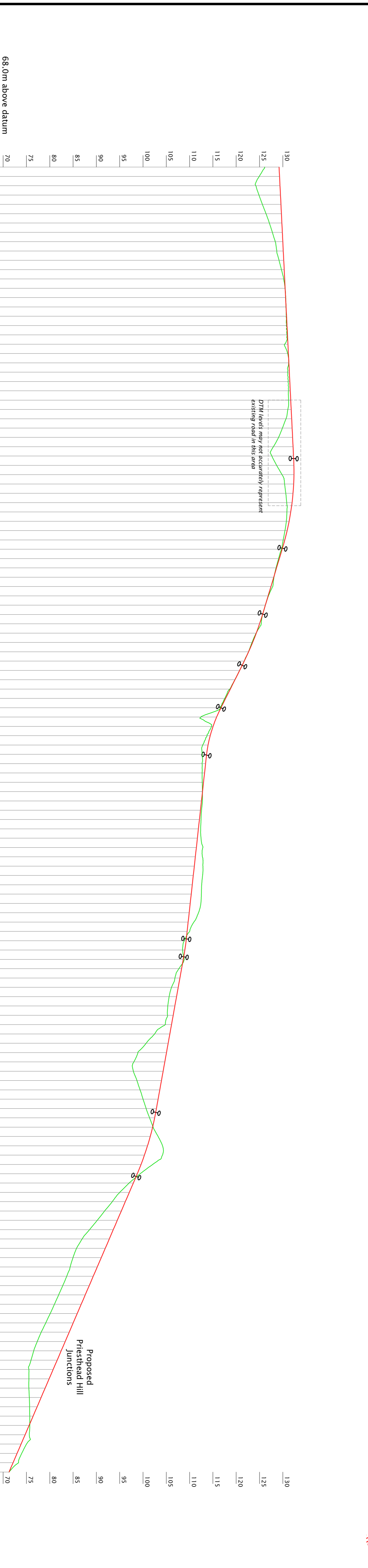
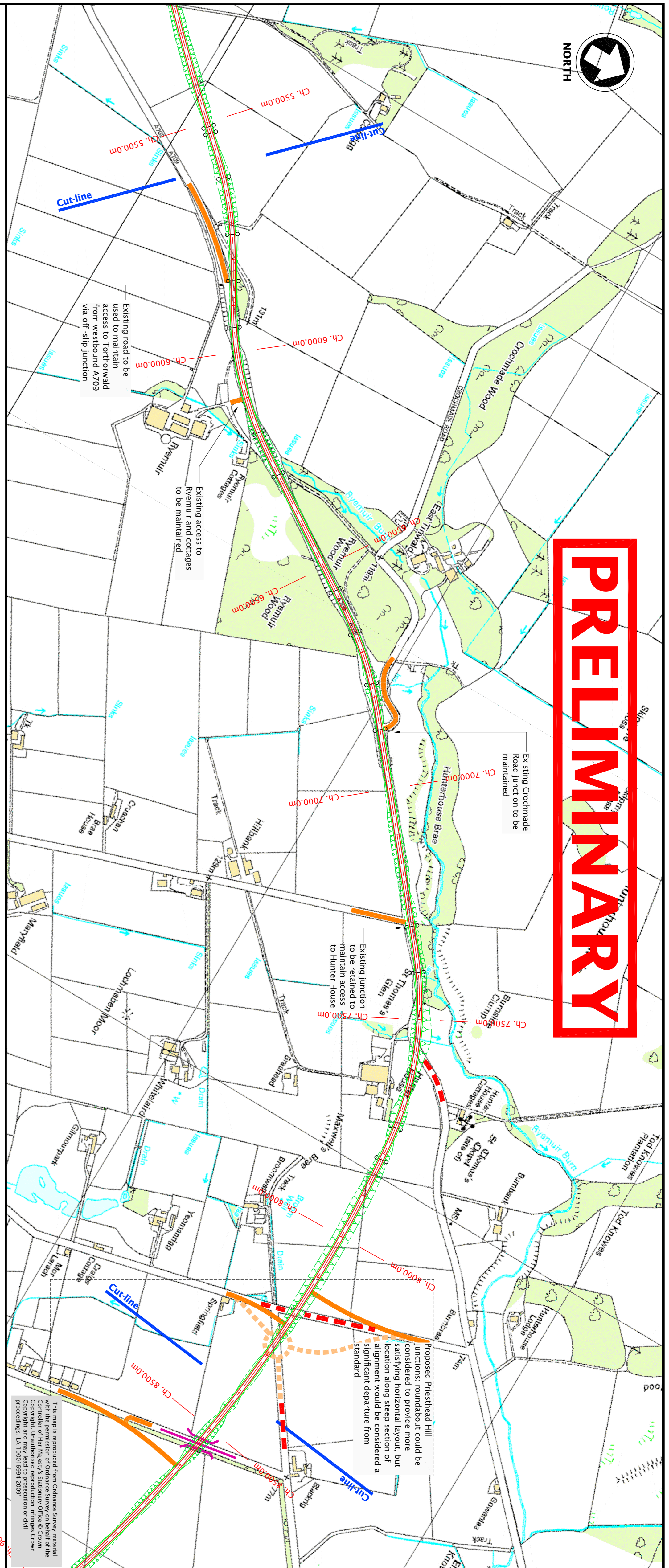
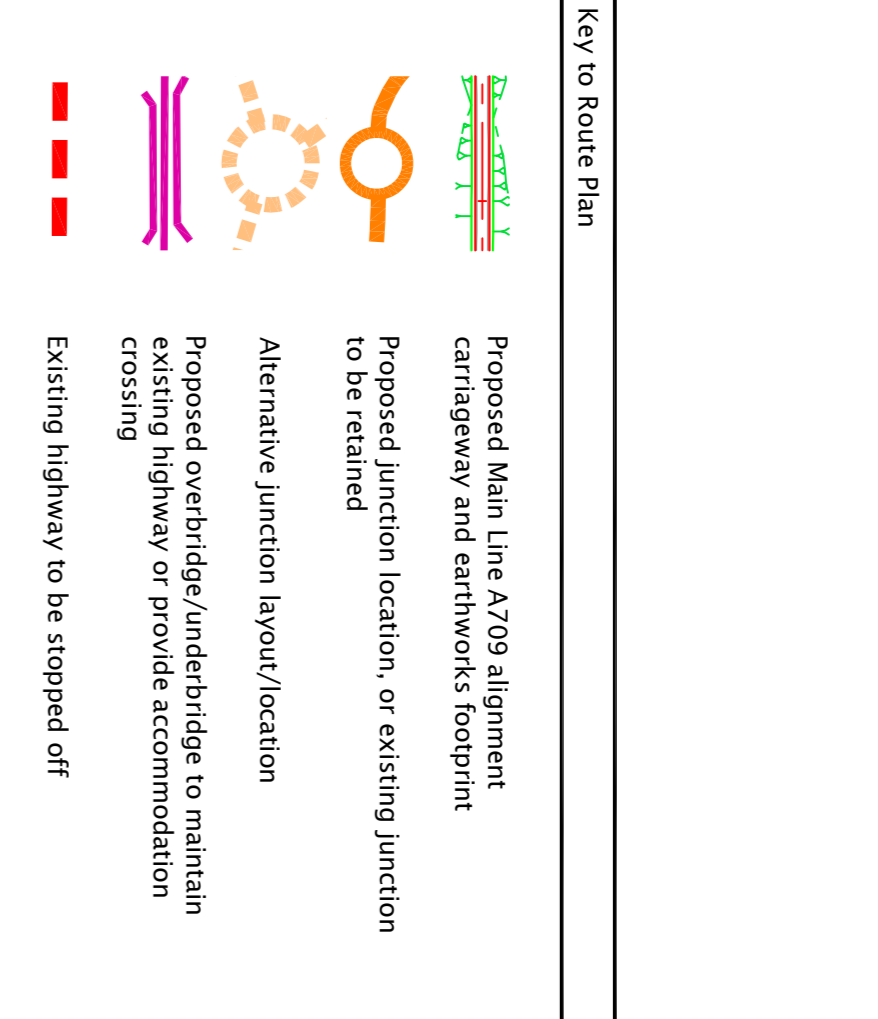


PRELIMINARY



Chainage	Existing level (at centre-line)	Proposed level (centre-line)	Level difference	Horizontal geometry schematic	Vertical geometry schematic	Overlapping provision
70	100.00	100.00	0.00			
75	100.00	100.00	0.00			
80	100.00	100.00	0.00			
85	100.00	100.00	0.00			
90	100.00	100.00	0.00			
95	100.00	100.00	0.00			
100	100.00	100.00	0.00			
105	100.00	100.00	0.00			
110	100.00	100.00	0.00			
115	100.00	100.00	0.00			
120	100.00	100.00	0.00			
125	100.00	100.00	0.00			
130	100.00	100.00	0.00			

- Notes
- Horizontal alignment based on Ordnance Survey Masterplan data supplied by Dumfries and Galloway Council - licence as shown on plan.
 - Vertical alignment and earthworks footprint based on NextMap Digital Terrain Model supplied by Dumfries and Galloway Council.



Key to Longitudinal Section and Schematics

- Section profiles
- Proposed vertical alignment profile with tangent points and ordinates at 20m intervals
 - Existing ground level profile along proposed centre-line
- Compliance of alignment geometry elements with DMRB standards (listed in order of ascending severity)
- Minimum to provide overtaking in both directions**
 - Sufficient to provide overtaking in one direction only**
 - Above Desirable Minimum but not sufficient to provide overtaking
 - Desirable Minimum (or Desirable Maximum gradient)
 - 1 Step below Desirable Minimum***
- ** Design Manual for Roads and Bridges, Volume 6, Section 1, Part 1: TD 9/93 Highway Link Design
 *** Recommended for vertical crest curves in Non-overtaking sections - see DMRB, TD 9/93 Para. 7.30

- Overlapping provision schematic
- Extent of Overtaking Section
 - Extent of Non-overtaking Section with reason(s) for restriction
- NB Overtaking schematic is generally divided into Eastbound and Westbound directions as indicated by the arrowheads

Rev	Date	Drawn	Description	CHK'd	App'd
P1	02/03/2009		Preliminary Issue		

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Title: **Dumfries to A74(M) Link STAG2 A709 Single Carriageway Off-line Option**

Alignment Route Plan and Longitudinal Section
 Chainage 5600m to 8400m (Sheet 3 of 6)

Designed	C Broughton	Eng.Chk.	S Rotherham
Drawn	C Broughton	Coordination	M A Staniland
DWG.Chk.	C Broughton	Approved	M A Staniland

Scale at A1
 1:5000 Hor./1:500 Ver.

Drawing No **254583 / SHF / 1103**

Status **PRE**

Rev **P1**

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