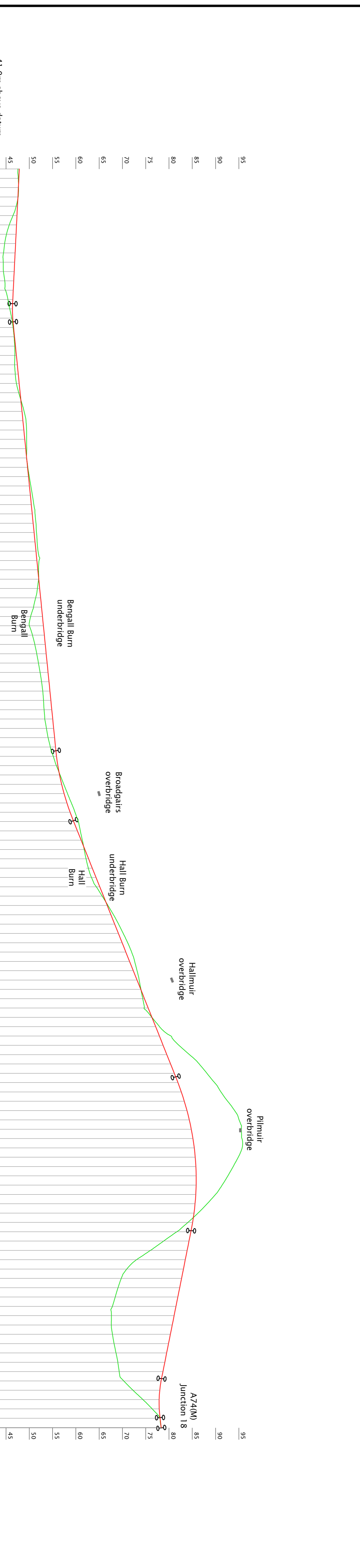
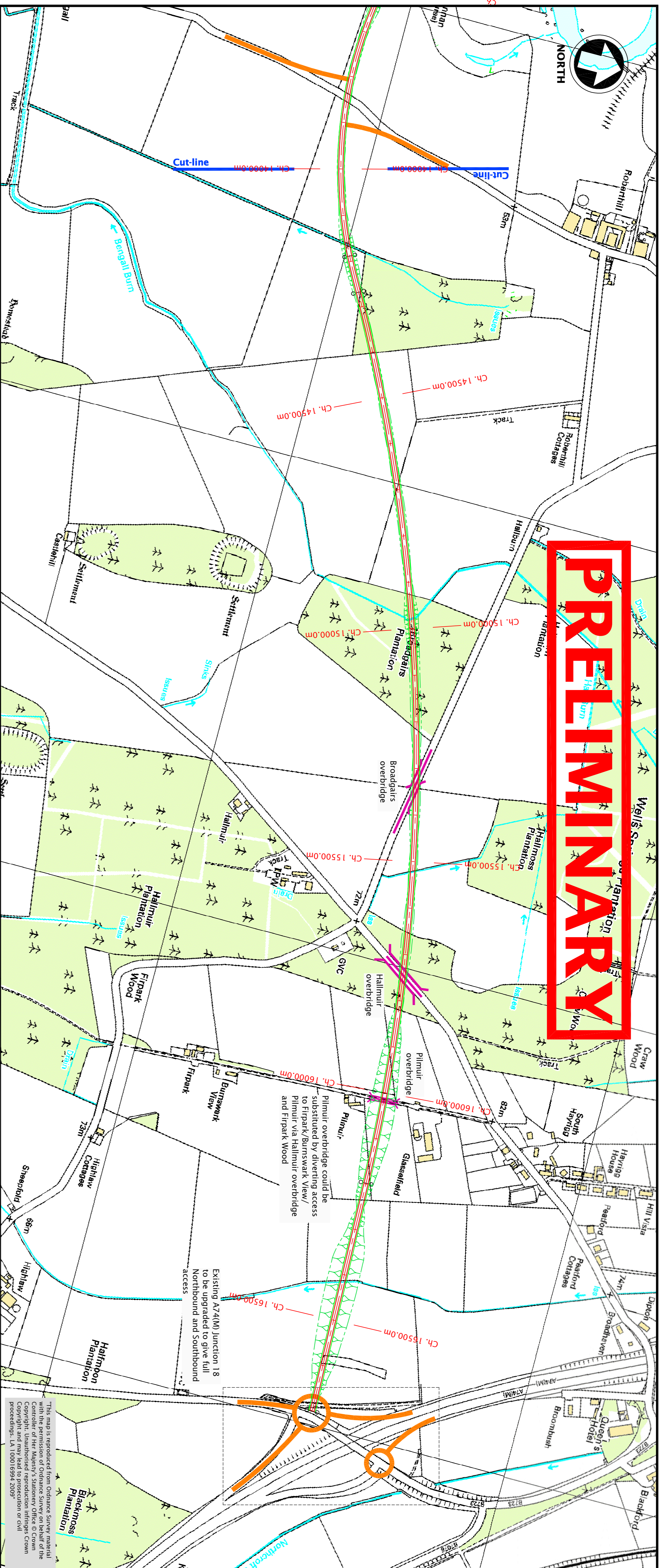


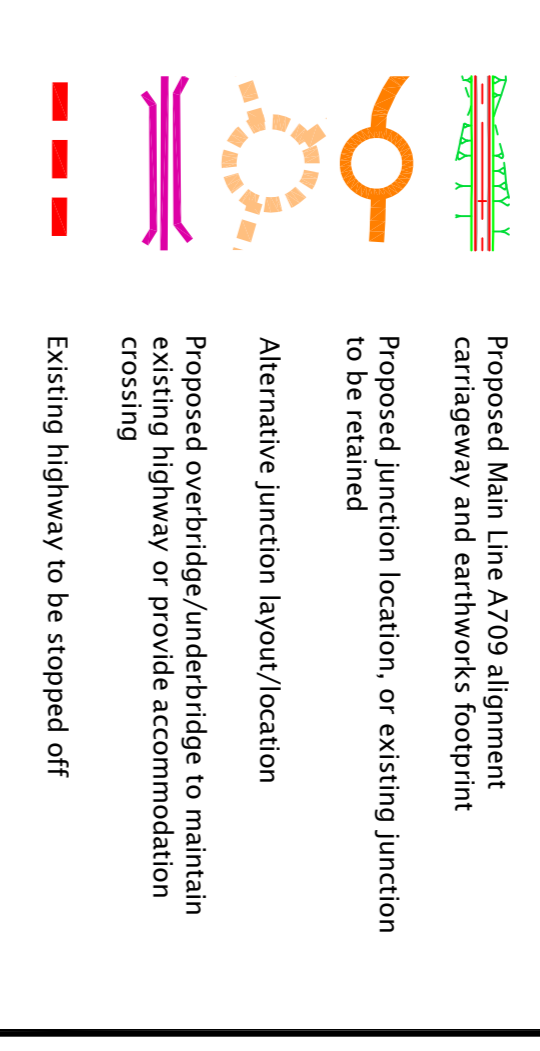
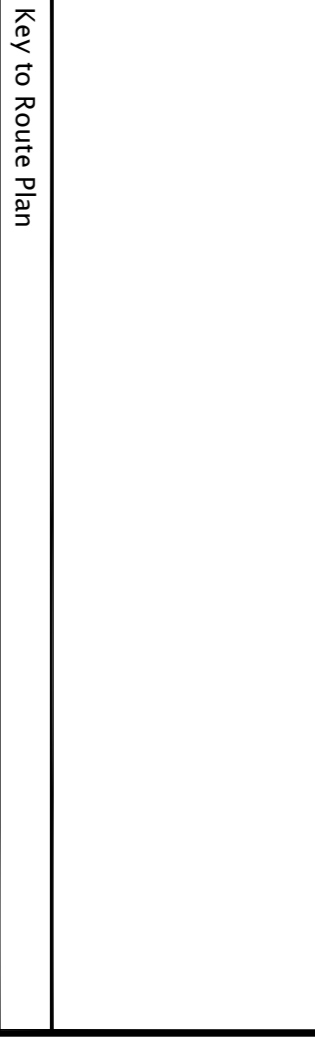
PRELIMINARY



| Chainage | Existing level (at centre-line) | Proposed level (centre-line) | Level difference |
|----------|---------------------------------|------------------------------|------------------|
| 45.000 | 47.857 | 47.857 | 0.000 |
| 46.000 | 47.757 | 47.757 | 0.000 |
| 47.000 | 47.657 | 47.657 | 0.000 |
| 48.000 | 47.557 | 47.557 | 0.000 |
| 49.000 | 47.457 | 47.457 | 0.000 |
| 50.000 | 47.357 | 47.357 | 0.000 |
| 51.000 | 47.257 | 47.257 | 0.000 |
| 52.000 | 47.157 | 47.157 | 0.000 |
| 53.000 | 47.057 | 47.057 | 0.000 |
| 54.000 | 46.957 | 46.957 | 0.000 |
| 55.000 | 46.857 | 46.857 | 0.000 |
| 56.000 | 46.757 | 46.757 | 0.000 |
| 57.000 | 46.657 | 46.657 | 0.000 |
| 58.000 | 46.557 | 46.557 | 0.000 |
| 59.000 | 46.457 | 46.457 | 0.000 |
| 60.000 | 46.357 | 46.357 | 0.000 |
| 61.000 | 46.257 | 46.257 | 0.000 |
| 62.000 | 46.157 | 46.157 | 0.000 |
| 63.000 | 46.057 | 46.057 | 0.000 |
| 64.000 | 45.957 | 45.957 | 0.000 |
| 65.000 | 45.857 | 45.857 | 0.000 |
| 66.000 | 45.757 | 45.757 | 0.000 |
| 67.000 | 45.657 | 45.657 | 0.000 |
| 68.000 | 45.557 | 45.557 | 0.000 |
| 69.000 | 45.457 | 45.457 | 0.000 |
| 70.000 | 45.357 | 45.357 | 0.000 |
| 71.000 | 45.257 | 45.257 | 0.000 |
| 72.000 | 45.157 | 45.157 | 0.000 |
| 73.000 | 45.057 | 45.057 | 0.000 |
| 74.000 | 44.957 | 44.957 | 0.000 |
| 75.000 | 44.857 | 44.857 | 0.000 |
| 76.000 | 44.757 | 44.757 | 0.000 |
| 77.000 | 44.657 | 44.657 | 0.000 |
| 78.000 | 44.557 | 44.557 | 0.000 |
| 79.000 | 44.457 | 44.457 | 0.000 |
| 80.000 | 44.357 | 44.357 | 0.000 |
| 81.000 | 44.257 | 44.257 | 0.000 |
| 82.000 | 44.157 | 44.157 | 0.000 |
| 83.000 | 44.057 | 44.057 | 0.000 |
| 84.000 | 43.957 | 43.957 | 0.000 |
| 85.000 | 43.857 | 43.857 | 0.000 |
| 86.000 | 43.757 | 43.757 | 0.000 |
| 87.000 | 43.657 | 43.657 | 0.000 |
| 88.000 | 43.557 | 43.557 | 0.000 |
| 89.000 | 43.457 | 43.457 | 0.000 |
| 90.000 | 43.357 | 43.357 | 0.000 |
| 91.000 | 43.257 | 43.257 | 0.000 |
| 92.000 | 43.157 | 43.157 | 0.000 |
| 93.000 | 43.057 | 43.057 | 0.000 |
| 94.000 | 42.957 | 42.957 | 0.000 |
| 95.000 | 42.857 | 42.857 | 0.000 |

| Horizontal geometry schematic | Vertical geometry schematic | Overlapping provision |
|-------------------------------|-----------------------------|-----------------------|
| | | |
| | | |
| | | |

- 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.



Section profiles

Proposed vertical alignment profile with tangent points and ordinates at 20m intervals

Existing ground level 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

** 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 14000 to 16700m (end) (Sheet 6 of 6)

| Designed | Drawn | Dwg.Crk. | Project | Scale | Drawing No |
|-------------|-------------|-------------|---------|-------|---------------------|
| C Broughton | C Broughton | C Broughton | 254583 | at A1 | 254583 / SHF / 1106 |

Status: PRE