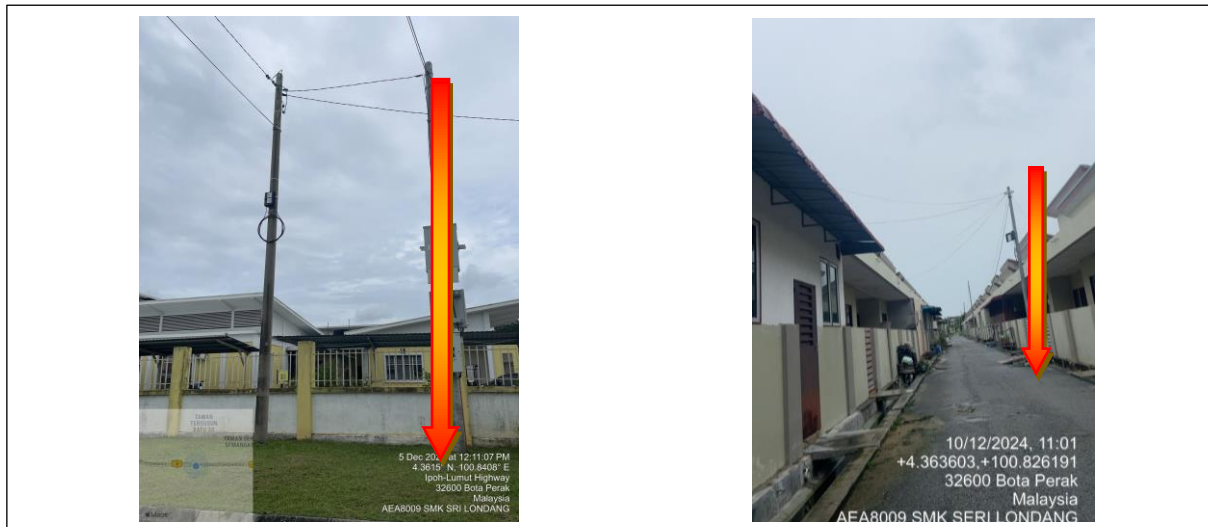


## TECHNICAL PROPOSAL POP2 AEA8009 SEKOLAH MENENGAH KEBANGSAAN SERI LONDANG (D-SIDE)

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	:	09/12/2024



**POINT A**

**POINT B**

**Starting Point**

Site / Boundary Name	:	SEKOLAH MENENGAH KEBANGSAAN SERI LONDANG
Address	:	34 Lorong Dahlia 3, Bota,
District	:	Perak Tengah
Postcode	:	32600
State	:	Perak
GPS Coordinate	:	4.36358, 100.823
LRD	:	A

**End Point**

Site / Boundary Name	:	SEKOLAH MENENGAH KEBANGSAAN SERI LONDANG
Address	:	27 Jalan Suria Indah 5, Bota,
District	:	Perak Tengah
Postcode	:	32600
State	:	Perak
GPS Coordinate	:	4.36394,100.826
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	<b>60</b>
2	Carriage Way Open trench (CW)	m	<b>0</b>
3	Grass Verge Open Trenching (GV)	m	<b>0</b>
4	Micro trenching (MT)	m	<b>0</b>
	Total		<b>60</b>

	Other Information	Unit	Qty
1	Proposed Manhole	EA	<b>2</b>
2	Proposed Pole	EA	<b>57</b>
3	Joint Closure	EA	<b>3</b>
4	Estimated time required for completion	days	<b>30</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))



### Local Authority Summary

#### 1. Daerah Perak Tengah

Bil	Items	Owner	Quantity	Distance(m)
1	HDD	JKR	1	60m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	-	-
		Majlis	57pcs	1842m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				1902m

Site Plan – KMZ (Overview site area)

Proposed FDP and Closure



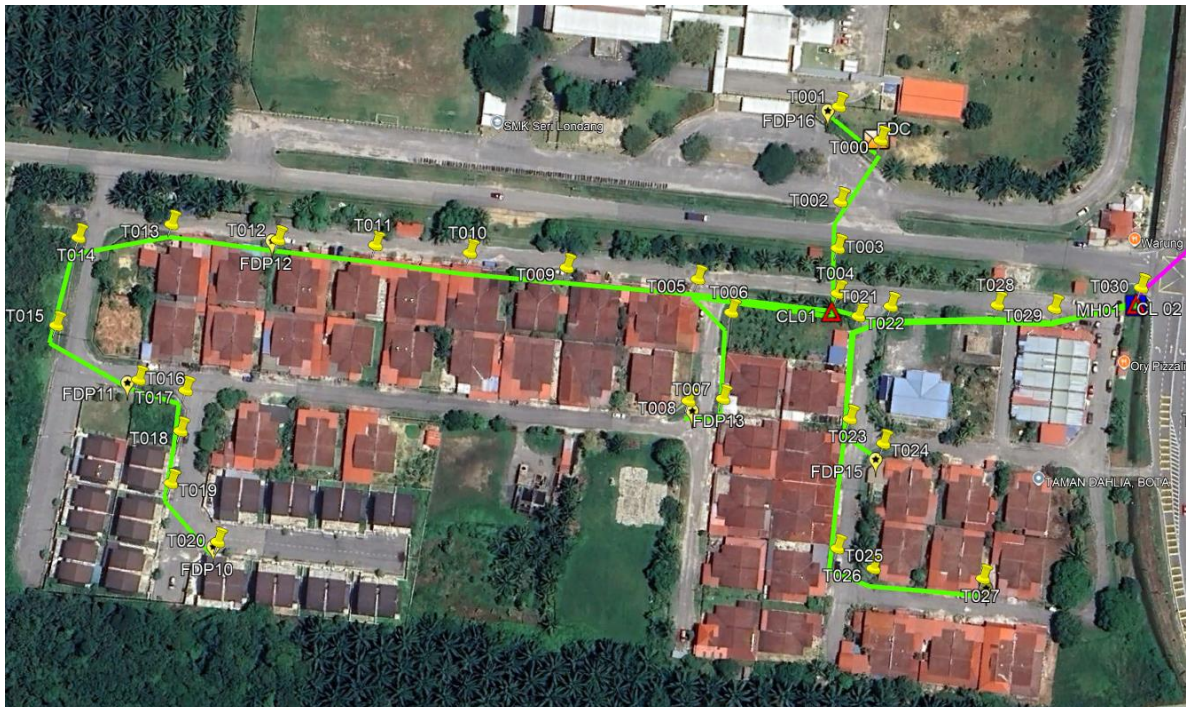
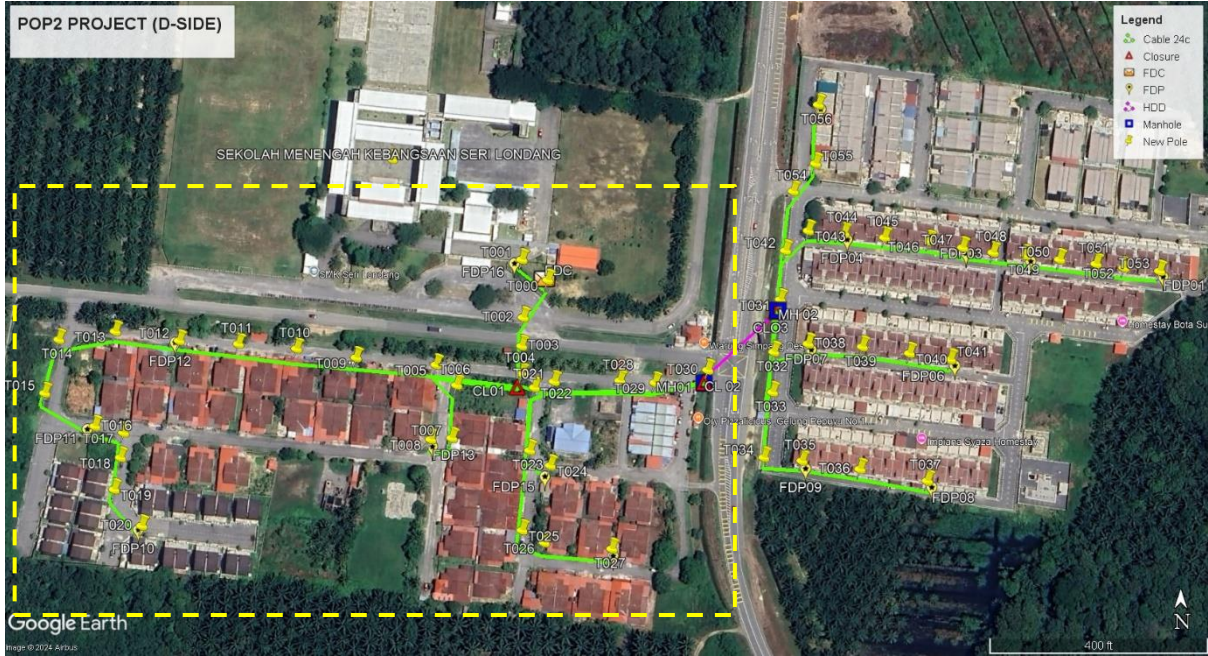
Proposed New Pole





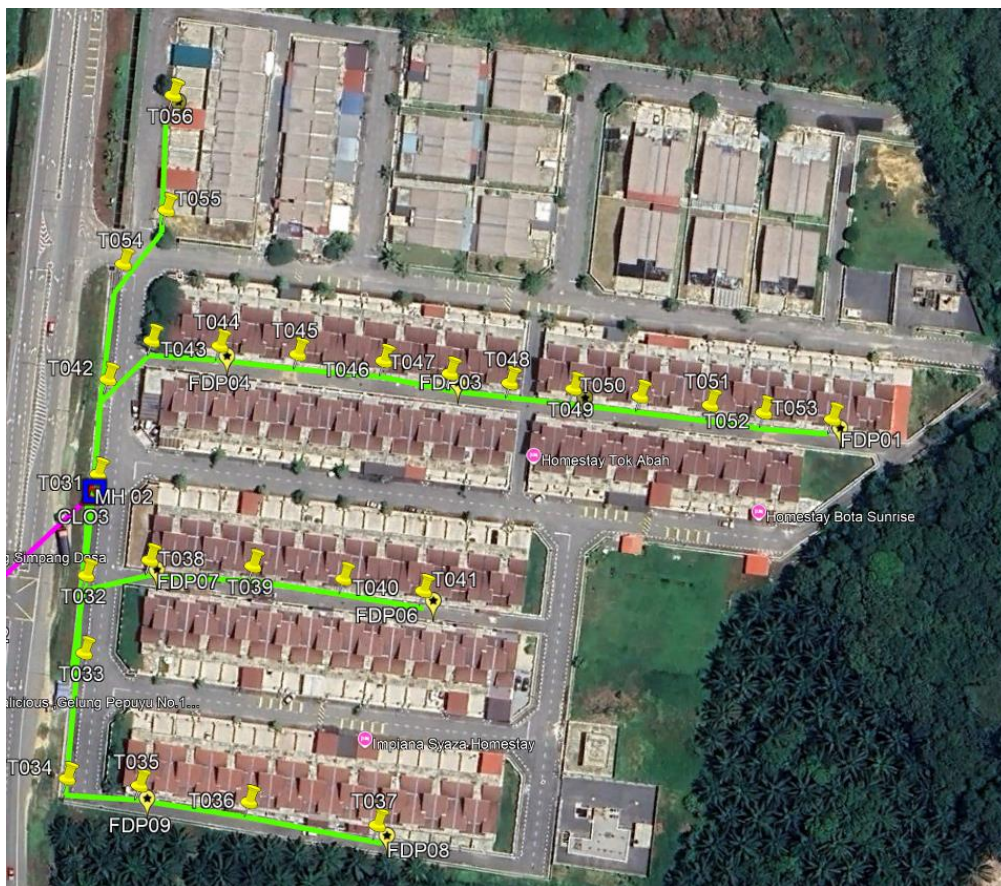
Site Plan – KMZ Routing (All site area)

Route 1



Route 1.1

**Route 2**



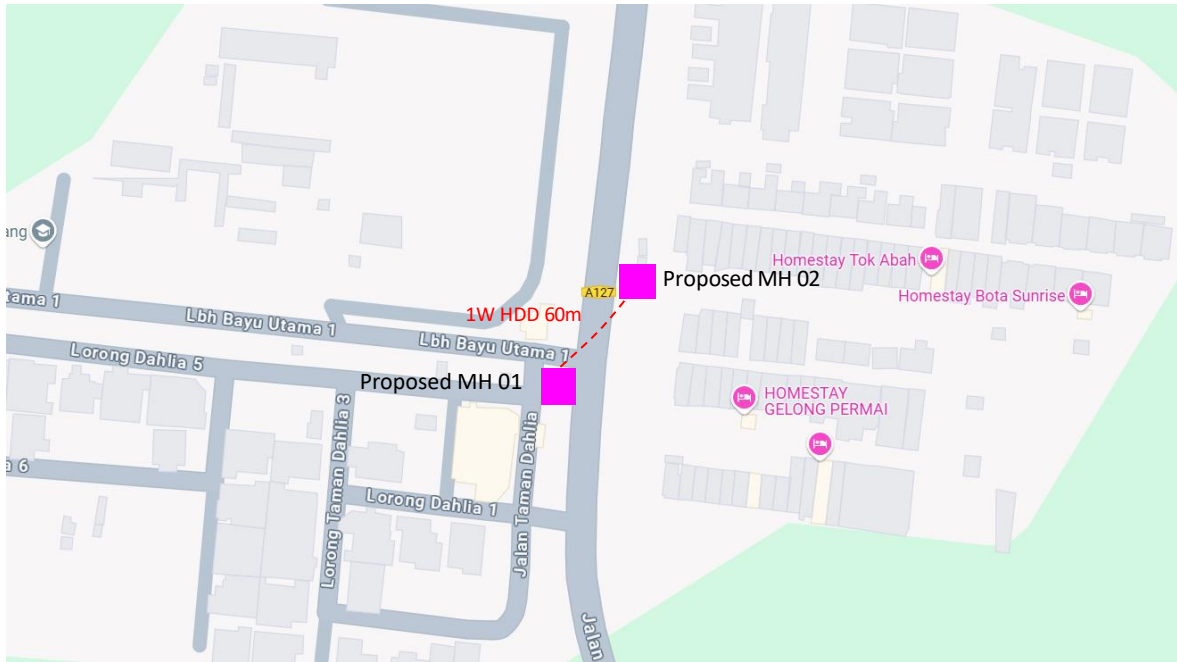
**Route 2.1**

Site Plan – KMZ Routing (Proposed New Manhole)



Figure 1: Manhole 1 (4.363172, 100.823906) & Manhole 2 (4.363547, 100.824286)

**Site Plan – Google Map (routing plan, Manhole)**



**Proposed New Manhole Lat & Long Table**

POLE NUMBER	PROPOSED MANHOLE COORDINATE	
	LATITUDE	LONGITUDE
MH01	4.363172	100.823906
MH02	4.363547	100.824286

**Overall Pole (Proposed New)**

No.	Pole ID	Distance (M)	Latitude	Longitude	Local Authority
1	FDC	0.00	4.363656674	100.8230776	Majlis Perbandaran Perak Tengah
2	T001	19.02	4.363762098	100.8229432	Majlis Perbandaran Perak Tengah
3	T002	33.36	4.36346246	100.8229499	Majlis Perbandaran Perak Tengah
4	T003	16.40	4.363315389	100.8229418	Majlis Perbandaran Perak Tengah
5	T004	15.93	4.363172287	100.822942	Majlis Perbandaran Perak Tengah
6	T005	49.89	4.363217804	100.8224962	Majlis Perbandaran Perak Tengah
7	T006	16.74	4.363112278	100.8226034	Majlis Perbandaran Perak Tengah
8	T007	30.72	4.362837586	100.8225774	Majlis Perbandaran Perak Tengah
9	T008	12.27	4.362830803	100.8224673	Majlis Perbandaran Perak Tengah
10	T009	64.10	4.363255098	100.822078	Majlis Perbandaran Perak Tengah
11	T010	34.80	4.363301267	100.8217688	Majlis Perbandaran Perak Tengah
12	T011	33.62	4.363325738	100.8214679	Majlis Perbandaran Perak Tengah
13	T012	34.58	4.3633426	100.8211576	Majlis Perbandaran Perak Tengah
14	T013	38.02	4.363391361	100.8208196	Majlis Perbandaran Perak Tengah
15	T014	33.23	4.363348972	100.8205241	Majlis Perbandaran Perak Tengah
16	T015	31.97	4.363070579	100.8204536	Majlis Perbandaran Perak Tengah
17	T016	34.81	4.362898457	100.8207147	Majlis Perbandaran Perak Tengah
18	T017	17.04	4.36286481	100.8208641	Majlis Perbandaran Perak Tengah
19	T018	14.48	4.362735802	100.8208473	Majlis Perbandaran Perak Tengah
20	T019	18.70	4.36257055	100.820817	Majlis Perbandaran Perak Tengah
21	T020	26.53	4.362384002	100.8209653	Majlis Perbandaran Perak Tengah
22	T021	252.94	4.363131477	100.8231109	Majlis Perbandaran Perak Tengah



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))



23	T022	11.98	4.363099979	100.8230081	Majlis Perbandaran Perak Tengah
24	T023	36.44	4.362773616	100.8229831	Majlis Perbandaran Perak Tengah
25	T024	14.77	4.362695647	100.8230905	Majlis Perbandaran Perak Tengah
26	T025	40.73	4.362360449	100.8229439	Majlis Perbandaran Perak Tengah
27	T026	14.69	4.362296604	100.8230594	Majlis Perbandaran Perak Tengah
28	T027	39.25	4.36226444	100.8234106	Majlis Perbandaran Perak Tengah
29	T028	97.10	4.363135662	100.8234524	Majlis Perbandaran Perak Tengah
30	T029	20.35	4.363124944	100.8236349	Majlis Perbandaran Perak Tengah
31	T030	31.49	4.363191026	100.82391	Majlis Perbandaran Perak Tengah
32	T031	58.04	4.363554423	100.824284	Majlis Perbandaran Perak Tengah
33	T032	30.30	4.36328429	100.8242507	Majlis Perbandaran Perak Tengah
34	T033	23.14	4.363076487	100.8242442	Majlis Perbandaran Perak Tengah
35	T034	37.80	4.362740076	100.8241982	Majlis Perbandaran Perak Tengah
36	T035	21.82	4.362723745	100.8243935	Majlis Perbandaran Perak Tengah
37	T036	33.15	4.362683555	100.8246886	Majlis Perbandaran Perak Tengah
38	T037	38.61	4.362625486	100.8250305	Majlis Perbandaran Perak Tengah
39	T038	103.12	4.363326026	100.8244244	Majlis Perbandaran Perak Tengah
40	T039	30.76	4.363311275	100.8247003	Majlis Perbandaran Perak Tengah
41	T040	27.06	4.363277458	100.8249411	Majlis Perbandaran Perak Tengah
42	T041	23.86	4.363245534	100.825153	Majlis Perbandaran Perak Tengah
43	T042	112.68	4.363807539	100.8243112	Majlis Perbandaran Perak Tengah
44	T043	17.38	4.363909993	100.824429	Majlis Perbandaran Perak Tengah
45	T044	20.38	4.363895144	100.8246115	Majlis Perbandaran Perak Tengah
46	T045	23.28	4.36387232	100.8248194	Majlis Perbandaran Perak Tengah

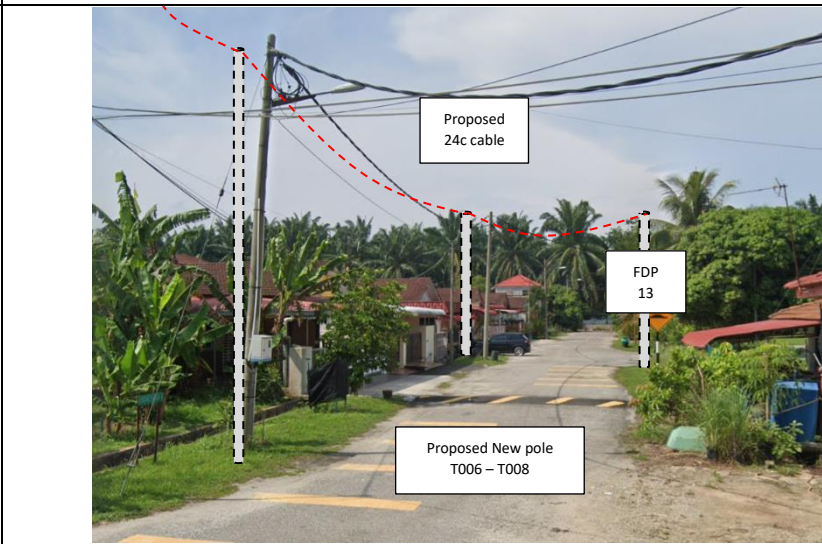
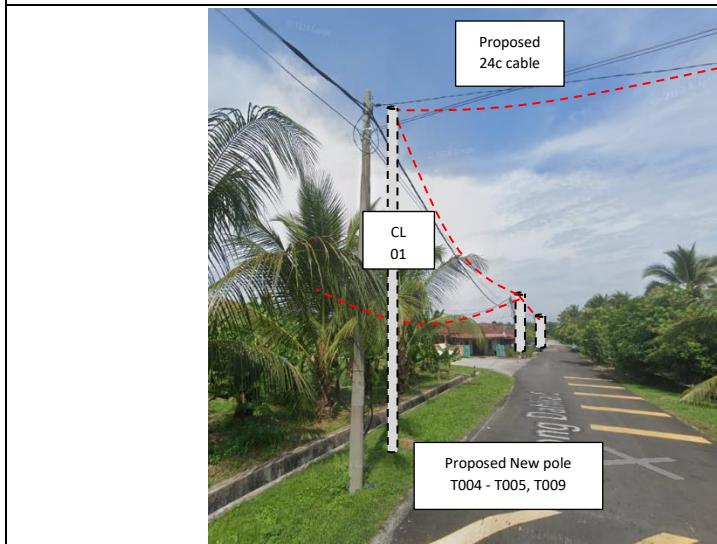
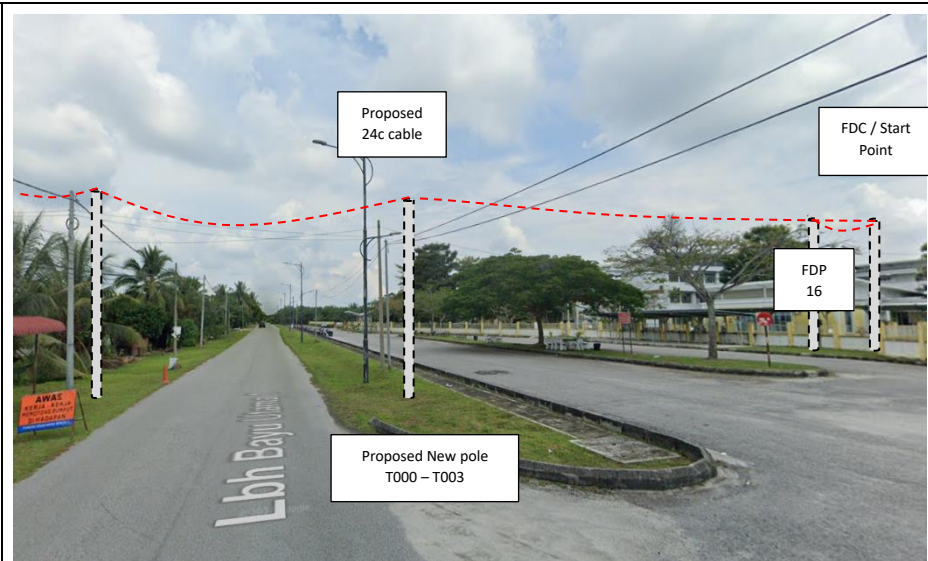
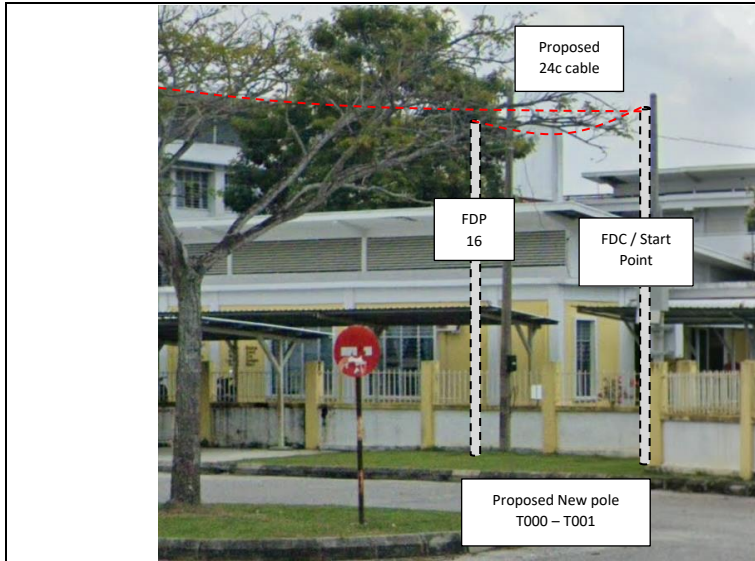


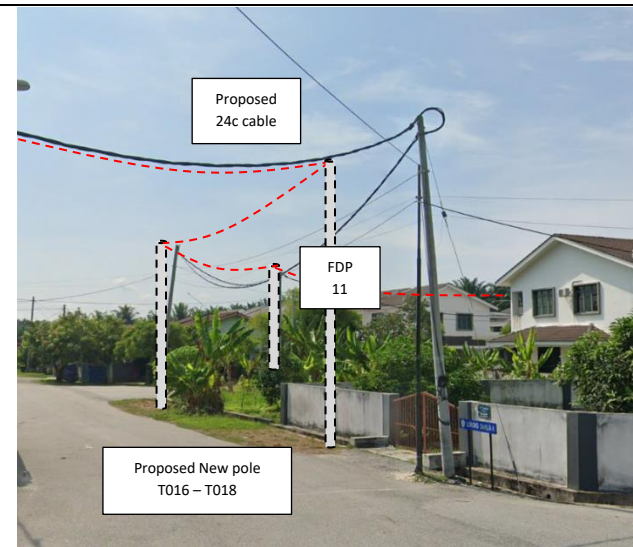
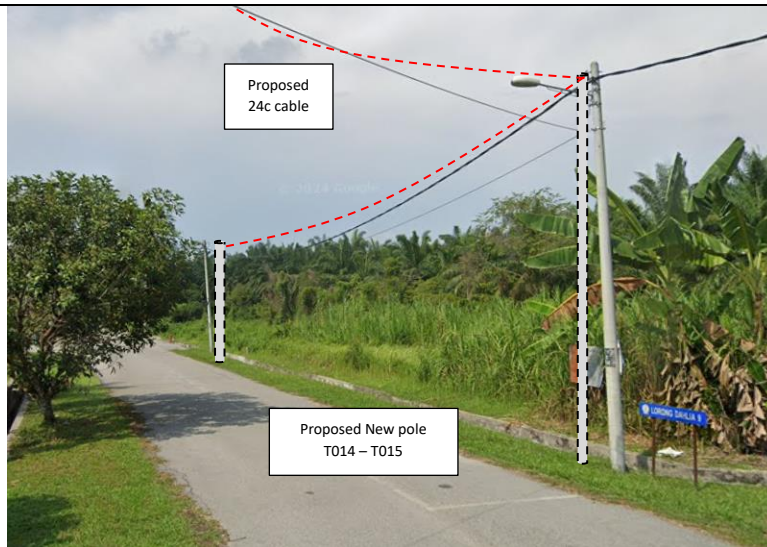
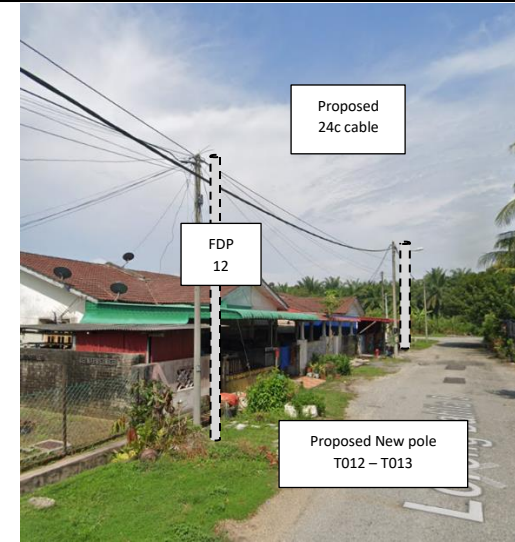
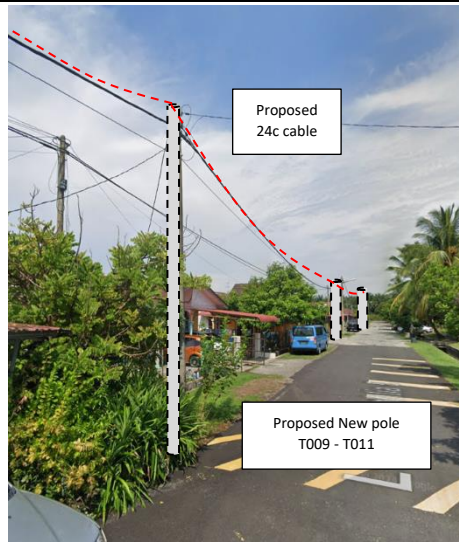
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))

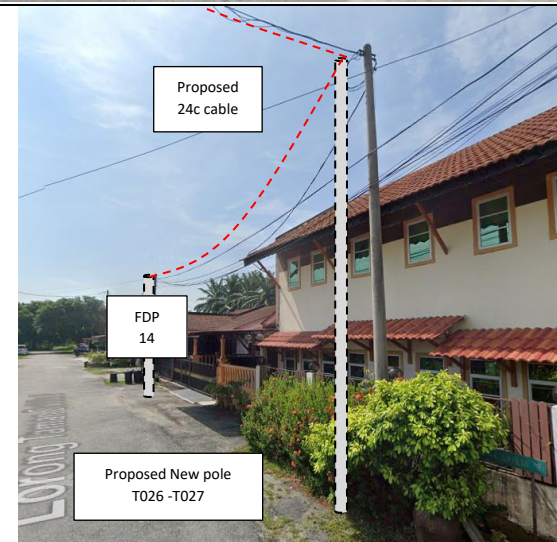
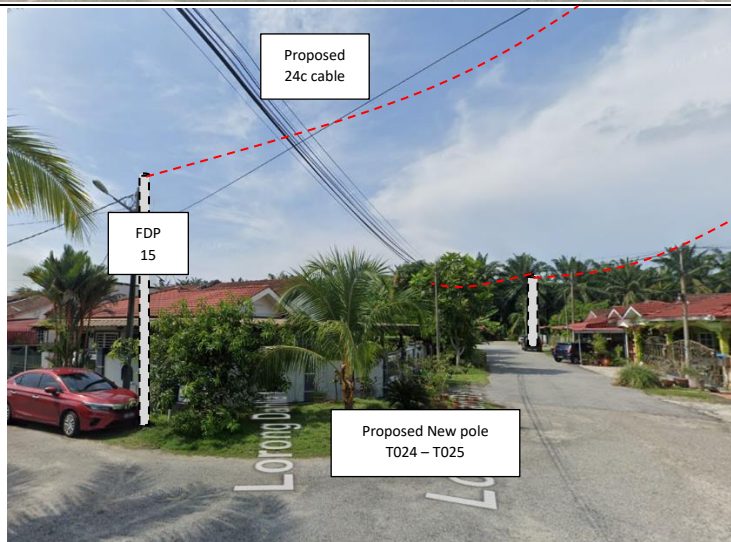
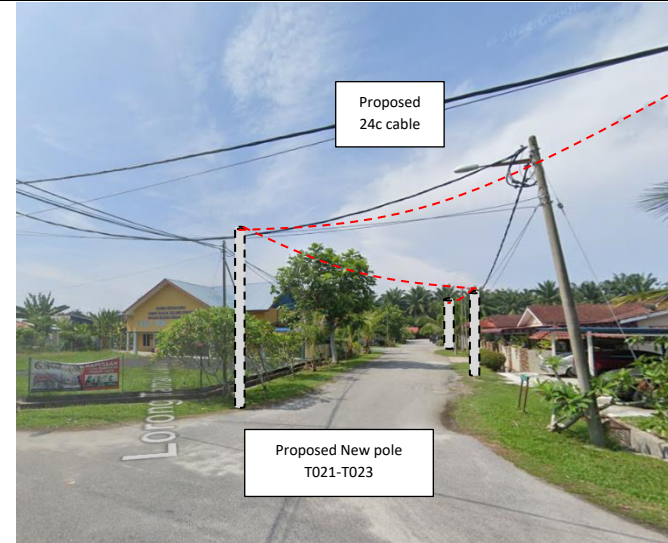
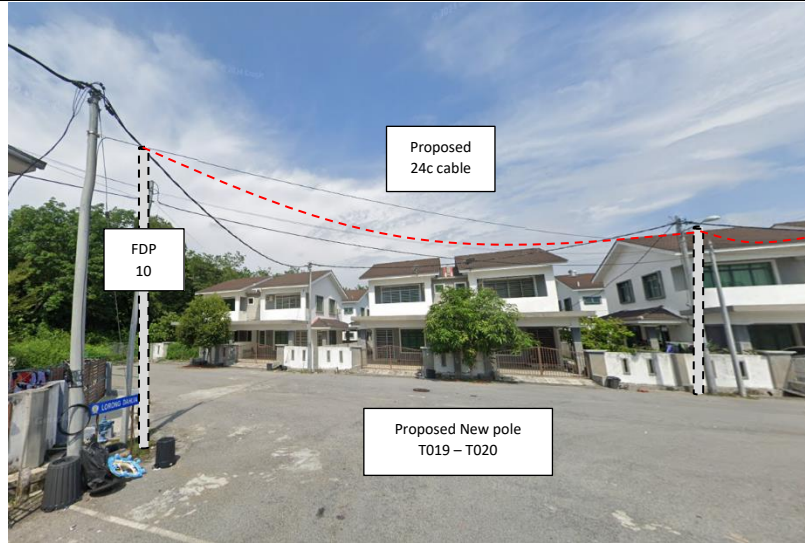


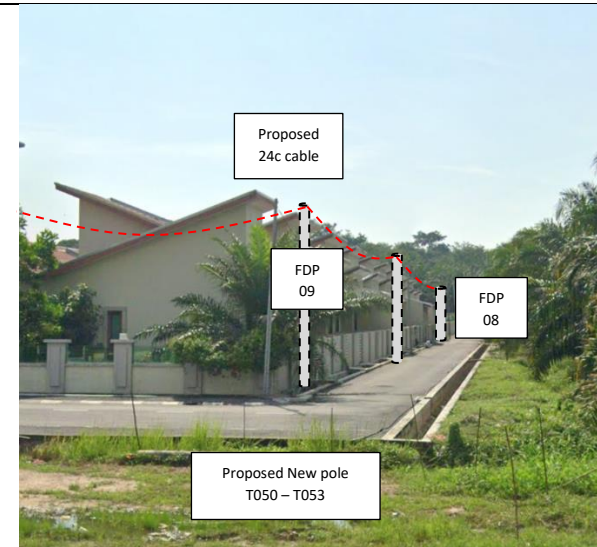
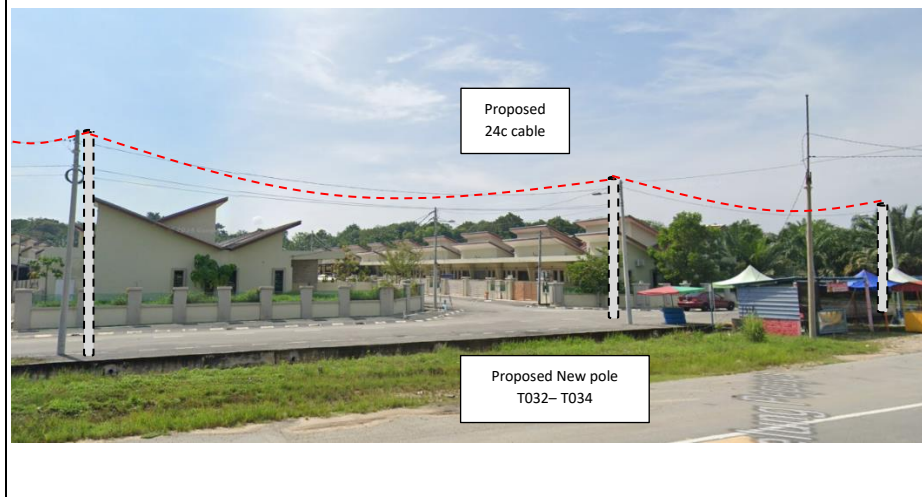
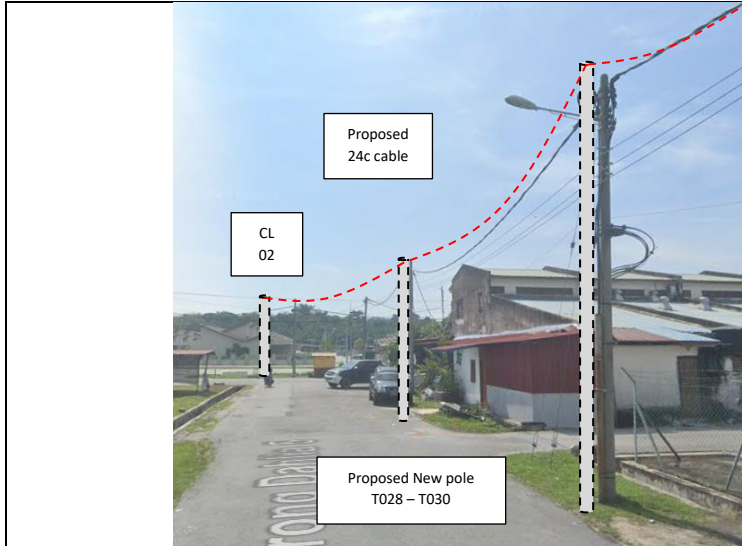
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48	T047	19.96	4.363821586	100.8252224	Majlis Perbandaran Perak Tengah
49	T048	18.03	4.363796892	100.8253841	Majlis Perbandaran Perak Tengah
50	T049	19.08	4.363782222	100.8255548	Majlis Perbandaran Perak Tengah
51	T050	20.03	4.363762036	100.8257336	Majlis Perbandaran Perak Tengah
52	T051	20.95	4.363738709	100.8259203	Majlis Perbandaran Perak Tengah
53	T052	15.89	4.363718636	100.8260616	Majlis Perbandaran Perak Tengah
54	T053	20.23	4.363700498	100.8262424	Majlis Perbandaran Perak Tengah
55	T054	215.40	4.364114694	100.8243523	Majlis Perbandaran Perak Tengah
56	T055	20.47	4.364257848	100.8244677	Majlis Perbandaran Perak Tengah
57	T056	34.12	4.36456388	100.8244852	Majlis Perbandaran Perak Tengah

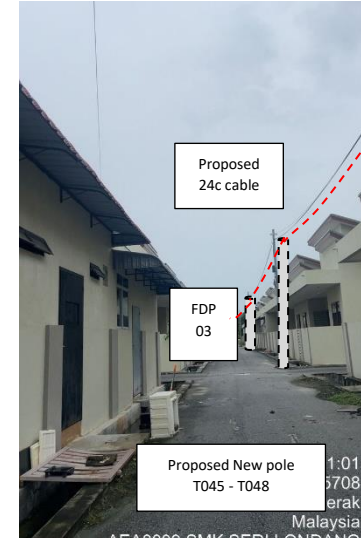
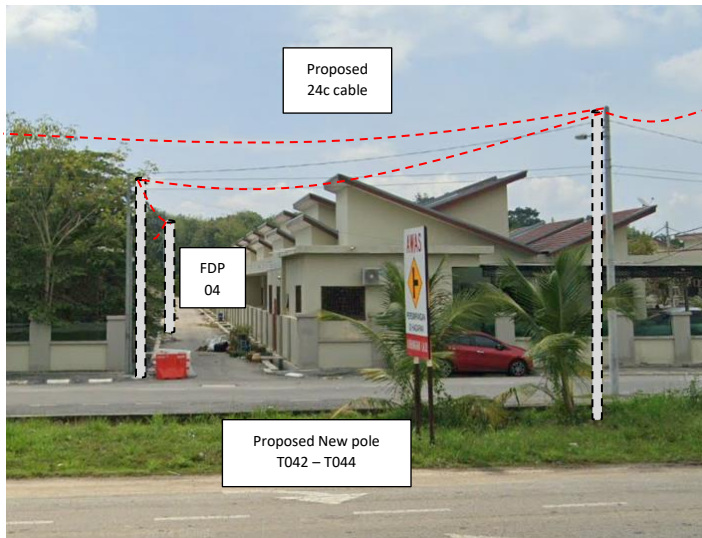
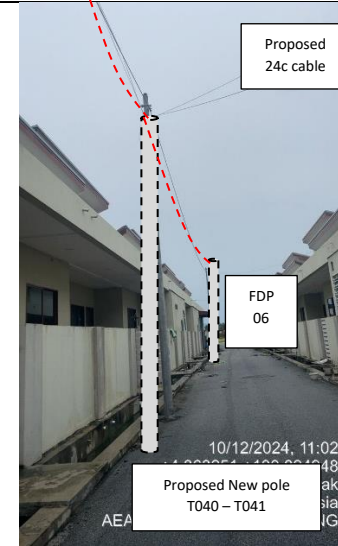
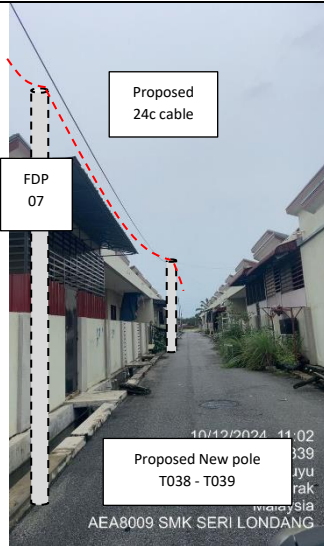
Site Photos – Proposed to install pole

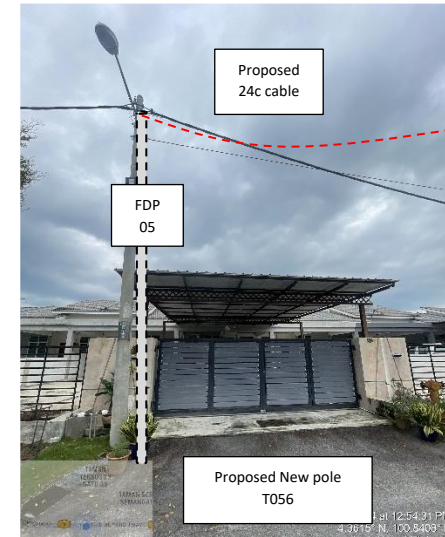
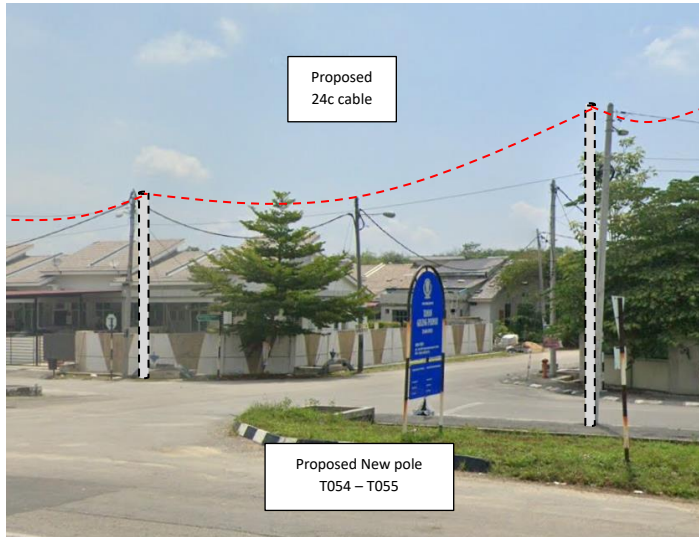
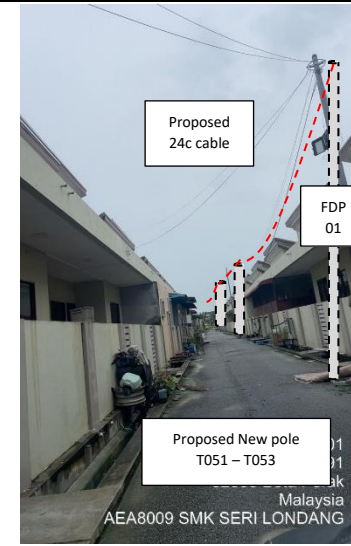
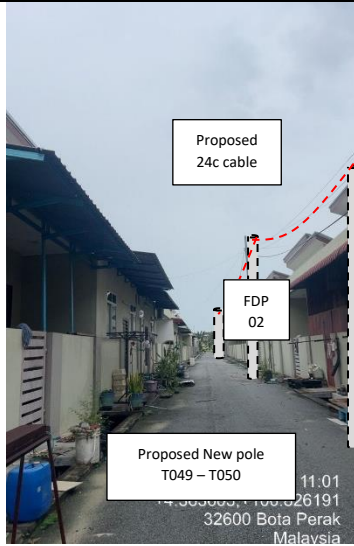














PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))



### 3rd Parties Dependencies

No.	Local Council/ Authority	Remark
1	JKR Perak Tengah	
2	Majlis Perbandaran Perak Tengah	
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)	MHI	MH NO.		
24C FOC	Installed Patch Cord	Installed Pole (7.5M)	Tension	ES7	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 :

KEY PLAN :  
  
POP2 PROJECT IN PERAK

OWNER/DEVELOPER :  
  
**APEX COMMUNICATIONS SDN BHD**  
12th FLOOR, 150/151A, HAP SENG,  
50250 JALAN P. MARLEE  
KUALA LUMPUR

MAIN CONTRACTOR :  
  
**WCWL COMMUNICATIONS SDN BHD**  
127, JALAN PAU 3/2, TAMAN PUNCAK JAYA,  
PANDAN PUTRA, PERAK,  
32000 SERI KEMBANGAN, SELANGOR  
TEL : +603 9558 9953  
E-MAIL : info@wcwlcommunications.com.my

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

DRAWING TITLE:  
AS-BUILT SITE PLAN DRAWING AEA8009  
SEKOLAH MENENGAH KEBANGSAAN SERI LONDANG  
PROJECT PHASE:  
POP 2

Design By : ENGINEER  
Date : DEC 2024  
Drawn By : CAD ENGINEER  
Scale : NOT TO SCALE  
Checked By : ENGINEER  
Job Number : 1  
DRAWING NUMBER : AEA8009-ABD-01A  
Sheet : 2/3  
THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF APEX COMMUNICATIONS SDN BHD  
Size : A3

Design By : ENGINEER  
Date : DEC 2024  
Drawn By : CAD ENGINEER  
Scale : NOT TO SCALE  
Checked By : ENGINEER  
Job Number : 1  
DRAWING NUMBER : AEA8009-ABD-01A  
Sheet : 2/3  
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Size : A3



ACTUAL HOMEPASS :

<b>LEGEND</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	<b>NOS.</b>	
12C FOC	1	Installed 1:4 / 1:8 / 1:32 splitter	1	Installed Pole (9m)	56	Suspension	1	New Manhole (PIT)	2	Micro-Trenching (Meter)	MH1	MH NO.
24C FOC	1902	Installed Patch Cord	1	Installed Pole (7.5M)	56	Tension	1	New Manhole(JRC7)	2	Temporary Infra (Meter)	TKS-1	Existing TNB Pole NO.
48C FOC	1	FDC	1	Installed Pole (6.7M)	56	Pole Ring	1	FDP Boundary	1	Loop / Coil (Meter)	PO01	New Pole NO.
96C FOC	3	Closure	3	Existing TNB Pole	16	FDP with (1:8) splitter	16	HDD (Meter)	60	Active Outdoor Cabinet	CL01	Closure NO.
144C FOC	1	Existing Closure	1	Installed Riser	1	Existing Manhole	1	Open Cut (Meter)	60	FDC NO.	DP1	FDP NO.

KEY PLAN :

POP2 PROJECT IN PERAK

OWNER/DEVELOPER :

APEX COMMUNICATIONS SDN BHD  
120, 120R, MENARA WAP SERI,  
50250 JALAN P. PANGLOSS,  
KUALA LUMPUR

MAN CONTRACTOR :

WCWL COMMUNICATIONS SDN BHD  
127, JALAN PAU 3/2, TAMAN PUNCAK JAYA,  
BANDAR PUTRA PERAI,  
43300 SERI KEMBANGAN, SELANGOR  
TEL: +603 9533 9353  
E-MAIL: info@wcwlcommunications.com.my

PROJECT TITLE :

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

DRAWING TITLE:

AS-BUILT SITE PLAN DRAWING AEA8009  
SEKOLAH MENENGAH KEBANGSAAN SERI LONDANG

PROJECT PHASE:

POP 2

Design By : ENGINEER	Date : DEC 2024
Drawn By : CAD ENGINEER	Scale : NOT TO SCALE
Checked By : ENGINEER	Job Number : 1
DRAWING NUMBER : AEA8009-ABD-01B	Sheet : 3/3
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Size : A3	