



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 (KKM.4.00-11/17/132(1))



TECHNICAL PROPOSAL

POP2 ABCB006 SEKOLAH JENIS KEBANGSAAN (CINA) CHONG SAN (D-SIDE)

Company Name : KNZ Engineering Sdn. Bhd.
Company Address : NO 60 & 60 A JALAN KLEBANG INDAH 1 MEDAN KLEBANG INDAH 30010 IPOH PERAK
Prepared By : Azhan Haris
Date : 29/11/2024



Starting Point

Site / Boundary Name : Bagan Datuk
 Address : Sekolah Jenis Kebangsaan (Cina) Chong San, Kg Sg Burung
 District : Bagan Datuk
 Postcode : 36100
 State : Perak
 GPS Coordinate : 3.975532, 100.708593
 LRD : A

End Point

Site / Boundary Name : Bagan Datuk
 Address : Kg Sg Burung
 District : Bagan Datuk
 Postcode : 36100
 State : Perak
 GPS Coordinate : 3.979301650851923, 100.70586126068667
 LRD : B



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1.0 WORK SUMMARY

NO	PROPOSED DISTANCE AND METHOD	UNIT	QUANTITY
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

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fibre Cables	m	2,550m
2	Install New Pole	ea	51
3	Install New JRC7 Manhole	ea	0
4	Install GI Riser 100mm	ea	0
5	Install Fiber Distribution Point	ea	13
6	Install Closure	ea	5
7	Estimated Time Required for Completion	days	14

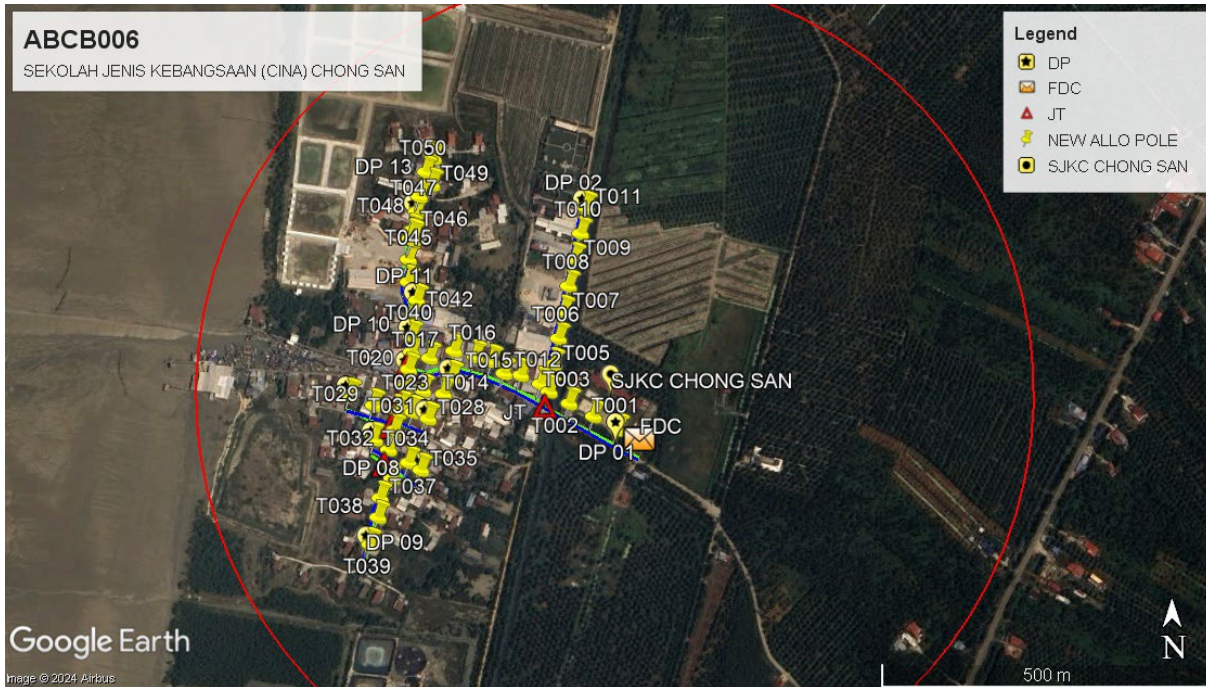
2.0 LOCAL AUTHORITY SUMMARY

Daerah Bagan Datuk

Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	-	-
		Majlis	51	1,569m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				1,569m

3.0 SITE PLAN (KMZ)

3.1 Overview Site Area



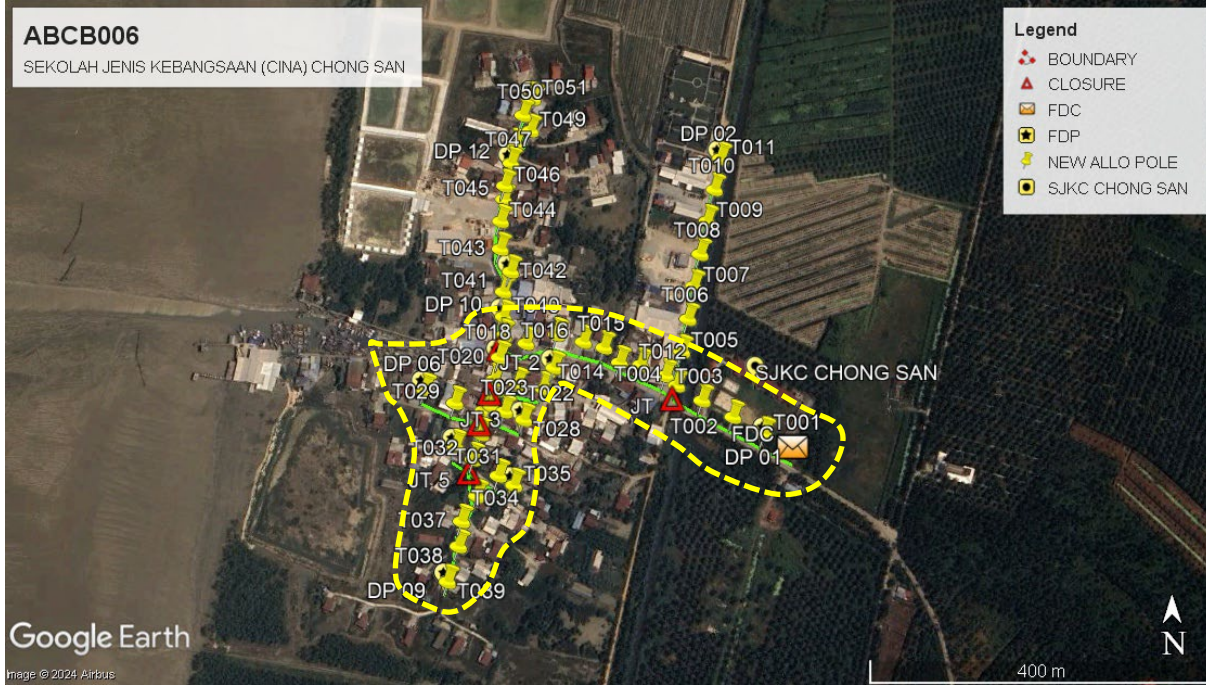
3.2 Site Plan - KMZ Routing (All Local Authority)



Blue Colour - Majlis Road

Site Plan - KMZ Routing (All site area)

Route 1



Route 1.1



Route 1.2



Site Plan - KMZ Routing (Proposed New Pole)



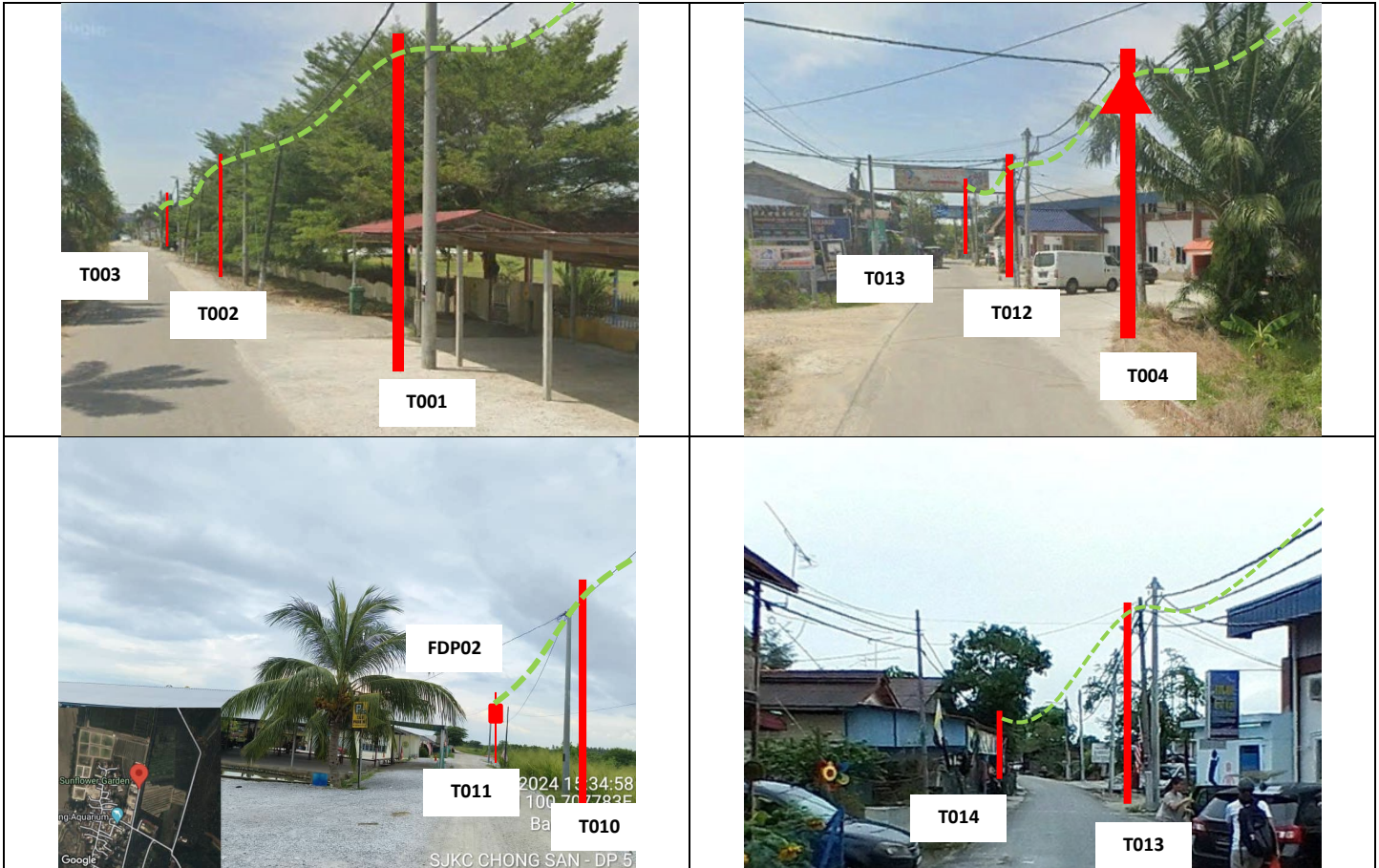
4.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T001	40	3.975589	100.708344	Majlis Road
2	T002	40	3.975770	100.708014	Majlis Road
3	T003	40	3.975947	100.707685	Majlis Road
4	T004	40	3.976109	100.707415	Majlis Road
5	T005	40	3.976475	100.707473	Majlis Road
6	T006	40	3.976826	100.707545	Majlis Road
7	T007	40	3.977183	100.707613	Majlis Road
8	T008	40	3.977533	100.707685	Majlis Road
9	T009	40	3.977895	100.707767	Majlis Road
10	T010	40	3.978244	100.707852	Majlis Road
11	T011	40	3.978590	100.707925	Majlis Road
12	T012	40	3.976214	100.707296	Majlis Road
13	T013	40	3.976333	100.707030	Majlis Road
14	T014	40	3.976359	100.706805	Majlis Road
15	T015	40	3.976520	100.706635	Majlis Road
16	T016	40	3.976584	100.706412	Majlis Road
17	T017	40	3.976666	100.706124	Majlis Road
18	T018	40	3.976571	100.705793	Majlis Road
19	T019	40	3.976655	100.705548	Majlis Road
20	T020	40	3.976421	100.705508	Majlis Road
21	T021	40	3.976179	100.705450	Majlis Road
22	T022	40	3.976133	100.705702	Majlis Road
23	T023	40	3.976084	100.705980	Majlis Road
24	T024	40	3.976308	100.706096	Majlis Road
25	T025	40	3.975855	100.705340	Majlis Road
26	T026	40	3.975902	100.705423	Majlis Road
27	T027	40	3.975842	100.705563	Majlis Road
28	T028	40	3.975752	100.705771	Majlis Road
29	T029	40	3.975936	100.705030	Majlis Road
30	T030	40	3.976077	100.704708	Majlis Road

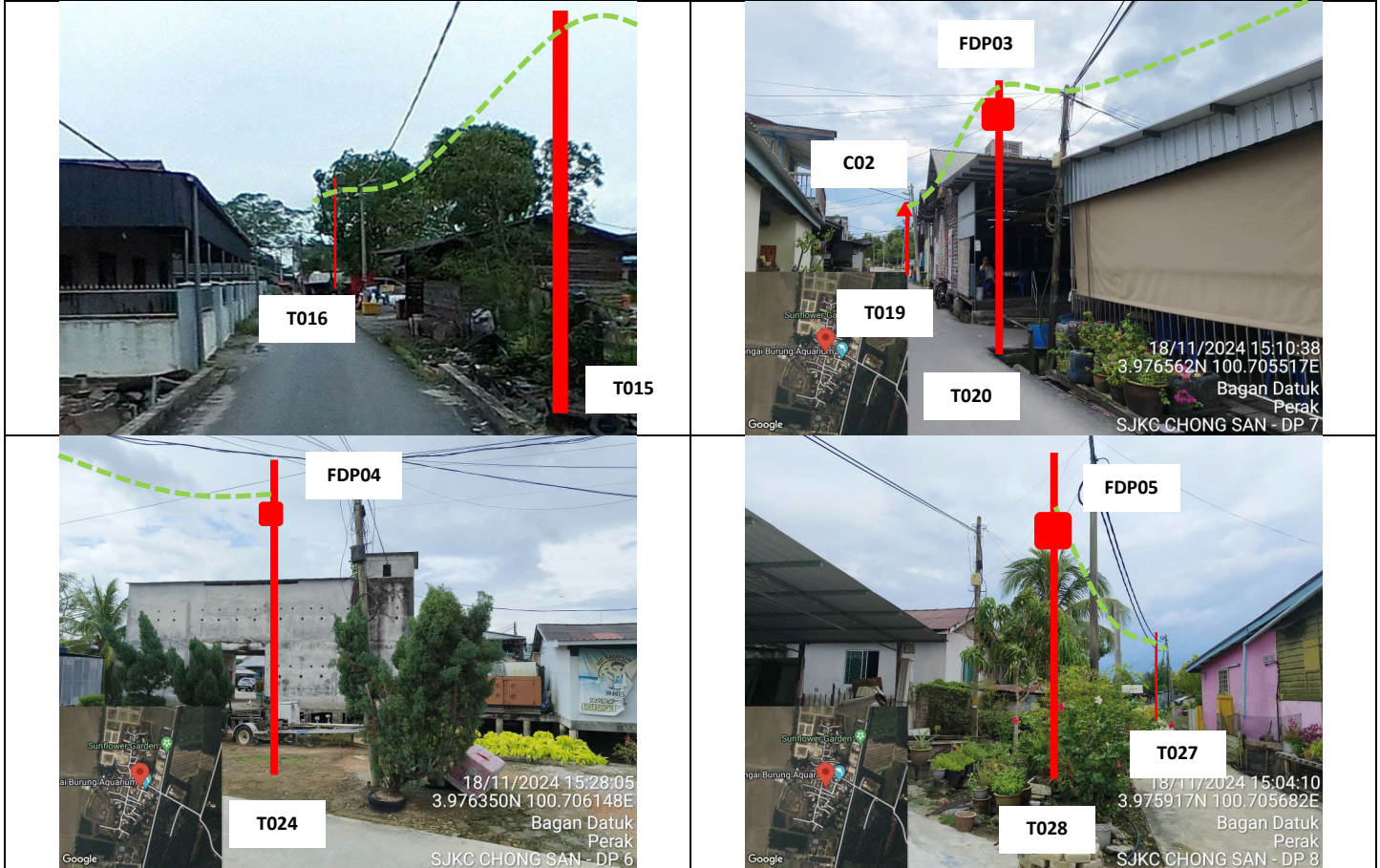
1.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T031	40	3.975601	100.705312	Majlis Road
2	T032	40	3.975336	100.705233	Majlis Road
3	T033	40	3.975474	100.705042	Majlis Road
4	T034	40	3.975160	100.705501	Majlis Road
5	T035	40	3.975059	100.705668	Majlis Road
6	T036	40	3.974948	100.705274	Majlis Road
7	T037	40	3.974683	100.705113	Majlis Road
8	T038	40	3.974422	100.705082	Majlis Road
9	T039	40	3.974056	100.704970	Majlis Road
10	T040	40	3.976862	100.705548	Majlis Road
11	T041	40	3.977132	100.705546	Majlis Road
12	T042	40	3.977352	100.705626	Majlis Road
13	T043	40	3.977601	100.705512	Majlis Road
14	T044	20	3.977906	100.705514	Majlis Road
15	T045	20	3.978149	100.705548	Majlis Road
16	T046	40	3.978298	100.705558	Majlis Road
17	T047	40	3.978549	100.705628	Majlis Road
18	T048	40	3.978756	100.705667	Majlis Road
19	T049	40	3.978914	100.705839	Majlis Road
20	T050	40	3.979086	100.705755	Majlis Road
21	T051	40	3.979273	100.705862	Majlis Road

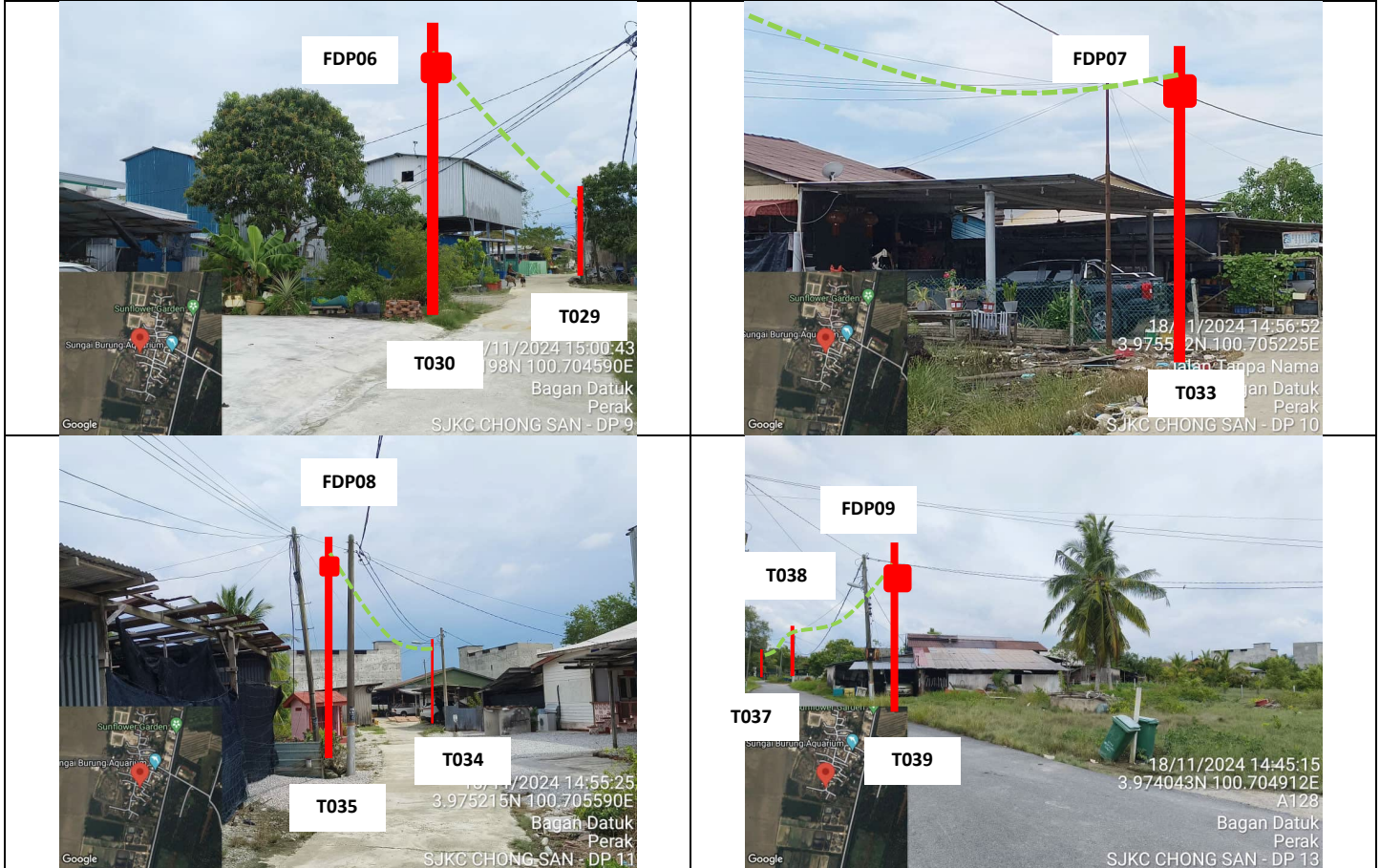
1.0 SITE PHOTOS - PROPOSED NEW POLE



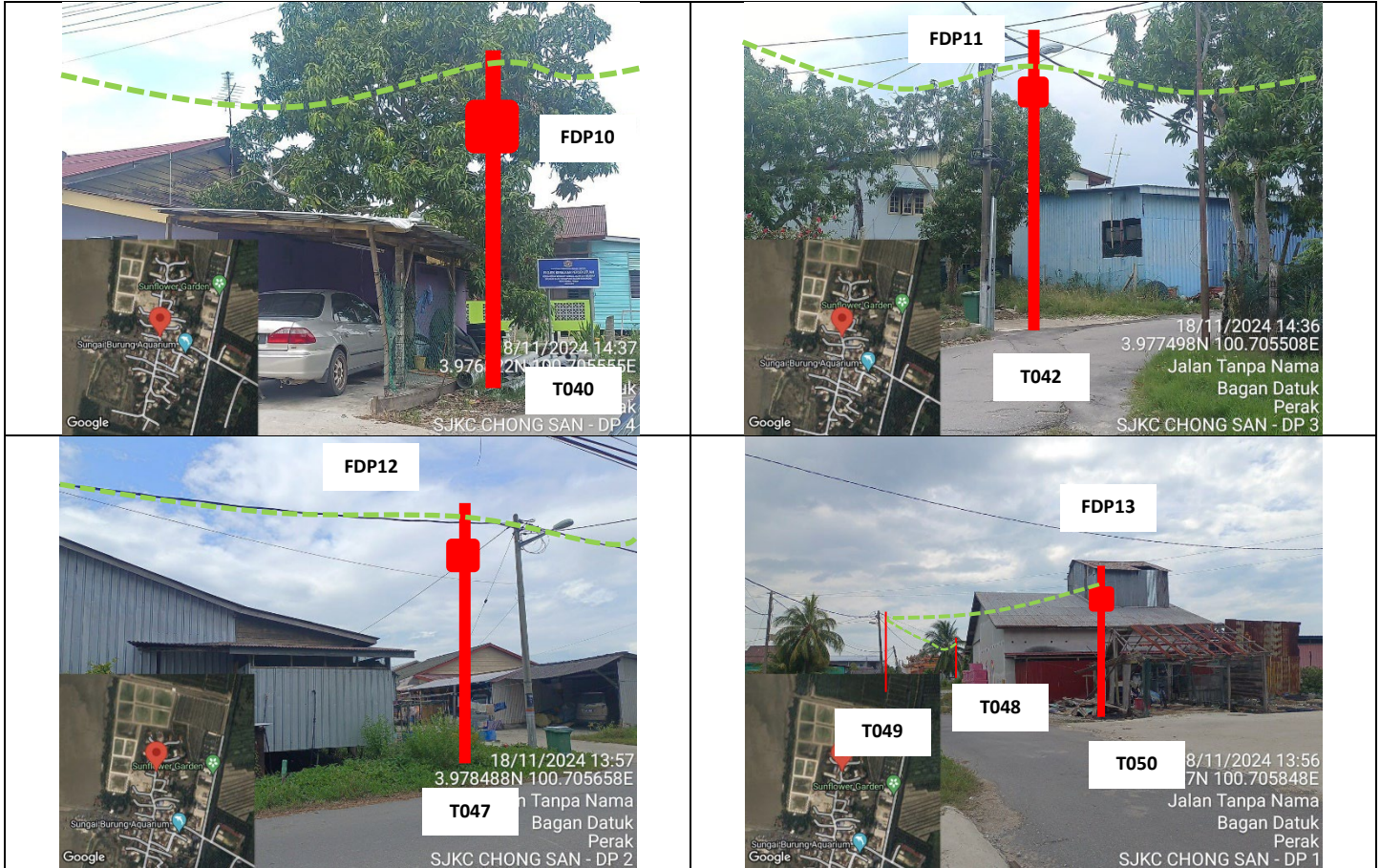
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1.0 SITE PHOTOS - PROPOSED NEW POLE





SUPPLY, INSTALLATION AND COMMISSIONING OF FTTX NETWORK INFRASTRUCTURE FOR ALLO TECHNOLOGY SDN BHD POP 2 PROJECT (D-SIDE) - PMU BSRI FOR ABC3056 SEKOLAH KEBANGSAAN JENIS (CINA) ALOR PONGSU



1.0 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Perbandaran Teluk Intan	1,569m



	12C FOC	Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH NO.
	24C FOC	Installed Patch Cord		Installed Pole (7.5M)		Tension		New Manhole(JRC7)		Temporary Infra (Meter)		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		HDD (Meter)		Active Outdoor Cabinet		Closure NO.
	144C FOC	Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		FDC NO.		FDP NO.

ACTUAL HOMEPASS :



PROJECT OWNER:

KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR:

APEX COMMUNICATIONS SDN BHD
187475-V

PRIVASAT

SUB-CONTRACTOR:

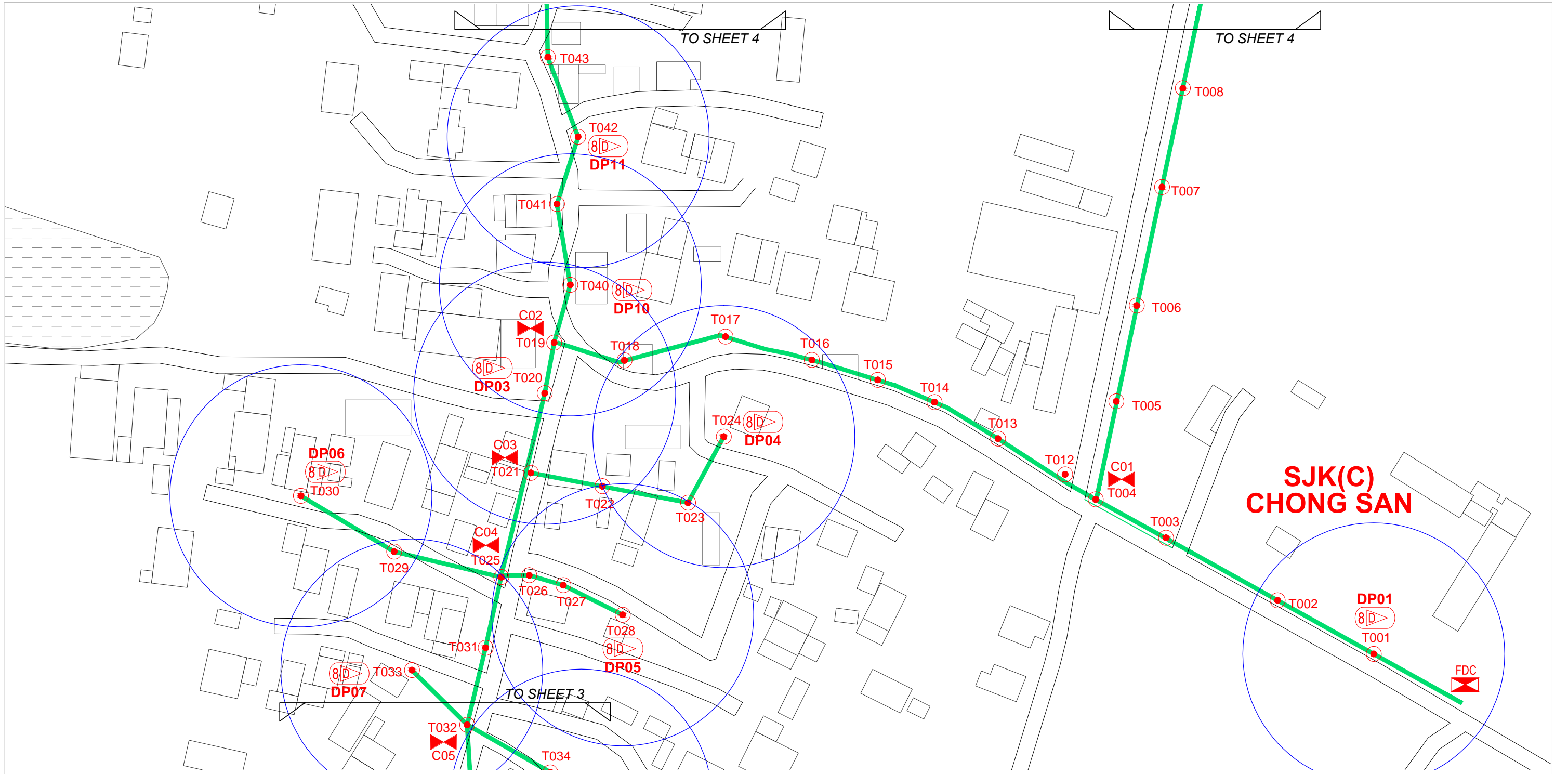
KNZ ENGINEERING SDN BHD
NO. 60 & 60A, Jalan Klebang Indah 1,
Medan Klebang Indah,
30100 Ipoh, Perak
No Tel: 019-3695071
Email: admin@knzengineering.com.my
Website: www.knzengineering.com.my

PROJECT TITLE:
SEKOLAH JENIS KEBANGSAAN (CINA) CHONG SAN

DRAWING TITLE:
TP Drawing

PROJECT ID:
ABCB006

Design By : (Contractor)	Date :
Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
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Size : A3	



	12C FOC	Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH NO.
	24C FOC	Installed Patch Cord		Installed Pole (7.5M)		Tension		New Manhole(JRC7)		Temporary Infra (Meter)		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		HDD (Meter)		Active Outdoor Cabinet		Closure NO.
	144C FOC	Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		FDC NO.		FDP NO.

ACTUAL HOMEPASS :



SUB-CONTRACTOR:

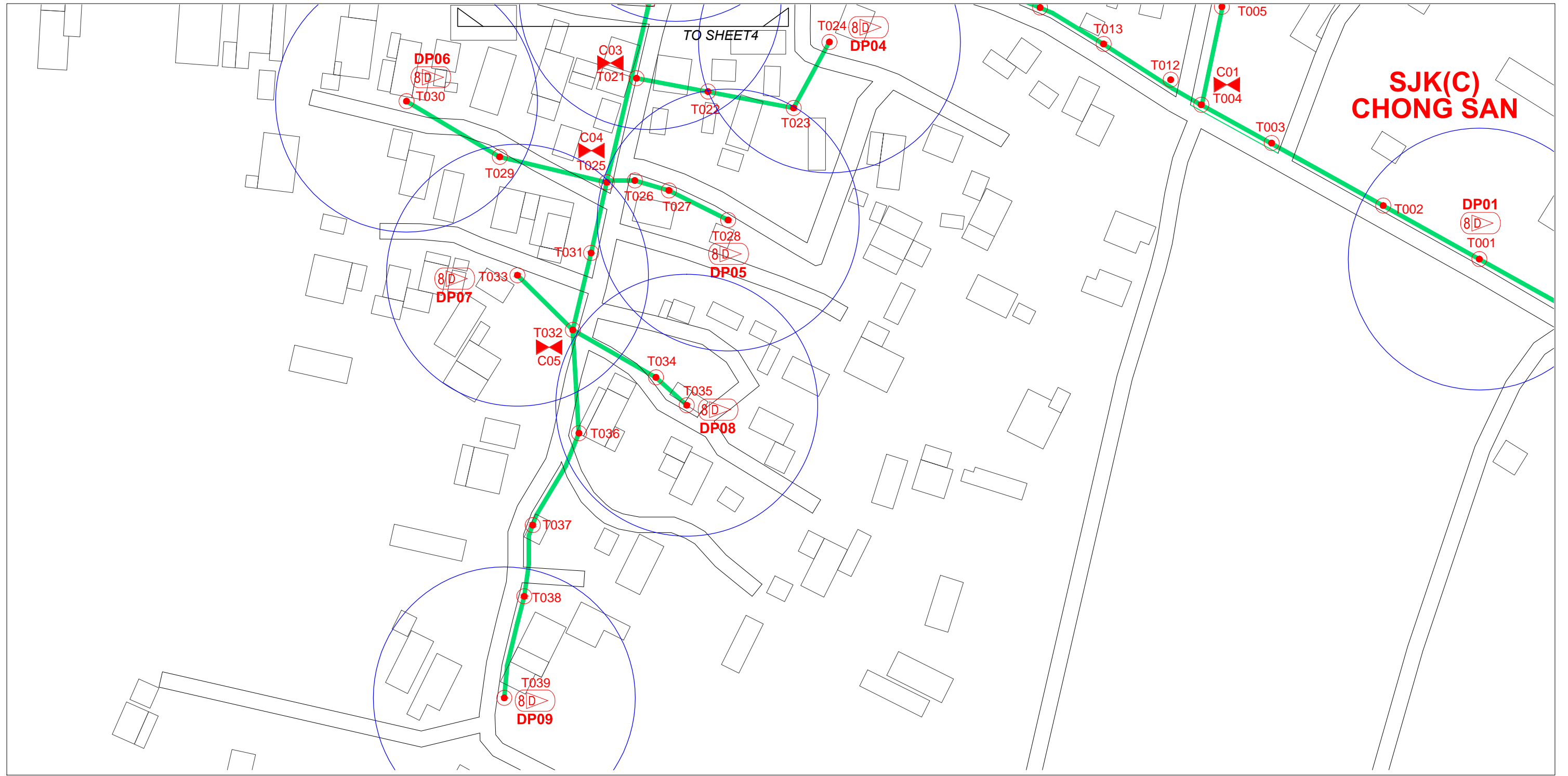
 KNZ ENGINEERING SDN BHD
 NO. 60 & 60A, Jalan Klebang Indah 1,
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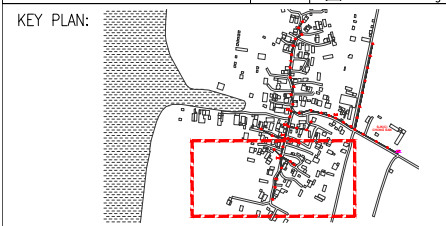
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	12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH1 MH NO.
	24C FOC		Installed Patch Cord		Installed Pole (7.5M)		Tension		New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1 Existing TNB Pole NO.
	48C FOC		FDC		Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001 New Pole NO.
	96C FOC		Closure		Existing TNB Pole		FDP with (1:8) splitter		HDD (Meter)		Active Outdoor Cabinet		CL01 Closure NO.
	144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		C01 FDC NO.		DP1 FDP NO.

ACTUAL HOMEPASS :



PROJECT OWNER:

MAIN CONTRACTOR:

SUB-CONTRACTOR:

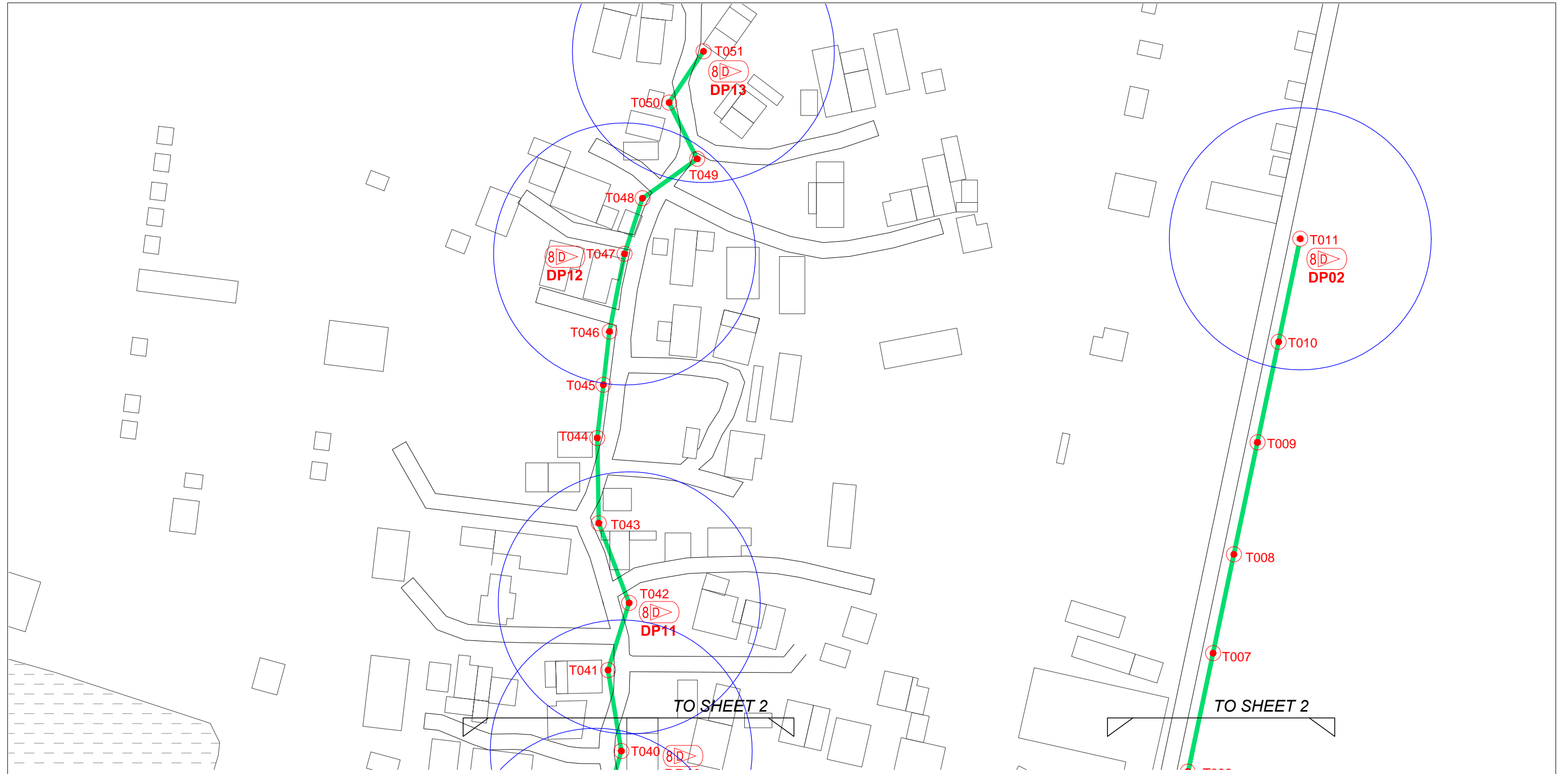
KNZ ENGINEERING SDN BHD
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	12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH NO.
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	144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		FDC NO.		FDP NO.

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(CINA) CHONG SAN**

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