



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 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** : 3.869592, 100.908210  
**LRD** : B



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## 1.0 WORK SUMMARY

NO	PROPOSED DISTANCE AND METHOD	UNIT	QUANTITY
1	Horizontal Directional Drilling (HDD)	m	4458
2	Carriage Way Open Trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro Trenching (MT)	m	0
Total			4458

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fibre Cables	m	4900
2	Install New Pole	ea	14
3	Install New JRC7 Manhole	ea	26
4	Install GI Riser 100mm	m	78
5	Install Fiber Distribution Point	ea	13
6	Install Closure	ea	3
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	4458m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	14	-
		Majlis	-	-
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				4458m

### 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**



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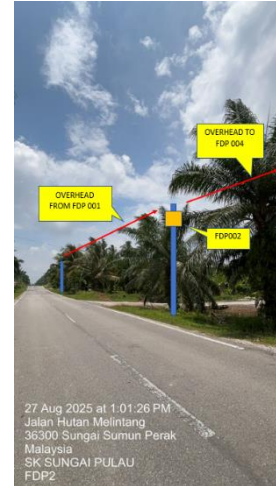


#### 4.0 PROPOSED NEW POLE FDP

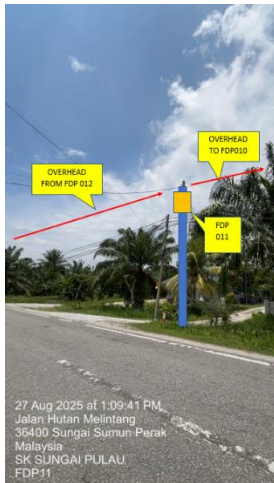
Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T001	0	3.868331	100.884392	JKR Road
2	T002	45	3.868337	100.884392	JKR Road
3	T003	45	3.868130	100.873601	JKR Road
4	T004	45	3.868067	100.871808	JKR Road
5	T005	45	3.868024	100.869996	JKR Road
6	T006	45	3.867978	100.868201	JKR Road
7	T007	45	3.868217	100.891011	JKR Road
8	T008	45	3.868331	100.893931	JKR Road
9	T009	45	3.868645	100.898164	JKR Road
10	T010	45	3.868796	100.900226	JKR Road
11	T011	45	3.868936	100.902659	JKR Road
12	T012	45	3.869150	100.905604	JKR Road
13	T013	45	3.869251	100.907214	JKR Road
14	T014	45	3.869592	100.908210	JKR Road

BIL	TYPE	7.5m	9m	TOTAL
1	No of Pole	13	1	14

5.0 SITE PHOTOS - PROPOSED NEW POLE









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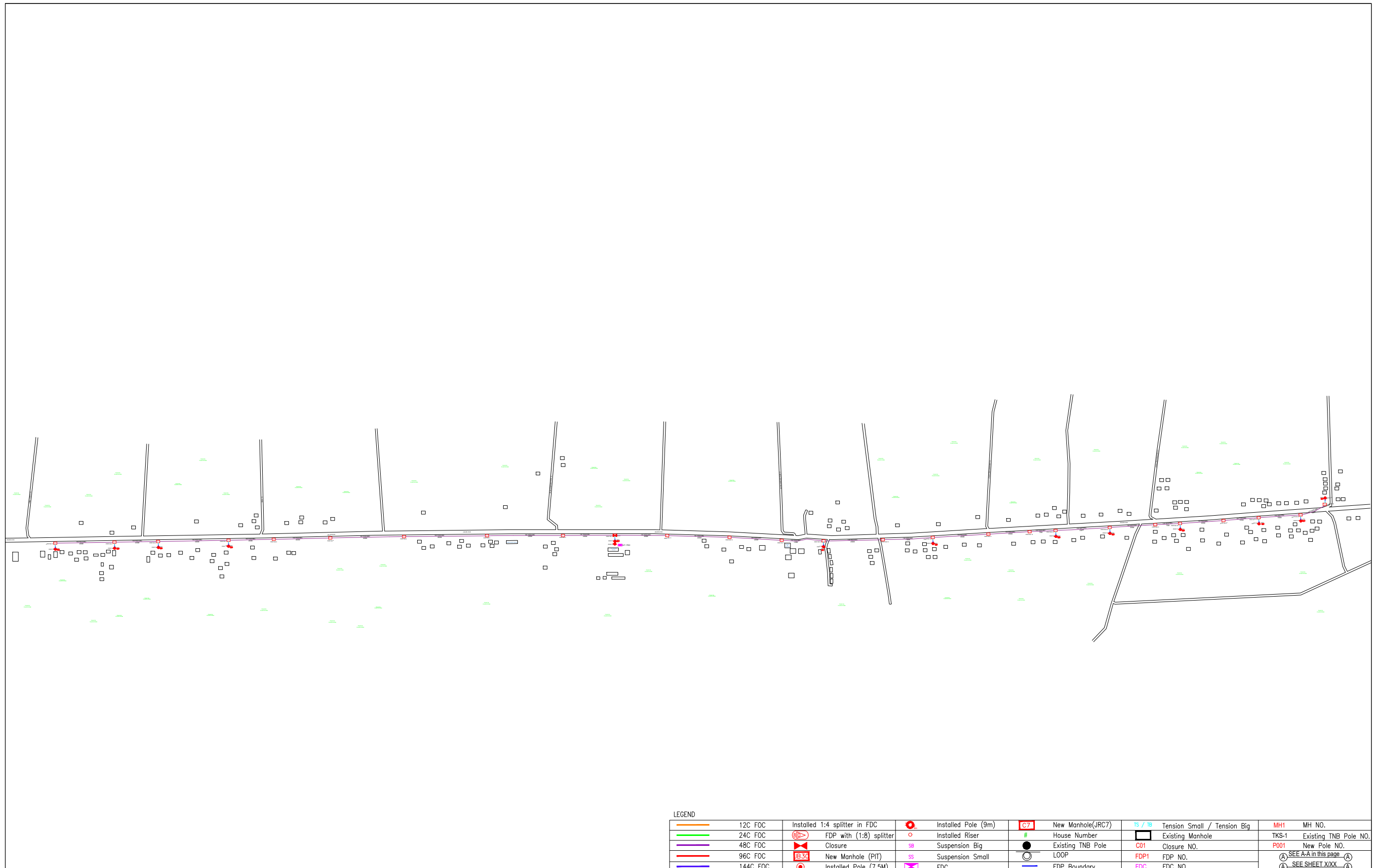


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## 6.0 3<sup>rd</sup> PARTIES DEPENDENCIES

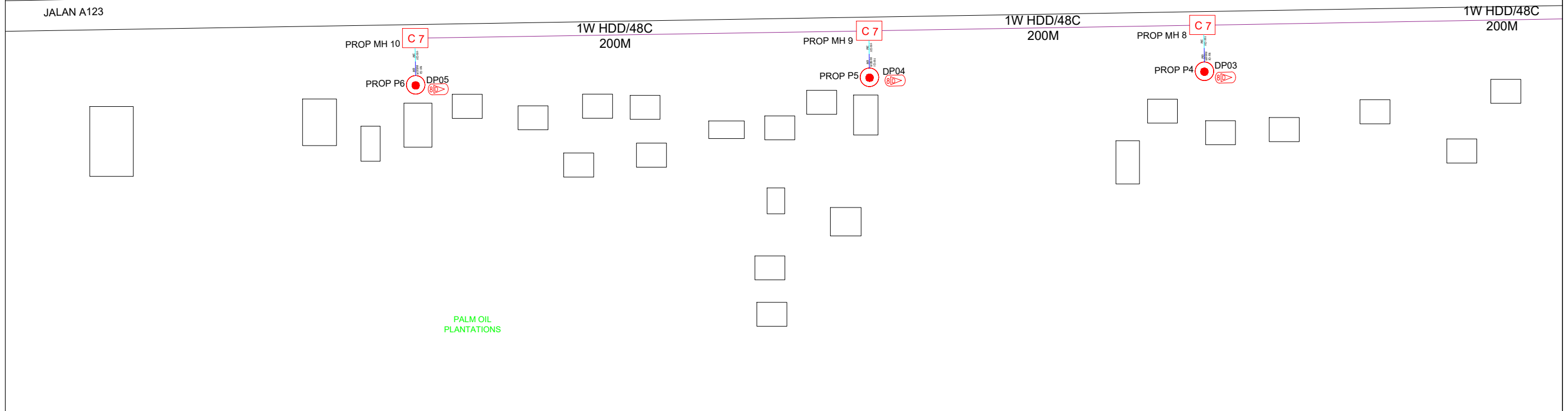
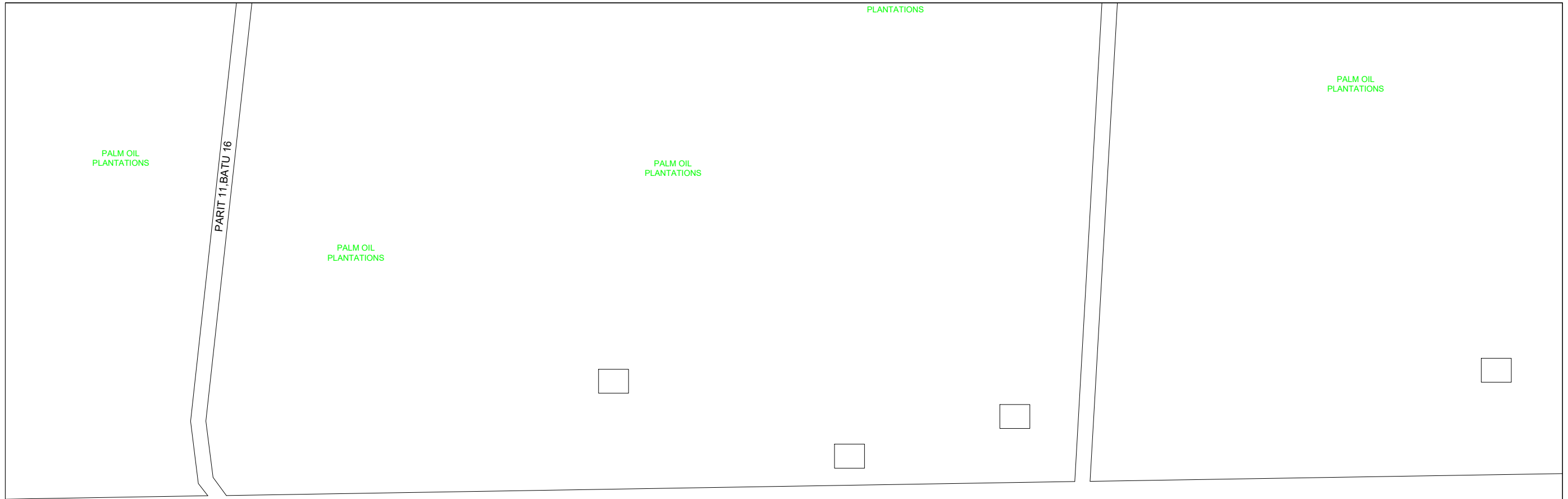
NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Daerah Hilir Perak	4900m



LEGEND

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

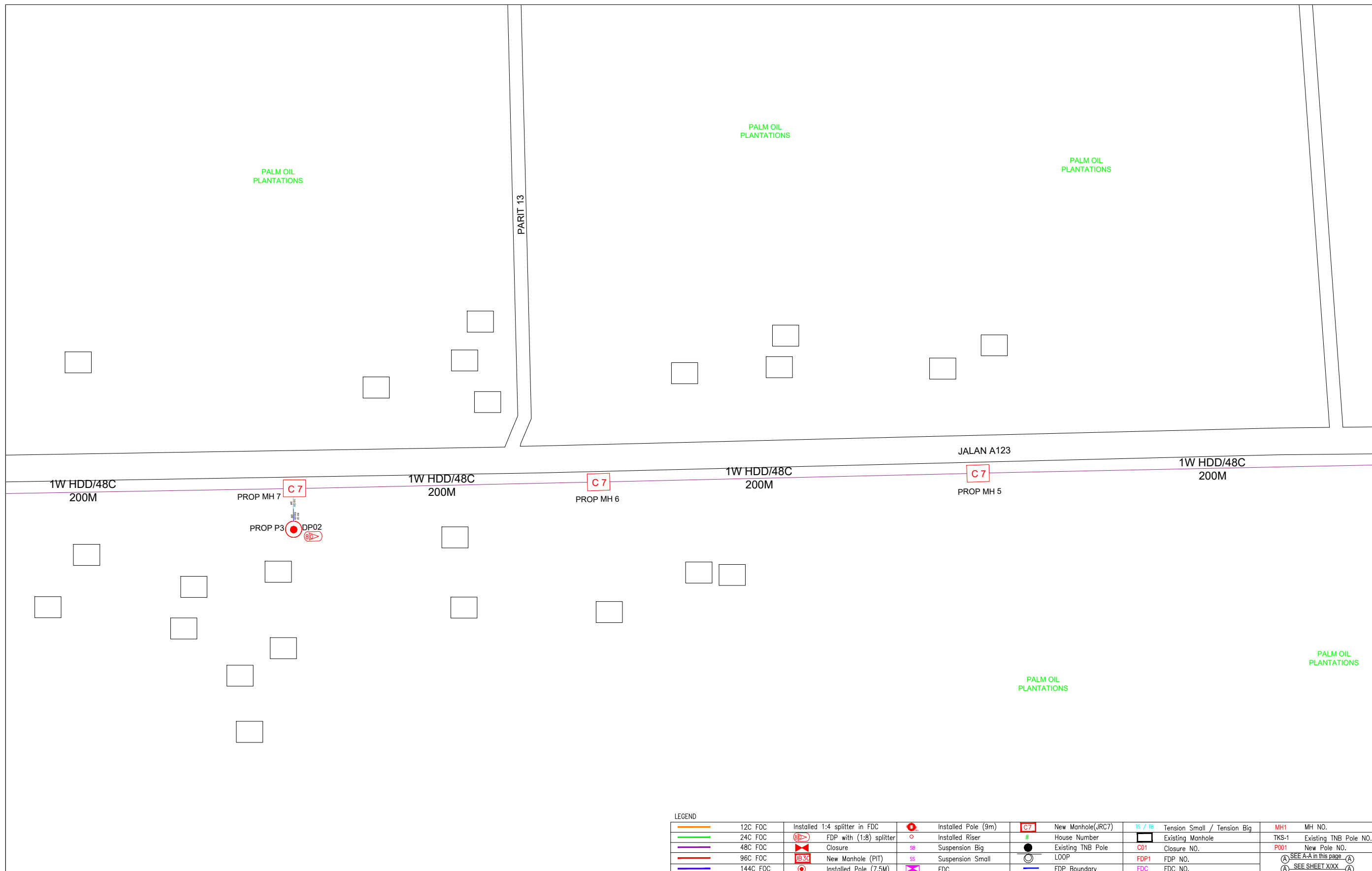
KEY PLAN :	PROJECT OWNER : 	MAIN CONTRACTOR  	SUB-CONTRACTOR :  ARCHWAY MAPPING SERVICES SDN BHD No 48 Jalan TU 39A, Taman Tasik Utama, 75450 Ayer Keroh, Melaka Tel: 606-233 9165 Fax: 606-233 9162 Email : info@archwaymalaysia.com Website : www.archwaymalaysia.com	PROJECT TITLE: PROPOSAL FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SK SUNGAI PULAU) TO PREMISES PASS AREA	DRAWING TITLE: SK SUNGAI PULAU	Design By : ENGINEER Date : DATE
				PROJECT PHASE: PROJECT PHASE	Checked By : ENGINEER Job Number : JOB/NUMBER	DRAWING NUMBER : DRAWING/NUMBER
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LEGEND

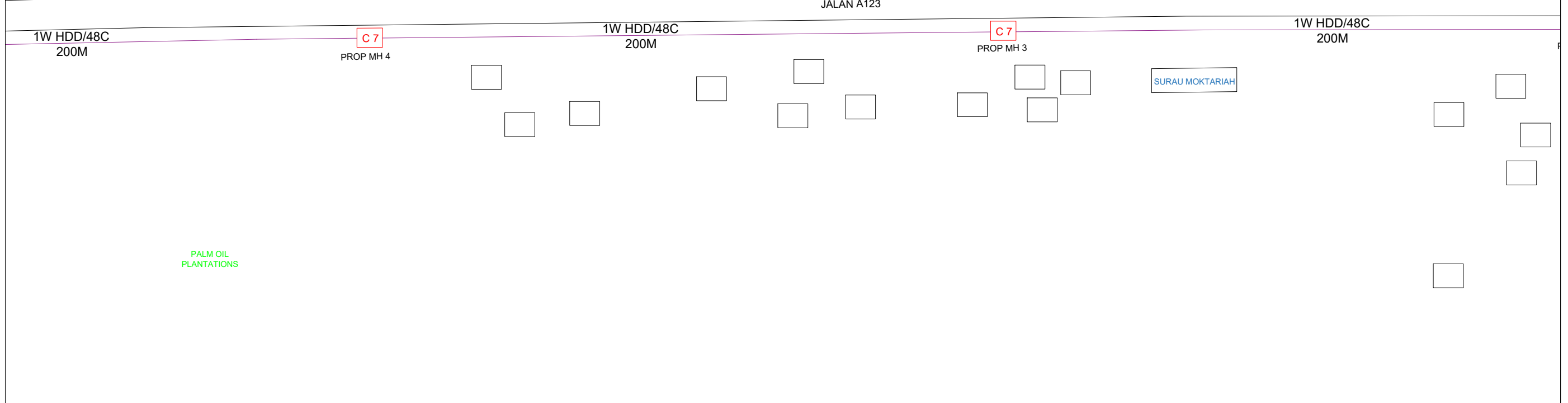
12C FOC	Installed 1:4 splitter in FDC	Installed Pole (9m)	New Manhole(JRC7)	TS / TB	Tension Small / Tension Big	MH1	MH NO.
24C FOC	FDP with (1:8) splitter	Installed Riser	#	Existing Manhole	TKS-1	Existing TNB Pole NO.	
48C FOC	Closure	Suspension Big	Existing TNB Pole	C01	Closure NO.	P001	New Pole NO.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

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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)		New Manhole		Existing Manhole		Existing TNB Pole NO.
	48C FOC		Installed Pole (7.5M)		New Manhole		Existing Manhole		New Pole NO.
	96C FOC		Installed Pole (7.5M)		New Manhole (PIT)		Existing Manhole		FDP NO.
	144C FOC		Installed Pole (7.5M)		New Manhole (PIT)		Existing Manhole		FDC NO.
	Installed 1:4 splitter in FDP		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big		MH NO.
	FDP with (1:8) splitter		Installed Riser		New Manhole		Tension Small / Tension Big		Existing TNB Pole NO.
	Closure		Suspension Big		Existing TNB Pole		Tension Small / Tension Big		New Pole NO.
	New Manhole (PIT)		Suspension Small		LOOP		Tension Small / Tension Big		FDP NO.
	Installed Pole (7.5M)		FDC		FDP Boundary		Tension Small / Tension Big		FDC NO.

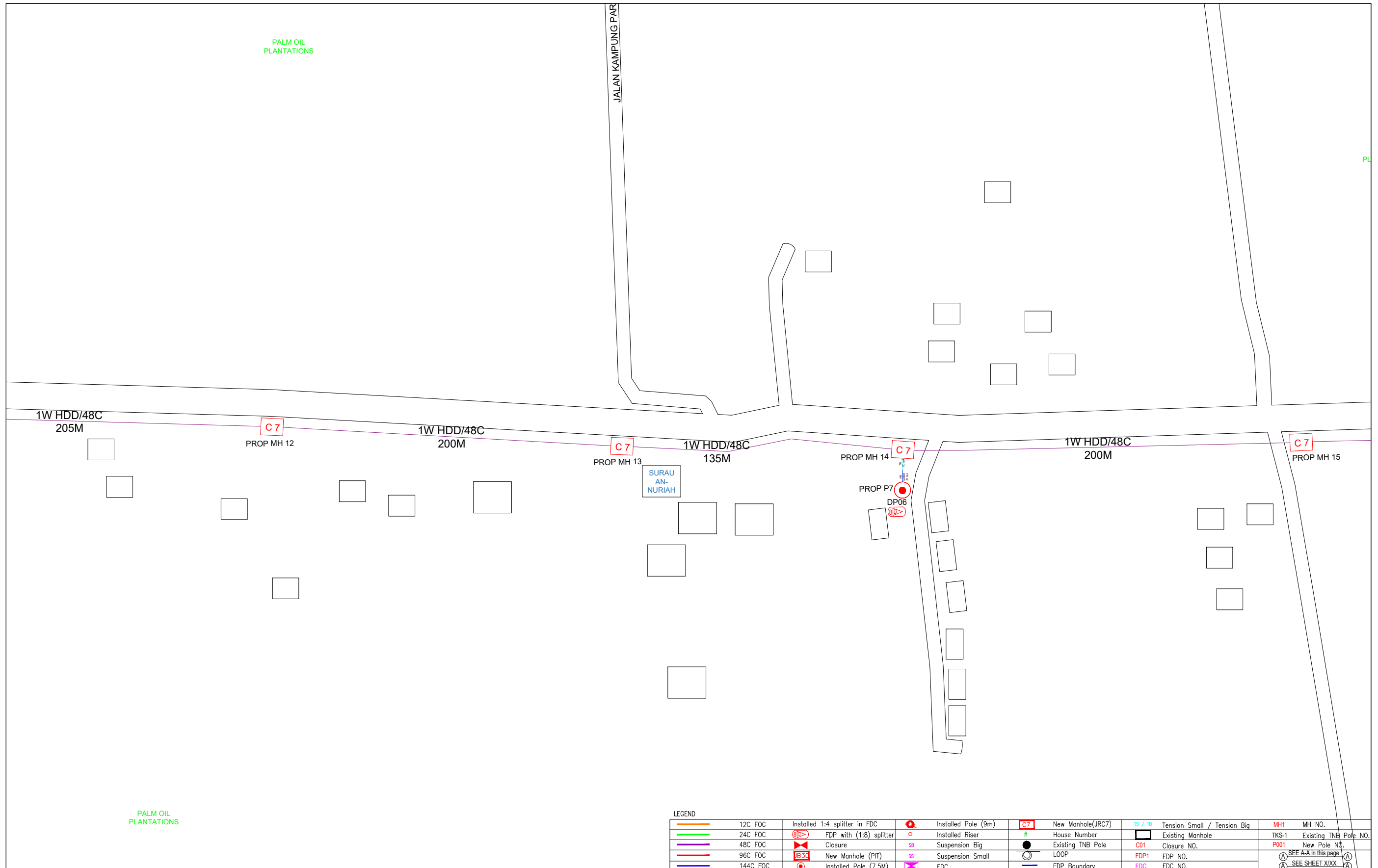
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LEGEND									
	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big		MH1 MH NO.
	24C FOC		Installed Pole (7.5M)		# House Number		Existing Manhole		TKS-1 Existing TNB Pole NO.
	48C FOC		FDP with (1:8) splitter		Installed Riser		Closure NO.		P001 New Pole NO.
	96C FOC		Closure		Suspension Big		Existing TNB Pole		LOOP
	144C FOC		New Manhole (PIT)		Suspension Small		FDP1 FDP NO.		FDC FDP NO.
			Installed Pole (7.5M)		FDC		FDP Boundary		

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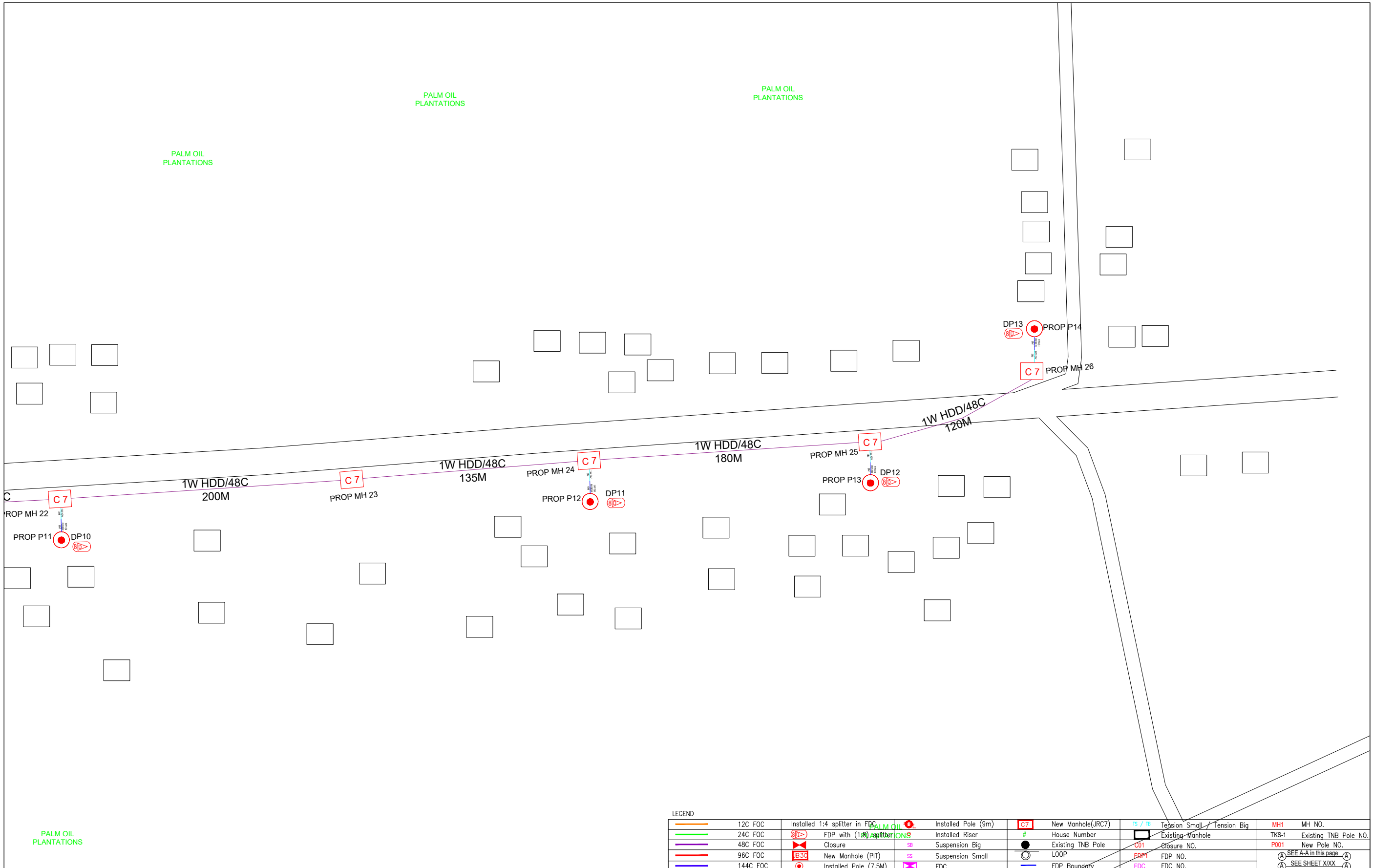


LEGEND	
	12C FOC
	24C FOC
	48C FOC
	96C FOC
	144C FOC
	Installed 1:4 splitter in FDC
	FDP with (1:8) splitter
	Closure
	New Manhole (PIT)
	Installed Pole (7.5M)
	Installed Pole (9m)
	Installed Riser
	Suspension Big
	Suspension Small
	FDC
	New Manhole(JRC7)
	House Number
	Existing TNB Pole
	LOOP
	FDP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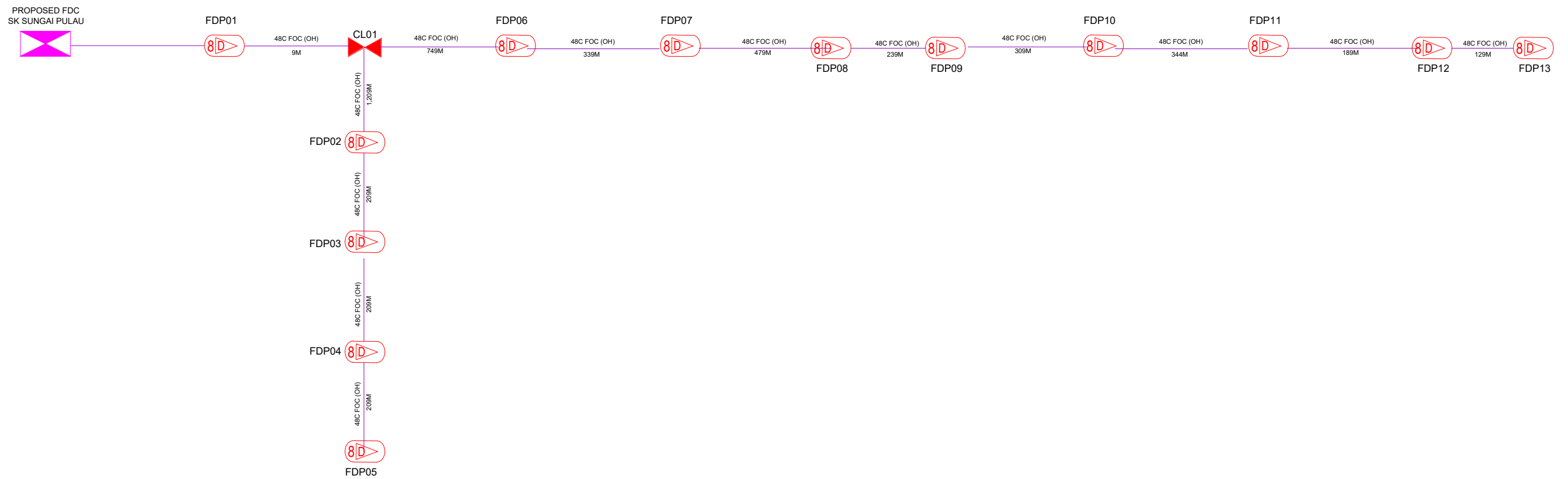






LEGEND	
	12C FOC
	24C FOC
	48C FOC
	96C FOC
	144C FOC
	Installed 1:4 splitter in FDC
	FDP with (1:8) splitter
	Closure
	New Manhole (PIT)
	Installed Pole (7.5M)
	Installed Pole (9m)
	Installed Riser
	Suspension Big
	Suspension Small
	FDC
	New Manhole(JRC7)
	House Number
	Existing TNB Pole
	LOOP
	FDP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

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