



|            |  |
|------------|--|
| Contractor | Saluran Cepak (M) Sdn Bhd.             |
| SOW Ref    | B12 - OSP Construction & Commissioning |
| LRD        | (BEHR-TGML)                            |
| Subject    | Fiber Technical Proposal               |



|                    |   |         |             |
|--------------------|---|---------|-------------|
| Region             | <b>Northern</b>   |         |             |
| KV/OKV             | <b>OKV</b>  |         |             |
| Point A            | <b>BEHR</b>   | Point B | <b>TGML</b> |
| Address            | <b>BHER: BEHRANG STESEN, 35950 BEHRANG STESEN, PERAK.<br/>TGML: TANJUNG MALIM, 35900 KUALA KUBU BHARU, PERAK.</b> |         |             |
| Site A Lat<br>Long | <b>3.760780, 101.451320</b>   |         |             |
| Site B Lat<br>Long | <b>3.686117, 101.532040</b>   |         |             |
| Structure<br>Owner | <b>MAXIS</b>  |         |             |

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- Section 6: Cable Infrastructure Route Plan & Proposed Cable Plan
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- 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**  
**BHER: BEHRANG STESEN, 35950 BEHRANG STESEN, PERAK.**  
**TGML: TANJUNG MALIM, 35900 KUALA KUBU BHARU, PERAK.**

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.

### Saluran Cepak (M) Sdn Bhd

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

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

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

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

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

### Maxis OSP Detail Design

Name: M Nazim Mahmud

Designation: Transport Network Engineer

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

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



## Section 2: Outside Plant Civil Infra Design Summary

|   |       |       |
|---|-------|-------|
| Overall proposed OSP Civil Infrastructure Design Distance | 14260 | meter |
| a. EXISTING DUCT  | 3550  | meter |
| b. HDD  | 10710 | meter |
| c. Grass verge open cut trenching                         | 0     | meter |
| d. Micro-trenching (mT)                                   | 0     | meter |
| e. Maxis Pole = 2ea                                       | 0     | meter |
| f. Maxis Proposed Pole = 10ea                             | 0     | meter |
| g. GI Pipes Crossing/Riser                                | 0     | meter |
| h. Cable Ladder   | 0     | meter |
| i. Duct GI  | 0     | meter |

|  |       |       |
|--|-------|-------|
| ITP trunking/riser length  | 0     | meter |
| ITP cable length from Maxis fiber tapping point to new termination point at building/cabin | 15686 | meter |
| Total No. of Existing manhole  | 56    | pc    |
| Total No. of Existing manhole (missing)  | 22    | meter |

|  |       |       |
|--|-------|-------|
| Local council & authority approval requirement | 14260 | meter |
| a. LAND LORD                                   | 615   | meter |
| b. JKR MUALLIM                                 | 13560 | meter |
| c. MAJLIS DAERAH TANJUNG MALIM                 | 85    | meter |

|                                      |       |    |
|--------------------------------------|-------|----|
| Estimated Cost of the Scheme/Project | #REF! | RM |
|--------------------------------------|-------|----|

|                   |   |
|-------------------|---|
| Type of building: | TOWER   |
| Address:          | BHER: BEHRANG STESEN, 35950 BEHRANG STESEN, PERAK.<br>TGML: TANJUNG MALIM, 35900 KUALA KUBU BHARU, PERAK. |
| Contact person:   |   |
| Contact no.:      |   |



Suburban Centre  
 100, Jalan, 10100



**Existing Infrastructure Information**

|                                   |   |
|-----------------------------------|---|
| Preceding duct/sub-duct space     | Existing manhole at TAPPING EXIST MAXIS MH at SITE BEHR |
| 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) |
| <b>16</b>          | <b>14</b>            |

Implementation

| Method       | Distance (m) | CW (Days)  |
|--------------|--------------|------------|
| Underground  | 14260        | 108        |
| Pole         | 0            | 0          |
| <b>Total</b> | <b>14260</b> | <b>108</b> |

Date TP Submission   
 Date CW Completed



Sistem Cukai  
(M) Sdn. Bhd.

+

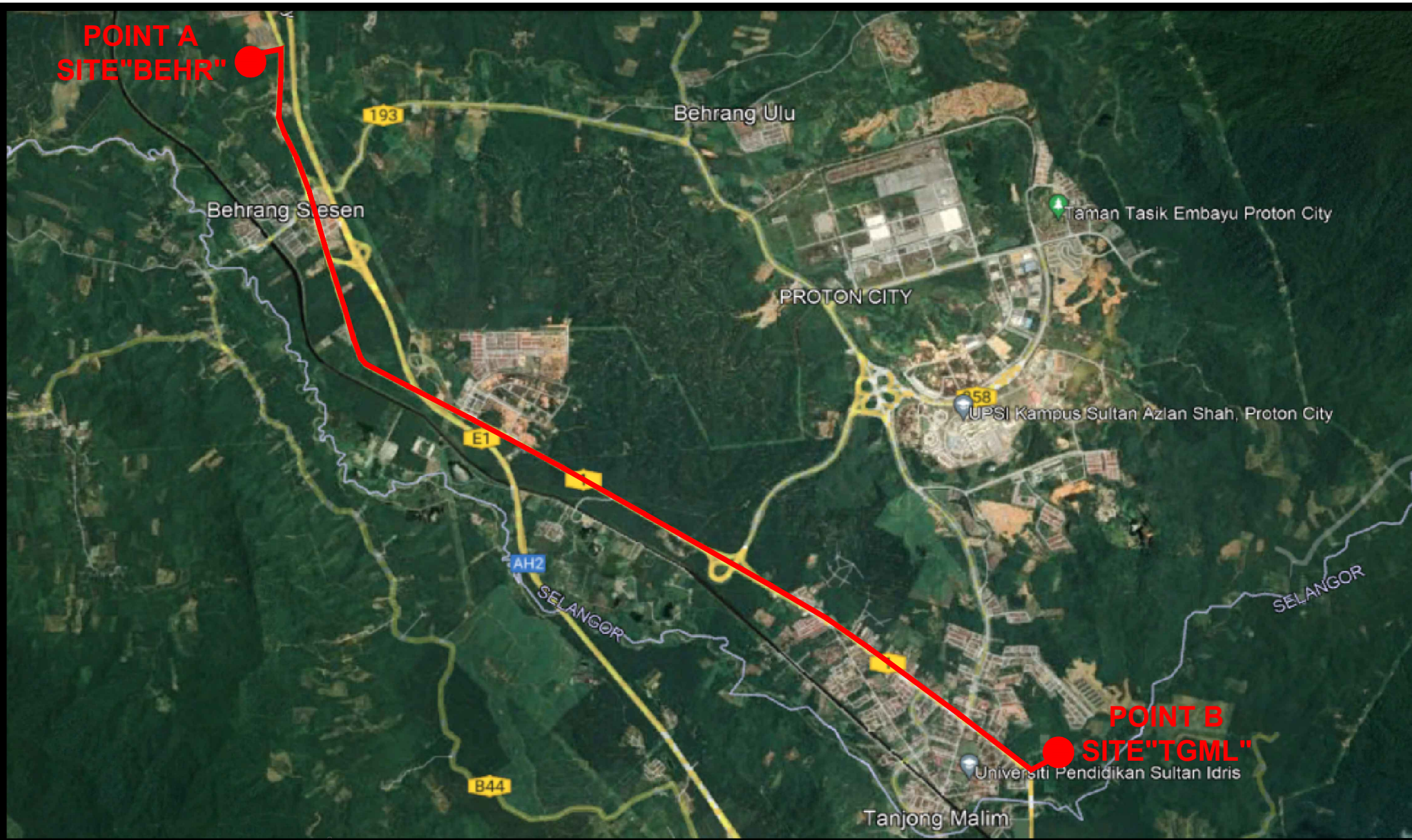


## Section 3

### Vicidnity Map



**POINT A  
SITE "BEHR"**



**POINT B  
SITE "TGML"**

**MAXIS BROADBAND SDN BHD**

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**Title:**  
LOCATION PLAN FOR MAXIS SITE "BHER-TGML"  
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**Designed by:**  
SALURAN CEKAP (M) SDN BHD

**Prepared by:**  
SALURAN CEKAP (M) SDN BHD

**Job No:**

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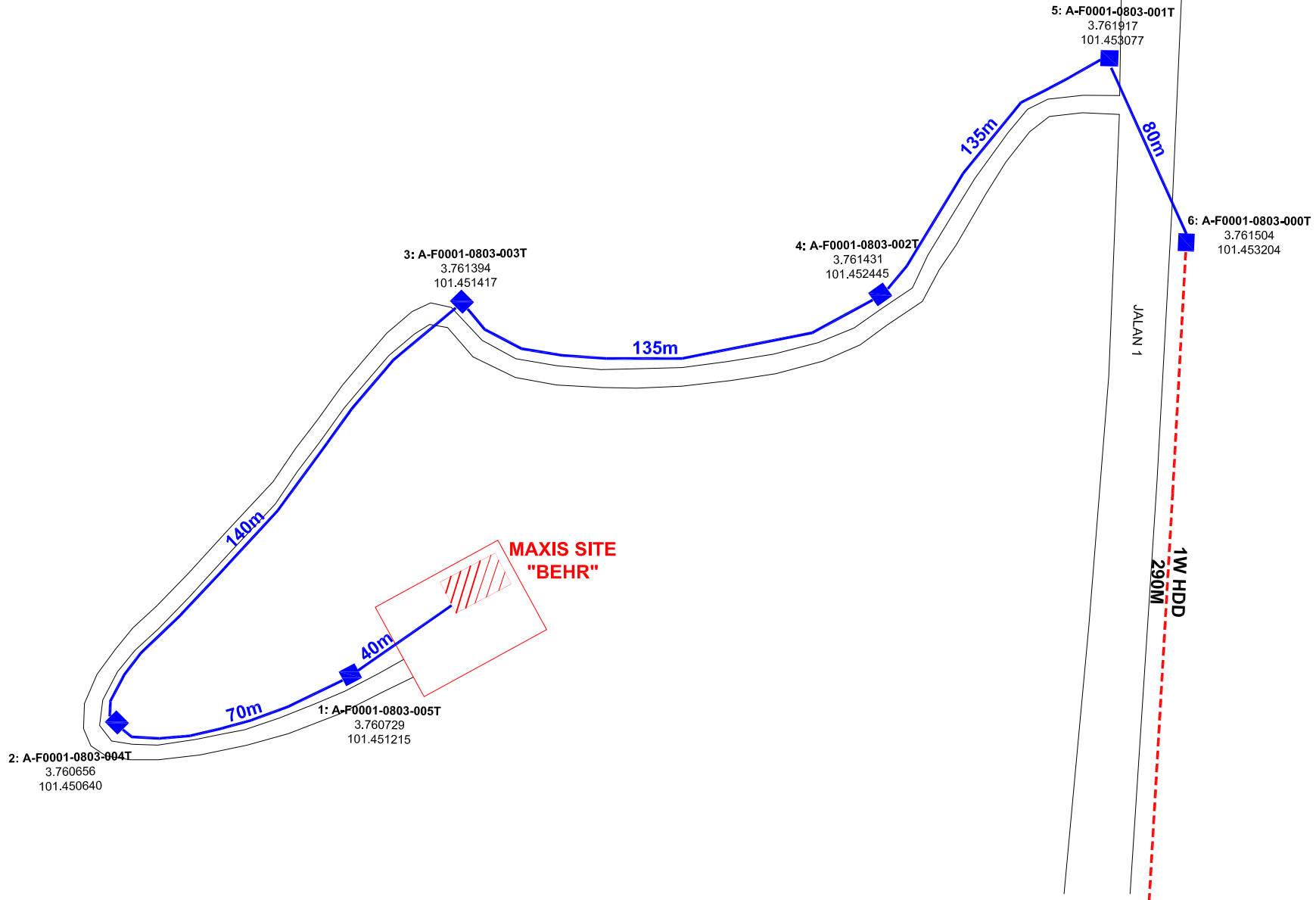
Sistem Cukai  
(My Sisa, Nilai)



## Section 4

# Civil Infrastructure Route Plan & Permit Boundary





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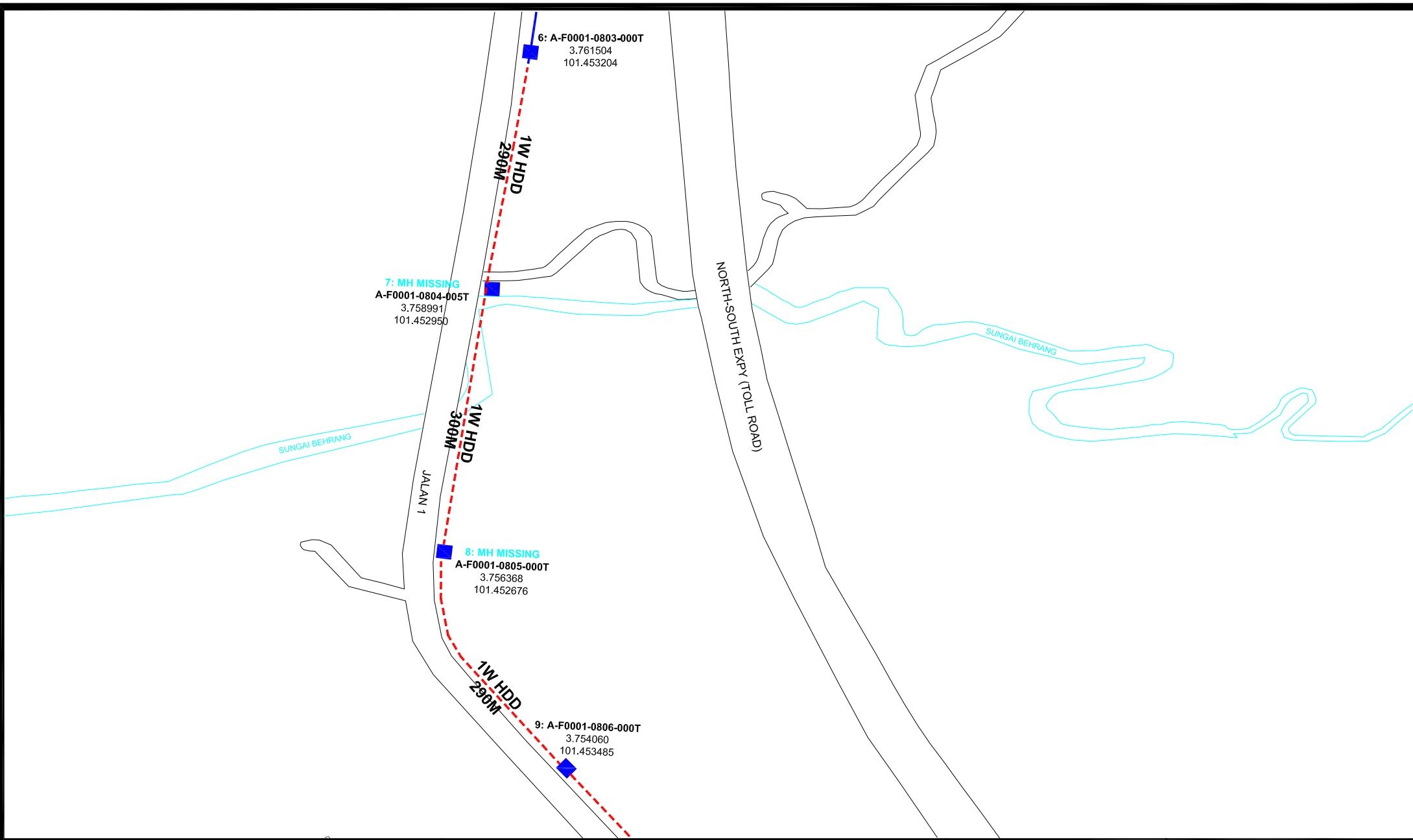
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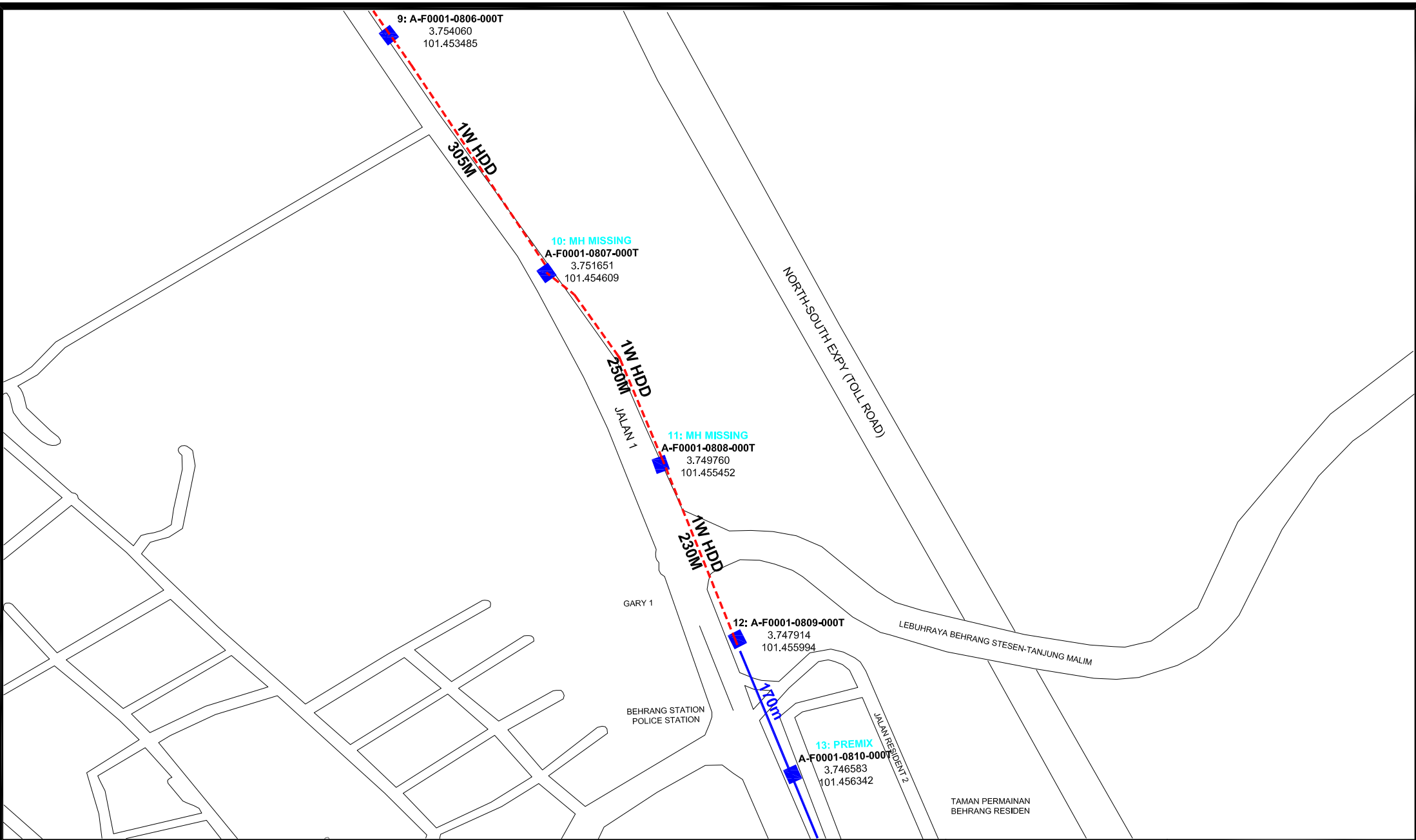
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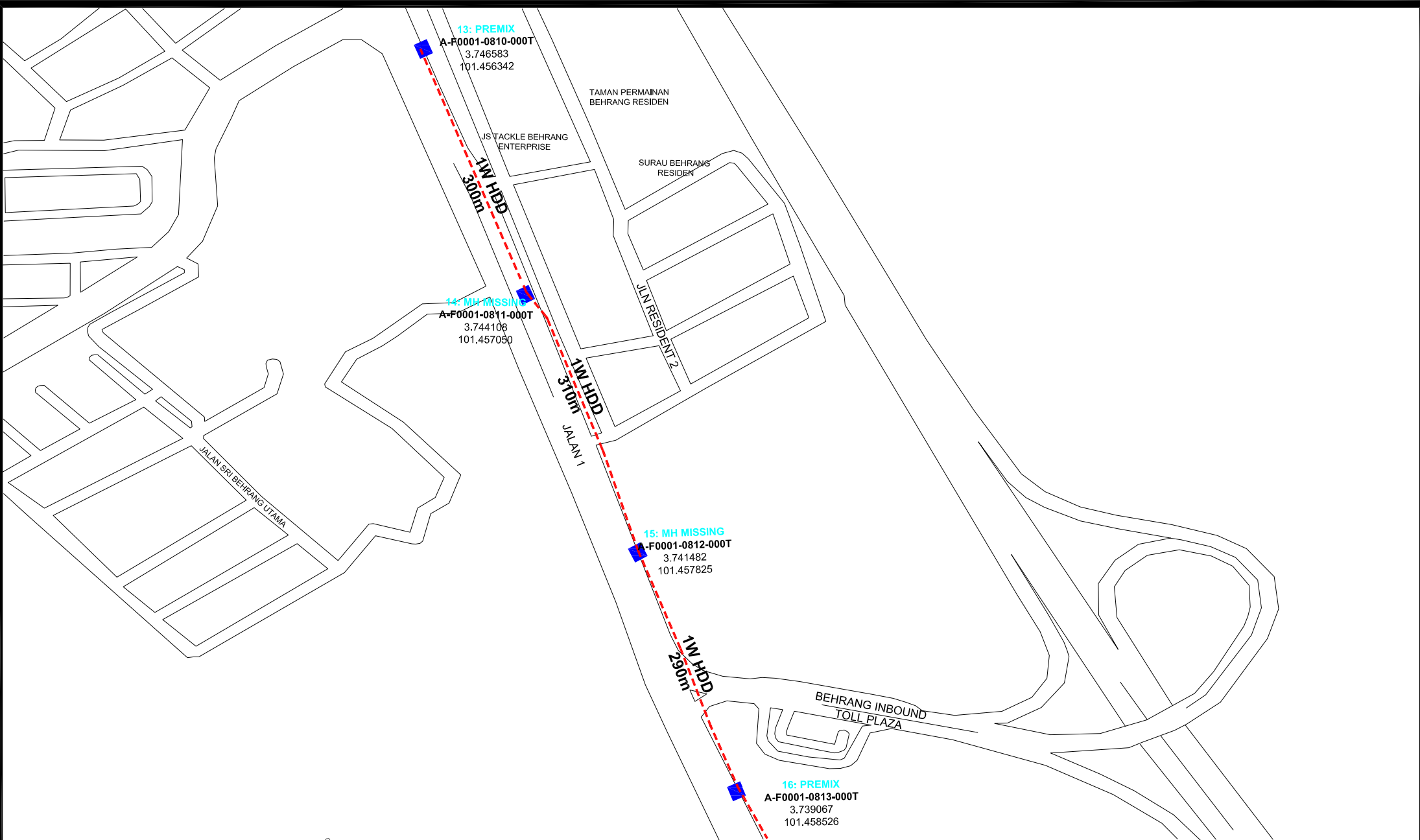
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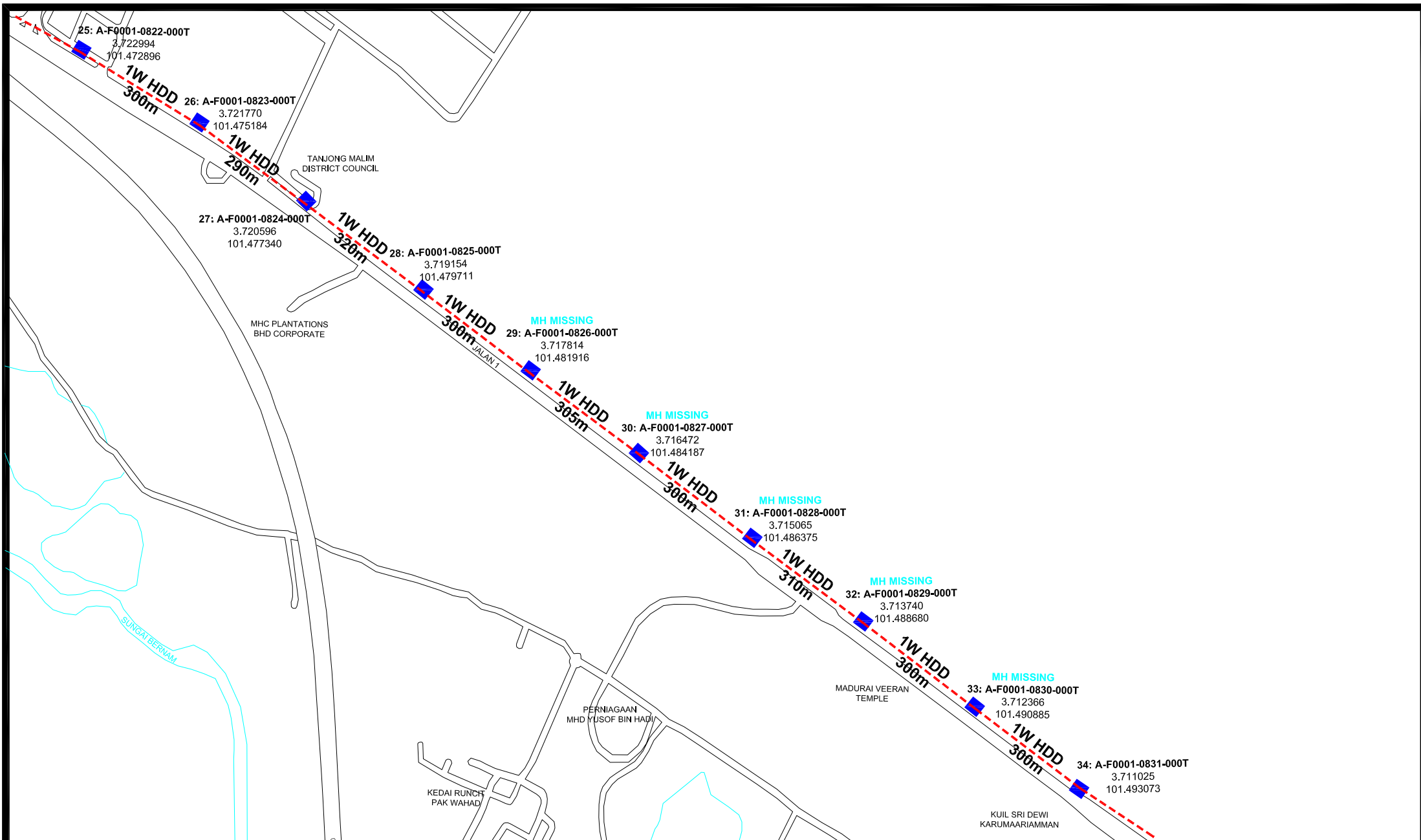
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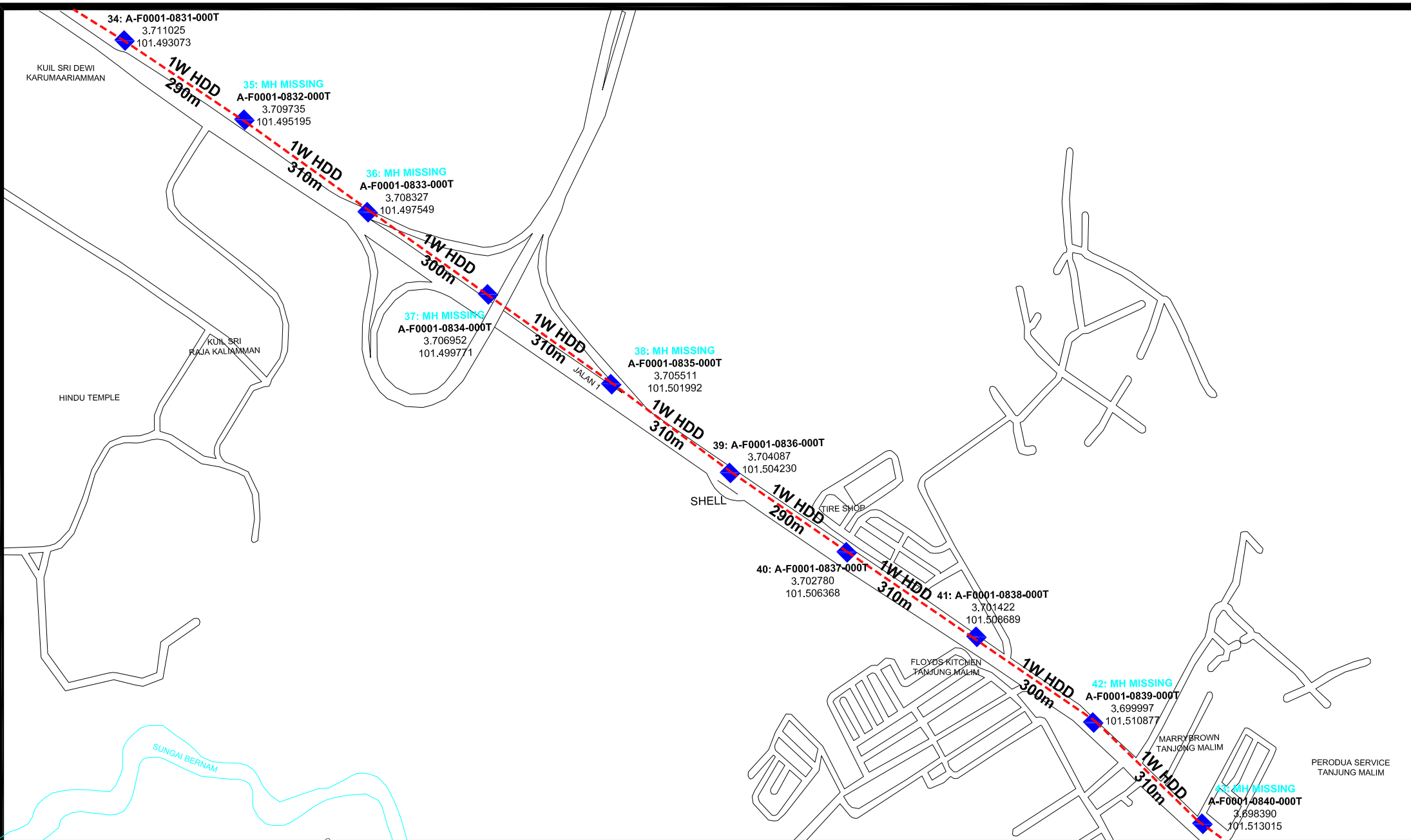
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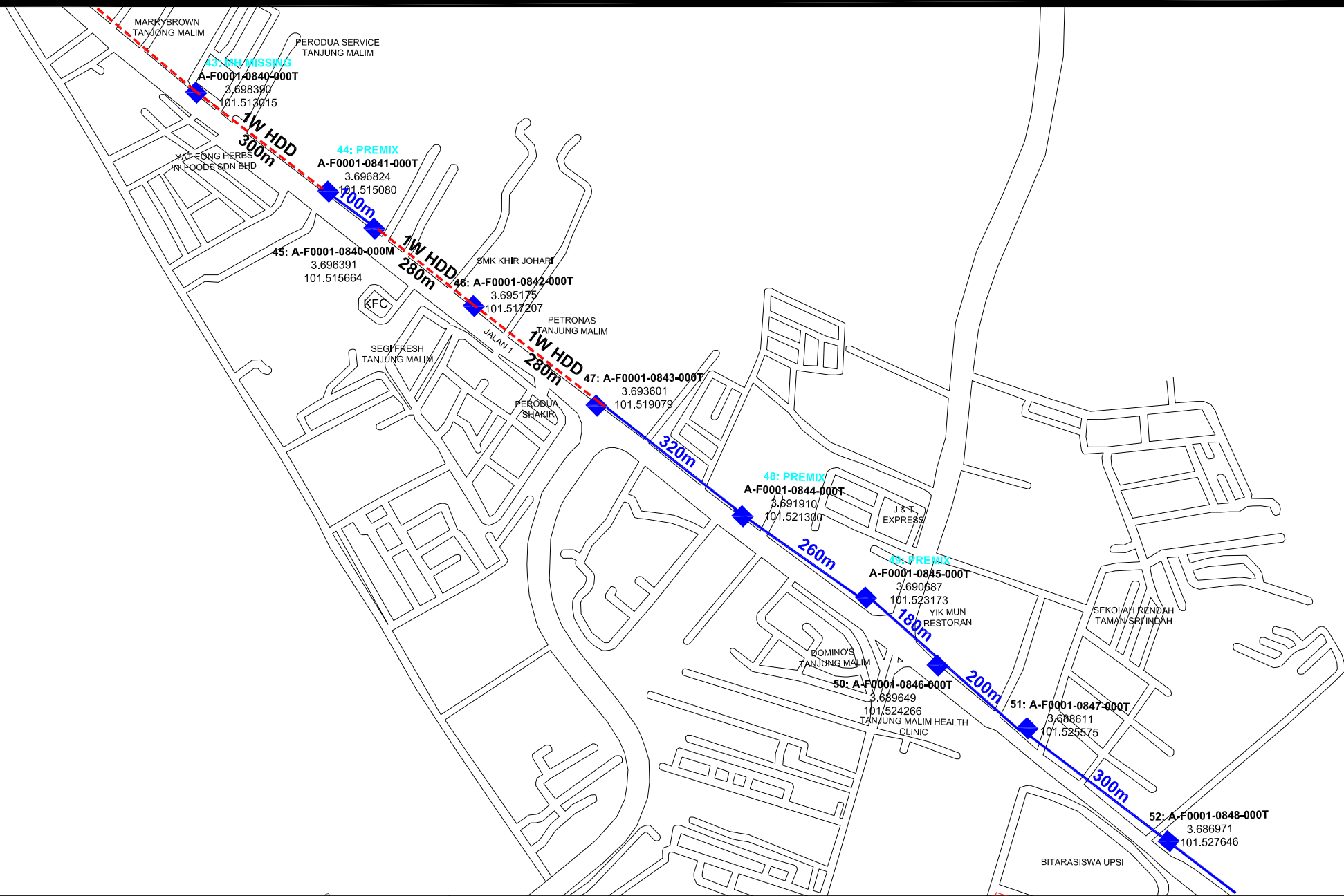
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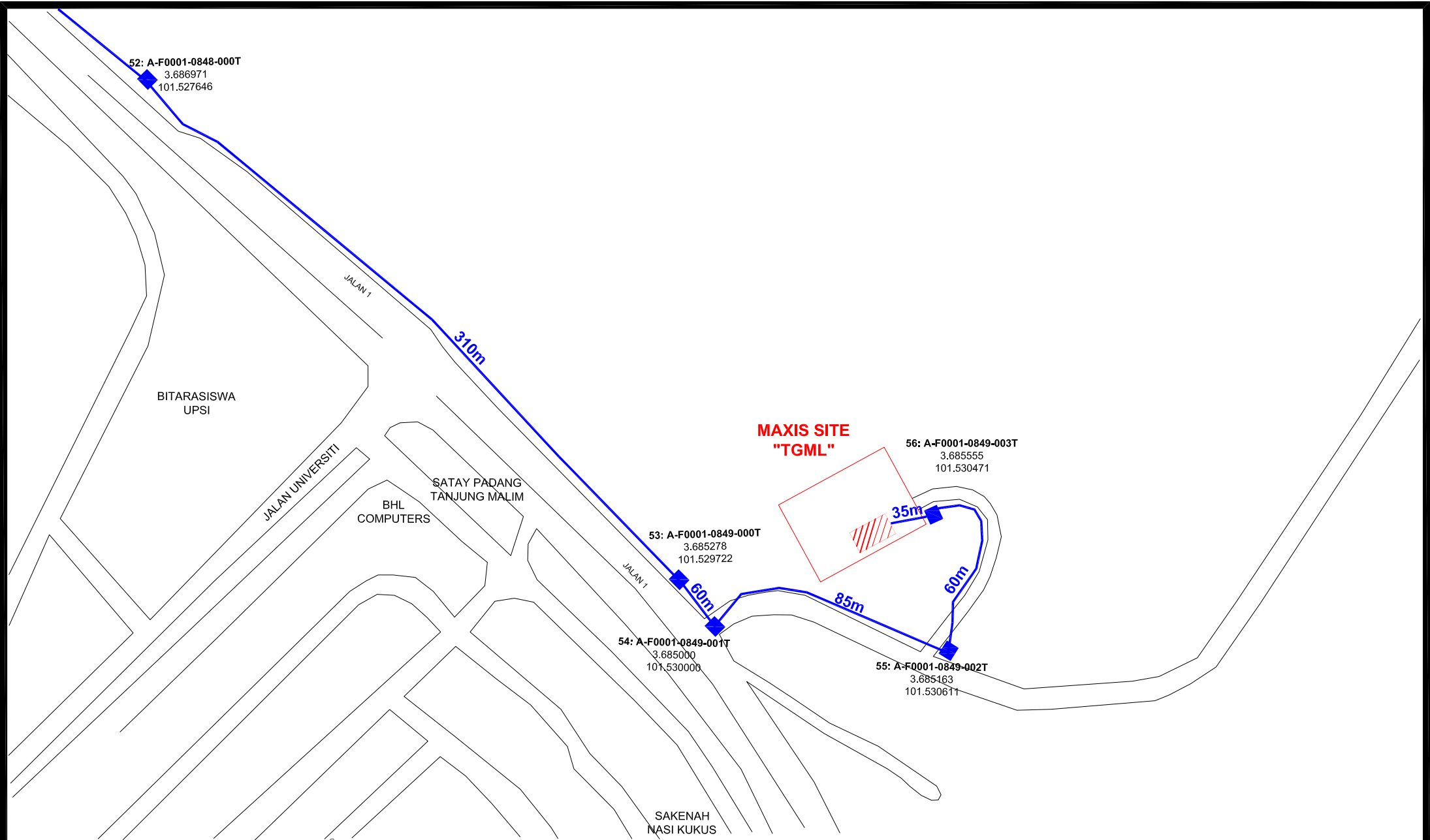
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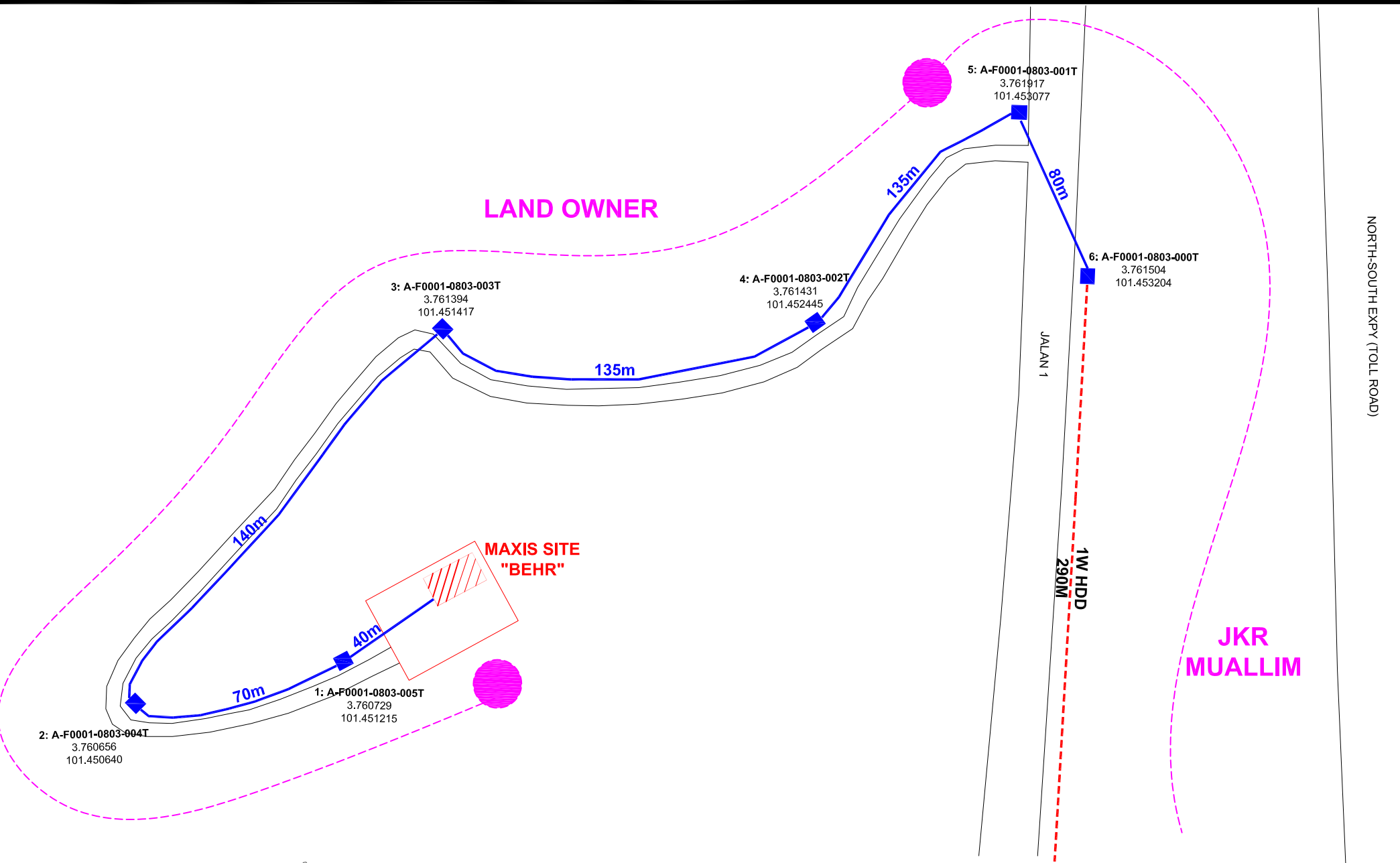
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**JKR  
MUALLIM**

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JALAN 1

NORTH-SOUTH EXPY (TOLL ROAD)

SUNGAI BEHRANG



**MAXIS BROADBAND SDN BHD**

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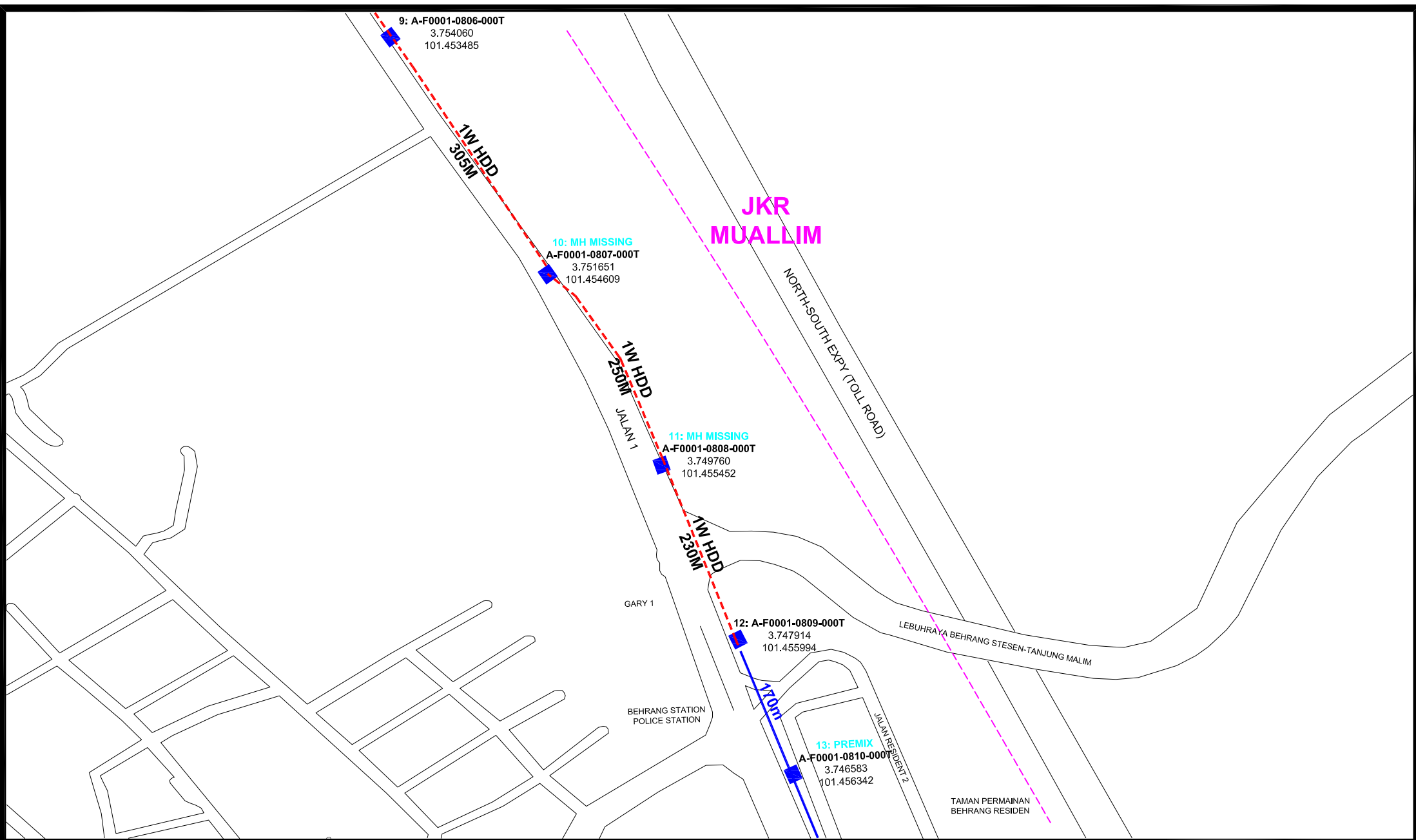
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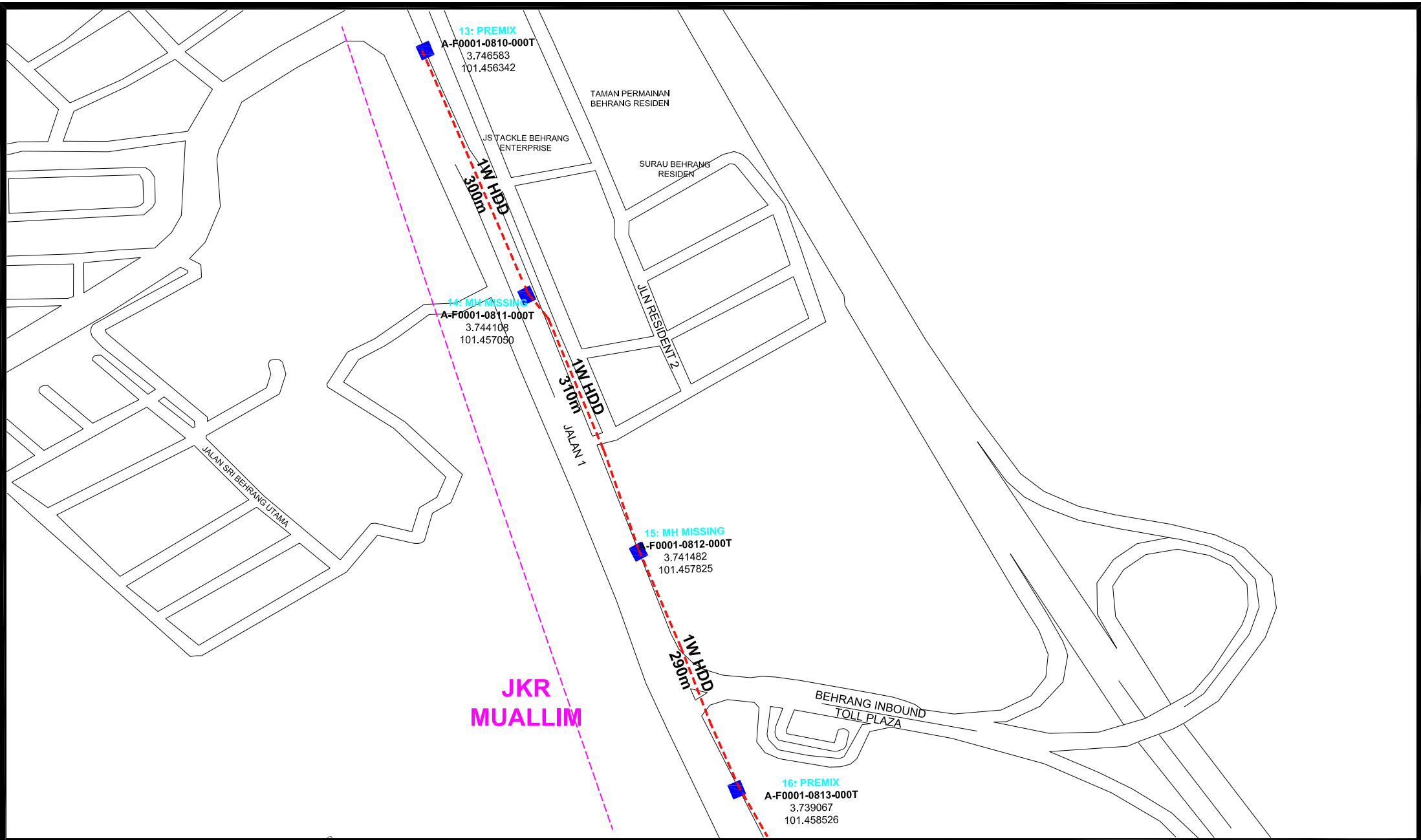
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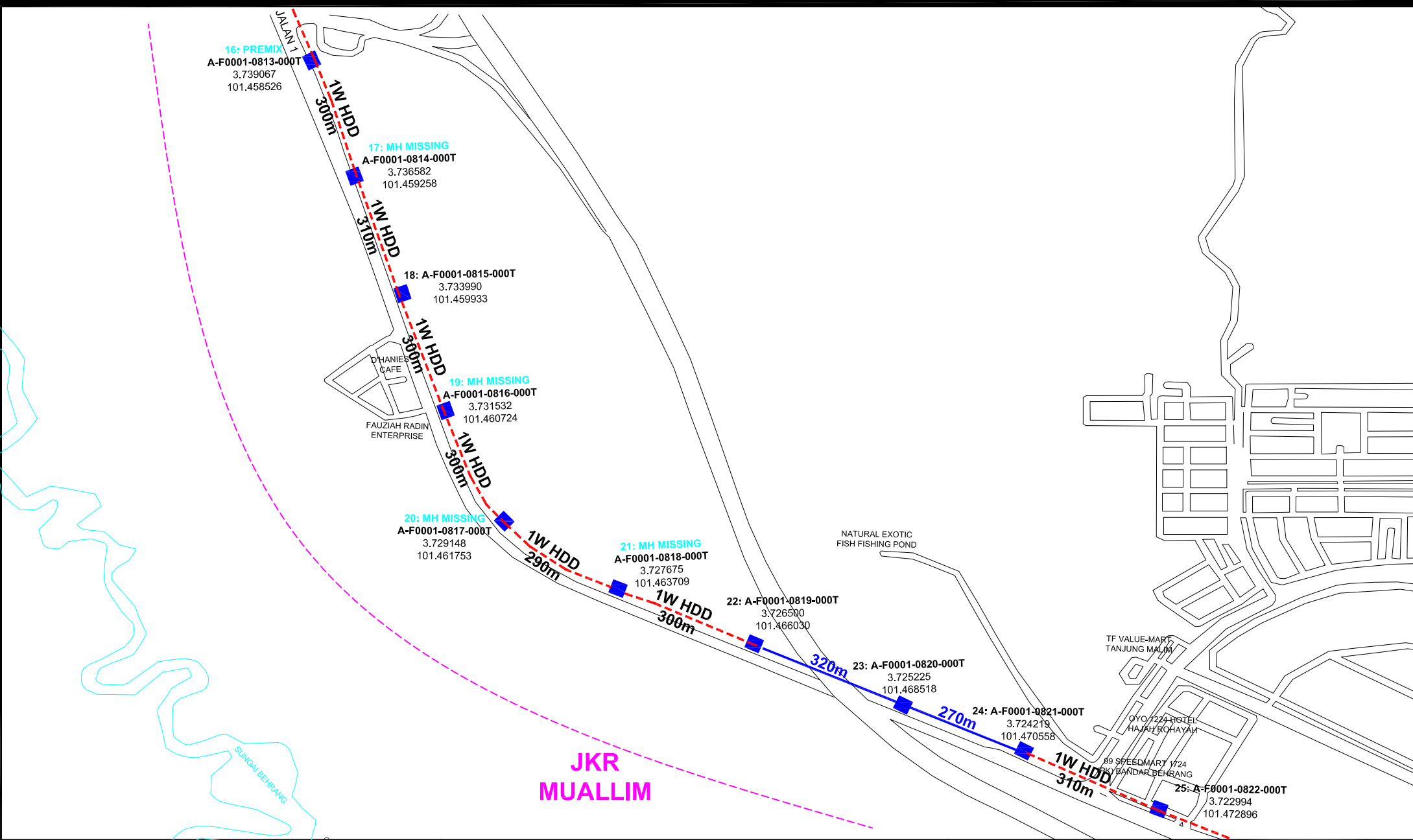
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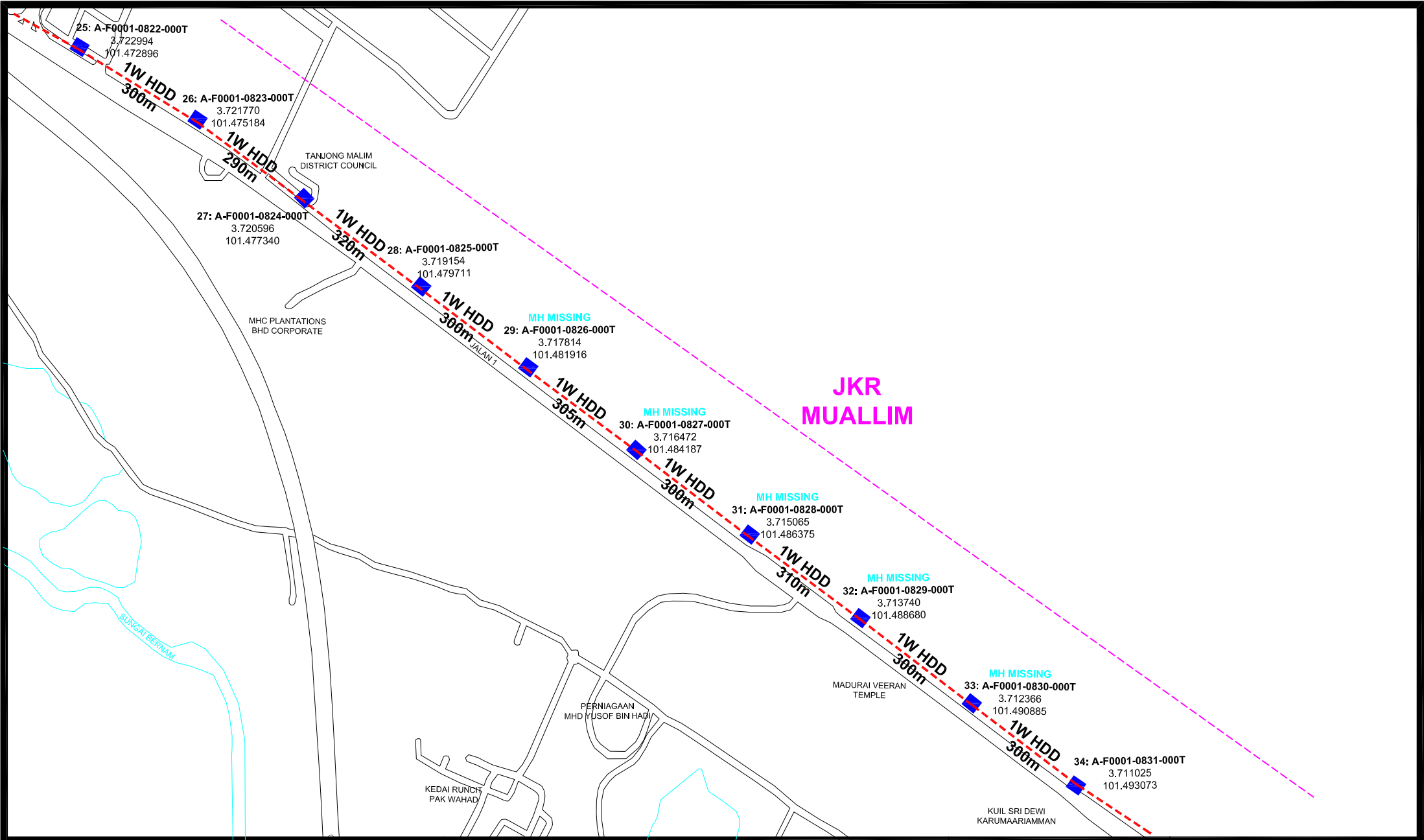


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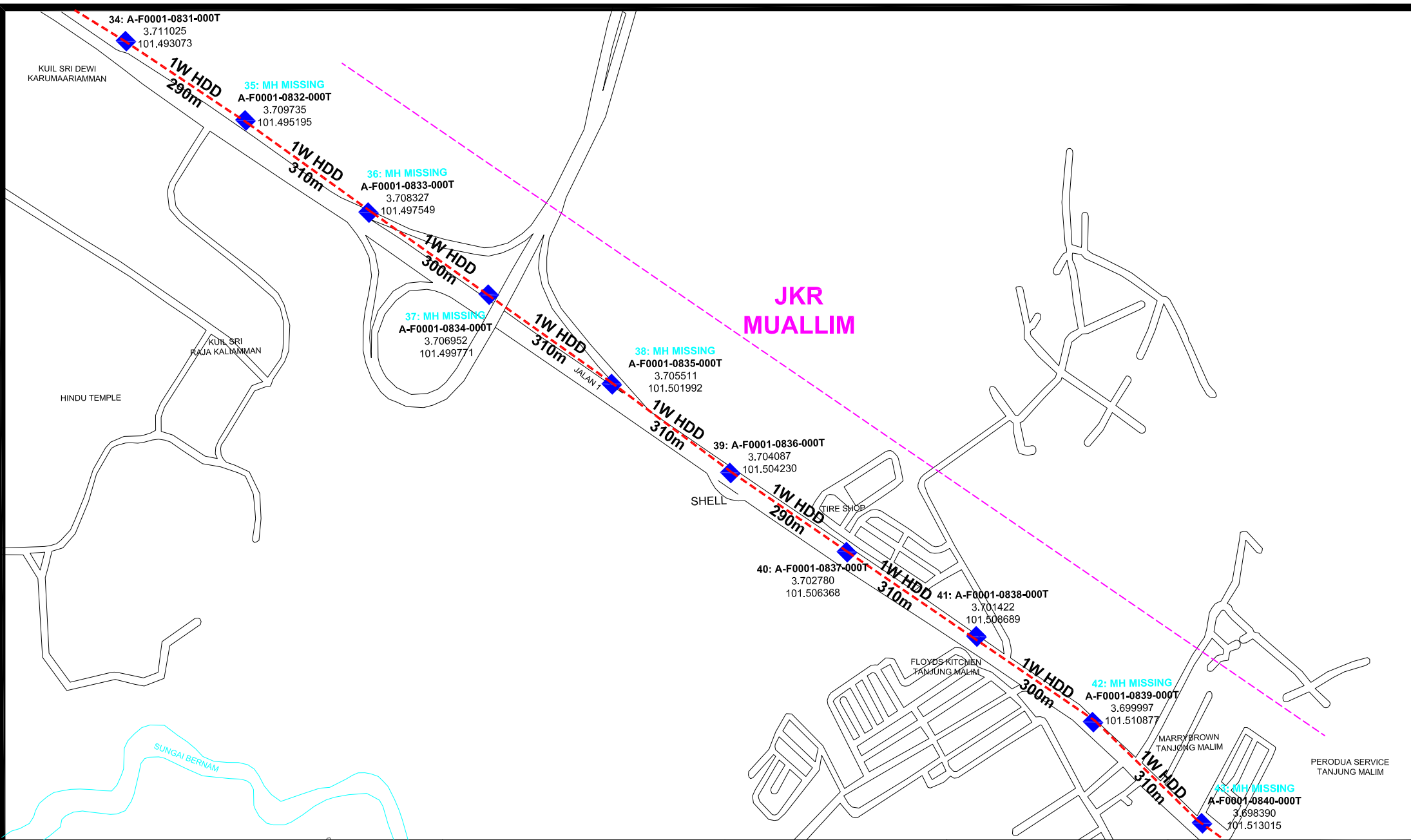
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|   |  |   |   |  |
|---|--|---|---|--|
| <p><b>MAXIS BROADBAND SDN BHD</b><br/> Tingkat 8, Block 1A, Plaza Central,<br/> Jalan Stesen Sentral 5,<br/> Kuala Lumpur Sentral,<br/> 50470 Kuala Lumpur.</p> | <p><b>Title:</b><br/> AUTHORITY PLAN FOR MAXIS SITE "BHER-TGML"<br/> BHER: BEHRANG STESEN,<br/> 35950 BEHRANG STESEN, PERAK.<br/> TGML: TANJUNG MALIM,<br/> 35900 KUALA KUBU BHARU, PERAK.</p> | <p><b>Designed by:</b><br/> SALURAN CEKAP (M) SDN BHD</p> | <p><b>Checked by:</b><br/> M NAZIM MAHMUD</p> | <p><b>Approved by:</b><br/> M NAZIM MAHMUD</p> |
|   | <p><b>Prepared by:</b><br/> SALURAN CEKAP (M)<br/> SDN BHD</p>   | <p><b>Date:</b><br/> 09/11/2020</p>                       | <p><b>Sheet no :</b><br/> 7 OF 19</p>         |  |
|   | <p><b>Job No:</b></p>  | <p><b>File:</b></p>                                       | <p><b>Rev:</b></p>                            |  |



**MAXIS BROADBAND SDN BHD**  
  
 Tingkat 8, Block 1A, Plaza Central,  
 Jalan Stesen Sentral 5,  
 Kuala Lumpur Sentral,  
 50470 Kuala Lumpur.

**Title:**  
 AUTHORITY PLAN FOR MAXIS SITE "BHER-TGML"  
 BHER: BEHRANG STESEN,  
 35950 BEHRANG STESEN, PERAK.  
 TGML: TANJUNG MALIM,  
 35900 KUALA KUBU BHARU, PERAK.

**Designed by:**  
 SALURAN CEKAP (M) SDN BHD

**Prepared by:**  
 SALURAN CEKAP (M) SDN BHD

**Job No:**

**Checked by:**  
 M NAZIM MAHMUD

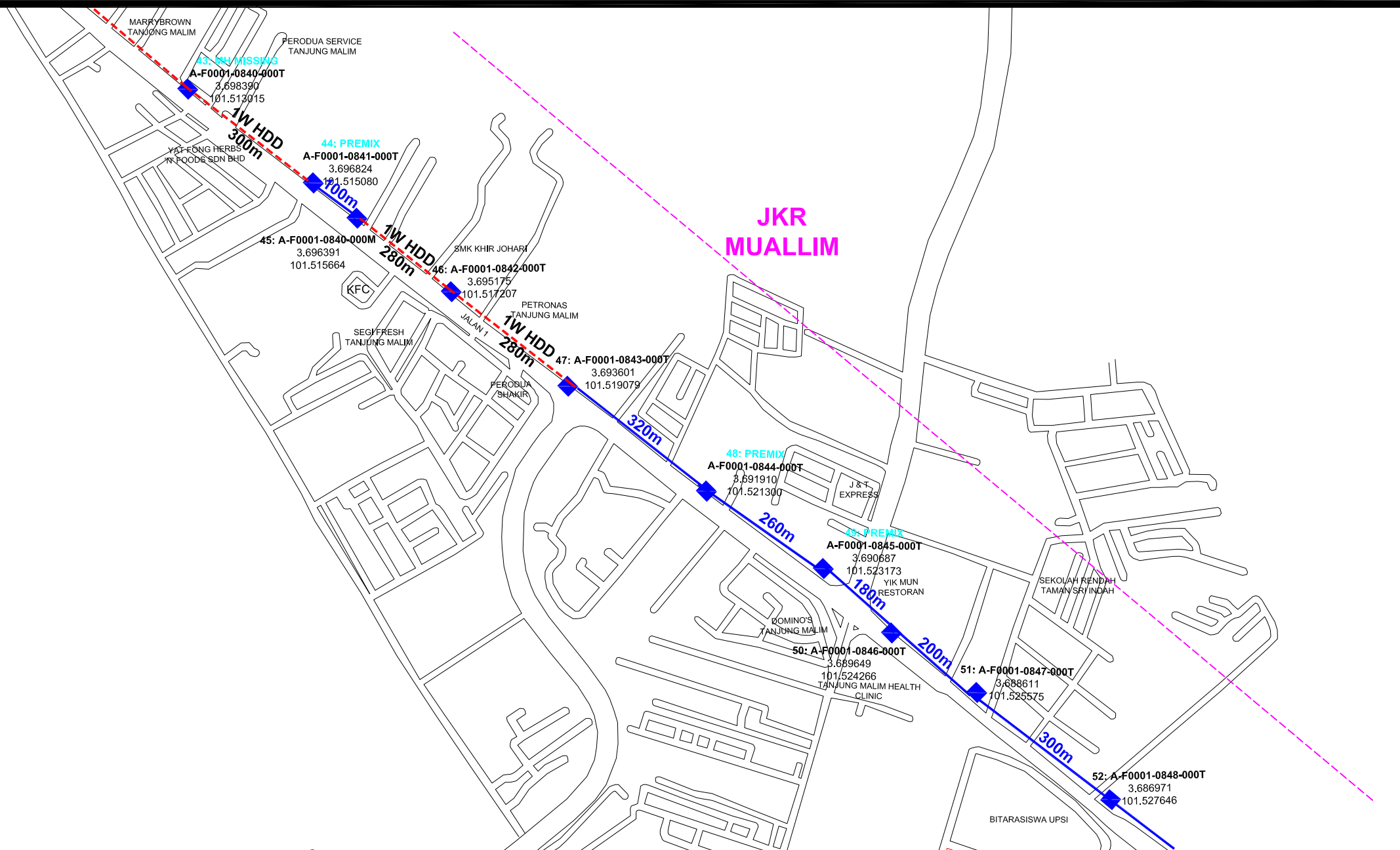
**Date:**  
 09/11/2020

**File:**

**Approved by:**  
 M NAZIM MAHMUD

**Sheet no :** 8 OF 19

**Rev:**



**MAXIS BROADBAND SDN BHD**  
 Tingkat 8, Block 1A, Plaza Central,  
 Jalan Stesen Sentral 5,  
 Kuala Lumpur Sentral,  
 50470 Kuala Lumpur.

**Title:**  
 AUTHORITY PLAN FOR MAXIS SITE "BHER-TGML"  
 BHER: BEHRANG STESEN,  
 35950 BEHRANG STESEN, PERAK.  
 TGML: TANJUNG MALIM,  
 35900 KUALA KUBU BHARU, PERAK.

**Designed by:**  
 SALURAN CEKAP (M) SDN BHD

**Prepared by:**  
 SALURAN CEKAP (M) SDN BHD

**Job No:**

**Checked by:**  
 M NAZIM MAHMUD

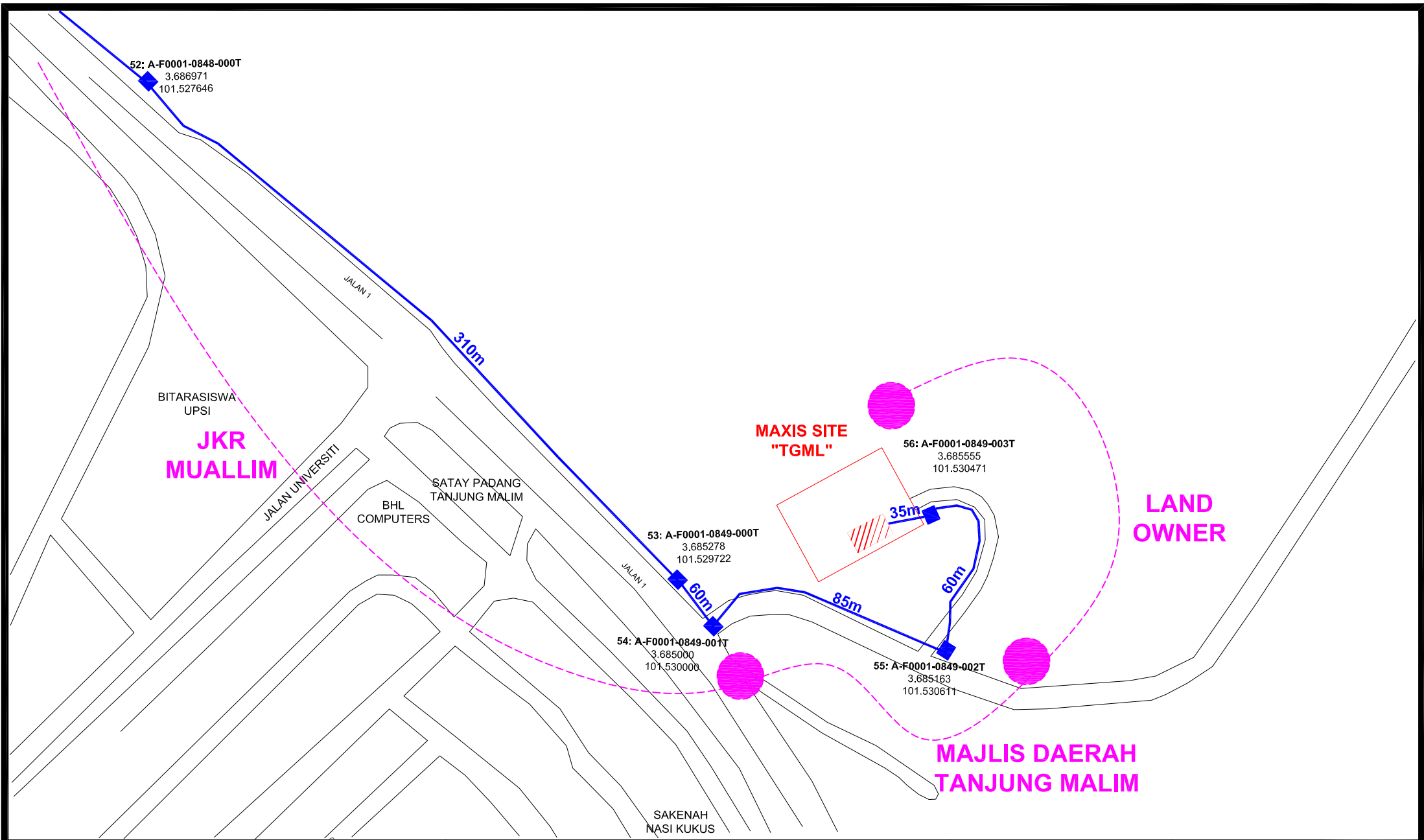
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**File:**

**Approved by:**  
 M NAZIM MAHMUD

**Sheet no :**  
 9 OF 19

**Rev:**



**MAXIS BROADBAND SDN BHD**  
  
 Tingkat 8, Block 1A, Plaza Central,  
 Jalan Stesen Sentral 5,  
 Kuala Lumpur Sentral,  
 50470 Kuala Lumpur.

**Title:**  
 AUTHORITY PLAN FOR MAXIS SITE "BHER-TGML"  
 BHER: BEHRANG STESEN,  
 35950 BEHRANG STESEN, PERAK.  
 TGML: TANJUNG MALIM,  
 35900 KUALA KUBU BHARU, PERAK.

**Designed by:**  
 SALURAN CEKAP (M) SDN BHD  
**Prepared by:**  
 SALURAN CEKAP (M)  
 SDN BHD  
**Job No:**

**Checked by:**  
 M NAZIM MAHMUD  
**Date:**  
 09/11/2020  
**File:**

**Approved by:**  
 M NAZIM MAHMUD  
**Sheet no :**  
 10 OF 19  
**Rev:**

### Section 5: Proposed Manhole GPS Coordinate

| Structure A       | Structure B       | Lat. A (Dec) | Long. A (Dec) | Proposed Method | Distance Breakdown (m) |
|-------------------|-------------------|--------------|---------------|-----------------|------------------------|
| SITE BEHR         | A-F0001-0803-005T | 3.76078      | 101.45132     | EXIST           | 40                     |
| A-F0001-0803-005T | A-F0001-0803-004T | 3.760729     | 101.451215    | EXIST           | 70                     |
| A-F0001-0803-004T | A-F0001-0803-003T | 3.760656     | 101.45064     | EXIST           | 140                    |
| A-F0001-0803-003T | A-F0001-0803-002T | 3.761394     | 101.451417    | EXIST           | 135                    |
| A-F0001-0803-002T | A-F0001-0803-001T | 3.761431     | 101.452445    | EXIST           | 135                    |
| A-F0001-0803-001T | A-F0001-0803-000T | 3.761917     | 101.453077    | EXIST           | 80                     |
| A-F0001-0803-000T | A-F0001-0804-005T | 3.761504     | 101.453204    | HDD             | 290                    |
| A-F0001-0804-005T | A-F0001-0805-000T | 3.758991     | 101.45295     | HDD             | 300                    |
| A-F0001-0805-000T | A-F0001-0806-000T | 3.756368     | 101.452676    | HDD             | 290                    |
| A-F0001-0806-000T | A-F0001-0807-000T | 3.75406      | 101.453485    | HDD             | 305                    |
| A-F0001-0807-000T | A-F0001-0808-000T | 3.751651     | 101.454609    | HDD             | 250                    |
| A-F0001-0808-000T | A-F0001-0809-000T | 3.74976      | 101.455452    | HDD             | 230                    |
| A-F0001-0809-000T | A-F0001-0810-000T | 3.747914     | 101.455994    | EXIST           | 170                    |
| A-F0001-0810-000T | A-F0001-0811-000T | 3.746583     | 101.456342    | HDD             | 300                    |
| A-F0001-0811-000T | A-F0001-0812-000T | 3.744108     | 101.45705     | HDD             | 310                    |
| A-F0001-0812-000T | A-F0001-0813-000T | 3.741482     | 101.457825    | HDD             | 290                    |
| A-F0001-0813-000T | A-F0001-0814-000T | 3.739067     | 101.458526    | HDD             | 300                    |
| A-F0001-0814-000T | A-F0001-0815-000T | 3.736582     | 101.459258    | HDD             | 310                    |
| A-F0001-0815-000T | A-F0001-0816-000T | 3.73399      | 101.459933    | HDD             | 300                    |
| A-F0001-0816-000T | A-F0001-0817-000T | 3.731532     | 101.460724    | HDD             | 300                    |
| A-F0001-0817-000T | A-F0001-0818-000T | 3.729148     | 101.461753    | HDD             | 290                    |
| A-F0001-0818-000T | A-F0001-0819-000T | 3.727675     | 101.463709    | HDD             | 300                    |
| A-F0001-0819-000T | A-F0001-0820-000T | 3.7265       | 101.46603     | EXIST           | 320                    |
| A-F0001-0820-000T | A-F0001-0821-000T | 3.725225     | 101.468518    | EXIST           | 270                    |
| A-F0001-0821-000T | A-F0001-0822-000T | 3.724219     | 101.470558    | HDD             | 310                    |
| A-F0001-0822-000T | A-F0001-0823-000T | 3.722994     | 101.472896    | HDD             | 300                    |
| A-F0001-0823-000T | A-F0001-0824-000T | 3.72177      | 101.475184    | HDD             | 290                    |
| A-F0001-0824-000T | A-F0001-0825-000T | 3.720596     | 101.47734     | HDD             | 320                    |
| A-F0001-0825-000T | A-F0001-0826-000T | 3.719154     | 101.479711    | HDD             | 300                    |
| A-F0001-0826-000T | A-F0001-0827-000T | 3.717814     | 101.481916    | HDD             | 305                    |
| A-F0001-0827-000T | A-F0001-0828-000T | 3.716472     | 101.484187    | HDD             | 300                    |
| A-F0001-0828-000T | A-F0001-0829-000T | 3.715065     | 101.486375    | HDD             | 310                    |
| A-F0001-0829-000T | A-F0001-0830-000T | 3.71374      | 101.48868     | HDD             | 300                    |
| A-F0001-0830-000T | A-F0001-0831-000T | 3.712366     | 101.490885    | HDD             | 300                    |
| A-F0001-0831-000T | A-F0001-0832-000T | 3.711025     | 101.493073    | HDD             | 290                    |
| A-F0001-0832-000T | A-F0001-0833-000T | 3.709735     | 101.495195    | HDD             | 310                    |
| A-F0001-0833-000T | A-F0001-0834-000T | 3.708327     | 101.497549    | HDD             | 300                    |
| A-F0001-0834-000T | A-F0001-0835-000T | 3.706952     | 101.499771    | HDD             | 310                    |
| A-F0001-0835-000T | A-F0001-0836-000T | 3.705511     | 101.501992    | HDD             | 310                    |
| A-F0001-0836-000T | A-F0001-0837-000T | 3.704087     | 101.50423     | HDD             | 290                    |
| A-F0001-0837-000T | A-F0001-0838-000T | 3.70278      | 101.506368    | HDD             | 310                    |
| A-F0001-0838-000T | A-F0001-0839-000T | 3.701422     | 101.508689    | HDD             | 300                    |
| A-F0001-0839-000T | A-F0001-0840-000T | 3.699997     | 101.510877    | HDD             | 310                    |
| A-F0001-0840-000T | A-F0001-0841-000T | 3.69839      | 101.513015    | HDD             | 300                    |
| A-F0001-0841-000T | A-F0001-0840-000M | 3.696824     | 101.51508     | EXIST           | 100                    |
| A-F0001-0840-000M | A-F0001-0842-000T | 3.696391     | 101.515664    | HDD             | 280                    |
| A-F0001-0842-000T | A-F0001-0843-000T | 3.695175     | 101.517207    | EXIST           | 280                    |
| A-F0001-0843-000T | A-F0001-0844-000T | 3.693601     | 101.519079    | EXIST           | 320                    |
| A-F0001-0844-000T | A-F0001-0845-000T | 3.69191      | 101.5213      | EXIST           | 260                    |

|                   |                   |          |            |       |     |
|-------------------|-------------------|----------|------------|-------|-----|
| A-F0001-0845-000T | A-F0001-0846-000T | 3.690687 | 101.523173 | EXIST | 180 |
| A-F0001-0846-000T | A-F0001-0847-000T | 3.689649 | 101.524266 | EXIST | 200 |
| A-F0001-0847-000T | A-F0001-0848-000T | 3.688611 | 101.525575 | EXIST | 300 |
| A-F0001-0848-000T | A-F0001-0849-000T | 3.686971 | 101.527646 | EXIST | 310 |
| A-F0001-0849-000T | A-F0001-0849-001T | 3.685278 | 101.529722 | EXIST | 60  |
| A-F0001-0849-001T | A-F0001-0849-002T | 3.685    | 101.53     | EXIST | 85  |
| A-F0001-0849-002T | A-F0001-0849-003T | 3.685163 | 101.530611 | EXIST | 60  |
| A-F0001-0849-003T | SITE TGML         | 3.685555 | 101.530471 | EXIST | 35  |

14260

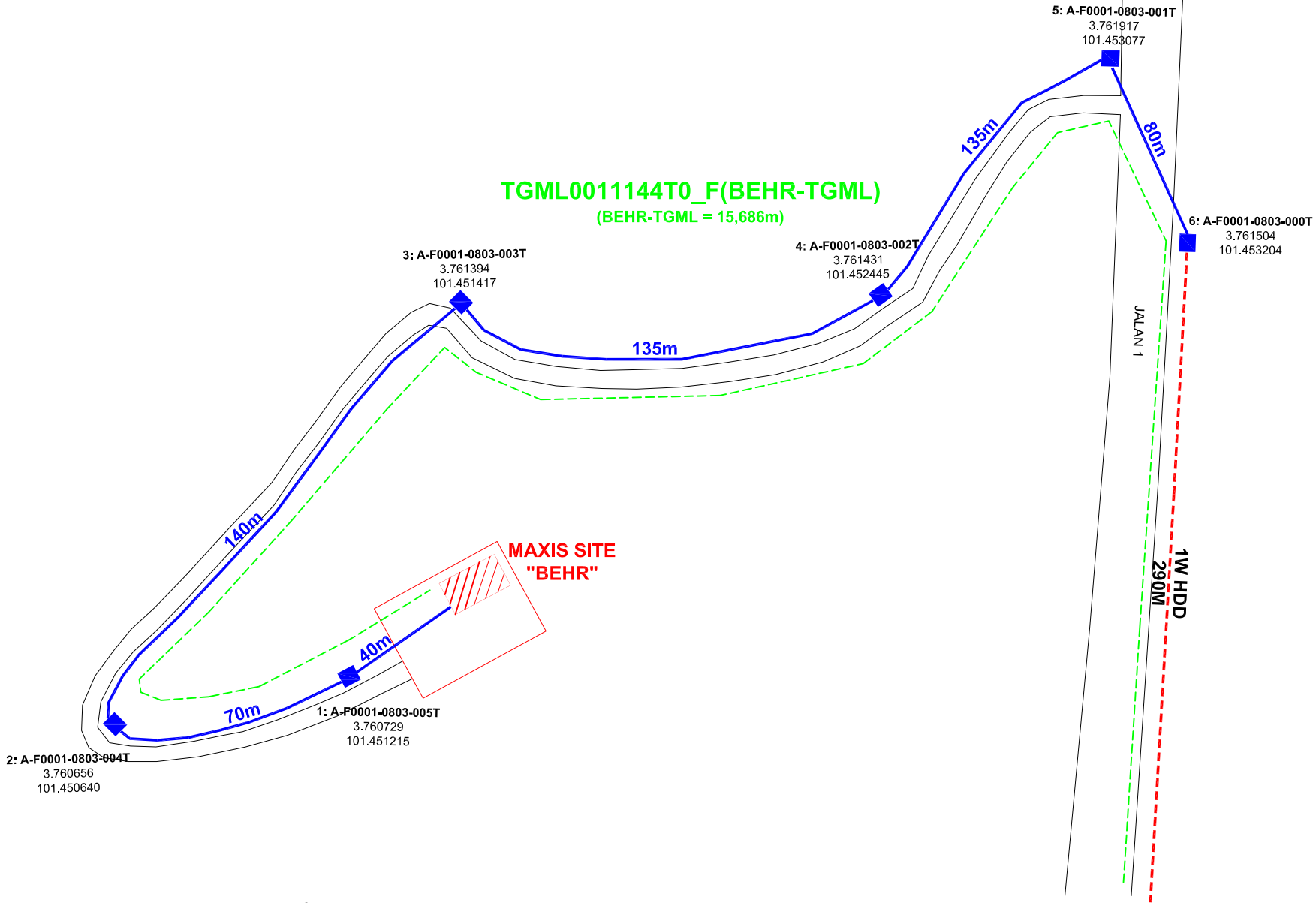


Sahabam Cables  
Manufacturing

## Section 6

# Cable Infrastructure Route Plan & Proposed Cable Plan





**TGML0011144T0\_F(BEHR-TGML)**  
(BEHR-TGML = 15,686m)

2: A-F0001-0803-004T  
3.760656  
101.450640

1: A-F0001-0803-005T  
3.760729  
101.451215

3: A-F0001-0803-003T  
3.761394  
101.451417

4: A-F0001-0803-002T  
3.761431  
101.452445

5: A-F0001-0803-001T  
3.761917  
101.453077

6: A-F0001-0803-000T  
3.761504  
101.453204

**MAXIS SITE  
"BEHR"**



**MAXIS BROADBAND SDN BHD**  
Tingkat 8, Block 1A, Plaza Central,  
Jalan Stesen Sentral 5,  
Kuala Lumpur Sentral,  
50470 Kuala Lumpur.

**Title:**  
SLD FIBRE CABLE 144 CORE PLAN  
FOR SITE " (BEHR - TGML)"  
CABLE NAME: TGML0011144T0\_F(BEHR-TGML)

**Designed by:**  
SALURAN CEKAP (M) SDN BHD

**Prepared by:**  
SALURAN CEKAP (M)  
SDN BHD

**Job No:**

**Checked by:**  
M NAZIM MAHMUD

**Date:** 09/11/2020

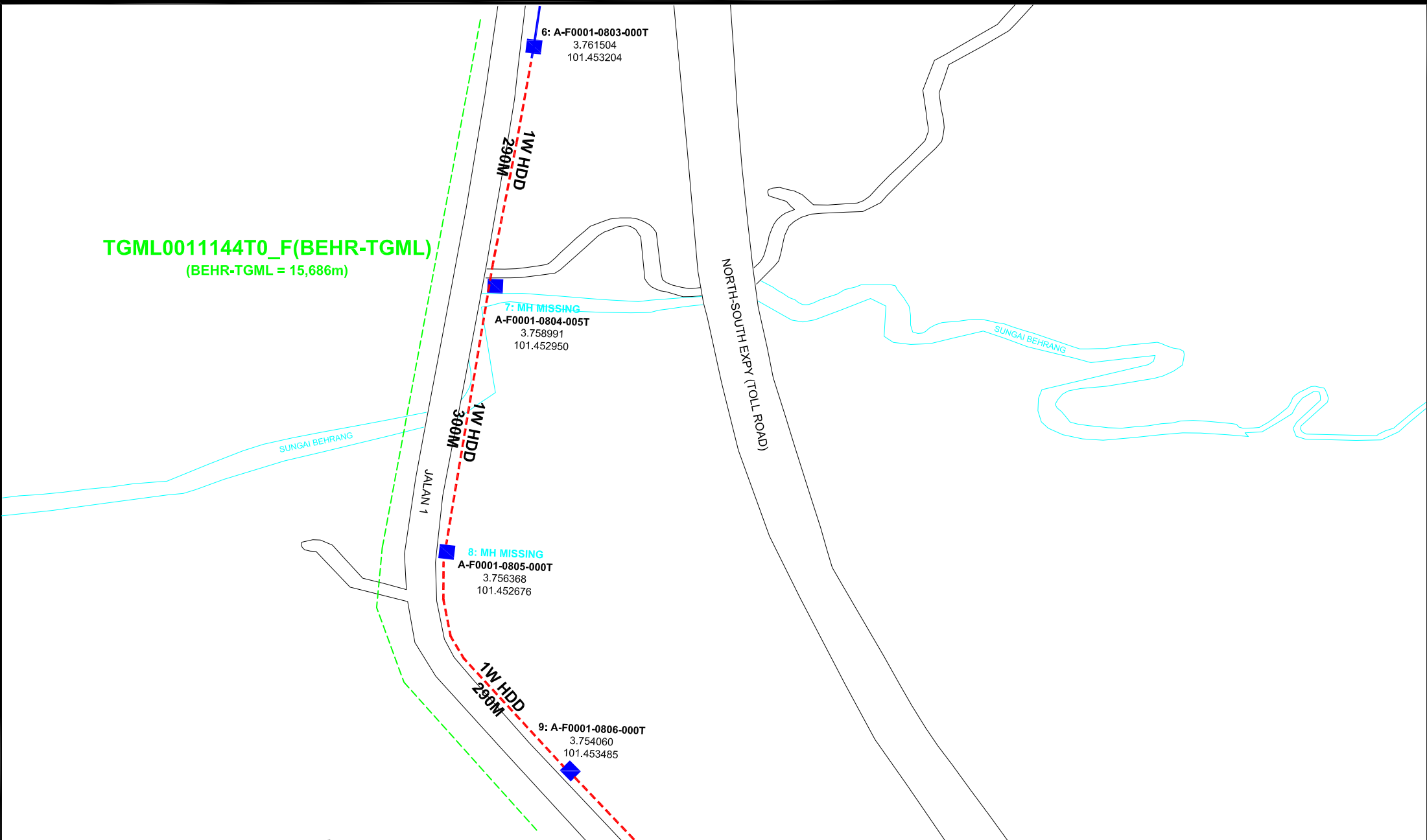
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**Approved by:**  
M NAZIM MAHMUD

**Sheet no :** 2 OF 19

**Rev:**

**TGML0011144T0\_F(BEHR-TGML)**  
 (BEHR-TGML = 15,686m)



**MAXIS BROADBAND SDN BHD**  
  
 Tingkat 8, Block 1A, Plaza Central,  
 Jalan Stesen Sentral 5,  
 Kuala Lum,pur Sentral,  
 50470 Kuala Lumpur.

**Title:**  
 SLD FIBRE CABLE 144 CORE PLAN  
 FOR SITE " (BEHR - TGML)"  
 CABLE NAME: TGML0011144T0\_F(BEHR-TGML)

**Designed by:**  
 SALURAN CEKAP (M) SDN BHD

**Prepared by:**  
 SALURAN CEKAP (M)  
 SDN BHD

**Job No:**

**Checked by:**  
 M NAZIM MAHMUD

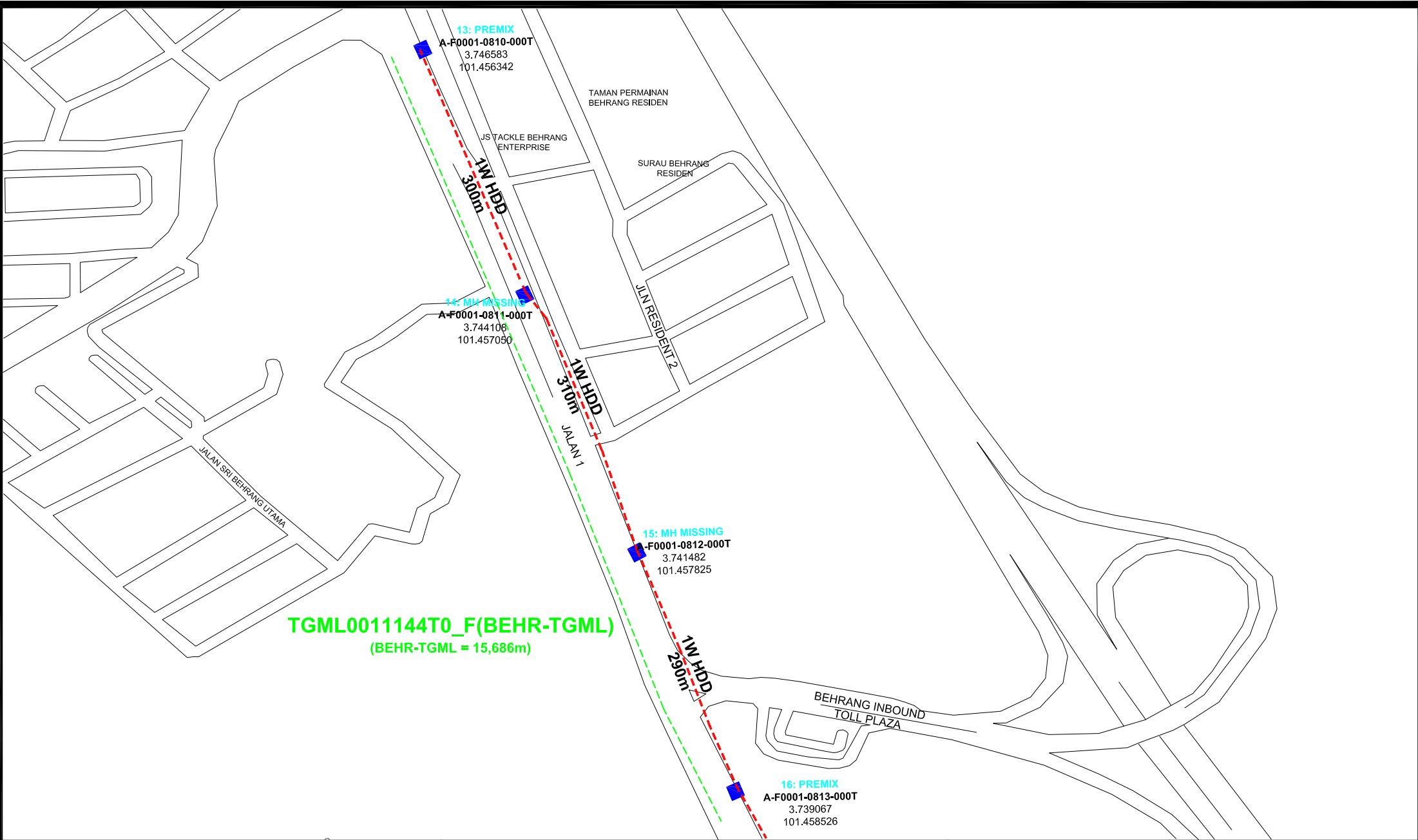
**Date:** 09/11/2020

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**Approved by:**  
 M NAZIM MAHMUD

**Sheet no :** 3 OF 19

**Rev:**



**TGML0011144T0\_F(BEHR-TGML)**  
 (BEHR-TGML = 15,686m)

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|--|---|---|---|--|--|
|  <p><b>MAXIS BROADBAND SDN BHD</b><br/>         Tingkat 8, Block 1A, Plaza Central,<br/>         Jalan Stesen Sentral 5,<br/>         Kuala Lumpur Sentral,<br/>         50470 Kuala Lumpur.</p> | <p><b>Title:</b><br/>         SLD FIBRE CABLE 144 CORE PLAN<br/>         FOR SITE " (BEHR - TGML) "<br/>         CABLE NAME: TGML0011144T0_F(BEHR-TGML)</p> | <p><b>Designed by:</b><br/>         SALURAN CEKAP (M) SDN BHD</p> | <p><b>Checked by:</b><br/>         M NAZIM MAHMUD</p> | <p><b>Approved by:</b><br/>         M NAZIM MAHMUD</p> |  |
|  | <p><b>Prepared by:</b><br/>         SALURAN CEKAP (M)<br/>         SDN BHD</p>  | <p><b>Date:</b><br/>         09/11/2020</p>                       | <p><b>Sheet no :</b><br/>         5 OF 19</p>         |  |  |
|  | <p><b>Job No:</b></p>   | <p><b>File:</b></p>   | <p><b>Rev:</b></p>                                    |  |  |

16: PREMIX  
A-F0001-0813-000T  
3.739067  
101.458526

1W HDD  
300m

17: MH MISSING  
A-F0001-0814-000T  
3.736582  
101.459258

1W HDD  
310m

18: A-F0001-0815-000T  
3.733990  
101.459933

1W HDD  
300m

D'HANIES CAFE  
FAUZIAH RADIN ENTERPRISE

19: MH MISSING  
A-F0001-0816-000T  
3.731532  
101.460724

1W HDD  
300m

20: MH MISSING  
A-F0001-0817-000T  
3.729148  
101.461753

1W HDD  
290m

21: MH MISSING  
A-F0001-0818-000T  
3.727675  
101.463709

1W HDD  
300m

22: A-F0001-0819-000T  
3.726500  
101.466030

320m

NATURAL EXOTIC FISH FISHING POND

23: A-F0001-0820-000T  
3.725225  
101.468518

270m

24: A-F0001-0821-000T  
3.724219  
101.470558

1W HDD  
310m

TF VALUE-MART TANJUNG MALIM

OYO 122A HOTEL HAJAH BOHAYAH

89 SPEEDMART 1724 BUKU BANDAR BEHRANG

25: A-F0001-0822-000T  
3.722994  
101.472896

**TGML0011144T0\_F(BEHR-TGML)**  
(BEHR-TGML = 15,686m)



**MAXIS BROADBAND SDN BHD**  
Tingkat 8, Block 1A, Plaza Central,  
Jalan Stesen Sentral 5,  
Kuala Lumpur, Sentral,  
50470 Kuala Lumpur.

**Title:**  
SLD FIBRE CABLE 144 CORE PLAN  
FOR SITE " (BEHR - TGML)"  
CABLE NAME: TGML0011144T0\_F(BEHR-TGML)

**Designed by:**  
SALURAN CEKAP (M) SDN BHD  
**Prepared by:**  
SALURAN CEKAP (M) SDN BHD

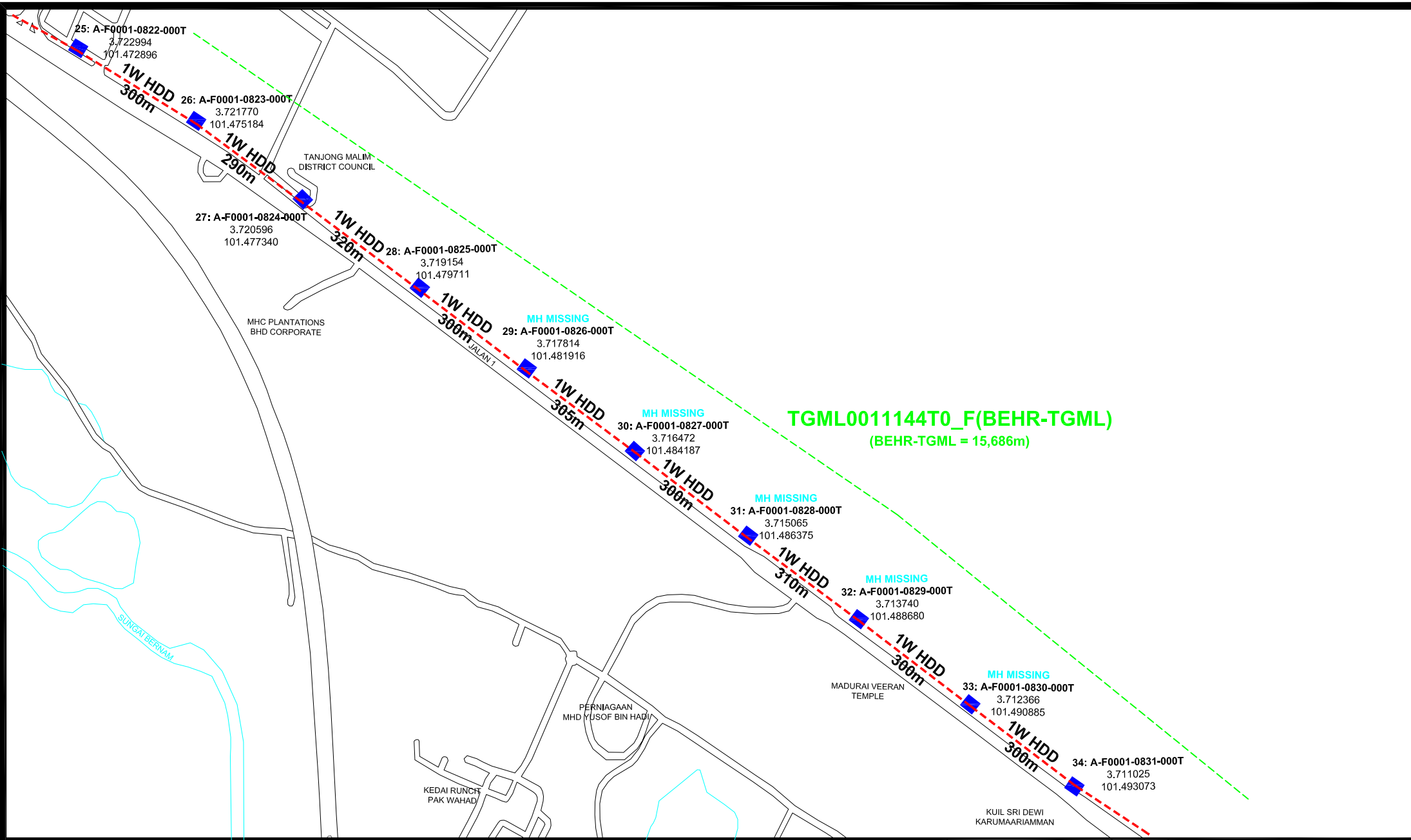
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**Checked by:**  
M NAZIM MAHMUD  
**Date:**  
09/11/2020

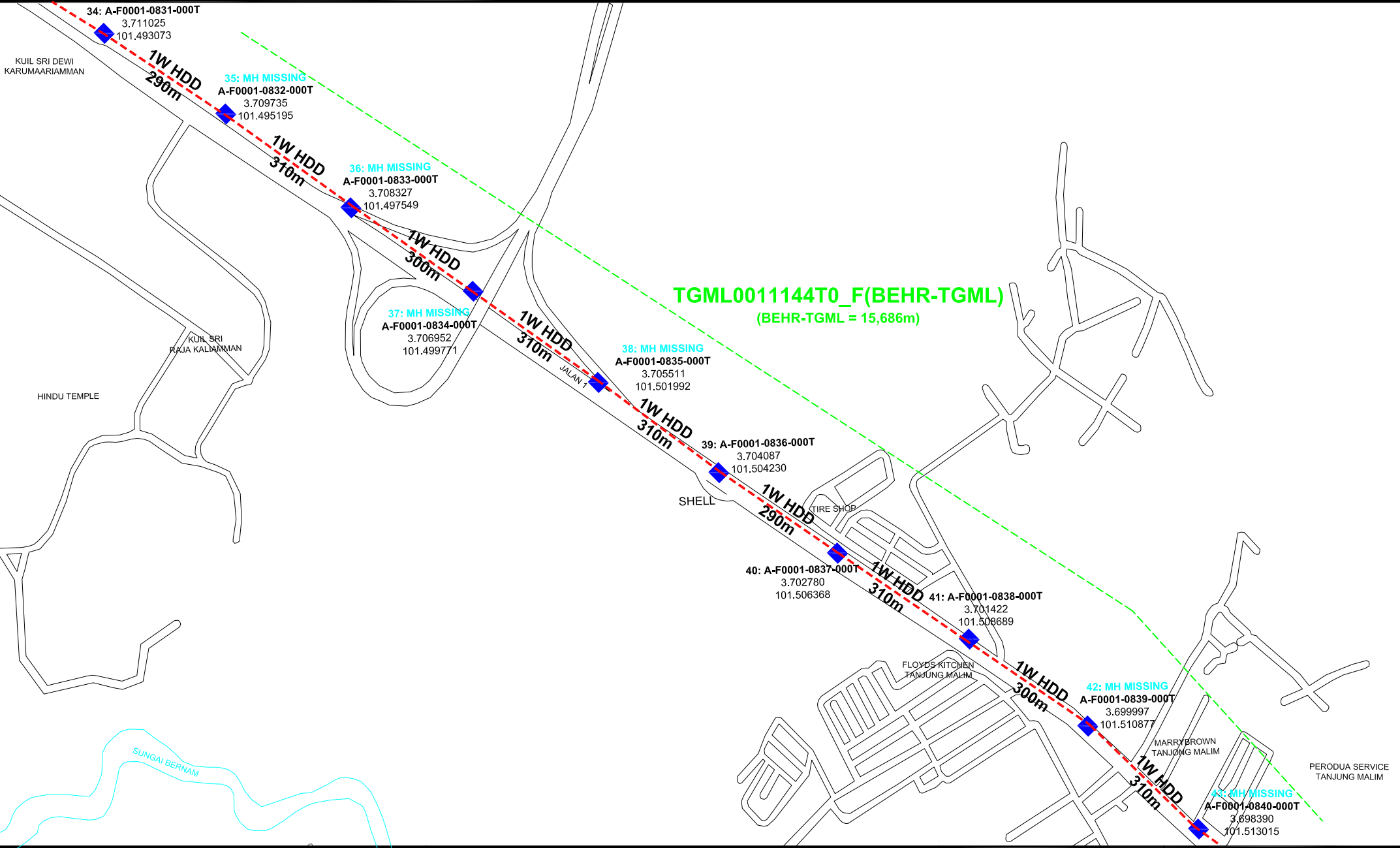
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**Approved by:**  
M NAZIM MAHMUD  
**Sheet no :**  
6 OF 19

**Rev:**



|  |  |  |  |   |
|--|--|--|--|---|
|  <p><b>MAXIS BROADBAND SDN BHD</b><br/>Tingkat 8, Block 1A, Plaza Central,<br/>Jalan Stesen Sentral 5,<br/>Kuala Lumpur Sentral,<br/>50470 Kuala Lumpur.</p> | <p><b>Title:</b><br/>SLD FIBRE CABLE 144 CORE PLAN<br/>FOR SITE " (BEHR - TGML)"<br/>CABLE NAME: TGML001144T0_F(BEHR-TGML)</p> | <p><b>Designed by:</b><br/>SALURAN CEKAP (M) SDN BHD</p> | <p><b>Checked by:</b><br/>M NAZIM MAHMUD</p> | <p><b>Approved by:</b><br/>M NAZIM MAHMUD</p> |
|  |  | <p><b>Prepared by:</b><br/>SALURAN CEKAP (M) SDN BHD</p> | <p><b>Date:</b><br/>09/11/2020</p>           | <p><b>Sheet no :</b><br/>7 OF 19</p>          |
|  |  | <p><b>Job No:</b></p>                                    | <p><b>File:</b></p>                          | <p><b>Rev:</b></p>                            |



**MAXIS BROADBAND SDN BHD**  
  
 Tingkat 8, Block 1A, Plaza Central,  
 Jalan Stesen Sentral 5,  
 Kuala Lumpur Sentral,  
 50470 Kuala Lumpur.

**Title:**  
 SLD FIBRE CABLE 144 CORE PLAN  
 FOR SITE " (BEHR - TGML)"  
 CABLE NAME: TGML001144T0\_F(BEHR-TGML)

**Designed by:**  
 SALURAN CEKAP (M) SDN BHD

**Prepared by:**  
 SALURAN CEKAP (M)  
 SDN BHD

**Job No:**

**Checked by:**  
 M NAZIM MAHMUD

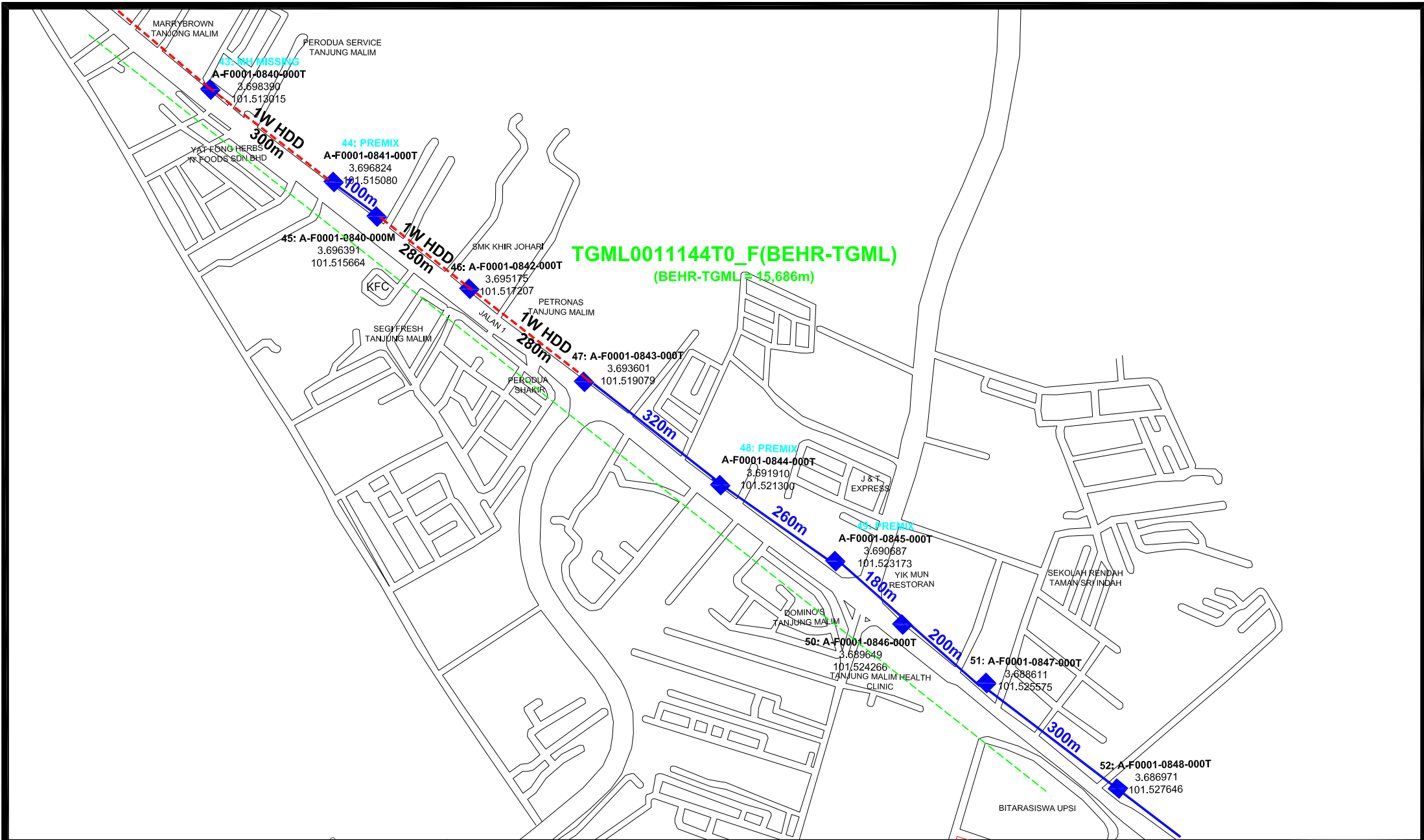
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**File:**

**Approved by:**  
 M NAZIM MAHMUD

**Sheet no :** 8 OF 19

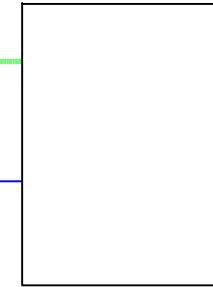
**Rev:**



|  |   |   |   |  |
|--|---|---|---|--|
|  <p><b>MAXIS BROADBAND SDN BHD</b><br/> Tingkat 8, Block 1A, Plaza Central,<br/> Jalan Stesen Sentral 5,<br/> Kuala Lumpur Sentral,<br/> 50470 Kuala Lumpur.</p> | <b>Title:</b><br>SLD FIBRE CABLE 144 CORE PLAN<br>FOR SITE " (BEHR - TGML)"<br>CABLE NAME: TGML0011144T0_F(BEHR-TGML) | <b>Designed by:</b><br><b>SALURAN CEKAP (M) SDN BHD</b> | <b>Checked by:</b><br><b>M NAZIM MAHMUD</b> | <b>Approved by:</b><br><b>M NAZIM MAHMUD</b> |
|  | <b>Prepared by:</b><br><b>SALURAN CEKAP (M) SDN BHD</b>   | <b>Date:</b> 09/11/2020                                 | <b>Sheet no :</b> 9 OF 19                   |  |
|  | <b>Job No:</b>  | <b>File:</b>  | <b>Rev:</b>                                 |  |

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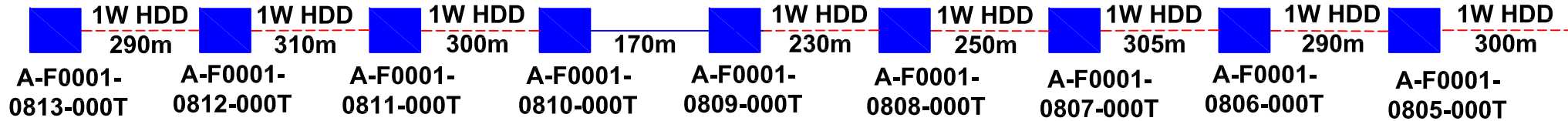
(BEHR-TGML = 15,686m)



**MAXIS SITE  
"BEHR"**

**TGML0011144T0\_F(BEHR-TGML)**

(BEHR-TGML = 15,686m)



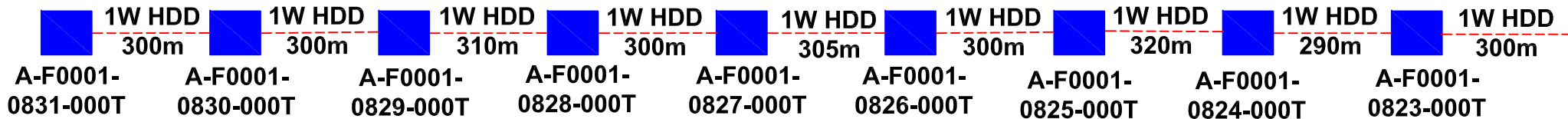
**TGML0011144T0\_F(BEHR-TGML)**

(BEHR-TGML = 15,686m)



**TGML0011144T0\_F(BEHR-TGML)**

(BEHR-TGML = 15,686m)



**MAXIS BROADBAND SDN BHD**

Tingkat 8, Block 1A, Plaza Central,  
Jalan Stesen Sentral 5,  
Kuala Lumpur Sentral,  
50470 Kuala Lumpur.

**Title:**

SLD FIBRE CABLE 144 CORE PLAN  
FOR SITE " (BEHR - TGML) "  
CABLE NAME: TGML0011144T0\_F(BEHR-TGML)

**Designed by:**

SALURAN CEKAP (M) SDN BHD

**Prepared by:**

SALURAN CEKAP (M)  
SDN BHD

**Job No:**

**Checked by:**

M NAZIM MAHMUD

**Date:** 09/11/2020

**File:**

**Approved by:**

M NAZIM MAHMUD

**Sheet no :** 01 OF 02

**Rev:**

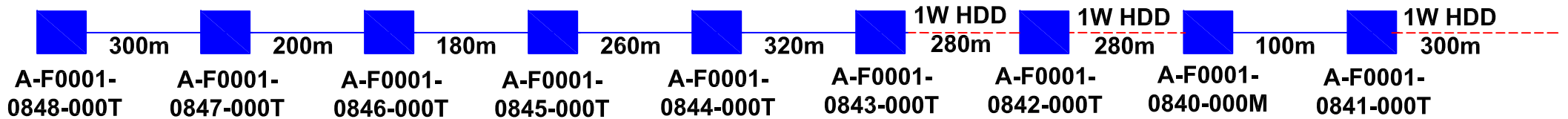
**TGML0011144T0\_F(BEHR-TGML)**

(BEHR-TGML = 15,686m)



**TGML0011144T0\_F(BEHR-TGML)**

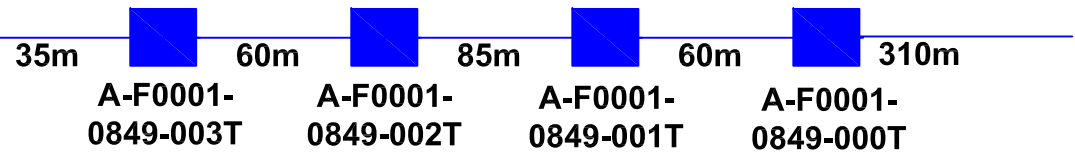
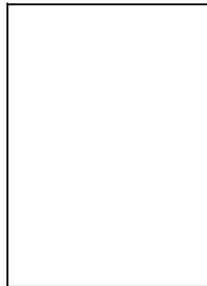
(BEHR-TGML = 15,686m)



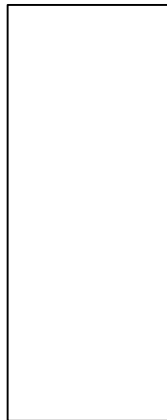
**TGML0011144T0\_F(BEHR-TGML)**

(BEHR-TGML = 15,686m)

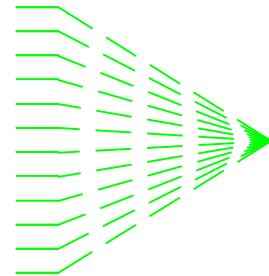
**MAXIS SITE  
"TGML"**



**MAXIS SITE  
"BHER"**

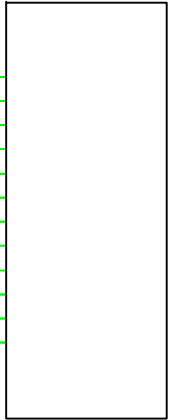


01 - 12  
13 - 24  
25 - 36  
37 - 48  
49 - 60  
61 - 72  
73 - 84  
85 - 96  
97 - 108  
109 - 120  
121 - 132  
133 - 144

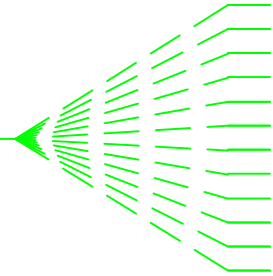


**TGML0011144T0\_F(BEHR-TGML)**  
(BEHR-TGML = 15,686m)

**MAXIS SITE  
"TGML"**



01 - 12  
13 - 24  
25 - 36  
37 - 48  
49 - 60  
61 - 72  
73 - 84  
85 - 96  
97 - 108  
109 - 120  
121 - 132  
133 - 144



**MAXIS BROADBAND SDN BHD**  
Tingkat 8, Block 1A, Plaza Central,  
Jalan Stesen Sentral 5,  
Kuala Lum,pur Sentral,  
50470 Kuala Lumpur.

**Title:**  
SLD FIBRE CABLE 144 CORE PLAN  
FOR SITE " (BEHR - TGML)"  
CABLE NAME: TGML0011144T0\_F(BEHR-TGML)

**Designed by:**  
SALURAN CEKAP (M) SDN BHD  
**Prepared by:** SALURAN CEKAP (M)  
SDN BHD  
**Job No:**

**Checked by:**  
M NAZIM MAHMUD  
**Date:** 09/11/2020  
**File:**

**Approved by:**  
M NAZIM MAHMUD  
**Sheet no :** 01 OF 01  
**Rev:**

**MAXIS BROADBAND SDN BHD.**  
**CABLE CUTTING PLAN**

|                      |   |  |
|----------------------|---|--|
| PROJECT DETAIL (OSP) | : |  |
| PROJECT NAME         | : | PROPOSED NEW CABLE FIBRE 144 CORES TO SITE (BGUN-AGAK) |
| PROJECT TYPE         | : |  |
| TITLE                | : |  |
| PROJECT CADE         | : |  |
| CONTRACTOR           | : | SALURAN CEKAP  |
| PROJECT MANAGER      | : |  |
| LOCATION             | : | BEHR-TGML  |
| QUANTITY REQUESTED   | : |  |
| REQUIRED DATE        | : |  |

| NO | SECTION           |    | CABLE SIZE        | ROUTE DISTANCE (METER) | CABLE ALLOWONES (METER) | ACTUAL CABLE LENGTH | SPLICING/ TERMINATION POINT | REMARKS     |                  |
|----|-------------------|----|-------------------|------------------------|-------------------------|---------------------|-----------------------------|-------------|------------------|
| 1  | SITE BEHR         | TO | A-F0001-0803-005T | 144CORE                | 40                      | 4.00                | 44.00                       | TAPING      | MAXIS SITE"BEHR" |
| 2  | A-F0001-0803-005T | TO | A-F0001-0803-004T | 144CORE                | 70                      | 7.00                | 77.00                       |             |                  |
| 3  | A-F0001-0803-004T | TO | A-F0001-0803-003T | 144CORE                | 140                     | 14.00               | 154.00                      |             |                  |
| 4  | A-F0001-0803-003T | TO | A-F0001-0803-002T | 144CORE                | 135                     | 13.50               | 148.50                      |             |                  |
| 5  | A-F0001-0803-002T | TO | A-F0001-0803-001T | 144CORE                | 135                     | 13.50               | 148.50                      |             |                  |
| 6  | A-F0001-0803-001T | TO | A-F0001-0803-000T | 144CORE                | 80                      | 8.00                | 88.00                       |             |                  |
| 7  | A-F0001-0803-000T | TO | A-F0001-0804-005T | 144CORE                | 290                     | 29.00               | 319.00                      |             |                  |
| 8  | A-F0001-0804-005T | TO | A-F0001-0805-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 9  | A-F0001-0805-000T | TO | A-F0001-0806-000T | 144CORE                | 290                     | 29.00               | 319.00                      |             |                  |
| 10 | A-F0001-0806-000T | TO | A-F0001-0807-000T | 144CORE                | 305                     | 30.50               | 335.50                      |             |                  |
| 11 | A-F0001-0807-000T | TO | A-F0001-0808-000T | 144CORE                | 250                     | 25.00               | 275.00                      |             |                  |
| 12 | A-F0001-0808-000T | TO | A-F0001-0809-000T | 144CORE                | 230                     | 23.00               | 253.00                      |             |                  |
| 13 | A-F0001-0809-000T | TO | A-F0001-0810-000T | 144CORE                | 170                     | 17.00               | 187.00                      |             |                  |
| 14 | A-F0001-0810-000T | TO | A-F0001-0811-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 15 | A-F0001-0811-000T | TO | A-F0001-0812-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 16 | A-F0001-0812-000T | TO | A-F0001-0813-000T | 144CORE                | 290                     | 29.00               | 319.00                      |             |                  |
| 17 | A-F0001-0813-000T | TO | A-F0001-0814-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 18 | A-F0001-0814-000T | TO | A-F0001-0815-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 19 | A-F0001-0815-000T | TO | A-F0001-0816-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 20 | A-F0001-0816-000T | TO | A-F0001-0817-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 21 | A-F0001-0817-000T | TO | A-F0001-0818-000T | 144CORE                | 290                     | 29.00               | 319.00                      |             |                  |
| 22 | A-F0001-0818-000T | TO | A-F0001-0819-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 23 | A-F0001-0819-000T | TO | A-F0001-0820-000T | 144CORE                | 320                     | 32.00               | 352.00                      |             |                  |
| 24 | A-F0001-0820-000T | TO | A-F0001-0821-000T | 144CORE                | 270                     | 27.00               | 297.00                      |             |                  |
| 25 | A-F0001-0821-000T | TO | A-F0001-0822-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 26 | A-F0001-0822-000T | TO | A-F0001-0823-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 27 | A-F0001-0823-000T | TO | A-F0001-0824-000T | 144CORE                | 290                     | 29.00               | 319.00                      |             |                  |
| 28 | A-F0001-0824-000T | TO | A-F0001-0825-000T | 144CORE                | 320                     | 32.00               | 352.00                      |             |                  |
| 29 | A-F0001-0825-000T | TO | A-F0001-0826-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 30 | A-F0001-0826-000T | TO | A-F0001-0827-000T | 144CORE                | 305                     | 30.50               | 335.50                      |             |                  |
| 31 | A-F0001-0827-000T | TO | A-F0001-0828-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 32 | A-F0001-0828-000T | TO | A-F0001-0829-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 33 | A-F0001-0829-000T | TO | A-F0001-0830-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 34 | A-F0001-0830-000T | TO | A-F0001-0831-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 35 | A-F0001-0831-000T | TO | A-F0001-0832-000T | 144CORE                | 290                     | 29.00               | 319.00                      |             |                  |
| 36 | A-F0001-0832-000T | TO | A-F0001-0833-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 37 | A-F0001-0833-000T | TO | A-F0001-0834-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 38 | A-F0001-0834-000T | TO | A-F0001-0835-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 39 | A-F0001-0835-000T | TO | A-F0001-0836-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 40 | A-F0001-0836-000T | TO | A-F0001-0837-000T | 144CORE                | 290                     | 29.00               | 319.00                      |             |                  |
| 41 | A-F0001-0837-000T | TO | A-F0001-0838-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 42 | A-F0001-0838-000T | TO | A-F0001-0839-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 43 | A-F0001-0839-000T | TO | A-F0001-0840-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 44 | A-F0001-0840-000T | TO | A-F0001-0841-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 45 | A-F0001-0841-000T | TO | A-F0001-0840-000M | 144CORE                | 100                     | 10.00               | 110.00                      |             |                  |
| 46 | A-F0001-0840-000M | TO | A-F0001-0842-000T | 144CORE                | 280                     | 28.00               | 308.00                      |             |                  |
| 47 | A-F0001-0842-000T | TO | A-F0001-0843-000T | 144CORE                | 280                     | 28.00               | 308.00                      |             |                  |
| 48 | A-F0001-0843-000T | TO | A-F0001-0844-000T | 144CORE                | 320                     | 32.00               | 352.00                      |             |                  |
| 49 | A-F0001-0844-000T | TO | A-F0001-0845-000T | 144CORE                | 260                     | 26.00               | 286.00                      |             |                  |
| 50 | A-F0001-0845-000T | TO | A-F0001-0846-000T | 144CORE                | 180                     | 18.00               | 198.00                      |             |                  |
| 51 | A-F0001-0846-000T | TO | A-F0001-0847-000T | 144CORE                | 200                     | 20.00               | 220.00                      |             |                  |
| 52 | A-F0001-0847-000T | TO | A-F0001-0848-000T | 144CORE                | 300                     | 30.00               | 330.00                      |             |                  |
| 53 | A-F0001-0848-000T | TO | A-F0001-0849-000T | 144CORE                | 310                     | 31.00               | 341.00                      |             |                  |
| 54 | A-F0001-0849-000T | TO | A-F0001-0849-001T | 144CORE                | 60                      | 6.00                | 66.00                       |             |                  |
| 55 | A-F0001-0849-001T | TO | A-F0001-0849-002T | 144CORE                | 85                      | 8.50                | 93.50                       |             |                  |
| 56 | A-F0001-0849-002T | TO | A-F0001-0849-003T | 144CORE                | 60                      | 6.00                | 66.00                       |             |                  |
| 57 | A-F0001-0849-003T | TO | SITE TGML         | 144CORE                | 35                      | 3.50                | 38.50                       | TERMINATION | MAXIS SITE"TGML" |
|    |                   |    |                   | 14,260.00              |                         |                     | 15,686.00                   |             |                  |

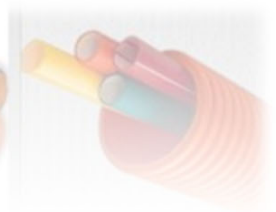
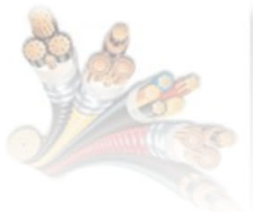
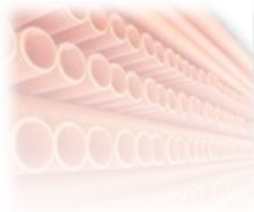


Sistem Komunikasi  
yang Lebih Baik

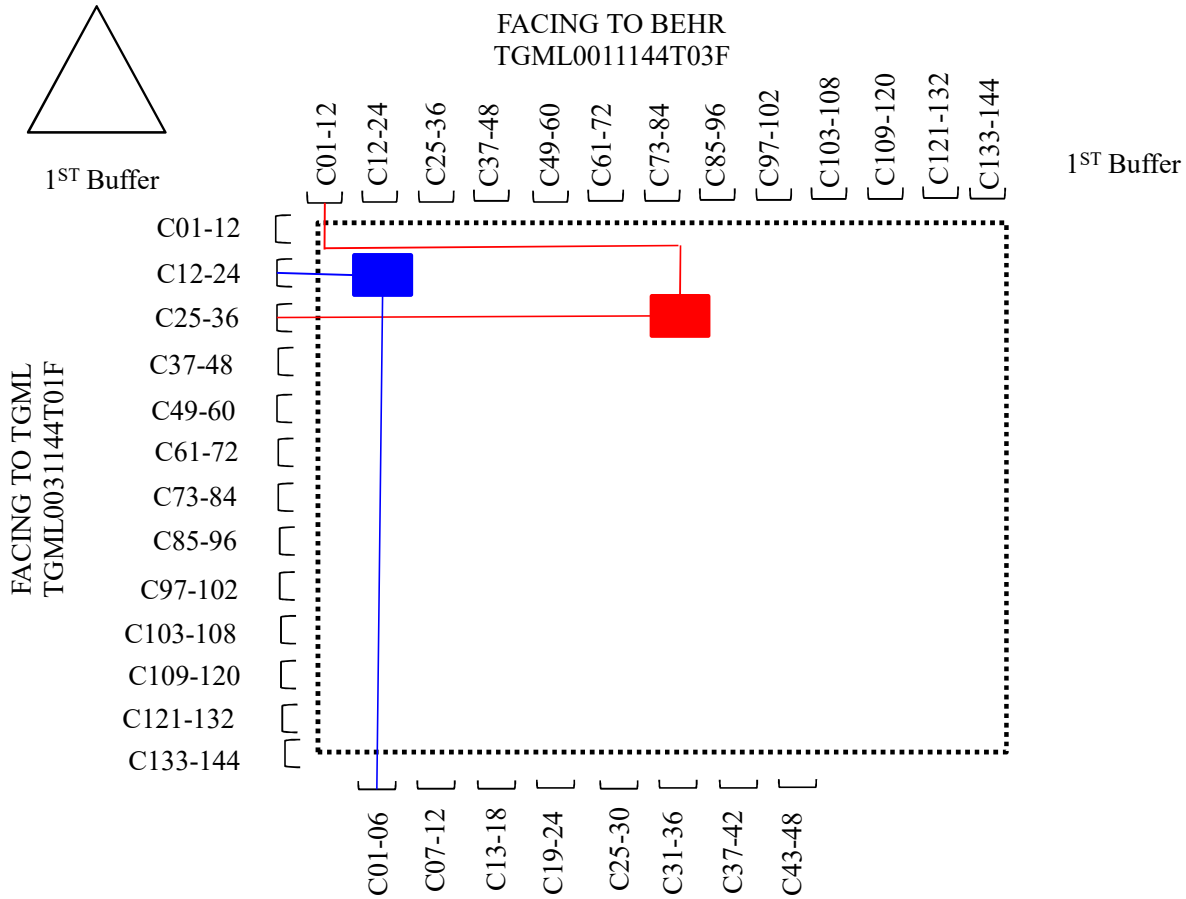


## Section 7

# Core Assignment Plan



\*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 SITE BEHR



LOCATION AT SITE BEHR

Photo 2



**LOCATION TOWARD SITE**



**LOCATION TOWARD SITE**

Photo 3



LOCATION TOWARD SITE



LOCATION AT JALAN 1

Photo 4



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 5



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 6



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 7



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 8



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 9



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 10



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 11



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 12



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 13



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 14



A-F0001-0823-000T

LOCATION AT JALAN 1



A-F0001-0824-000T

LOCATION AT JALAN 1

Photo 15



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 16



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 17



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 18



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 19



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 20



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 21



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 22



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 23



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 24



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 25



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 26



LOCATION AT JALAN 1



LOCATION AT JALAN 1

Photo 27



**LOCATION AT JALAN 1**



**LOCATION AT JALAN 1**

Photo 28



LOCATION AT JALAN 1



LOCATION TOWARD SITE

Photo 29



LOCATION TOWARD SITE



LOCATION AT TGML

## Section 10: Internal Trenching Permit/Snapshot

Photo 1



LOCATION AT SITE BEHR



LOCATION AT SITE TGML

