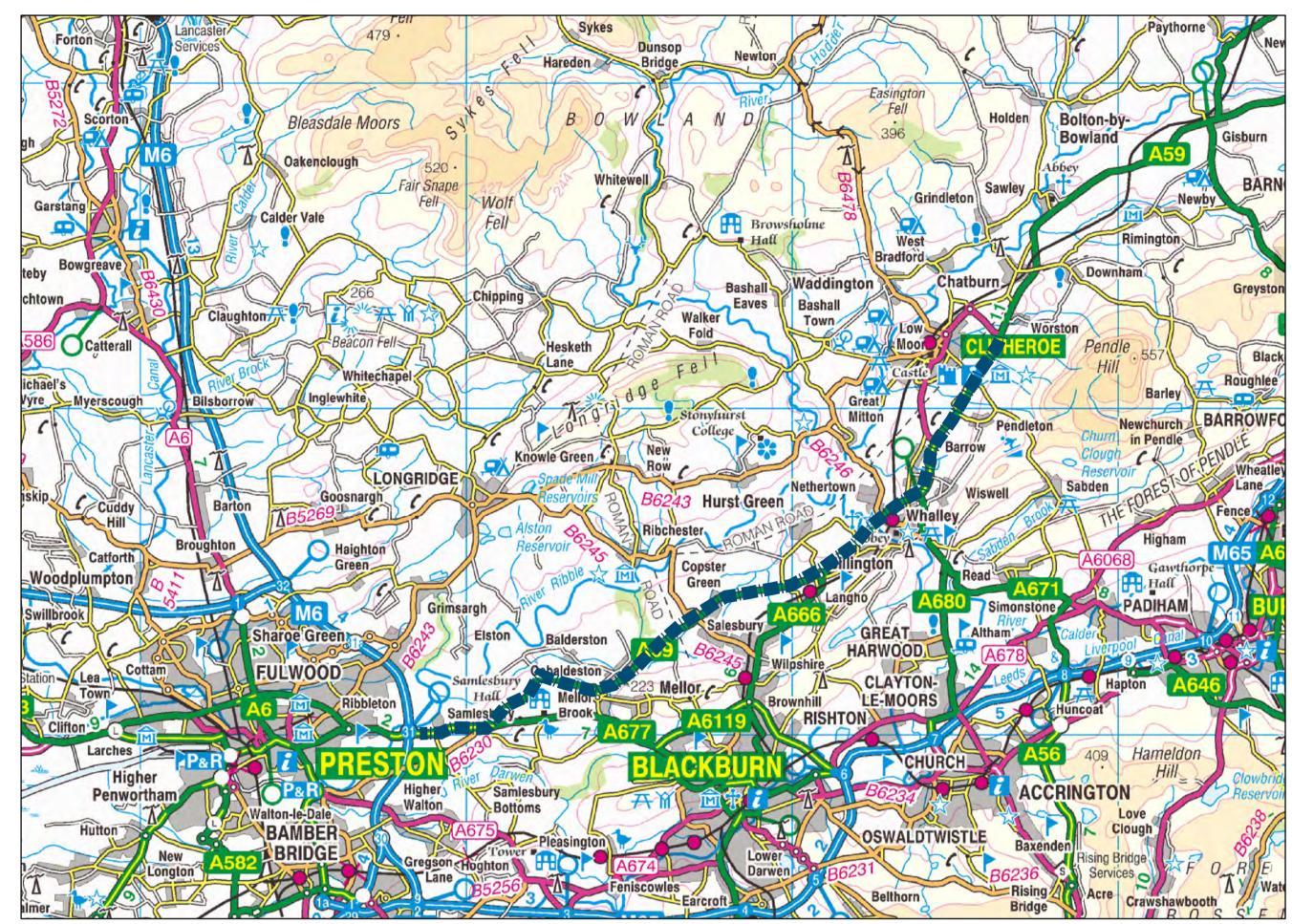


#### Appendix A1 – Proposed Routes

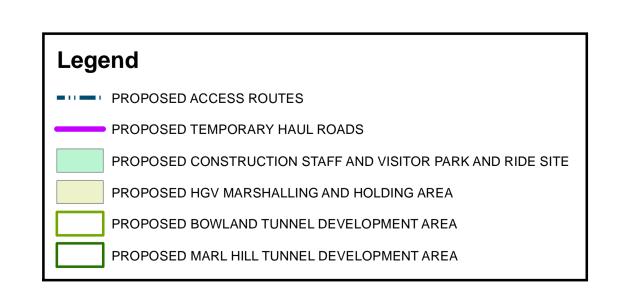
Figure A-1-01: Proposed Access Routes (MNA\_A-1-01)

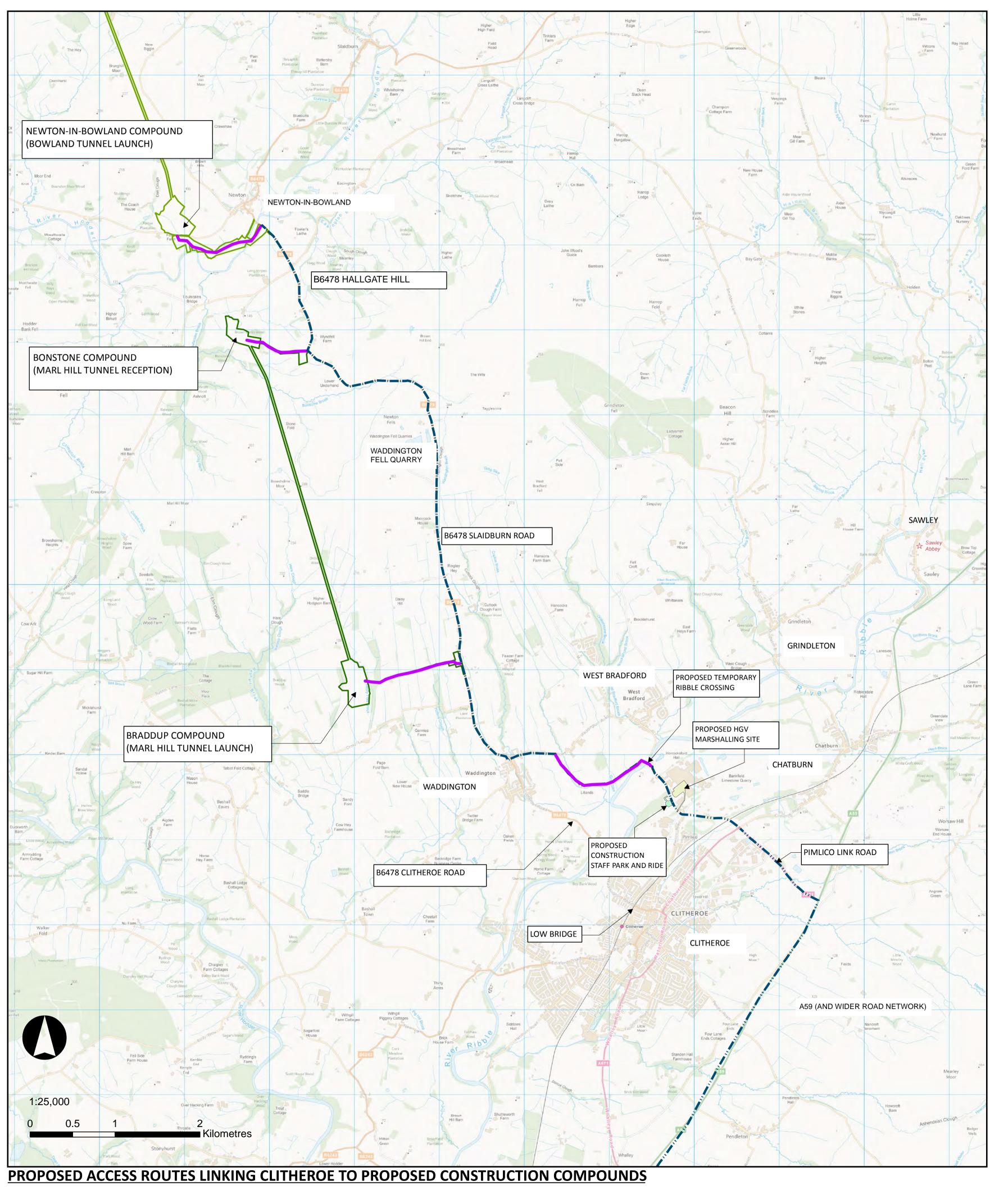
## **APPENDIX A1**

### FIGURE A-1-01: PROPOSED ACCESS ROUTES



PROPOSED ACCESS ROUTE LINKING THE M6 MOTORWAY NETWORK TO CLITHEROE





The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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#### Appendix A2 – Daily Two Way Vehicle Movements

Figure A-2-01: Option 2 – Construction Phase 1 (MNA\_A-2-01)

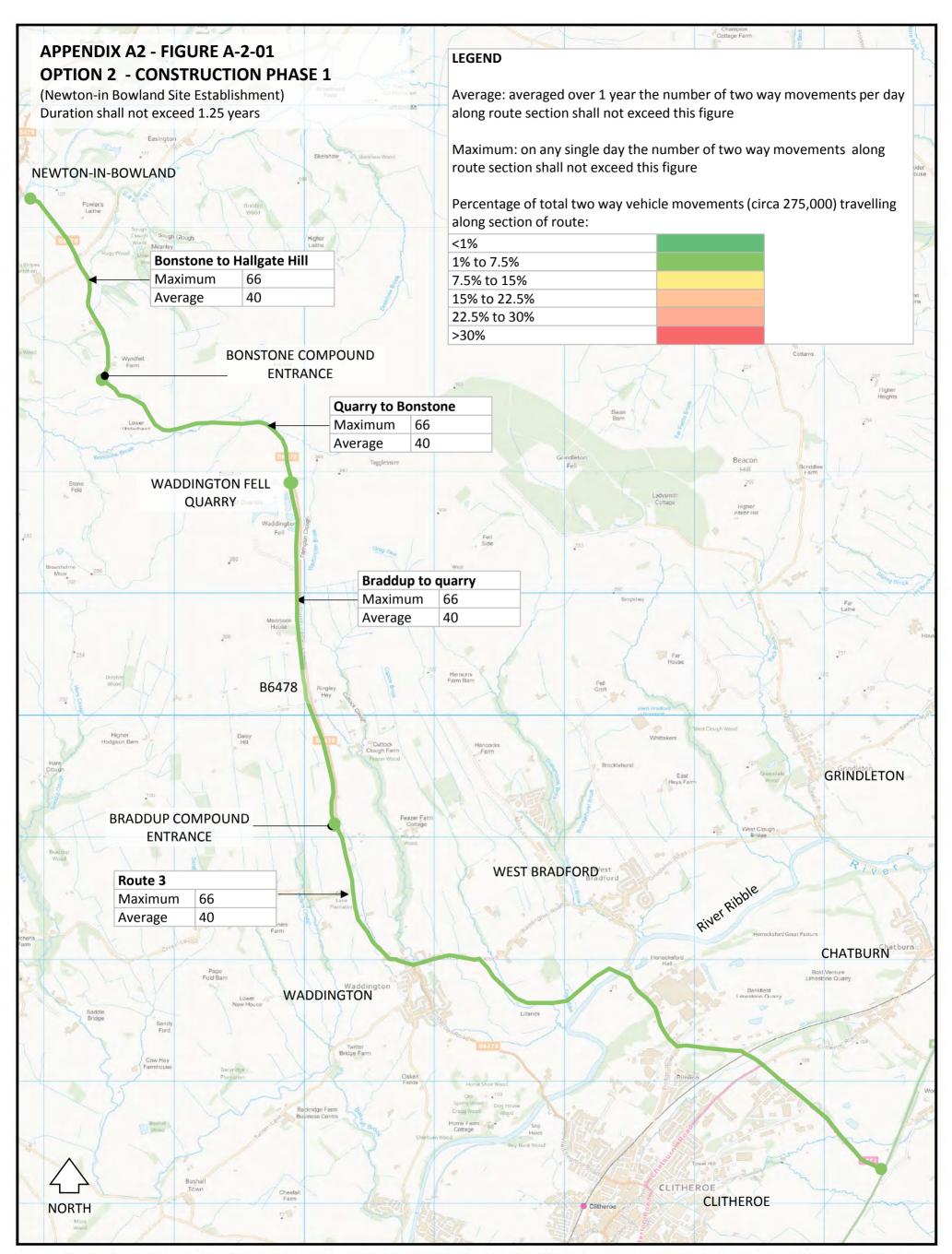
Figure A-2-02: Option 2 – Construction Phase 2 (MNA\_A-2-02)

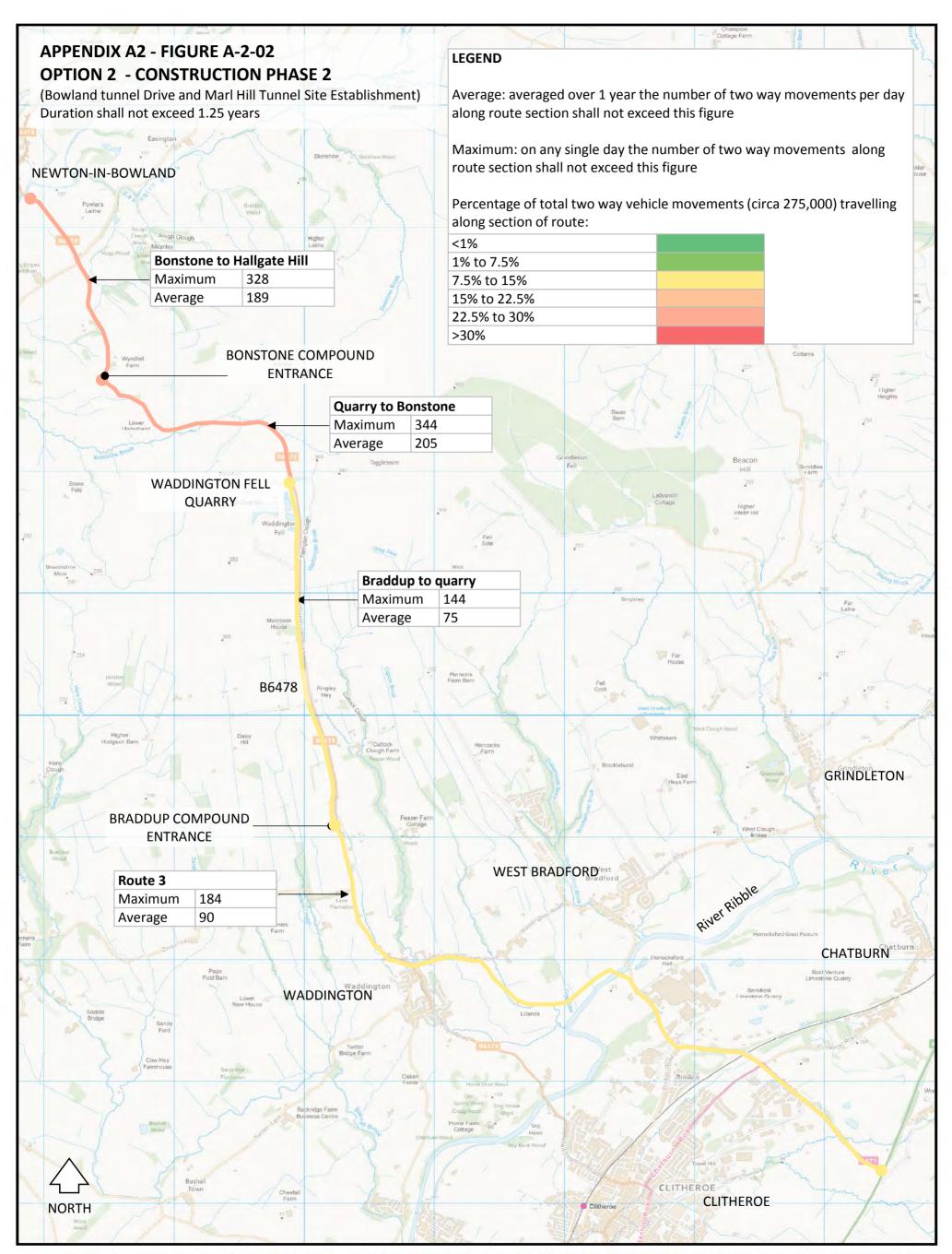
Figure A-2-03: Option 2 – Construction Phase 3 (MNA\_A-2-03)

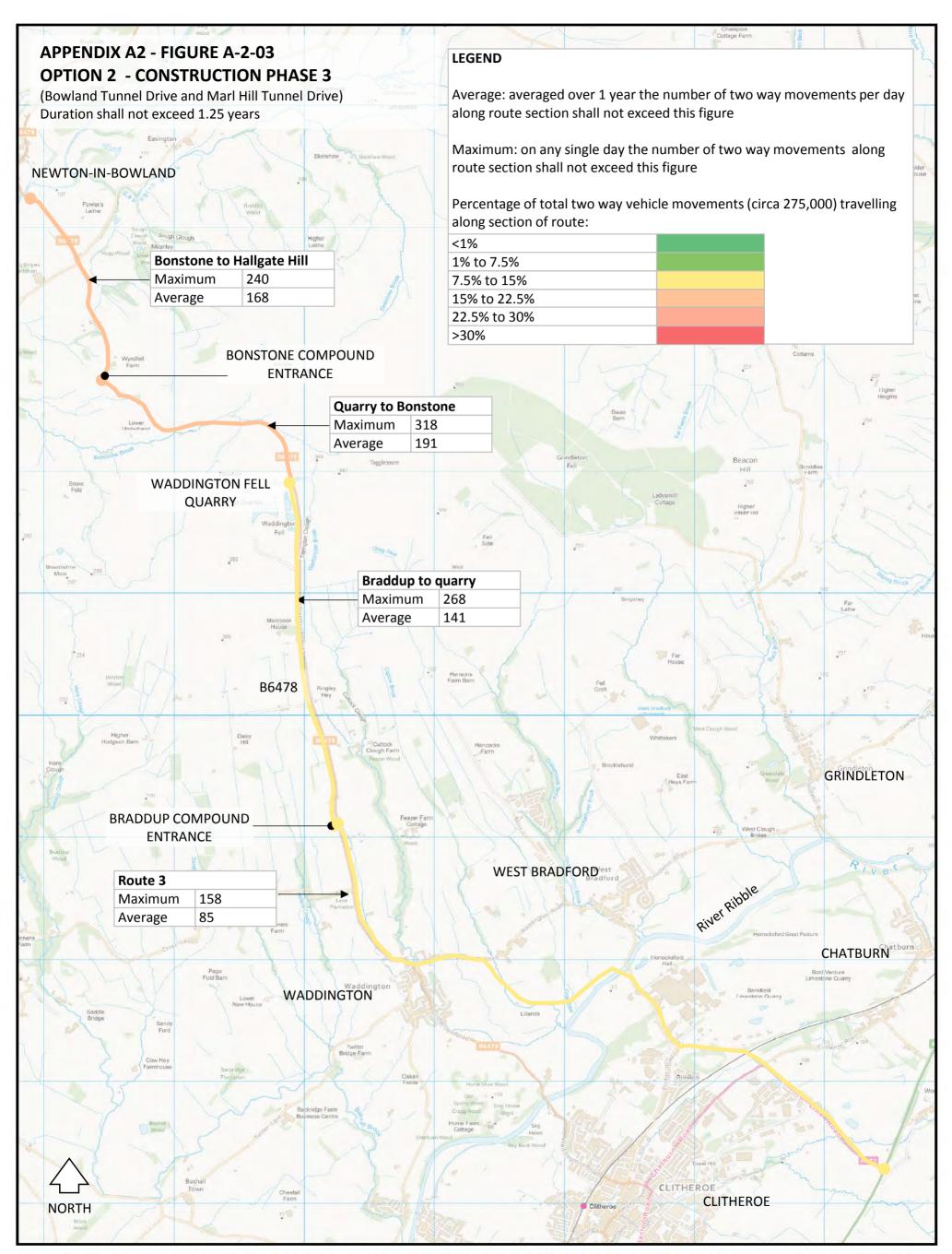
Figure A-2-04: Option 2 – Construction Phase 4 (MNA\_A-2-04)

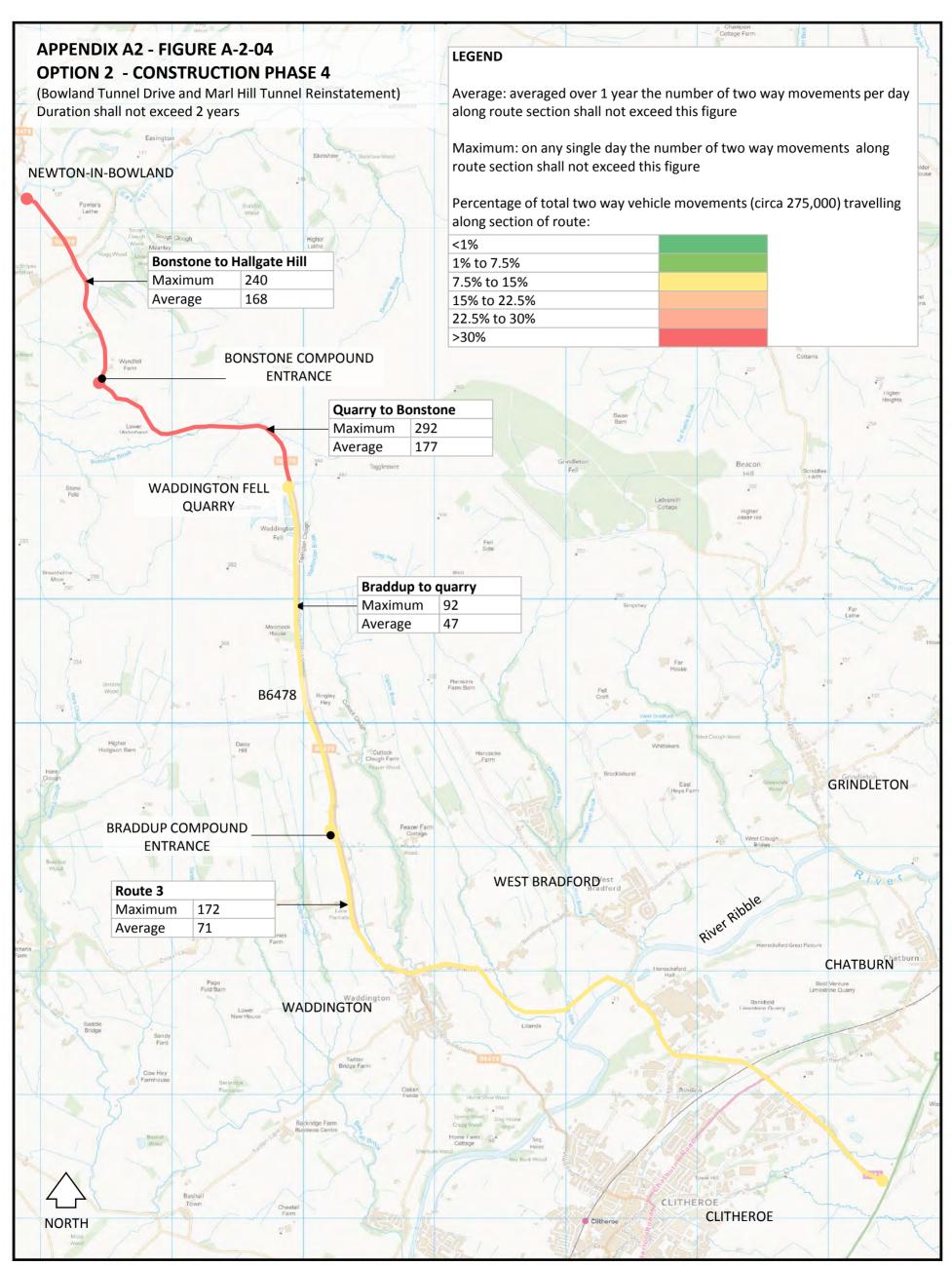
Figure A-2-05: Option 2 – Construction Phase 5 (MNA\_A-2-05)

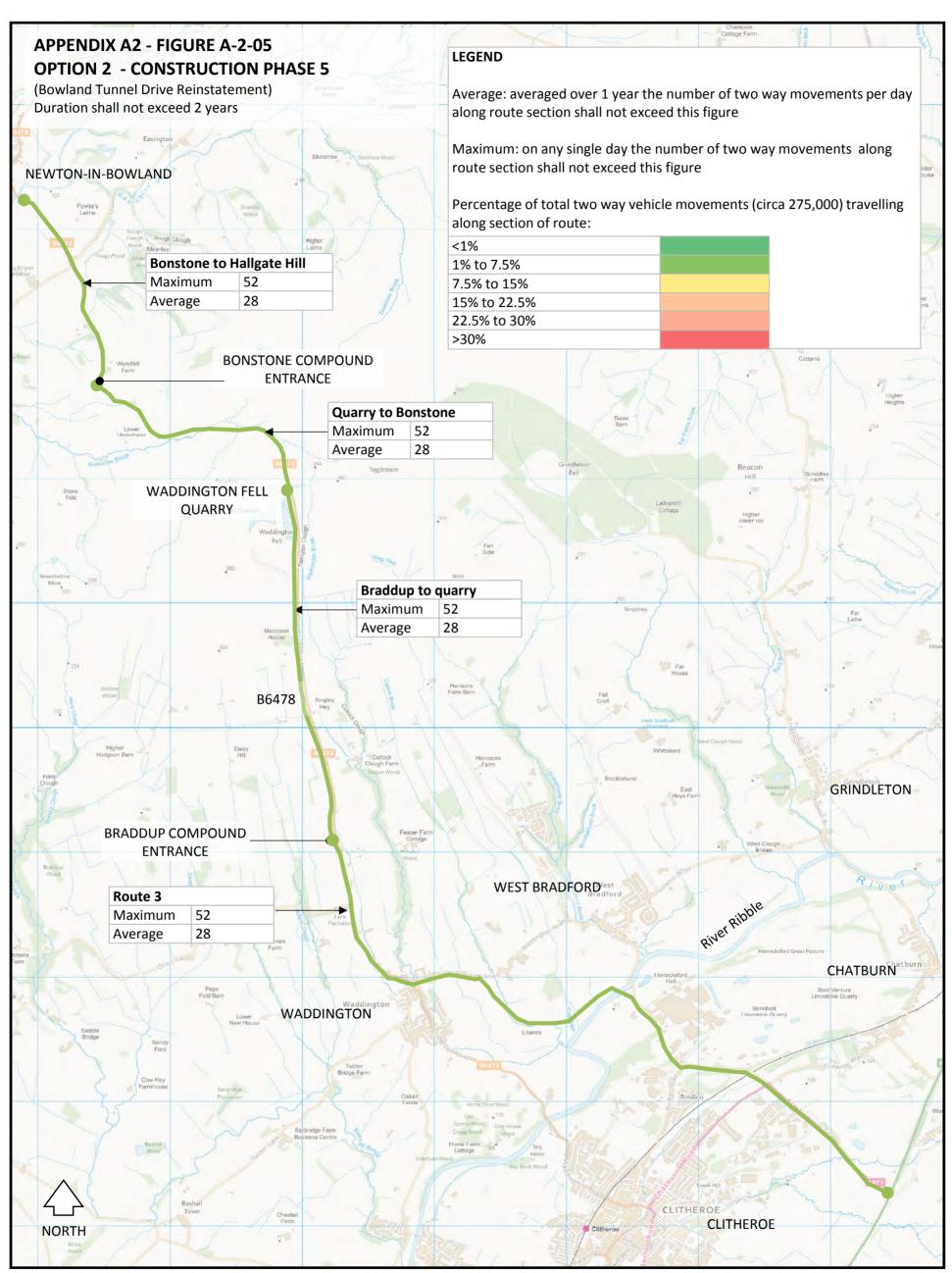
Figure A-2-06: Transport Planning Summary (MNA\_A-2-06)

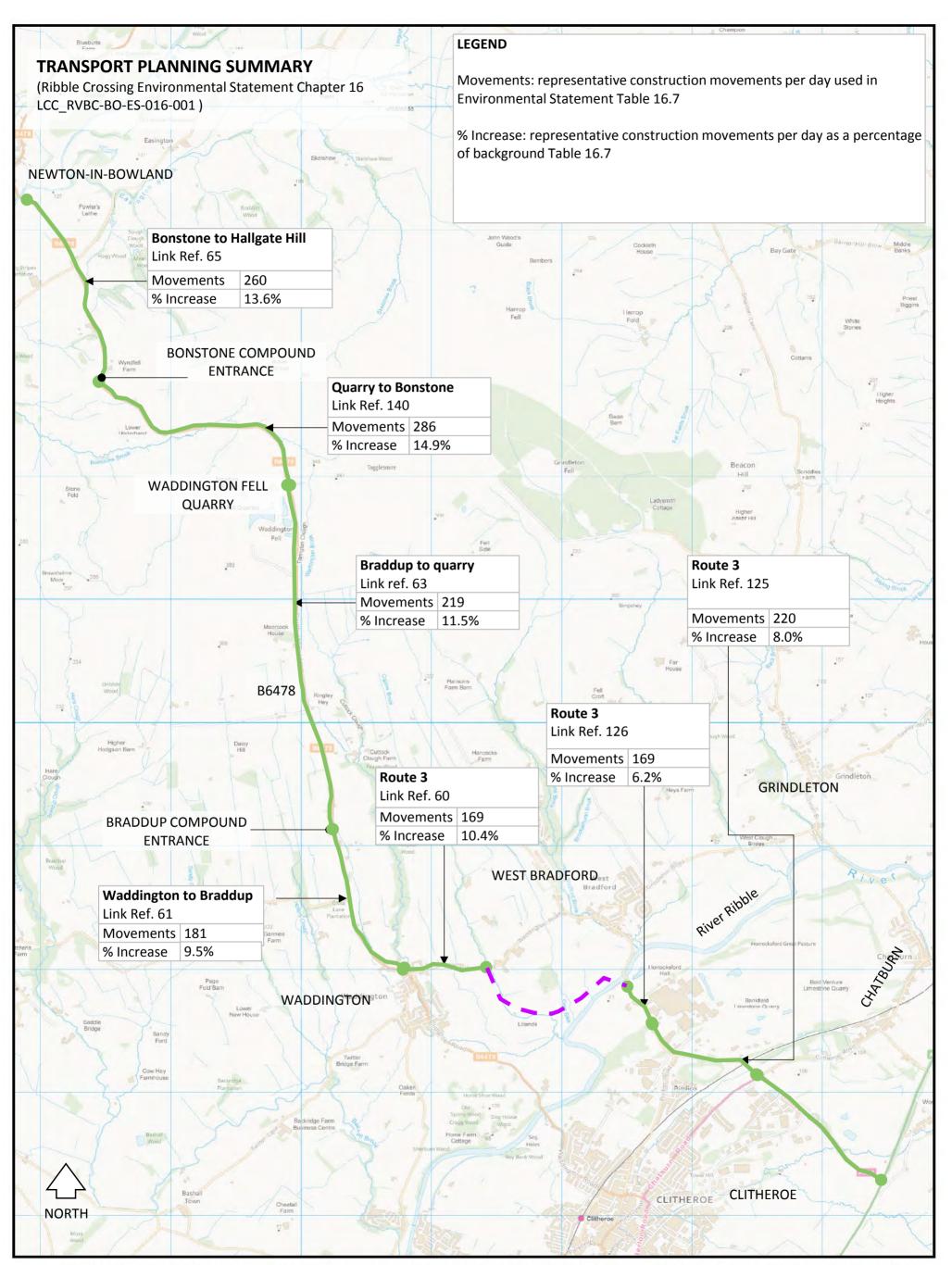














#### Appendix A3 – Anticipated Vehicle Types

Figure A-3-01: HGV – 4 axle rigid max GVW 32 Tonne\* (rigid/tipper) (MNA\_A-3-01\_to\_06)

Figure A-3-02: HGV – 5/6 axle articulated tanker up to GVW 44 Tonne (MNA\_A-3-01\_to\_06)

Figure A-3-03: HGV – tractor unit, low loader step trailer up to GVW 44 Tonne (MNA\_A-3-01\_to\_06)

Figure A-3-04: 5/6 axle articulated flatbed up to GVW 44 Tonne (MNA\_A-3-01\_to\_06)

Figure A-3-05: Abnormal Indivisible Load Mobile Crane (MNA\_A-3-01\_to\_06)

Figure A-3-06: Abnormal Indivisible Load Tunnel Boring Machine Components (MNA\_A-3-01\_to\_06)

#### Figure A-3-01

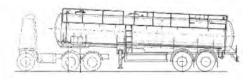
#### HGV - 4 axle rigid max GVW 32 Tonne\* (rigid/tipper)



Overall Width: 2.49
Overall Length: 8.79
Approx. Turning Diameter: 21.5
Approximate Height: 3.1

Figure A-3-02
HGV – 5/6 axle articulated tanker up to GVW 44 Tonne

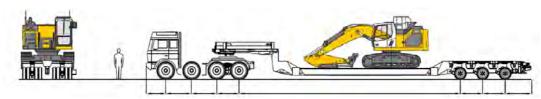




Overall Width: 2.55
Overall Length: 13
Approx. Turning Diameter: 16.5
Approximate Height: 3.7

Figure A-3-03

#### HGV - tractor unit, low loader step trailer up to GVW 44 Tonne



Overall Width: 3.05\*\*

Overall Length: 21.045

Approx. Turning Diameter: 19.6

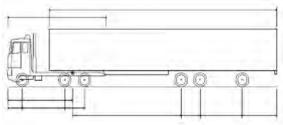
Approximate Height: 4

Note: Unloaded trailer width likley to be approx. 2.75m

\*\* Will vary depending upon load typically 2.9m width anticipated

#### Figure A-3-04

#### HGV - 5/6 axle articulated flatbed up to GVW 44 Tonne

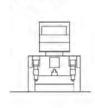


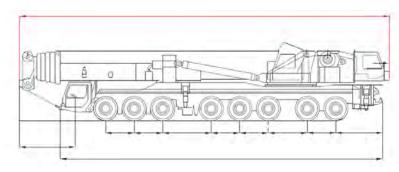
Overall Width: 2.55

Overall Length: 18.5

Approx. Turning Diameter: 17.5
Approximate Height: 3.6

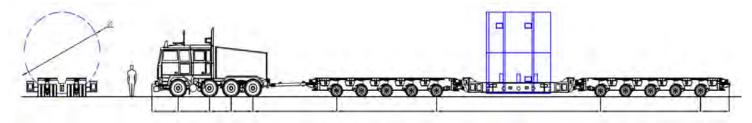
<u>Figure A-3-05</u> Abnormal Indivisible Load Mobile Crane





Overall Width: 3
Overall Length: 21.4
Approx. Turning Diameter: 32.9
Approximate Height: 4

Figure A-3-06
Abnormal Indivisible Load
Tunnel Boring Machine Components



Load diameter (Φ): 4.3
Tracor & Trailer Width: 3
Overall Length: 34.3
Approx. Turning Diameter: 64
Approximate Height: 4.6



#### Appendix B1 – Swept path results and highway modifications

Figure B-1-01: Swept paths for proposed routes - B6478 Hallgate Hill Junction to Chapel Croft (MNA\_B-1-01)

Figure B-1-02: Swept paths for proposed routes - B6478 Hallgate Hill (Chapel Croft - Bonstone Access Junction) - Slaidburn Road (MNA\_B-1-02)

Figure B-1-03: Swept paths for proposed routes - B6478 Slaidburn Road (Smelt Mills Clough/Bonstone Brook) (MNA\_B-1-03)

Figure B-1-04: Swept paths for proposed routes - B6478 Slaidburn Road (Waddington Fell Quarry/ Titrington Brow) (MNA\_B-1-04)

Figure B-1-05: Swept paths for proposed routes - B6478 Slaidburn Road / Fell Road (MNA\_B-1-05)

Figure B-1-06: Swept paths for proposed routes - B6478 Slaidburn Road (Braddup Access Junction) (MNA\_B-1-06)

Figure B-1-07: Swept paths for proposed routes - B6478 Slaidburn Road (North Waddington) (MNA\_B-1-07)

Figure B-1-08: Swept paths for proposed routes - East of Waddington West Bradford Road (MNA\_B-1-08)

B6478 Hallgate Hill (TA Link Ref. 65)

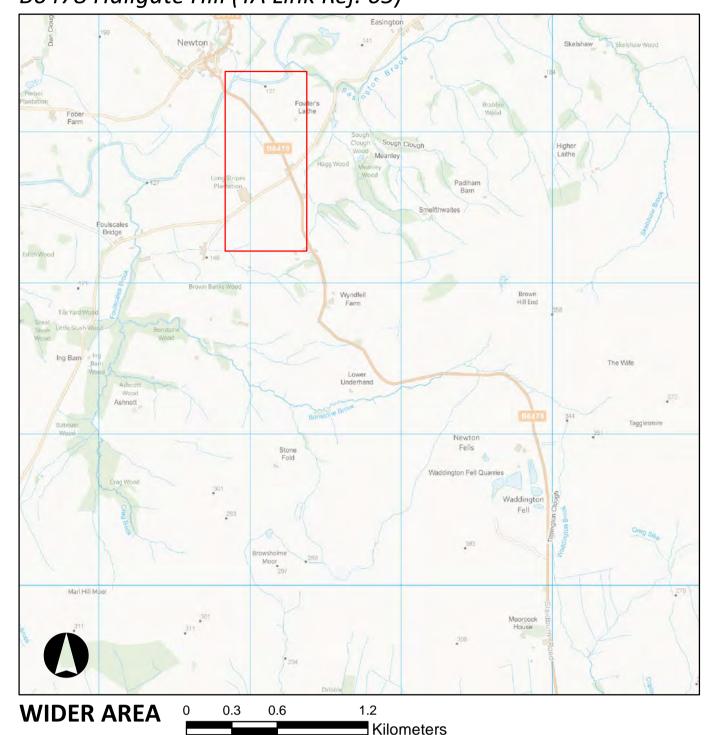




IMAGE 1: HGV TRIAL 11th NOVEMBER 2020
4 AXLE RIGID TIPPER HALLGATE HILL (SOUTHBOUND)
AT SIGNPOSTED ROAD NARROWING



IMAGE 2: HGV TRIAL 11TH NOVEMBER 2020
4 AXLE RIGID TIPPER HALLGATE HILL (SOUTHBOUND)
TYPICAL OBSERVED LANE DISCIPLINE

## Legend

- Road Modification Reference
- Proposed Road Modification



HGV - 4 axle rigid (rigid/tipper) from site (Southbound)



HGV - tractor unit, low loader step trailer from site (Southbound)



HGV - tractor unit, low loader step trailer to site (Northbound HGV - 4 axle rigid (rigid/tipper) from site (Southbound)

B6478 Hallgate Hill/Slaidburn Road (TA Link Refs. 65 + 140)

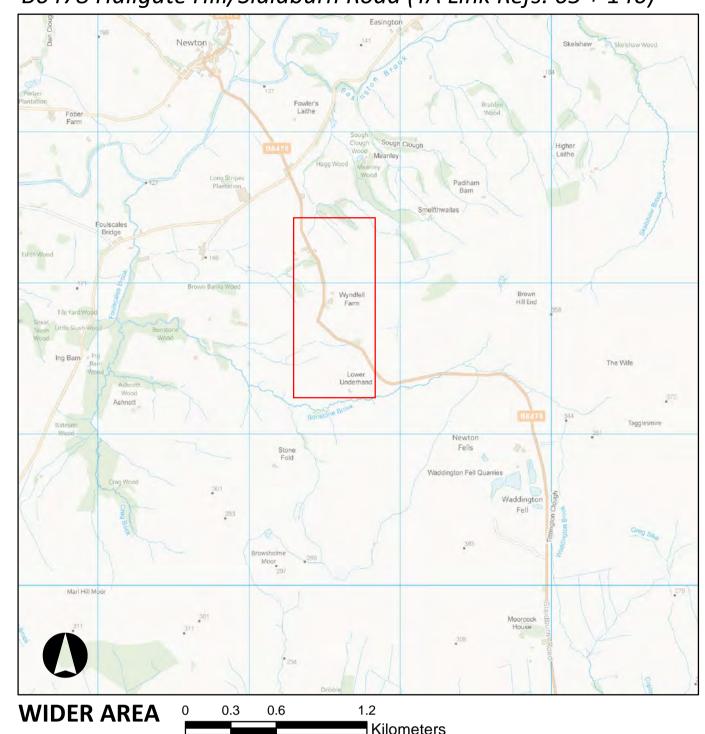




IMAGE 1: HGV TRIAL 11th NOVEMBER 2020
4 AXLE RIGID TIPPER HALLGATE HILL (SOUTHBOUND)
TYPICAL OBSERVED LANE DISCIPLINE

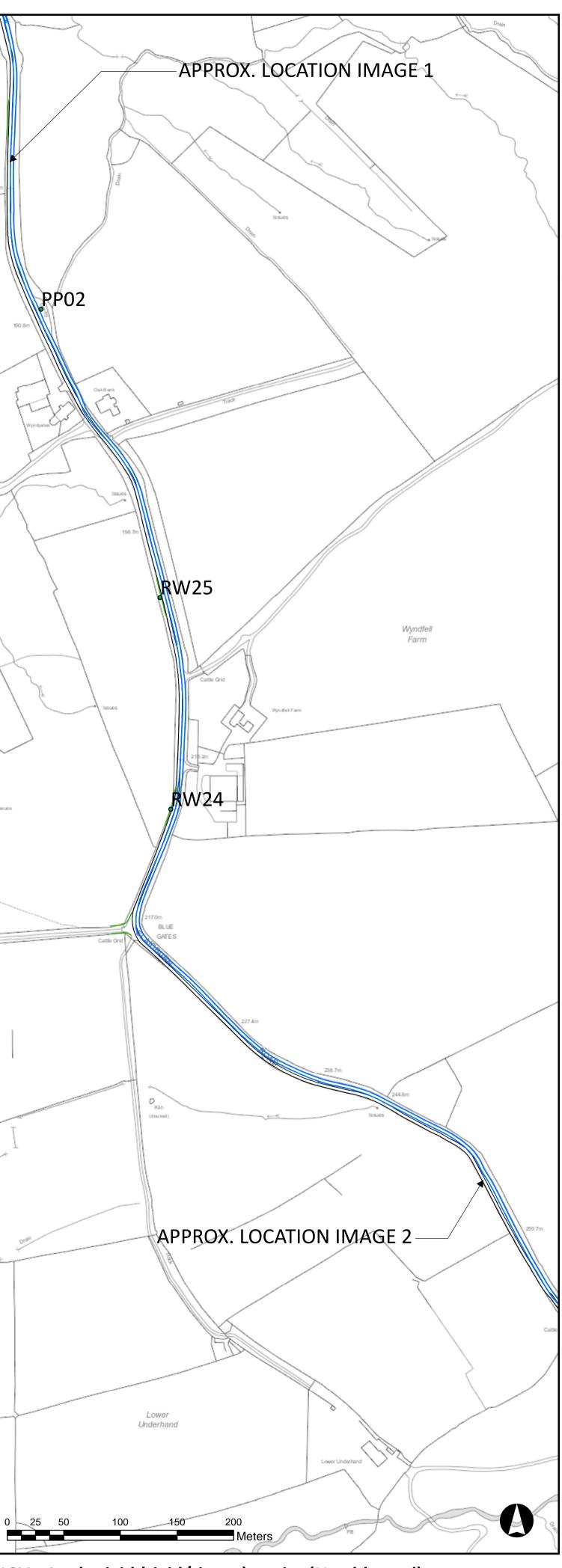


IMAGE 2: HGV TRIAL 11th NOVEMBER 2020
4 AXLE RIGID TIPPER SLAIDBURN ROAD (SOUTHBOUND)
TYPICAL OBSERVED LANE DISCIPLINE

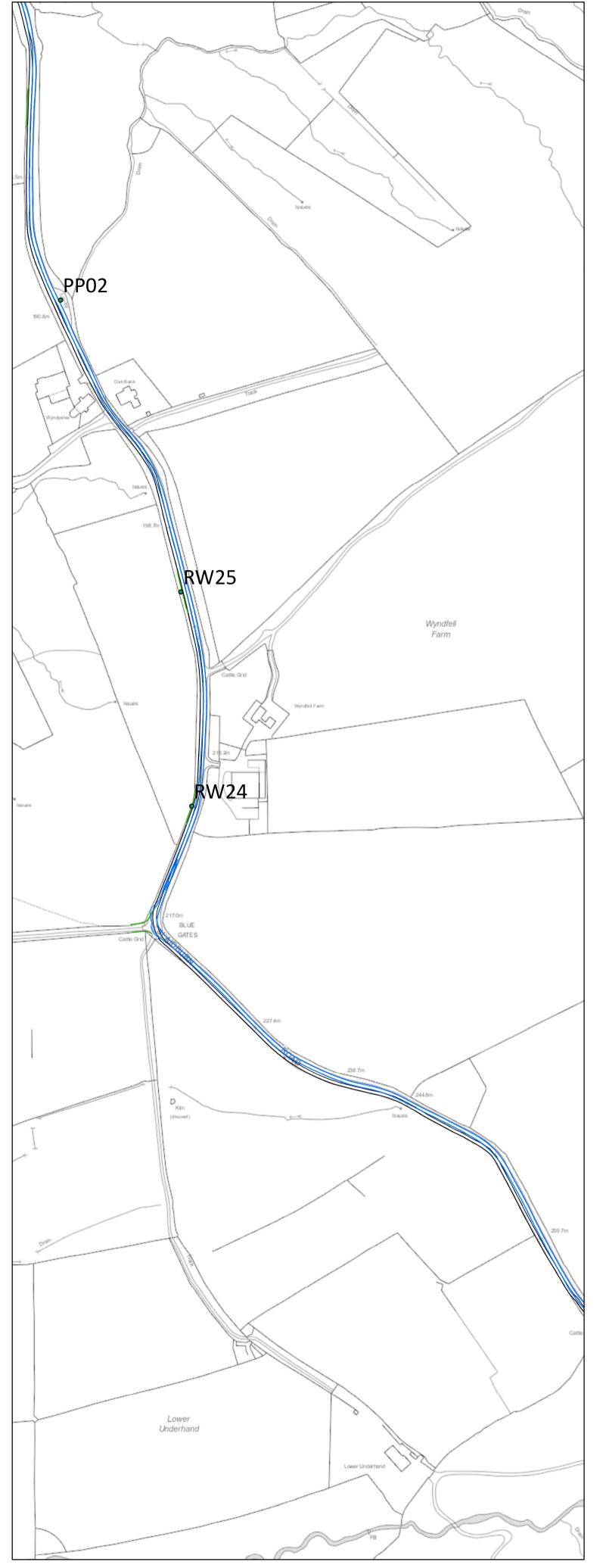
## Legend

• Road Modification Reference

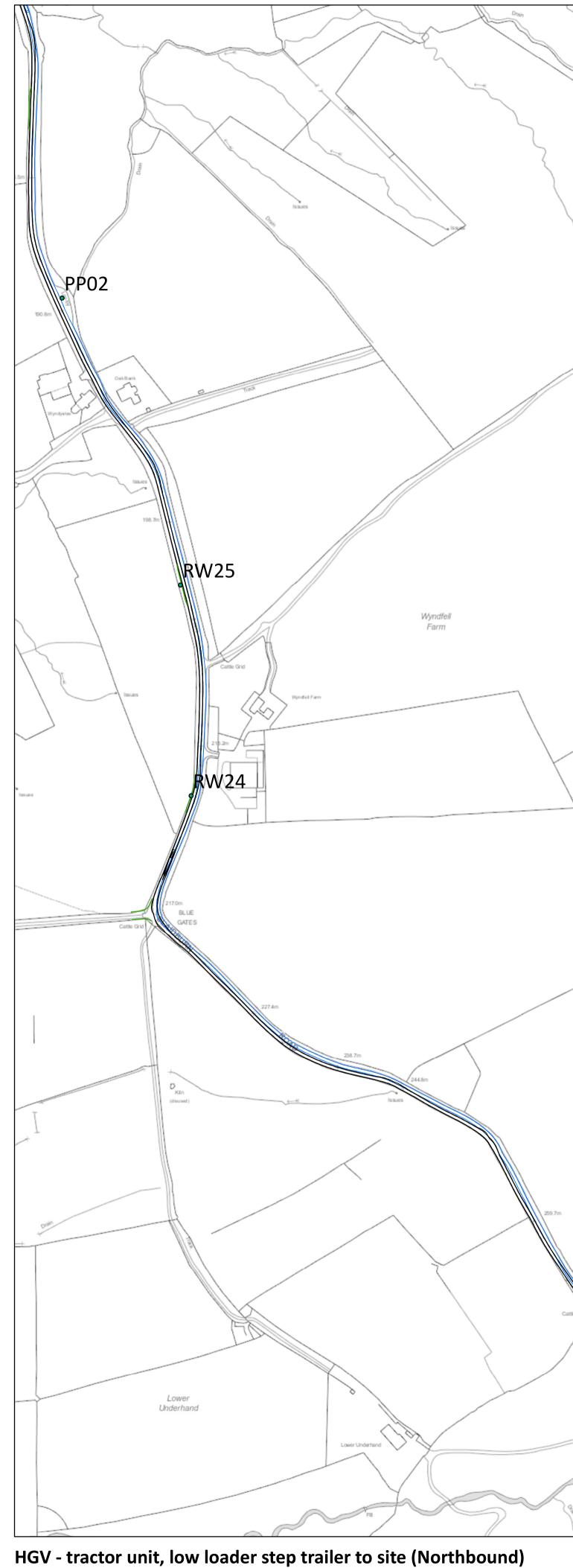
— Proposed Road Modification



HGV - 4 axle rigid (rigid/tipper) to site (Northbound)
HGV - 4 axle rigid (rigid/tipper) from site (Southbound)



HGV - 4 axle rigid (rigid/tipper) to site (Northbound)
HGV - tractor unit, low loader step trailer from site (Southbound)

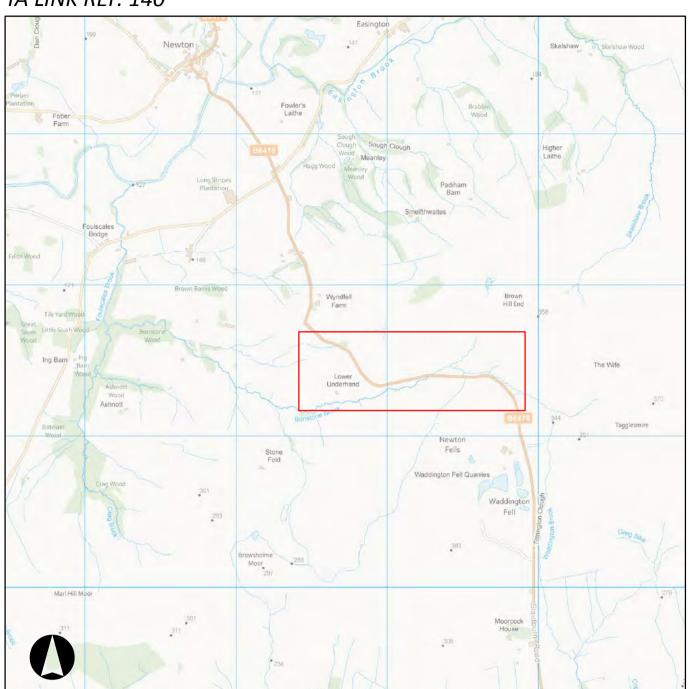


HGV - tractor unit, low loader step trailer to site (Northbound HGV - 4 axle rigid (rigid/tipper) from site (Southbound)

# <u>APPENDIX B1 - SWEPT PATHS FOR PRPOSED ROUTES</u>

## **FIGURE B - 1 - 03**

B6478 SLAIDBURN ROAD (SMELT MILL CLOUGH/ BONSTONE BROOK) TA LINK REF. 140



WIDER AREA 0 0.3 0.6 1.2 Kilometer



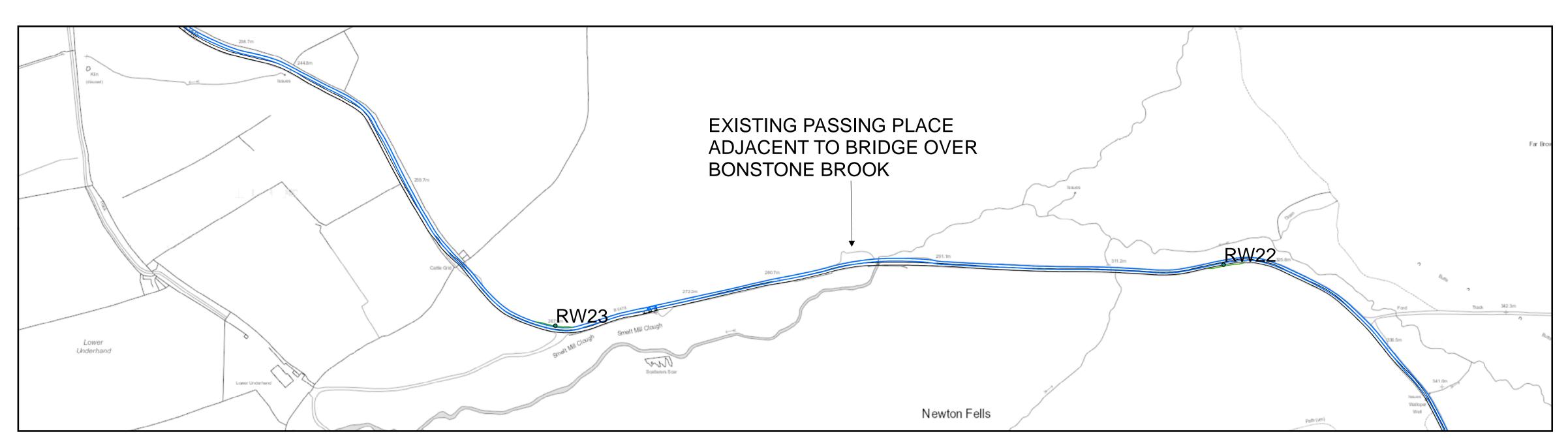
IMAGE 1: HGV TRIAL 11th NOVEMBER 2020 4 AXLE RIGID TIPPER SLAIDBURN RD (SOUTHBOUND) OBSERVED TYPICAL LANE DISCIPLINE



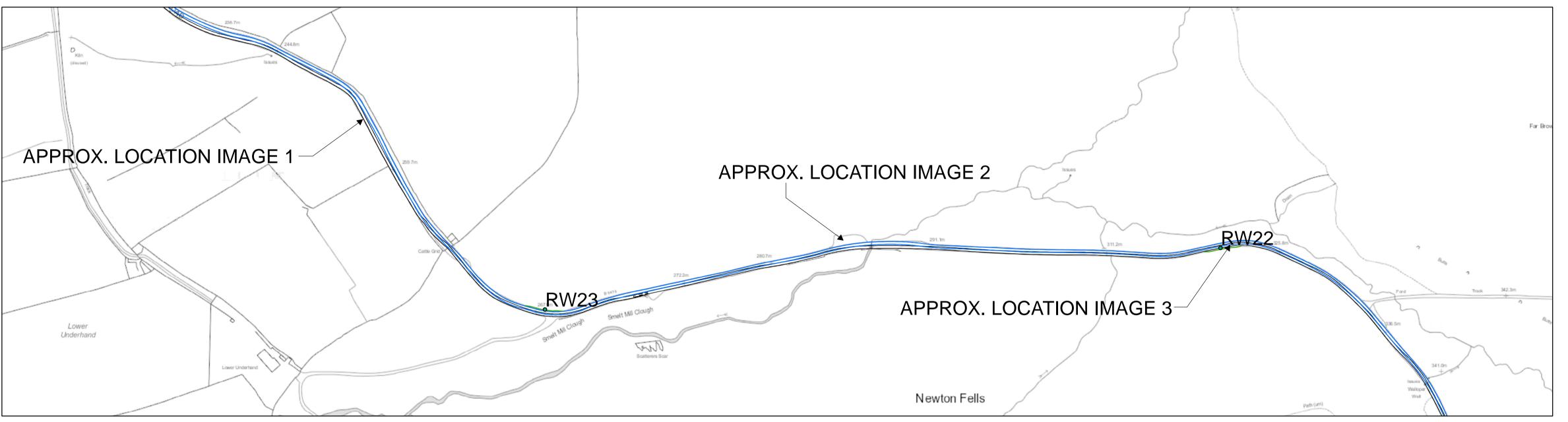
IMAGE 2: HGV TRIAL 11th NOVEMBER 2020
4 AXLE RIGID TIPPER SLAIDBURN RD (SOUTHBOUND)
BONSTONE BROOK PASSING PLACE



IMAGE 3: HGV TRIAL 11th NOVEMBER 2020
4AXLE RIGID TIPPER SLAIDBURN RD (SOUTHBOUND)
TYPICAL OBSERVED LANE DISCIPLINE

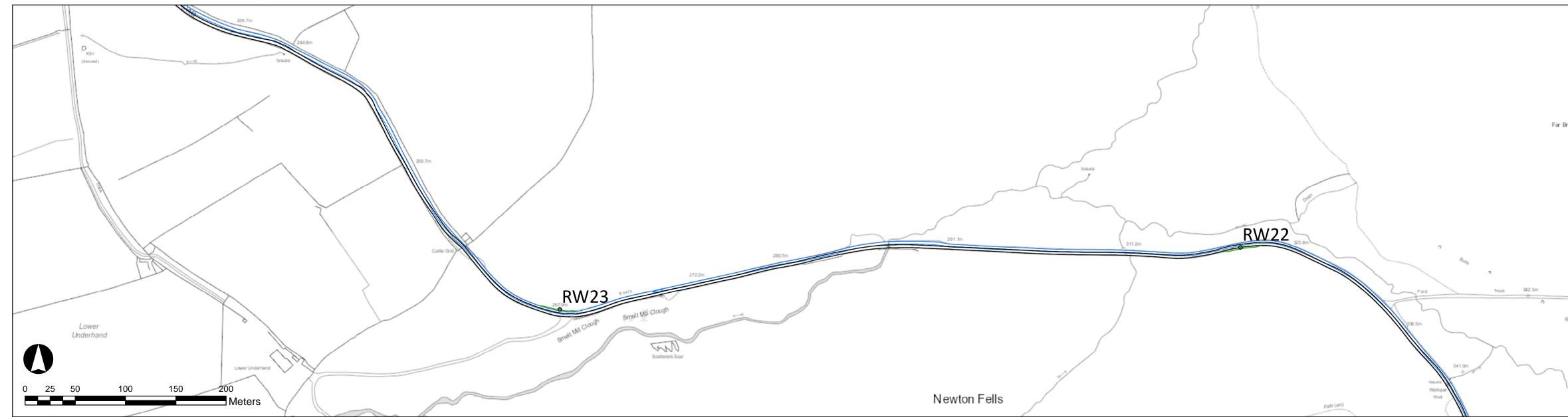


HGV - 4 axle rigid (rigid/tipper) to site (Northbound)HGV - 4 axle rigid (rigid/tipper) from site (Southbound)



HGV - 4 axle rigid (rigid/tipper) to site (Northbound)

**HGV** - tractor unit, low loader step trailer from site (Southbound)

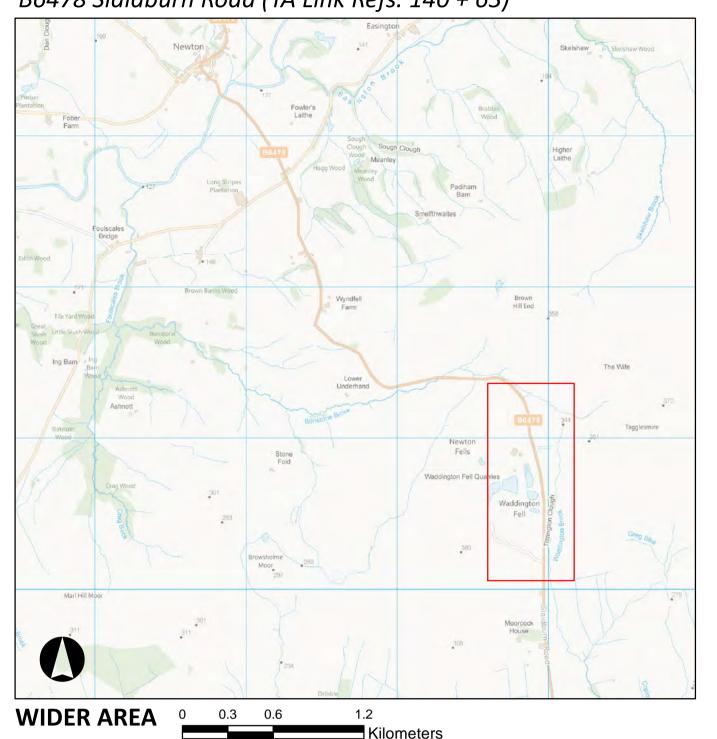


HGV - tractor unit, low loader step trailer to site (Northbound) HGV - 4 axle rigid (rigid/tipper) from site (Southbound)

The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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B6478 Slaidburn Road (TA Link Refs. 140 + 63)





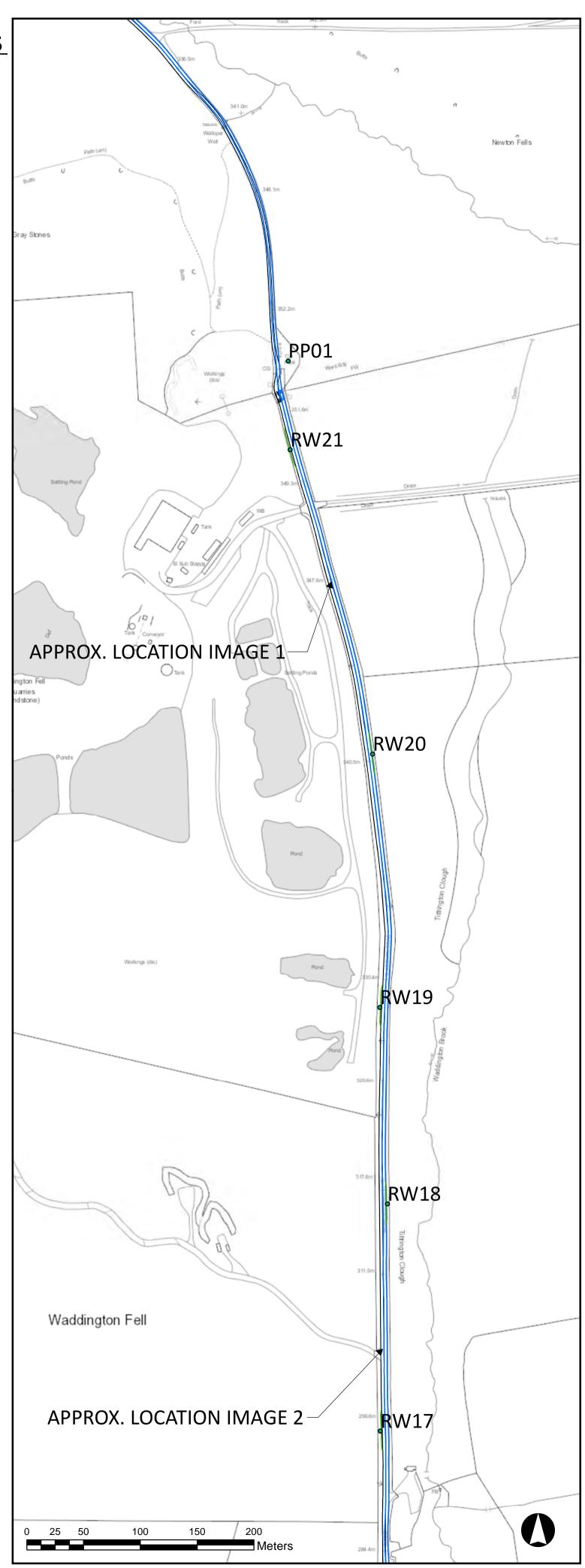
**IMAGE 1: HGV TRIAL 11th NOVEMBER 2020** 4 AXLE RIGID TIPPER HALLGATE HILL (SOUTHBOUND) TYPICAL OBSERVED LANE DISCIPLINE



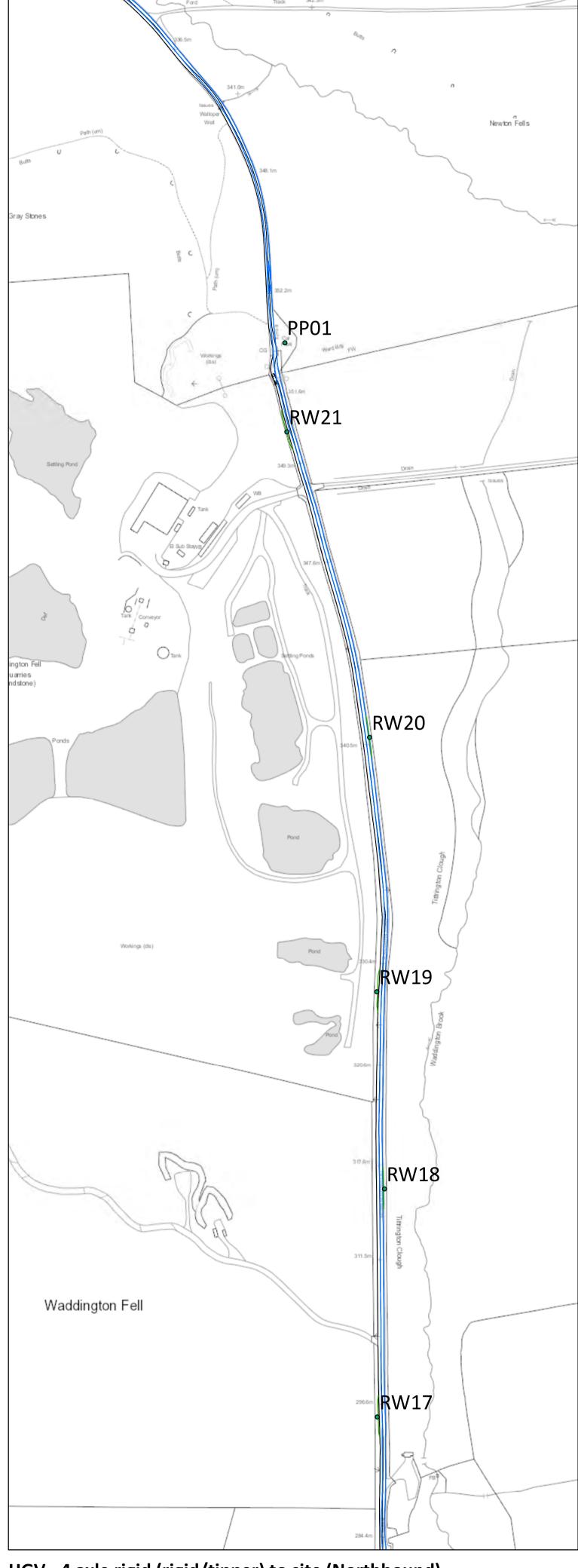
**IMAGE 2: HGV TRIAL 11th NOVEMBER 2020** 4 AXLE RIGID TIPPER SLAIDBURN ROAD (SOUTHBOUND) TYPICAL OBSERVED LANE DISCIPLINE

## Legend

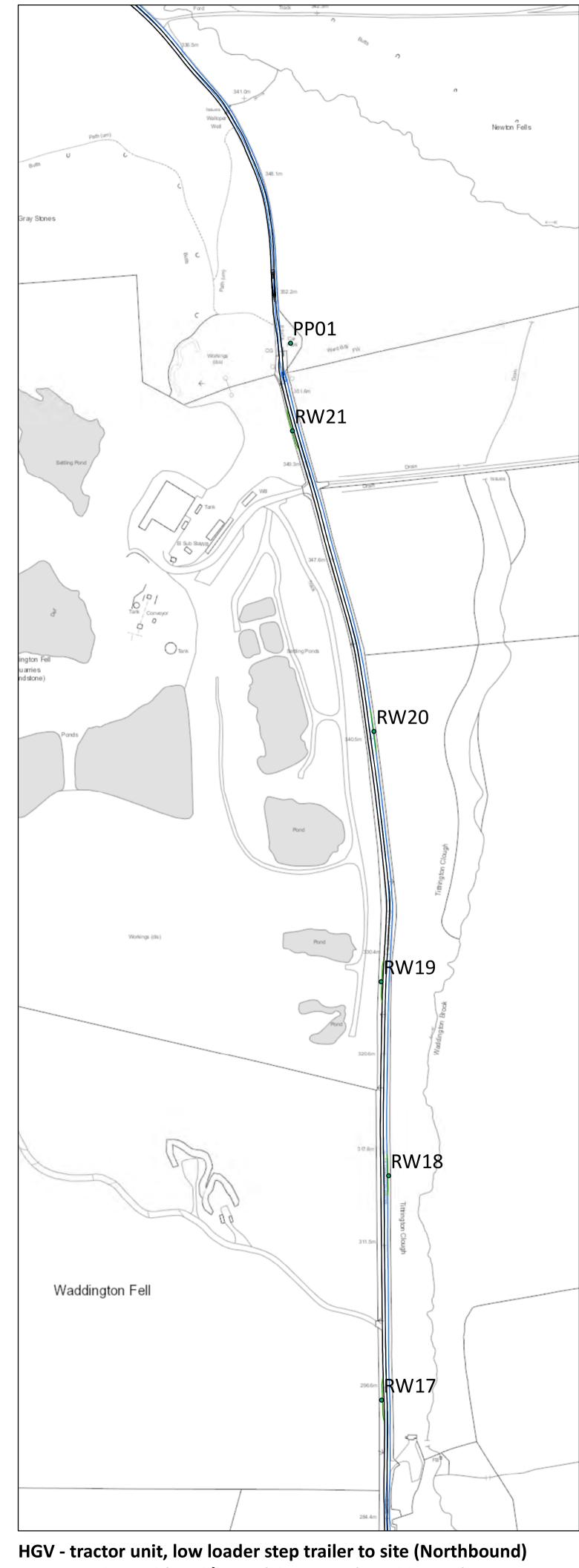
- Road Modification Reference
- Proposed Road Modification



**HGV - 4 axle rigid (rigid/tipper) to site (Northbound) HGV - 4 axle rigid (rigid/tipper) from site (Southbound)** 

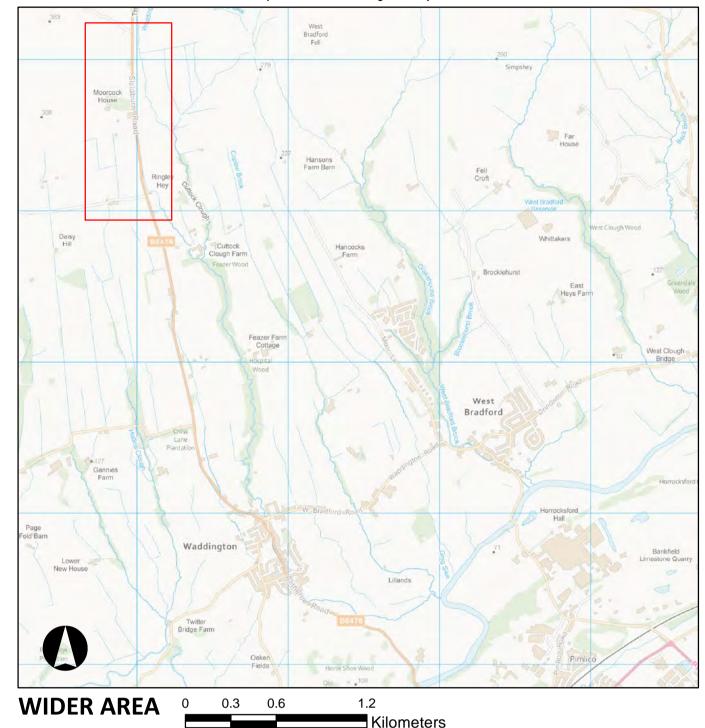


HGV - 4 axle rigid (rigid/tipper) to site (Northbound) **HGV** - tractor unit, low loader step trailer from site (Southbound)



**HGV** - 4 axle rigid (rigid/tipper) from site (Southbound)

B6478 Slaidburn Road (TA Link Ref. 63)





**IMAGE 1: HGV TRIAL 11th NOVEMBER 2020** 4 AXLE RIGID TIPPER SLAIDBURN RD (SOUTHBOUND) TYPICAL OBSERVED LANE DISCIPLINE

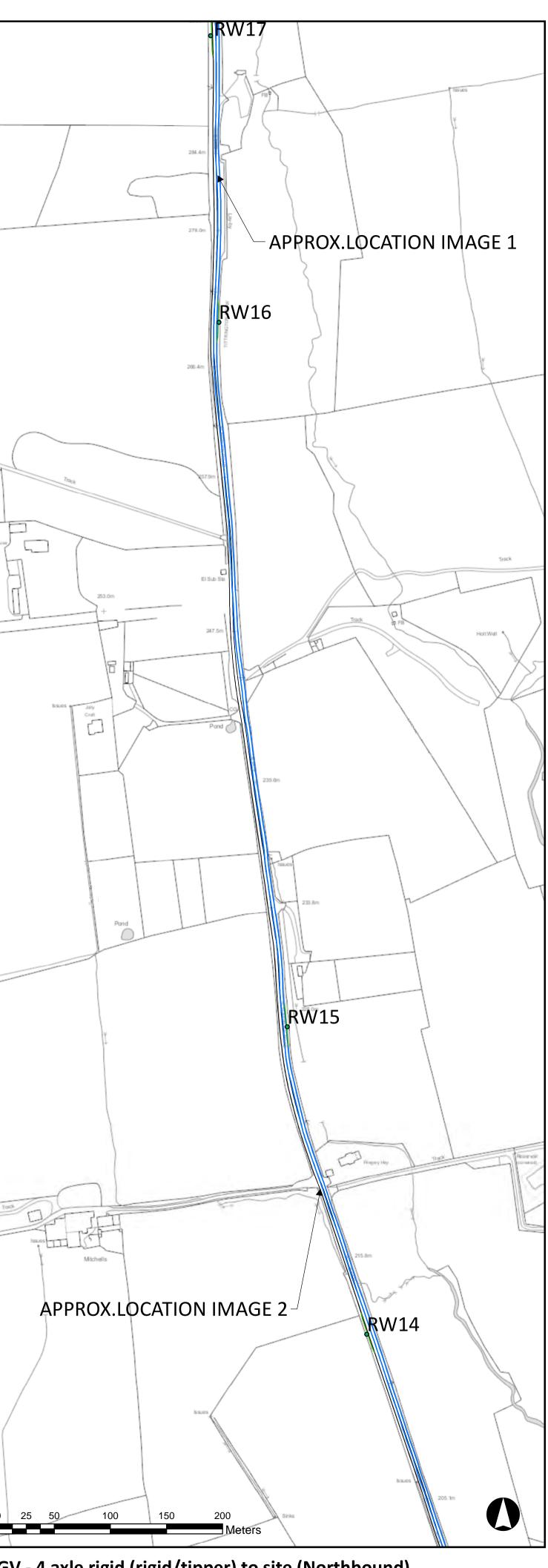


**IMAGE 2: HGV TRIAL 11th NOVEMBER 2020** 4 AXLE RIGID TIPPER SLAIDBURN ROAD (SOUTHBOUND) TYPICAL OBSERVED LANE DISCIPLINE

## Legend

Road Modification Reference

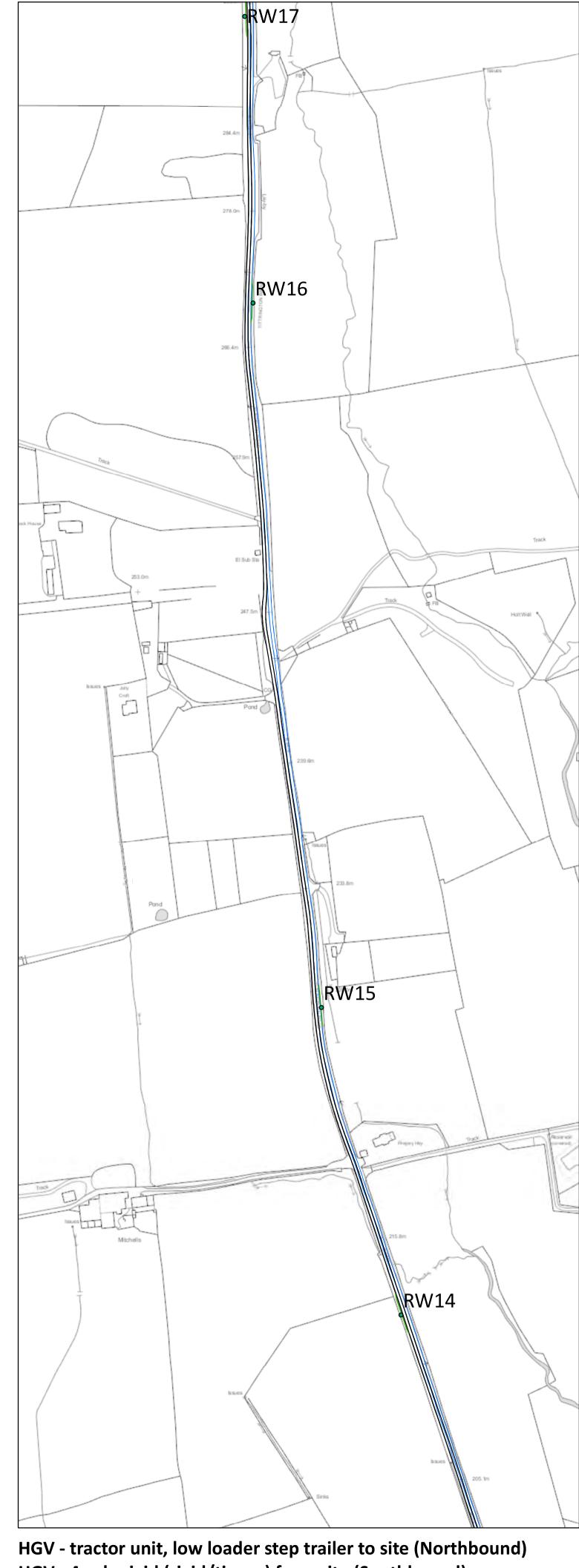
Proposed Road Modification



**HGV - 4 axle rigid (rigid/tipper) to site (Northbound) HGV - 4 axle rigid (rigid/tipper) from site (Southbound)** 

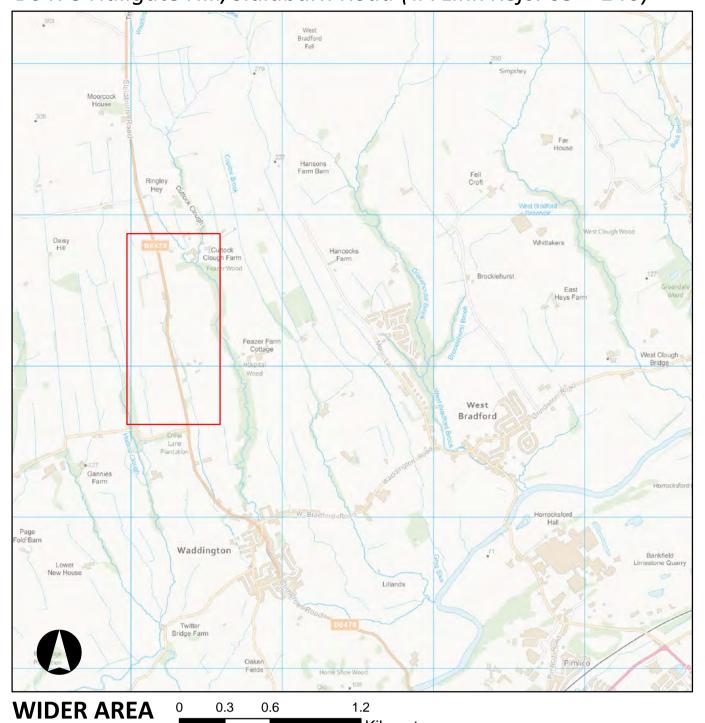


HGV - 4 axle rigid (rigid/tipper) to site (Northbound) **HGV** - tractor unit, low loader step trailer from site (Southbound)



**HGV - 4 axle rigid (rigid/tipper) from site (Southbound)** 

B6478 Hallgate Hill/Slaidburn Road (TA Link Refs. 65 + 140)





**IMAGE 1: HGV TRIAL 11th NOVEMBER 2020** 4 AXLE RIGID TIPPER SLAIDBURN RD (SOUTHBOUND) TYIPCAL OBSERVERED LANE DISCIPLINE

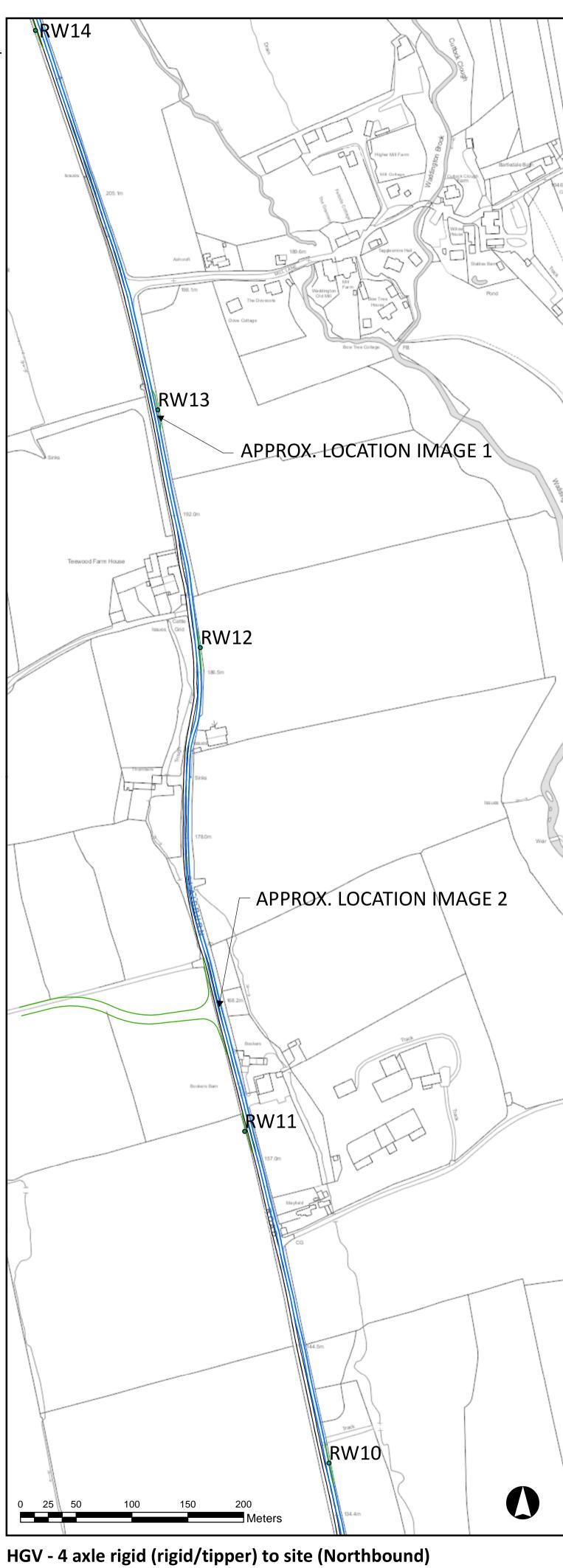


**IMAGE 2: HGV TRIAL 11th NOVEMBER 2020** 4 AXLE RIGID TIPPER SLAIDBURN ROAD (SOUTHBOUND) **LEAVES LANE TO AVOID HEDGEROW** 

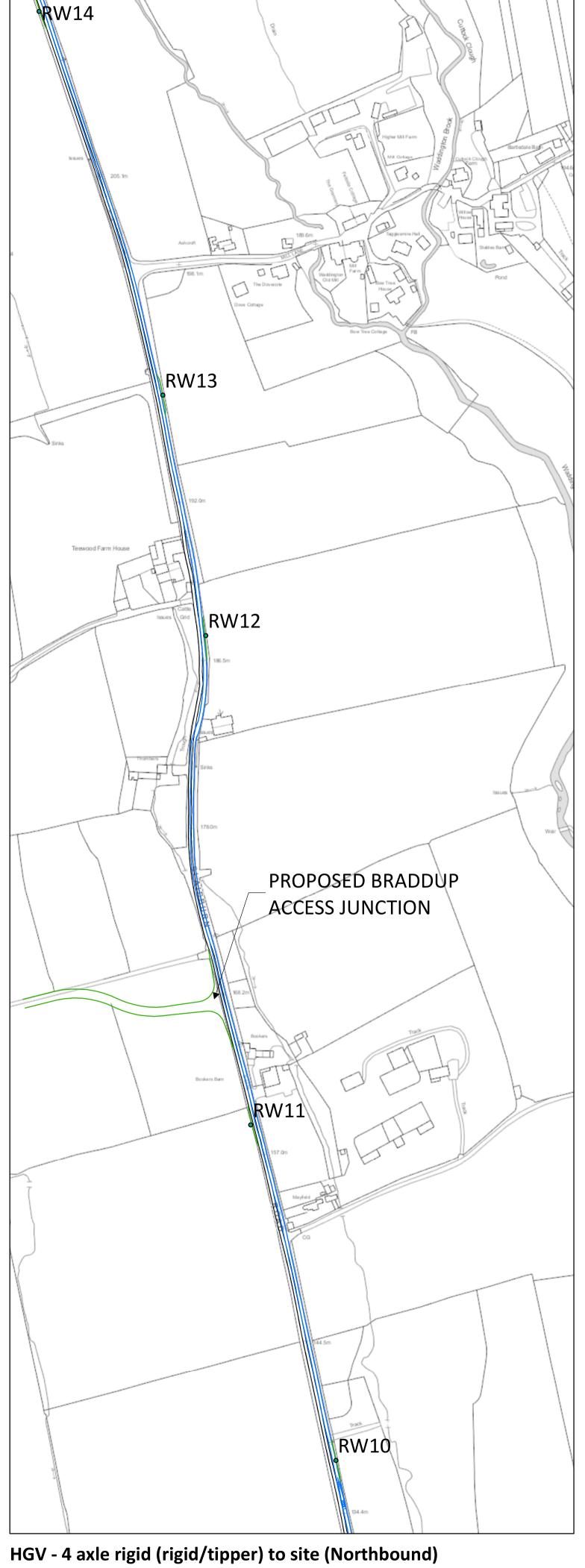
# Legend

Road Modification Reference

Proposed Road Modification



**HGV - 4 axle rigid (rigid/tipper) from site (Southbound)** 



**HGV** - tractor unit, low loader step trailer from site (Southbound)



**HGV** - 4 axle rigid (rigid/tipper) from site (Southbound)

B6478 Slaidburn Road - The Square Waddington (TA Link Res. 61) RW10

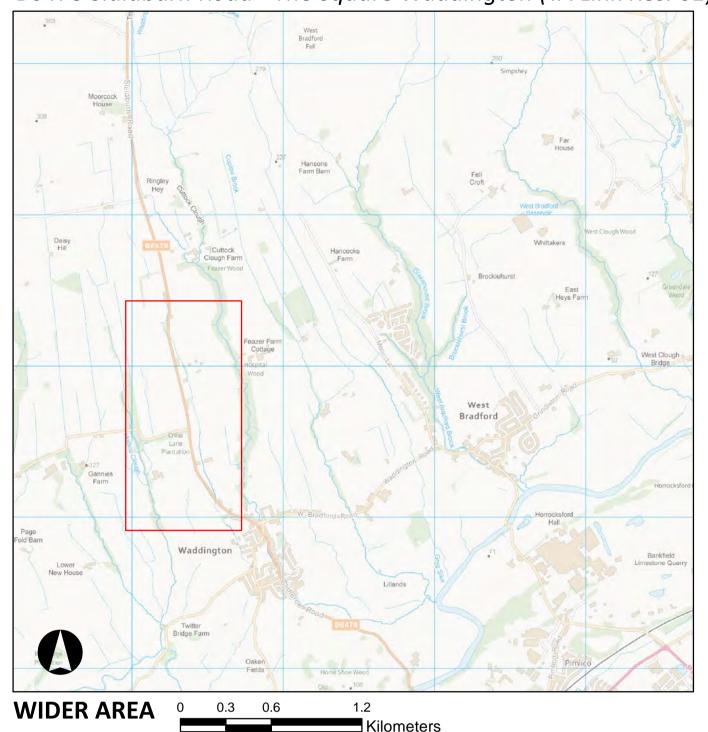




IMAGE 1: HGV TRIAL 11th NOVEMBER 2020 4 AXLE RIGID TIPPER SLAIDBURN RD (SOUTHBOUND) TYPICAL OBSERVED LANE DISCIPLINE

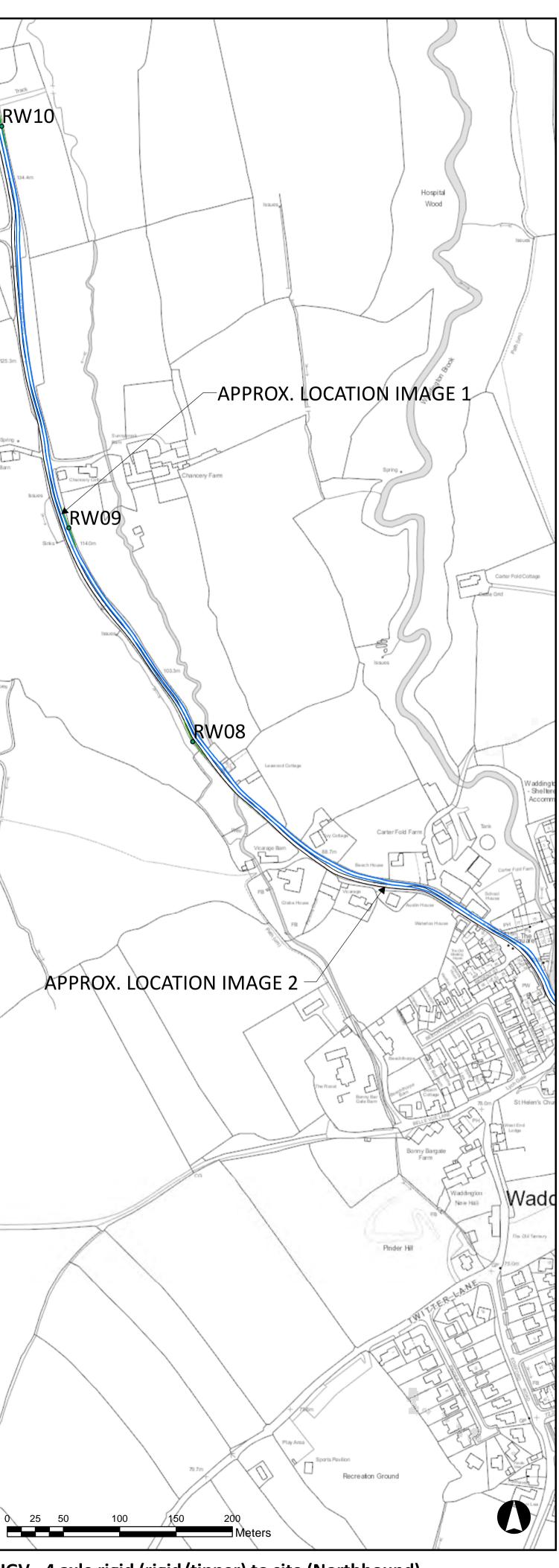


IMAGE 2: HGV TRIAL 11th NOVEMBER 2020 4 AXLE RIGID TIPPER THE SQUARE WADDINGTON (SOUTHBOUND) TURNING ONTO WEST BRADFORD RD

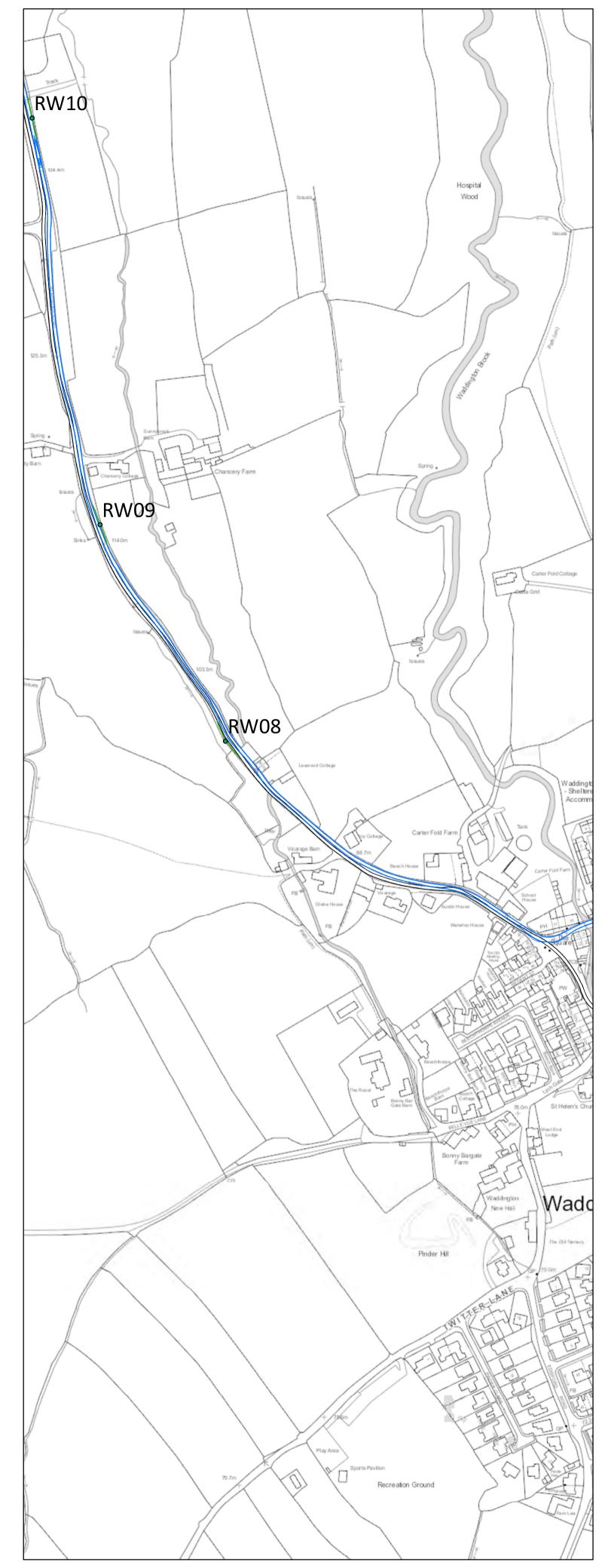
## Legend

• Road Modification Reference

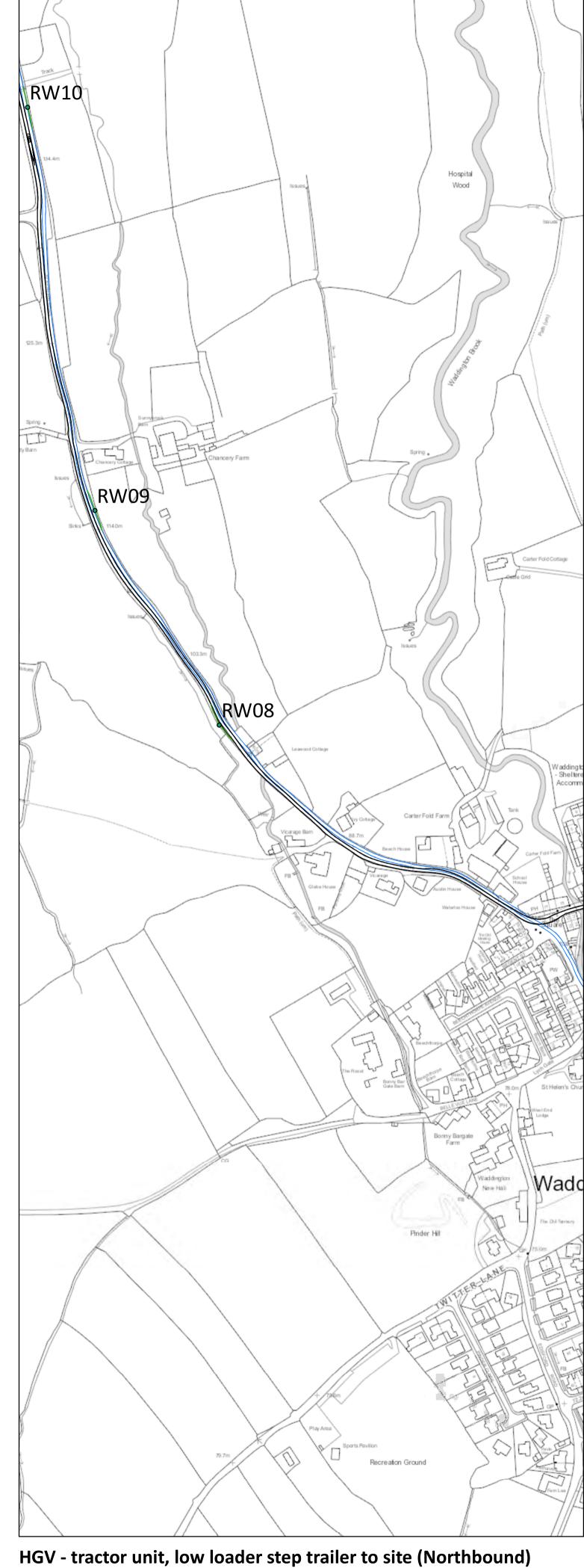
— Proposed Road Modification



HGV - 4 axle rigid (rigid/tipper) to site (Northbound)HGV - 4 axle rigid (rigid/tipper) from site (Southbound)

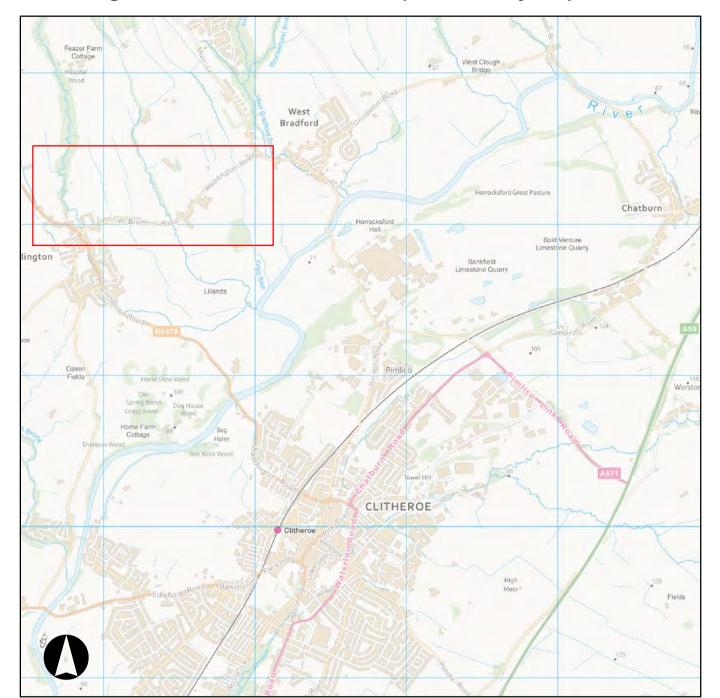


HGV - 4 axle rigid (rigid/tipper) to site (Northbound)
HGV - tractor unit, low loader step trailer from site (Southbound)



HGV - tractor unit, low loader step trailer to site (Northbound HGV - 4 axle rigid (rigid/tipper) from site (Southbound)

Waddington - West Bradord Road (TA Link Ref. 60)



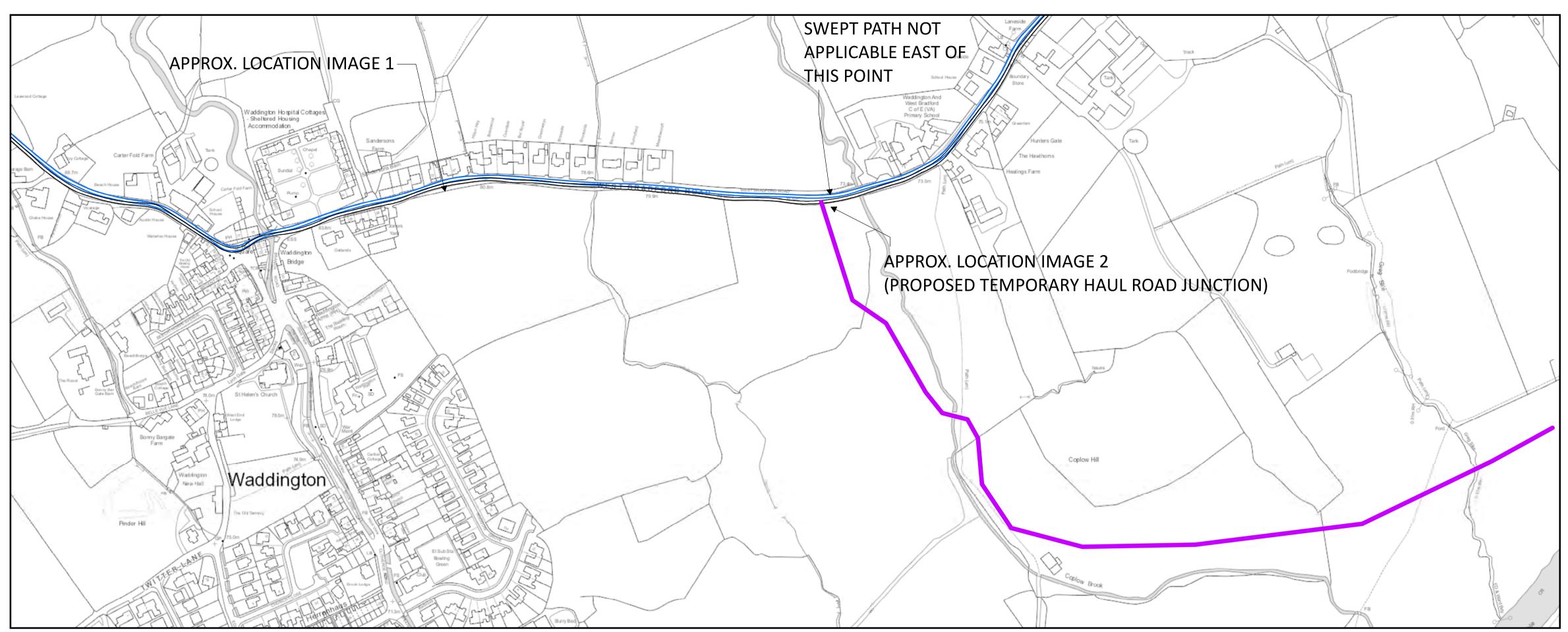
WIDER AREA 0 0.3 0.6 1.2 Kilometers



IMAGE 1: HGV TRIAL 11th NOVEMBER 2020 4 AXLE RIGID WEST BRADFORD RD (SOUTHBOUND) LEAVES LANE TO PASS PARKED CARS

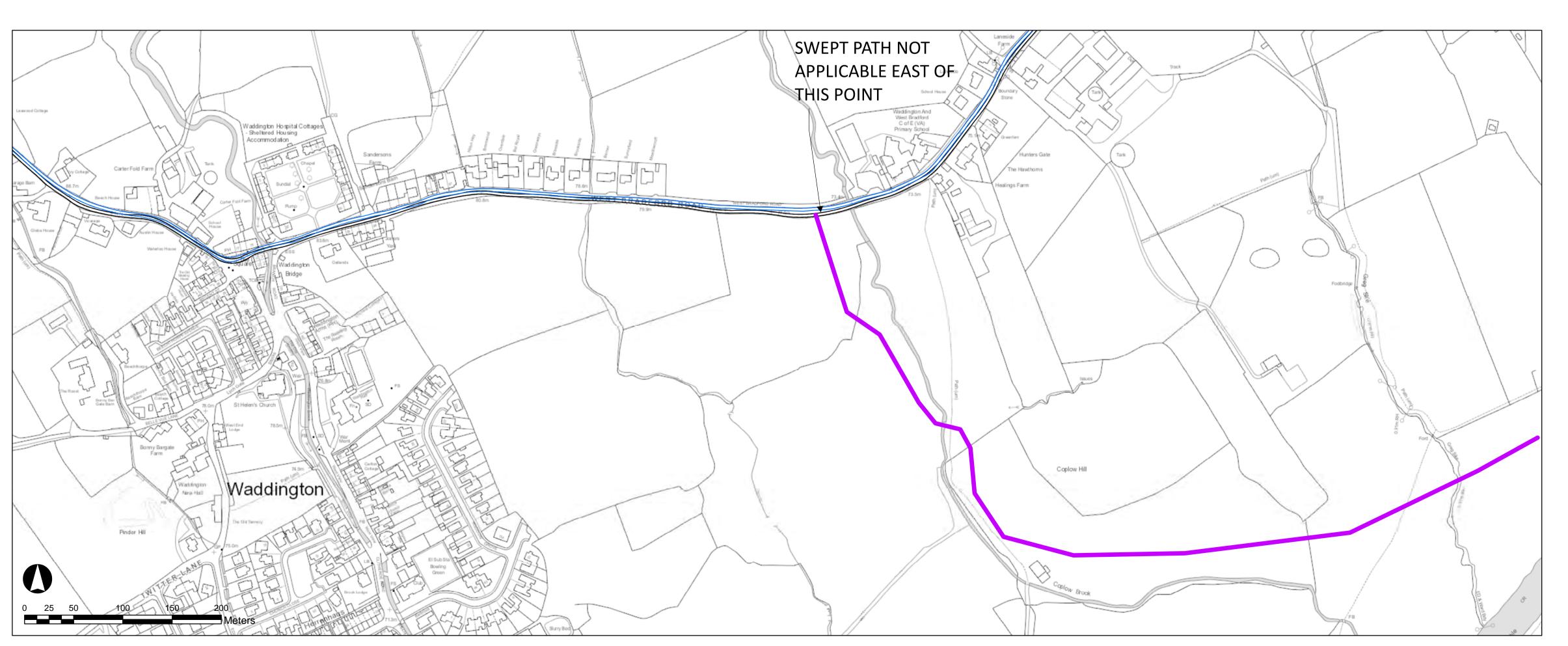


IMAGE 2: PROPOSED JUNCTION LOCATION
VIEW TOWARDS
WADDINGTON & W. BRADFORD PRIMARY SCHOOL



**HGV** - tractor unit, 40' artic to site (Northbound)

**HGV** - tractor unit, low loader step trailer from site (Southbound)



**HGV** - tractor unit, low loader step trailer to site (Northbound)

**HGV** - tractor unit, 40' artic from site (Southbound)