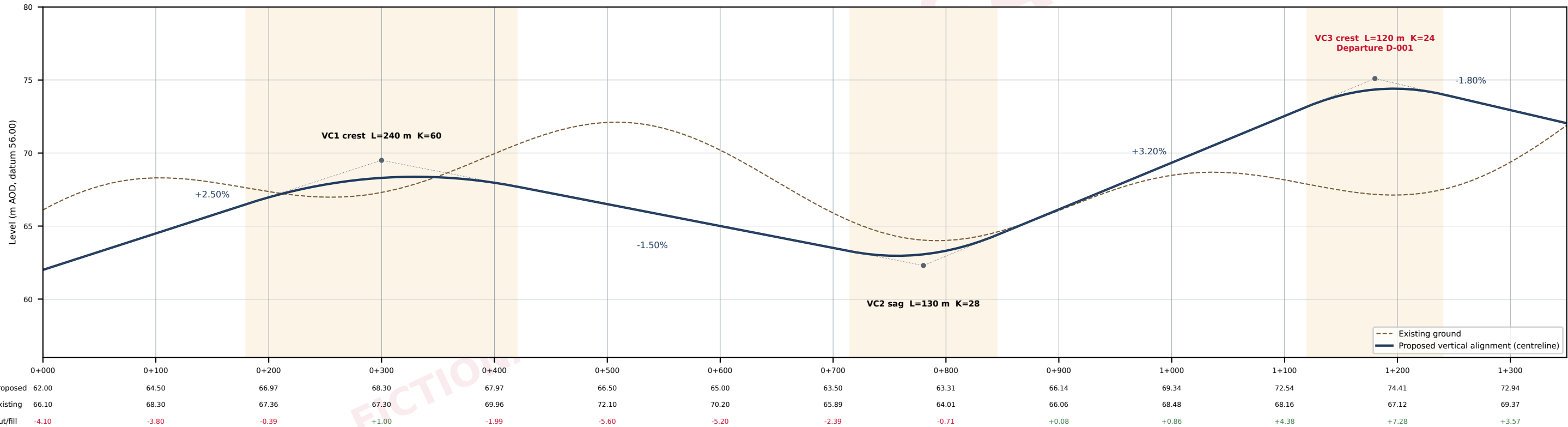
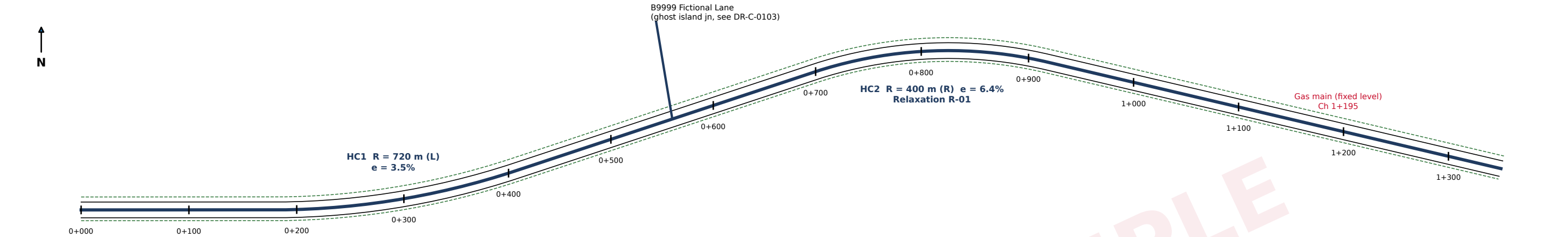


A999 MAINLINE - PLAN AND PROFILE (DMRB CD 109)



CURVE DATA						
Curve	Type	Start Ch	End Ch	R / L (m)	K / e	Remark
HC1	Horiz.	0+180	0+410	R 720	e 3.5%	Compliant
HC2	Horiz.	0+700	0+920	R 400	e 6.4%	Relaxation R-01
VC1	Crest	0+180	0+420	L 240	K 60	Compliant
VC2	Sag	0+715	0+845	L 130	K 28	Compliant
VC3	Crest	1+120	1+240	L 120	K 24	Departure D-001

GRADE TABLE			
Grade	From	To	Gradient
G1	0+000	0+300	+2.50%
G2	0+300	0+780	-1.50%
G3	0+780	1+180	+3.20%
G4	1+180	1+350	-1.80%

- NOTES
1. Design speed 100 kph (Band 100A), single carriageway S2, CD 109/CD 127.

2. Chainages in metres along A999 CL.

3. K = curve length per 1% algebraic change in gradient.

4. SSD 160 m desirable; 106 m at VC3 subject to Departure D-001.

5. Levels to fictional local datum.

6. Read with RP-C-0001 & DR-C-0102.

7. Not for construction.

Revision

P01 2026-10-13 First issue - illustrative sample

RoadRail Designroadraildesign.com

ProjectA999 Example Junction Improvement, Fictional Town

TitleA999 Mainline - Plan & Profile Ch 0+000 to 1+350

ClientNone - illustrative capability sample

StatusS0 - Work in progress (sample)

Document no.

RRD-SMP-XX-XX-DR-C-0101

Rev

P01

Scale

1:2500 H / 1:250 V

Date

2026-10-13