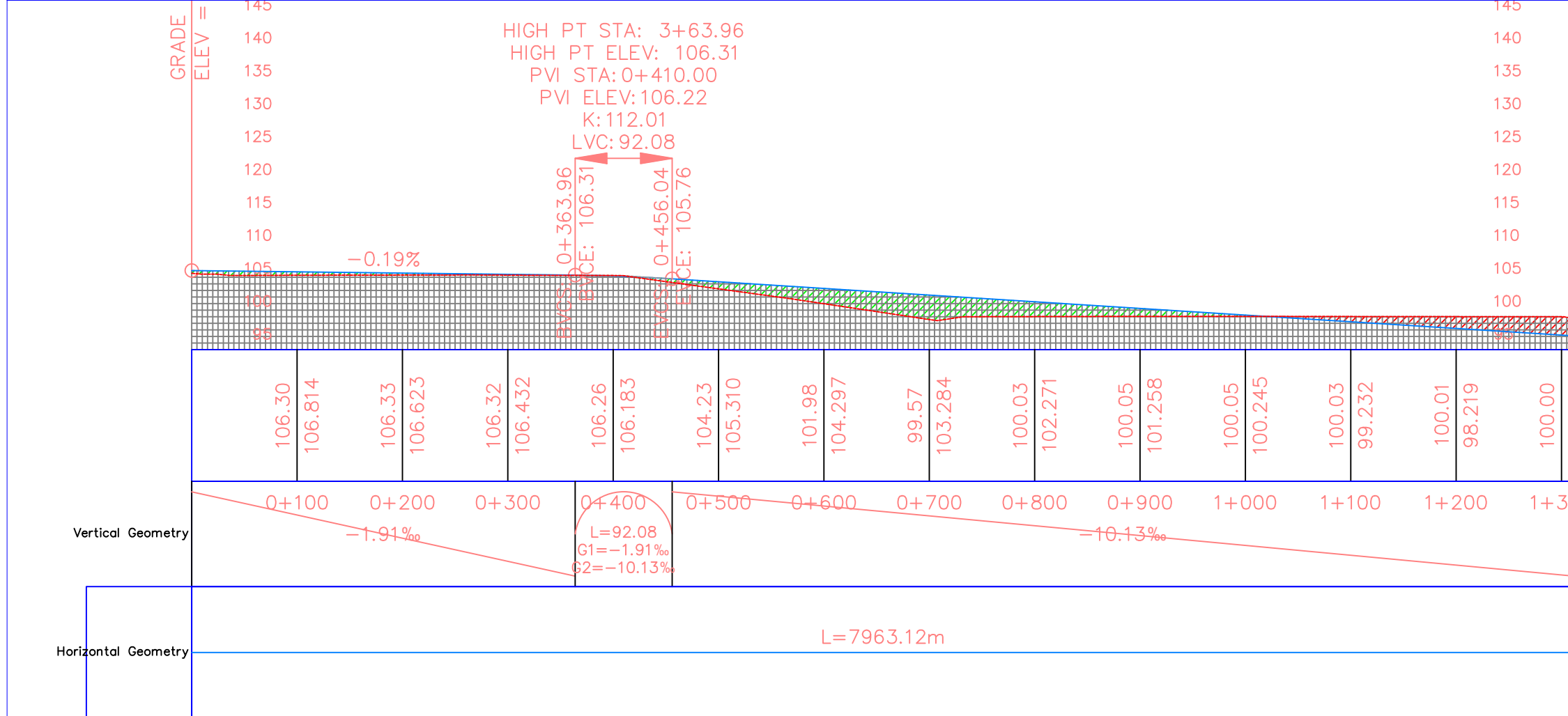


MATCH LINE - 1
 AT STATION - 1+312.00
 NEXT SHEET NUMBER: 2



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

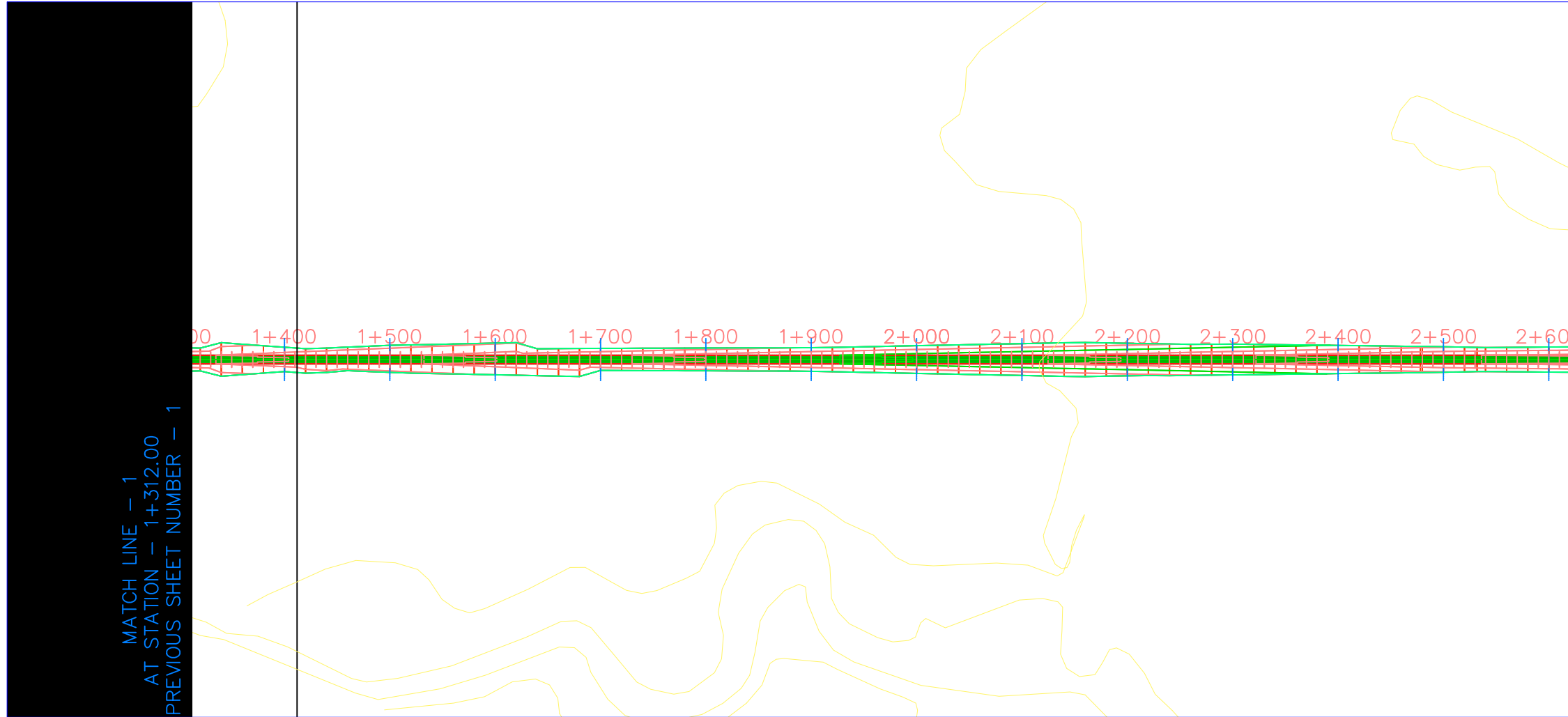
NOTE :

No.	Revision/Issue	Date

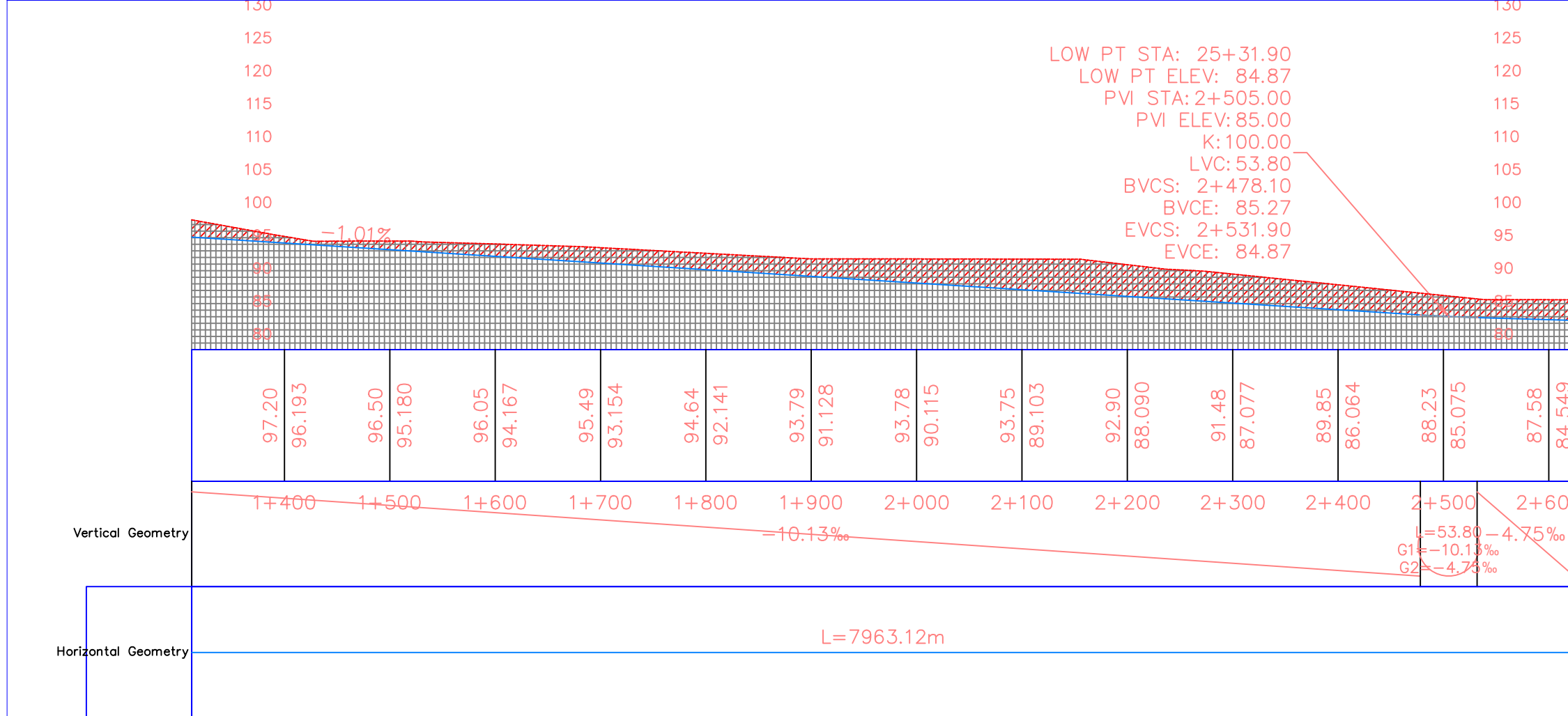
Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	1
Date	20.05.2018		
Scale	1:5000		



MATCH LINE - 2
 AT STATION - 2+624.00
 NEXT SHEET NUMBER: 3



UNIVERSITAS ISLAM INDONESIA
 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

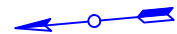

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



No.	Revision/Issue	Date

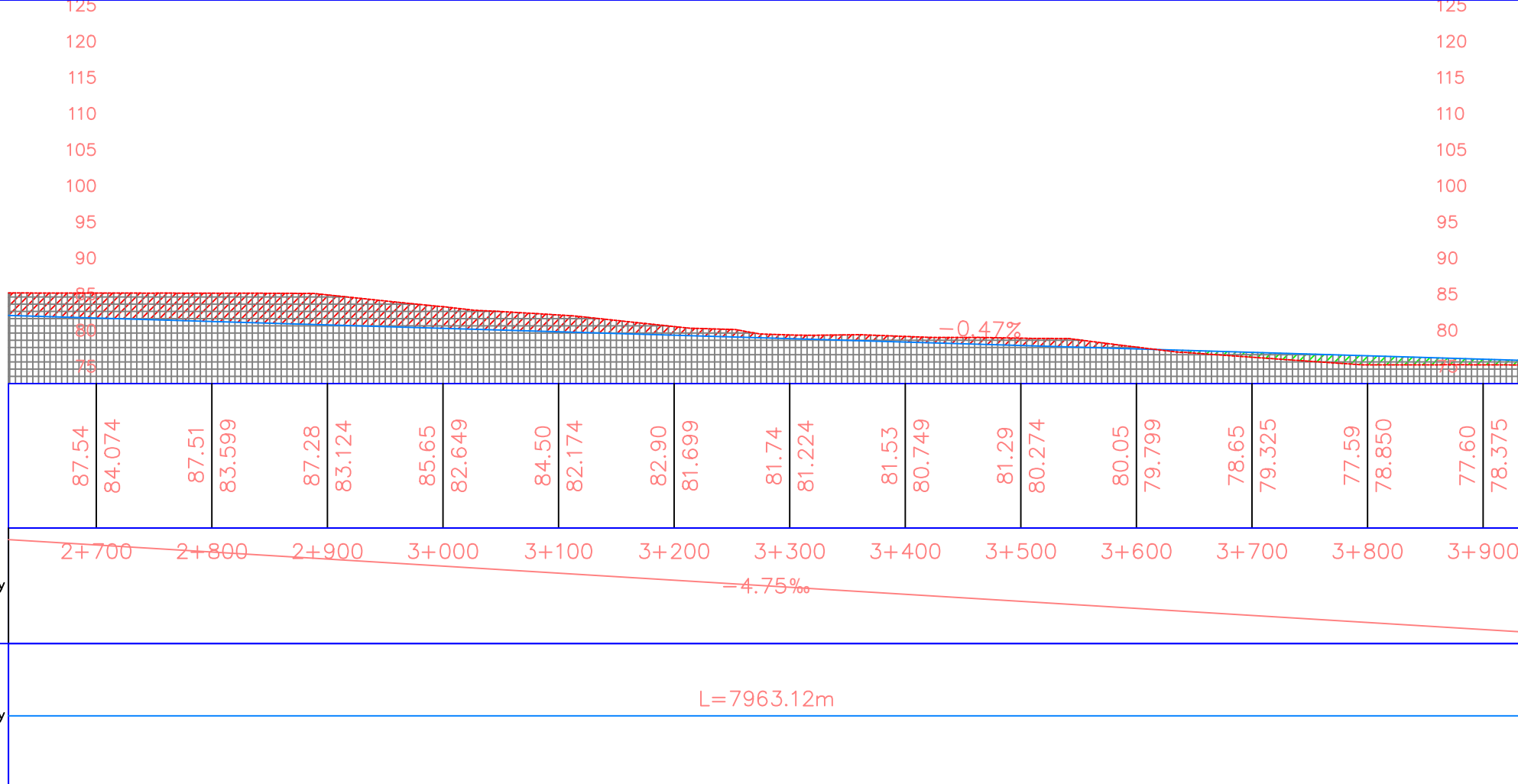
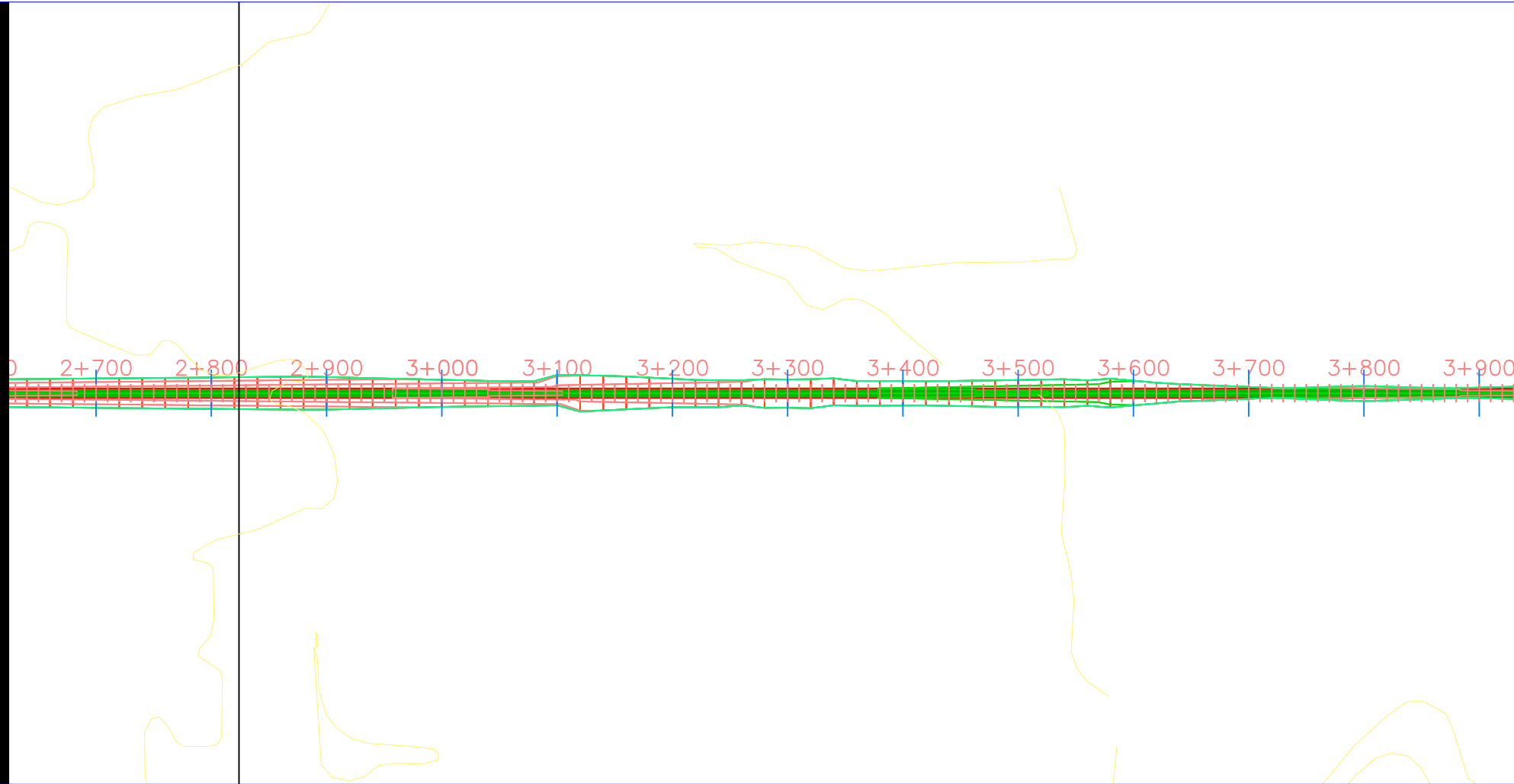
Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	2
Date	20.05.2018		
Scale	1:5000		

MATCH LINE - 2
 AT STATION - 2+624.00
 PREVIOUS SHEET NUMBER - 2

MATCH LINE - 3
 AT STATION - 3+936.00
 NEXT SHEET NUMBER: 4



Vertical Geometry

Horizontal Geometry

L=7963.12m



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

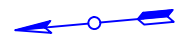
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



0 5000 10000

No.	Revision/Issue	Date

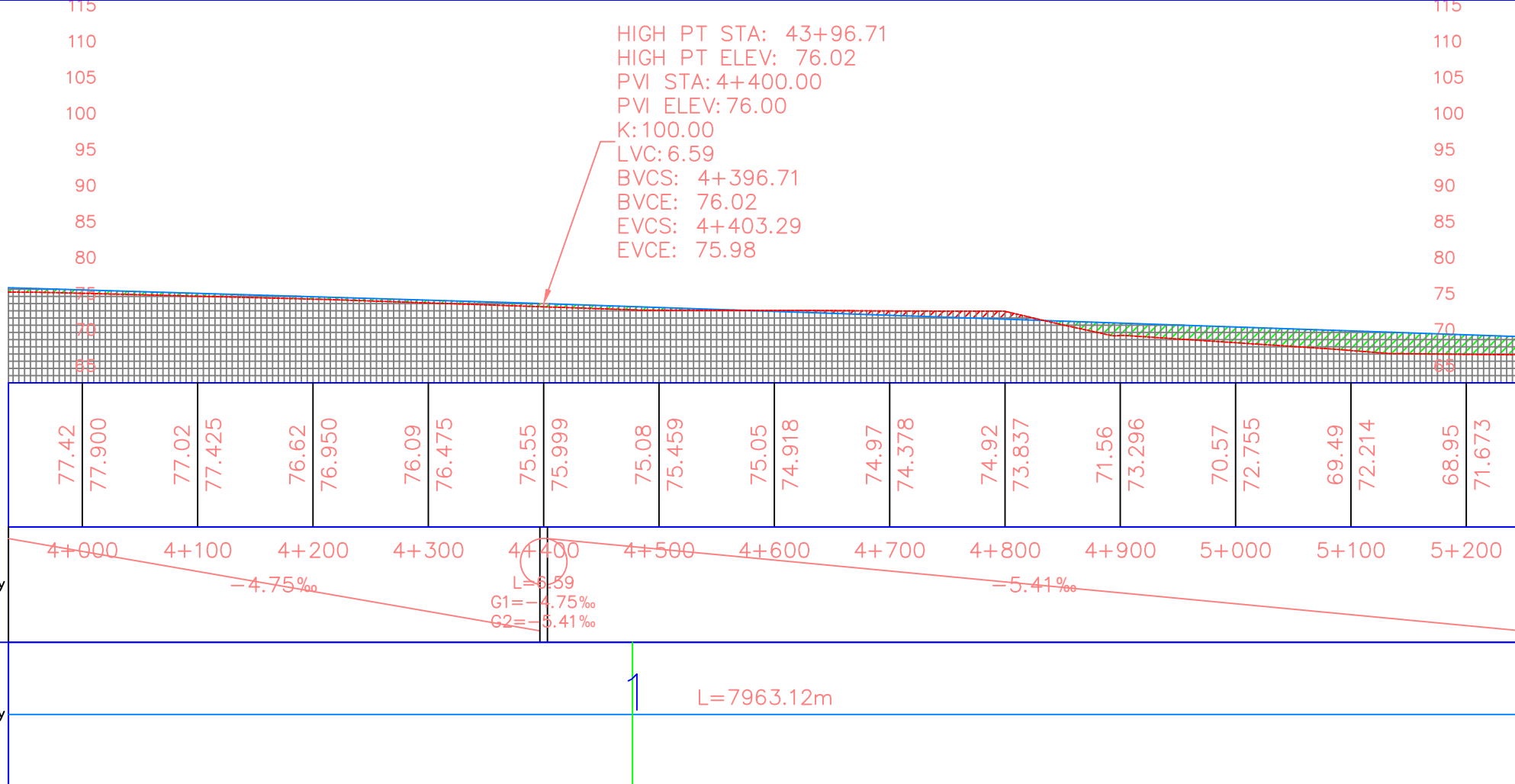
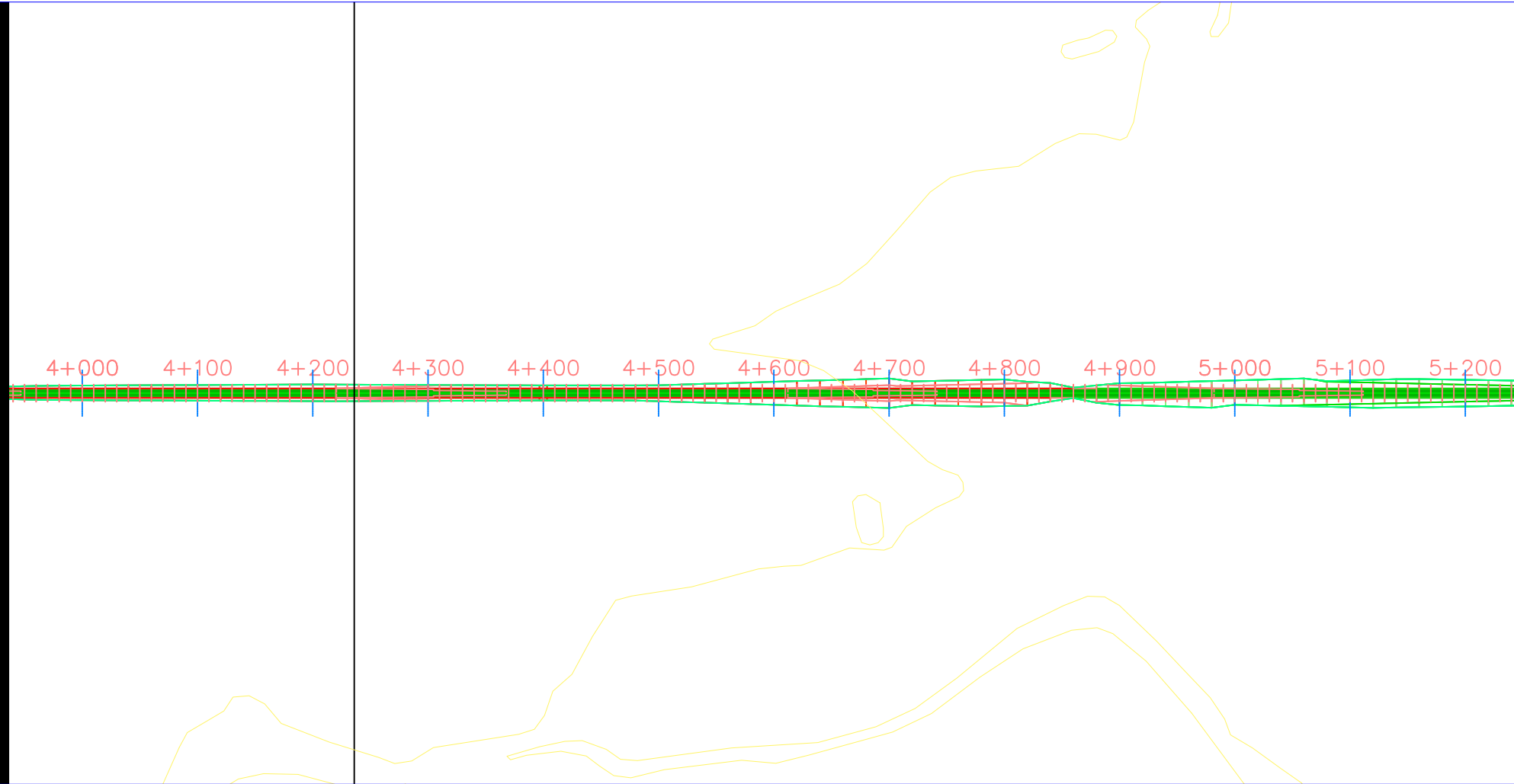
Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 3
Date 20.05.2018	
Scale 1:5000	

MATCH LINE - 3
 AT STATION - 3+936.00
 PREVIOUS SHEET NUMBER - 3

MATCH LINE - 4
 AT STATION - 5+248.00
 NEXT SHEET NUMBER: 5



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

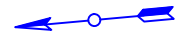
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



0 5000 10000

No.	Revision/Issue	Date

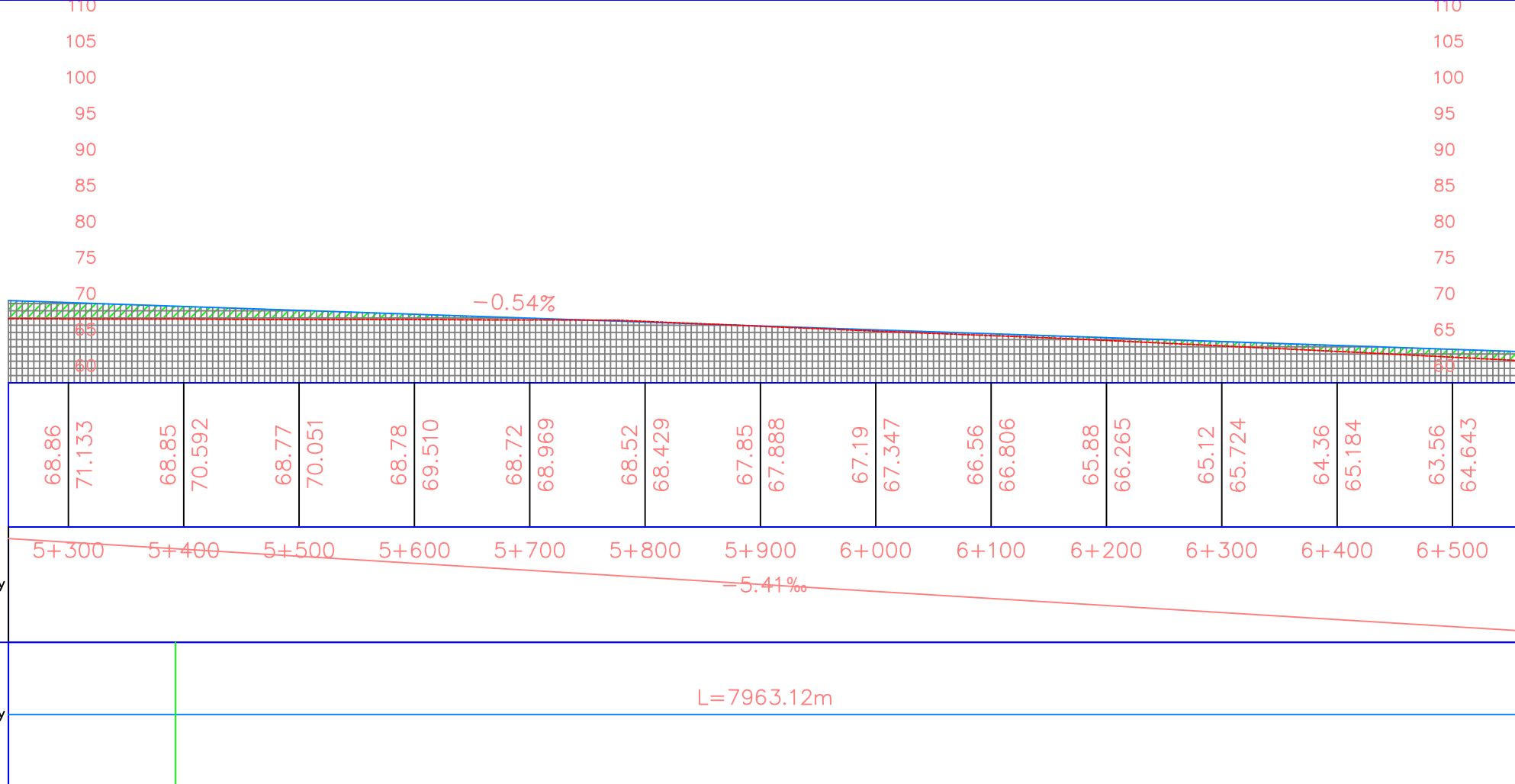
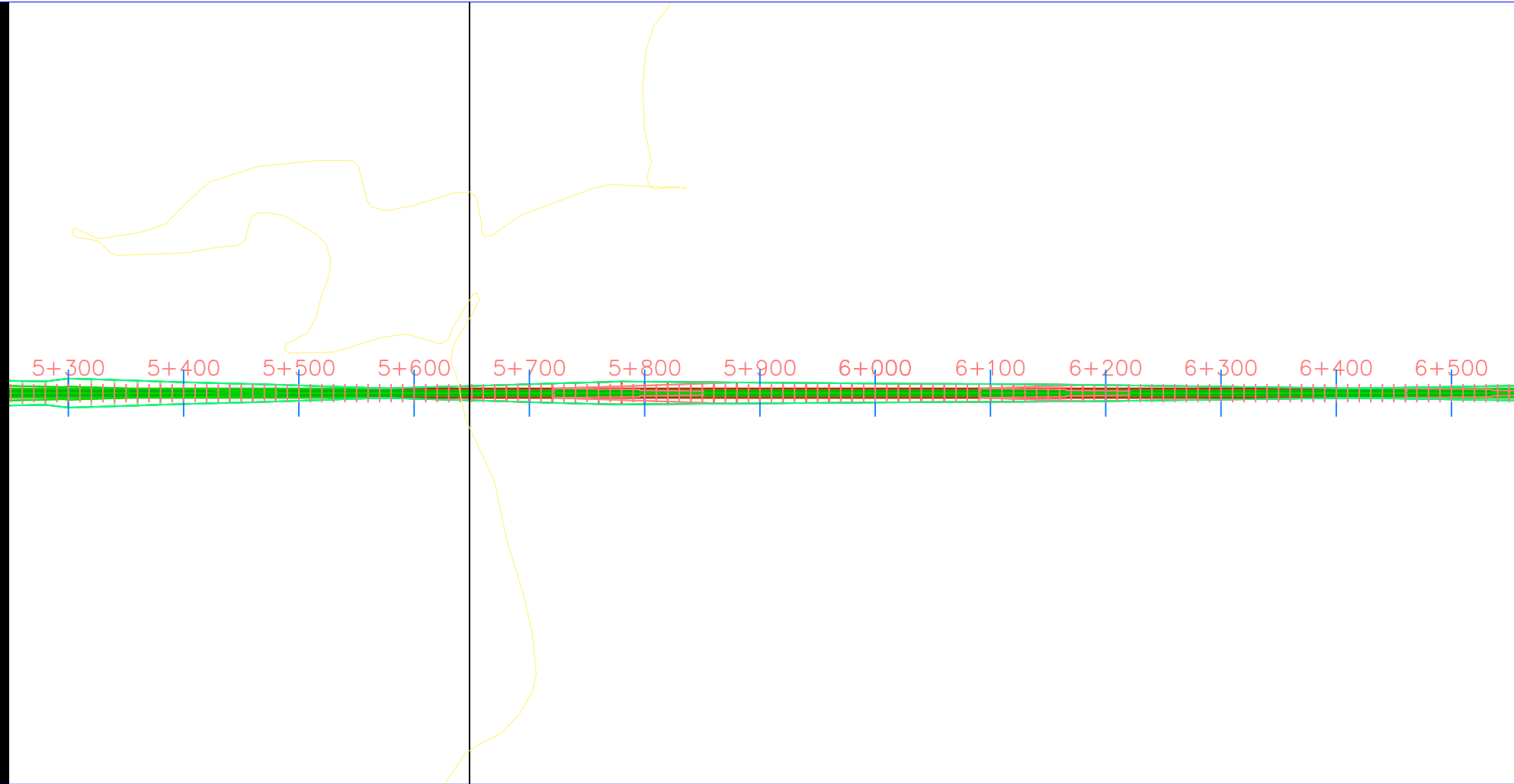
Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 4
Date 20.05.2018	
Scale 1:5000	

MATCH LINE - 4
 AT STATION - 5+248.00
 PREVIOUS SHEET NUMBER - 4

MATCH LINE - 5
 AT STATION - 6+560.00
 NEXT SHEET NUMBER: 6



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

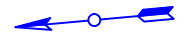
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



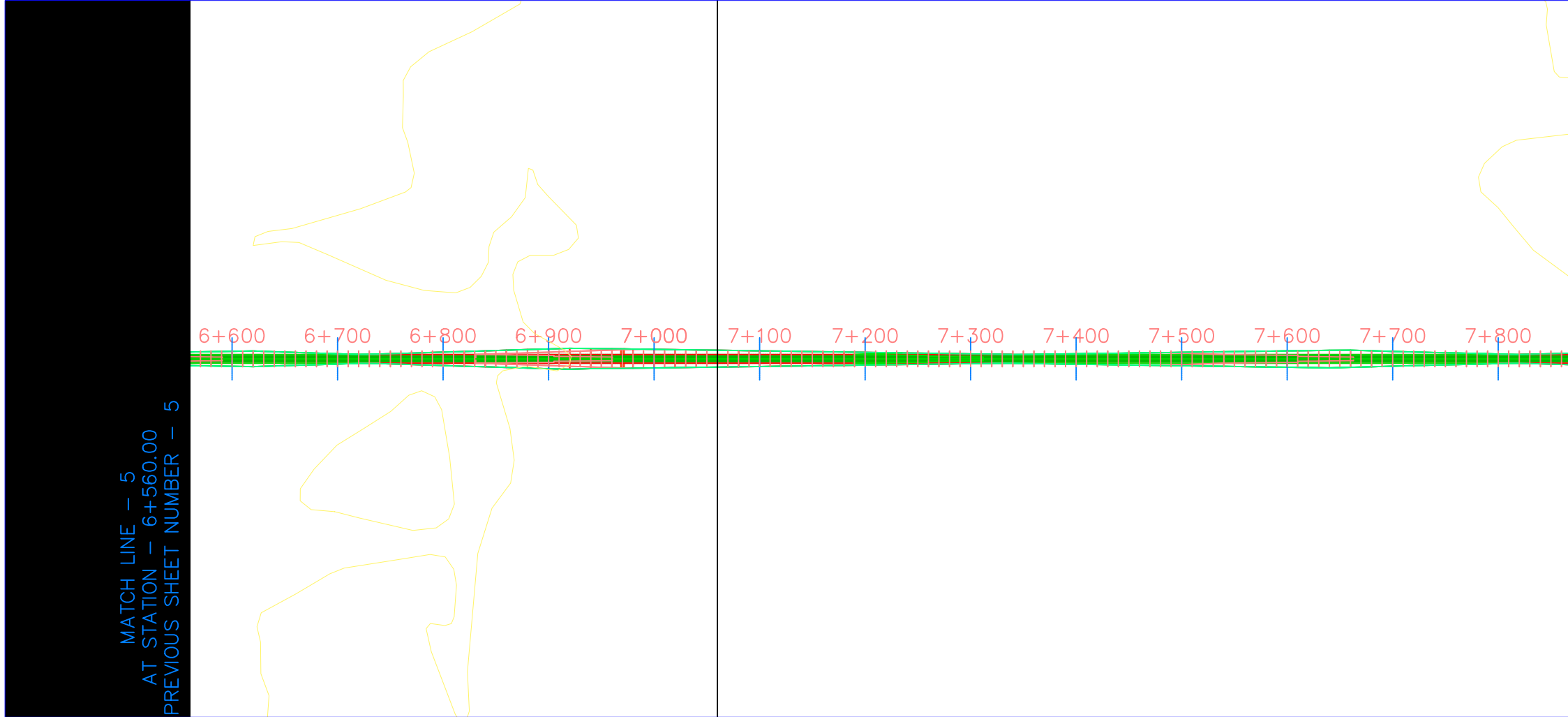
0 5000 10000

No.	Revision/Issue	Date

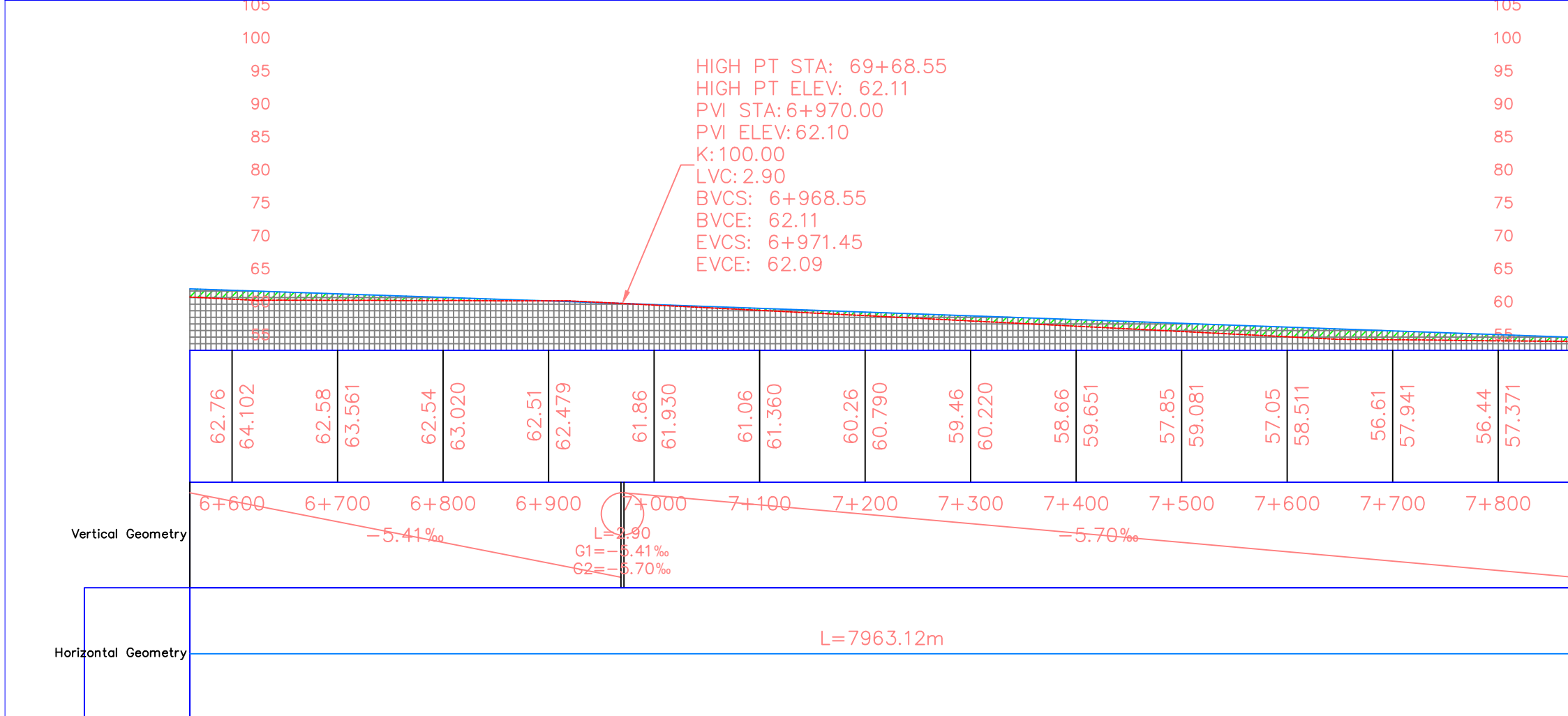
Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 5
Date 20.05.2018	
Scale 1:5000	



MATCH LINE - 6
 AT STATION - 7+872.00
 NEXT SHEET NUMBER: 7



MATCH LINE - 5
 AT STATION - 6+560.00
 PREVIOUS SHEET NUMBER - 5



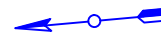

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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
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 YOGYAKARTA - PARANGTRITIS

DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :
 FAIZUL CHASANAH, S.T., M.SC.

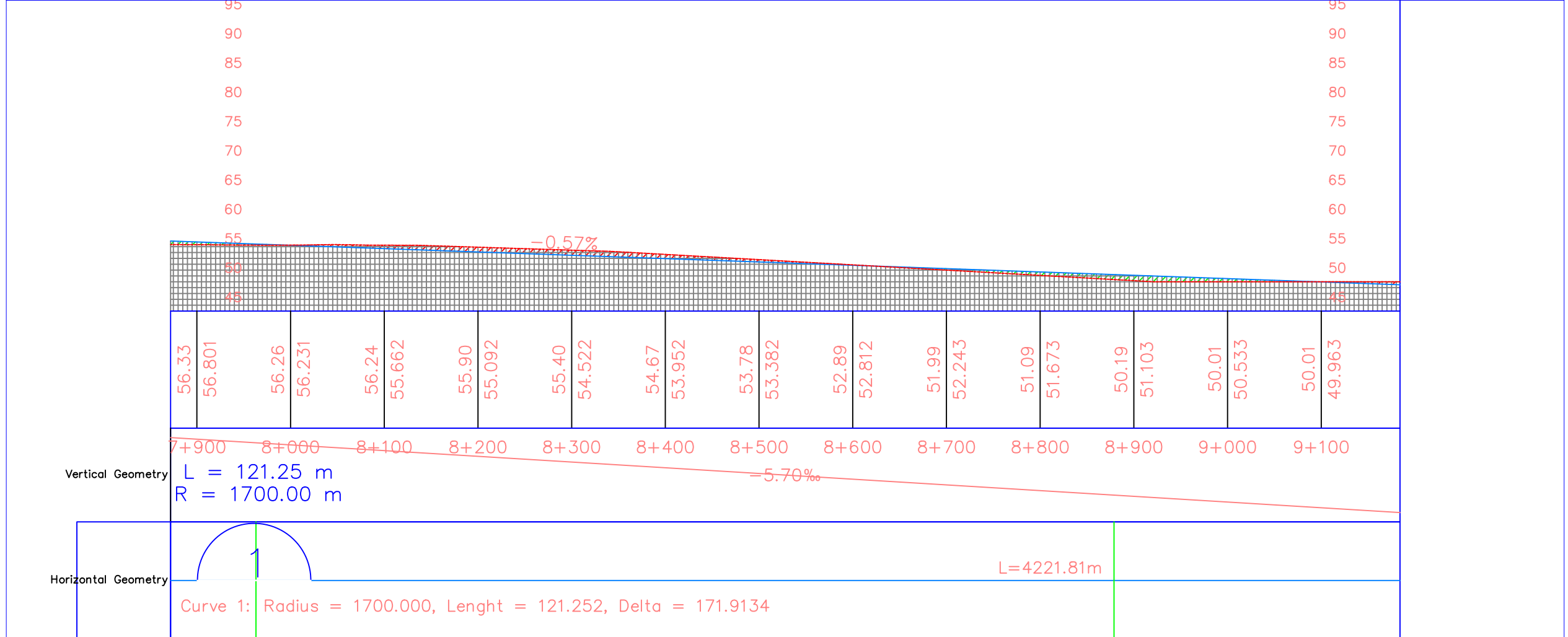
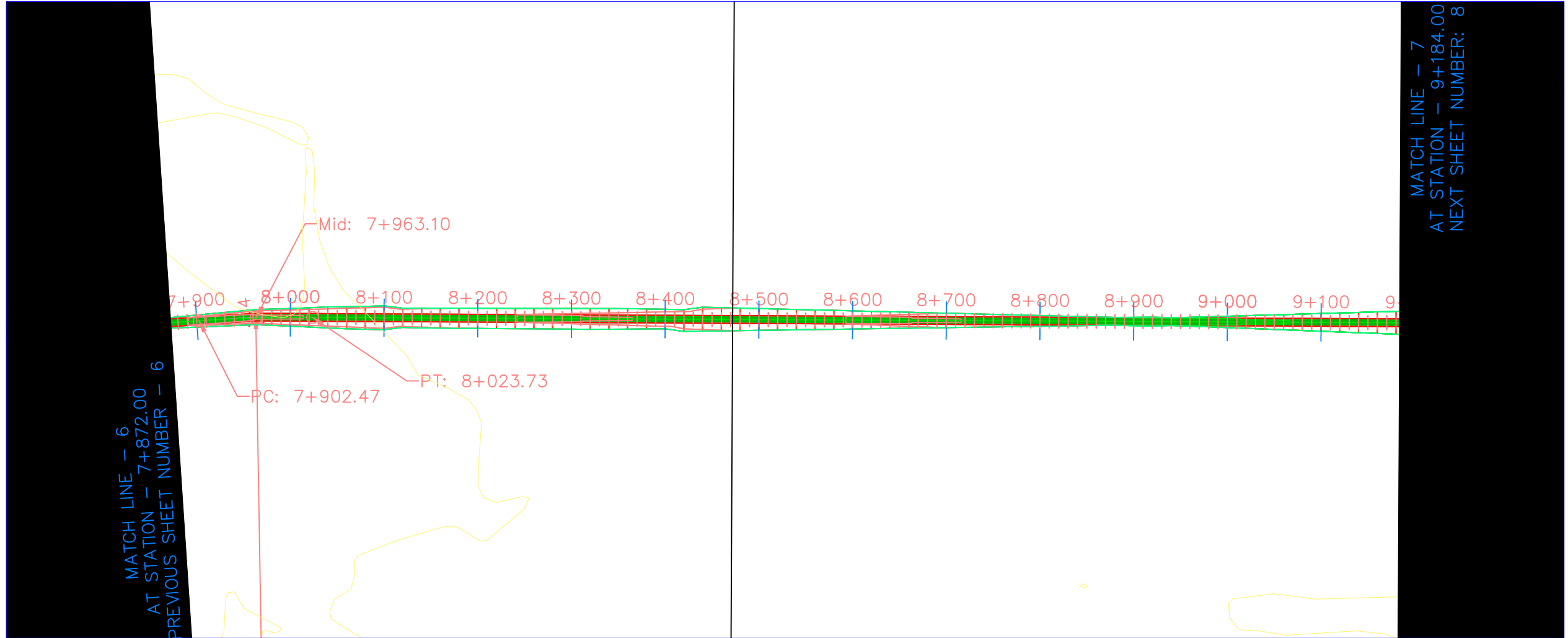
NOTE :



No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	6
Date	20.05.2018		
Scale	1:5000		



MATCH LINE - 7
 AT STATION - 9+184.00
 NEXT SHEET NUMBER: 8

MATCH LINE - 6
 AT STATION - 7+872.00
 PREVIOUS SHEET NUMBER - 6



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

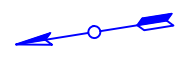
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



0 5000 10000

No.	Revision/Issue	Date

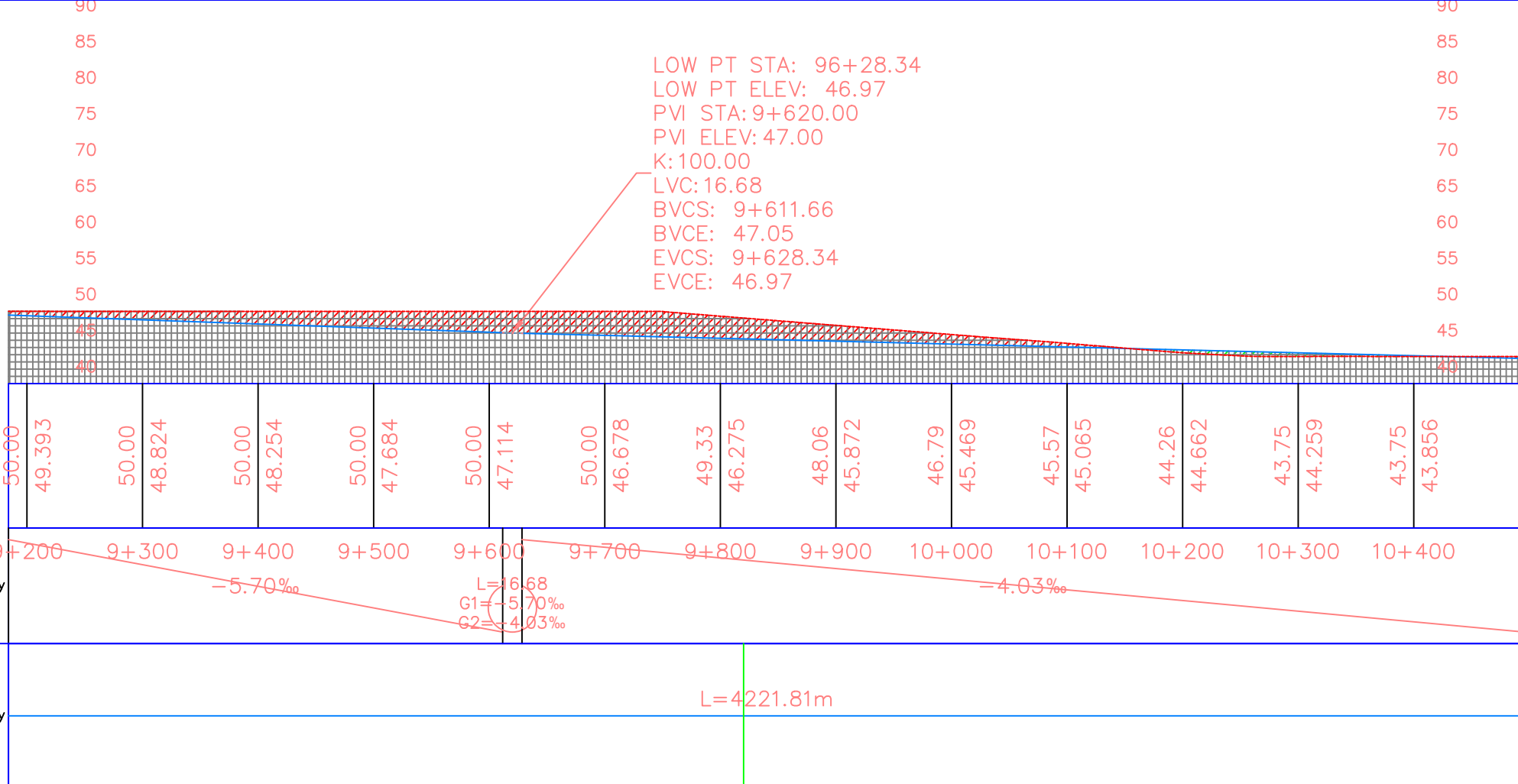
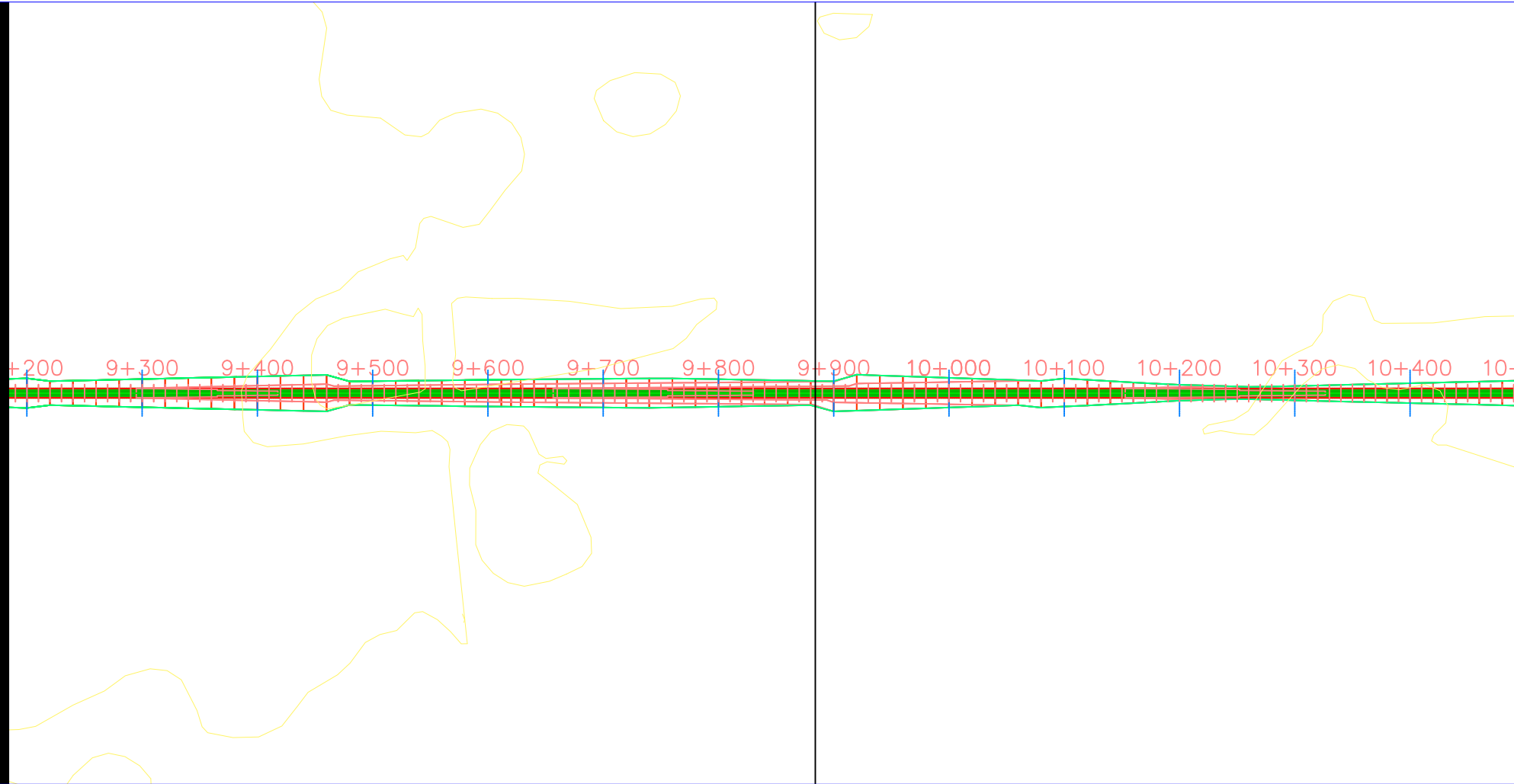
Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	7
Date	20.05.2018		
Scale	1:5000		

MATCH LINE - 7
 AT STATION - 9+184.00
 PREVIOUS SHEET NUMBER - 7

MATCH LINE - 8
 AT STATION - 10+496.00
 NEXT SHEET NUMBER: 9



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

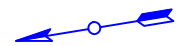
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



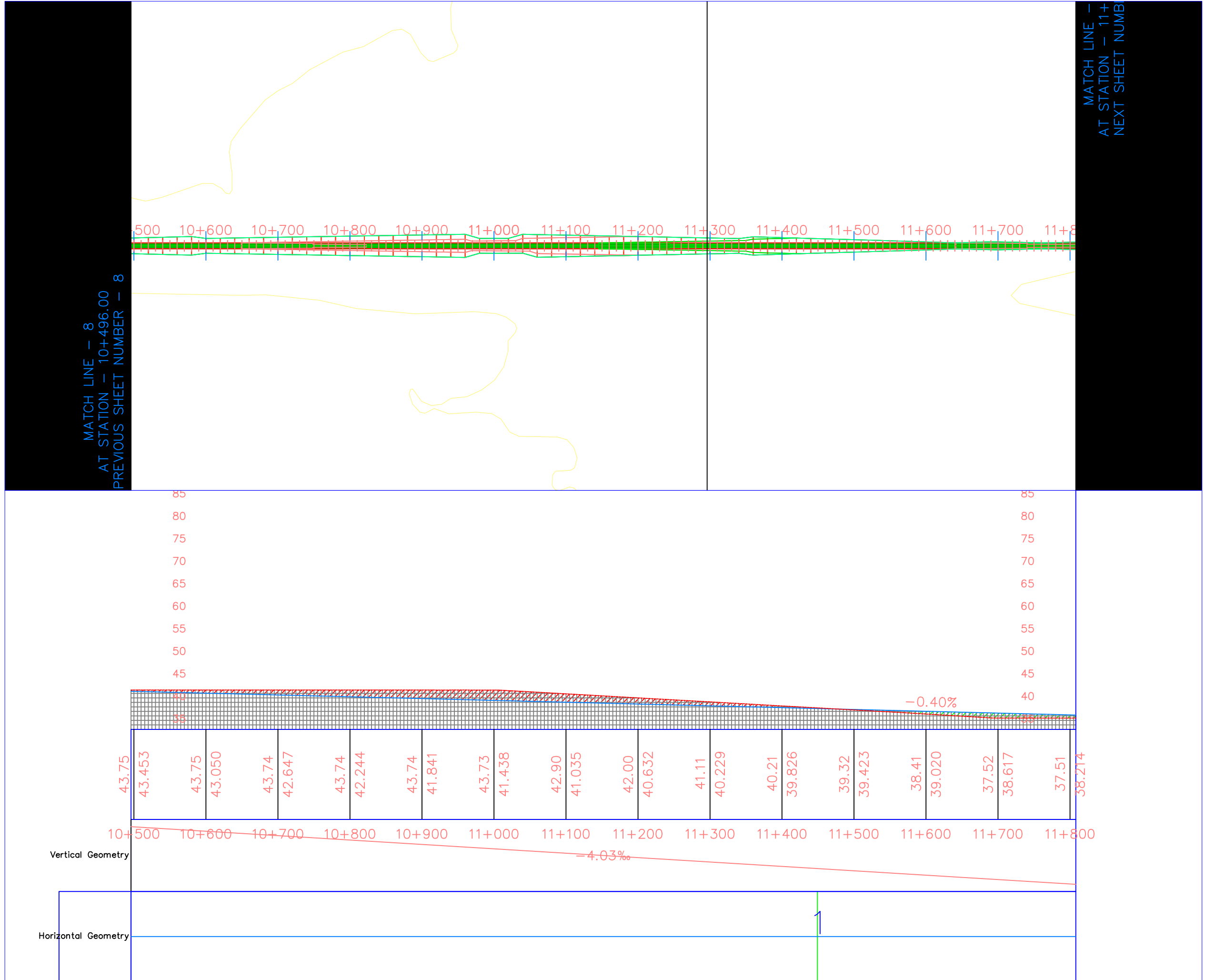
0 5000 10000

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 8
Date 20.05.2018	
Scale 1:5000	



MATCH LINE - 8
AT STATION - 10+496.00
PREVIOUS SHEET NUMBER - 8

MATCH LINE - 11+
AT STATION - 11+
NEXT SHEET NUMBER



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PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
PERENCANAAN REAKTIVASI JALUR
KERETA API RUTE
YOGYAKARTA - PARANGTRITIS

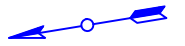
DRAWING TITLE :
PLAN AND PROFILE

DESIGN BY :
MOHAMMAD HAFIDZ ALI MUGHNI
(13511326)

APPROVED BY :

FAIZUL CHASANAH, S.T., M.SC.

NOTE :



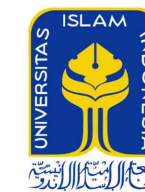
0 5000 10000

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 9
Date 20.05.2018	
Scale 1:5000	



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

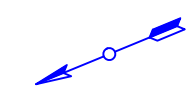
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



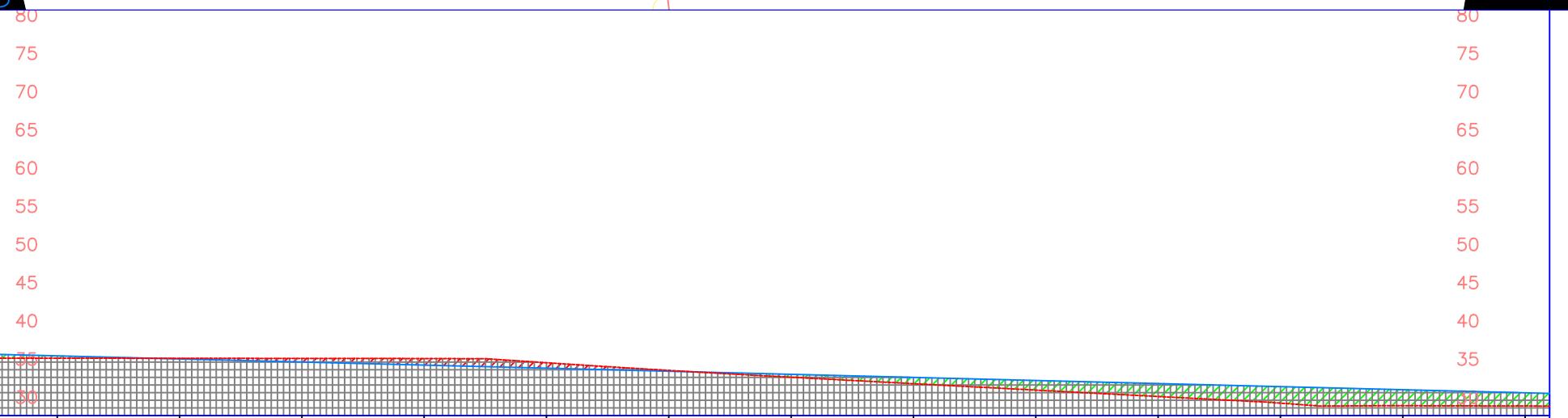
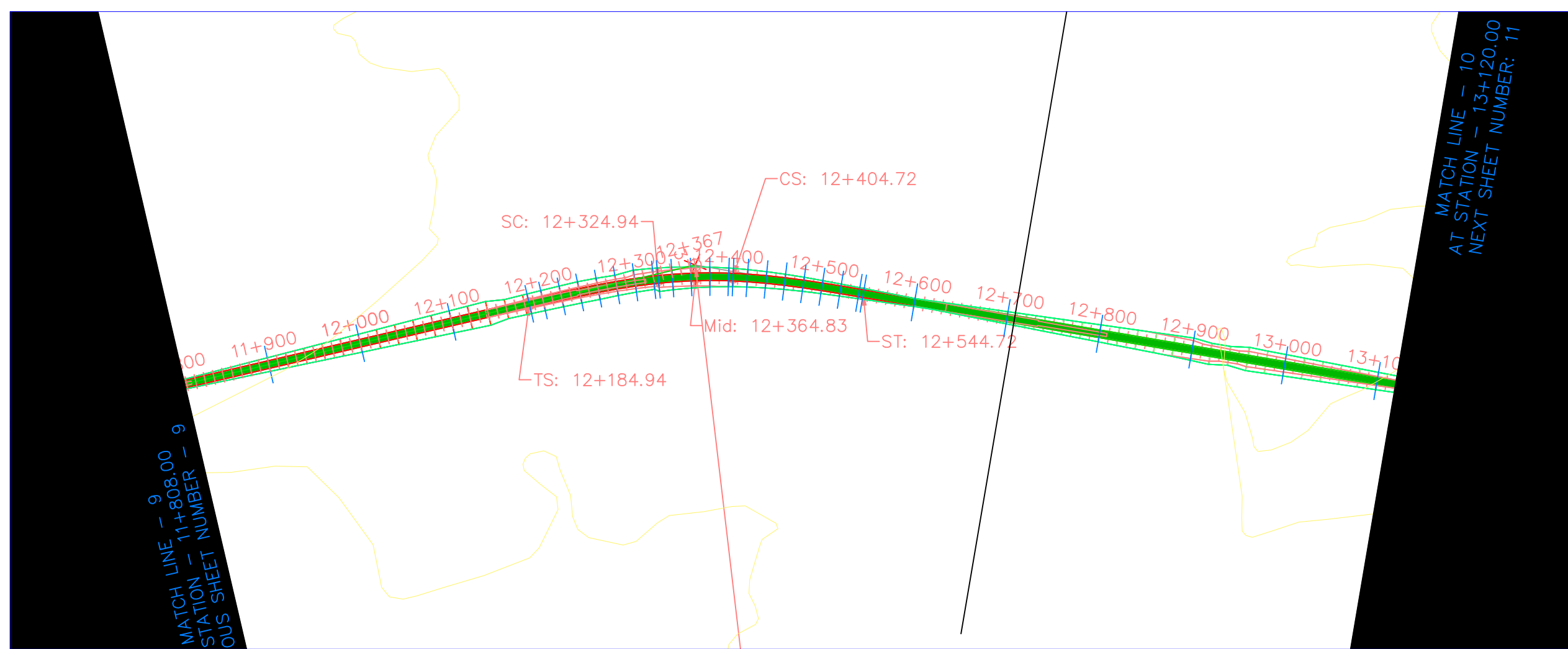
0 5000 10000

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 10
Date 20.05.2018	
Scale 1:5000	



37.50	37.811	37.49	37.408	37.47	37.005	37.46	36.602	36.91	36.199	35.91	35.796	35.02	35.393	34.17	34.990	33.33	34.587	32.49	34.184	31.63	33.781	31.29	33.378	31.25	32.975
11+900	12+000	12+100	12+200	12+300	12+400	12+500	12+600	12+700	12+800	12+900	13+000	13+100													

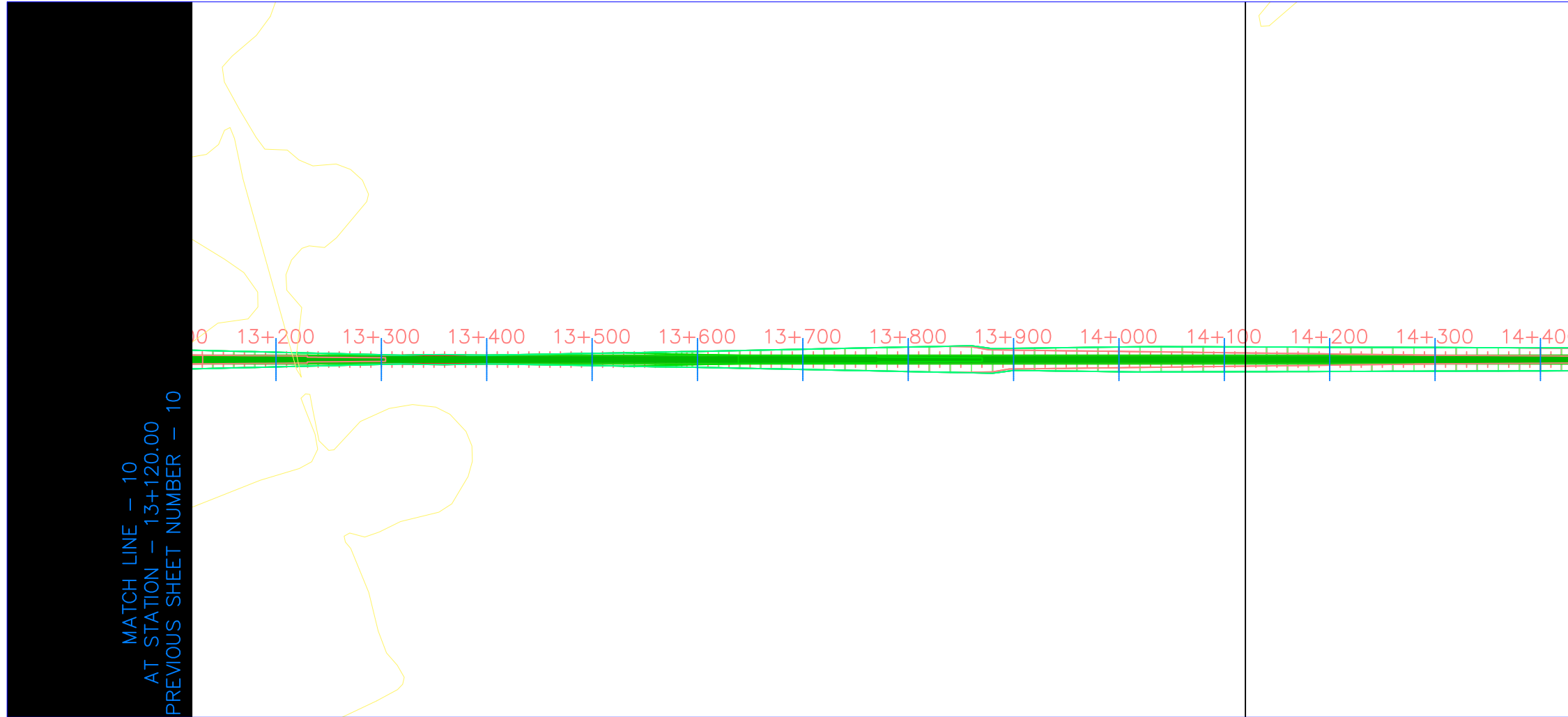
Vertical Geometry

$L=79.78m$ -4.03%
 $R=550.00m$

Horizontal Geometry

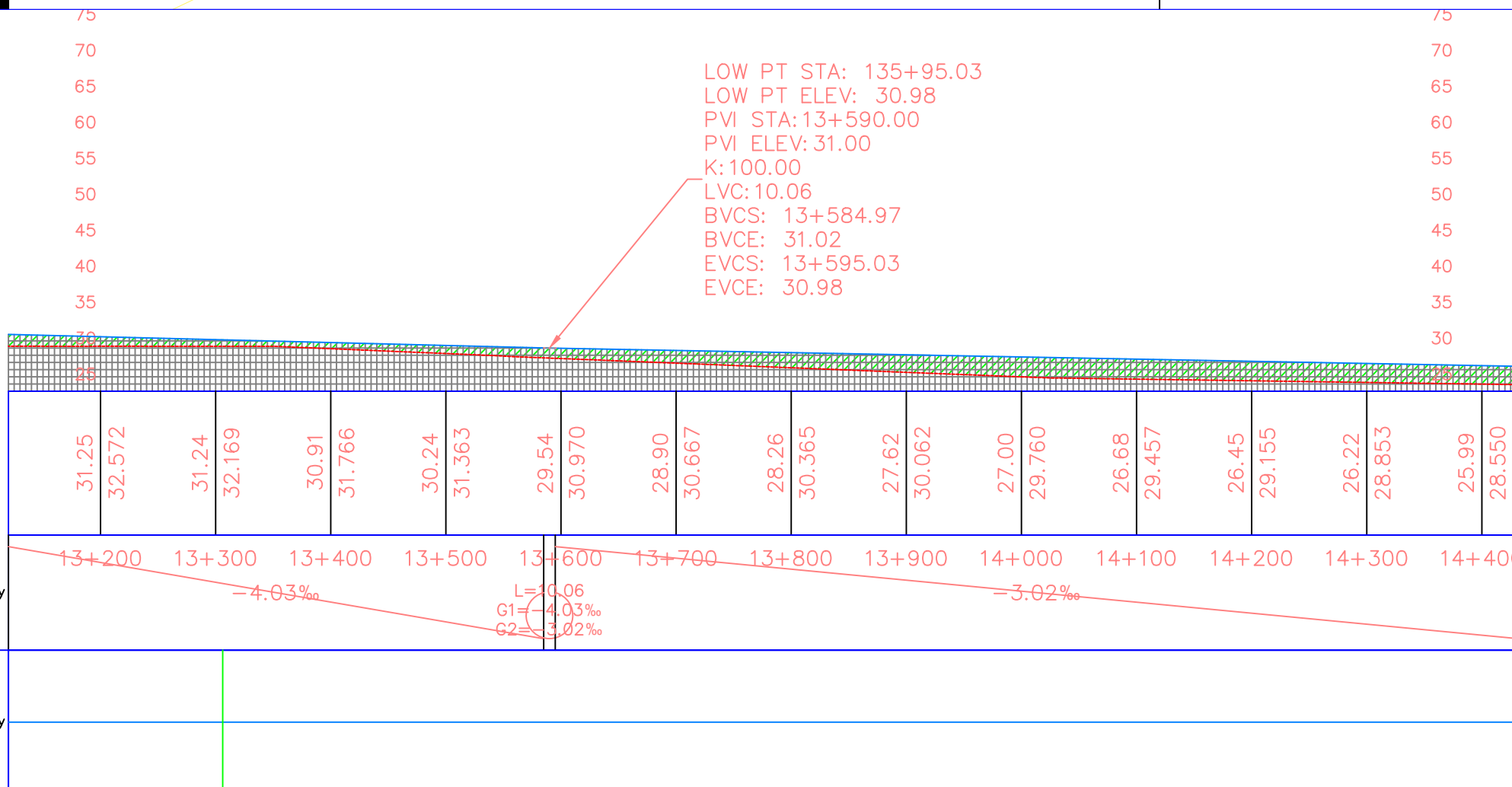
$L=4221.81m$ $L_s=140.00m$ $L_s=140.00m$ $L=7457.79m$

Spiral 1: Radius in=INFINITY, Radius out=550.000, Length=140.000
 Curve 1: Radius=550.000, Length=79.779, Delta=171.6891
 Spiral 2: Radius in=550.000, Radius out=INFINITY, Length=140.000



MATCH LINE - 10
 AT STATION - 13+120.00
 PREVIOUS SHEET NUMBER - 10

MATCH LINE - 11
 AT STATION - 14+432.00
 NEXT SHEET NUMBER: 12



Vertical Geometry

Horizontal Geometry



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 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

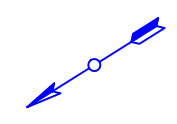
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



0 5000 10000

No.	Revision/Issue	Date

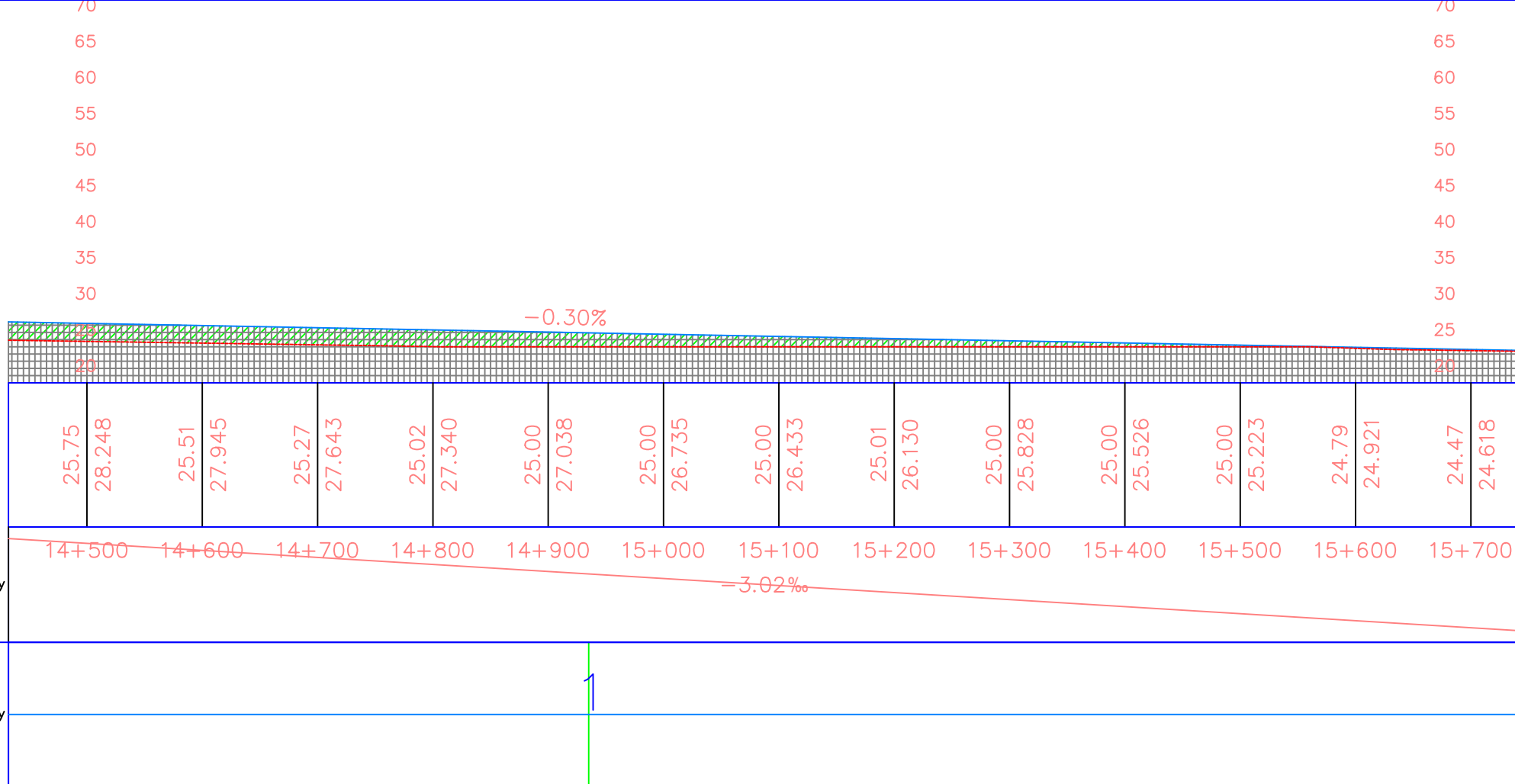
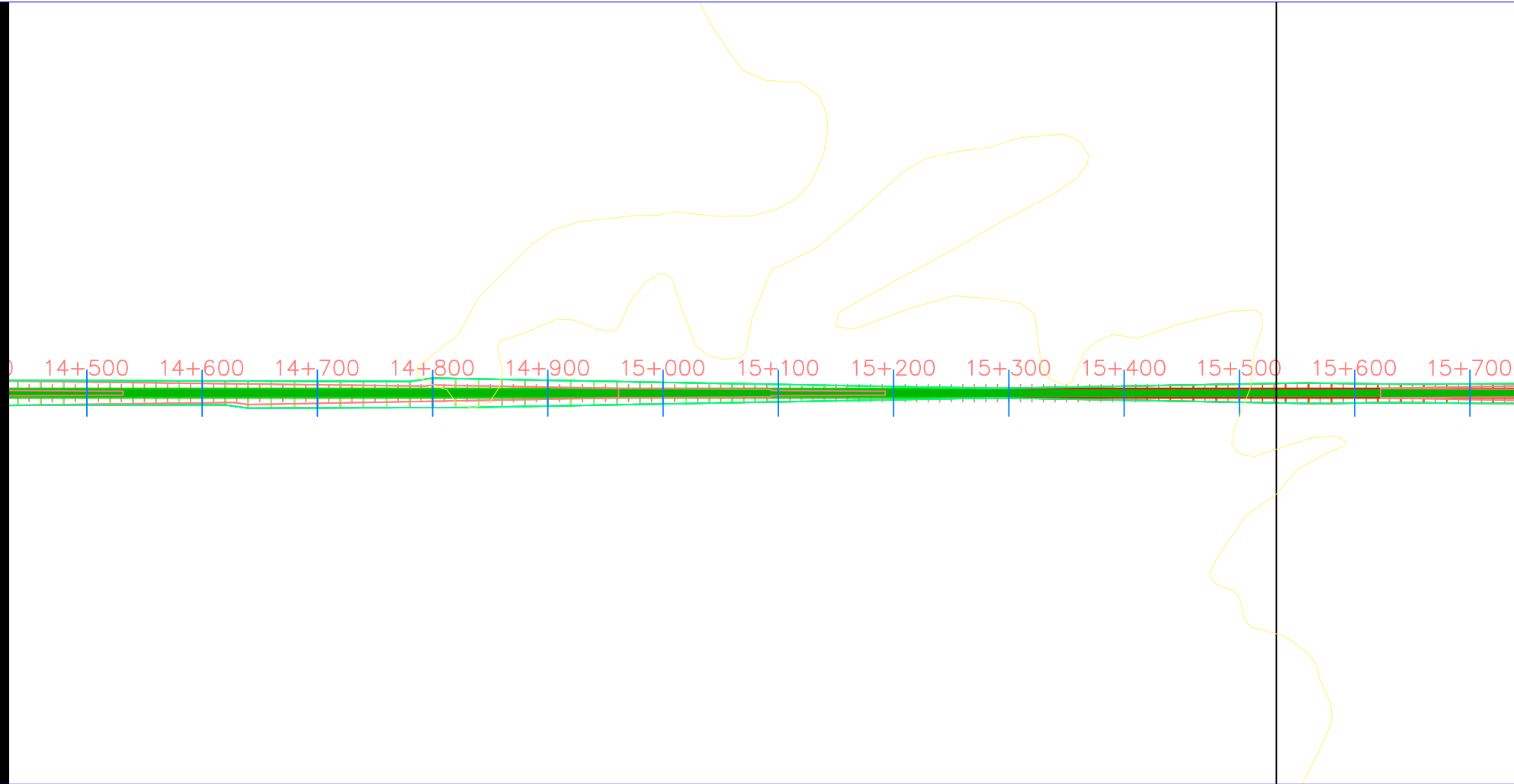
Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 11
Date 20.05.2018	
Scale 1:5000	

MATCH LINE - 11
 AT STATION - 14+432.00
 PREVIOUS SHEET NUMBER - 11

MATCH LINE - 12
 AT STATION - 15+744.00
 NEXT SHEET NUMBER: 13



Vertical Geometry

Horizontal Geometry



UNIVERSITAS ISLAM INDONESIA
 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

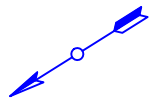
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :

 FAIZUL CHASANAH, S.T., M.SC.

NOTE :



0 5000 10000

No.	Revision/Issue	Date

Firm Name and Address

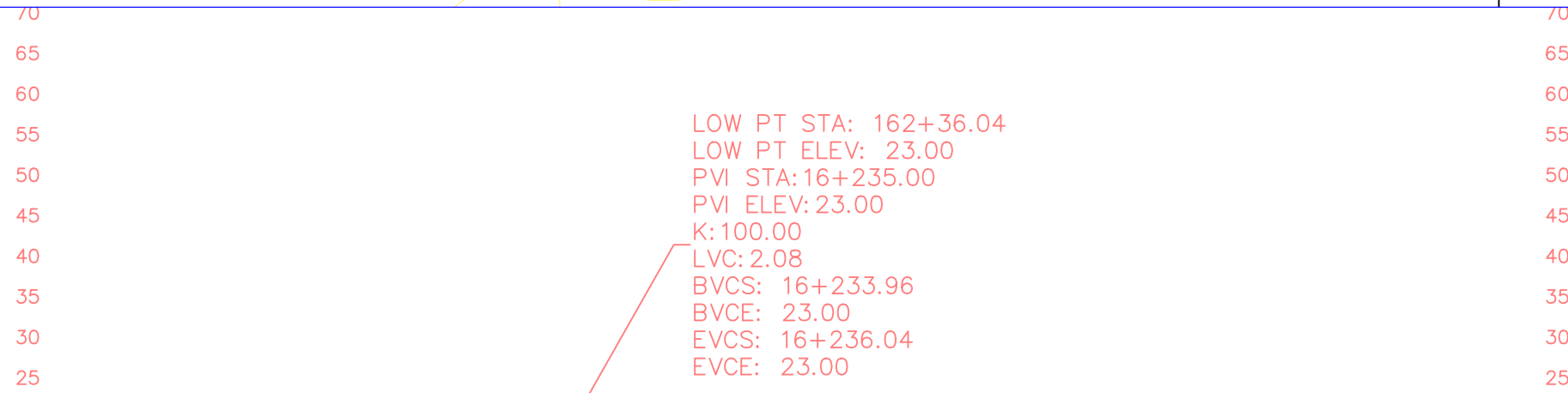
Project Name and Address

Project	RAILWAY	Sheet	12
Date	20.05.2018		
Scale	1:5000		

MATCH LINE - 12
 AT STATION - 15+744.00
 PREVIOUS SHEET NUMBER - 12

MATCH LINE - 13
 AT STATION - 17+056.00
 NEXT SHEET NUMBER: 14

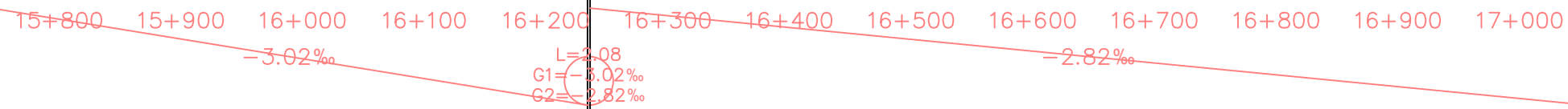
15+800 15+900 16+000 16+100 16+200 16+300 16+400 16+500 16+600 16+700 16+800 16+900 17+000



LOW PT STA: 162+36.04
 LOW PT ELEV: 23.00
 PVI STA: 16+235.00
 PVI ELEV: 23.00
 K: 100.00
 LVC: 2.08
 BVCS: 16+233.96
 BVCE: 23.00
 EVCS: 16+236.04
 EVCE: 23.00

24.26	24.316	24.05	24.013	23.84	23.711	23.71	23.408	23.60	23.106	23.49	22.817	23.69	22.535	23.83	22.254	23.52	21.972	23.03	21.690	22.41	21.409	21.78	21.127	21.16	20.845
-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------	-------	--------

Vertical Geometry



Horizontal Geometry



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 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
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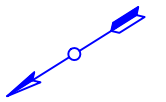
DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
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 (13511326)

APPROVED BY :

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NOTE :



0 5000 10000

No.	Revision/Issue	Date

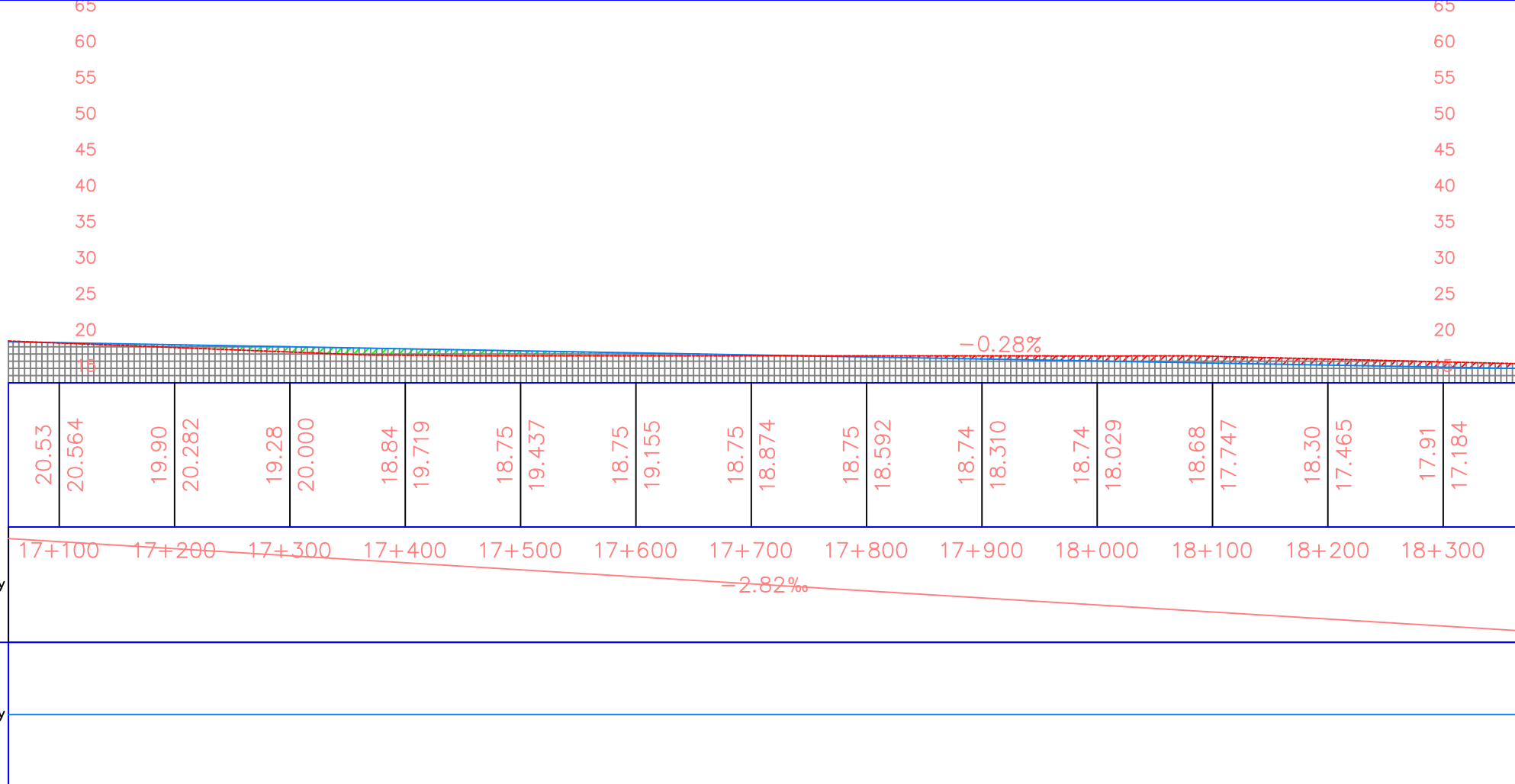
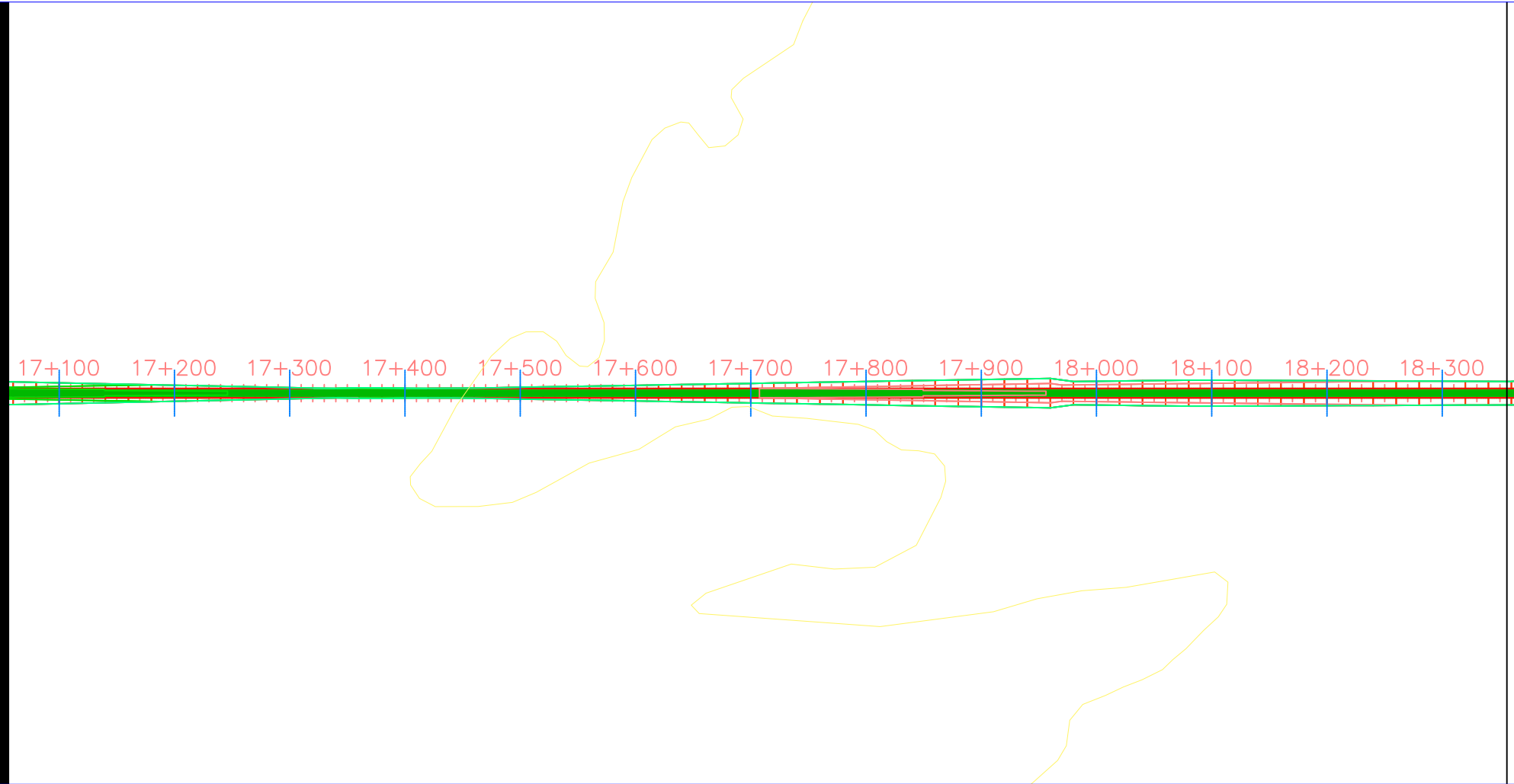
Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 13
Date 20.05.2018	
Scale 1:5000	

MATCH LINE - 13
 AT STATION - 17+056.00
 PREVIOUS SHEET NUMBER - 13

MATCH LINE - 14
 AT STATION - 18+368.00
 NEXT SHEET NUMBER: 15



Vertical Geometry

Horizontal Geometry



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 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

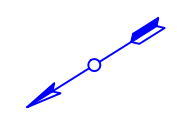
DRAWING TITLE :
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 (13511326)

APPROVED BY :

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NOTE :



0 5000 10000

No.	Revision/Issue	Date

Firm Name and Address

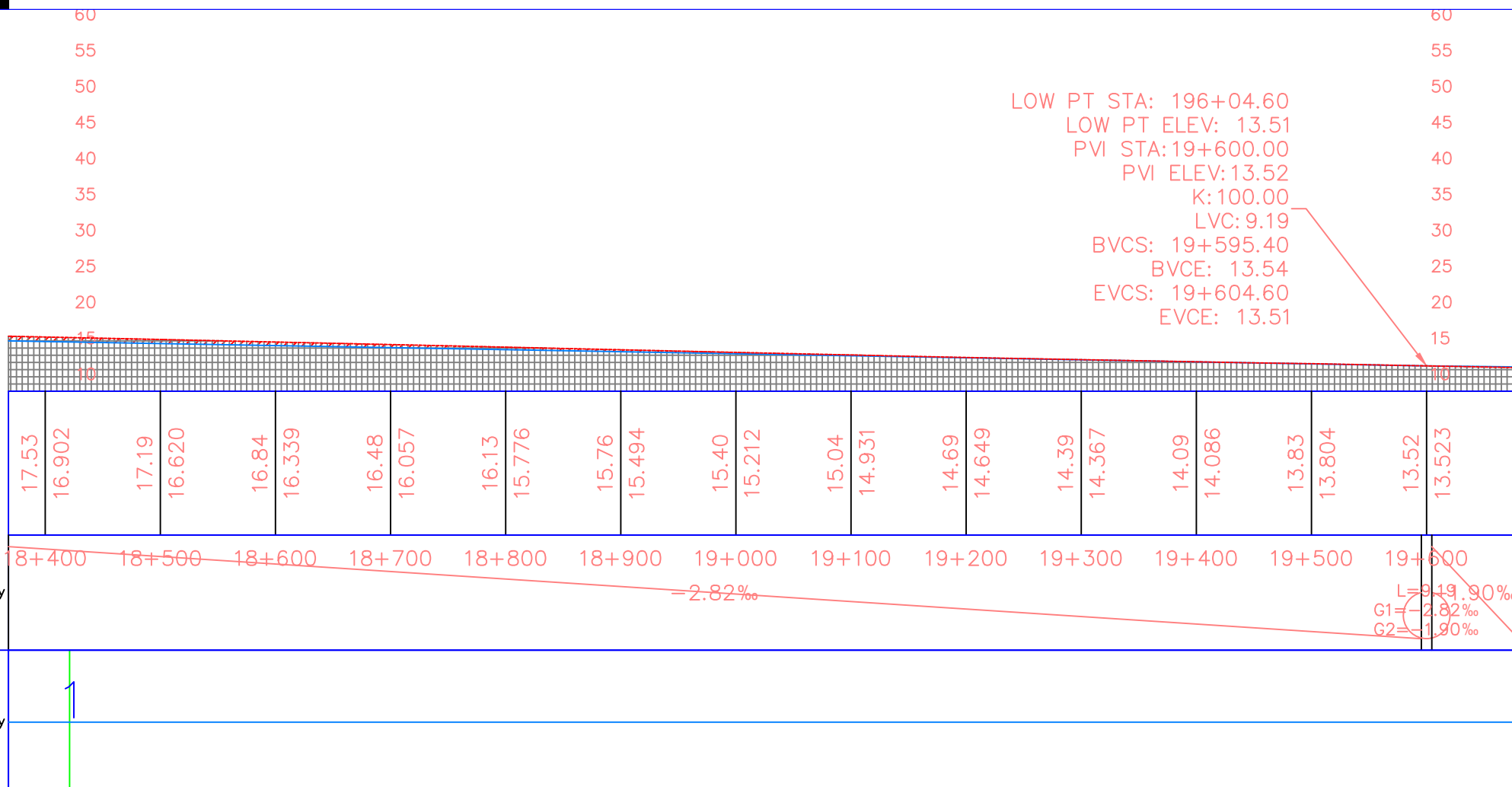
Project Name and Address

Project	RAILWAY	Sheet	14
Date	20.05.2018		
Scale	1:5000		

MATCH LINE - 14
 AT STATION - 18+368.00
 PREVIOUS SHEET NUMBER - 14

MATCH LINE - 15
 AT STATION - 19+680.00
 NEXT SHEET NUMBER: 16

8+400 18+500 18+600 18+700 18+800 18+900 19+000 19+100 19+200 19+300 19+400 19+500 19+600 19



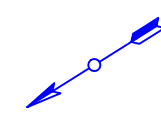

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TITLE OF THESIS :
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 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

DRAWING TITLE :
 PLAN AND PROFILE

DESIGN BY :
 MOHAMMAD HAFIDZ ALI MUGHNI
 (13511326)

APPROVED BY :
 FAIZUL CHASANAH, S.T., M.SC.

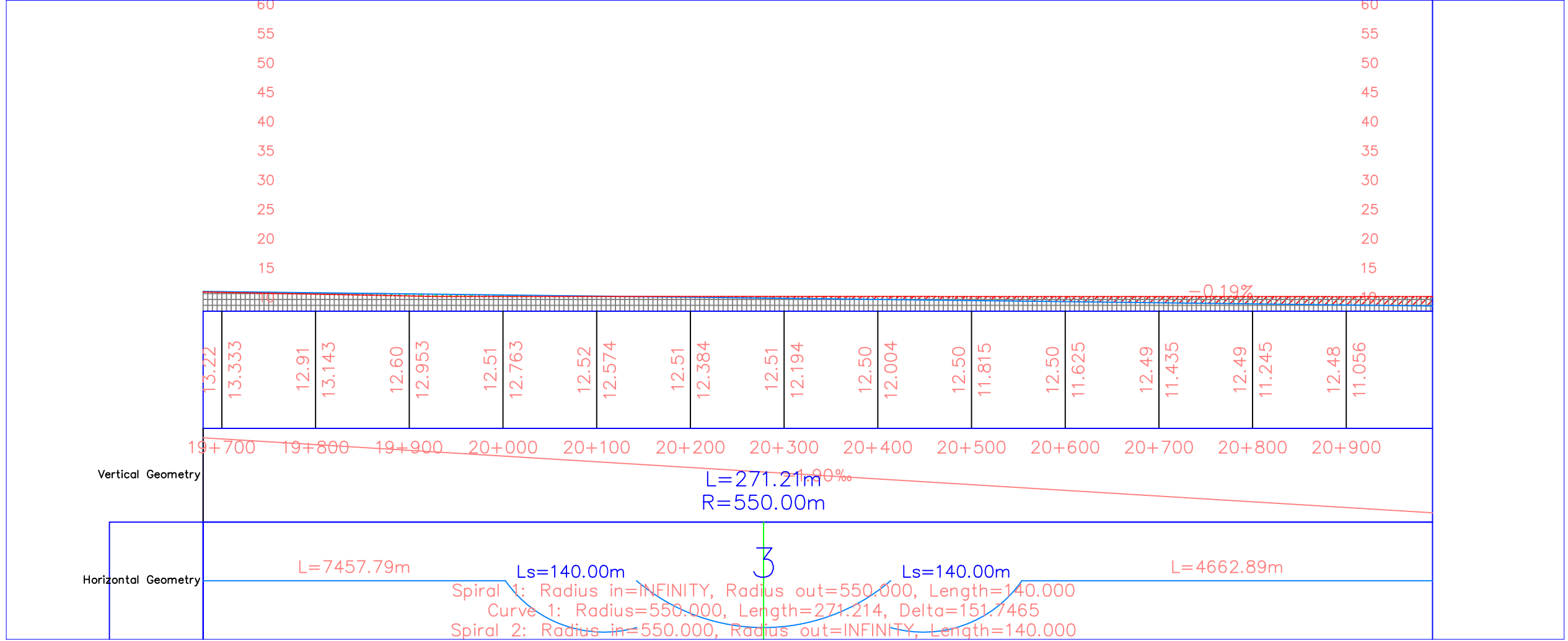
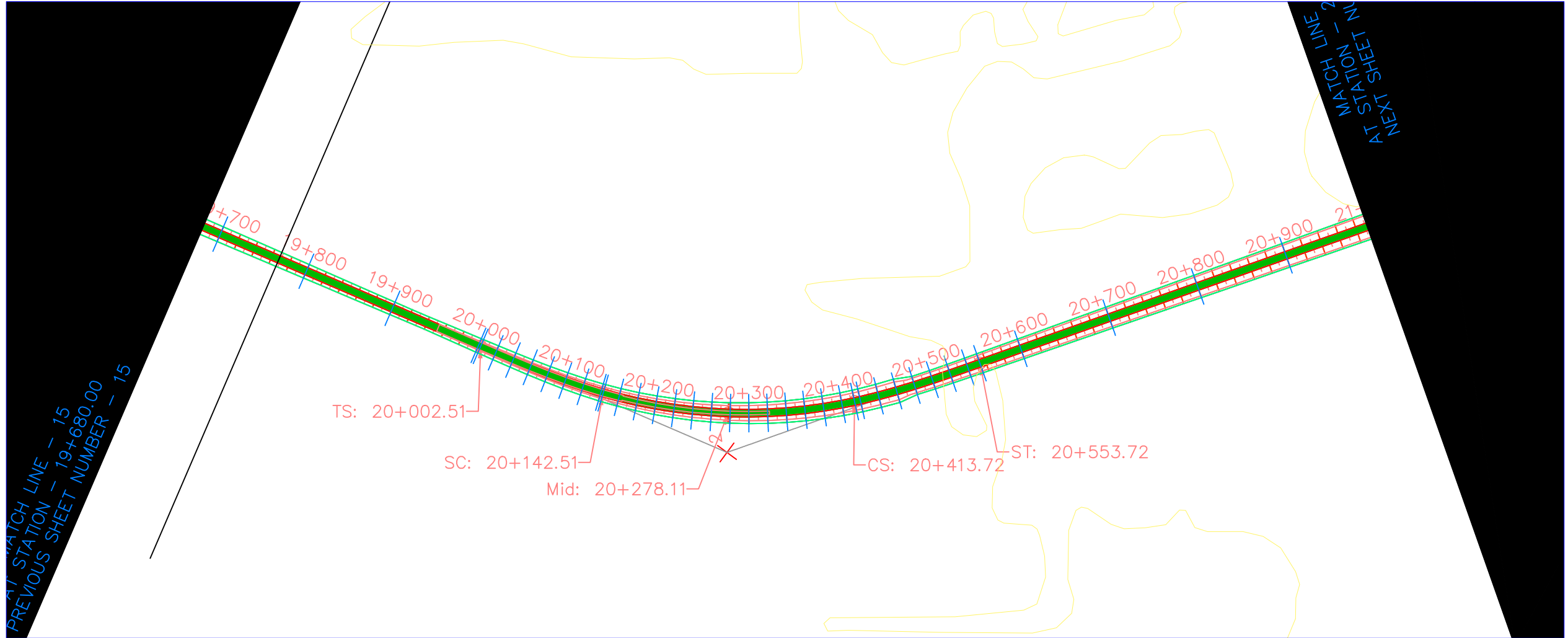
NOTE :



No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	15
Date	20.05.2018		
Scale	1:5000		



UNIVERSITAS ISLAM INDONESIA
 FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
 PROGRAM STUDI TEKNIK SIPIL

TITLE OF THESIS :
 PERENCANAAN REAKTIVASI JALUR
 KERETA API RUTE
 YOGYAKARTA – PARANGTRITIS

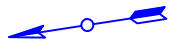
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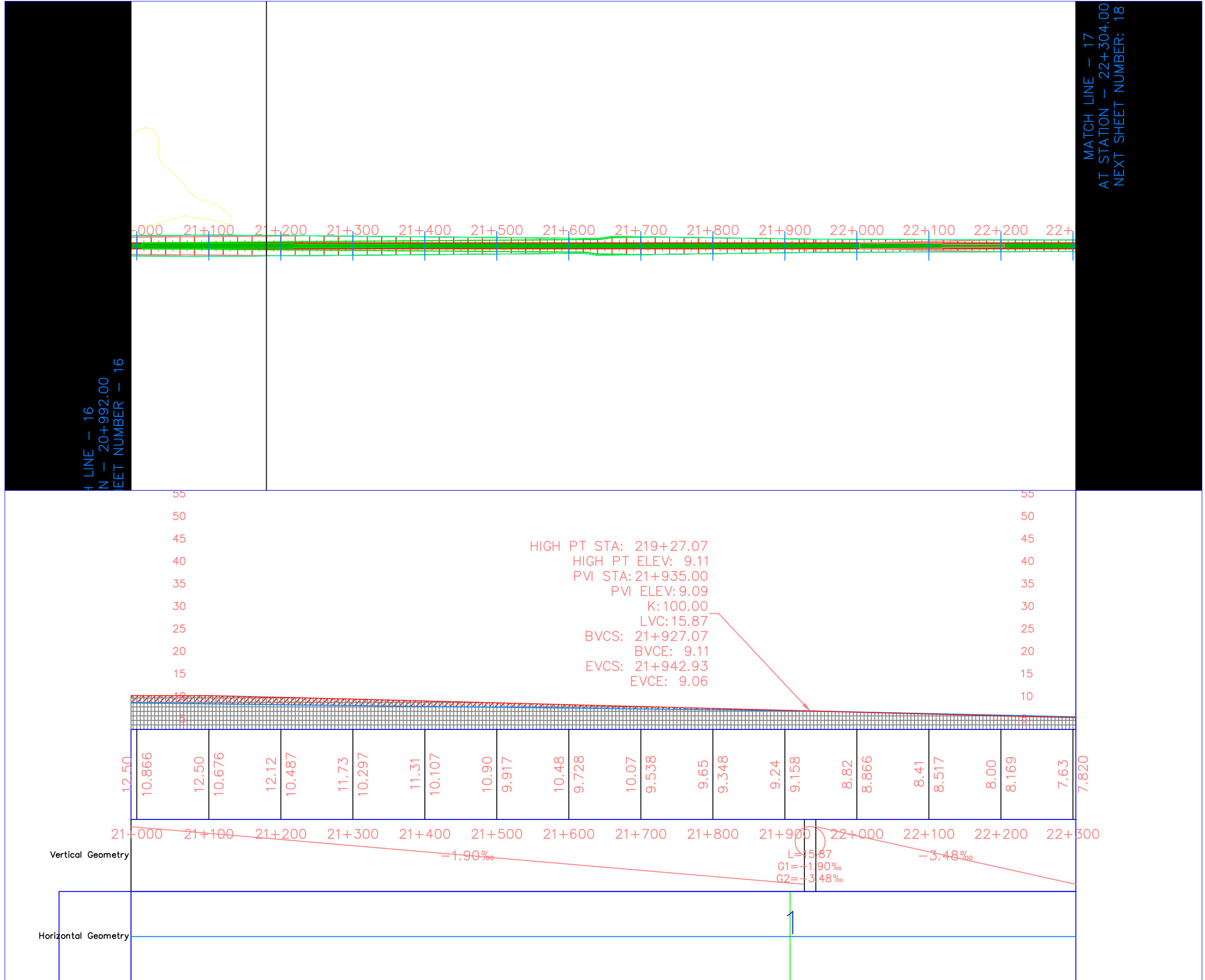
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No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project RAILWAY	Sheet 16
Date 20.05.2018	
Scale 1:5000	



MATCH LINE - 17
 AT STATION - 22+304.00
 NEXT SHEET NUMBER: 18

MATCH LINE - 16
 AT STATION - 20+992.00
 NEXT SHEET NUMBER - 16



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TITLE OF THESIS :
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 KERETA API RUTE
 YOGYAKARTA - PARANGTRITIS

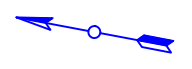
DRAWING TITLE :
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DESIGN BY :
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NOTE :



0 5000 10000

No.	Revision/Issue	Date

Firm Name and Address

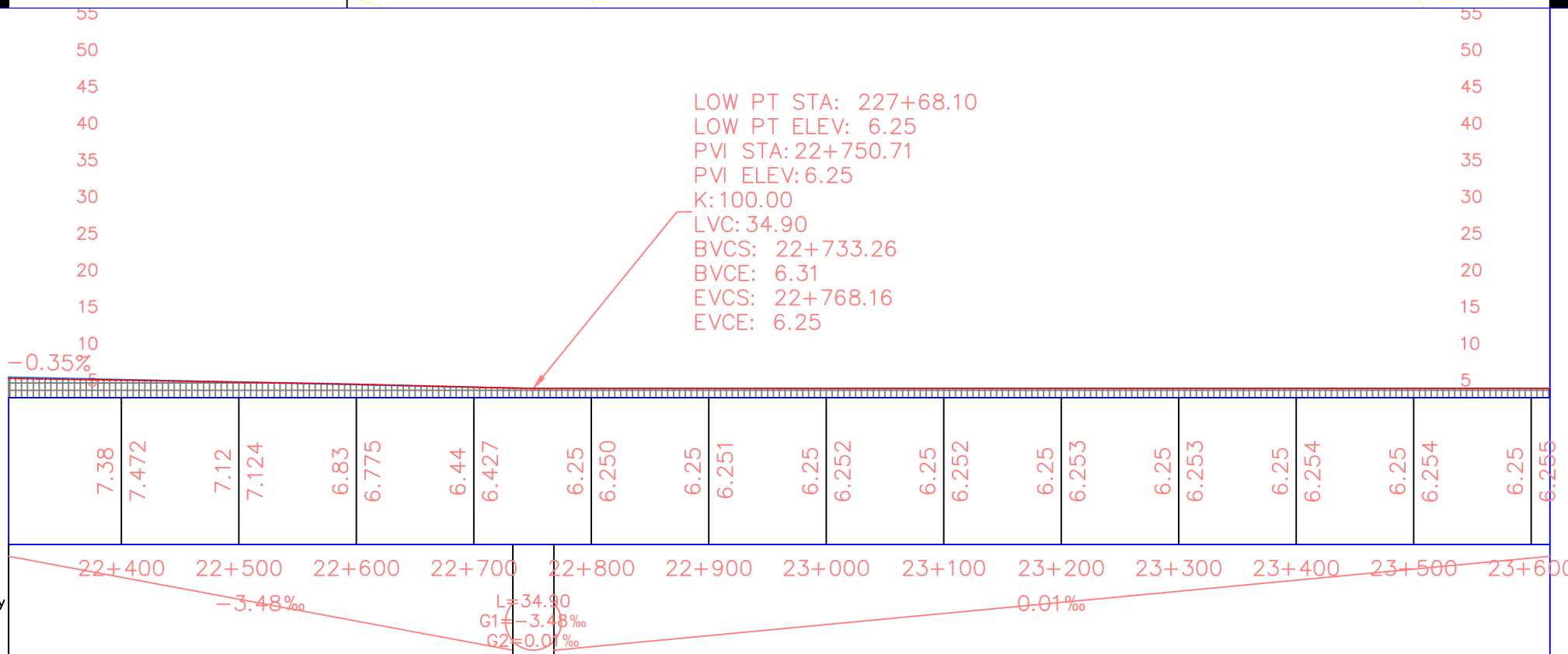
Project Name and Address

Project	RAILWAY	Sheet	17
Date	20.05.2018	Scale	1:5000

MATCH LINE - 17
 AT STATION - 22+304.00
 PREVIOUS SHEET NUMBER - 17

MATCH LINE - 18
 AT STATION - 23+616.00
 NEXT SHEET NUMBER: 19

22+300 22+400 22+500 22+600 22+700 22+800 22+900 23+000 23+100 23+200 23+300 23+400 23+500 23+600



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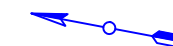
TITLE OF THESIS :
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DRAWING TITLE :
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 (13511326)

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NOTE :



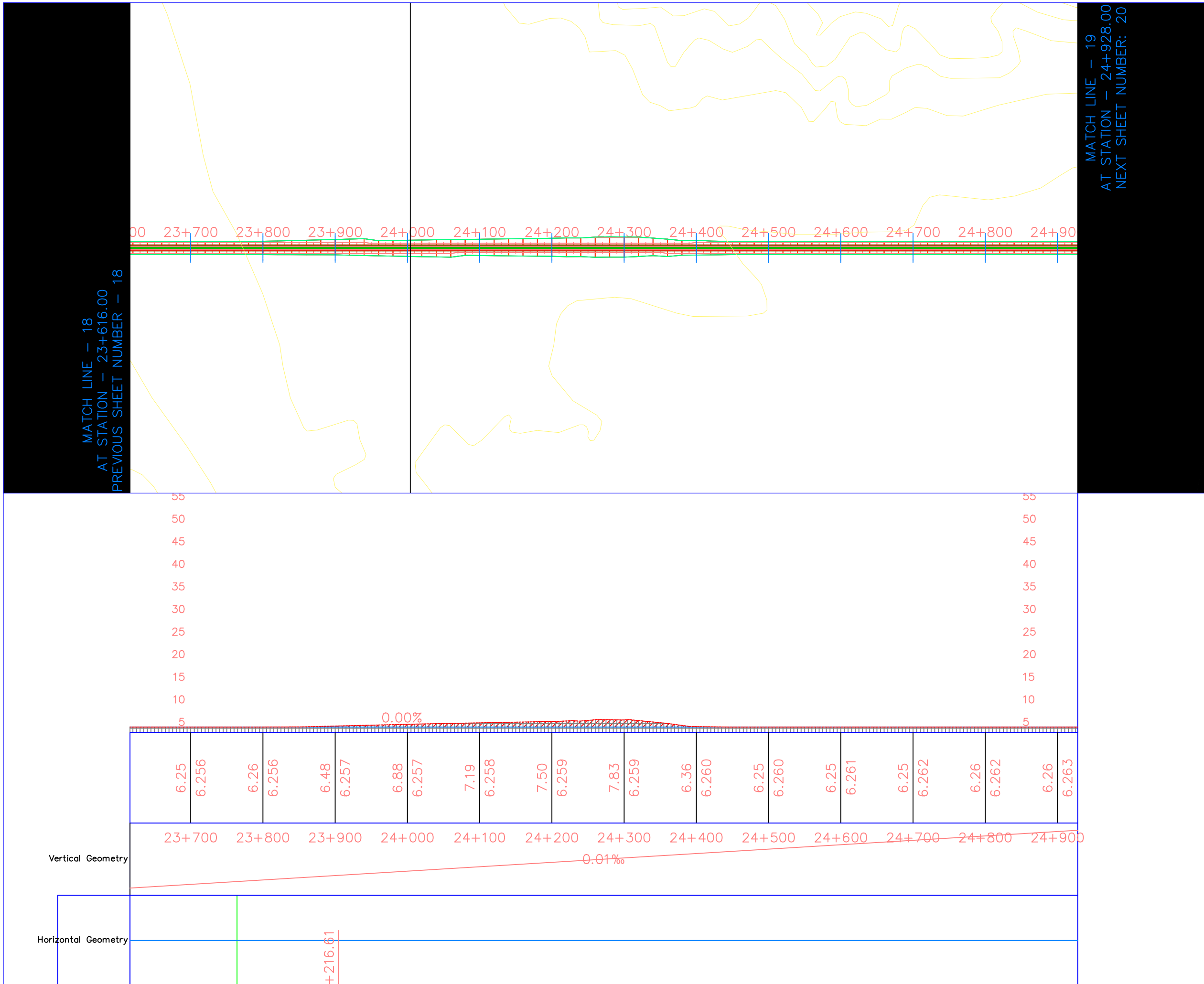
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No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	18
Date	20.05.2018	Scale	1:5000



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TITLE OF THESIS :
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YOGYAKARTA - PARANGTRITIS

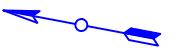
DRAWING TITLE :
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DESIGN BY :
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(13511326)

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NOTE :



0 5000 10000

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	19
Date	20.05.2018		
Scale	1:5000		



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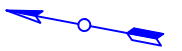
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NOTE :



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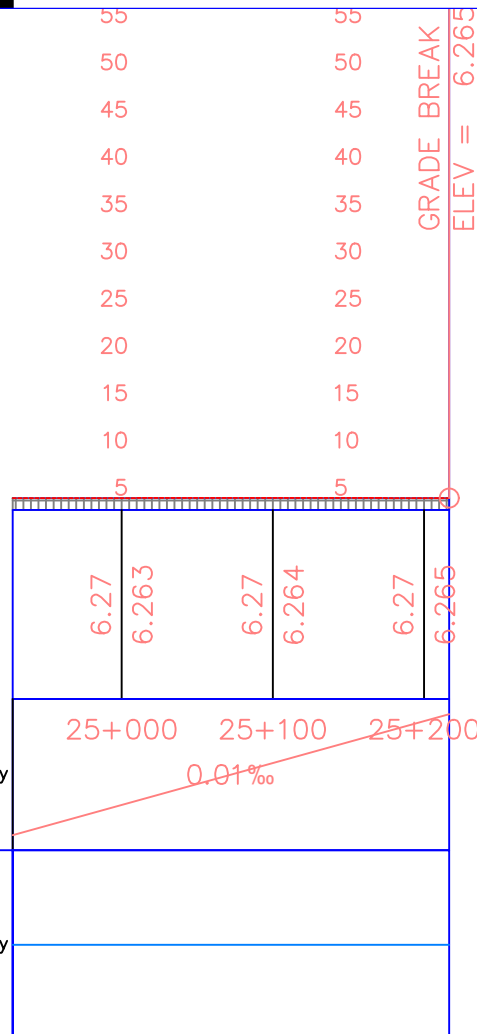
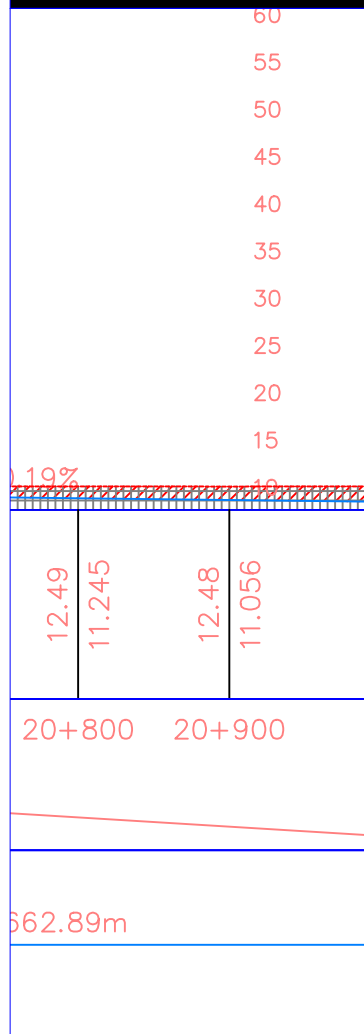
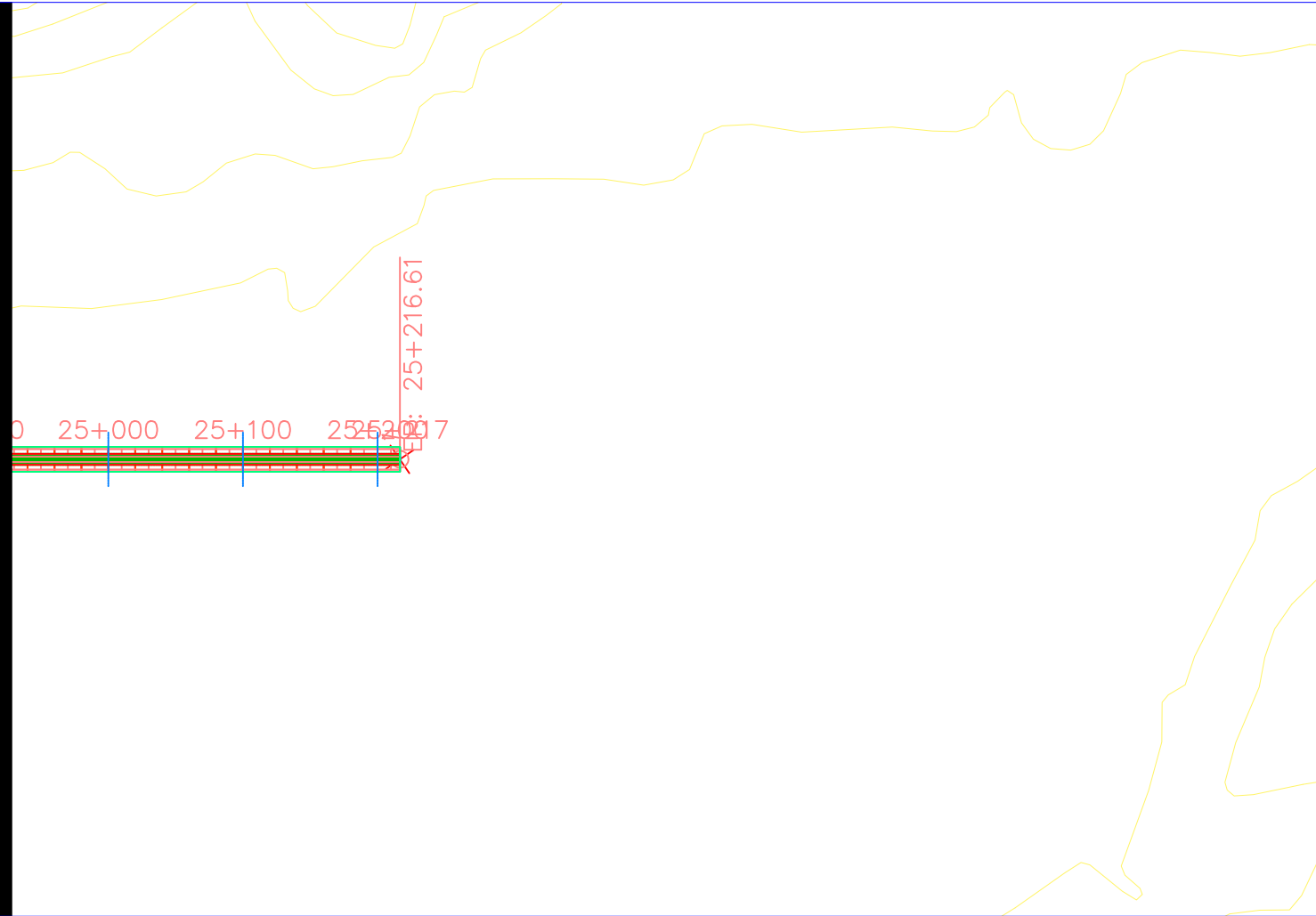
No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

Project	RAILWAY	Sheet	20
Date	20.05.2018	Scale	1:5000

MATCH LINE - 19
 AT STATION - 24+928.00
 PREVIOUS SHEET NUMBER - 19



Vertical Geometry

Horizontal Geometry

GRADE BREAK
 ELEV = 6.265

0.01%

1.19%

362.89m

12.49
 11.245
 12.48
 11.056

20+800 20+900

6.27
 6.263
 6.27
 6.264
 6.27
 6.265

25+000 25+100 25+200