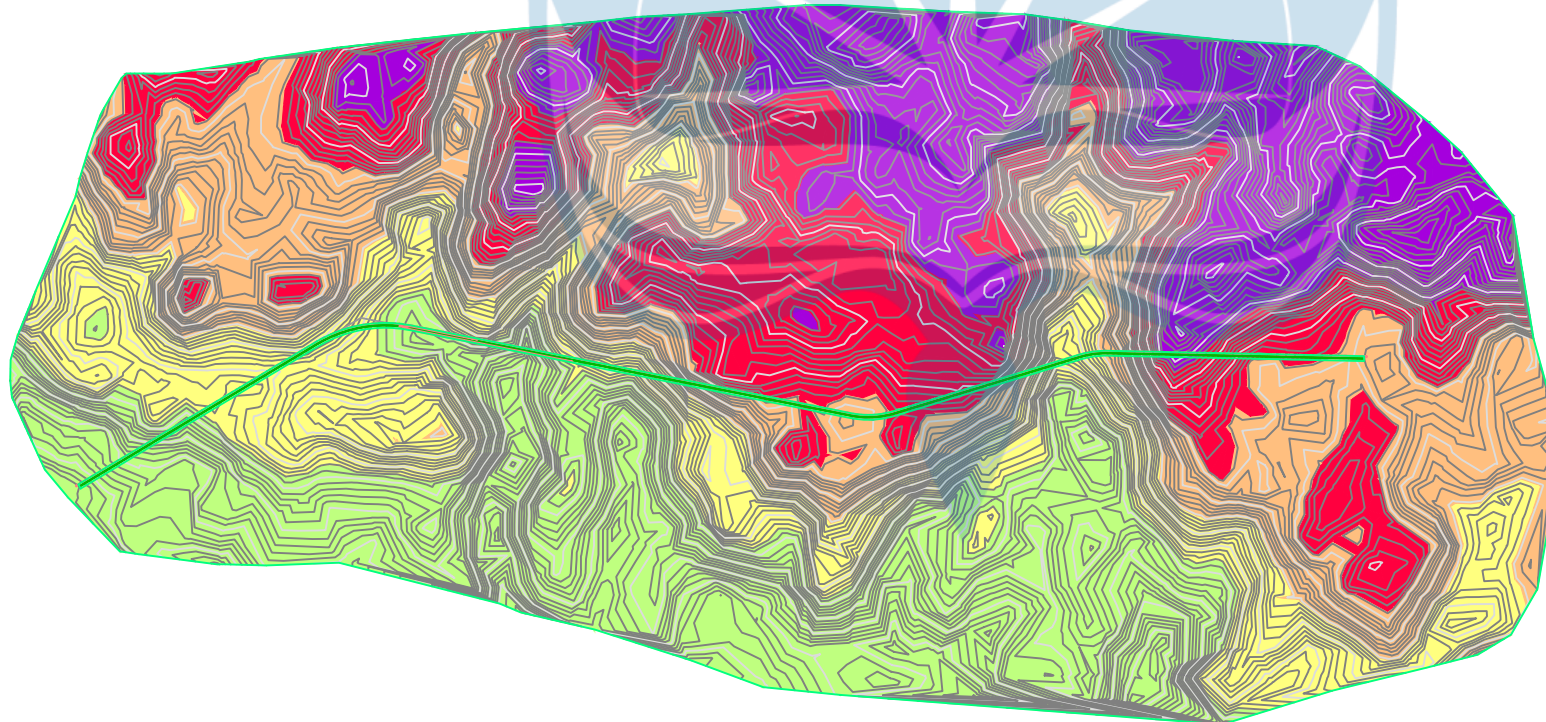




ATTACHMENT

LEGEND



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE	23 JUNE 2025
------	--------------

DESIGN

CONTOUR MAP

DRAWN BY

STANLY ARIA LOUIS	(181317545)
AMOS TRISTAN DANANJAYA	(211318522)

SCALE

1 : 1000

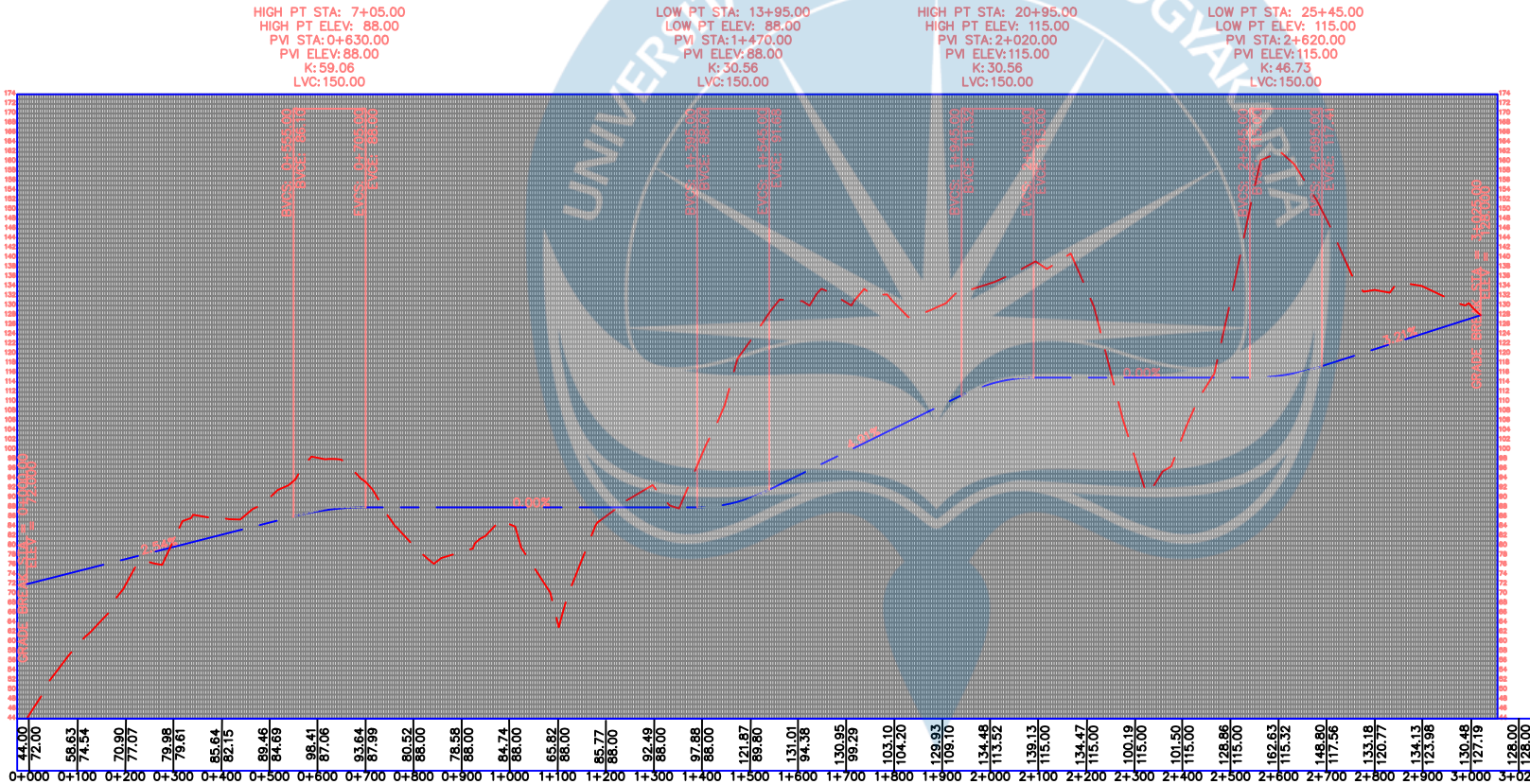
CORRECTED

APPROVED

LEGEND

Planned Road Elevation

Exsisting Elevation



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

ROAD PROFILE

DRAWN BY

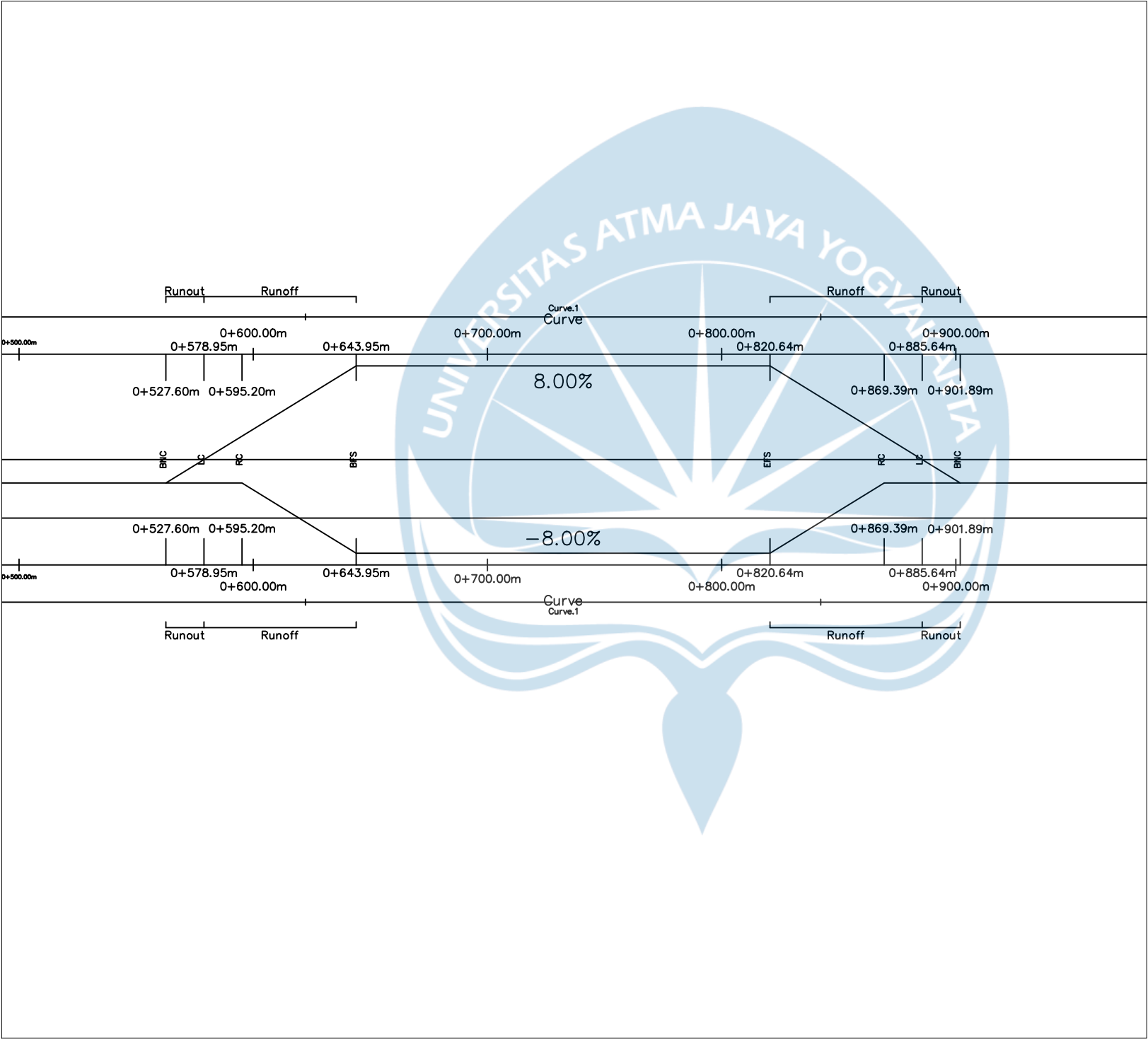
STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

APPROVED



FINAL PROJECT
INFRASTRUCTURE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

SUPERELEVATION
DIAGRAM 2

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

APPROVED



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

SUPERELEVATION
DIAGRAM 2

DRAWN BY

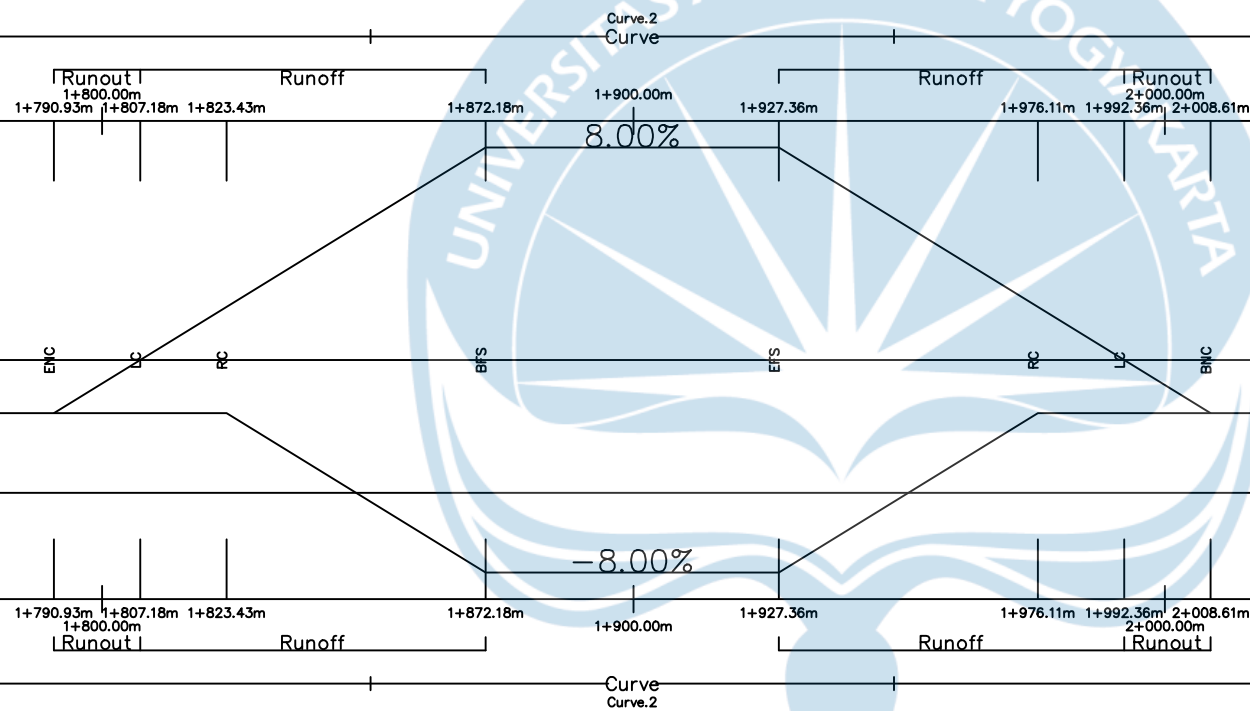
STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

APPROVED





FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

SUPERELEVATION
DIAGRAM 3

DRAWN BY

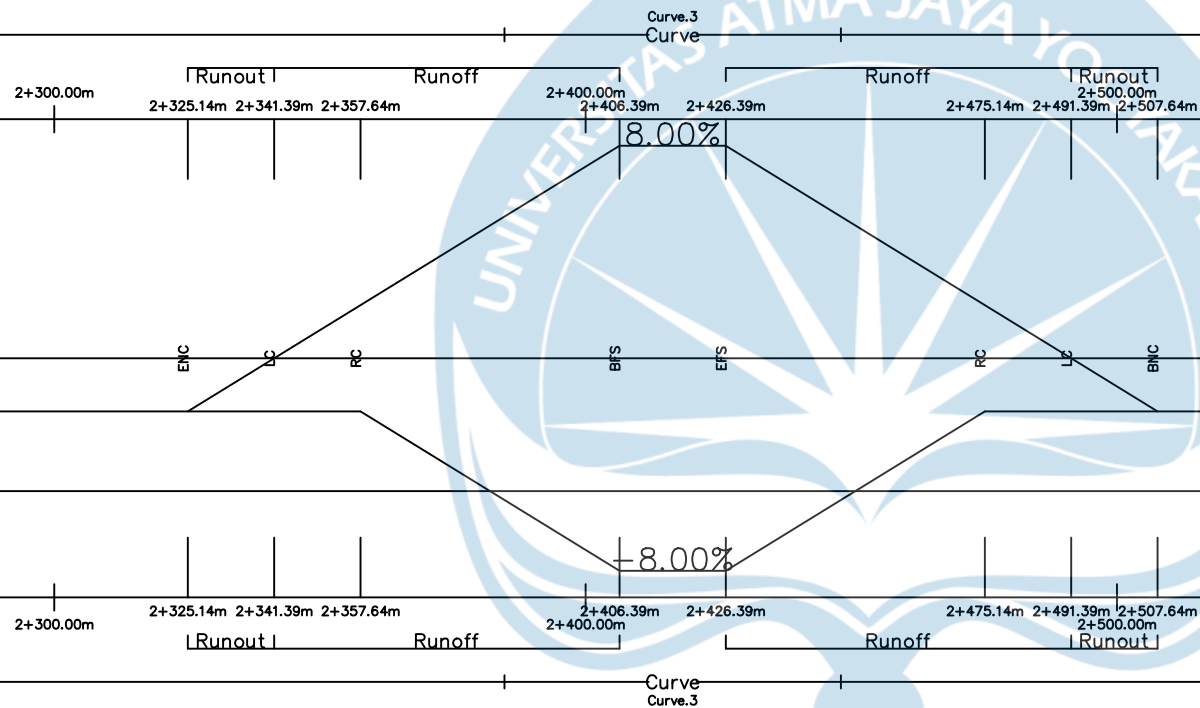
STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

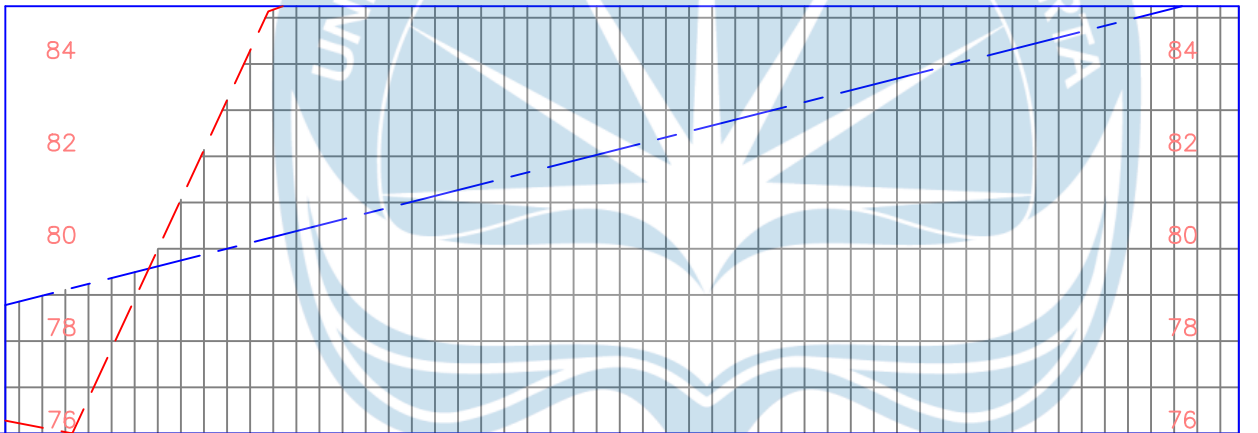
APPROVED



LEGEND

Planned Road Elevation

Existing Elevation



Planned Elevations	78.781	79.111	79.619	80.127	80.635	81.143	81.651	82.159	82.667	83.175	83.683	84.190	84.698	85.206	85.562
Existing Elevations	76.278	76.031	79.986	84.294	85.711	86.202	85.852	85.649	85.545	85.475	86.806	88.110	89.486	91.399	92.134
Stations	0+267	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+534



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

PVI 1

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 100

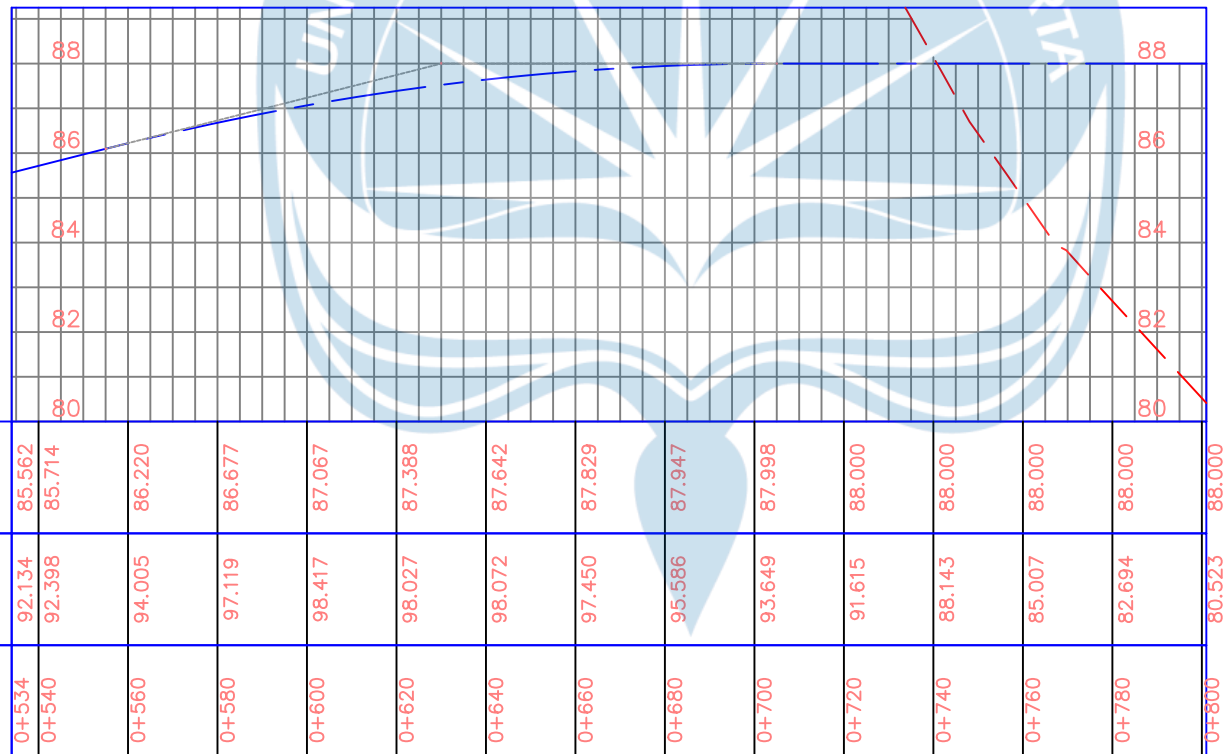
CORRECTED

APPROVED

LEGEND

Planned Road Elevation

Existing Elevation



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

PVI 2

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 100

CORRECTED

APPROVED

LEGEND

Planned Road Elevation

Existing Elevation



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

PVI 3

DRAWN BY

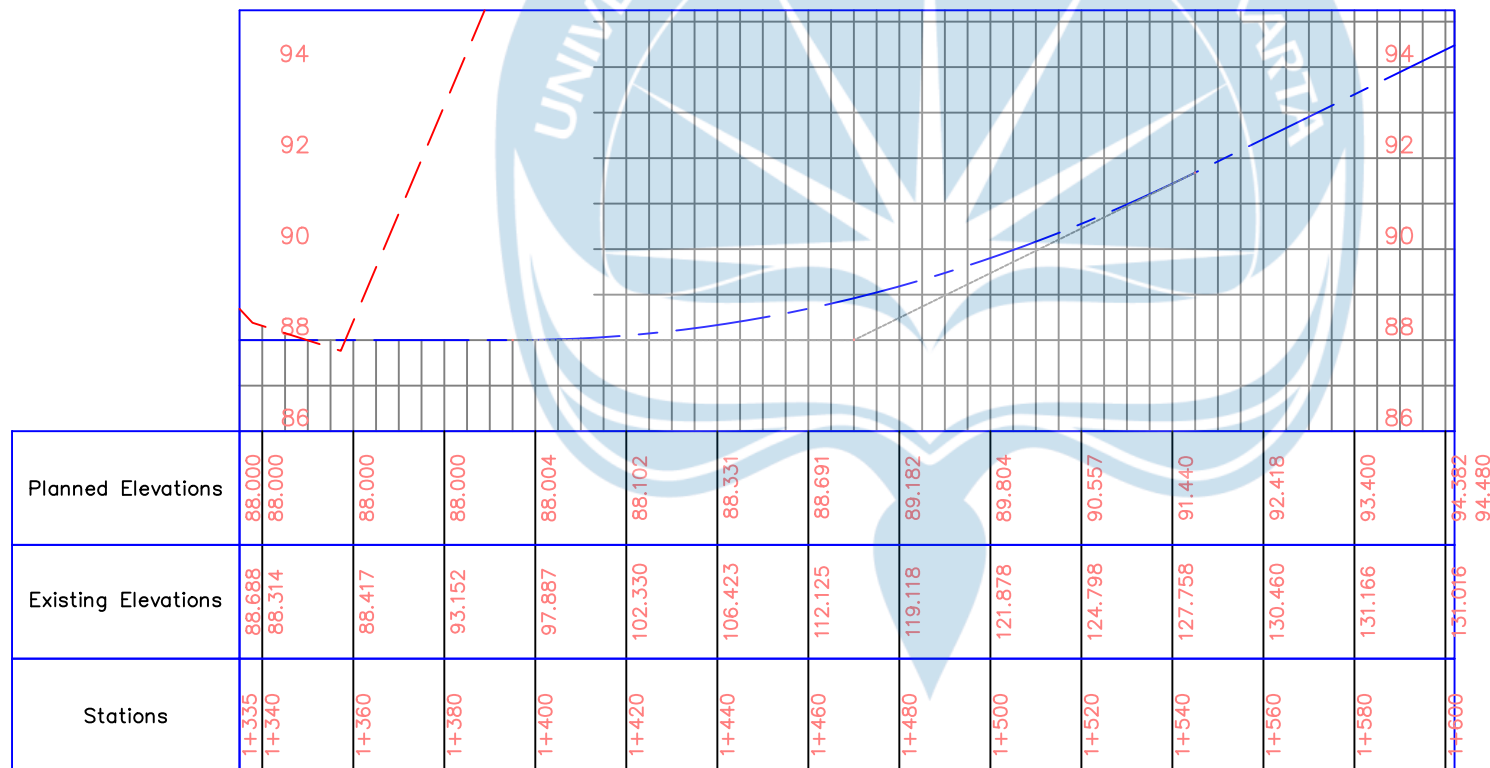
STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

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CORRECTED

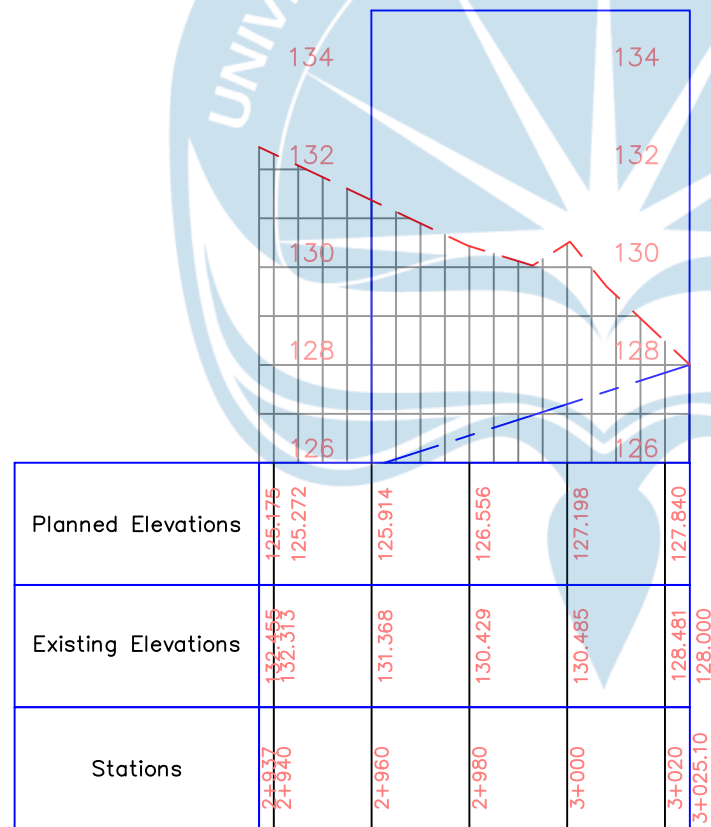
APPROVED



LEGEND

Planned Road Elevation

Existing Elevation



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

PVI 4

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

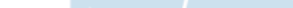
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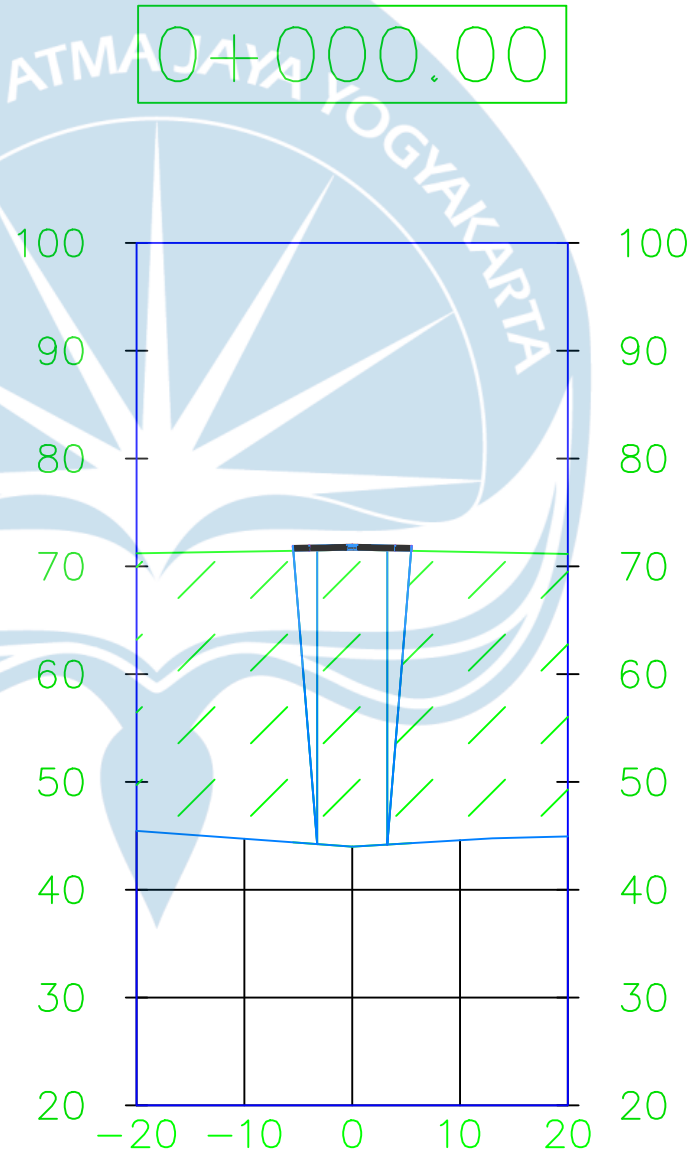
1 : 100

CORRECTED

APPROVED

Total Volume at Station 0+000.00	
Cut Area (m ²)	0.00
Fill Area (m ²)	240.08
Cut Vol (m ³)	0.00
Fill Vol (m ³)	0.00
Cum Cut Vol (m ³)	0.00
Cum Fill Vol (m ³)	0.00
Net Vol (m ³)	0.00

ORIGINAL SOIL	
CUT AREA	
FILL AREA	



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

CROSS SECTION
STA 0+000

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

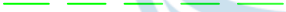
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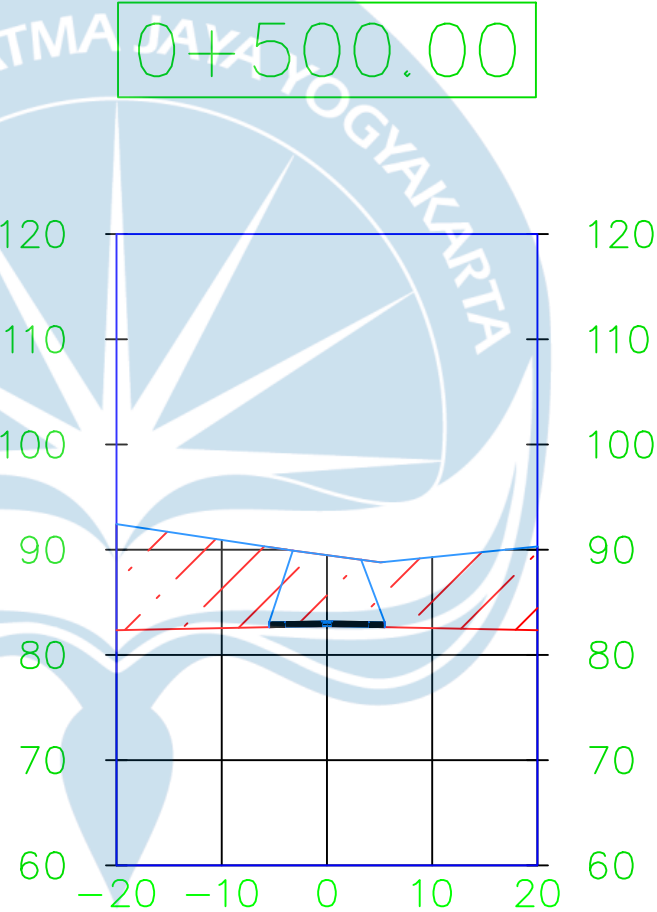
1 : 100

CORRECTED

APPROVED

Total Volume at Station 0+500.00	
Cut Area (m ²)	74.76
Fill Area (m ²)	0.00
Cut Vol (m ³)	3072.65
Fill Vol (m ³)	0.00
Cum Cut Vol (m ³)	12090.96
Cum Fill Vol (m ³)	28794.41
Net Vol (m ³)	-16703.44

ORIGINAL SOIL	
CUT AREA	
FILL AREA	



FINAL PROJECT
INFRASTRUCTRE 1
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GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

CROSS SECTION
STA 0+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

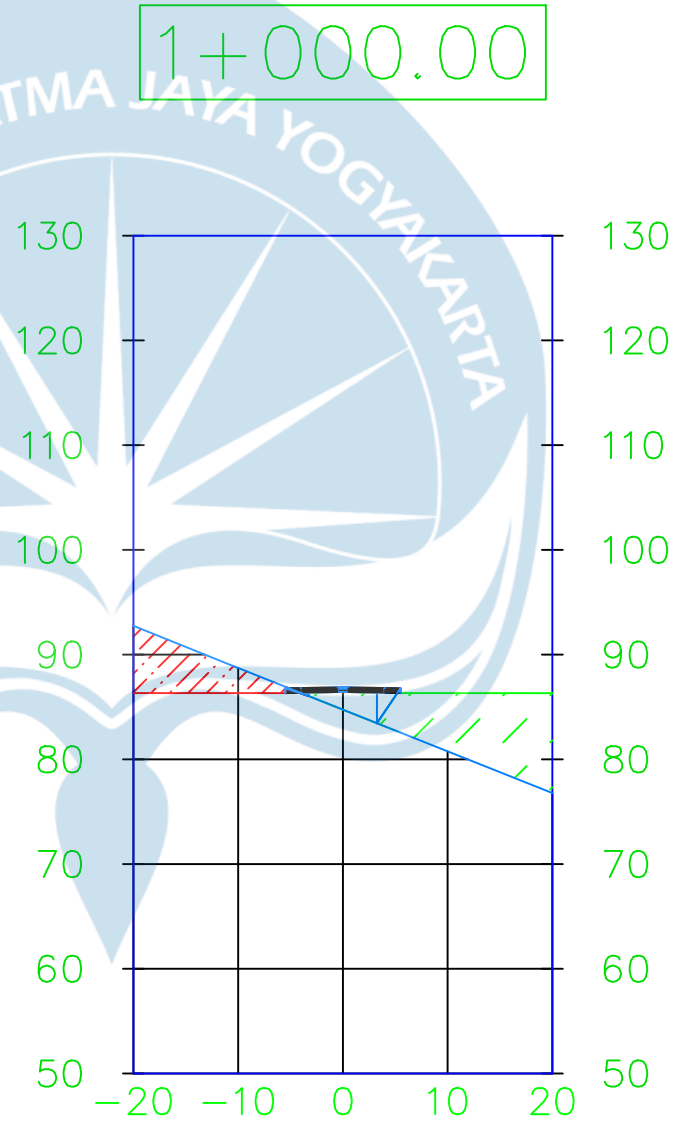
1 : 100

CORRECTED

APPROVED

Total Volume at Station 1+000.00	
Cut Area (m ²)	11.46
Fill Area (m ²)	15.51
Cut Vol (m ³)	989.49
Fill Vol (m ³)	1374.40
Cum Cut Vol (m ³)	38242.82
Cum Fill Vol (m ³)	41883.80
Net Vol (m ³)	-2940.98

ORIGINAL SOIL	
CUT AREA	
FILL AREA	



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

CROSS SECTION
STA 1+000

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

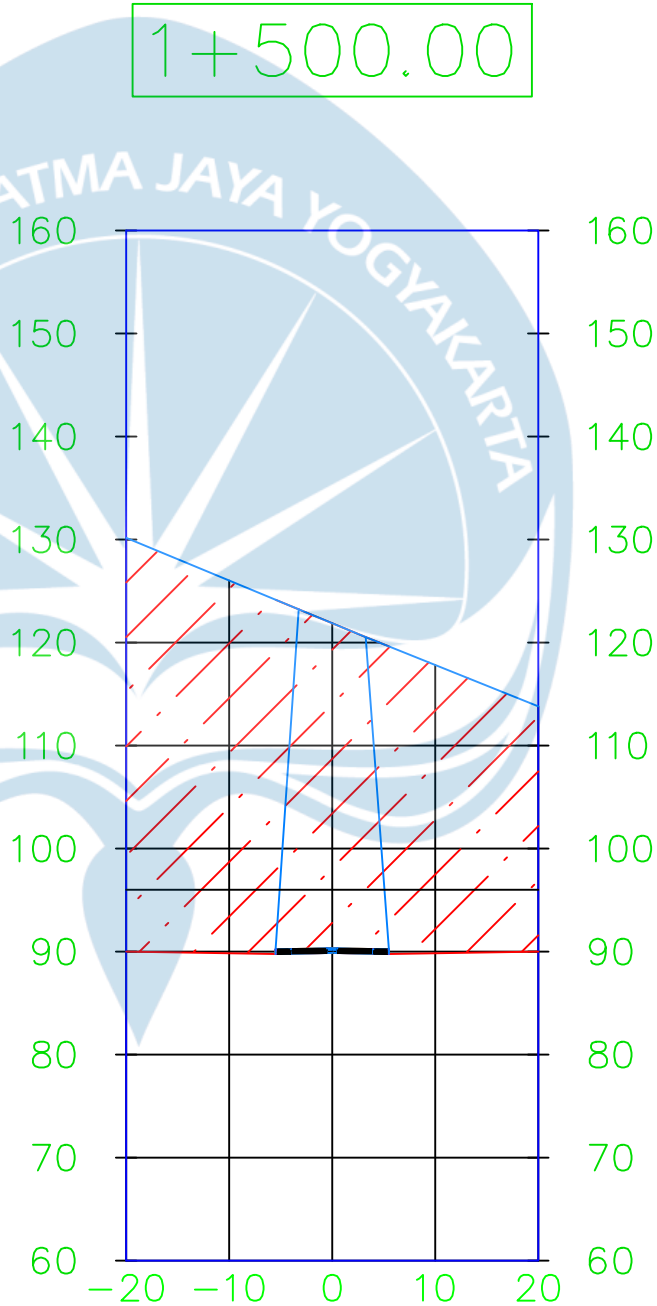
1 : 100

CORRECTED

APPROVED

Total Volume at Station 1+500.00	
Cut Area (m ²)	352.70
Fill Area (m ²)	0.00
Cut Vol (m ³)	14512.81
Fill Vol (m ³)	0.00
Cum Cut Vol (m ³)	12090.96
Cum Fill Vol (m ³)	28794.41
Net Vol (m ³)	-16703.44

ORIGINAL SOIL	
CUT AREA	
FILL AREA	



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

CROSS SECTION
STA 1+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

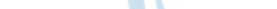
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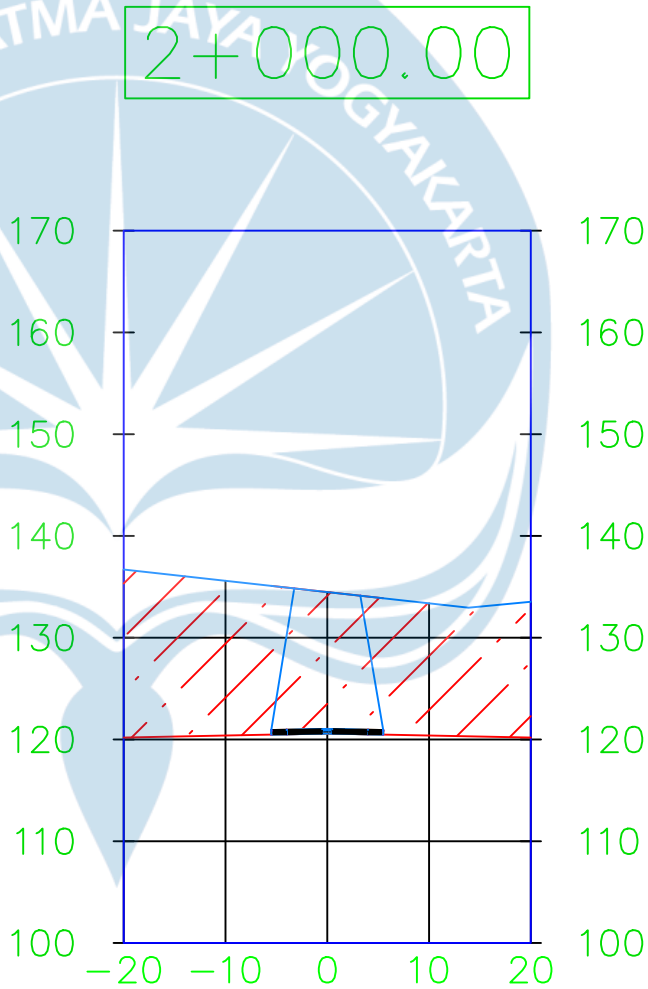
1 : 100

CORRECTED

APPROVED

Total Volume at Station 2+000.00	
Cut Area (m ²)	153.52
Fill Area (m ²)	0.00
Cut Vol (m ³)	8100.39
Fill Vol (m ³)	0.00
Cum Cut Vol (m ³)	209476.23
Cum Fill Vol (m ³)	60424.25
Net Vol (m ³)	149051.98

ORIGINAL SOIL	
CUT AREA	
FILL AREA	



FINAL PROJECT
INFRASTRUCTRE 1
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

CROSS SECTION
STA 2+000

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

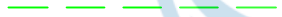
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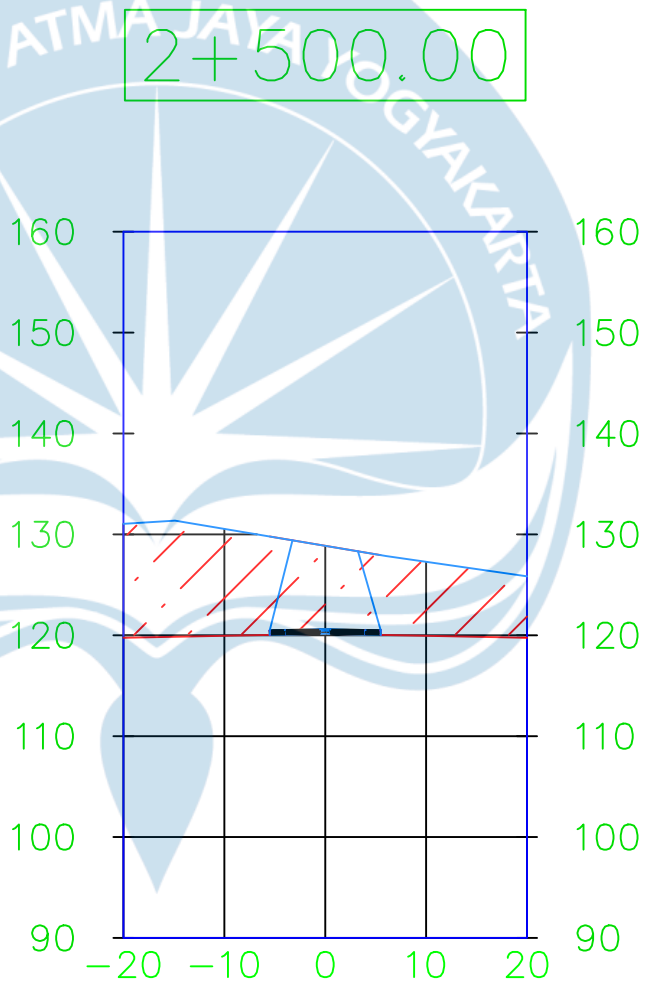
1 : 100

CORRECTED

APPROVED

Total Volume at Station 2+500.00	
Cut Area (m ²)	96.49
Fill Area (m ²)	0.00
Cut Vol (m ³)	2412.23
Fill Vol (m ³)	0.00
Cum Cut Vol (m ³)	249957.81
Cum Fill Vol (m ³)	94832.50
Net Vol (m ³)	155125.32

ORIGINAL SOIL	
CUT AREA	
FILL AREA	



FINAL PROJECT
INFRASTRUCTRE 1
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GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

CROSS SECTION
STA 2+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

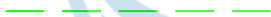
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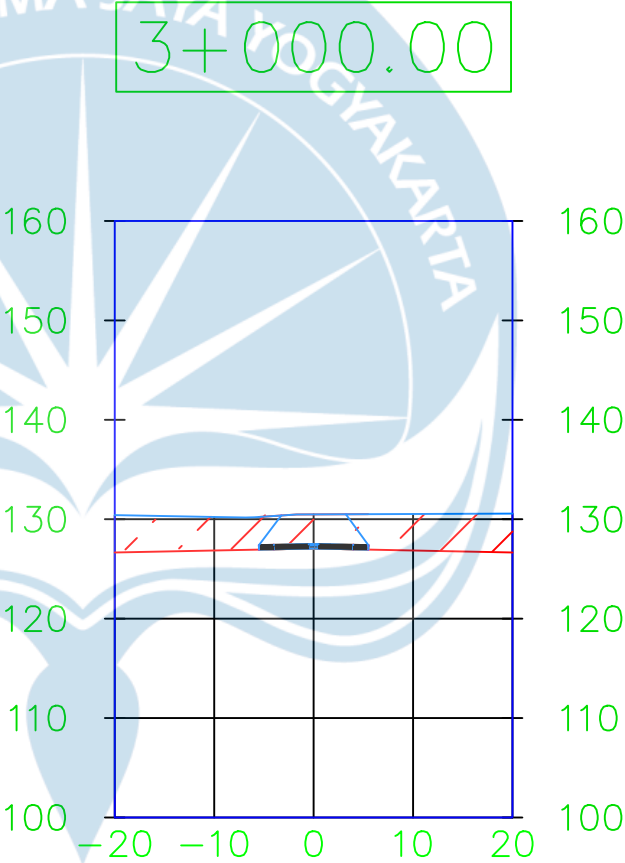
1 : 100

CORRECTED

APPROVED

Total Volume at Station 3+000.00	
Cut Area (m ²)	37.87
Fill Area (m ²)	0.00
Cut Vol (m ³)	2549.35
Fill Vol (m ³)	0.00
Cum Cut Vol (m ³)	358,785.70
Cum Fill Vol (m ³)	94832.50
Net Vol (m ³)	263953.20

ORIGINAL SOIL	
CUT AREA	
FILL AREA	



FINAL PROJECT
INFRASTRUCTRE 1
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GEOTECHNICAL
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DESIGN

CROSS SECTION
STA 3+000

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 100

CORRECTED

APPROVED

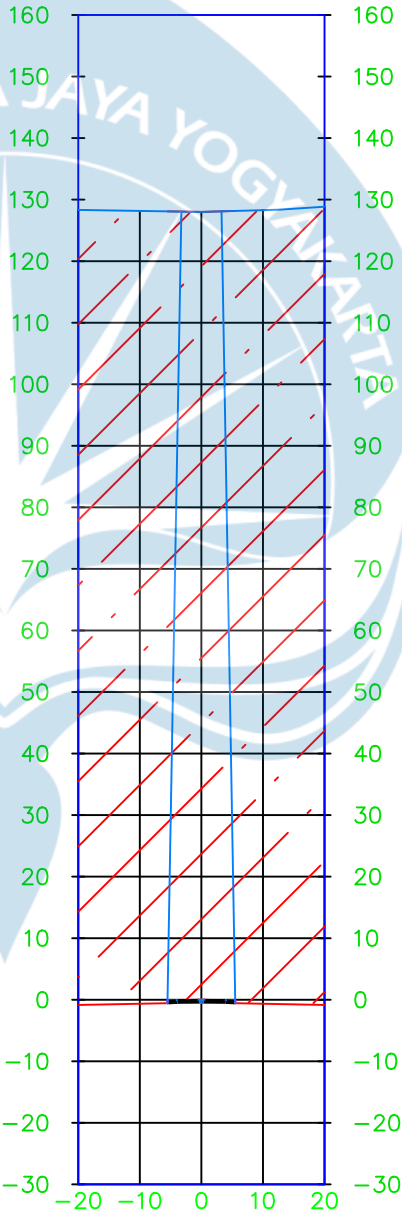
Total Volume at Station 3+025.10	
Cut Area (m ²)	1414.24
Fill Area (m ²)	0.00
Cut Vol (m ³)	18223.34
Fill Vol (m ³)	0.00
Cum Cut Vol (m ³)	377009.70
Cum Fill Vol (m ³)	94832.50
Net Vol (m ³)	282176.55

ORIGINAL SOIL

CUT AREA

FILL AREA

3+025.10



FINAL PROJECT
INFRASTRUCTRE 1
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DATE 23 JUNE 2025

DESIGN

CROSS SECTION
3+025

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

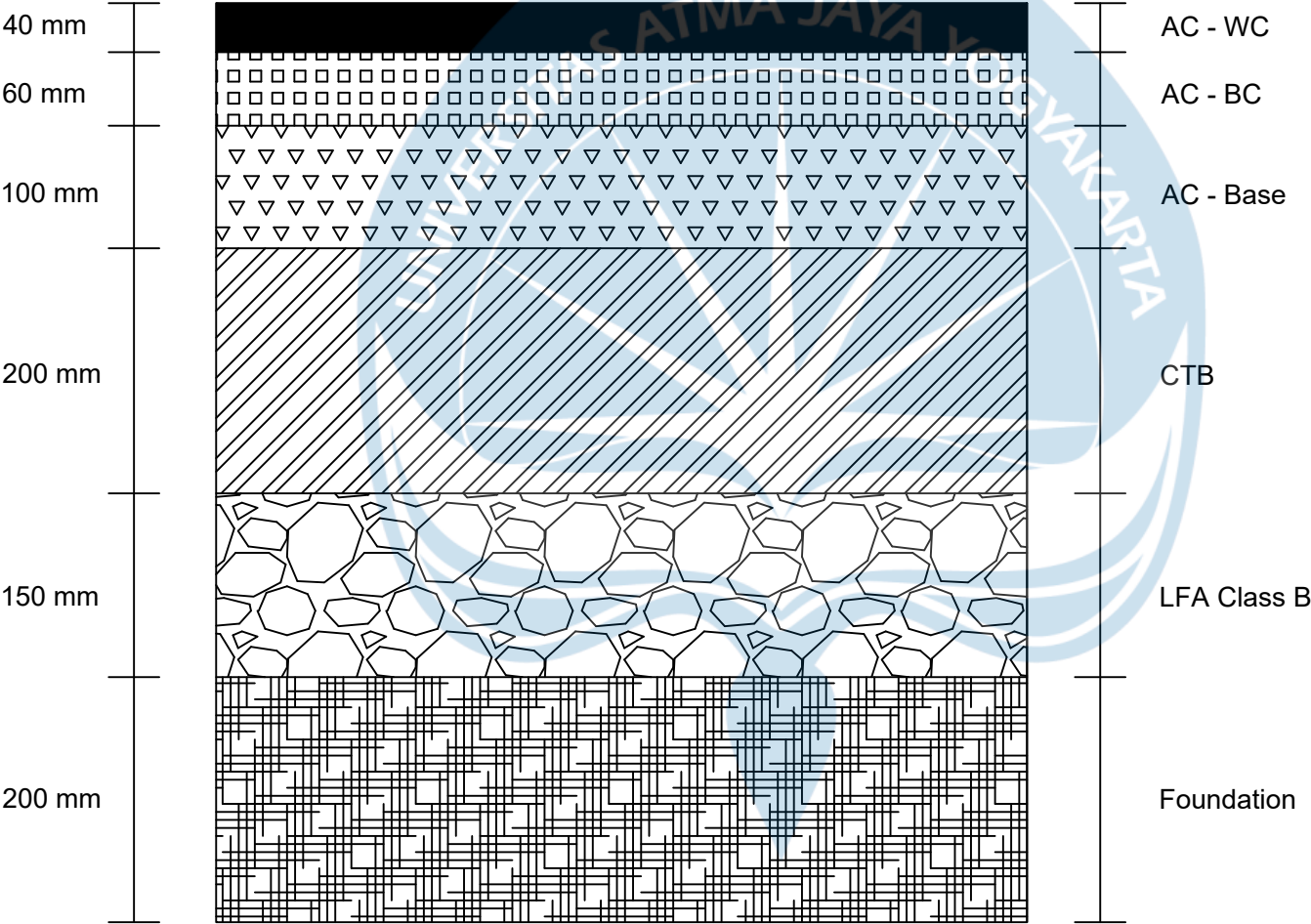
SCALE

1 : 100

CORRECTED

APPROVED

FLEXIBLE PAVEMENT



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE	23 JUNE 2025
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DESIGN

PAVEMENT LAYER

DRAWN BY

STANLY ARIA LOUIS AMOS TRISTAN DANANJAYA	(181317545) (211318522)
---	----------------------------

SCALE

1 : 50

CORRECTED

APPROVED



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

STRATIGRAPHY
STA 0+000 – 0+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

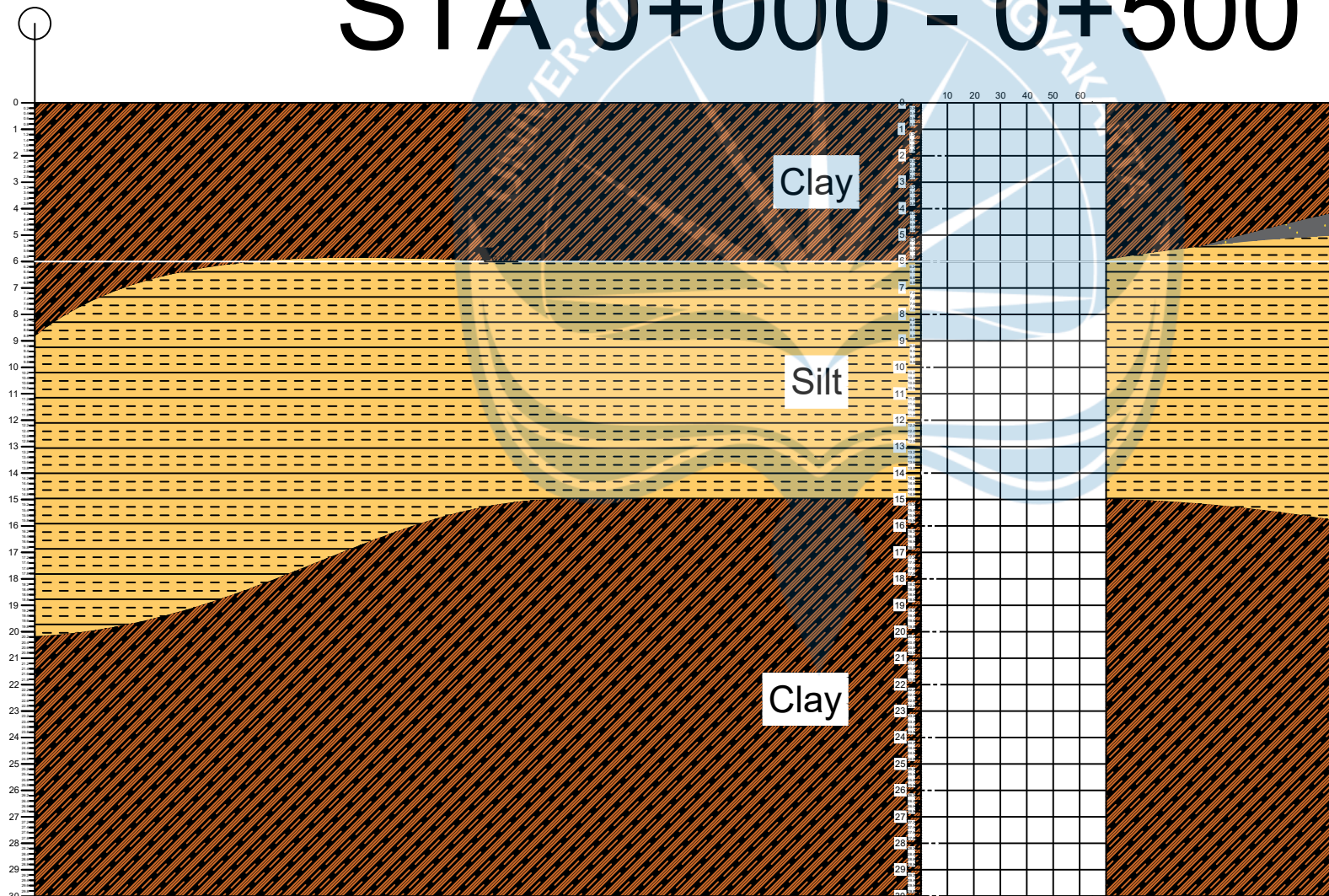
CORRECTED

APPROVED

LEGEND

- Clay
- Silt
- Sand
- G.W.L

STA 0+000 - 0+500



LEGEND

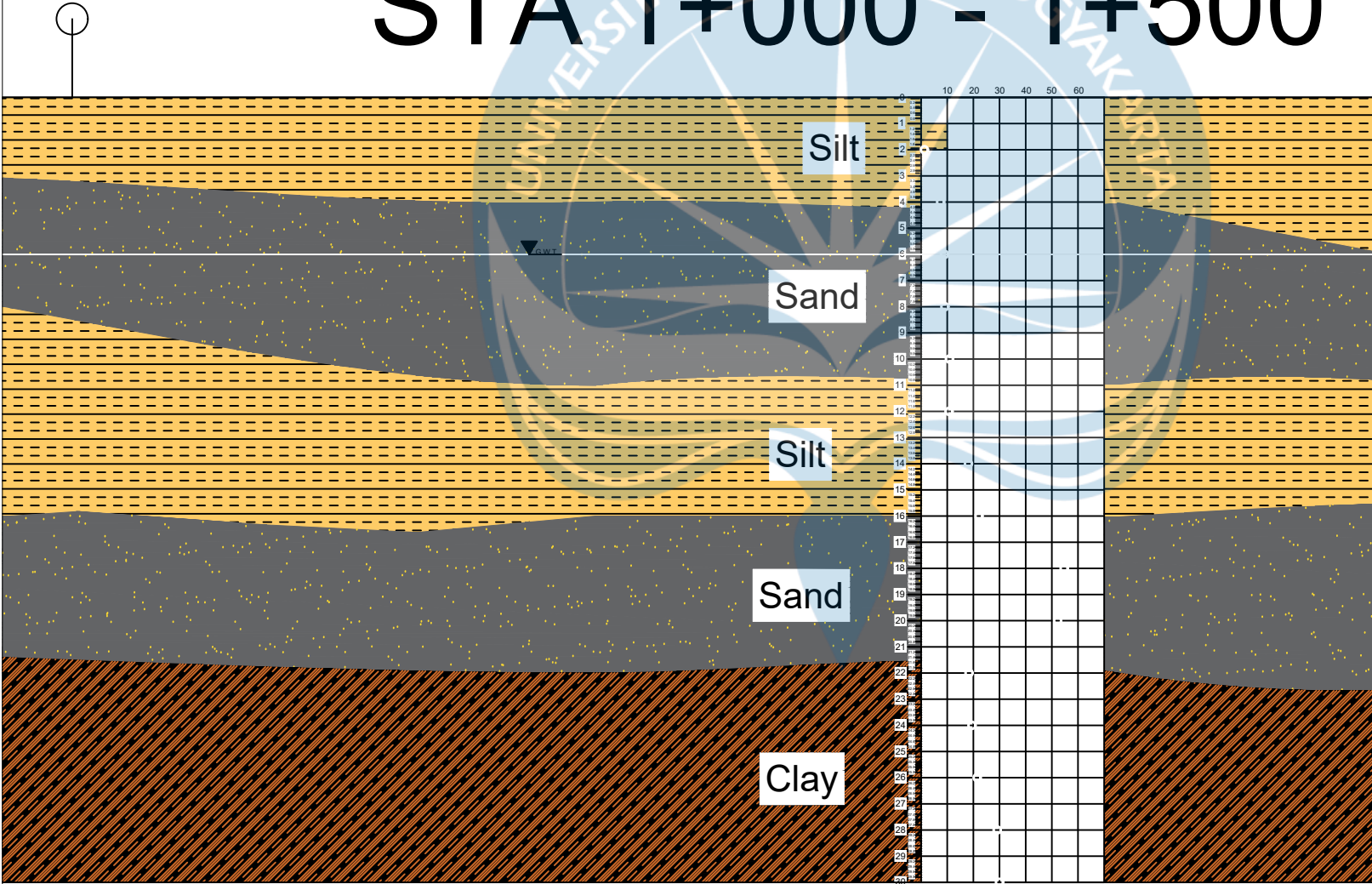
Clay 

Silt 

Sand 

G.W.L 

STA 1+000 - 1+500



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

STRATIGRAPHY
STA 1+000 – 1+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

APPROVED

LEGEND

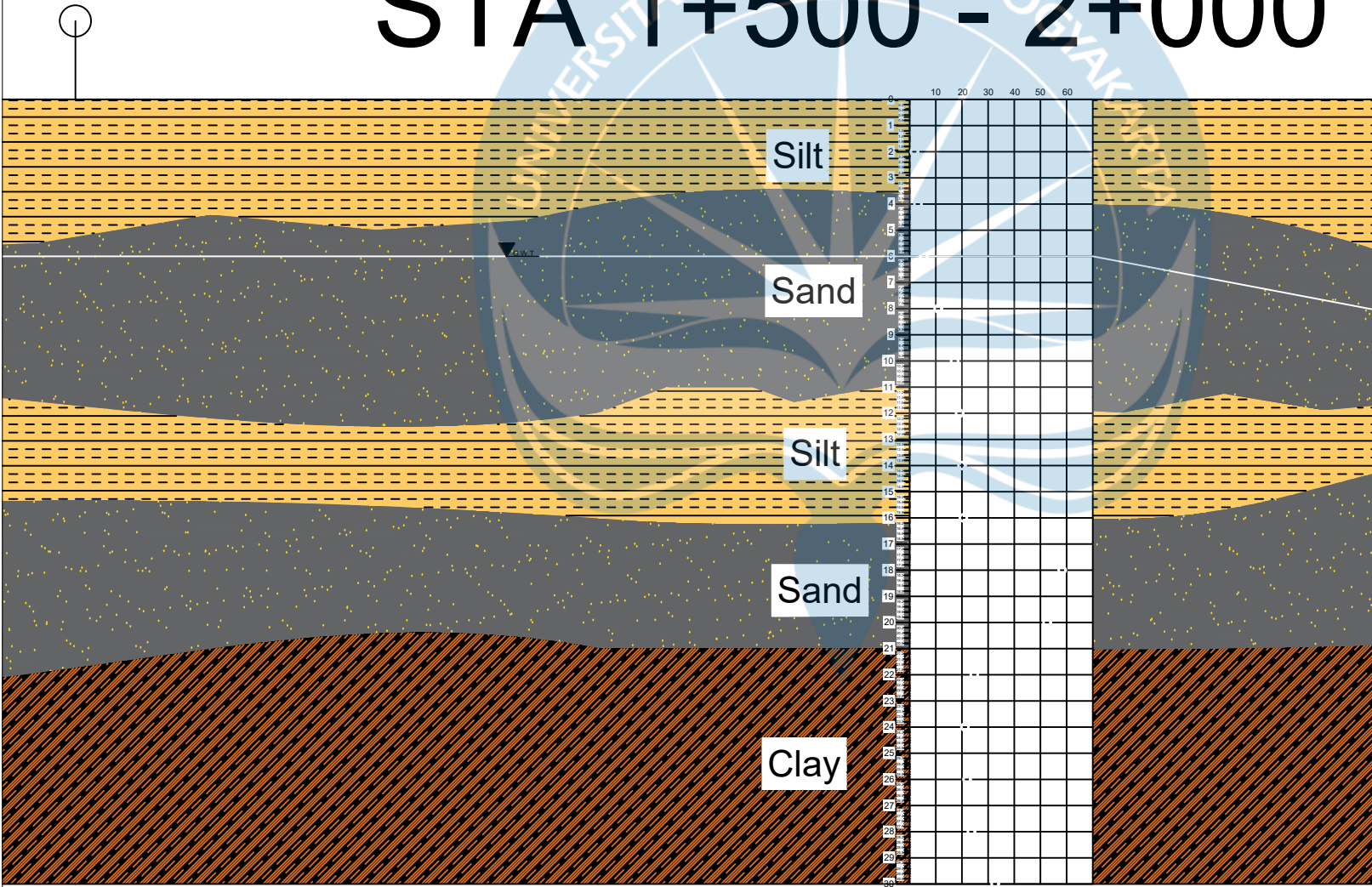
Clay

Silt

Sand

G.W.L

STA 1+500 - 2+000



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

STRATIGRAPHY
STA 1+500 – 2+000

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

APPROVED



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

STRATIGRAPHY
STA 2+000 – 2+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

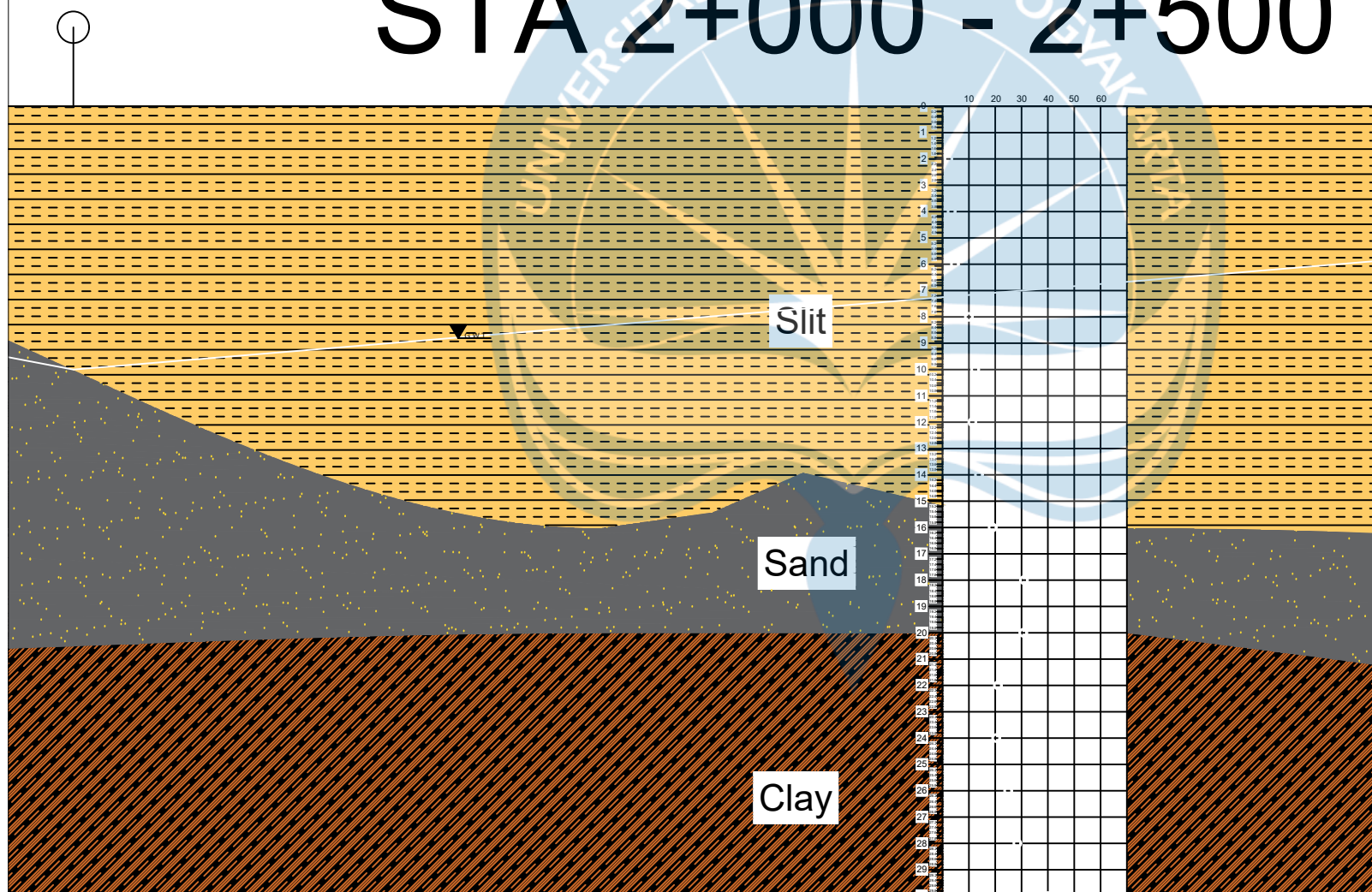
CORRECTED

APPROVED

LEGEND

- Clay
- Silt
- Sand
- G.W.L

STA 2+000 - 2+500



LEGEND

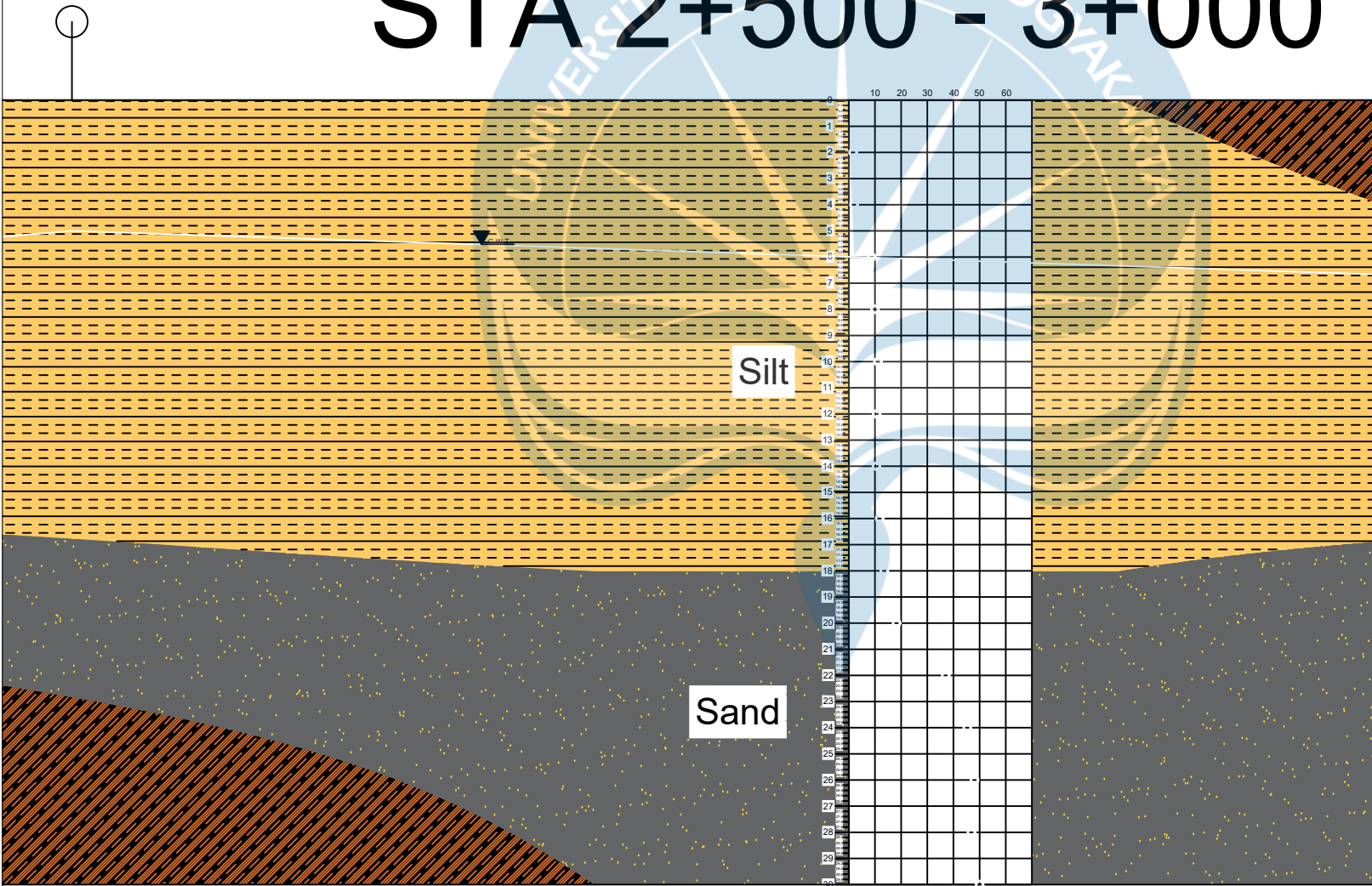
Clay

Silt

Sand

G.W.L

STA 2+500 - 3+000



FINAL PROJECT

INFRASTRUCTRE 2

TRANSPORT –

GEOTECHNICAL

2024/2025

DATE

23 JUNE 2025

DESIGN

STRATIGRAPHY

STA 2+500 – 3+000

DRAWN BY

STANLY ARIA LOUIS

AMOS TRISTAN DANANJAYA

(181317545)

(211318522)

SCALE

1 : 1000

CORRECTED

APPROVED

LEGEND

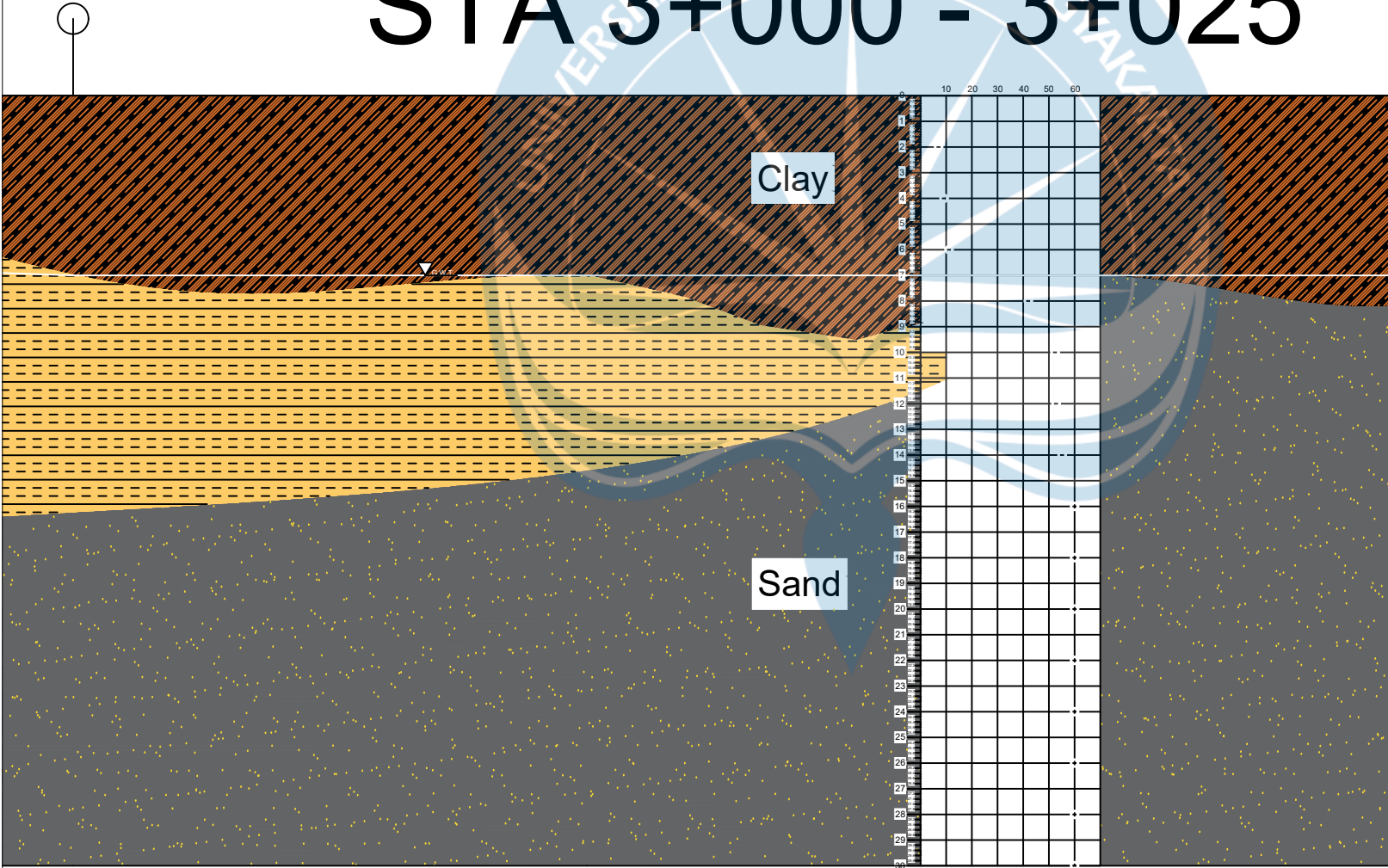
Clay 

Silt 

Sand 

G.W.L 

STA 3+000 - 3+025



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

STRATIGRAPHY
STA 3+000 – 3+025

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

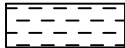
APPROVED

STA 0+000 to STA 0+500

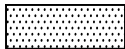
Embankment with (Hs) as a replacement for vehicle load

LEGEND

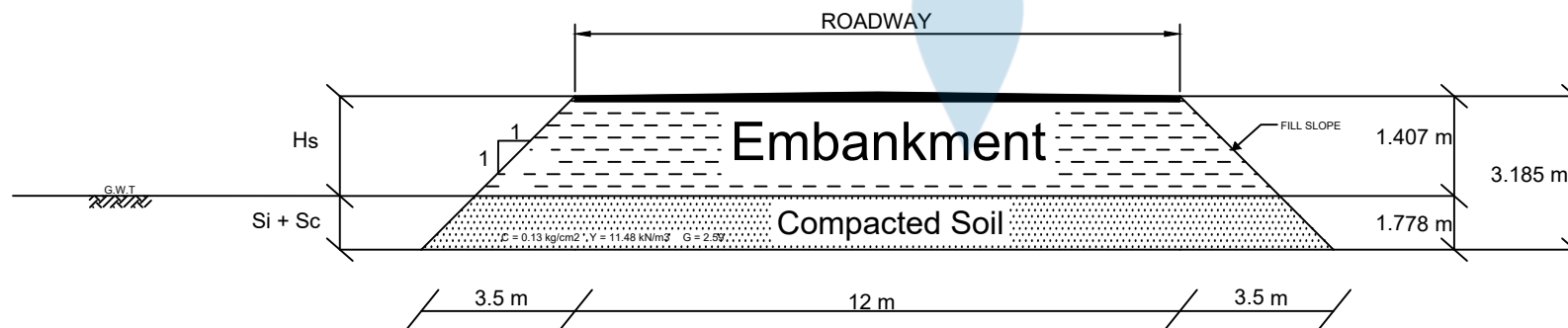
Hs



Si + Sc



LFA Class C



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
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2024/2025

DATE 23 JUNE 2025

DESIGN

EMBANKMENT
STA 0+000 – 0+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

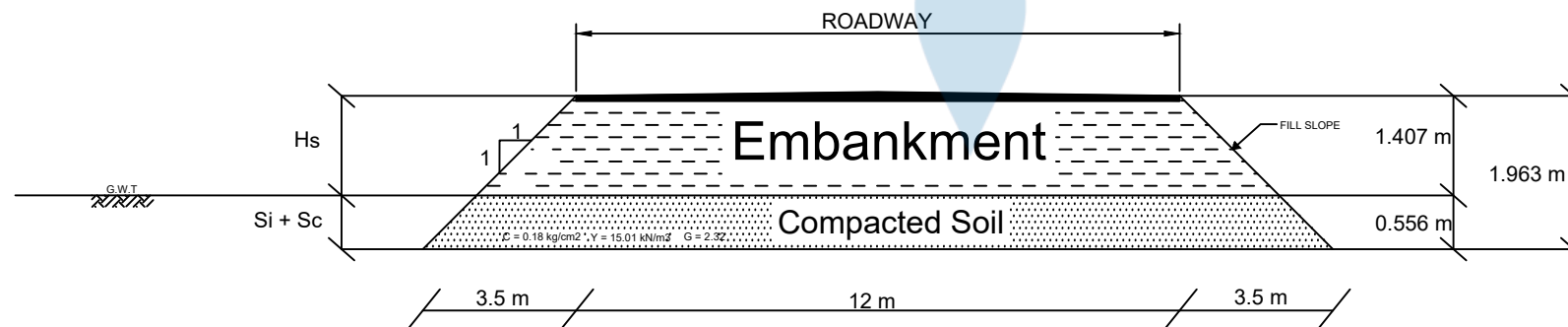
APPROVED

STA 0+500 to STA 1+000

Embankment with (Hs) as a replacement for vehicle load

LEGEND

Hs	
Si + Sc	
LFA Class C	



FINAL PROJECT
INFRASTRUCTURE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE 23 JUNE 2025

DESIGN

EMBANKMENT
STA 0+500 – 1+000

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

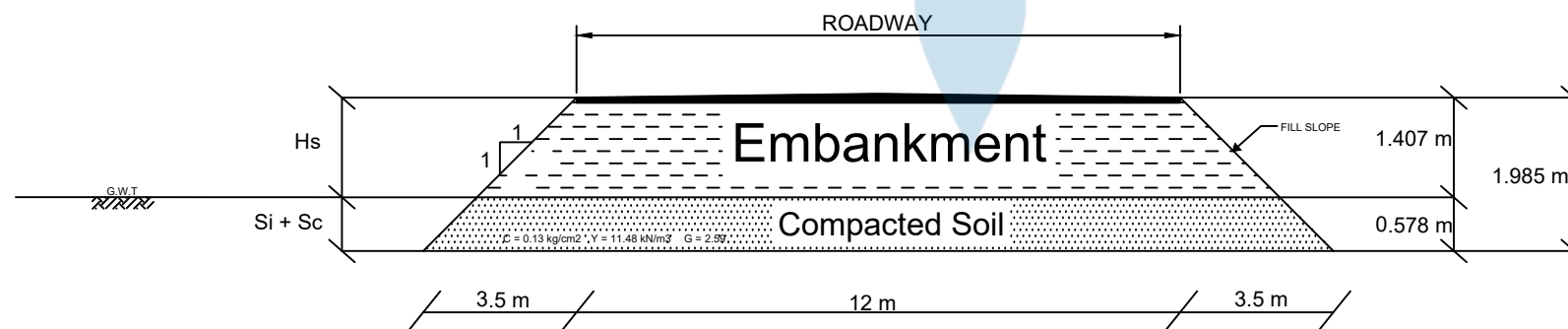
APPROVED

STA 1+000 to STA 1+500

Embankment with (Hs) as a replacement for vehicle load

LEGEND

Hs	
Si + Sc	
LFA Class C	



FINAL PROJECT
INFRASTRUCTURE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE | 23 JUNE 2025

DESIGN

EMBANKMENT
STA 1+000 – 1+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

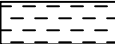
CORRECTED

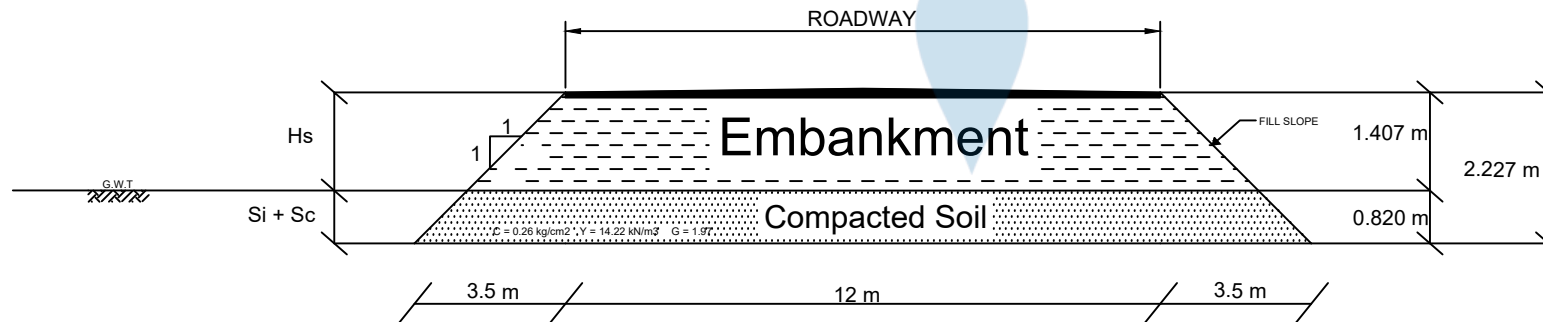
APPROVED

STA 2+000 to STA 2+500

Embankment with (Hs) as a replacement for vehicle load

LEGEND

Hs	
Si + Sc	
LFA Class C	



FINAL PROJECT
INFRASTRUCTRE 2
TRANSPORT –
GEOTECHNICAL
2024/2025

DATE | 23 JUNE 2025

DESIGN

EMBANKMENT
STA 2+000 – 2+500

DRAWN BY

STANLY ARIA LOUIS (181317545)
AMOS TRISTAN DANANJAYA (211318522)

SCALE

1 : 1000

CORRECTED

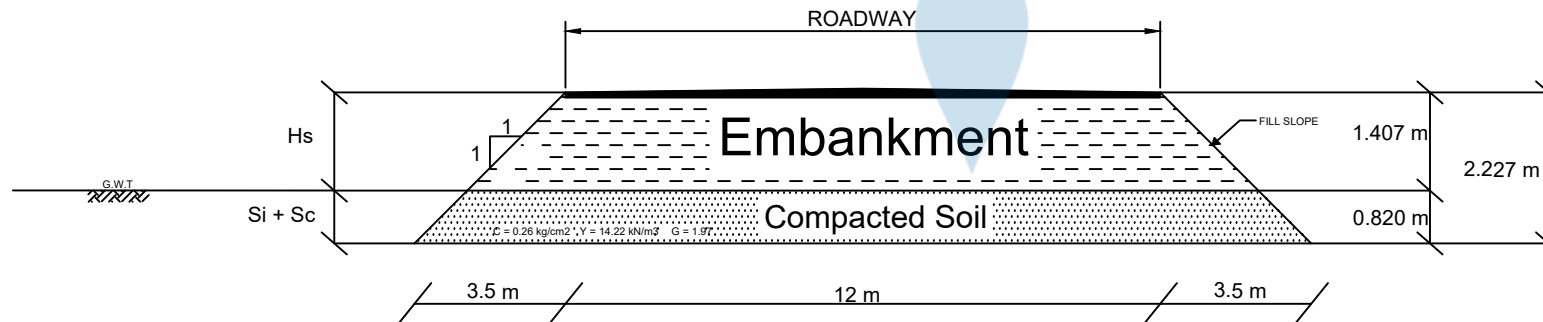
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STA 2+000 to STA 2+500

Embankment with (Hs) as a replacement for vehicle load

LEGEND

Hs	
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2024/2025

DATE 23 JUNE 2025

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AMOS TRISTAN DANANJAYA (211318522)

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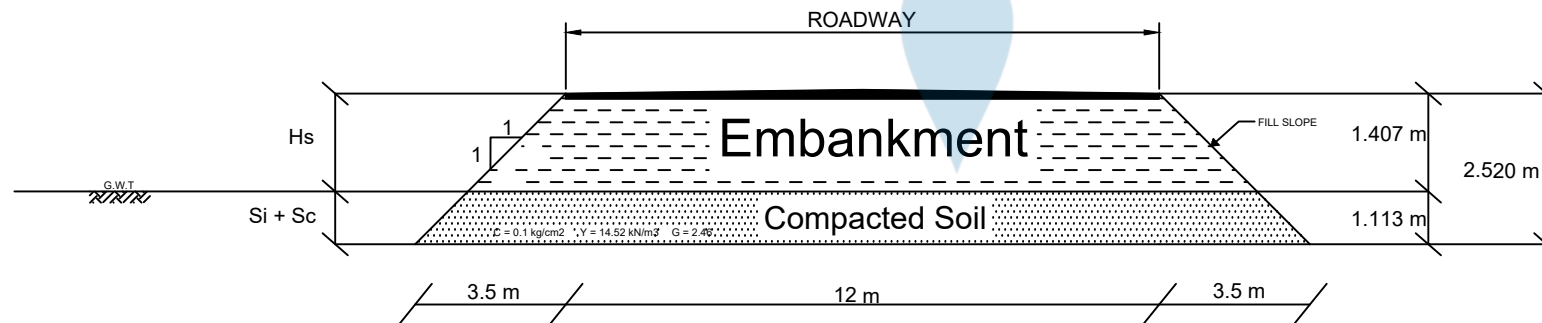
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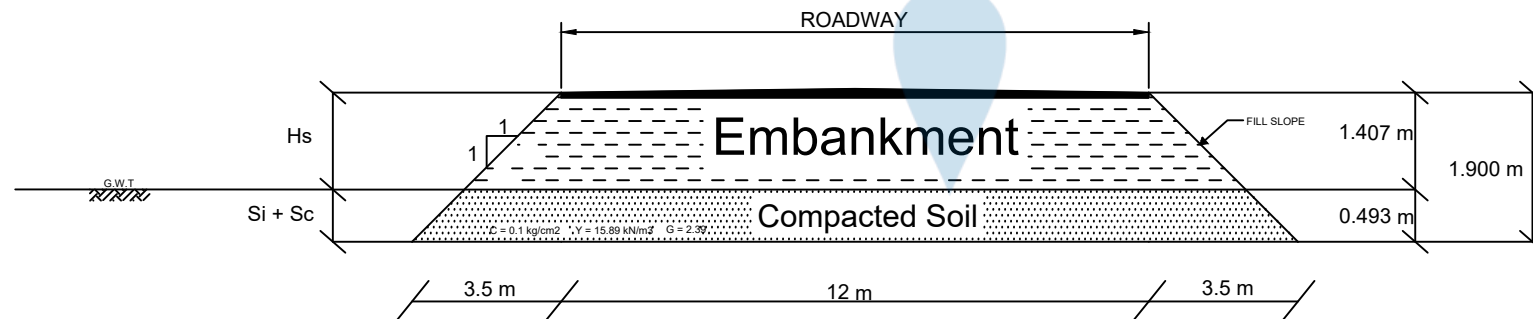
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