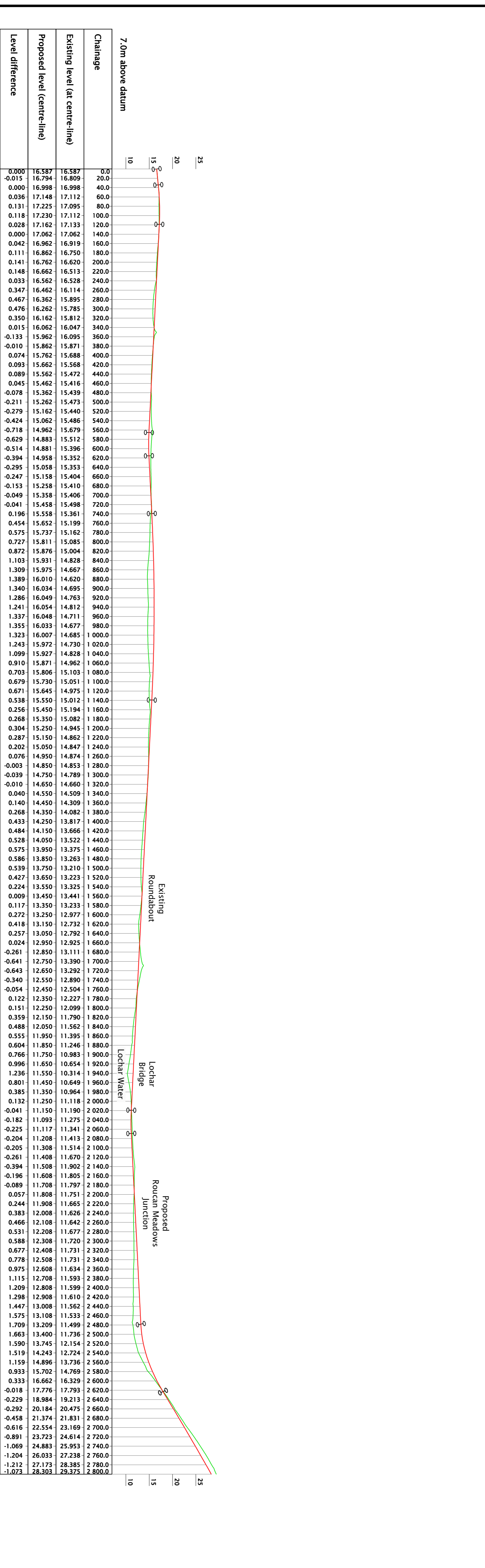
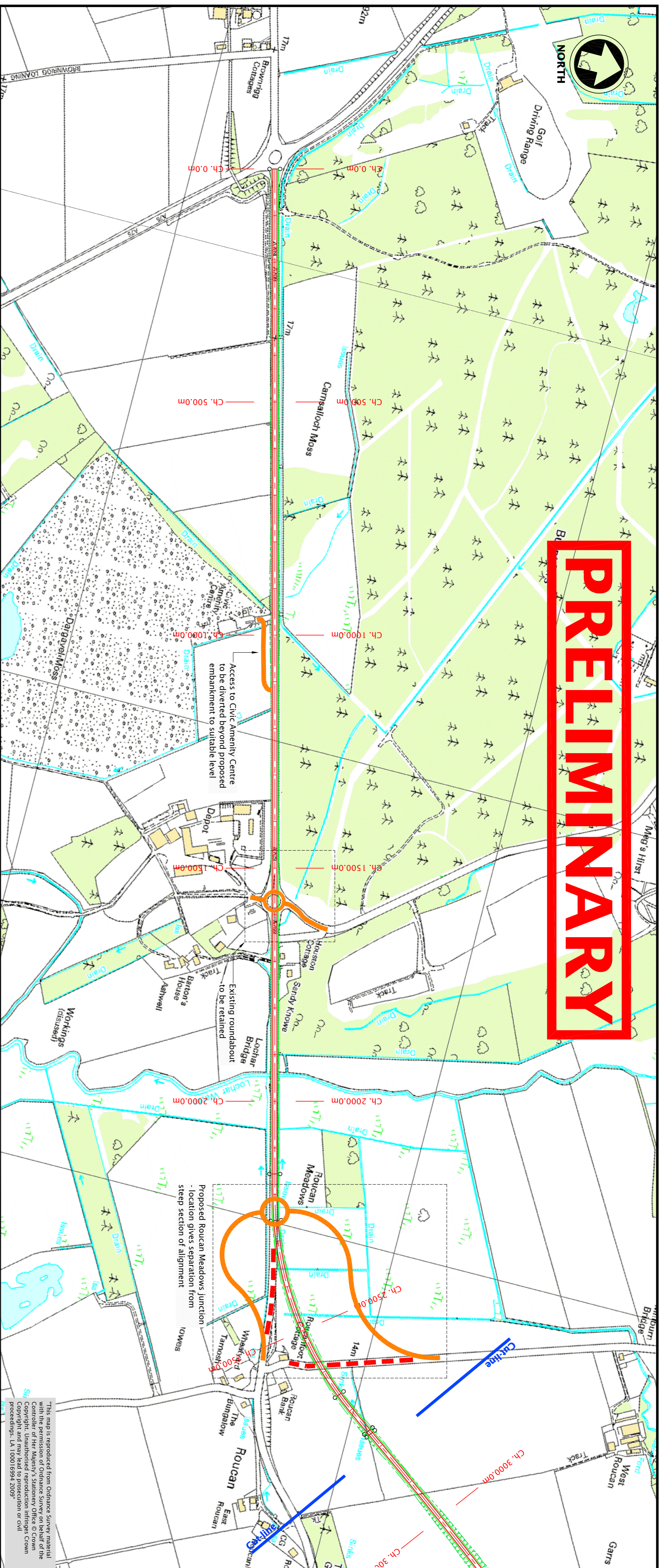


PRELIMINARY



Horizontal geometry schematic	Vertical geometry schematic	Overlapping provision
<p>1-24.1m Curve L=241.0m R=1000.0m Gradient 1:4.4%</p>	<p>1-24.1m Curve L=241.0m R=1000.0m Gradient 1:4.4%</p>	<p>No overlapping Junction Approach</p>
<p>1-13.3m Curve L=133.0m R=500.0m Gradient 1:4.4%</p>	<p>1-13.3m Curve L=133.0m R=500.0m Gradient 1:4.4%</p>	<p>No overlapping Junction Approach</p>
<p>1-14.7m Curve L=147.0m R=500.0m Gradient 1:4.4%</p>	<p>1-14.7m Curve L=147.0m R=500.0m Gradient 1:4.4%</p>	<p>No overlapping westbound junction approach</p>
<p>1-14.7m Curve L=147.0m R=500.0m Gradient 1:4.4%</p>	<p>1-14.7m Curve L=147.0m R=500.0m Gradient 1:4.4%</p>	<p>No overlapping westbound junction approach</p>

- Notes**
- Horizontal alignment based on Ordnance Survey MasterMap 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 Route Plan

- Proposed Main Line A709 alignment carriageway and earthworks footprint
- Proposed junction location, or existing junction to be retained
- Proposed overbridge/underbridge to maintain existing highway or provide accommodation crossing
- Existing highway to be stopped off

Key to Longitudinal Section and Schematics

- 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:
 - Desirable Minimum (or Desirable Maximum gradient)
 - 1 Step below Desirable Minimum**
 - Minimum to provide overtaking in both directions
 - Minimum to provide overtaking in one direction (direction indicated on overlying schematic)
 - ** recommended for vertical crest curves in non-overtaking sections - see DMRB, TD 9/93 para. 7.30

Section profiles

- Proposed vertical alignment profile with tangent points and ordinates at 20m intervals
- Existing ground level profile along proposed centre-line

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

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

Alignment Route Plan and Longitudinal Section
 Chainage 0 to 2800m (Sheet 1 of 6)

Designed	C Broughton	Eng. Chk.	S Rotherham
Drawn	C Broughton	Coordination	M A Saniland
Dwg. Chk.	C Sridharanathan	Approved	M A Saniland

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

Drawing No **254583 / SHF / 1101**

Status **PRE**

Rev **P1**