



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))



TECHNICAL PROPOSAL

POP2 ABA6057 SEKOLAH KEBANGSAAN PERMATANG RAJA (D-SIDE)

Company Name : Archway Mapping Services Sdn. Bhd.
Company Address : No 48-1, Jalan TU39A, Ayer Keroh Melaka
Prepared By : Muhammad Adham
Date : 07/11/2024



Starting Point

Site / Boundary Name : Larut Matang
Address : SK Permatang Raja, Perak
District : Pantai Remis
Postcode : 34900
State : Perak
GPS Coordinate : 4.543181, 100.666809
LRD : A

End Point

Site / Boundary Name : Larut Matang
Address : Taman Pongsu Melati, 34300 Bagan Serai, Perak
District : Pantai Remis
Postcode : 34900
State : Perak
GPS Coordinate : 4.543304,100.667182
LRD : B



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1.0 WORK SUMMARY

NO	PROPOSED DISTANCE AND METHOD	UNIT	QUANTITY
1	Horizontal Directional Drilling (HDD)	m	100
2	Carriage Way Open Trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	6
4	Micro Trenching (MT)	m	0
Total			0

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fibre Cables	m	3298
2	Install New Pole	ea	81
3	Install New JRC7 Manhole	ea	3
4	Install GI Riser 100mm	ea	12
5	Install Fiber Distribution Point	ea	15
6	Install Closure	ea	2
7	Estimated Time Required for Completion	days	14

2.0 LOCAL AUTHORITY SUMMARY

Daerah Kerian

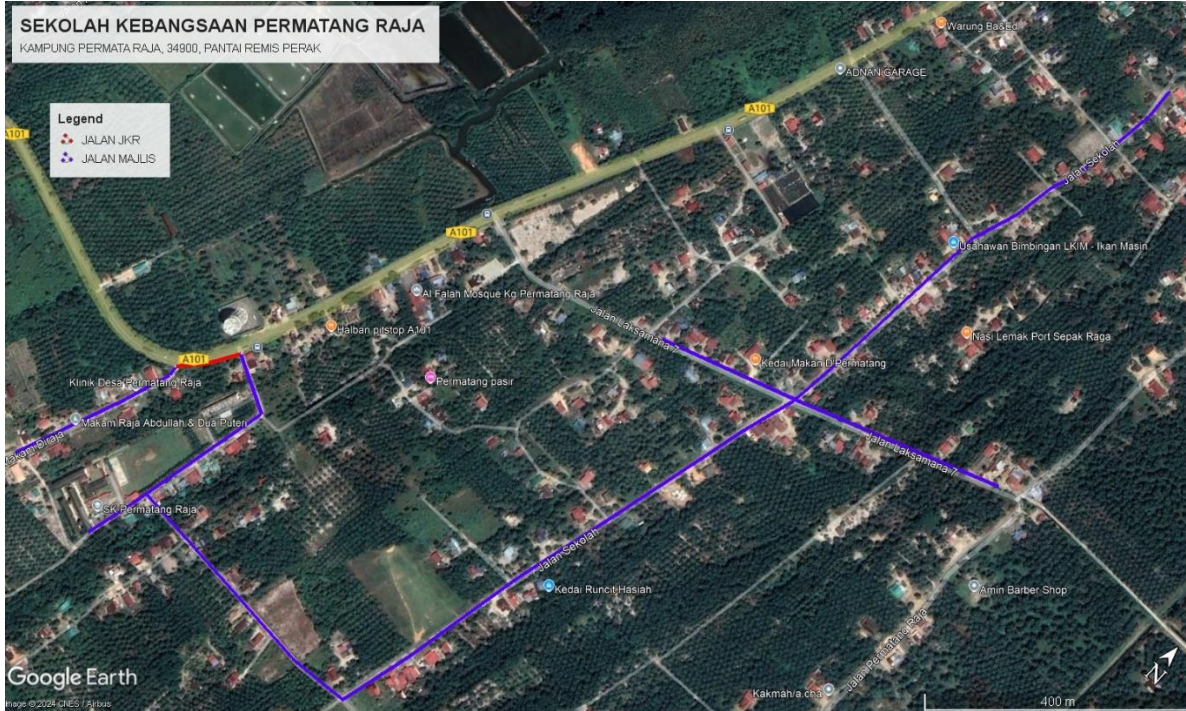
Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	1	100m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	-	-
		Majlis	81	3198m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				3298

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 FDP

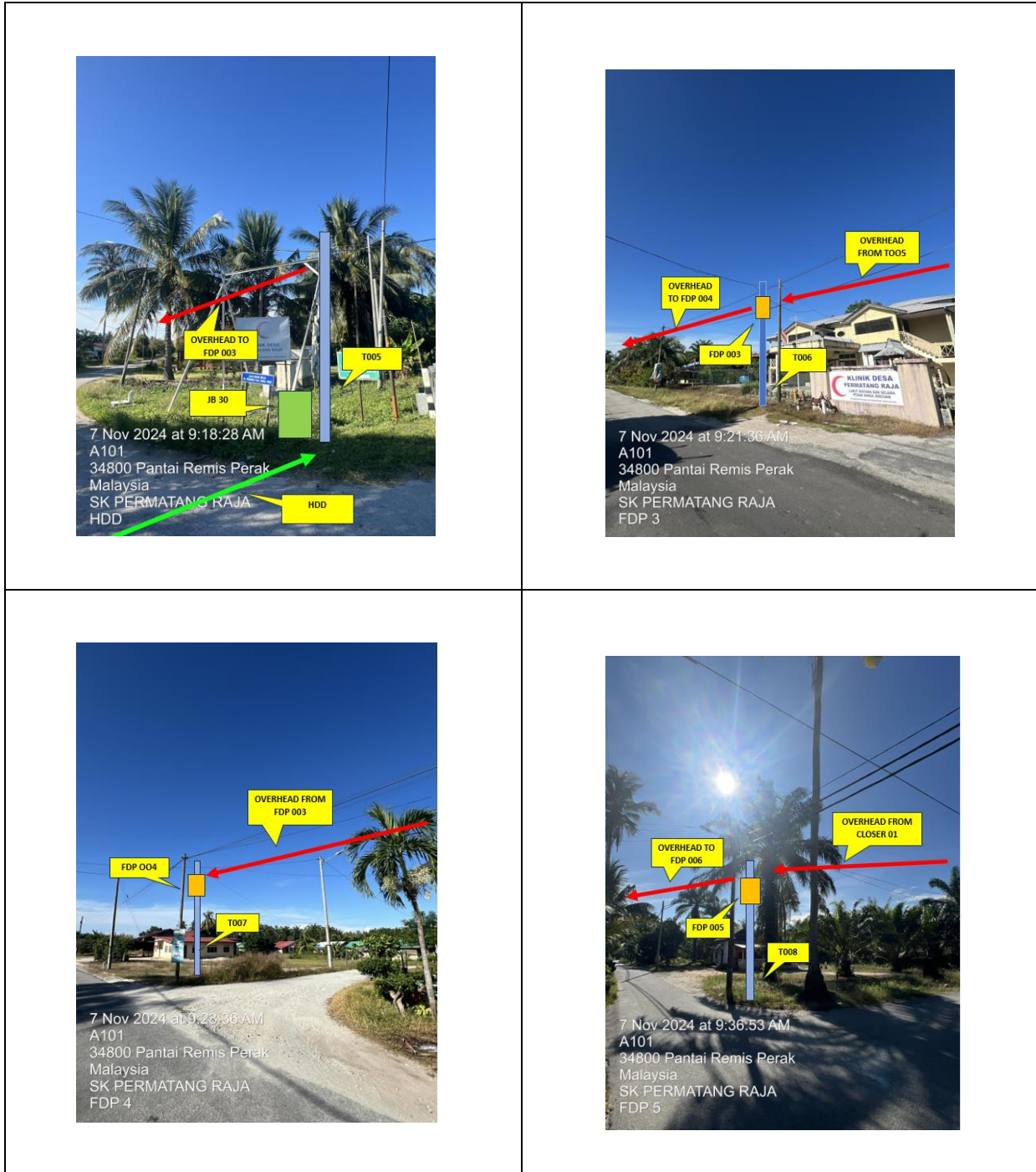
Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	FDC	0	4.323587	100.401490	Majlis Daerah Road
2	T001	60	4.323409	100.400124	Majlis Daerah Road
3	T002	30	4.323516	100.400142	Majlis Daerah Road
4	T003/FDP1/CL01	0	4.323601	100.400162	Majlis Daerah Road
5	T004/CL02	40	4.323708	100.400186	Majlis Daerah Road
6	T005	40	4.323859	100.400230	Majlis Daerah Road
7	T006/FDP2	40	4.324041	100.400279	Majlis Daerah Road
8	T007	40	4.324193	100.400304	Majlis Daerah Road
9	T008	40	4.324333	100.400334	Majlis Daerah Road
10	T009	40	4.324404	100.400294	Majlis Daerah Road
11	T010	40	4.324461	100.400180	Majlis Daerah Road
12	T011	40	4.324514	100.400062	Majlis Daerah Road
13	T012	310	4.324255	100.395858	Majlis Daerah Road
14	T013	40	4.324117	100.395844	Majlis Daerah Road
15	T014/FDP3	40	4.323960	100.395778	Majlis Daerah Road
16	T015	40	4.323812	100.395724	Majlis Daerah Road
17	T016	40	4.323677	100.395668	Majlis Daerah Road
18	T017	40	4.323520	100.395607	Majlis Daerah Road
19	T018/FDP4	40	4.323418	100.395571	Majlis Daerah Road
20	T019	30	4.323706	100.400351	Majlis Daerah Road
21	T020/FDP5	30	4.323692	100.400513	Majlis Daerah Road
22	T021	30	4.323677	100.400680	Majlis Daerah Road
23	T022	30	4.323668	100.400843	Majlis Daerah Road
24	T023	30	4.323654	100.400982	Majlis Daerah Road
25	T024	30	4.323636	100.401123	Majlis Daerah Road
26	T025	35	4.323636	100.401226	Majlis Daerah Road
27	T026	35	4.323631	100.401338	Majlis Daerah Road
28	T027	30	4.323636	100.401457	Majlis Daerah Road
29	T028	30	4.323652	100.401562	Majlis Daerah Road
30	T029	30	4.323765	100.401595	Majlis Daerah Road
31	T030	30	4.323872	100.401631	Majlis Daerah Road
32	T031/FDP6	30	4.324011	100.401674	Majlis Daerah Road
33	T032	30	4.324106	100.401685	Majlis Daerah Road
34	T033	30	4.324227	100.401718	Majlis Daerah Road
35	T034	30	4.324388	100.401758	Majlis Daerah Road
36	T035	30	4.324551	100.401791	Majlis Daerah Road
37	T036/FDP7	30	4.324636	100.401811	Majlis Daerah Road
38	T037	30	4.324729	100.401827	Majlis Daerah Road
39	T038	30	4.324871	100.401885	Majlis Daerah Road

40	T039	30	4.325012	100.401924	Majlis Daerah Road
41	T040/FDP8	30	4.325134	100.401953	Majlis Daerah Road
42	T041	30	4.325227	100.401977	Majlis Daerah Road
43	T042	30	4.325386	100.402021	Majlis Daerah Road
44	T043	30	4.325519	100.402060	Majlis Daerah Road
45	T044	30	4.325669	100.402097	Majlis Daerah Road
46	T045	39	4.325822	100.402135	Majlis Daerah Road
47	T046/FDP9	39	4.325909	100.402160	Majlis Daerah Road
48	T047	39	4.330061	100.402195	Majlis Daerah Road
49	T048/CL03	39	4.330189	100.402230	Majlis Daerah Road
50	T049	39	4.330229	100.402332	Majlis Daerah Road
51	T050	32	4.330268	100.402465	Majlis Daerah Road
52	T051	32	4.330319	100.402607	Majlis Daerah Road
53	T052	32	4.330365	100.402741	Majlis Daerah Road
54	T053	32	4.330421	100.402892	Majlis Daerah Road
55	T054	32	4.330457	100.403000	Majlis Daerah Road
56	T055	30	4.330514	100.403148	Majlis Daerah Road
57	T056/FDP10	30	4.330571	100.403294	Majlis Daerah Road
58	T057	30	4.330162	100.402141	Majlis Daerah Road
59	T058	30	4.330120	100.101989	Majlis Daerah Road
60	T059	30	4.330078	100.401849	Majlis Daerah Road
61	T060	30	4.330027	100.401698	Majlis Daerah Road
62	T061/FDP11	30	4.325985	100.401554	Majlis Daerah Road
63	T062	30	4.330302	100.402248	Majlis Daerah Road
64	T063/FDP12	35	4.330436	100.402262	Majlis Daerah Road
65	T064	35	4.330580	100.402289	Majlis Daerah Road
66	T065	35	4.330709	100.402615	Majlis Daerah Road
67	T066	35	4.330840	100.402331	Majlis Daerah Road
68	T067/FDP13	35	4.330951	100.402346	Majlis Daerah Road
69	T068	35	4.331109	100.402358	Majlis Daerah Road
70	T069	35	4.321244	100.402385	Majlis Daerah Road
71	T070	35	4.331378	100.402399	Majlis Daerah Road
72	T071	35	4.331471	100.402415	Majlis Daerah Road
73	T072	35	4.331570	100.402442	Majlis Daerah Road
74	T073	35	4.331668	100.402465	Majlis Daerah Road
75	T074	35	4.331799	100.402487	Majlis Daerah Road
76	T075	35	4.331965	100.402550	Majlis Daerah Road
77	T076/FDP14	35	4.332171	100.402577	Majlis Daerah Road
78	T077	30	4.332261	100.402609	Majlis Daerah Road
79	T078	30	4.332426	100.402632	Majlis Daerah Road
80	T079	30	4.332599	100.402616	Majlis Daerah Road
81	T080	30	4.332728	100.402595	Majlis Daerah Road
82	T081/FDP15	30	4.332783	100.402690	Majlis Daerah Road

**5.0 SITE PHOTOS -
 PROPOSED NEW POLE**



**5.1 SITE PHOTOS -
 PROPOSED NEW POLE**



**5.2 SITE PHOTOS –
 PROPOSED NEW POLE**



**5.3 SITE PHOTOS –
 PROPOSED NEW POLE**



**5.4 SITE PHOTOS –
PROPOSED NEW POLE**



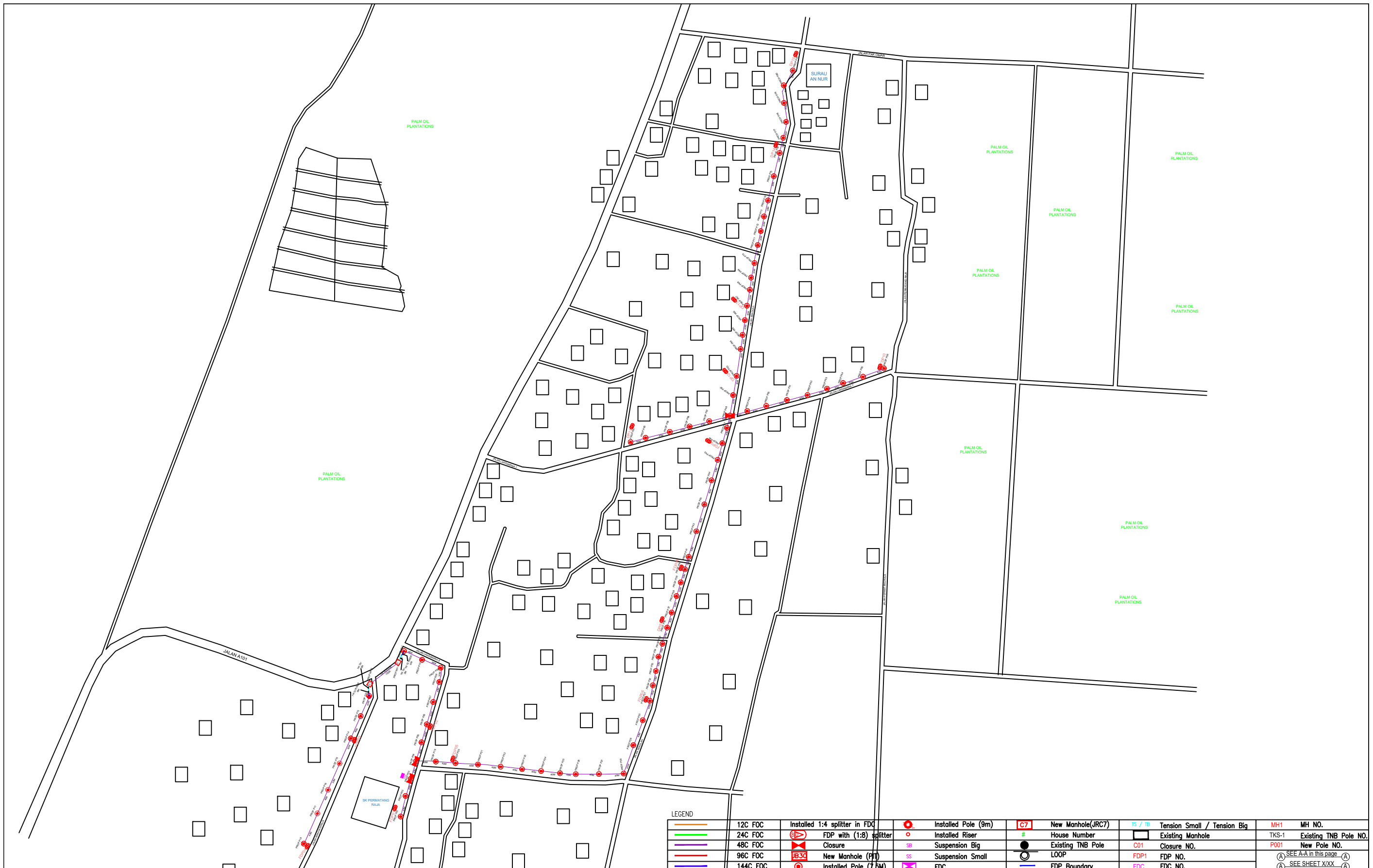


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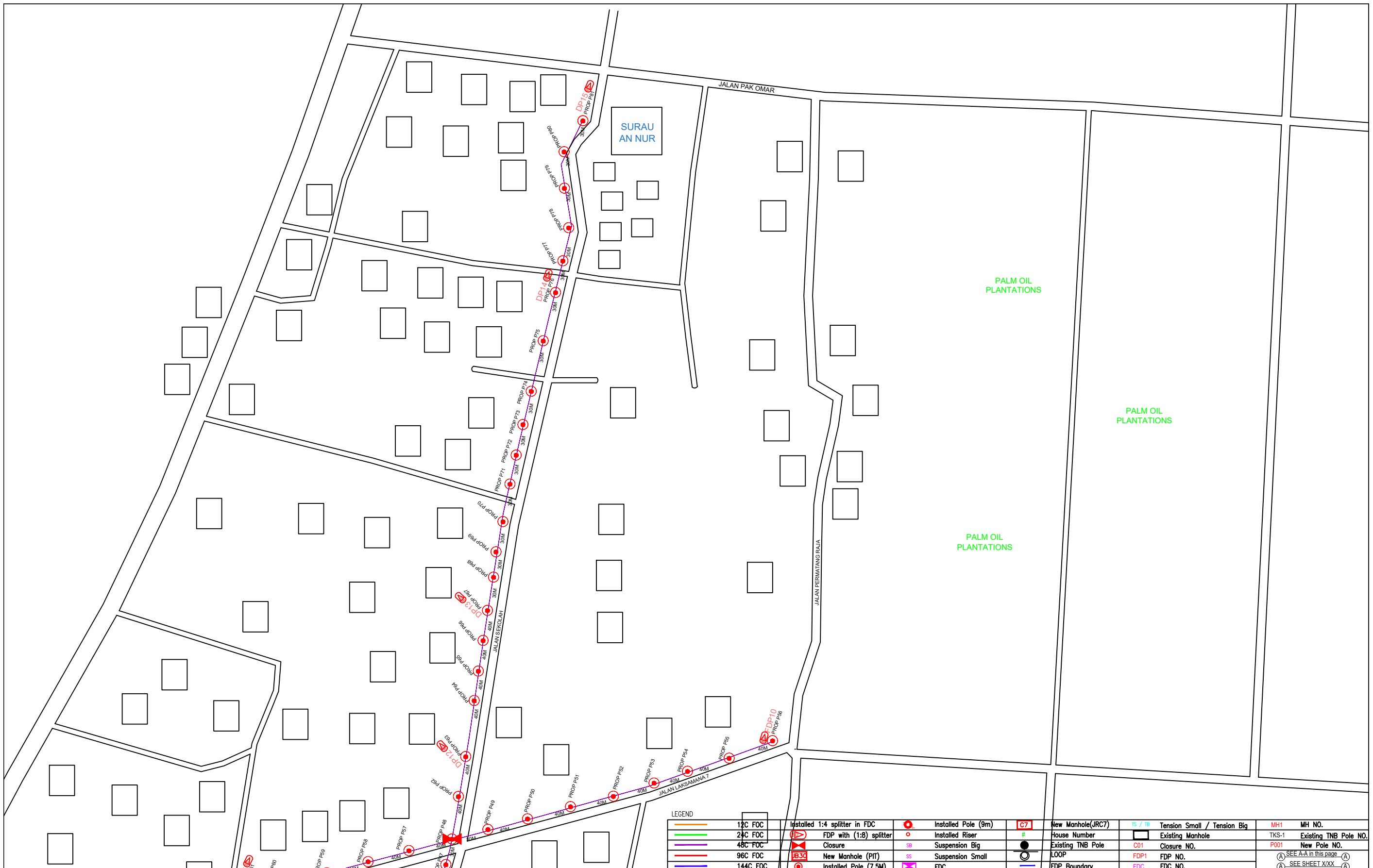
6.0 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Daerah Manjung	3298m



LEGEND	
	12C FOC
	24C FOC
	48C FOC
	96C FOC
	144C FOC
	Installed 1:4 splitter in FDP
	FDP with (1:8) splitter
	Closure
	New Manhole (PT)
	Installed Pole (7.5M)
	Installed Pole (9m)
	Installed Riser
	Suspension Big
	Suspension Small
	FDC
	New Manhole (JRC7)
	House Number
	Existing TNB Pole
	LOOP
	FDP Boundary
	Tension Small / Tension Big
	Existing Manhole
	Closure NO.
	FDP NO.
	FDC NO.
	MH1
	MH NO.
	TKS-1
	Existing TNB Pole NO.
	P001
	New Pole NO.
	SEE A-A in this page
	SEE SHEET XXX

KEY PLAN :	PROJECT OWNER :	MAIN CONTRACTOR :	SUB-CONTRACTOR :	PROJECT TITLE:	DRAWING TITLE:	Design By : ENGINEER	Date : DATE
				PROPOSAL FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SK PERMATANG RAJA) TO PREMISES PASS AREA	SK PERMATANG RAJA	Drawn By : CAD ENGINEER	Scale : NTS
			 No 48 Jalan TU 39A, Taman Tasik Utama, 75450 Ayer Keroh, Melaka Tel: 606-233 9165 Fax: 606-233 9162 Email : info@archwaymalaysia.com Website : www.archwaymalaysia.com		PROJECT PHASE:	Checked By : ENGINEER	Job Number : JOB/NUMBER
					PROJECT PHASE	DRAWING NUMBER : DRAWING/NUMBER	
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						Sheet : 1/1	Size : A3



LEGEND									
	12C FOC		Installed 1:4 splitter in FDC		Installed Pole (9m)		C7		New Manhole(JRC7)
	24C FOC		FDP with (1:8) splitter		Installed Riser		#		Tension Small / Tension Big
	48C FOC		Closure		Suspension Big		TKS-1		Existing Manhole
	96C FOC		New Manhole (PIT)		Suspension Small		C01		Closure NO.
	144C FOC		Installed Pole (7.5M)		FDC		LOOP		FDP NO.
					FDP Boundary		FDC NO.		SEE A-A in this page
							SEE SHEET XXX		SEE SHEET XXX

KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR




APEX COMMUNICATIONS SDN BHD



PRIVASAT

SUB-CONTRACTOR :



ARCHWAY MAPPING SERVICES SDN BHD

No 48 Jalan TU 39A, Taman Tasik Utama, 75450 Ayer Keroh, Melaka

Tel: 606-233 9165 Fax: 606-233 9162
Email: info@archwaymalaysia.com
Website: www.archwaymalaysia.com

PROJECT TITLE:

PROPOSAL FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SK PERMATANG RAJA) TO PREMISES PASS AREA

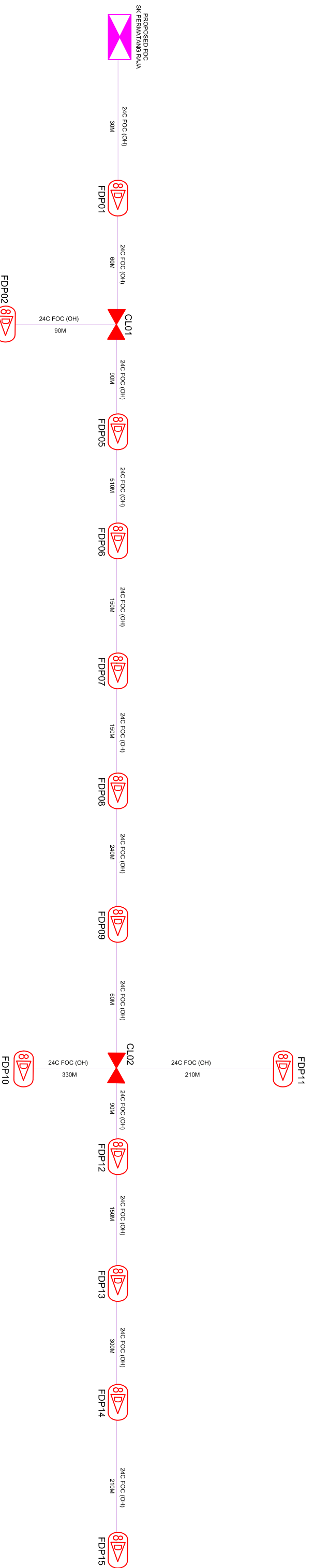
DRAWING TITLE:

SK PERMATANG RAJA

PROJECT PHASE:

PROJECT PHASE

Design By : ENGINEER	Date : DATE
Drawn By : CAD ENGINEER	Scale : NTS
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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	House Number	#	Existing Manhole	TKS-1	Existing TNB Pole NO.
48C FOC	Closure	Suspension Big	Existing TNB Pole	●	Loop	P001	New Pole NO.
96C FOC	New Manhole (PT)	Suspension Small	FDP Boundary	—			SEE A&I IN THE DRAWING
144C FOC	Installed Pole (7.5M)	FDC					SEE SHEET XXX

KEY PLAN :

PROJECT OWNER :



MAIN CONTRACTOR



PROJECT TITLE:

PROJECT (D-SIDE) FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SK PERMATANG RAJA) TO PREMISES PASS AREA

DRAWING TITLE:

D-SIDE – SK PERMATANG RAJA

PROJECT PHASE:

PROJECT PHASE

Design By : ENGINEER

Drawn By : CAD ENGINEER

Checked By : ENGINEER

DRAWING NUMBER :

DRAWING/NUMBER

Job Number : JOB/NUMBER

Date : DATE

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