

TECHNICAL PROPOSAL

POP2 ABA5074 SEKOLAH MENENGAH KEBANGSAAN SULTAN ABDULLAH (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 : Muhammad Danieal Adikha Bin Zaidi
Date : 28/08/2024



Starting Point

Site / Boundary Name : Chenderong Balai
Address : Kampung Chenderong Balai, 36600 Chenderong Balai, Perak
District : Teluk Intan
Postcode : 36600
State : Perak
GPS Coordinate : 4.121404, 101.079930
LRD : A

End Point

Site / Boundary Name : Chendrong Balai
Address : Jalan Labu Kubong, 36600 Labu Kubong, Perak
District : Teluk Intan
Postcode : 34850
State : Perak
GPS Coordinate : 4.132349, 101.102565
LRD : B



SUPPLY, INSTALLATION AND COMMISSIONING OF FTTX NETWORK INFRASTRUCTURE FOR ALLO TECHNOLOGY SDN BHD POP 2 PROJECT (D-SIDE) - PMU SMNK FOR ABA5074-SEKOLAH MENENGAH KEBANGSAAN SULTAN ABDULLAH



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	1,490
2	Install New Pole	ea	45
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	18
6	Estimated Time Required for Completion	days	30



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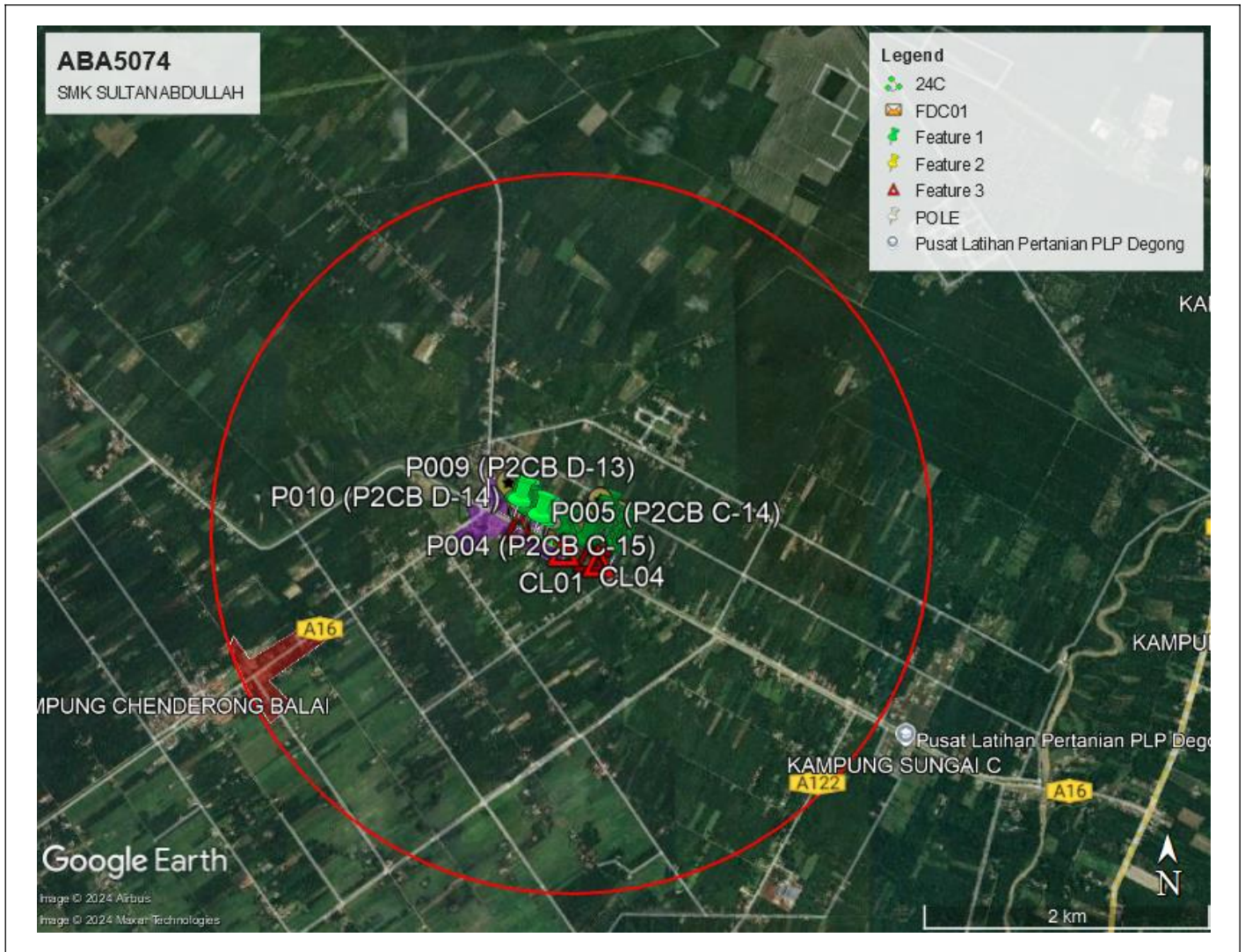
2.0 LOCAL AUTHORITY SUMMARY

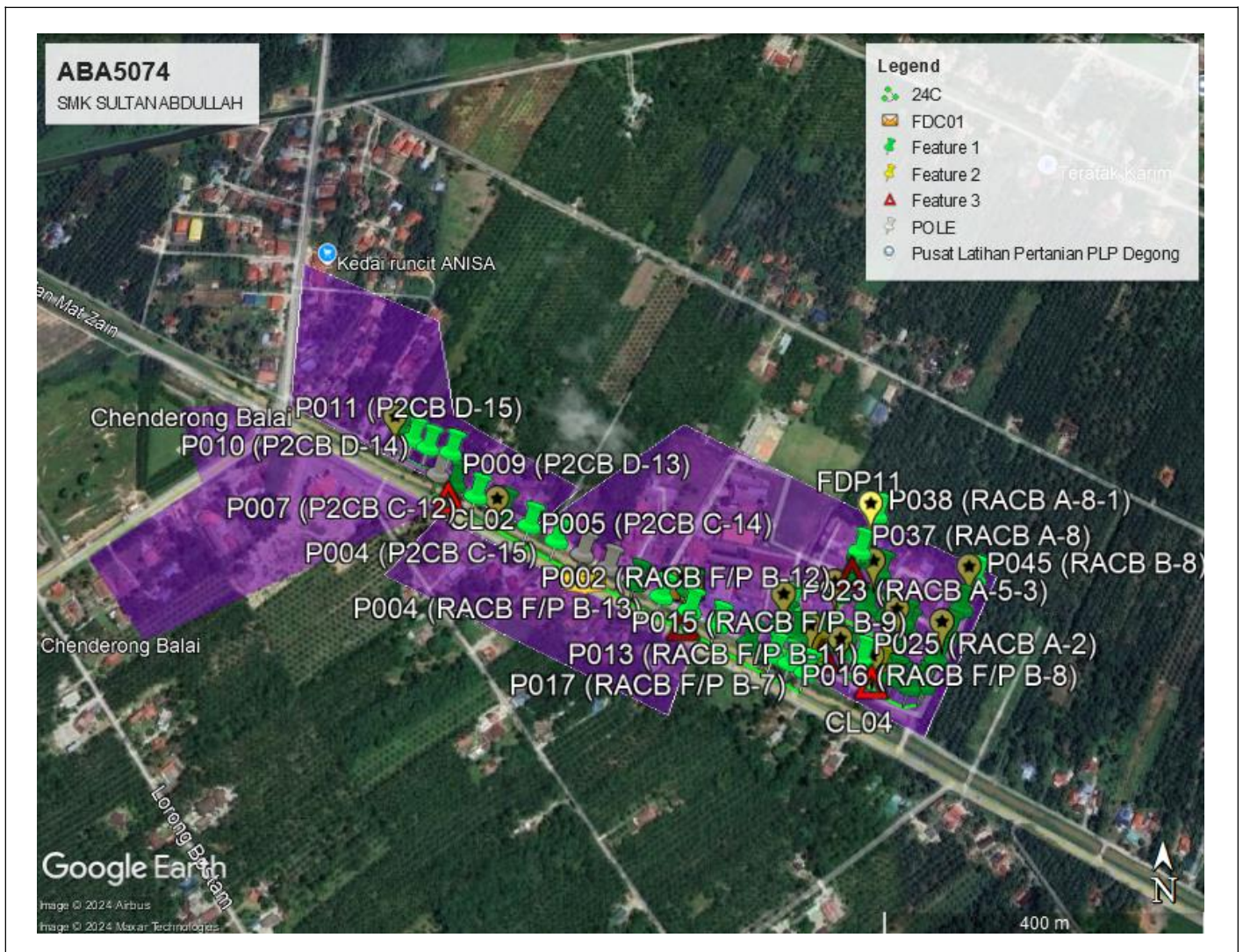
Daerah Taiping

NO	ITEMS	Owner	Quantity	Distance (m)
1	New Pole	JKR	14	560
		Majlis	31	930
		Estate / Private Land	-	-
2		JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total Distance (m)				1490

3.0 SITE PLAN (KMZ)

3.1 Overview Site Area

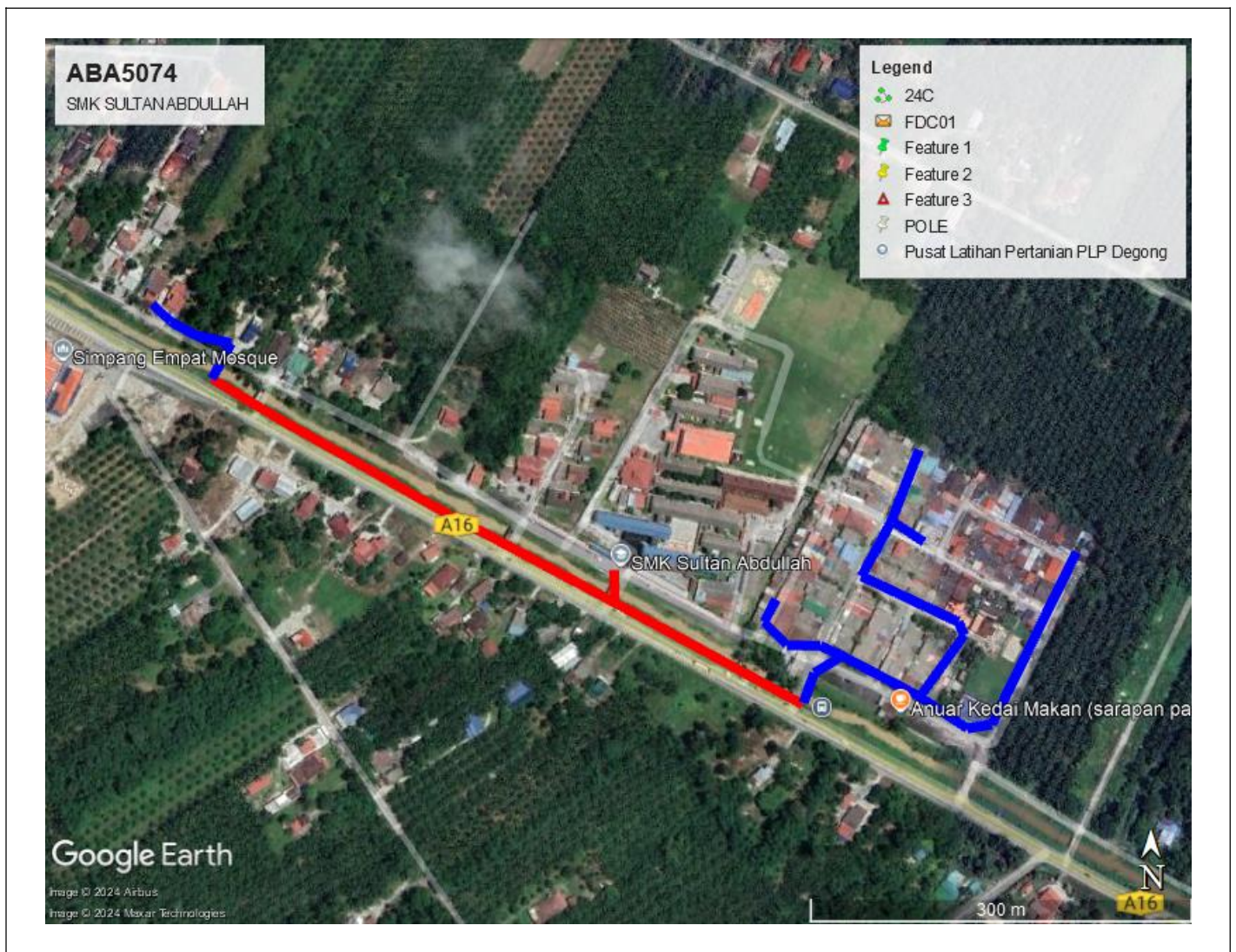




3.2 Site Plan - KMZ Routing (All Local Authority)

Red Colour - JKR Road

Blue Colour - Majlis Road



4.0 PROPOSED NEW POLE

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	FDC POLE	10	4.131874	101.103448	JKR Daerah Teluk Intan
2	T001	20	4.131870	101.103450	JKR Daerah Teluk Intan
3	T002	30	4.131630	101.103460	JKR Daerah Teluk Intan
4	T003	43	4.131800	101.103130	JKR Daerah Teluk Intan
5	T004	39	4.131960	101.102820	JKR Daerah Teluk Intan
6	T005	41	4.132141	101.102499	JKR Daerah Teluk Intan
7	T006	41	4.132310	101.102190	JKR Daerah Teluk Intan
8	T007	41	4.132470	101.101880	JKR Daerah Teluk Intan
9	T008	41	4.132660	101.101550	JKR Daerah Teluk Intan
10	T009	41	4.132840	101.101230	JKR Daerah Teluk Intan
11	T010	41	4.133020	101.100900	JKR Daerah Teluk Intan
12	T011	35	4.133170	101.100640	JKR Daerah Teluk Intan
13	T012	39	4.133294	101.100436	JKR Daerah Teluk Intan
14	T013	34	4.133570	101.100580	JKR Daerah Teluk Intan
15	T014	32	4.133630	101.100300	JKR Daerah Teluk Intan
16	T015	26	4.133730	101.100110	JKR Daerah Teluk Intan
17	T016	23	4.133870	101.099960	JKR Daerah Teluk Intan
18	T017	39	4.131460	101.103780	JKR Daerah Teluk Intan
19	T018	47	4.131250	101.104150	JKR Daerah Teluk Intan
20	T019	36	4.131100	101.104430	JKR Daerah Teluk Intan
21	T020	23	4.131010	101.104620	JKR Daerah Teluk Intan
22	T021	26	4.130900	101.104810	JKR Daerah Teluk Intan
23	T022	27	4.131130	101.104900	JKR Daerah Teluk Intan
24	T023	30	4.131250	101.105090	JKR Daerah Teluk Intan
25	T024	18	4.131310	101.104940	JKR Daerah Teluk Intan
26	T025	29	4.131320	101.104710	JKR Daerah Teluk Intan
27	T026	28	4.131490	101.104550	JKR Daerah Teluk Intan
28	T027	23	4.131680	101.104640	JKR Daerah Teluk Intan
29	T028	23	4.131150	101.105290	JKR Daerah Teluk Intan
30	T029	23	4.131050	101.105460	JKR Daerah Teluk Intan
31	T030	23	4.130950	101.105650	JKR Daerah Teluk Intan
32	T031	15	4.131073	101.105754	JKR Daerah Teluk Intan



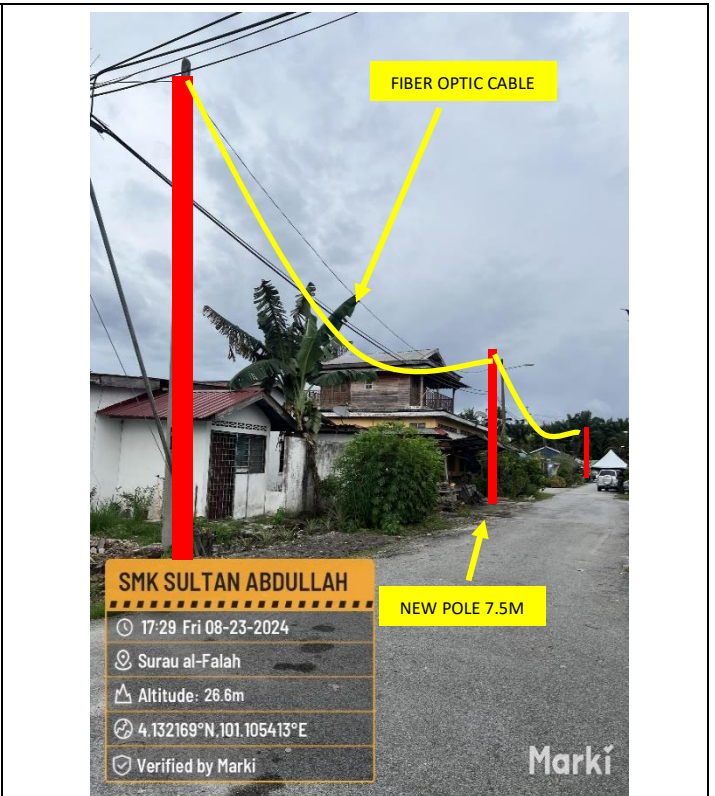
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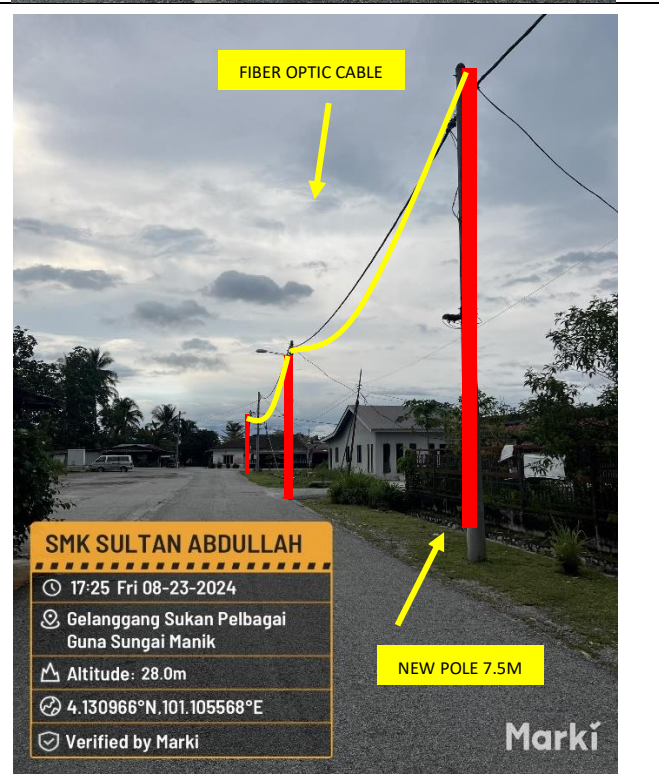
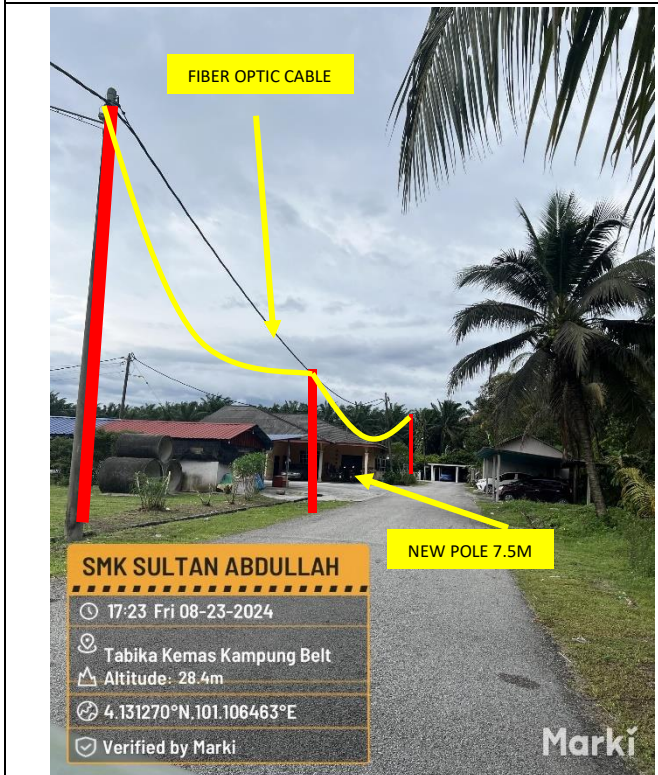
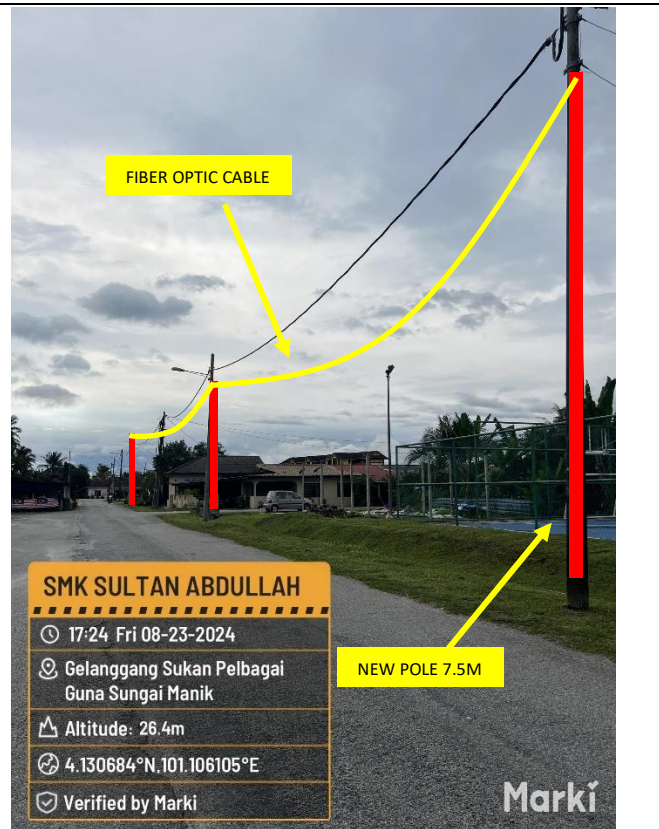


Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
33	T032	35	4.131250	101.105900	JKR Daerah Teluk Intan
34	T033	20	4.131400	101.106000	JKR Daerah Teluk Intan
35	T034	12	4.131500	101.105970	JKR Daerah Teluk Intan
36	T035	26	4.131560	101.105770	JKR Daerah Teluk Intan
37	T036	26	4.131660	101.105550	JKR Daerah Teluk Intan
38	T037	38	4.131820	101.105250	JKR Daerah Teluk Intan
39	T038	27	4.132010	101.105360	JKR Daerah Teluk Intan
40	T039	30	4.132240	101.105480	JKR Daerah Teluk Intan
41	T040	34	4.132080	101.105720	JKR Daerah Teluk Intan
42	T041	17	4.132343	101.105499	JKR Daerah Teluk Intan
43	T042	52	4.132780	101.105720	JKR Daerah Teluk Intan
44	T043	23	4.130830	101.105820	JKR Daerah Teluk Intan
45	T044	23	4.130730	101.106000	JKR Daerah Teluk Intan
46	T045	20	4.130750	101.106170	JKR Daerah Teluk Intan
47	T046	39	4.131050	101.106340	JKR Daerah Teluk Intan
48	T047	38	4.131350	101.106490	JKR Daerah Teluk Intan
49	T048	41	4.131650	101.106670	JKR Daerah Teluk Intan
50	T049	46	4.132010	101.106850	JKR Daerah Teluk Intan

5.0 SITE PHOTOS - PROPOSED NEW POLE





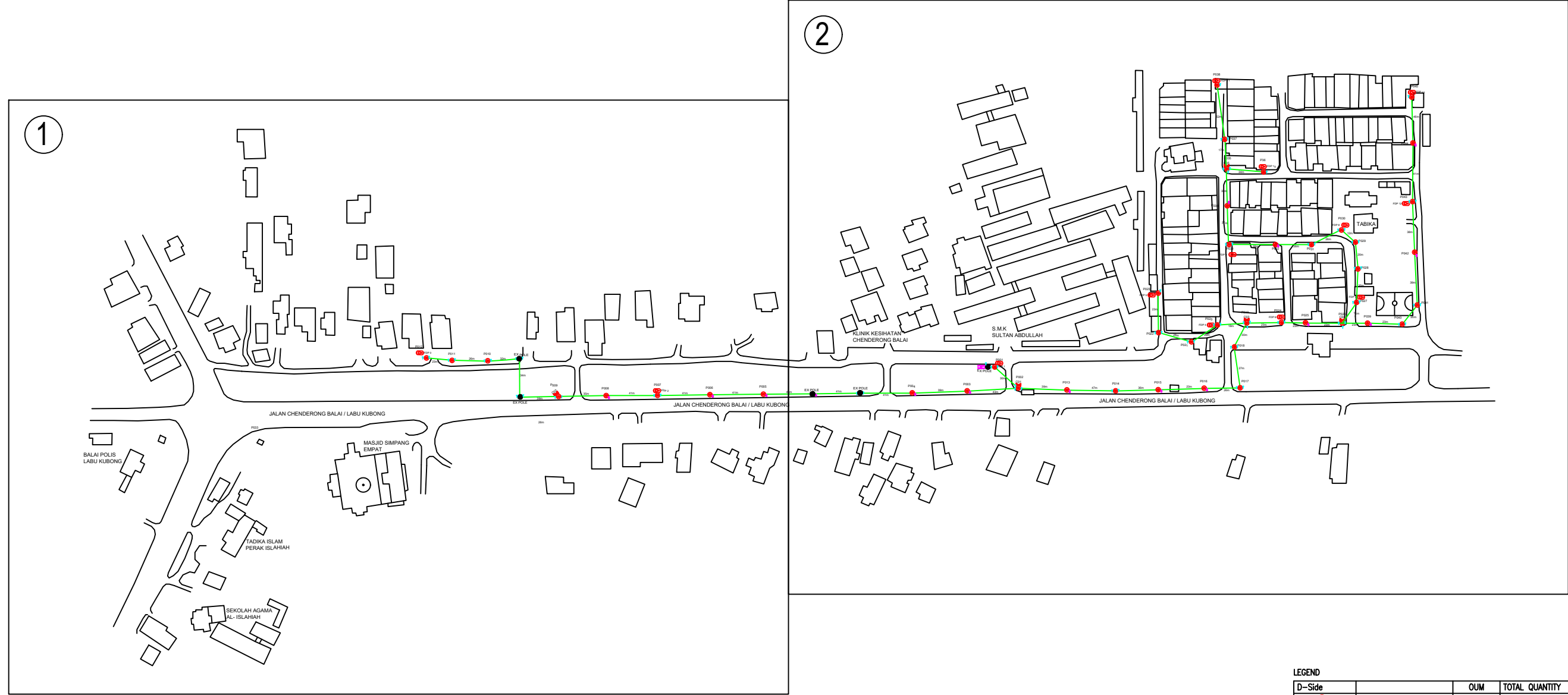


7.0 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Daerah Teluk Intan	852m
2	JKR Daerah Teluk Intan	603m

2

1



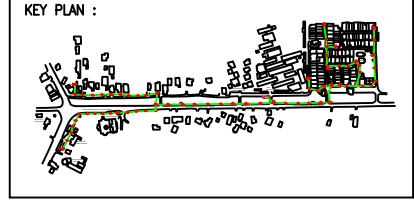
LEGEND

D-Side	Description	Unit	TOTAL QUANTITY
○	New Pole 7.5m	Unit	45
●	New Pole 9m	Unit	0
●	Existing TNB Pole	Unit	5
⊞	Manhole JRC7	Unit	N/A
⊞	FDP	Unit	13
⊞	FDC	Unit	1
⊞	Closure	Unit	5
—	FOC 12C	mtr	N/A
—	FOC 24C	mtr	2000
—	FOC 48C	mtr	N/A
—	FOC 96C	mtr	N/A
—	FOC 144C	mtr	N/A
T	Tension Set (Clamp)	each	66
S	Suspension Set	each	15
PR	Pole Ring	Unit	13
	Stay wire	N/A	N/A
GI	GI Pipe (100mm)	mtr	N/A
	HDD	N/A	N/A
	Pole Extender	N/A	N/A
	Open Cut	N/A	N/A
	Micro Trenching	N/A	N/A

CONSTRUCTION DRAWING (DSIDE)

LEGEND

—	12C FOC	Installed 1:4 splitter in FDC	●	Installed Pole (9m)	⊞	New Manhole(JRC7)	TS / TB	Tension Small / Tension Big	MH1	MH NO.
—	24C FOC	FDP with (1:8) splitter	○	Installed Riser	⊞	TKS-1	Existing Manhole	TKS-1	Existing TNB Pole NO.	
—	48C FOC	Closure	SB	Suspension Big	●	C01	Existing TNB Pole	P001	New Pole NO.	
—	96C FOC	New Manhole (PIT)	SS	Suspension Small	⊞	FDP1	LOOP	SEE A-A in this page		
—	144C FOC	Installed Pole (7.5M)	⊞	FDC	—	FDC	FDP Boundary	SEE SHEET XXX		



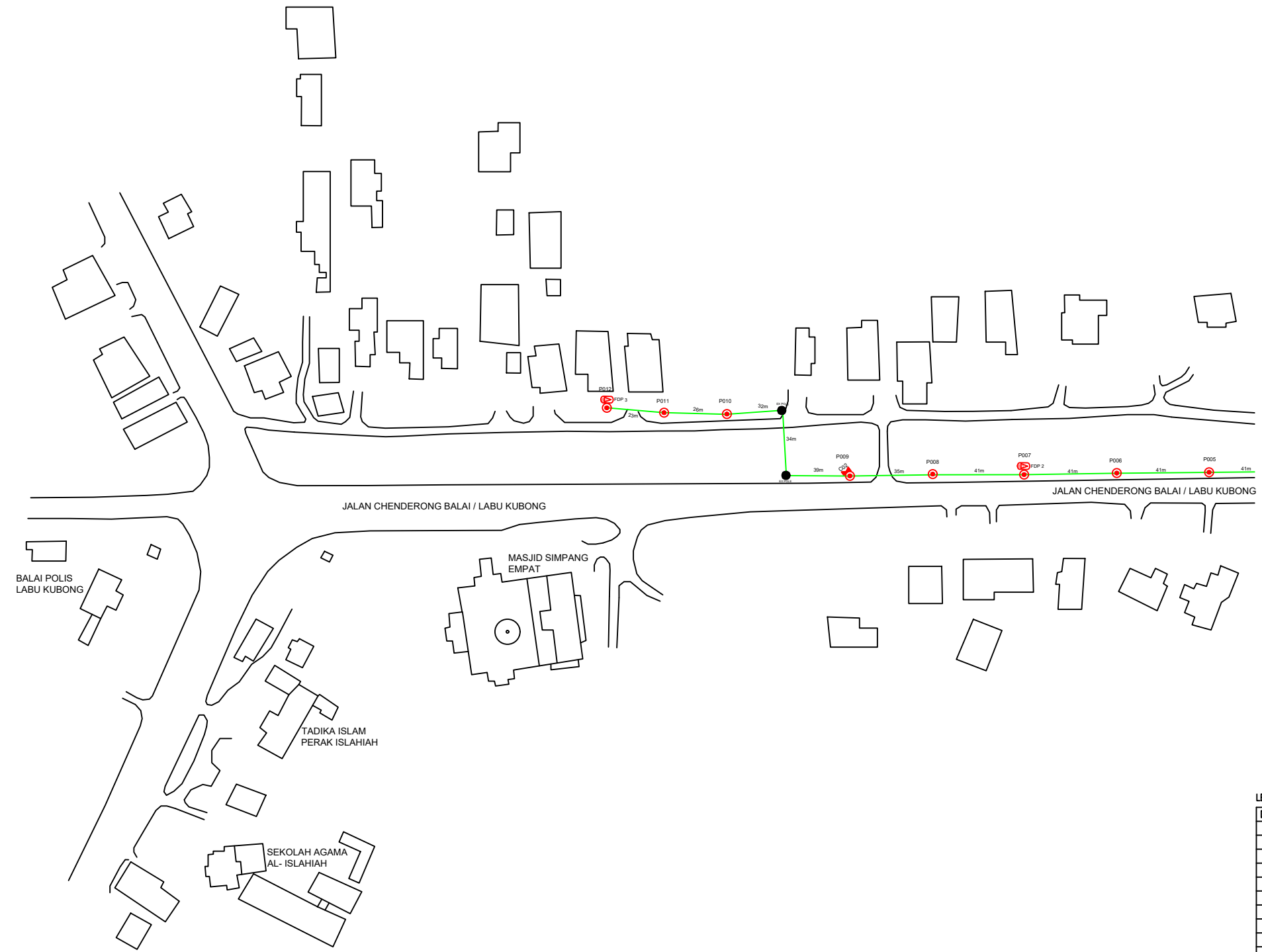
PROJECT TITLE:
 FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SEKOLAH MENENGAH KEBANGSAAN SULTAN ABDULLAH) TO PREMISES PASS AREA

DRAWING TITLE:
 PLAN FOR SEKOLAH MENENGAH KEBANGSAAN SULTAN ABDULLAH

PROJECT PHASE:
 CONSTRUCTION DOCUMENT

Design By : M.DANIEAL ADIKHA	Date : 15/7/24
Drawn By : M.DANIEAL ADIKHA	Scale : NOT TO SCALE
Checked By :	Job Number :
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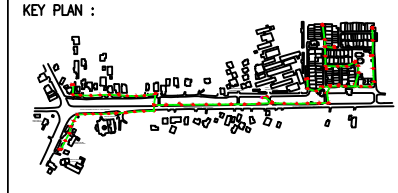
CONSTRUCTION DRAWING (DSIDE)

LEGEND

D-Side	DESCRIPTION	QUM	TOTAL QUANTITY
	New Pole 7.5m	Unit	45
	New Pole 9m	Unit	0
	Existing TNB Pole	Unit	5
	Manhole JRC7	Unit	N/A
	FDP	Unit	13
	FDC	Unit	1
	Closure	Unit	5
	FOC 12C	mtr	N/A
	FOC 24C	mtr	2000
	FOC 48C	mtr	N/A
	FOC 96C	mtr	N/A
	FOC 144C	mtr	N/A
	Tension Set (Clamp)	each	66
	Suspension Set	each	15
	Pole Ring	Unit	13
	Stay wire	N/A	N/A
	GI Pipe (100mm)	mtr	N/A
	HDD	N/A	N/A
	Pole Extender	N/A	N/A
	Open Cut	N/A	N/A
	Micro Trenching	N/A	N/A

LEGEND

	12C FOC	Installed 1:4 splitter in FDC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big		MH NO.
	24C FOC	FDP with (1:8) splitter		Installed Riser		House Number		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			FDP NO.		SEE A-A in this page
	144C FOC		Installed Pole (7.5M)		FDC			FDC NO.		SEE SHEET XXX



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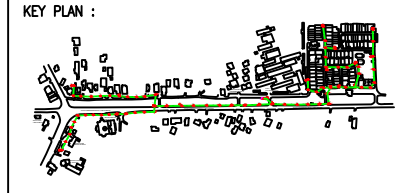
CONSTRUCTION DRAWING (DSIDE)

LEGEND

D-Side	Symbol	Item	Unit	TOTAL QUANTITY
	○	New Pole 7.5m	Unit	45
	●	New Pole 9m	Unit	0
	●	Existing TNB Pole	Unit	5
	⊠	Manhole JRC7	Unit	N/A
	⊠	FDP	Unit	13
	⊠	FDC	Unit	1
	⊠	Closure	Unit	5
	—	FOC 12C	mtr	N/A
	—	FOC 24C	mtr	2000
	—	FOC 48C	mtr	N/A
	—	FOC 96C	mtr	N/A
	—	FOC 144C	mtr	N/A
	T	Tension Set (Clamp)	each	66
	S	Suspension Set	each	15
	PR	Pole Ring	Unit	13
		Stay wire	N/A	N/A
	GI	GI Pipe (100mm)	mtr	N/A
		HDD	N/A	N/A
		Pole Extender	N/A	N/A
		Open Cut	N/A	N/A
		Micro Trenching	N/A	N/A

LEGEND

—	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	TKS-1	Existing Manhole			TKS-1	Existing TNB Pole NO.
—	48C FOC	Closure	SS	Suspension Big	C01	Closure NO.			P001	New Pole NO.
—	96C FOC	New Manhole (PIT)	SS	Suspension Small	FDP1	FDP NO.				SEE A-A in this page
—	144C FOC	Installed Pole (7.5M)	PR	FDC	FDC	FDC NO.				SEE SHEET XXXX

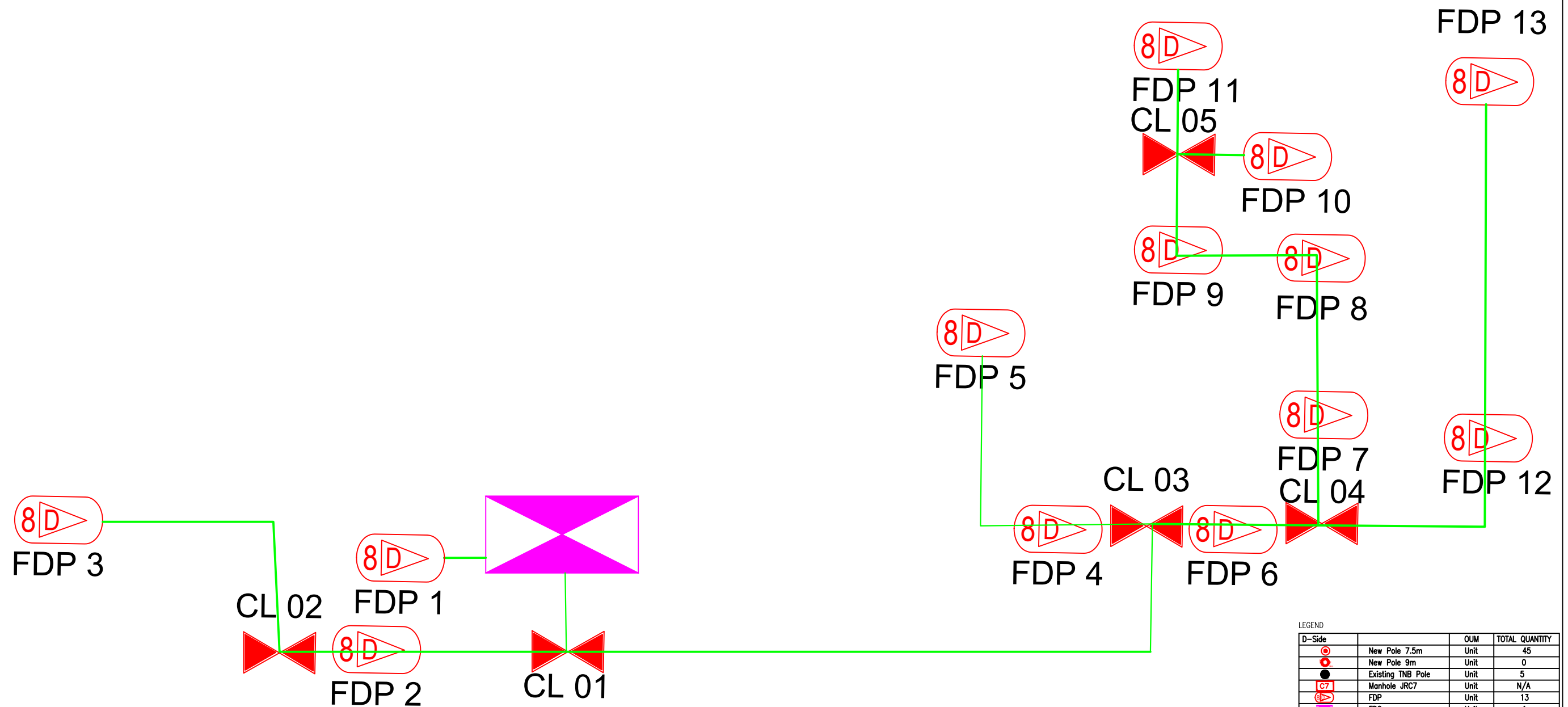


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DRAWING TITLE:
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Drawn By : M.DANIEAL ADIKHA	Scale : NOT TO SCALE
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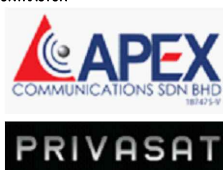

CONSTRUCTION DRAWING (DSIDE)

LEGEND

D-Side	Description	UOM	TOTAL QUANTITY
	New Pole 7.5m	Unit	45
	New Pole 9m	Unit	0
	Existing TNB Pole	Unit	5
	Manhole JRC7	Unit	N/A
	FDP	Unit	13
	FDC	Unit	1
	Closure	Unit	5
	FOC 12C	mtr	N/A
	FOC 24C	mtr	2000
	FOC 48C	mtr	N/A
	FOC 96C	mtr	N/A
	FOC 144C	mtr	N/A
	Tension Set (Clamp)	each	66
	Suspension Set	each	15
	Pole Ring	Unit	13
	Stay wire	N/A	N/A
	GI Pipe (100mm)	mtr	N/A
	HDD	N/A	N/A
	Pole Extender	N/A	N/A
	Open Cut	N/A	N/A
	Micro Trenching	N/A	N/A

LEGEND

Color/Line	Description	Symbol	Description	Symbol	Description	Symbol	Description
Orange	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big
Green	24C FOC		Installed Pole (7.5M)		House Number		Existing Manhole
Purple	48C FOC		FDP with (1:8) splitter		Existing TNB Pole		Existing TNB Pole NO.
Red	96C FOC		Installed Pole (7.5M)		Loop		New Pole NO.
Blue	144C FOC		Installed Pole (7.5M)		FDP Boundary		Closure NO.
			Installed Pole (7.5M)		FDP Boundary		Closure NO.

<p>KEY PLAN :</p>	<p>PROJECT OWNER :</p> 	<p>MAIN CONTRACTOR :</p> 	<p>SUB-CONTRACTOR :</p>  <p>ALLO TECHNOLOGY SDN BHD CYBERVIEW GARDEN VILLAS PERSIRHAN MULTIMEDIA, CYBER 7 43000 CYBERJAYA, SELANGOR DARUL EHSAN. TEL: 1 300-38-0000 FAX: (60) 3 8800 5221 E-MAIL: info@allo.my WEBSITE: HTTP://WWW.ALLO.MY</p>	<p>PROJECT TITLE:</p> <p>FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SEKOLAH MENENGAH KEBANGSAAN SULTAN ABDULLAH) TO PREMISES PASS AREA</p>	<p>DRAWING TITLE:</p> <p>PLAN FOR SEKOLAH MENENGAH KEBANGSAAN SULTAN ABDULLAH</p>	<p>Design By : M.DANIEAL ADIKHA</p> <p>Drawn By : M.DANIEAL ADIKHA</p> <p>Checked By :</p> <p>DRAWING NUMBER : NISB/S.K DATO YAHYA SUBBAN/CD/FTTX/001</p> <p>THIS PRINT AND ITS COPYRIGHT ARE THE PROPERTY OF ALLO TECHNOLOGY SDN BHD</p>	<p>Date : 27/8/24</p> <p>Scale : NOT TO SCALE</p> <p>Job Number :</p> <p>Sheet :</p> <p>Size : A3</p>
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