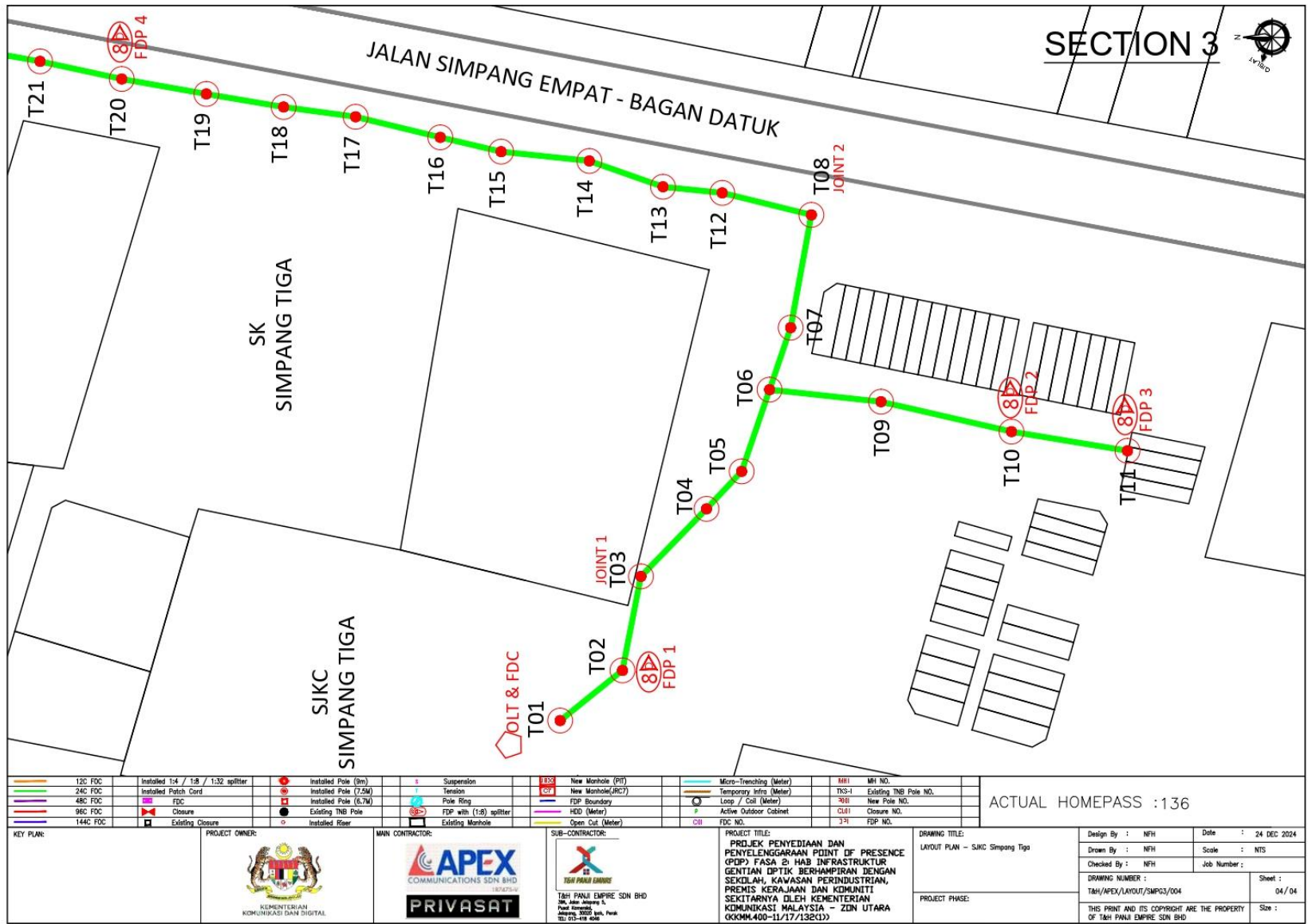
SECTION 2



12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	New Manhole (PIT)	Micro-trenching (Meter)	MB1 MH NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	New Manhole (R/C)	Temporary Infra (Meter)	TKG-I Existing TNB Pole NO.
48C FOC	FDC	Installed Pole (6.7M)	Pole Ring	FDP Boundary	Loop / Coil (Meter)	New Pole NO.
96C FOC	Closure	Existing TNB Pole	FDP with (1:8) splitter	160 (Meter)	Active Outdoor Cabinet	Closure NO.
144C FOC	Existing Closure	Installed Fiber	Existing Manhole	Open Cut (Meter)	FDC NO.	FDP NO.

ACTUAL HOMEPASS : 136

<p>KEY PLAN:</p> <p>KEMENTERIAN KOMUNIKASI DAN DIGITAL</p>	<p>PROJECT OWNER:</p> <p>APEX COMMUNICATIONS SDN BHD</p> <p>PRIVASAT</p>	<p>MAN CONTRACTOR:</p> <p>T&H PANJI EMPIRE</p> <p>T&H PANJI EMPIRE SDN BHD 201, Jalan Jelapang 5, Pekan Kemuning, Johore Bahru, 81020 Johor, Perak Tel: 015-418 6464</p>	<p>SUB-CONTRACTOR:</p>	<p>PROJECT TITLE:</p> <p>PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPARAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA DELEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZIN UTARA (KKMM.400-11/17/132(1))</p>	<p>DRAWING TITLE:</p> <p>LAYOUT PLAN - SJRC Simpang Tiga</p>	<p>Design By : NPH</p> <p>Drawn By : NPH</p> <p>Checked By : NPH</p>	<p>Date : 24 DEC 2024</p> <p>Scale : NTS</p> <p>Job Number :</p>
						<p>PROJECT PHASE:</p>	<p>DRAWING NUMBER :</p> <p>T&H/APEX/LAYOUT/SMPG3/003</p> <p>Sheet : 03 / 04</p> <p>Size :</p>



SECTION 3



JALAN SIMPANG EMPAT - BAGAN DATUK

SK SIMPANG TIGA

SIKC SIMPANG TIGA

12C FDC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	New Manhole (PI)	Micro-Trenching (Meter)	MRI	MH NO.
24C FDC	Installed Patch Cord	Installed Pole (7.5M)	Tension	New Manhole (RC7)	Temporary Mfg (Meter)	T05-1	Existing TNB Pole NO.
48C FDC	FDC	Installed Pole (6.7M)	Pole Ring	FDP Boundary	Loop / Coil (Meter)	200	New Pole NO.
96C FDC	Closure	Existing TNB Pole	FDP with (1:8) splitter	HDP (Meter)	Active Outdoor Cabinet	CL01	Closure NO.
144C FDC	Existing Closure	Installed Riser	Existing Manhole	Open Cut (Meter)	FDC NO.	32	FDP NO.

ACTUAL HOMEPASS : 136

<p>KEY PLAN:</p>	<p>PROJECT OWNER:</p> 	<p>MAIN CONTRACTOR:</p>  <p>PRIVASAT</p>	<p>SUB-CONTRACTOR:</p>  <p>TMN PANGLOSS SDN BHD No. 1, Jalan Ampang 5, Pusat Komersial, Ampang, 50100 Ipoh, Perak. RD 03-118-006</p>	<p>PROJECT TITLE:</p> <p>PROJEK PENYEDIAAN DAN PENYELANGGARAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERTAMPAHAN DENGAN SEKILAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKM-400-11/17/13EX12)</p>	<p>DRAWING TITLE:</p> <p>LAYOUT PLAN - SIKC Simpang Tiga</p>	<p>Design By : NFH</p> <p>Drawn By : NFH</p> <p>Checked By : NFH</p> <p>DRAWING NUMBER : TMH/AFEX/LAYOUT/SMPG3/004</p> <p>THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF TMN PANGLOSS SDN BHD.</p>	<p>Date : 24 DEC 2024</p> <p>Scale : NTS</p> <p>Job Number :</p> <p>Sheet : 04 / 04</p> <p>Size :</p>
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