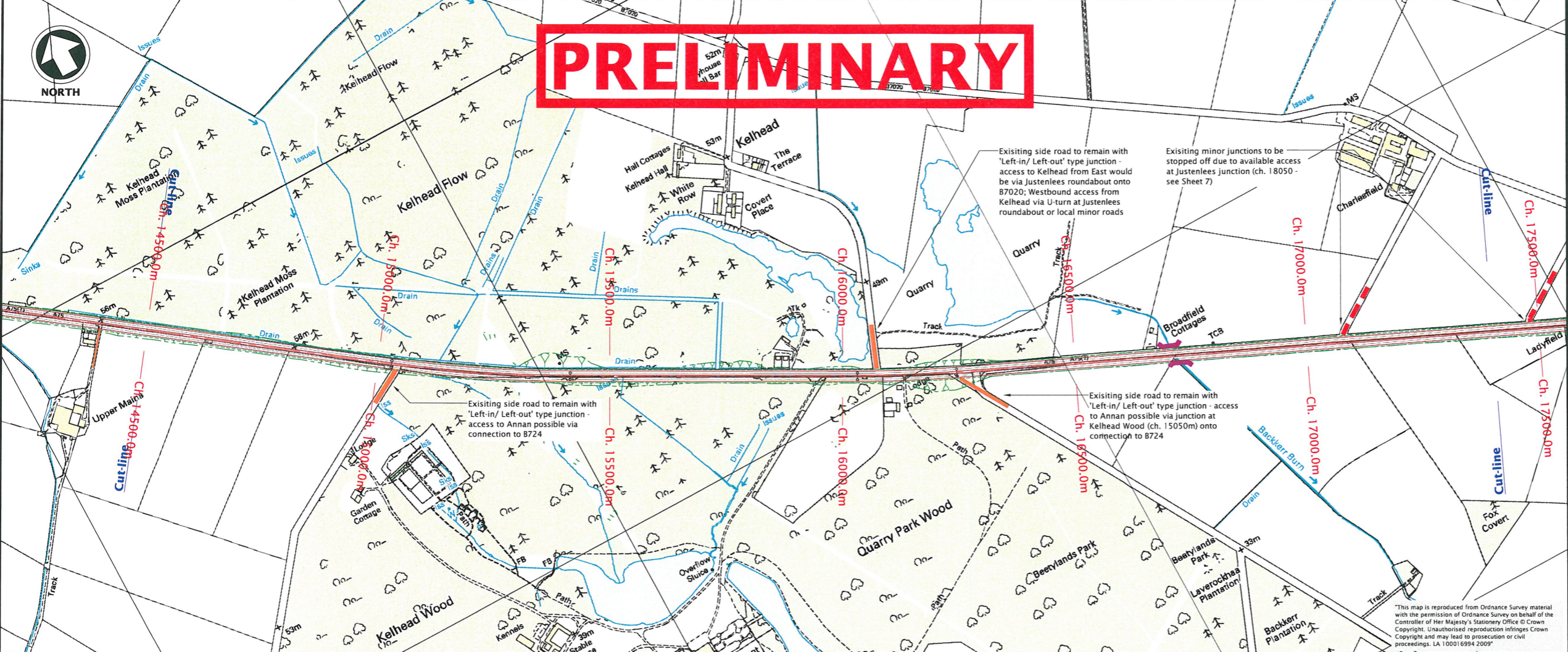


# PRELIMINARY



**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 A75 alignment carriageway and earthworks footprint
- Proposed junction location, or existing junction to be retained
- Alternative junction/side road layout for consideration
- Proposed overbridge/underbridge to maintain existing highway or provide accommodation crossing
- Existing highway to be stopped off

**Key to Longitudinal Section and Schematics**

**Section profiles**

- Proposed vertical alignment profile with tangent points and ordinates at 100m intervals
- Existing ground level profile along proposed alignment centre-line
- Existing ground level profile along proposed Eastbound/North side carriageway centre-line
- Existing ground level profile along proposed Westbound/South side carriageway centre-line

**Compliance of alignment geometry elements with DMRB\* standards**  
(listed in ascending order of severity)

- Desirable Minimum (or Desirable Maximum gradient)
- 1 Step below Desirable Minimum
- 2 Steps below Desirable Minimum

\* Design Manual for Roads and Bridges, Volume 6, Section 1, Part 1: TD 9/93 Highway Link Design



Digital Terrain Model may not accurately represent existing A75 levels in this area - earthworks footprint will also reflect any inaccuracies

Chainage	Existing level (at centre-line)	Proposed level (centre-line)	Level difference	Horizontal geometry	Vertical geometry
14500	56.354	56.354	0.000	Straight L=308.6m	Gradient -0.306%
14510	56.200	56.200	0.000		
14520	56.046	56.046	0.000	Curve R=18.200m L=415.5m	Gradient -0.500%
14530	55.892	55.892	0.000		
14540	55.738	55.738	0.000	Curve R=18.200m L=364.0m	Gradient -0.500%
14550	55.584	55.584	0.000		
14560	55.430	55.430	0.000	Straight L=615.9m	Gradient -0.500%
14570	55.276	55.276	0.000		
14580	55.122	55.122	0.000	Curve R=2.880m L=214.5m	Gradient -2.500%
14590	54.968	54.968	0.000		
14600	54.814	54.814	0.000	Straight L=1884.7m	Gradient -2.500%
14610	54.660	54.660	0.000		
14620	54.506	54.506	0.000	Curve L=400.0m R=20.000m	Gradient -0.500%
14630	54.352	54.352	0.000		
14640	54.198	54.198	0.000	Curve L=292.5m R=5.000m	Gradient 0.500%
14650	54.044	54.044	0.000		

PI	25/03/09	Preliminary Issue.		Ch'kd	App'd
Rev	Date	Drawn	Description	Ch'kd	App'd

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**Alignment Route Plan and Longitudinal Section**  
Chainage 14500m to 17400m (Sheet 6 of 12)

Designed	G Broughton	Eng.Chk.	S Rotherham
Drawn	G Broughton	Coordination	
Dwg.Chk.	C Sri-Pathmanathan	Approved	M A Staniland

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

Project: 254583  
CAD File: C:\Projects\254583\A75\A75\_001\254583\_001\254583\_001.dwg  
P1\_recover.dwg

Drawing No: 254583 / SHF / 1506

Status: PRE  
Rev: P1