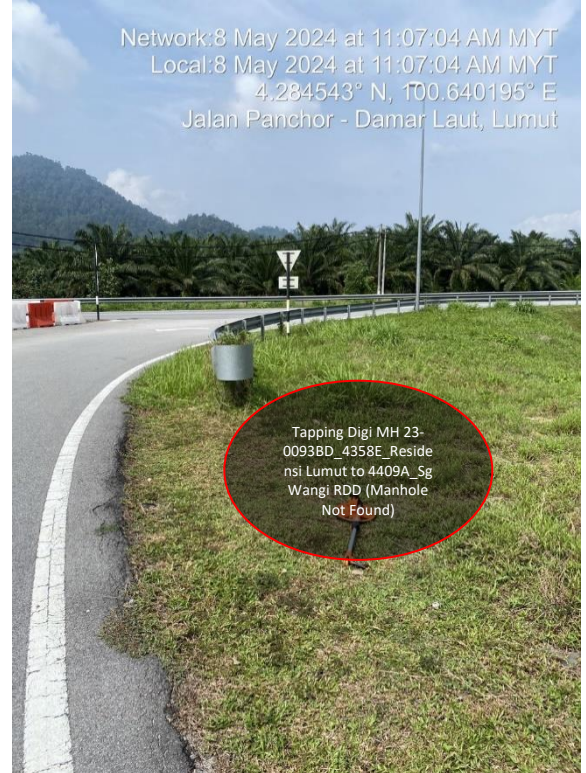
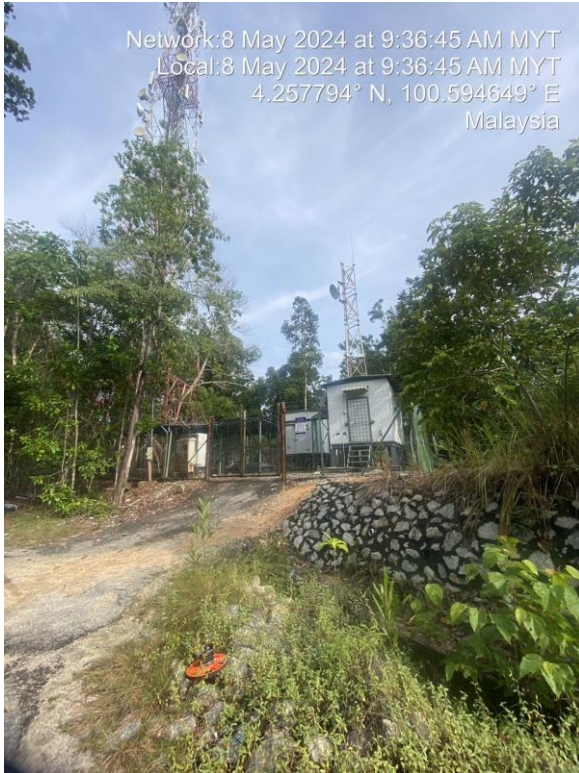


# TECHNICAL PROPOSAL OB 2024 (OSP)



**Site A**  
4385A Swiss Garden Damai Laut (AsiaSpace)  
  
LATITUDE: 4.257794°  
LONGTITUDE: 100.5944649°

**Site B**  
A00112 Lumut To Tapping Digi MH 23-  
0093BD\_4358E\_Residensi Lumut to 4409A\_Sg  
Wangi RDD (Manhole Not Found)  
  
LATITUDE: 4.284543°  
LONGTITUDE: 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 3 : OSP Routing Plan
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- Section 5 : 3<sup>rd</sup> 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		12430	Meter
a.	Horizontal Directional Drill (HDD)	12400	Meter
b.	Carriage Way Open Trenching (CW)		Meter
c.	Grass Verge Open Trenching (GV)	30	Meter
d.	Micro Trenching (MT)		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

**3<sup>rd</sup> 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

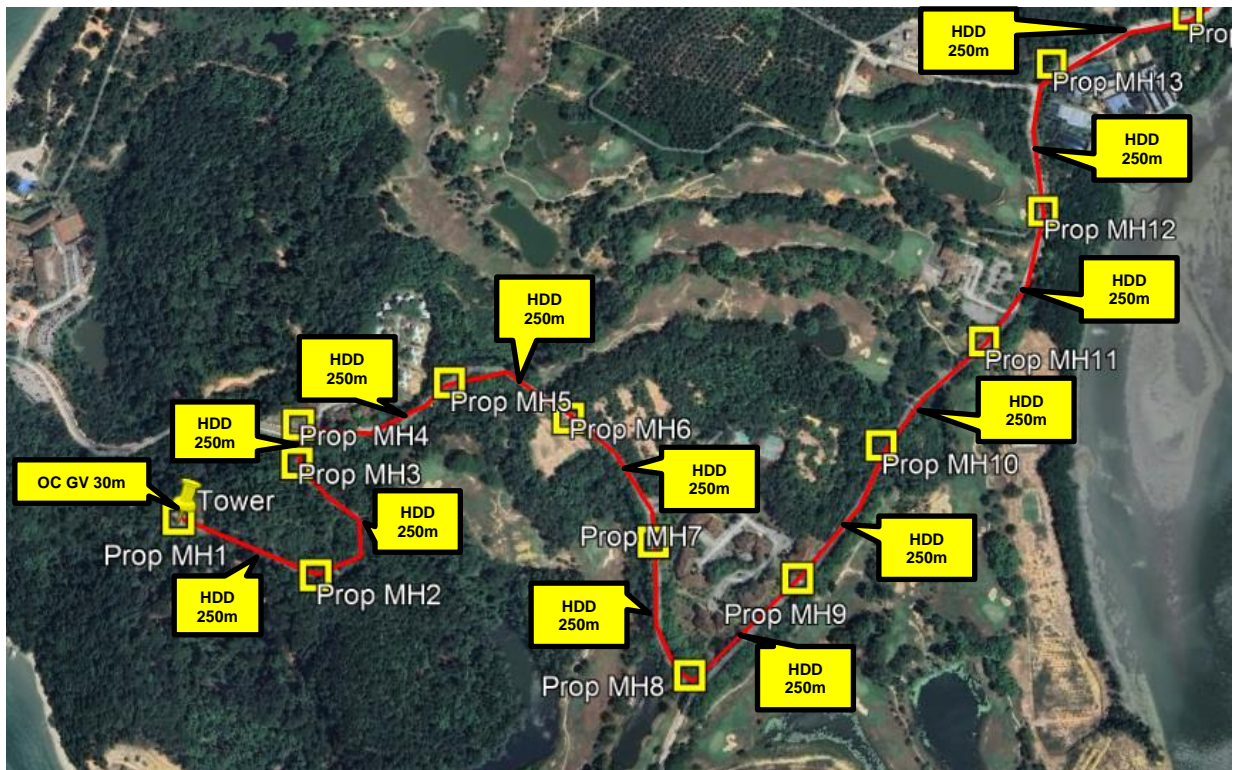
**Other Highlights/Remark**

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**

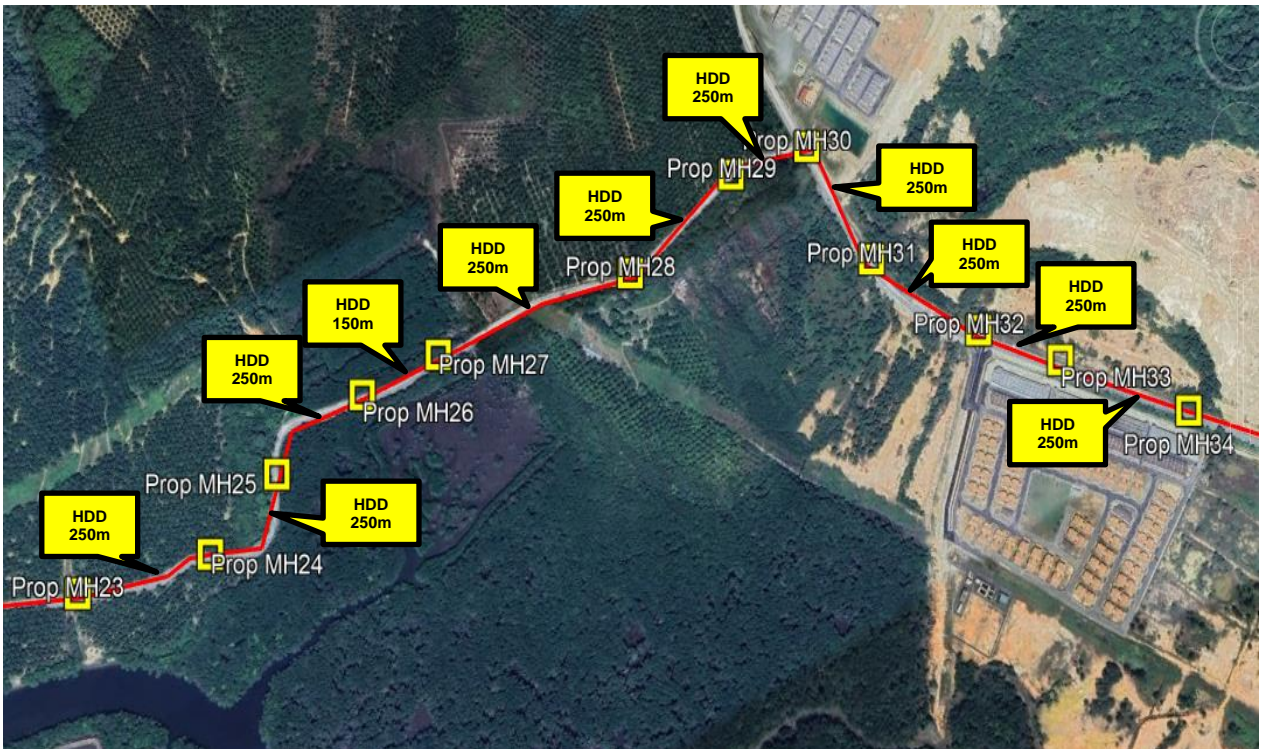


**PROPOSED KMZ**

### Section 3 : OSP Routing Plan



**PROPOSED KMZ**

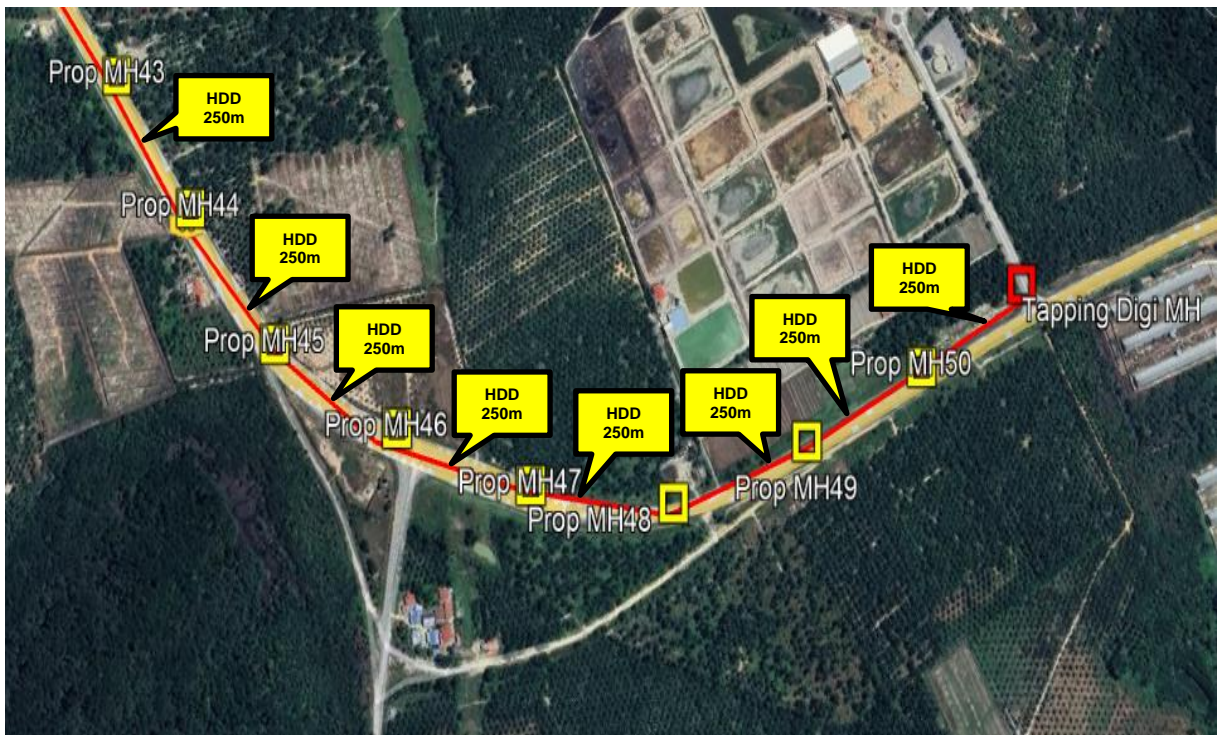


**PROPOSED KMZ**

### Section 3 : OSP Routing Plan



**PROPOSED KMZ**



**PROPOSED KMZ**

## Section 3 : OSP Routing Plan

PROPOSED MANHOLE COORDINATE		
MANHOLE NUMBER	LATITUDE	LONGITUDE
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

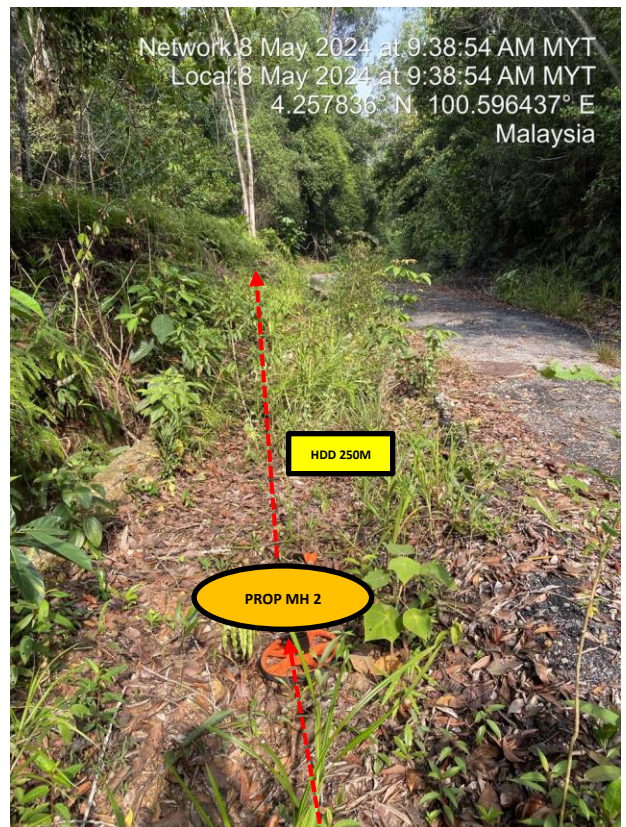
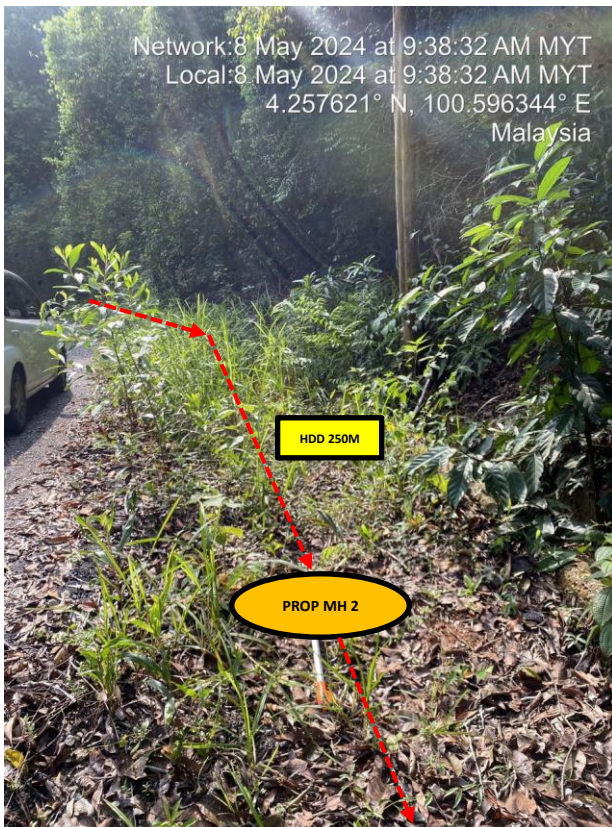
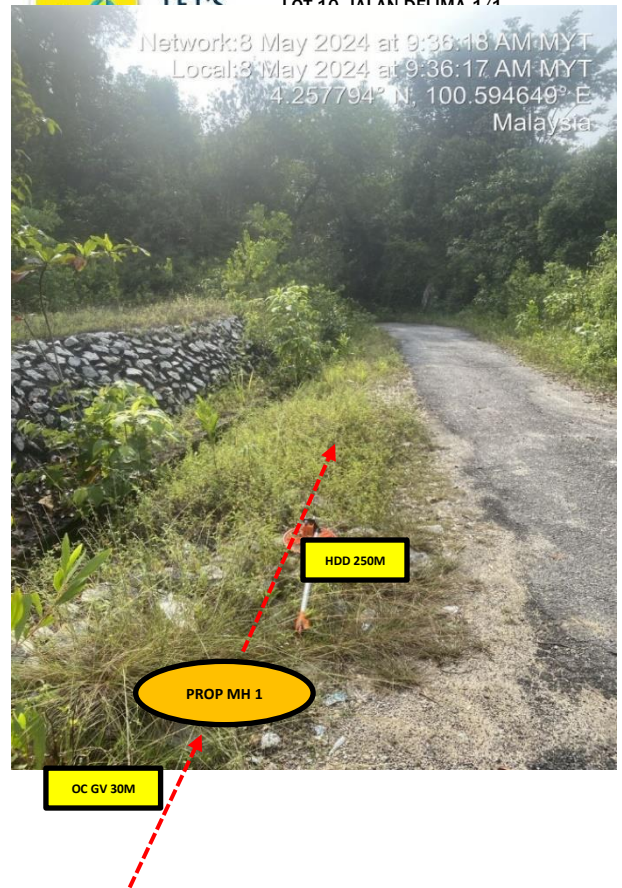
### Section 3 : OSP Routing Plan

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

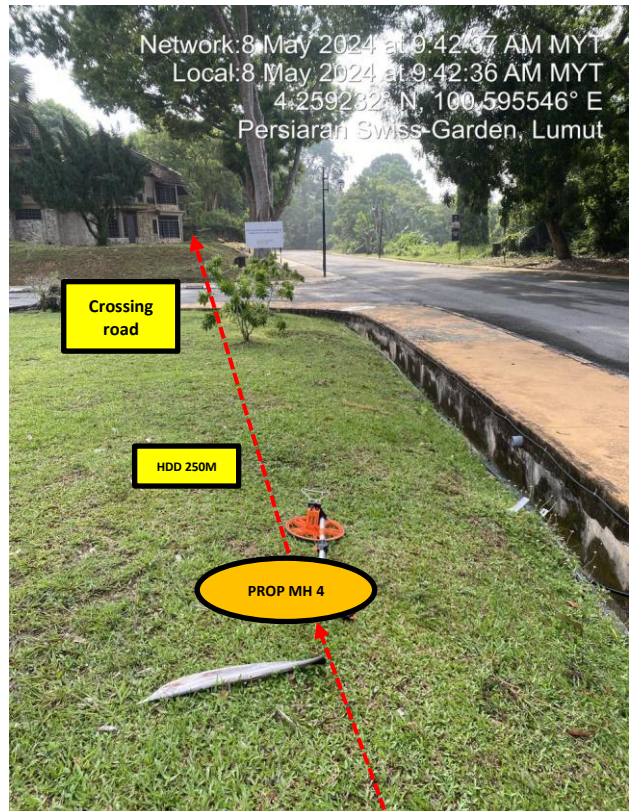
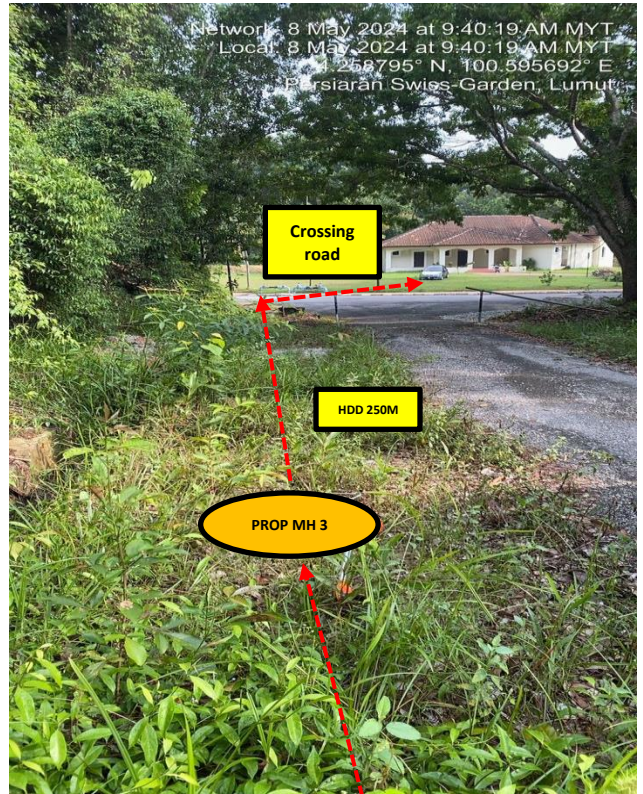
### Section 3 : OSP Routing Plan

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_Residen si Lumut to 4409A_Sg Wangi RDD	4.284543	100.640195

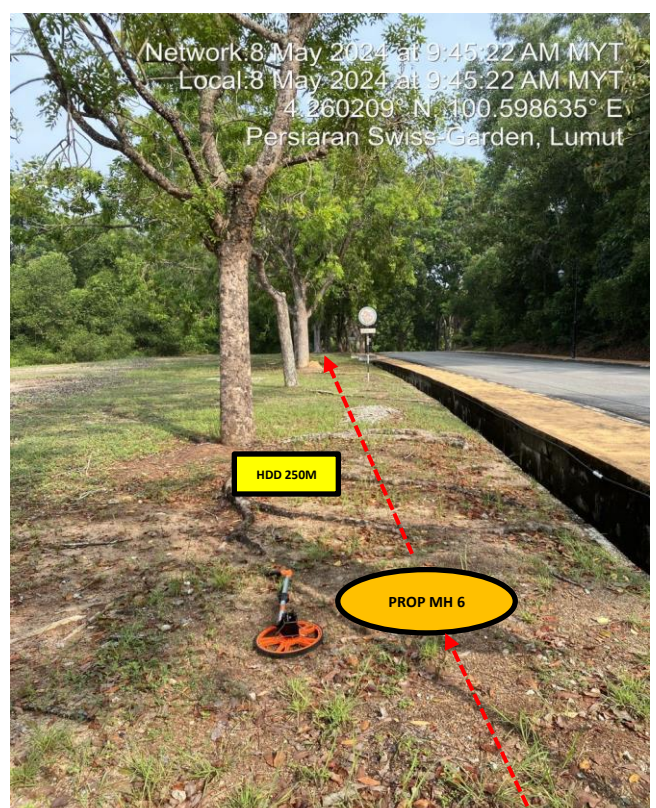
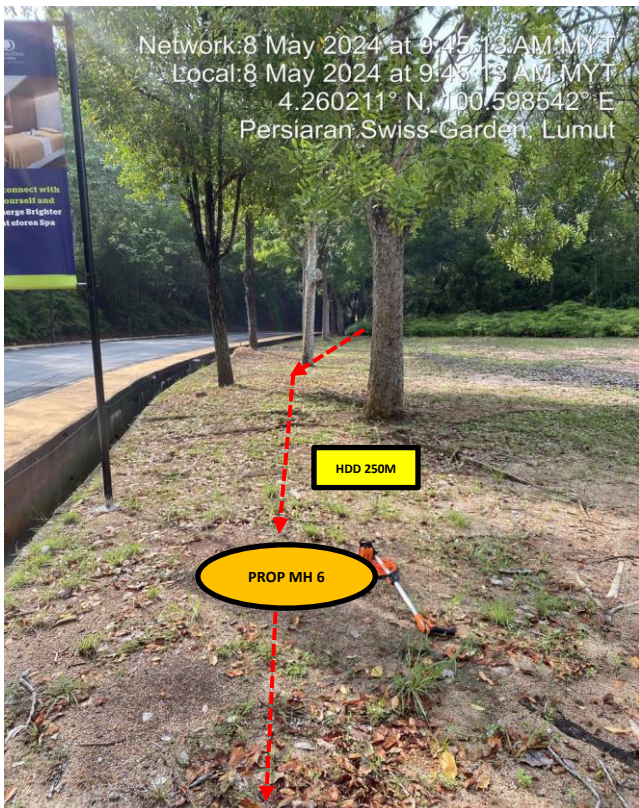
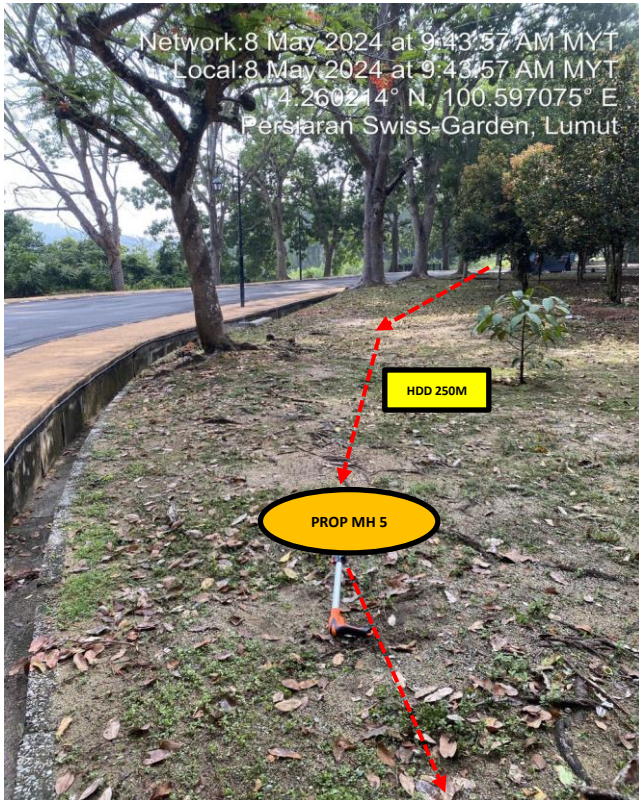
**Section 4: OSP Snapshot for new route**



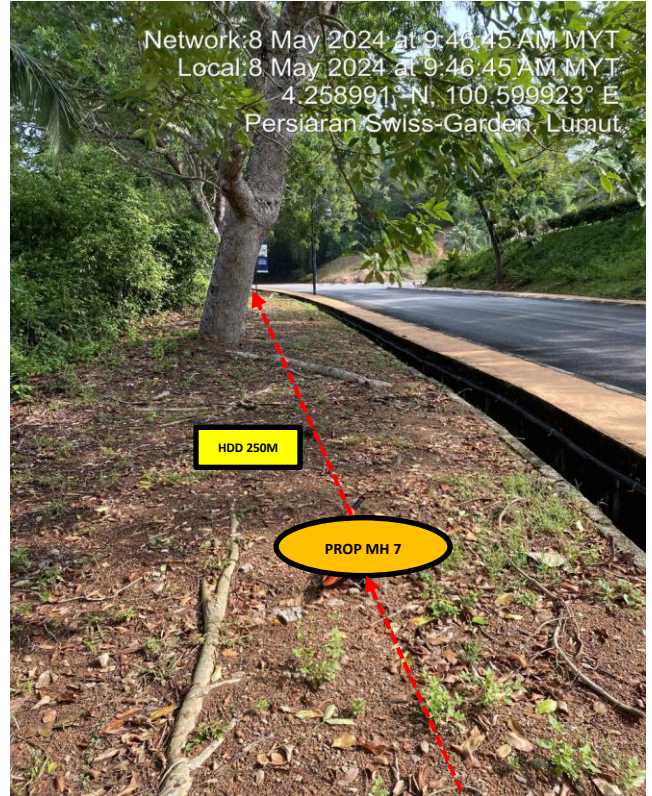
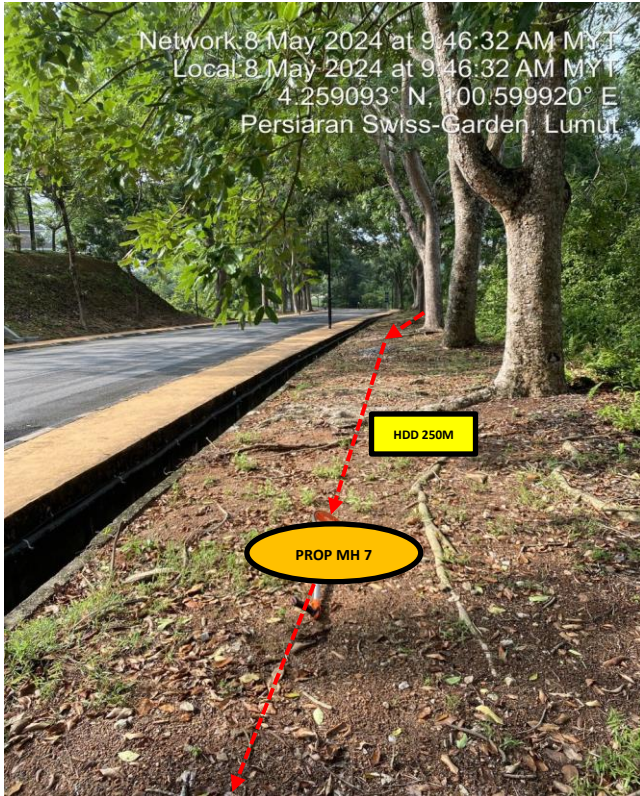
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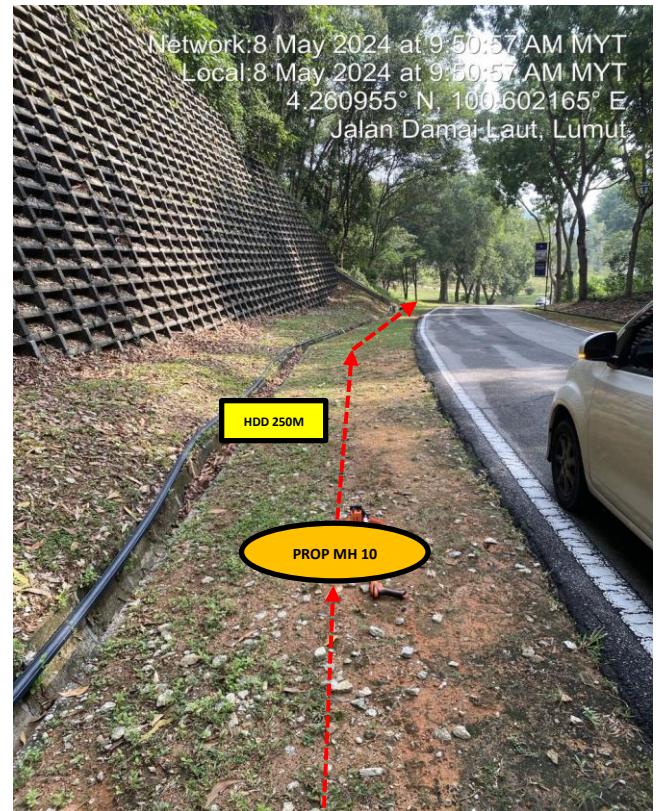
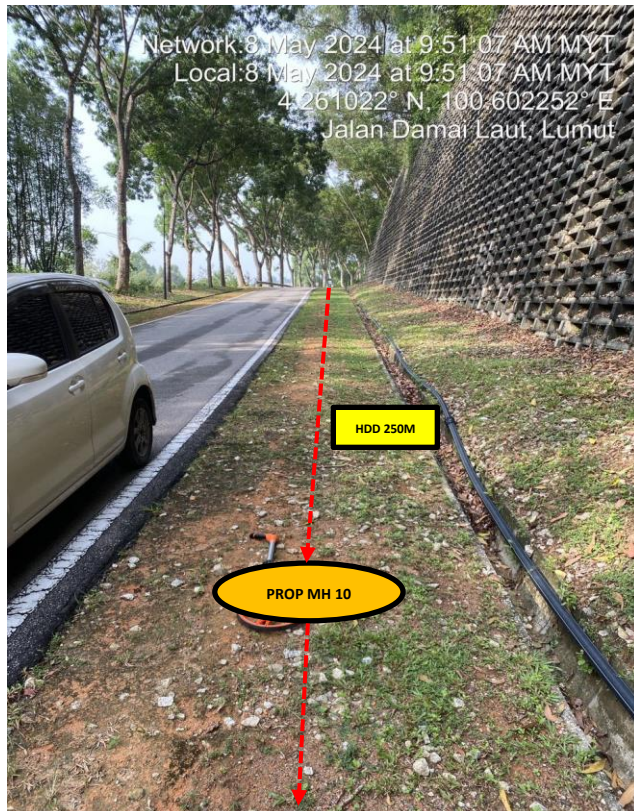
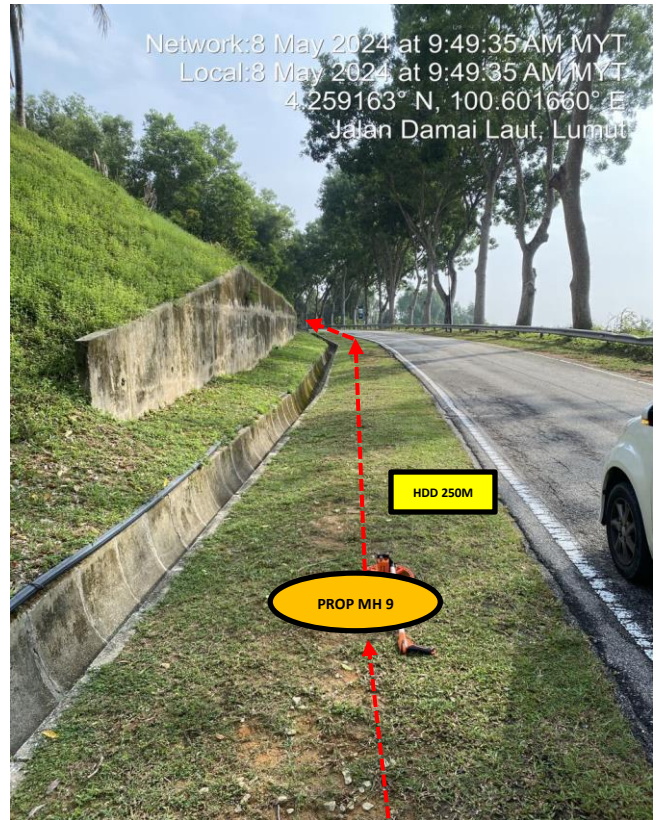
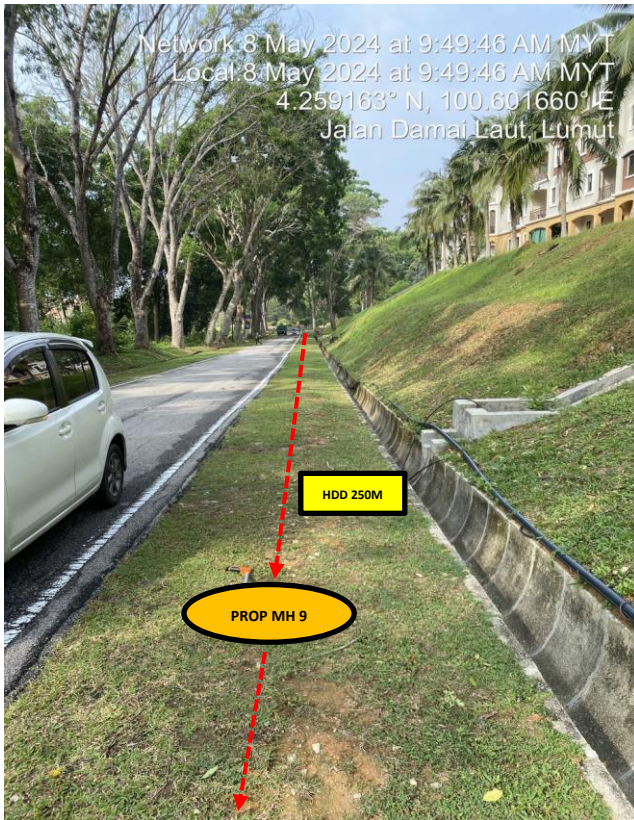
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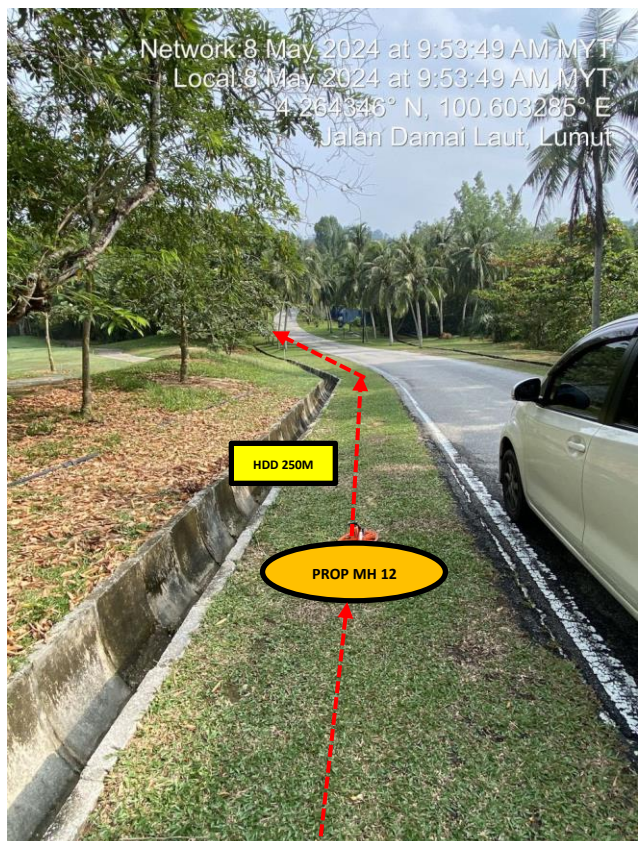
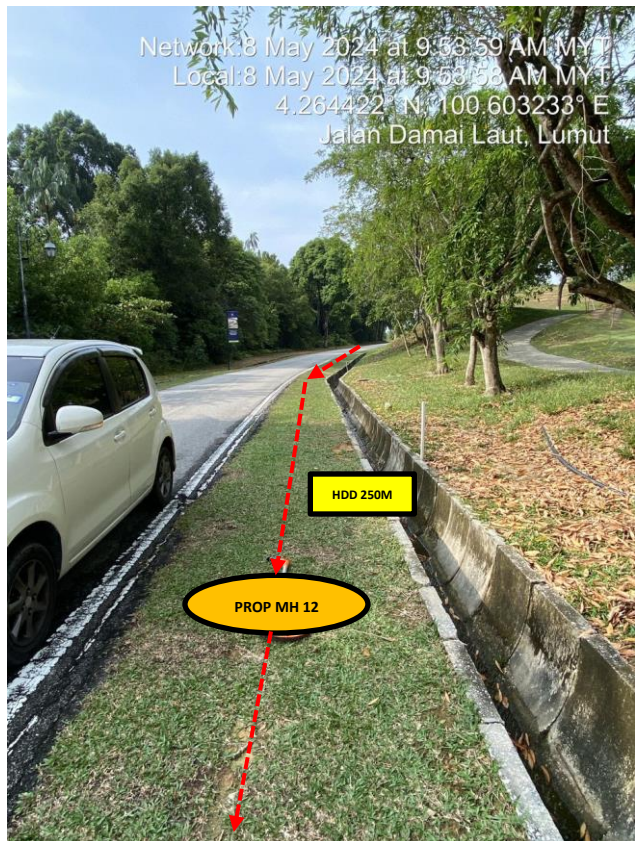
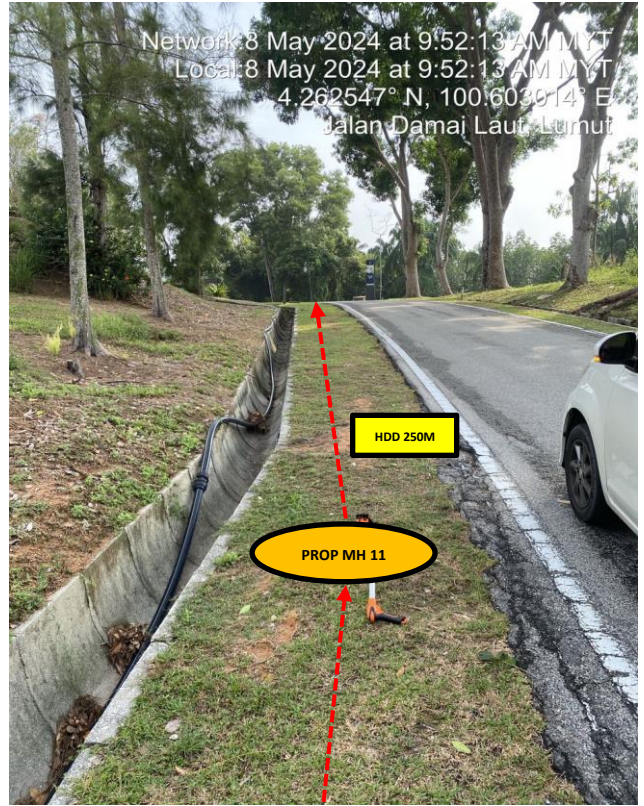
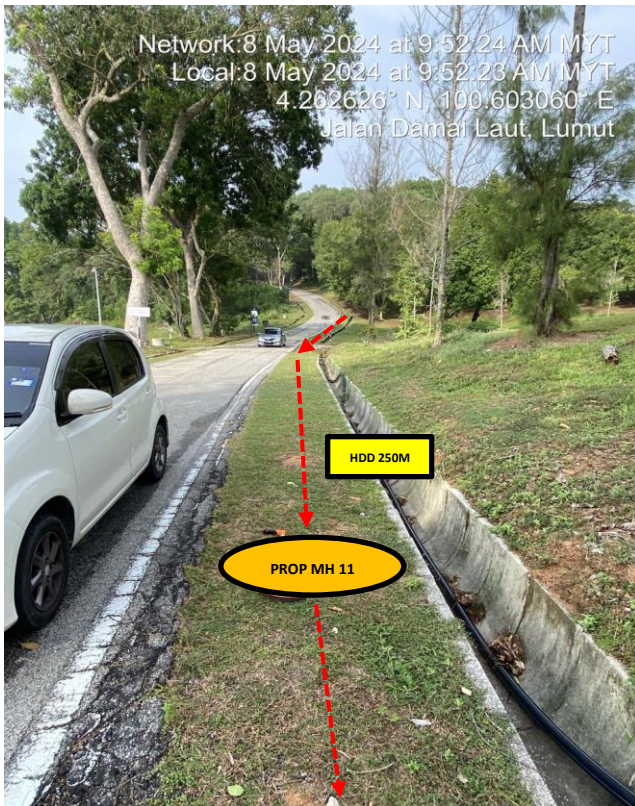
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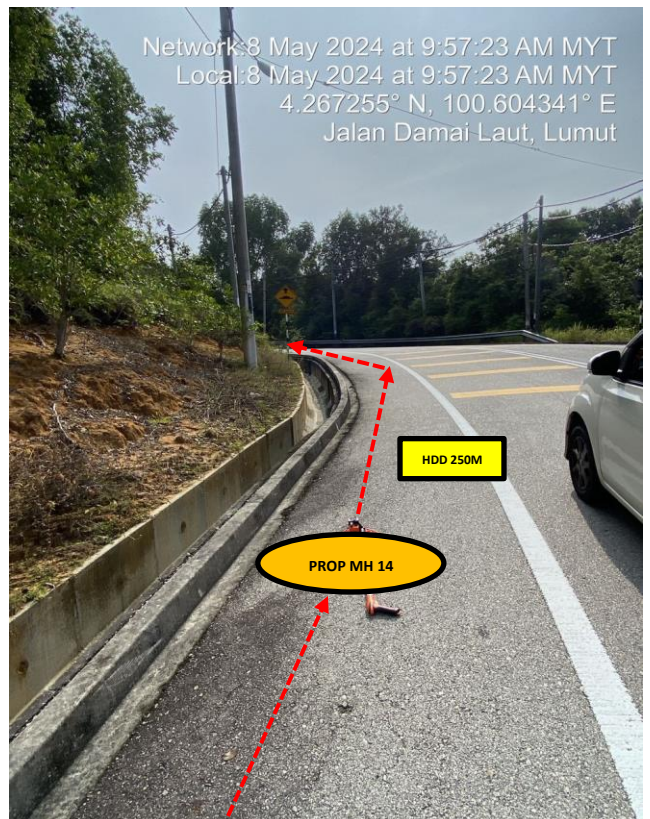
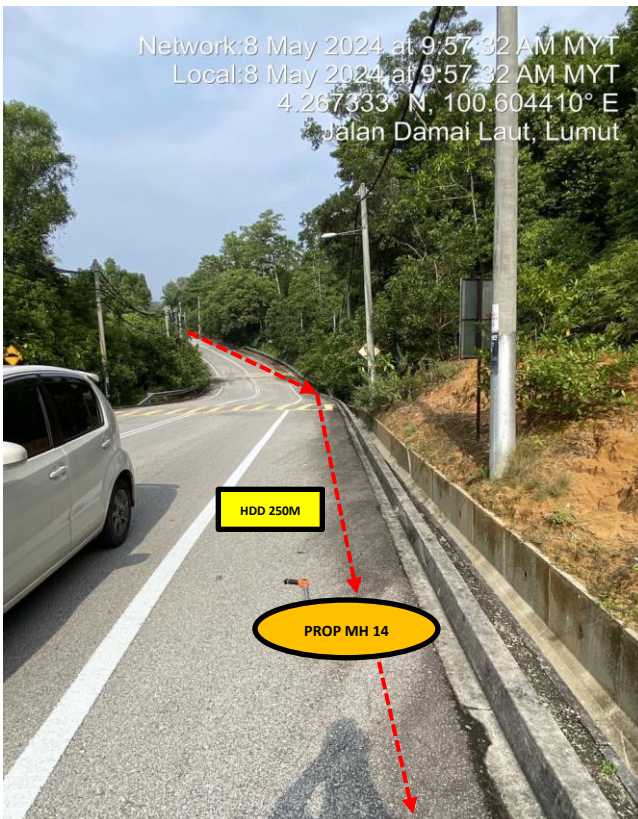
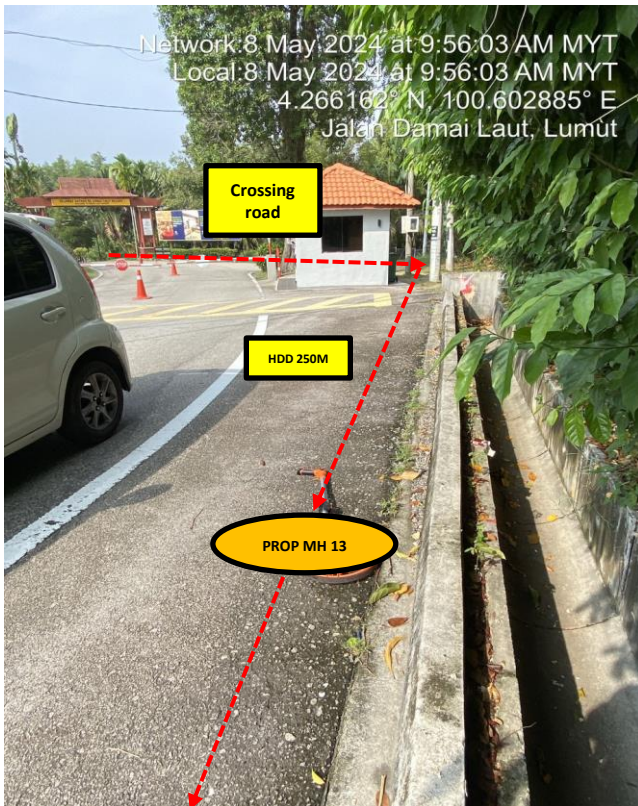
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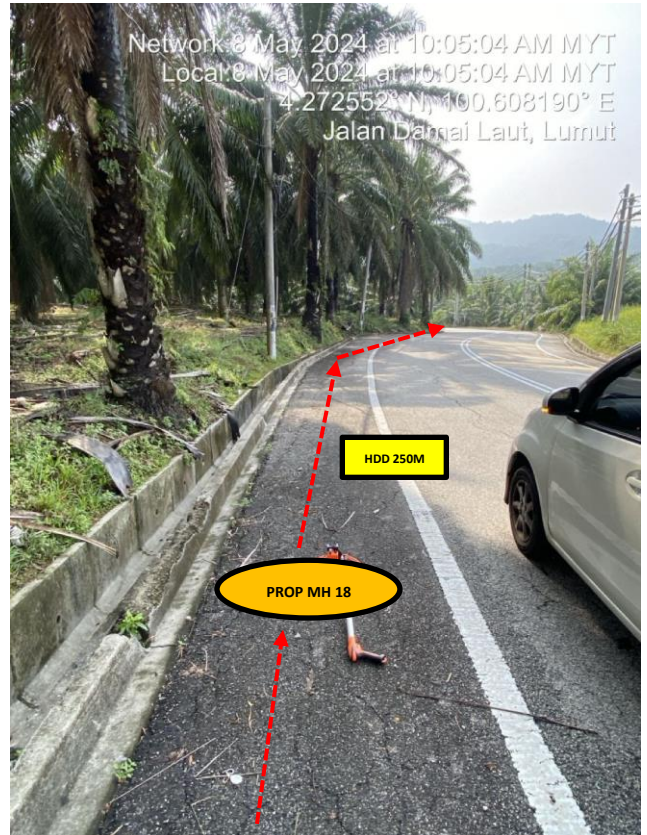
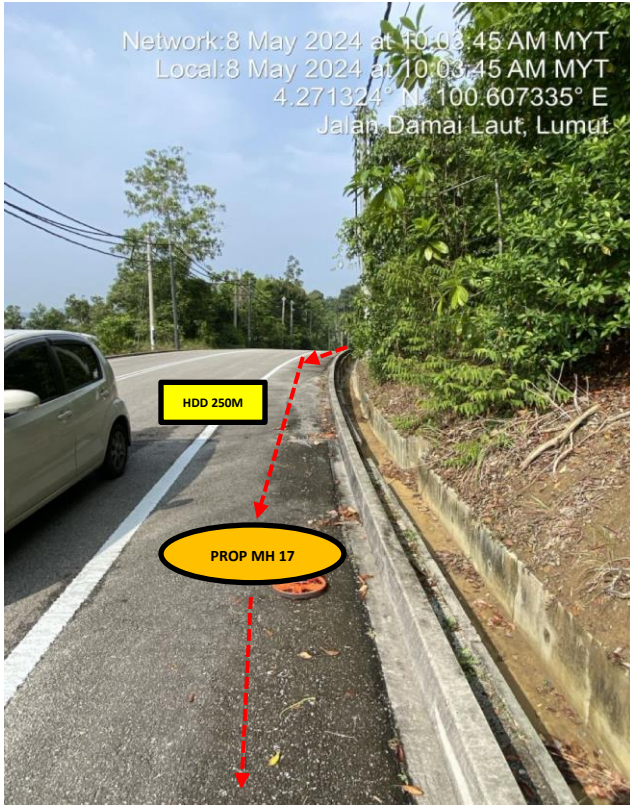
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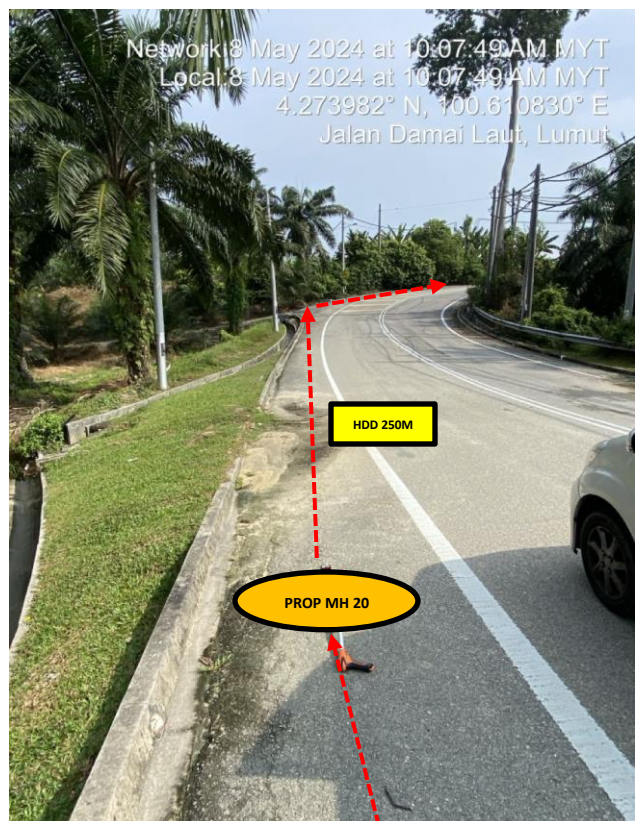
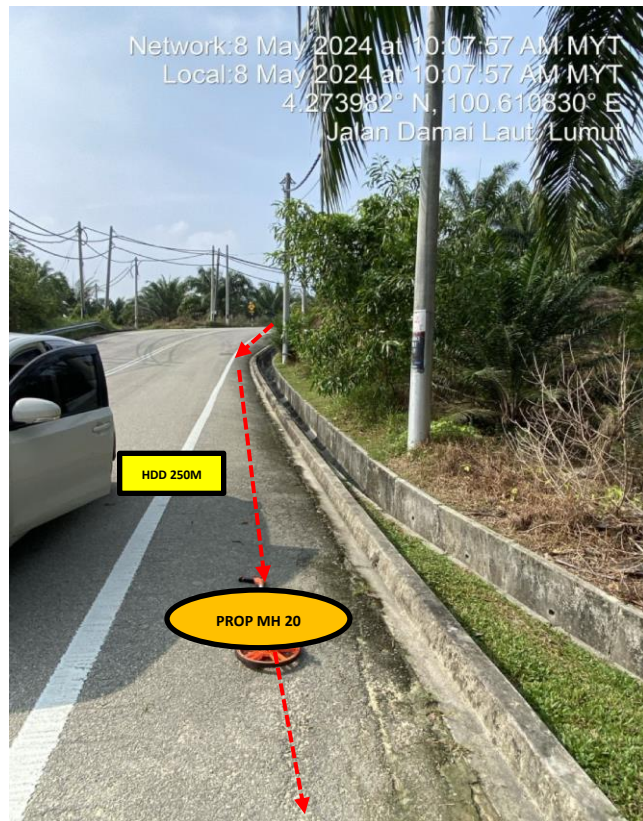
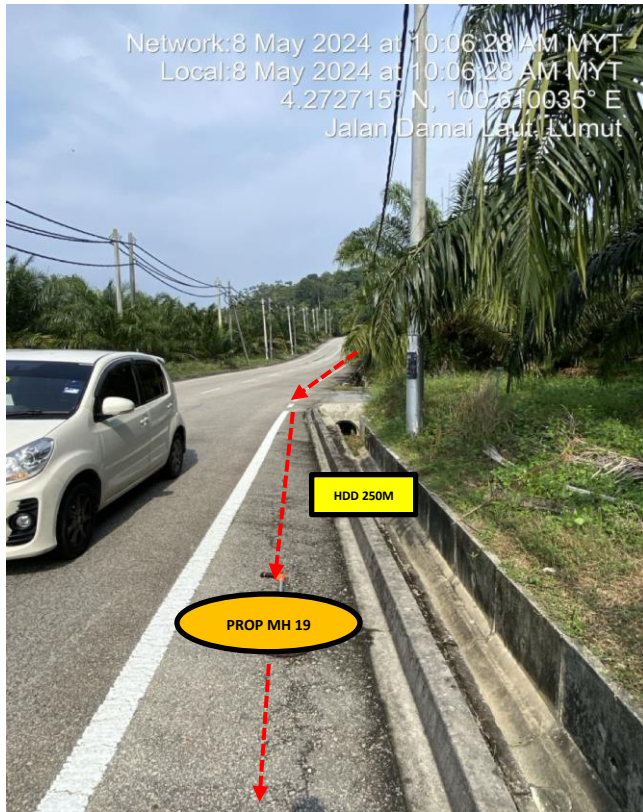
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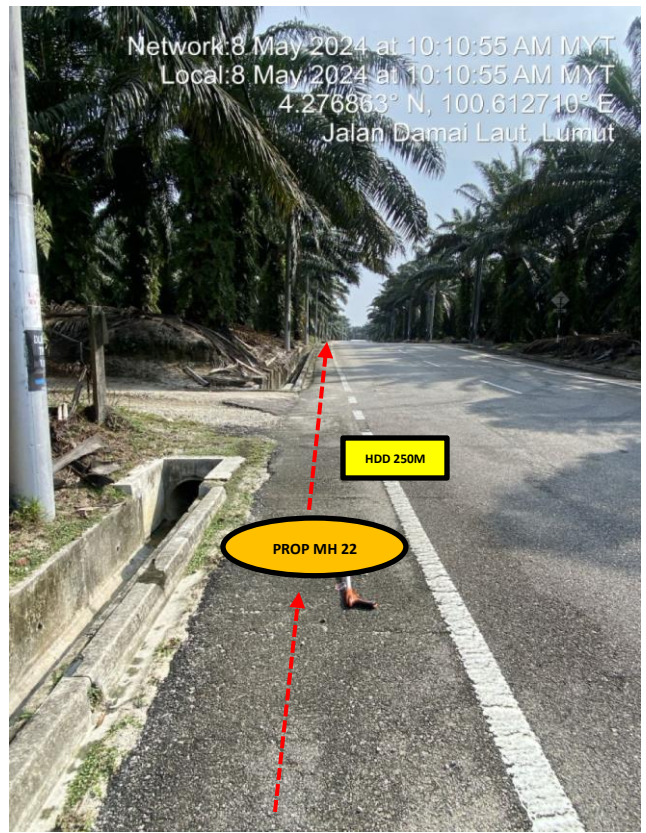
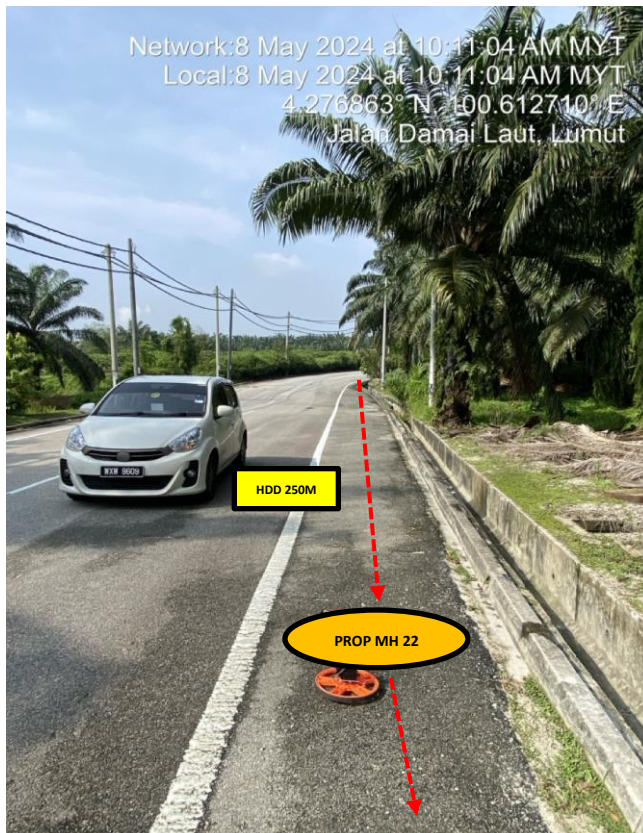
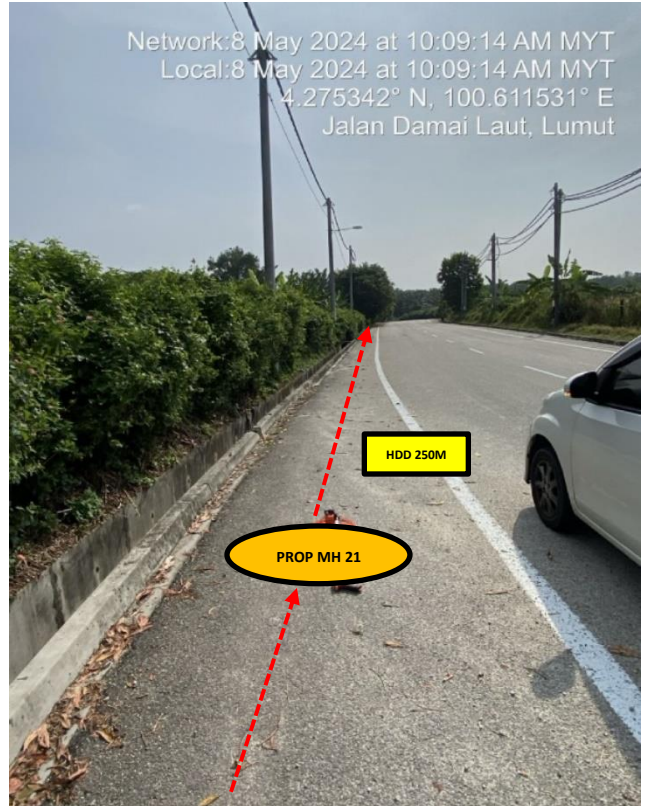
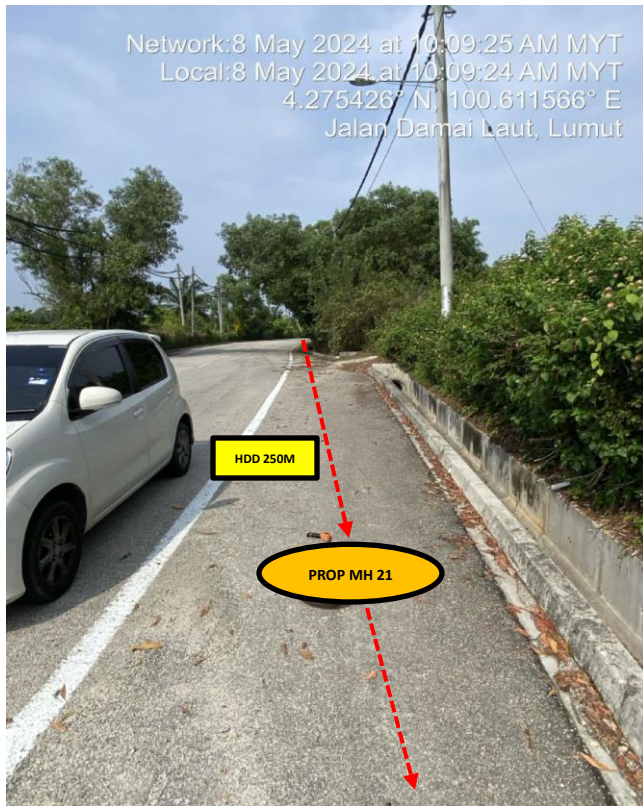
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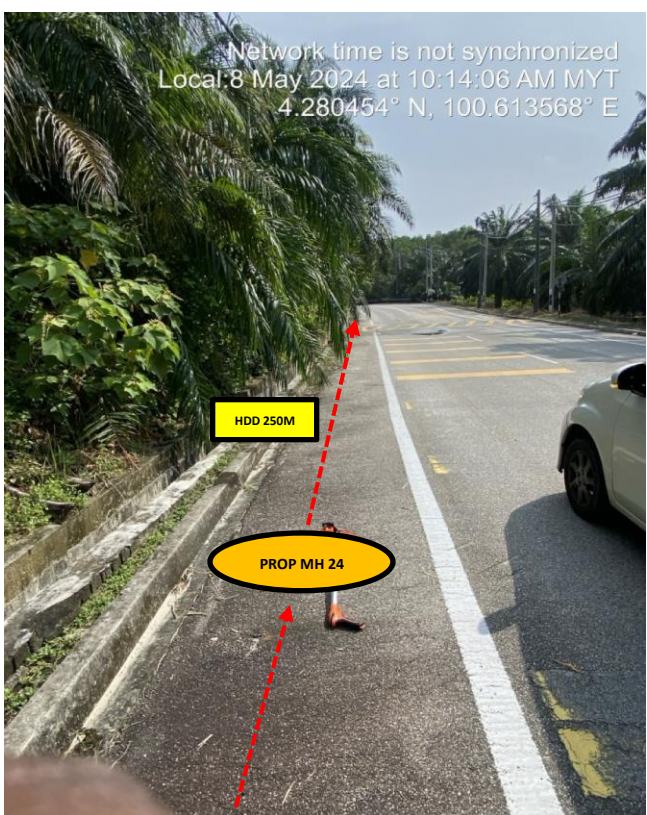
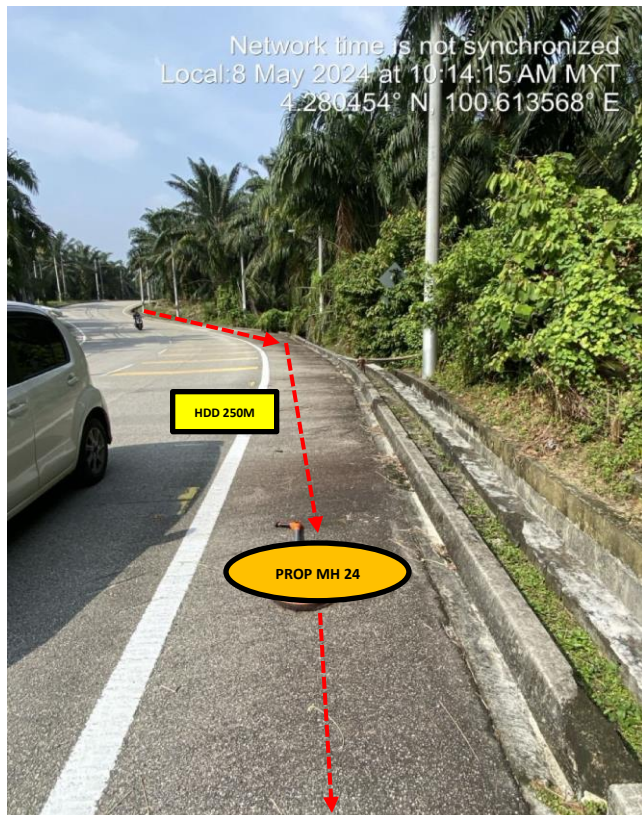
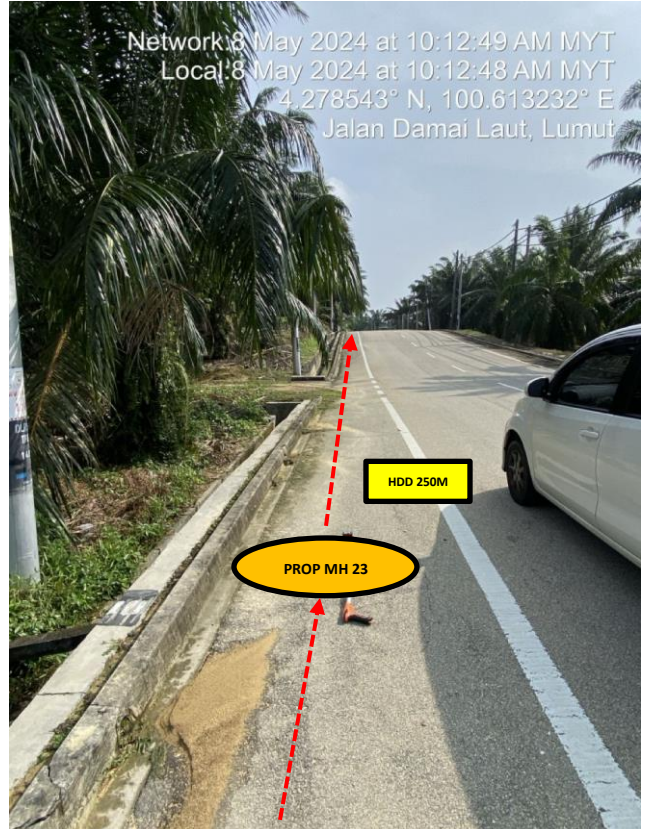
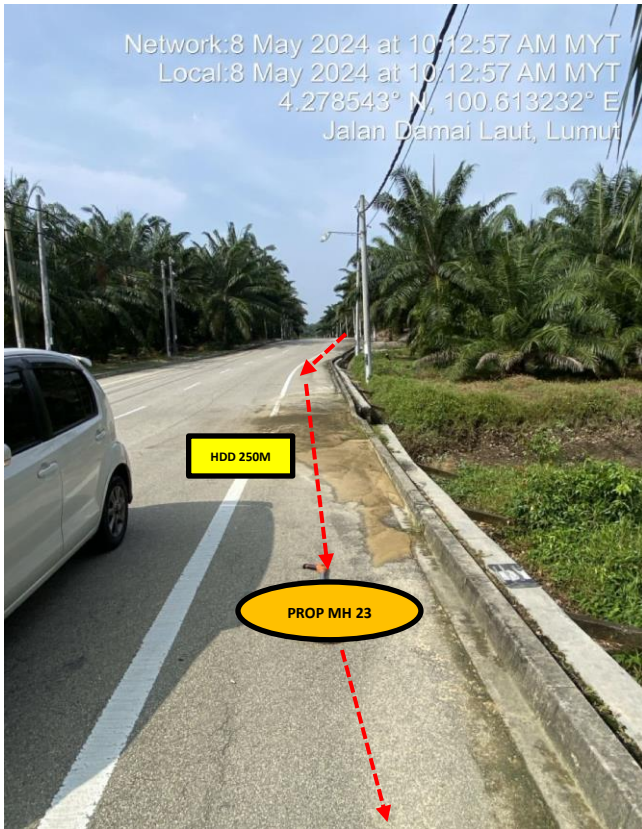
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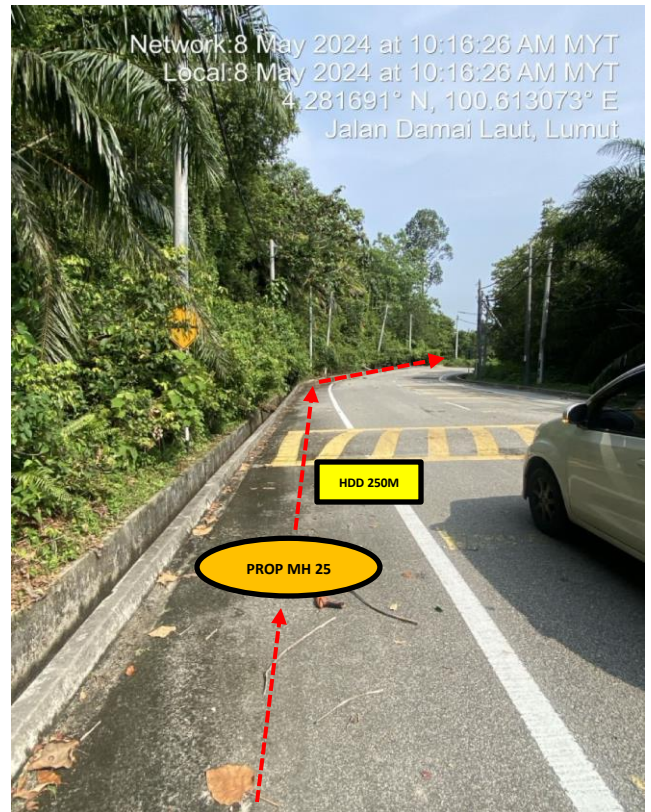
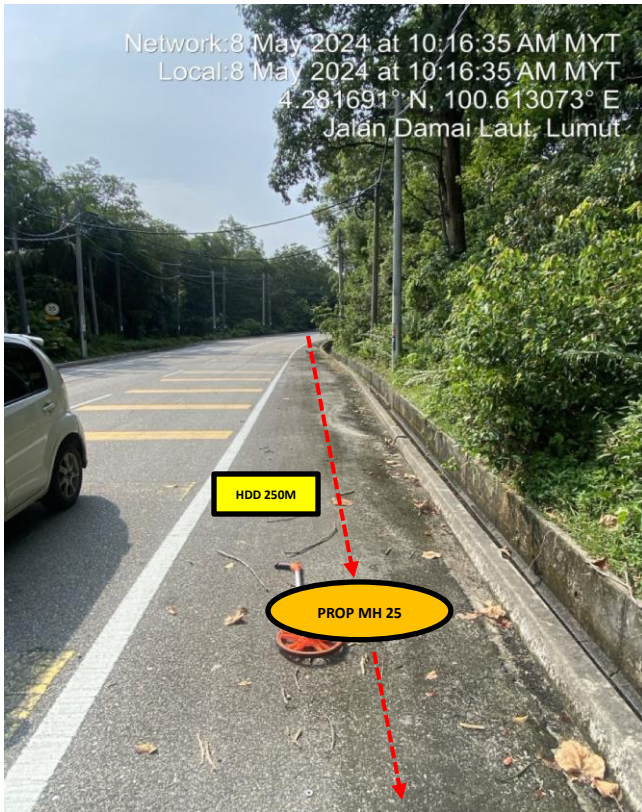
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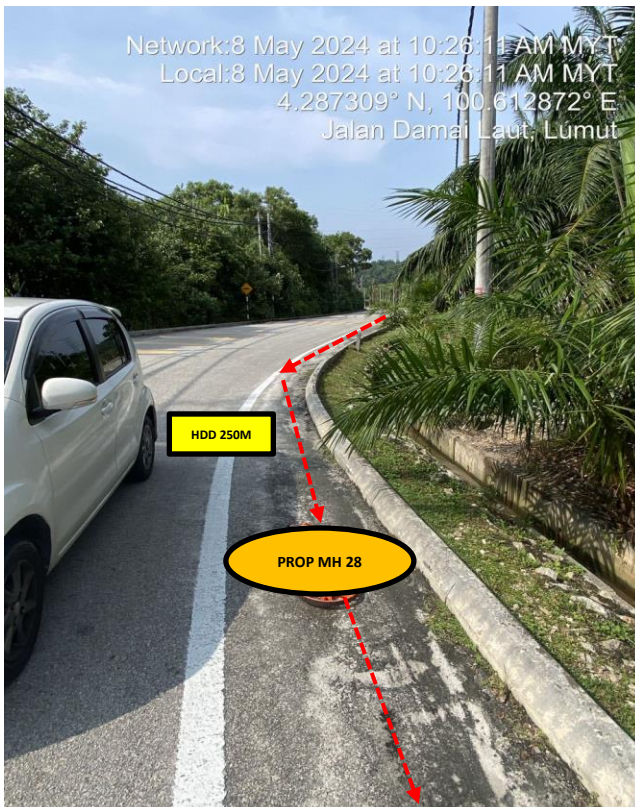
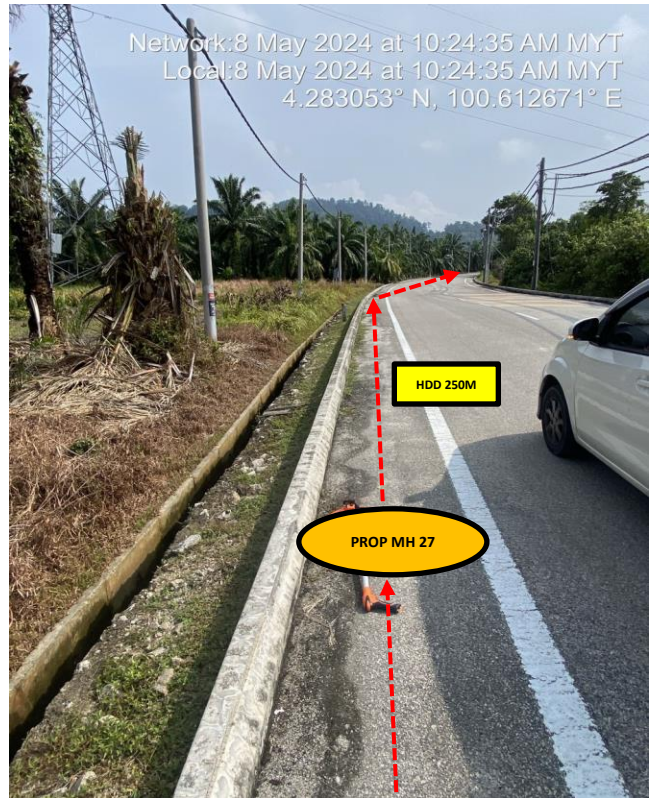
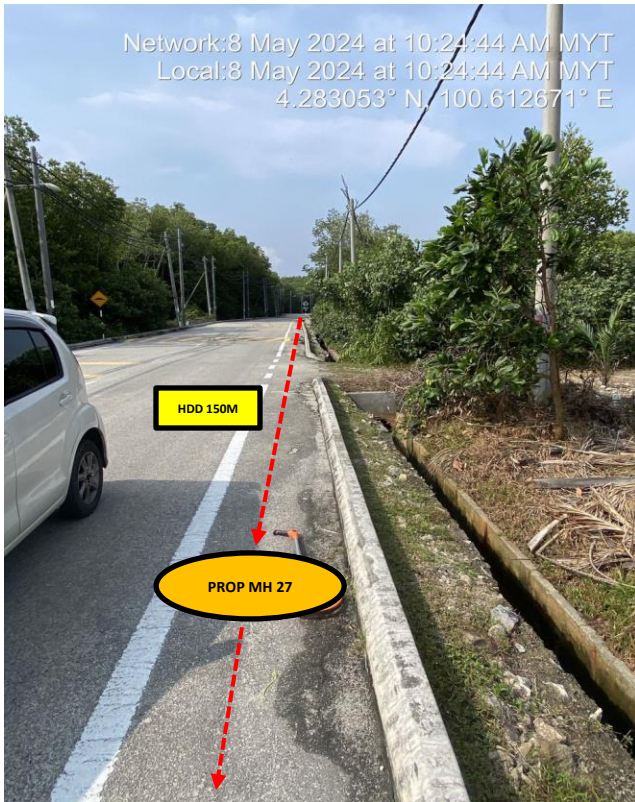
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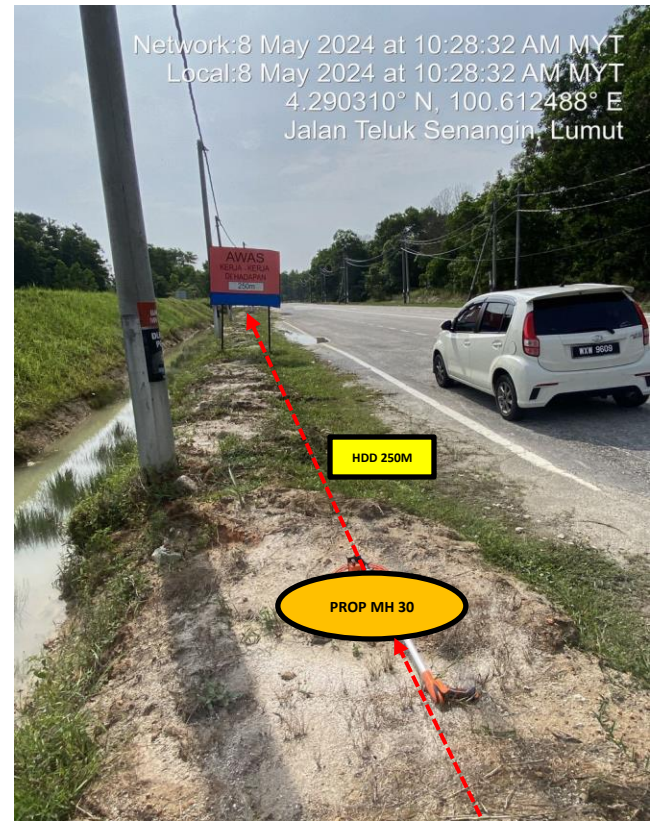
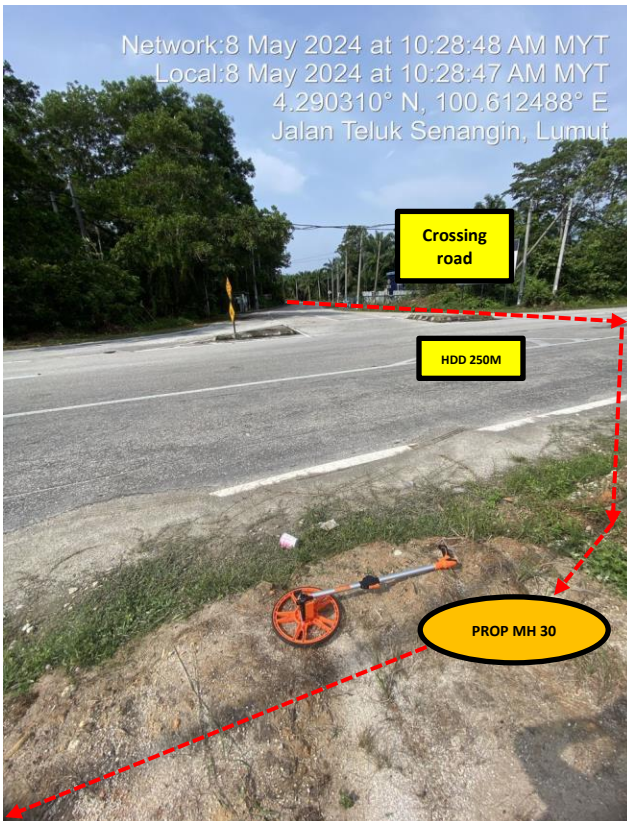
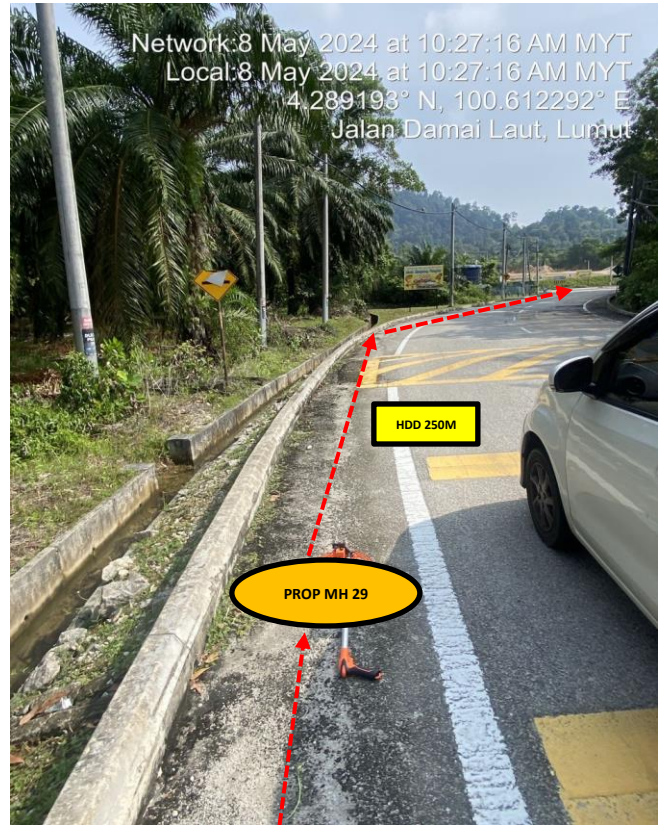
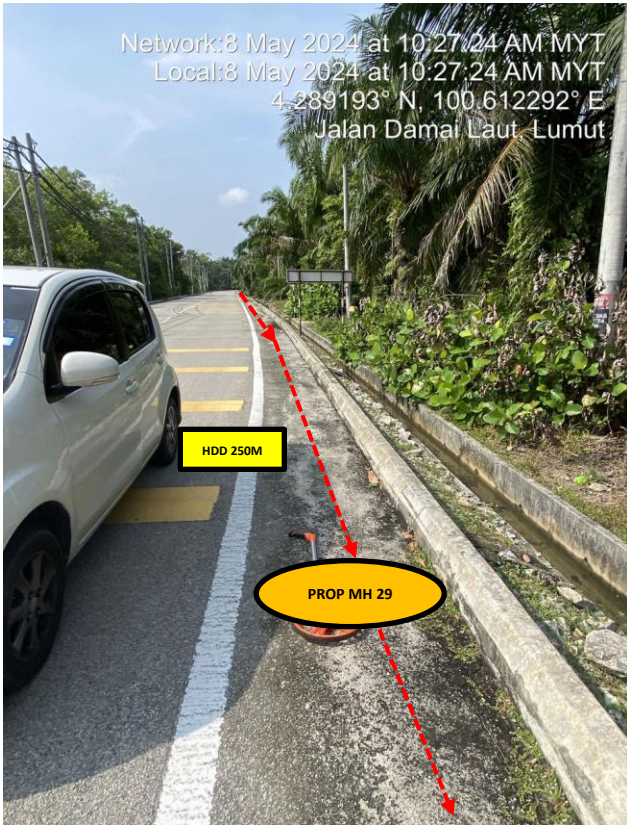
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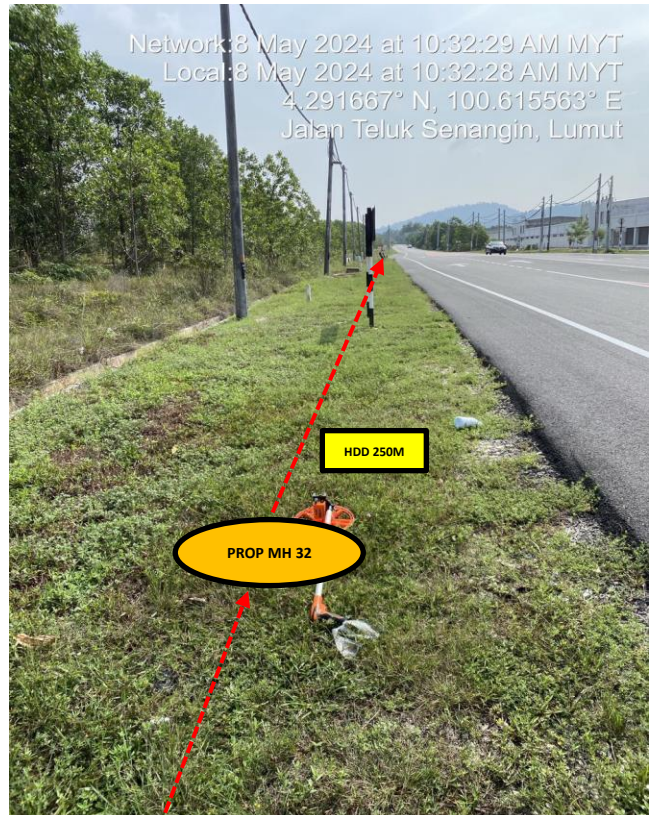
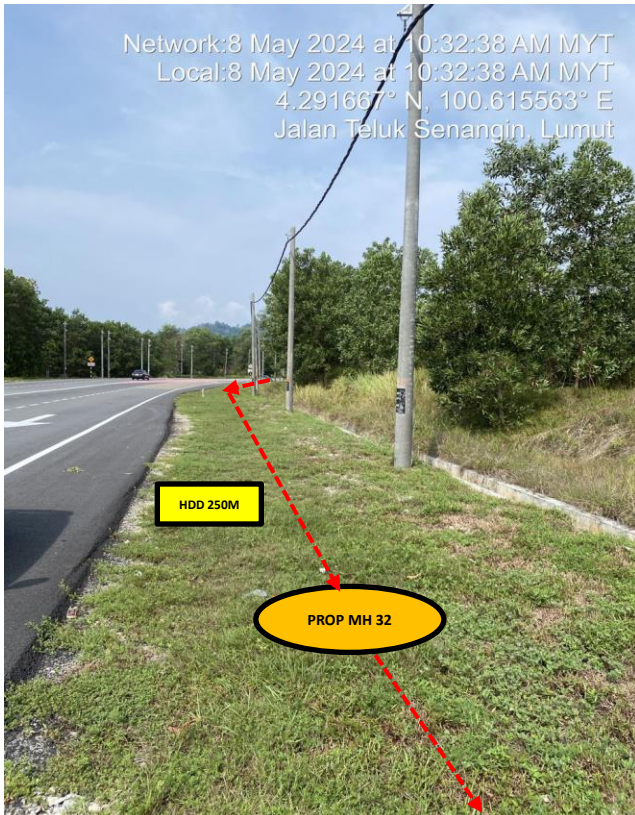
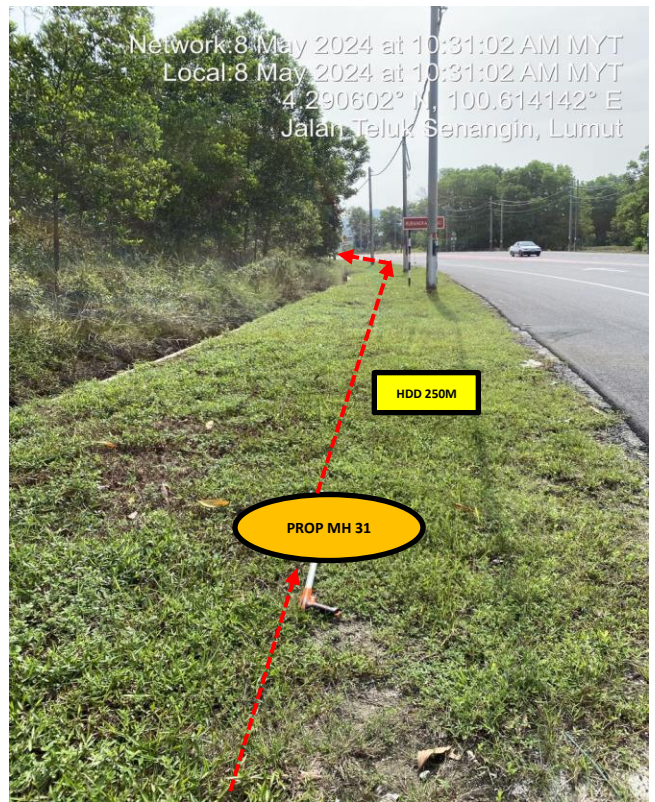
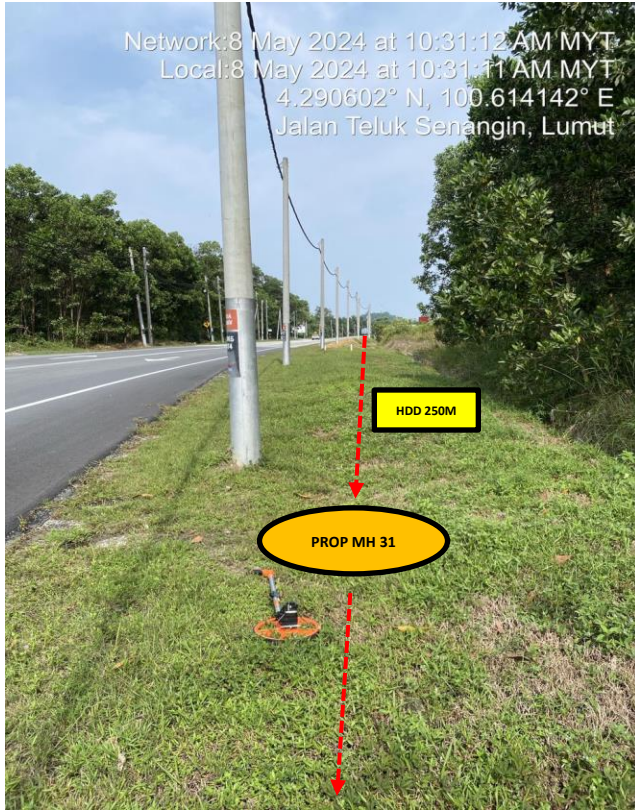
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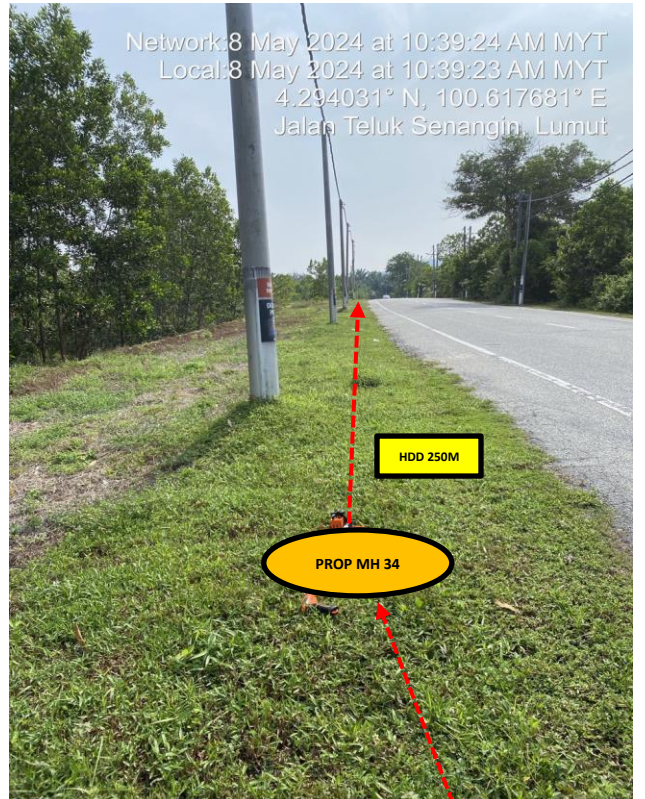
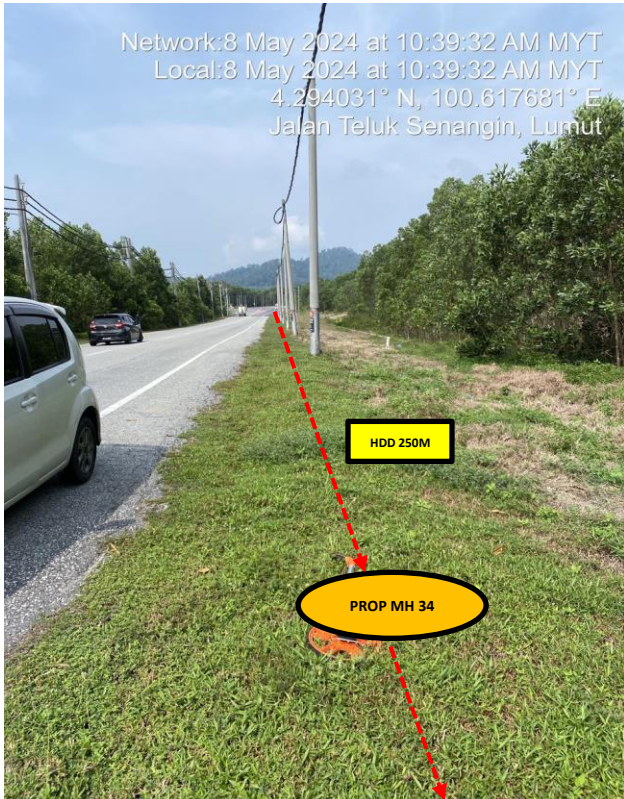
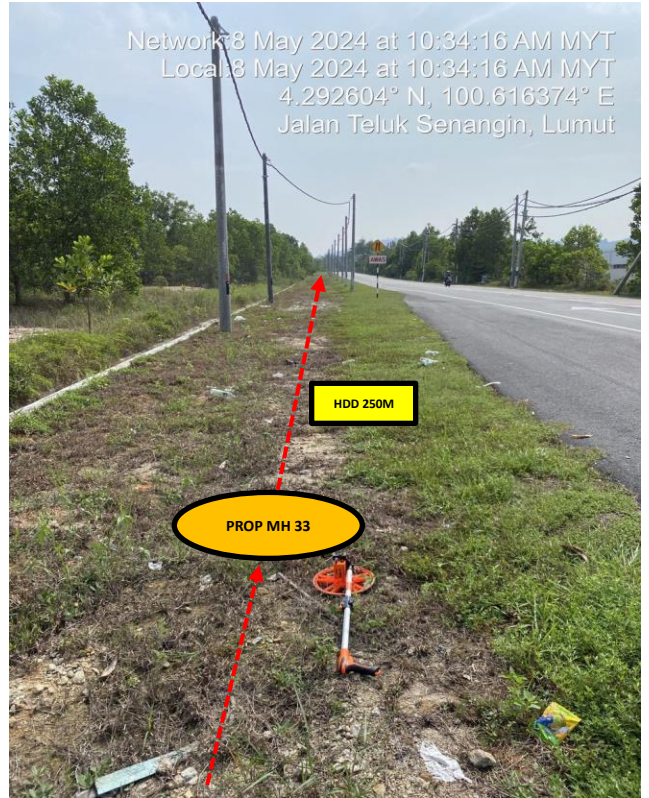
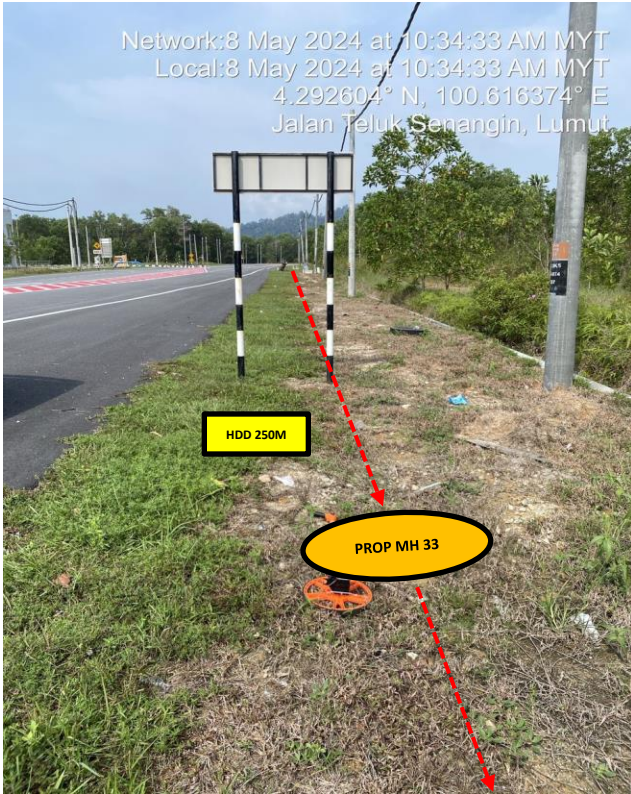
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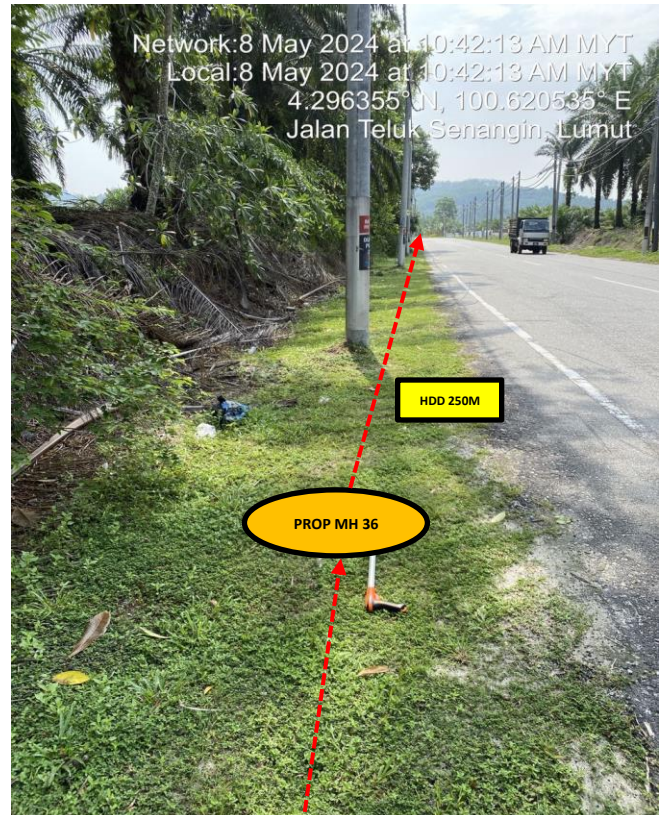
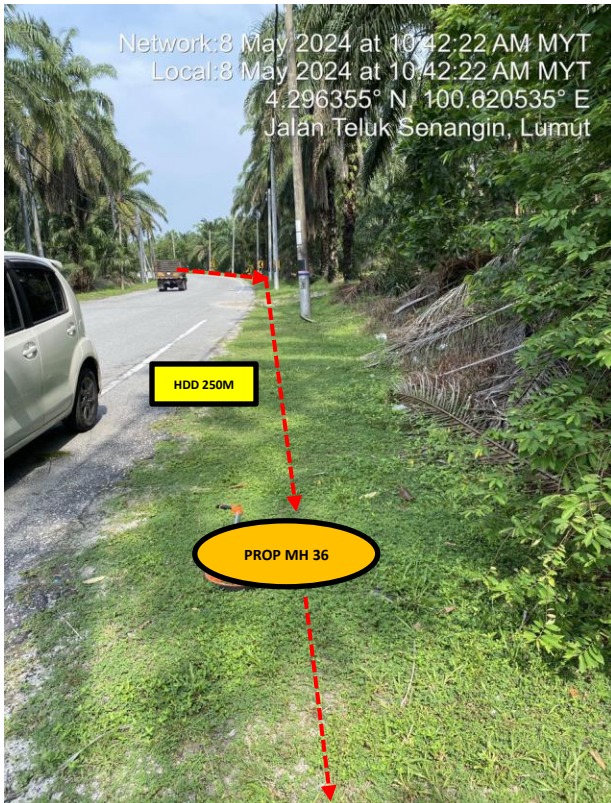
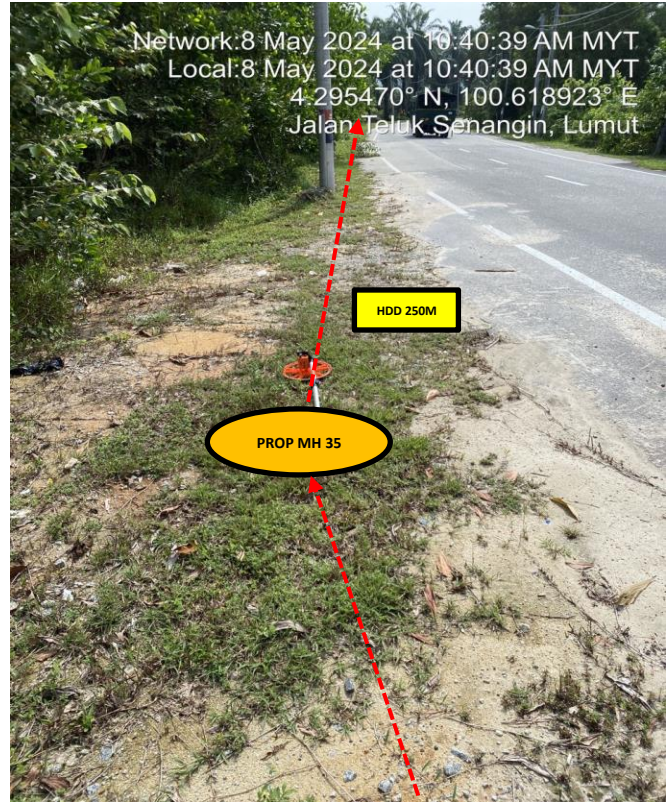
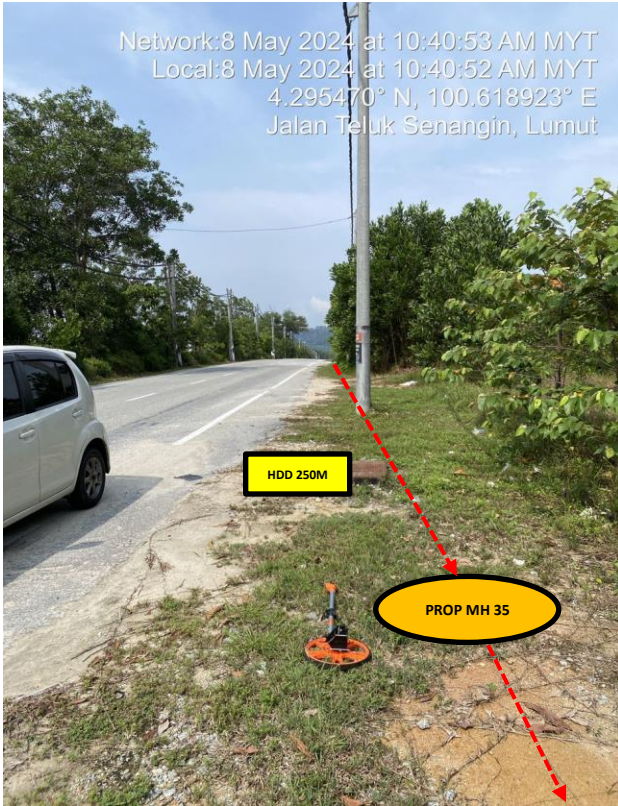
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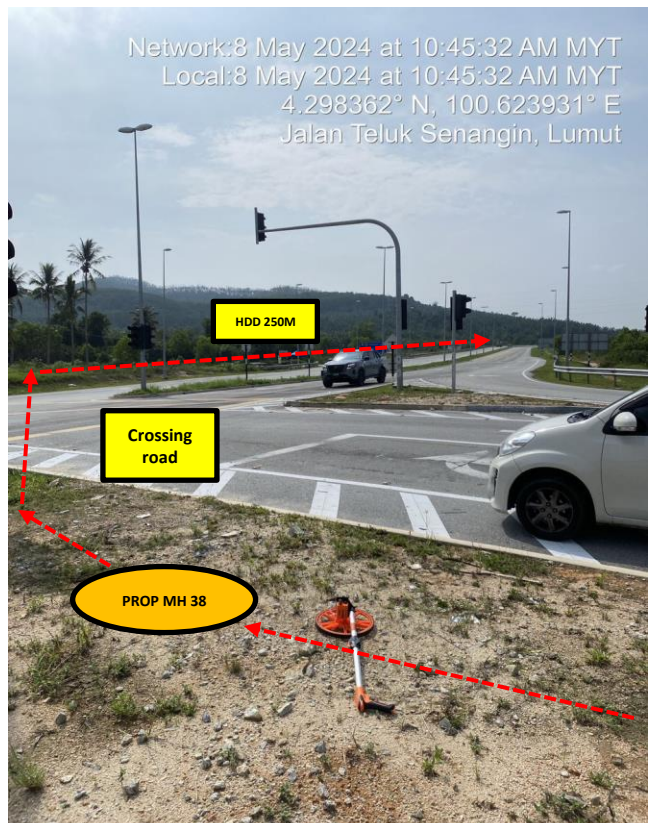
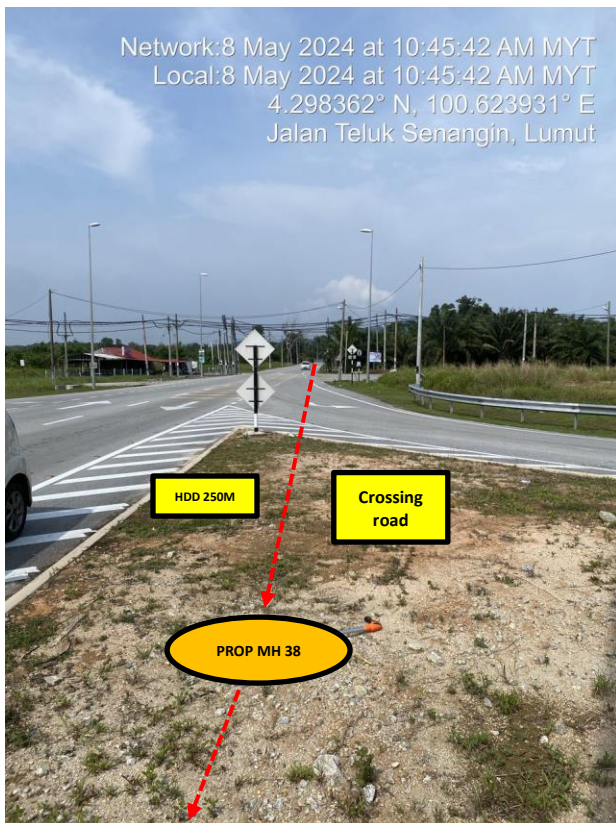
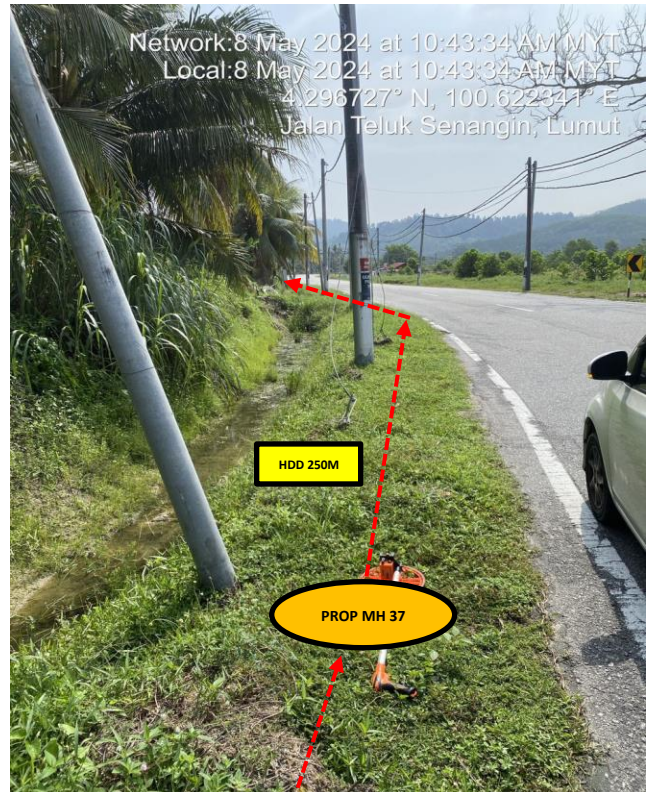
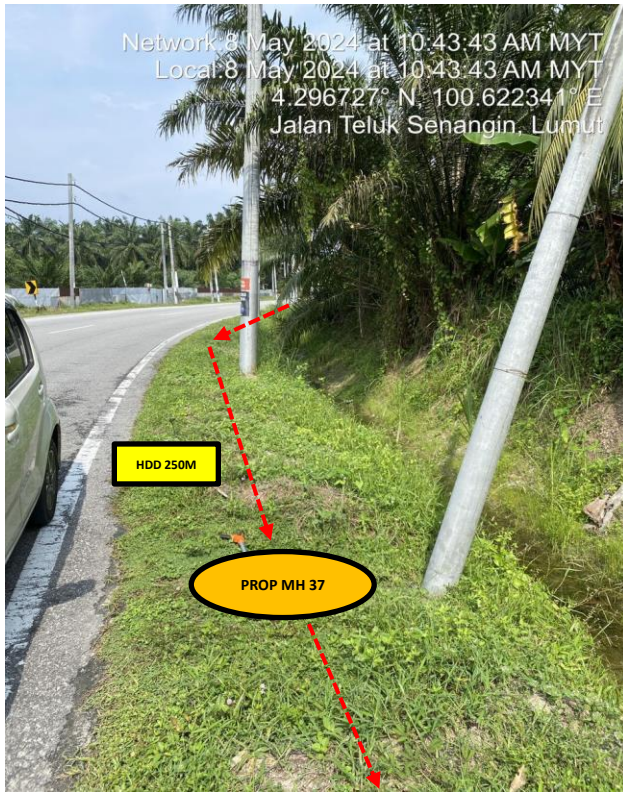
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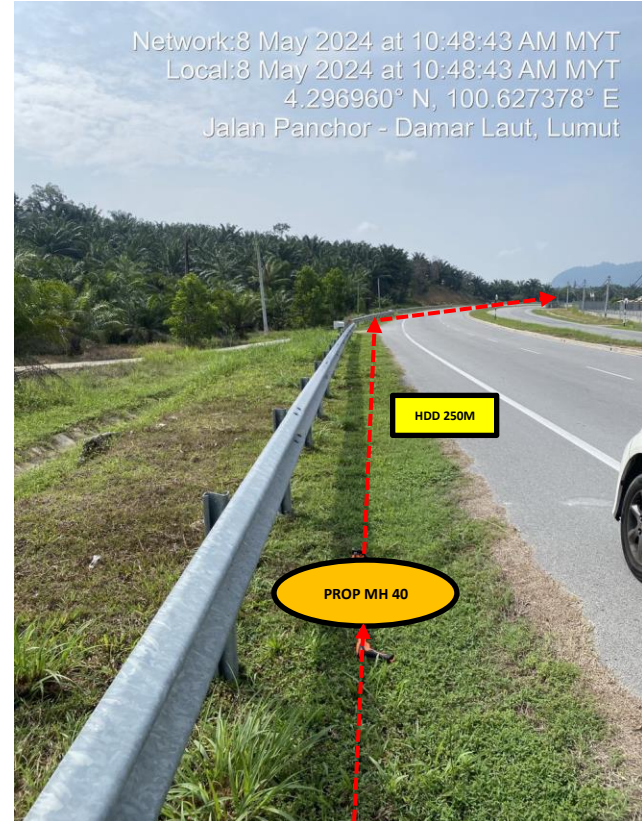
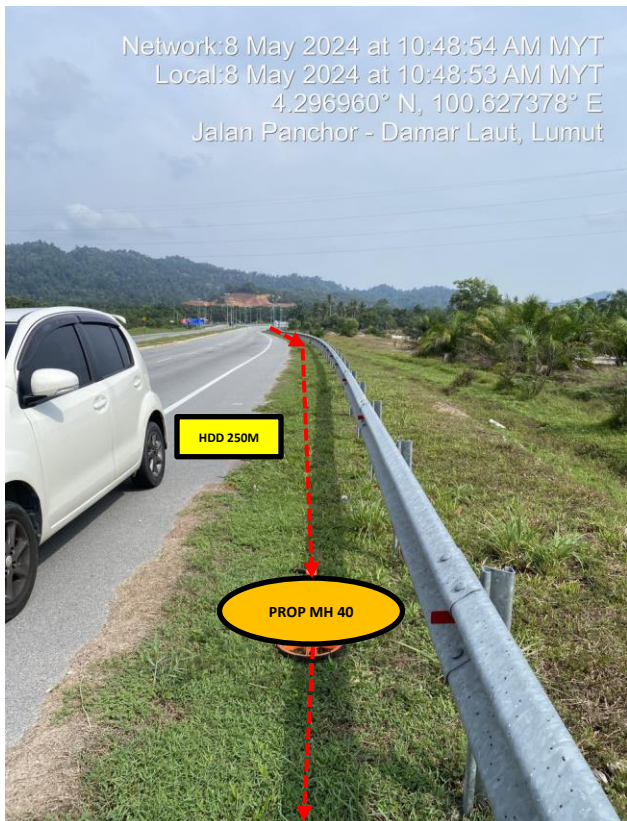
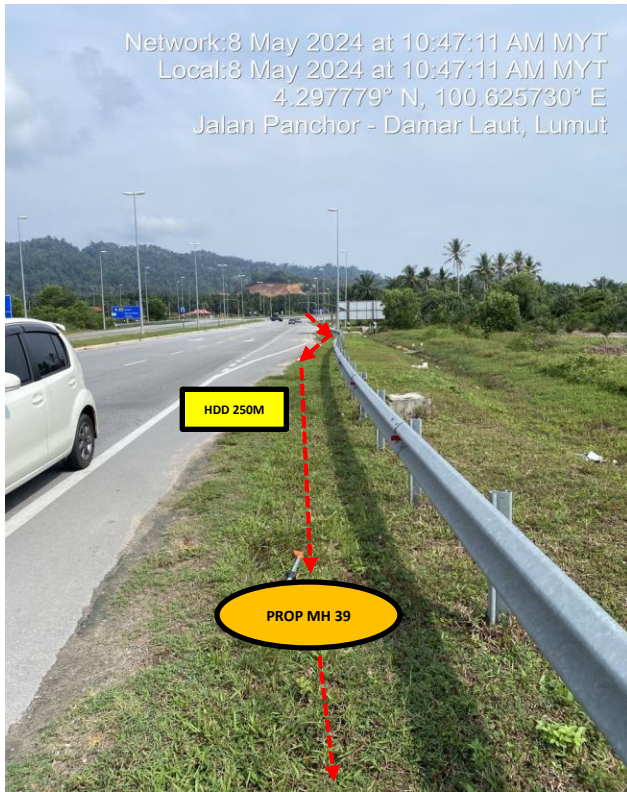
### Section 4: OSP Snapshot for new route



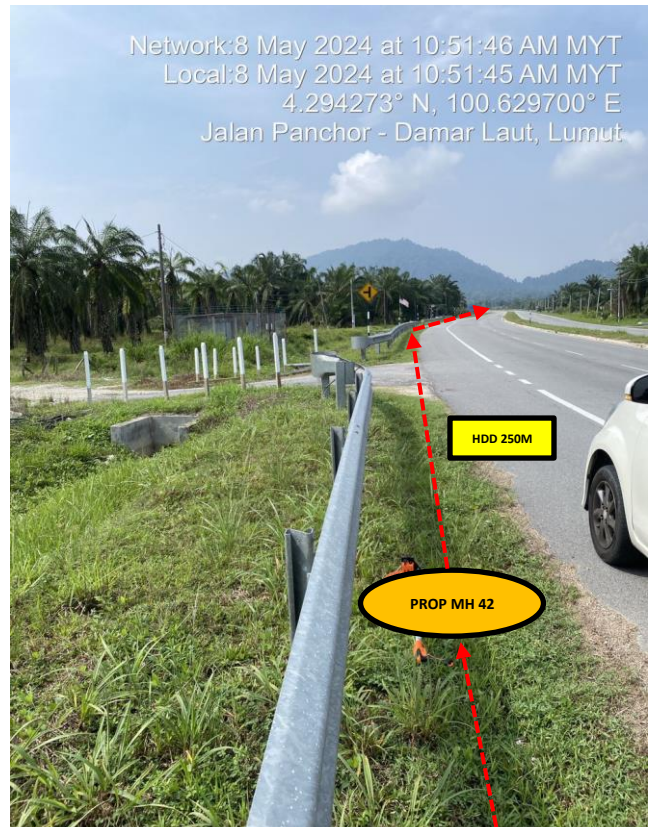
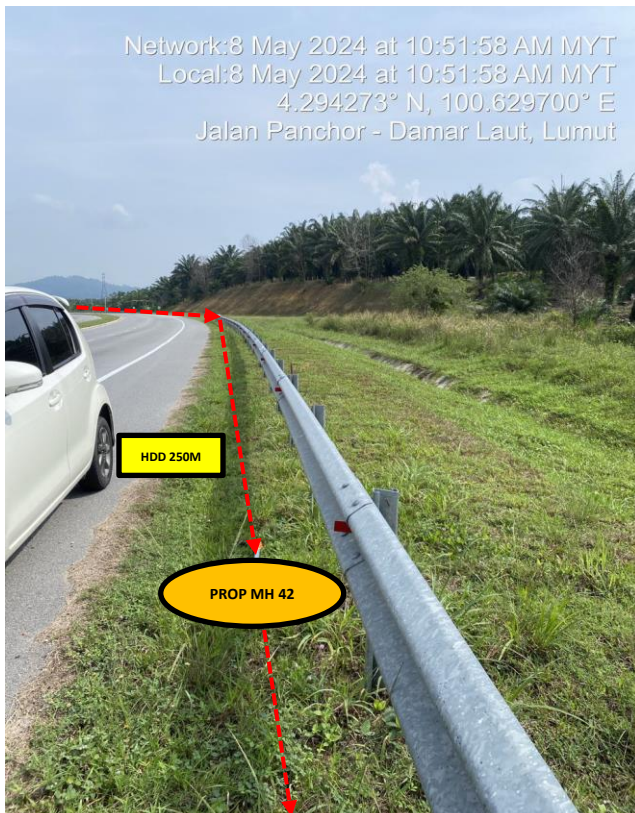
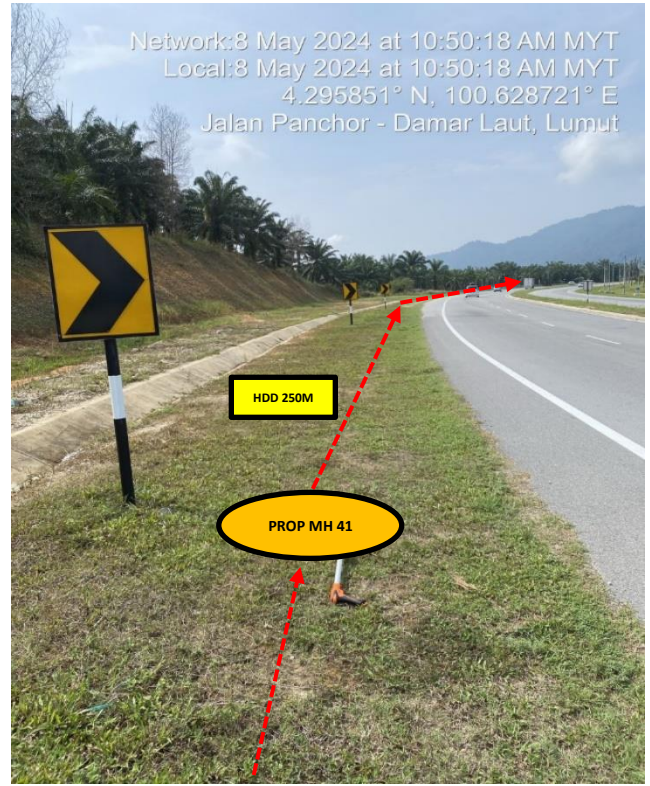
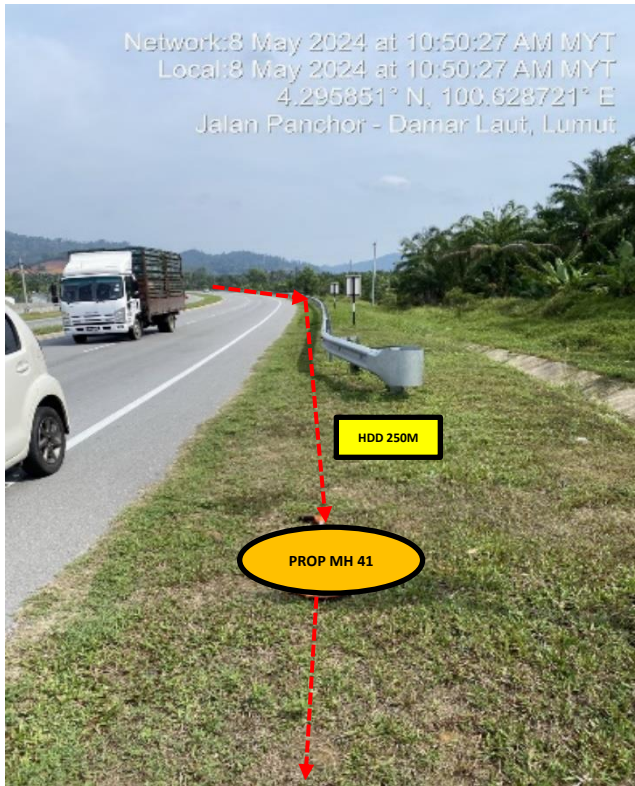
## Section 4: OSP Snapshot for new route



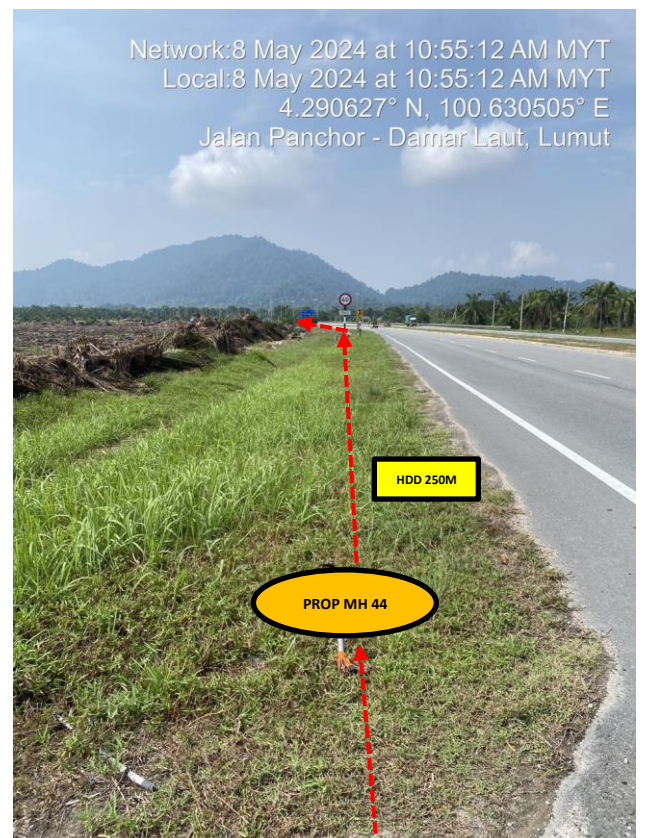
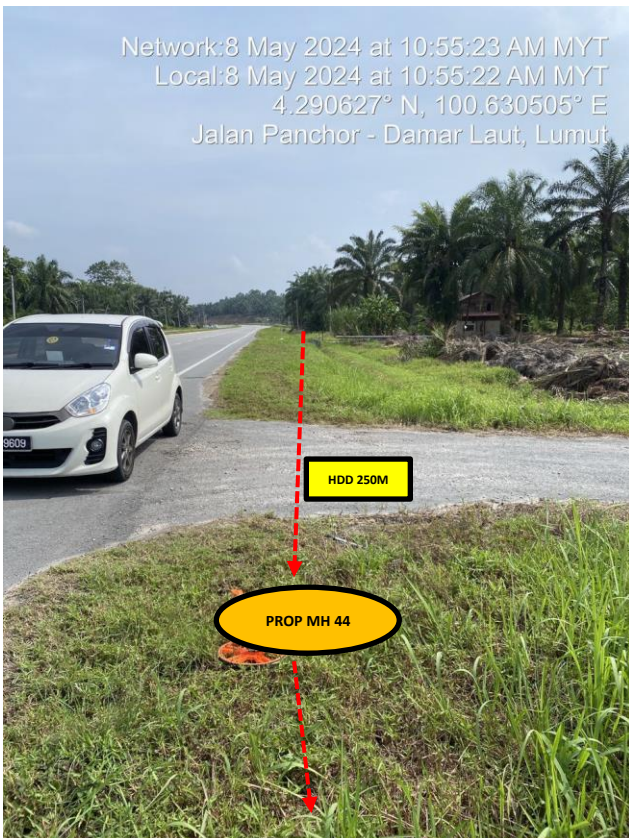
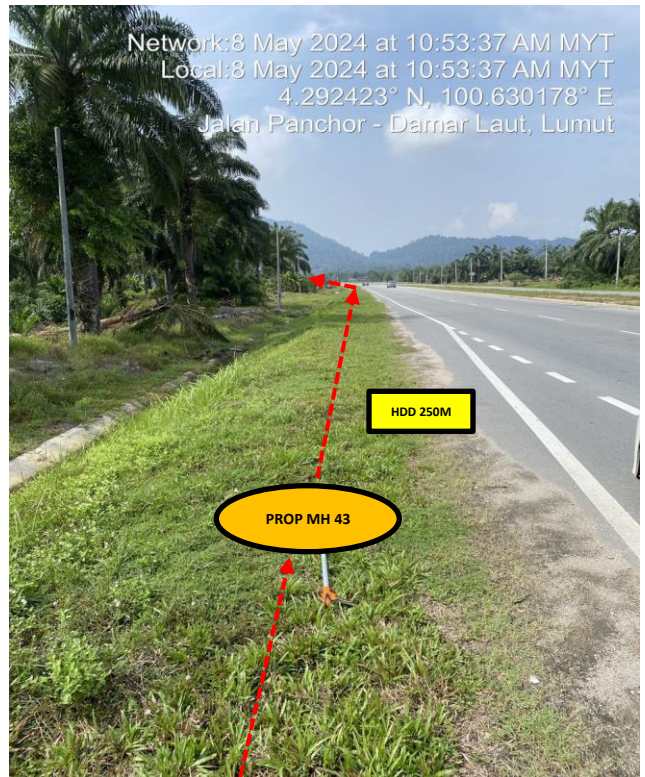
### Section 4: OSP Snapshot for new route



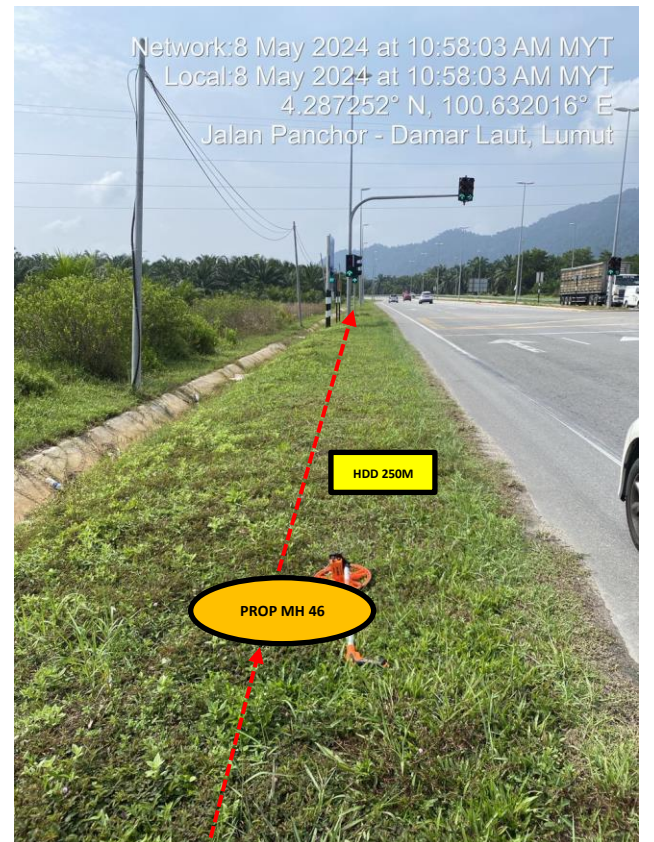
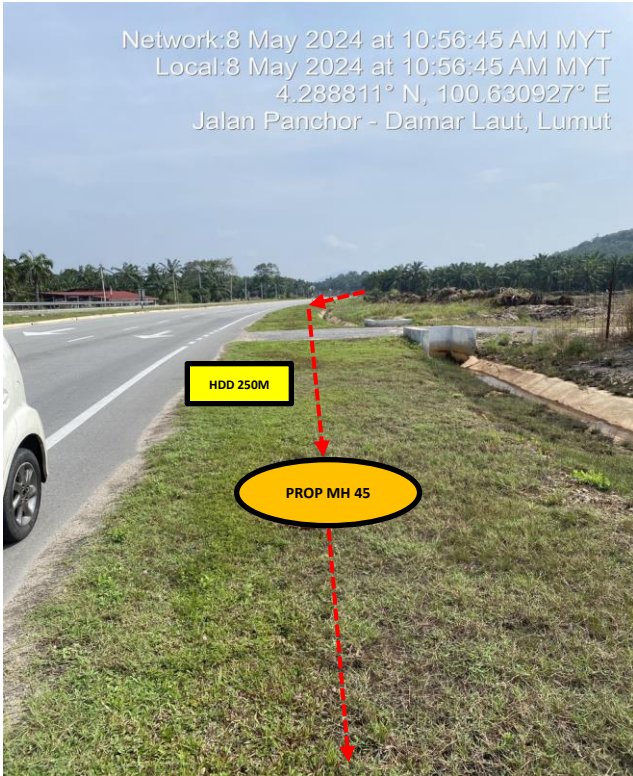
### Section 4: OSP Snapshot for new route



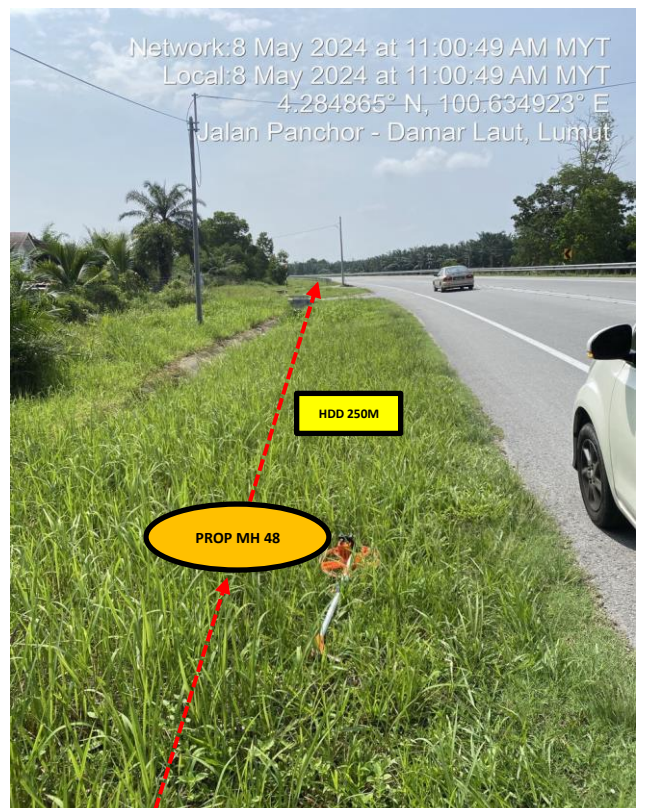
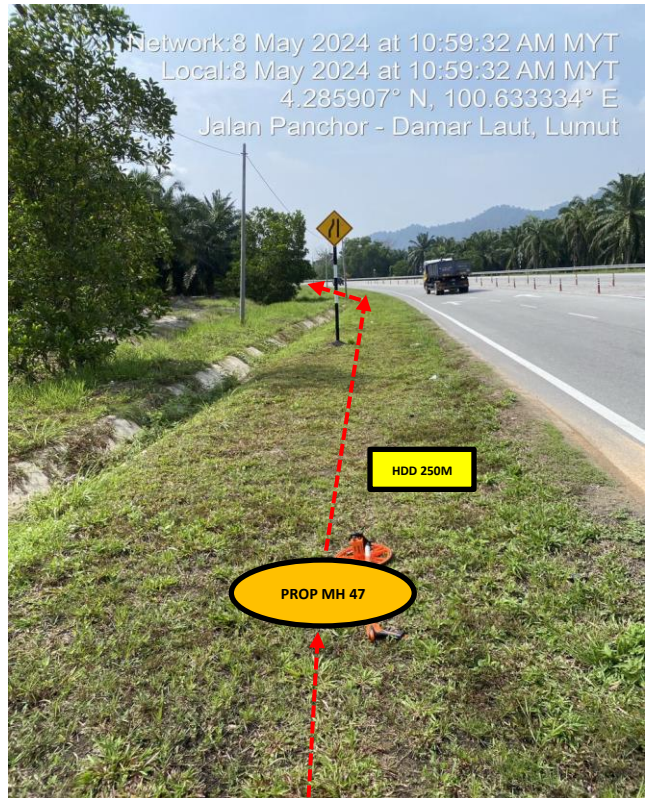
### Section 4: OSP Snapshot for new route



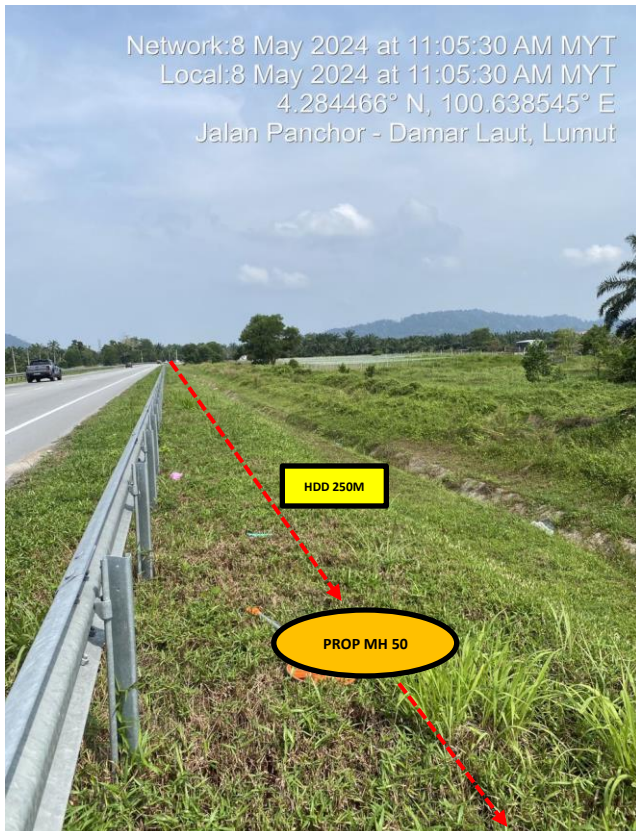
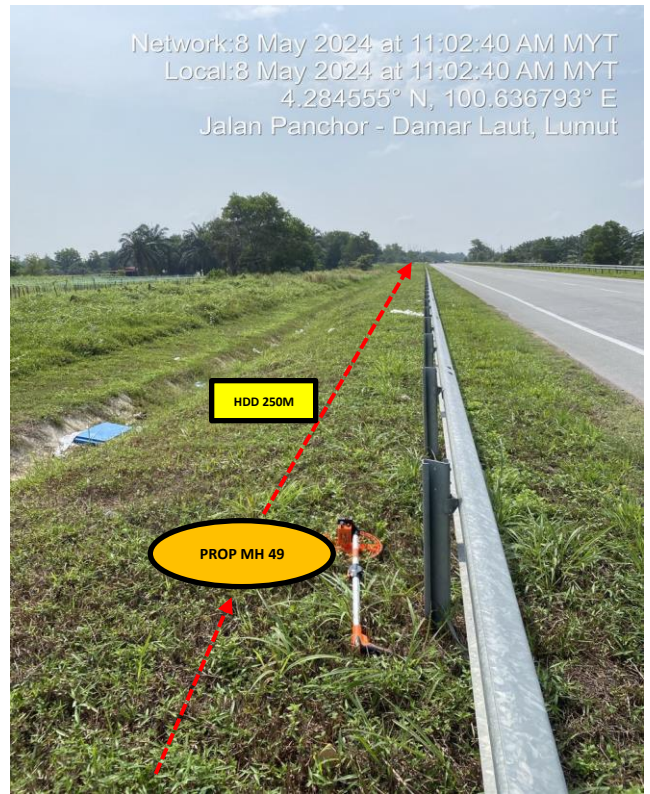
### Section 4: OSP Snapshot for new route



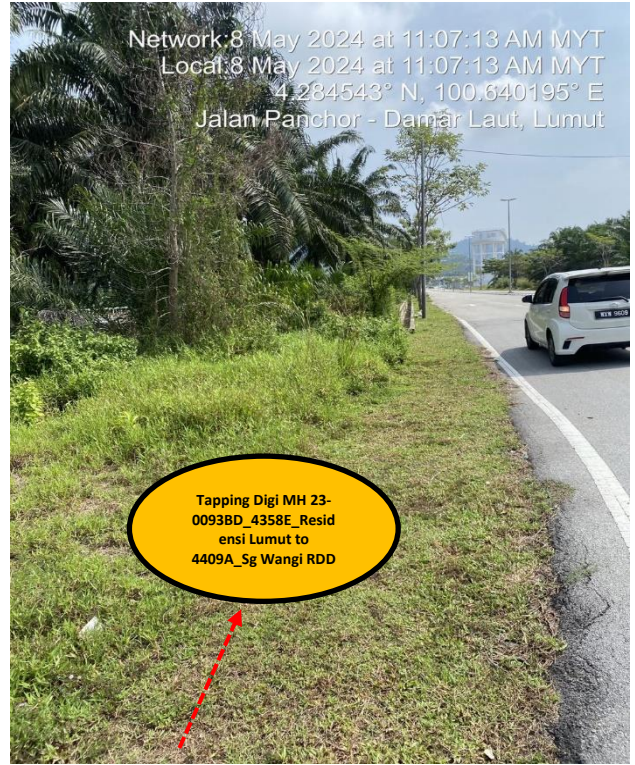
### Section 4: OSP Snapshot for new route



### Section 4: OSP Snapshot for new route



## Section 4: OSP Snapshot for new route



## **Section 6: Work Schedule**