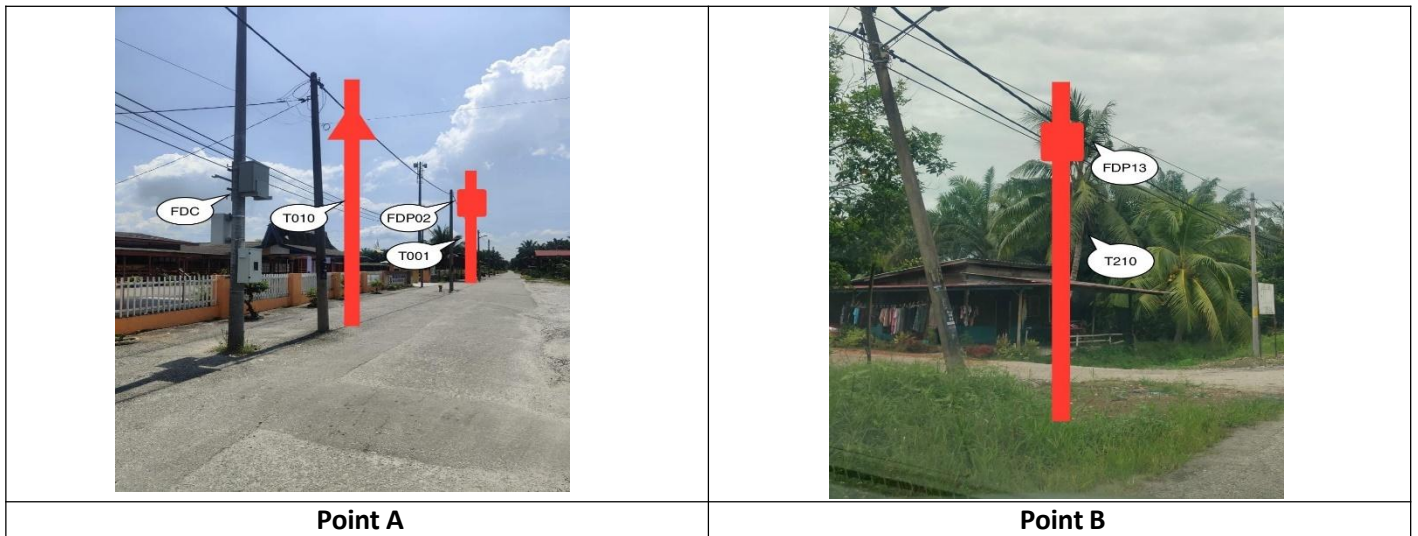


## TECHNICAL PROPOSAL

### POP2 ABAB016 SEKOLAH KEBANGSAAN SUNGAI SAMAK (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** : FARHAH AFIQAH BINTI AMDON  
**Date** : 30/11/2024



#### Starting Point

Site / Boundary Name : Hutan Melintang  
 Address : SK Sungai Samak, Kampung Sungai Samak, 36400 Hutan Melintang  
 District : Hilir Perak  
 Postcode : 36400  
 State : Perak  
 GPS Coordinate : 3.785900, 101.087478  
 LRD : A

#### End Point

Site / Boundary Name : Hutan Melintang  
 Address : Jalan Sungai Manila, Kampung Sungai Manila, 36400 Hutan Melintang  
 District : Hilir Perak  
 Postcode : 36400  
 State : Perak  
 GPS Coordinate : 3.779331399, 101.1025805  
 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 (KKMM.400-11/17/132(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	9,190M
2	Install New Pole	ea	210
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	6
7	Estimated Time Required for Completion	days	30

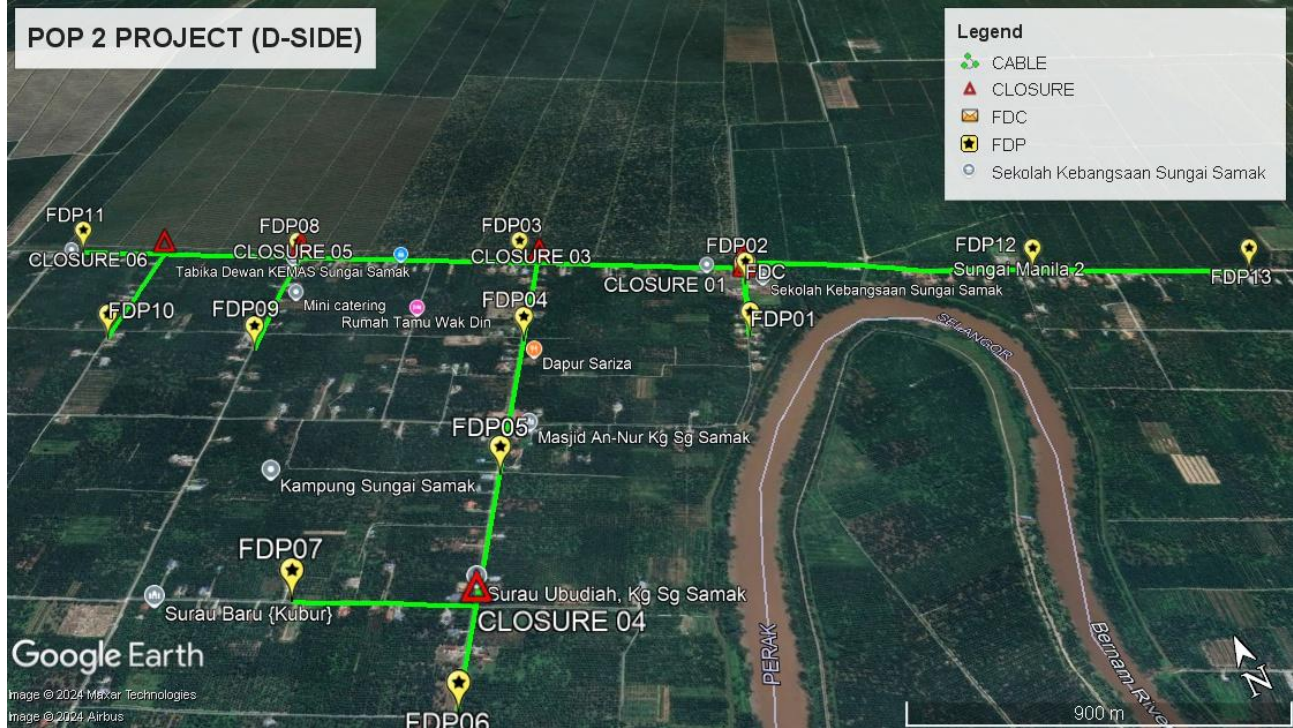
## 2.0 LOCAL AUTHORITY SUMMARY

### Daerah Hilir Perak

Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	112	4,295m
		Majlis	99	3,836m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				8,131m

Site Plan -KMZ (Overview site area)

Proposed FDP and Closure



Proposed New Pole



**Site Plan - KMZ Routing (All Local Authority)**

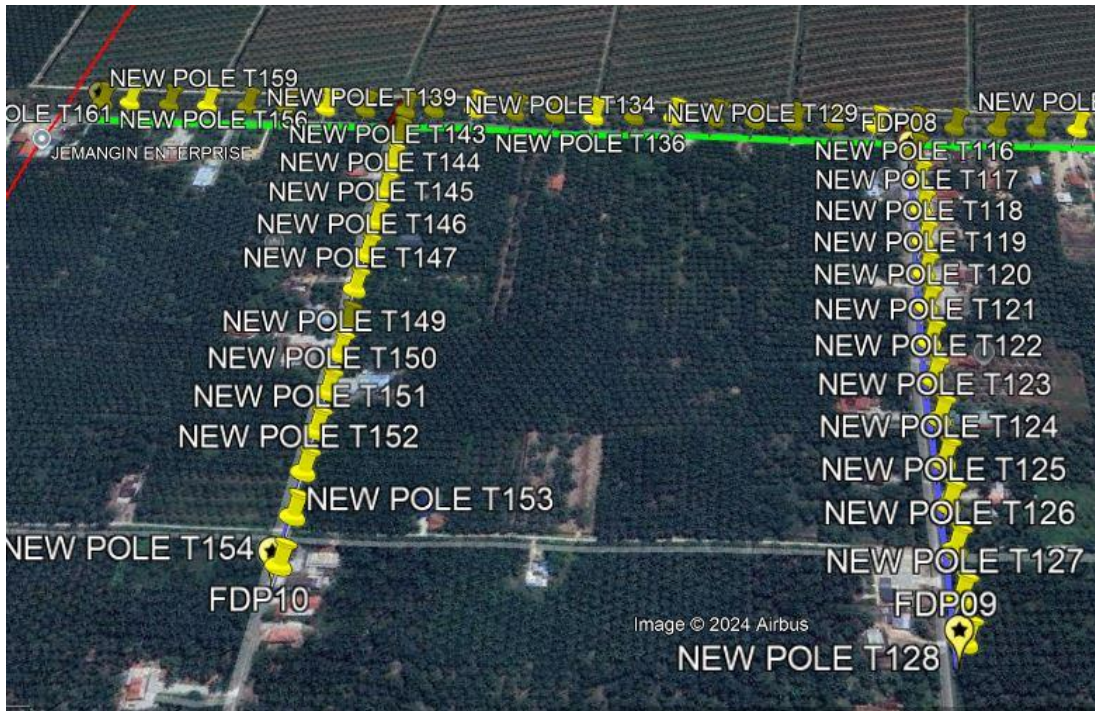
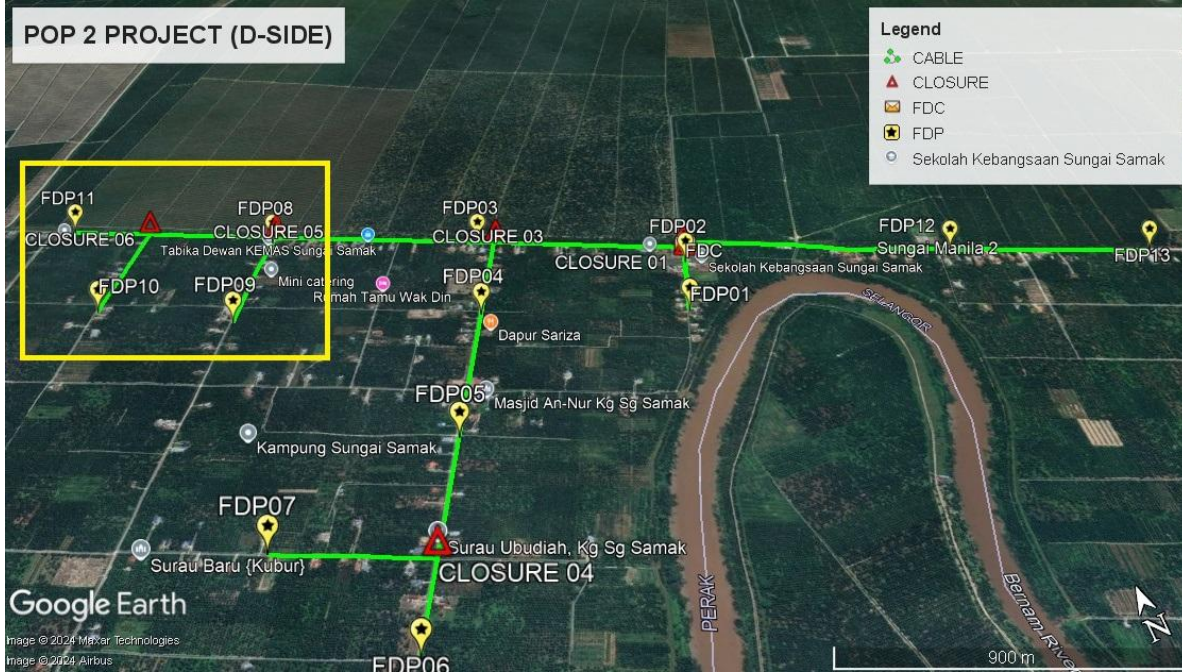


**Red Colour – JKR Road**

**Blue Colour - Majlis Road**

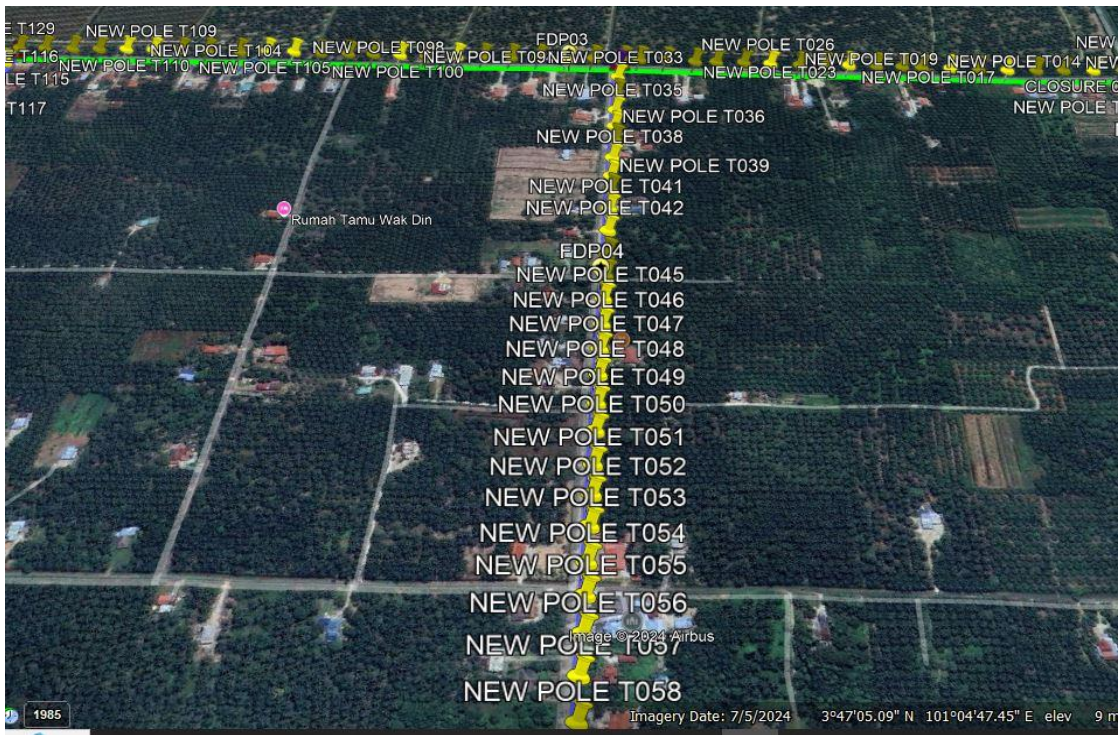
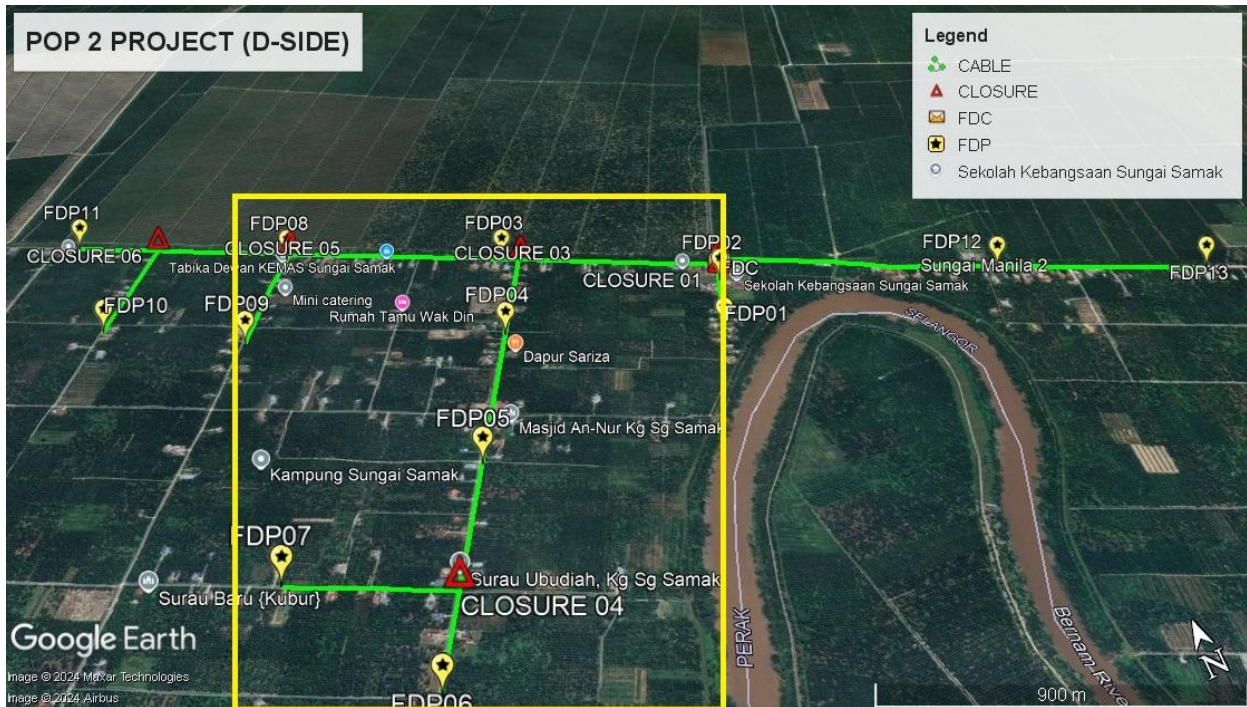
Site Plan – KMZ Routing (All site area)

Route 1

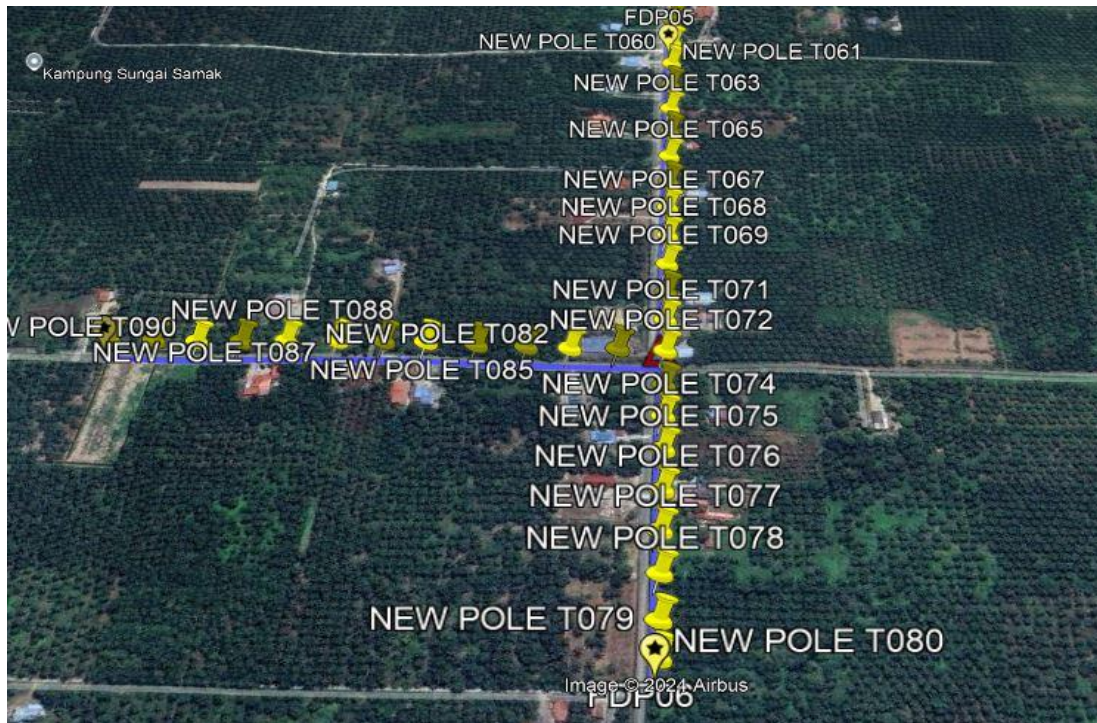


Route 1.1

Route 2



Route 2.1



**Route 2.2**





**Route 3.2**

### 3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	EX ALLO POLE	40	3.789520205	101.0817288	Majlis Perbandaran Teluk Intan
2	T001	40	3.785634991	101.0873508	Majlis Perbandaran Teluk Intan
3	T002	40	3.785293554	101.0871823	Majlis Perbandaran Teluk Intan
4	T003	40	3.784972316	101.0870215	Majlis Perbandaran Teluk Intan
5	T004	40	3.784650869	101.0868628	Majlis Perbandaran Teluk Intan
6	T005	40	3.784348743	101.0867157	Majlis Perbandaran Teluk Intan
7	T006	40	3.783978495	101.0865367	Majlis Perbandaran Teluk Intan
8	T007	40	3.78369205	101.0863931	Majlis Perbandaran Teluk Intan
9	T008	40	3.783399141	101.0862531	Majlis Perbandaran Teluk Intan
10	T009	40	3.783184778	101.0861427	Majlis Perbandaran Teluk Intan
11	T010	40	3.785899009	101.0874771	Majlis Perbandaran Teluk Intan
12	T011	40	3.786255235	101.0876543	Majlis Perbandaran Teluk Intan
13	T012	40	3.786494754	101.0877725	JKR Hilir Perak
14	T013	40	3.786644075	101.0874737	JKR Hilir Perak
15	T014	40	3.786810884	101.0871434	JKR Hilir Perak
16	T015	40	3.786988456	101.0868199	JKR Hilir Perak
17	T016	40	3.787151874	101.0865201	JKR Hilir Perak
18	T017	40	3.787321631	101.0861971	JKR Hilir Perak
19	T018	40	3.787485879	101.0858689	JKR Hilir Perak
20	T019	40	3.787653455	101.0855476	JKR Hilir Perak
21	T020	40	3.787822443	101.0852261	JKR Hilir Perak
22	T021	40	3.787944859	101.0850109	JKR Hilir Perak
23	T022	40	3.788094786	101.0847126	JKR Hilir Perak
24	T023	40	3.788254551	101.0843992	JKR Hilir Perak
25	T024	40	3.78839698	101.0841395	JKR Hilir Perak
26	T025	40	3.788549984	101.0838489	JKR Hilir Perak
27	T026	40	3.78871972	101.0835114	JKR Hilir Perak

### 3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
28	T027	40	3.788870055	101.0832052	JKR Hilir Perak
29	T028	40	3.789040156	101.082895	JKR Hilir Perak
30	T029	40	3.789171508	101.0826566	JKR Hilir Perak
31	T030	40	3.789338356	101.0823162	JKR Hilir Perak
32	T031	40	3.789501383	101.0820198	JKR Hilir Perak
33	T032	40	3.789597856	101.0818351	JKR Hilir Perak
34	T033	40	3.789236727	101.0815923	Majlis Perbandaran Teluk Intan
35	T034	40	3.78892157	101.0814331	Majlis Perbandaran Teluk Intan
36	T035	40	3.788590447	101.0812608	Majlis Perbandaran Teluk Intan
37	T036	40	3.788274797	101.0811064	Majlis Perbandaran Teluk Intan
38	T037	40	3.788025245	101.0809982	Majlis Perbandaran Teluk Intan
39	T038	40	3.787697273	101.080821	Majlis Perbandaran Teluk Intan
40	T039	40	3.787391306	101.0806649	Majlis Perbandaran Teluk Intan
41	T040	40	3.787165205	101.0805561	Majlis Perbandaran Teluk Intan
42	T041	40	3.786854169	101.0804008	Majlis Perbandaran Teluk Intan
43	T042	40	3.786511016	101.0802294	Majlis Perbandaran Teluk Intan
44	T043	40	3.786160516	101.0800591	Majlis Perbandaran Teluk Intan
45	T044	40	3.78585887	101.0799073	Majlis Perbandaran Teluk Intan
46	T045	40	3.785542757	101.0797435	Majlis Perbandaran Teluk Intan
47	T046	40	3.785198926	101.0795745	Majlis Perbandaran Teluk Intan
48	T047	40	3.784897794	101.0794187	Majlis Perbandaran Teluk Intan
49	T048	40	3.784579173	101.0792629	Majlis Perbandaran Teluk Intan
50	T049	40	3.784237974	101.0790947	Majlis Perbandaran Teluk Intan
51	T050	40	3.78393986	101.0789471	Majlis Perbandaran Teluk Intan
52	T051	40	3.783589094	101.0787734	Majlis Perbandaran Teluk Intan
53	T052	40	3.783285514	101.0786263	Majlis Perbandaran Teluk Intan
54	T053	40	3.782986203	101.0784741	Majlis Perbandaran Teluk Intan

### 3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
55	T054	40	3.782662633	101.0783074	Majlis Perbandaran Teluk Intan
56	T055	40	3.782368743	101.0781657	Majlis Perbandaran Teluk Intan
57	T056	40	3.782045121	101.0780049	Majlis Perbandaran Teluk Intan
58	T057	40	3.781717393	101.0778353	Majlis Perbandaran Teluk Intan
59	T058	40	3.781377989	101.0776747	Majlis Perbandaran Teluk Intan
60	T059	40	3.781083446	101.0775251	Majlis Perbandaran Teluk Intan
61	T060	40	3.780734342	101.07736	Majlis Perbandaran Teluk Intan
62	T061	40	3.78043424	101.077206	Majlis Perbandaran Teluk Intan
63	T062	40	3.780127739	101.0770472	Majlis Perbandaran Teluk Intan
64	T063	40	3.779777021	101.076873	Majlis Perbandaran Teluk Intan
65	T064	40	3.779457915	101.0767167	Majlis Perbandaran Teluk Intan
66	T065	40	3.779127481	101.076552	Majlis Perbandaran Teluk Intan
67	T066	40	3.778807472	101.0763929	Majlis Perbandaran Teluk Intan
68	T067	40	3.778504081	101.076239	Majlis Perbandaran Teluk Intan
69	T068	40	3.778174482	101.0760777	Majlis Perbandaran Teluk Intan
70	T069	40	3.777845205	101.0759145	Majlis Perbandaran Teluk Intan
71	T070	40	3.77754035	101.0757613	Majlis Perbandaran Teluk Intan
72	T071	40	3.777245519	101.0756122	Majlis Perbandaran Teluk Intan
73	T072	40	3.776923546	101.0754568	Majlis Perbandaran Teluk Intan
74	T073	40	3.776580169	101.0752825	Majlis Perbandaran Teluk Intan
75	T074	40	3.776283392	101.0751338	Majlis Perbandaran Teluk Intan
76	T075	40	3.775981849	101.0749864	Majlis Perbandaran Teluk Intan
77	T076	40	3.775639297	101.0748148	Majlis Perbandaran Teluk Intan
78	T077	40	3.775323676	101.0746495	Majlis Perbandaran Teluk Intan
79	T078	40	3.775006516	101.074498	Majlis Perbandaran Teluk Intan
80	T079	40	3.77468138	101.0743352	Majlis Perbandaran Teluk Intan
81	T080	40	3.774417311	101.0742059	Majlis Perbandaran Teluk Intan
82	T081	40	3.777099045	101.0751375	Majlis Perbandaran Teluk Intan
83	T082	40	3.777251772	101.0748048	Majlis Perbandaran Teluk Intan
84	T083	40	3.777404345	101.0745088	Majlis Perbandaran Teluk Intan
85	T084	40	3.777581998	101.0741703	Majlis Perbandaran Teluk Intan

### 3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
86	T085	40	3.777756278	101.0738273	Majlis Perbandaran Teluk Intan
87	T086	40	3.777904223	101.0735385	Majlis Perbandaran Teluk Intan
88	T087	40	3.778065884	101.0732175	Majlis Perbandaran Teluk Intan
89	T088	40	3.77823349	101.0728687	Majlis Perbandaran Teluk Intan
90	T089	40	3.778395558	101.0725569	Majlis Perbandaran Teluk Intan
91	T090	40	3.778552037	101.0722496	Majlis Perbandaran Teluk Intan
92	T091	40	3.778700338	101.0719527	Majlis Perbandaran Teluk Intan
93	T092	40	3.778859373	101.0716426	Majlis Perbandaran Teluk Intan
94	T093	40	3.789783035	101.0814969	JKR Hilir Perak
95	T094	40	3.789937544	101.0812003	JKR Hilir Perak
96	T095	40	3.790108806	101.0808693	JKR Hilir Perak
97	T096	40	3.790274544	101.0805506	JKR Hilir Perak
98	T097	40	3.790435289	101.0802254	JKR Hilir Perak
99	T098	40	3.79061165	101.0799245	JKR Hilir Perak
100	T099	40	3.790816784	101.0795722	JKR Hilir Perak
101	T100	40	3.790951001	101.0792692	JKR Hilir Perak
102	T101	40	3.791110133	101.0789616	JKR Hilir Perak
103	T102	40	3.791279068	101.0786752	JKR Hilir Perak
104	T103	40	3.791443159	101.0783499	JKR Hilir Perak
105	T104	40	3.79158959	101.0780422	JKR Hilir Perak
106	T105	40	3.791757531	101.0777307	JKR Hilir Perak
107	T106	40	3.791923373	101.0774101	JKR Hilir Perak
108	T107	40	3.792127207	101.0770329	JKR Hilir Perak
109	T108	40	3.792287489	101.0767255	JKR Hilir Perak
110	T109	40	3.792451239	101.0763999	JKR Hilir Perak
111	T110	40	3.792624335	101.076082	JKR Hilir Perak
112	T111	40	3.792790471	101.0757621	JKR Hilir Perak

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
113	T112	40	3.792946177	101.0754492	JKR Hilir Perak
114	T113	40	3.793129316	101.07512	JKR Hilir Perak
115	T114	40	3.79329617	101.0748162	JKR Hilir Perak
116	T115	40	3.792987314	101.0746228	Majlis Perbandaran Teluk Intan
117	T116	40	3.79266912	101.0744637	Majlis Perbandaran Teluk Intan
118	T117	40	3.792338267	101.0742924	Majlis Perbandaran Teluk Intan
119	T118	40	3.792020521	101.0741214	Majlis Perbandaran Teluk Intan
120	T119	40	3.791702784	101.0739377	Majlis Perbandaran Teluk Intan
121	T120	40	3.791383977	101.0737694	Majlis Perbandaran Teluk Intan
122	T121	40	3.791066867	101.0736046	Majlis Perbandaran Teluk Intan
123	T122	40	3.790752169	101.0734392	Majlis Perbandaran Teluk Intan
124	T123	40	3.790423061	101.0732953	Majlis Perbandaran Teluk Intan
125	T124	40	3.79009097	101.0731303	Majlis Perbandaran Teluk Intan
126	T125	40	3.789770781	101.072972	Majlis Perbandaran Teluk Intan
127	T126	40	3.789449533	101.072822	Majlis Perbandaran Teluk Intan
128	T127	40	3.789119938	101.0726593	Majlis Perbandaran Teluk Intan
129	T128	40	3.788842221	101.0725214	Majlis Perbandaran Teluk Intan
130	T129	40	3.793451579	101.0744953	JKR Hilir Perak
131	T130	40	3.793623317	101.0741719	JKR Hilir Perak
132	T131	40	3.793805494	101.0738633	JKR Hilir Perak
133	T132	40	3.793961444	101.0735424	JKR Hilir Perak
134	T133	40	3.794125198	101.07322	JKR Hilir Perak
135	T134	40	3.794285001	101.0728892	JKR Hilir Perak
136	T135	40	3.794458841	101.0725775	JKR Hilir Perak
137	T136	40	3.794628118	101.0722566	JKR Hilir Perak
138	T137	40	3.794798982	101.0719503	JKR Hilir Perak
139	T138	40	3.794959898	101.0716265	JKR Hilir Perak

### 3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
140	T139	40	3.795130306	101.071303	JKR Hilir Perak
141	T140	40	3.795306011	101.0709821	JKR Hilir Perak
142	T141	40	3.795434864	101.0707501	JKR Hilir Perak
143	T142	40	3.795105537	101.0705885	Majlis Perbandaran Teluk Intan
144	T143	40	3.794785692	101.070434	Majlis Perbandaran Teluk Intan
145	T144	40	3.7944504	101.0702801	Majlis Perbandaran Teluk Intan
146	T145	40	3.794138643	101.070113	Majlis Perbandaran Teluk Intan
147	T146	40	3.793814125	101.069944	Majlis Perbandaran Teluk Intan
148	T147	40	3.793507368	101.0697642	Majlis Perbandaran Teluk Intan
149	T148	40	3.793171621	101.0696096	Majlis Perbandaran Teluk Intan
150	T149	40	3.792904374	101.0694796	Majlis Perbandaran Teluk Intan
151	T150	40	3.79258024	101.0693066	Majlis Perbandaran Teluk Intan
152	T151	40	3.792257435	101.069144	Majlis Perbandaran Teluk Intan
153	T152	40	3.791938092	101.0689789	Majlis Perbandaran Teluk Intan
154	T153	40	3.791611183	101.068825	Majlis Perbandaran Teluk Intan
155	T154	40	3.791275142	101.0686484	Majlis Perbandaran Teluk Intan
156	T155	40	3.795599906	101.0704255	JKR Hilir Perak
157	T156	40	3.795762777	101.070103	JKR Hilir Perak
158	T157	40	3.795930022	101.0697836	JKR Hilir Perak
159	T158	40	3.796099144	101.069466	JKR Hilir Perak
160	T159	40	3.796263551	101.0691421	JKR Hilir Perak
161	T160	40	3.796428856	101.0688321	JKR Hilir Perak
162	T161	40	3.796595519	101.0685167	JKR Hilir Perak
163	T162	40	3.79670918	101.0682926	JKR Hilir Perak
164	T163	40	3.786682513	101.0878615	JKR Hilir Perak
165	T164	40	3.786718704	101.087935	JKR Hilir Perak
166	T165	40	3.78656425	101.0882592	JKR Hilir Perak
167	T166	40	3.786400729	101.0885846	JKR Hilir Perak
168	T167	40	3.786233988	101.0888983	JKR Hilir Perak
169	T168	40	3.786061406	101.0892156	JKR Hilir Perak
170	T169	40	3.785900359	101.0895336	JKR Hilir Perak
171	T170	40	3.785730097	101.0898514	JKR Hilir Perak

### 3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
172	T171	40	3.785569216	101.09018	JKR Hilir Perak
173	T172	40	3.785403123	101.0904976	JKR Hilir Perak
174	T173	40	3.785236787	101.0908238	JKR Hilir Perak
175	T174	40	3.785086832	101.0911458	JKR Hilir Perak
176	T175	40	3.784913883	101.0914675	JKR Hilir Perak
177	T176	40	3.78471059	101.0917632	JKR Hilir Perak
178	T177	40	3.784517557	101.0920543	JKR Hilir Perak
179	T178	40	3.784305336	101.0923515	JKR Hilir Perak
180	T179	40	3.784104519	101.0926603	JKR Hilir Perak
181	T180	40	3.783917492	101.0929593	JKR Hilir Perak
182	T181	40	3.78373336	101.0932724	JKR Hilir Perak
183	T182	40	3.78356875	101.0935938	JKR Hilir Perak
184	T183	40	3.78341504	101.0939181	JKR Hilir Perak
185	T184	40	3.783254258	101.0942498	JKR Hilir Perak
186	T185	40	3.783100818	101.0945698	JKR Hilir Perak
187	T186	40	3.78293896	101.0948894	JKR Hilir Perak
188	T187	40	3.782786272	101.0952184	JKR Hilir Perak
189	T188	40	3.78263313	101.0955504	JKR Hilir Perak
190	T189	40	3.782475743	101.0958698	JKR Hilir Perak
191	T190	40	3.782331206	101.0961998	JKR Hilir Perak
192	T191	40	3.78217954	101.0965239	JKR Hilir Perak
193	T192	40	3.782019623	101.0968542	JKR Hilir Perak
194	T193	40	3.781875068	101.0971784	JKR Hilir Perak
195	T194	40	3.781721825	101.0975067	JKR Hilir Perak
196	T195	40	3.78157033	101.0978206	JKR Hilir Perak
197	T196	40	3.781408245	101.0981579	JKR Hilir Perak
198	T197	40	3.781256251	101.0984847	JKR Hilir Perak
199	T198	40	3.781104816	101.0988083	JKR Hilir Perak
200	T199	40	3.780988608	101.099054	JKR Hilir Perak
201	T200	40	3.780841953	101.0993779	JKR Hilir Perak
202	T201	40	3.780685759	101.0997046	JKR Hilir Perak
203	T202	40	3.780526378	101.1000308	JKR Hilir Perak



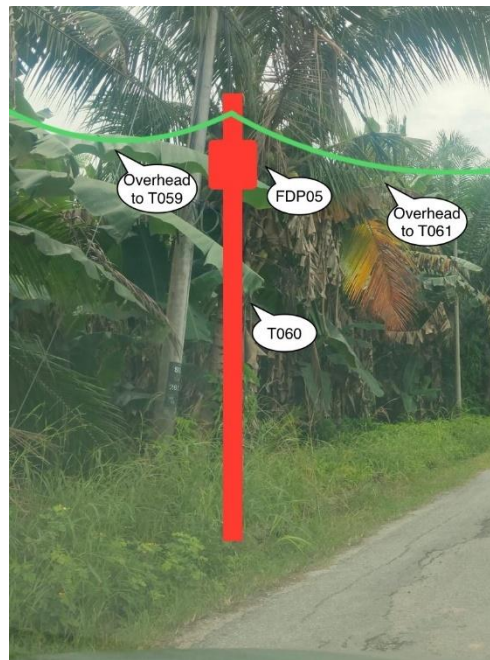
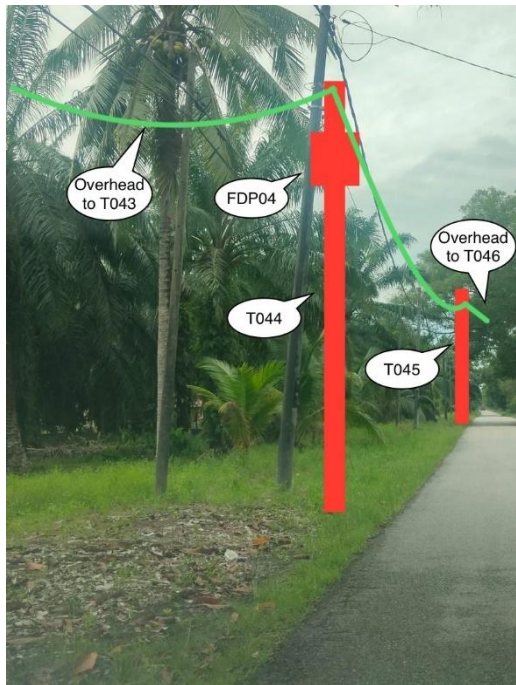
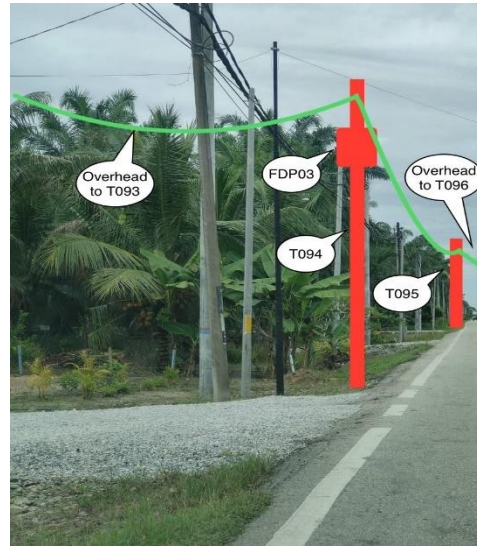
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKMM.400-11/17/132(1))



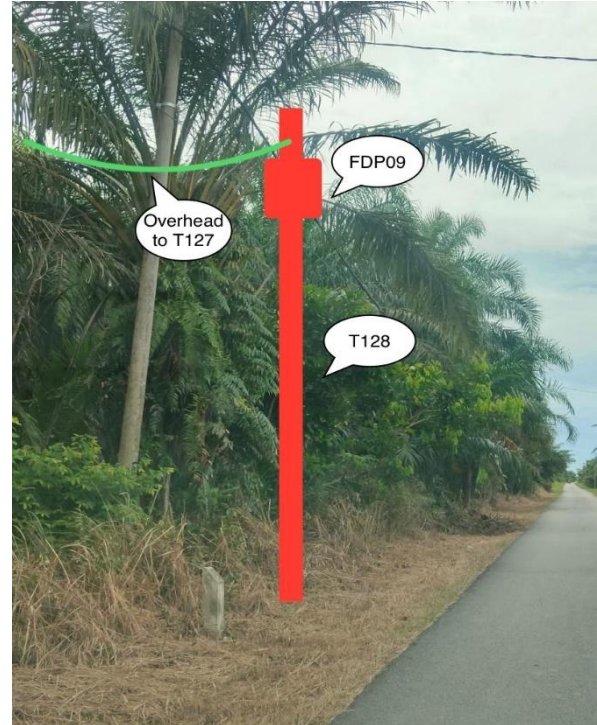
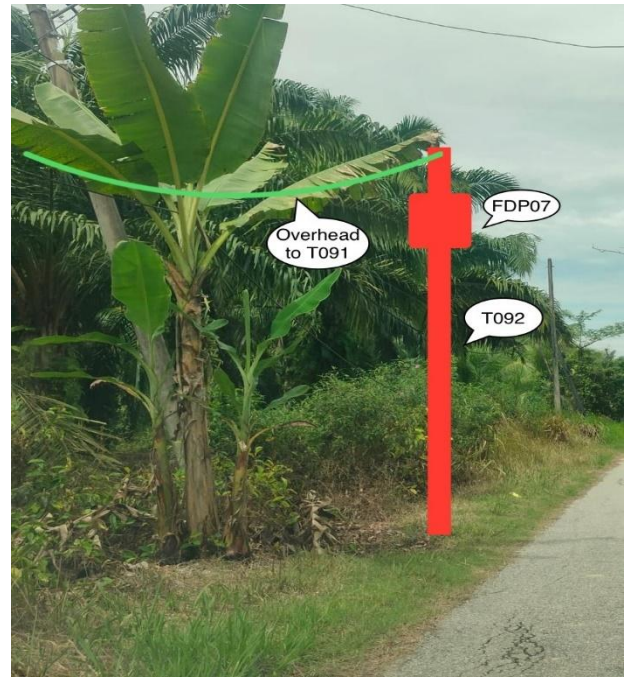
### 3.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
204	T203	40	3.780360225	101.1003451	JKR Hilir Perak
205	T204	40	3.780183262	101.100664	JKR Hilir Perak
206	T205	40	3.78003831	101.1009934	JKR Hilir Perak
207	T206	40	3.77987436	101.1013199	JKR Hilir Perak
208	T207	40	3.77973554	101.1016527	JKR Hilir Perak
209	T208	40	3.779593289	101.1019732	JKR Hilir Perak
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211	T210	40	3.779331399	101.1025805	JKR Hilir Perak

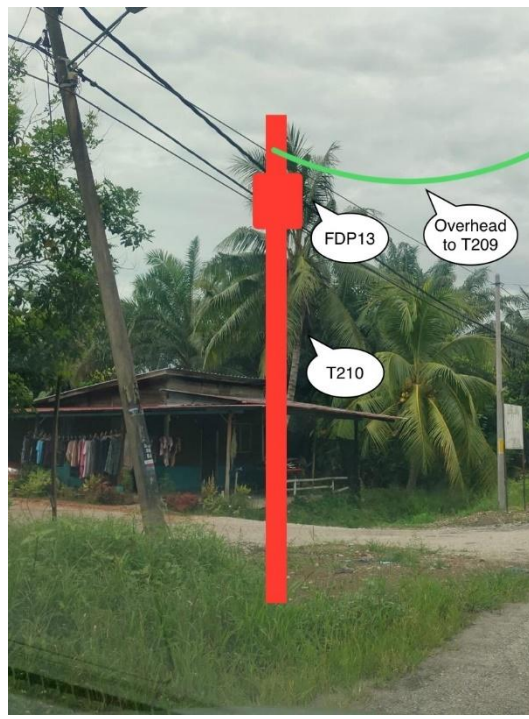
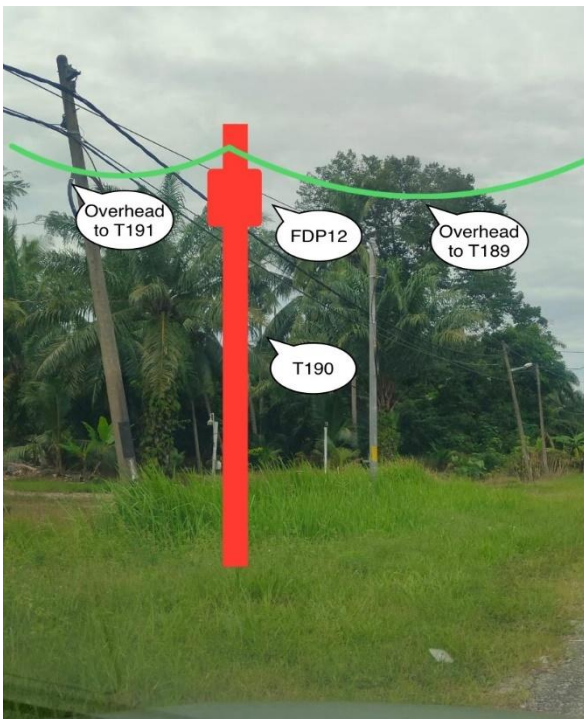
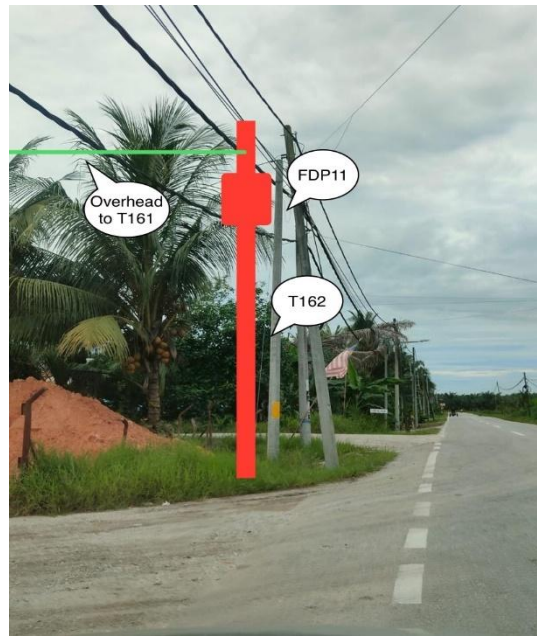
**4.0 SITE PHOTOS - PROPOSED NEW POLE**



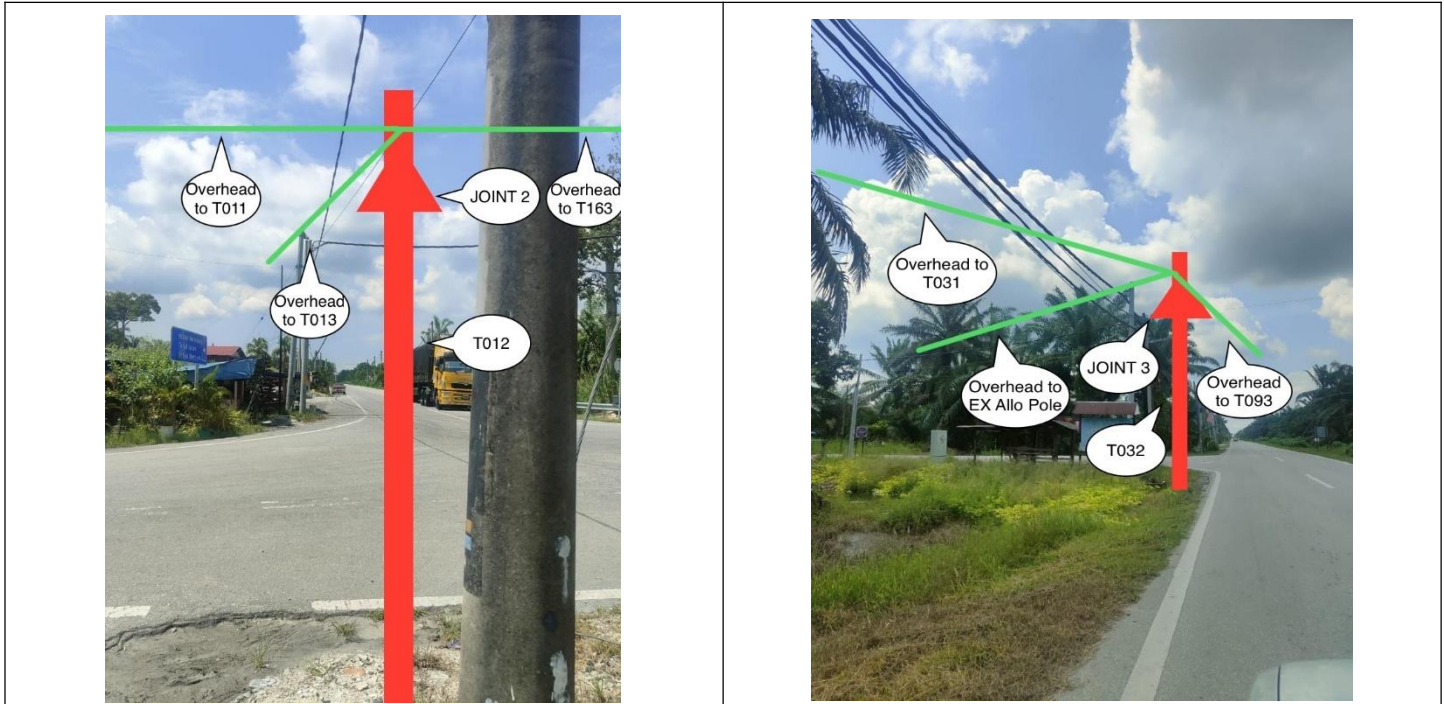
#### 4.0 SITE PHOTOS - PROPOSED NEW POLE



**4.0 SITE PHOTOS - PROPOSED NEW POLE**



#### 4.0 SITE PHOTOS - PROPOSED NEW POLE





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 (KKMM.400-11/17/132(1))



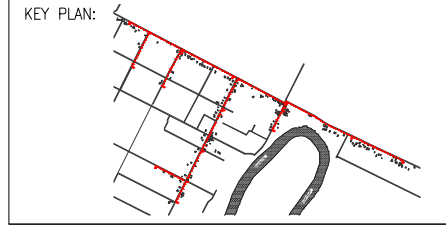
### 5.0 3<sup>rd</sup> PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Perbandaran Teluk Intan	3,836M
2	JKR Hilir Perak	4,295M



	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:

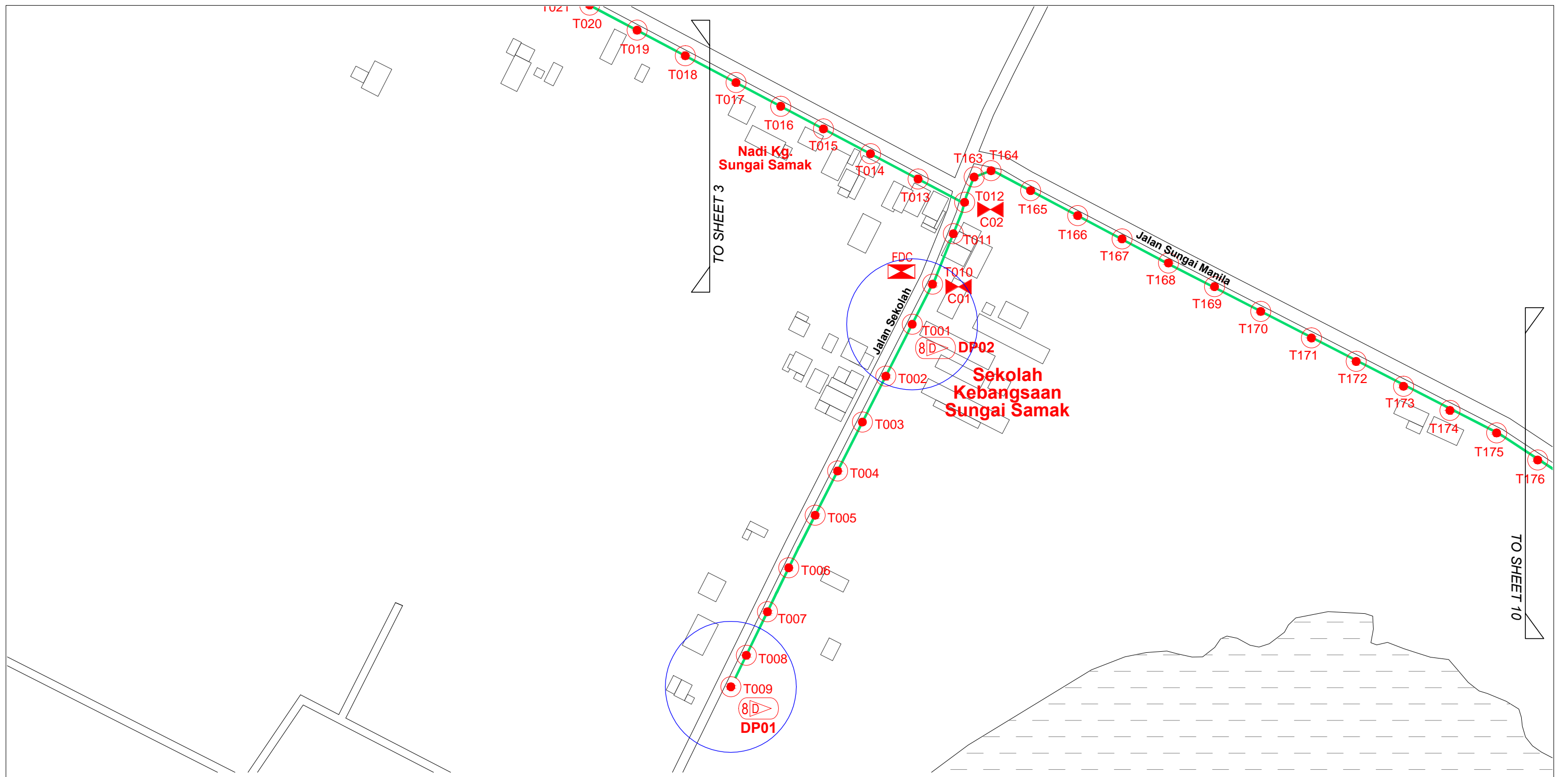
**SEKOLAH KEBANGSAAN  
 SUNGAI SAMAK**

DRAWING TITLE:

**TP Drawing**

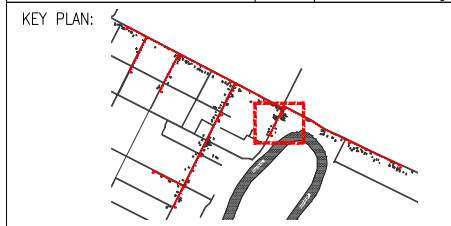
PROJECT ID:  
**ABAB016**

Design By : (Contractor)	Date :
Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 1/11
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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 :



PROJECT OWNER:

KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR:

APEX COMMUNICATIONS SDN BHD  
187475-V

PRIVASAI

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 KEBANGSAAN SUNGAI SAMAK**

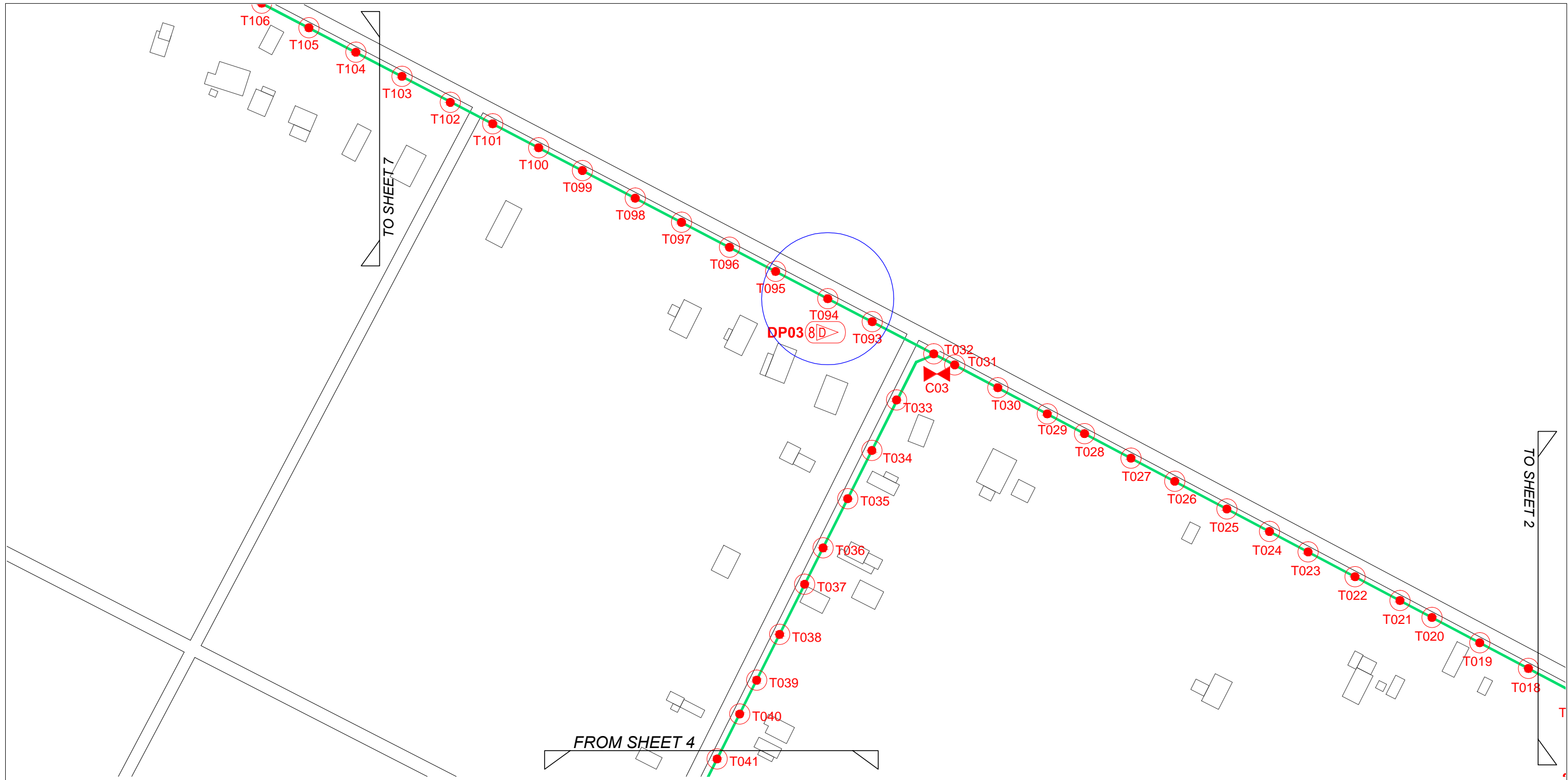
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**TP Drawing**

PROJECT ID:

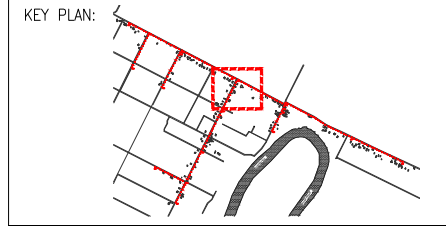
**ABAB016**

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Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 2/11
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Size : A3	



12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	UB3C New Manhole (PIT)	Micro-Trenching (Meter)	MH1 MH NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	C7 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:



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR:



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 KEBANGSAAN SUNGAI SAMAK**

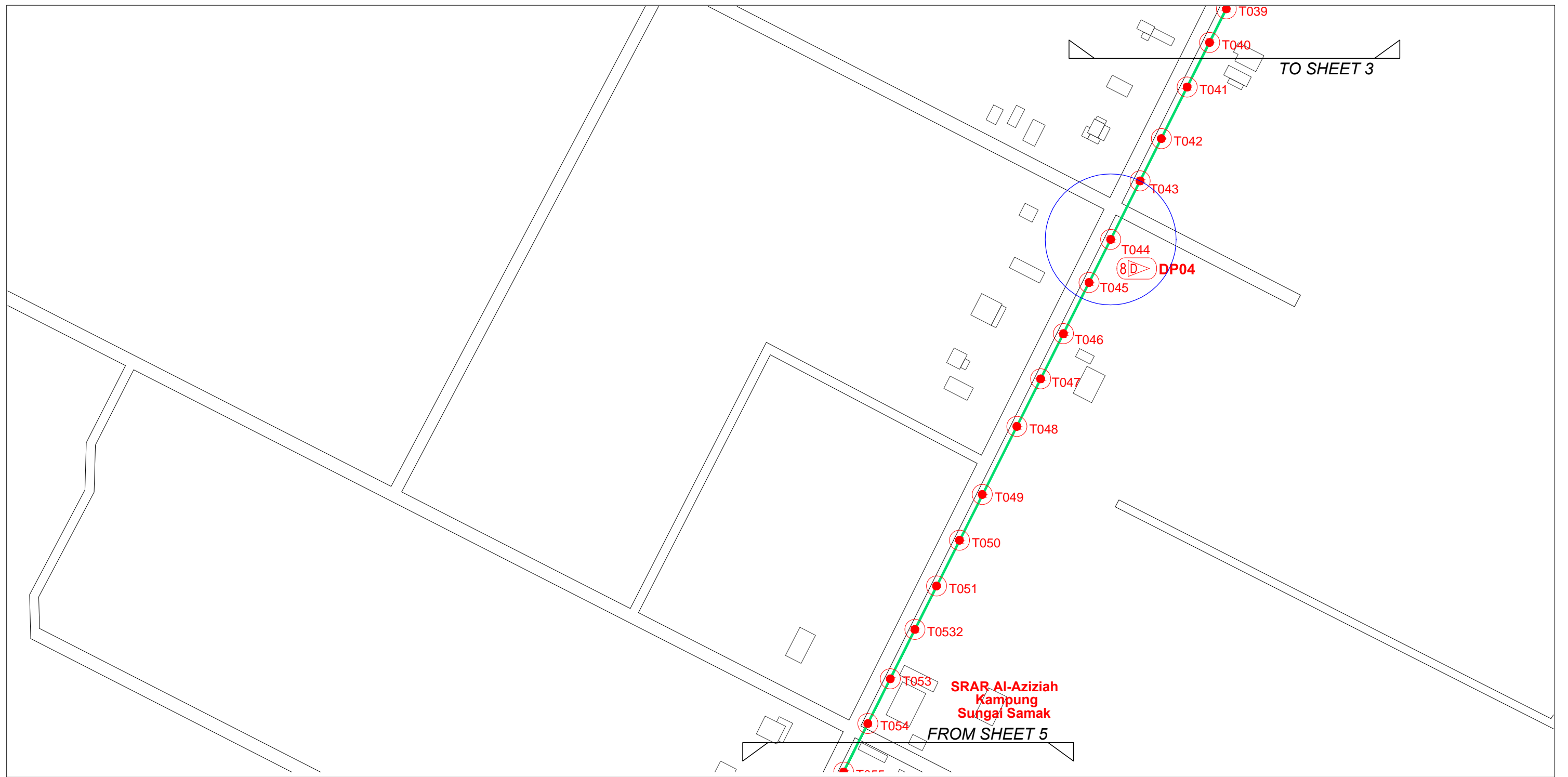
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PROJECT ID:

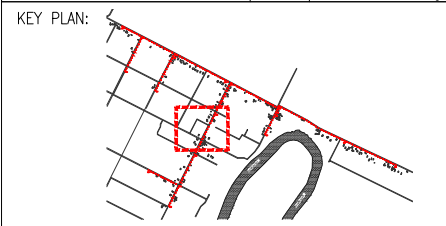
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Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 3/11
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Size : A3	



12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	B3C	New Manhole (PIT)	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	C7	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)	FDC NO.	DP1	FDP NO.

ACTUAL HOMEPASS :



PROJECT OWNER:

MAIN CONTRACTOR:

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:

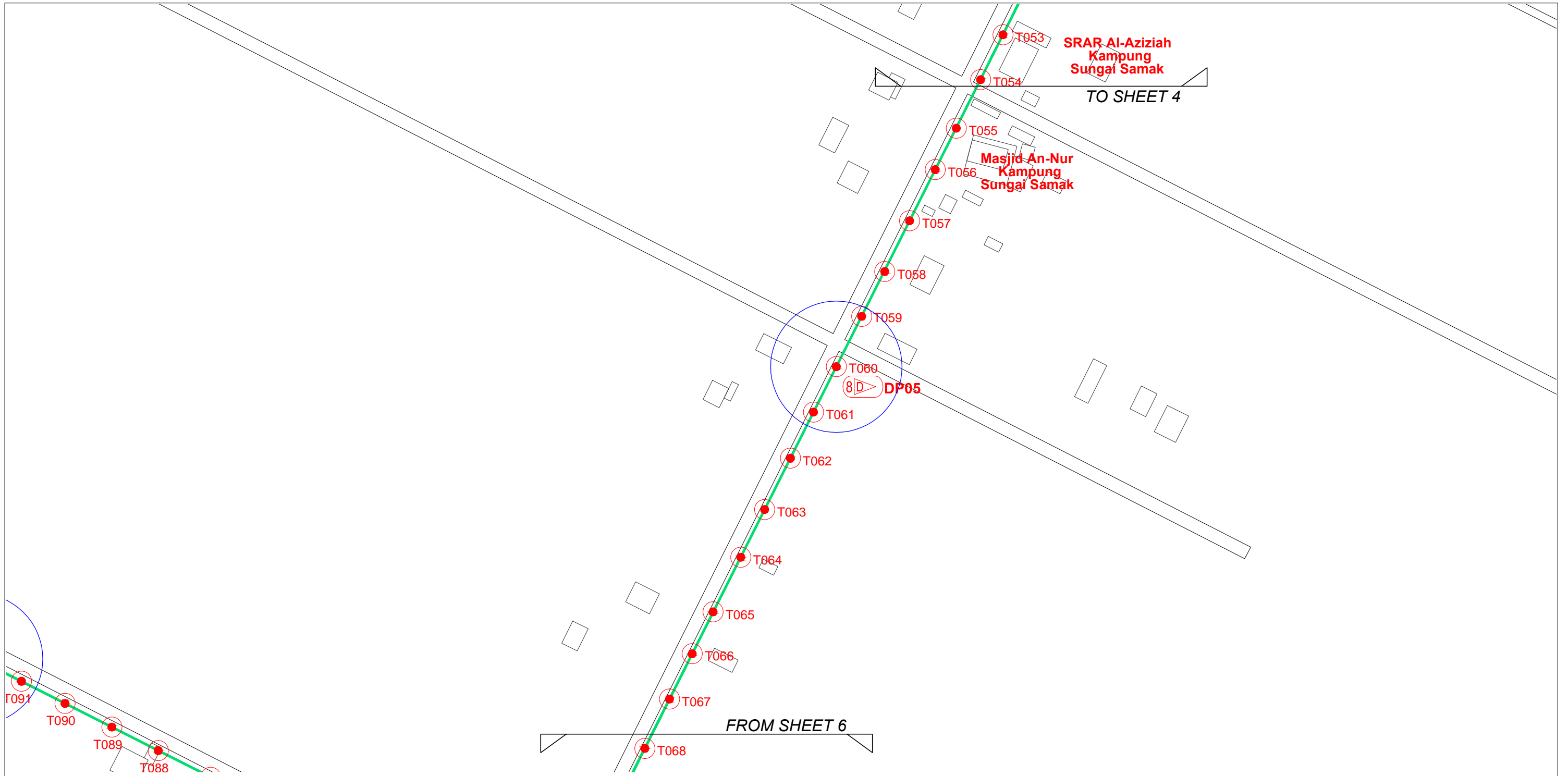
**SEKOLAH KEBANGSAAN  
SUNGAI SAMAK**

DRAWING TITLE:

**TP Drawing**

PROJECT ID:  
**ABAB016**

Design By : (Contractor)	Date :
Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : <b>4/11</b>
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Size : <b>A3</b>	



	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 KEBANGSAAN SUNGAI SAMAK

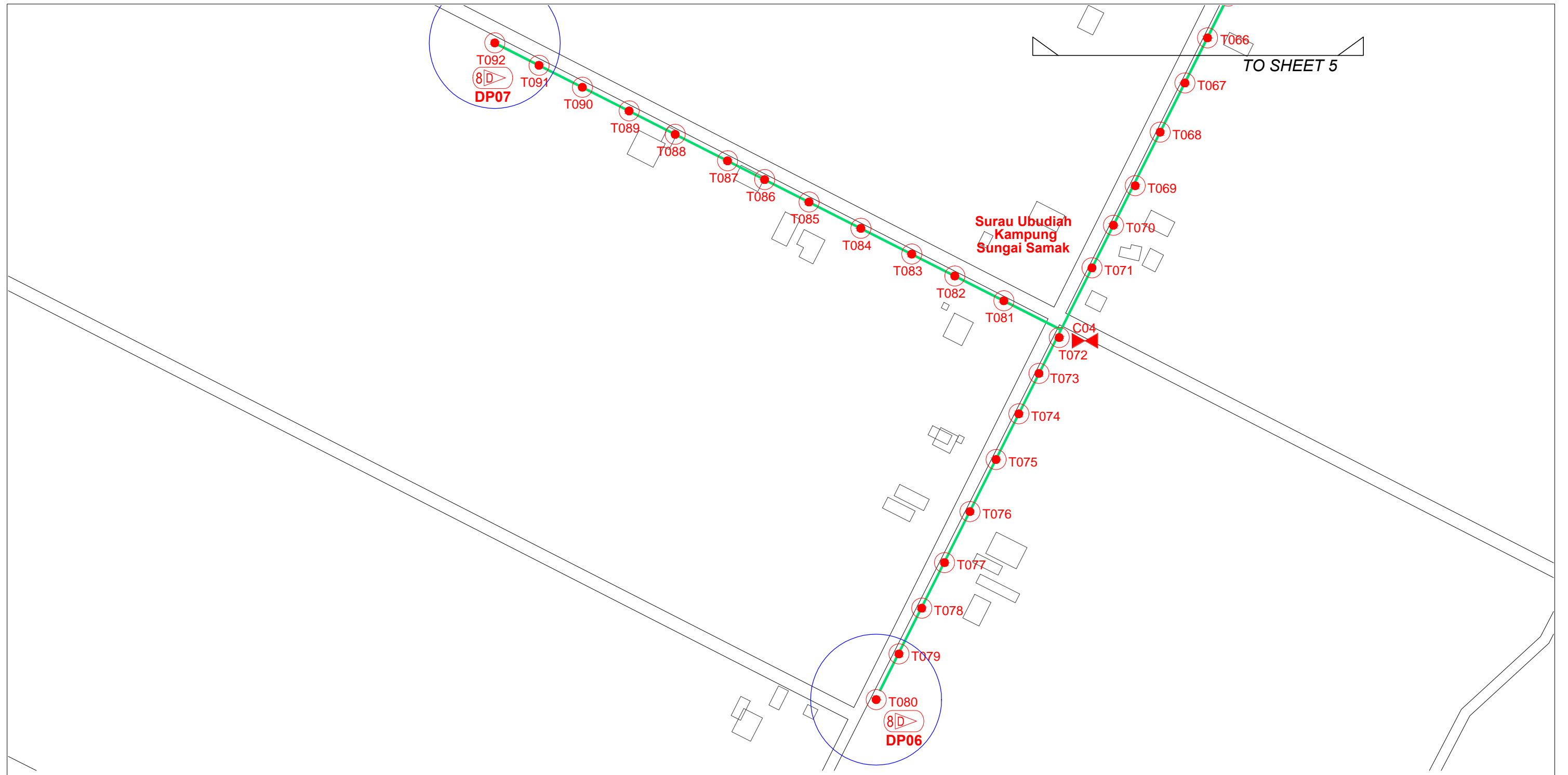
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TP Drawing

PROJECT ID:

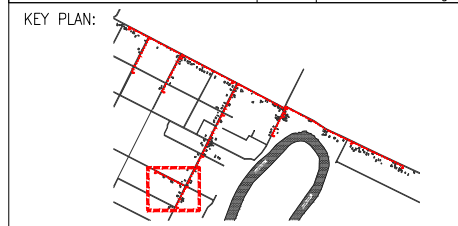
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Design By : (Contractor)	Date :
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Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 5/11
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	Size : A3



12C FOC	Installed 1:4 / 1:8 / 1:32 splitter	Installed Pole (9m)	Suspension	New Manhole (PIT)	Micro-Trenching (Meter)	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)	#	CL01	Closure NO.
144C FOC	Existing Closure	Installed Riser	Existing Manhole	Open Cut (Meter)	C01	DP1	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:

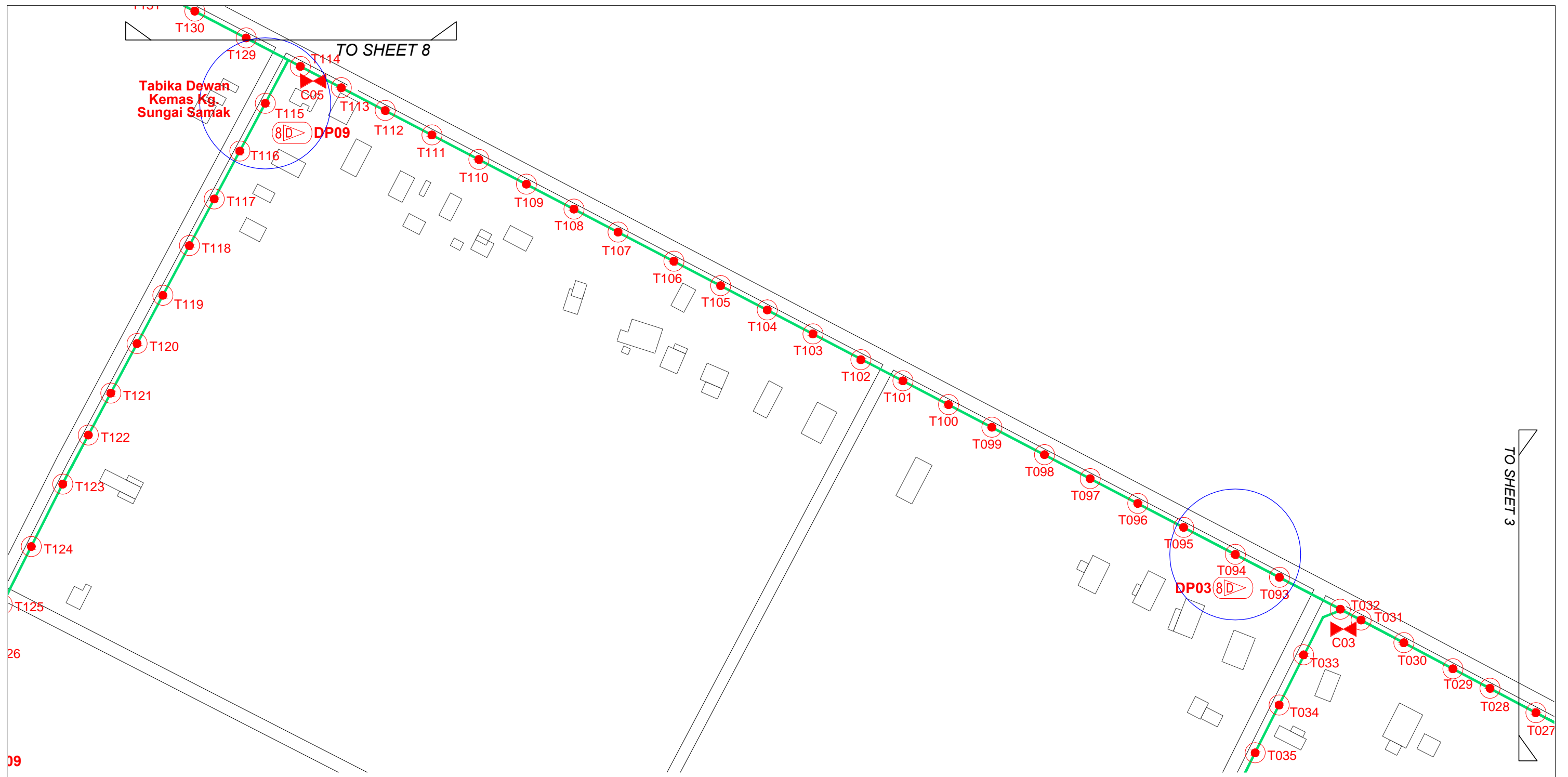
**SEKOLAH KEBANGSAAN SUNGAI SAMAK**

DRAWING TITLE:

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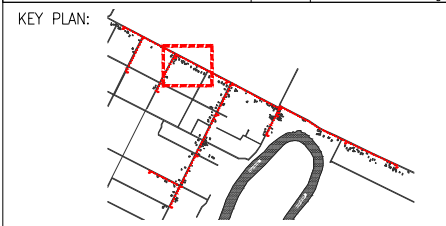
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Design By : (Contractor)	Date :
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Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : <b>6/11</b>
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Size : <b>A3</b>	



	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  
182475-V

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:

SEKOLAH KEBANGSAAN  
SUNGAI SAMAK

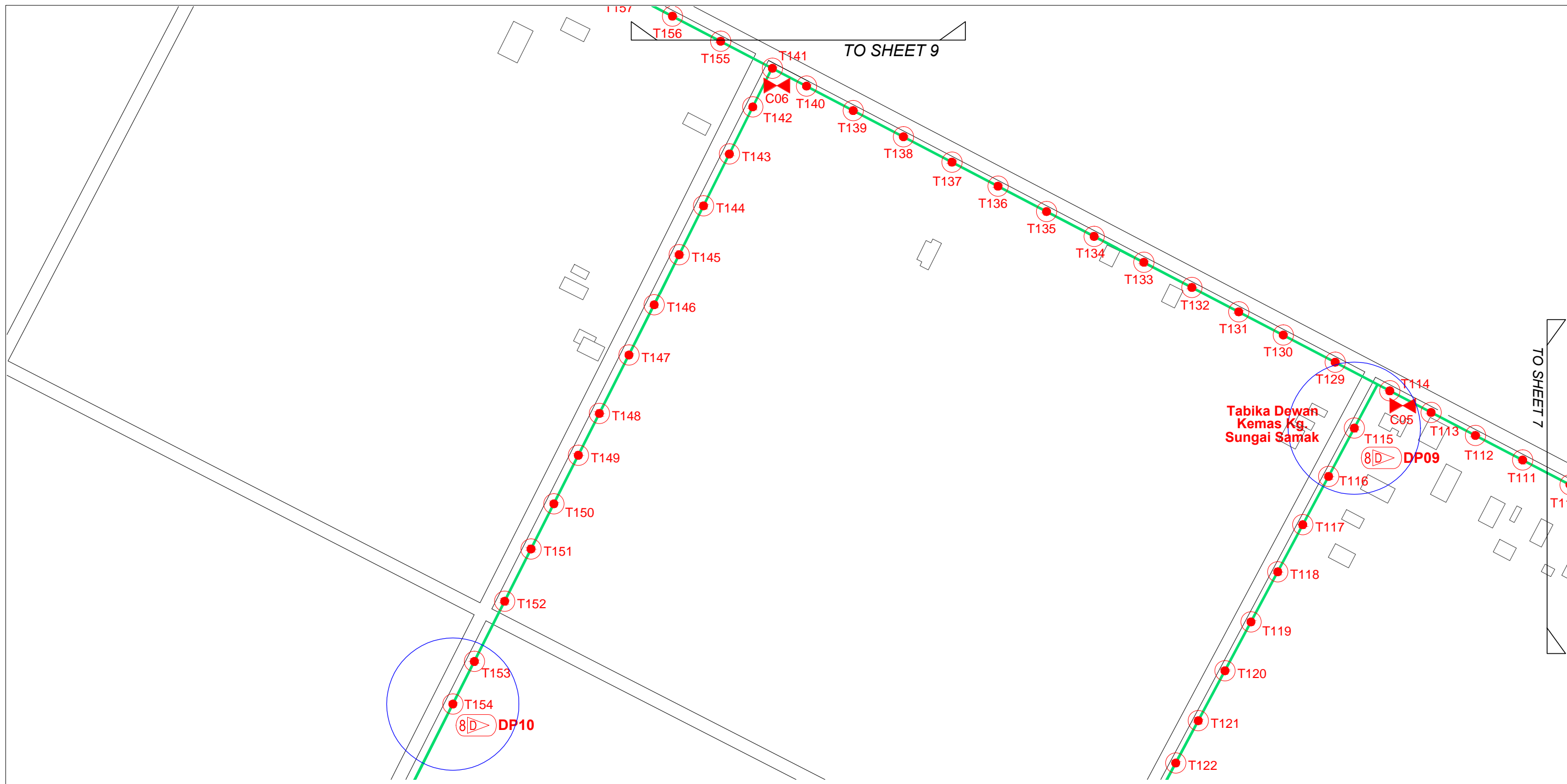
DRAWING TITLE:

TP Drawing

PROJECT ID:

ABAB016

Design By : (Contractor)	Date :
Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 7/11
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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)	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)	FDC NO.	DP1	FDP NO.

ACTUAL HOMEPASS :



SUB-CONTRACTOR:  

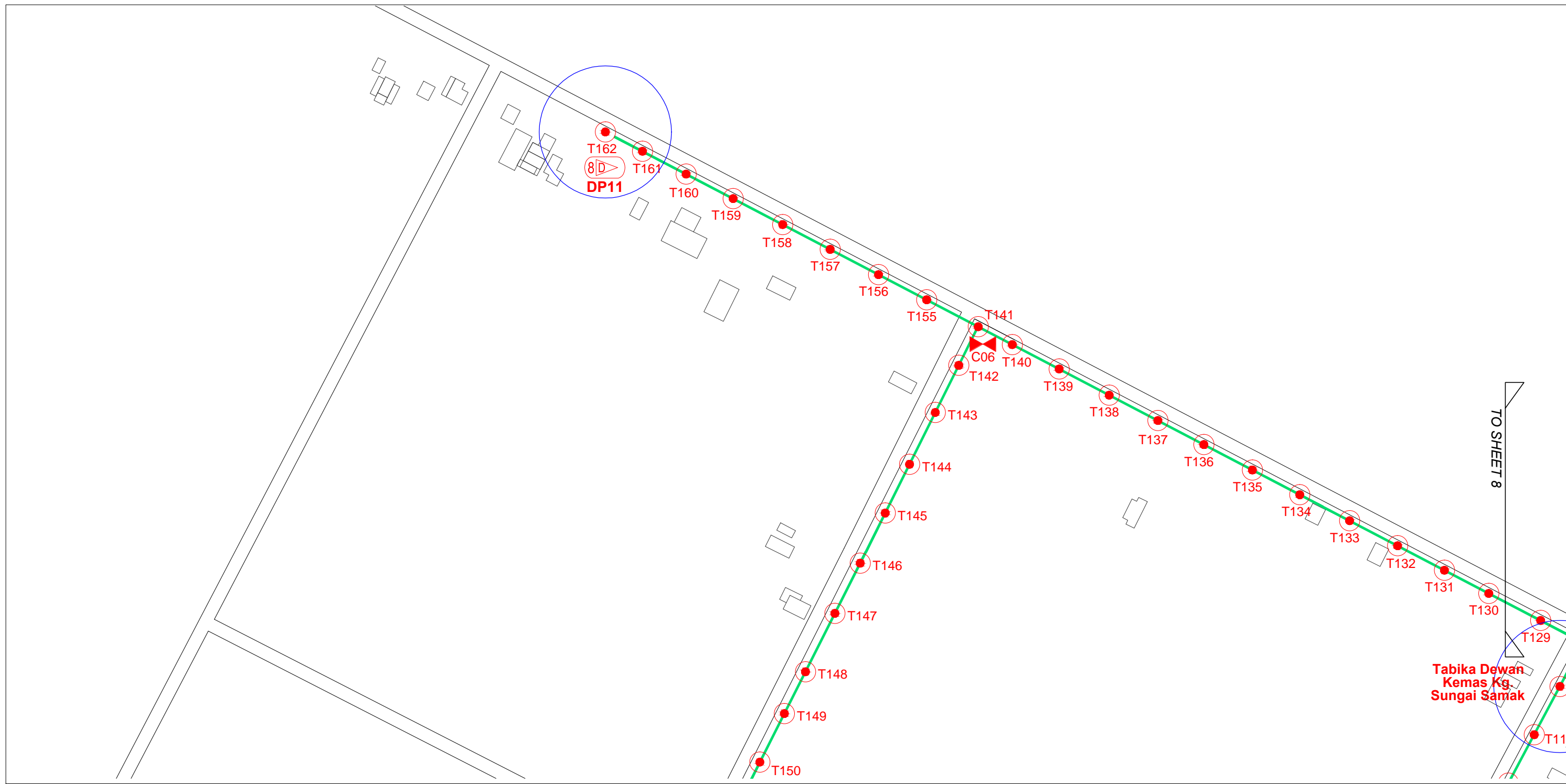
 KNZ ENGINEERING SDN BHD  
 NO. 60 & 60A, Jalan Klebang Indah 1,  
 Medan Klebang Indah,  
 30100 Ipoh, Perak  
 No Tel: 019-3695071  
 Email: admin@knzengineering.com.my  
 Website: www.knzengineering.com.my

PROJECT TITLE:  
**SEKOLAH KEBANGSAAN  
 SUNGAI SAMAK**

DRAWING TITLE:  
**TP Drawing**

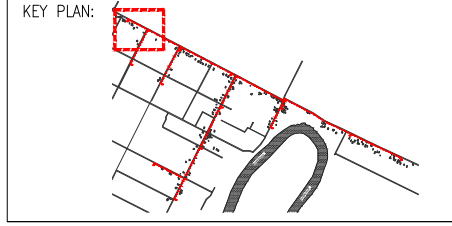
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Drawn By : (Contractor)	Scale :
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Size : <b>A3</b>	



	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 KEBANGSAAN SUNGAI SAMAK

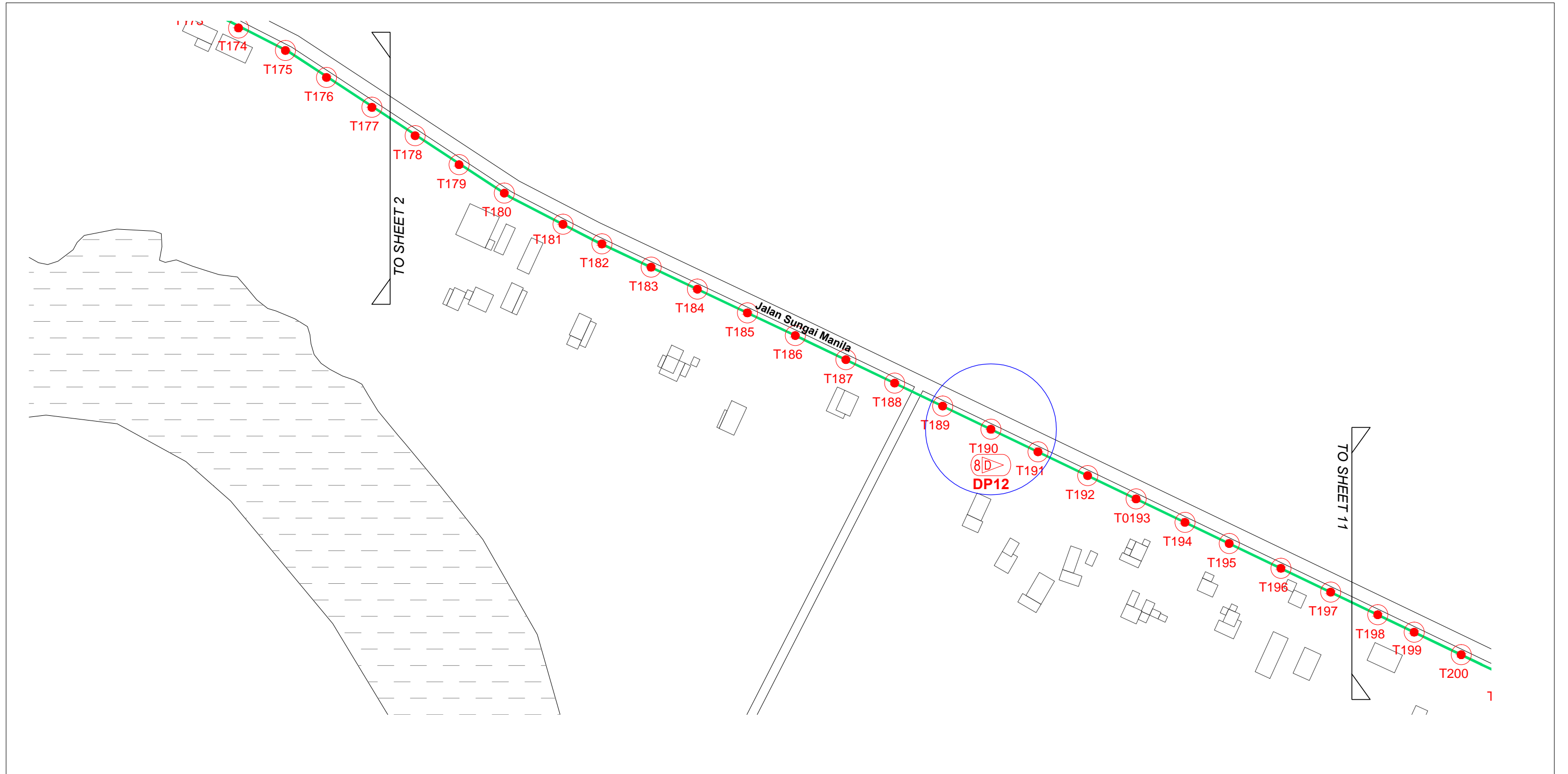
DRAWING TITLE:

TP Drawing

PROJECT ID:

ABAB016

Design By : (Contractor)	Date :
Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 9/11
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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 :	
Design By : (Contractor)	Date :
Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 10/11
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Size : A3	



PROJECT OWNER:

KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR:

APEX COMMUNICATIONS SDN BHD  
187475-V

PRIVASAT

SUB-CONTRACTOR:

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No Tel: 019-3695071  
Email: admin@knzengineering.com.my  
Website: www.knzengineering.com.my

PROJECT TITLE:

SEKOLAH KEBANGSAAN SUNGAI SAMAK

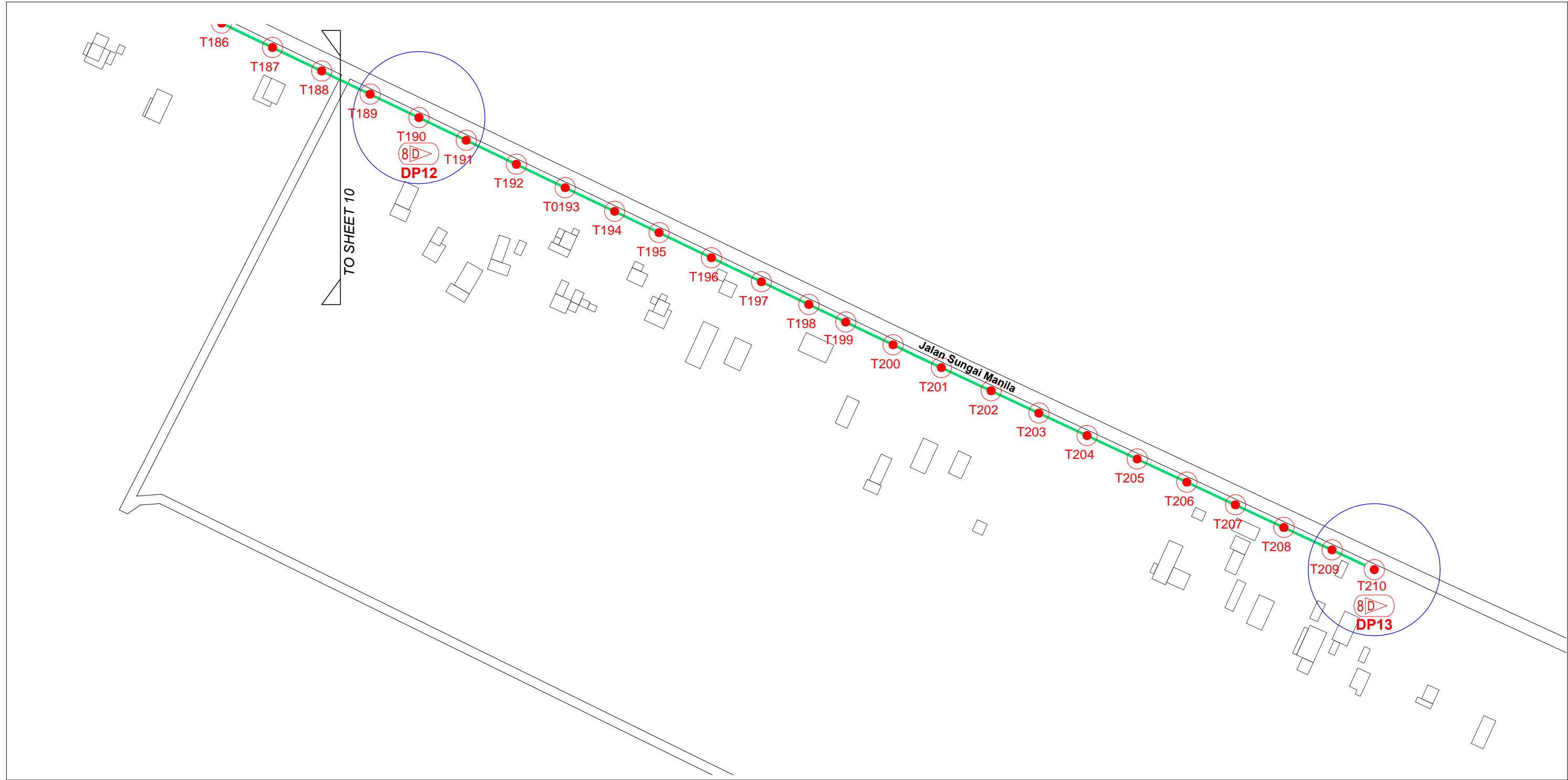
DRAWING TITLE:

TP Drawing

PROJECT ID:

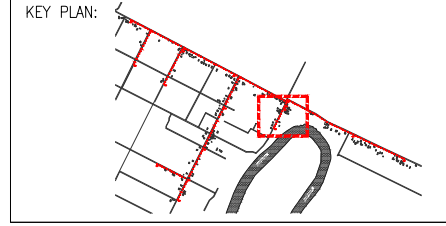
ABAB016

Design By : (Contractor)	Date :
Drawn By : (Contractor)	Scale :
Checked By : (ALLO PIC)	Job Number :
DRAWING NUMBER :	Sheet : 10/11
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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 :



PROJECT OWNER:

KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR:

PRIVASATI

SUB-CONTRACTOR:

KNZ ENGINEERING SDN BHD  
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 Email: admin@knzengineering.com.my  
 Website: www.knzengineering.com.my

PROJECT TITLE:

**SEKOLAH KEBANGSAAN SUNGAI SAMAK**

DRAWING TITLE:

**TP Drawing**

PROJECT ID:

**ABAB016**

Design By : (Contractor)	Date :
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