

TECHNICAL PROPOSAL (POP2 ABB8227 SEKOLAH KEBANGSAAN SUNGAI RANGGAM (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 : PERAK TENGAH
 Address : SK SUNGAI RANGGAM
 District : KG GAJAH
 Postcode : 36110
 State : PERAK
 GPS Coordinate : 4.039334, 100.905430
 LRD : A

End Point

Site / Boundary Name : PERAK TENGAH
 Address : JLN BAKAR ARANG
 District : TELUK INTAN
 Postcode : 36000
 State : PERAK
 GPS Coordinate : 4.028829, 100.912327
 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	289
2	Carriage Way Open Trench (CW)	m	0
3	Grass Verge Open Trenching (GV)	m	0
4	Micro Trenching (MT)	m	0
Total			289

NO	OTHER INFORMATION	UNIT	QUANTITY
1	Installation of Short Span ADSS Fibre Cables	m	2618
2	Install New Pole	ea	64
3	Install New JRC7 Manhole	ea	3
4	Install GI Riser 100mm	m	12
5	Install Fiber Distribution Point	ea	13
6	Install Closure	ea	2
7	Estimated Time Required for Completion	days	21



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2.0 LOCAL AUTHORITY SUMMARY

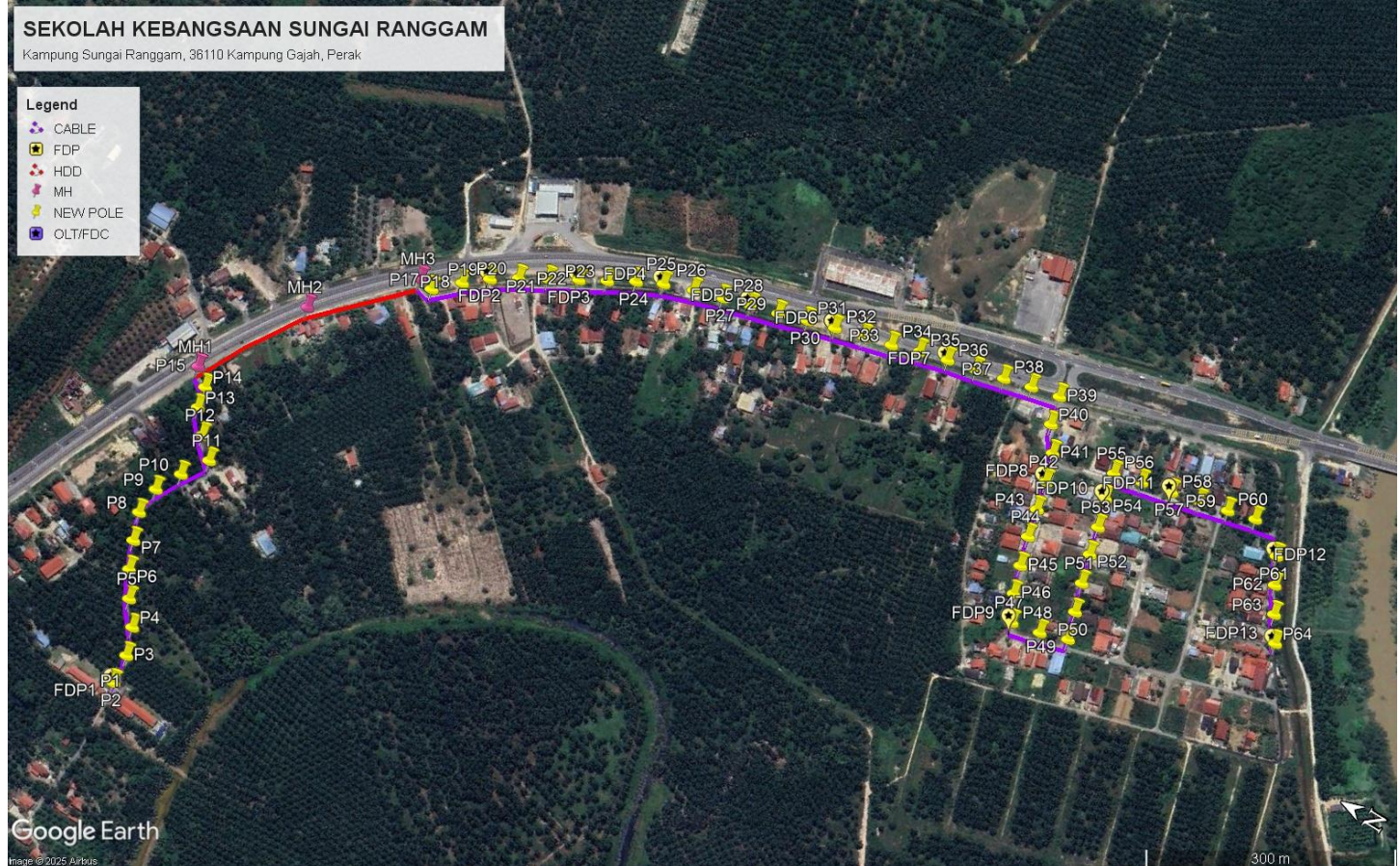
Daerah Perak Tengah

Bil	Items	Owner	Quantity	Distance
1	HDD	JKR	1	289m
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	2	-
		Majlis	62	2329m
		Estate / Private Land	-	-
3	Existing TNB Pole	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
Total				2618m

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 - PDT Road

4.0 PROPOSED NEW POLE FDP

Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	T001	0	4.039334	100.905430	PDT Road
2	T002	35	4.039328	100.905426	PDT Road
3	T003	35	4.039359	100.905751	PDT Road
4	T004	35	4.039464	100.906046	PDT Road
5	T005	35	4.039652	100.906292	PDT Road
6	T006	35	4.039818	100.906566	PDT Road
7	T007	35	4.039941	100.906855	PDT Road
8	T008	35	4.040046	100.907147	PDT Road
9	T009	35	4.040021	100.907454	PDT Road
10	T010	35	4.039873	100.907734	PDT Road
11	T011	35	4.039690	100.908019	PDT Road
12	T012	35	4.039896	100.908216	PDT Road
13	T013	35	4.040093	100.908446	PDT Road
14	T014	35	4.040138	100.908676	PDT Road
15	T015	35	4.040321	100.908826	JKR Road
16	T016	35	4.038762	100.910889	JKR Road
17	T017	35	4.038600	100.910857	PDT Road
18	T018	35	4.038352	100.911087	PDT Road
19	T019	35	4.038118	100.911279	PDT Road
20	T020	35	4.037857	100.911449	PDT Road
21	T021	35	4.037580	100.911605	PDT Road
22	T022	35	4.037293	100.911772	PDT Road
23	T023	35	4.037026	100.911921	PDT Road
24	T024	35	4.036757	100.912078	PDT Road
25	T025	35	4.036489	100.912210	PDT Road
26	T026	35	4.036175	100.912321	PDT Road
27	T027	35	4.035866	100.912412	PDT Road
28	T028	35	4.035564	100.912500	PDT Road
29	T029	35	4.035263	100.912581	PDT Road
30	T030	35	4.034956	100.912680	PDT Road
31	T031	35	4.034660	100.912765	PDT Road
32	T032	35	4.034345	100.912850	PDT Road
33	T033	35	4.034044	100.912927	PDT Road
34	T034	35	4.033747	100.913027	PDT Road
35	T035	35	4.033441	100.913105	PDT Road
36	T036	35	4.033124	100.913171	PDT Road
37	T037	35	4.032818	100.913249	PDT Road
38	T038	35	4.032517	100.913327	PDT Road
39	T039	35	4.032204	100.913396	PDT Road
40	T040	35	4.03212	100.913091	PDT Road



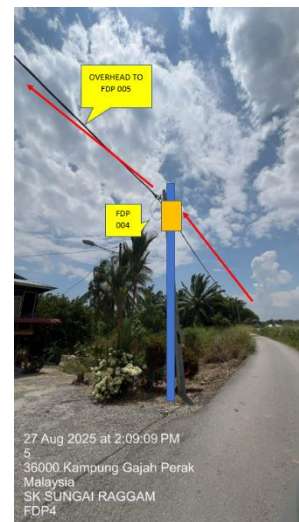
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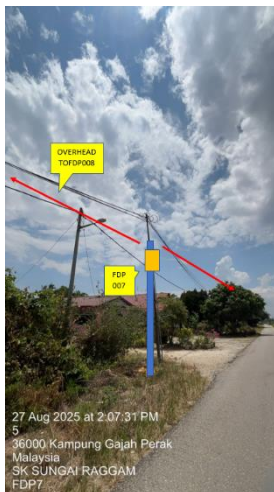


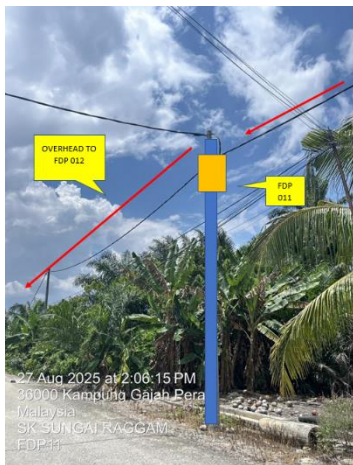
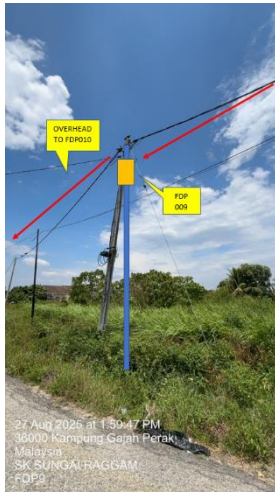
41	T041	35	4.031949	100.912834	PDT Road
42	T042	35	4.031852	100.912531	PDT Road
43	T043	35	4.031779	100.912227	PDT Road
44	T044	35	4.031709	100.911924	PDT Road
45	T045	35	4.031616	100.911613	PDT Road
46	T046	35	4.031521	100.911317	PDT Road
47	T047	35	4.031376	100.911039	PDT Road
48	T048	35	4.031061	100.911102	PDT Road
49	T049	35	4.030762	100.911199	PDT Road
50	T050	35	4.030852	100.911492	PDT Road
51	T051	35	4.030951	100.911795	PDT Road
52	T052	35	4.031040	100.912106	PDT Road
53	T053	35	4.031116	100.912405	PDT Road
54	T054	35	4.031211	100.912710	PDT Road
55	T055	35	4.031270	100.912991	PDT Road
56	T056	35	4.030966	100.913066	PDT Road
57	T057	35	4.030634	100.913144	PDT Road
58	T058	35	4.030323	100.913213	PDT Road
59	T059	35	4.030011	100.913288	PDT Road
60	T060	35	4.029709	100.913364	PDT Road
61	T061	35	4.029307	100.913142	PDT Road
62	T062	35	4.029159	100.912864	PDT Road
63	T063	35	4.029002	100.912590	PDT Road
64	T064	35	4.028829	100.912327	PDT Road

BIL	TYPE	7.5m	9m	TOTAL
1	No of Pole	63	1	64

5.0 SITE PHOTOS - PROPOSED NEW POLE









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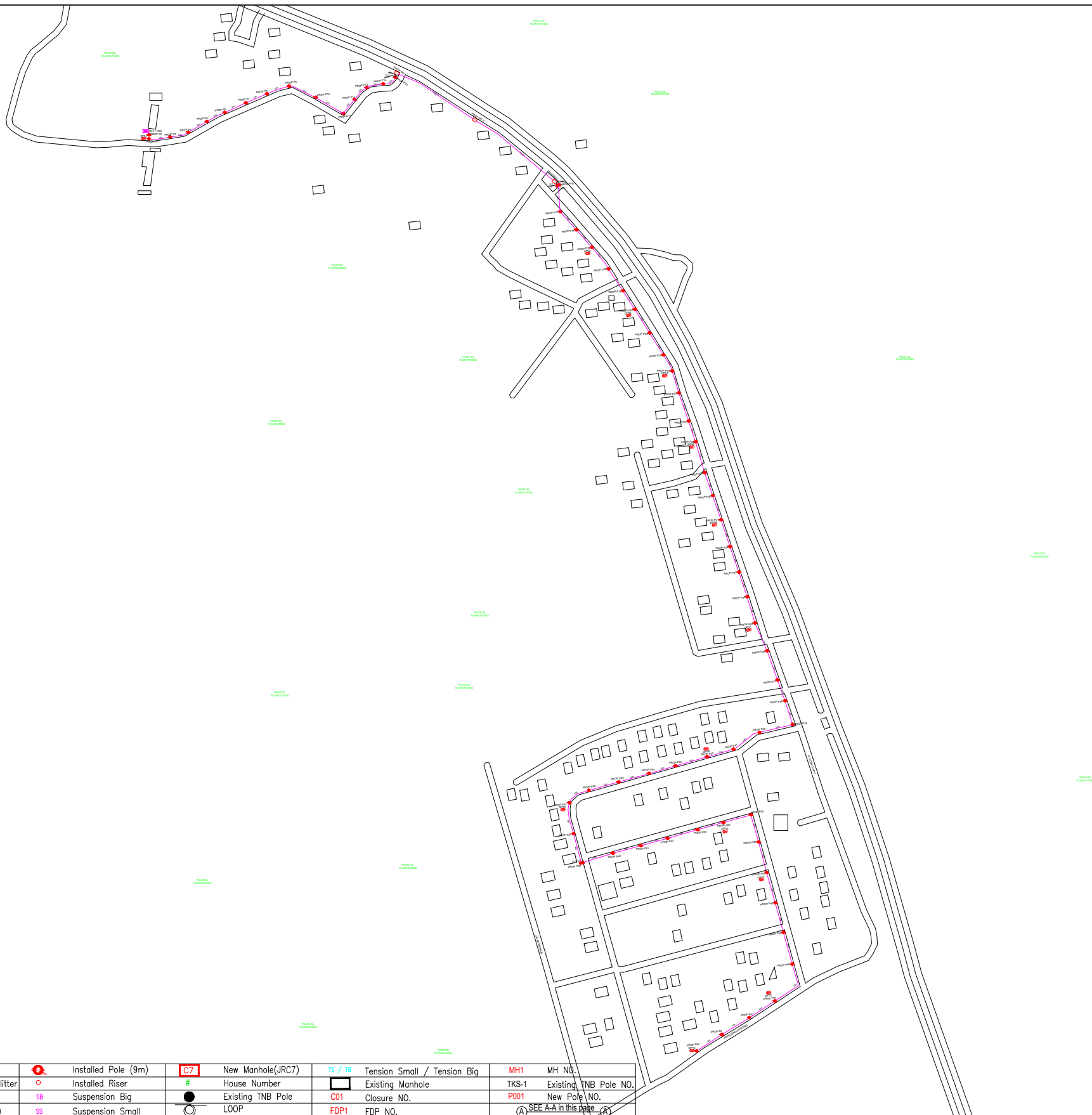


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6.0 3rd PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Daerah Perak Tengah	2329m



LEGEND							
	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big
	24C FOC		Installed Pole (7.5M)		Installed Pole (9m)		Existing Manhole
	48C FOC		Installed Pole (7.5M)		Installed Pole (9m)		Existing Manhole
	96C FOC		Installed Pole (7.5M)		Installed Pole (9m)		Existing Manhole
	144C FOC		Installed Pole (7.5M)		Installed Pole (9m)		Existing Manhole
	Installed Pole (7.5M)		Installed Pole (9m)		Installed Pole (9m)		Existing Manhole
	Installed Pole (7.5M)		Installed Pole (9m)		Installed Pole (9m)		Existing Manhole
	Installed Pole (7.5M)		Installed Pole (9m)		Installed Pole (9m)		Existing Manhole

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 SUNGAI RANGGAM) TO PREMISES PASS AREA

DRAWING TITLE:

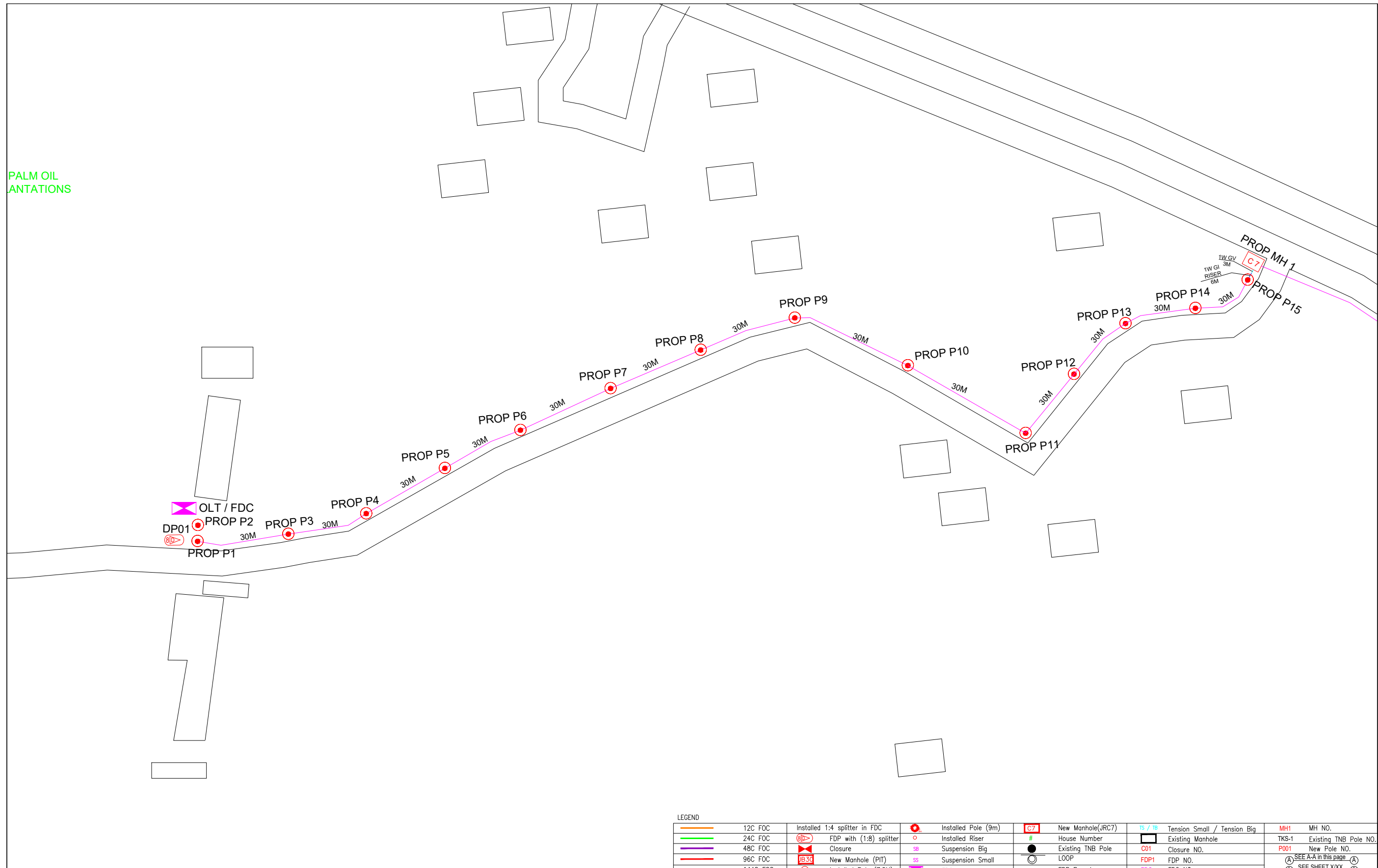
SK SUNGAI RANGGAM

PROJECT PHASE:

PROJECT PHASE

Design By : ENGINEER	Date : DATE
Drawn By : CAD ENGINEER	Scale : NTS
Checked By : ENGINEER	Job Number : JOB/NUMBER
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PALM OIL
ANTATIONS



LEGEND

	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big		MH NO.
	24C FOC		Installed Pole (7.5M)		Installed Pole (9m)		Existing TNB Pole NO.		Existing TNB Pole NO.
	48C FOC		Installed Pole (7.5M)		Installed Pole (7.5M)		Closure NO.		FDP NO.
	96C FOC		Installed Pole (7.5M)		Installed Pole (7.5M)		FDP NO.		FDC NO.
	144C FOC		Installed Pole (7.5M)		Installed Pole (7.5M)		FDC NO.		FDC NO.

KEY PLAN :

PROJECT OWNER :




KEMENTERIAN KOMUNIKASI DAN DIGITAL

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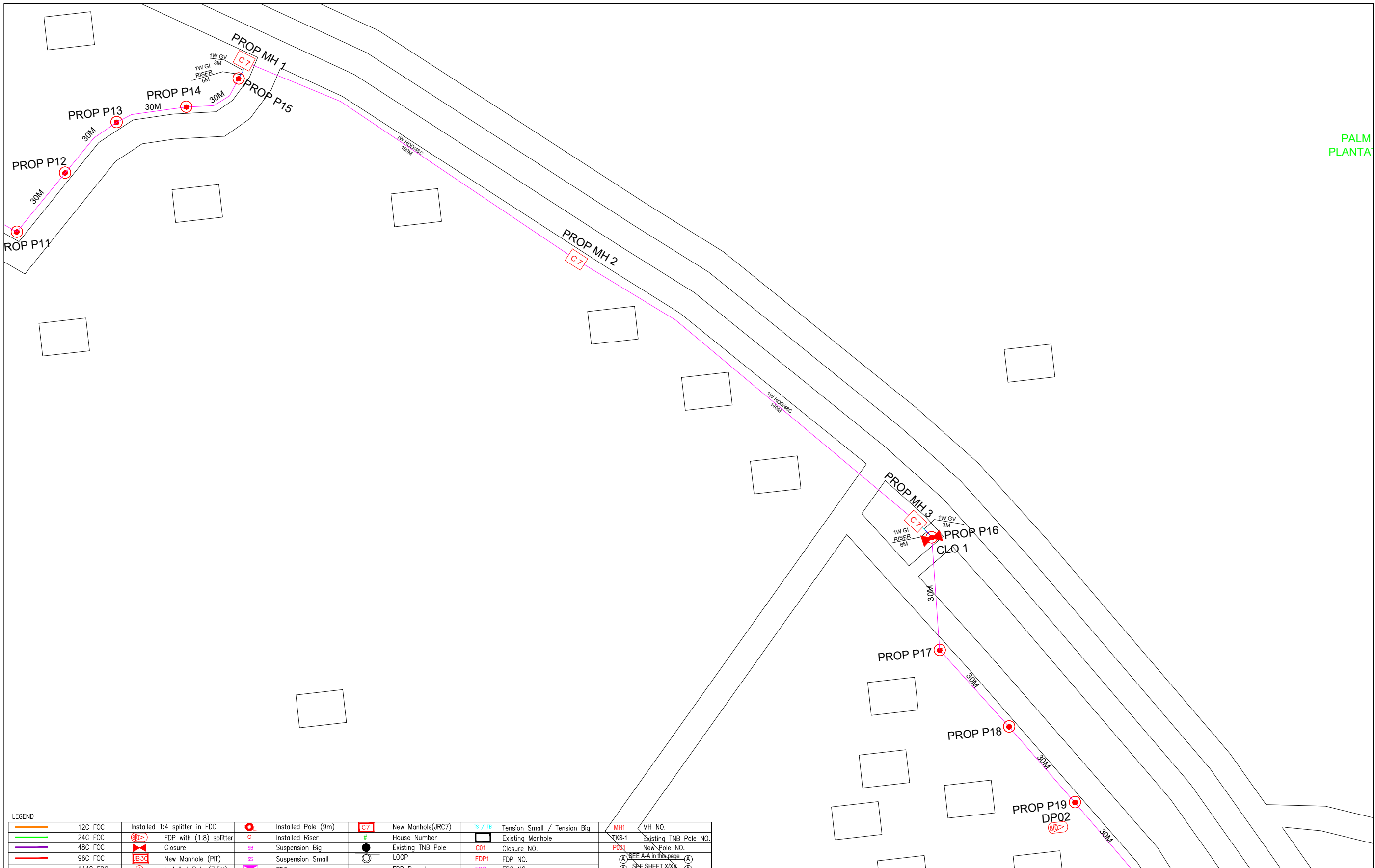
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PROJECT PHASE:
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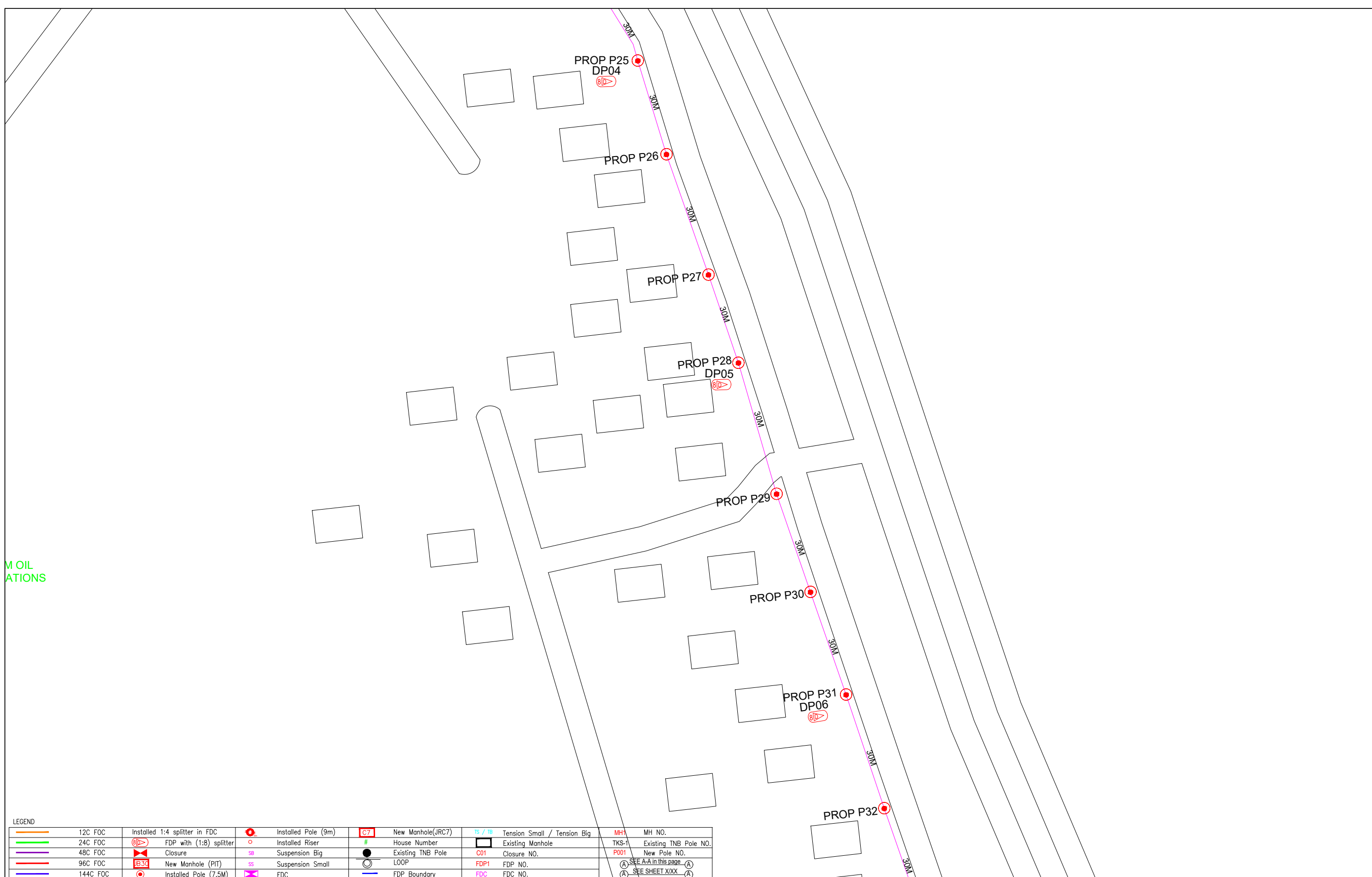
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PALM PLANTATION



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

KEY PLAN :	PROJECT OWNER :	MAIN CONTRACTOR :	SUB-CONTRACTOR :	PROJECT TITLE:	DRAWING TITLE:	Design By : ENGINEER	Date : DATE
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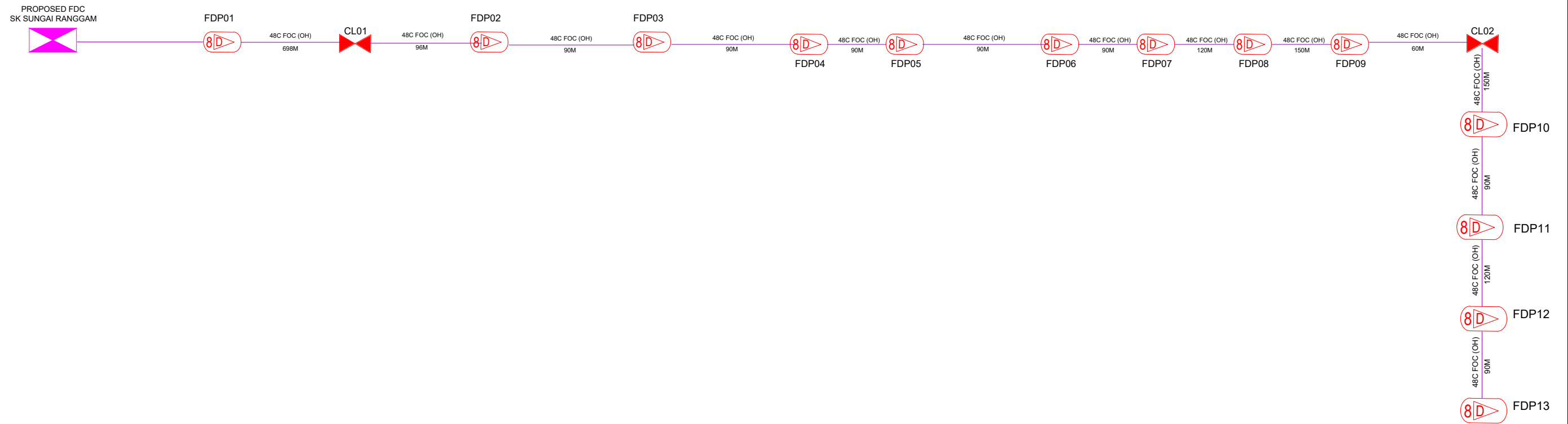
LEGEND									
	12C FOC		Installed Pole (9m)		New Manhole(JRC7)		Tension Small / Tension Big		MH NO.
	24C FOC		Installed Riser		House Number		Existing Manhole		Existing TNB Pole NO.
	48C FOC		FDP with (1:8) splitter		Suspension Big		Closure NO.		New Pole NO.
	96C FOC		Closure		Suspension Small		LOOP		SEE A in this page
	144C FOC		New Manhole (PIT)		FDC		FDP NO.		SEE SHEET XXX
			Installed Pole (7.5M)		FDP Boundary		FDC NO.		

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					PROJECT PHASE: PROJECT PHASE	Drawn By : CAD ENGINEER Scale : NTS
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LEGEND	
	120 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
	FDR 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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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 : 	MAIN CONTRACTOR 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: PROJECT FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SK SUNGAI RANGGAM) TO PREMISES PASS AREA	DRAWING TITLE: D-SIDE - SK SUNGAI RANGGAM	Design By : ENGINEER	Date : DATE
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