

UM5G FOC TP_F41 NID UM5G NGBH – AKND OPT.2 – 1W HDD

Revision Record

Revision No.	Description Of Change	Author	Effective Date
0	New Document	MUHAMMAD NUR HAIMI BIN AMDAN	05/10/2023
1	1. Info Main Fiber, Permit & IW. 2. Additional Picture of building & picture every Manhole	MUHAMMAD NUR HAIMI BIN AMDAN	9/06/2025

Technical Proposal for TM Project



Project Description:	UM5G FOC TP_F41 NID UM5G NGBH – AKND
Project Number:	TMNA/250573
TM Node	TP
Region	NORTHERN
SITE ID	AKND
RFSI Date	31/01/2025
GPS Coordinate	4.816056, 100.747194
Main Fiber Info	TP_F41
Required Permit OSA	Yes
Landowner permit/issue	Yes
Required IW	No
Floor Involved for IW	

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Company Name:	PROSERINS TECHNOLOGY SDN. BHD
Date:	15/1/2026
TP Revision:	1

MATRIX REQUIREMENT FOR PROJECT

NO	Item	Detail Item	Remark	TP Check list					
				FTTH >1 DP	FTTH 1 FDP	Add DP / Tie DP	NID/5G	Civil	Main FOC
1	Cabinet location	Boundary	Polygon on Map showing area covered by FDC	C	C	NR	NR	NR	NR
		Detail Illustration	Illustration showing FDP location on picture, table with detail address, latlong	C	C	C	C	NR	NR
2	Cable Plan	On Map	Cable Plan, ID, Distance, Route, Distance, Joint Location illustration on map	C	C	C	C	NR	C
		SLD	Cable Plan	C	NR	NR	NR	NR	NR
3	FDP	Detail FDP/Tie DP	Table with FDP & Tie DP Detail	C	C	C	NR	NR	NR
		FDP, Tie DP Boundary	Polygon on Map for landed or Building image for Highrise showing area covered by each FDP	C	C	C	NR	NR	NR
4	Pole	Plan	Location and quantity on Map	C	C	C	C	C	C
		Illustration	Illustration showing Pole location on picture, table with detail pole type, latlong	C	C	C	C	C	C
5	Civil	Plan	Location and quantity on Map	C	C	C	C	C	C
		Illustration	Illustration showing civil location on picture, table with detail address, latlong	C	C	C	C	C	C
		Civil Manhole Detail	Table with Manhole Detail	C	C	C	C	C	C
6	BOQ & BOM	Detail BOQ	Detail PU item related to project. Show – PU number, quantity and costDetail	C	C	C	C	C	C
		Detail BOM*	Material related to project	C	C	C	C	C	C
7	Costing		Overall cost	C	C	C	C	C	C

*CNC Lite only

Checklist for 5G project

NO			DETAIL	TICK IF REQUIRED
1	5G Cabinet Location	1.1	5G Cabinet Map Location	
		1.2	5G Cabinet Details and Illustration	
2	Fiber Route Information	2.1	Detail Fiber Route to the site	
4	New Pole & Civil information	4.1	Pole plan (new pole)	
		4.2	Pole details	
5	New Civil	5.1	Civil Plan	
		5.2	Civil Illustration	
		5.3	Civil Manhole Detail	
6	BOQ & BOM	6.1	Project BOQ	
		6.2	Detail BOM	
7	Costing	7.1	Overall Costing	
8	PO VO	8.1	Plan	
		8.2	Costing	
		8.3	SI FORM	



Legend:

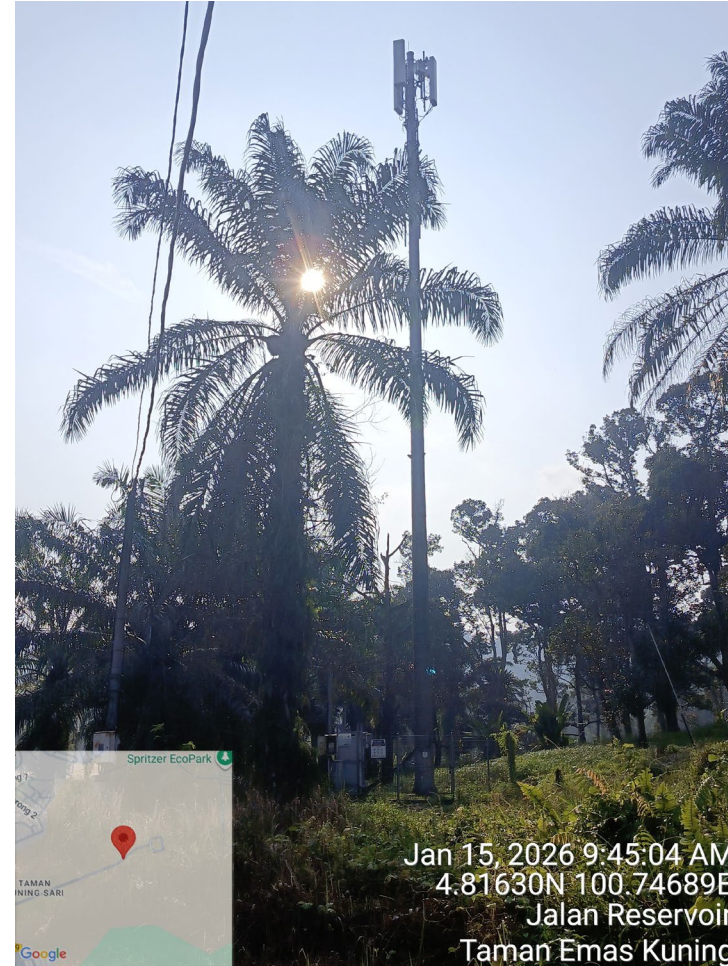


5G Cabinet Location

1.2

5G Cabinet Details and Illustration

No	Info	Road/Location	Type	Lat/Long
1	UM5G AKND	Berdekatan PMU 132 kV Taiping Switching Station, 34000 Taiping, Perak	TOWER	4.816056, 100.747194



Legend:



5G Cabinet Location

2.1

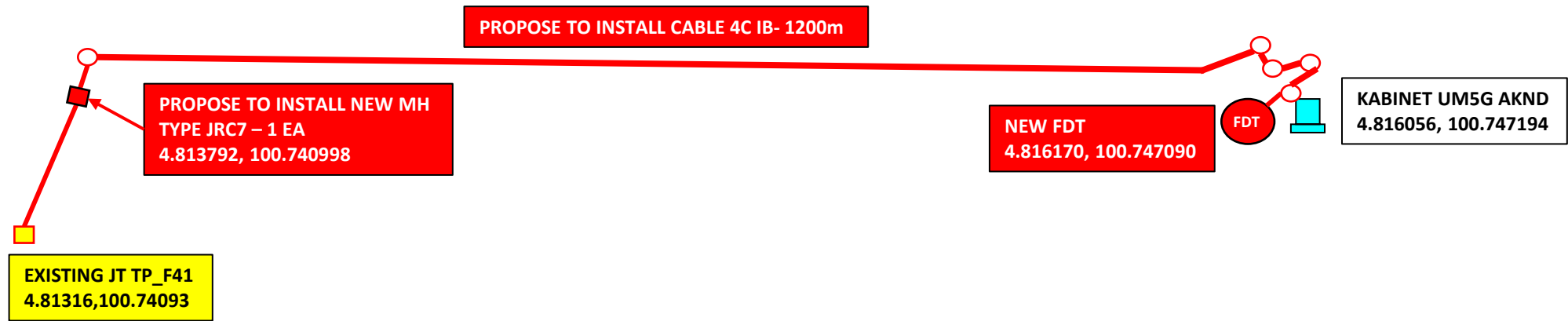
Detail Fiber Route to the site



Legend:  5G Cabinet  Existing Joint  New Pole  New FDT  New MH

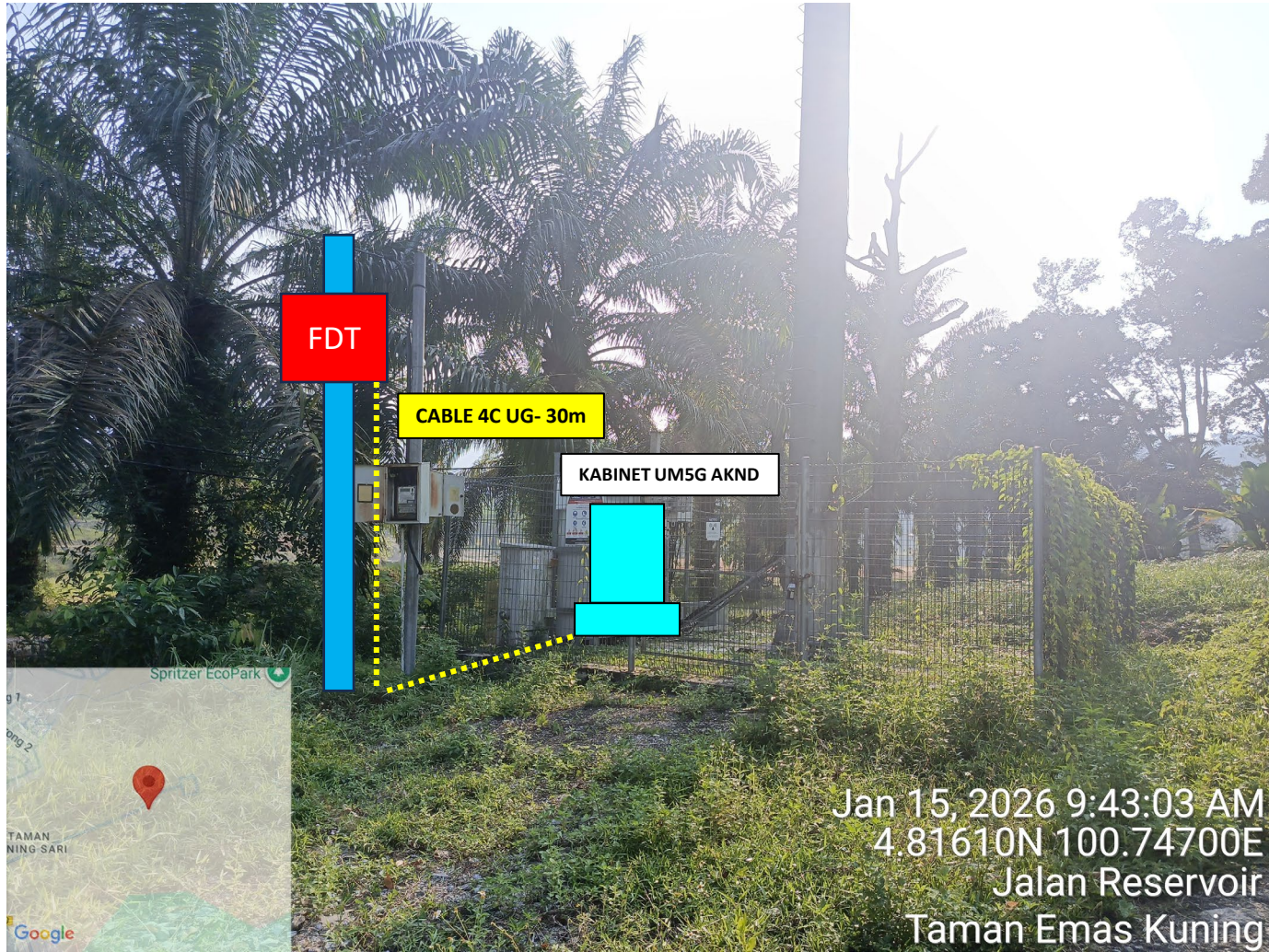
2.1

Detail Fiber Route to the site



Legend:  5G Cabinet  Existing Joint  New Pole  New FDT  New MH

2.1 Detail Fiber Route- Lalan Kabel dari FDT ke Kabinet



3.1 New Pole Plan



Legend:



5G



NEW POLE

3.2 New Pole details

No	Pole Type	GPS Coordinate
1	Iron Pole 7.6m	4.816184°100.747093°
2	Concrete Pole 7.5m	4.816240°100.747050°
3	Concrete Pole 7.5m	4.816321°100.747019°
4	Concrete Pole 7.5m	4.816280°100.746943°
5	Concrete Pole 7.5m	4.816337°100.746899°
6	Concrete Pole 7.5m	4.816177°100.746701°
7	Concrete Pole 7.5m	4.816058°100.746449°
8	Concrete Pole 7.5m	4.815965°100.746180°
9	Concrete Pole 7.5m	4.815847°100.745867°
10	Concrete Pole 7.5m	4.815736°100.745581°
11	Concrete Pole 7.5m	4.815614°100.745310°
12	Concrete Pole 7.5m	4.815528°100.745078°
13	Concrete Pole 7.5m	4.815443°100.744876°
14	Concrete Pole 7.5m	4.815339°100.744633°
15	Concrete Pole 7.5m	4.815271°100.744456°
16	Concrete Pole 7.5m	4.815203°100.744287°
17	Concrete Pole 7.5m	4.815140°100.744101°
18	Concrete Pole 7.5m	4.815062°100.743917°

3.3

New Pole Illustration



3.3 New Pole Illustration

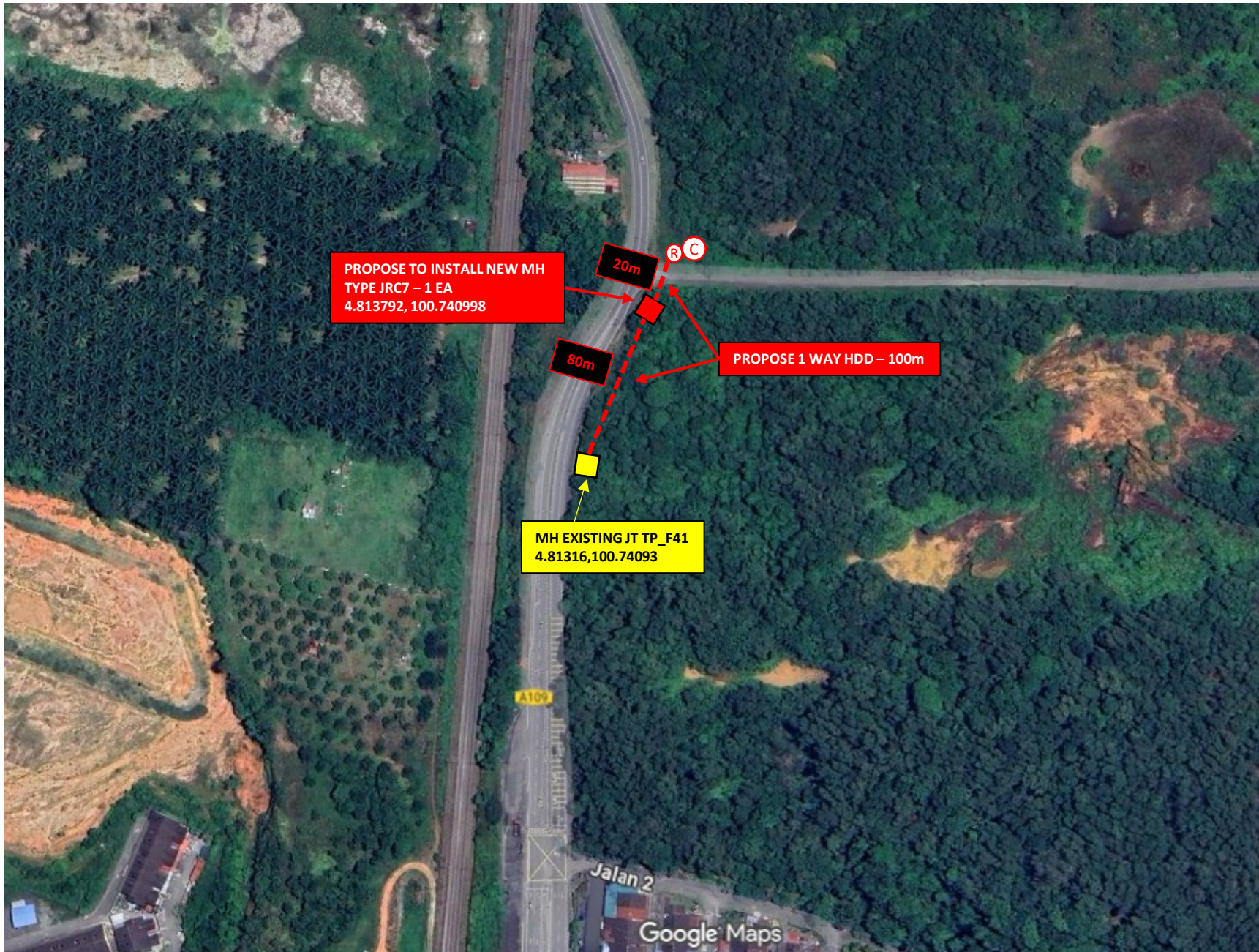


3.3





New Pole Illustration



3.4 New Civil



LEGEND:

-  NEW MH
-  EXISTING MH
-  NEW POLE CONCRETE
-  NEW RIZER

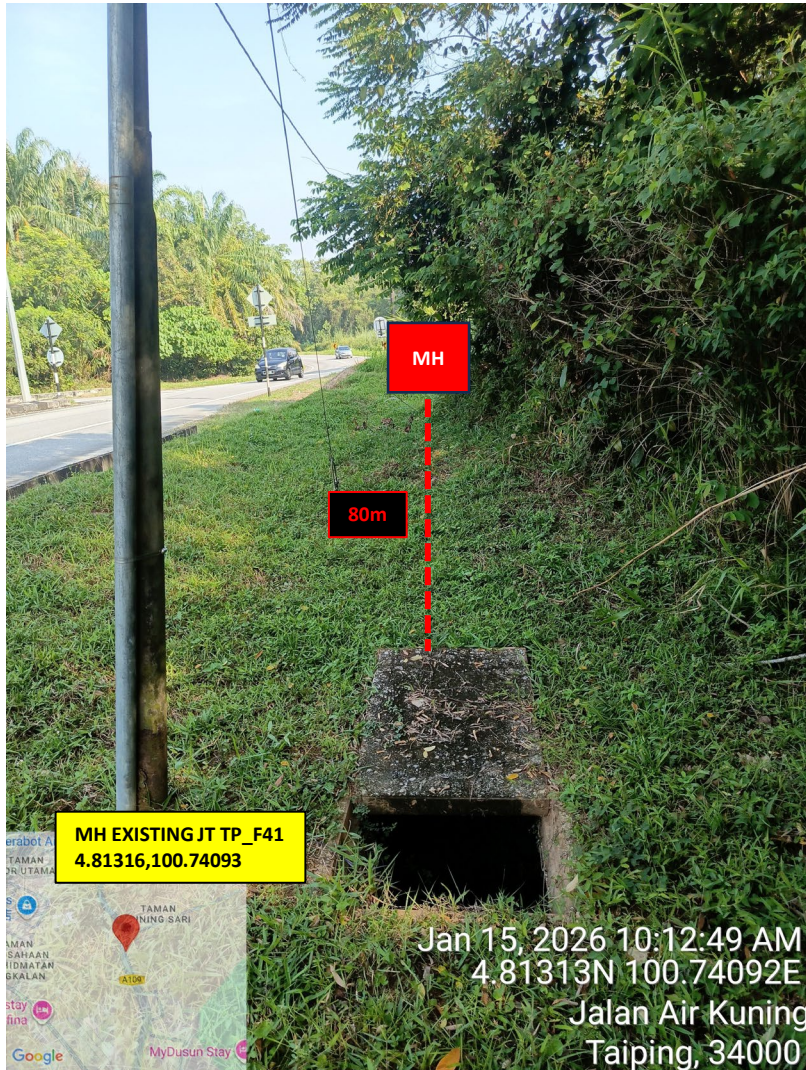
3.5 New Civil details

No	PU ID	PU Desc	GPS Coordinate
1	908199	DSGN/S/I 1 WAY HDPE DUCT PN10	4.813792, 100.740998
2			
3			
4			
5			
6			
7			
8			
9			
10			

3.3 New Civil Illustration



3.3 New Civil Illustration



Photos On-Site



4.1 BIL OF QUANTITY - BOQ

Contract NO	3400049581
Vendor No	1013314
Project No	TMNA/250573
Region	NORTHERN
Exchange	TP
BOQ Date	15 JAN 2026
LOR ID	PRK-PST-2542068-TP



No	PU ID	PU DESC	RATE	REQ QUANTITY	TOTAL(RM)
1	600010	COMMERCIAL S/I FOC 4C UG (ORI MAX)	6.89	30	206.70
2	600012	COMMERCIAL S/I FOC 4C OH (ORI MAX)	7.83	1,200	9,396.00
3	908143	S/I CONCRETE POLE (>4POLES) (ORI MAX)	480.28	23	11,046.44
4	908144	S/I CONCRETE POLE (UP TO 4 POLES) (ORI MAX)	673.38	4	2,693.52
5	908146	S/I IRON POLE (UP TO 4 POLES) (ORI MAX)	1,118.08	1	1,118.08
6	908137	S/I 1 WAY OPEN TRENCHING (ORI MAX)	44.39	10	443.90
7	108392	INS MANHOLE PRE-FAB JRC7	491.12	1	491.12
8	908199	DSGN/S/I 1-WAY HDPE DUCT PN10	169.79	100	16,679.00
			MATERIAL MANAGEMENT FEE		1,120.71
			SST 6%		2,609.72
TOTAL COST					46,105.19

4.2 BOM - PRK-PST-2542068-TP – UM5G AKND

No	Items	Unit	Quantity
1	CABLE OFC 4C LOOSE IB	M	1200
2	CABLE OFC 4C LOOSE U/G	M	30
3	FIBER DP AERIAL CW SP 1X1:8	PCS	1
4	DUCT PVC 107MM X 6M	PCS	2
5	PLATE PVC B SUBDUCT (40MM)	PCS	2
6	END CAP SUBDUCT (40MM)	PCS	6
7	SUBDUCT CORRUGATED HDPE (40MM)	M	410
8	RING 0 SUBDUCT (40MM)	PCS	6
9	CHAMBER M/HOLE PREFAB JRC7 COMPLETE	EA	1
10	POLE IRON 7.6M	EA	1
11	POLE CONCRETE 7.5M	EA	27
12	CLAMP IB NO.2	EA	17
13	HOOK CLAMP IB NO. 2A	EA	17
14	TIE CABLE STAINLESS STEEL 7MM X 335MM	EA	4
15	TIE CABLE STAINLESS STEEL 7MM X 490MM	EA	10
16	CLAMP POLE CONCRETE	EA	30
17	GRIP PREFORMED 7/1.6	EA	24
18	THIMBLE OPEN SMALL	PCS	24
19	CLAMP TERMINATING POLE IRON	EA	1
20	PIPE GI 100MM X 4M C/W COUPLING	PCS	2
21	CHAMBER M/HOLE PREFAB JRC7 COMPLETE	EA	1
22	BOX PANEL DISTRIBUTION 12C	EA	1
23	DUCT PN10	M	100

END OF TECHNICAL PROPOSAL