

# TECHNICAL PROPOSAL

## POP2 ABA5060-SEKOLAH KEBANGSAAN DATO' YAHYA SUBBAN (D-SIDE)

**Company Name** : AraTimur Sdn Bhd  
**Company Address** : A-08-13, 8<sup>TH</sup> Floor, Block A, Radia Office, Persiaran Singgahsana, 40150 Bukit Jelutong, Shah Alam, Selangor.  
**Prepared By** : Muhammad Danieal Adikha Bin Zaidi  
**Date** : 27/08/2024



**Starting Point**

**Site / Boundary Name** : Chenderong Balai  
**Address** : Kampung Tersusun Chenderong Balai, 36600 Chenderong Balai, Perak  
**District** : Teluk Intan  
**Postcode** : 36600  
**State** : Perak  
**GPS Coordinate** : 4.757923, 100.723843  
**LRD** : A

**End Point**

**Site / Boundary Name** : Chendrong Balai  
**Address** : Jalan Labu Kubong, 36600 Labu Kubong, Perak  
**District** : Teluk Intan  
**Postcode** : 36600  
**State** : Perak  
**GPS Coordinate** : 4.125884, 101.086868  
**LRD** : B



SUPPLY, INSTALLATION AND COMMISSIONING OF FTTX NETWORK INFRASTRUCTURE FOR ALLO TECHNOLOGY SDN BHD POP 2 PROJECT (D-SIDE) - PMU SMNK FOR ABA5060-SEKOLAH KEBANGSAAN DATO' YAHYA SUBBAN



## 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	3427
2	Install New Pole	ea	64
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	20
6	Estimated Time Required for Completion	days	30



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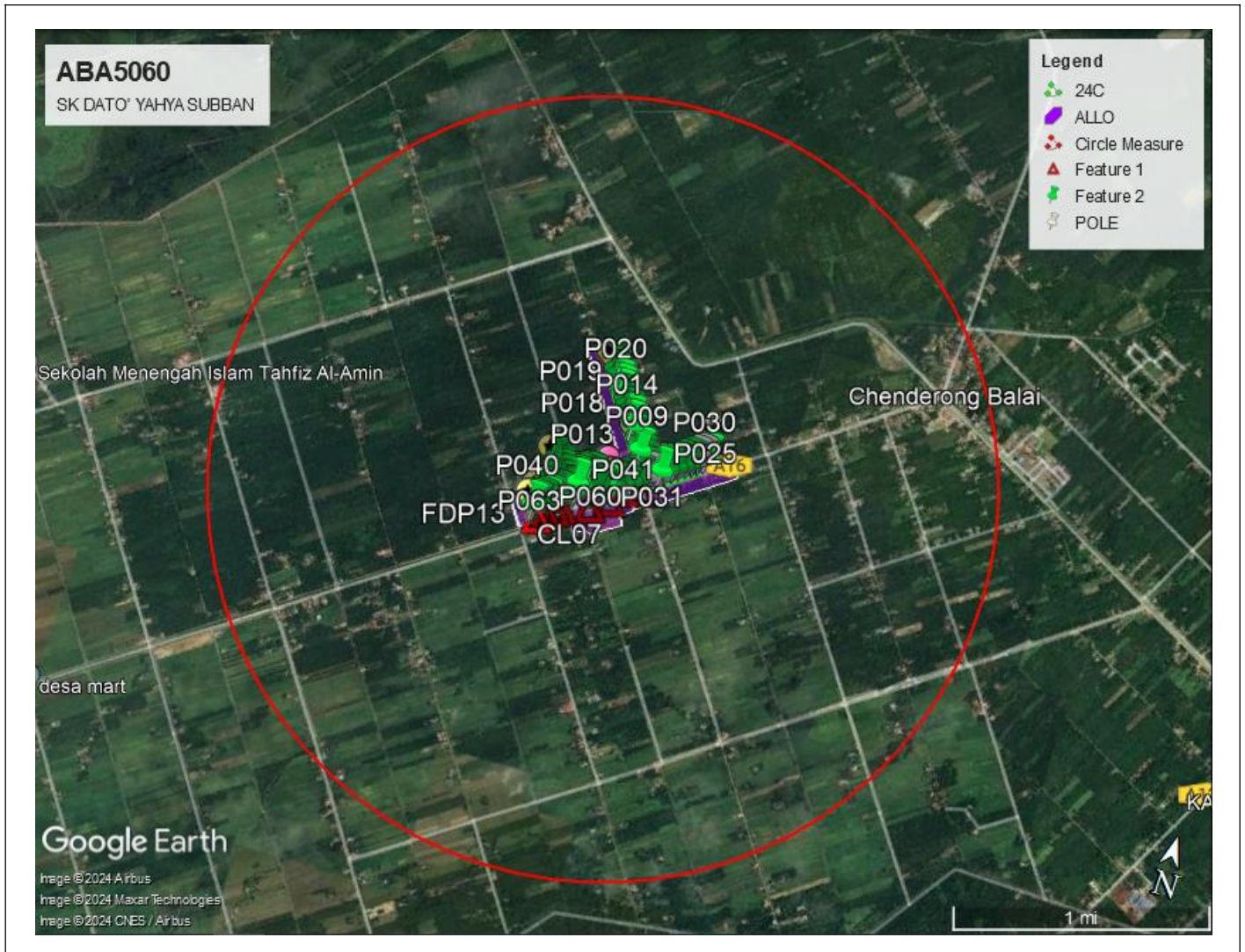
## 2.0 LOCAL AUTHORITY SUMMARY

Daerah Sungai Manik

NO	ITEMS	Owner	Quantity	Distance (m)
1	HDD	JKR	-	-
		Majlis	-	-
		Estate / Private Land	-	-
2	New Pole	JKR	14	560
		Majlis	46	1,840
		Estate / Private Land	-	-
<b>Total Distance (m)</b>				<b>2,400</b>

### 3.0 SITE PLAN (KMZ)

#### 3.1 Overview Site Area

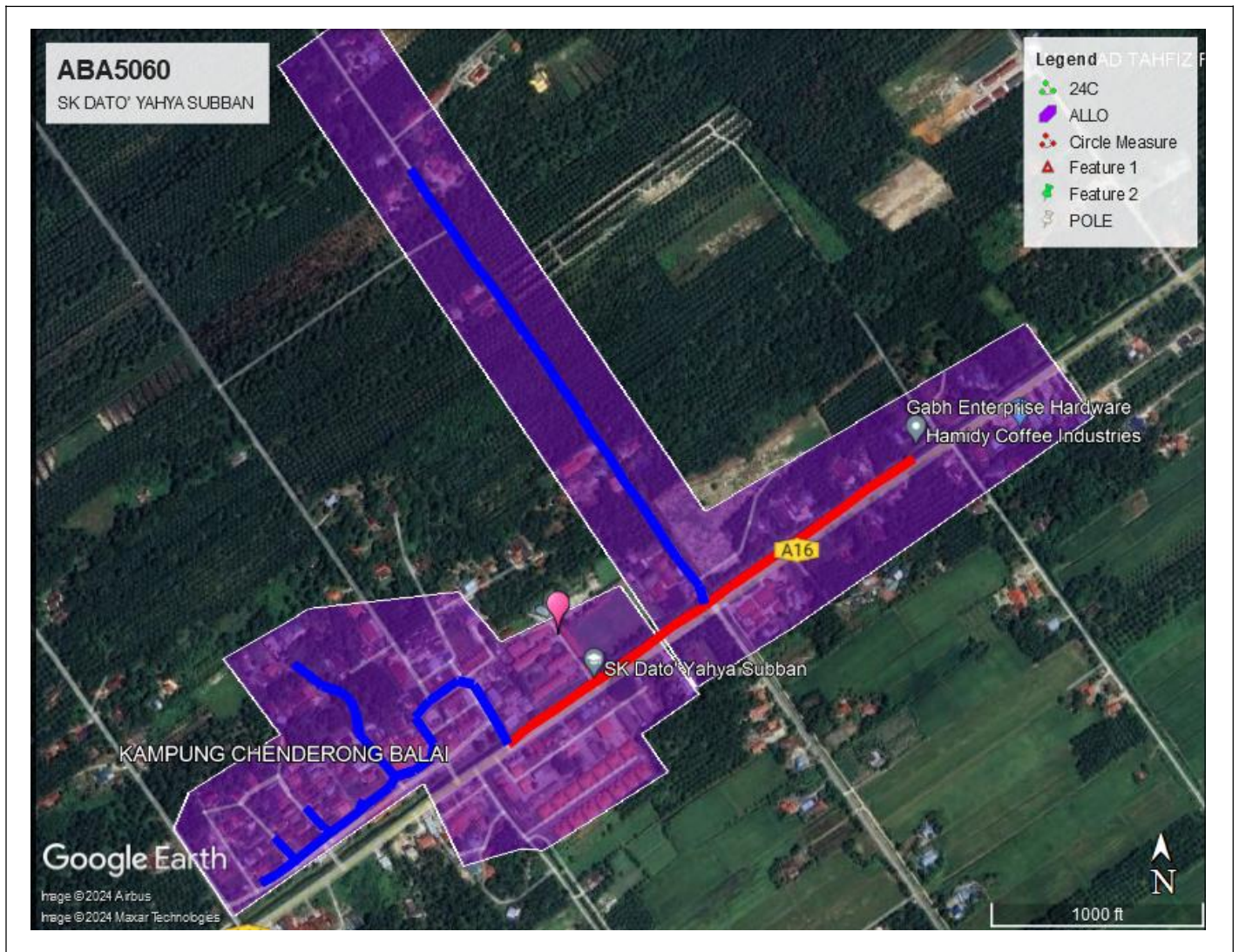




**3.2 Site Plan - KMZ Routing (All Local Authority)**

**Red Colour - JKR Road**

**Blue Colour - Majlis Road**



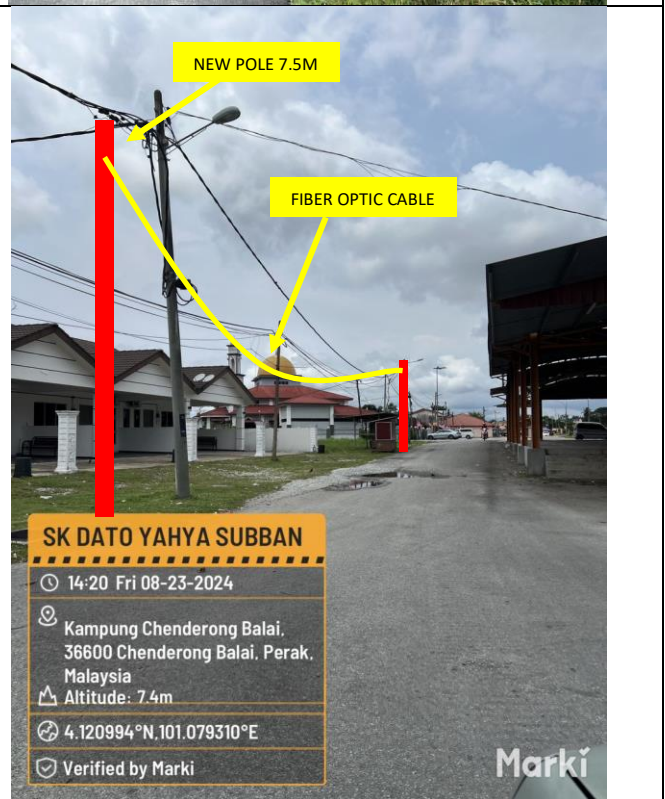
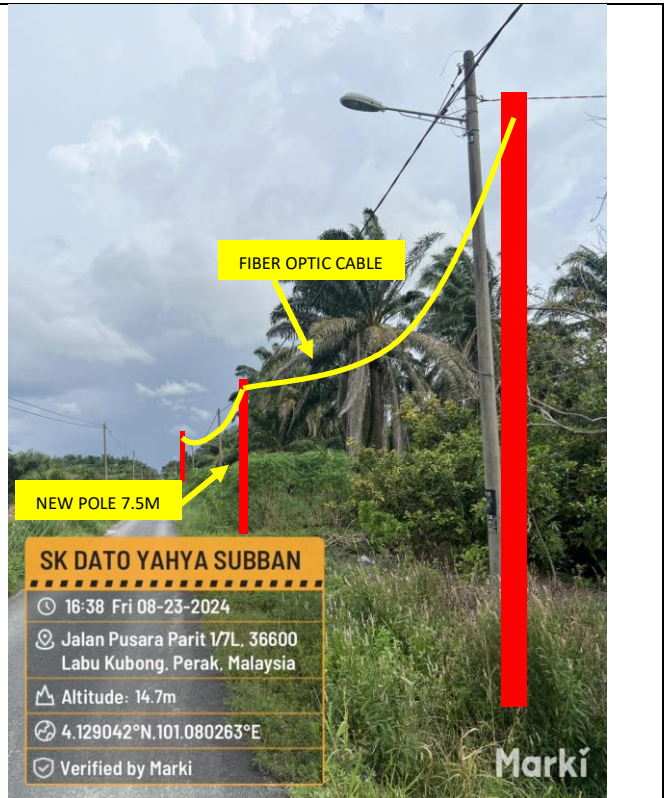
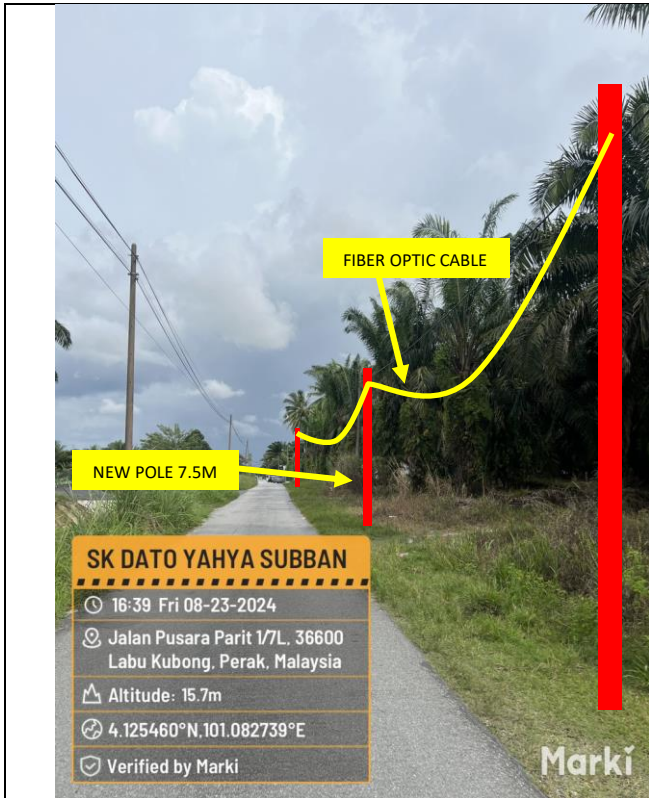
#### 4.0 PROPOSED NEW POLE

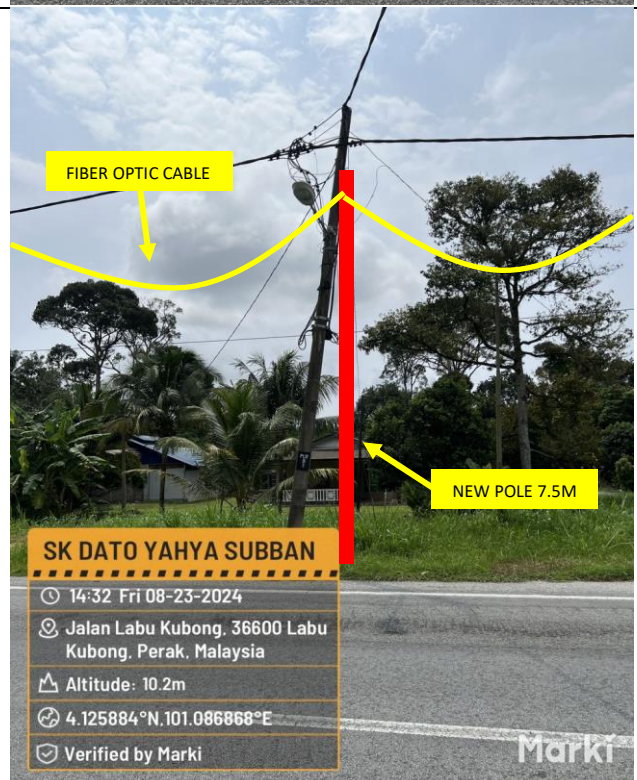
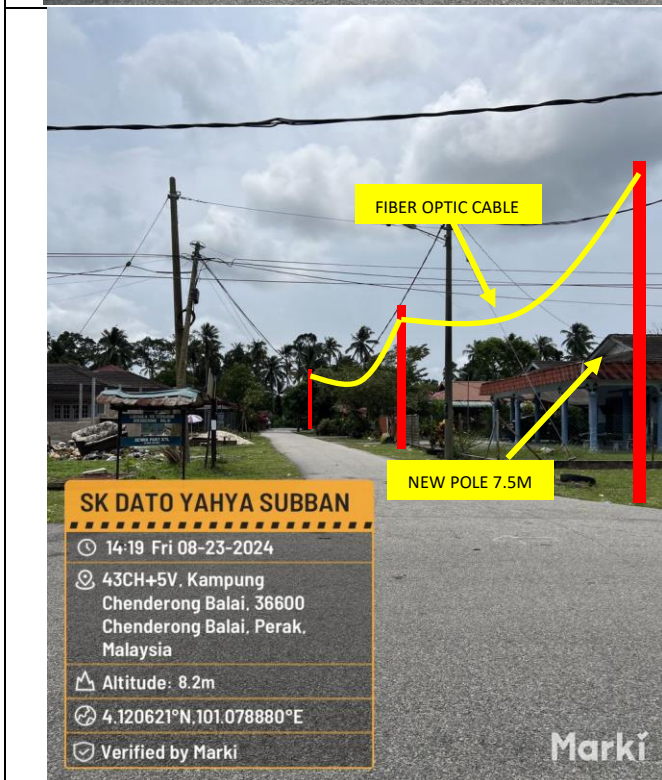
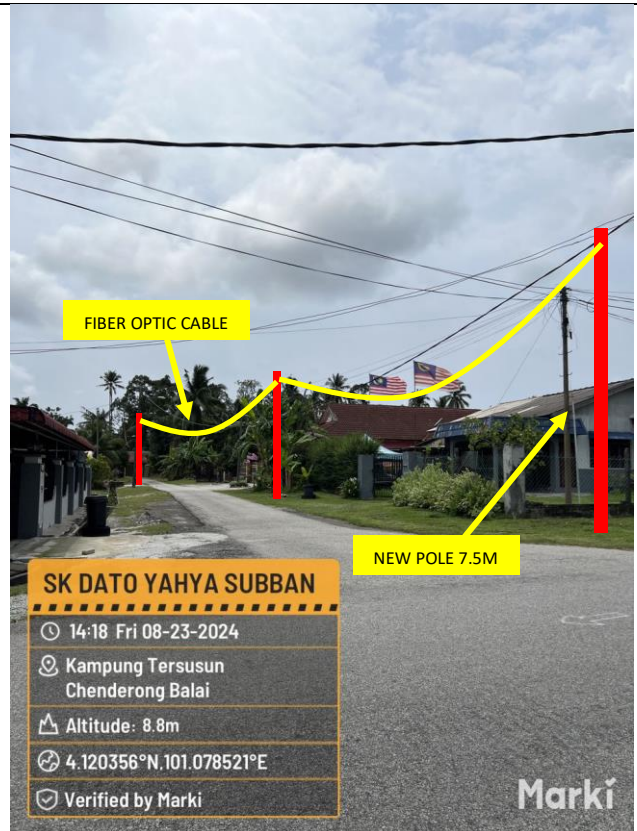
Proposed New Pole Coordinate					
No.	Pole Number	Distance (m)	Latitude	Longitude	Local Authority
1	FDC POLE	10	4.122664	101.082243	JKR Daerah Teluk Intan
2	T001	20	4.122777	101.082107	Majlis Perbandaran Teluk Intan
3	T002	20	4.122649	101.082218	JKR Daerah Teluk Intan
4	T003	32	4.122930	101.082650	JKR Daerah Teluk Intan
5	T004	31	4.123200	101.083020	JKR Daerah Teluk Intan
6	T005	34	4.123460	101.083380	JKR Daerah Teluk Intan
	EX POLE	31	4.123740	101.083780	JKR Daerah Teluk Intan
7	T006	30	4.123970	101.083710	Majlis Perbandaran Teluk Intan
8	T007	25	4.124340	101.083430	Majlis Perbandaran Teluk Intan
9	T008	31	4.124670	101.083200	Majlis Perbandaran Teluk Intan
10	T009	34	4.125010	101.082970	Majlis Perbandaran Teluk Intan
11	T010	32	4.125320	101.082760	Majlis Perbandaran Teluk Intan
12	T011	30	4.125650	101.082560	Majlis Perbandaran Teluk Intan
13	T012	30	4.125958	101.082332	Majlis Perbandaran Teluk Intan
14	T013	33	4.126276	101.082123	Majlis Perbandaran Teluk Intan
15	T014	34	4.126604	101.081894	Majlis Perbandaran Teluk Intan
16	T015	33	4.126898	101.081689	Majlis Perbandaran Teluk Intan
17	T016	31	4.127210	101.081466	Majlis Perbandaran Teluk Intan
18	T017	38	4.127525	101.081245	Majlis Perbandaran Teluk Intan
19	T018	22	4.127827	101.081028	Majlis Perbandaran Teluk Intan
20	T019	22	4.128079	101.080847	Majlis Perbandaran Teluk Intan
21	T020	34	4.128381	101.080639	Majlis Perbandaran Teluk Intan
22	T021	31	4.128722	101.080409	Majlis Perbandaran Teluk Intan
23	T022	32	4.128992	101.080215	Majlis Perbandaran Teluk Intan
24	T023	34	4.129329	101.079984	Majlis Perbandaran Teluk Intan
25	T024	34	4.123980	101.084130	JKR Daerah Teluk Intan
26	T025	32	4.124240	101.084500	JKR Daerah Teluk Intan
27	T026	35	4.124490	101.084860	JKR Daerah Teluk Intan
28	T027	32	4.124750	101.085240	JKR Daerah Teluk Intan
29	T028	33	4.124980	101.085550	JKR Daerah Teluk Intan
30	T029	34	4.125230	101.085900	JKR Daerah Teluk Intan
31	EX POLE	35	4.125440	101.086200	JKR Daerah Teluk Intan
32	EX POLE	31`	4.125630	101.086480	JKR Daerah Teluk Intan
33	T030	32	4.125850	101.086780	JKR Daerah Teluk Intan
34	T031	32	4.122410	101.081890	JKR Daerah Teluk Intan
35	T032	34	4.122150	101.081510	JKR Daerah Teluk Intan
36	T033	31	4.121945	101.081231	JKR Daerah Teluk Intan
37	T034	30	4.122240	101.081100	Majlis Perbandaran Teluk Intan
38	T035	25	4.122460	101.080970	Majlis Perbandaran Teluk Intan

39	T036	31	4.122710	101.080810	Majlis Perbandaran Teluk Intan
40	T037	34	4.122760	101.080610	Majlis Perbandaran Teluk Intan
41	T038	32	4.122500	101.080240	Majlis Perbandaran Teluk Intan
42	T039	30	4.122310	101.080060	Majlis Perbandaran Teluk Intan
43	T040	30	4.122150	101.080150	Majlis Perbandaran Teluk Intan
44	T041	33	4.121940	101.080300	Majlis Perbandaran Teluk Intan
45	T042	34	4.121760	101.080270	Majlis Perbandaran Teluk Intan
46	T043	33	4.121600	101.080040	Majlis Perbandaran Teluk Intan
47	T044	31	4.121390	101.079720	Majlis Perbandaran Teluk Intan
48	T045	38	4.121530	101.079800	Majlis Perbandaran Teluk Intan
49	T046	22	4.121790	101.079580	Majlis Perbandaran Teluk Intan
50	T047	22	4.122100	101.079340	Majlis Perbandaran Teluk Intan
51	T048	34	4.122360	101.079290	Majlis Perbandaran Teluk Intan
52	T049	31	4.122510	101.079220	Majlis Perbandaran Teluk Intan
53	T050	32	4.122620	101.079110	Majlis Perbandaran Teluk Intan
54	T051	34	4.122700	101.078860	Majlis Perbandaran Teluk Intan
55	T052	34	4.122830	101.078690	Majlis Perbandaran Teluk Intan
56	T053	32	4.122980	101.078490	Majlis Perbandaran Teluk Intan
57	T054	35	4.121150	101.079410	Majlis Perbandaran Teluk Intan
58	T055	32	4.121200	101.079310	Majlis Perbandaran Teluk Intan
59	T056	33	4.120970	101.079190	Majlis Perbandaran Teluk Intan
60	T057	34	4.120820	101.078990	Majlis Perbandaran Teluk Intan
61	T058	32	4.120860	101.078900	Majlis Perbandaran Teluk Intan
62	T059	32	4.121130	101.078650	Majlis Perbandaran Teluk Intan
63	T060	34	4.120630	101.078740	Majlis Perbandaran Teluk Intan
64	T061	31	4.120480	101.078540	Majlis Perbandaran Teluk Intan
65	T062	30	4.120750	101.078250	Majlis Perbandaran Teluk Intan
66	T063	25	4.120270	101.078270	Majlis Perbandaran Teluk Intan
67	T064	31	4.120160	101.078080	Majlis Perbandaran Teluk Intan

5.0 SITE PHOTOS - PROPOSED NEW POLE







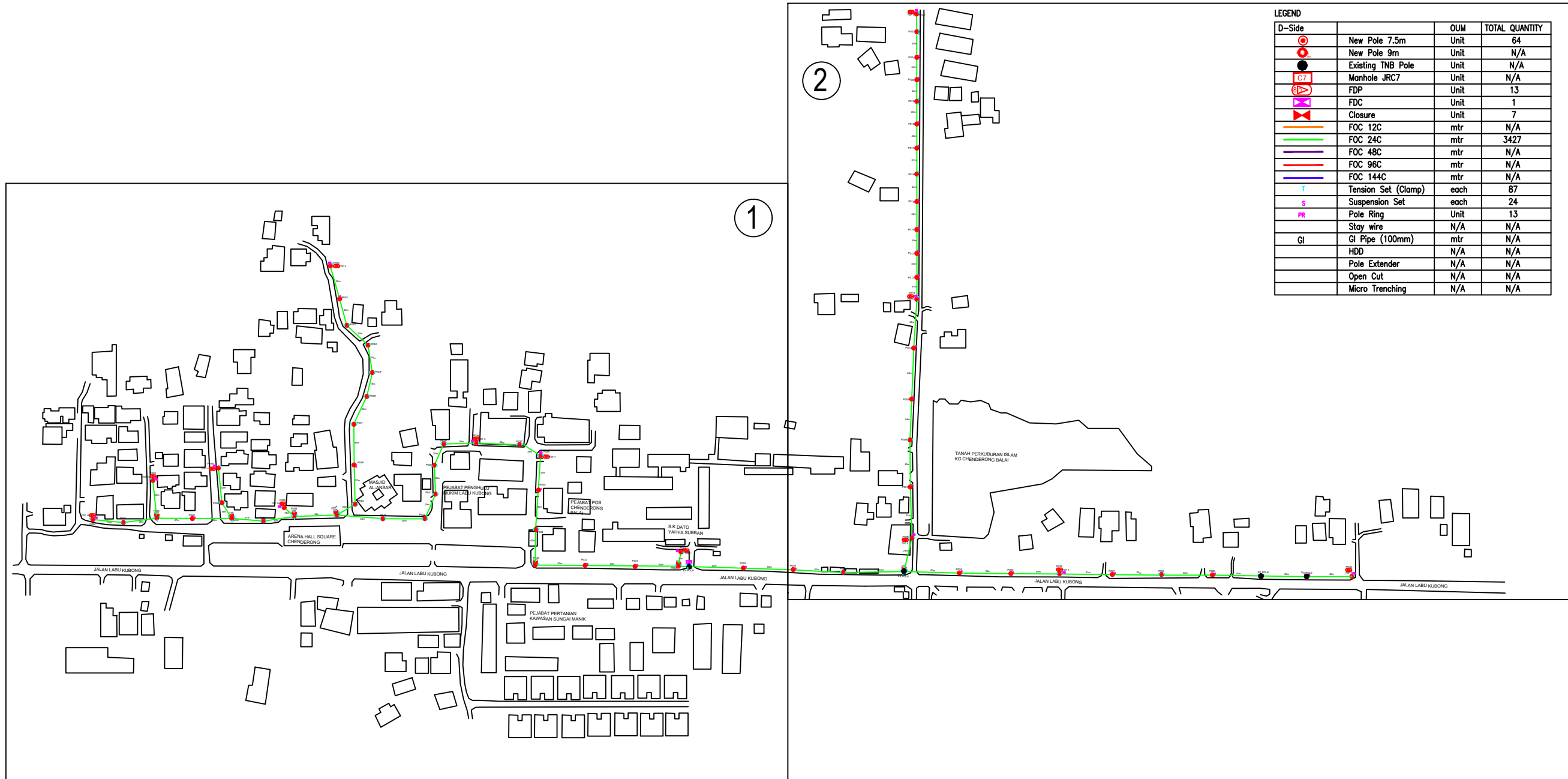


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## 6.0 3<sup>rd</sup> PARTIES DEPENDENCIES

NO	LOCAL COUNCIL / AUTHORITY	REMARK
1	Majlis Perbandaran Teluk Intan	2459m
2	JKR Daerah Teluk Intan	750m



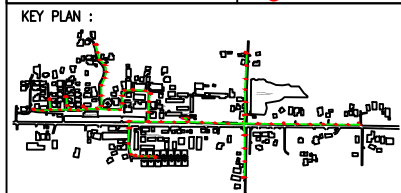
**LEGEND**

D-Side	Description	UOM	TOTAL QUANTITY
○	New Pole 7.5m	Unit	64
○	New Pole 9m	Unit	N/A
●	Existing TNB Pole	Unit	N/A
⊗	Manhole JRC7	Unit	N/A
⊗	FDP	Unit	13
⊗	FDC	Unit	1
⊗	Closure	Unit	7
—	FOC 12C	mtr	N/A
—	FOC 24C	mtr	3427
—	FOC 48C	mtr	N/A
—	FOC 96C	mtr	N/A
—	FOC 144C	mtr	N/A
T	Tension Set (Clamp)	each	87
S	Suspension Set	each	24
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	⊗	Existing Manhole	TKS-1	Existing TNB Pole NO.	PO01	New Pole NO.
—	48C FOC	Closure	⊗	Suspension Big	⊗	Existing TNB Pole	FDP1	FDP NO.	SEE A-A in this page	SEE SHEET XXXX
—	96C FOC	New Manhole (PIT)	⊗	Suspension Small	⊗	LOOP	FDC	FDC NO.	SEE SHEET XXXX	SEE SHEET XXXX
—	144C FOC	Installed Pole (7.5M)	⊗	FDC	—	FDP Boundary				



**PROJECT OWNER :**

KEMENTERIAN KOMUNIKASI DAN DIGITAL

**MAIN CONTRACTOR**

**PRIVASAT**

**SUB-CONTRACTOR :**

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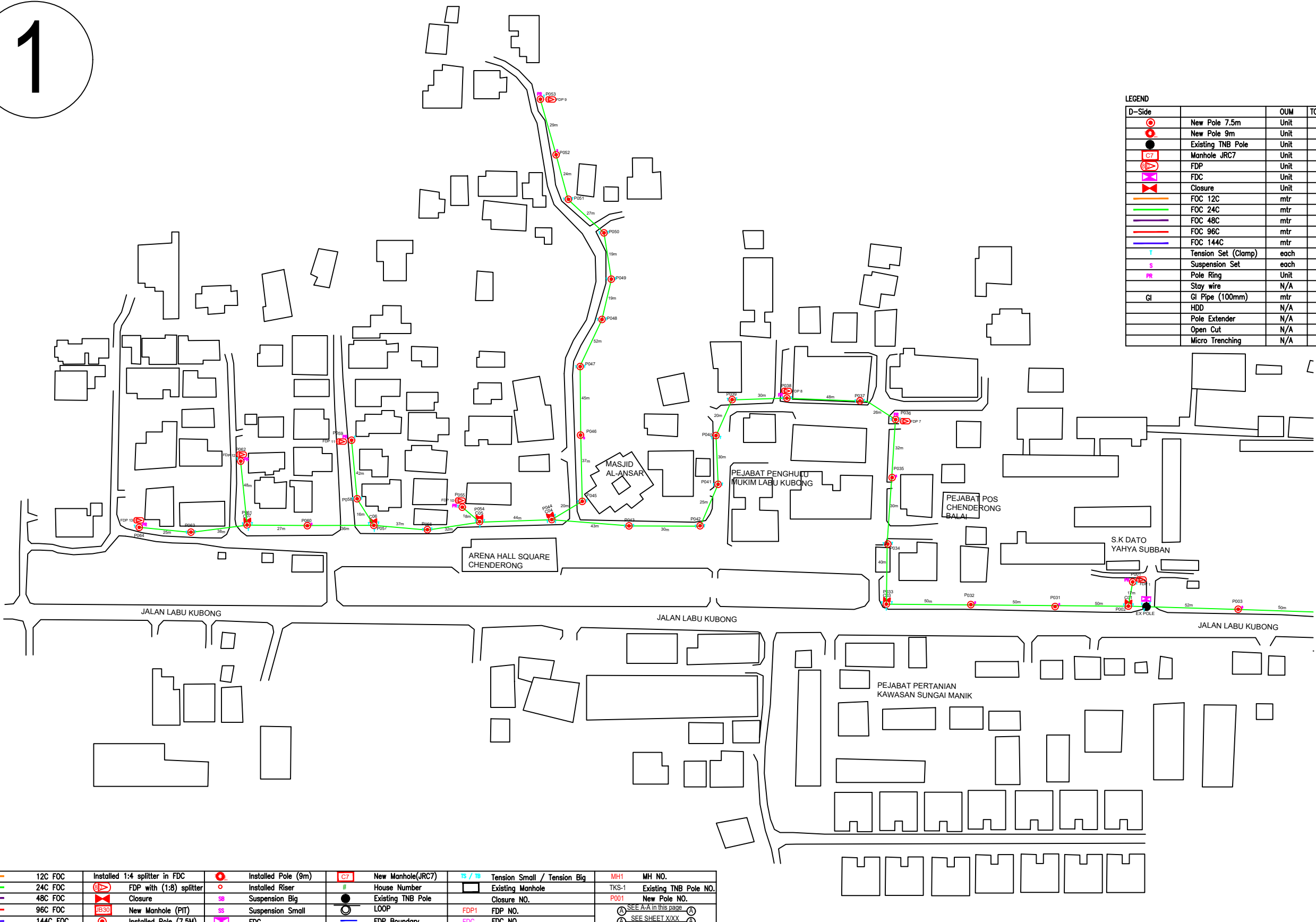
**PROJECT TITLE:**  
FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE FROM POP (SEKOLAH KEBANGSAAN DATO YAHYA SUBBAN) TO PREMISES PASS AREA

**DRAWING TITLE:**  
PLAN FOR SEKOLAH KEBANGSAAN DATO YAHYA SUBBAN

**PROJECT PHASE:**  
CONSTRUCTION DOCUMENT

Design By : M.DANIEAL ADIKHA	Date : 27/8/24
Drawn By : M.DANIEAL ADIKHA	Scale : NOT TO SCALE
Checked By :	Job Number :
<b>DRAWING NUMBER :</b> NISB/SK DATO YAHYA SUBBAN/CD/FTTX/001	Sheet :
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1



LEGEND

D-Side	Description	Unit	TOTAL QUANTITY
	New Pole 7.5m	Unit	64
	New Pole 9m	Unit	N/A
	Existing TNB Pole	Unit	N/A
	Manhole JRC7	Unit	N/A
	FDP	Unit	13
	FDC	Unit	1
	Closure	Unit	7
	FOC 12C	mtr	N/A
	FOC 24C	mtr	3427
	FOC 48C	mtr	N/A
	FOC 96C	mtr	N/A
	FOC 144C	mtr	N/A
	Tension Set (Clamp)	each	87
	Suspension Set	each	24
	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		LOOP		FDP NO.		SEE A-A in this page
	144C FOC	Installed Pole (7.5M)		FDC		FDP Boundary		FDC NO.		SEE SHEET XXX



PROJECT OWNER :

KEMENTERIAN KOMUNIKASI DAN DIGITAL

MAIN CONTRACTOR

PRIVASAT

SUB-CONTRACTOR :

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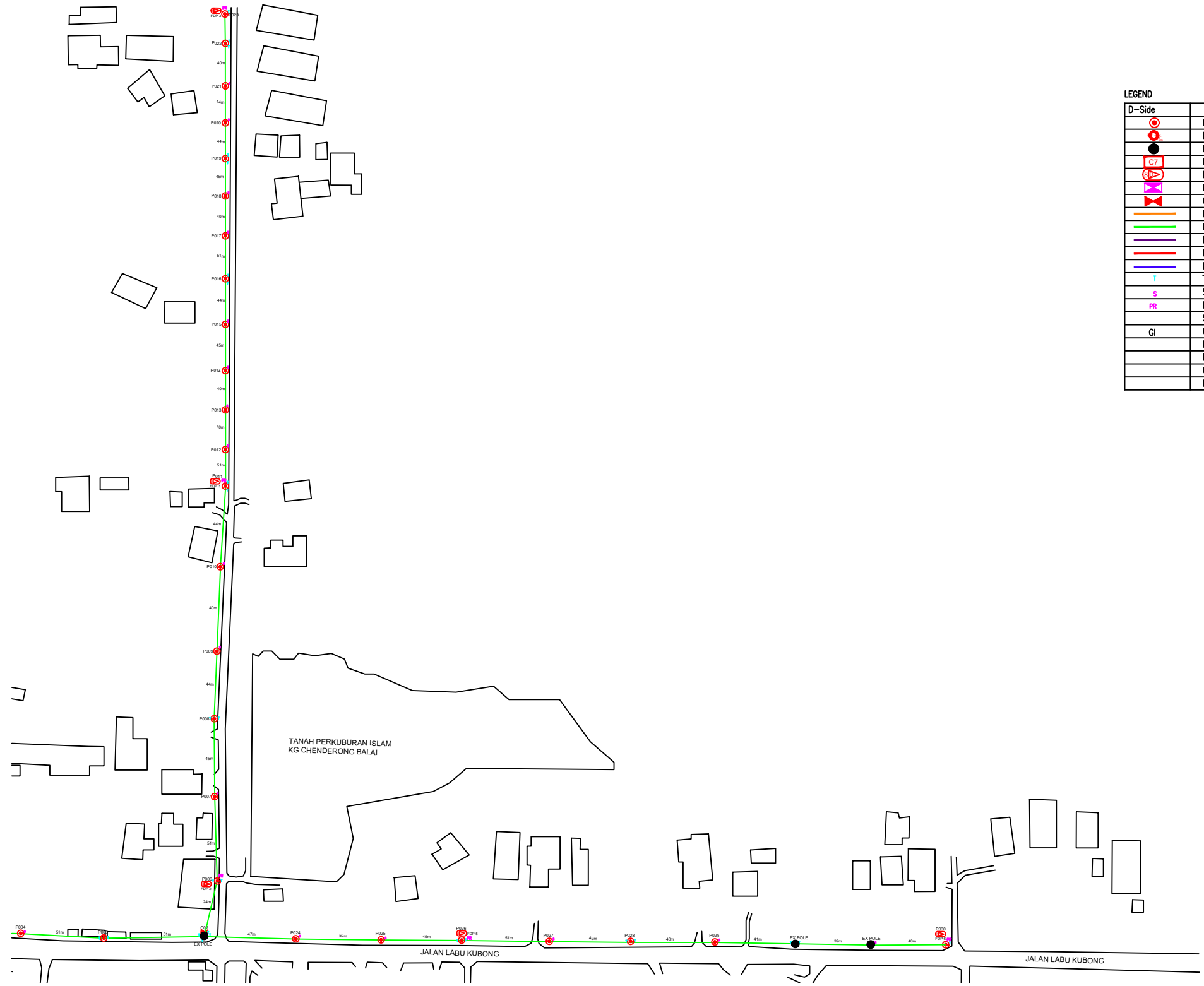
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Size : A3	

2



LEGEND

D-Side	Description	UOM	TOTAL QUANTITY
○	New Pole 7.5m	Unit	64
●	New Pole 9m	Unit	N/A
●	Existing TNB Pole	Unit	N/A
⊕	Manhole JRC7	Unit	N/A
⊕	FDP	Unit	13
⊕	FDC	Unit	1
⊕	Closure	Unit	7
—	FOC 12C	mtr	N/A
—	FOC 24C	mtr	3427
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—	FOC 96C	mtr	N/A
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T	Tension Set (Clamp)	each	87
S	Suspension Set	each	24
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
—	24C FOC
—	48C FOC
—	96C FOC
—	144C FOC
⊕	Installed Pole (9m)
○	Installed Pole (7.5m)
⊕	Installed Riser
⊕	Suspension Big
⊕	Suspension Small
⊕	FDC
⊕	Installed 1:4 splitter in FDC
⊕	FDP with (1:8) splitter
⊕	Closure
⊕	New Manhole (PIT)
⊕	Installed Pole (7.5M)
⊕	New Manhole(JRC7)
#	House Number
●	Existing TNB Pole
○	LOOP
—	FDP Boundary
TS / TB	Tension Small / Tension Big
⊕	Existing Manhole
⊕	Closure NO.
FDP1	FDP NO.
FDC	FDC NO.
MH1	MH NO.
TKS-1	Existing TNB Pole NO.
P001	New Pole NO.
⊕	SEE A-A IN THIS DRAWING
⊕	SEE SHEET XXXX



PROJECT OWNER :

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MAIN CONTRACTOR

PRIVASAT

SUB-CONTRACTOR :

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