

Accelerating Transport and Trade
Connectivity in Eastern South Asia
(ACCESS) Project, Bhutan

Gelephu- Tareythang Road

Environmental and Social Impact
Assessment (ESIA) for Disclosure and
Consultation - Appendix



Department of Surface Transport
(DoST), Ministry of Infrastructure
and Transport, Royal Government
of Bhutan (RGoB)

DATE
November 22, 2024



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Disclaimer:

This Environmental and Social Impact Assessment (ESIA) for the Gelephu-Tareythang Road forms part of the environmental and social (E&S) due diligence for the Accelerating Transport and Trade Connectivity in Eastern South Asia (ACCESS) Bhutan Project. The ESIA was prepared by the Department of Surface Transport (DOST), Ministry of Infrastructure and Transport, Royal Government of Bhutan, and follows Good International Industry Practices (GIIP) and the Bank's Environmental and Social Framework (ESF).

The review of this ESIA is a key part of the Bank's due diligence process and is currently ongoing. This ESIA may still contain gaps to fully address all pertinent E&S issues in the project. Any gaps in this ESIA will be filled through supplemental studies, assessments, and/or plans that will be completed in a reasonable timeframe to ensure compliance with the ESF.

For the benefit of potentially project affected people (PAP) and other interested stakeholders, and in alignment with the Bank's Policy on Access to Information this ESIA is being disclosed as soon as it became available. The disclosure of this ESIA, however, should not be considered as a final clearance of the ESIA by the World Bank.

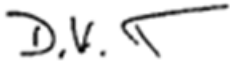
[Image on front page shows the Mau River in the project area]

SIGNATURE PAGE

Gelephu-Tareythang Road

Environmental and Social Impact Assessment (ESIA) for Disclosure and Consultation - Appendix

0743906



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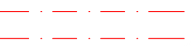
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APPENDIX A BRIDGE WITH THE ELEPHANT CORRIDOR

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LEGEND:

-  PROPOSED ROAD
-  PREFERRED ALIGNMENT
-  BHUTAN-INDIA BORDER
-  PROJECT BOUNDARY



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TRANSPORT

WORLD BANK GROUP

ARUP

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GELEPHU-TAREYTHANG ROAD
ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

Drawing Title

OVERVIEW PLAN

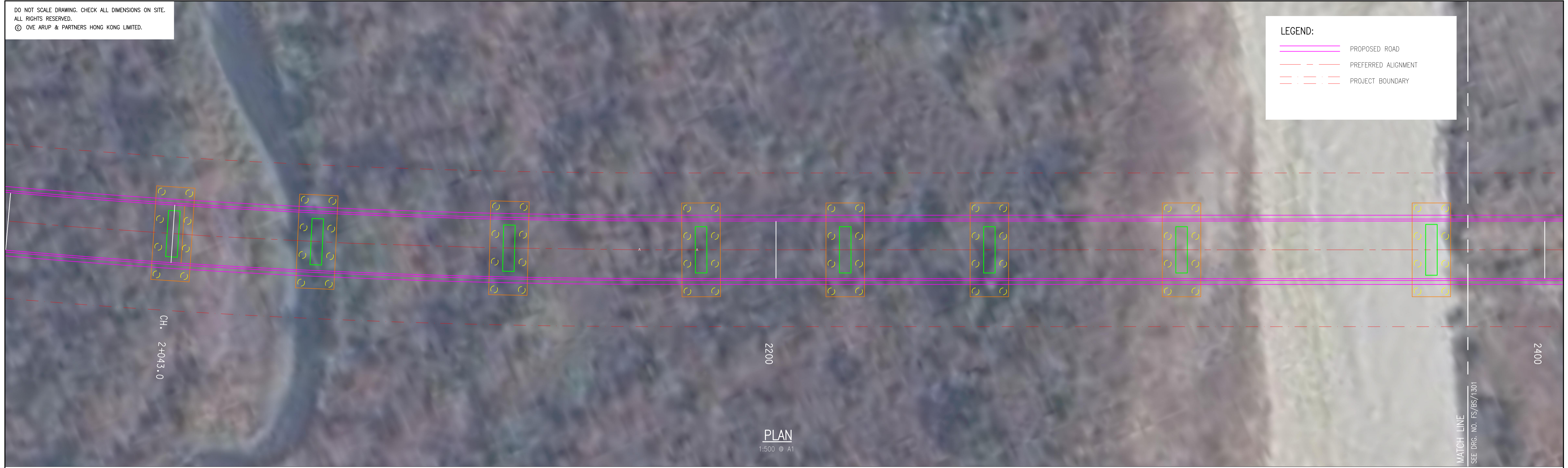
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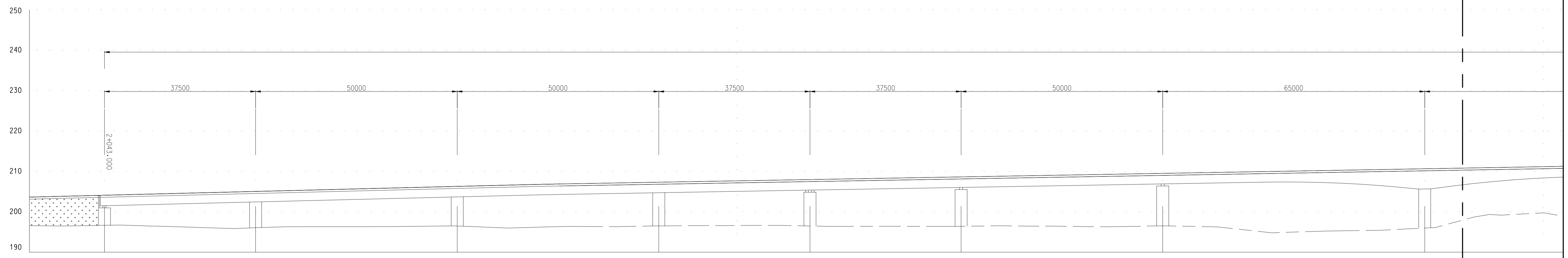
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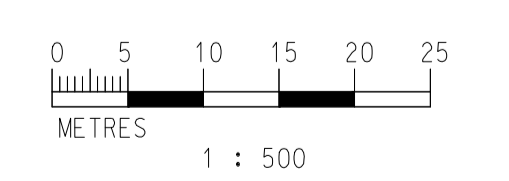
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ELEVATION
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SEE DRG. NO. FS/BS/1301



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GELEPHU-TAREYTHANG ROAD
ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

Drawing Title
MAU RIVER BRIDGE
OPTION 3.1
PLAN AND ELEVATION

(SHEET 1)

Rev.	Description	Date
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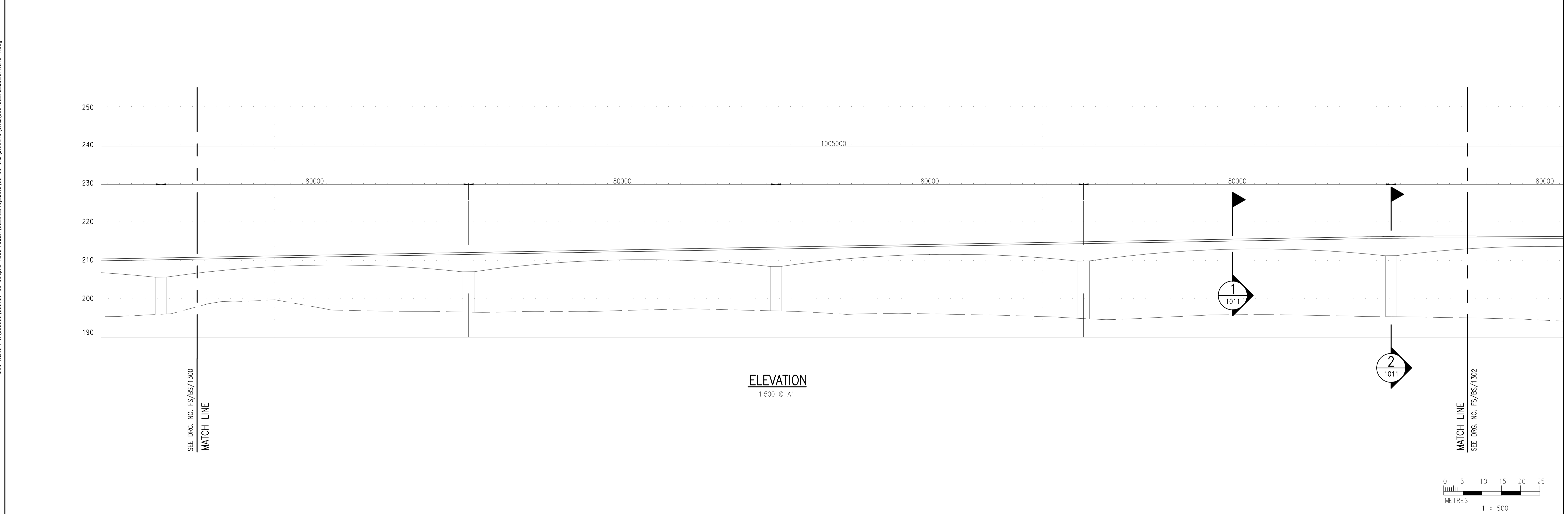
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ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

Drawing Title

MAU RIVER BRIDGE
OPTION 3.1
PLAN AND ELEVATION

Rev.	Description	Date
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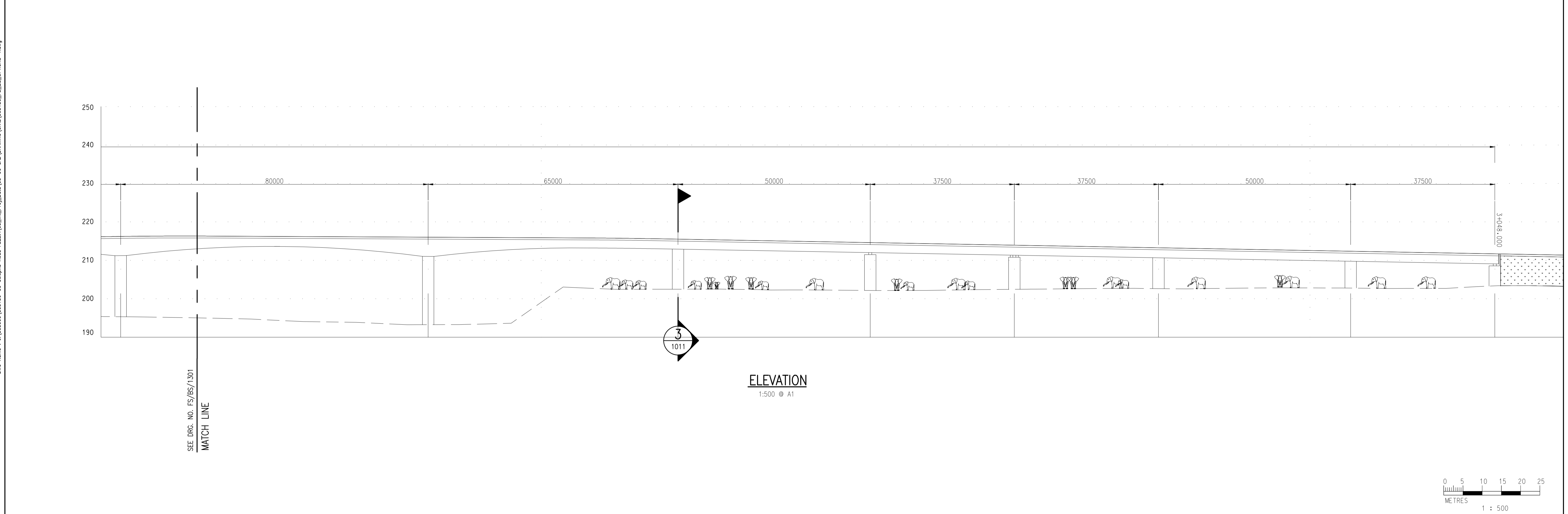
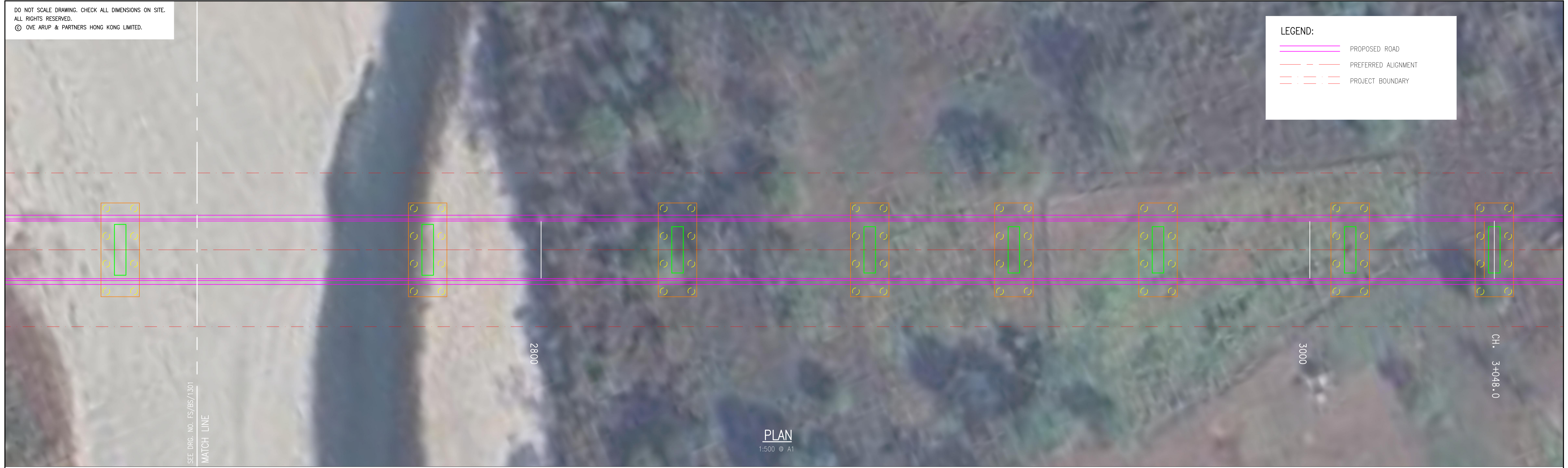
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GELEPHU-TAREYTHANG ROAD
ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

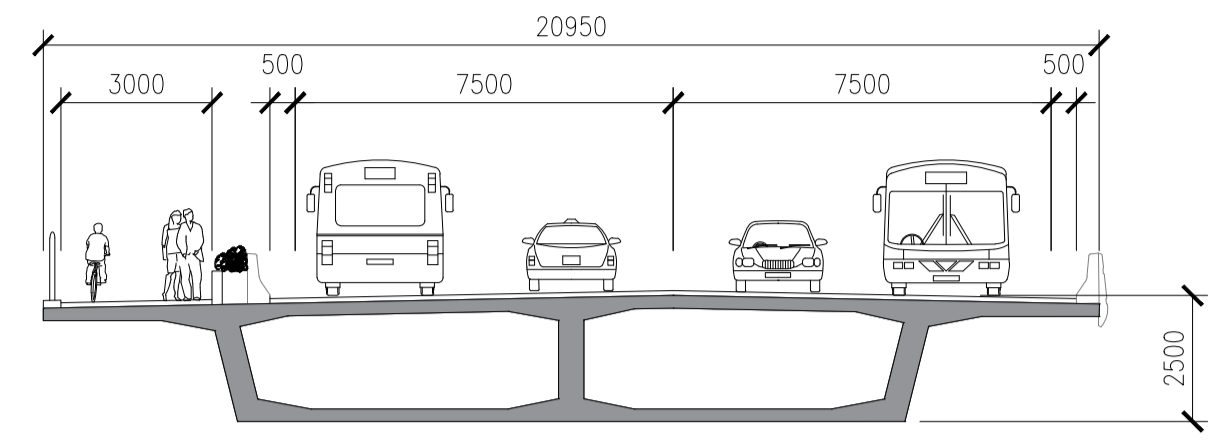
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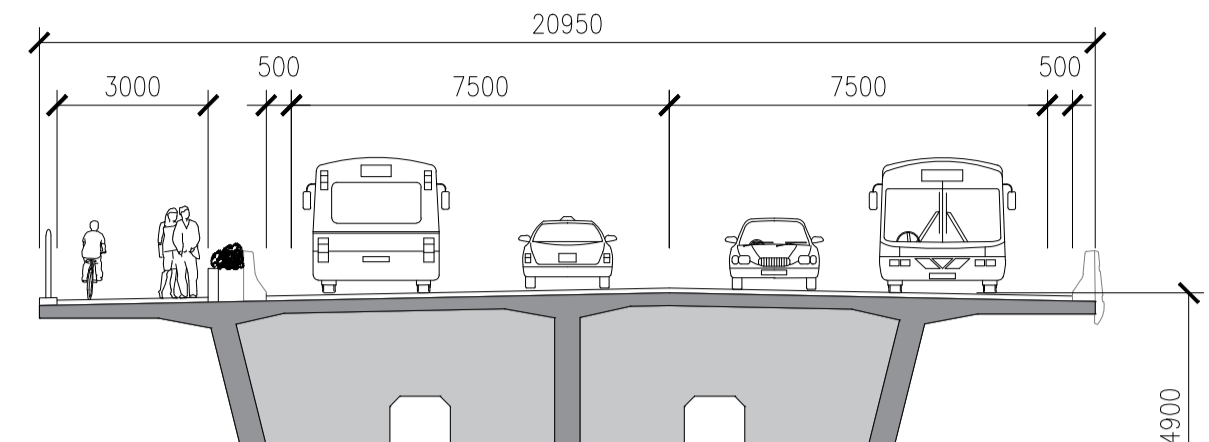
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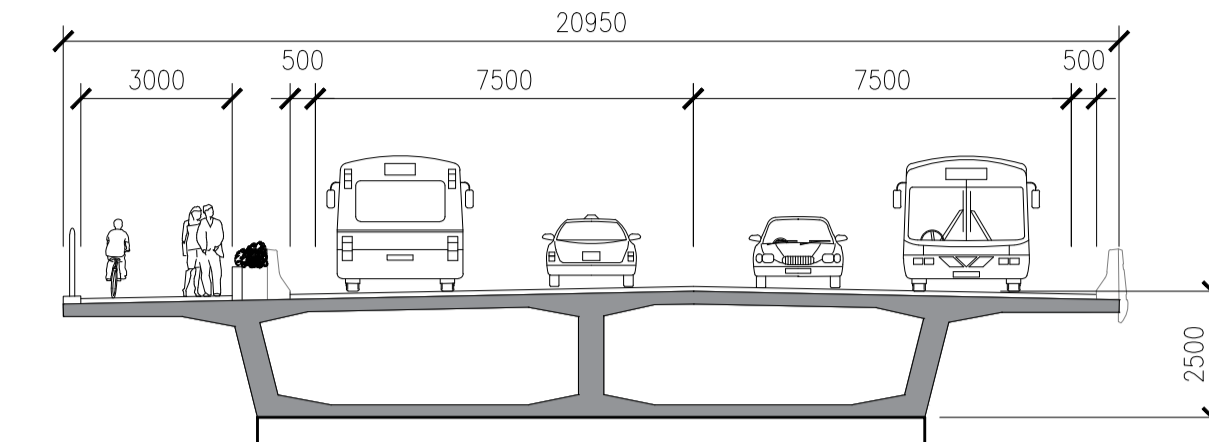
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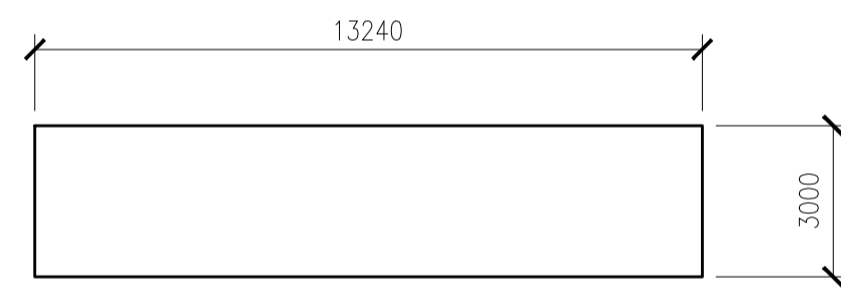
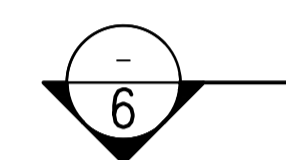
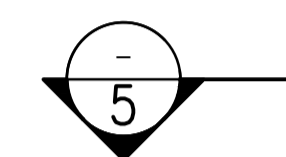
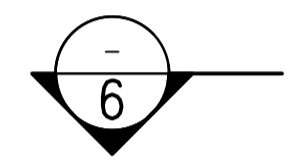
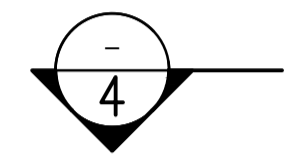
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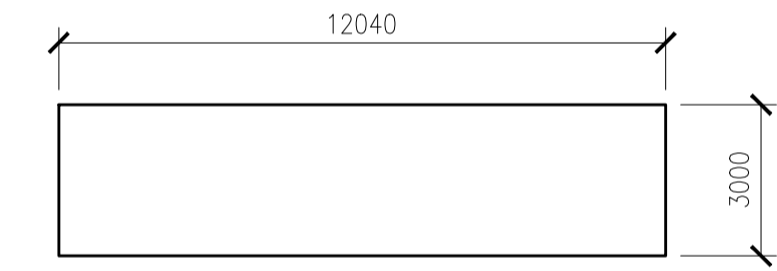
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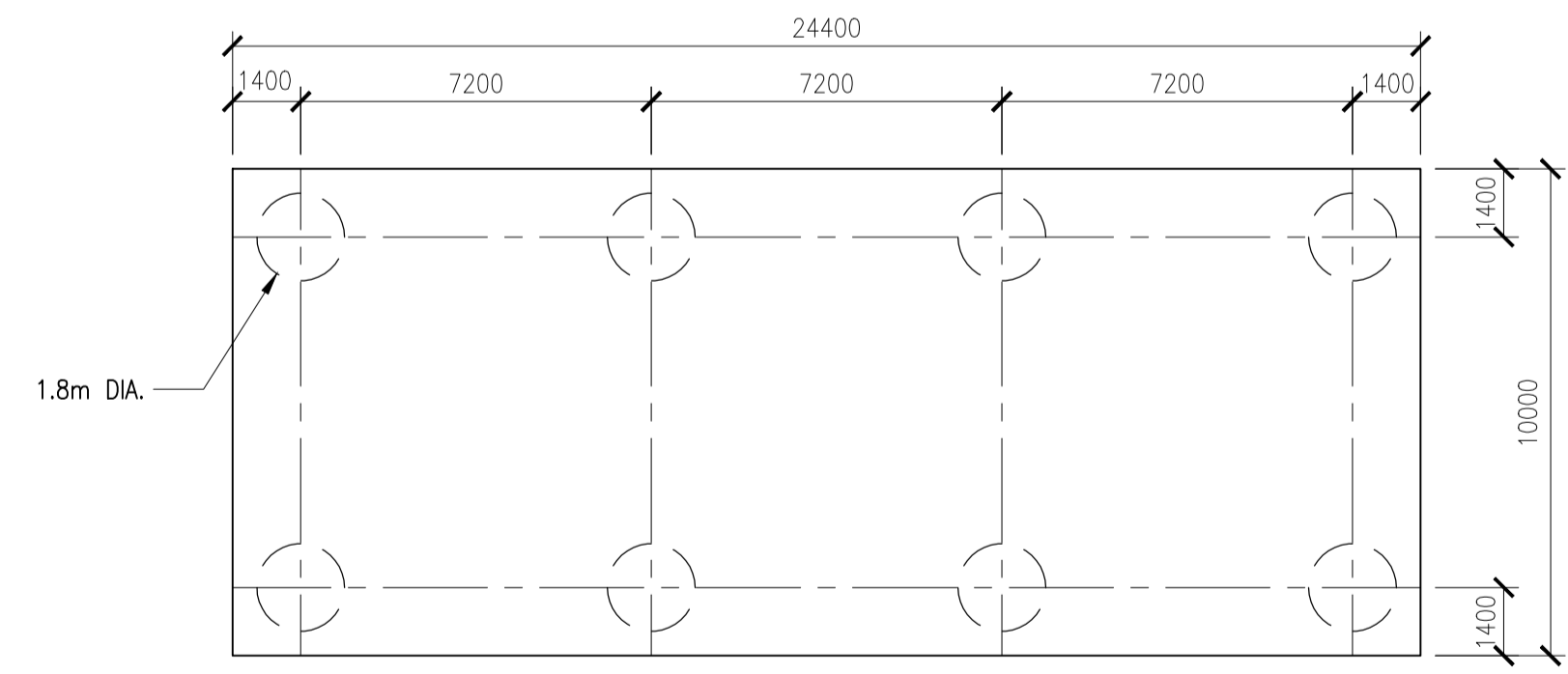
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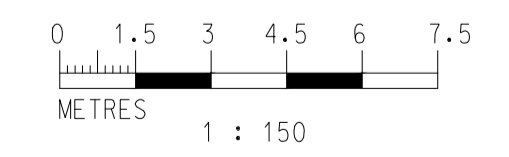


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SECTION 6
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OPTION 3.1






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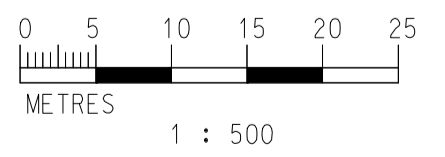
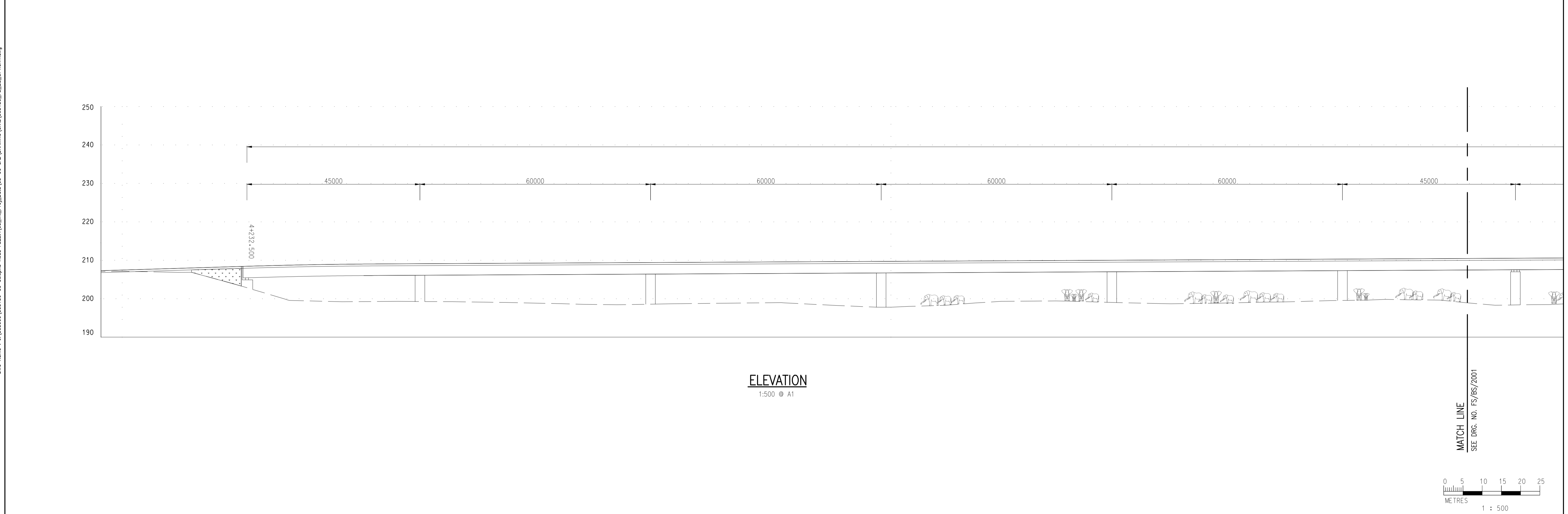
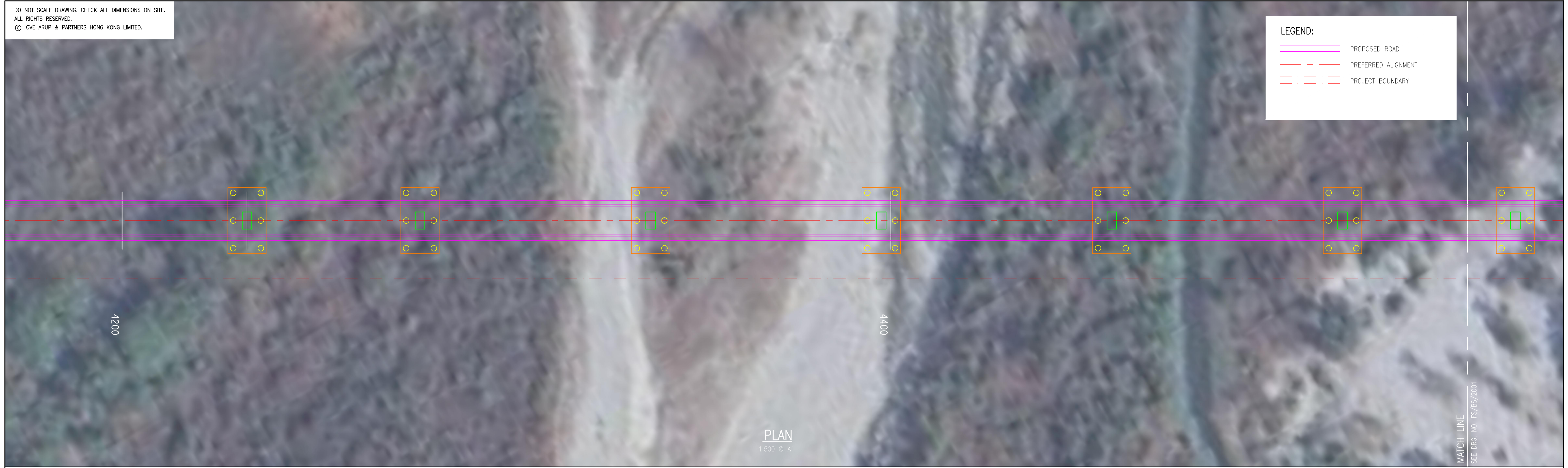
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Project

GELEPHU-TAREYTHANG ROAD
ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

Drawing Title




JENGHURUNG RIVER AND TAKLAI
RIVER CROSSING OPTION 1
PLAN AND ELEVATION

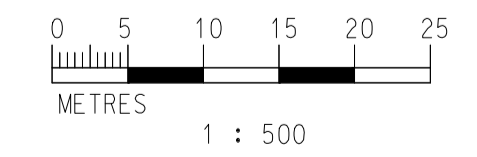
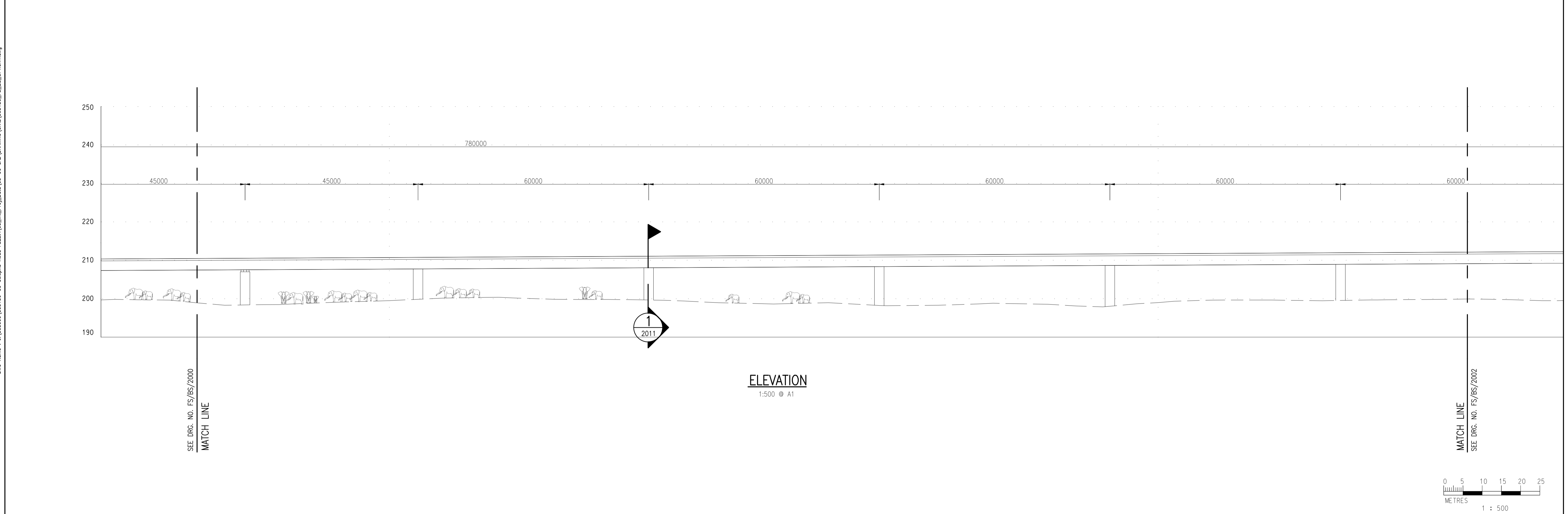
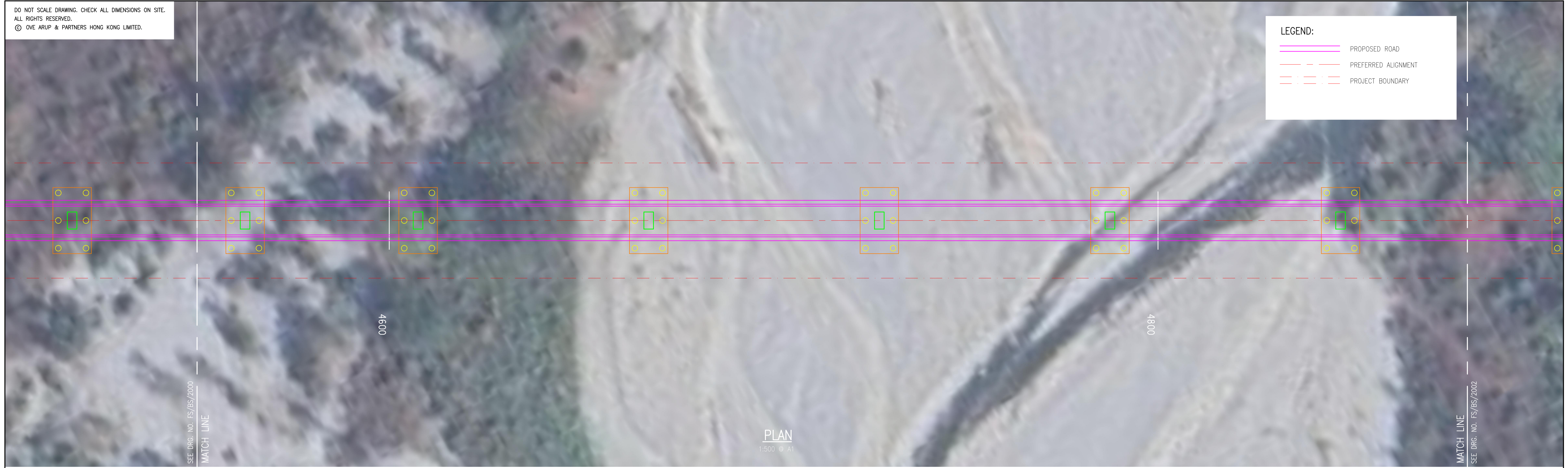
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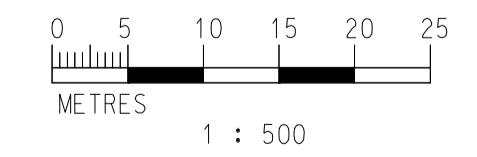
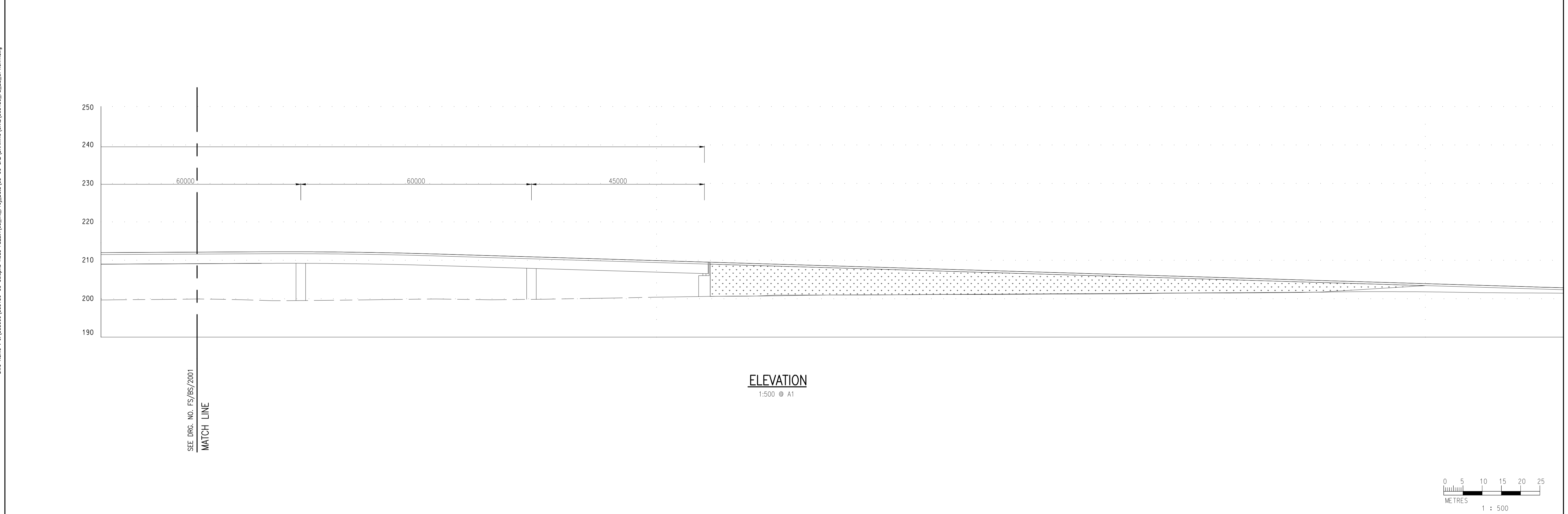
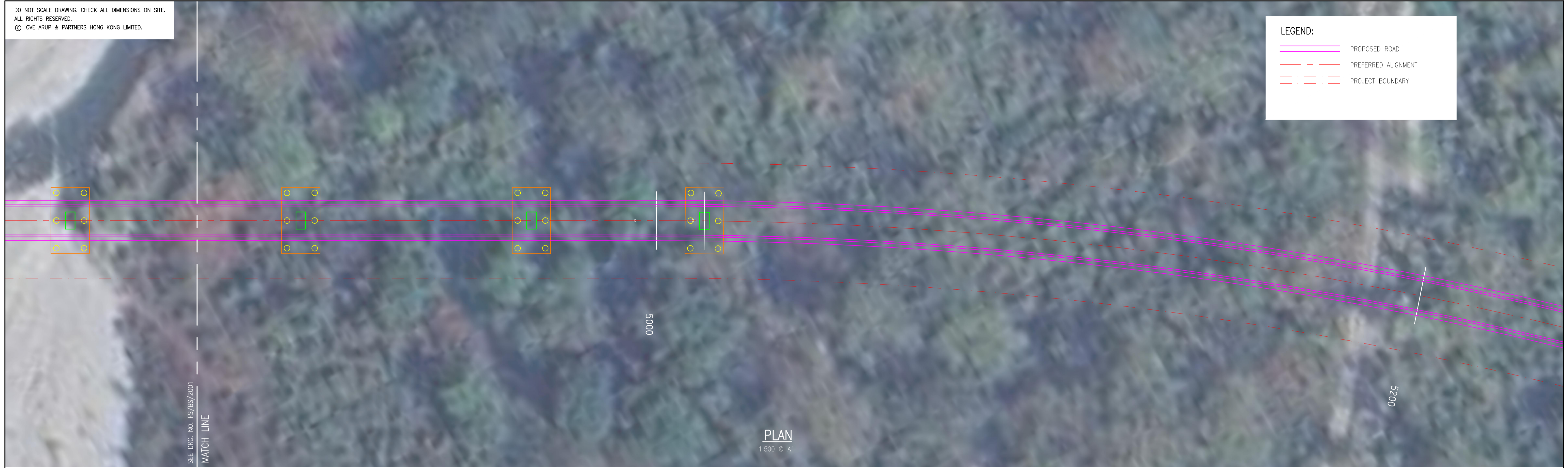
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Project
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ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

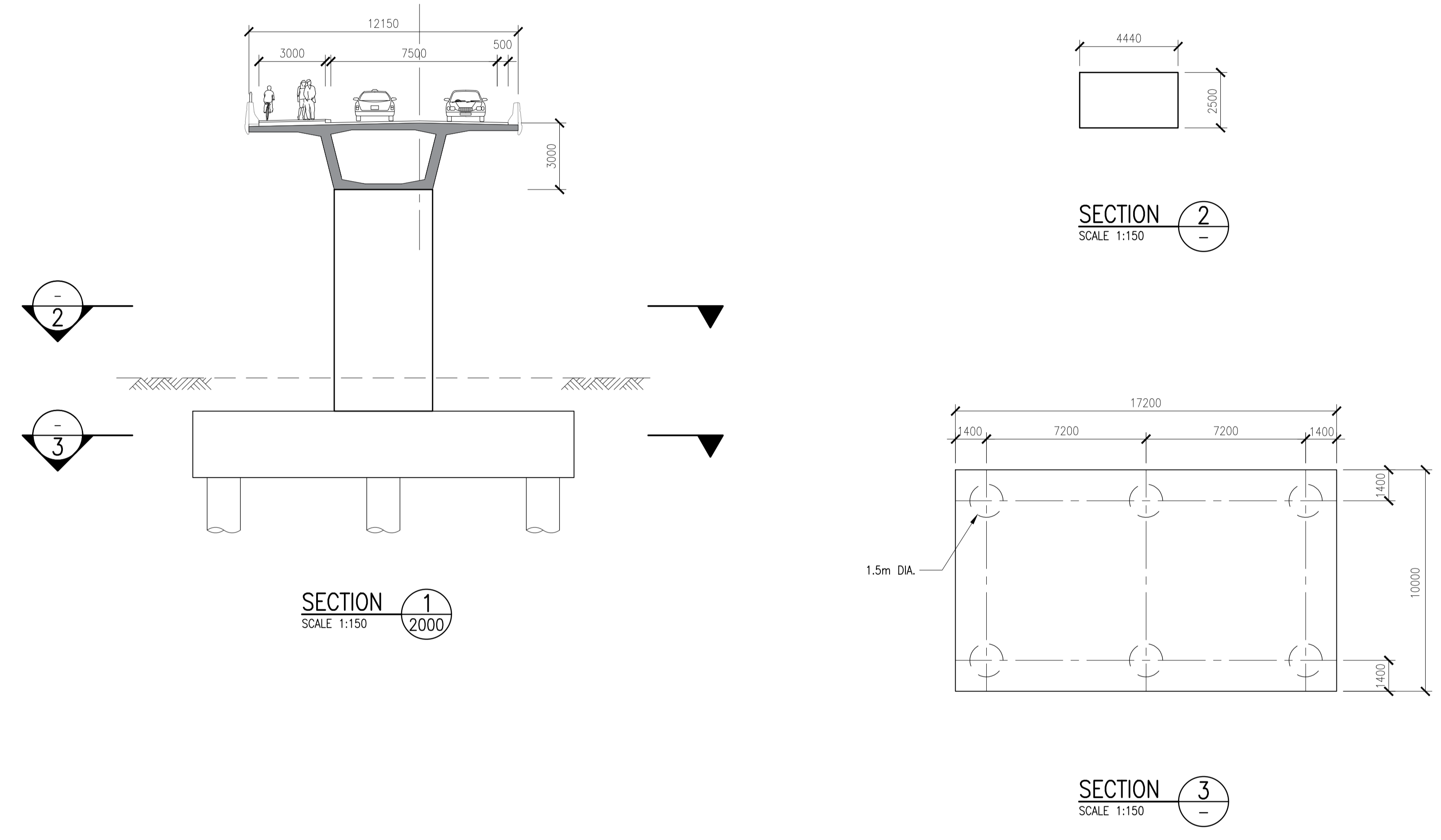
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RIVER CROSSING OPTION 1
PLAN AND ELEVATION

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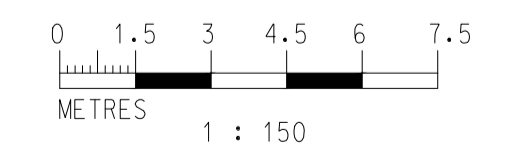
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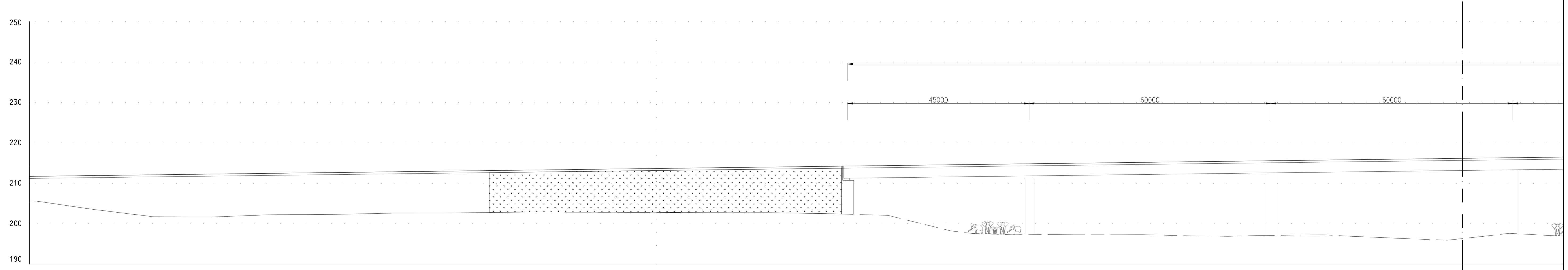
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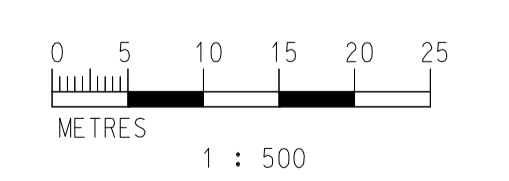
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SEE DRG. NO. FS/BS/3001



ELEVATION
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GELEPHU-TAREYTHANG ROAD
ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

Drawing Title

LANGER RIVER CROSSING
OPTION 1
PLAN AND ELEVATION

(SHEET 1)

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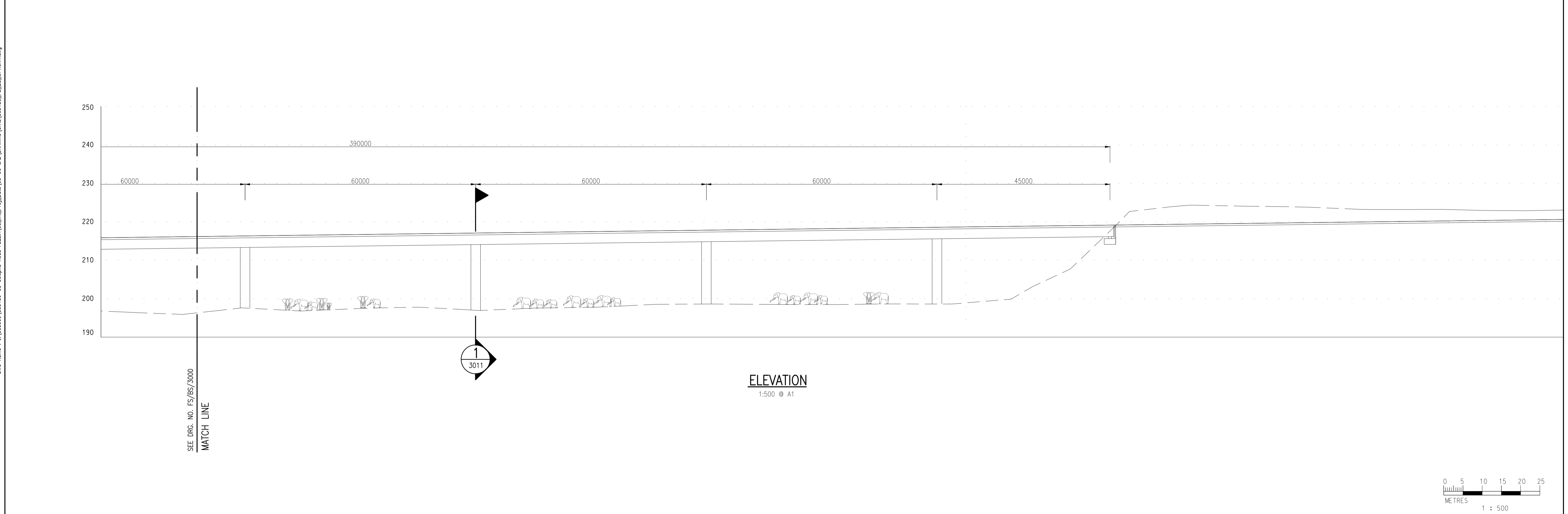
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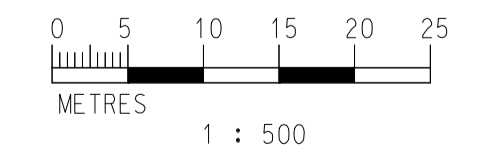
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ELEVATION
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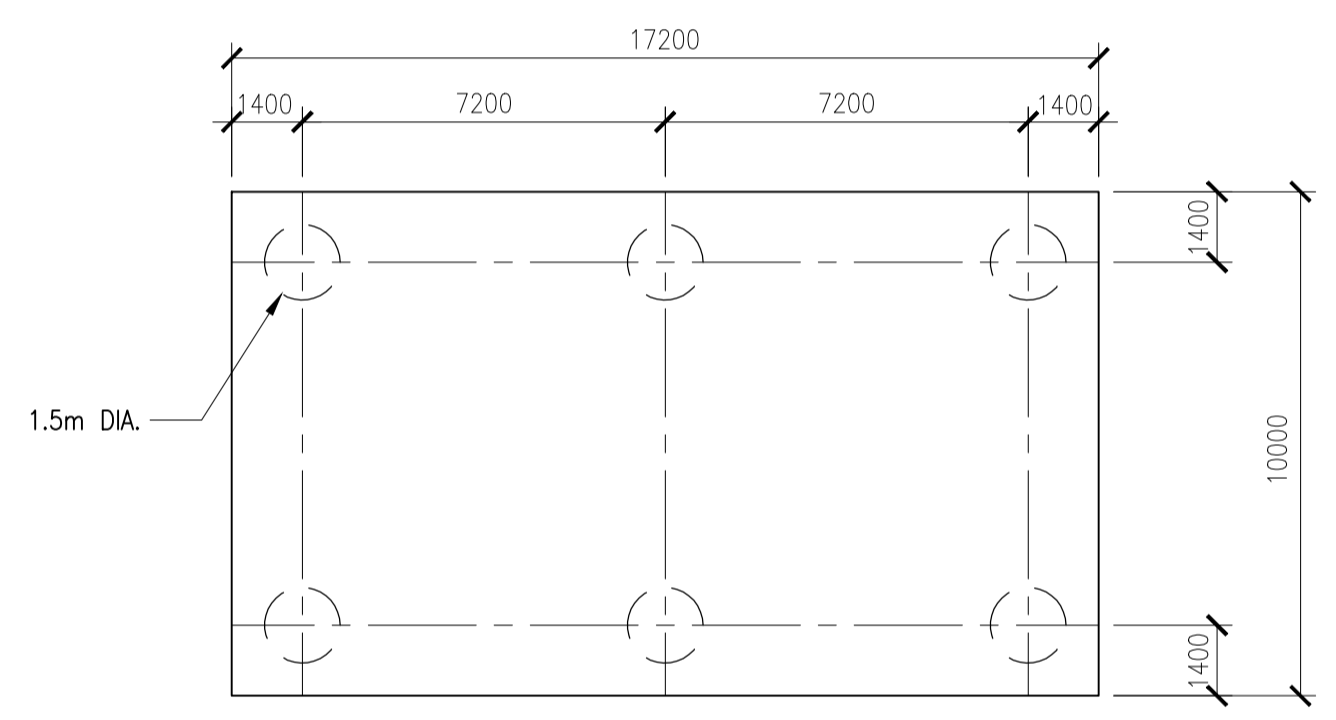
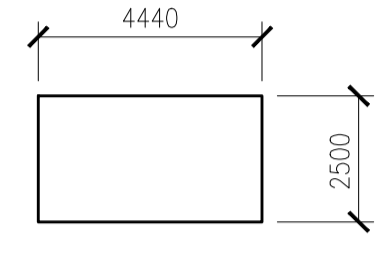
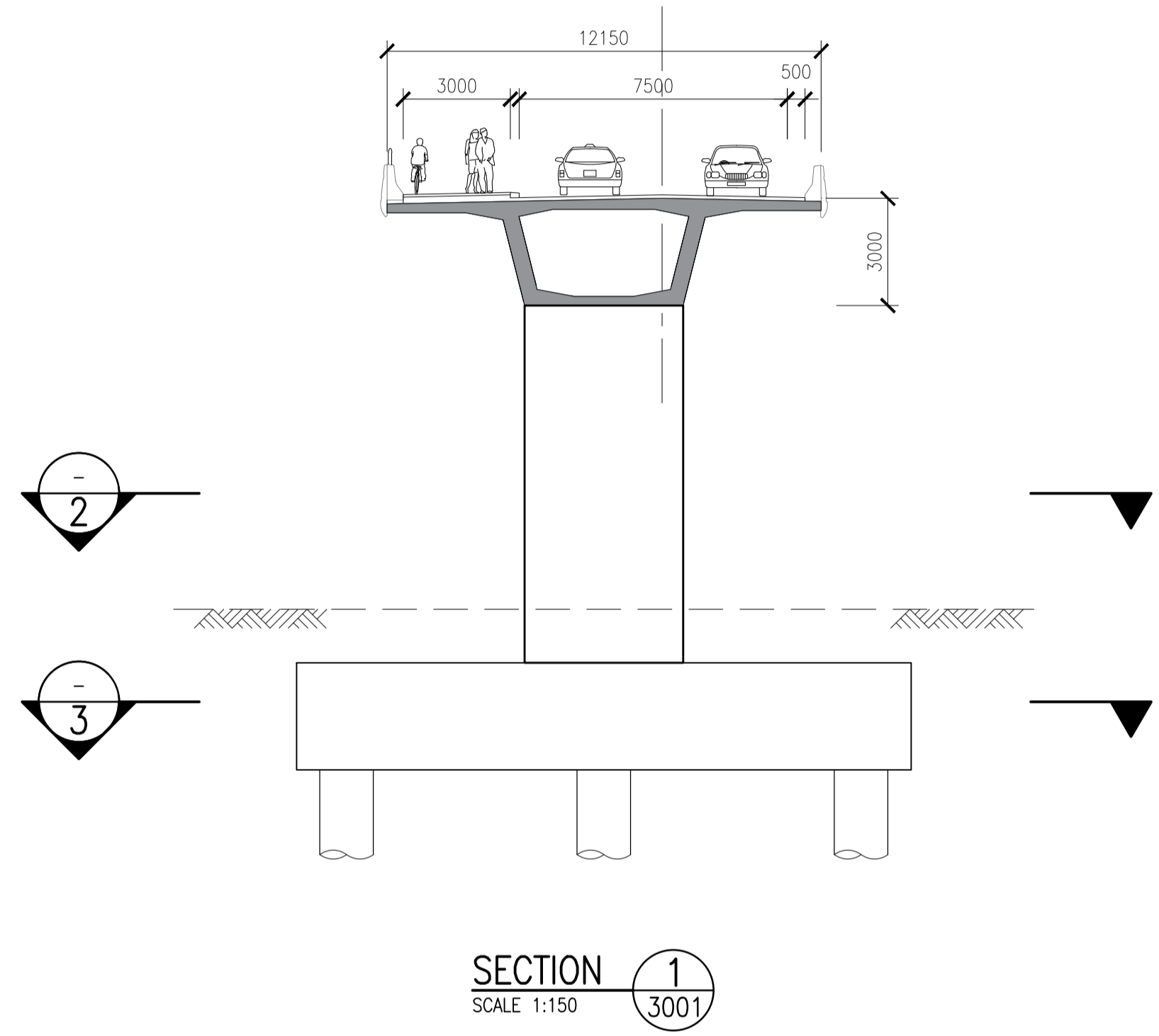


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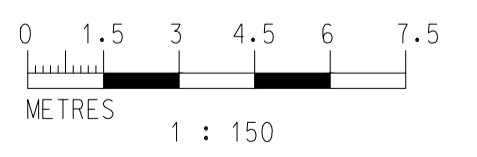
	ARUP	Project GELEPHU-TAREYTHANG ROAD ON SOUTHERN EAST-WEST HIGHWAY, SARPANG, BHUTAN	Drawing Title LANGER RIVER CROSSING OPTION 1 PLAN AND ELEVATION	Drawn EF	Date 10/24	Drawing No. FS/BS/3001
				Checked EF	Approved RF	
				A SUBMISSION	10/24	Status FEASIBILITY
				Rev. Description Date	AS SHOWN @ A1	Rev. A

(SHEET 2)

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OPTION 1






DWS Name : c:\305000\305186-00 Gelephu_Road FSESIA\US_Int_Proj_Data\US-90 CAD\DRAWING\Civil\305186_FS_BS_OPTION1.dwg
Plot By : Johnny Cheng
Plot Time : 11/6/2024 3:42 PM

	KINGDOM OF BHUTAN MINISTRY OF INFRASTRUCTURE AND TRANSPORT DEPARTMENT OF PUBLIC TRANSPORT			Project GELEPHU-TAREYTHANG ROAD ON SOUTHERN EAST-WEST HIGHWAY, SARPANG, BHUTAN	Drawing Title LANGER RIVER CROSSING OPTION 1 CROSS SECTION	<table border="1"> <tr> <td>Drawn</td> <td>EF</td> <td>Date</td> <td>10/24</td> </tr> <tr> <td>Checked</td> <td>EF</td> <td>Approved</td> <td>RF</td> </tr> <tr> <td>A</td> <td>SUBMISSION</td> <td>10/24</td> <td>Scale</td> <td>AS SHOWN @ A1</td> </tr> <tr> <td>Rev.</td> <td>Description</td> <td>Date</td> <td colspan="2"></td> </tr> </table>	Drawn	EF	Date	10/24	Checked	EF	Approved	RF	A	SUBMISSION	10/24	Scale	AS SHOWN @ A1	Rev.	Description	Date			Drawing No. FS/BS/3011 REF. 305186 Status FEASIBILITY	Rev. A
							Drawn	EF	Date	10/24																
Checked	EF	Approved	RF																							
A	SUBMISSION	10/24	Scale	AS SHOWN @ A1																						
Rev.	Description	Date																								

A1

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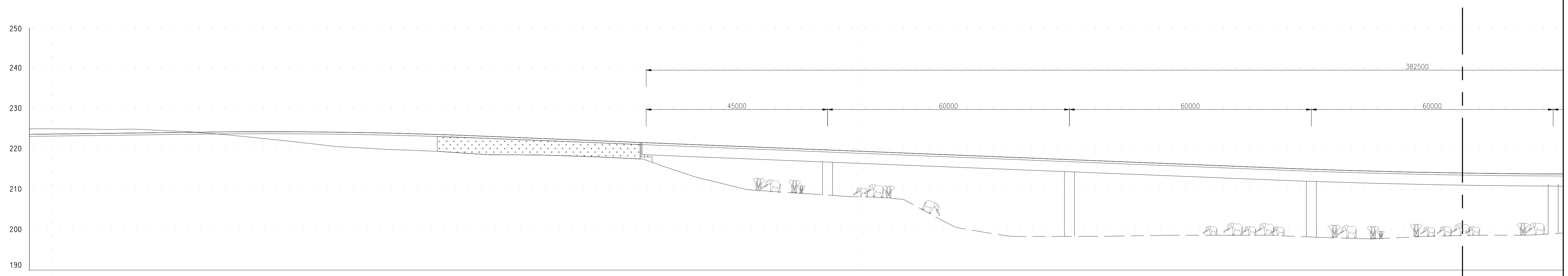
LEGEND:

-  PROPOSED ROAD
-  PREFERRED ALIGNMENT
-  PROJECT BOUNDARY



PLAN
1:500 @ A1

MATCH LINE
SEE DRG. NO. FS/BS/4001



ELEVATION
1:500 @ A1

MATCH LINE
SEE DRG. NO. FS/BS/4001

DWG Name : A:\305000\305186-00 Gelephu_Road FEESIA\05_Inl_Proj_Data\05-90 CAD\DRAWING\Civil\305186_FS_BS_OPTION1.dwg

Plot by : Johnny Cheng
Plot Time : 11/6/2024 3:42 PM

Clients

Project
GELEPHU-TAREYTHANG ROAD
ON SOUTHERN EAST-WEST
HIGHWAY, SARPANG, BHUTAN

Drawing Title
SINGYE RIVER CROSSING
OPTION 1
PLAN AND ELEVATION

Drawn	EF	Date	10/24	Drawing No.	FS/BS/4000
Checked	EF	Approved	RF	REF. 305186	
A	SUBMISSION	10/24	Scale	AS SHOWN @ A1	Status
Rev.	Description	Date			FEASIBILITY
					Rev. A

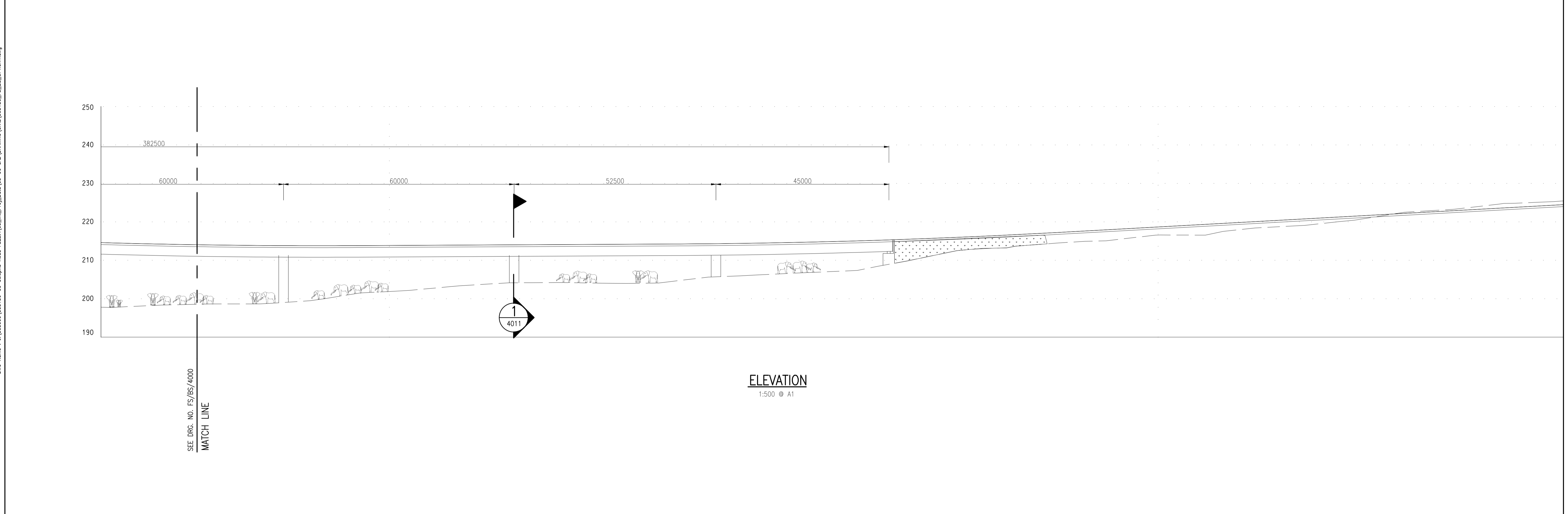
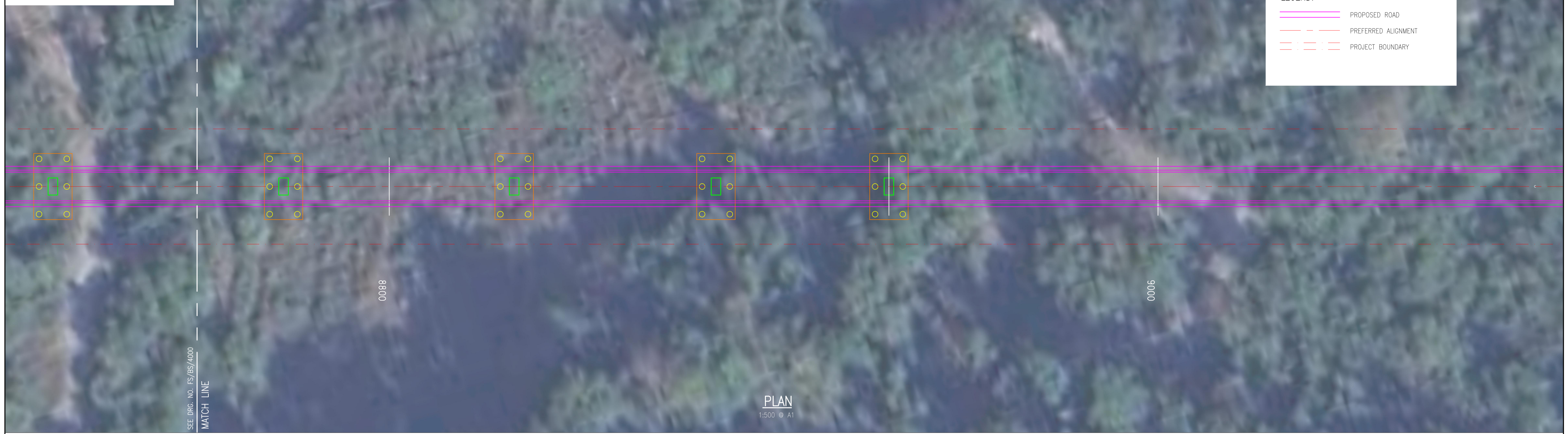
(SHEET 1)

A1

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LEGEND:

- PROPOSED ROAD
- - - PREFERRED ALIGNMENT
- - - PROJECT BOUNDARY



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Plt by : Johnny Cheng 3:43 PM
Plt Time : 11/6/2024

	ARUP	Project GELEPHU-TAREYTHANG ROAD ON SOUTHERN EAST-WEST HIGHWAY, SARPANG, BHUTAN	Drawing Title SINGYE RIVER CROSSING OPTION 1 PLAN AND ELEVATION	Drawn EF	Date 10/24	Drawing No. FS/BS/4001	
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				Scale AS SHOWN @ A1	Date 10/24	Status FEASIBILITY	Rev. A

(SHEET 2)

