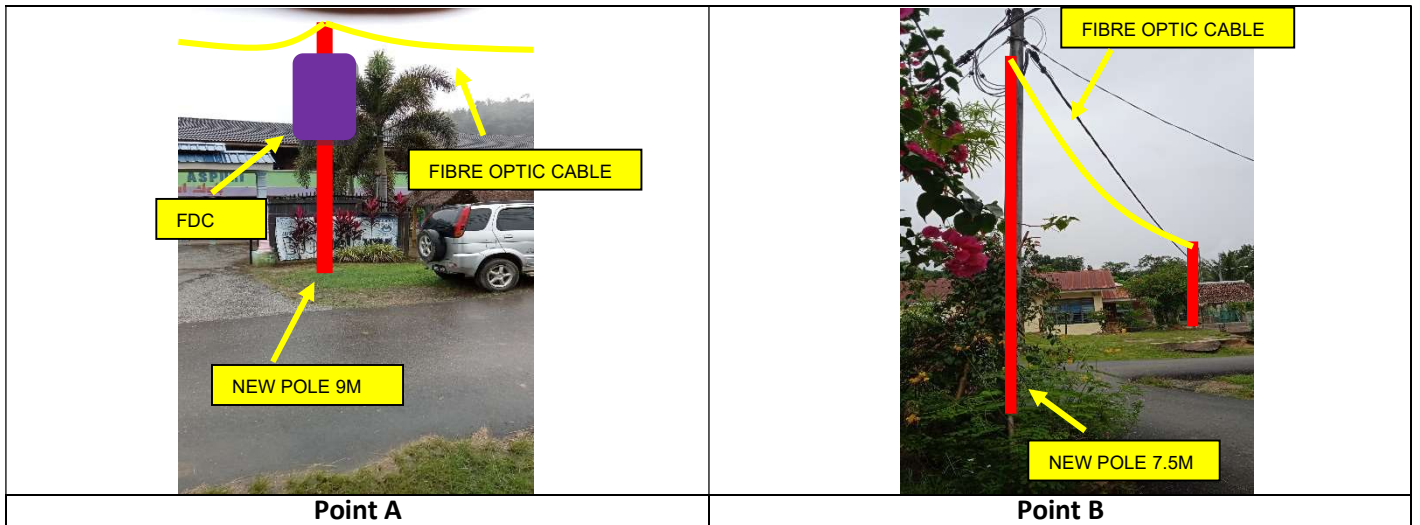


TECHNICAL PROPOSAL

POP2 ABA4051 - SEKOLAH KEBANGSAAN POS LEGAP (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 : Muhamad Iqbal Aqasha Bin Muzaidi
Date : 18/12/2024



Starting Point

Site / Boundary Name : SK POS LEGAP
Address : Jalan Sekolah Kebangsaan Pos Legap
District : Kuala Kangsar
Postcode : 31100
State : Perak
GPS Coordinate : 4.941695, 101.269469
LRD : A

End Point

Site / Boundary Name : KG POS LEGAP
Address : Jalan Kg Pos Legap
District : Kuala Kangsar
Postcode : 31100
State : Perak
GPS Coordinate : 4.946963, 101.262334
LRD : B



PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
FASA 2: HAB INFRASTRUTUK 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	5,005m
2	Install New Pole	ea	143
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	23
6	Estimated Time Required for Completion	days	30



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



2.0 LOCAL AUTHORITY SUMMARY

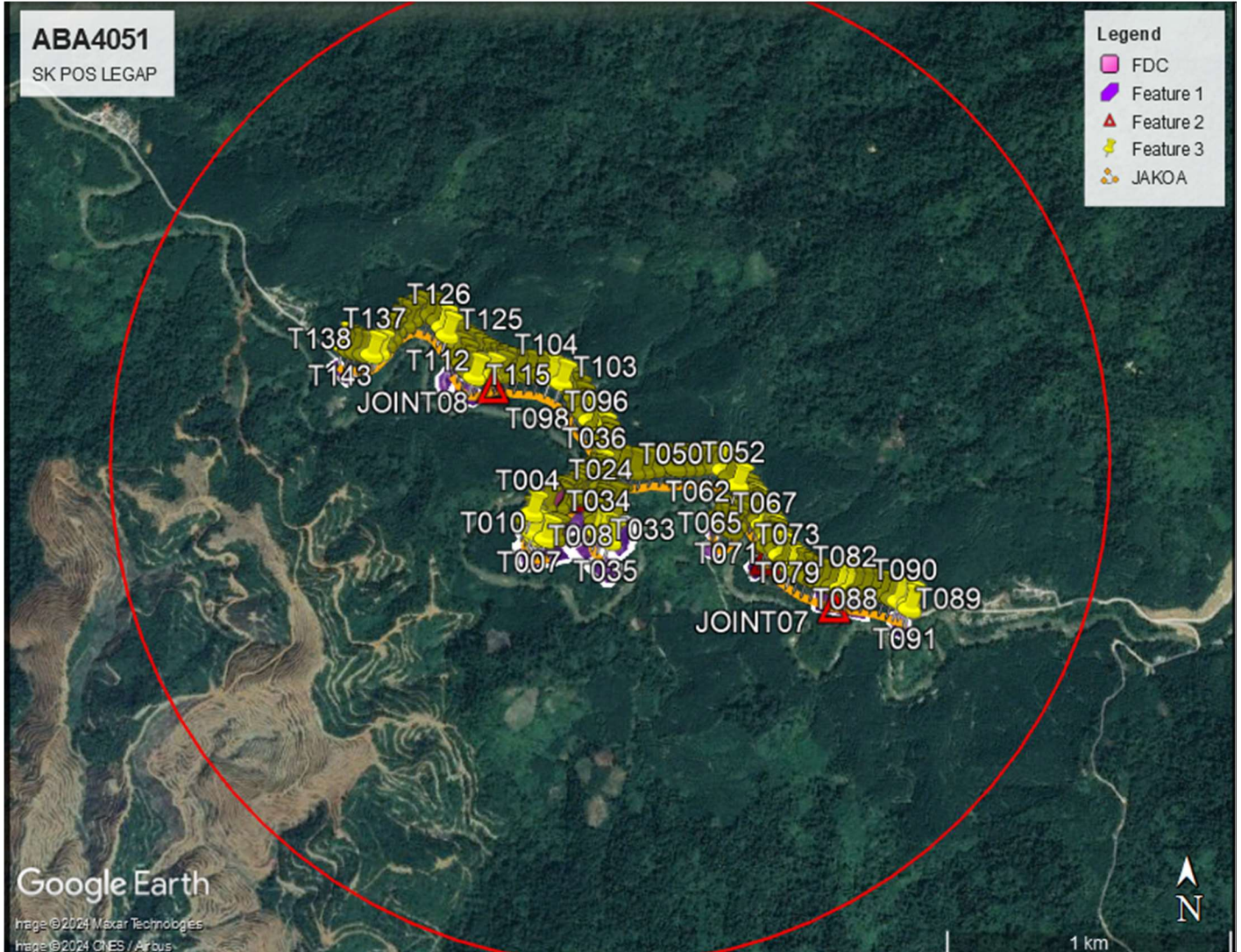
Daerah Kuala Kangsar

NO	ITEMS	Owner	Quantity	Distance (m)
1	HDD	JAKOA	-	-
		Majlis	-	-
		PDT	-	-
2	New Pole	JAKOA	143	5,005
		Majlis	-	-
		PDT	-	-
Total Distance (m)				5,005

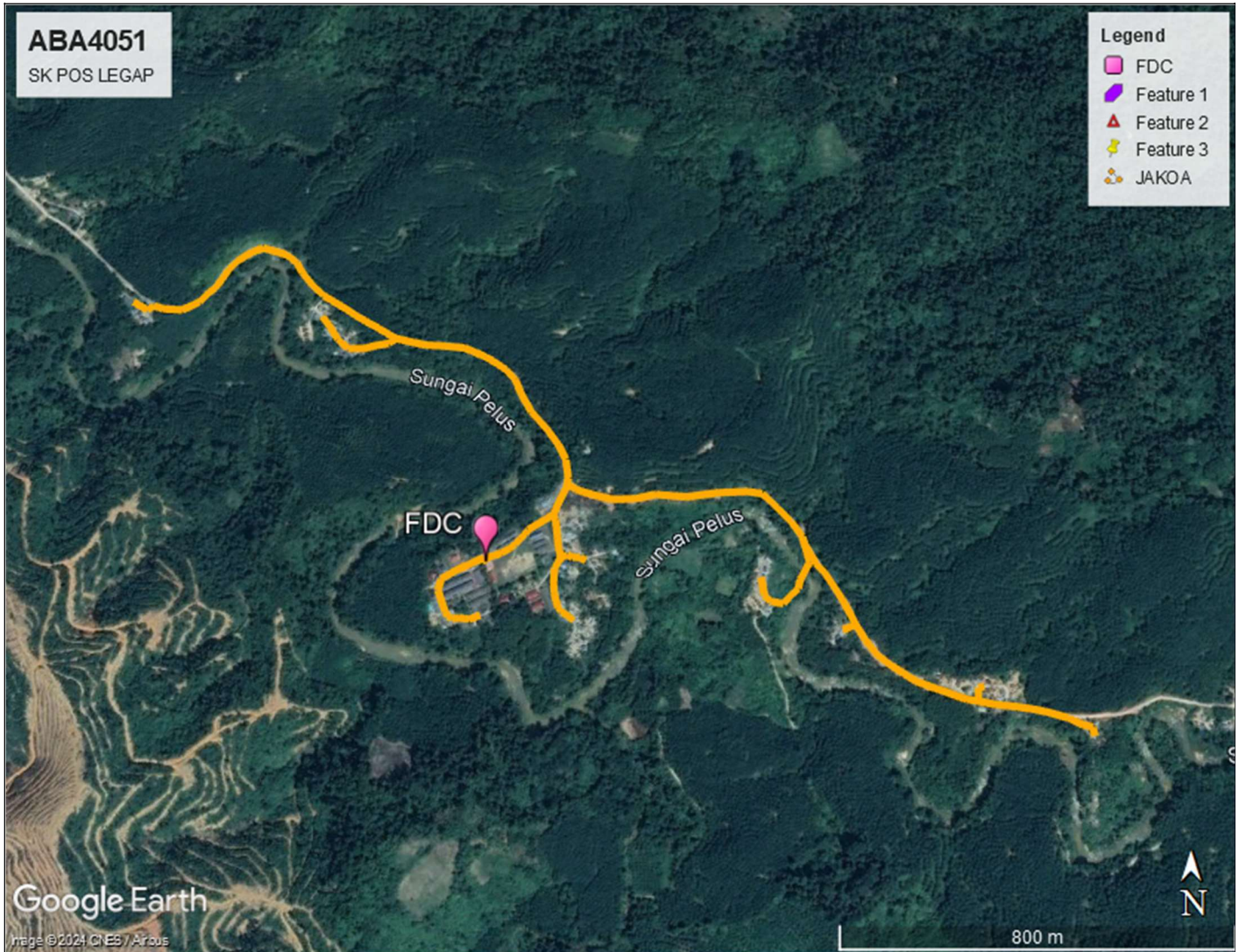
3.0 SITE PLAN (KMZ)

3.1 Overview Site Area

3.2



3.2 Road Boundary



4.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T001	35	4.941719	101.269460	JAKOA
2	T002	35	4.941773	101.269379	JAKOA
3	T003	35	4.941681	101.269067	JAKOA
4	T004	35	4.941452	101.268628	JAKOA
5	T005	35	4.941232	101.268480	JAKOA
6	T006	35	4.941751	101.269744	JAKOA
7	T007	35	4.940855	101.268672	JAKOA
8	T008	35	4.941751	101.269744	JAKOA
9	T009	35	4.940647	101.268929	JAKOA
10	T010	35	4.940635	101.269085	JAKOA
11	T011	35	4.940689	101.269354	JAKOA
12	T012	35	4.941891	101.269546	JAKOA
13	T013	35	4.941751	101.269744	JAKOA
14	T014	35	4.942039	101.269946	JAKOA
15	T015	35	4.942147	101.270079	JAKOA
16	T016	35	4.941796	101.269724	JAKOA
17	T017	35	4.942362	101.270302	JAKOA
18	T018	35	4.942506	101.270468	JAKOA
19	T019	35	4.942602	101.270633	JAKOA
20	T020	35	4.942591	101.270804	JAKOA
21	T021	35	4.941796	101.269724	JAKOA



PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
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(KKMM.400-11/17/132(1))



22	T022	35	4.942284	101.270867	JAKOA
23	T023	35	4.941796	101.269724	JAKOA
24	T024	35	4.941798	101.271021	JAKOA
25	T025	35	4.941726	101.271145	JAKOA
26	T026	35	4.941689	101.271271	JAKOA
27	T027	35	4.941702	101.271379	JAKOA
28	T028	35	4.941732	101.270909	JAKOA
29	T029	35	4.941464	101.270159	JAKOA
30	T030	35	4.941483	101.270813	JAKOA
31	T031	35	4.941389	101.270697	JAKOA
32	T032	35	4.941182	101.270719	JAKOA
33	T033	35	4.940880	101.270791	JAKOA
34	T034	35	4.940770	101.270951	JAKOA
35	T035	35	4.940561	101.271174	JAKOA
36	T036	35	4.942823	101.270790	JAKOA
37	T037	35	4.943100	101.270923	JAKOA
38	T038	35	4.943155	101.271085	JAKOA
39	T039	35	4.943070	101.271349	JAKOA
40	T040	35	4.942976	101.271627	JAKOA
41	T041	35	4.942897	101.271982	JAKOA
42	T042	35	4.942895	101.272271	JAKOA
43	T043	35	4.942957	101.272649	JAKOA
44	T044	35	4.943027	101.273002	JAKOA
45	T045	35	4.942991	101.273348	JAKOA
46	T046	35	4.942988	101.273647	JAKOA



PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
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(KKMM.400-11/17/132(1))



47	T047	35	4.943029	101.273974	JAKOA
48	T048	35	4.943062	101.274240	JAKOA
49	T049	35	4.943084	101.274608	JAKOA
50	T050	35	4.942943	101.274923	JAKOA
51	T051	35	4.942675	101.275138	JAKOA
52	T052	35	4.942390	101.275379	JAKOA
53	T053	35	4.942055	101.275562	JAKOA
54	T054	35	4.941617	101.275669	JAKOA
55	T055	35	4.941344	101.275477	JAKOA
56	T056	35	4.941126	101.275308	JAKOA
57	T057	35	4.940916	101.275166	JAKOA
58	T058	35	4.941008	101.274900	JAKOA
59	T059	35	4.941140	101.274711	JAKOA
60	T060	35	4.941348	101.274723	JAKOA
61	T061	35	4.941829	101.275699	JAKOA
62	T062	35	4.941654	101.275802	JAKOA
63	T063	35	4.941474	101.275950	JAKOA
64	T064	35	4.941282	101.276064	JAKOA
65	T065	35	4.941101	101.276184	JAKOA
66	T066	35	4.940893	101.276302	JAKOA
67	T067	35	4.940709	101.276401	JAKOA
68	T068	35	4.940562	101.276486	JAKOA
69	T069	35	4.940426	101.276314	JAKOA
70	T070	35	4.940330	101.276609	JAKOA
71	T071	35	4.940126	101.276740	JAKOA



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



72	T072	35	4.939897	101.276916	JAKOA
73	T073	35	4.939708	101.277122	JAKOA
74	T074	35	4.939548	101.277360	JAKOA
75	T075	35	4.939419	101.277611	JAKOA
76	T076	35	4.939299	101.277895	JAKOA
77	T077	35	4.939210	101.278197	JAKOA
78	T078	35	4.939127	101.278429	JAKOA
79	T079	35	4.939136	101.278512	JAKOA
80	T080	35	4.939204	101.278705	JAKOA
81	T081	35	4.939331	101.278832	JAKOA
82	T082	35	4.939001	101.278965	JAKOA
83	T083	35	4.938967	101.279239	JAKOA
84	T084	35	4.938958	101.279519	JAKOA
85	T085	35	4.938913	101.279823	JAKOA
86	T086	35	4.938830	101.280129	JAKOA
87	T087	35	4.938736	101.280361	JAKOA
88	T088	35	4.938658	101.280573	JAKOA
89	T089	35	4.938669	101.280744	JAKOA
90	T090	35	4.938574	101.280910	JAKOA
91	T091	35	4.938437	101.280921	JAKOA
92	T092	35	4.943461	101.270978	JAKOA
93	T093	35	4.943424	101.271075	JAKOA
94	T094	35	4.943634	101.271033	JAKOA
95	T095	35	4.943842	101.270987	JAKOA
96	T096	35	4.944069	101.270882	JAKOA



PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
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SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA
(KKMM.400-11/17/132(1))



97	T097	35	4.944294	101.270733	JAKOA
98	T098	35	4.944543	101.270538	JAKOA
99	T099	35	4.944775	101.270319	JAKOA
100	T100	35	4.945030	101.270163	JAKOA
101	T101	35	4.945296	101.270043	JAKOA
102	T102	35	4.945591	101.269845	JAKOA
103	T103	35	4.945759	101.269562	JAKOA
104	T104	35	4.945948	101.269213	JAKOA
105	T105	35	4.946029	101.268858	JAKOA
106	T106	35	4.946042	101.268512	JAKOA
107	T107	35	4.946062	101.268189	JAKOA
108	T108	35	4.946132	101.267872	JAKOA
109	T109	35	4.946242	101.267610	JAKOA
110	T110	35	4.946159	101.267498	JAKOA
111	T111	35	4.946068	101.267556	JAKOA
112	T112	35	4.945978	101.267212	JAKOA
113	T113	35	4.946065	101.267158	JAKOA
114	T114	35	4.945993	101.266841	JAKOA
115	T115	35	4.945961	101.266708	JAKOA
116	T116	35	4.946163	101.266460	JAKOA
117	T117	35	4.946445	101.266315	JAKOA
118	T118	35	4.946616	101.266101	JAKOA
119	T119	35	4.946255	101.267309	JAKOA
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121	T121	35	4.946596	101.266786	JAKOA

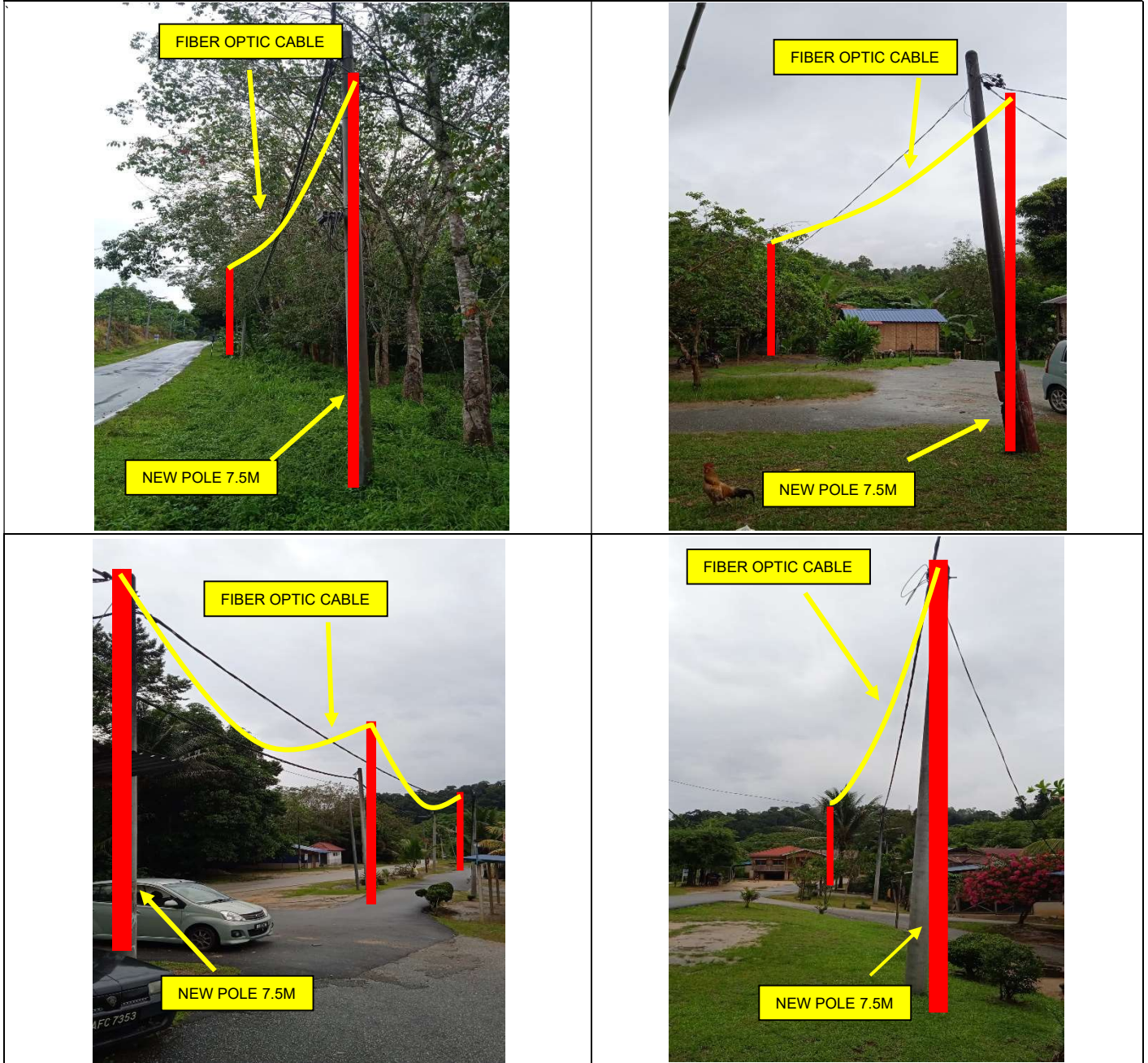


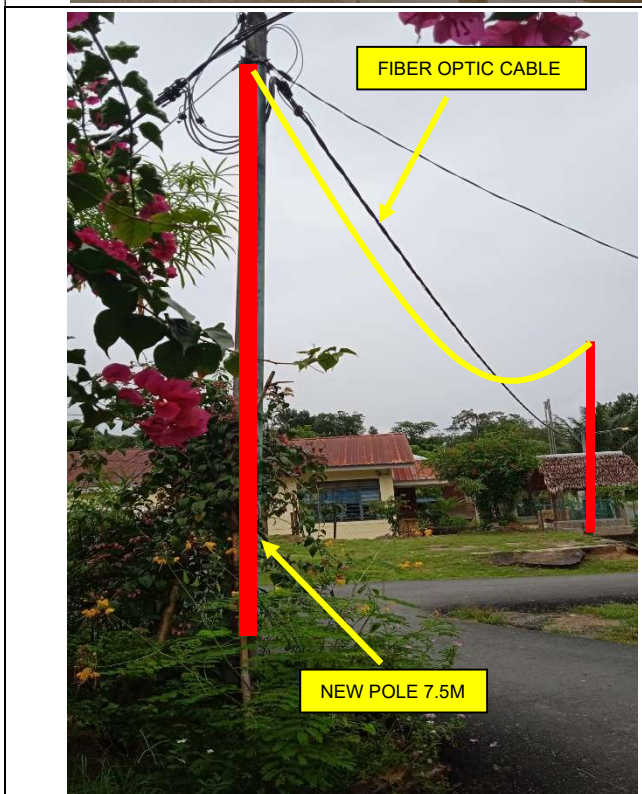
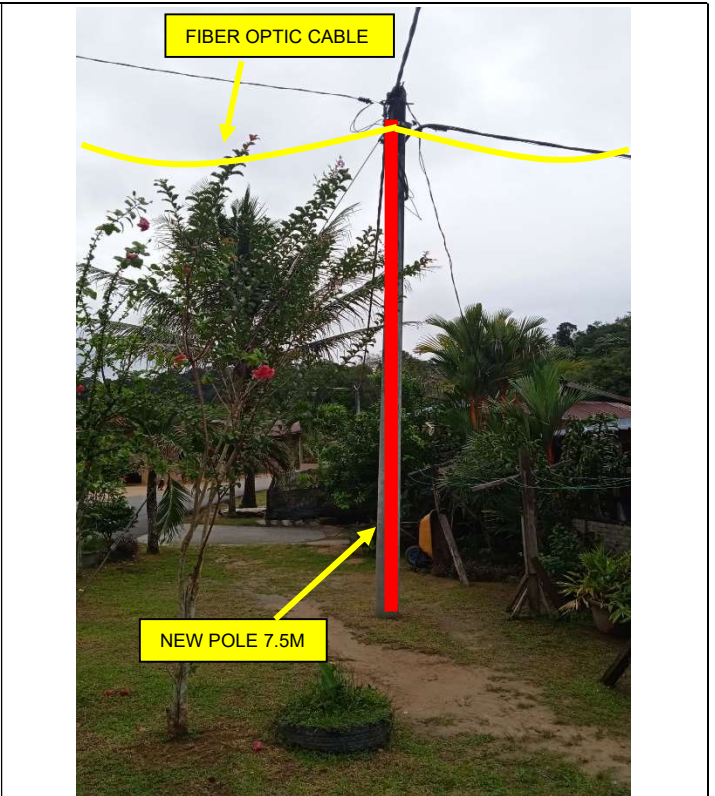
PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)
FASA 2: HAB INFRASTRUTUK GENTIAN OPTIK BERHAMPIRAN DENGAN
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SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA
(KKMM.400-11/17/132(1))

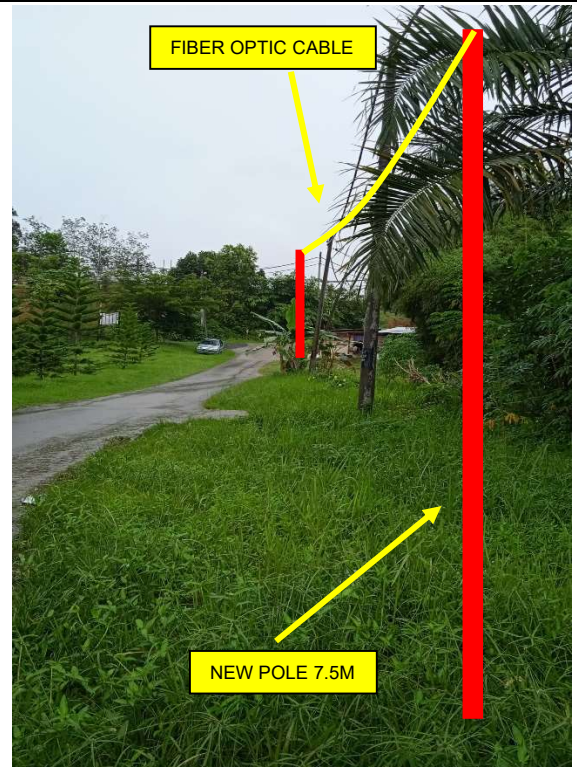
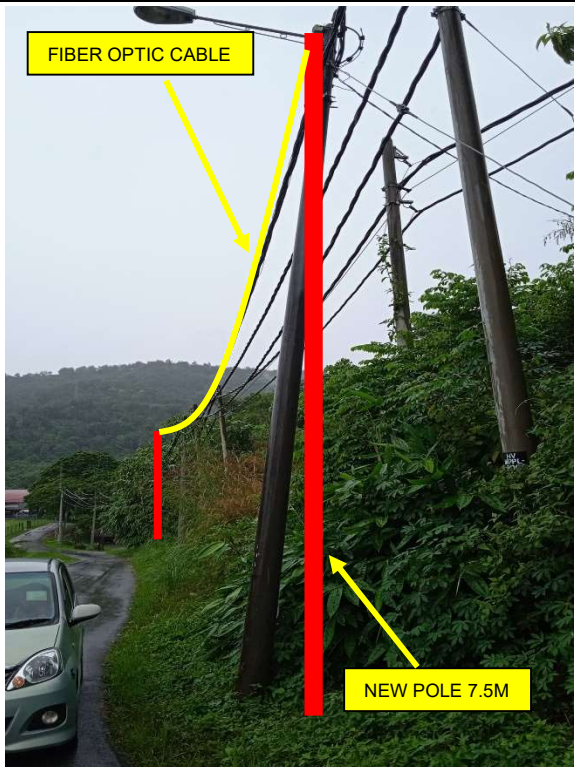
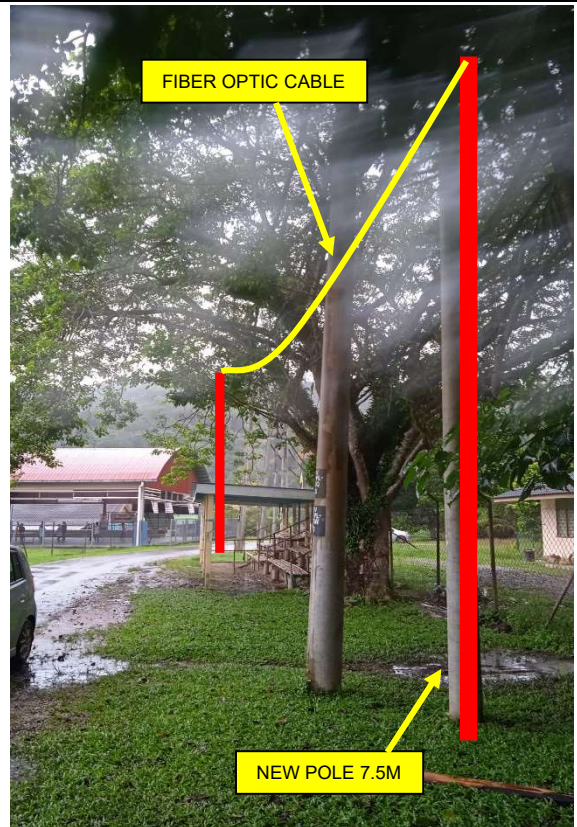
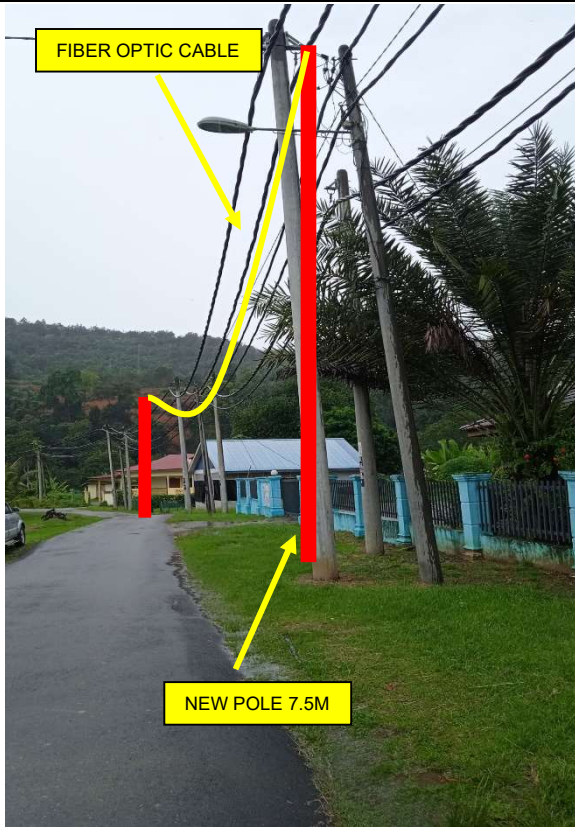


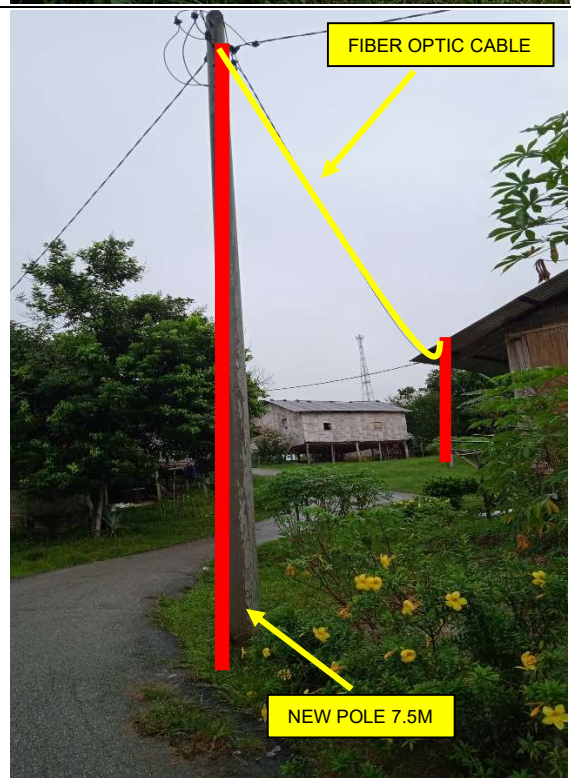
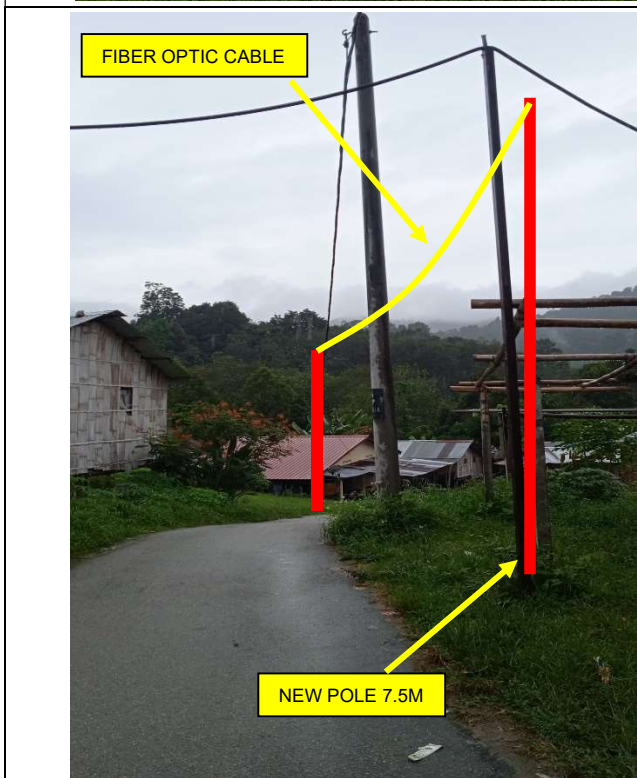
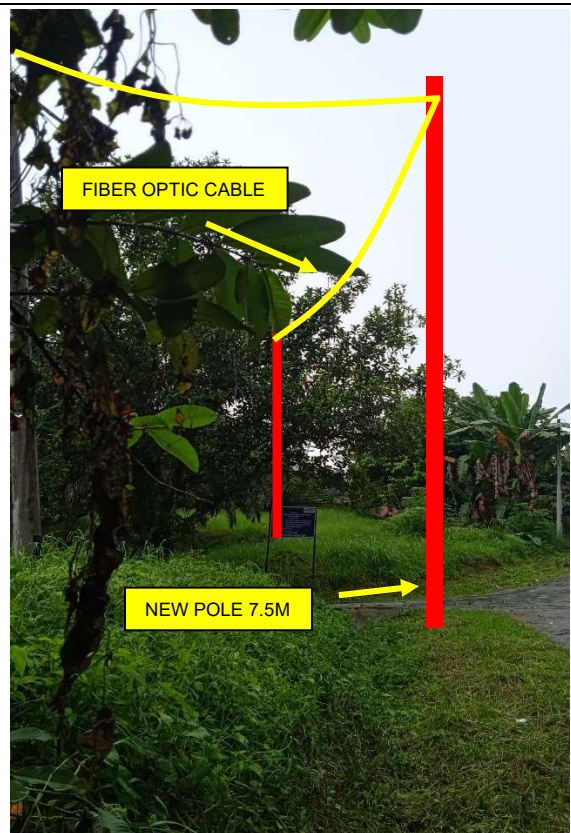
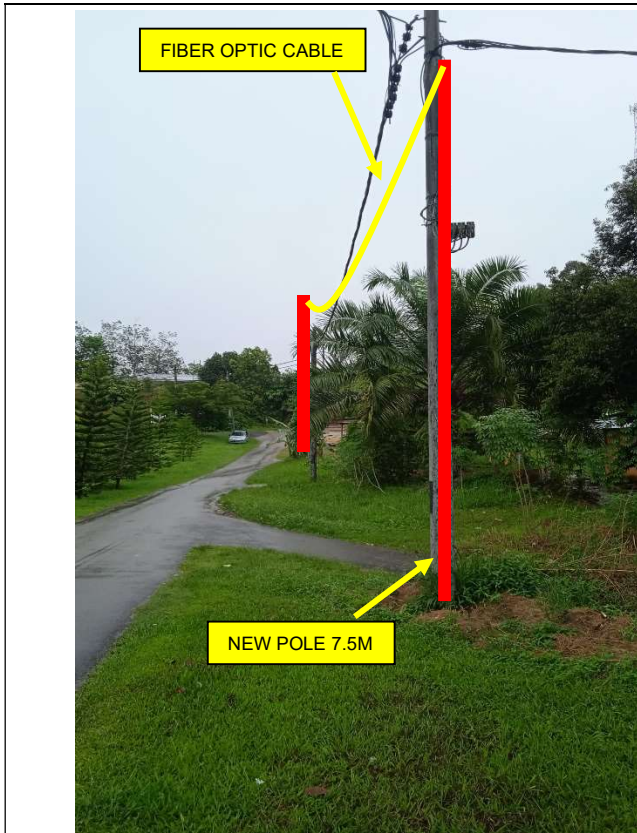
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123	T123	35	4.946995	101.266155	JAKOA
124	T124	35	4.947155	101.265945	JAKOA
125	T125	35	4.947344	101.265767	JAKOA
126	T126	35	4.947609	101.265617	JAKOA
127	T127	35	4.947829	101.265455	JAKOA
128	T128	35	4.948008	101.265180	JAKOA
129	T129	35	4.948019	101.264827	JAKOA
130	T130	35	4.947909	101.264563	JAKOA
131	T131	35	4.947716	101.264347	JAKOA
132	T132	35	4.947789	101.264210	JAKOA
133	T133	35	4.947545	101.264032	JAKOA
134	T134	35	4.947281	101.263911	JAKOA
135	T135	35	4.947057	101.263722	JAKOA
136	T136	35	4.946901	101.263491	JAKOA
137	T137	35	4.946786	101.263505	JAKOA
138	T138	35	4.946692	101.263281	JAKOA
139	T139	35	4.946687	101.263006	JAKOA
140	T140	35	4.946763	101.262757	JAKOA
141	T141	35	4.946875	101.262627	JAKOA
142	T142	35	4.946829	101.262543	JAKOA
143	T143	35	4.946993	101.262341	JAKOA



5.0 SITE PHOTOS - PROPOSED NEW POLE





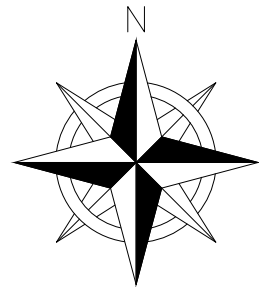




	<p>PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP) FASA 2: HAB INFRASTRUTUK GENTIAN OPTIK BERHAMPIRAN DENGAN SEKOLAH, KAWASAN PERINDUSTRIAN, PREMIS KERAJAAN DAN KOMUNITI SEKITARNYA OLEH KEMENTERIAN KOMUNIKASI MALAYSIA – ZON UTARA (KKMM.400-11/17/132(1))</p>	
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6.0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

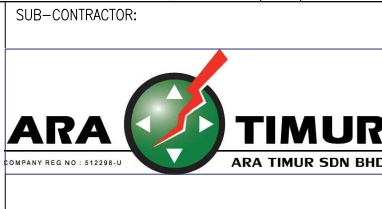
NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	JAKOA	5,005
2	Majlis Daerah Kuala Kangsar	-



12C FOC	3332M	Installed 1:4 / 1:8 splitter	Existing TNB Pole	Pole Ring	15	Micro-Trenching (Meter)	#	Active Outdoor Numbering	CL01	Closure NO.
24C FOC		FDC	Installed Riser	New Manhole (PIT)		Temporary Infra (Meter)	NBD#	FDC NO.	DP1	FDP NO.
48C FOC		Closure	FDP with (1:8) splitter	New Manhole(JRC7)	15	FDP Boundary	MH1	MH NO.		
96C FOC		Installed Pole (9m)	Suspension	Existing Manhole		HDD (Meter)	TKS-1	Existing TNB Pole NO.		
144C FOC		Installed Pole (7.5m)	Tension	Loop / Coil (Meter)		Open Cut (Meter)	P001	New Pole NO.		

ACTUAL HOMEPASS : 120

KEY PLAN:

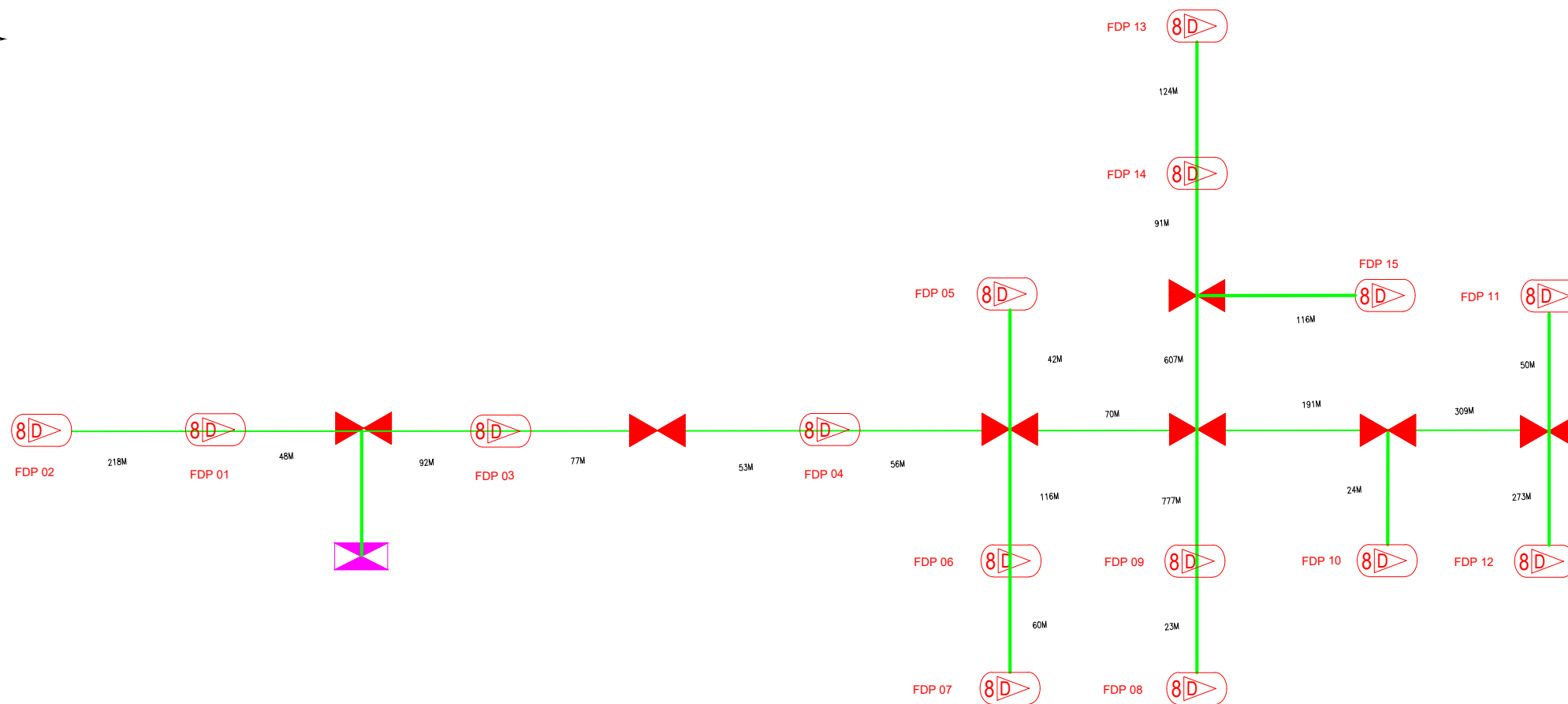
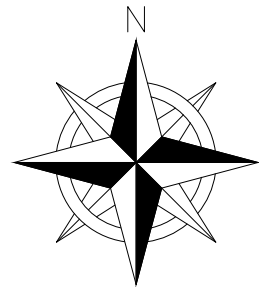


PROJECT TITLE:
 CONTRACT FOR THE PROVISION OF SUPPLY, INSTALLATION AND COMMISSIONING OF FTTX NETWORK INFRASTRUCTURE - POP 2 PROJECT (D-SIDE) - ABA4051 SK POS LEGAP

DRAWING TITLE:
 CONSTRUCTION DRAWING - ABA4051 SK POS LEGAP

PROJECT PHASE:

Design By : FENDI	Date : 18 NOVEMBER 2024
Drawn By : FENDI	Scale :
Checked By :	Job Number :
DRAWING NUMBER :	Sheet : 1 / 1
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Size :	



12C FOC		Installed 1:4 / 1:8 splitter		Existing TNB Pole		Pole Ring	15	Micro-Trenching (Meter)	#	Active Outdoor Numbering	CL01	Closure NO.
24C FOC	3332M	FDC	1	Installed Riser		New Manhole (PIT)		Temporary Infra (Meter)	NBD#	FDC NO.	DP1	FDP NO.
48C FOC		Closure	8	FDP with (1:8) splitter	15	New Manhole(JRC7)		FDP Boundary	MH1	MH NO.		
96C FOC		Installed Pole (9m)		Suspension		Existing Manhole		HDD (Meter)	TKS-1	Existing TNB Pole NO.		
144C FOC		Installed Pole (7.5m)	143	Tension		Loop / Coil (Meter)		Open Cut (Meter)	P001	New Pole NO.		

ACTUAL HOMEPASS : 120

KEY PLAN:

PROJECT OWNER:




KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR:



PRIVASAT

SUB-CONTRACTOR:



ARA TIMUR SDN BHD

PROJECT TITLE:
 CONTRACT FOR THE PROVISION OF SUPPLY, INSTALLATION AND COMMISSIONING OF FTTX NETWORK INFRASTRUCTURE - POP 2 PROJECT (D-SIDE) - ABA4051 SK POS LEGAP

DRAWING TITLE:
 CONSTRUCTION DRAWING - ABA4051 SK POS LEGAP

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Drawn By : FENDI	Scale :
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