PLAN
SCALE 1:200

INVERNESS

NORTH ABUTMENT

U9 BEAMS 1300mm DEEP

SOUTH ABUTMENT

INDEPENDENT WINGWALL

CENTRAL RESERVE VARIES

50mm GAP

26500

2500 VERGE | SLIP ROAD VARIES | 7300 CARRIAGEWAY | 7300 CARRIAGEWAY | SLIP ROAD VARIES | 2500 VERGE
1000 HS | 1000 HS | 1000 HS | 1000 HS

PERTH

LOCATION PLAN
SCALE 1:1000

GRANISH JUNCTION STRUCTURE

INVERNESS

PERTH

300 / 200 / 8800 / 8750 / 8700 / 8650

Granish

ELEVATION (A)
SCALE 1:100

NORTH ABUTMENT   SOUTH ABUTMENT

SAFETY BARRIER   SAFETY BARRIER

3000 | 26500 | 3000

1000mm HIGH, NORMAL CONTAINMENT VEHICLE RESTRAINT SYSTEM

U4 / F5 / F1

U9 BEAMS 1300mm DEEP

3240 / 3270

6070 MIN. HEADROOM

14300

2500 VERGE | 1000 HS | 7300 CARRIAGEWAY | 1000 HS | 2500 VERGE

STRUCTURAL FILL SHALL BE CLASS 6N/6P

INDEPENDENT WINGWALL

1200 (TYP.)

1400 (TYP.) / 1400 (TYP.) / 1000 / U1

SPREAD FOOTING (INDICATIVE)

NO UNDERGROUND SERVICES (TBC)

NO UNDERGROUND SERVICES (TBC)

BACK OF WALL DRAINAGE

100mm THK. BLINDING CONCRETE

INDEPENDENT WINGWALL

SECTION (B)
SCALE 1:100

35320

600 | VERGE (VARIES) | 1000 HS | 3650 SLIP ROAD | 7300 CARRIAGEWAY | 1000 HS | 2500 CENTRAL RESERVE | 1000 HS | 7300 CARRIAGEWAY | 3650 SLIP ROAD | 1000 HS | VERGE (VARIES) | 600

1000mm HIGH, NORMAL CONTAINMENT VEHICLE RESTRAINT SYSTEM

120mm THK. SURFACING

MIN. 250mm DEEP CAST-IN-SITU CONCRETE DECK SLAB ON 50mm THK GRP PERMANENT FORMWORK

1000mm HIGH, NORMAL CONTAINMENT VEHICLE RESTRAINT SYSTEM

2.5% / 2.5%

F3 / U4 / F5 / CJ

2 Nos SPARE DUCT (INDICATIVE)

2000 / 2000

2660 | 16 Nos U9 BEAMS (1300mm DEEP) @ 2000mm C/C | 2660

11775 / 11775

ROAD LEVEL 237.117

GROUND LEVEL 237.205

1000

100mm THK. BLINDING CONCRETE

U1

NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. ALL DESIGN WORKS ARE IN ACCORDANCE WITH THE DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB).
3. THE JUNCTION HAS BEEN DESIGNED TO THE REQUIREMENTS OF TD40/94 - LAYOUT OF COMPACT GRADE SEPARATED JUNCTIONS.
4. EARTHWORKS HAVE BEEN DESIGNED TO TAKE DUE CONSIDERATION OF LANDSCAPE "FIT" WHERE OTHER CONSTRAINTS DO NOT PRESENT LIMITATION.
5. CARRIAGEWAYS AND VERGES HAVE BEEN WIDENED AS NECESSARY TO PROVIDE FORWARD VISIBILITY AND TURNING MOVEMENTS.

FINISHED ROAD LEVEL

EXISTING GROUND LEVEL

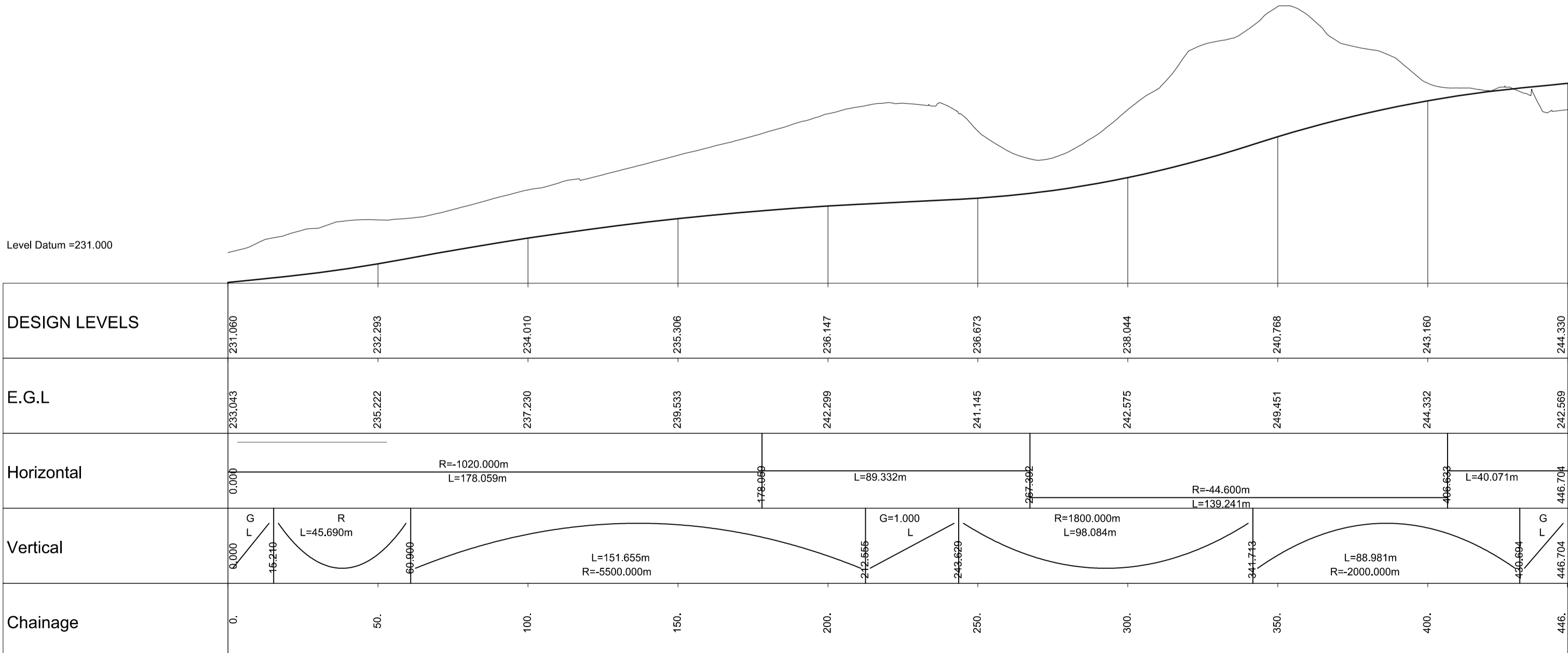A9 TO INVERNESS

A9 TO PERTH

AVIEMORE

DALRADDY

Plan
Scale - 1:1250

A95

NORTHBOUND LOOP / CONNECTOR ROAD

Level Datum =231.000

DESIGN LEVELS										
E.G.L										
Horizontal										
Vertical										
Chainage										

Horizontal Scale - 1:1250, Vertical Scale - 1:250

SOUTHBOUND CONNECTOR ROAD

Level Datum =234.000

P01	MG	IM	GK	25/07/18
FIRST ISSUE

| Rev | Drawn / Des | Checked | Approved | Date |

Description

Drawing Status | Suitability

FINAL | B

Client

TRANSPORT SCOTLAND
CÒMHDHAIL ALBA

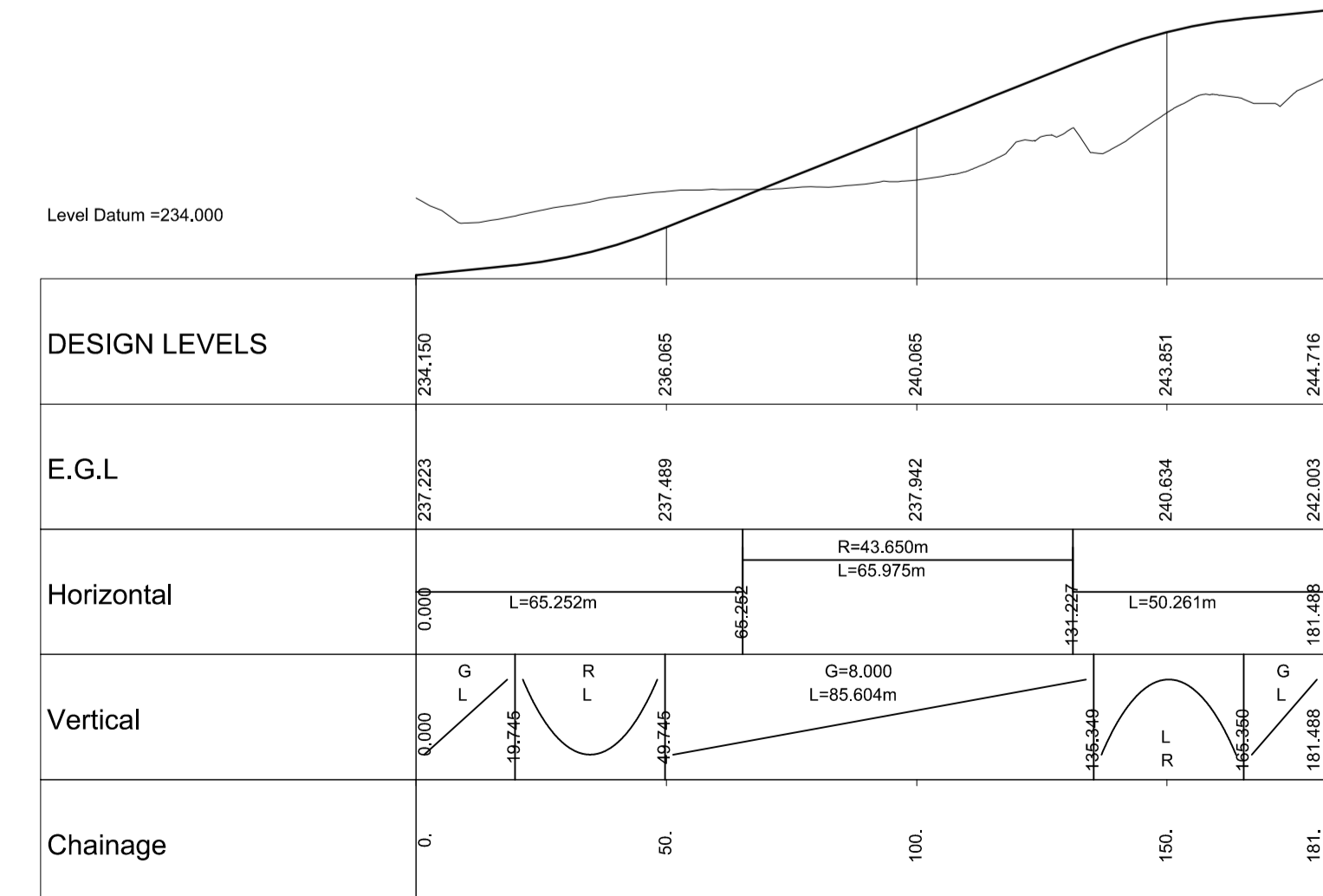A9 DUALLING
PERTH TO INVERNESS
Dalraddy to Slochd

ATKINS mouchel

Drawing Title
Figure 5.5
Granish Grade Separated Junction
Sheet 2 of 2

Scale	Designed / Drawn	Checked	Approved	Authorised
1:2500	MG	IM	GK	RG
Original Size	Date	Date	Date	Date
A1	25/07/18	25/07/18	25/07/18	25/07/18

Drawing Number | Revision
A9P11-AMJ-EGN-H_ZZZZZ_XX-DR-GI-0091 | P04

Plotted: Jul 25, 2018 - 4:52pm by: MAIR4944