

- NOTES**
- The existing ground level is derived by interpolation from a Lidar survey with spot heights at 2.0m intervals.
 - Ditch levels, where not identified by Lidar, are to be confirmed on site.
 - Pipe culverts are shown as a minimum 750mm internal diameter to enable personnel access for maintenance. Rail level is a minimum 1.0m above the crown of the pipe.
 - Embankment side slopes are shown as 1 in 3, commencing 7m below rail level.

Revision	By	Checked	Approved	Date	Description
B	JCS	-	-	10.03.14	Revised after flood risk assessment
A	JCS	-	-	03.06.13	Cow Lane bridge elevation revised

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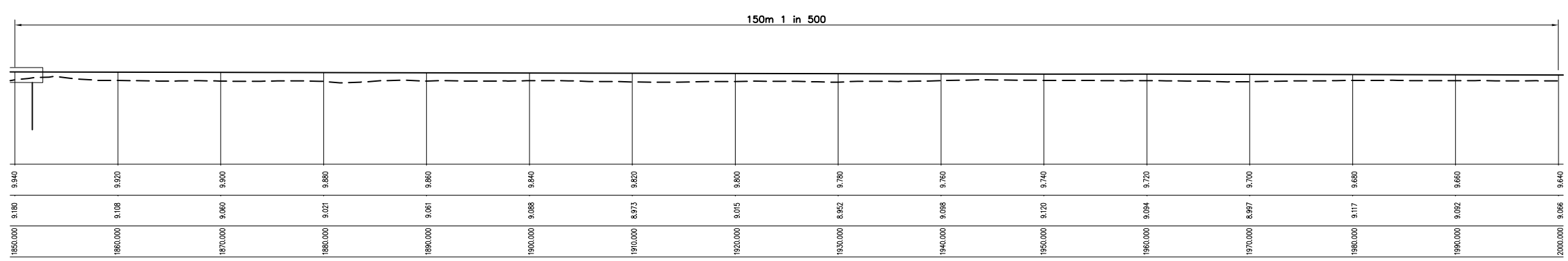
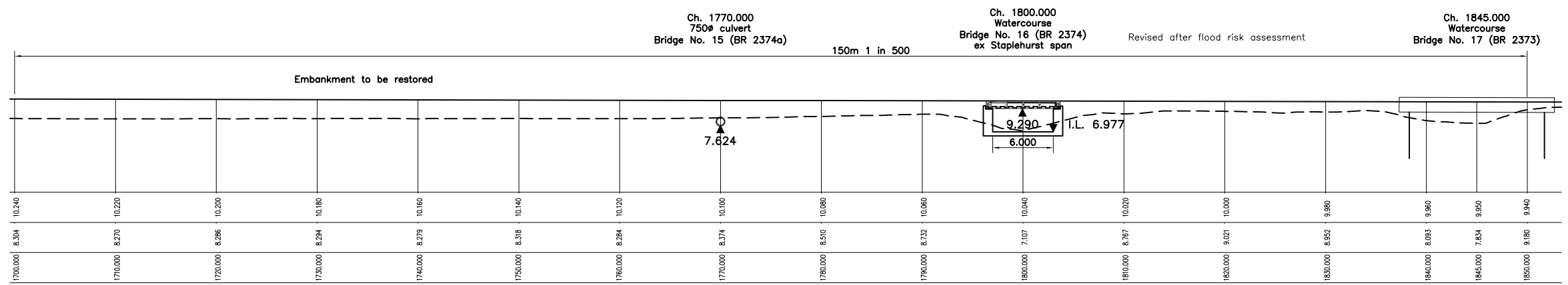
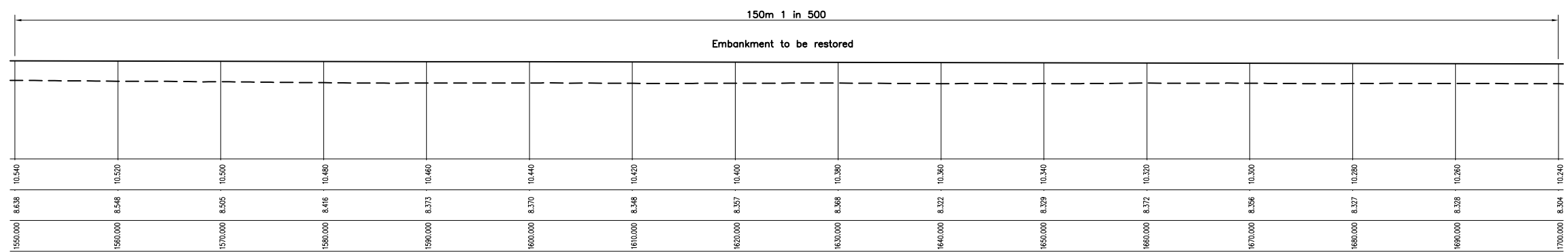
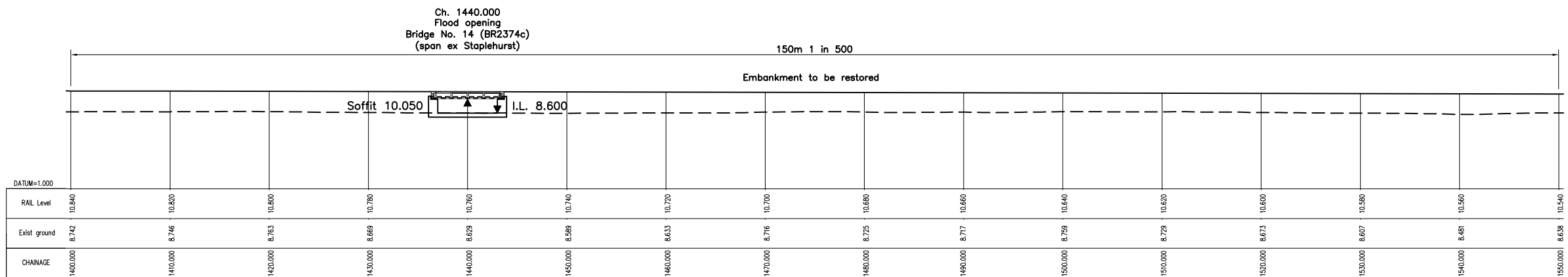
Project: **ROTHER VALLEY RAILWAY**

Drawing: **GRADIENT PROFILE CH 800-1400**

Drawn by: JCS Date: 10/03/14
 Checked by: - Date: -
 Authorised by: - Date: -

Drawing No. **RVR - G - 001** Revision **B**

Drawing Scale: 1:250 at A1
 CAD Filename: - Plot Scale: 1:1



Revision	By	Checked	Approved	Date	Description
A	JCS	-	-	10.03.14	Revised after flood risk assessment

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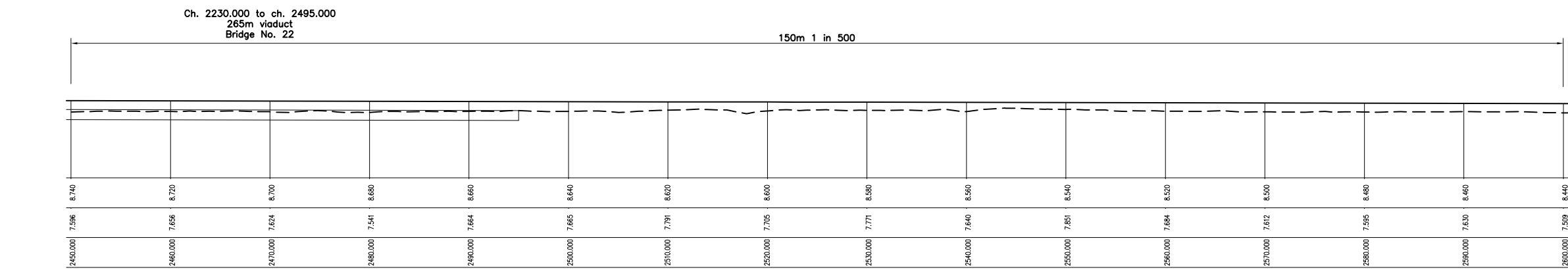
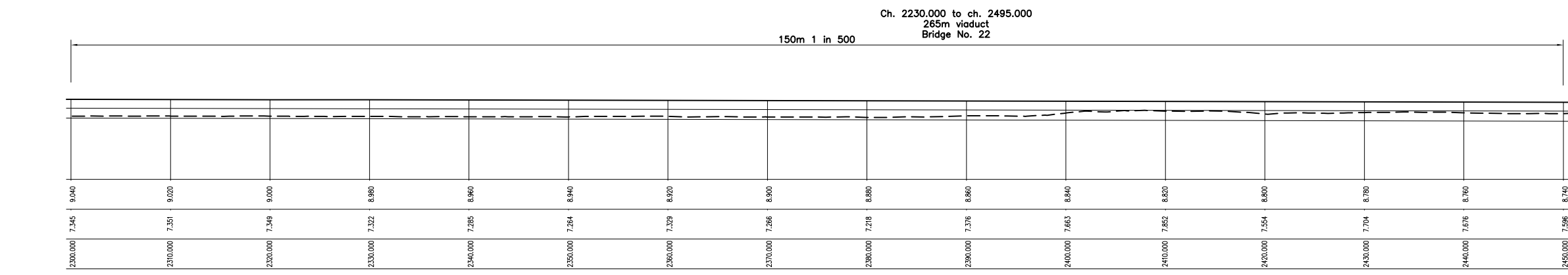
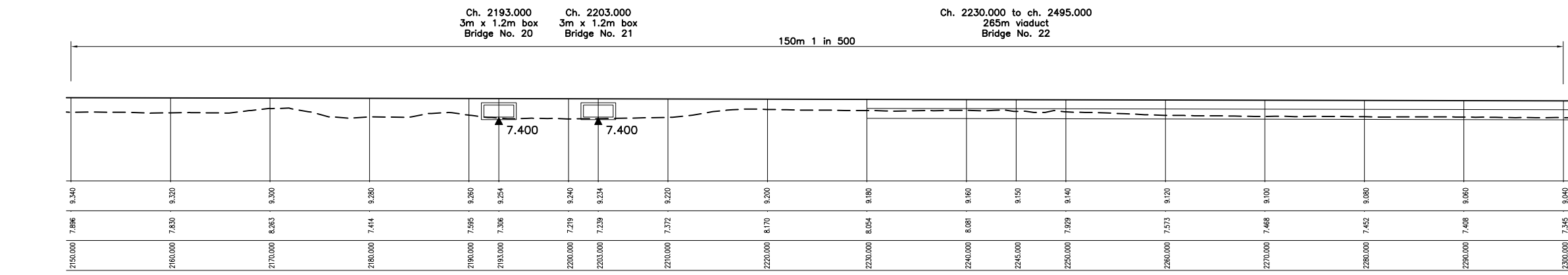
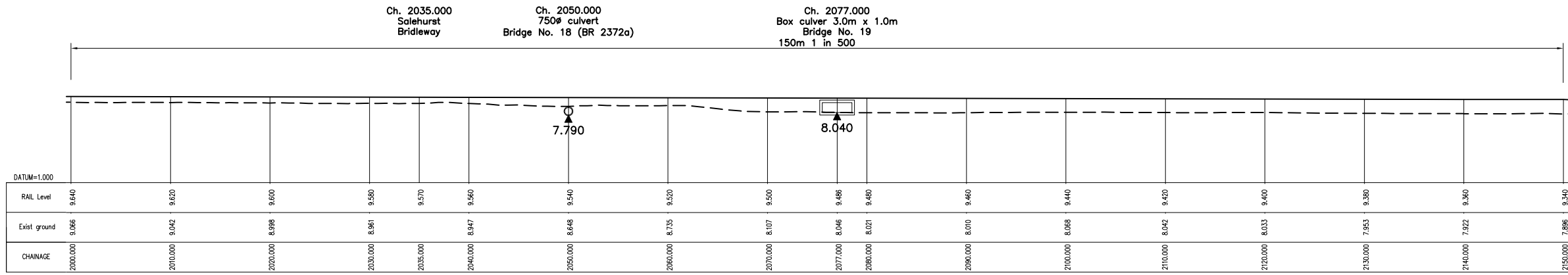
Project
ROTHER VALLEY RAILWAY

Drawing
GRADIENT PROFILE
CH 1400-2000

Drawn by JCS Date: 10/03/14
Checked by - Date: -
Authorised by - Date: -

Drawing No. **RVR - G - 002** Revision **A**

Drawing Scale: 1:250 at A1
CAD Filename: - Plot Scale: 1:1



Revision	By	Checked	Approved	Date	Description
A	JCS	-	-	10.03.14	Revised after flood risk assessment

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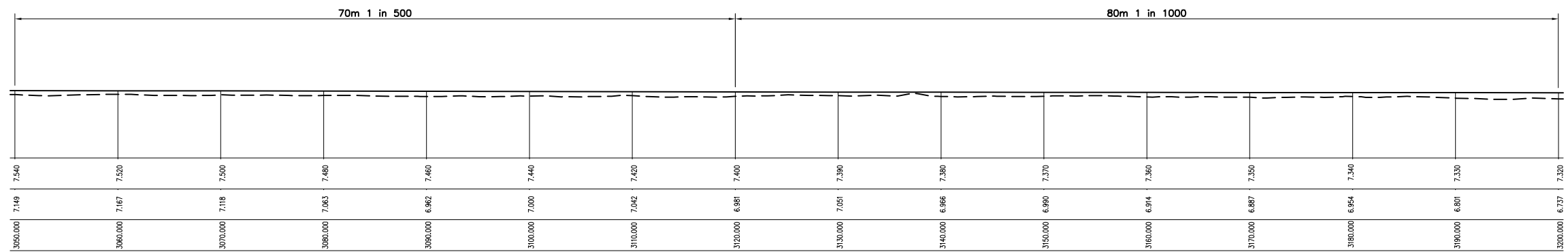
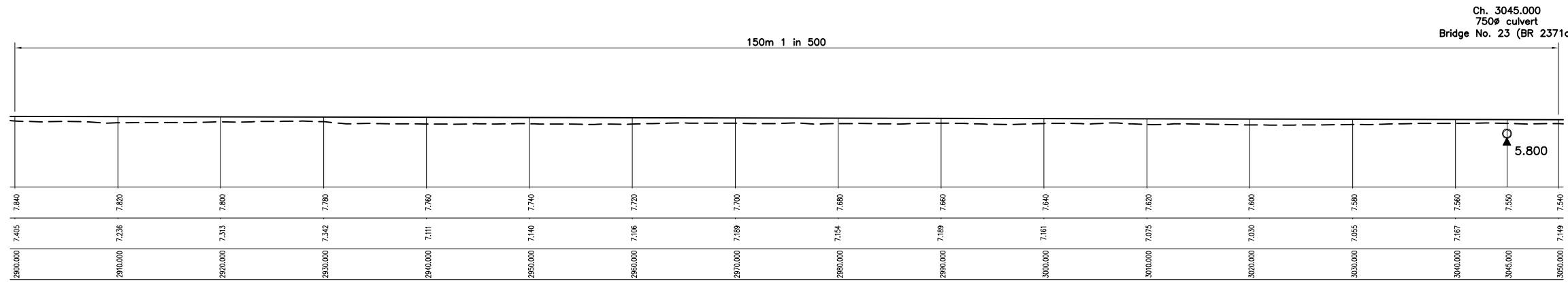
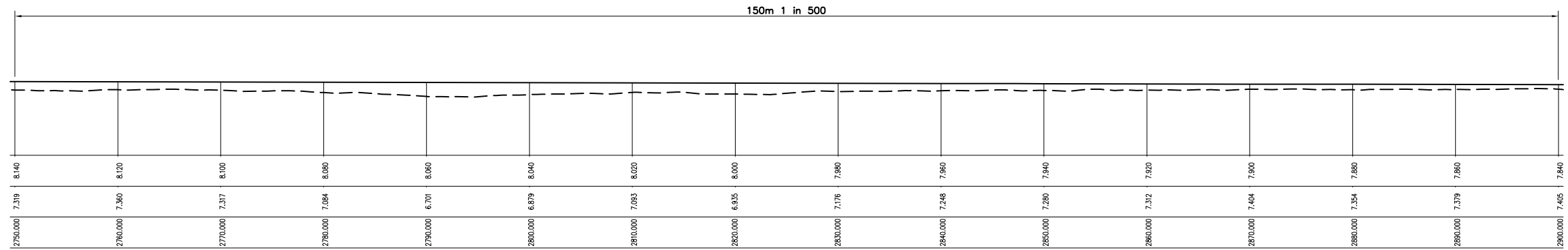
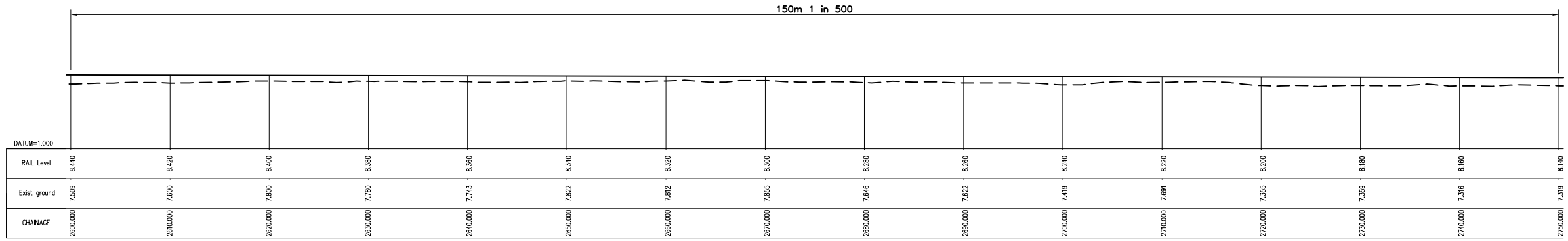
Project
ROTHER VALLEY RAILWAY

Drawing
**GRADIENT PROFILE
 CH 2000-2600**

Drawn by JCS Date: 10/03/14
 Checked by - Date: -
 Authorised by - Date: -

Drawing No. **RVR - G - 003** Revision **A**

Drawing Scale: 1:250 at A1
 CAD Filename: - Plot Scale: 1:1



Revision	By	Checked	Approved	Date	Description
A	JCS	-	-	10.03.14	Revised after flood risk assessment

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Project **ROTHER VALLEY RAILWAY**

Drawing **GRADIENT PROFILE
CH 2600-3200**

Drawn by JCS Date: 10/03/14
 Checked by - Date: -
 Authorised by - Date: -

Drawing No. **RVR - G - 004** Revision **A**

Drawing Scale: 1:250 at A1
 CAD Filename: - Plot Scale: 1:1

150m 1 in 1000

CHAINAGE	3200.000	3210.000	3220.000	3230.000	3240.000	3250.000	3260.000	3270.000	3280.000	3290.000	3300.000	3310.000	3320.000	3330.000	3340.000	3350.000
RAIL Level	7.320	7.310	7.300	7.290	7.280	7.270	7.260	7.250	7.240	7.230	7.220	7.210	7.200	7.190	7.180	7.170
Exist ground	6.737	6.637	6.578	6.594	6.660	6.717	6.538	6.460	6.439	6.462	6.387	6.299	6.280	6.333	6.418	6.375

150m 1 in 1000

CHAINAGE	3350.000	3360.000	3370.000	3380.000	3390.000	3400.000	3410.000	3420.000	3430.000	3440.000	3450.000	3460.000	3470.000	3480.000	3490.000	3500.000
RAIL Level	7.170	7.160	7.150	7.140	7.130	7.120	7.110	7.100	7.090	7.080	7.070	7.060	7.050	7.040	7.030	7.020
Exist ground	6.375	6.402	6.337	6.184	6.270	6.442	6.316	6.313	6.225	6.197	6.331	6.202	6.101	6.232	6.005	6.020

Ch. 3585.000
Watercourse
Bridge No. 24 (BR 2371)

105.5m 1 in 1000

9m hog curve
R=1000

26.5m 1 in 100

10m sag curve
R=1000

CHAINAGE	3500.000	3510.000	3520.000	3530.000	3540.000	3550.000	3560.000	3570.000	3580.000	3585.000	3590.000	3600.000	3605.000	3610.000	3614.500	3620.000	3630.000	3640.000	3641.000	3650.000
RAIL Level	7.020	7.010	7.000	6.990	6.980	6.970	6.960	6.950	6.940	6.935	6.930	6.920	6.914	6.900	6.885	6.870	6.860	6.850	6.840	6.830
Exist ground	6.020	5.880	5.978	5.989	6.187	6.084	5.988	6.309	5.239	6.215	5.899	6.247	5.970	5.988	5.457	5.478	6.600	5.478	6.600	5.463

Ch. 3675.000
3.0m x 1.0m box
Bridge No. 25

74m Level

Ch. 3717.000
Austens Bridge
Bridge No. 26 (BR 2370)

10m hog curve
R=1000

65m 1 in 100

Requires condition survey

CHAINAGE	3650.000	3660.000	3670.000	3675.000	3680.000	3690.000	3700.000	3710.000	3717.000	3720.000	3725.000	3730.000	3735.000	3740.000	3743.365	3750.000	3760.000	3770.000	3780.000	3790.000	3800.000
RAIL Level	6.551	6.550	6.550	6.550	6.550	6.550	6.550	6.550	6.550	6.550	6.550	6.538	6.500	6.450	6.416	6.350	6.250	6.150	6.050	5.950	5.850
Exist ground	5.463	5.507	5.806	5.763	5.736	5.679	5.846	4.729	6.007	2.452	6.550	5.088	4.689	4.857	5.231	5.205	5.165	5.165	5.165	5.067	5.067

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A	JCS	-	-	10.03.14	Revised after flood risk assessment

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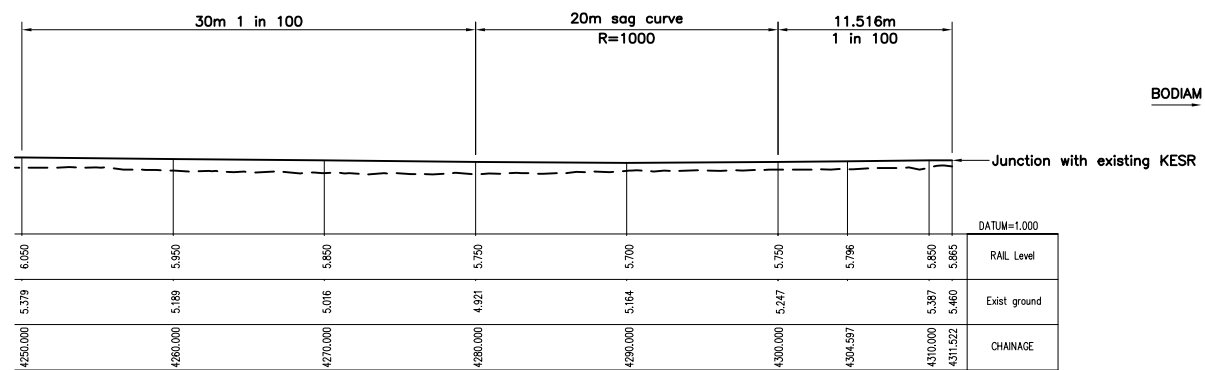
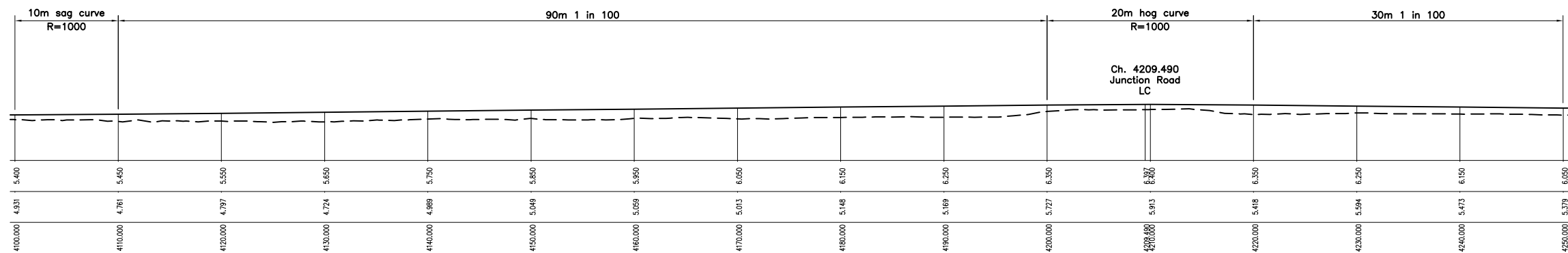
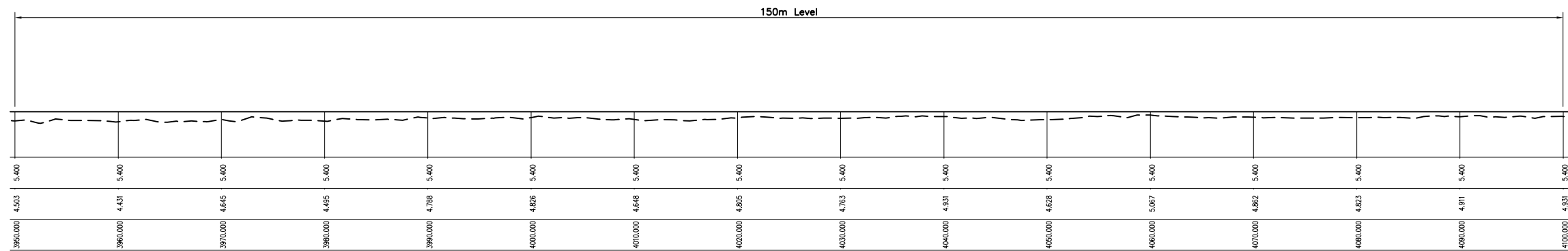
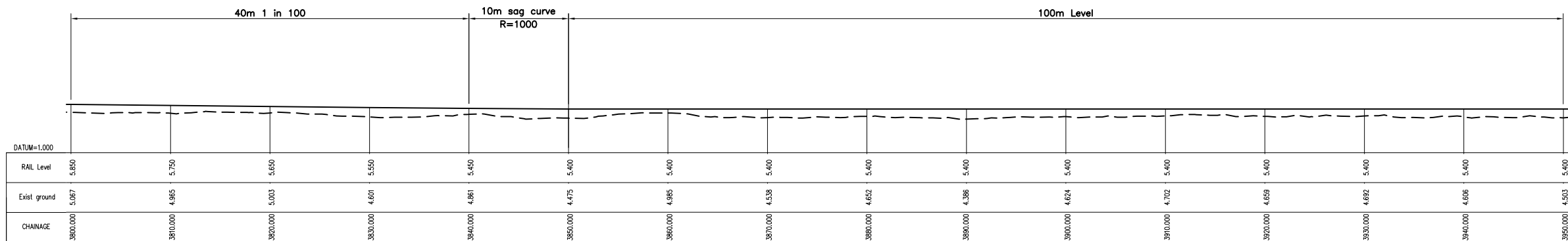
Project
ROTHER VALLEY RAILWAY

Drawing
**GRADIENT PROFILE
CH 3200-3800**

Drawn by JCS Date: 10/03/14
Checked by - Date: -
Authorised by - Date: -

Drawing No. **RVR - G - 005** Revision **A**

Drawing Scale: 1:250 at A1
CAD Filename: - Plot Scale: 1:1



Revision	By	Checked	Approved	Date	Description
A	JCS	-	-	10.03.14	Revised after flood risk assessment

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Project **ROTHER VALLEY RAILWAY**

Drawing **GRADIENT PROFILE
CH 3800-4400**

Drawn by JCS Date: 10/03/14
 Checked by - Date: -
 Authorised by - Date: -

Drawing No. **RVR - G - 006** Revision **A**

Drawing Scale: 1:250 at A1
 CAD Filename: - Plot Scale: 1:1