
	Contractor	Direct Field Resources Sdn Bhd	
	SOW Ref	B12 - OSP Construction & Commisioning	
	LRD	UBES-SBES	
	Subject	Fiber Technical Proposal	



Region	Eastern		
KV/OKV	OKV		
Point A	UBES	Point B	SBES
Address	AT AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA KAMPUS BUKIT BESI, 23200, TERENGGANU.		
Site A Lat Long	4.728807, 103.196627		
Site B Lat Long			
Structure Owner	MAXIS		

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- Section 1: Proposal Sign-off sheet
- Section 2: Outside Plant Civil Infra Design Summary
- Section 3: Vicinity Map
- Section 4: Civil Infrastructure Route Plan & Permint Boundary
- Section 5: Proposed Manhole GPS Coordinates
- Section 6: Cable Infrastructure Route Plan & Proposed Cable Plan
- Section 7: Core Assignment Plan
- Section 8: Outside Plant Site Snapshot
- Section 9: Cabin Information & Floor Plan
- Section 10: Internal Trenching Permit/Snapshot
- Bill of Quantities (BoQ)



Section 1: Proposal Sign-off Sheet

This proposal is contains the civil design proposal for **MAXIS SITE"UBES-SBES"**
AT AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA KAMPUS BUKIT BESI, 23200,
TERENGGANU.

All the information presented complied with Maxis Outside Plan technical specification & guidelines:

- Last Mile Telecommunication Systems Design and Survey (GLD/TNE/005)
- GLD/CATE/002 (Outside Plant Design and Build Guideline)
- OSPE GLD/TNE/003(Horizontal Directional Drilling Procedure & Guideline)
- OSPE GLD/TNE/004 (Road Reinstatement Work Guideline)

The proposed construction methodologies, material and Bill of Quantity are verified to be correct.

Direct Field Resources Sdn Bhd

Name: _____

Designation: _____

Signature: _____

Check & Approved by: _____

Signature: _____

Submission Date: _____

Maxis OSP Detail Design

Name: Heiri Azim

Designation: Transport Network Engineer

Signature: _____

Approval Date: _____



Section 2: Outside Plant Civil Infra Design Summary

Overall proposed OSP Civil Infrastructure Design Distance	1485	meter
a. Horizontal directional drilling	970	meter
b. Carriage way open cut trenching	0	meter
c. Grass verge open cut trenching	505	meter
d. Micro-trenching (mT)	0	meter
e. Maxis Pole	0	meter
f. Cable trunking	0	meter
g. GI Pipes Crossing/Riser	0	meter
h. Exist Cable Ladder	0	meter
i. Duct GI	10	meter

ITP trunking/riser length	0	meter
ITP cable length from Maxis fiber tapping point to new termination point at building/cabin	1633.5	meter
No. of proposed manhole	8	pc
Area of miling work required	0	meter

Local council & authority approval requirement	1485	meter
a. JKR DUNGUN	970	meter
b. LEMBAGA KEMAJUAN TERENGGANU TENGAH	505	meter
c. UITM MANAGEMENT	10	meter

Estimated Cost of the Scheme/Project	0.00	RM
--------------------------------------	-------------	----

Type of building:	MONOPOLE
Address:	AT AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA KAMPUS BUKIT BESI, 23200, TERENGGANU.
Contact person:	
Contact no.:	



Existing Infrastructure Information

Preceding duct/sub-duct space	Existing manhole at TAPPING T-LJKBR-0142-000M at JALAN (14)
Preceding duct/sub-duct condition	Existing duct and subduct have to test
Existing cable/fiber condition	TBD wants the design for all cluster is completed
Existing sites power & space	Space available

Tenaga Pole Option

TNB pole availability	N/A
Distance of the TNB poles	N/A
Constraint	N/A

Other Highlights/Remarks

--

SLA

Date Survey Triggered

Survey Done (Days)	TP Submission (Days)
3	14

Implementation

Method	Distance (m)	CW (Days)
Underground	1475	65
Pole	0	0
Total	1475	65

Date TP Submission
Date CW Completed



Section 3





MAXIS BROADBAND SDN BHD
maxis
 Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
 LOCATION PLAN FOR MAXIS SITE "UBES-SBES"
 AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA
 KAMPUS BUKIT BESI, 23200, TERENGGANU.

Designed by:
 DIRECT FIELD RESOURCES SDN BHD
Prepared by: DIRECT FIELD
Job No:

Checked by:
 HEIRI AZIM
Date: 23/12/2024
File:

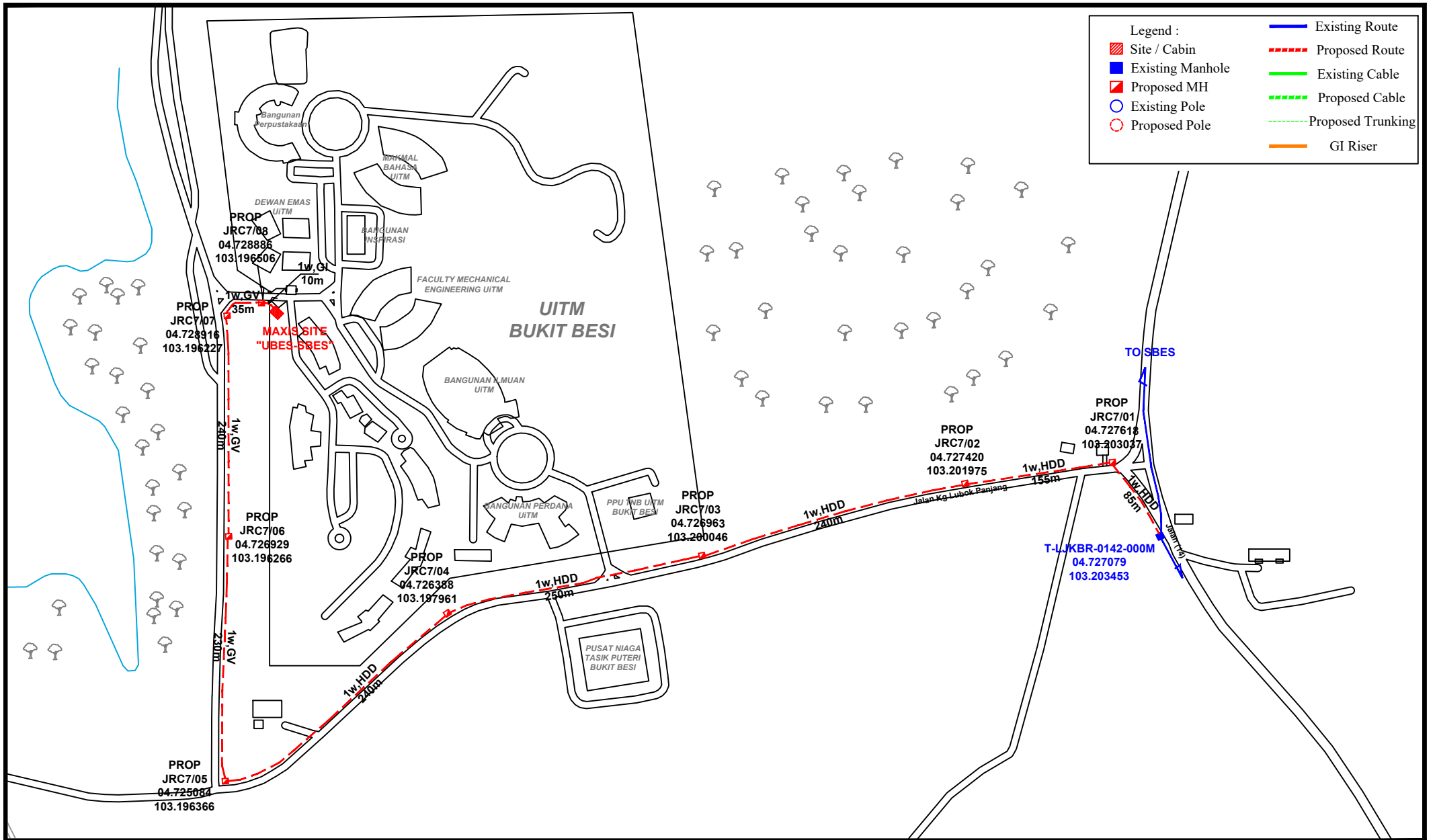
Approved by:
 HEIRI AZIM
Sheet no : 1 OF 3
Rev:



Section 4

Civil Infrastructure Route Plan & Permit





MAXIS BROADBAND SDN BHD
 Level 5-9, 11, 14-25 & 29-30
maxis Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
 CIVIL PLAN FOR MAXIS SITE "UBES-SBES"
 AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA
 KAMPUS BUKIT BESI, 23200, TERENGGANU.

Designed by:
 DIRECT FIELD RESOURCES SDN BHD

Prepared by: DIRECT FIELD

Job No:

Checked by:
 HEIRI AZIM

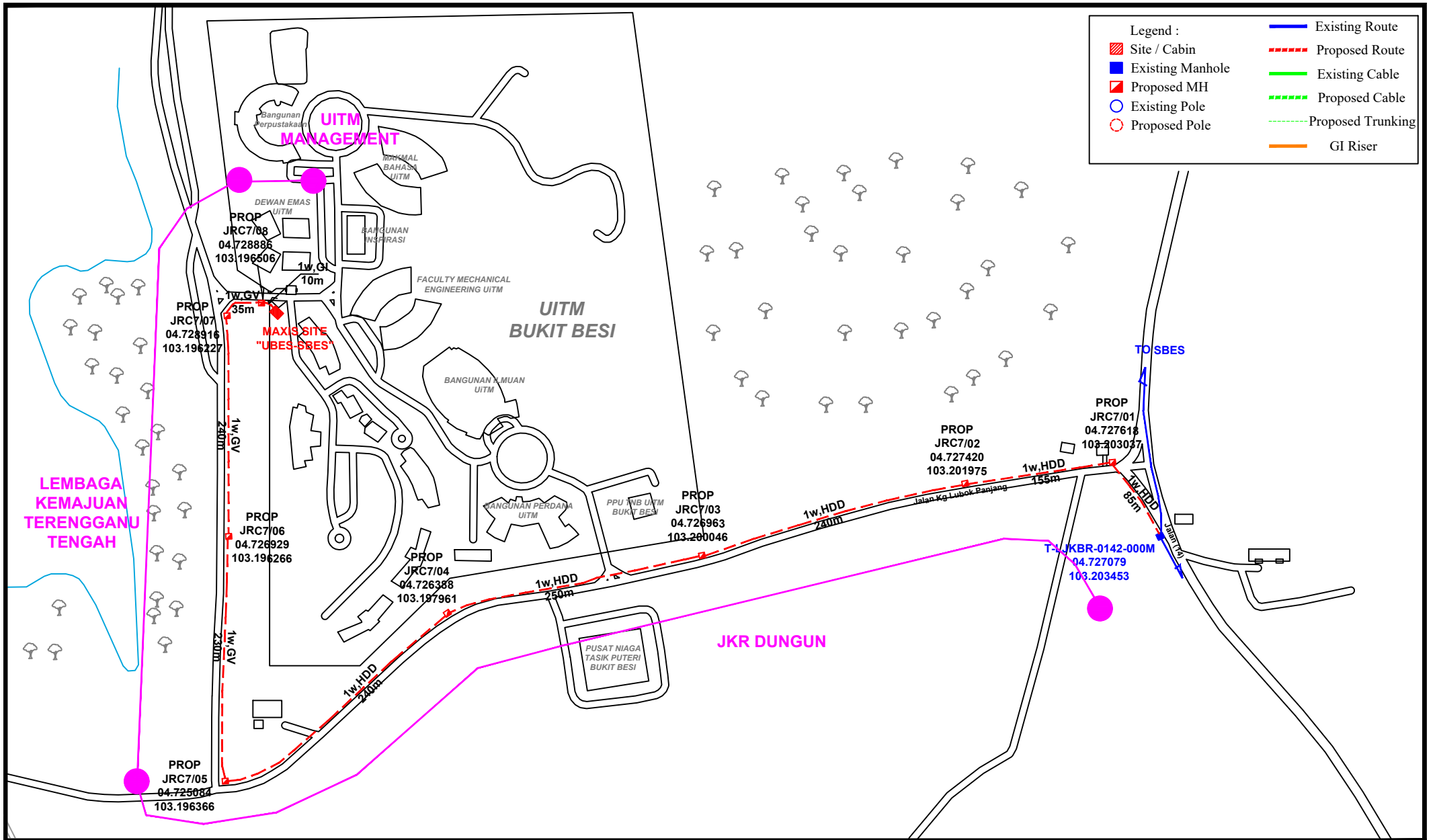
Date: 23/12/2024

File:

Approved by:
 HEIRI AZIM

Sheet no : 2 OF 3

Rev:



Legend :	
	Site / Cabin
	Existing Manhole
	Proposed MH
	Existing Pole
	Proposed Pole
	Existing Route
	Proposed Route
	Existing Cable
	Proposed Cable
	Proposed Trunking
	GI Riser

LEMBAGA
KEMAJUAN
TERENGGANU
TENGAH

MAXIS BROADBAND SDN BHD



Level 5-9, 11, 14-25 & 29-30
Menara Maxis
Kuala Lumpur City Centre
Off Jalan Ampang 50088
50088 Kuala Lumpur

Title:

AUTHORITY BOUNDARY PLAN FOR
MAXIS SITE "UBES-SBES"
AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA
KAMPUS BUKIT BESI, 23200, TERENGGANU.

Designed by:

DIRECT FIELD RESOURCES SDN BHD

Checked by:

HEIRI AZIM

Approved by:

HEIRI AZIM

Prepared by: DIRECT FIELD

Date: 23/12/2024

Sheet no : 1 OF 1

Job No:

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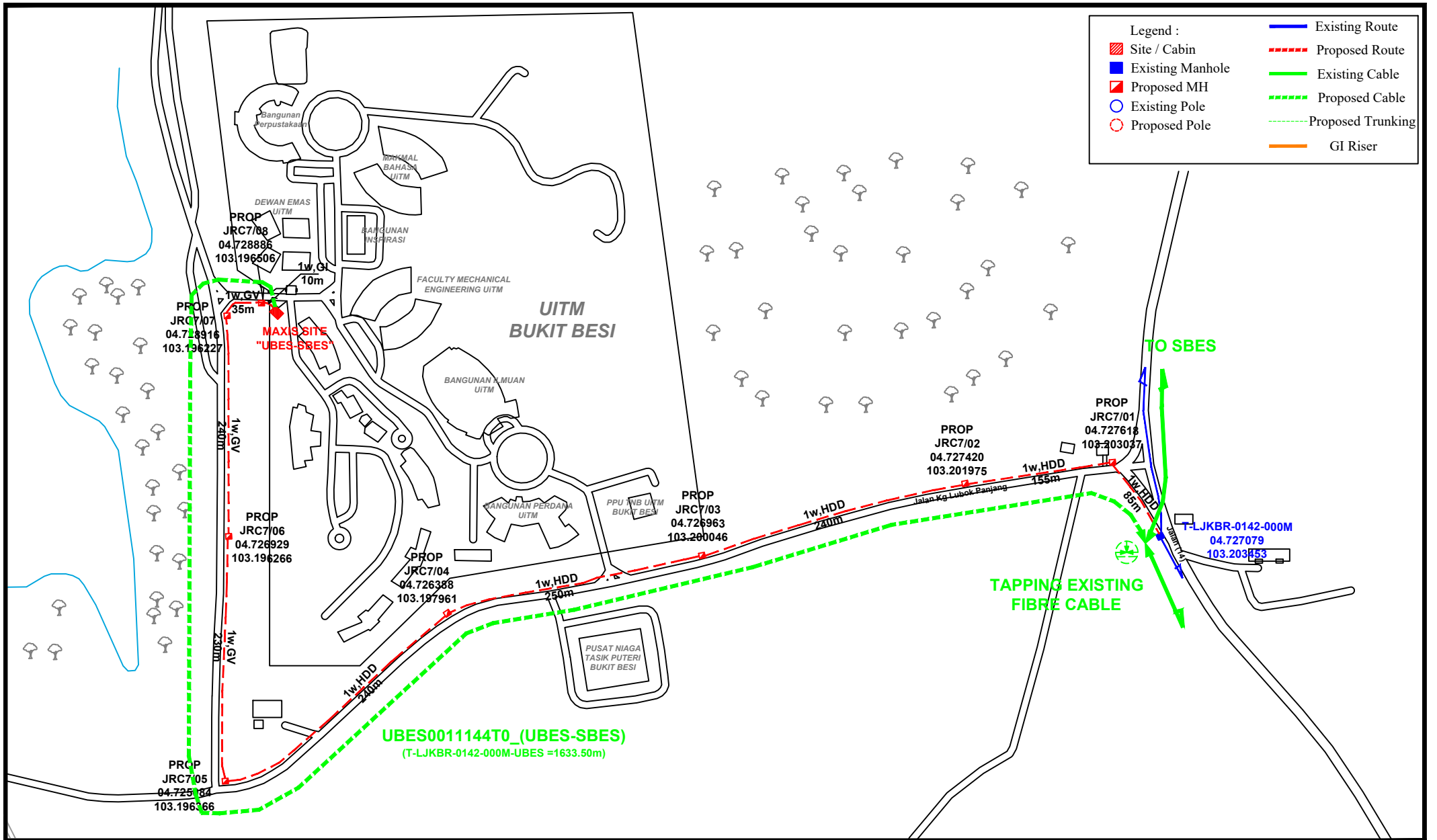
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Section 6

Cable Infrastructure Route Plan & Proposed Cable Plan





MAXIS BROADBAND SDN BHD
 Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
 SLD FIBRE CABLE 144 CORE PLAN
 FOR SITE "UBES-SBES"
 CABLE NAME: UBES0011144T0_(UBES-SBES)

Designed by:
 DIRECT FIELD RESOURCES SDN BHD

Prepared by: DIRECT FIELD

Job No:

Checked by:
 HEIRI AZIM

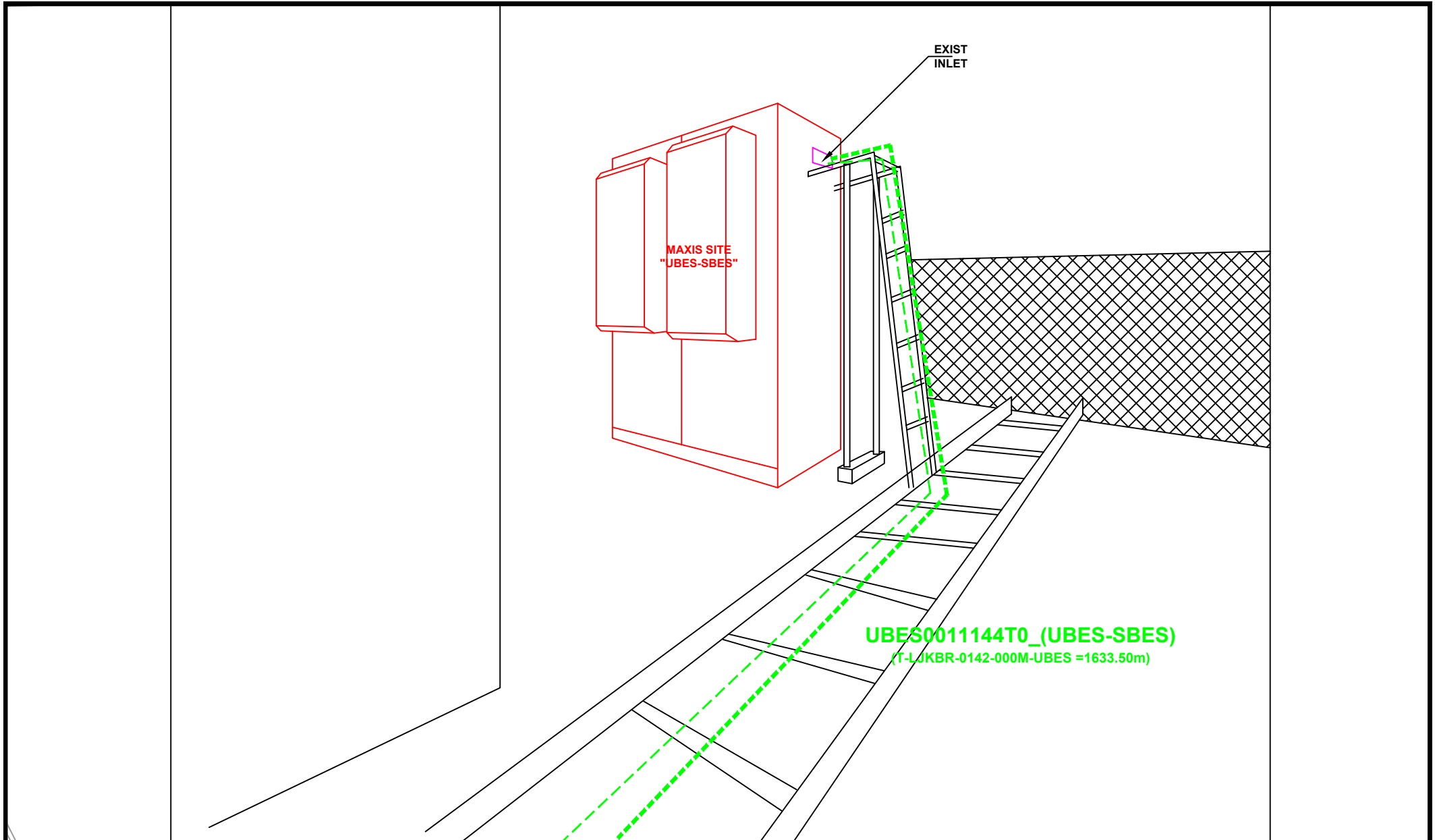
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Approved by:
 HEIRI AZIM

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Rev:



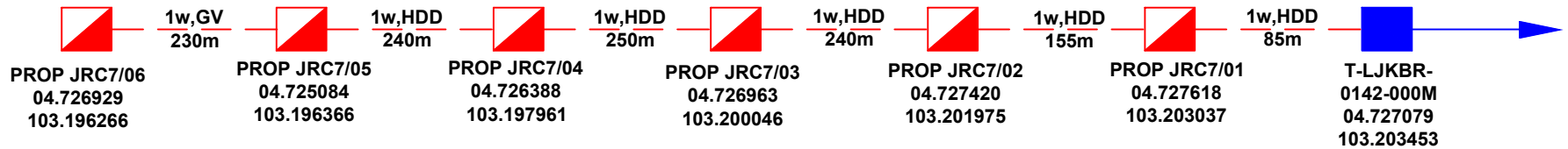
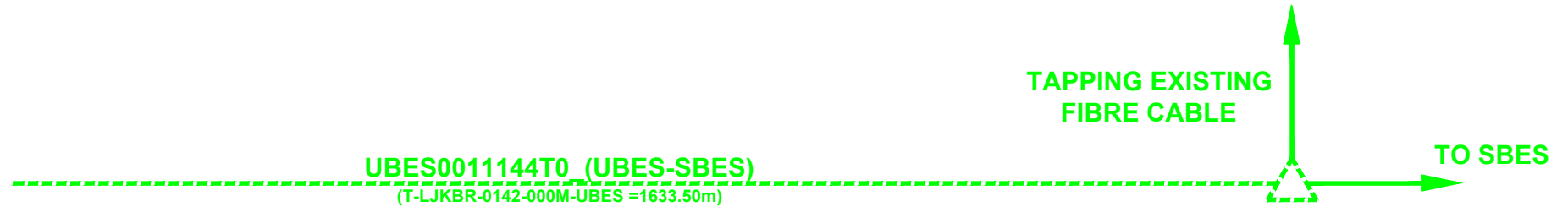
MAXIS BROADBAND SDN BHD
maxis
 Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:
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 FOR SITE "UBES-SBES"
 CABLE NAME: UBES0011144T0_(UBES-SBES)

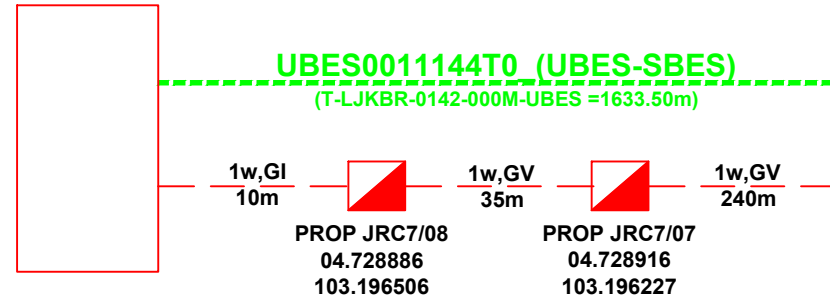
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Prepared by: DIRECT FIELD
Job No:

Checked by:
 HEIRI AZIM
Date: 23/12/2024
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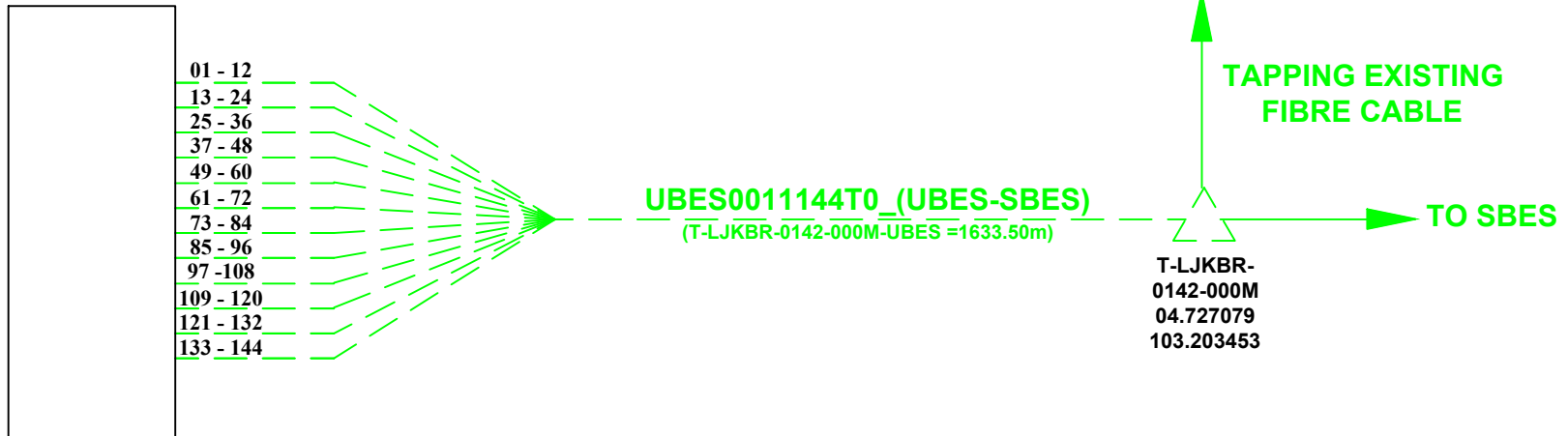
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 HEIRI AZIM
Sheet no : 2 OF 4
Rev:



MAXIS SITE
"UBES-SBES"



**MAXIS SITE
"UBES-SBES"**



MAXIS BROADBAND SDN BHD

Level 5-9, 11, 14-25 & 29-30
Menara Maxis
Kuala Lumpur City Centre
Off Jalan Ampang 50088
50088 Kuala Lumpur

Title:

SLD FIBRE CABLE 144 CORE PLAN
FOR SITE "UBES-SBES"
CABLE NAME: UBES0011144T0_(UBES-SBES)

Designed by:

DIRECT FIELD RESOURCES SDN BHD

Prepared by: DIRECT FIELD

Job No:

Checked by:

HEIRI AZIM

Date: 23/12/2024

File:

Approved by:

HEIRI AZIM

Sheet no : 4 OF 4

Rev:

MAXIS BROADBAND SDN BHD.

CABLE CUTTING PLAN

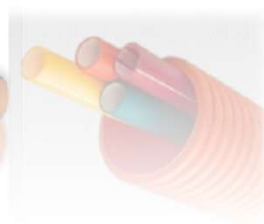
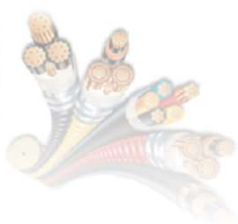
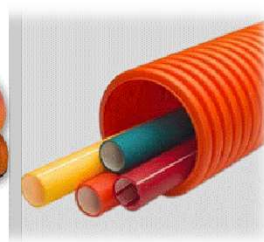
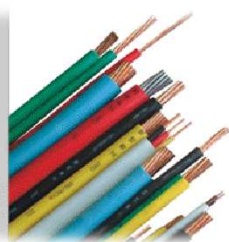
PROJECT DETAIL (OSP)	:	
PROJECT NAME	:	PROPOSED NEW CABLE FIBRE 144 CORES TO SITE "UBES-SBES"
PROJECT TYPE	:	
TITLE	:	
PROJECT CADE	:	
CONTRACTOR	:	DIRECT FIELD RESOURCES SDN BHD
PROJECT MANAGER	:	
LOCATION	:	AT AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA KAMPUS BUKIT BESI, 23200, TERENGGANU.
QUANTITY REQUESTED	:	
REQUIRED DATE	:	

NO	SECTION	CABLE SIZE	ROUTE DISTANCE (METER)	CABLE ALLOWONES (METER)	ACTUAL CABLE LENGTH	SPlicing/ TERMINATION POINT	REMARKS		
1	T-LJKBR-0142-000M		PROP JRC7/01	144CORE	85	8.50	93.50	TAPING	T-LJKBR-0142-000M
2	PROP JRC7/01		PROP JRC7/02	144CORE	155	15.50	170.50		
3	PROP JRC7/02		PROP JRC7/03	144CORE	240	24.00	264.00		
4	PROP JRC7/03		PROP JRC7/04	144CORE	250	25.00	275.00		
5	PROP JRC7/04		PROP JRC7/05	144CORE	240	24.00	264.00		
6	PROP JRC7/05		PROP JRC7/06	144CORE	230	23.00	253.00		
7	PROP JRC7/06		PROP JRC7/07	144CORE	240	24.00	264.00		
8	PROP JRC7/07		PROP JRC7/08	144CORE	35	3.50	38.50		
9	PROP JRC7/08		MAXIS SITE"UBES"	144CORE	10	1.00	11.00	TERMINATION	MAXIS SITE"UBES"
					1485		1,633.50		



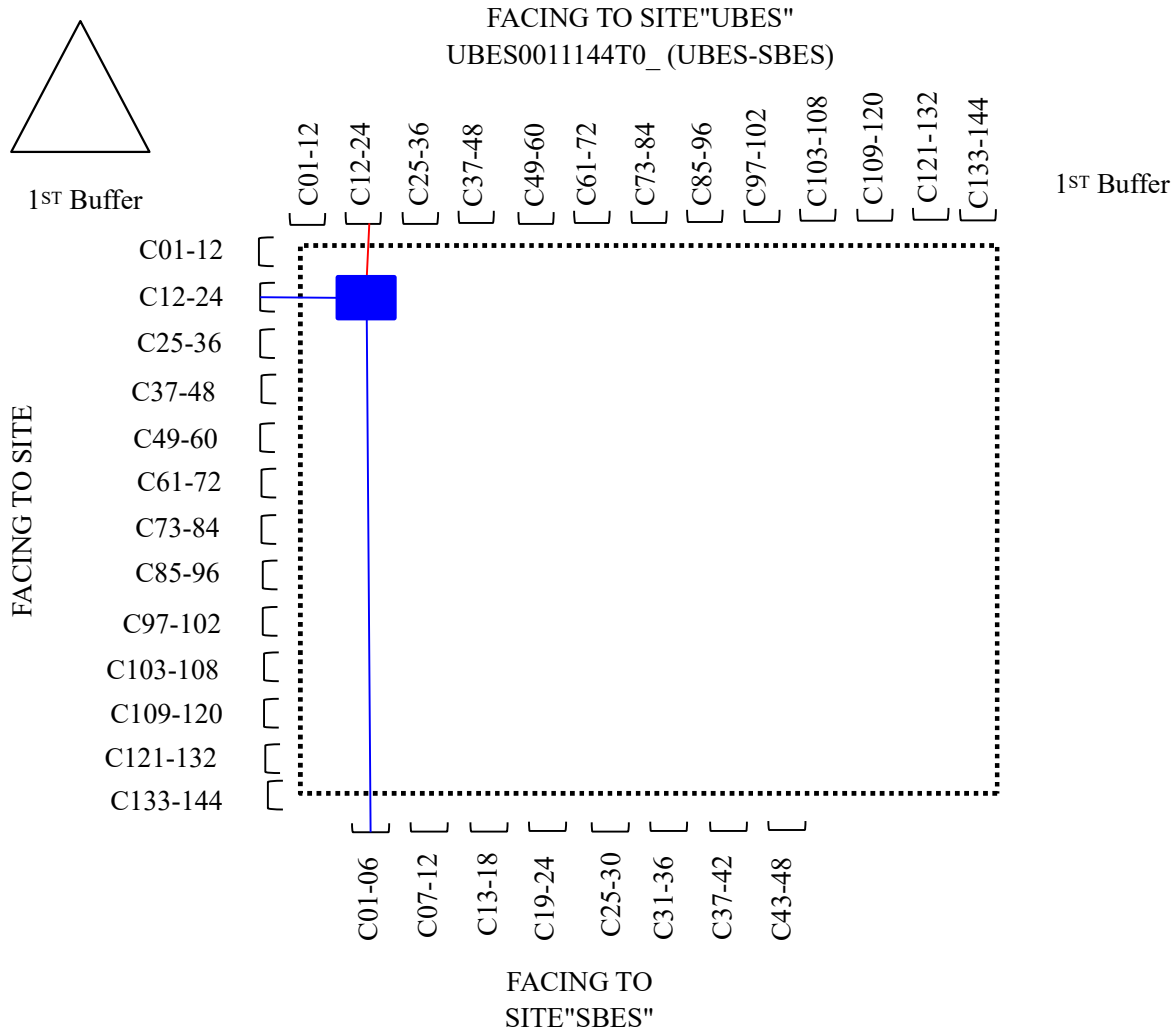
Section 7

Core Assignment





*Legend: *Blue* - existing (black line change to blue), *Red* - Proposed



ACTUAL SPLICE CONFIGURATION NEED TO CONFIRM DURING IMPLEMENTATION AND TEAM NEED TO CONFIRM WITH CPC GROUP EN DAHALAN DIN

LEGEND



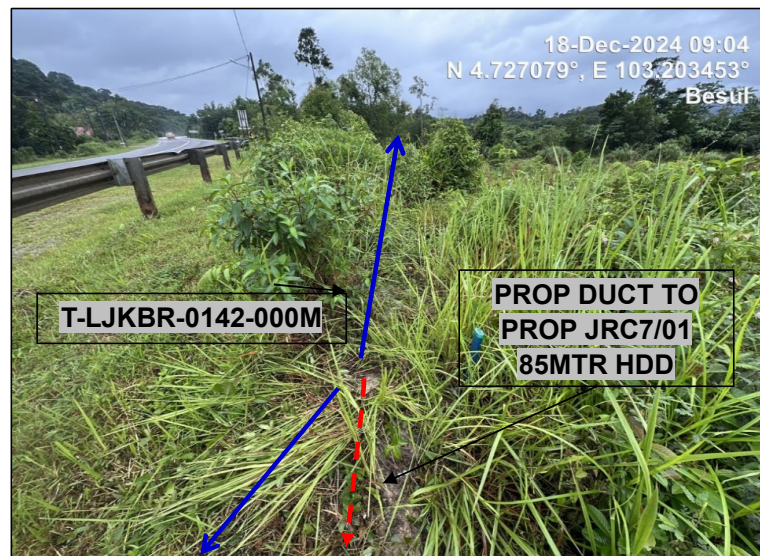


Section 8: Outside Plant Site Snapshot

Photo 1

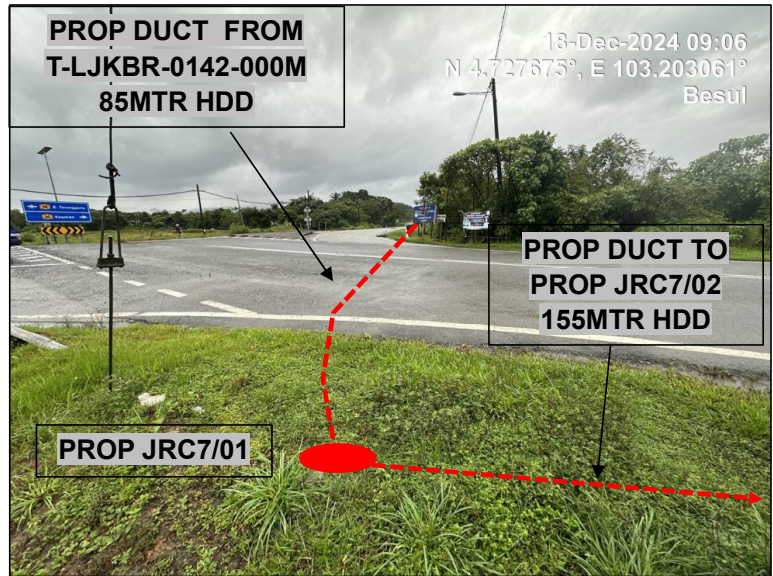


LOCATION AT JALAN (14)

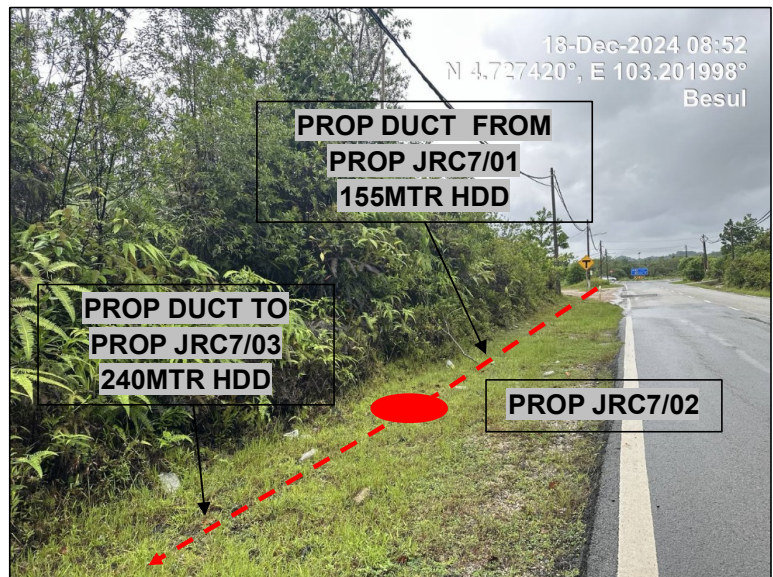


LOCATION AT JALAN (14)

Photo 2

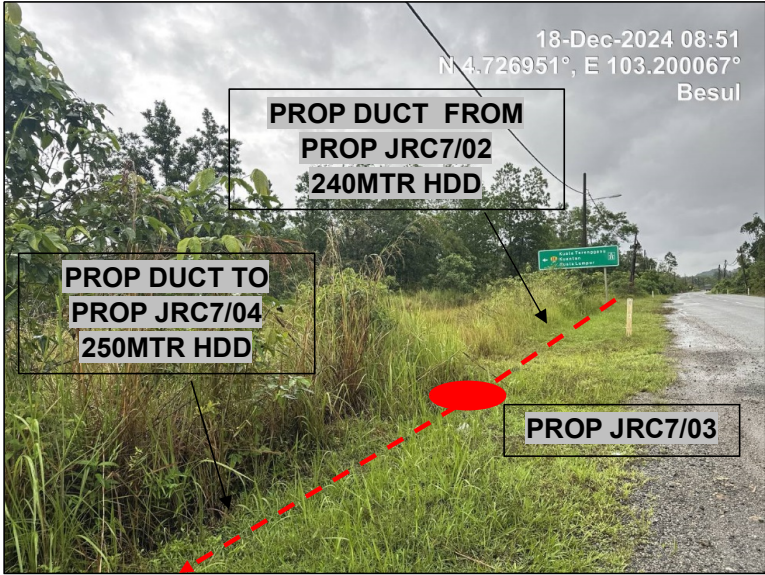


LOCATION AT JALAN KG LUBUK PANJANG



LOCATION AT JALAN KG LUBUK PANJANG

Photo 3

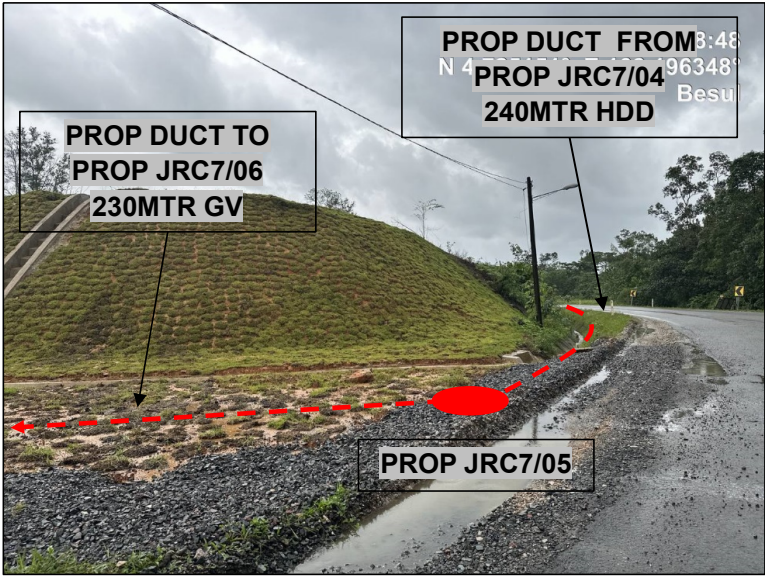


LOCATION AT JALAN KG LUBUK PANJANG

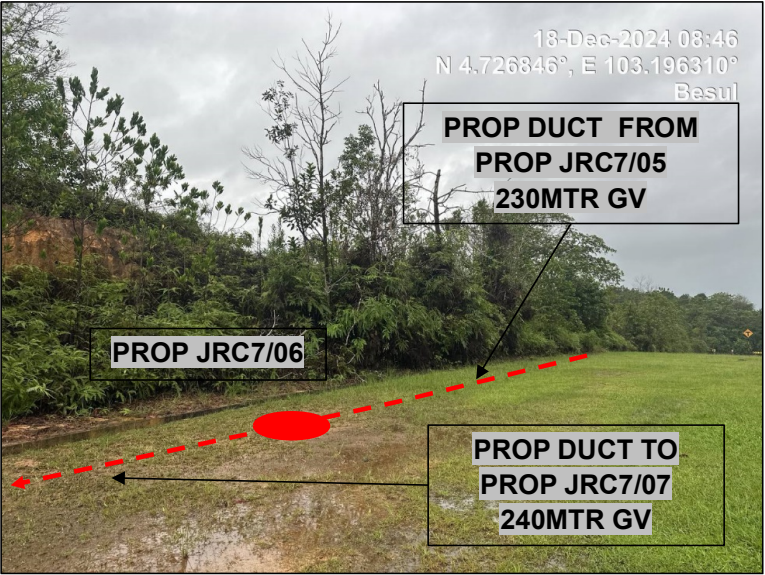


LOCATION AT JALAN KG LUBUK PANJANG

Photo 4

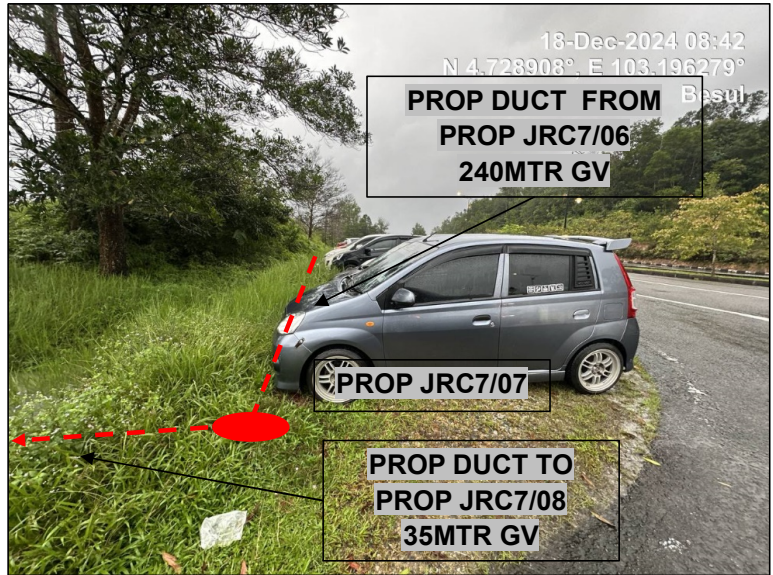


LOCATION AT JALAN

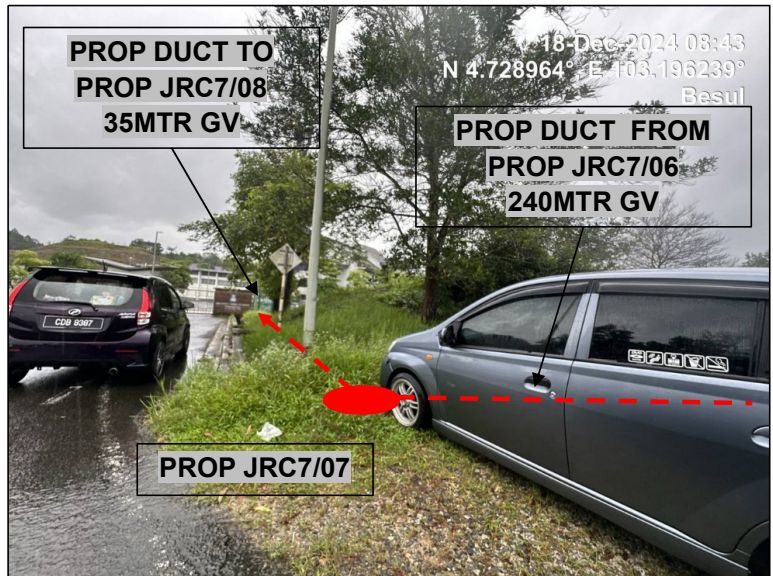


LOCATION AT JALAN

Photo 5



LOCATION AT JALAN



LOCATION AT JALAN

Photo 8



LOCATION AT JALAN



LOCATION AT MAXIS SITE "UBES"

Photo 7



LOCATION AT MAXIS SITE "UBES"

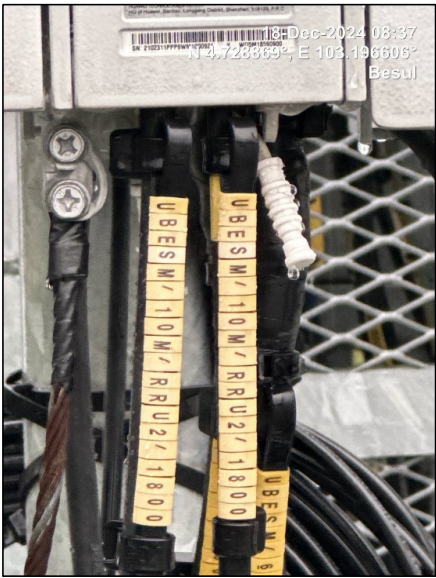


LOCATION AT MAXIS SITE "UBES"

Photo 8



LOCATION AT MAXIS SITE"UBES"



LOCATION AT MAXIS SITE"UBES"



Section 9: Cabin Snapshot & Floor Plan
Schematic Plan

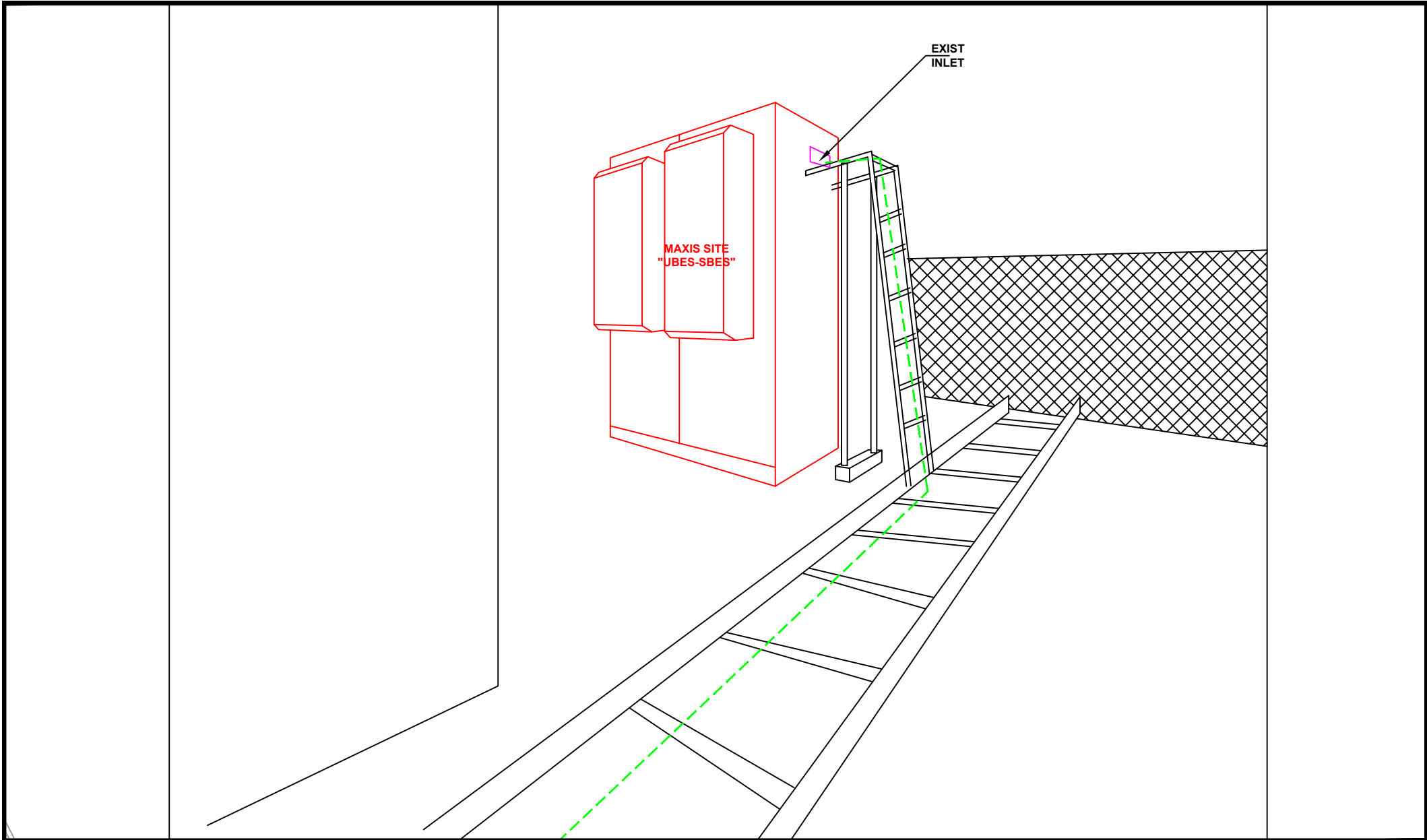
Photo 1



LOCATION AT MAXIS SITE "UBES"



LOCATION AT MAXIS SITE "UBES"



MAXIS BROADBAND SDN BHD

Level 5-9, 11, 14-25 & 29-30
 Menara Maxis
 Kuala Lumpur City Centre
 Off Jalan Ampang 50088
 50088 Kuala Lumpur

Title:

SCHEMATIC PLAN FOR MAXIS SITE "UBES-SBES"
 AT PART OF LAND, UNIVERSITI TEKNOLOGI MARA
 KAMPUS BUKIT BESI, 23200, TERENGGANU.

Designed by:

DIRECT FIELD RESOURCES SDN BHD

Prepared by: DIRECT FIELD

Job No:

Checked by:

HEIRI AZIM

Date: 23/12/2024

File:

Approved by:

HEIRI AZIM

Sheet no : 3 OF 3

Rev:

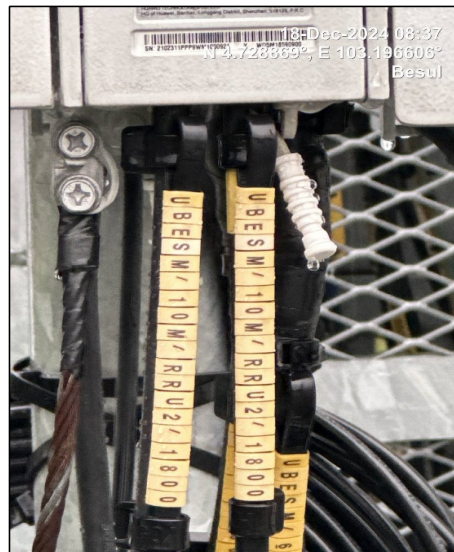


Section 10: Internal Trenching Permit/Snapshot

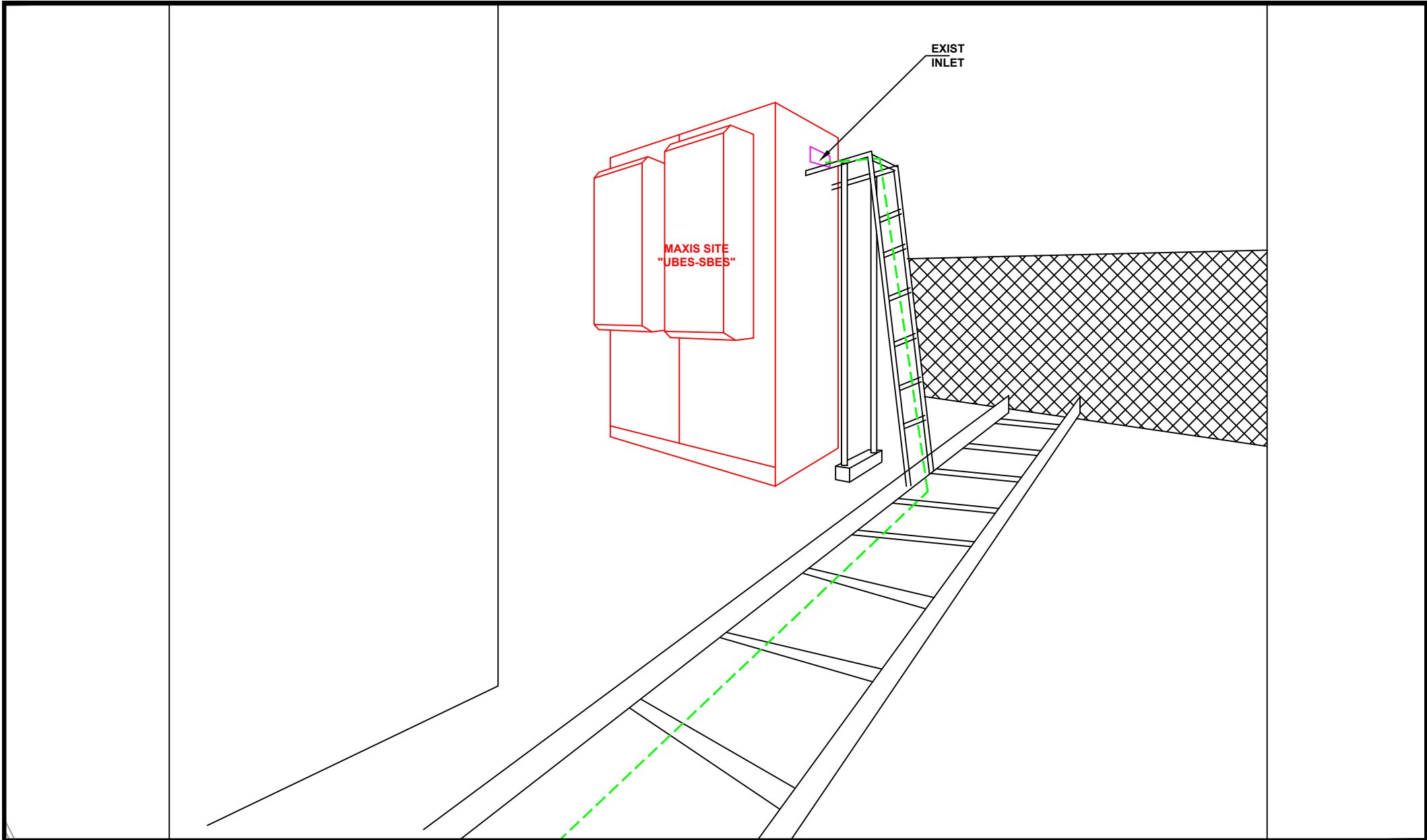
Photo 1



LOCATION AT MAXIS SITE "UBES"



LOCATION AT MAXIS SITE "UBES"



MAXIS BROADBAND SDN BHD

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 Kuala Lumpur City Centre
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Sheet no : 3 OF 3

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