

TECHNICAL PROPOSAL

POP2 ABA6047 SK BUKIT BERTAM (D-SIDE)

Company Name : KAZAKON SDN BHD
Company Address : NO11, JALAN TTDI GROVE 7/1, TAMAN TTDI GROVE, 43000, KAJANG
Prepared By : ISHAK BIN MAT
Date : 27/08/2024



Starting Point

Site / Boundary Name : RANTAU PANJANG
Address : KAMPUNG BUKIT BERTAM
Perak District : RANTAU PANJANG
Postcode : 34140
State : Perak
GPS Coordinate : 5.316305, 100.746795
LRD : A

End Point

Site / Boundary Name : KULIM
Address : SIMPANG WAJA, KAMPUNG LOBAK MAHANG
District : KULIM
Postcode : 09700
State : KEDAH
GPS Coordinate : 5.317547, 100.737840
LRD : B



SUPPLY, INSTALLATION AND COMMISSIONING OF FTTX NETWORK INFRASTRUCTURE FOR ALLO TECHNOLOGY SDN BHD POP 2 PROJECT (D-SIDE) - PMU KMTG FOR ABA6047 – SEKOLAH KEBANGSAAN BUKIT BERTAM



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	3712
2	Install New Pole	ea	129
3	Install New JRC7 Manhole	ea	0
4	Install GI Riser 100mm	ea	0
5	Install Fiber Distribution Point and Closure (Splicing, Termination and Testing)	ea	15
6	Estimated Time Required for Completion	days	30



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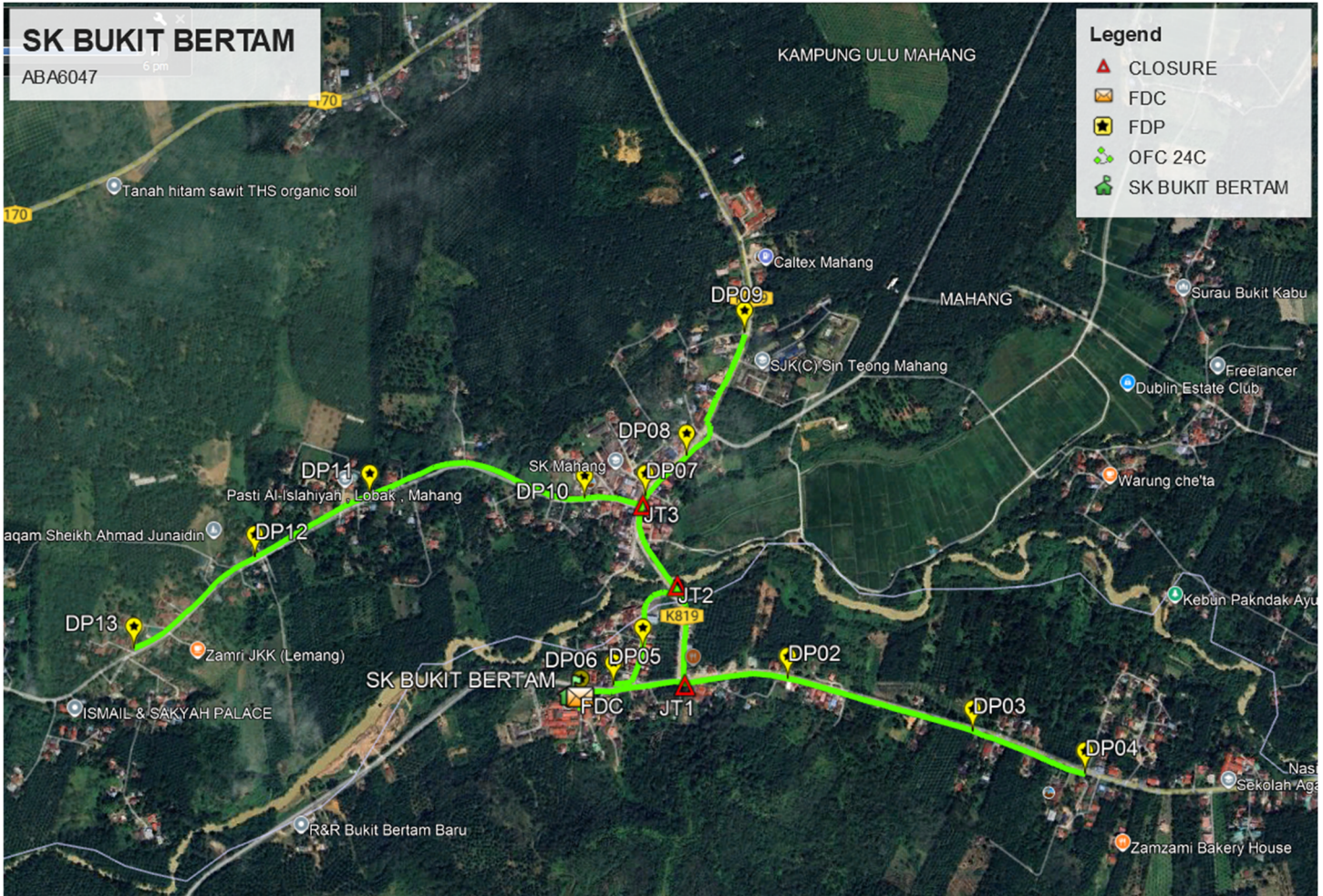


2.0 LOCAL AUTHORITY SUMMARY

JKR HULU PERAK

NO	ITEMS	Owner	Quantity	Distance (m)
1	HDD	JKR	-	-
		Majlis	-	-
		Pejabat Daerah & Tanah	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	129	3,870m
		Majlis	-	-
		Pejabat Daerah & Tanah	-	-
		Estate / Private Land	-	-
Total Distance (m)				3,870m

3.2 Site Plan - KMZ Routing (All Local Authority)



Green Colour – JKR Hulu Perak

4 PROPOSED NEW MANHOLE

Proposed New Manhole Coordinate					
No.	Manhole Number	Distance (m)	Latitude	Longitude	Local Authority
1	-	-	-	-	-
2	-	-	-	-	-

5 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T001	10	5.316307	100.746786	JKR HULU PERAK
2	T002	20	5.316482	100.746812	JKR HULU PERAK
3	T003	25	5.316688	100.746834	JKR HULU PERAK
4	T004	14	5.316679	100.746959	JKR HULU PERAK
5	T005	15	5.316681	100.747091	JKR HULU PERAK
6	T006	16	5.316674	100.747226	JKR HULU PERAK
7	T007	21	5.316672	100.747418	JKR HULU PERAK
8	T008	22	5.316722	100.747599	JKR HULU PERAK
9	T009	22	5.316759	100.747799	JKR HULU PERAK
10	T010	35	5.316786	100.748116	JKR HULU PERAK
11	T011	27	5.316827	100.748349	JKR HULU PERAK
12	T012	27	5.316857	100.748590	JKR HULU PERAK
13	T013	15	5.316877	100.748720	JKR HULU PERAK
14	T014	22	5.316841	100.748895	JKR HULU PERAK
15	T015	32	5.316886	100.749170	JKR HULU PERAK
16	T016	38	5.316933	100.749518	JKR HULU PERAK
17	T017	43	5.316989	100.749887	JKR HULU PERAK
18	T018	36	5.317026	100.750243	JKR HULU PERAK
19	T019	42	5.317003	100.750592	JKR HULU PERAK
20	T020	40	5.316921	100.750948	JKR HULU PERAK
21	T021	38	5.316828	100.751308	JKR HULU PERAK
22	T022	43	5.316737	100.751657	JKR HULU PERAK
23	T023	43	5.316621	100.752014	JKR HULU PERAK
24	T024	29	5.316537	100.752287	JKR HULU PERAK
25	T025	29	5.316457	100.752522	JKR HULU PERAK
26	T026	28	5.316402	100.752759	JKR HULU PERAK
27	T027	27	5.316327	100.752998	JKR HULU PERAK
28	T028	33	5.316253	100.753268	JKR HULU PERAK
29	T029	29	5.316186	100.753511	JKR HULU PERAK
30	T030	25	5.316121	100.753741	JKR HULU PERAK



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Proposed New Pole Coordinate

No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
31	T031	30	5.316057	100.753987	JKR HULU PERAK
32	T032	25	5.315990	100.754204	JKR HULU PERAK
33	T033	25	5.315937	100.754417	JKR HULU PERAK
34	T034	26	5.315868	100.754629	JKR HULU PERAK
35	T035	23	5.315801	100.754860	JKR HULU PERAK
36	T036	26	5.315734	100.755064	JKR HULU PERAK
37	T037	24	5.315649	100.755263	JKR HULU PERAK
38	T038	25	5.315575	100.755463	JKR HULU PERAK
39	T039	27	5.315485	100.755693	JKR HULU PERAK
40	T040	25	5.315399	100.755906	JKR HULU PERAK
41	T041	28	5.315310	100.756105	JKR HULU PERAK
42	T042	19	5.315227	100.756300	JKR HULU PERAK
43	T043	29	5.315139	100.756512	JKR HULU PERAK
44	T044	39	5.315038	100.756862	JKR HULU PERAK
45	T045	17	5.316989	100.748860	JKR HULU PERAK
46	T046	35	5.317313	100.748867	JKR HULU PERAK
47	T047	34	5.317625	100.748879	JKR HULU PERAK
48	T048	26	5.317854	100.748901	JKR HULU PERAK
49	T049	32	5.318145	100.748901	JKR HULU PERAK
50	T050	30	5.318387	100.748906	JKR HULU PERAK
51	T051	20	5.318554	100.748807	JKR HULU PERAK
52	T052	24	5.318755	100.748688	JKR HULU PERAK
53	T053	30	5.318968	100.748534	JKR HULU PERAK
54	T054	28	5.319161	100.748395	JKR HULU PERAK
55	T055	23	5.319323	100.748269	JKR HULU PERAK
56	T056	22	5.319482	100.748166	JKR HULU PERAK
57	T057	22	5.319664	100.748070	JKR HULU PERAK
58	T058	17	5.319803	100.748017	JKR HULU PERAK
59	T059	23	5.319994	100.747962	JKR HULU PERAK
60	T060	24	5.320205	100.747985	JKR HULU PERAK
61	T061	24	5.320408	100.748014	JKR HULU PERAK
62	T062	18	5.320571	100.748100	JKR HULU PERAK
63	T063	21	5.320710	100.748216	JKR HULU PERAK
64	T064	25	5.320873	100.748359	JKR HULU PERAK
65	T065	28	5.321044	100.748562	JKR HULU PERAK
66	T066	33	5.321224	100.748756	JKR HULU PERAK
67	T067	24	5.321379	100.748930	JKR HULU PERAK
68	T068	24	5.321522	100.749078	JKR HULU PERAK
69	T069	25	5.321654	100.749259	JKR HULU PERAK
70	T070	21	5.321787	100.749387	JKR HULU PERAK
71	T071	25	5.322003	100.749397	JKR HULU PERAK
72	T072	15	5.322078	100.749315	JKR HULU PERAK



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Proposed New Pole Coordinate

No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
73	T073	22	5.322230	100.749388	JKR HULU PERAK
74	T074	32	5.322516	100.749508	JKR HULU PERAK
75	T075	46	5.322848	100.749699	JKR HULU PERAK
76	T076	36	5.323182	100.749847	JKR HULU PERAK
77	T077	41	5.323498	100.749997	JKR HULU PERAK
78	T078	37	5.323826	100.750093	JKR HULU PERAK
79	T079	17	5.318622	100.748657	JKR HULU PERAK
80	T080	25	5.318666	100.748442	JKR HULU PERAK
81	T081	24	5.318589	100.748238	JKR HULU PERAK
82	T082	25	5.318430	100.748106	JKR HULU PERAK
83	T083	15	5.318313	100.748071	JKR HULU PERAK
84	T084	28	5.318045	100.748074	JKR HULU PERAK
85	T085	57	5.317516	100.748038	JKR HULU PERAK
86	T086	38	5.317188	100.747949	JKR HULU PERAK
87	T087	41	5.316861	100.747822	JKR HULU PERAK
88	T088	21	5.316835	100.747648	JKR HULU PERAK
89	T089	21	5.316810	100.747450	JKR HULU PERAK
90	T090	30	5.320467	100.747757	JKR HULU PERAK
91	T091	27	5.320536	100.747529	JKR HULU PERAK
92	T092	26	5.320551	100.747315	JKR HULU PERAK
93	T093	20	5.320559	100.747137	JKR HULU PERAK
94	T094	29	5.320531	100.746868	JKR HULU PERAK
95	T095	42	5.320517	100.746520	JKR HULU PERAK
96	T096	39	5.320594	100.746174	JKR HULU PERAK
97	T097	23	5.320672	100.745973	JKR HULU PERAK
98	T098	36	5.320792	100.745686	JKR HULU PERAK
99	T099	29	5.320892	100.745458	JKR HULU PERAK
100	T100	22	5.320987	100.745283	JKR HULU PERAK
101	T101	28	5.321093	100.745052	JKR HULU PERAK
102	T102	26	5.321166	100.744837	JKR HULU PERAK
103	T103	40	5.321239	100.744482	JKR HULU PERAK
104	T104	40	5.321199	100.744121	JKR HULU PERAK
105	T105	32	5.321096	100.743850	JKR HULU PERAK
106	T106	33	5.320990	100.743596	JKR HULU PERAK
107	T106	36	5.320855	100.743304	JKR HULU PERAK
108	T108	36	5.320753	100.742997	JKR HULU PERAK
109	T109	29	5.320662	100.742764	JKR HULU PERAK
110	T110	26	5.320563	100.742554	JKR HULU PERAK
111	T111	32	5.320456	100.742293	JKR HULU PERAK
112	T112	43	5.320291	100.741930	JKR HULU PERAK
113	T113	38	5.320137	100.741634	JKR HULU PERAK
114	T114	30	5.319999	100.741405	JKR HULU PERAK



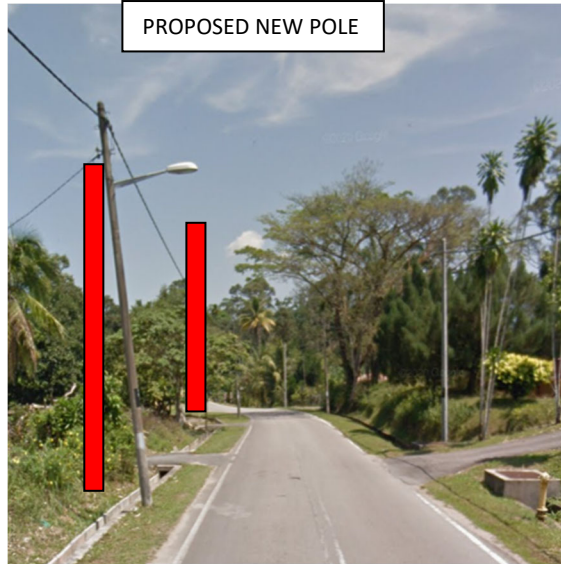
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Proposed New Pole Coordinate

No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
115	T115	37	5.319843	100.741114	JKR HULU PERAK
116	T116	29	5.319717	100.740887	JKR HULU PERAK
117	T117	26	5.319592	100.740681	JKR HULU PERAK
118	T118	24	5.319477	100.740492	JKR HULU PERAK
119	T119	32	5.319348	100.740246	JKR HULU PERAK
120	T120	36	5.319198	100.739955	JKR HULU PERAK
121	T121	36	5.319023	100.739685	JKR HULU PERAK
122	T122	25	5.318883	100.739514	JKR HULU PERAK
123	T123	30	5.318690	100.739337	JKR HULU PERAK
124	T124	33	5.318490	100.739145	JKR HULU PERAK
125	T125	37	5.318265	100.738889	JKR HULU PERAK
126	T126	34	5.318038	100.738685	JKR HULU PERAK
127	T127	34	5.317827	100.738437	JKR HULU PERAK
128	T128	35	5.317659	100.738164	JKR HULU PERAK
129	T129	39	5.317527	100.737861	JKR HULU PERAK

6 SITE PHOTOS - PROPOSED NEW POLE



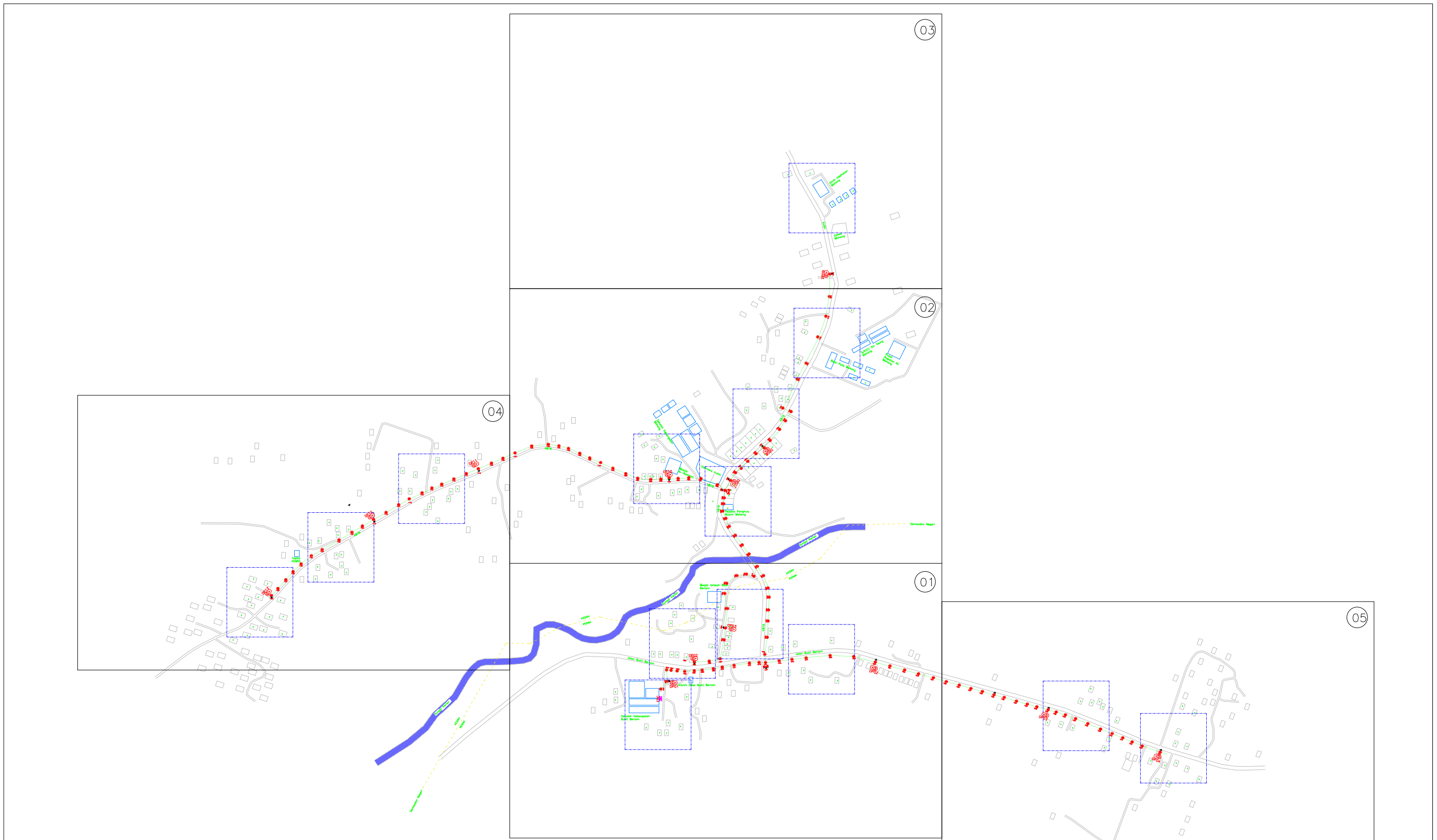


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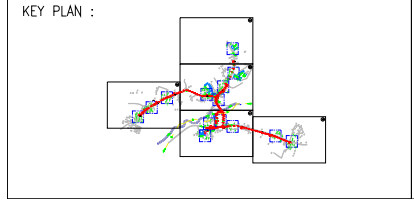


7 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	JKR HULU PERAK	3712 m



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big		MH NO.
	24C FOC		Installed Riser		House Number		Existing Manhole		Existing TNB Pole NO.
	48C FOC		Suspension Big		Existing TNB Pole		Closure NO.		New Pole NO.
	96C FOC		Suspension Small		LOOP		FDP NO.		SEE A-A in this page
	144C FOC		FDC		FDP Boundary		FDC NO.		SEE SHEET XXX
			Installed Pole (7.5M)						
			FDP with (1:8) splitter						
			Closure						
			New Manhole (PIT)						

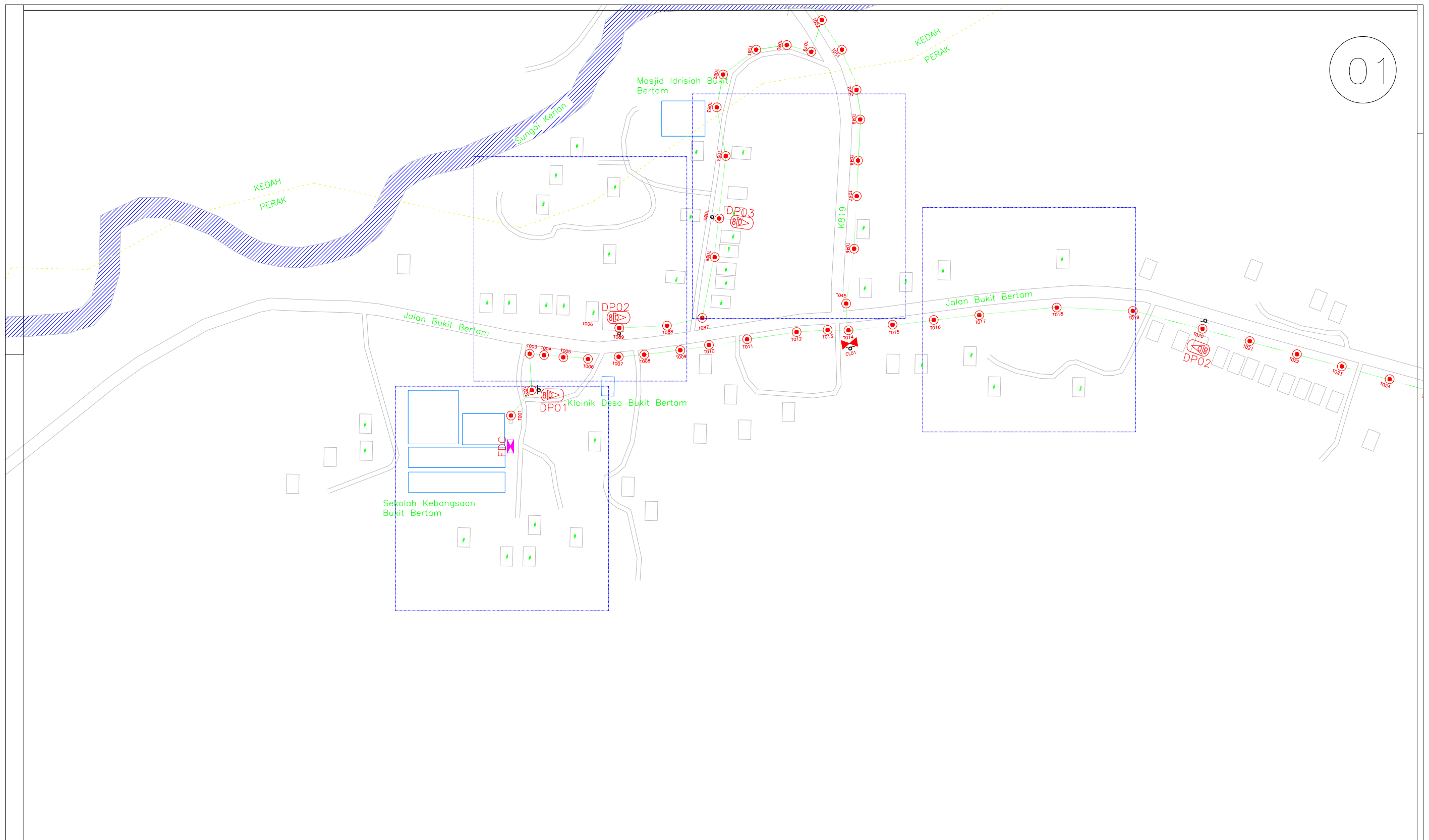


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 ABA6047 SK BUKIT BERTAM
 POINT OF PRESENCE 2 (POP2)

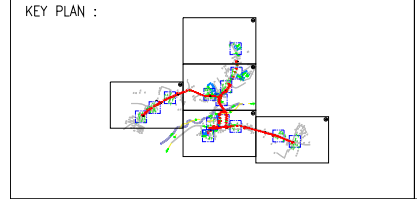
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PROJECT PHASE:
 PLANNING

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LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 splitter in FDC	Installed Pole (9m)	CT7	New Manhole(JRC7)	TS / TB	Tension Small / Tension Big	MH1	MH NO.
24C FOC	FDP with (1:8) splitter	Installed Riser	#	House Number	Existing Manhole	TKS-1	Existing TNB Pole NO.	
48C FOC	Closure	Suspension Big	SB	Existing TNB Pole	CD1	Closure NO.	P001	New Pole NO.
96C FOC	New Manhole (PIT)	Suspension Small	SS	LOOP	FDP1	FDP NO.	(A) SEE A-A in this page	(A)
144C FOC	Installed Pole (7.5M)	FDC	⊠	FDP Boundary	FDC	FDC NO.	(A) SEE SHEET XXX	(A)



PROJECT OWNER :

MAIN CONTRACTOR

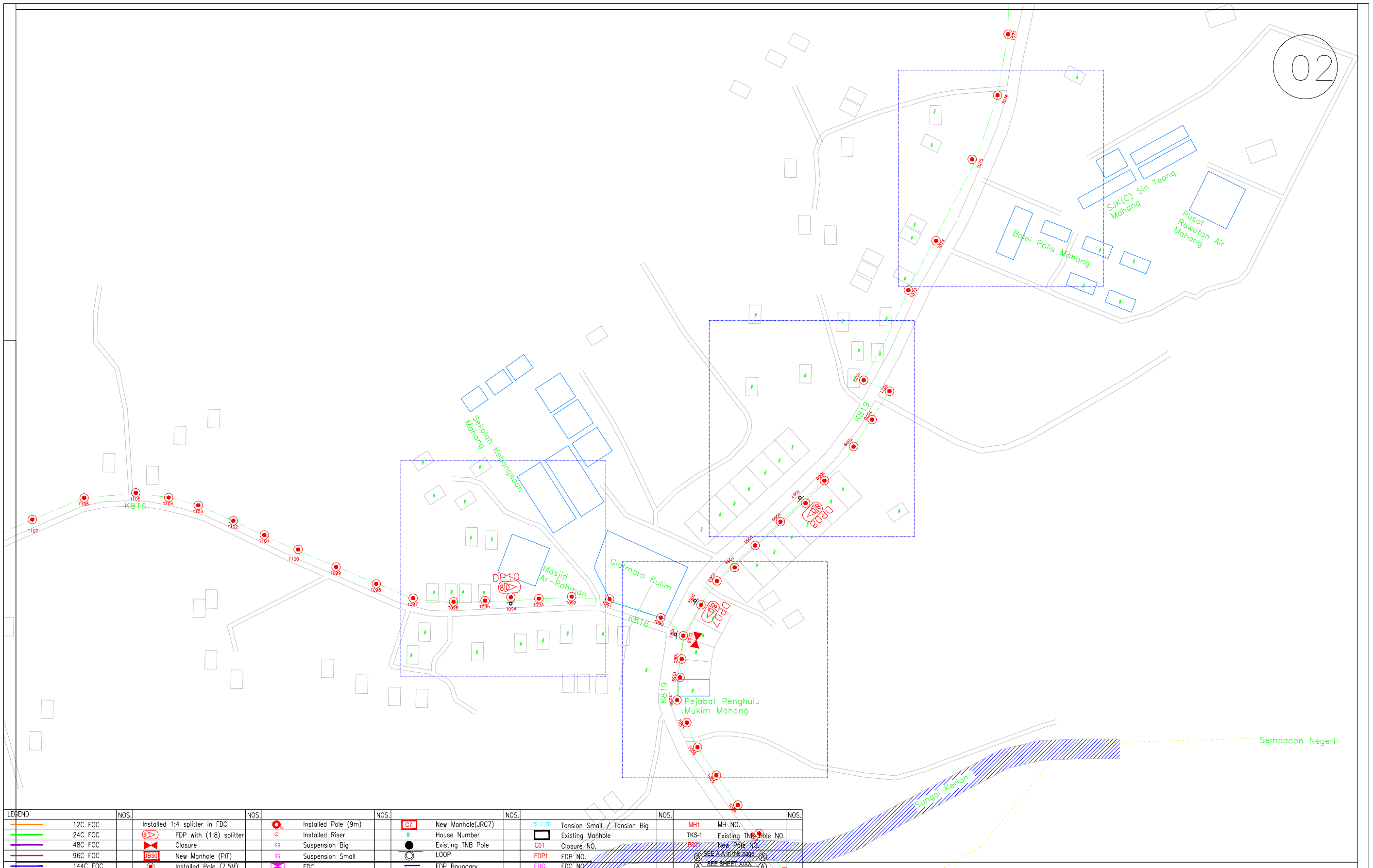
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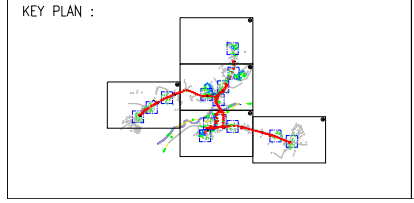
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LEGEND	NOS.		NOS.		NOS.		NOS.		NOS.	
	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		TS / TB	Tension Small / Tension Big		MH NO.
	24C FOC		FDP with (1:8) splitter		Installed Riser			Existing Manhole		Existing TNB Pole NO.
	48C FOC		Closure		Suspension Big			Existing TNB Pole		New Pole NO.
	96C FOC		New Manhole (PIT)		Suspension Small			FDP NO.		SEE A-A IN THIS PAGE
	144C FOC		Installed Pole (7.5M)		FDC			FDC NO.		SEE SHEET XXX
			FDP Boundary							



PROJECT OWNER :

MAIN CONTRACTOR

SUB-CONTRACTOR :

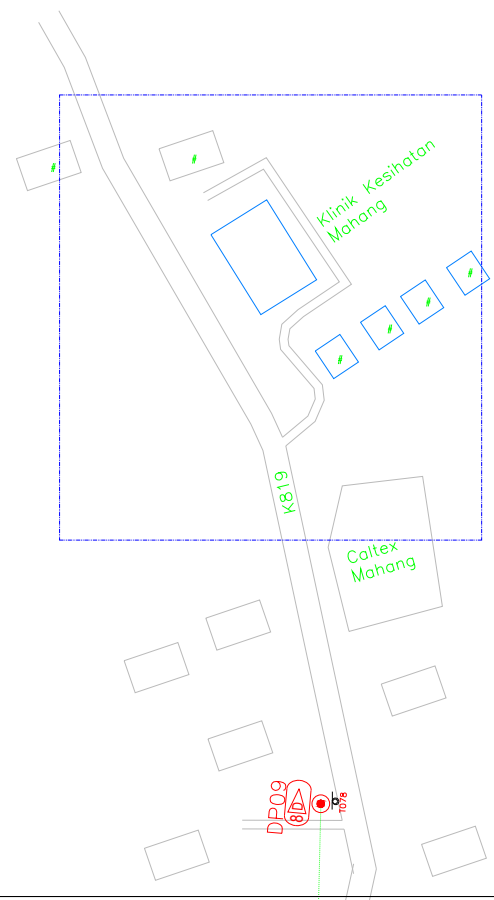
ALLO TECHNOLOGY SDN BHD
CYBERVIEW GARDEN VILLAS
PERSARAN MULTIMEDIA, CYBER 7
43000 CYBERJAYA, SELANGOR DARUL EHSAN.
TEL: 1 300-38-8000
FAX: (60) 3 8800 5221
E-MAIL : info@allo.my
WEBSITE: HTTP://WWW.ALLO.MY

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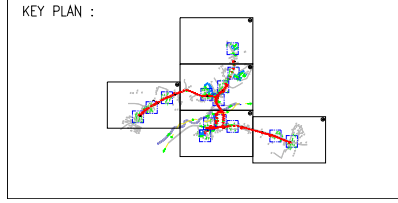
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LEGEND	NOS.		NOS.		NOS.		NOS.		NOS.		NOS.					
12C FOC		Installed 1:4 splitter in FDC		Installed Pole (9m)		LC7		New Manhole(JRC7)		TS / TB		Tension Small / Tension Big		MH1		MH NO.
24C FOC		FDP with (1:8) splitter		Installed Riser		#		House Number		TKS-1		Existing Manhole		TKS-1		Existing TNB Pole NO.
48C FOC		Closure		Suspension Big		SB		Suspension Big		CD1		Closure NO.		P001		New Pole NO.
96C FOC		New Manhole (PIT)		Suspension Small		SS		Suspension Small		FDP1		FDP NO.		(A)		SEE A-A in this page
144C FOC		Installed Pole (7.5M)		FDC		FB		FDC		FDC		FDC NO.		(A)		SEE SHEET XXX

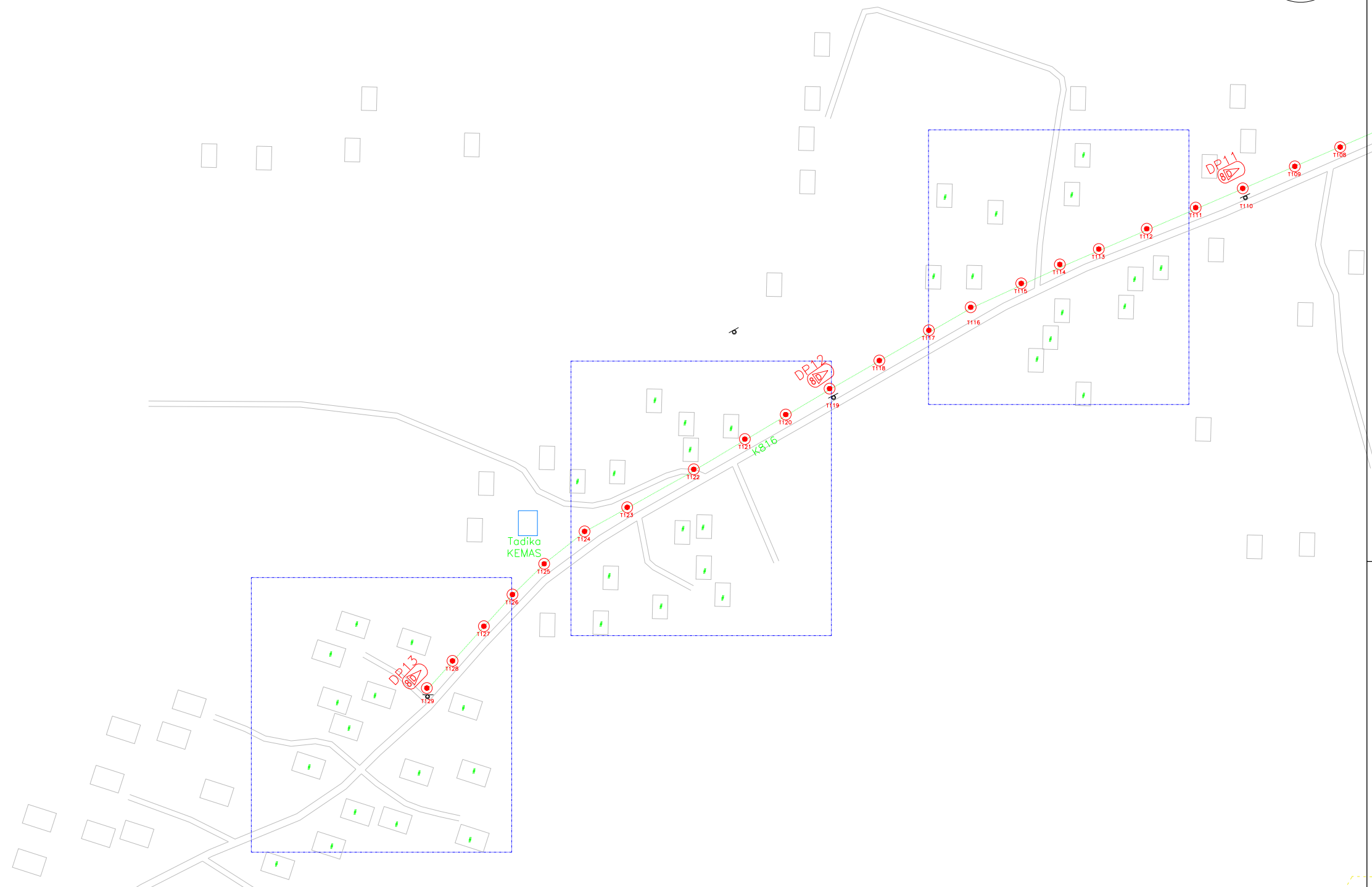


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 POINT OF PRESENCE 2 (POP2)

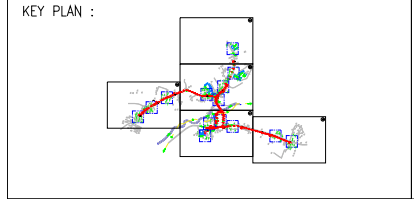
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LEGEND	NOS.		NOS.		NOS.		NOS.		NOS.		NOS.	
	12C FOC		Installed Pole (9m)		C7	New Manhole(JRC7)		TS / TB	Tension Small / Tension Big		MH1	MH NO.
	24C FOC		FDP with (1:8) splitter		R	Installed Riser		H	House Number		TKS-1	Existing TNB Pole NO.
	48C FOC		Closure		SB	Suspension Big		LO	Existing TNB Pole		P001	New Pole NO.
	96C FOC		New Manhole (PIT)		SS	Suspension Small		L	LOOP		A	SEE A-A in this page
	144C FOC		Installed Pole (7.5M)		FDC	FDC		FDP	FDP Boundary		A	SEE SHEET XXX



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POINT OF PRESENCE 2 (POP2)

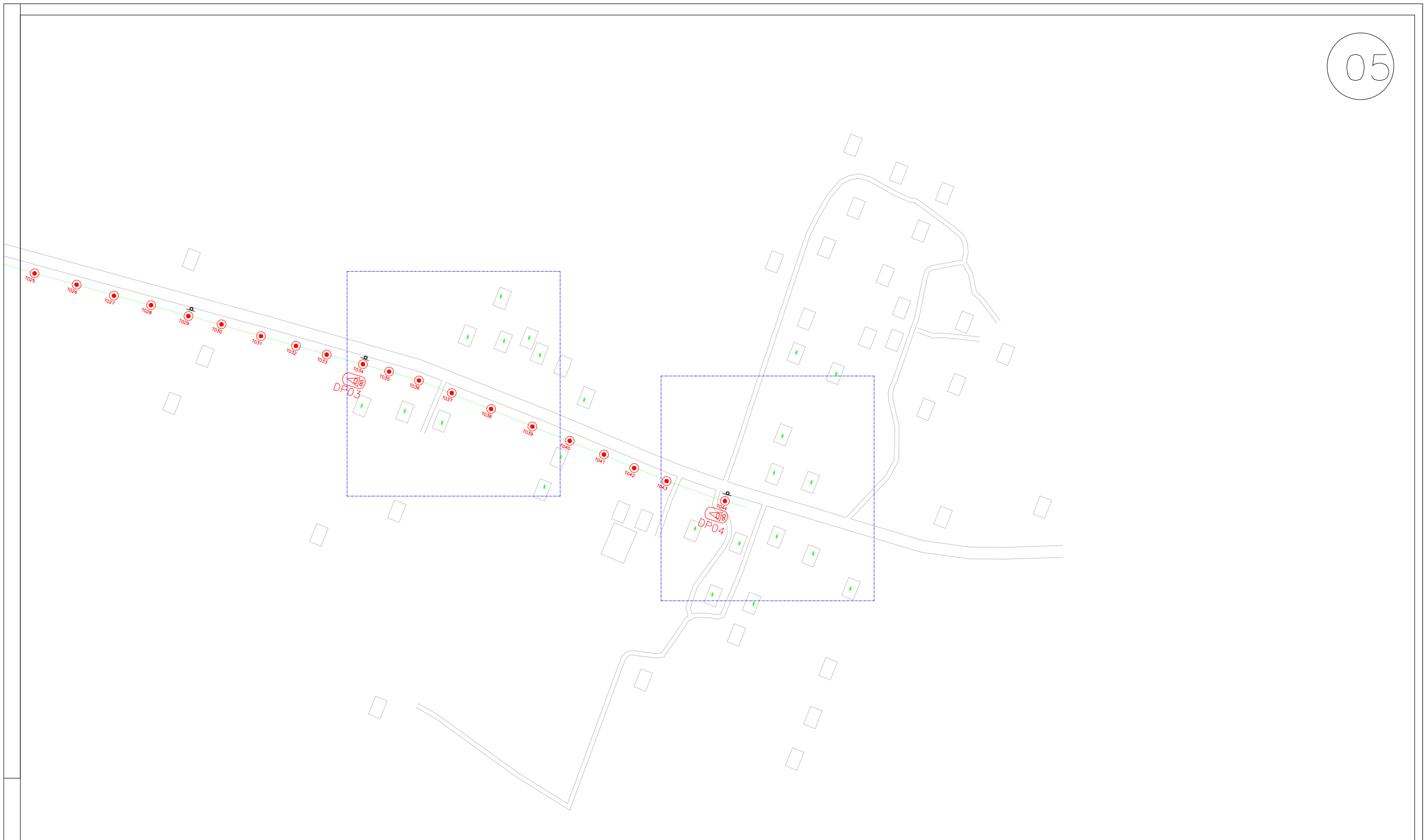
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LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.		
12C FOC	Installed 1:4 splitter in FDC	Installed Pole (9m)	LC7	New Manhole(JRC7)	TS / TB	Tension Small / Tension Big	MH1	MH NO.	
24C FOC	FDP with (1:8) splitter	Installed Riser	#	House Number	Existing Manhole	TKS-1	Existing TNB Pole NO.		
48C FOC	Closure	Suspension Big	SB	Suspension Big	Existing TNB Pole	CD1	Closure NO.	P001	New Pole NO.
96C FOC	New Manhole (PIT)	Suspension Small	SS	Suspension Small	LOOP	FDP1	FDP NO.	(A)	SEE A-A in this page
144C FOC	Installed Pole (7.5M)	FDC	PS	FDC	FDP-Boundary	FDC	FDC NO.	(A)	SEE SHEET X/XX

KEY PLAN :

PROJECT OWNER :

MAIN CONTRACTOR

SUB-CONTRACTOR :

PROJECT TITLE:

ABA6047 SK BUKIT BERTAM
POINT OF PRESENCE 2 (POP2)

DRAWING TITLE:

CONSTRUCTION DRAWING

PROJECT PHASE:

PLANNING

Design By : ISHAK	Date : 27/8/2024
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