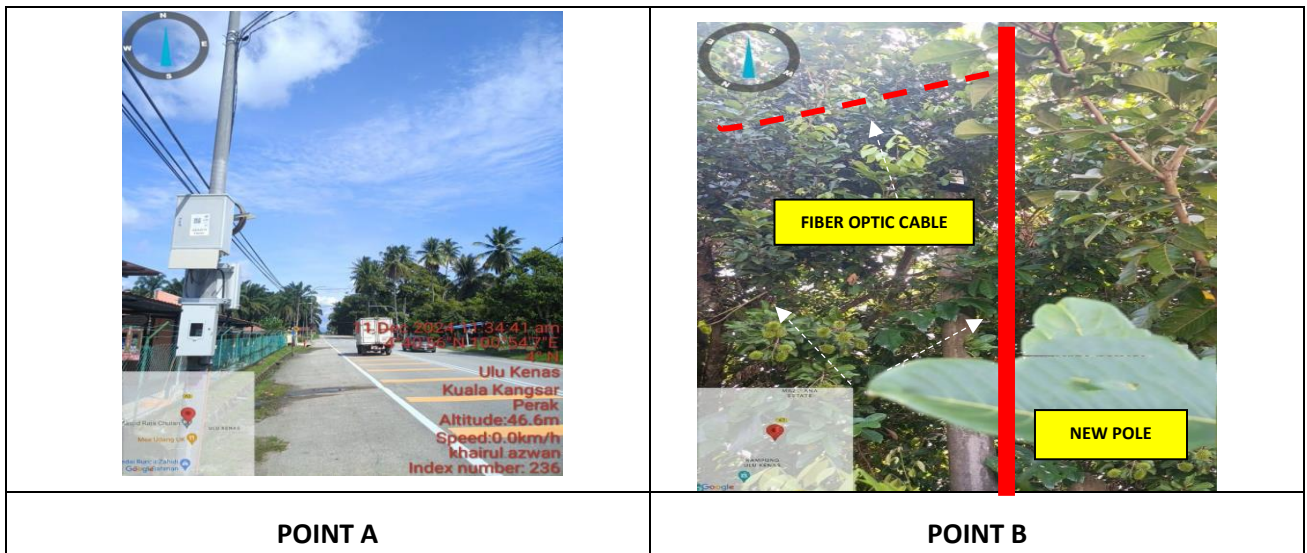


TECHNICAL PROPOSAL **ABA4019 SEKOLAH KEBANGSAAN ULU KENAS** **(D-SIDE)**

Company Name : ARATIMUR SDN BHD
Company Address : A-08-13, 8th Floor, Block A, Radia Office, Persiaran Singgahsana, 40150 Bukit Jelutong, Shah Alam, Selangor
Prepared By : Khairul Tajuddin
Date : 07/01/2025





Starting Point

Site / Boundary Name : Sekolah Kebangsaan Ulu Kenas
Address : No. 1, Kampung Ulu Kenas
District : Manong
Postcode : 33800
State : Perak
GPS Coordinate : 4.68275, 100.901883
LRD : A

End Point

Site / Boundary Name : Kampung Batu Empat Puloh
Address : Jalan Suak Samak
District : Kuala Kangsar
Postcode : 33000
State : Perak
GPS Coordinate : 4.668191, 100.903244
LRD : B

	<p align="center">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))</p>	
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1.0 WORK SUMMARY

NO	PROPOSED DISTANCE AND METHOD	UNIT	QUANTITY
1	Horizontal Directional Drilling (HDD)	m	17m
2	Carriage Way Open Trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro Trenching (MT)	m	0
	Total		17m

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fibre Cables	m	3428
2	Install New Pole	ea	75
3	Install New JRC7 Manhole	ea	2
4	Install GI Riser 100mm	ea	2
5	Install Fiber Distribution Point and Closure (Splicing, Termination and Testing	ea	17
6	Estimated Time Required For Completion	days	30



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))



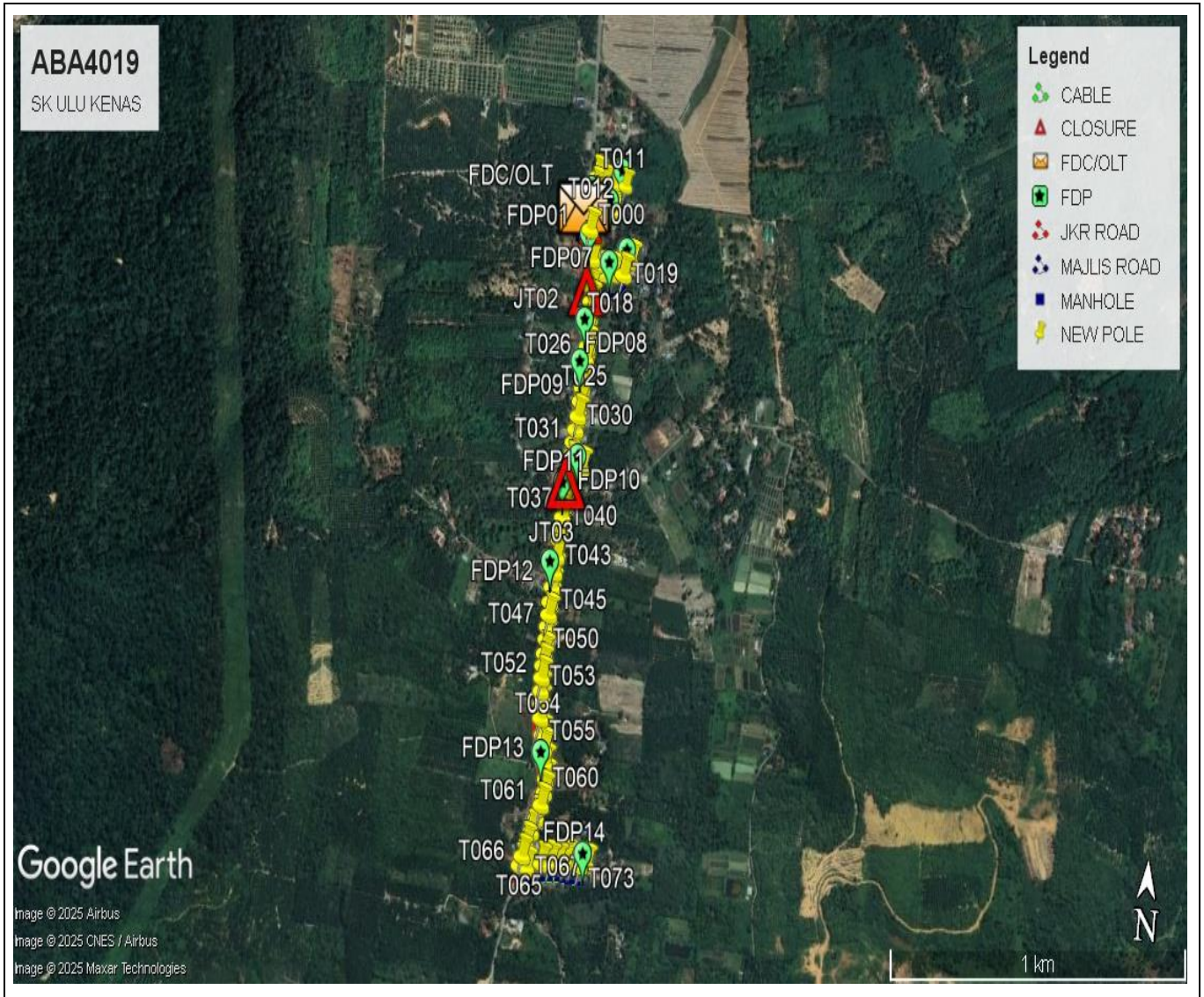
2.0 LOCAL AUTHORITY SUMMARY

Daerah Kuala Kangsar

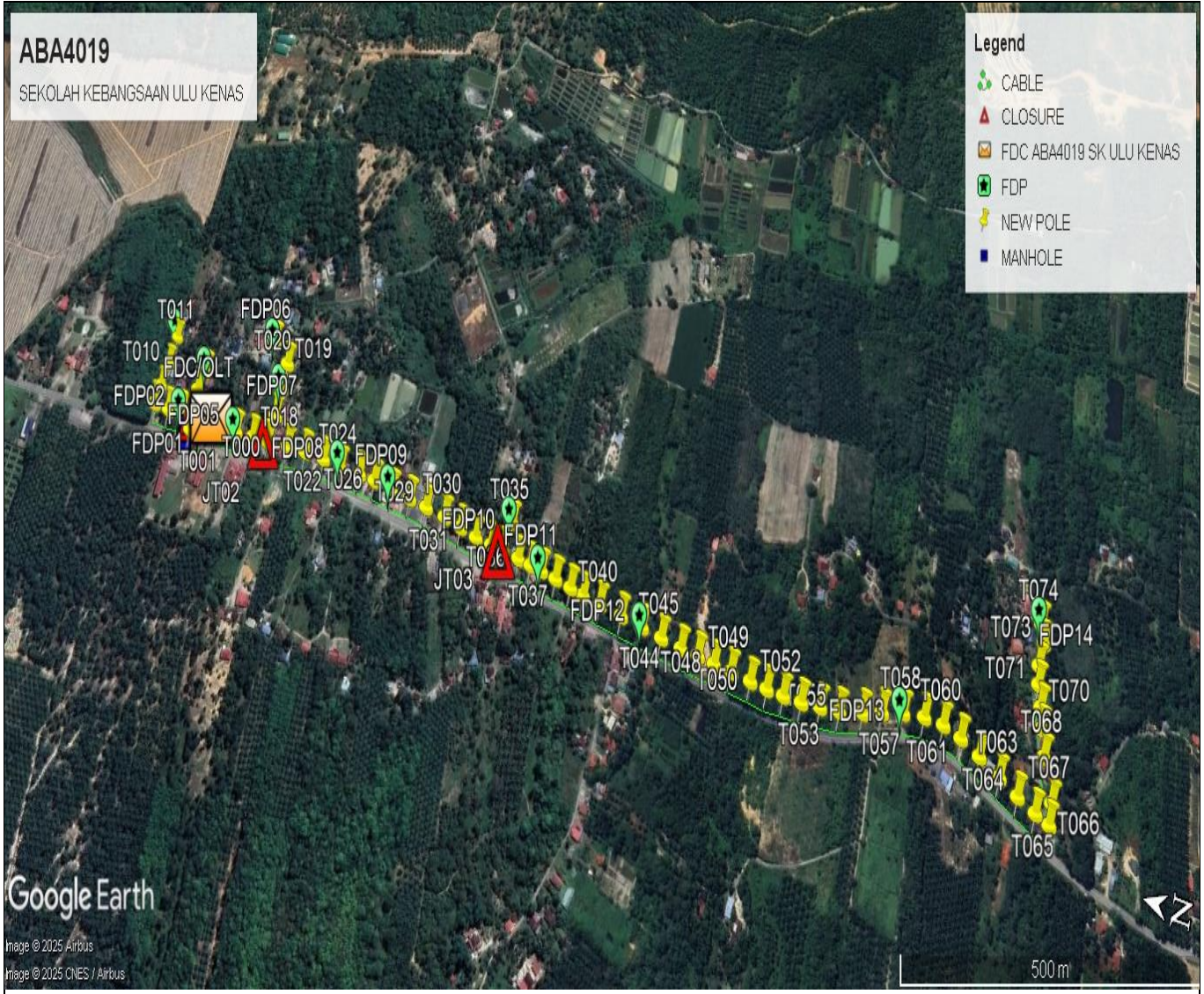
NO	ITEMS	OWNER	QUANTITY	DISTANCE (m)
1	HDD	JKR	1	17
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	56	2464
		Majlis	18	947
		Estate / Private Land	-	-
Total distance (m)				3428m

3.0 SITE PLAN- KMZ

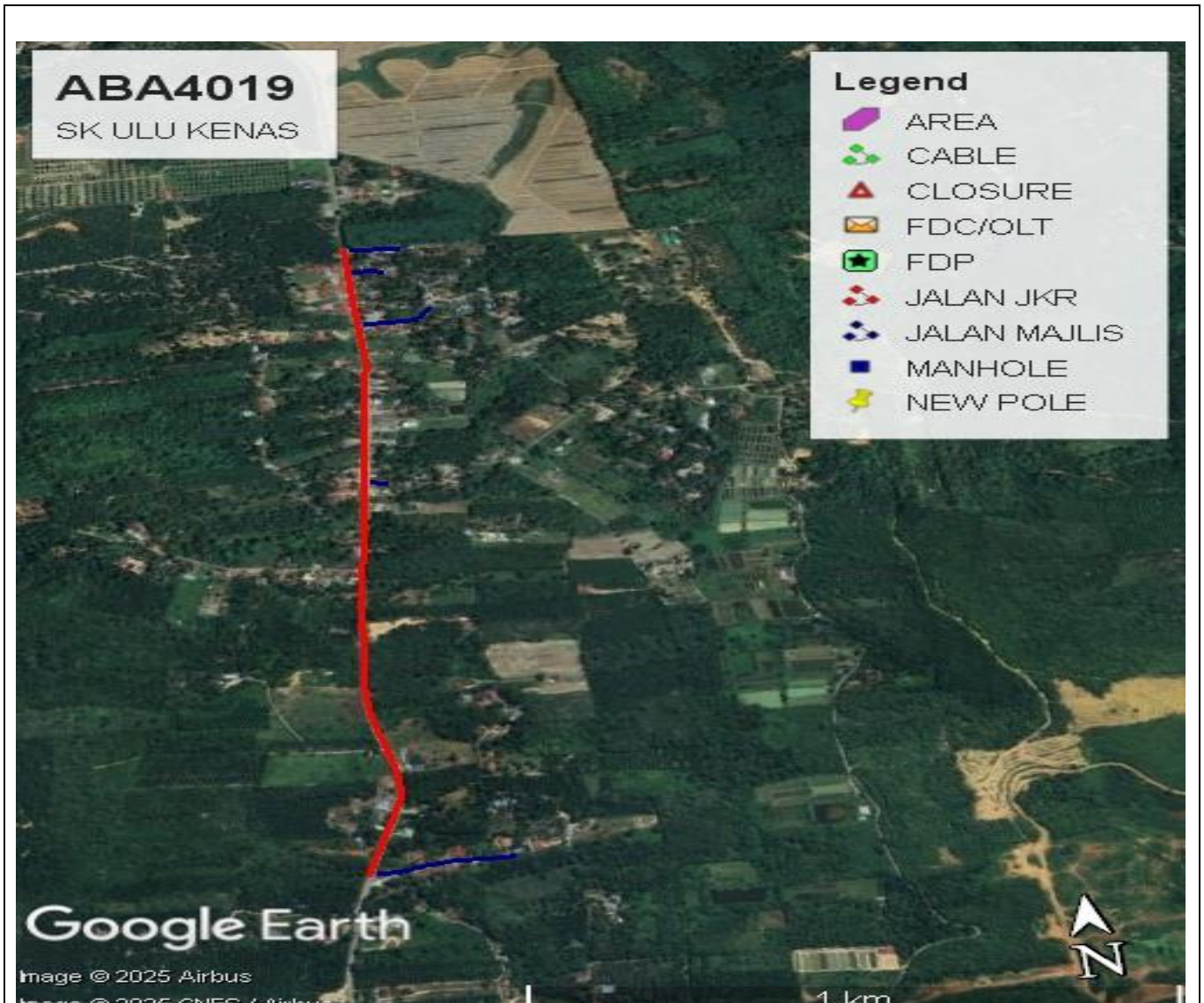
3.1 Overview Site Area



3.2 Site Boundry



3.3 Road Boundry



Blue Colour- Jalan Majlis Kuala Kangsar
Red Colour- JKR Kuala Kangsar



**PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
 FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN
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 (KKMM.400-11/17/132(1))**



4.0 PROPOSED MANHOLE & HDD AND NEW POLE

No.	Pole & Manhole ID	Distance	Latitude	Longitude	Local Authority
1	FDC/OLT		4.682254	100.901912	JKR Kuala Kangsar
2	T001	31	4.682537	100.901946	JKR Kuala Kangsar
3	Propose MH1	22	4.682755	100.901932	JKR Kuala Kangsar
4	Propose MH2	17	4.682772	100.902082	JKR Kuala Kangsar
5	T004	38	4.682788	100.902414	Majlis Daerah Kuala Kangsar
6	T005	28	4.682752	100.902655	Majlis Daerah Kuala Kangsar
7	T006	21	4.682954	100.902088	JKR Kuala Kangsar
8	T007	28	4.683188	100.902067	JKR Kuala Kangsar
9	T008	32	4.683456	100.902081	JKR Kuala Kangsar
10	T009	32	4.683448	100.902365	Majlis Daerah Kuala Kangsar
11	T010	32	4.683429	100.902652	Majlis Daerah Kuala Kangsar
12	T011	38	4.683418	100.902983	Majlis Daerah Kuala Kangsar
13	T012	31	4.682497	100.902082	JKR Kuala Kangsar
14	T013	30	4.682233	100.90209	JKR Kuala Kangsar
15	T014	35	4.681935	100.9021	JKR Kuala Kangsar
16	T015	37	4.681624	100.902107	JKR Kuala Kangsar
17	T016	33	4.681347	100.902109	JKR Kuala Kangsar
18	T017	39	4.681341	100.902448	Majlis Daerah Kuala Kangsar
19	T018	38	4.681361	100.902782	Majlis Daerah Kuala Kangsar
20	T019	35	4.68137	100.903092	Majlis Daerah Kuala Kangsar
21	T020	43	4.681693	100.903294	Majlis Daerah Kuala Kangsar
22	T021	39	4.681	100.902139	JKR Kuala Kangsar
23	T022	38	4.680679	100.902157	JKR Kuala Kangsar
24	T023	41	4.68034	100.902154	JKR Kuala Kangsar
25	T024	37	4.680023	100.902137	JKR Kuala Kangsar
26	T025	41	4.679677	100.902139	JKR Kuala Kangsar
27	T026	32	4.6794	100.902124	JKR Kuala Kangsar
28	T027	40	4.679068	100.902084	JKR Kuala Kangsar
29	T028	37	4.678744	100.902074	JKR Kuala Kangsar
30	T029	35	4.678441	100.902045	JKR Kuala Kangsar
31	T030	38	4.678104	100.902012	JKR Kuala Kangsar
32	T031	32	4.677805	100.901963	JKR Kuala Kangsar
33	T032	34	4.677518	100.901917	JKR Kuala Kangsar
34	T033	32	4.677247	100.901897	JKR Kuala Kangsar
35	T034	23	4.677035	100.90189	JKR Kuala Kangsar
36	T035	38	4.676973	100.902226	Majlis Daerah Kuala Kangsar
37	T036	31	4.676763	100.901859	JKR Kuala Kangsar
38	T037	26	4.676542	100.901836	JKR Kuala Kangsar
39	T038	20	4.676351	100.901825	JKR Kuala Kangsar
40	T039	30	4.676095	100.901794	JKR Kuala Kangsar
41	T040	31	4.675829	100.901758	JKR Kuala Kangsar
42	T041	26	4.675605	100.901727	JKR Kuala Kangsar
43	T042	34	4.675312	100.901699	JKR Kuala Kangsar
44	T043	42	4.674941	100.901662	JKR Kuala Kangsar
45	T044	41	4.67458	100.901628	JKR Kuala Kangsar
46	T045	37	4.674248	100.901589	JKR Kuala Kangsar
47	T046	39	4.673913	100.901556	JKR Kuala Kangsar
48	T047	32	4.673629	100.901549	JKR Kuala Kangsar

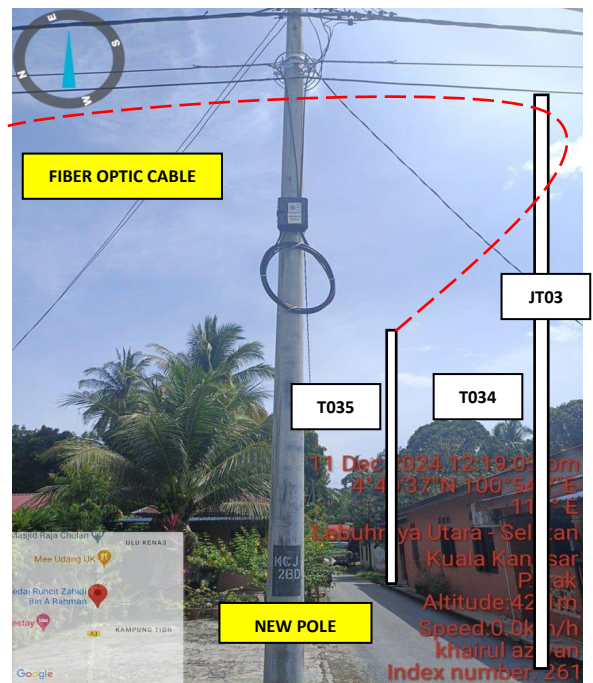
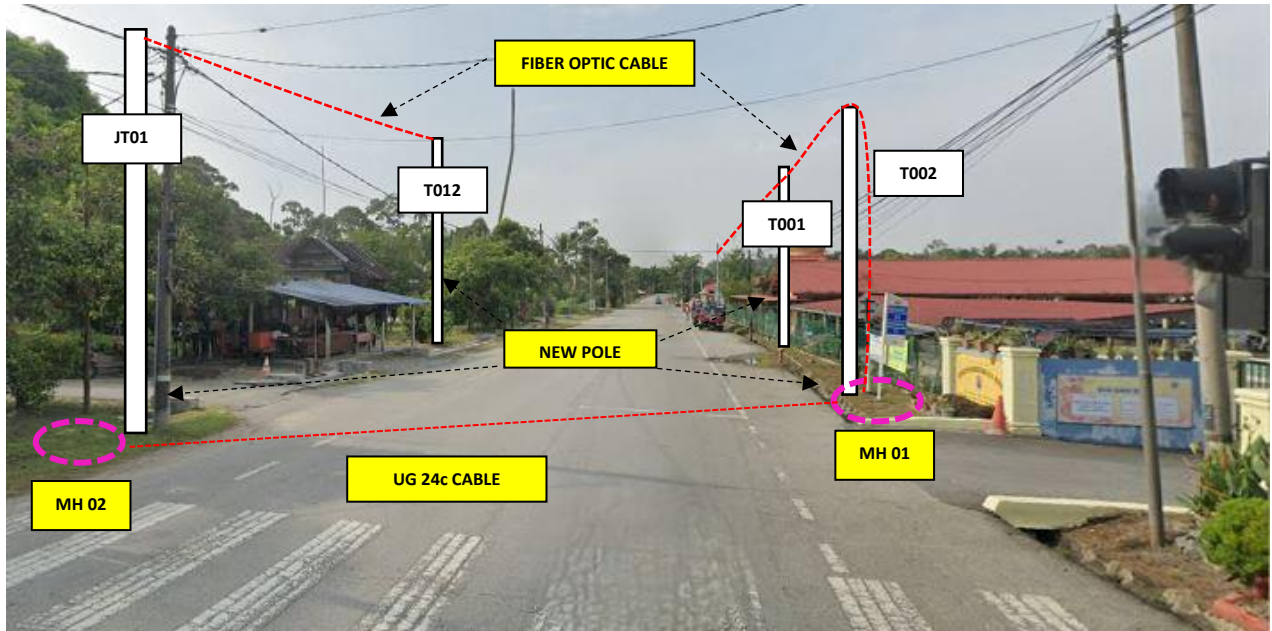


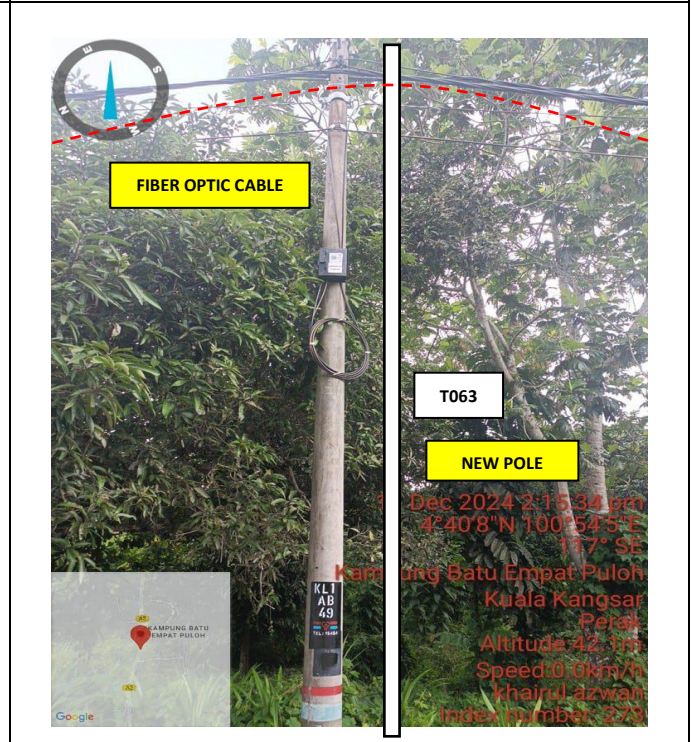
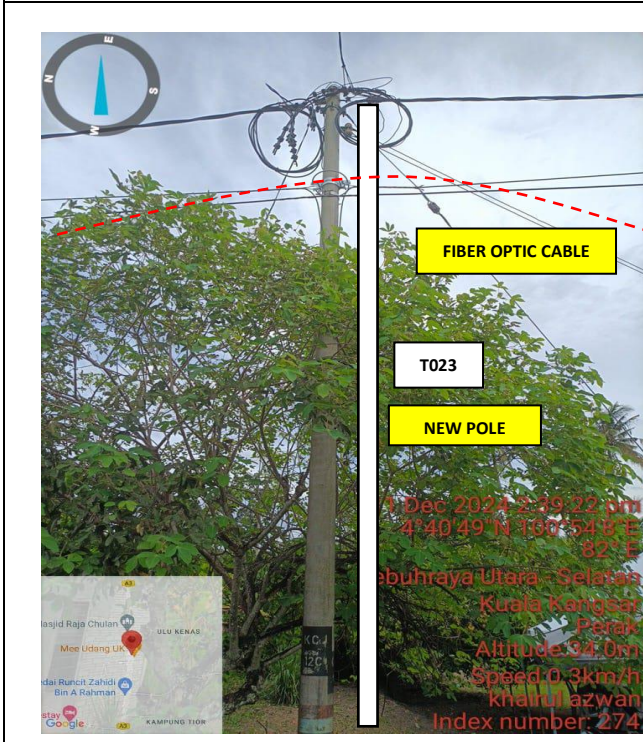
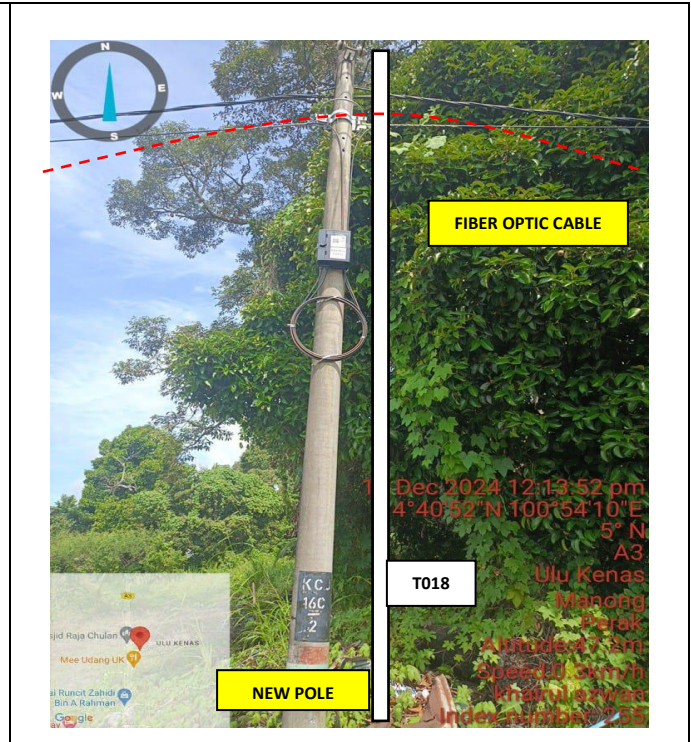
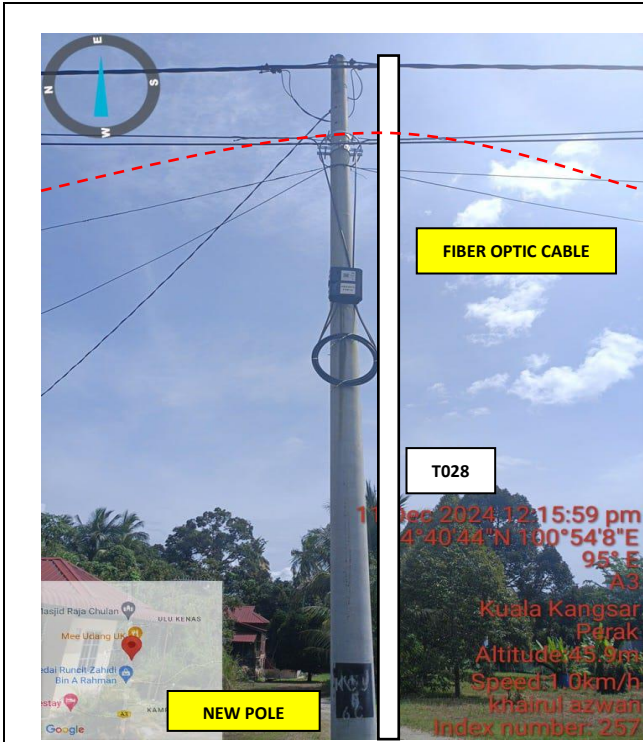
**PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
 FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN
 SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI
 SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA
 (KKMM.400-11/17/132(1))**





49	T048	31	4.673358	100.901527	JKR Kuala Kangsar
50	T049	33	4.673075	100.901512	JKR Kuala Kangsar
51	T050	37	4.672753	100.90149	JKR Kuala Kangsar
52	T051	31	4.672482	100.901473	JKR Kuala Kangsar
53	T052	31	4.672212	100.901466	JKR Kuala Kangsar
54	T053	34	4.671921	100.901469	JKR Kuala Kangsar
55	T054	36	4.671619	100.901496	JKR Kuala Kangsar
56	T055	35	4.671312	100.901523	JKR Kuala Kangsar
57	T056	44	4.670945	100.901599	JKR Kuala Kangsar
58	T057	35	4.670647	100.90168	JKR Kuala Kangsar
59	T058	38	4.670314	100.901754	JKR Kuala Kangsar
60	T059	38	4.669982	100.901792	JKR Kuala Kangsar
61	T060	34	4.669679	100.901784	JKR Kuala Kangsar
62	T061	32	4.669395	100.901716	JKR Kuala Kangsar
63	T062	36	4.669097	100.901602	JKR Kuala Kangsar
64	T063	38	4.668775	100.901468	JKR Kuala Kangsar
65	T064	36	4.668487	100.901347	JKR Kuala Kangsar
66	T065	34	4.668209	100.901248	JKR Kuala Kangsar
67	T066	27	4.667994	100.901183	JKR Kuala Kangsar
68	T067	26	4.667964	100.901406	Majlis Daerah Kuala Kangsar
69	T068	52	4.668101	100.901841	Majlis Daerah Kuala Kangsar
70	T069	31	4.668152	100.902118	Majlis Daerah Kuala Kangsar
71	T070	24	4.668176	100.902337	Majlis Daerah Kuala Kangsar
72	T071	27	4.668224	100.902568	Majlis Daerah Kuala Kangsar
73	T072	22	4.668227	100.90277	Majlis Daerah Kuala Kangsar
74	T073	30	4.66816	100.903026	Majlis Daerah Kuala Kangsar
75	T074	22	4.66821	100.903223	Majlis Daerah Kuala Kangsar

5.0 SITE PHOTO- PROPOSED MANHOLE & HDD AND NEW POLE

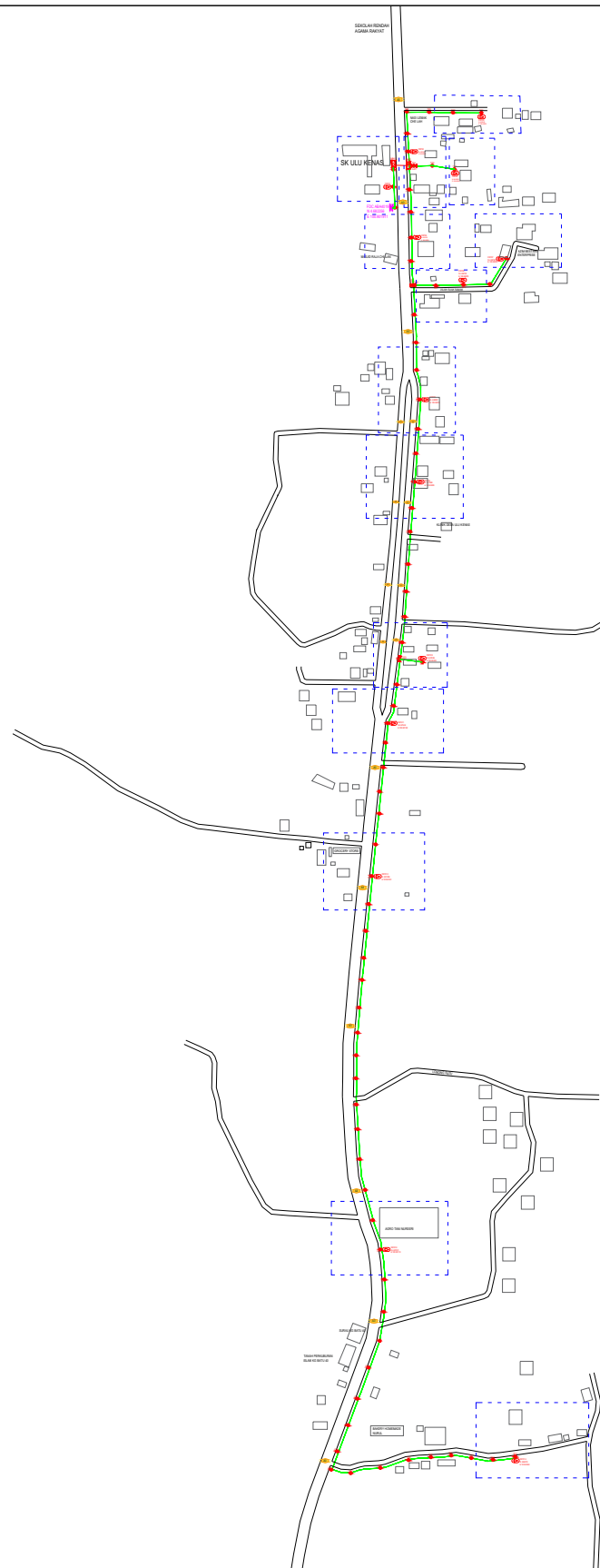




	<p align="center">PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUKTUR GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA - ZON UTARA (KKMM.400-11/17/132(1))</p>	
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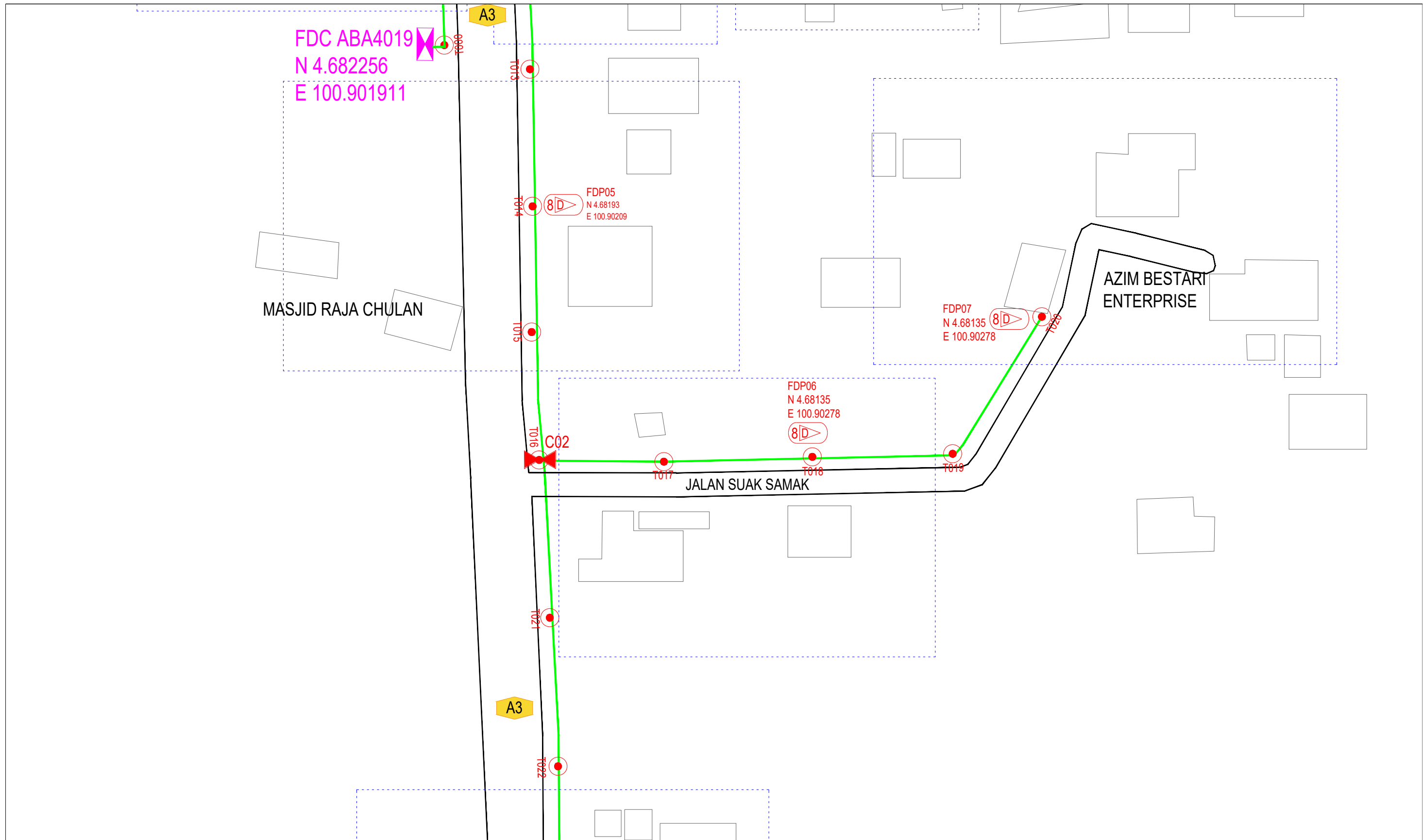
6.0 3rd PARTIES DEPENDENCIES

NO.	LOCAL COUNCIL/ AUTHORITY	REMARK
1	JKR Kuala Kangsar	
2	Majlis Daerah Kuala Kangsar	



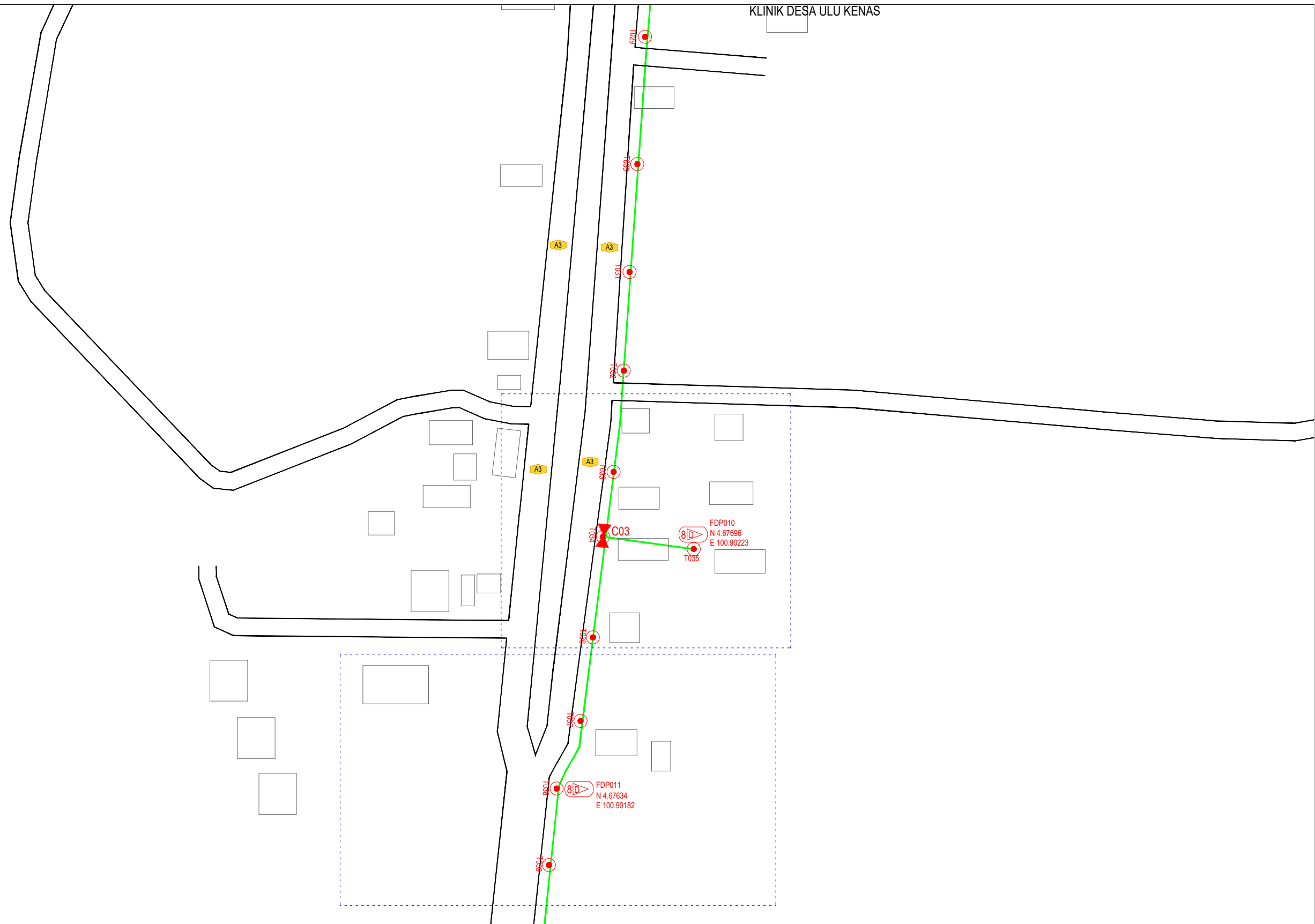
LEGEND	NOS.		NOS.		NOS.		NOS.		NOS.		NOS.
	12C FOC	Installed 1:4 splitter in FDC		Installed Pole (9m)		New Manhole(JRC7)	2		Tension Small / Tension Big		MH NO.
	24C FOC	FDP with (1:8) splitter		Installed Riser		Existing Manhole			Existing Manhole		Existing TNB Pole NO.
	48C FOC	Closure		Suspension Big		Existing TNB Pole			Closure NO.		New Pole NO.
	96C FOC	New Manhole (PIT)		Suspension Small		LOOP			FDP NO.		SEE A-A in this page
	144C FOC	Installed Pole (7.5M)		FDC		FDP Boundary	1		FDC NO.		SEE SHEET XXX

KEY PLAN :		PROJECT OWNER : 	MAIN CONTRACTOR 	SUB-CONTRACTOR : 	PROJECT TITLE: ABA4019 - SEKOLAH KEBANGSAAN ULU KENAS	DRAWING TITLE: PROJECT PHASE:	Design By : _____	Date : 06.02.2025
							Drawn By : _____	Scale : _____
DRAWING NUMBER : _____							Checked By : _____	Job Number : _____
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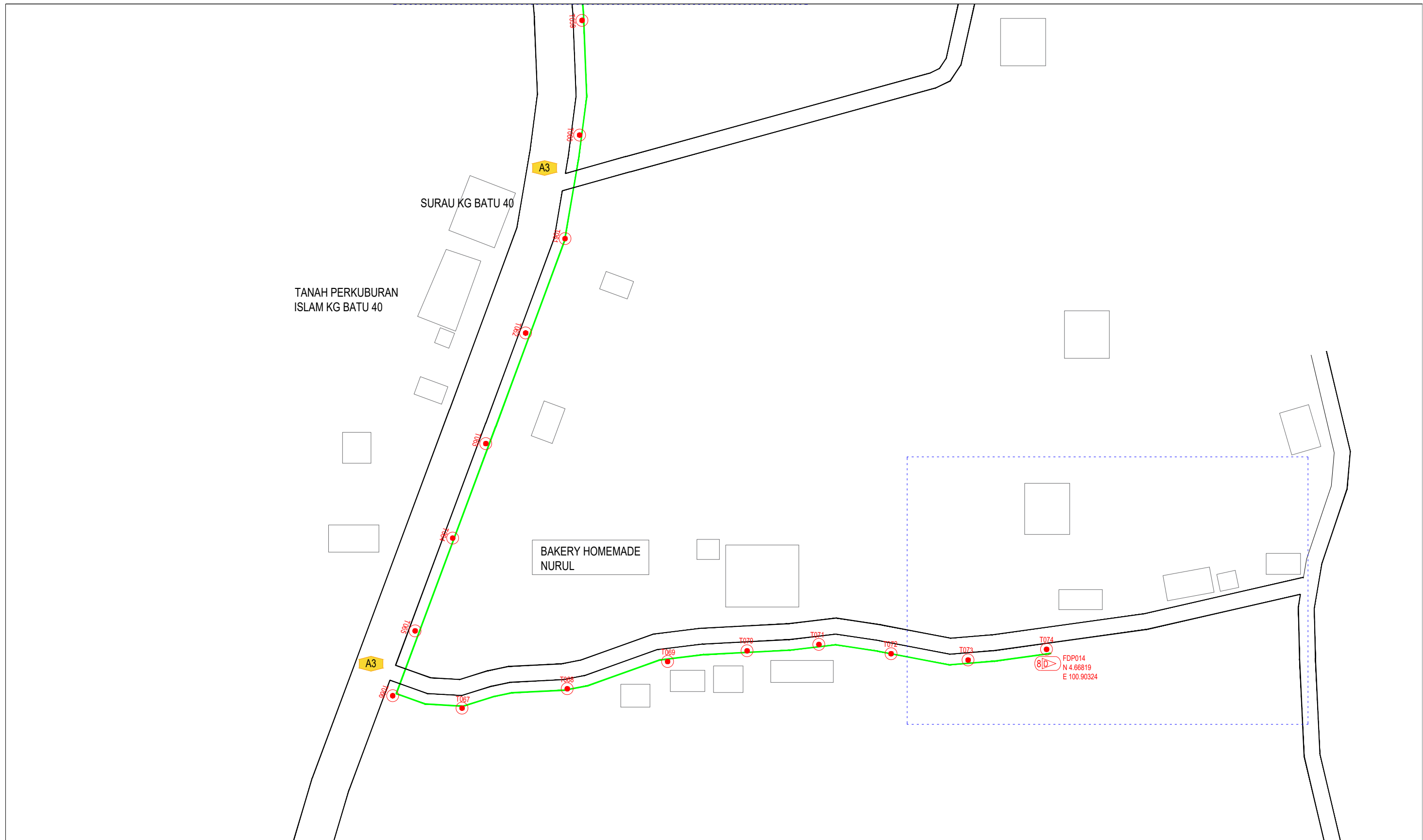
LEGEND	NOS.		NOS.		NOS.		NOS.		NOS.		NOS.
	12C FOC	Installed 1:4 splitter in FDC		Installed Pole (9m)		New Manhole(JRC7)	2		Tension Small / Tension Big		MH NO.
	24C FOC	FDP with (1:8) splitter	14		Installed Riser	#			Existing Manhole		Existing TNB Pole NO.
	48C FOC	Closure	3		Suspension Big				Closure NO.		New Pole NO.
	96C FOC	New Manhole (PIT)			Suspension Small				FDP NO.		SEE A-A in this page
	144C FOC	Installed Pole (7.5M)	75		FDC				FDC NO.		SEE SHEET XXX

KEY PLAN :	PROJECT OWNER :	MAIN CONTRACTOR :	SUB-CONTRACTOR :	PROJECT TITLE:	DRAWING TITLE:	Design By :	Date :	
				ABA4019 - SEKOLAH KEBANGSAAN ULU KENAS			06.02.2025	
			AraTimur Sdn Bhd A-08-13, 8th Floor, Block A, Rasia Office, Persiaran Singapura, 40150 Bukit Jalil, Shah Alam, SELANGOR DARUL EHSAN.			Drawn By :	Scale :	
						Checked By :	Job Number :	
						DRAWING NUMBER :	Sheet :	
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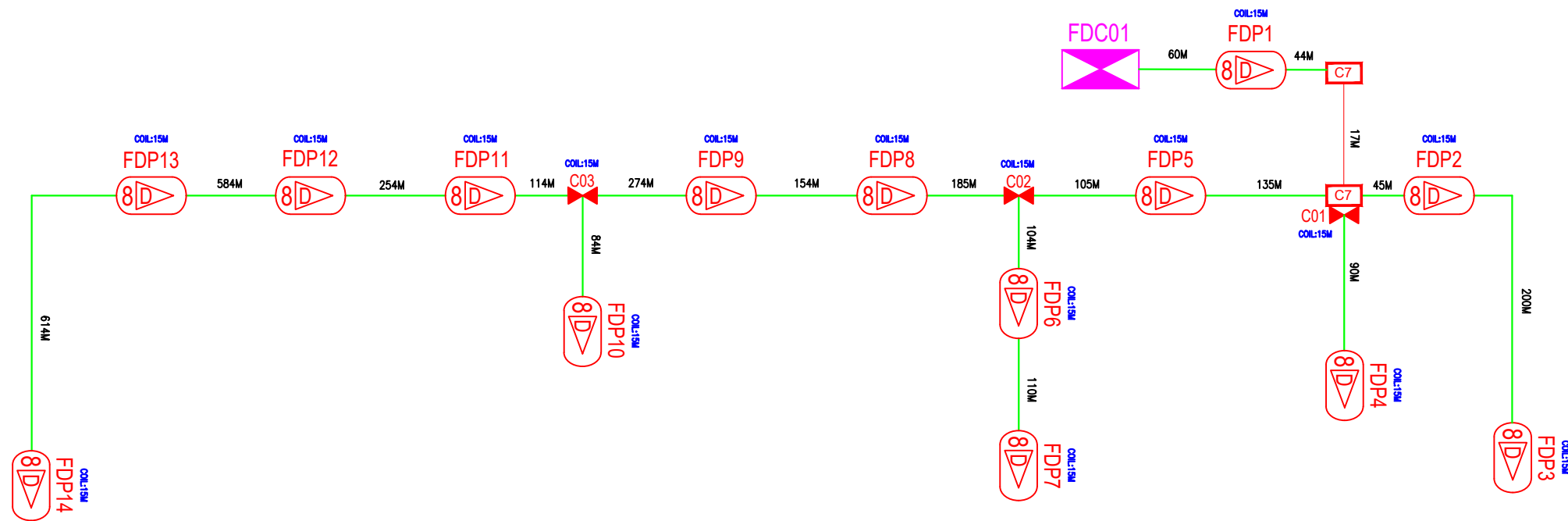
LEGEND	NOS.		NOS.		NOS.		NOS.		NOS.		NOS.	
	12C FOC	Installed 1:4 splitter in FDC		Installed Pole (9m)		New Manhole(JRC7)	2		TS / TB	Tension Small / Tension Big		MH NO.
	24C FOC	FDP with (1:8) splitter		Installed Riser		Existing Manhole			TKS-1	Existing TNB Pole NO.		New Pole NO.
	48C FOC	Closure		Suspension Big		Existing TNB Pole			C01	Closure NO.		SEE A-A in this page
	96C FOC	New Manhole (PIT)		Suspension Small		LOOP			FDP1	FDP NO.		SEE SHEET XXX
	144C FOC	Installed Pole (7.5M)		FDC		FDP Boundary	1		FDC	FDC NO.		SEE SHEET XXX

KEY PLAN :	PROJECT OWNER :	MAIN CONTRACTOR	SUB-CONTRACTOR :	PROJECT TITLE:	DRAWING TITLE:	Design By :	Date :	
				ABA4019 - SEKOLAH KEBANGSAAN ULU KENAS			06.02.2025	
						Drawn By :	Scale :	
						Checked By :	Job Number :	
						DRAWING NUMBER :	Sheet :	
							4/8	
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LEGEND	NOS.		NOS.		NOS.		NOS.		NOS.		NOS.	
	12C FOC	Installed 1:4 splitter in FDC			Installed Pole (9m)		New Manhole(JRC7)	2		Tension Small / Tension Big		MH NO.
	24C FOC	FDP with (1:8) splitter	14		Installed Riser		House Number			Existing Manhole		Existing TNB Pole NO.
	48C FOC	Closure	3		Suspension Big		Existing TNB Pole			Closure NO.		New Pole NO.
	96C FOC	New Manhole (PIT)			Suspension Small		LOOP			FDP NO.		SEE A-A in this page
	144C FOC	Installed Pole (7.5M)	75		FDC		FDP Boundary	1		FDC NO.		SEE SHEET XXX

KEY PLAN :	PROJECT OWNER :	MAIN CONTRACTOR	SUB-CONTRACTOR :	PROJECT TITLE:	DRAWING TITLE:	Design By :	Date :
				ABA4019 - SEKOLAH KEBANGSAAN ULU KENAS			06.02.2025
			AraTimur Sdn Bhd A-08-13, 8th Floor, Block A, Rasia Office, Persiaran Singapura, 40150 Bukit Jalil, Shah alam, SELANGOR DARUL EHSAN.			Drawn By :	Scale :
						Checked By :	Job Number :
						DRAWING NUMBER :	Sheet :
							8/8
						PROJECT PHASE:	Size :
							A3
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LEGEND	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.	NOS.
12C FOC	Installed 1:4 splitter in FDC	Installed Pole (9m)	C7	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	SS	Existing TNB Pole	LOOP	C01	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)	(A)
144C FOC	Installed Pole (7.5M)	FDC	SS	FDP Boundary	FDC	FDC NO.	(A) SEE SHEET XXX	(A)	(A)

KEY PLAN :

PROJECT OWNER :




KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR



PRIVASAT

SUB-CONTRACTOR :



ARA TIMUR SDN BHD
A-08-13,8TH FLOOR
BLOCK A RADIA OFFICE
PERSIARAN SINGGAHSANA
40150 BUKIT JELUTONG
SHAH ALAM SELANGOR

PROJECT TITLE:

DRAWING TITLE:
DRAWING TITLE LINE 1
DRAWING TITLE LINE 2
DRAWING TITLE LINE 3
DRAWING TITLE LINE 4

PROJECT PHASE:
PROJECT PHASE

Design By : ENGINEER
Date : DATE

Drawn By : CAD ENGINEER
Scale : SCALE

Checked By : ENGINEER
Job Number : JOB/NUMBER

DRAWING NUMBER :
DRAWING/NUMBER

Sheet :
SHEET

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