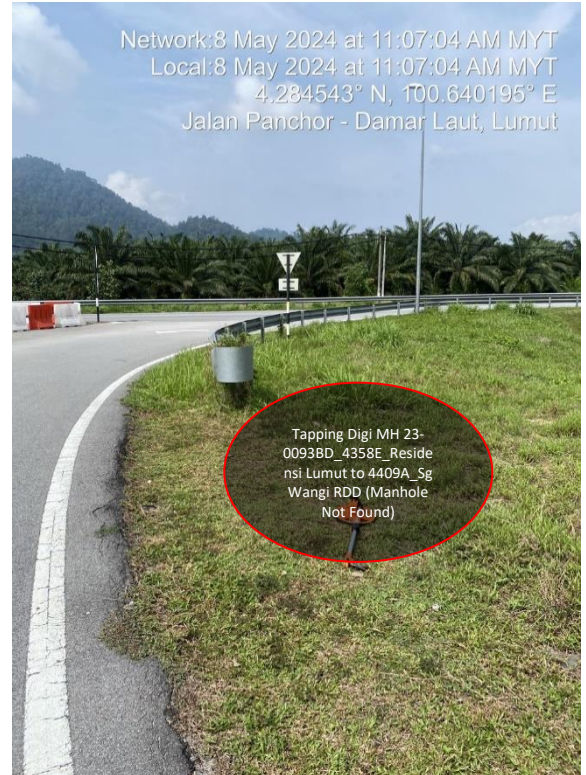
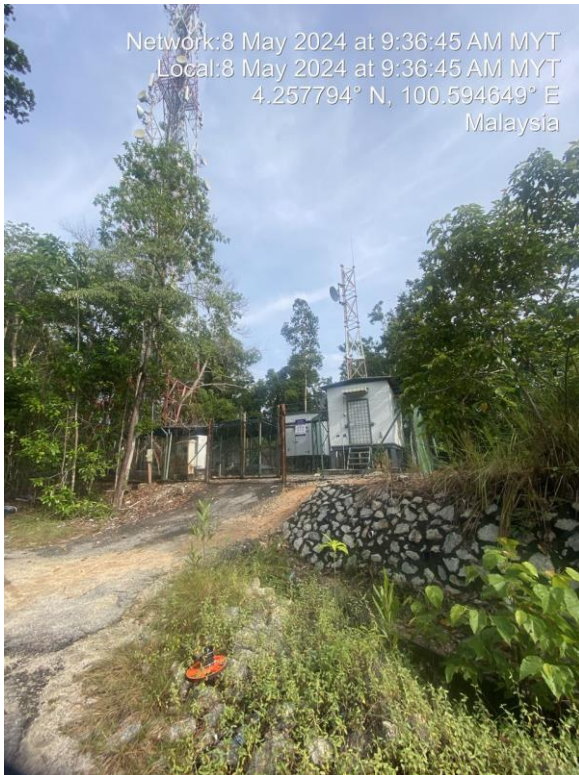


TECHNICAL PROPOSAL OB 2024 (OSP)



Site A
4385A Swiss Garden Damai Laut (AsiaSpace)
LATITUDE: 4.257794°
LONGITUDE: 100.594649°

Site B
A00112 Lumut To Tapping Digi MH 23-0093BD_4358E_Residence Lumut to 4409A_Sg Wangi RDD (Manhole Not Found)
LATITUDE: 4.284543°
LONGITUDE: 100.640195°

CIVIL INFRASTRUCTURE

Project Name: OB 2024
Region: Northern
Site/Link name: 4385A Swiss Garden Damai Laut (AsiaSpace) to A00112 Lumut
Unique Link ID: 24-0048BD
Site Address A: 4385A Swiss Garden Damai Laut (AsiaSpace)
Site Address B: A00112 Lumut
Site Survey: 8 May 2024

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- Section 1 : Proposal Sign-off sheet
- Section 2 : Bill of Quantity (Without Pricing) & Work Package
- Section 3 : OSP Routing Plan
- Section 4 : OSP Snapshot
- Section 5 : 3rd Party Dependency Listing
- Section 6 : Work Schedule

1.0 OSP

Section 1: Proposal Sign-off sheet

This proposal is to provide new civil infrastructure and fibre optic cabling for link below :

Location A : 4385A Swiss Garden Damai Laut (AsiaSpace)

Location B : A00112 Lumut

Contractor

Name : VS Majutech Sdn Bhd

Signature :

Check & Approved date :

Submission Date :

DiGi Authorized Personel

Planning / name :

Signature :

Check & Approved date :

Implementation / name :

Signature :

Check & Approved date :

Permitting / name :

Signature :

Check & Approved date :

PM / name :

Signature :

Check & Approved date :

Section 2: Bill of Quantity

Section 2: Work Package

Overall Proposed Civil Infrastructure Design Distance		12530	Meter
a.	Horizontal Directional Drill (HDD)	8020	Meter
b.	Carriage Way Open Trenching (CW)		Meter
c.	Grass Verge Open Trenching (GV)	30	Meter
d.	Micro Trenching (MT)	4480	Meter
e.	Propose Cable Ladder / Trunking		Meter
f.	Other / GI Riser / Trunking		Meter
g.	Existing Cable ladder (In Cabin)		
h.	Proposed Pole		Meter
No. of proposed Manhole / Joint Box / JC9		50	each
No. of Proposed Pole			
Area of Milling work Required			
Estimated timeline required for job completion		90	days

Existing Infrastructure Information

Preceding Duct / SubDuct Space	
Preceding Duct/SubDuct Condition	
Existing / Tapping manhole	Tapping Digi MH 23-0093BD_4358E_Residensi Lumut to 4409A_Sg Wangi RDD (Manhole Not Found)
Existing Cable / Fiber Condition	

TENAGA Pole Option:

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

3rd parties Dependencies

Item	Parties involve and location
LA/LC	Majlis Bandaraya Manjung / JKR Manjung
LLM / KTM / SBC etc.	
Building Management / Land Lord	No
Private Owners	No

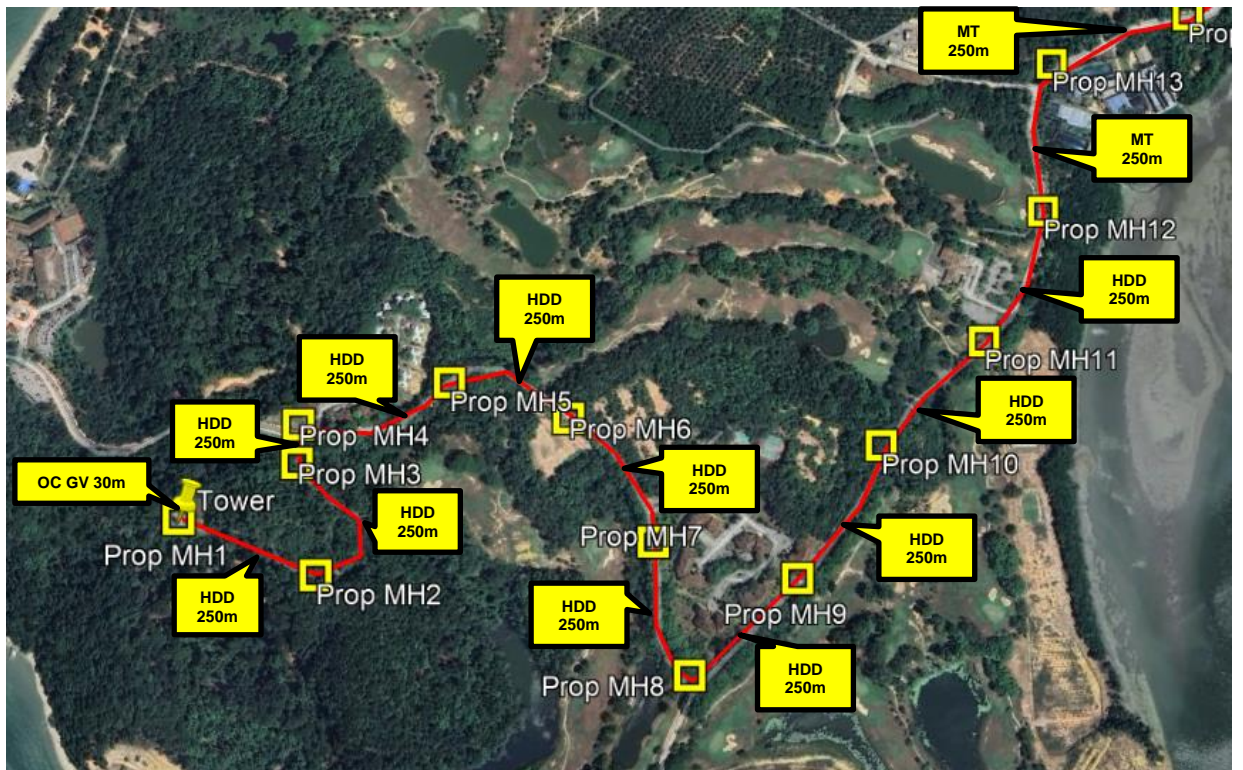
Other Highlights/Remark

Road crossing and ROW change expected depending on Local Authority instruction. Method of Statement and location of MH subject to site condition and as advice/instruction by Implementation Manager during construction since other utilities like water pipes, telecommunication infra and TNB spotted on site.

Section 3 : OSP Routing Plan



PLANNER KMZ

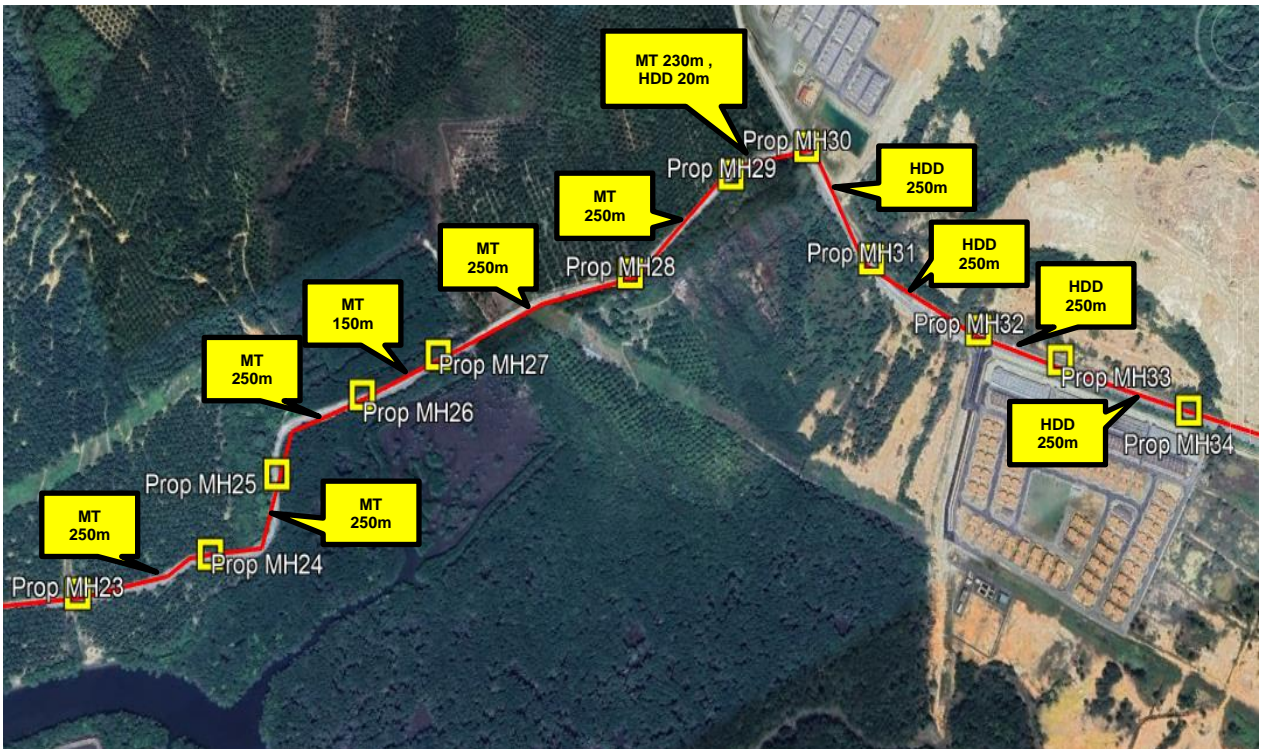


PROPOSED KMZ

Section 3 : OSP Routing Plan

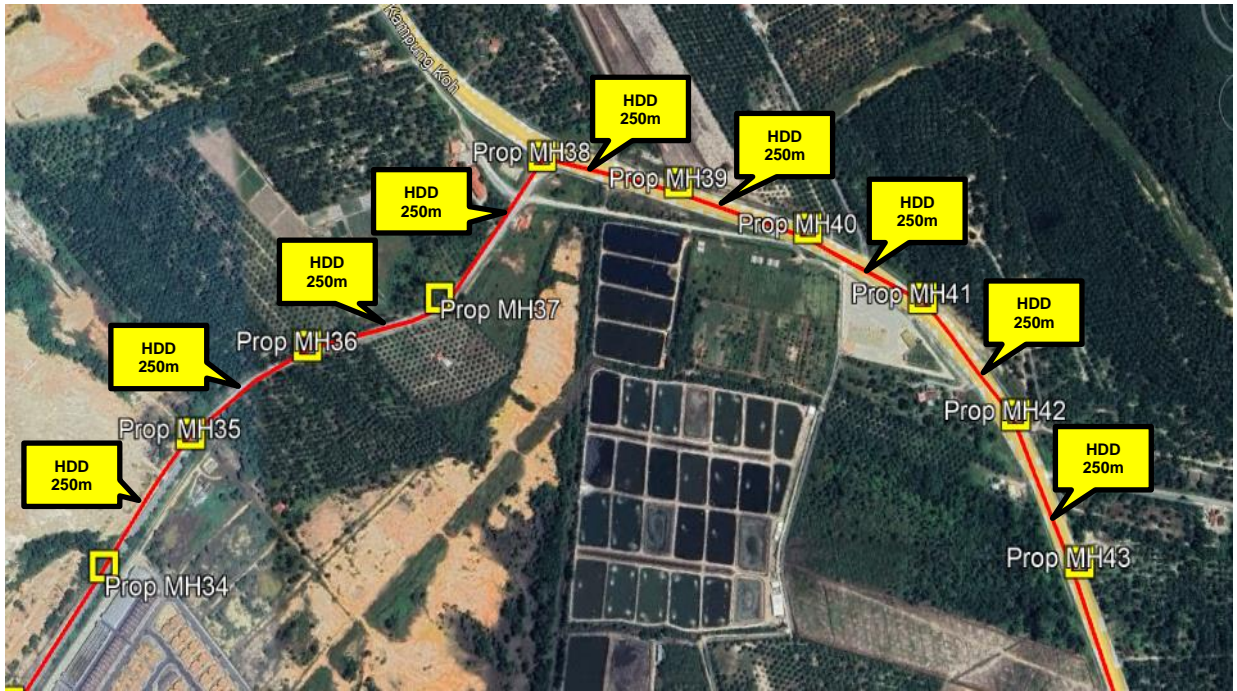


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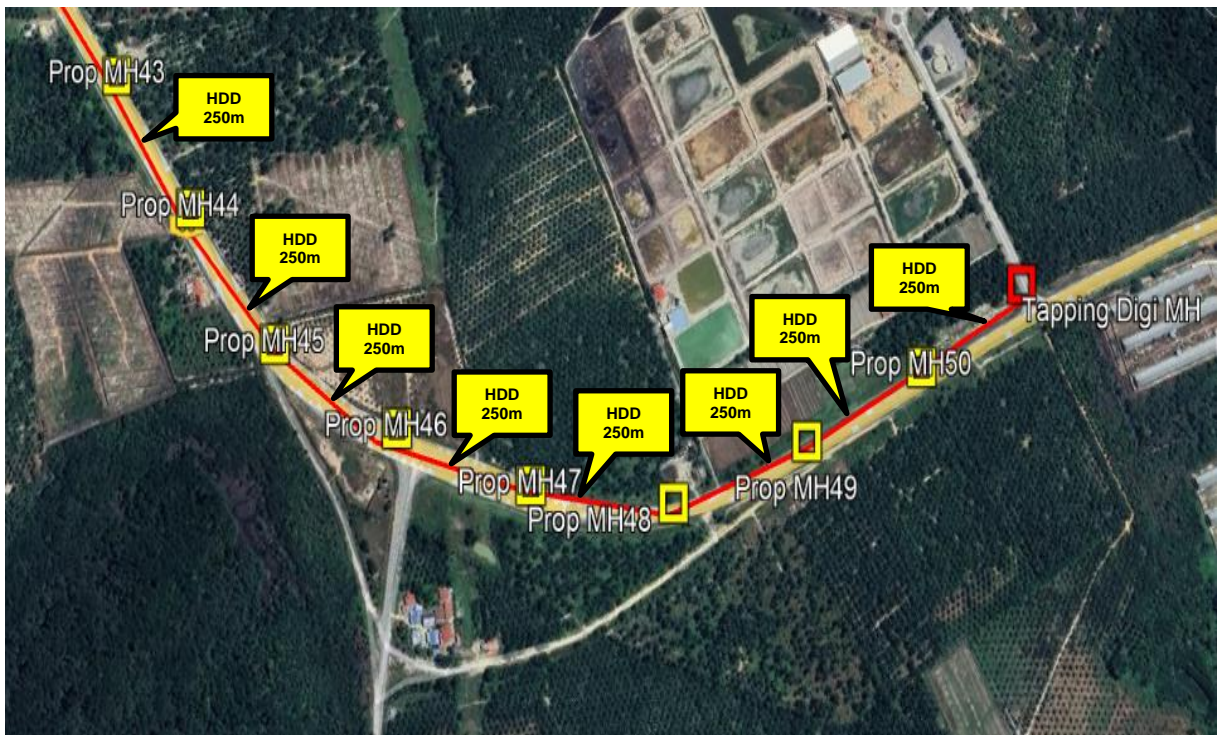


PROPOSED KMZ

Section 3 : OSP Routing Plan



PROPOSED KMZ



PROPOSED KMZ

Section 3 : OSP Routing Plan

PROPOSED MANHOLE COORDINATE		
MANHOLE NUMBER	LATITUDE	LONGTITUDE
Tower	4.257794°	100.594649°
Proposed Manhole 1	4.257794°	100.594649°
Proposed Manhole 2	4.257621°	100.596344°
Proposed Manhole 3	4.258795°	100.595692°
Proposed Manhole 4	4.259232°	100.595546°
Proposed Manhole 5	4.260214°	100.597075°
Proposed Manhole 6	4.260211°	100.598542°
Proposed Manhole 7	4.259093°	100.599920°
Proposed Manhole 8	4.257721°	100.600772°
Proposed Manhole 9	4.259163°	100.601660°
Proposed Manhole 10	4.260955°	100.602165°
Proposed Manhole 11	4.262547°	100.603014°
Proposed Manhole 12	4.264346°	100.603285°
Proposed Manhole 13	4.266162°	100.602885°

Section 3 : OSP Routing Plan

Proposed Manhole 14	4.267255°	100.604341°
Proposed Manhole 15	4.268847°	100.604202°
Proposed Manhole 16	4.269957°	100.605980°
Proposed Manhole 17	4.271324°	100.607335°
Proposed Manhole 18	4.272552°	100.608190°
Proposed Manhole 19	4.272715°	100.610035°
Proposed Manhole 20	4.273982°	100.610830°
Proposed Manhole 21	4.275342°	100.611531°
Proposed Manhole 22	4.276863°	100.612710°
Proposed Manhole 23	4.278543°	100.613232°
Proposed Manhole 24	4.280454°	100.613568°
Proposed Manhole 25	4.281691°	100.613073°
Proposed Manhole 26	4.283163°	100.612672°
Proposed Manhole 27	4.284357°	100.612667°
Proposed Manhole 28	4.287309°	100.612872°
Proposed Manhole 29	4.289157°	100.612350°

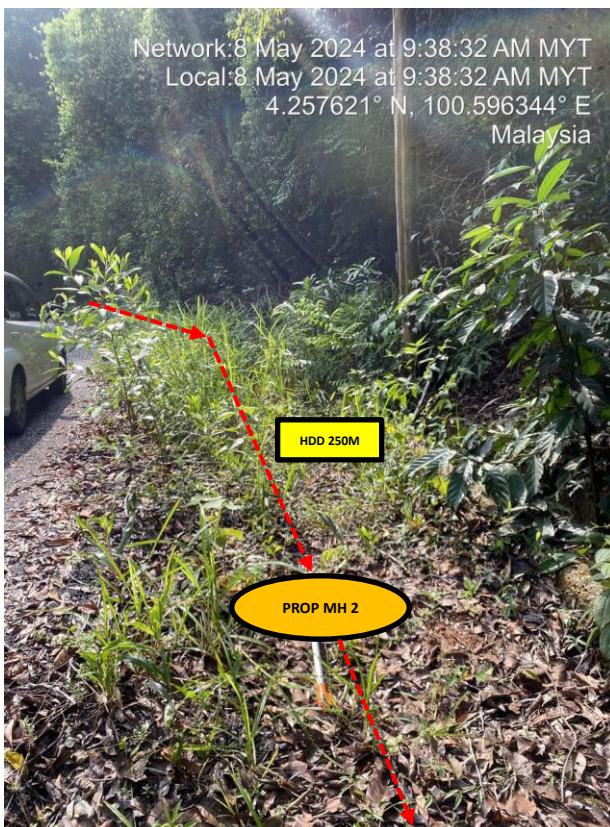
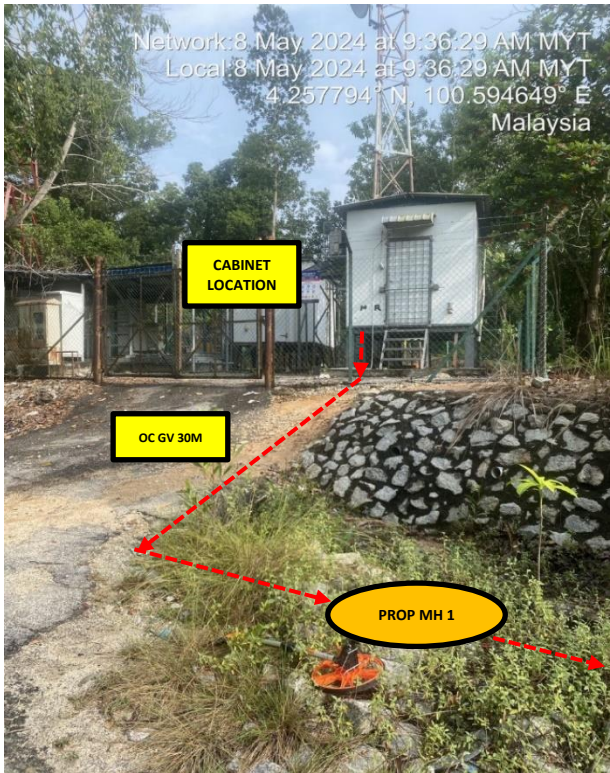
Section 3 : OSP Routing Plan

Proposed Manhole 30	4.290310°	100.612488°
Proposed Manhole 31	4.290602°	100.614142°
Proposed Manhole 32	4.291667°	100.615563°
Proposed Manhole 33	4.292604°	100.616374°
Proposed Manhole 34	4.294031°	100.617681°
Proposed Manhole 35	4.295470°	100.618923°
Proposed Manhole 36	4.296355°	100.620535°
Proposed Manhole 37	4.296727°	100.622341°
Proposed Manhole 38	4.298362°	100.623931°
Proposed Manhole 39	4.297779°	100.625730°
Proposed Manhole 40	4.296960°	100.627378°
Proposed Manhole 41	4.295851°	100.628721°
Proposed Manhole 42	4.294273°	100.629700°
Proposed Manhole 43	4.292423°	100.630178°
Proposed Manhole 44	4.290627°	100.630505°
Proposed Manhole 45	4.288811°	100.630927°

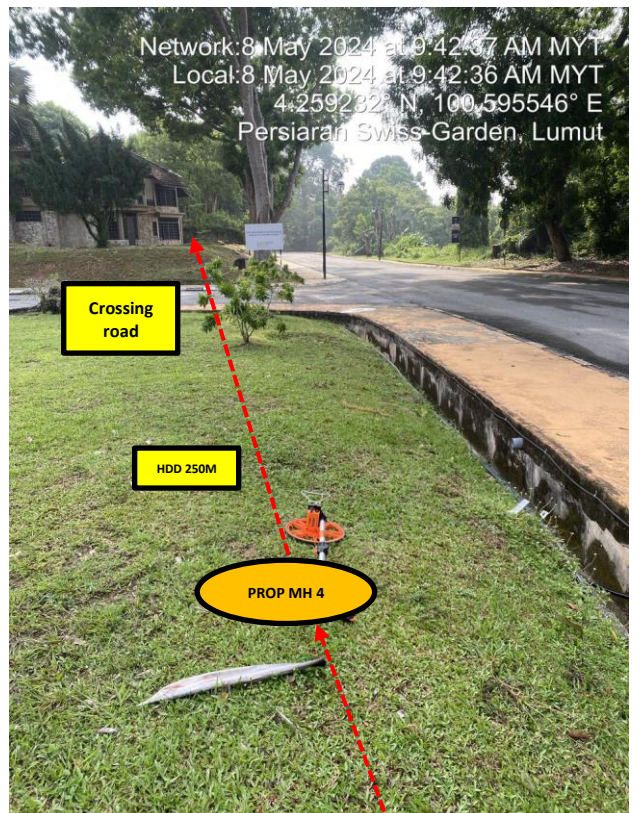
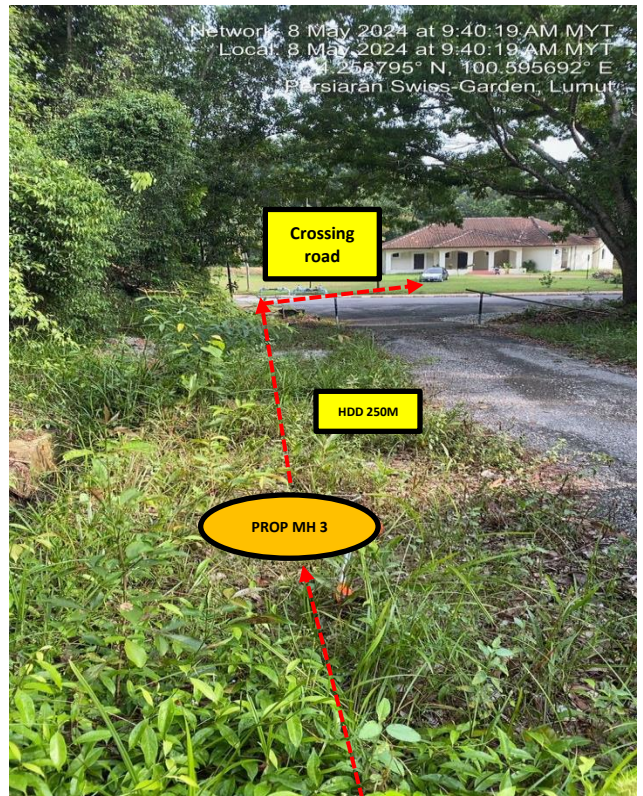
Section 3 : OSP Routing Plan

Proposed Manhole 46	4.287252°	100.632016°
Proposed Manhole 47	4.285907°	100.633334°
Proposed Manhole 48	4.284865°	100.634923°
Proposed Manhole 49	4.284555°	100.636793°
Proposed Manhole 50	4.284466°	100.638545°
Tapping Digi MH 23-0093BD_4358E_Residensi Lumut to 4409A_Sg Wangi RDD	4.284543°	100.640195°

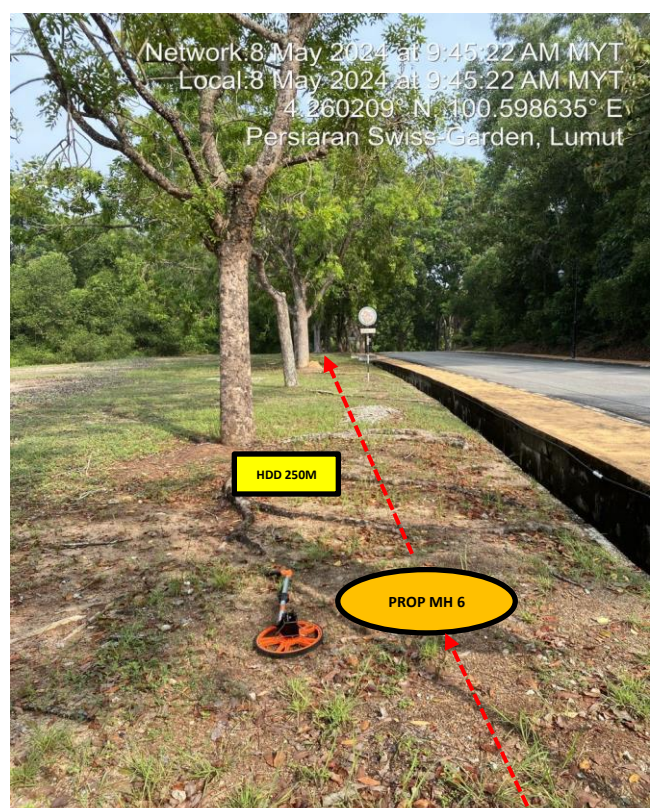
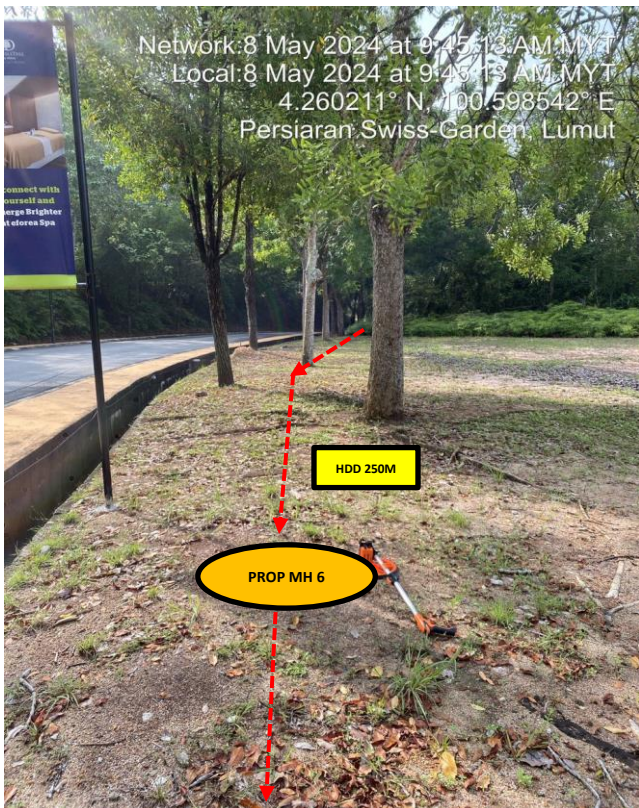
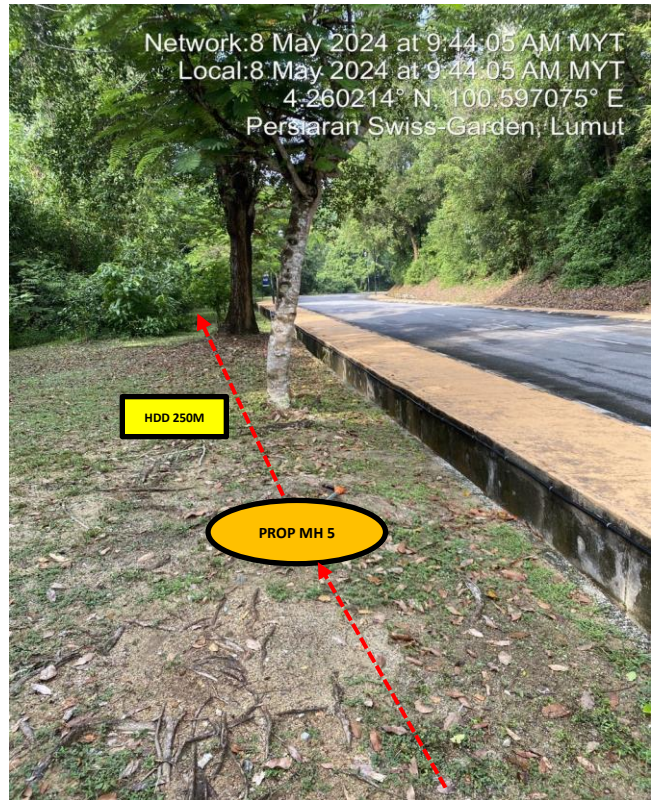
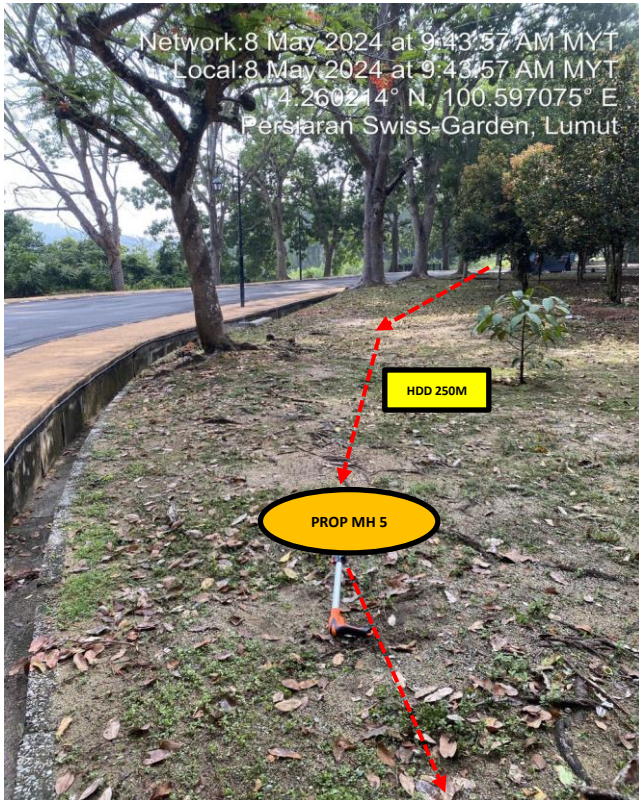
Section 4: OSP Snapshot for new route



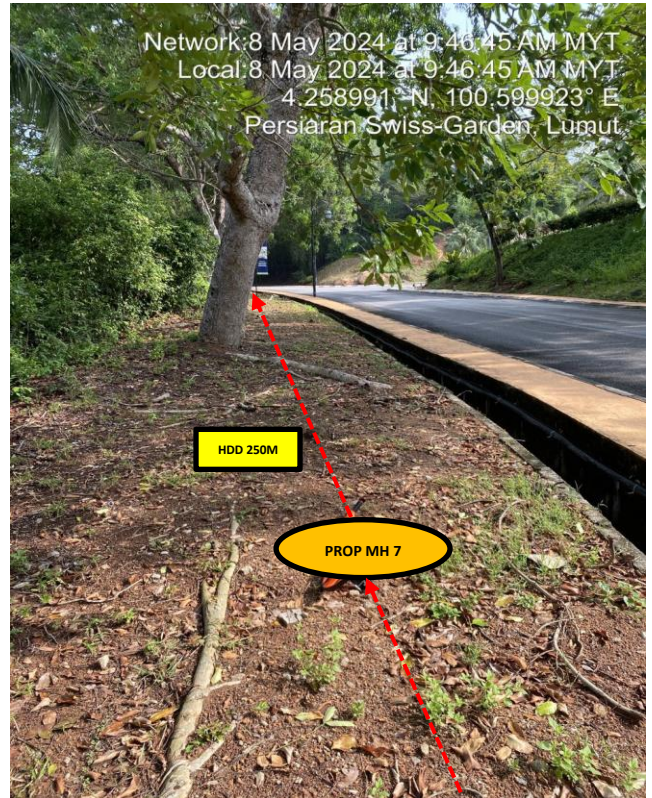
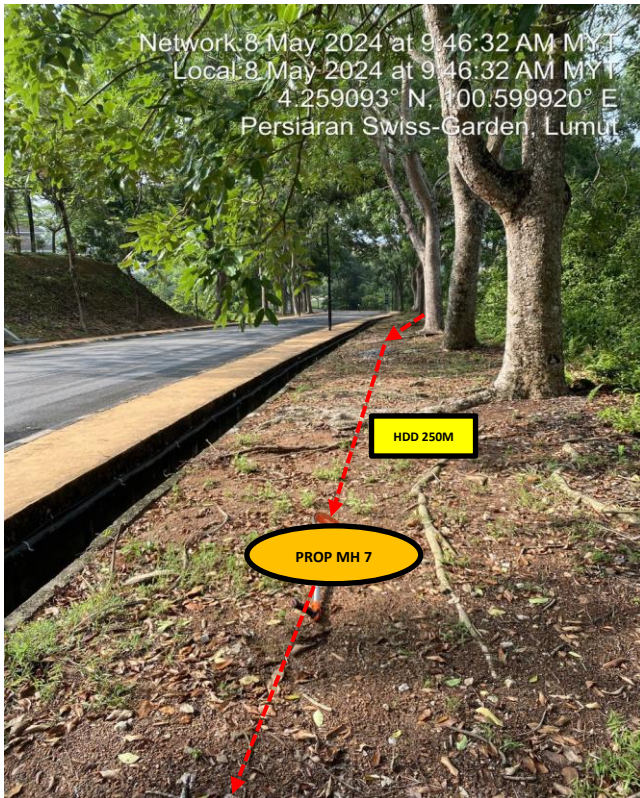
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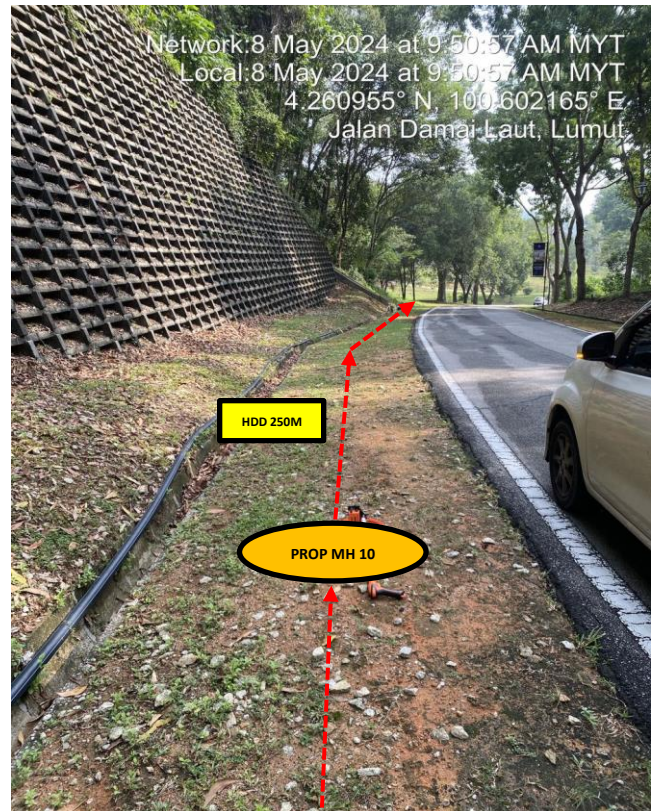
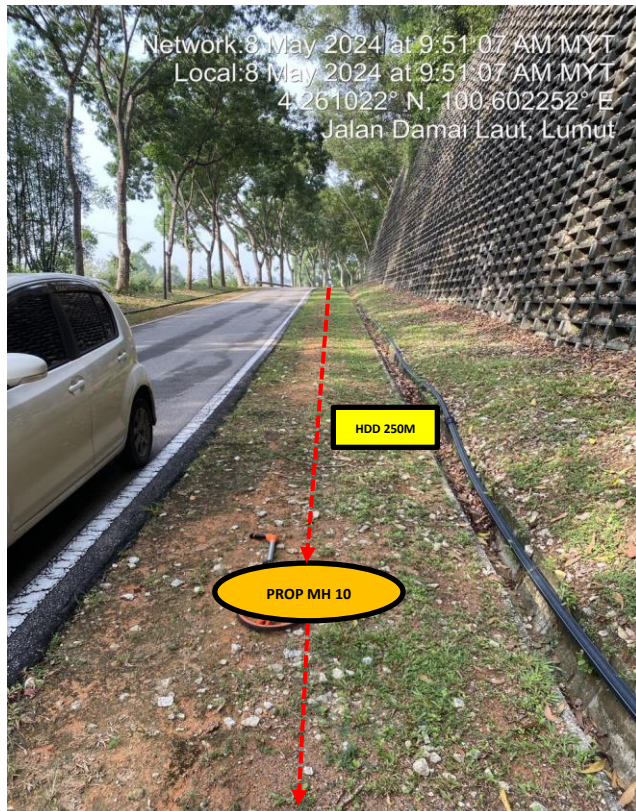
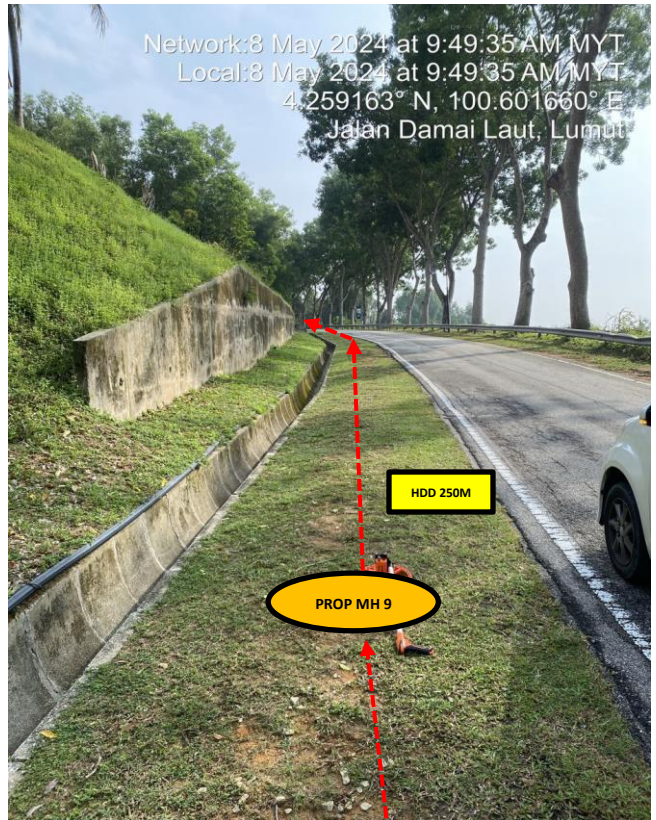
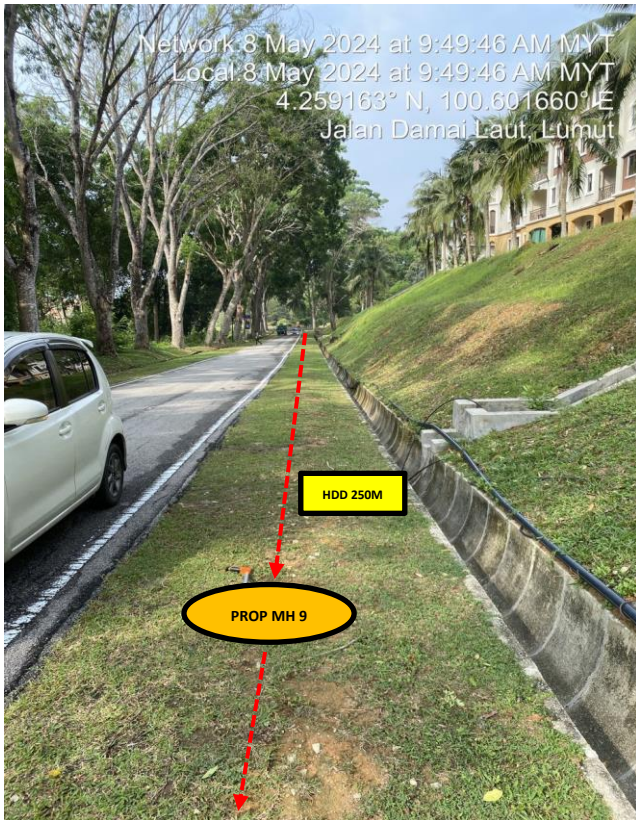
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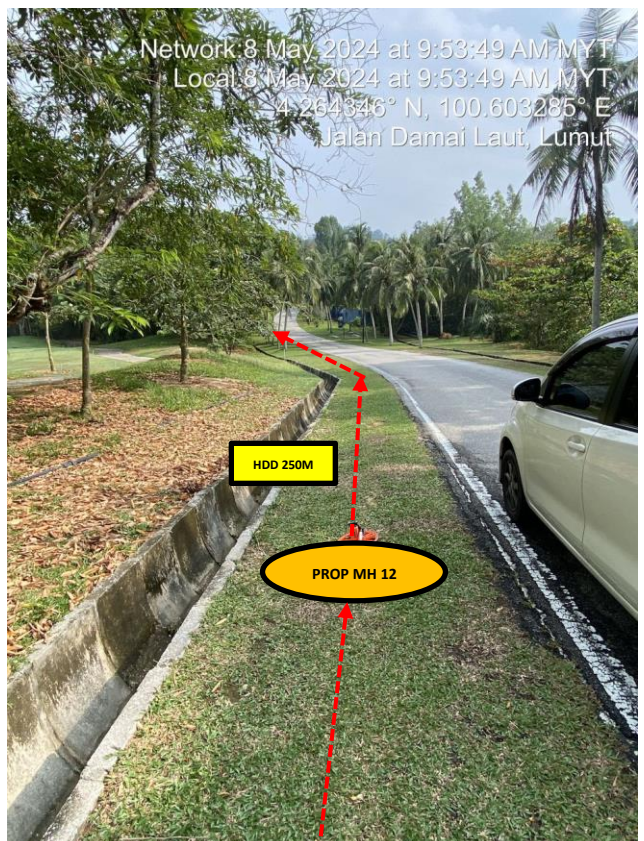
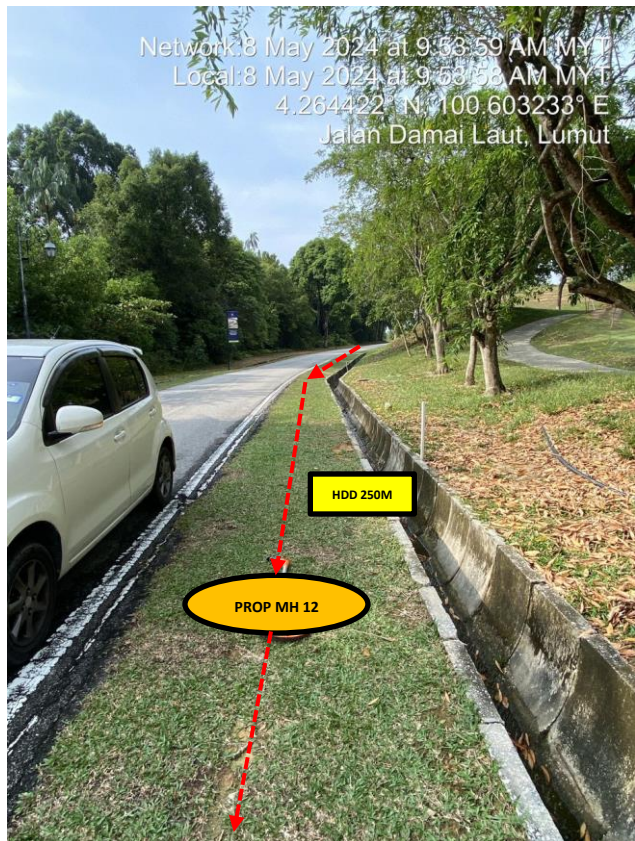
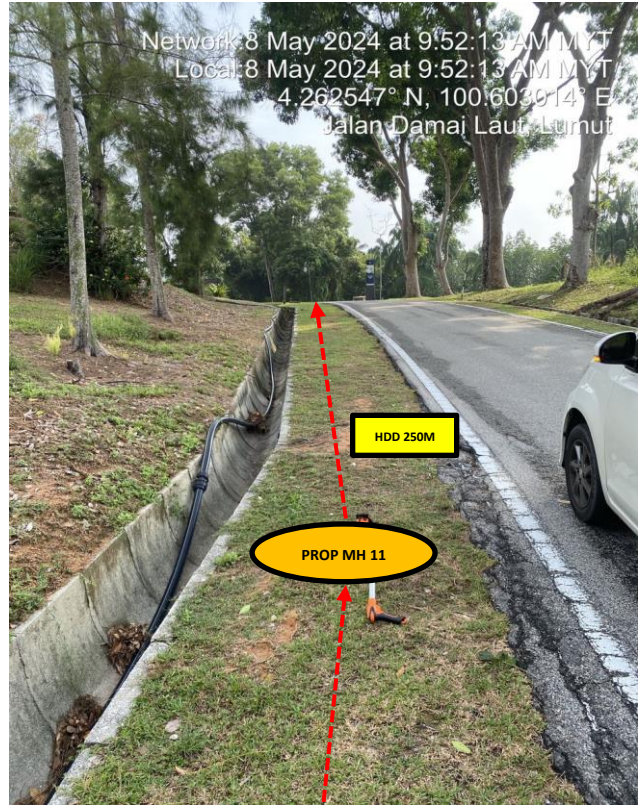
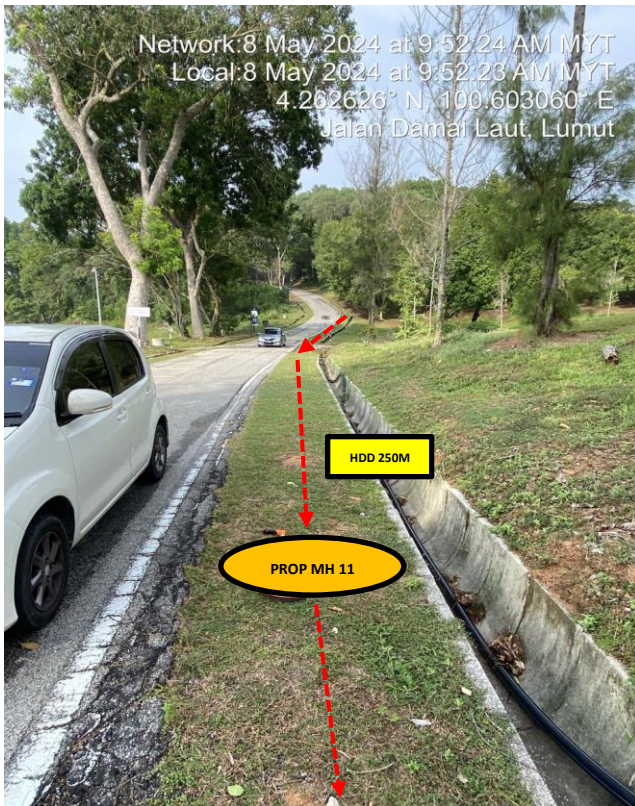
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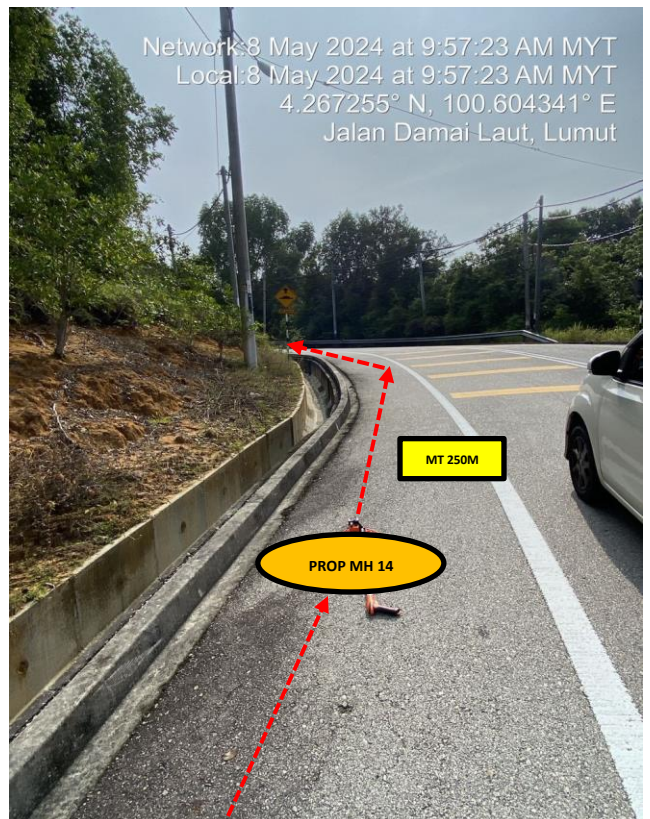
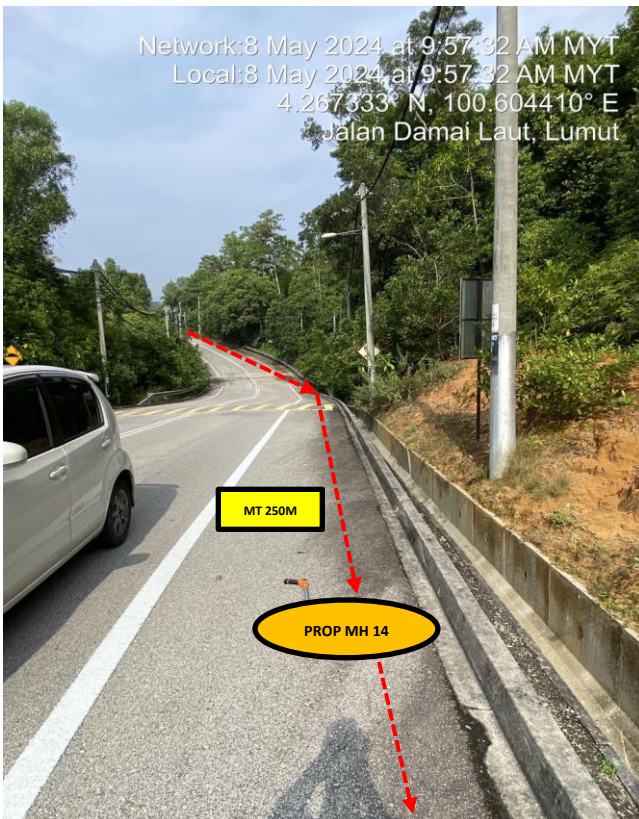
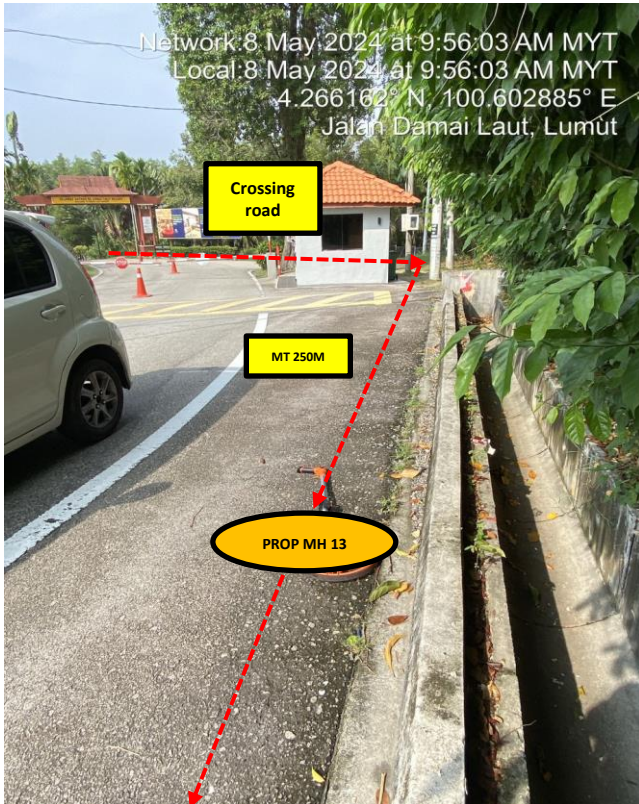
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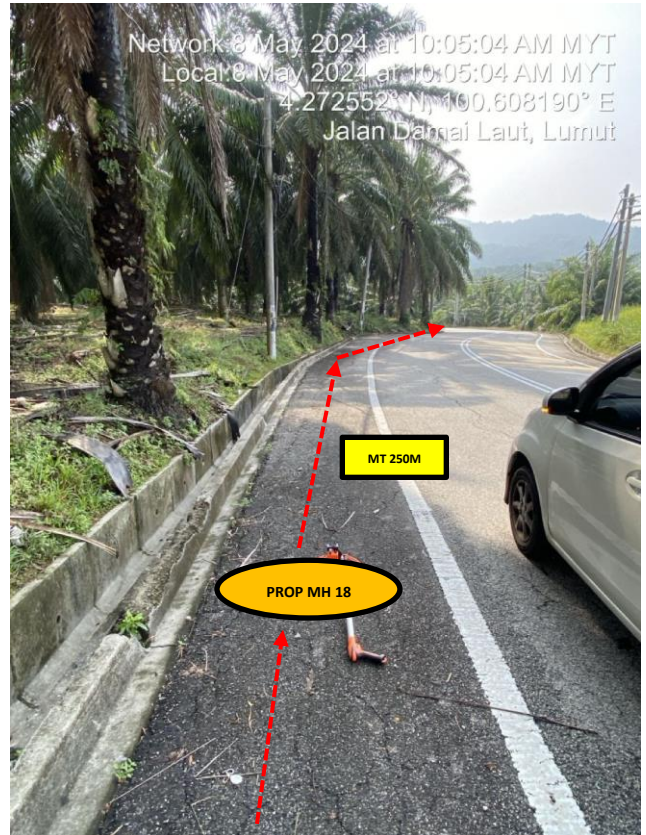
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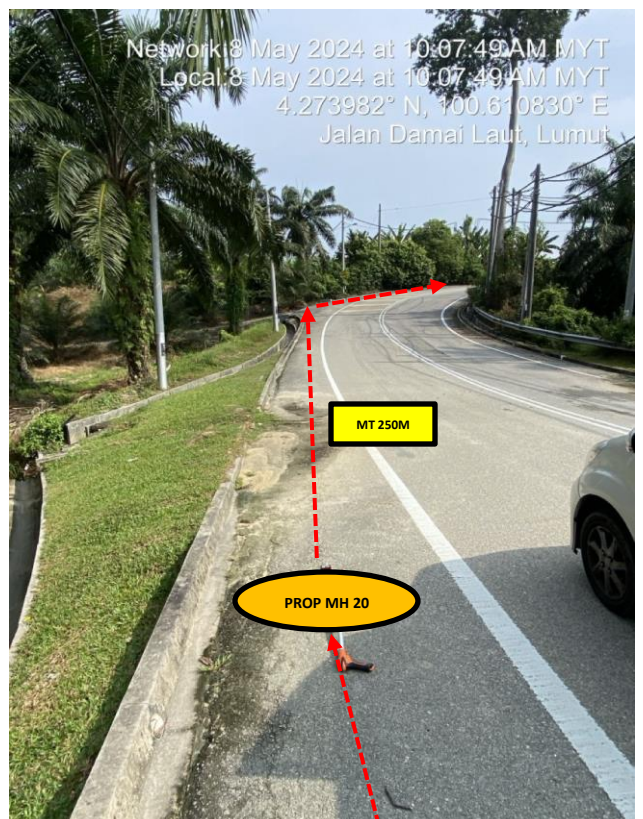
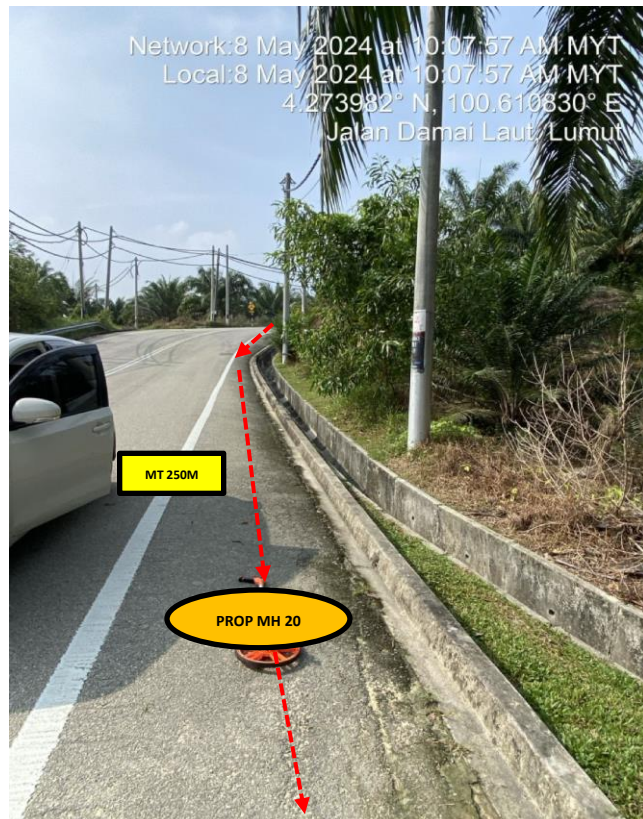
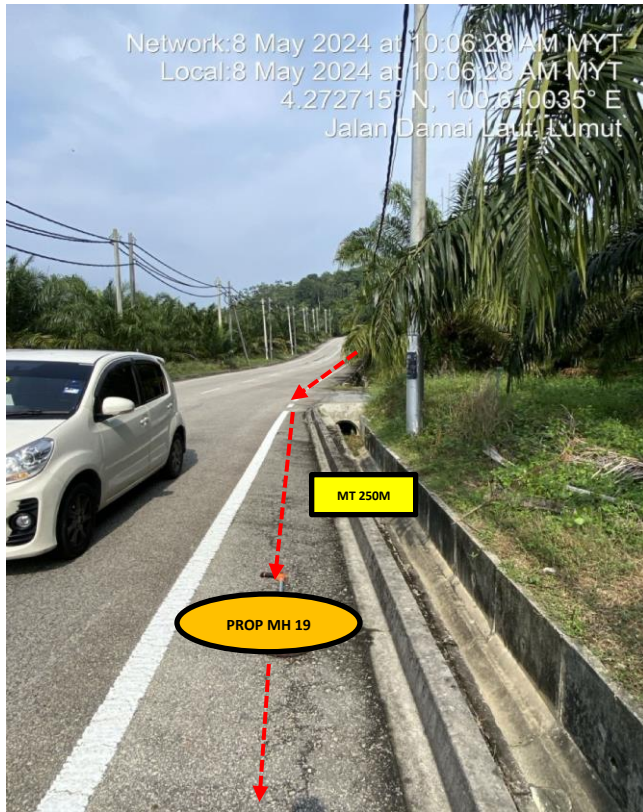
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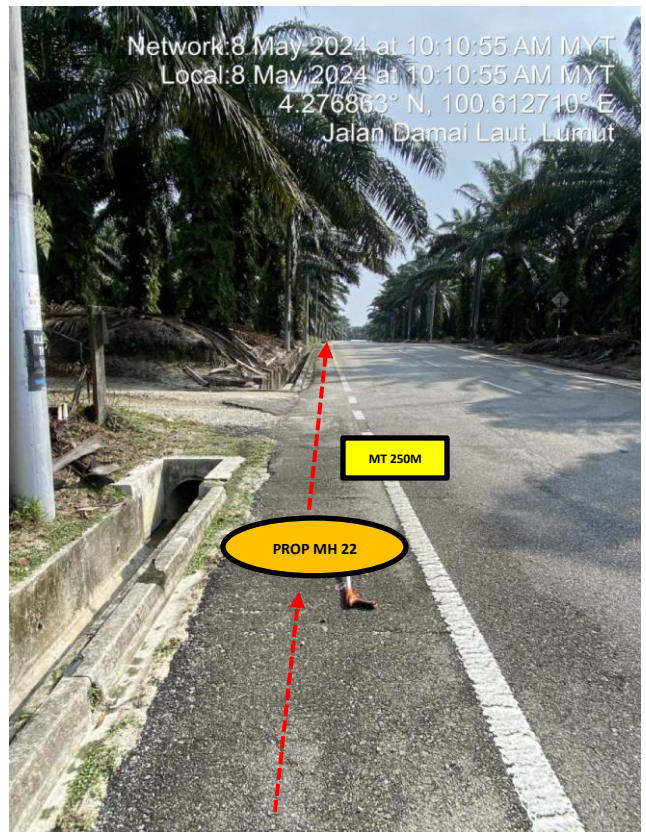
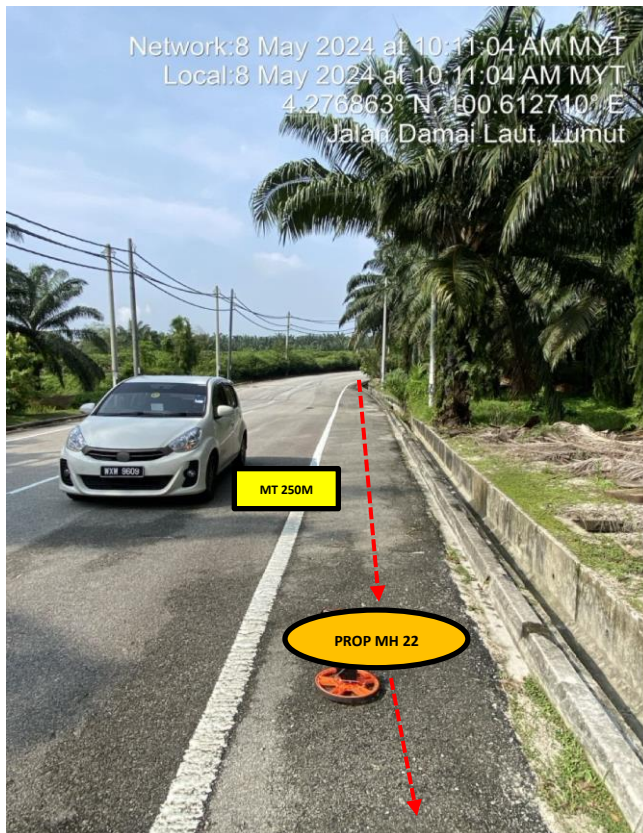
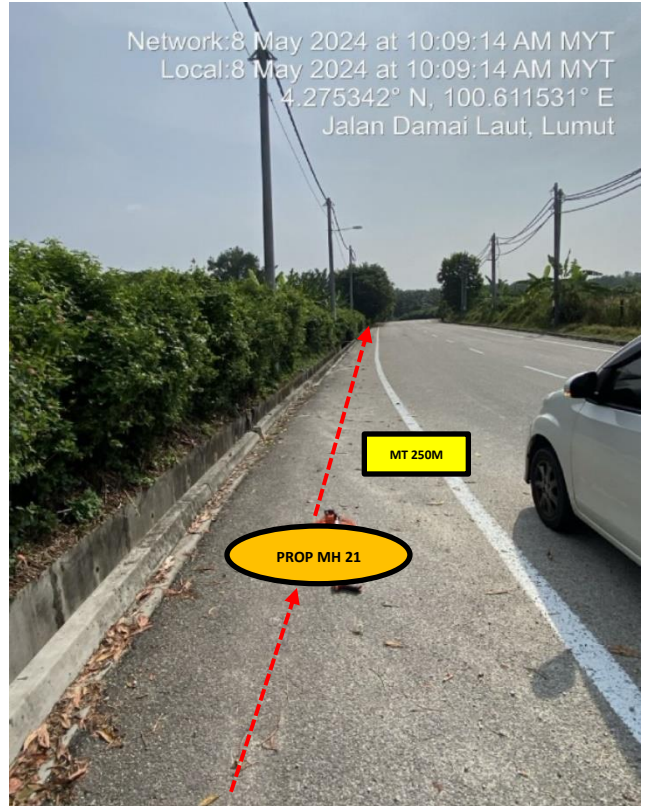
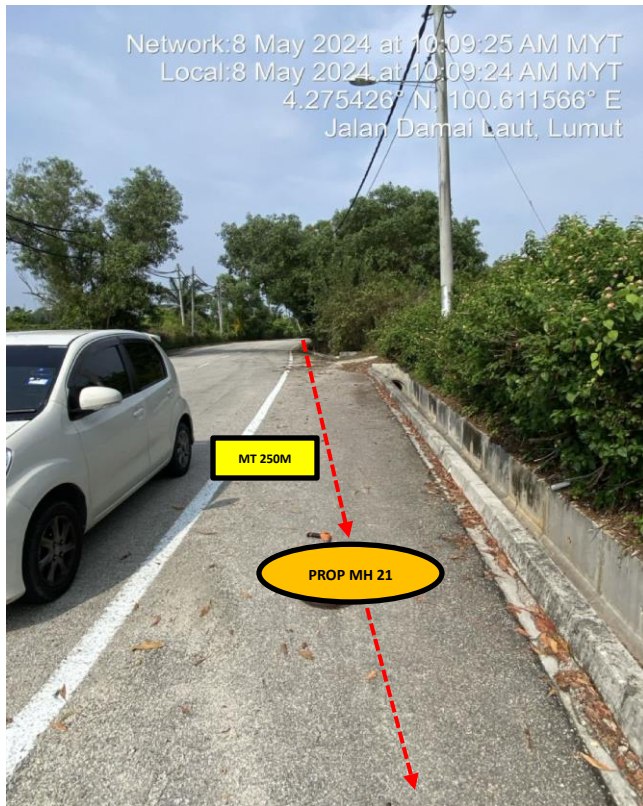
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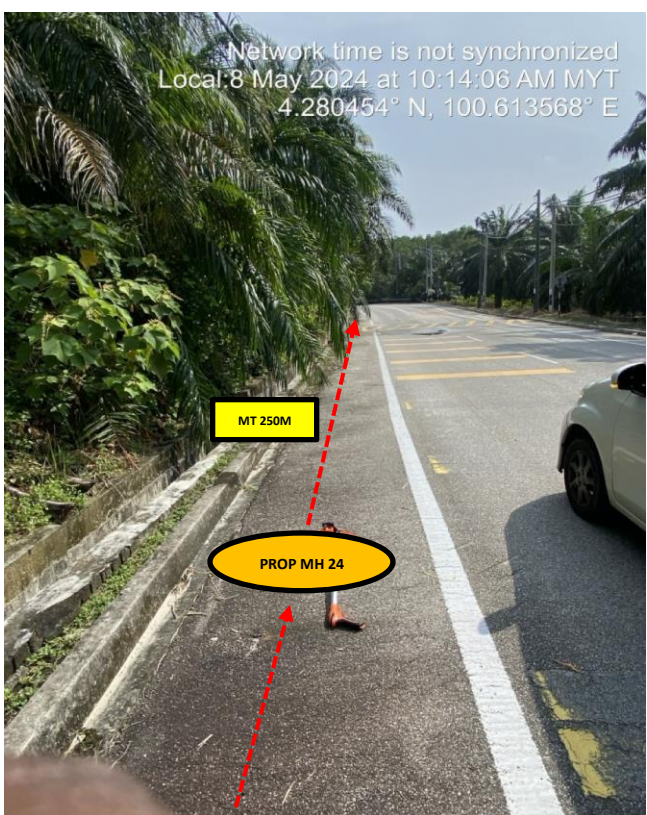
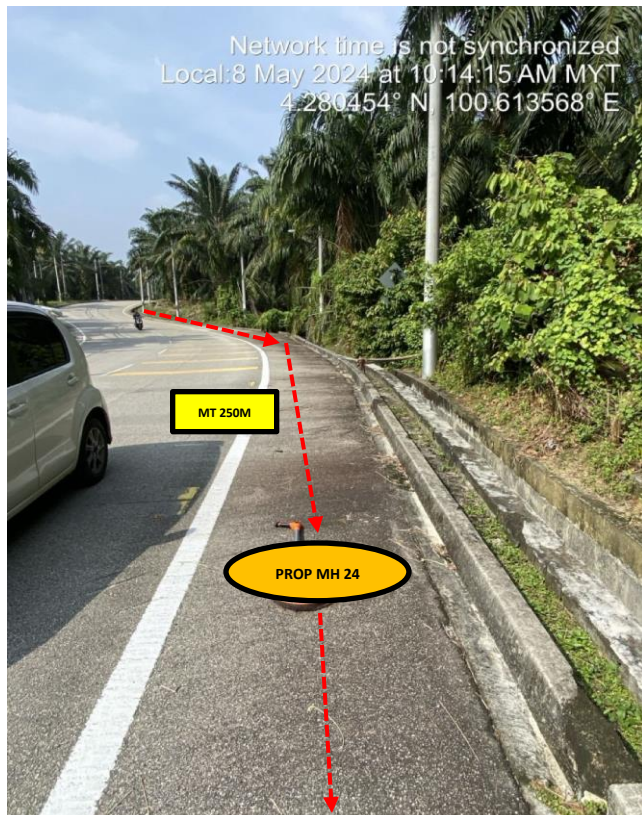
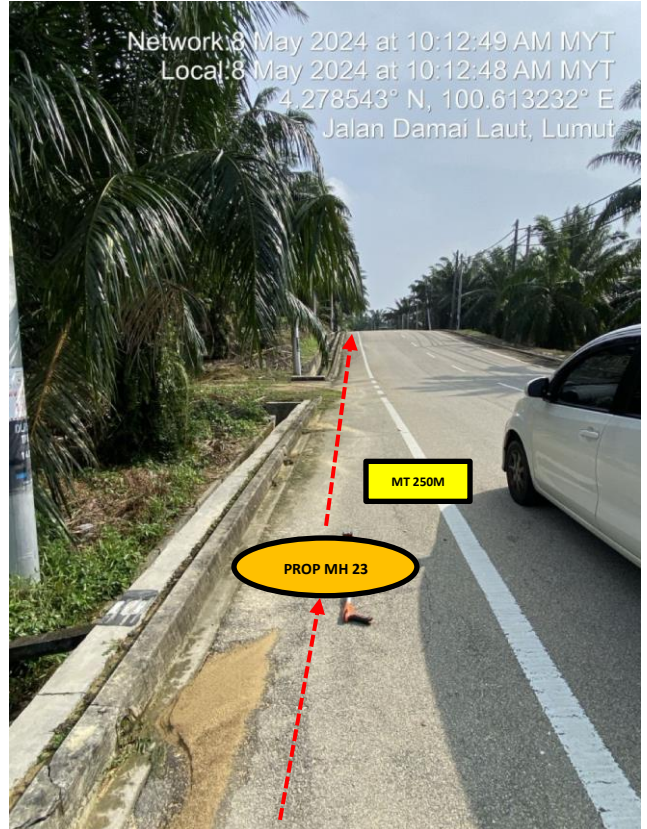
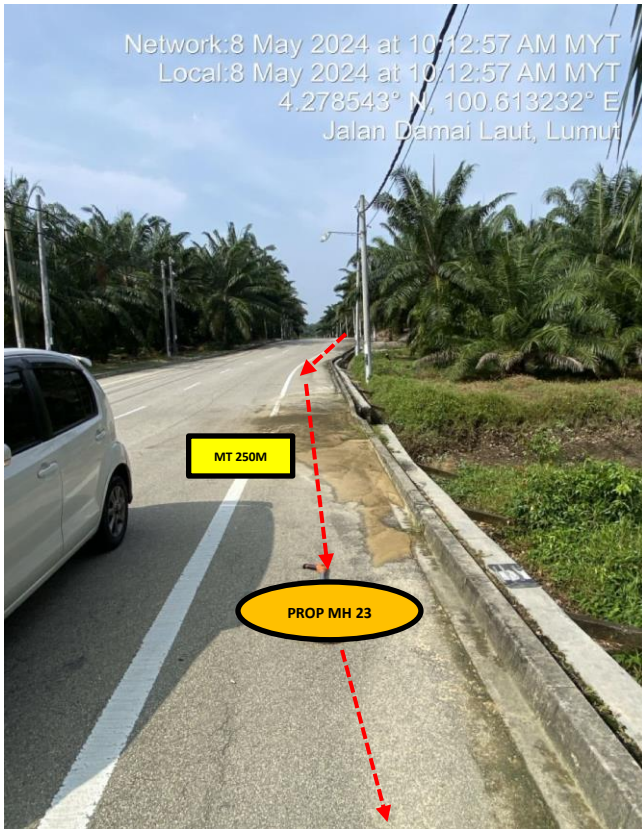
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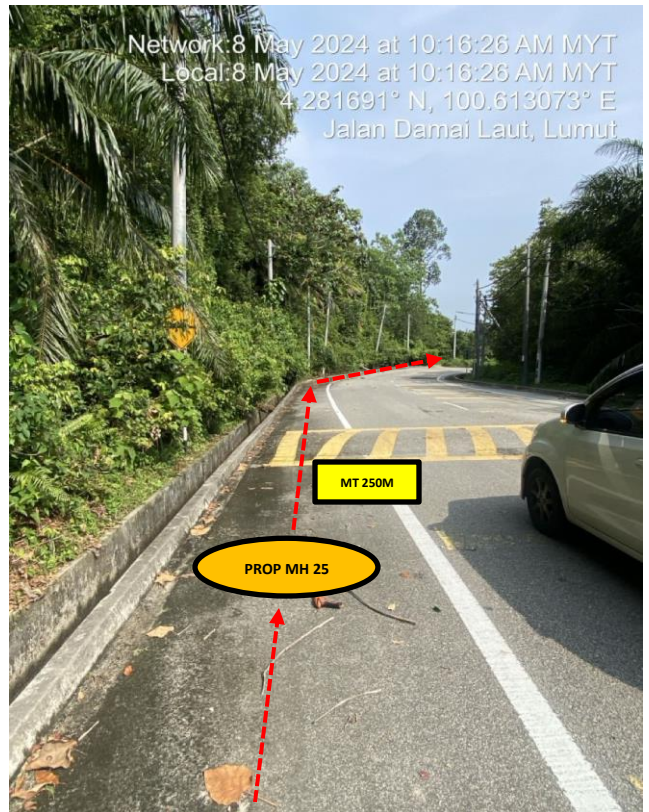
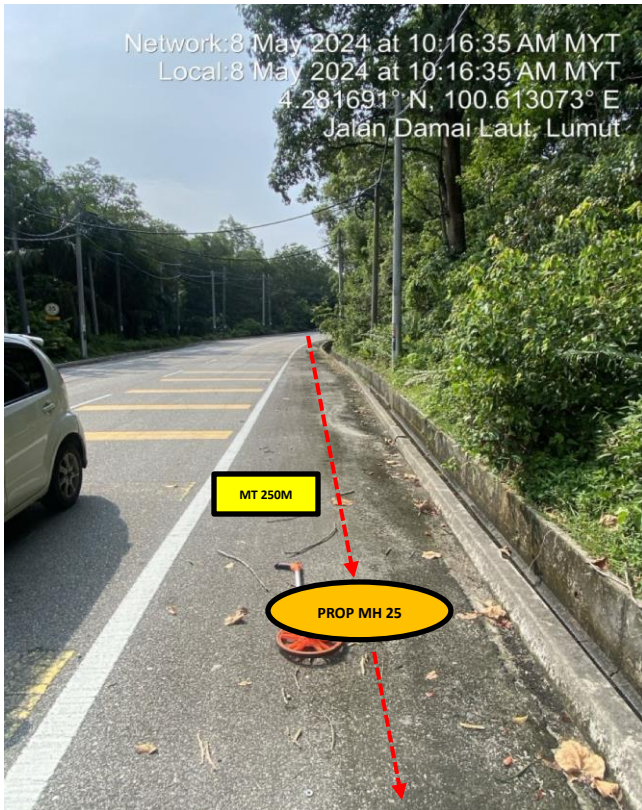
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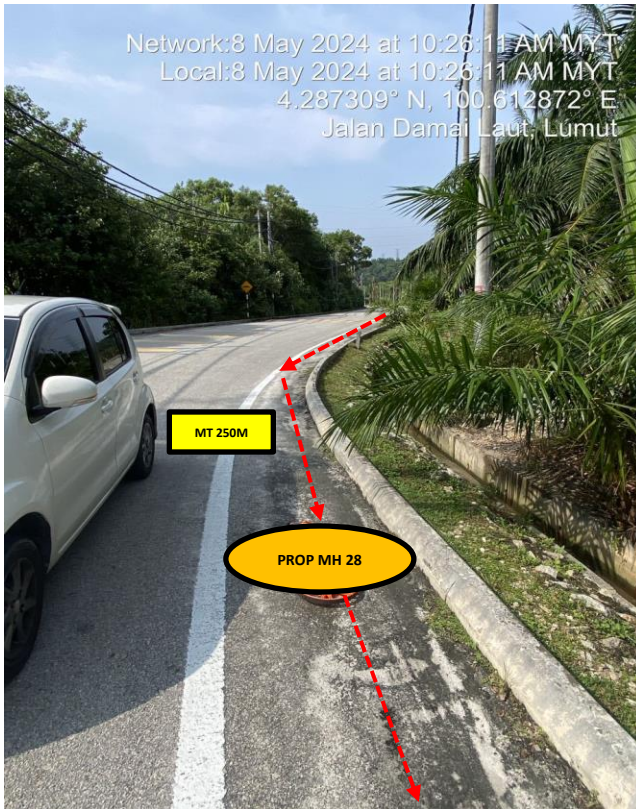
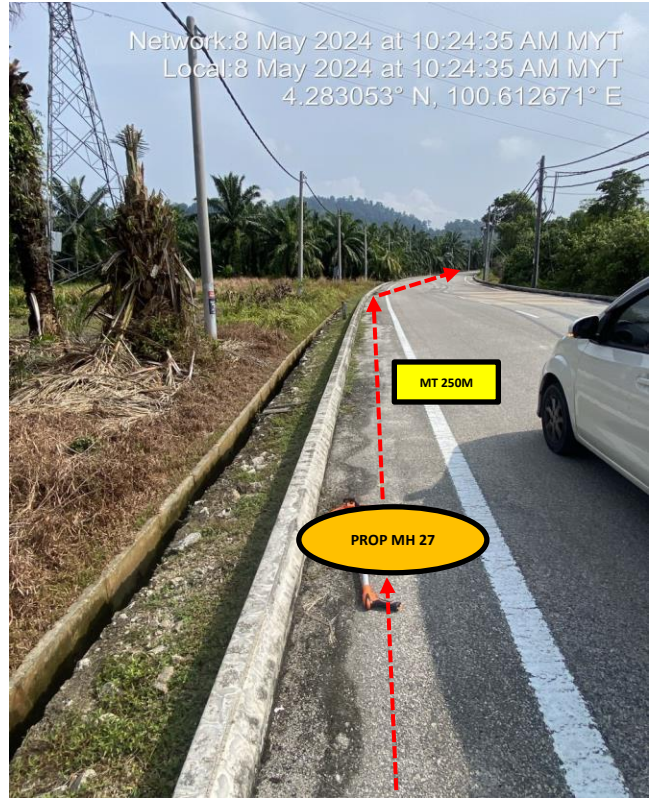
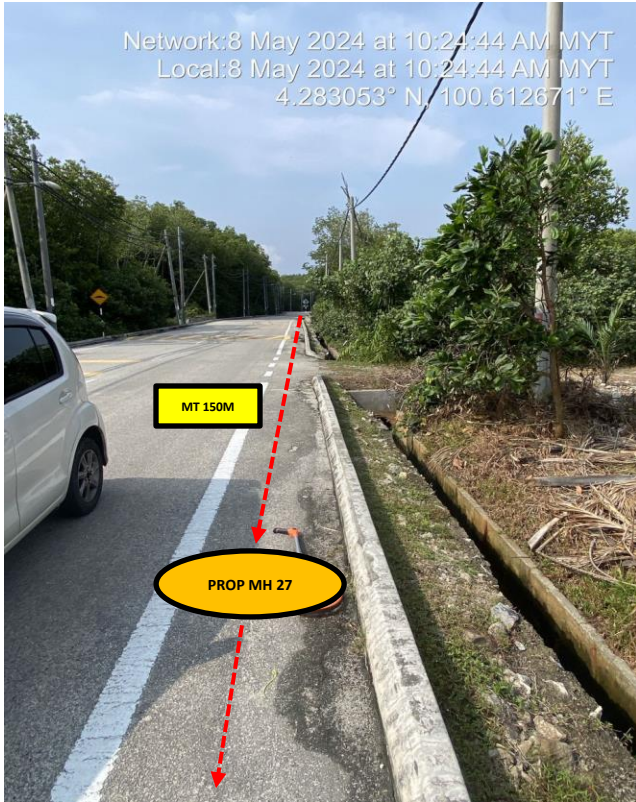
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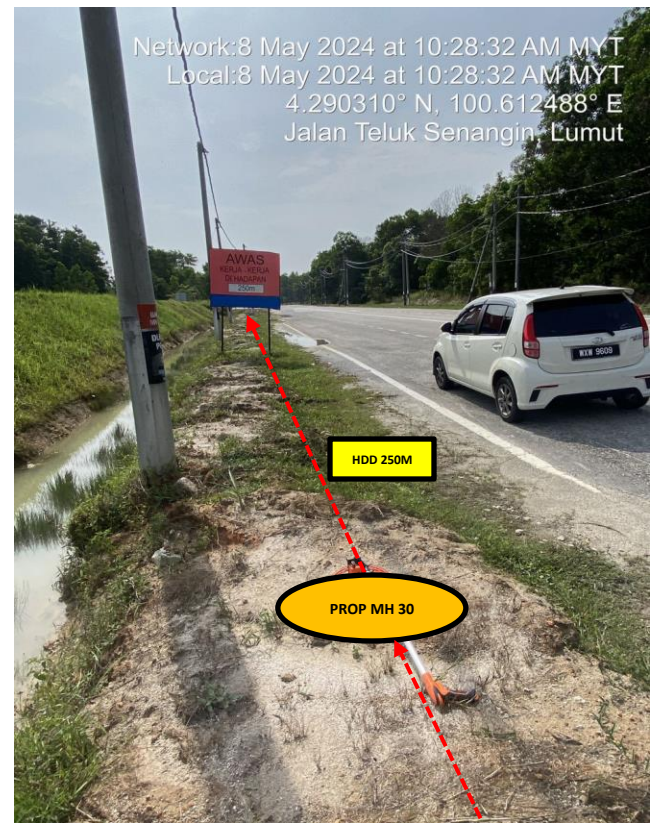
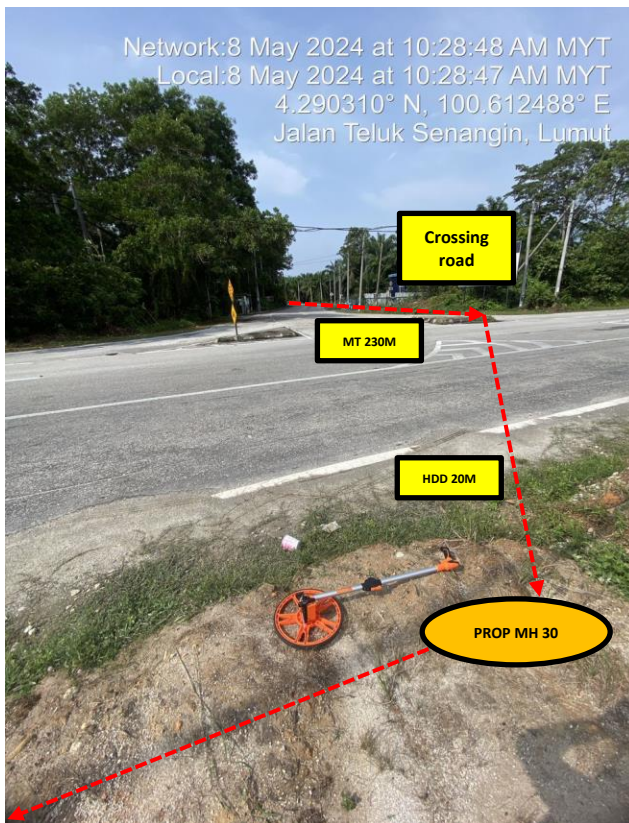
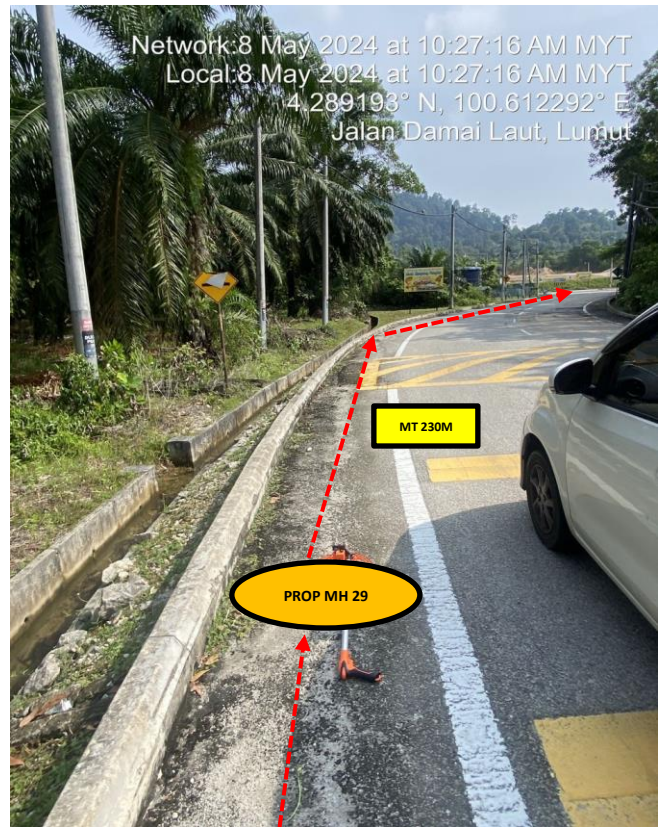
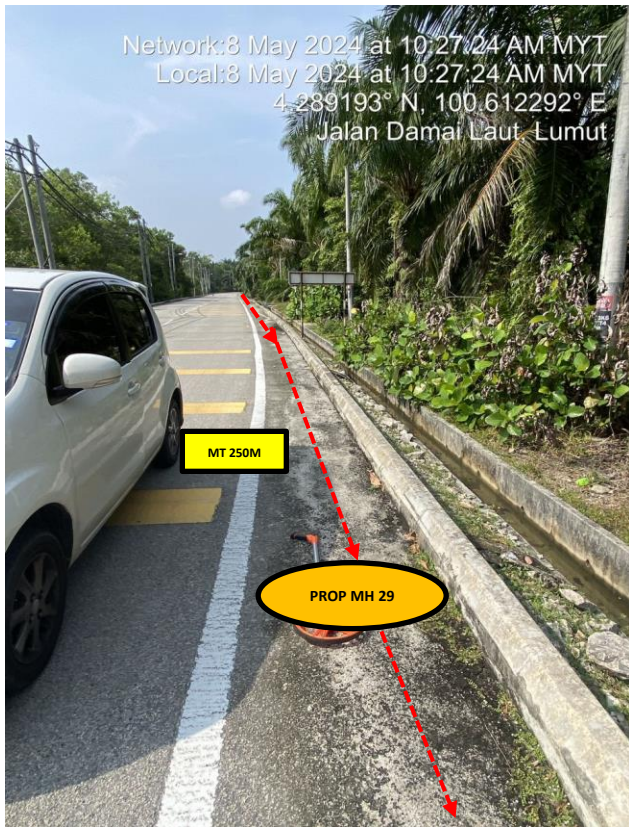
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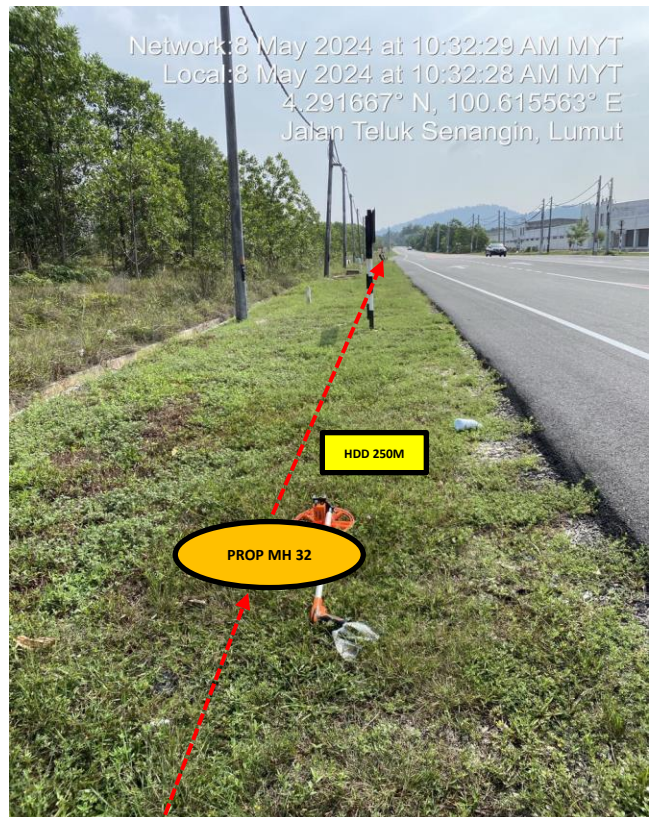
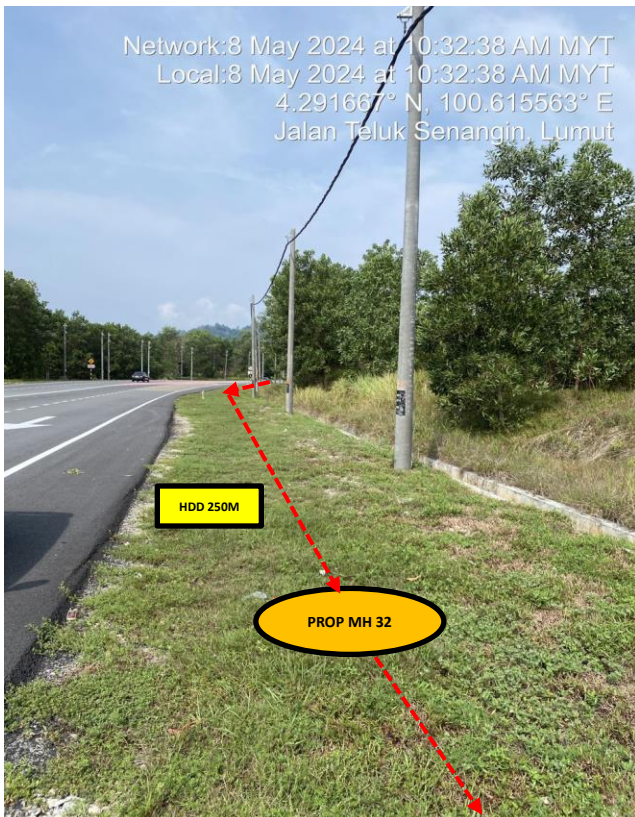
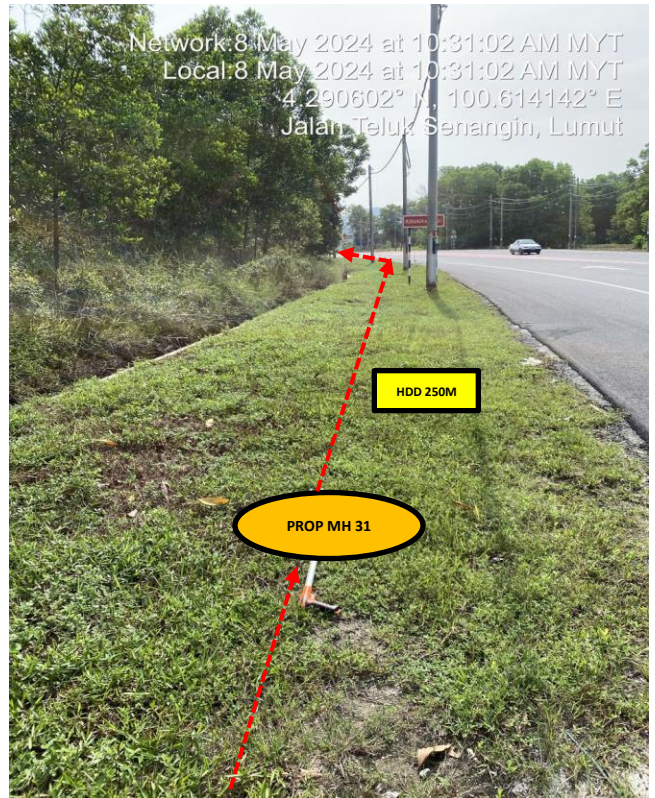
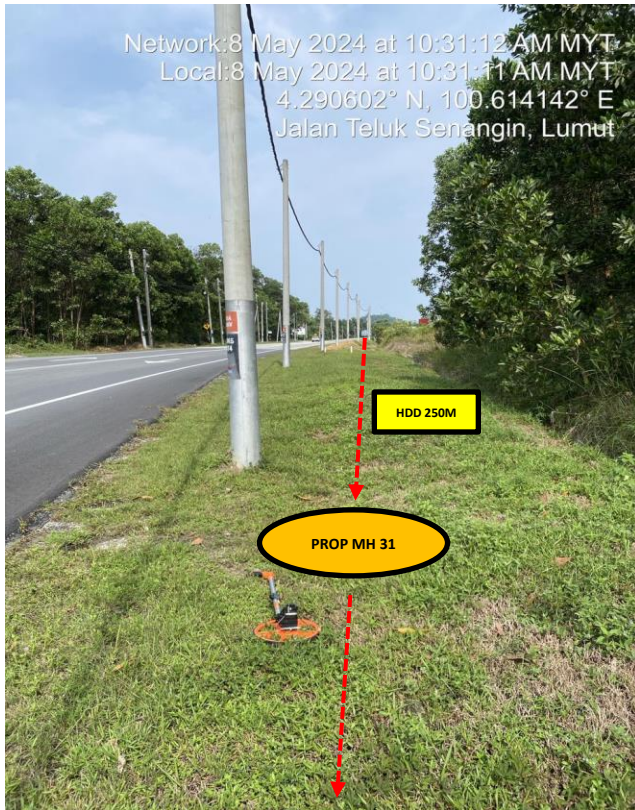
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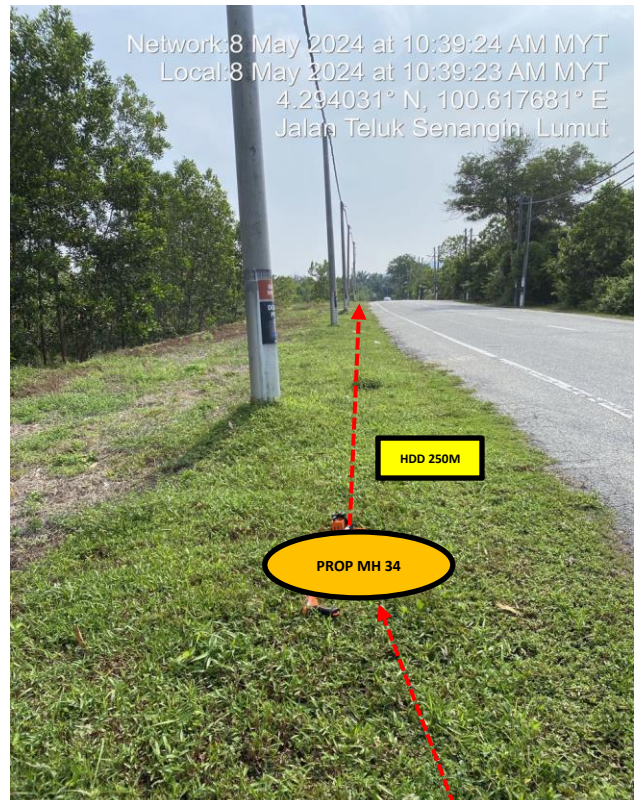
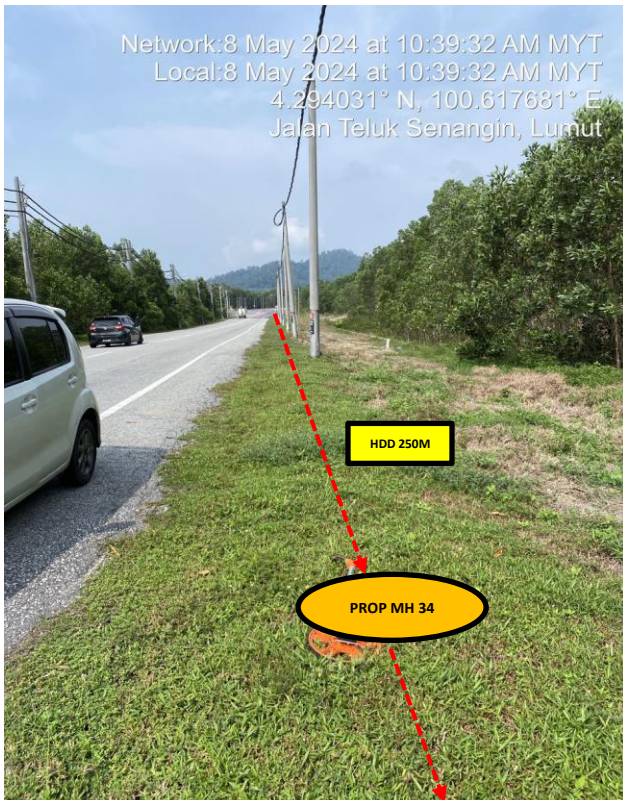
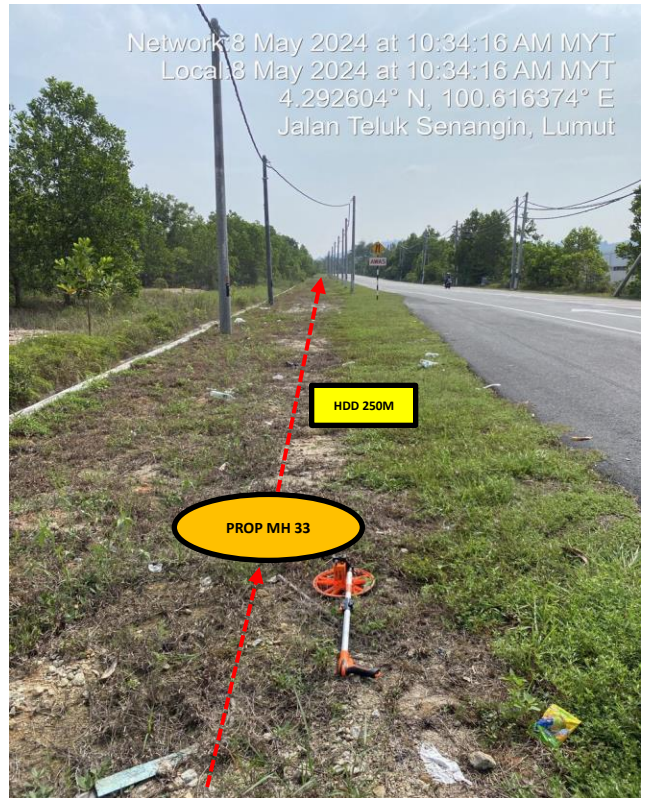
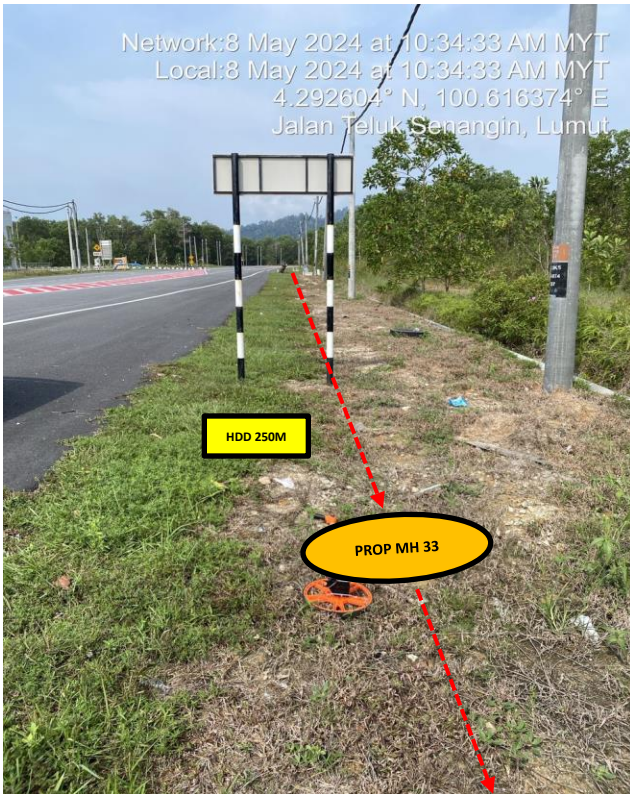
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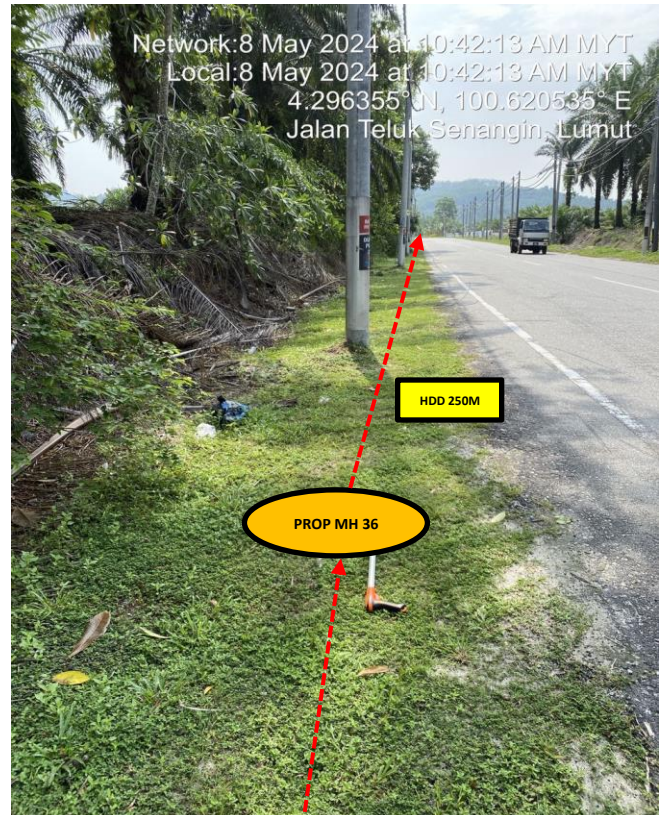
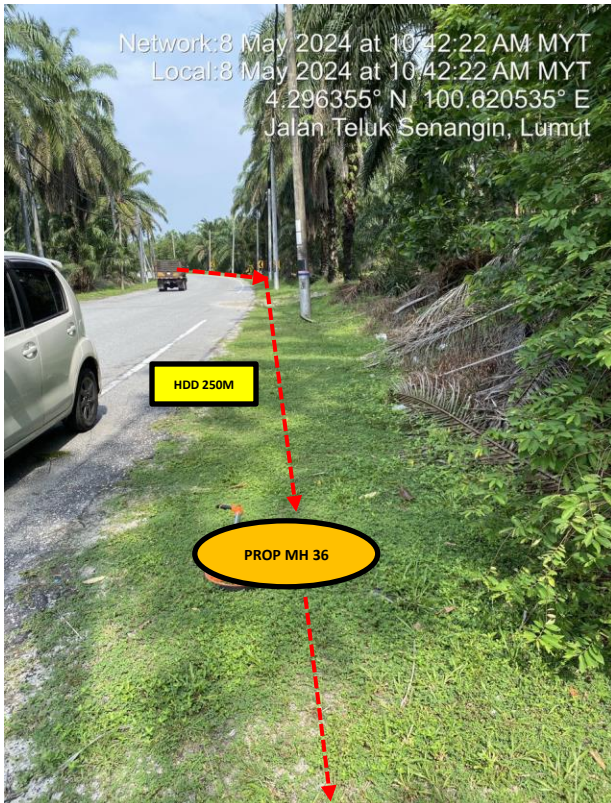
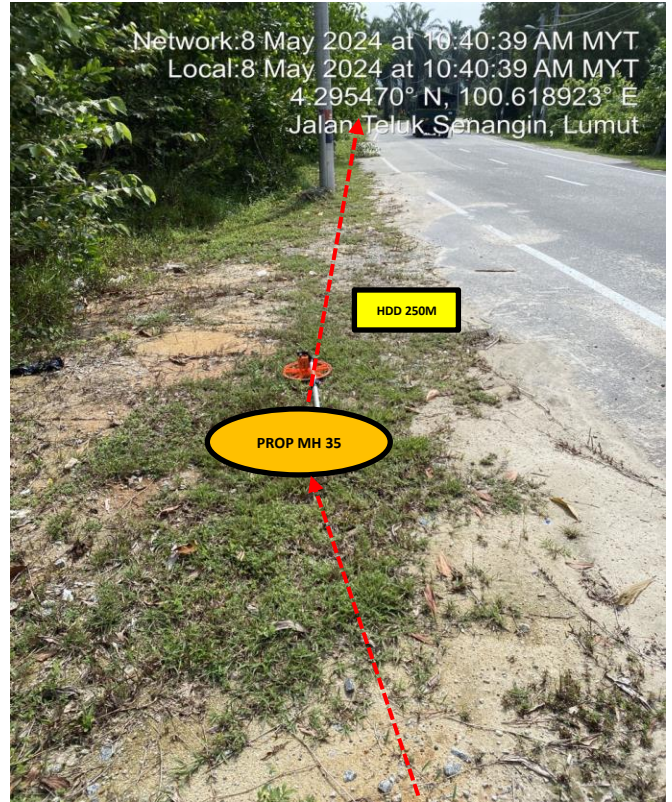
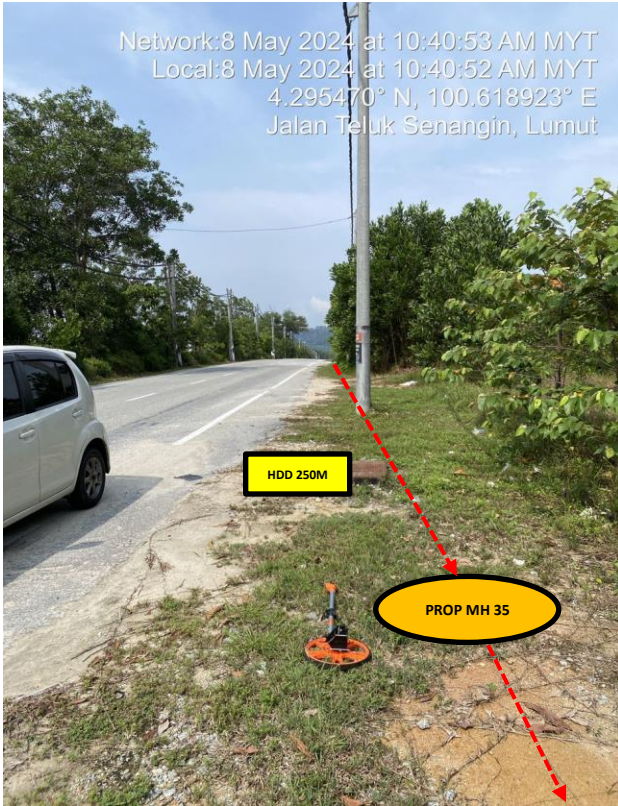
Section 4: OSP Snapshot for new route



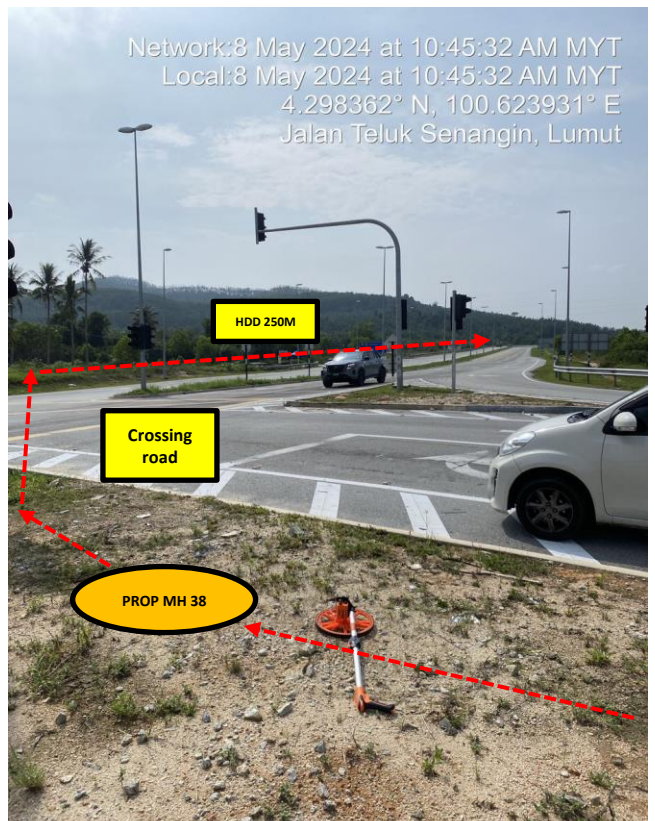
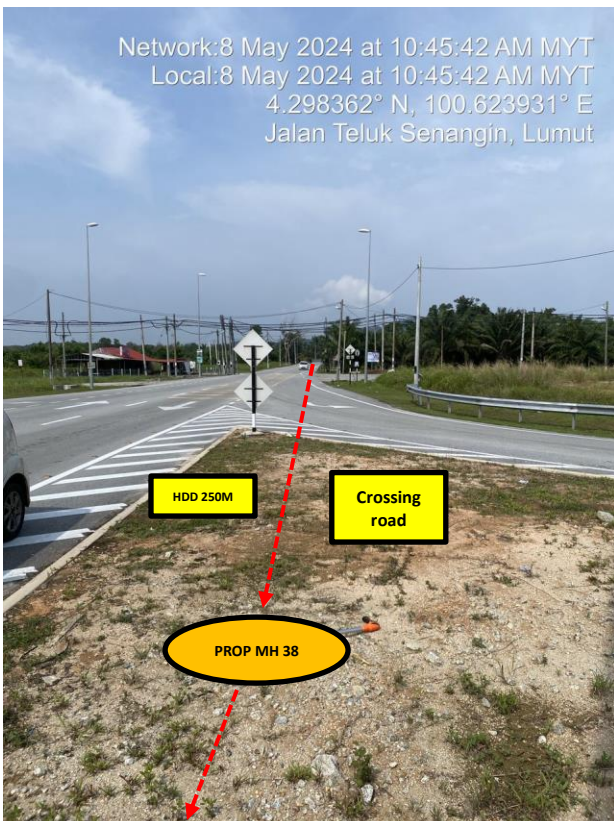
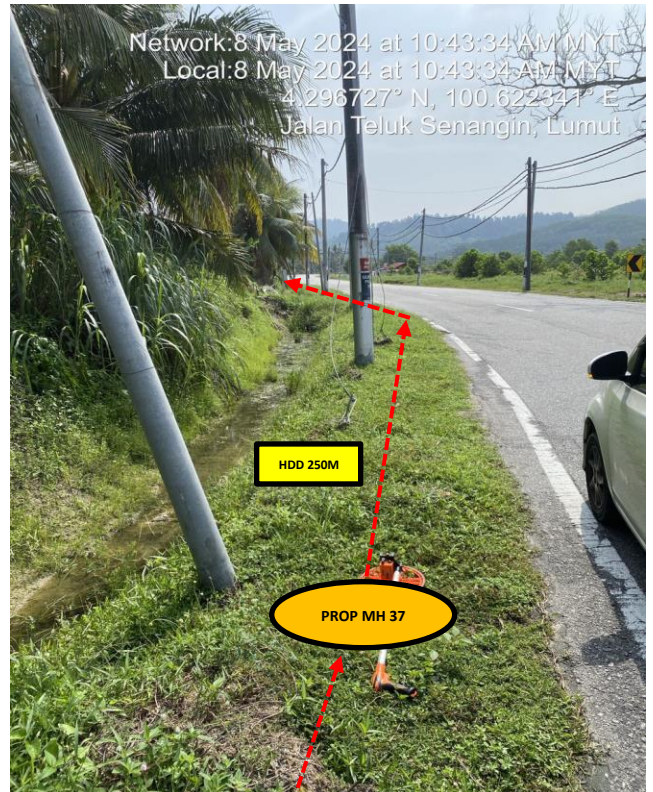
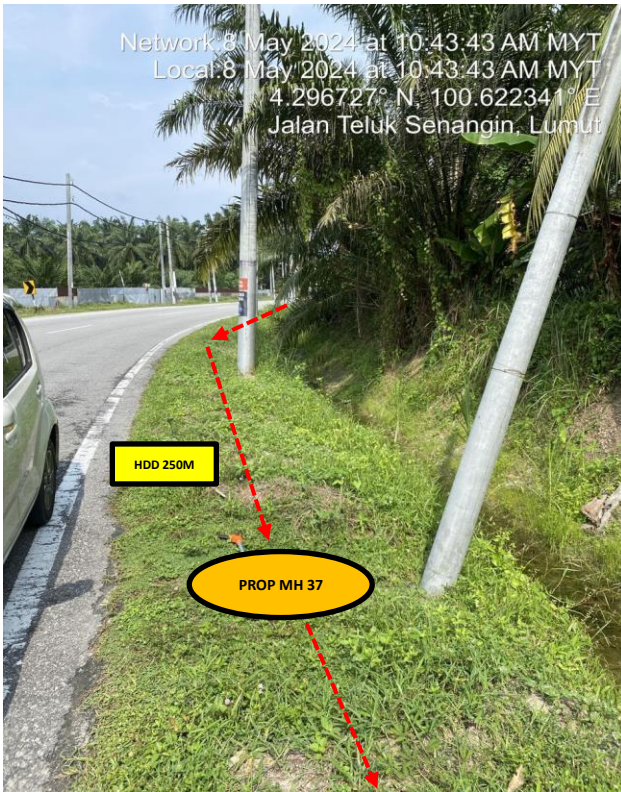
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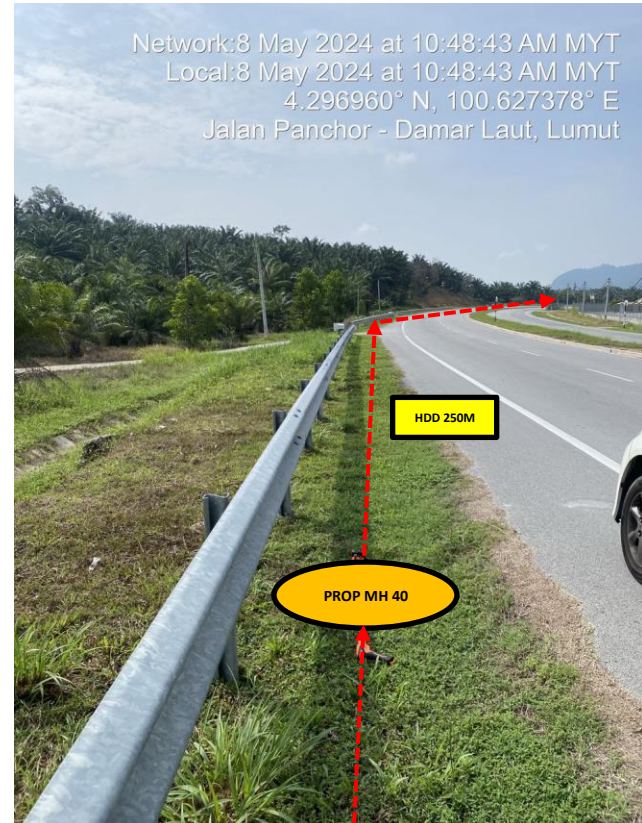
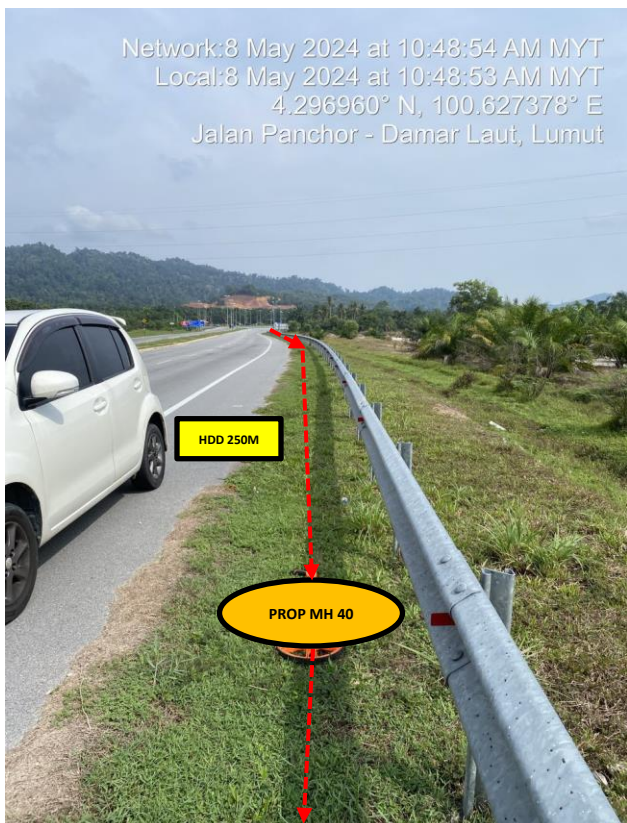
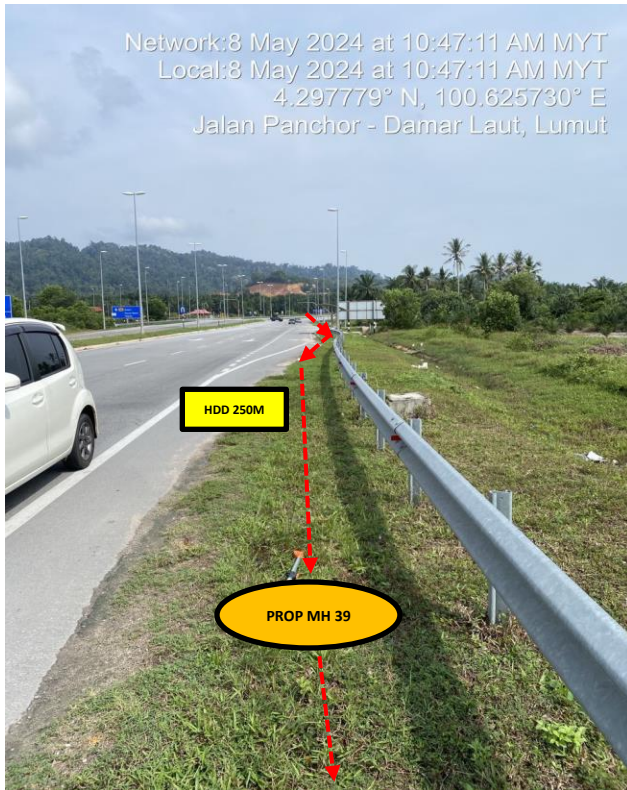
Section 4: OSP Snapshot for new route



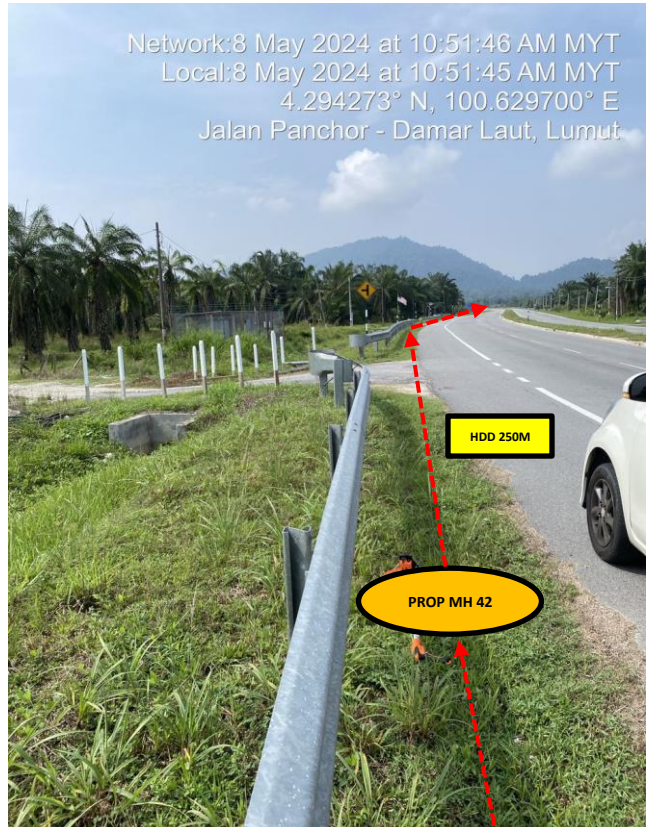
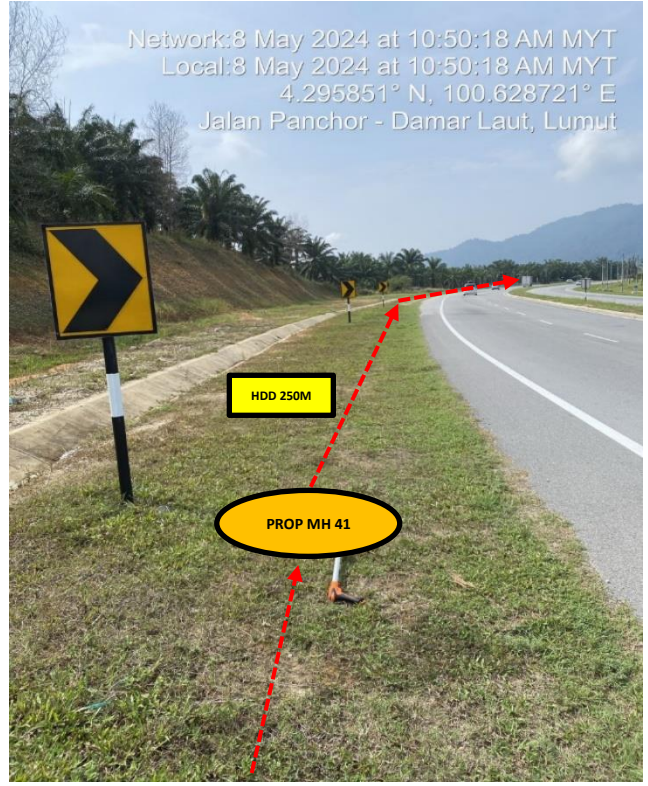
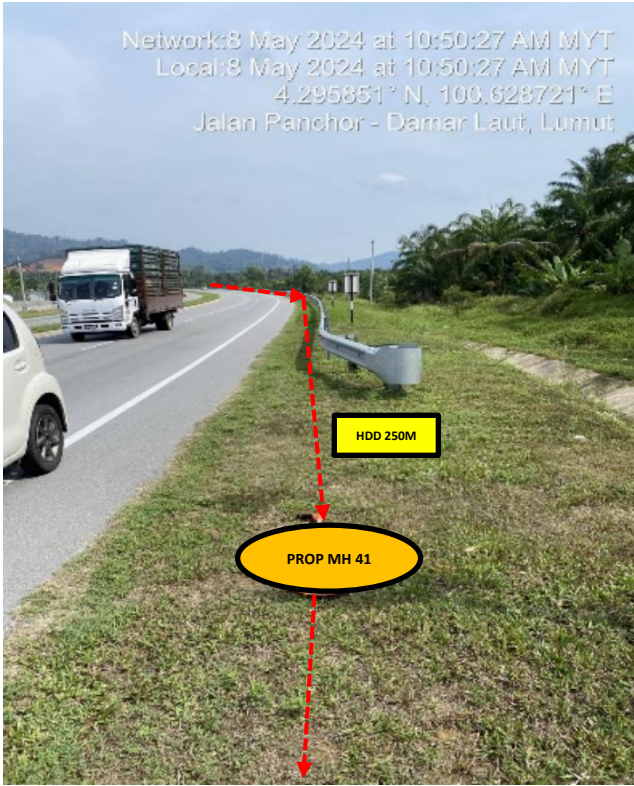
Section 4: OSP Snapshot for new route



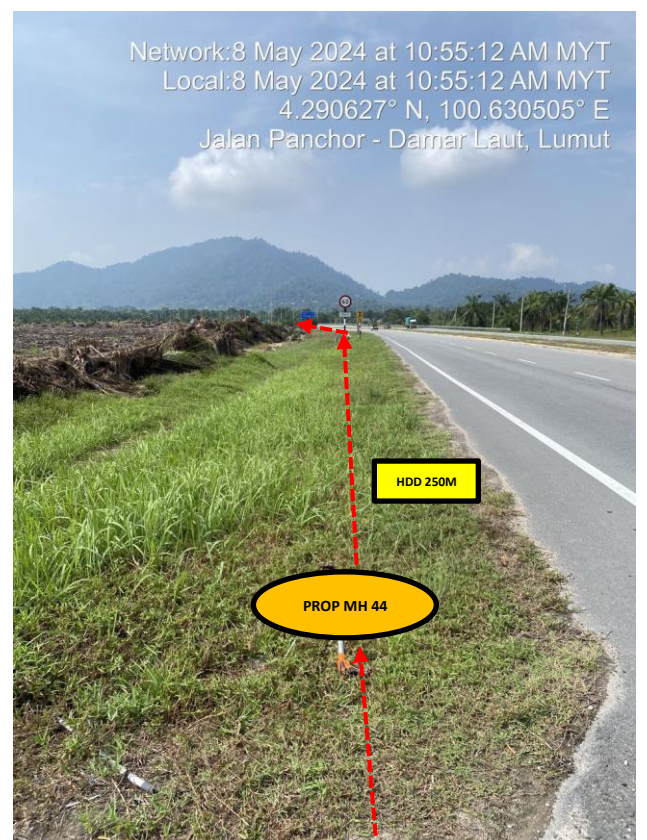
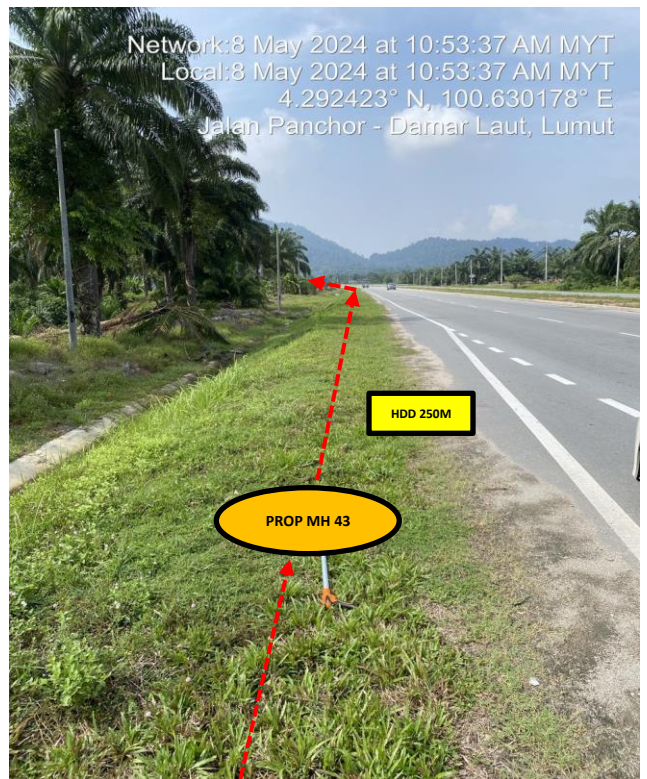
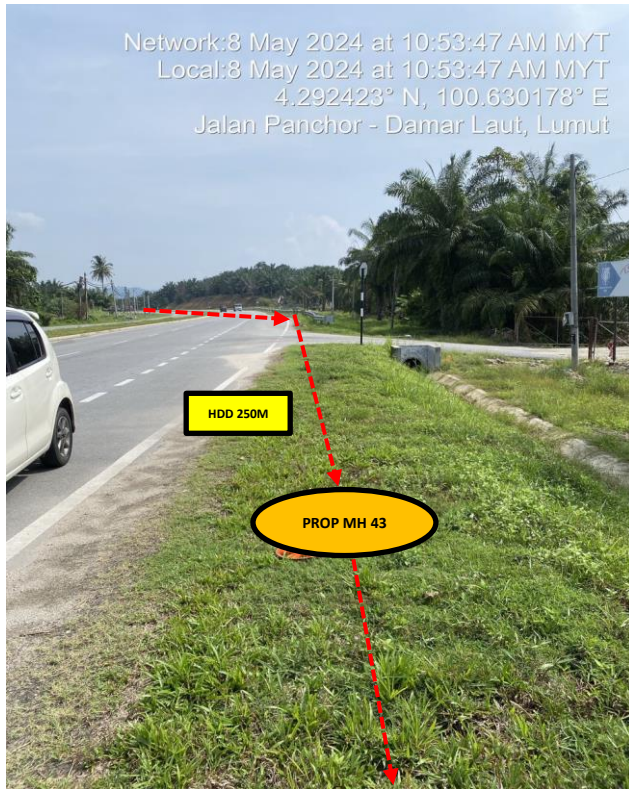
Section 4: OSP Snapshot for new route



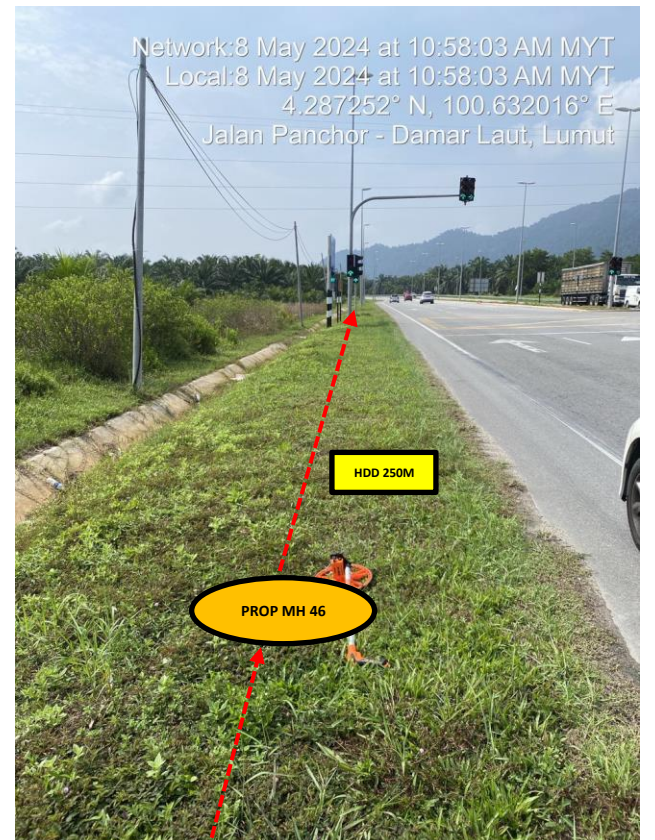
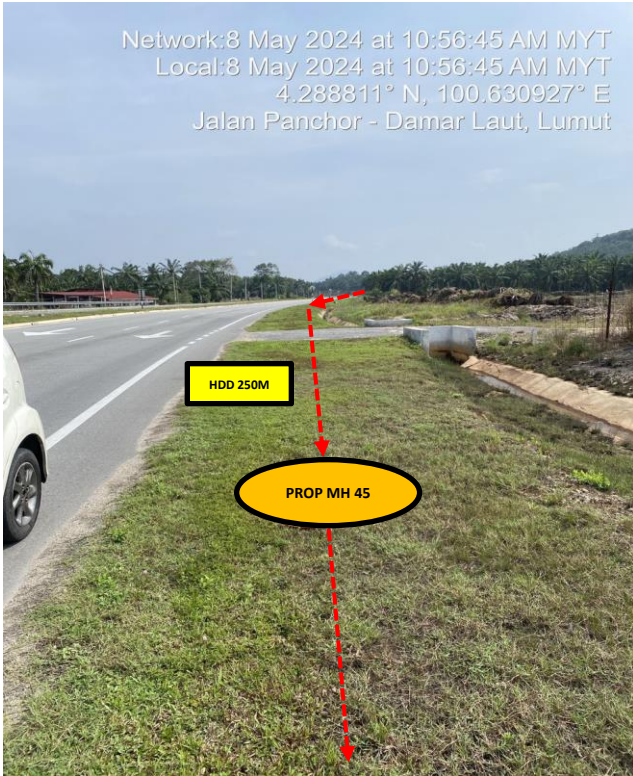
Section 4: OSP Snapshot for new route



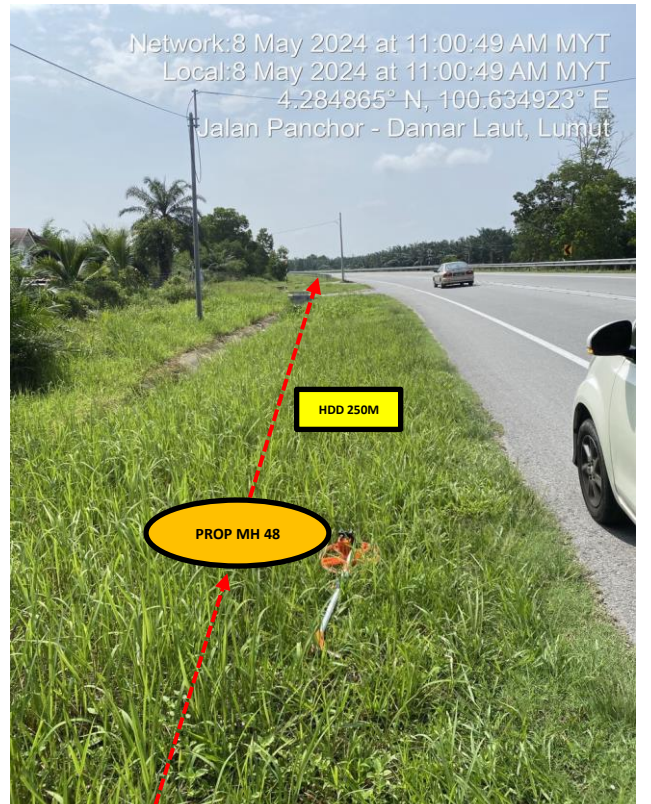
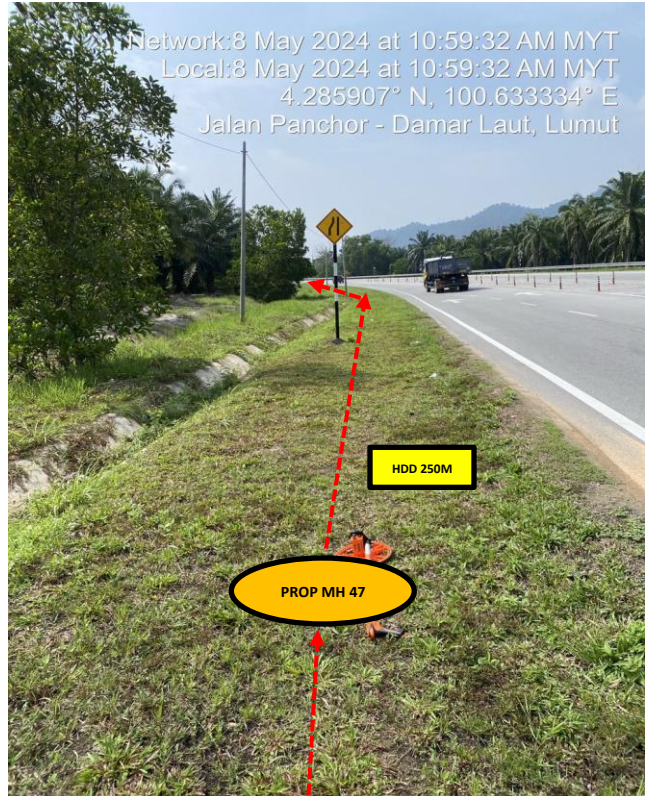
Section 4: OSP Snapshot for new route



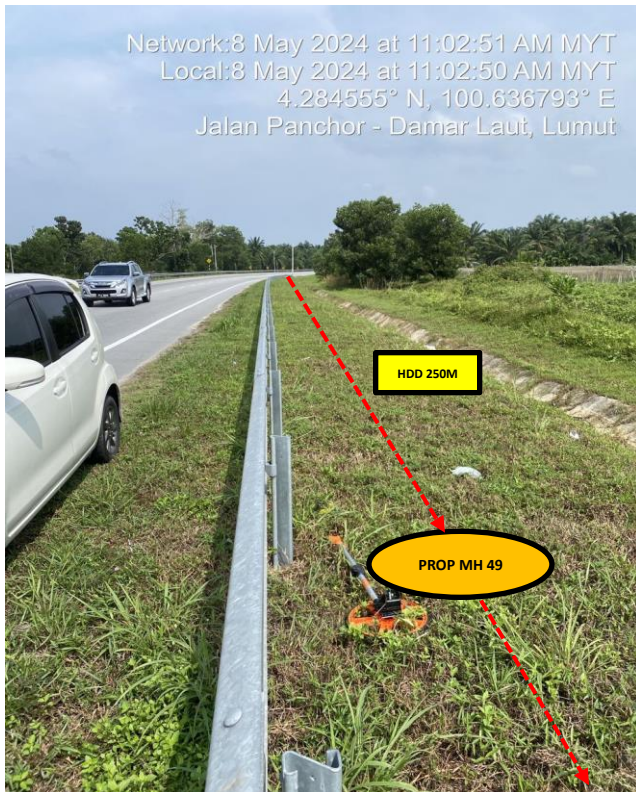
Section 4: OSP Snapshot for new route



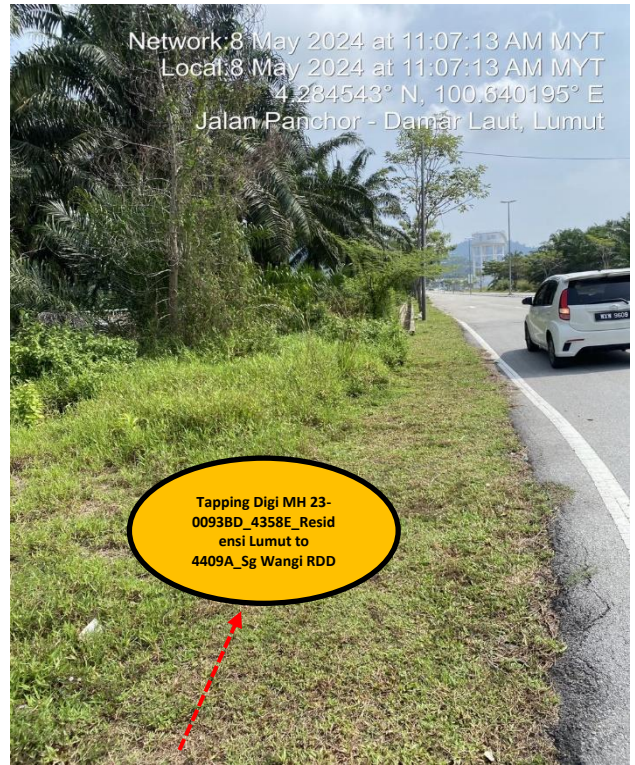
Section 4: OSP Snapshot for new route



Section 4: OSP Snapshot for new route



Section 4: OSP Snapshot for new route



Section 6: Work Schedule