

# TECHNICAL PROPOSAL

## ABA9014 SEKOLAH KEBANGSAAN POS DIPANG (D-SIDE)

Company Name	:	WCWL COMMUNICATIONS SDN BHD
Company Address	:	127, Jalan PUJ 3/3, Taman Puncak Jalil 43300 Subang Jaya Selangor
Prepared By	:	Nur Syahidah Izzatie
Date	:	22/11/2024



POINT A

POINT B

### Starting Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN POS DIPANG
Address	:	Sahom
District	:	Jeram
Postcode	:	31850
State	:	Perak
GPS Coordinate	:	4.371440, 101.247547
LRD	:	A

### End Point

Site / Boundary Name	:	SEKOLAH KEBANGSAAN POS DIPANG
Address	:	Sahom
District	:	Jeram
Postcode	:	31850
State	:	Perak
GPS Coordinate	:	4.368463, 101.247859
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))



### Work Summary

No	Proposed Distance and Method	Unit	Qty
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

	Other Information	Unit	Qty
1	Proposed Manhole	EA	0
2	Proposed Pole	EA	50
3	Joint Closure	EA	6
4	Estimated time required for completion	days	30



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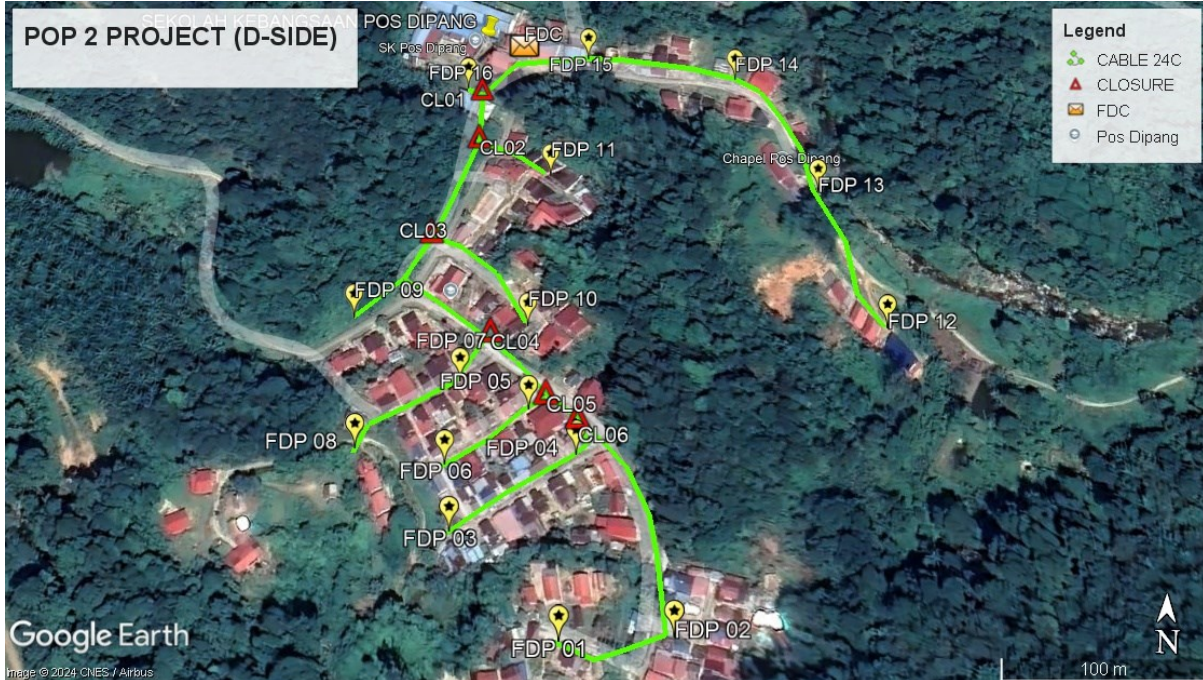
### Local Authority Summary

#### 1. Daerah Kampar

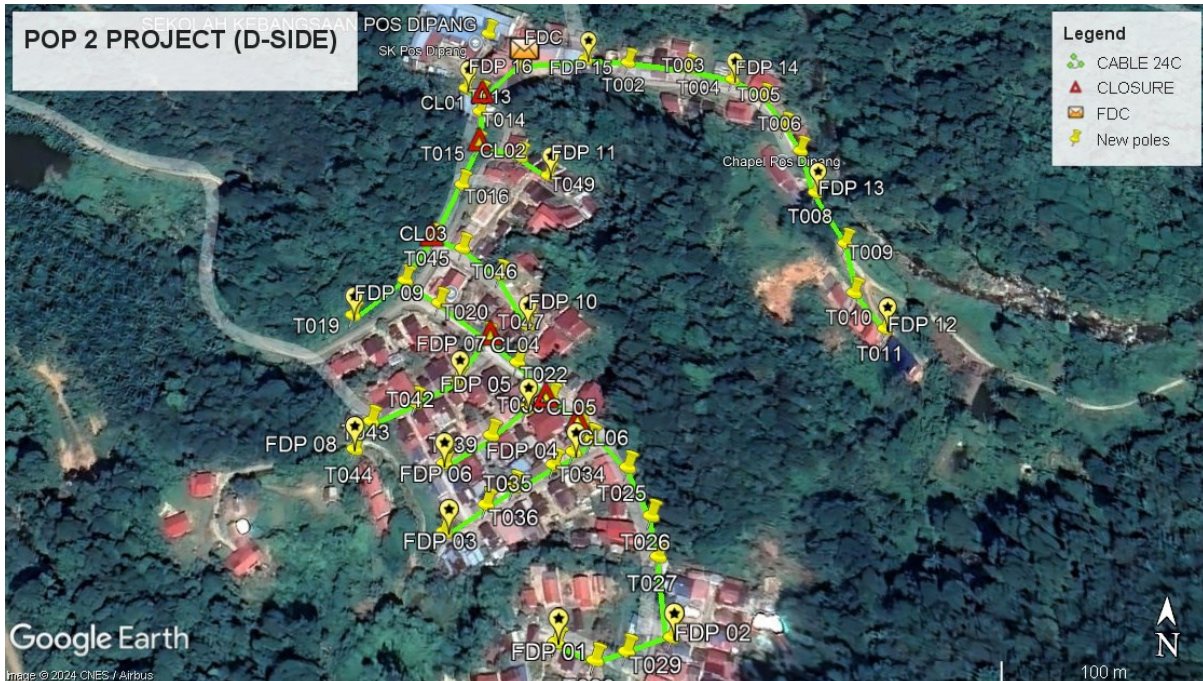
Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	-	-
		Majlis	50pcs	1255m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				1255m

**Site Plan – KMZ (Overview site area)**

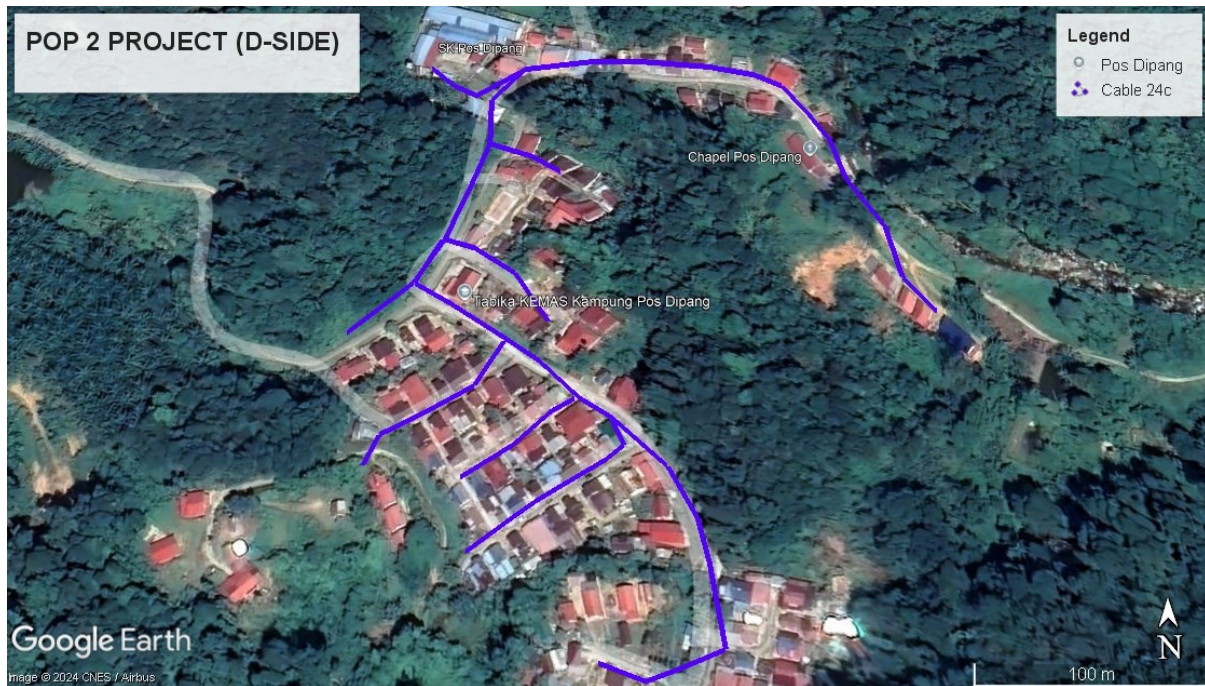
**Proposed FDP and Closure**



**Proposed New Pole**



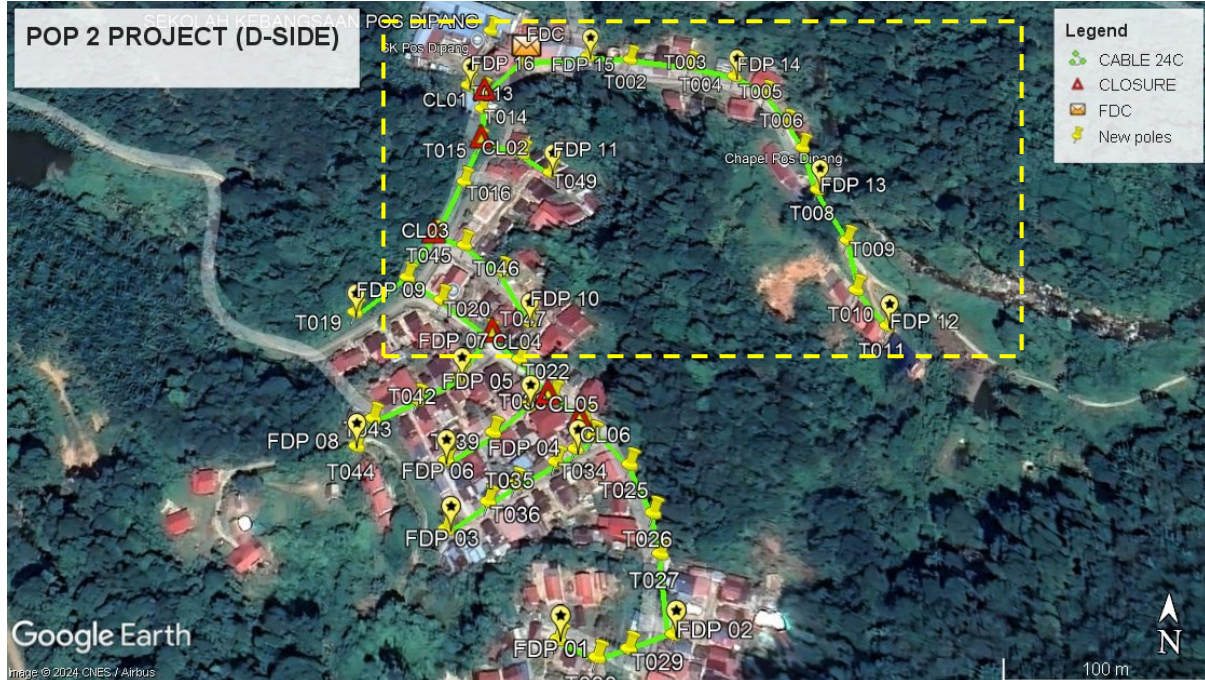
**Site Plan – KMZ Routing (All Local Authority)**



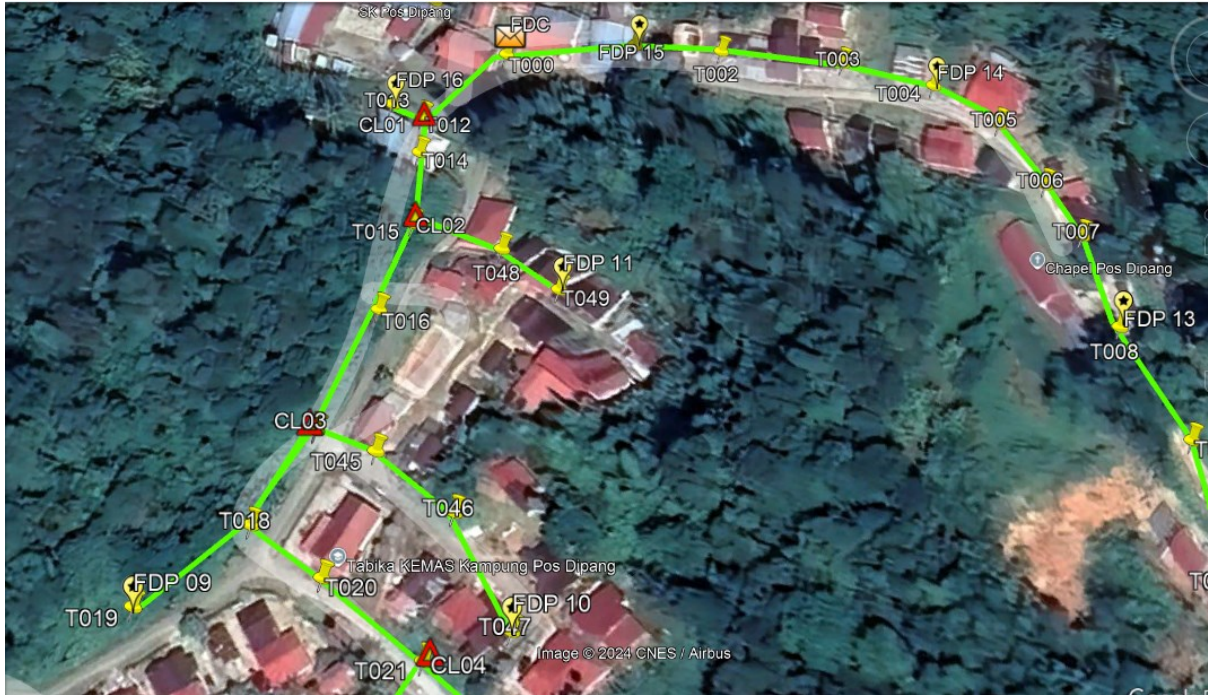
**Blue - Majlis Perbandaran Kampar**

Site Plan – KMZ Routing (All site area)

Route 1

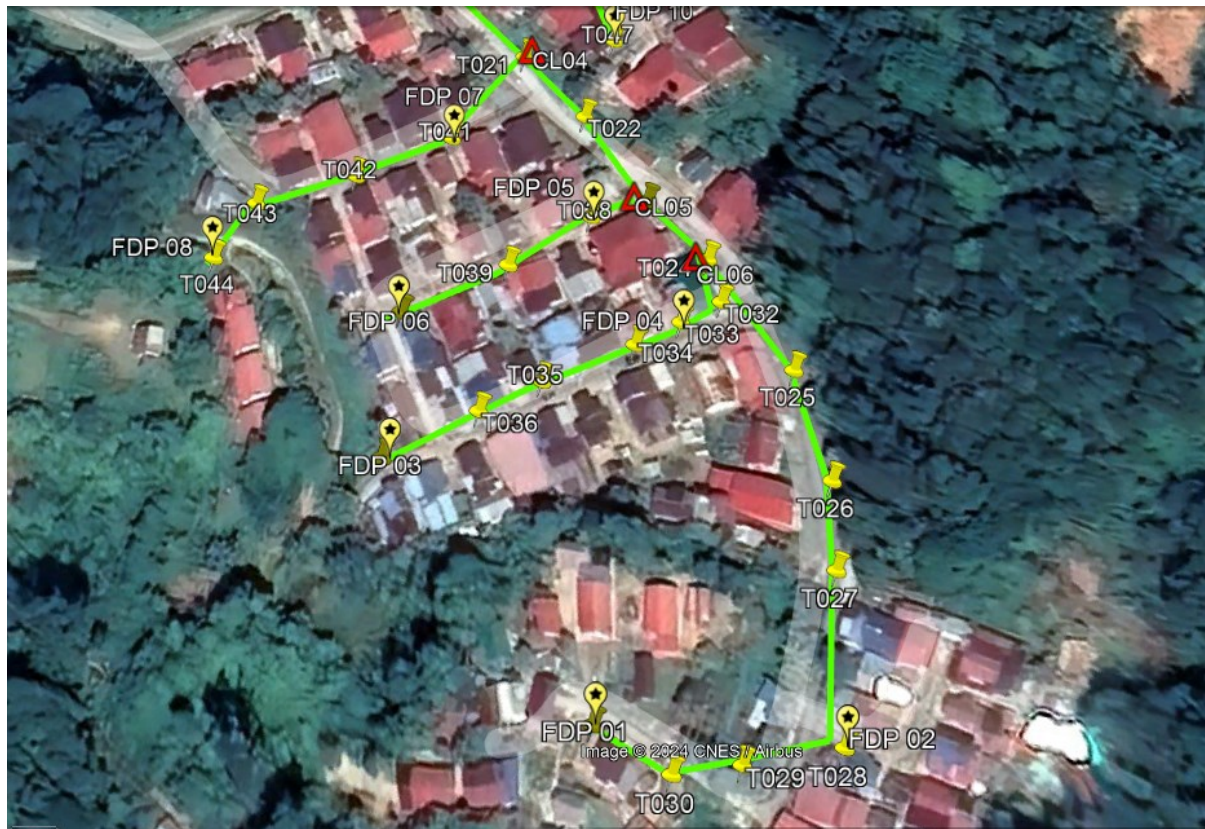
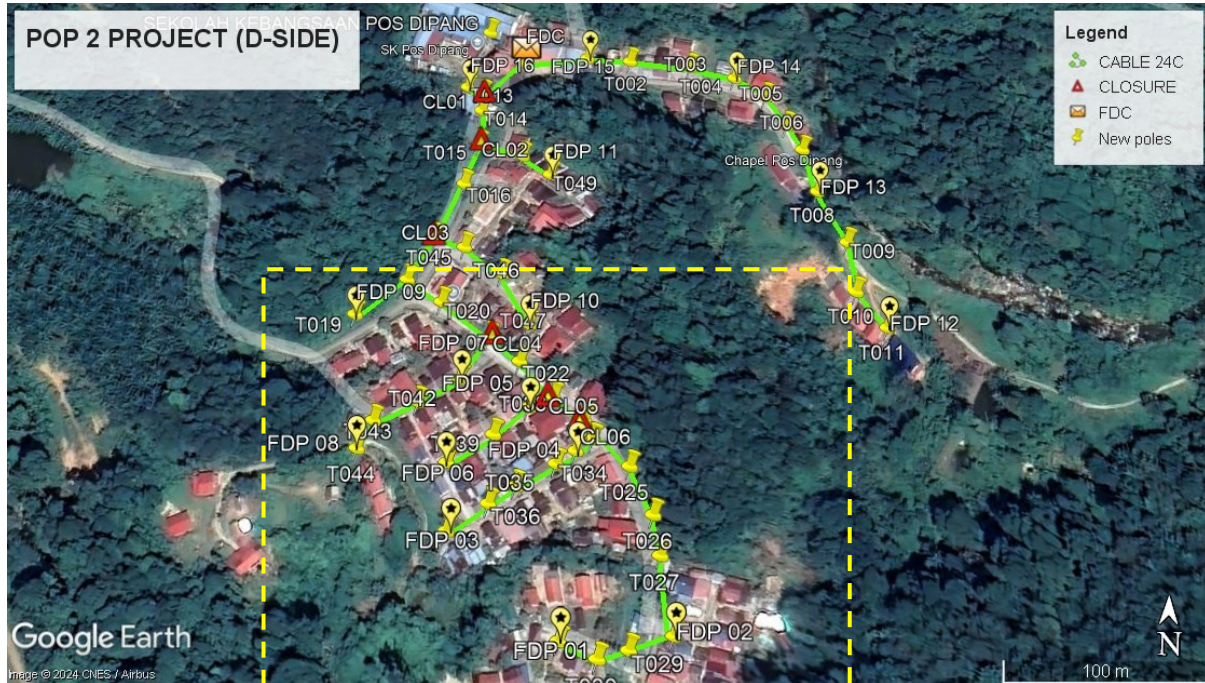


Route 1.1



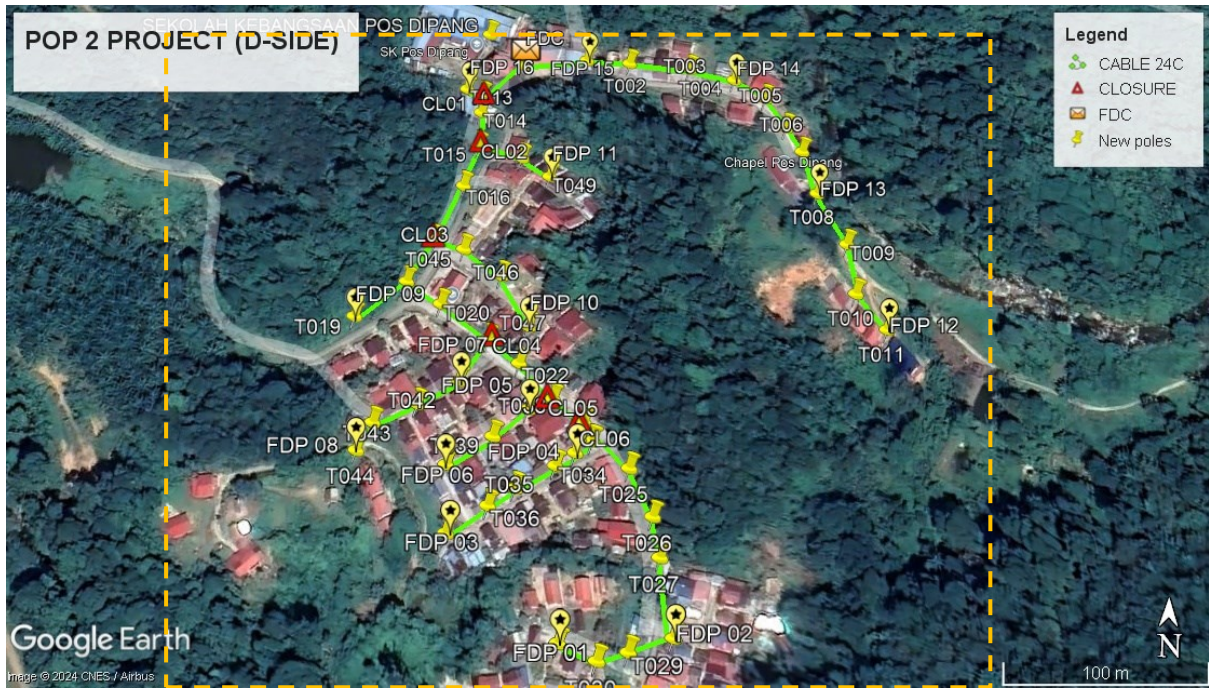
**Route 1.2**

Route 2



Route 2.1

**Site Plan – KMZ Routing (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))



**Overall Pole (Proposed New)**

No.	Pole & Manhole ID	Distance	Latitude	Longitude	Local Authority
1	T000	0.00	4.371431363	101.2475439	Majlis Perbandaran Kampar
2	T001	38.18	4.371469301	101.2478847	Majlis Perbandaran Kampar
3	T002	25.66	4.371456393	101.2481148	Majlis Perbandaran Kampar
4	T003	36.00	4.371429325	101.248437	Majlis Perbandaran Kampar
5	T004	27.24	4.371367355	101.2486738	Majlis Perbandaran Kampar
6	T005	21.97	4.371257618	101.2488378	Majlis Perbandaran Kampar
7	T006	22.51	4.371084672	101.2489426	Majlis Perbandaran Kampar
8	T007	17.96	4.370943922	101.2490214	Majlis Perbandaran Kampar
9	T008	27.94	4.370702425	101.2490899	Majlis Perbandaran Kampar
10	T009	34.87	4.370421536	101.2492286	Majlis Perbandaran Kampar
11	T010	29.98	4.370154015	101.2492595	Majlis Perbandaran Kampar
12	T011	25.99	4.369968698	101.2494014	Majlis Perbandaran Kampar
13	T012	269.68	4.371237551	101.2473377	Majlis Perbandaran Kampar
14	T013	10.08	4.371272852	101.2472543	Majlis Perbandaran Kampar
15	T014	18.15	4.371133147	101.2473384	Majlis Perbandaran Kampar
16	T015	22.34	4.370932421	101.2473382	Majlis Perbandaran Kampar
17	T016	26.94	4.370698226	101.2472772	Majlis Perbandaran Kampar
18	T017	36.68	4.370390738	101.2471587	Majlis Perbandaran Kampar
19	T018	29.06	4.370161024	101.2470346	Majlis Perbandaran Kampar
20	T019	34.16	4.36996961	101.2467948	Majlis Perbandaran Kampar
21	T020	47.29	4.370045164	101.2472128	Majlis Perbandaran Kampar
22	T021	33.62	4.369869441	101.2474584	Majlis Perbandaran Kampar

23	T022	22.16	4.369748638	101.2476166	Majlis Perbandaran Kampar
24	T023	27.10	4.369574592	101.2477868	Majlis Perbandaran Kampar
25	T024	20.87	4.369464048	101.2479382	Majlis Perbandaran Kampar
26	T025	34.26	4.36924859	101.2481579	Majlis Perbandaran Kampar
27	T026	27.82	4.369025471	101.2482705	Majlis Perbandaran Kampar
28	T027	20.82	4.368841634	101.2483049	Majlis Perbandaran Kampar
29	T028	39.55	4.368492144	101.2483687	Majlis Perbandaran Kampar
30	T029	23.21	4.368426583	101.2481708	Majlis Perbandaran Kampar
31	T030	16.02	4.368386362	101.2480326	Majlis Perbandaran Kampar
32	T031	20.83	4.368456848	101.2478593	Majlis Perbandaran Kampar
33	T032	102.99	4.369373914	101.2479815	Majlis Perbandaran Kampar
34	T033	10.91	4.369315581	101.2479027	Majlis Perbandaran Kampar
35	T034	12.24	4.369251535	101.2478133	Majlis Perbandaran Kampar
36	T035	23.82	4.369141215	101.24763	Majlis Perbandaran Kampar
37	T036	16.36	4.369056567	101.2475099	Majlis Perbandaran Kampar
38	T037	25.12	4.368925541	101.2473262	Majlis Perbandaran Kampar
39	T038	76.52	4.369520679	101.2476701	Majlis Perbandaran Kampar
40	T039	23.24	4.369384408	101.2475119	Majlis Perbandaran Kampar
41	T040	28.04	4.369243638	101.247303	Majlis Perbandaran Kampar
42	T041	45.71	4.369653138	101.2473333	Majlis Perbandaran Kampar
43	T042	25.12	4.369532493	101.2471426	Majlis Perbandaran Kampar
44	T043	25.00	4.369436426	101.2469396	Majlis Perbandaran Kampar
45	T044	16.75	4.369300214	101.2468756	Majlis Perbandaran Kampar
46	T045	125.54	4.37034301	101.2473051	Majlis Perbandaran Kampar

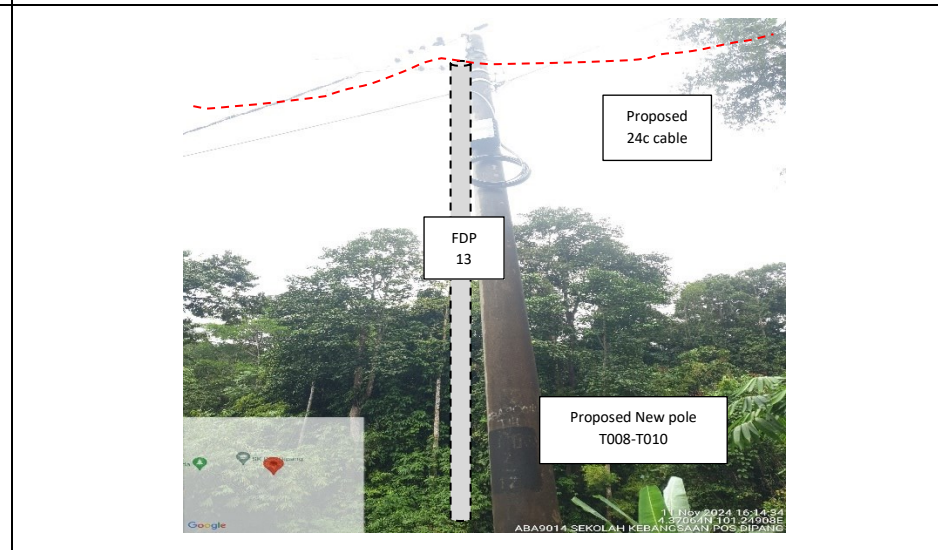
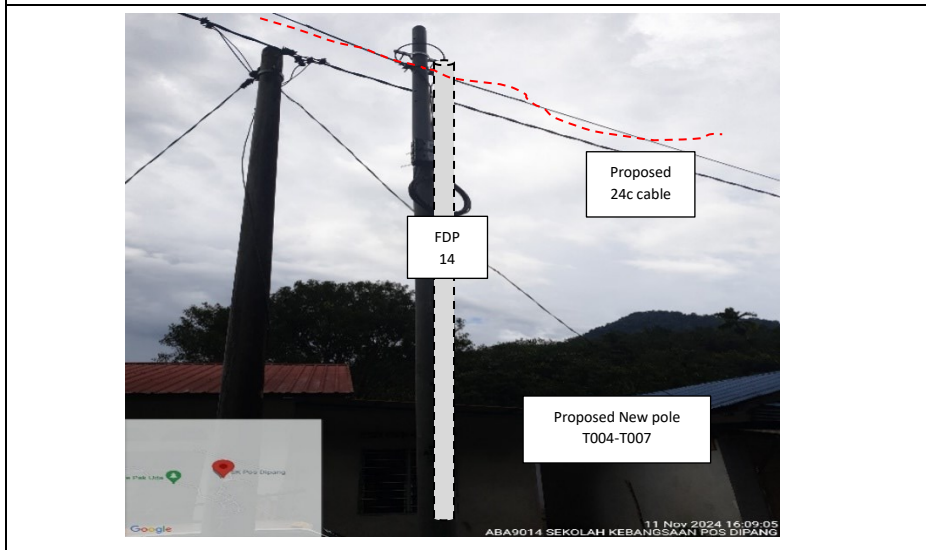
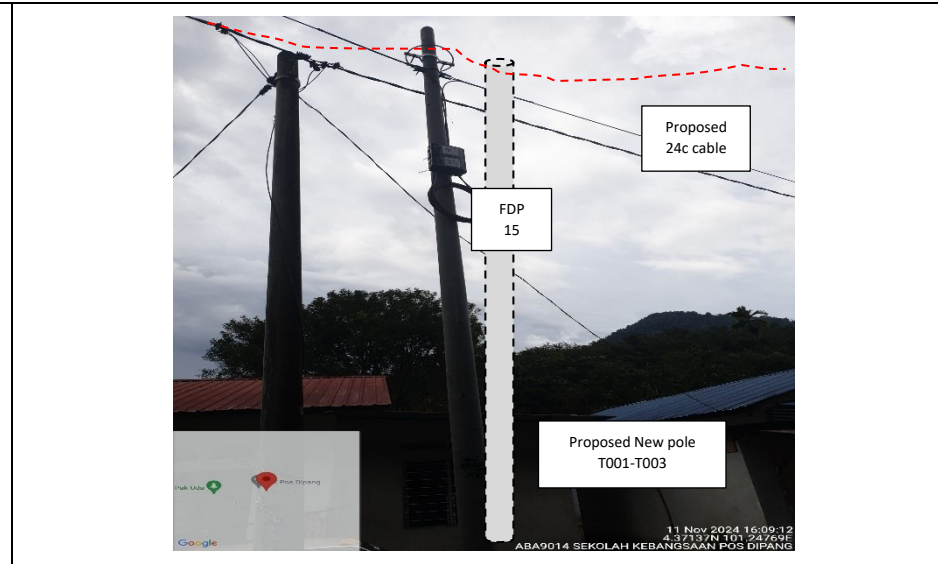
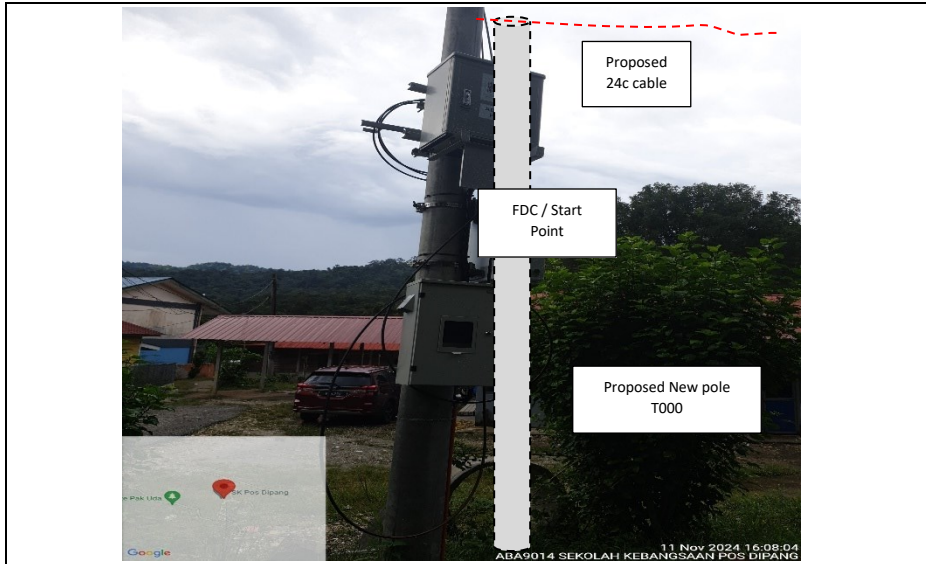


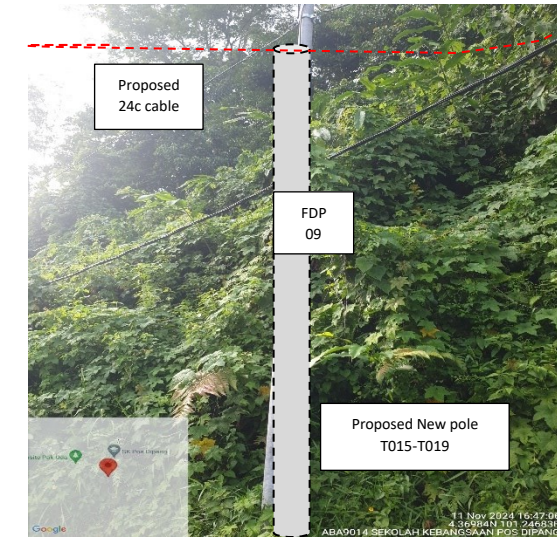
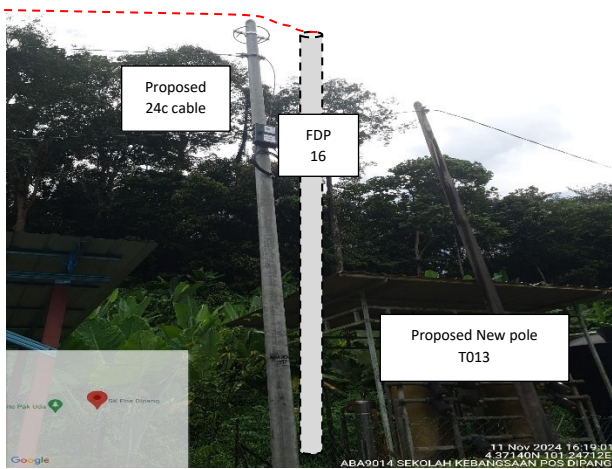
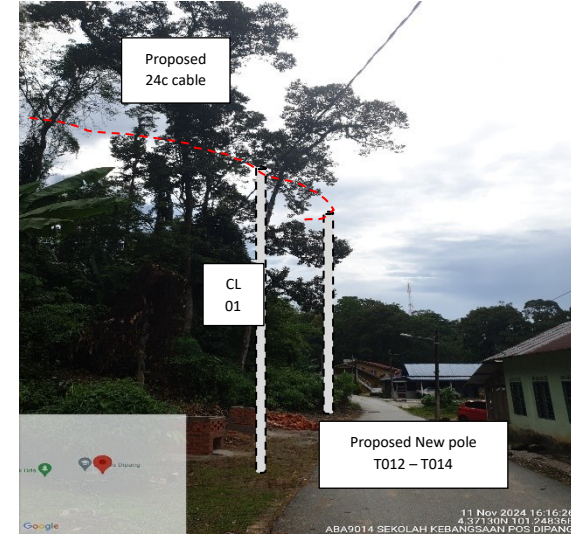
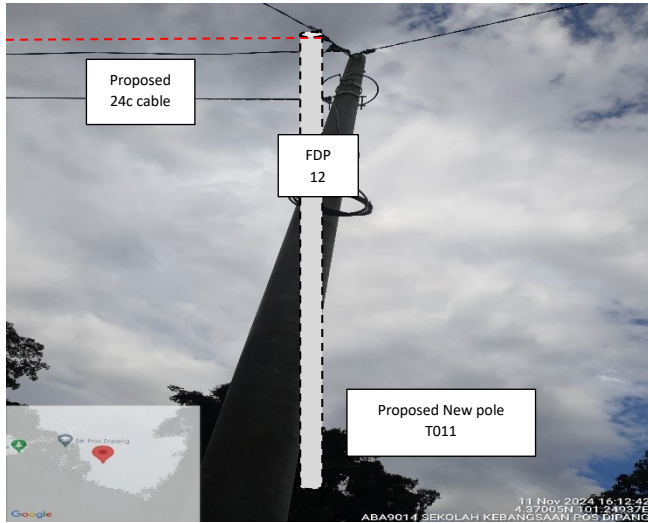
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))

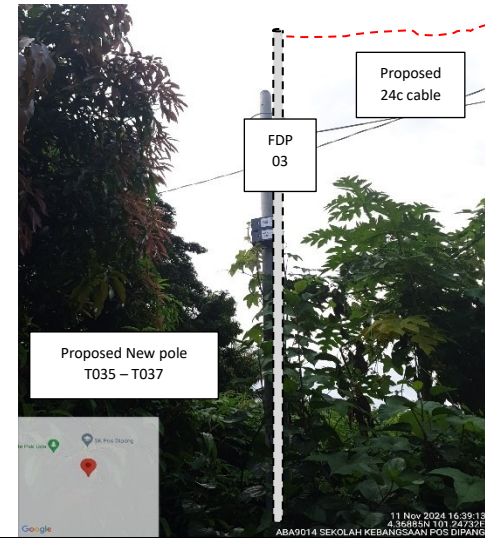
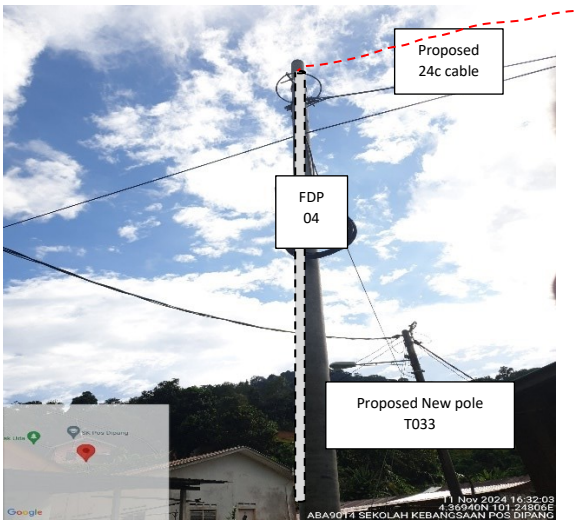
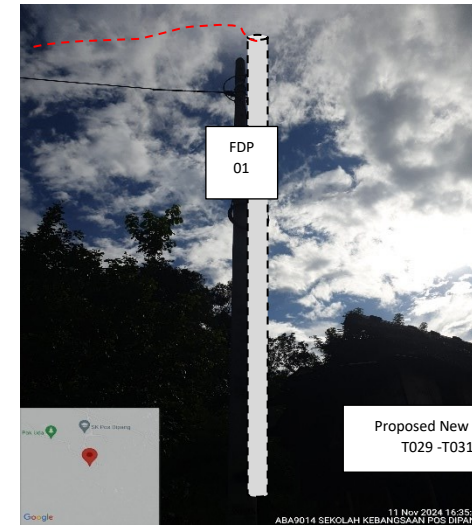
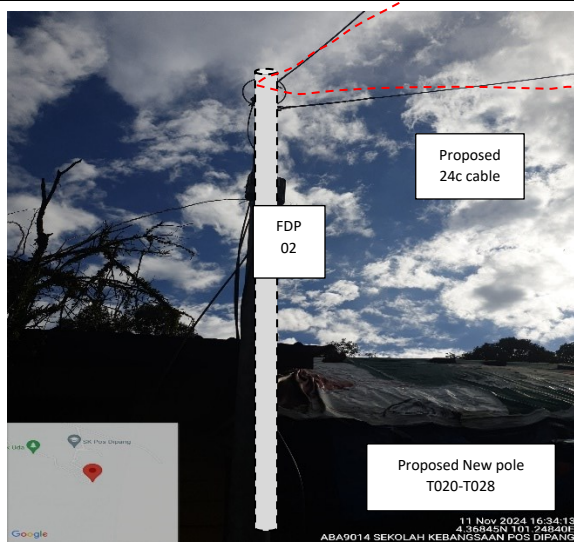


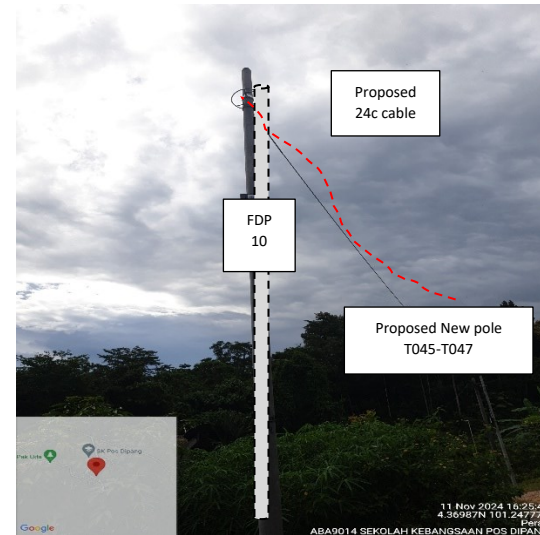
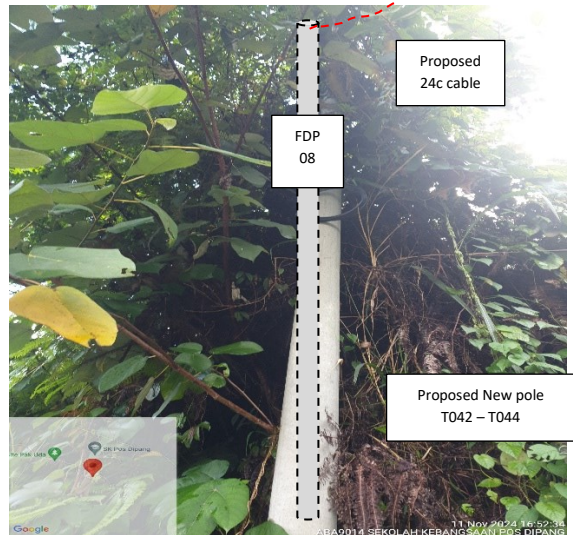
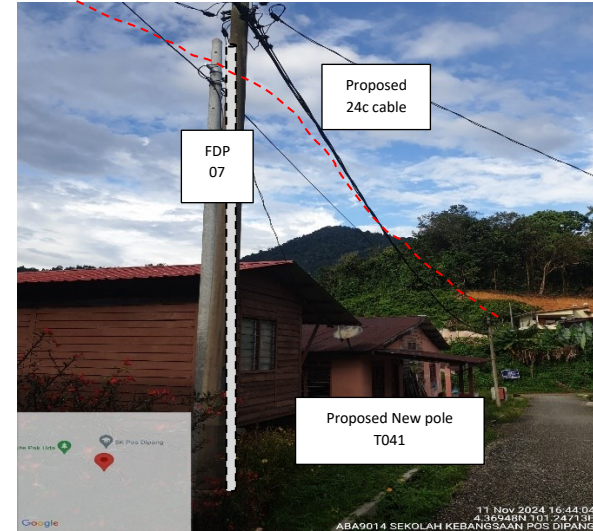
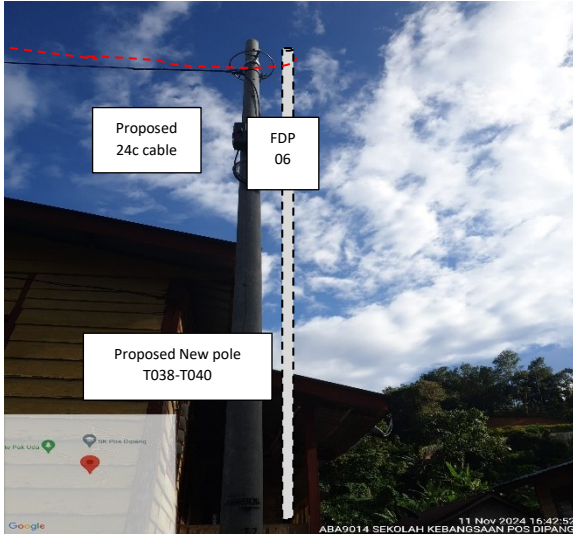
47	T046	26.80	4.370202985	101.2475009	Majlis Perbandaran Kampar
48	T047	33.66	4.369939371	101.2476491	Majlis Perbandaran Kampar
49	T048	103.80	4.370868262	101.2475679	Majlis Perbandaran Kampar

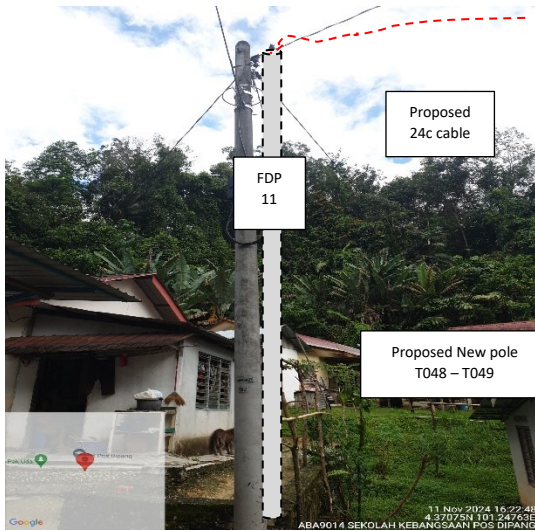
Site Photos – Proposed to install pole













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))



### 3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	Majlis Perbandaran Kampar	
2		
3		
4		
5		
6		



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.		
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		ES30 New Manhole (PIT)		Micro-Trenching (Meter)		MH1 MH NO.
24C FOC	125	Installed Patch Cord		Installed Pole (7.5M)	49	Tension		ES7 New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1 Existing TNB Pole NO.
48C FOC		FDC	1	Installed Pole (6.7M)		Pole Ring		FDP Boundary		Loop / Coil (Meter)		P001 New Pole NO.
96C FOC		Closure	6	Existing TNB Pole		FDP with (1:8) splitter	16	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 :

KEY PLAN :  
  
POP2 PROJECT IN PERAK

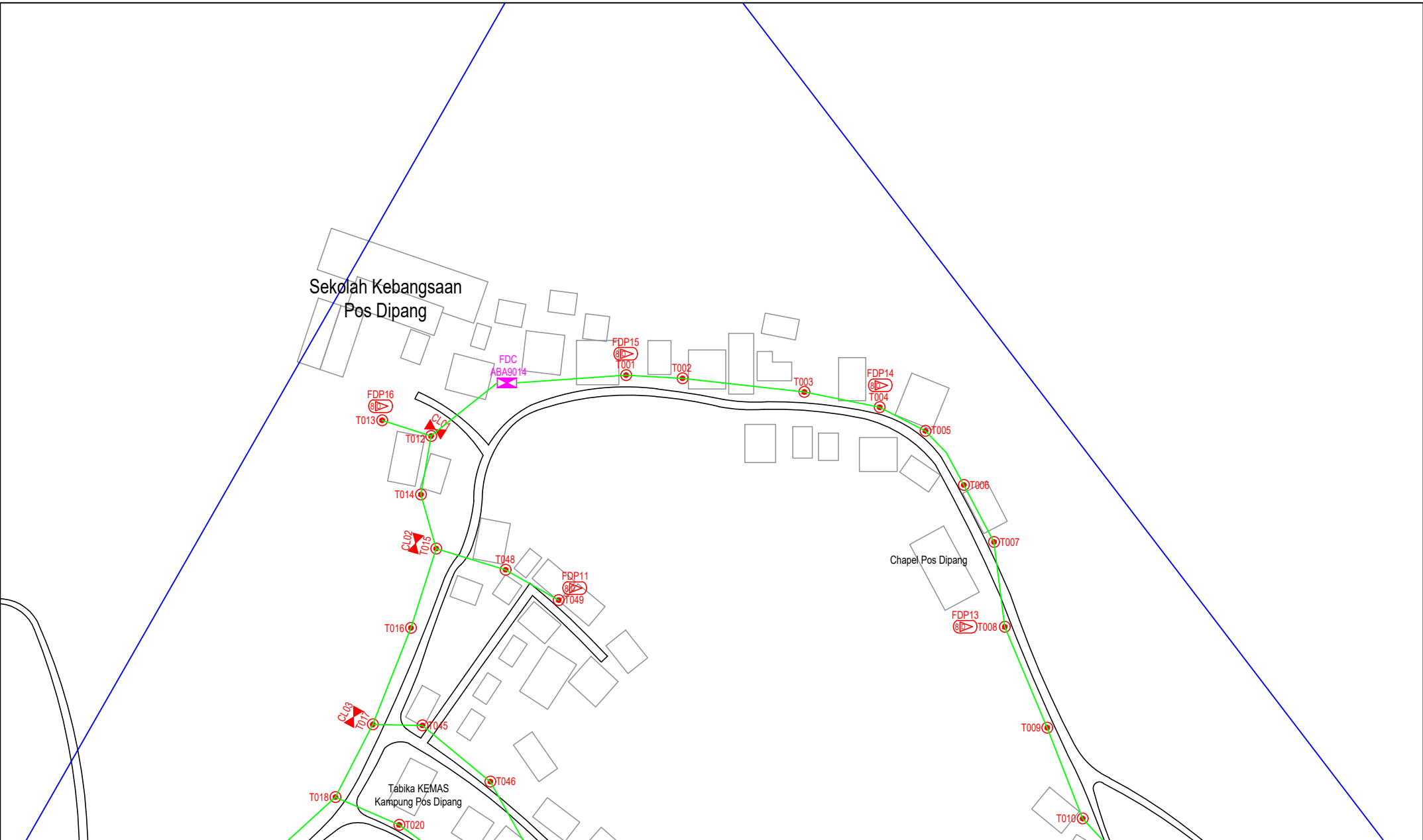
OWNER/DEVELOPER :



MAN CONTRACTOR :  
  
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

PROJECT TITLE :  
  
DRAWING TITLE:  
AS-BUILT SITE PLAN DRAWING  
ABA9014  
SEKOLAH KEBANGSAAN POS DIPANG  
  
PROJECT PHASE:  
POP 2

Design By : ENGINEER	Date : NOV 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABA9014-ABD-01	Sheet : 1/3
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Size : A3	



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.			
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		BS30 New Manhole (PIT)		Micro-Trenching (Meter)		MH1 MH NO.
24C FOC	125	Installed Patch Cord		Installed Pole (7.5M)	49	Tension		BS7 New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1 Existing TNB Pole NO.
48C FOC		FDC	1	Pole Ring		FDP Boundary		FDP		Loop / Coil (Meter)		P001 New Pole NO.
96C FOC		Closure	6	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)		# Active Outdoor Cabinet		CL01 Closure NO.
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		CO1 FDC NO.		DP1 FDP NO.

ACTUAL HOMEPASS :

KEY PLAN :  
**POP2 PROJECT IN PERAK**

OWNER/DEVELOPER :  
**APEX COMMUNICATIONS SDN BHD**

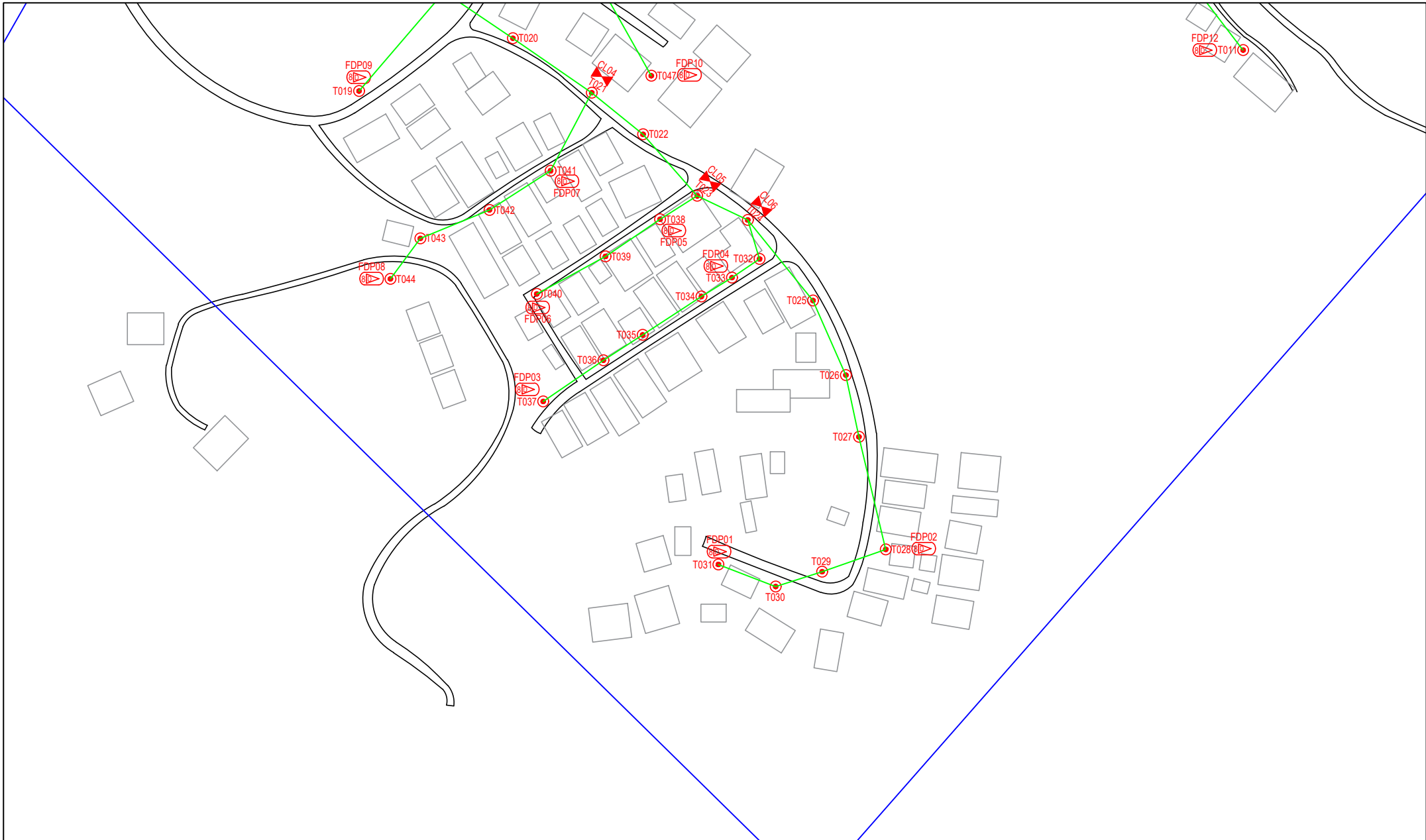
MAIN CONTRACTOR :  
**WCWL COMMUNICATIONS SDN BHD**

PROJECT TITLE :  
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

DRAWING TITLE:  
**AS-BUILT SITE PLAN DRAWING ABA9014 SEKOLAH KEBANGSAAN POS DIPANG**

PROJECT PHASE:  
**POP 2**

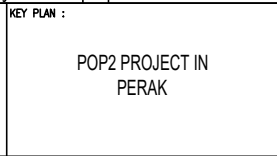
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Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : <b>ABA9014-ABD-01A</b>	Sheet : <b>2/3</b>
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Size : <b>A3</b>	



LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.		
12C FOC		Installed 1:4 / 1:8 / 1:32 splitter		Installed Pole (9m)		Suspension		BE30 New Manhole (PIT)		Micro-Trenching (Meter)		MH1 MH NO.
24C FOC	125	Installed Patch Cord		Installed Pole (7.5M)	49	Tension		BE7 New Manhole(JRC7)		Temporary Infra (Meter)		TKS-1 Existing TNB Pole NO.
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96C FOC		Closure	6	Existing TNB Pole		FDP with (1:8) splitter	16	HDD (Meter)		# Active Outdoor Cabinet		CL01 Closure NO.
144C FOC		Existing Closure		Installed Riser		Existing Manhole		Open Cut (Meter)		001 FDC NO.		DP1 FDP NO.

ACTUAL HOMEPASS :

KEY PLAN :  
POP2 PROJECT IN PERAK



OWNER/DEVELOPER :



MAIN CONTRACTOR :  
CONTRACTOR FOR SURVEY, TECHNICAL PROPOSAL AND WAYLEAVE, & PERMIT APPROVAL - POP2 PROJECT

PROJECT TITLE :  
DRAWING TITLE:  
AS-BUILT SITE PLAN DRAWING  
ABA9014  
SEKOLAH KEBANGSAAN POS DIPANG

Design By : ENGINEER	Date : NOV 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : ABA9014-ABD-01B	Sheet : 3/3
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