

# TECHNICAL PROPOSAL (POP2 ABAB007 SEKOLAH KEBANGSAAN SUNGAI PULAU (D-SIDE))

**Company Name** : Archway Mapping Services Sdn. Bhd.  
**Company Address** : No 48-1, Jalan TU39A, Ayer Keroh Melaka  
**Prepared By** : Muhammad Adham  
**Date** : 22/09/2025



**Starting Point**

Site / Boundary Name : HILIR PERAK  
 Address : SK SUNGAI PULAU  
 District : HUTAN MELINTANG  
 Postcode : 36400  
 State : PERAK  
 GPS Coordinate : 3.868331, 100.884392  
 LRD : A

**End Point**

Site / Boundary Name : HILIR PERAK  
 Address : JALAN JG PARIT 23  
 District : HUTAN MELINTANG  
 Postcode : 36400  
 State : PERAK  
 GPS Coordinate : 3.867647, 100.861217  
 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))



## 1.0 WORK SUMMARY

NO	PROPOSED DISTANCE AND METHOD	UNIT	QUANTITY
1	Horizontal Directional Drilling (HDD)	m	2271
2	Carriage Way Open Trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro Trenching (MT)	m	0
Total			2271

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fibre Cables	m	3333
2	Install New Pole	ea	41
3	Install New JRC7 Manhole	ea	18
4	Install GI Riser 100mm	m	51
5	Install Fiber Distribution Point	ea	9
6	Install Closure	ea	2
7	Estimated Time Required for Completion	days	40

## 2.0 LOCAL AUTHORITY SUMMARY

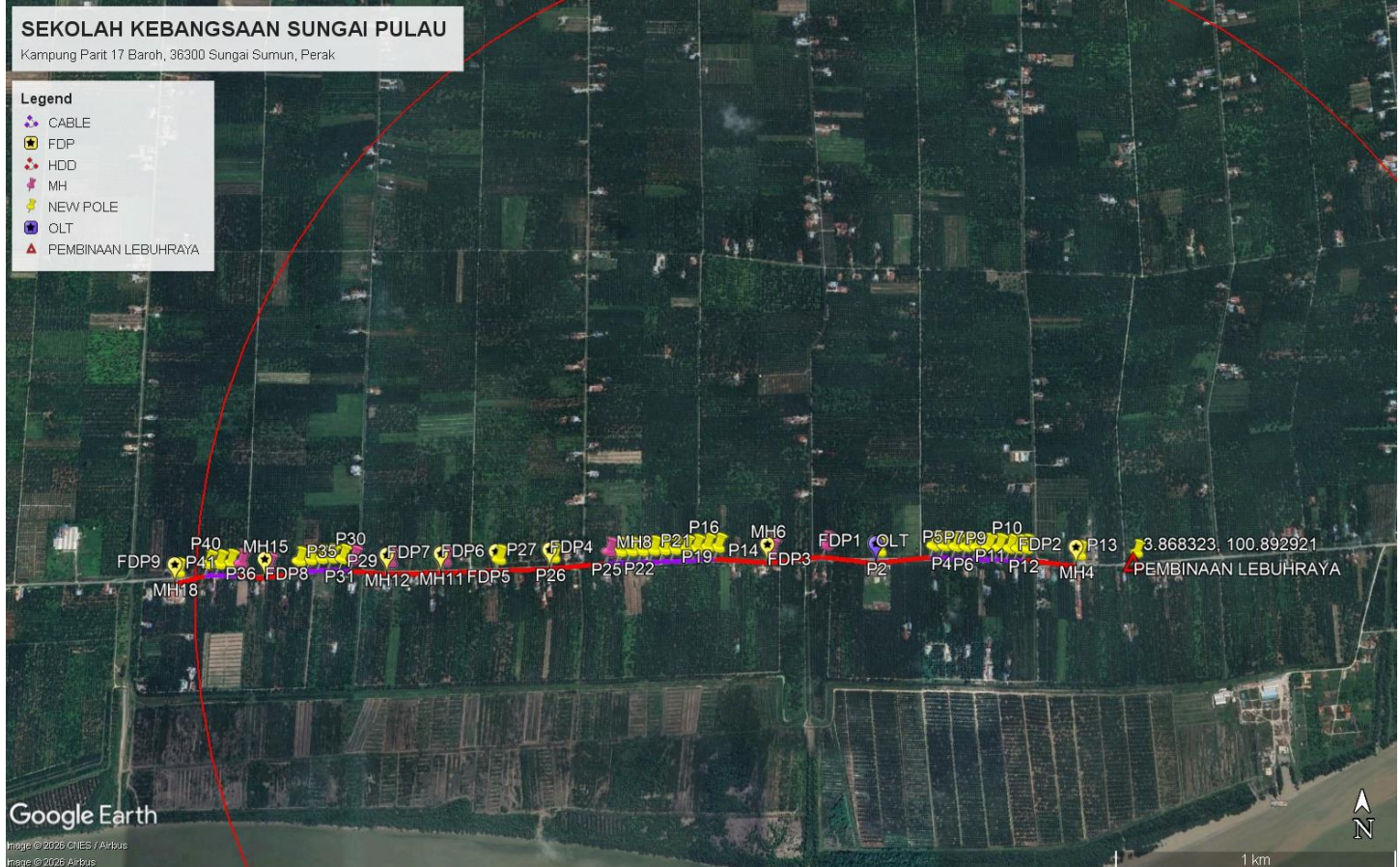
Daerah HILIR PERAK

Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	1	2271m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	41	1062m
		Majlis	-	-
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				3333m

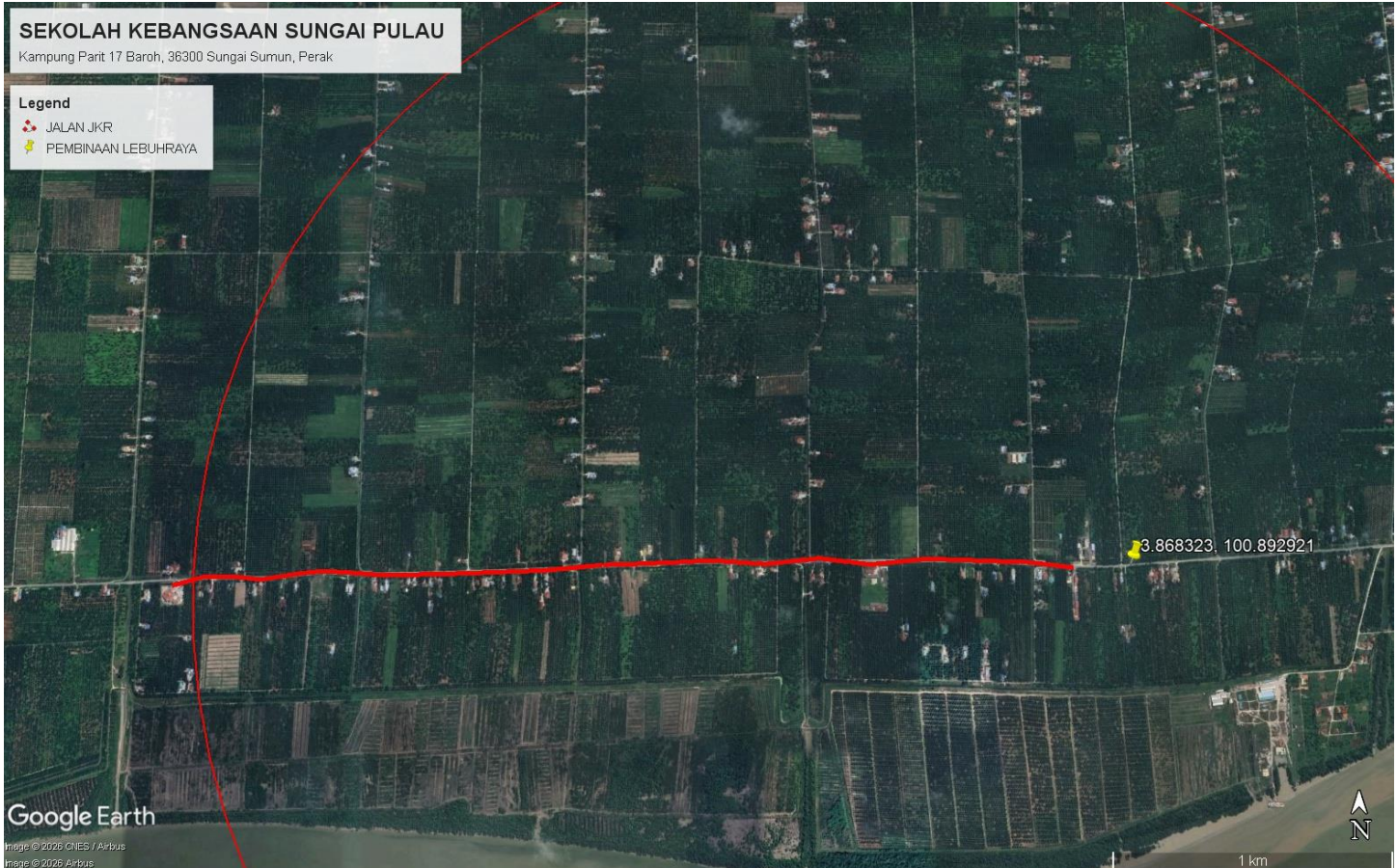
### 3.0 SITE PLAN (KMZ)

#### 3.1 Overview Site Area

5.017300



### 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	T001	0	3.868331	100.884392	JKR Road
2	T002	40	3.868337	100.884392	JKR Road
3	T003	40	3.868515	100.886188	JKR Road
4	T004	40	3.868511	100.886542	JKR Road
5	T005	40	3.868489	100.886914	JKR Road
6	T006	40	3.868484	100.887265	JKR Road
7	T007	40	3.868470	100.887621	JKR Road
8	T008	40	3.868454	100.887990	JKR Road
9	T009	40	3.868447	100.888344	JKR Road
10	T010	40	3.868431	100.888704	JKR Road
11	T011	40	3.868425	100.888983	JKR Road
12	T012	40	3.868424	100.889255	JKR Road
13	T013	40	3.868217	100.891011	JKR Road
14	T014	40	3.868323	100.880809	JKR Road
15	T015	40	3.868462	100.879044	JKR Road
16	T016	40	3.868457	100.878671	JKR Road
17	T017	40	3.868422	100.878314	JKR Road
18	T018	40	3.868408	100.877969	JKR Road
19	T019	40	3.868393	100.877604	JKR Road
20	T020	40	3.868380	100.877248	JKR Road
21	T021	40	3.868367	100.876905	JKR Road
22	T022	40	3.868349	100.876526	JKR Road
23	T023	40	3.868339	100.876166	JKR Road
24	T024	40	3.868329	100.875798	JKR Road
25	T025	40	3.868319	100.875441	JKR Road
26	T026	40	3.868130	100.873601	JKR Road
27	T027	40	3.868067	100.871808	JKR Road
28	T028	40	3.868024	100.869996	JKR Road
29	T029	40	3.867978	100.868201	JKR Road
30	T030	40	3.868069	100.866987	JKR Road
31	T031	40	3.868089	100.866630	JKR Road
32	T032	40	3.868107	100.866266	JKR Road
33	T033	40	3.868090	100.865915	JKR Road
34	T034	40	3.868053	100.865557	JKR Road
35	T035	40	3.868009	100.865195	JKR Road
36	T036	40	3.867838	100.864194	JKR Road
37	T037	40	3.867935	100.863279	JKR Road
38	T038	40	3.867929	100.862915	JKR Road



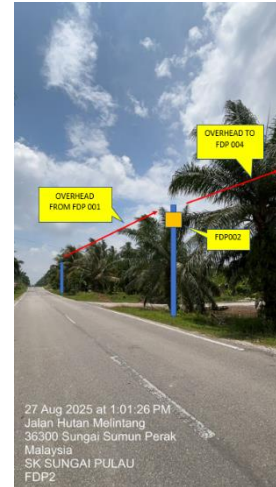
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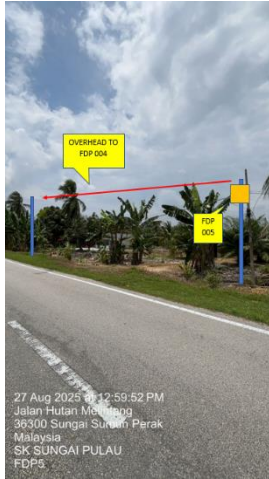


39	T039	40	3.867918	100.862555	JKR Road
40	T040	40	3.867914	100.862198	JKR Road
41	T041	40	3.867647	100.861217	JKR Road

BIL	TYPE	7.5m	9m	TOTAL
1	No of Pole	40	1	41

5.0 SITE PHOTOS - PROPOSED NEW POLE







PROJEK PENYEDIAAN DAN PENYELENGGARAAN POINT OF PRESENCE (POP)  
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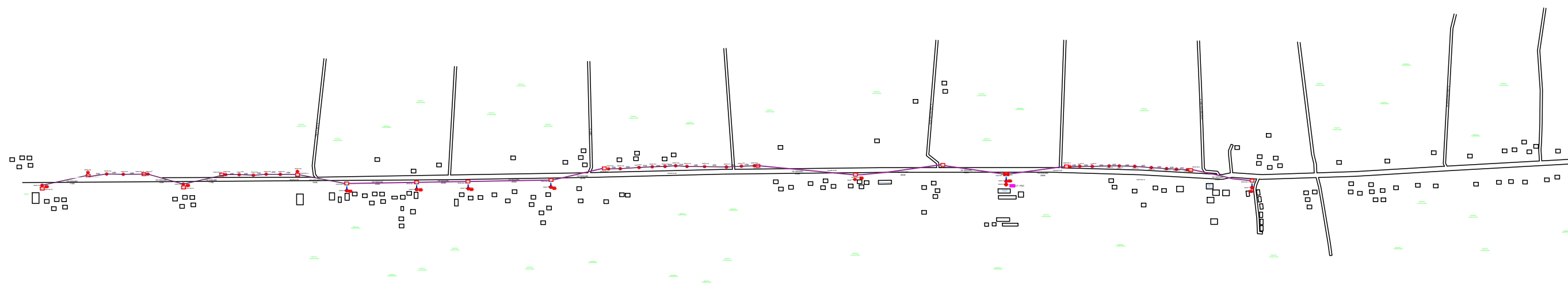


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## 6.0 3<sup>rd</sup> PARTIES DEPENDENCIES

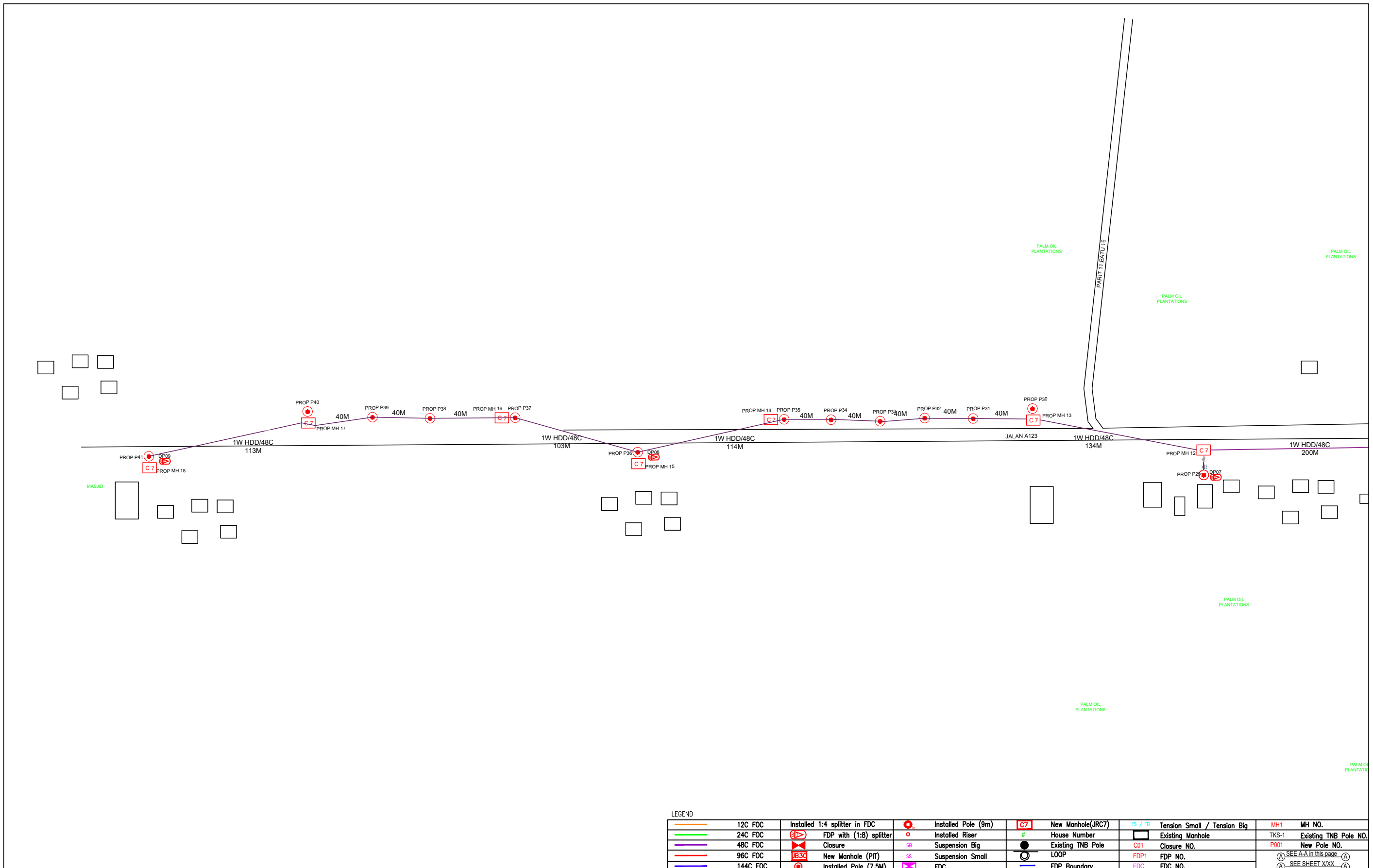
NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Daerah Hilir Perak	3333m



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	#	House Number	Existing Manhole	TKS-1	Existing TNB Pole NO.
48C FOC	Closure	Suspension Big	SB	Existing TNB Pole	C01	Closure NO.	P001
96C FOC	New Manhole (PIT)	Suspension Small	SS	LOOP	FDP1	FDP NO.	(A) SEE A-A in this page (A)
144C FOC	Installed Pole (7.5M)	FDC	FDC	FDP Boundary	FDC	FDC NO.	(A) SEE SHEET XXX (A)

KEY PLAN :	PROJECT OWNER : 	MAIN CONTRACTOR  <b>PRIVASAT</b>	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 SUNGAI PULAU) TO PREMISES PASS AREA	DRAWING TITLE: SK SUNGAI PULAU	Design By : ENGINEER Date : DATE
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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		LOOP		Closure NO.		New Pole NO.
	96C FOC		New Manhole (PIT)		Suspension Small		FDP NO.		FDC NO.		SEE A-A in this page
	144C FOC		Installed Pole (7.5M)		FDC		FDP Boundary		SEE SHEET XXX		

KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR



APEX COMMUNICATIONS SDN BHD



PRIVASAT

SUB-CONTRACTOR :



ARCHWAY

ARCHWAY MAPPING SERVICES SDN BHD  
No 48 Jalan TU 39A, Taman Tasik Utama,  
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Email : info@archwaymalaysia.com  
Website : www.archwaymalaysia.com

PROJECT TITLE:

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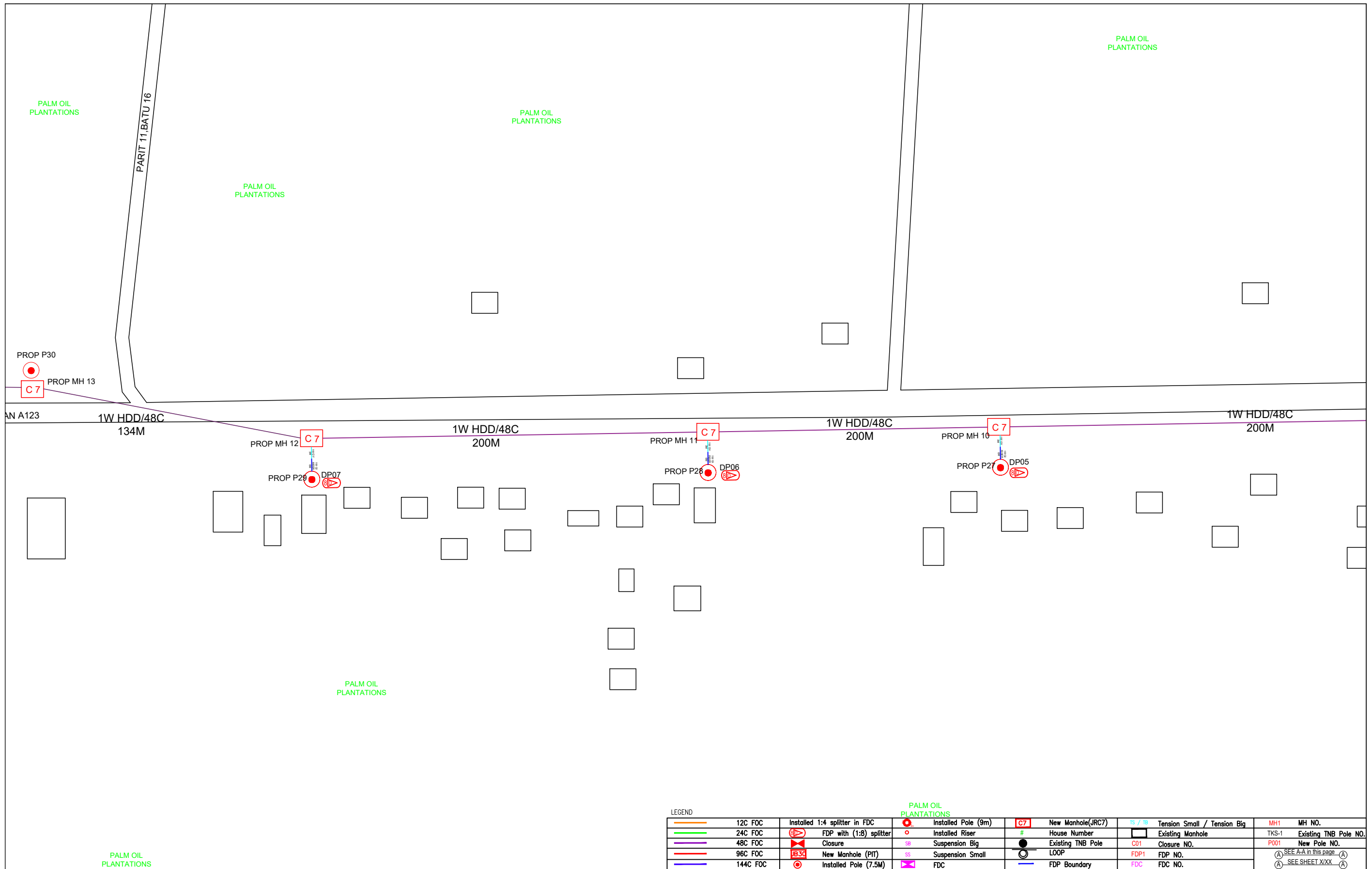
DRAWING TITLE:

SK SUNGAI PULAU

PROJECT PHASE:

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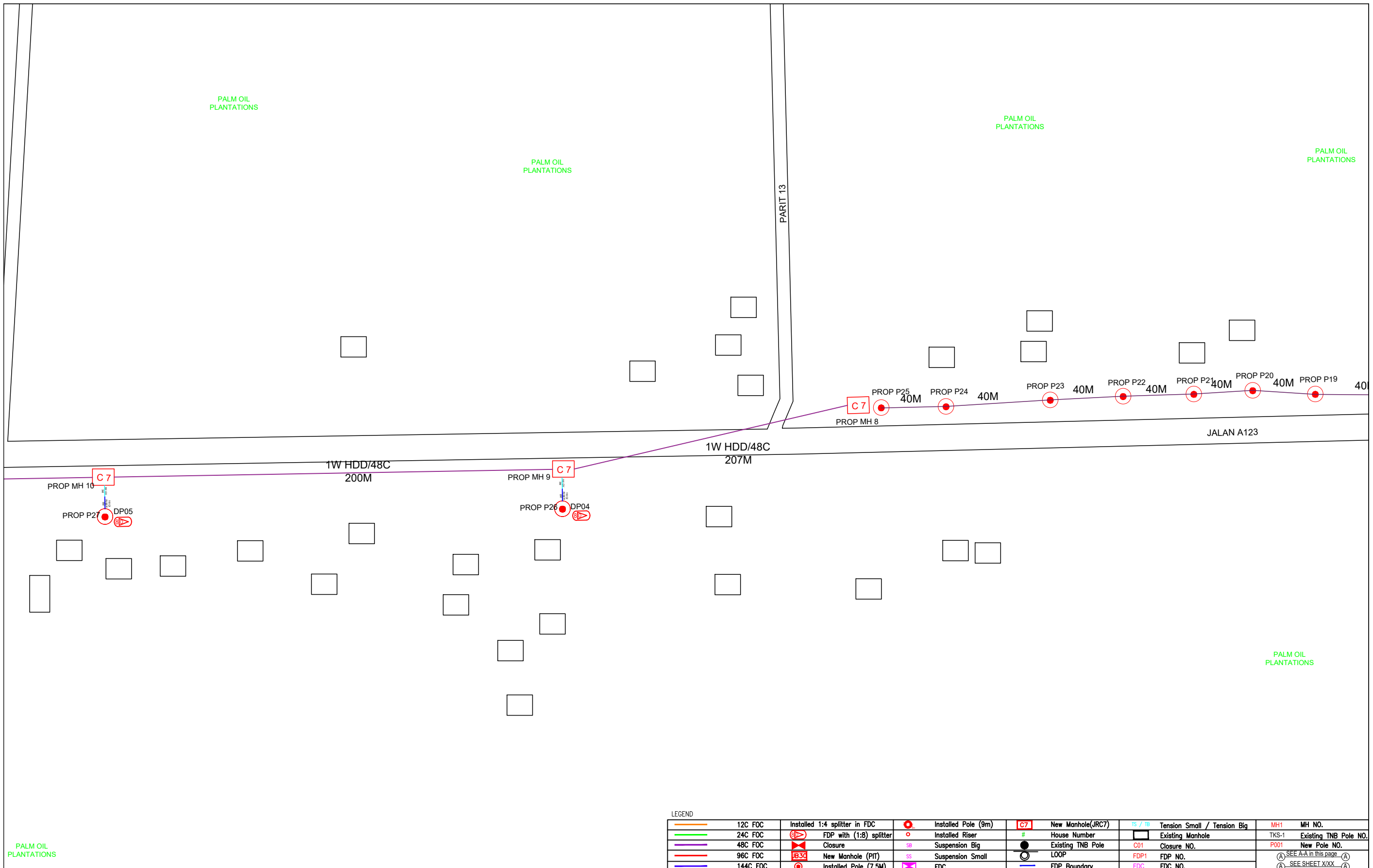
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LEGEND	
	12C FOC
	24C FOC
	48C FOC
	96C FOC
	144C FOC
	Installed 1:4 splitter in FDC
	FDP with (1:8) splitter
	Closure
	New Manhole (PIT)
	Installed Pole (7.5M)
	Installed Pole (9m)
	Installed Riser
	Suspension Big
	Suspension Small
	FDC
	New Manhole(JRC7)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

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MAIN CONTRACTOR



PRIVASAT

SUB-CONTRACTOR :



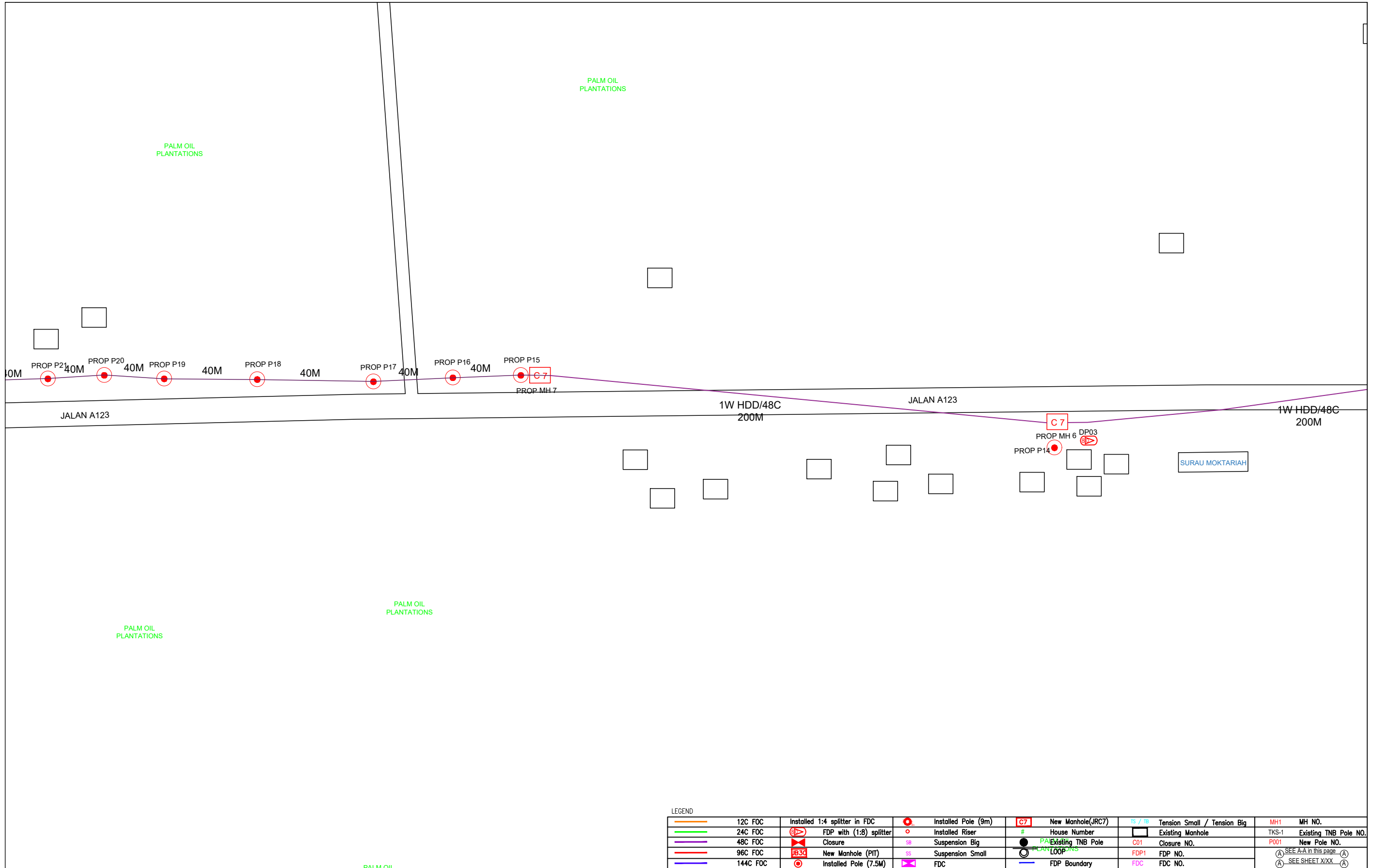
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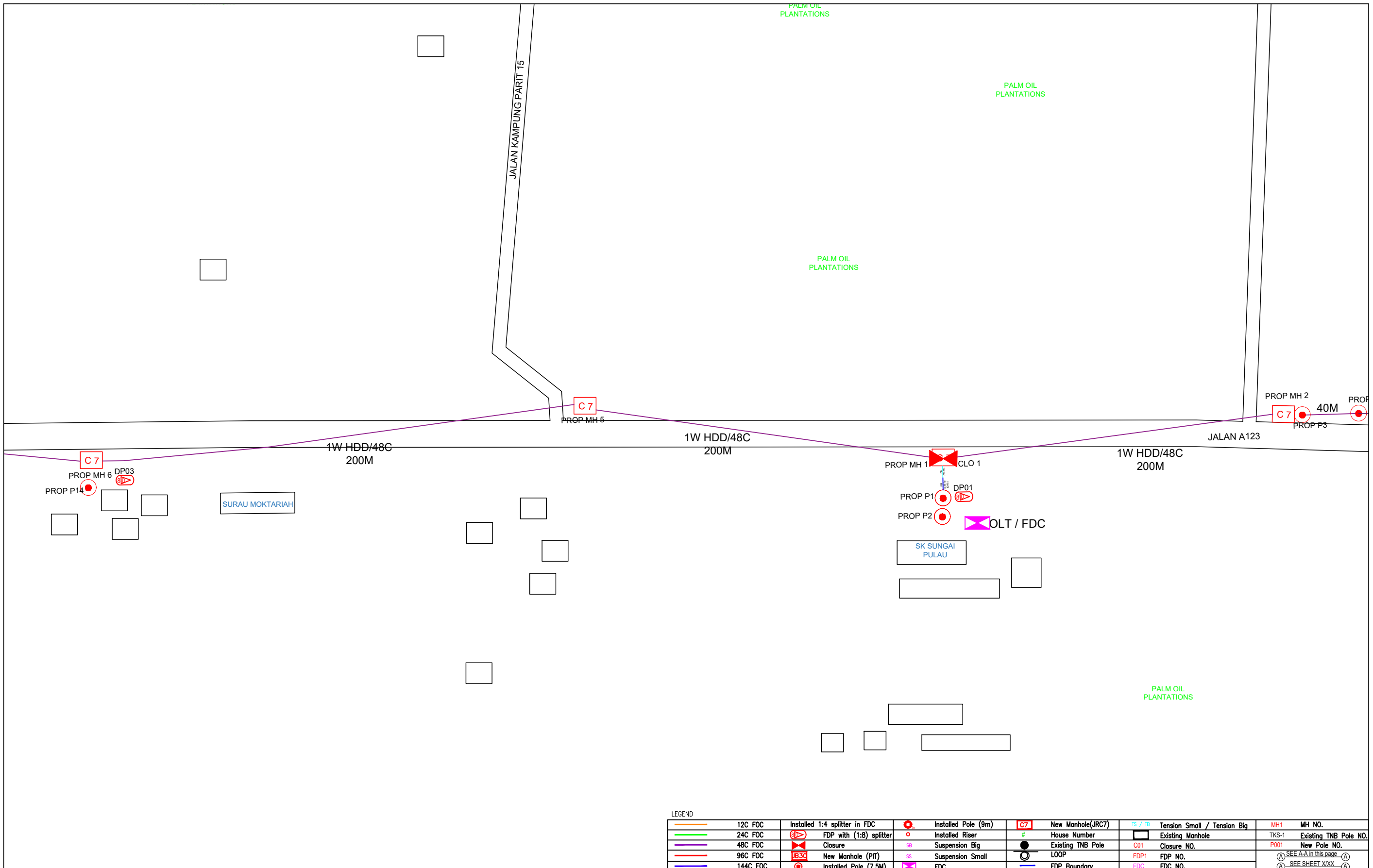
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LEGEND									
	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big		MH NO.
	24C FOC		Installed Pole (7.5M)		House Number		Existing Manhole		Existing TNB Pole NO.
	48C FOC		Installed Pole (7.5M)		Existing TNB Pole		Closure NO.		New Pole NO.
	96C FOC		Installed Pole (7.5M)		Existing TNB Pole		FDP NO.		SEE A-A in this page
	144C FOC		Installed Pole (7.5M)		Existing TNB Pole		FDC NO.		SEE SHEET XXX
	Installed Pole (7.5M)		Installed Pole (7.5M)		Existing TNB Pole		FDC NO.		FDC NO.

KEY PLAN :	PROJECT OWNER :	MAIN CONTRACTOR	SUB-CONTRACTOR :	PROJECT TITLE:	DRAWING TITLE:	Design By : ENGINEER	Date : DATE
				PROJECT FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SK SUNGAI PULAU) TO PREMISES PASS AREA	SK SUNGAI PULAU	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)		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		LOOP		FDP NO.		SEE A-A in this page
	144C FOC		Installed Pole (7.5M)		FDC		FDP Boundary		FDC NO.		SEE SHEET XXX

KEY PLAN :

PROJECT OWNER :



KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR



APEX COMMUNICATIONS SDN BHD



PRIVASAT

SUB-CONTRACTOR :



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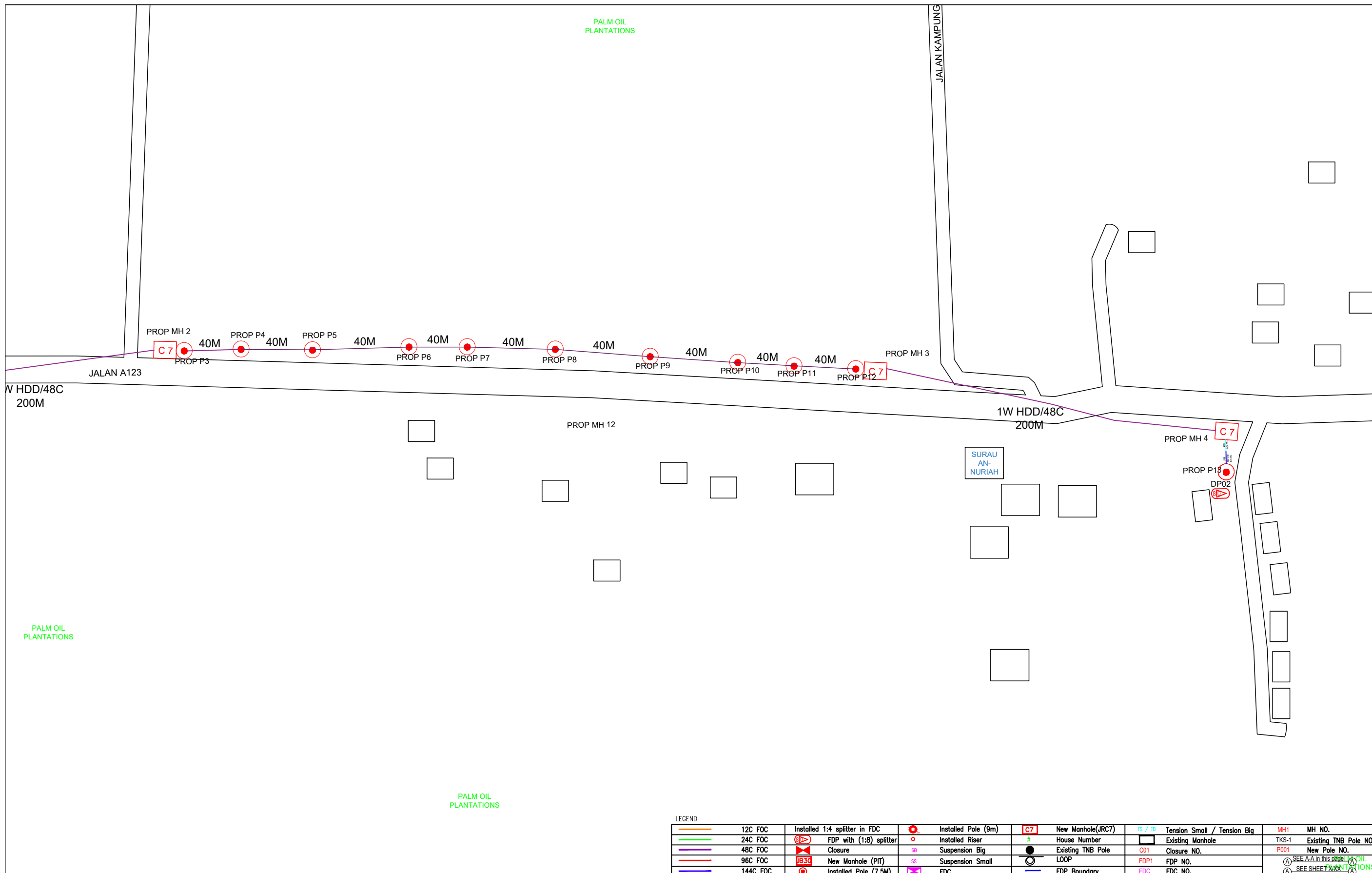
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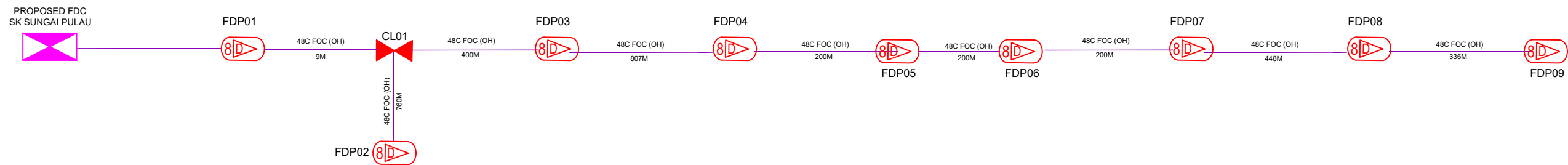
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LEGEND	
	12C FOC
	24C FOC
	48C FOC
	96C FOC
	144C FOC
	Installed 1:4 splitter in FDC
	FDP with (1:8) splitter
	Closure
	New Manhole (PIT)
	Installed Pole (7.5M)
	Installed Pole (9m)
	Installed Riser
	Suspension Big
	Suspension Small
	FDC
	New Manhole(JRC7)
	House Number
	Existing TNB Pole
	LOOP
	FDP Boundary
	TS / TB 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 XXXX

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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	#	House Number	Existing Manhole	TKS-1	Existing TNB Pole NO.	
48C FOC	Closure	Suspension Big	SB	Existing TNB Pole	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)
144C FOC	Installed Pole (7.5M)	FDC	FDP Boundary	FDC NO.	FDC	FDC NO.	(A) SEE SHEET XXX	(A)

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PRIVASAT

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DRAWING TITLE:

D-SIDE - SK SUNGAI PULAU

PROJECT PHASE:

PROJECT PHASE

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Drawn By : CAD ENGINEER	Scale : NTS
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