
	Contractor	Direct-Field Resources Sdn. Bhd	
	SOW Ref	B12 - OSP Construction & Commissioning	
	LRD	(PAYU -RAKI)	
	Subject	Fiber Technical Proposal	



Region	Eastern		
KV/OKV	OKV		
Point A	PAYU -EXT MAXIS MH34	Point B	RAKI- EXT MAXIS MH35
Address	RELOCATION FOR CROSSING JPS CULVERT (PAYU - RAKI), Kuala Terengganu		
Point A Lat Long	PAYU - 5.393889,103.081944		
Point B Lat Long	RAKI - 5.391444,103.080833		
Structure Owner	MAXIS		

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## Section 1: Proposal Sign-off Sheet

This proposal contains the civil design proposal for [MAXIS SITE RELOCATIC](#)  
[3685 Jalan Gong Badak, 21300 Kuala Terengganu](#)

All the information presented complied with Maxis Outside Plan technical sp

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

The proposed construction methodologies, material and Bill of Quantity are v

### Direct-Field Resources Sdn. Bhd

Name: Sulaiman

Designation: Project Manager

Signature: \_\_\_\_\_

Check & Approved by: \_\_\_\_\_

Signature: \_\_\_\_\_

Submission Date: \_\_\_\_\_

### Maxis OSP Detail Design

Name: ZULKEFLI BIN ZABRI

Designation: MANAGER

Signature: \_\_\_\_\_

Approval Date: \_\_\_\_\_



ON JPS KUALA TERENGGANU

ecification & guidelines:  
(NE/005)

: Guideline)

erified to be correct.



## Section 2: Outside Plant Civil Infra Design Summary

Overall proposed OSP Civil Infrastructure Design Distance	300	meter
a. Horizontal directional drilling	300	meter
b. Carriage way open cut trenching	N/A	meter
c. Grass verge open cut trenching	N/A	meter
d. Micro Trenching (mt)	N/A	meter
e. Maxis Pole	N/A	meter
f. Cable trunking	N/A	meter
g. GI Pipes Crossing/Riser	N/A	meter
h. Cable Ladder/ Tray	N/A	meter
i. Duct GI	N/A	meter

ITP trunking/riser length	N/A	meter
ITP cable length from Maxis fiber tapping point to new termination point at building/cabin	N/A	meter
No. of proposed manhole	N/A	pc
No. of proposed JB30	N/A	pc
Area of miling work required	N/A	meter

Local council & authority approval requirement	300	meter
a. JKR KUALA TERENGGANU	300	meter
b. JPS KUALA TERENGGANU	300	meter
c.		meter

Estimated Cost of the Scheme/Project	#REF!	RM
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Type of building:	
Address:	RELOCATION FOR CROSSING JPS CULVERT (PAYU -RAKI)
Contact person:	
Contact no.:	



### Existing Infrastructure Information

Preceding duct/sub-duct space	TBD during implementation
Preceding duct/sub-duct condition	TBD during implementation
Existing cable/fiber condition	TBD during implementation
Existing sites power & space	N/A

### Tenaga Pole Option

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

### Other Highlights/Remarks

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### SLA

Date Survey Triggered

Survey Done (Days)	TP Submission (Days)
<b>3</b>	<b>14</b>

### Implementation

Method	Distance (m)	CW (Days)
Underground	50	61
MH	50	FALSE
<b>Total</b>	<b>100</b>	<b>61</b>

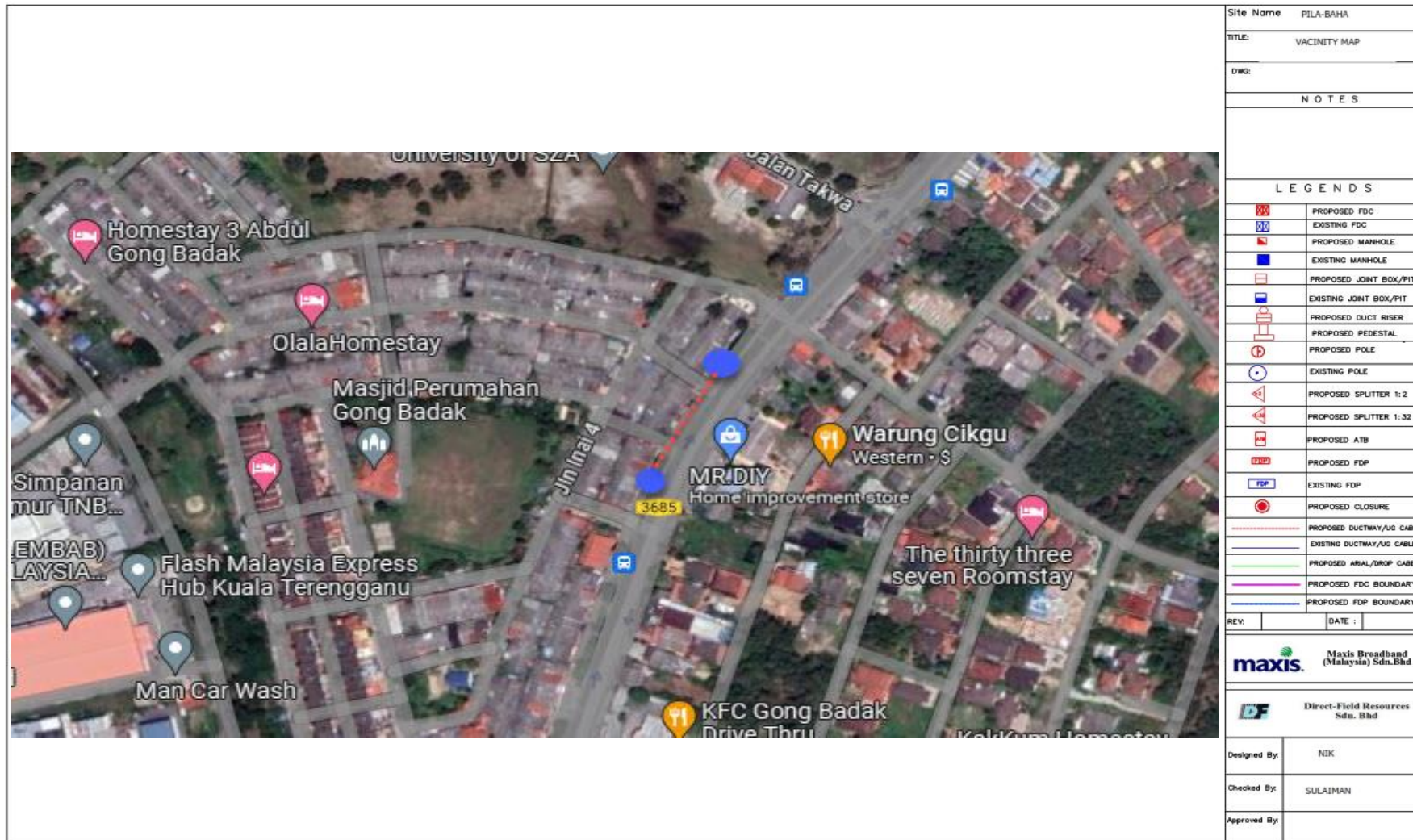
Date TP Submission **17/Jan/00**  
Date CW Completed **21/Mar/00**



## Section 3

### Vicidnity Map





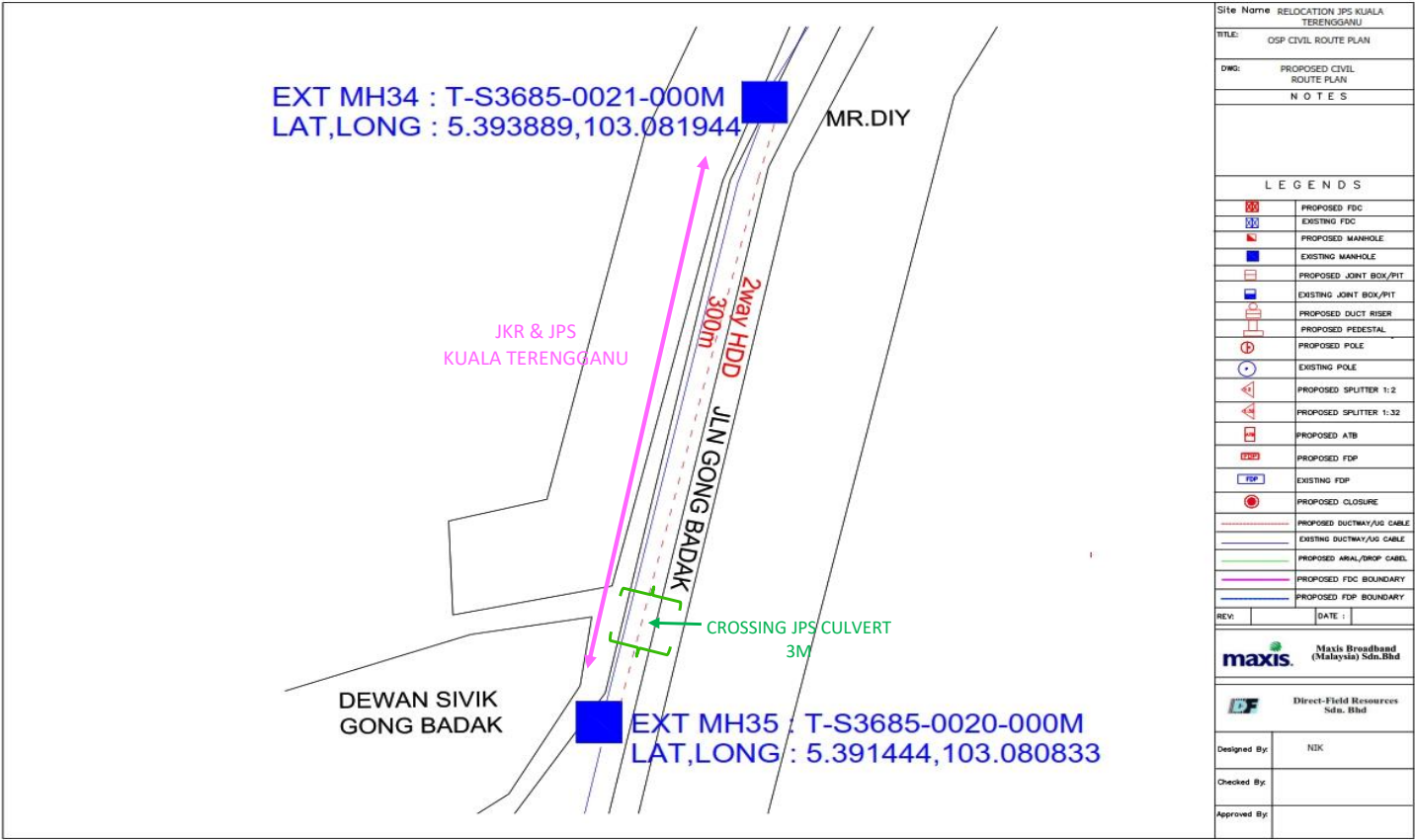
Site Name	PILA-BAHA
TITLE:	VACINITY MAP
DWG:	
NOTES	
LEGENDS	
	PROPOSED FDC
	EXISTING FDC
	PROPOSED MANHOLE
	EXISTING MANHOLE
	PROPOSED JOINT BOX/PIT
	EXISTING JOINT BOX/PIT
	PROPOSED DUCT RISER
	PROPOSED PEDESTAL
	PROPOSED POLE
	EXISTING POLE
	PROPOSED SPLITTER 1:2
	PROPOSED SPLITTER 1:32
	PROPOSED ATB
	PROPOSED FDP
	EXISTING FDP
	PROPOSED CLOSURE
	PROPOSED DUCTWAY/UG CABLE
	EXISTING DUCTWAY/UG CABLE
	PROPOSED ARIAL/DROP CABLE
	PROPOSED FDC BOUNDARY
	PROPOSED FDP BOUNDARY
REV:	DATE :
Maxis Broadband (Malaysia) Sdn.Bhd Direct-Field Resources Sdn. Bhd	
Designed By:	NIK
Checked By:	SULAIMAN
Approved By:	



## Section 4

# Civil Infrastructure Route Plan & Permit Boundary





Site Name	RELOCATION JPS KUALA TERENGGANU
TITLE:	OSP CIVIL ROUTE PLAN
DWG:	PROPOSED CIVIL ROUTE PLAN
NOTES	
LEGENDS	
	PROPOSED FDC
	EXISTING FDC
	PROPOSED MANHOLE
	EXISTING MANHOLE
	PROPOSED JOINT BOX/PIT
	EXISTING JOINT BOX/PIT
	PROPOSED DUCT RISER
	PROPOSED PEDESTAL
	PROPOSED POLE
	EXISTING POLE
	PROPOSED SPLITTER 1:2
	PROPOSED SPLITTER 1:32
	PROPOSED ATB
	PROPOSED FDP
	EXISTING FDP
	PROPOSED CLOSURE
	PROPOSED DUCTWAY/UG CABLE
	EXISTING DUCTWAY/UG CABLE
	PROPOSED ARAI/DROP CABLE
	PROPOSED FDC BOUNDARY
	PROPOSED FDP BOUNDARY
REV:	DATE :
Maxis Broadband (Malaysia) Sdn. Bhd	
Direct-Field Resources Sdn. Bhd	
Designed By:	NDK
Checked By:	
Approved By:	



**Section 5: Proposed Manhole GPS Coordinate**

<b>Structure A</b>	<b>Structure B</b>	<b>Lat. A (Dec)</b>	<b>Long. A (Dec)</b>
EXT MAXIS MH34	EXT MAXIS MH35	5.393889	103.081944
EXT MAXIS MH35		5.391444	103.080833



**Section 6**

**Cable Infrastructure  
Route Plan  
&  
Proposed Cable Plan**



EXT MH34 : T-S3685-0021-000M  
 LAT, LONG : 5.393889, 103.081944

MR. DIY

DEWAN SIVIK  
 GONG BADAQ

EXT MH35 : T-S3685-0020-000M  
 LAT, LONG : 5.391444, 103.080833

CROSSING CULVELT  
 3M

2way HDD  
 300m  
 JLN GONG BADAQ

Site Name	RELOCATION JPS KUALA TERENGGANU
TITLE:	OSP CIVIL ROUTE PLAN
DWG:	PROPOSED CIVIL ROUTE PLAN
N O T E S	
L E G E N D S	
	PROPOSED FDC
	EXISTING FDC
	PROPOSED MANHOLE
	EXISTING MANHOLE
	PROPOSED JOINT BOX/PIT
	EXISTING JOINT BOX/PIT
	PROPOSED DUCT RISER
	PROPOSED PEDESTAL
	PROPOSED POLE
	EXISTING POLE
	PROPOSED SPLITTER 1:2
	PROPOSED SPLITTER 1:32
	PROPOSED ATB
	PROPOSED FDP
	EXISTING FDP
	PROPOSED CLOSURE
	PROPOSED DUCTWAY/UG CABLE
	EXISTING DUCTWAY/UG CABLE
	PROPOSED AERAL/DROP CABEL
	PROPOSED FDC BOUNDARY
	PROPOSED FDP BOUNDARY
REV:	DATE :
Maxis Broadband (Malaysia) Sdn. Bhd	
Direct-Field Resources Sdn. Bhd	
Designed By:	NIK
Checked By:	
Approved By:	



## Section 8: Outside Plant Site Snapshot



Maxis Confidential

<b>Project Code</b>	:		<b>BOQ date</b>		:19.12.23		
<b>Project Name</b>	RELOCATION FOR CROSSING JPS CULVERT (PAYU - RAKI)		<b>Start Date</b>		:		
<b>Project Type</b>			<b>Complete Date</b>		:		
<b>NO</b>	<b>MM</b>	<b>JOB DESCRIPTION</b>	<b>SOW</b>	<b>UOM</b>	<b>UNIT RATE</b>	<b>QUANTITY</b>	<b>TOTAL</b>
		<b>OSP</b>					
1	20059771	OPS,WORK,NEW BUILD,MOBILIZATION		EA	5,335.00	1.00	5,335.00
2	20059752	osp, e2e new fiber infra, S & I 1w,UG		m	80.75	300.00	24,225.00
3	20005842	Cable, Fibre, 1C splicing		C	15.36	576.00	8,847.36
4	60010646	closure 144c		Ea	778.05	4.00	3,112.20
5	20039154	hdpe,1,110/150mm,hdd bore hole,s&i		m	48.66	300.00	14,598.00
6	60010735	cable,fiber,optic,144 core ,underground		m	9.18	3,000.00	27,540.00
7	60010732	cable,fiber,optic,48 core ,underground		m	4.00	1,200.00	4,800.00
8	20045118	Design,detailed,infra, <2km,civil		KM	1,626.21	1.00	1,626.21
							90,083.77
DIRECT-FIELD RESOURCES SDN BHD			MAXIS BROADBAND SDN BHD				
Checked By			Reviewed By			Approved By	
Name			Name			Name	
Designation			Designation			Designation	
Date			Date			Date	