

TECHNICAL PROPOSAL

POP2 ABCB011 SJK (CINA) BAGAN PASIR LAUT (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 : 09/11/2024



Starting Point

Site / Boundary Name : Bagan Pasir
 Address : SJK(C) Bagan Pasir Laut 36200 Selekoh, Perak
 District : Bagan Datuk
 Postcode : 36200
 State : Perak
 GPS Coordinate : 3.860158, 100.818356
 LRD : A

End Point

Site / Boundary Name : Bagan Pasir Laut
 Address : Kg Bagan Lipas Laut 36200 Selekoh, Perak
 District : Bagan Datuk
 Postcode : 36200
 State : Perak
 GPS Coordinate : 3.866972, 100.822659
 LRD : B



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))



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	2,740
2	Install New Pole	ea	50
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	3
7	Estimated Time Required for Completion	days	14

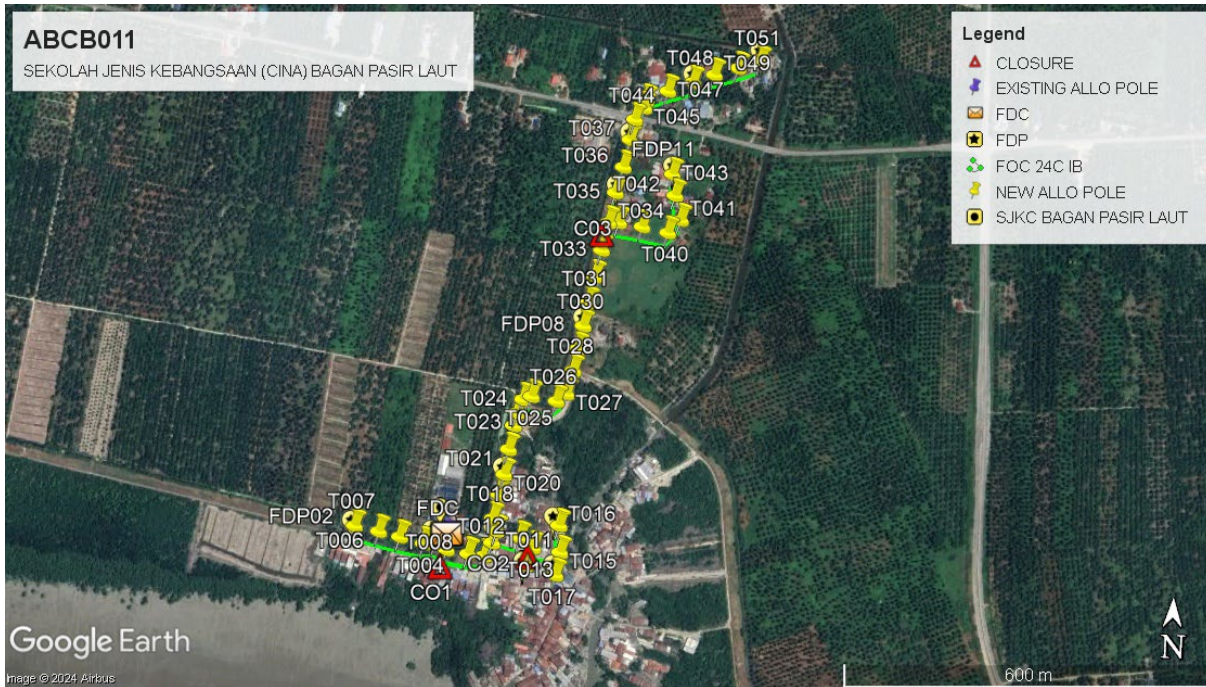
2.0 LOCAL AUTHORITY SUMMARY

Daerah Kerian

Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	2	20m
		Majlis	48	1,686m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				1,706m

3.0 SITE PLAN (KMZ)

3.1 Overview Site Area



3.2 Site Plan - KMZ Routing (All Local Authority)

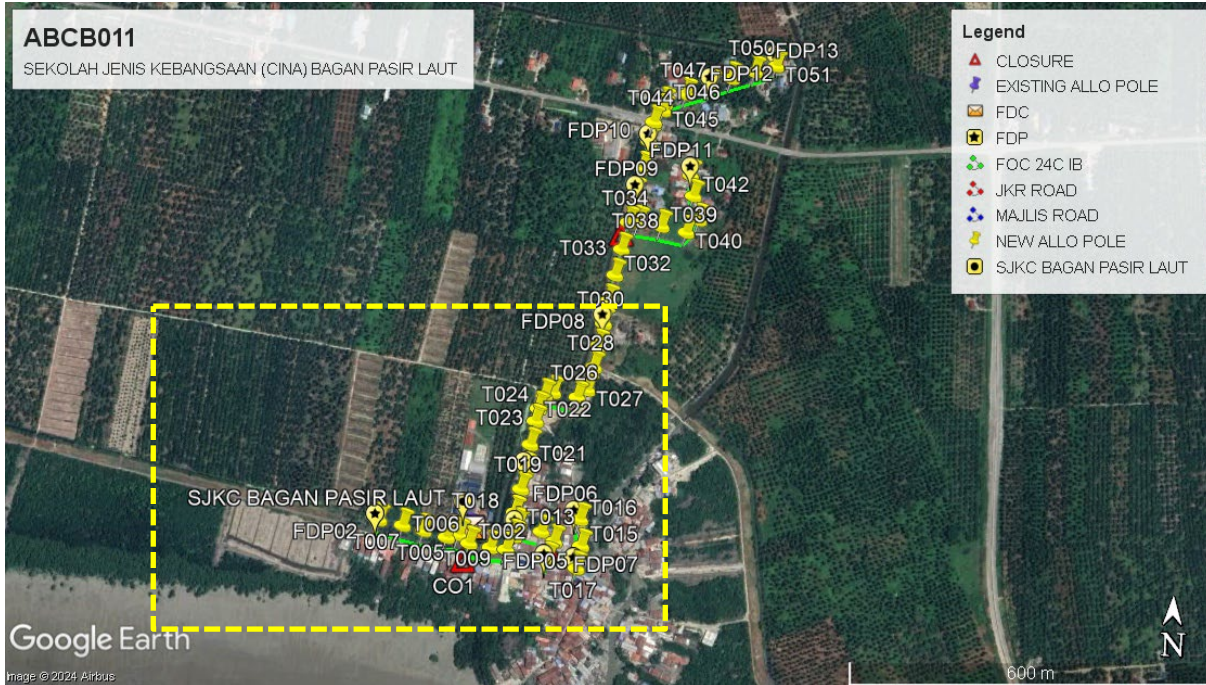


Blue Colour - Majlis Road

Red Colour – JKR Road

Site Plan - KMZ Routing (All site area)

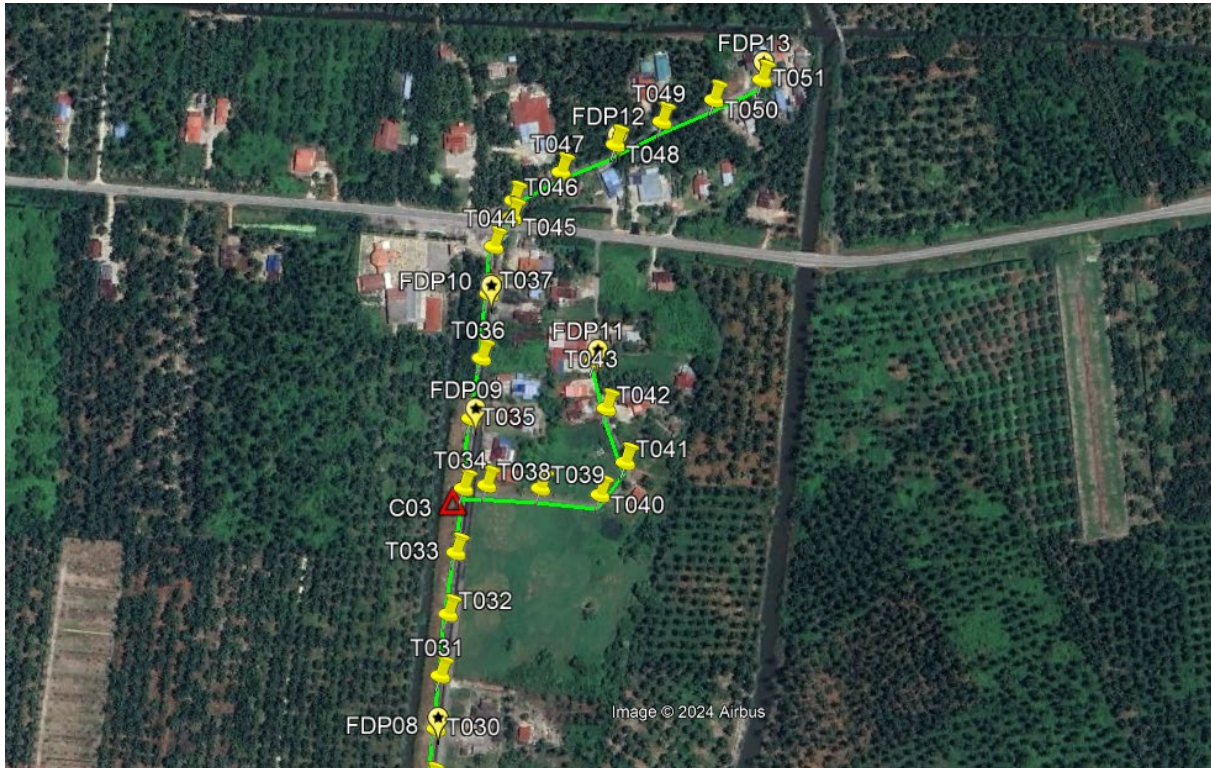
Route 1



Route 1.1



Route 1.2



Site Plan - KMZ Routing (Proposed New Pole)



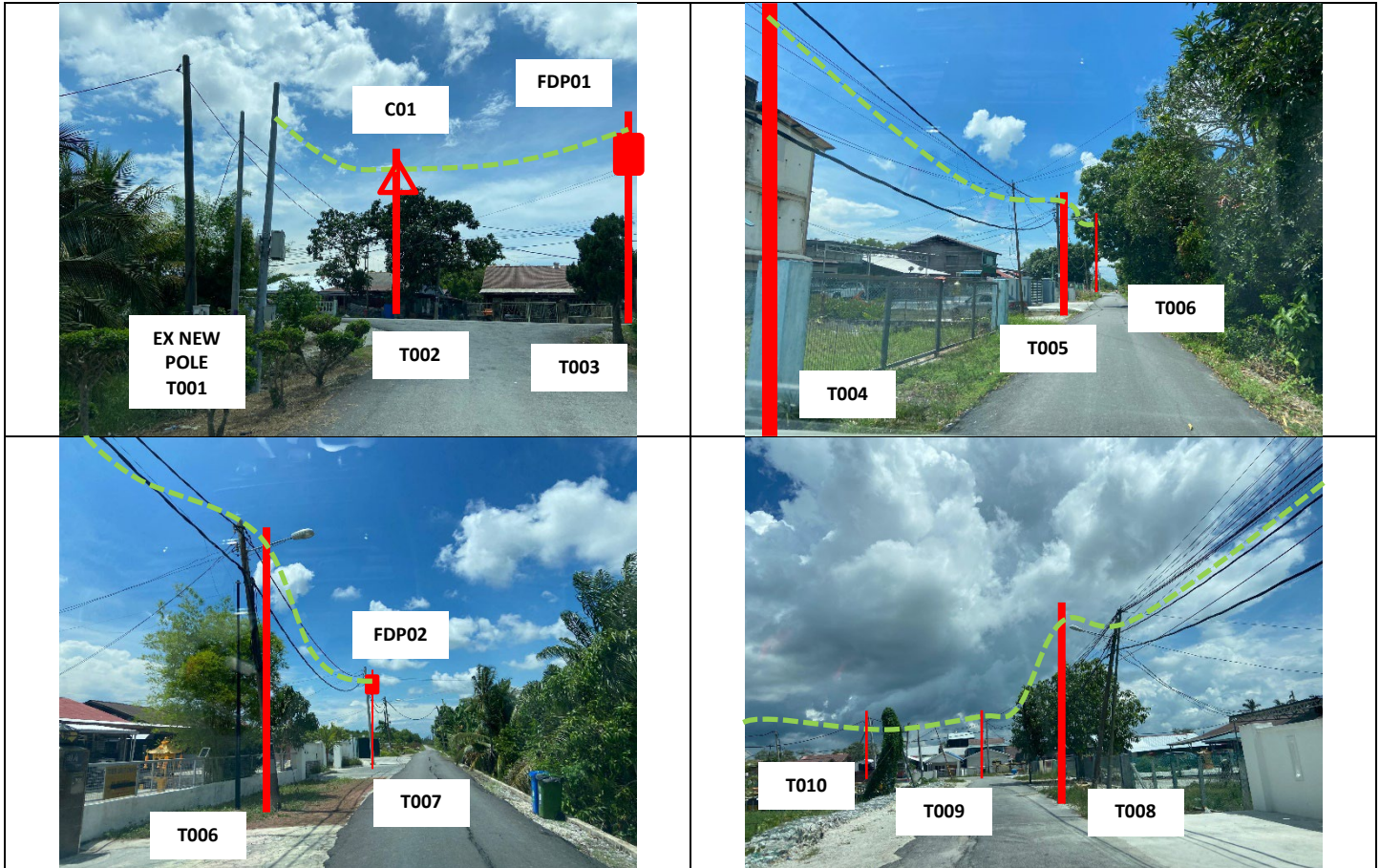
4.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T002	40	3.859482719	100.8183965	Majlis Road
2	T003	40	3.859600617	100.8182347	Majlis Road
3	T004	40	3.859555791	100.8180546	Majlis Road
4	T005	40	3.859637926	100.8177037	Majlis Road
5	T006	40	3.859701898	100.8173887	Majlis Road
6	T007	40	3.859765967	100.8170287	Majlis Road
7	T008	40	3.859436811	100.8187205	Majlis Road
8	T009	40	3.859418224	100.8189545	Majlis Road
9	T010	40	3.859616923	100.819063	Majlis Road
10	T011	40	3.859788611	100.8191174	Majlis Road
11	T012	40	3.859706476	100.8194683	Majlis Road
12	T013	40	3.859570416	100.8196661	Majlis Road
13	T014	40	3.859308383	100.8195755	Majlis Road
14	T015	40	3.859524335	100.8200711	Majlis Road
15	T016	40	3.859913231	100.8200359	Majlis Road
16	T017	40	3.859189885	100.8200163	Majlis Road
17	T018	40	3.859969593	100.8190547	Majlis Road
18	T019	40	3.860322088	100.8191275	Majlis Road
19	T020	40	3.860620349	100.8191912	Majlis Road
20	T021	40	3.860990987	100.819237	Majlis Road
21	T022	40	3.861343521	100.8192917	Majlis Road
22	T023	40	3.861533333	100.8193281	Majlis Road
23	T024	40	3.861732089	100.8194096	Majlis Road
24	T025	40	3.861786072	100.8195357	Majlis Road
25	T026	40	3.861731025	100.8199047	Majlis Road
26	T027	40	3.861848266	100.820049	Majlis Road
27	T028	40	3.862191699	100.8201308	Majlis Road
28	T029	40	3.862517106	100.8201855	Majlis Road
29	T030	40	3.862860578	100.8202492	Majlis Road
30	T031	40	3.863204069	100.820304	Majlis Road

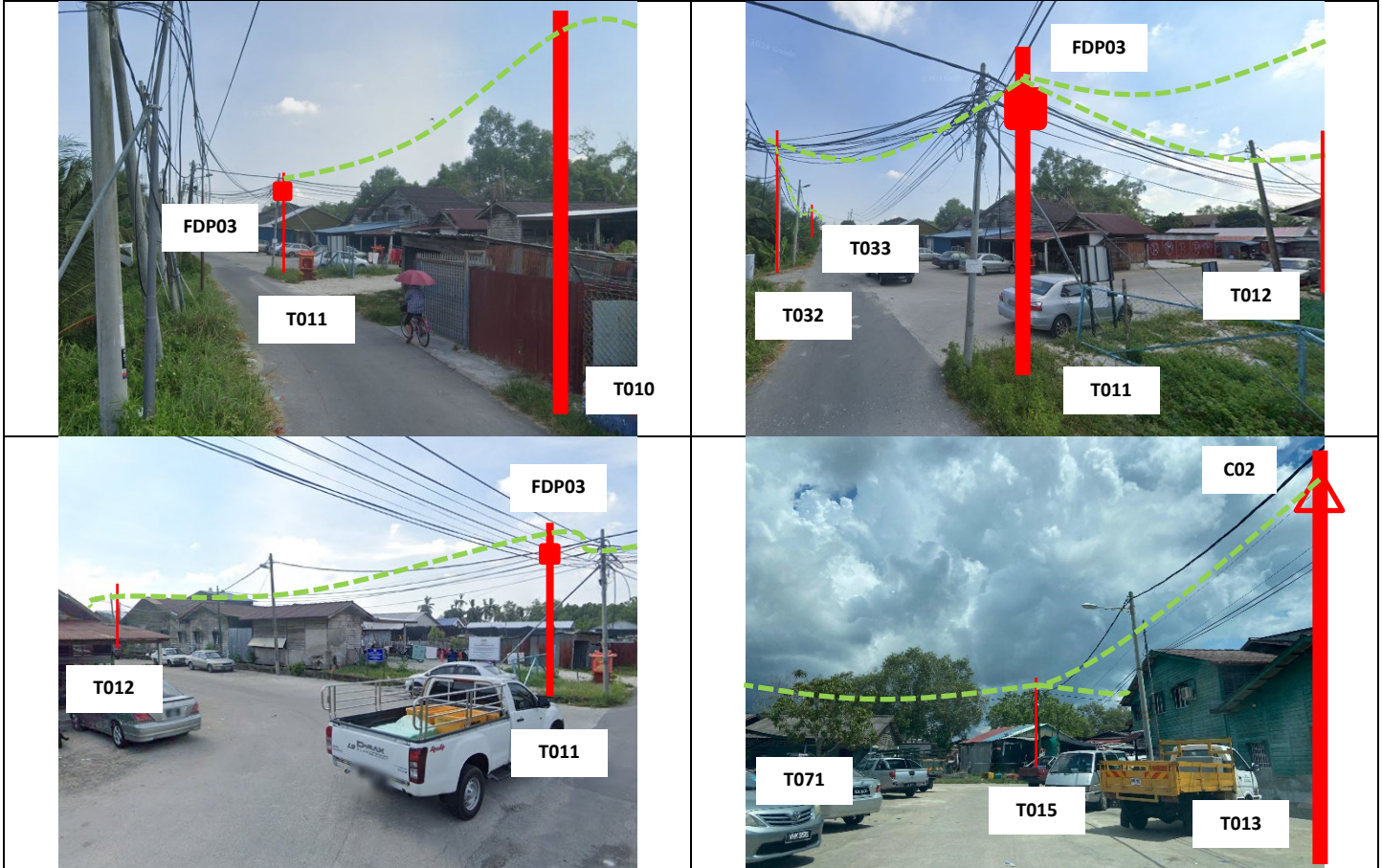
1.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T032	40	3.863601757	100.8203858	Majlis Road
2	T033	40	3.863999444	100.8204677	Majlis Road
3	T034	40	3.864415215	100.8205496	Majlis Road
4	T035	40	3.864867156	100.8206316	Majlis Road
5	T036	40	3.865255762	100.8207315	Majlis Road
6	T037	40	3.865671534	100.8208134	Majlis Road
7	T038	40	3.864423928	100.8207027	Majlis Road
8	T039	40	3.864377961	100.8210537	Majlis Road
9	T040	40	3.86430479	100.8214406	Majlis Road
10	T041	40	3.864503333	100.8216211	Majlis Road
11	T042	40	3.864865238	100.8215229	Majlis Road
12	T043	40	3.865181835	100.8214695	Majlis Road
13	T044	40	3.865978856	100.8208681	Majlis Road
14	T045	20	3.866159411	100.8210035	JKR Road
15	T046	20	3.86626788	100.8210217	JKR Road
16	T047	40	3.866429943	100.8213462	Majlis Road
17	T048	40	3.866582867	100.8217156	Majlis Road
18	T049	40	3.866708781	100.8220309	Majlis Road
19	T050	40	3.866825574	100.8223823	Majlis Road
20	T051	40	3.866933383	100.8227066	Majlis Road

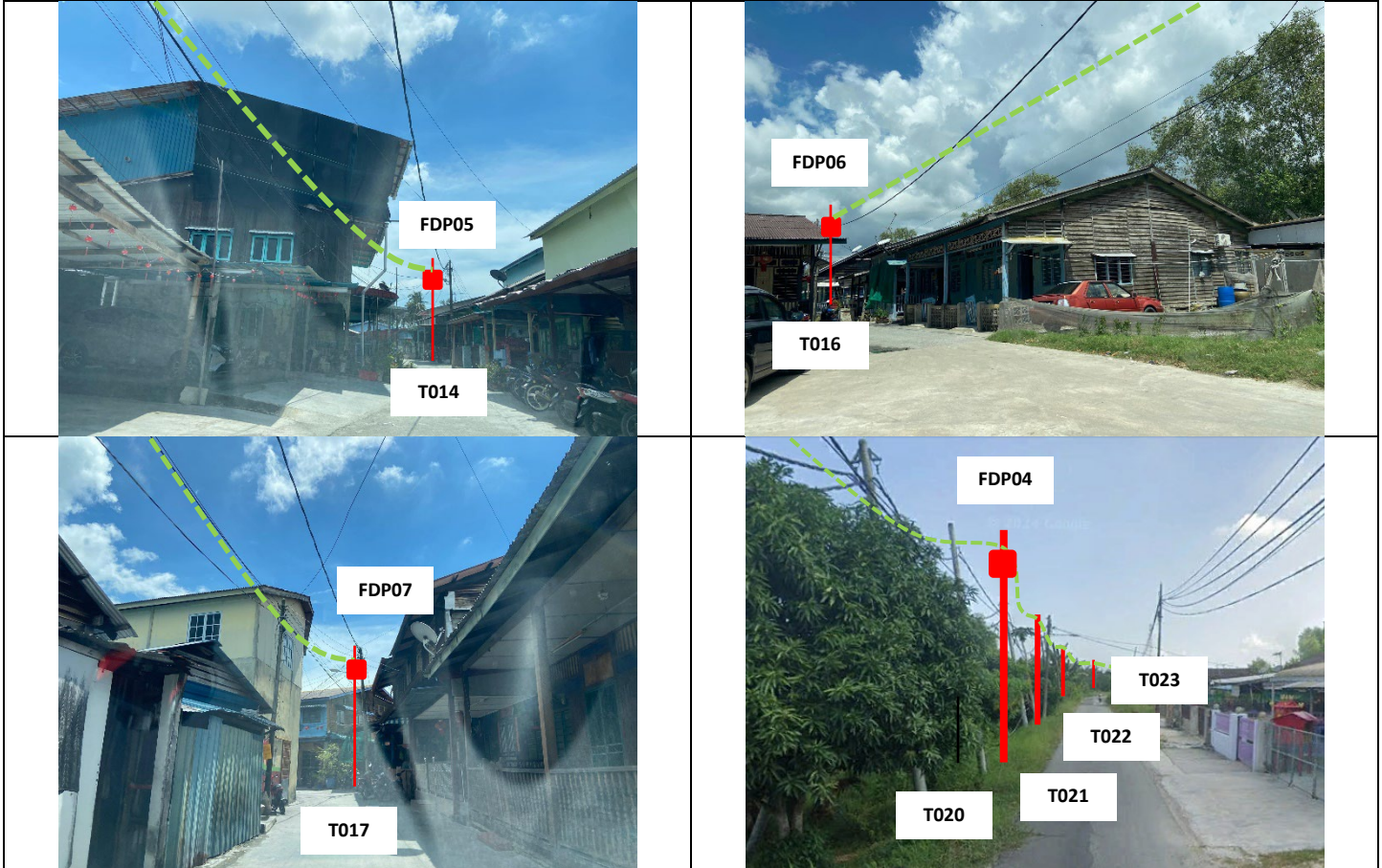
1.0 SITE PHOTOS - PROPOSED NEW POLE



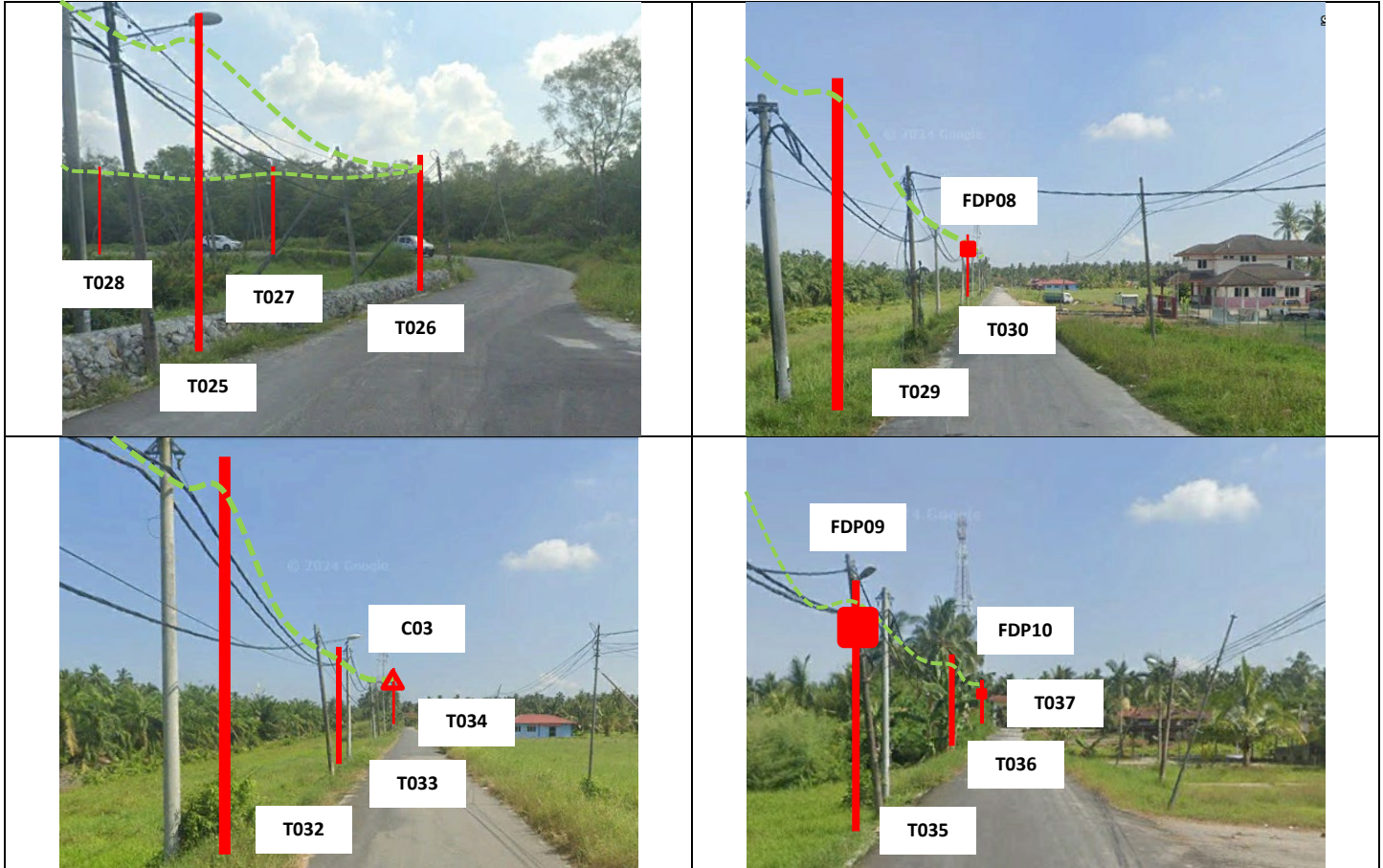
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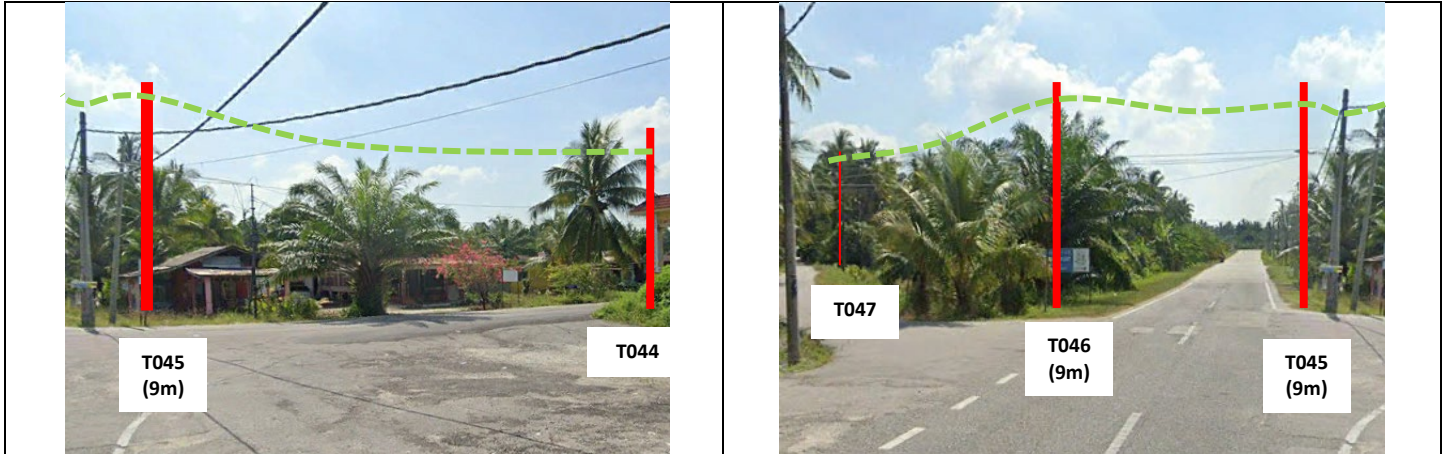
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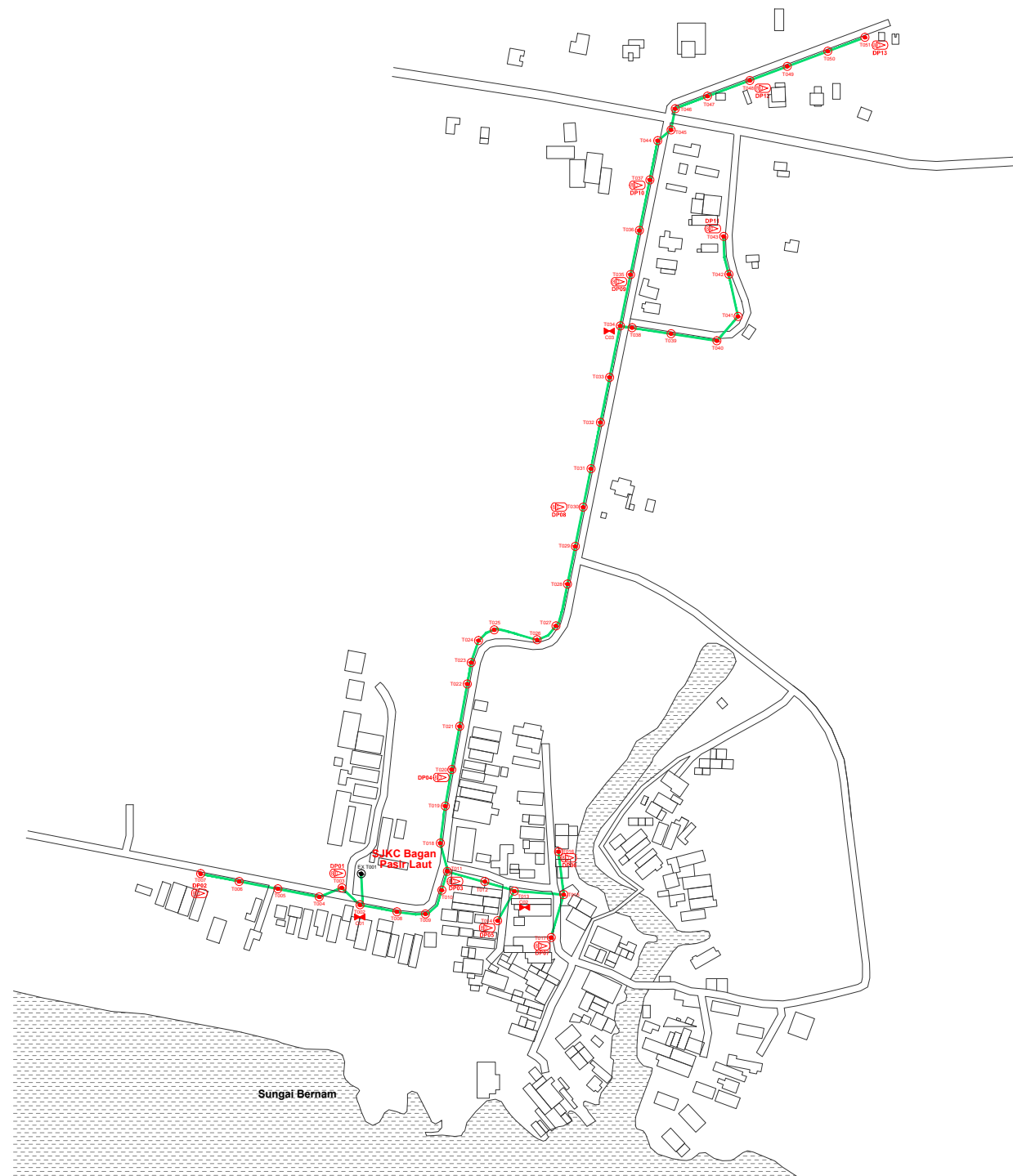


SUPPLY, INSTALLATION AND COMMISSIONING OF FTTX NETWORK INFRASTRUCTURE FOR ALLO TECHNOLOGY SDN BHD POP 2 PROJECT (D-SIDE) - PMU BSRI FOR ABC3056 SEKOLAH KEBANGSAAN JENIS (CINA) ALOR PONGSU



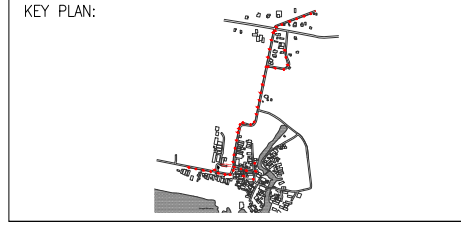
2.0 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Perbandaran Teluk Intan	1,686m
2	JKR Road	20m



	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:

MAIN CONTRACTOR:

PRIVASATI

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:

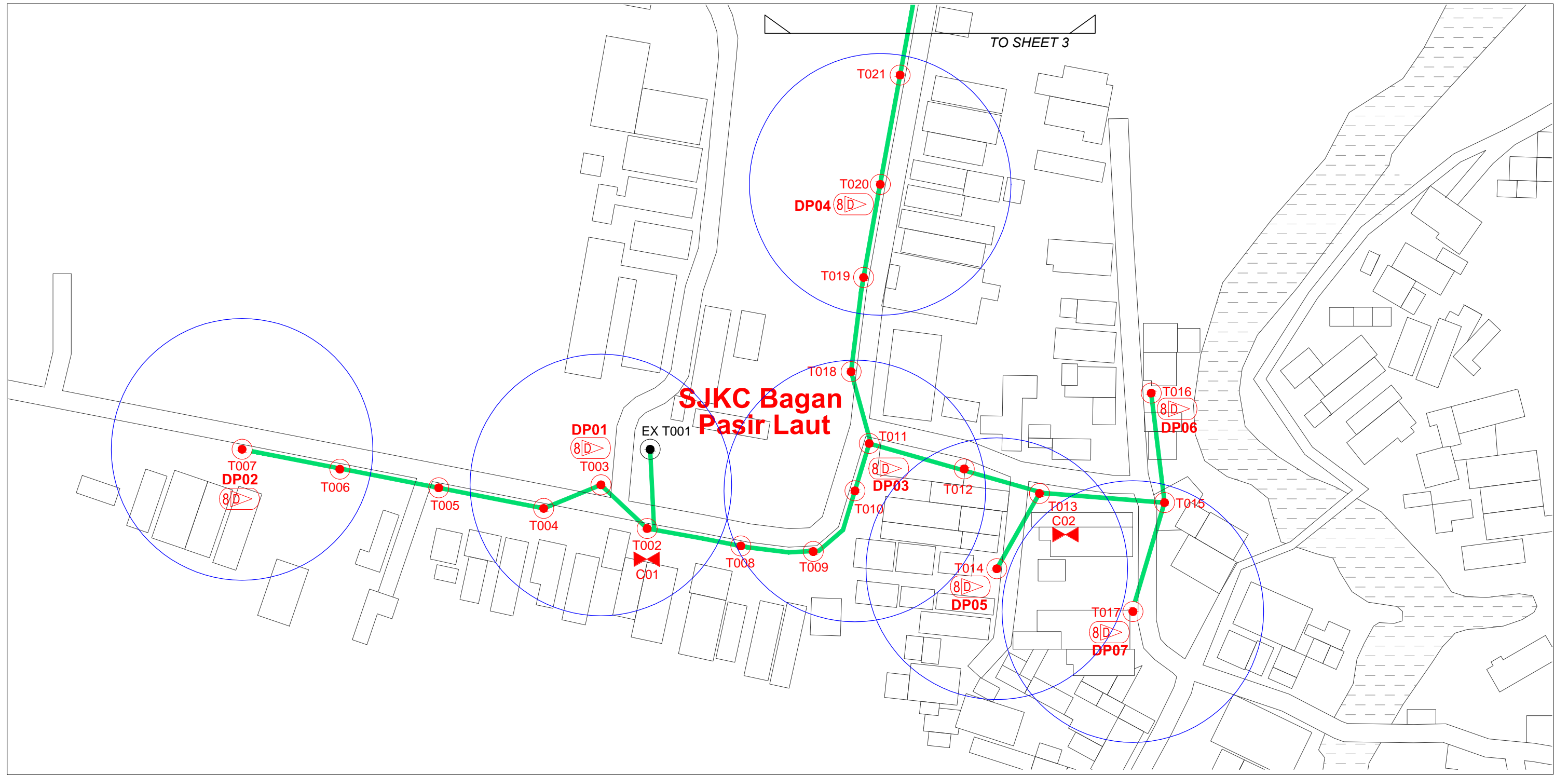
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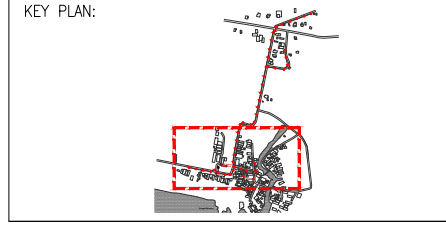
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	12C FOC	Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-trenching (Meter)		MH NO.
	24C FOC	Installed Patch Cord		Installed Pole (7.5M)		Tension		New Manhole(JRC7)		Temporary Infra (Meter)		Existing TNB 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.

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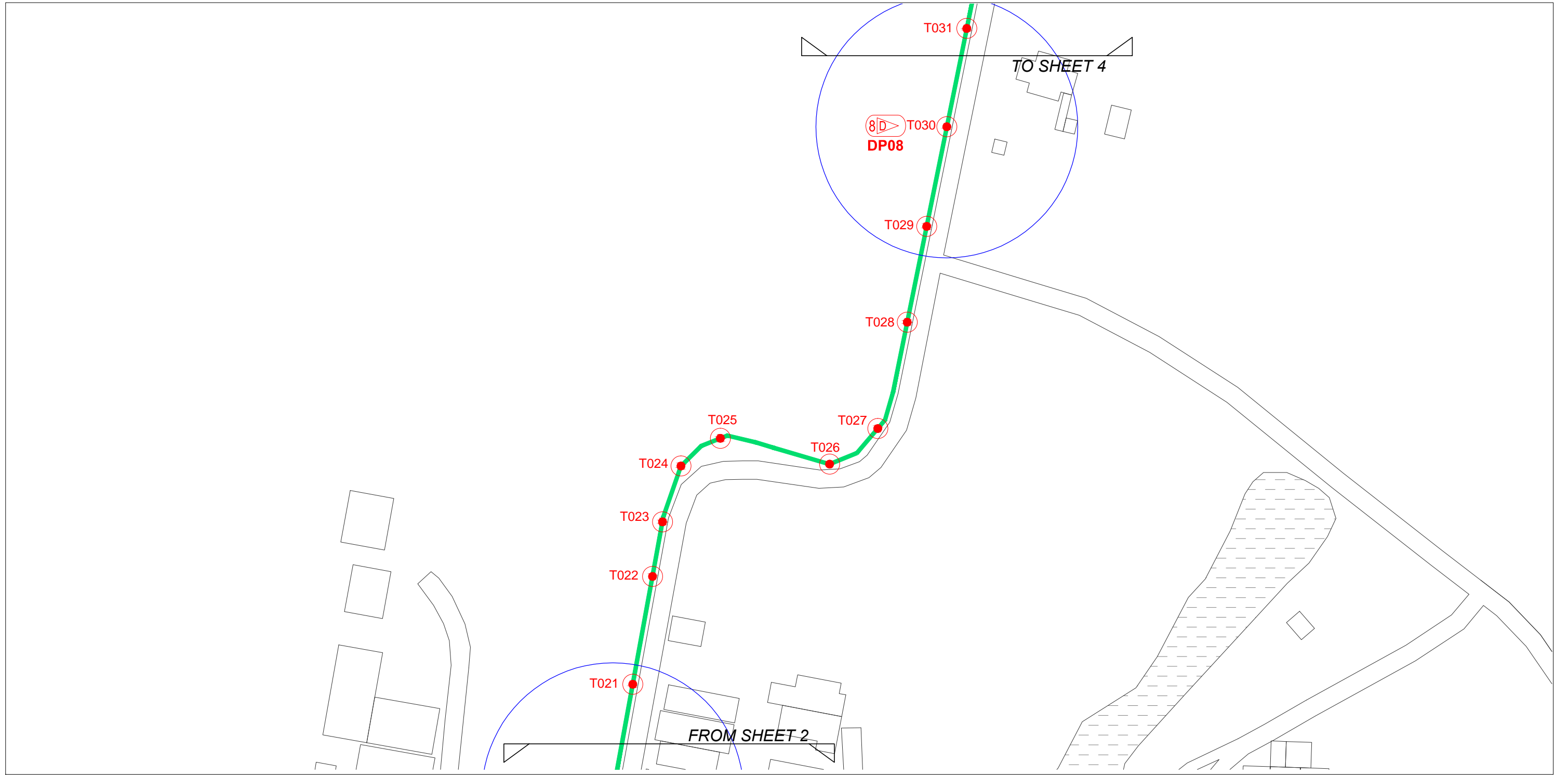


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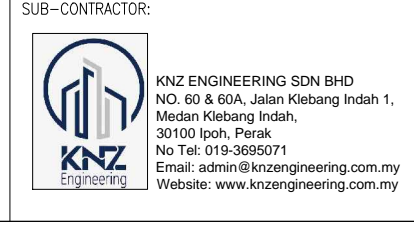
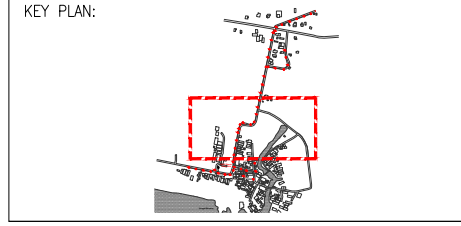
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	12C FOC	Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH NO.
	24C FOC	Installed Patch Cord		Installed Pole (7.5M)		Tension		New Manhole(JRC7)		Temporary Infra (Meter)		Existing TNB Pole NO.
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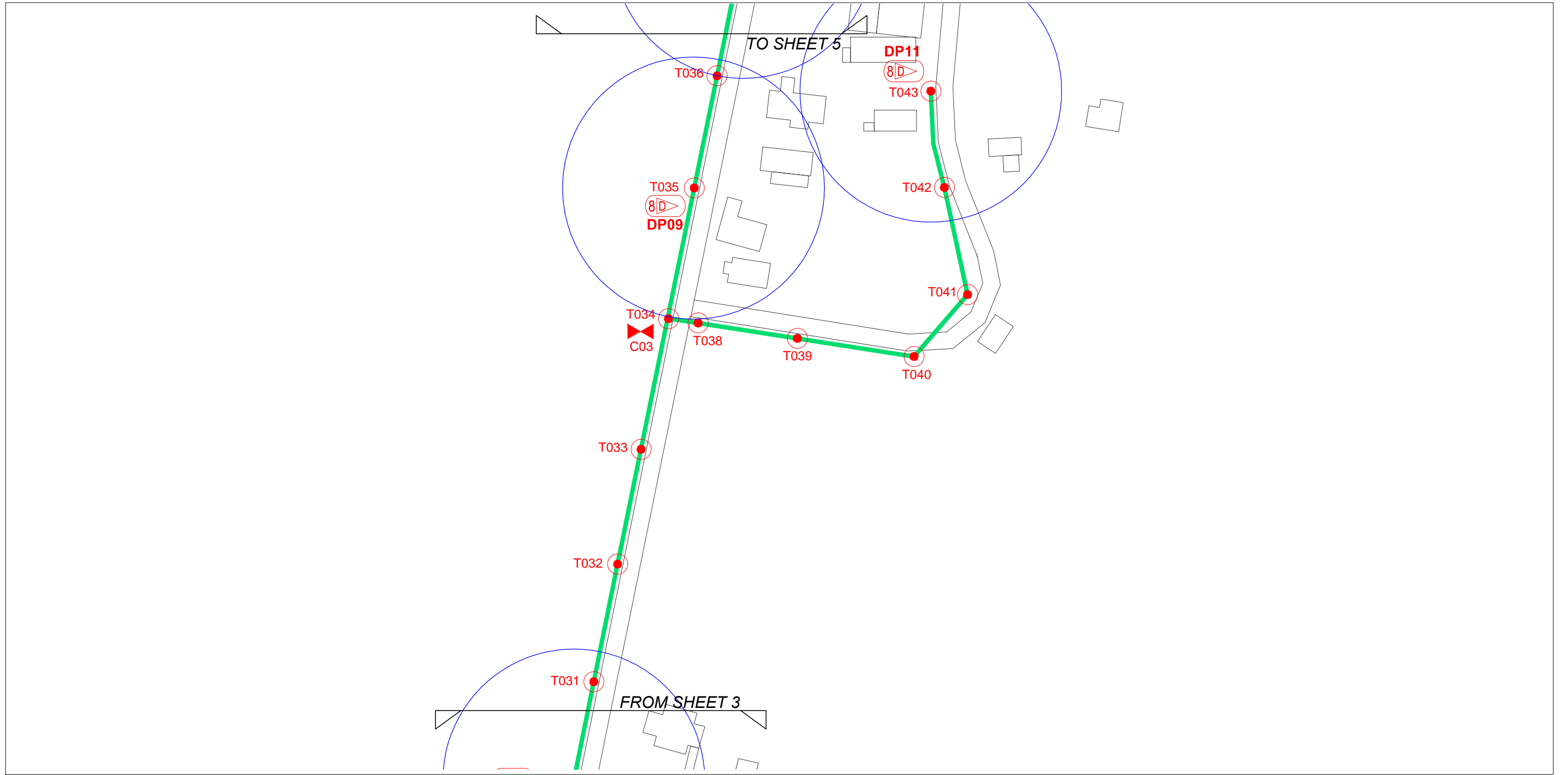


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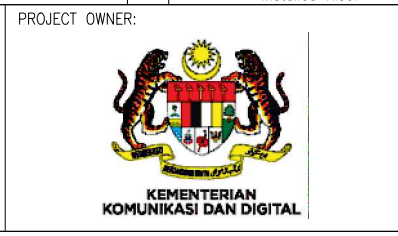
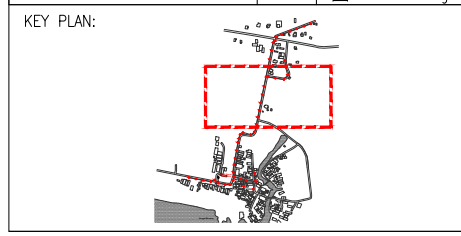
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	12C FOC	Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		New Manhole (PIT)		Micro-Trenching (Meter)		MH NO.
	24C FOC	Installed Patch Cord		Installed Pole (7.5M)		Tension		New Manhole(JRC7)		Temporary Infra (Meter)		Existing TNB Pole NO.
	48C FOC	FDC		Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		New Pole NO.
	96C FOC			Existing TNB Pole		FDP with (1:8) splitter		HDD (Meter)		Active Outdoor Cabinet		Closure NO.
	144C FOC			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,
 Medan Klebang Indah,
 30100 Ipo, Perak
 No Tel: 019-3695071
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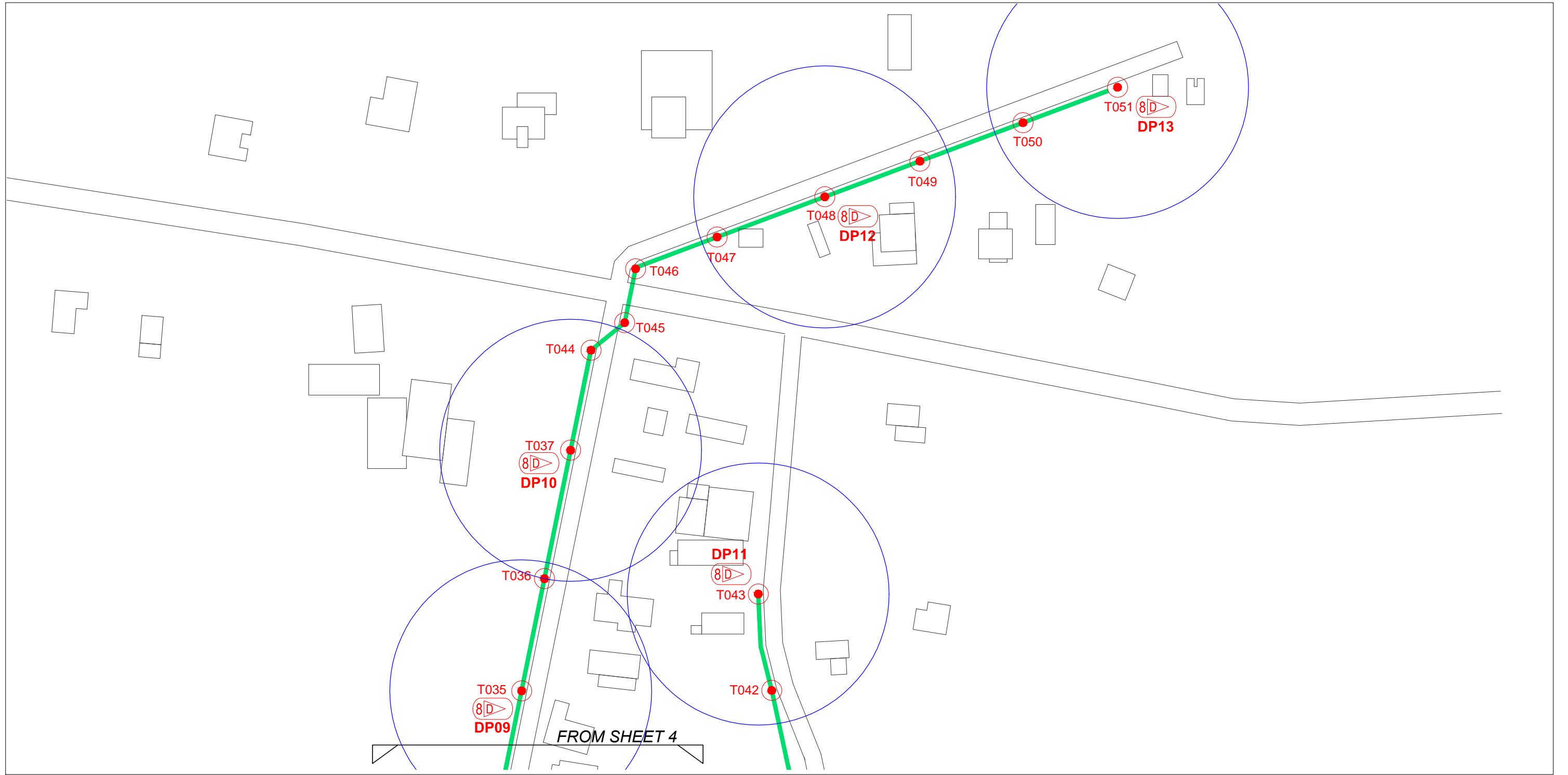
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	24C FOC		Installed Patch Cord		Installed Pole (7.5M)		Tension		New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1 Existing TNB Pole NO.
	48C FOC		FDC		Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001 New Pole NO.
	96C FOC		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:

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SUB-CONTRACTOR:

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