

Appendix B2 – Proposed Haul Road Junctions and Other Highways Measures

Figure B-2-01: Proposed Junction Swept Path - Braddup Junction (MNA_B-2-01)

Figure B-2-02: Proposed Marl Hill Section – Braddup Compound Access Design - B27070CQ-JAC-XX-DR-C-TR4_VS-1008 (MNA_B-2-02_ B27070CQ-JAC-XX-DR-C-TR4_VS-1008)

Figure B-2-03: Proposed Braddup Junction Daily HGV Movements (MNA_B-2-03)

Figure B-2-05: Proposed Marl Hill Section – Bonstone Compound Access Junction with B6478 Access Design - B27070CQ-JAC-XX-DR-C-TR4_VS-1007 (MNA_B-2-05_ B27070CQ-JAC-XX-DR-C-TR4_VS-1007)

Figure B-2-06: Proposed Bonstone Junction Daily HGV Movements (MNA_B-2-06)

Figure B-2-07: Proposed Bowland Section – Temporary Haul Road Hallgate Hill Junction – Vehicle Tracking – Three Axle Loader (FH16 Assumption) - B27070CQ-JAC-XX-DR-C-TR3_VT-1124 (MNA_B-2-07_ B27070CQ-JAC-XX-DR-C-TR3_VT-1124)

Figure B-2-08: Proposed Bowland Section – Temporary Haul Road – Hallgate Hill Access Design - B27070CQ-JAC-XX-DR-C-TR3_VS-1006 (MNA_B-2-08_ B27070CQ-JAC-XX-DR-C-TR3_VS-1006)

Figure B-2-09: Proposed Junction Access Design - Hallgate Hill Junction - Proximity to Tree (MNA_B-2-09)

Figure B-2-10: Proposed Hallgate Hill Junction Daily HGV Movements (MNA_B-2-10)

Figure B-2-11: Proposed Bowland Section – Newton-in-Bowland Compound – Vehicle across Junction (staggered) – Standard Vehicle Tracking - B27070CQ-JAC-XX-DR-C-TR3_VT-1108 (MNA_B-2-11_ B27070CQ-JAC-XX-DR-C-TR3_VT-1108)

Figure B-2-12: Proposed Bowland Section – Newton-Bowland Compound – Access Design - B27070CQ-JAC-XX-DR-C-TR3_VS-1002 (MNA_B-2-12_ B27070CQ-JAC-XX-DR-C-TR3_VS-1002)

Figure B-2-13: Proposed Bowland Section – Newton-in-Bowland Compound South – Access Design - B27070CQ-JAC-XX-DR-C-TR3_VS-1003 (MNA_B-2-13_ B27070CQ-JAC-XX-DR-C-TR3_VS-1003)

Figure B-2-14: Proposed Newton Road Junction Daily HGV Movements (MNA_B-2-14)

Figure B-2-16: Proposed Speed Limits (MNA_B-2-16)

Figure B-2-17: River Ribble Haul Road – Access Design – Before River Ribble (A59, Pimlico Link Rd, West Bradford Rd) – Vehicle Tracking – Three axle low loader B27070CQ-JAC-XX-DR-C-TR4_VT-1130 (MNA_B-2-17_ B27070CQ-JAC-XX-DR-C-TR4_VT-1130)

Figure B-2-18: River Ribble Haul Rd – Access Design – After River Ribble (West Bradford Rd, Waddington Village, Slaidburn Rd) – Vehicle Tracking – Three axle low loader B27070CQ-JAC-XX-DR-C-TR4_VT-1132 (MNA_B-2-18_ B27070CQ-JAC-XX-DR-C-TR4_VT-1132)

Figure B-2-19: River Ribble Haul Rd – Access Design – Before River Ribble A59, Pimlico Link Road, West Bradford B27070CQ-JAC-XX-DR-C-TR4_VS-1010 (MNA_B-2-19_ B27070CQ-JAC-XX-DR-C-TR4_VS-1010)

Figure B-2-20: River Ribble Haul Road – Access Design – After River Ribble West Bradford Rd, Waddington Village, Slaidburn Rd B27070CQ-JAC-XX-DR-C-TR4_VS-1011 (MNA_B-2-20_ B27070CQ-JAC-XX-DR-C-TR4_VS-1011)

Figure B-2-21: River Ribble Haul Road – West Bradford Rd before River Ribble – General Arrangement B27070CQ-JAC-XX-DR-C-TR4_GA-1212 (MNA_B-2-21_ B27070CQ-JAC-XX-DR-C-TR4_GA-1212)

Figure B-2-22: River Ribble Haul Road – West Bradford Rd Going towards Waddington – General Arrangement B27070CQ-JAC-XX-DR-C-TR4_GA-1213 (MNA_B-2-22_B27070CQ-JAC-XX-DR-C-TR4_GA-1213)

Figure B-2-23: B27070CQ-JAC-XX-DR-C-TR3_GA-1202 Proposed Junction - Newton Road Signage & gateway markings

Figure B-2-24: B27070CQ-JAC-XX-DR-C-TR3_GA-1203 Proposed Junction - Newton Road Signage & gateway markings

Figure B-2-25: Proposed Bowland Section Braddup, Bonstone and Newton Compounds – Mitigation Measures – Waddington - West Bradford Rd to Slaidburn Rd - B27070CQ-JAC-XX-DR-C-TR4_WV-1106 (MNA_B-2-25_B27070CQ-JAC-XX-DR-C-TR4_WV-1106)

Figure B-2-26: Proposed Bowland Section Braddup, Bonstone and Newton Compounds – Mitigation Measures – Waddington - West Bradford Rd to Slaidburn Rd - B27070CQ-JAC-XX-DR-C-TR4_WV-1104 (MNA-B-2-26_B27070CQ-JAC-XX-DR-C-TR4_WV-1104)

Figure B-2-27: Proposed Speed Restrictions - Slaidburn Rd to Hallgate Hill Section 1 & 2 - B27070CQ-JAC-XX-DR-C-TR4_GA-1214 (MNA_B-2-27_B27070CQ-JAC-XX-DR-C-TR4_GA-1214)

Figure B-2-28: Proposed Speed Restrictions - Slaidburn Rd to Hallgate Hill Section 3 & 4 - B27070CQ-JAC-XX-DR-C-TR4_GA-1215 (MNA_B-2-29_B27070CQ-JAC-XX-DR-C-TR4_GA-1215)

Figure B-2-29: Proposed Speed Restrictions - Slaidburn Rd to Hallgate Hill Section 5 & 6 - B27070CQ-JAC-XX-DR-C-TR4_GA-1216 (MNA_B-2-29_B27070CQ-JAC-XX-DR-C-TR4_GA-1216)

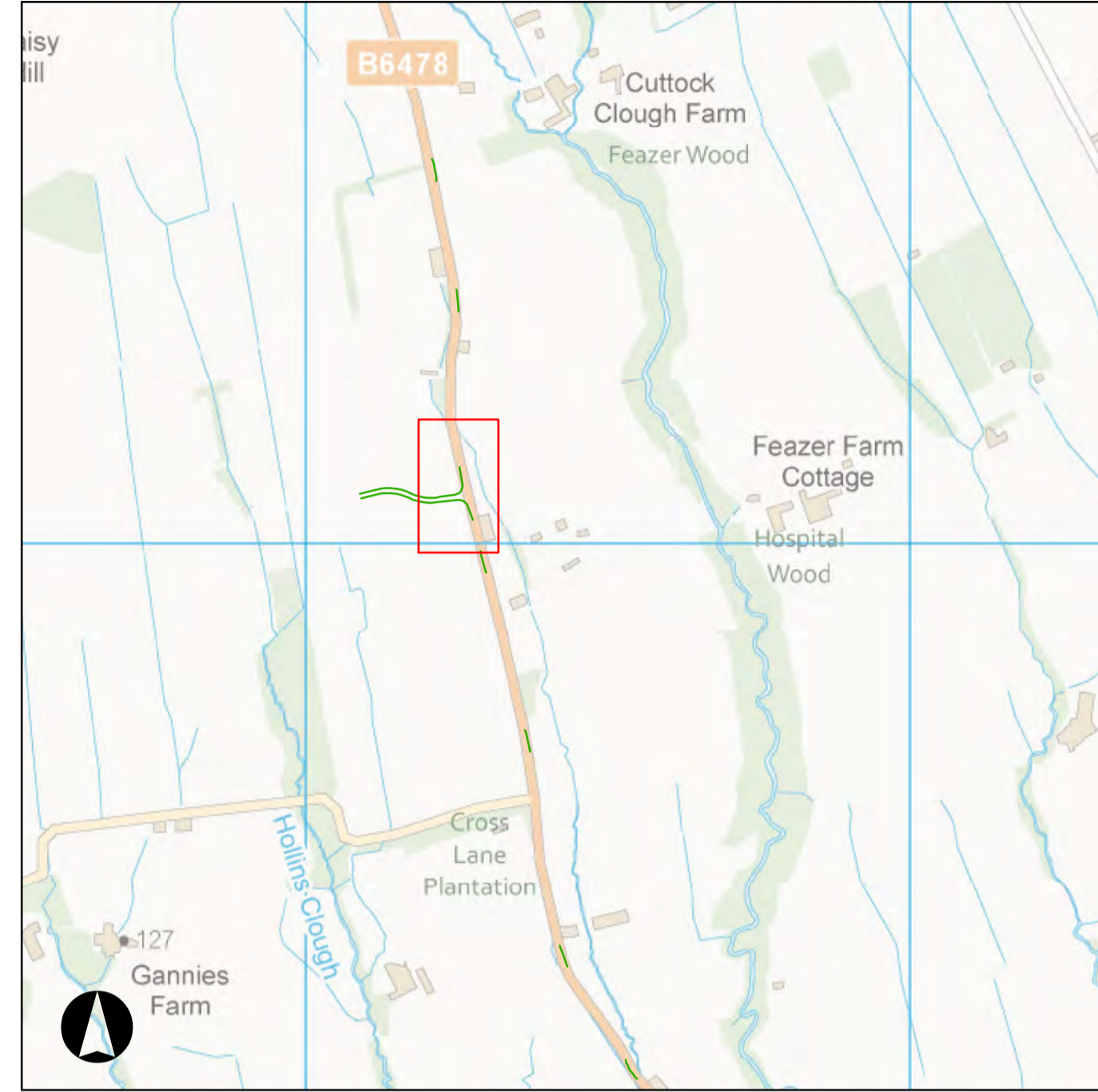
Figure B-2-30: Proposed Speed Restrictions - Slaidburn Rd to Hallgate Hill Section 7 & 8 - B-2-30_B27070CQ-JAC-XX-DR-C-TR4_GA-1217 (MNA_B-2-30_B27070CQ-JAC-XX-DR-C-TR4_GA-1217)

Figure B-2-31: Proposed Speed Restrictions - Slaidburn Rd to Hallgate Hill Section 9 & 10 - B-2-30_B27070CQ-JAC-XX-DR-C-TR4_GA-1218 (MNA_B-2-30_B27070CQ-JAC-XX-DR-C-TR4_GA-1218)

Figure B-2-32: Proposed Speed Restrictions - Slaidburn Rd to Hallgate Hill Section 11 - B-2-30_B27070CQ-JAC-XX-DR-C-TR4_GA-1219 (MNA_B-2-30_B27070CQ-JAC-XX-DR-C-TR4_GA-1219)

**APPENDIX B2 - PROPOSED JUNCTION SWEEP PATHS
JUNCTIONS FIGURE B - 2 - 01**

BRADDUP COMPOUND - B6478 SLAIDBURN ROAD JUNCTION



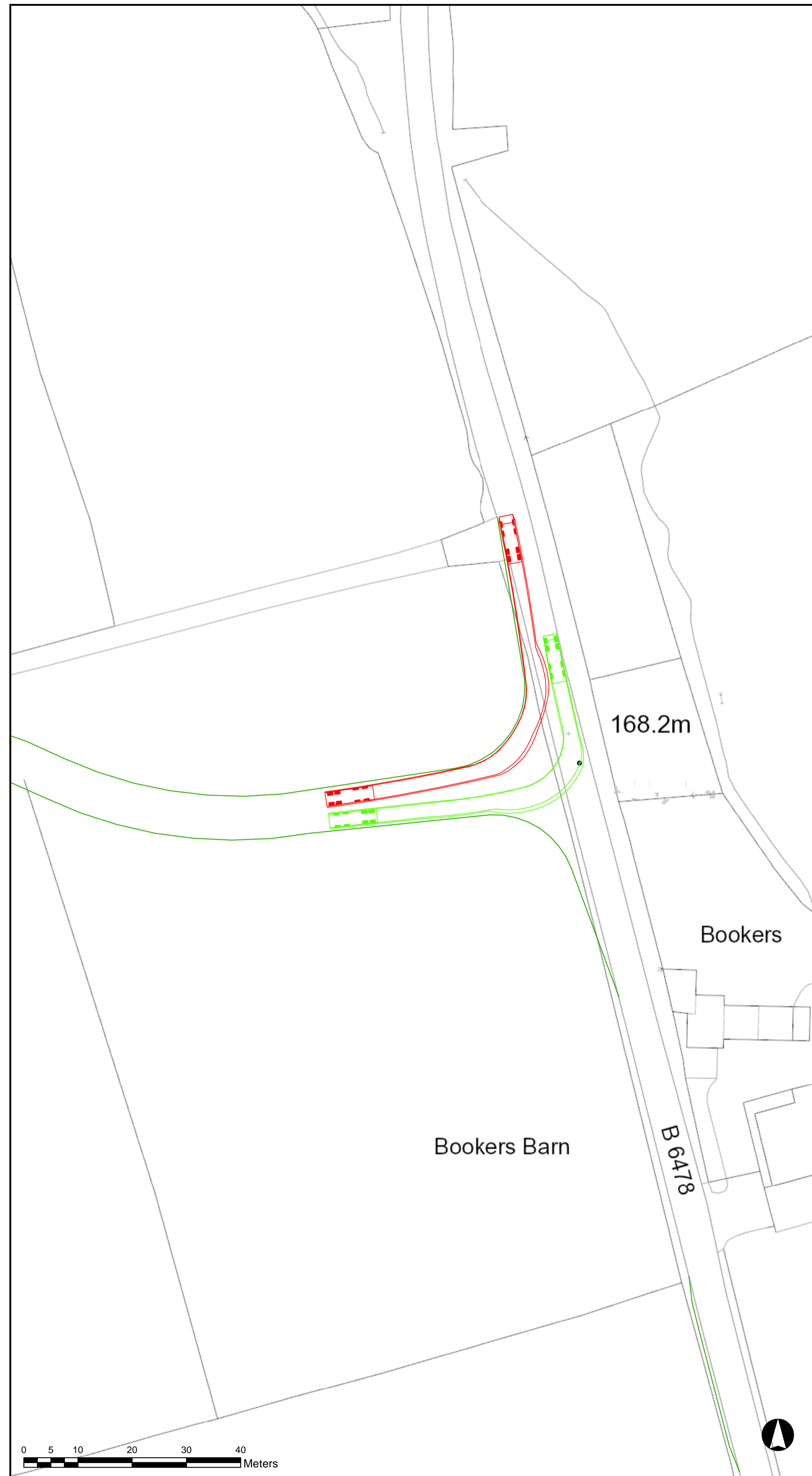
WIDER AREA 0 0.1 0.2 0.4 Kilometers



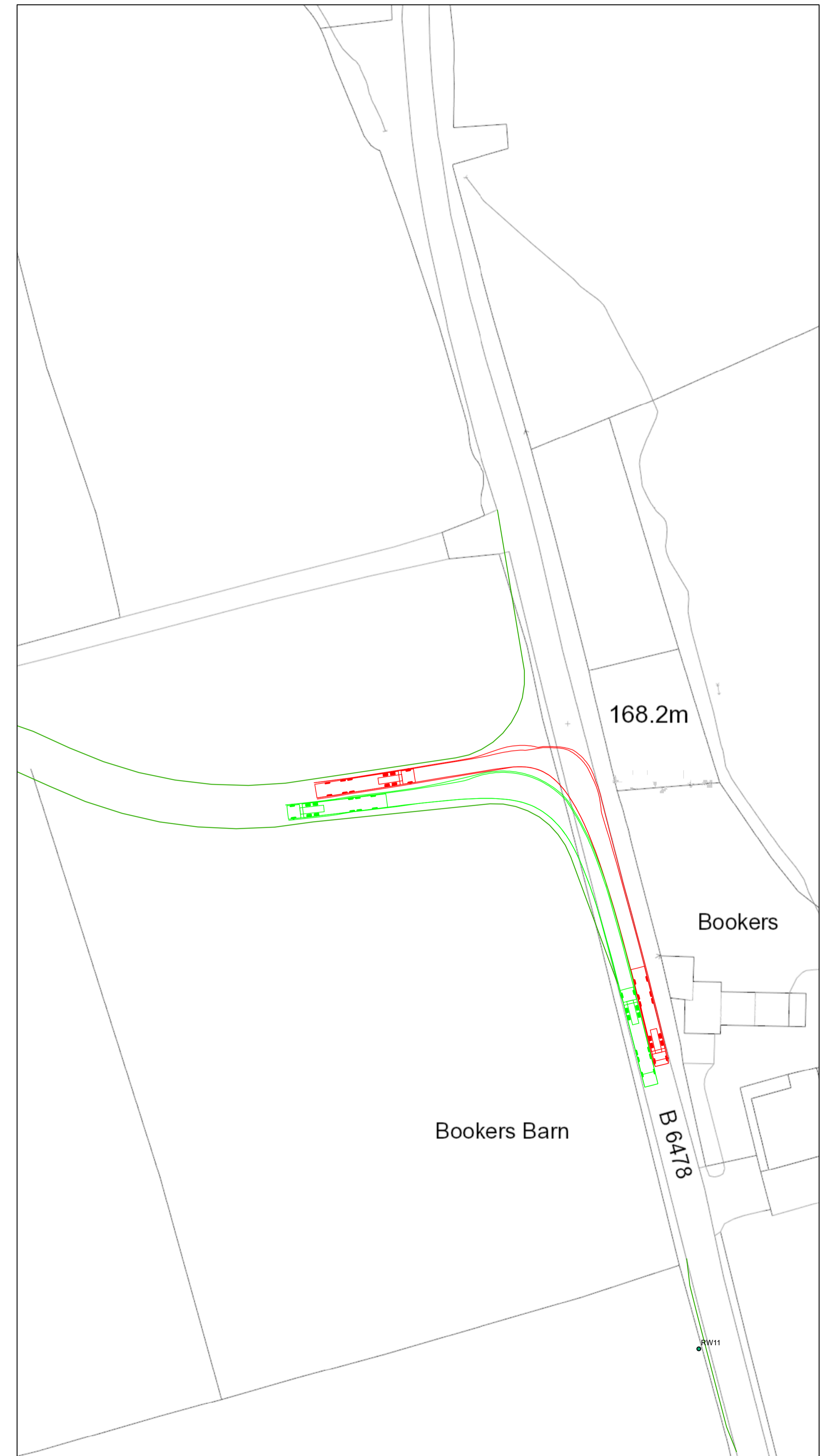
**HGV TRIAL 11th NOVEMBER 2020
4 AXLE RIGID TIPPER FRONT VIEW**



**HGV TRIAL 11th NOVEMBER 2020
4 AXLE RIGID TIPPER REAR VIEW**

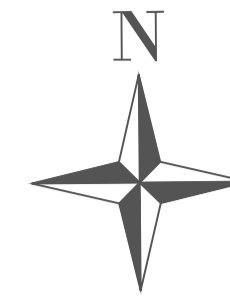
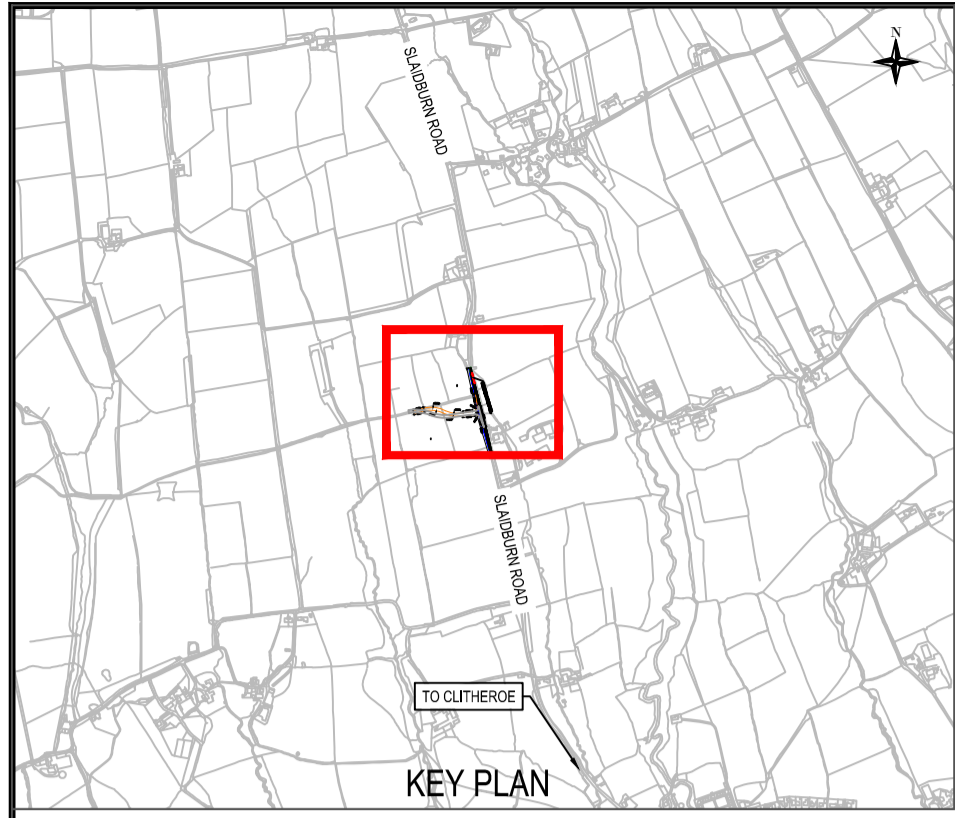


**HGV - 4 axle rigid (rigid/tipper) from site to Quarry (Northbound)
HGV - 4 axle rigid (rigid/tipper) to site from Quarry (Southbound)**

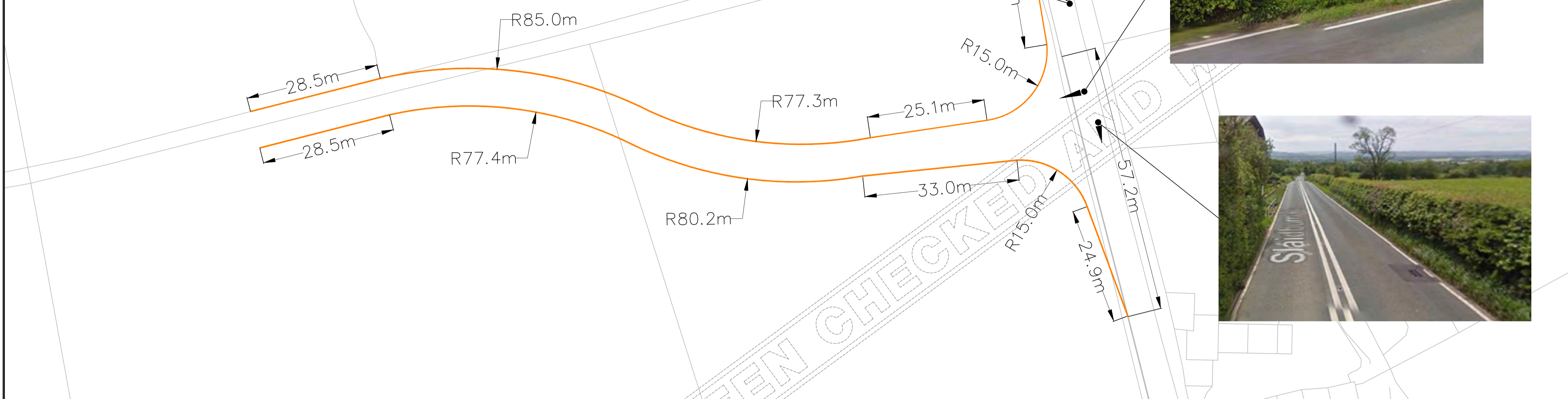


**HGV - 6 axle articulated flat bed to site (Northbound)
HGV - 6 axle articulated flat bed to site from site (Southbound)**

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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- NOTES**
- DO NOT SCALE FROM THIS DRAWING.
 - TAKEN FROM CD 109 (TABLES 2.5 AND 2.10)
- | DESIRED VISIBILITY SPLAY | ACHIEVED VISIBILITY SPLAY |
|--------------------------|---------------------------|
| 4.5m x 215m | 4.5m x 120m |
- | EXISTING SPEED LIMIT | PROPOSED SPEED LIMIT |
|----------------------|----------------------|
| 60 mph | 40 mph |
- 120 METER VISIBILITY SPLAY IS APPLICABLE FROM TABLE 2.10 OF CD 109 DUE TO RESTRICTING FACTORS OF ROAD CURVATURE AND EXISTING VEGETATION. A REDUCED 40 MPH SECTION OF ROAD CAN ACHIEVE ADEQUATE VISIBILITY.
 - VISIBILITY SPLAY (VALUE X) SET BACK 4.5m FROM EDGE OF CARRIAGEWAY

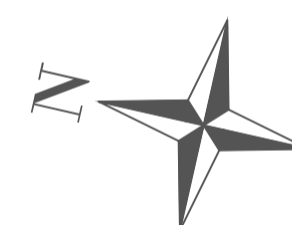
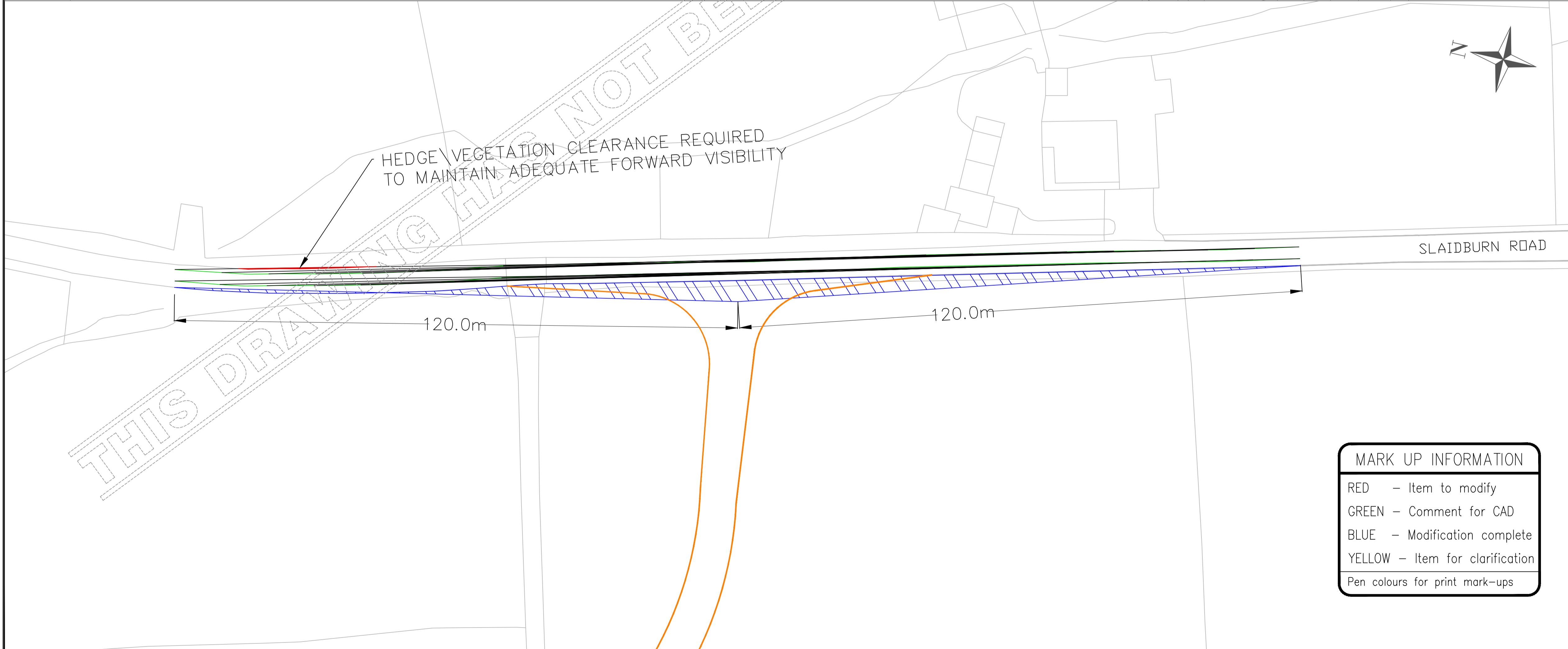


LEGEND

- EXISTING KERB
- PROPOSED KERB
- VISIBILITY SPLAY
- SSD ENVELOPE (120m)
- SSD CLEARANCE

CURRENT ISSUE INFORMATION

P01.4	HS	SP	--	--	--
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SO	WORK IN PROGRESS (WIP)				
SUITABILITY CODE	SUITABILITY DESCRIPTION				



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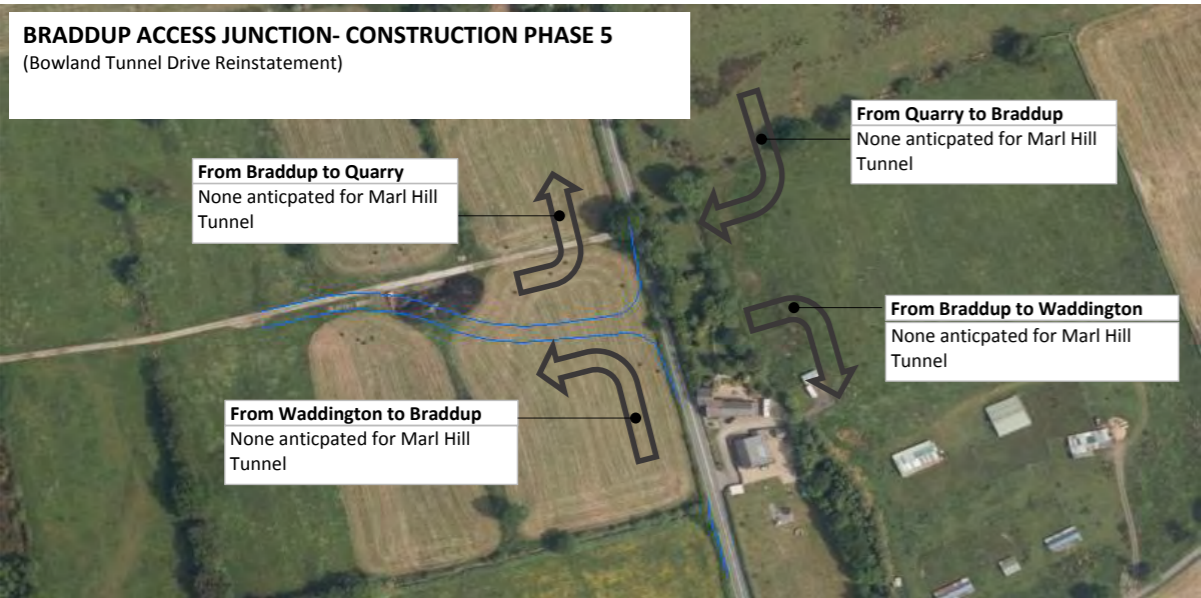
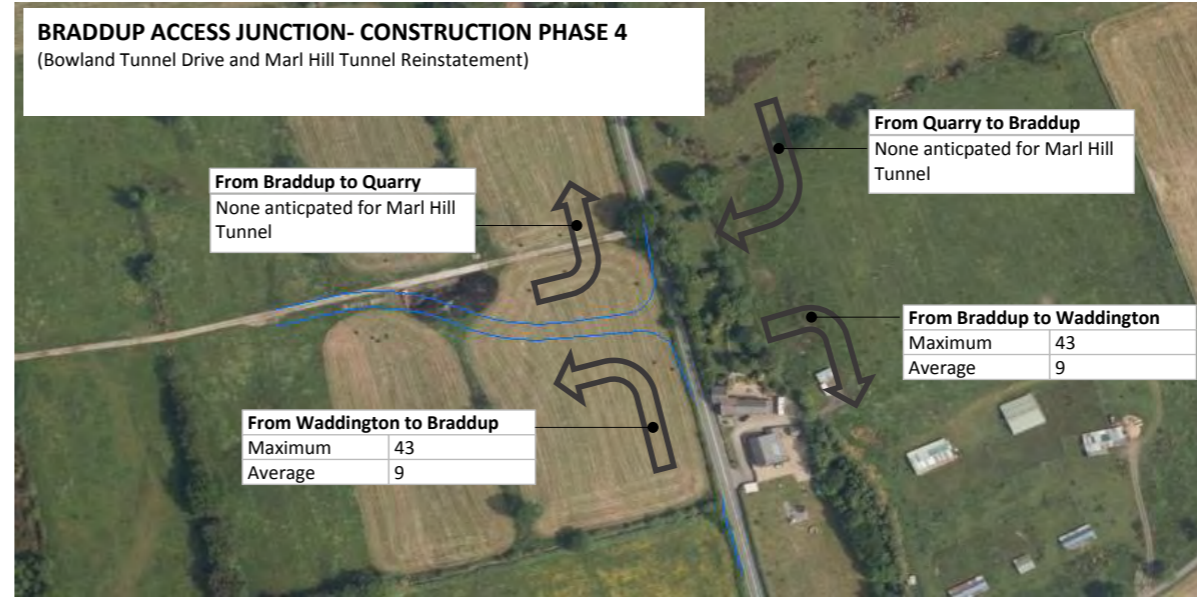
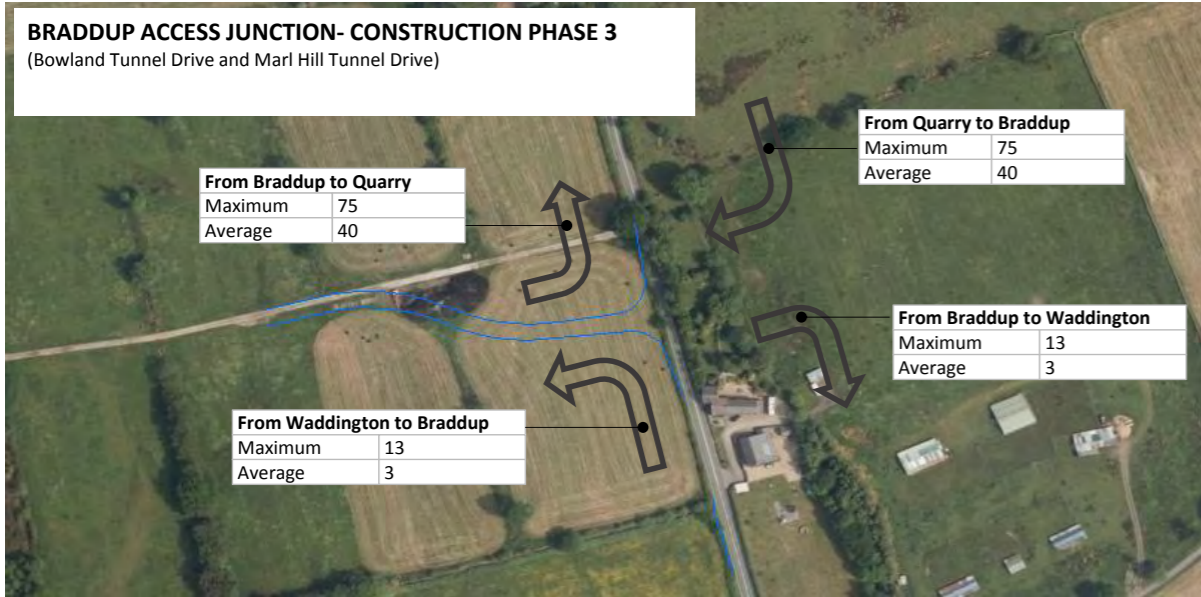
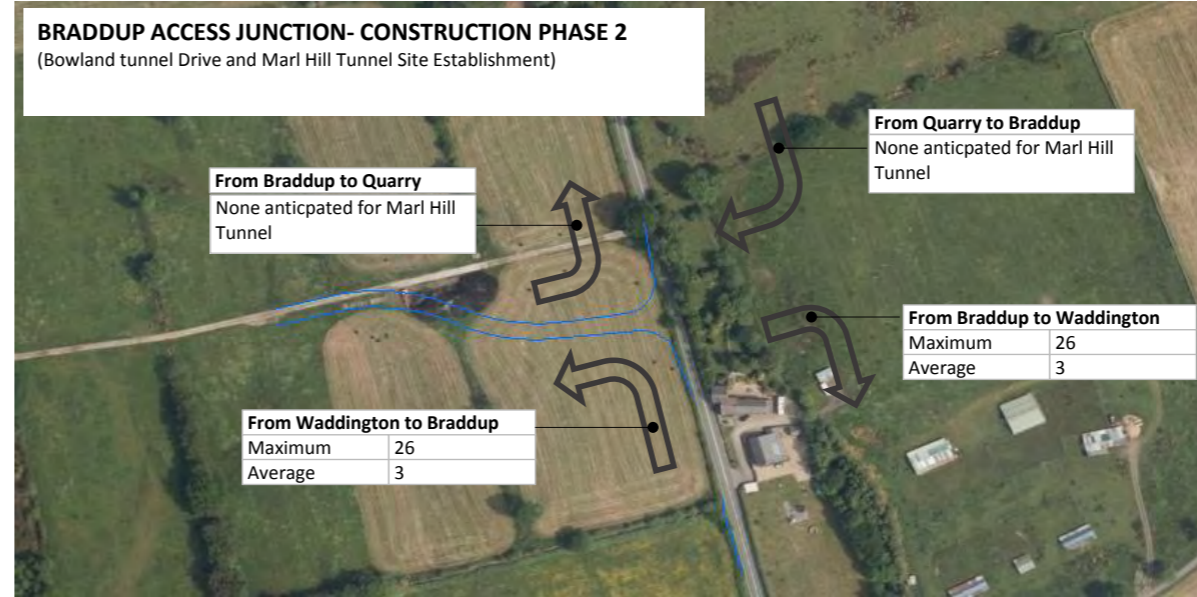
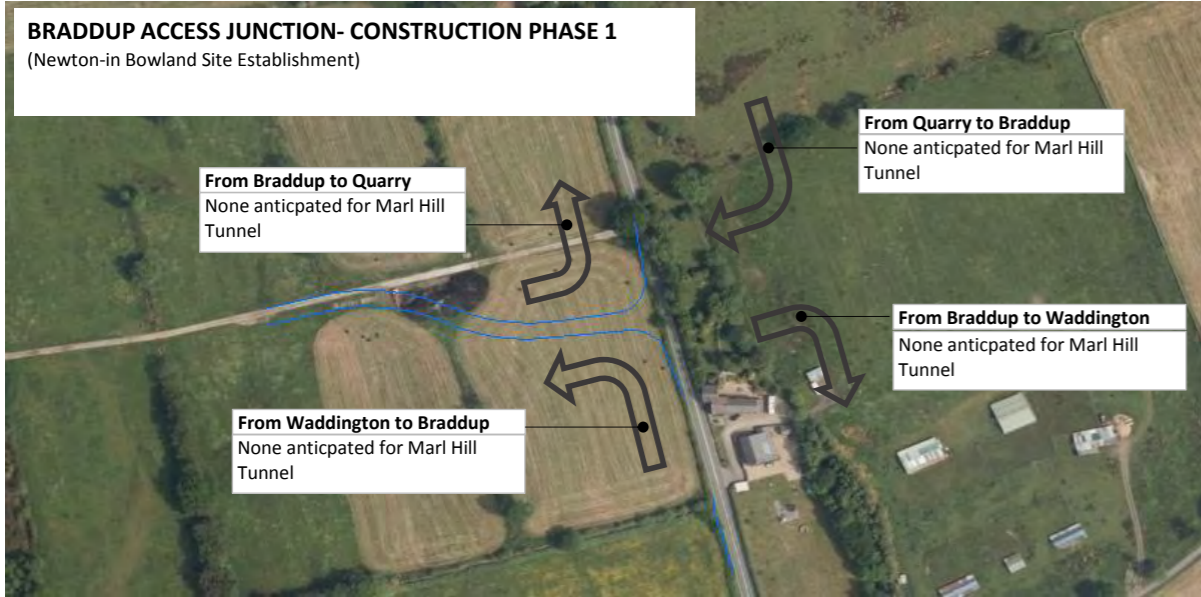
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 GREEN - Comment for CAD
 BLUE - Modification complete
 YELLOW - Item for clarification
 Pen colours for print mark-ups

HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
PROPOSED MARL HILL SECTION - BRADDUP COMPOUND
ACCESS DESIGN

SCALE 1:250 / 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR4_VS-1008	REVISION P01.4

APPENDIX B2 - FIGURE B-2-03

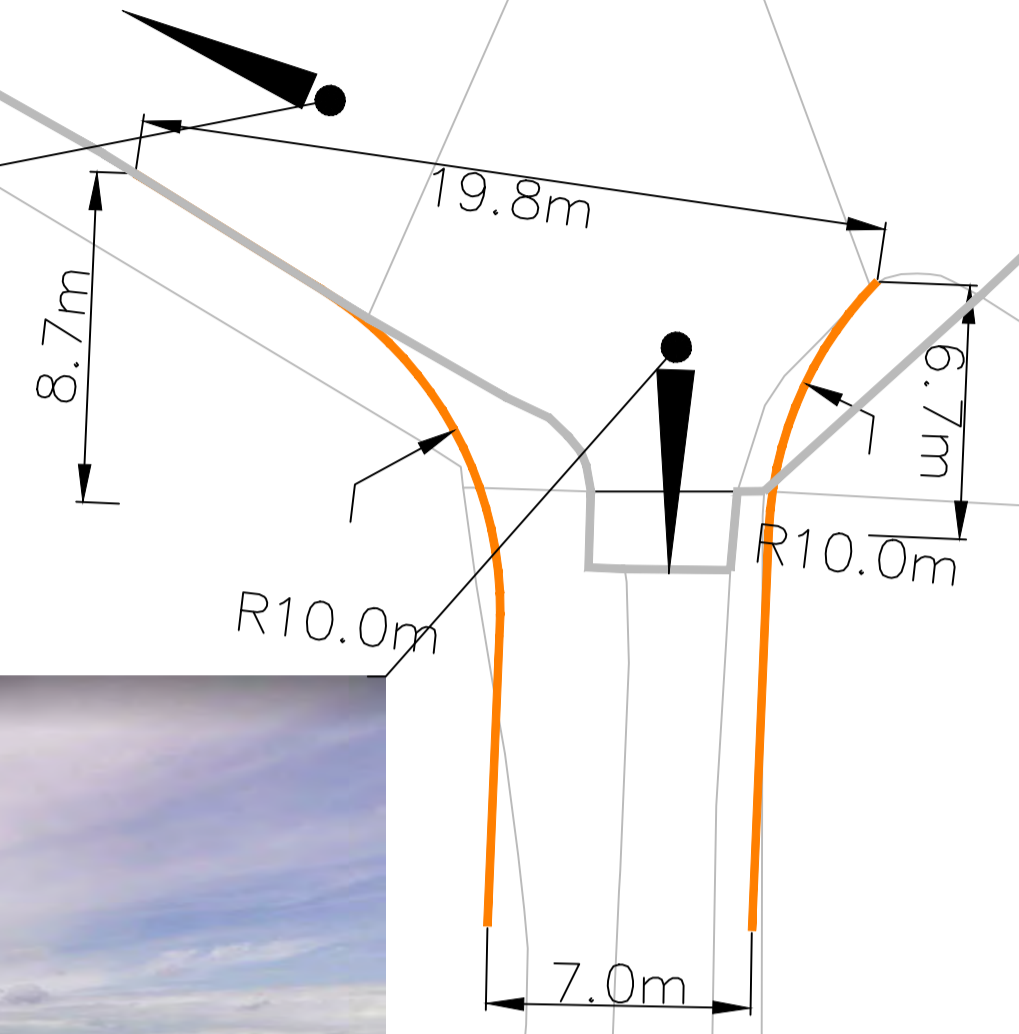
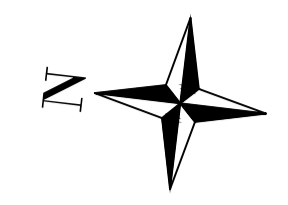
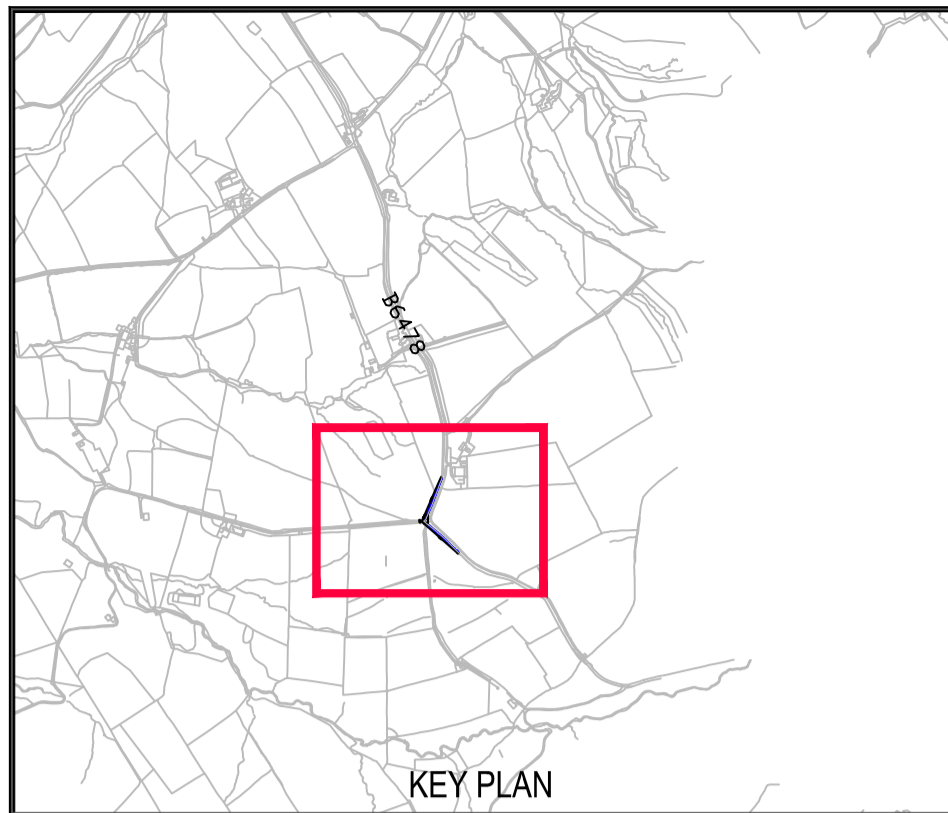
PROPOSED BRADDUP JUNCTION DAILY HGV MOVEMENTS



LEGEND

Average: averaged over 1 year and rounded to the nearest whole number the number of HGV movements per day turning in shown direction

Maximum: the anticipated maximum number of HGV movements on any single day turning in shown direction



- NOTES**
- DO NOT SCALE FROM THIS DRAWING.
 - TAKEN FROM CD 109 (TABLES 2.5 AND 2.10)
- | | |
|--------------------------|---------------------------|
| DESIRED VISIBILITY SPLAY | ACHIEVED VISIBILITY SPLAY |
| 4.5m x 215m | 4.5m x 120m |
| EXISTING SPEED LIMIT | PROPOSED SPEED LIMIT |
| 60 mph | 40 mph |
- 120 METER VISIBILITY SPLAY IS THE DESIRED MINIMUM VISIBILITY SPLAY OF 40 MPH AS SPECIFIED IN TABLE 2.10 OF CD 109. VISIBILITY IS GENEROUS BOTH WAYS DUE TO LACK OF OBSTACLES.
 - VISIBILITY SPLAY (VALUE X) SET BACK 4.5m FROM EDGE OF CARRIAGEWAY

LEGEND

	EXISTING KERB
	PROPOSED KERB
	VISIBILITY SPLAY

CURRENT ISSUE INFORMATION

P01.1	MB	SP	--	--	
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
SO	WORK IN PROGRESS (WIP)				
SUITABILITY CODE	SUITABILITY DESCRIPTION				



HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED MARL HILL SECTION
 BONSTONE COMPOUND ACCESS JUNCTION WITH B6478
 ACCESS DESIGN

MARK UP INFORMATION

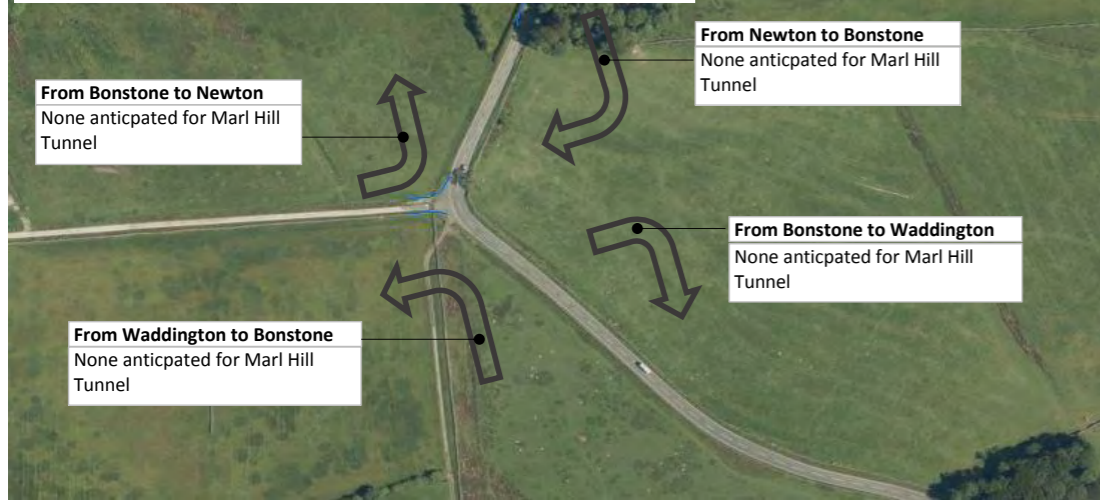
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YELLOW	- Item for clarification
Pen colours for print mark-ups	

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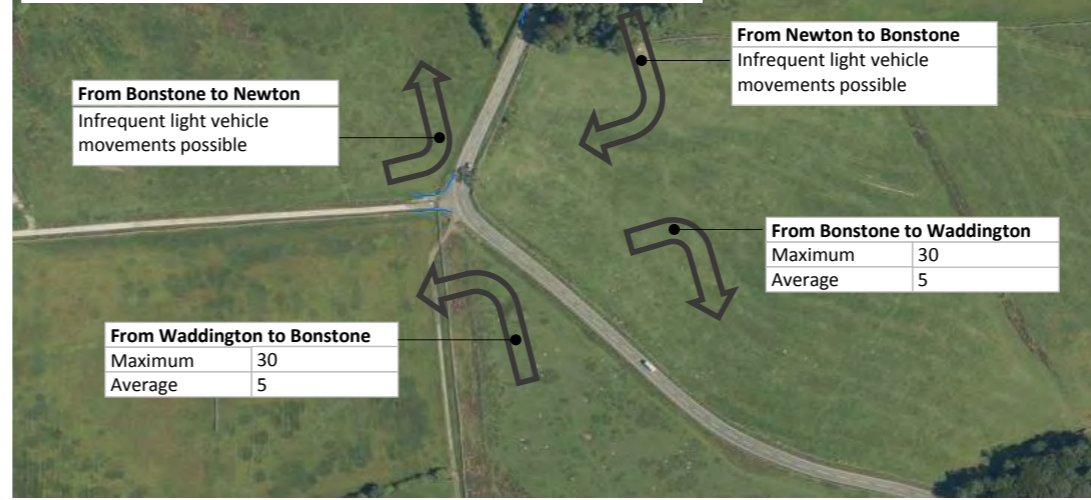
APPENDIX B2 - FIGURE B-2-06

PROPOSED BONSTONE JUNCTION DAILY HGV MOVEMENTS

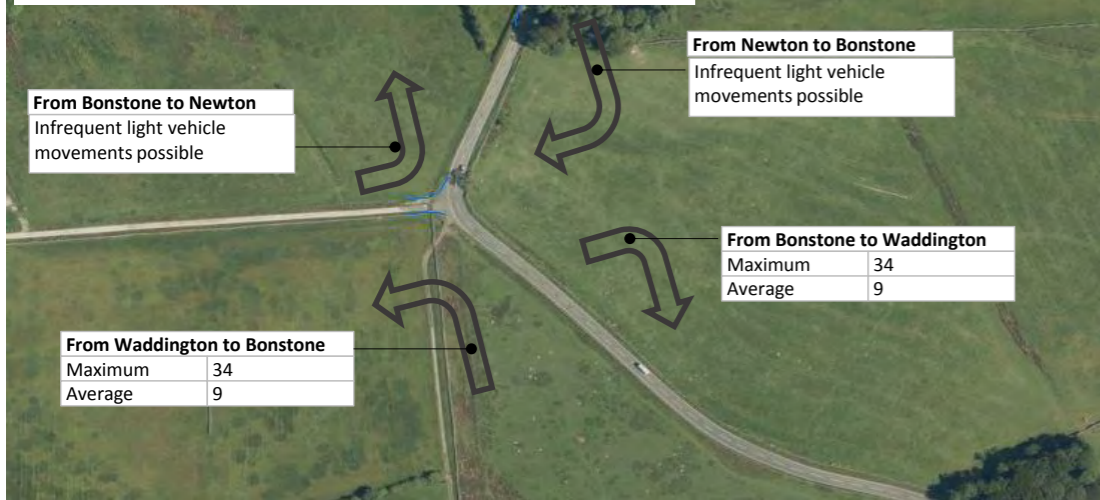
BONSTONE ACCESS JUNCTION- CONSTRUCTION PHASE 1
(Newton-in Bowland Site Establishment)



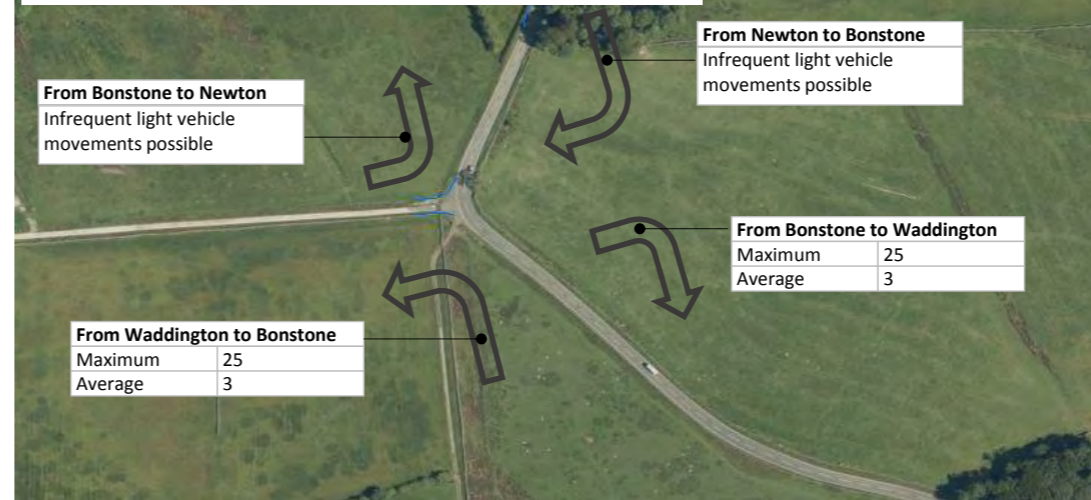
BONSTONE ACCESS JUNCTION- CONSTRUCTION PHASE 2
(Bowland tunnel Drive and Marl Hill Tunnel Site Establishment)



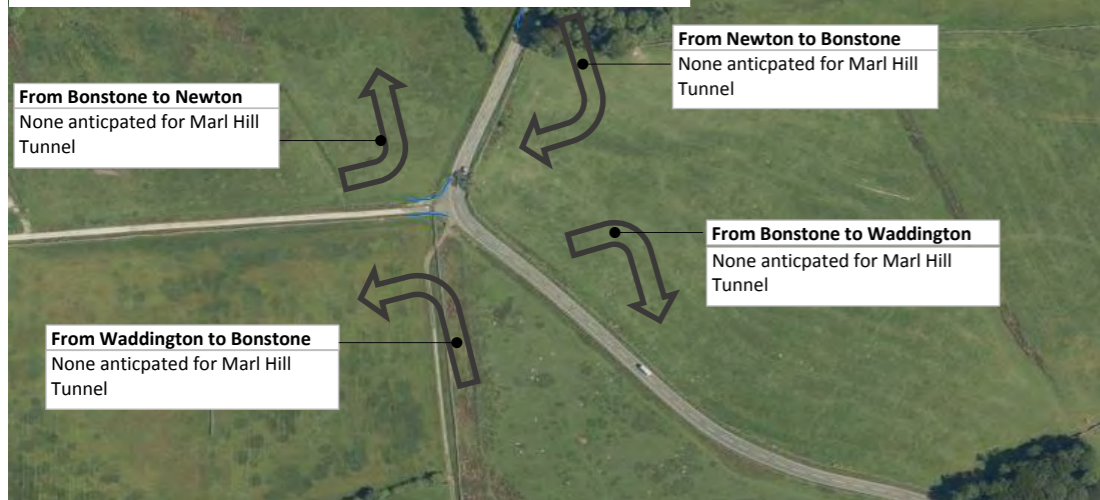
BONSTONE ACCESS JUNCTION- CONSTRUCTION PHASE 3
(Bowland Tunnel Drive and Marl Hill Tunnel Drive)



BONSTONE ACCESS JUNCTION- CONSTRUCTION PHASE 4
(Bowland Tunnel Drive and Marl Hill Tunnel Reinstatement)



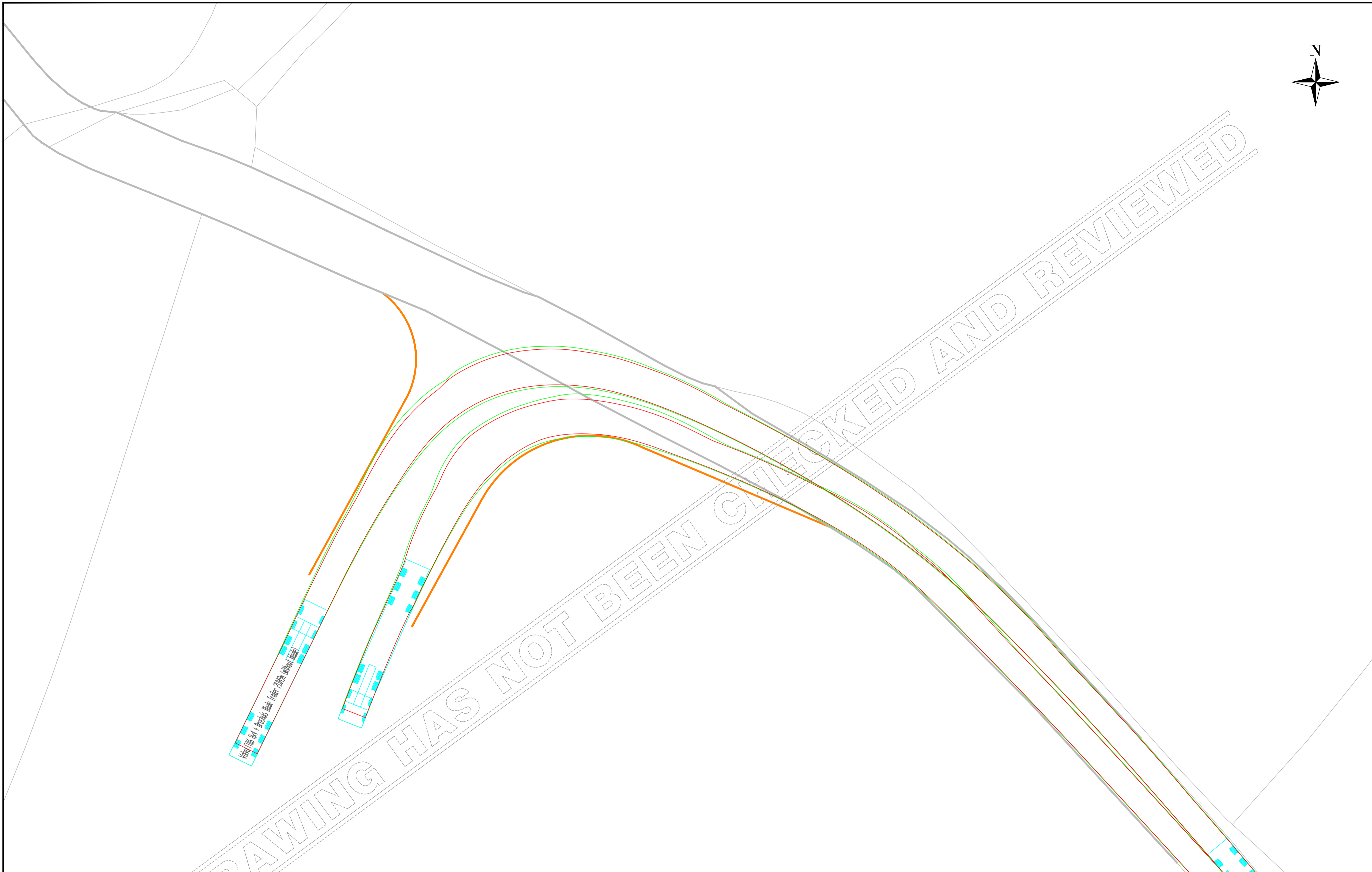
BONSTONE ACCESS JUNCTION- CONSTRUCTION PHASE 5
(Bowland Tunnel Drive Reinstatement)



LEGEND

Average: averaged over 1 year and rounded to the nearest whole number the number of HGV movements per day turning in shown direction

Maximum: the anticipated maximum number of HGV movements on any single day turning in shown direction



NOTES
1. DO NOT SCALE FROM THIS DRAWING

LEGEND

	PROPOSED KERB
	EXISTING KERB

CURRENT ISSUE INFORMATION

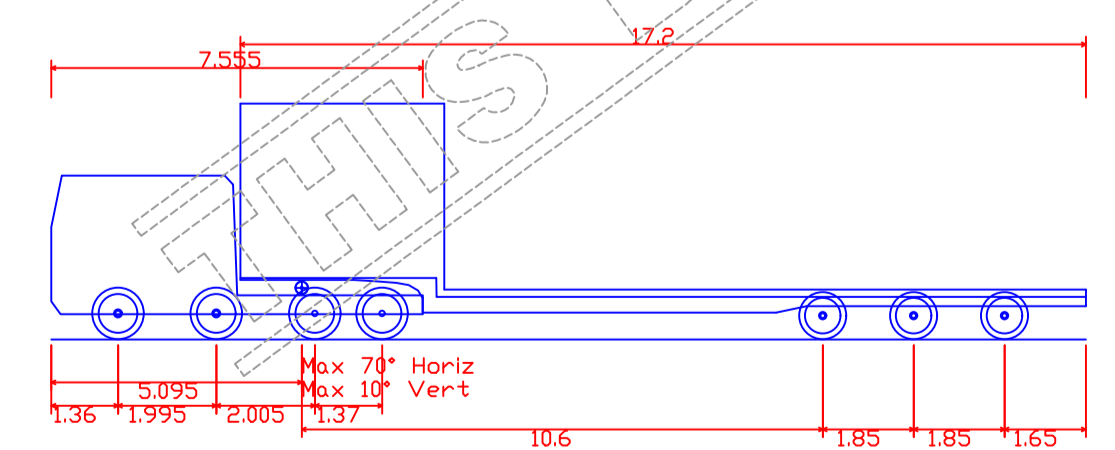
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SUITABILITY CODE	SUITABILITY DESCRIPTION				



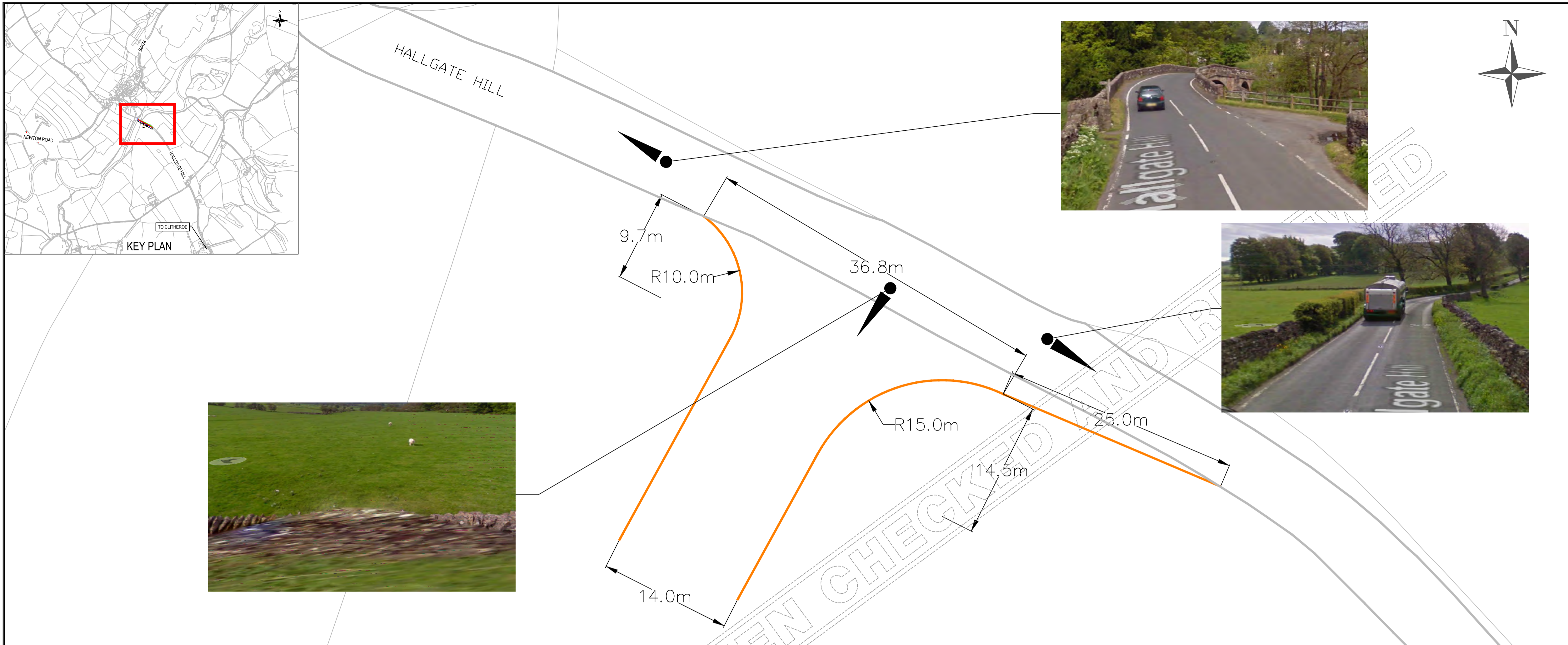
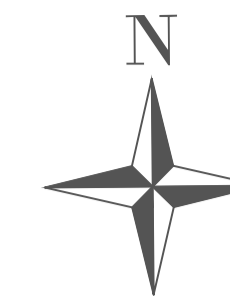
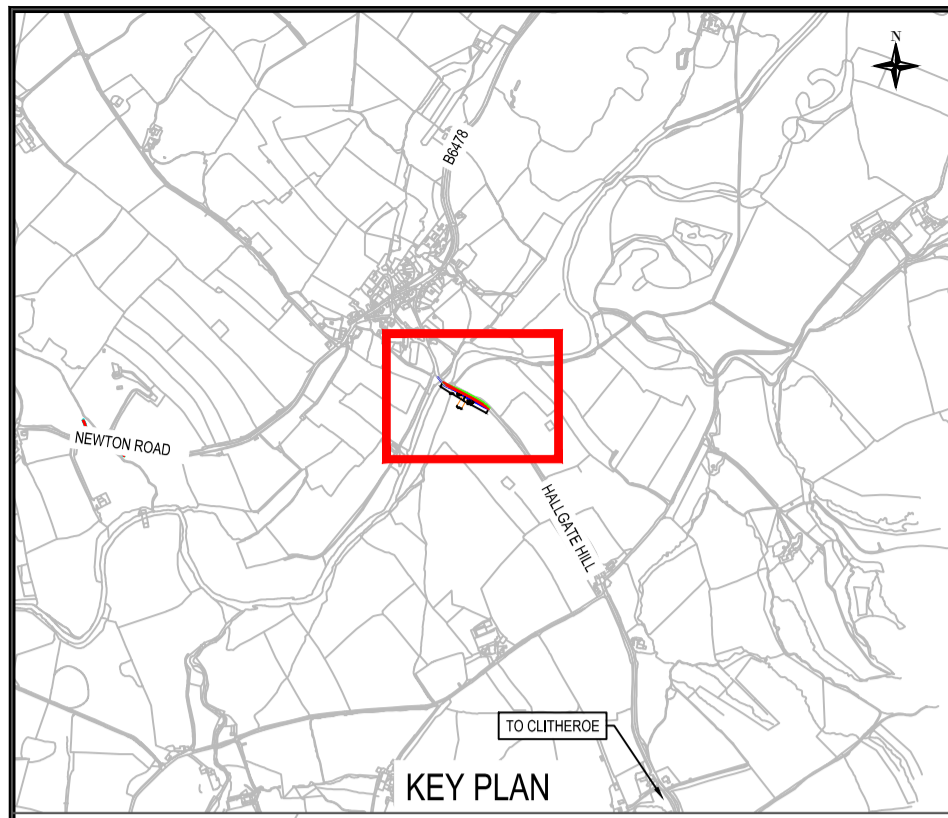
HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED BOWLAND SECTION - TEMPORARY HAUL ROAD
 HALLGATE HILL JUNCTION
 VEHICLE TRACKING - THREE AXLE LOADER
 (FH16 ASSUMPTION)

SCALE 1:250	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR3_VT-1124	REVISION P01.1

MARK UP INFORMATION
 RED - Item to modify
 GREEN - Comment for CAD
 BLUE - Modification complete
 YELLOW - Item for clarification
 Pen colours for print mark-ups



Volvo FH16 8x4 + Broshuis Blade Trailer 21.049m (without blade)
 Overall Length 21.045m
 Overall Width 3.050m
 Overall Body Height 4.800m
 Min Body Ground Clearance 0.515m
 Track Width 3.000m
 Lock to lock time 6.00s
 Wall to Wall Turning Radius 9.800m



NOTES

- DO NOT SCALE FROM THIS DRAWING.
- TAKEN FROM CD 109 (TABLES 2.5 AND 2.10)

DESIRED VISIBILITY SPLAY	ACHIEVED VISIBILITY SPLAY
4.5m x 215m	4.5m x 70m
EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT
60 mph	30 mph
- 70 METER VISIBILITY SPLAY IS ONE STEP BELOW IN TABLE 2.10 OF CD 109 DUE TO RESTRICTING FACTORS OF ROAD CURVATURE, EXISTING VEGETATION AND EXISTING OVERBRIDGE TO THE NORTH.
- VISIBILITY SPLAY (VALUE X) SET BACK 4.5m FROM EDGE OF CARRIAGEWAY

LEGEND

- EXISTING KERB
- PROPOSED KERB
- VISIBILITY SPLAY
- SSD ENVELOPE NORTHBOUND
- SSD ENVELOPE SOUTHBOUND

CURRENT ISSUE INFORMATION

P01.3	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
SO		WORK IN PROGRESS (WIP)			
SUITABILITY CODE	SUITABILITY DESCRIPTION				



HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED BOWLAND SECTION
 TEMPORARY HAUL ROAD - HALLGATE HILL
 ACCESS DESIGN

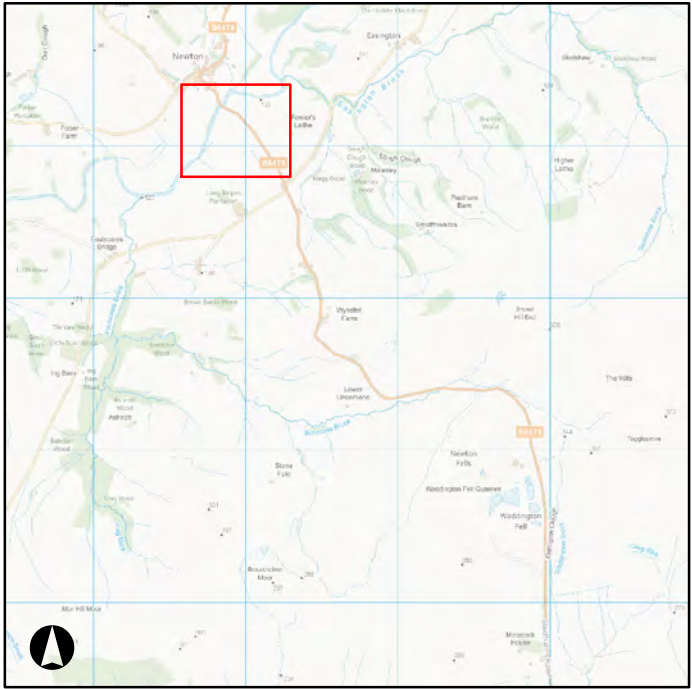
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 GREEN - Comment for CAD
 BLUE - Modification complete
 YELLOW - Item for clarification
 Pen colours for print mark-ups

SCALE 1:250 / 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR3_VS-1006	REVISION P01.3

APPENDIX B2 - PROPOSED JUNCTION



FIGURE B - 2 - 09

B6478 Hallgate Hill



WIDER AREA 0 0.275 0.55 1.1 Kilometers

Legend

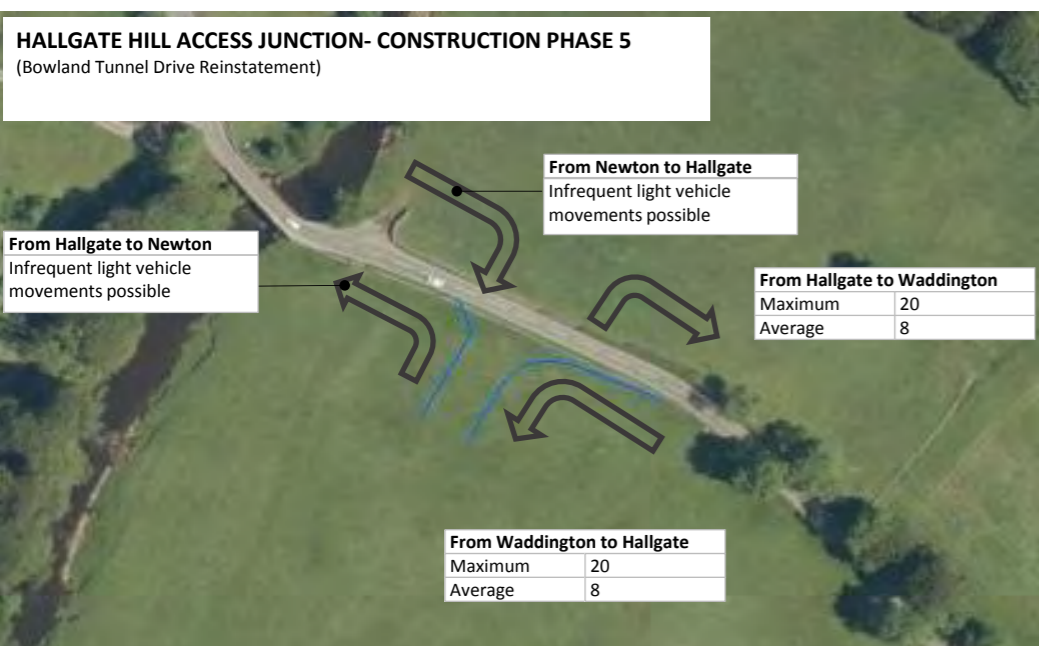
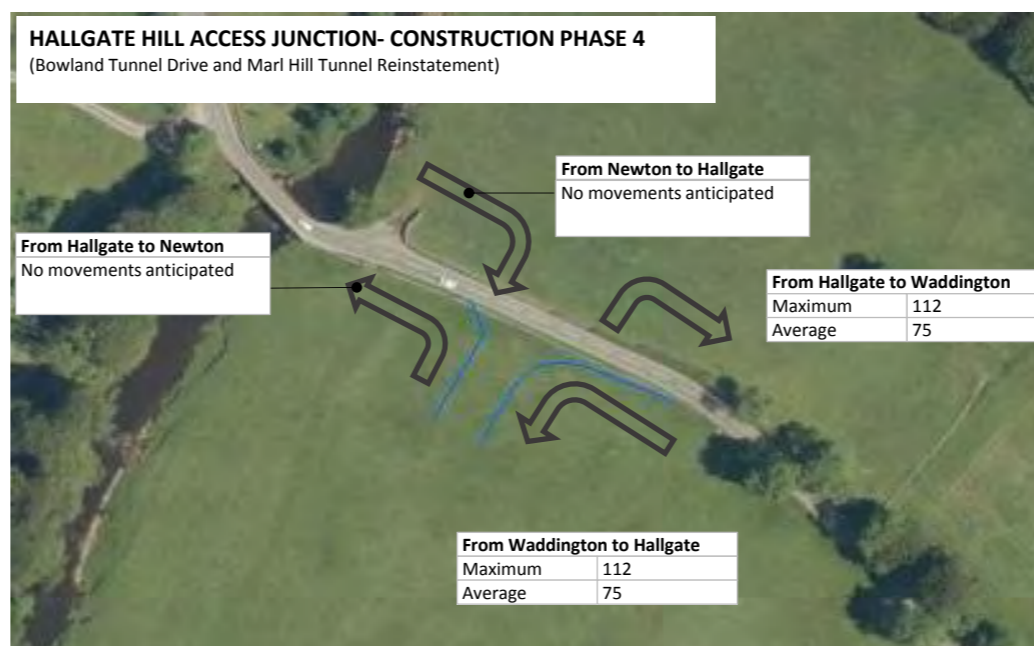
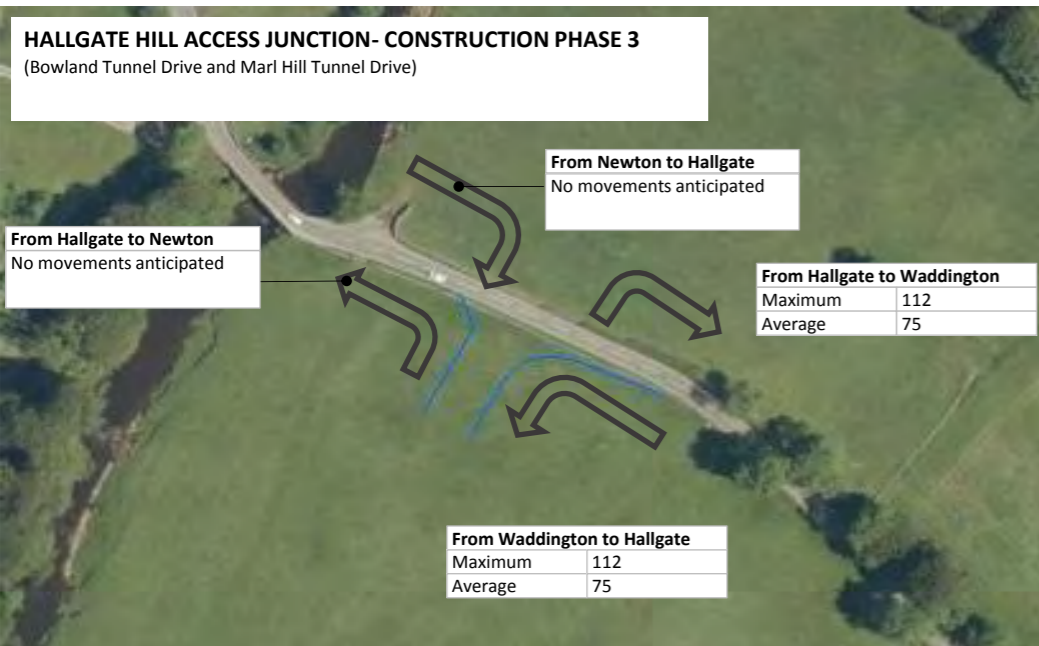
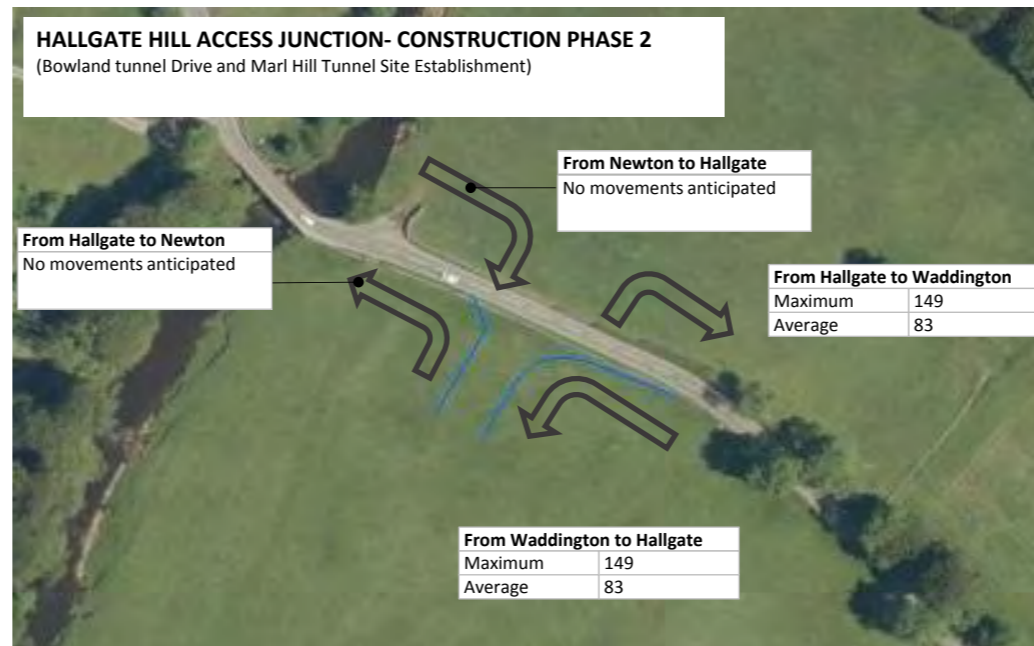
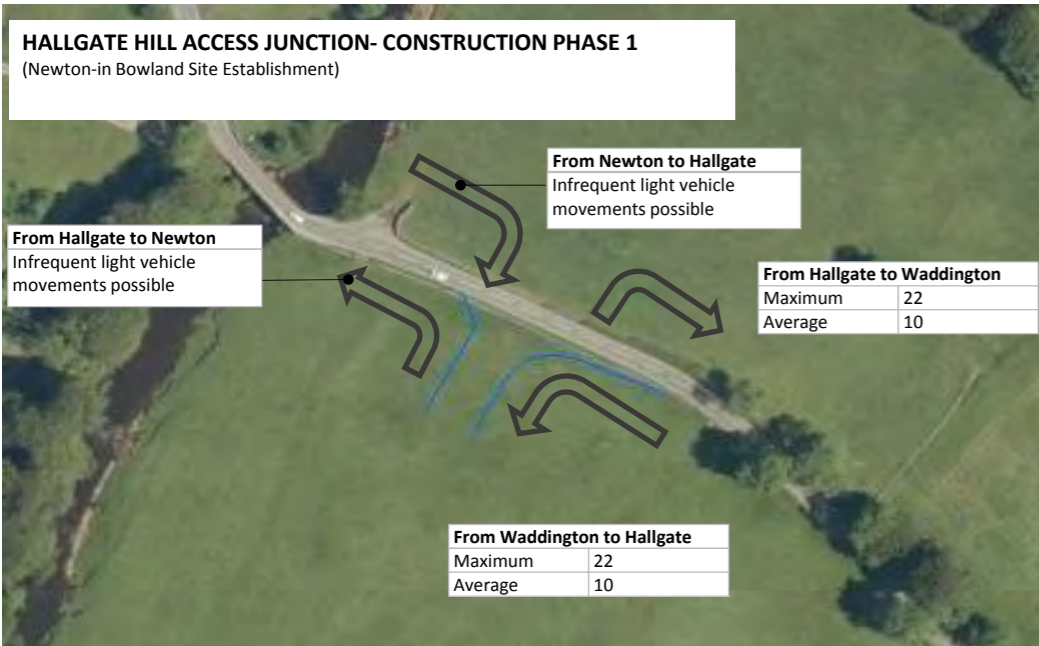
-  4.5m x 70m Visibility splay
-  Proposed Junction



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. Crown copyright and database rights 2017 Ordnance Survey 100022432.

APPENDIX B2 - FIGURE B-2-10

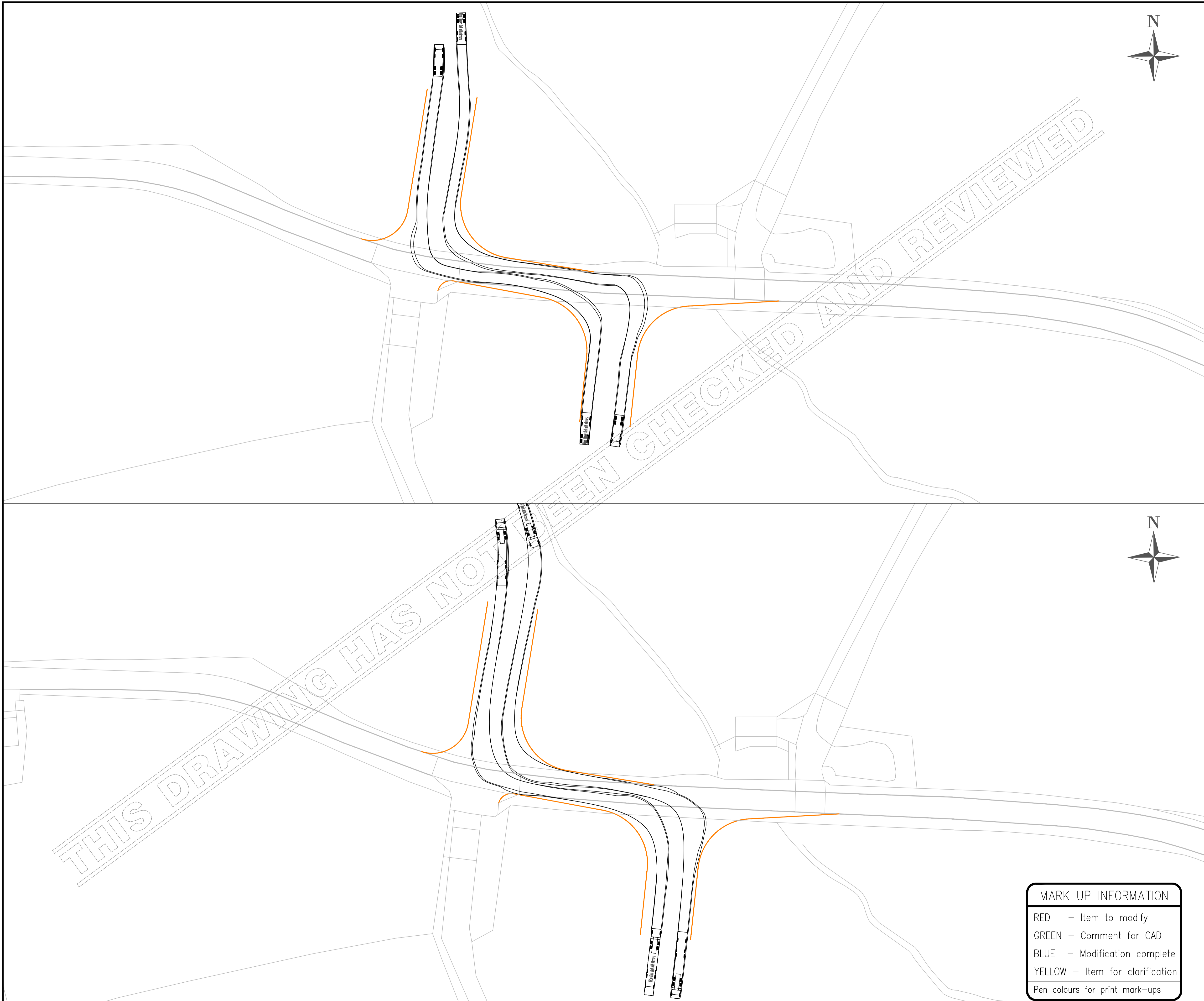
PROPOSED HALLGATE HILL JUNCTION DAILY HGV MOVEMENTS



LEGEND


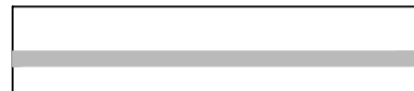
Average: averaged over 1 year and rounded to the nearest whole number the number of HGV movements per day turning in shown direction

Maximum: the anticipated maximum number of HGV movements on any single day turning in shown direction



- NOTES**
- DO NOT SCALE FROM THIS DRAWING
 - VEHICLE MEASUREMENTS

LEGEND

	PROPOSED KERB
	EXISTING KERB

CURRENT ISSUE INFORMATION

P01.1	HS	SP	--	--	-
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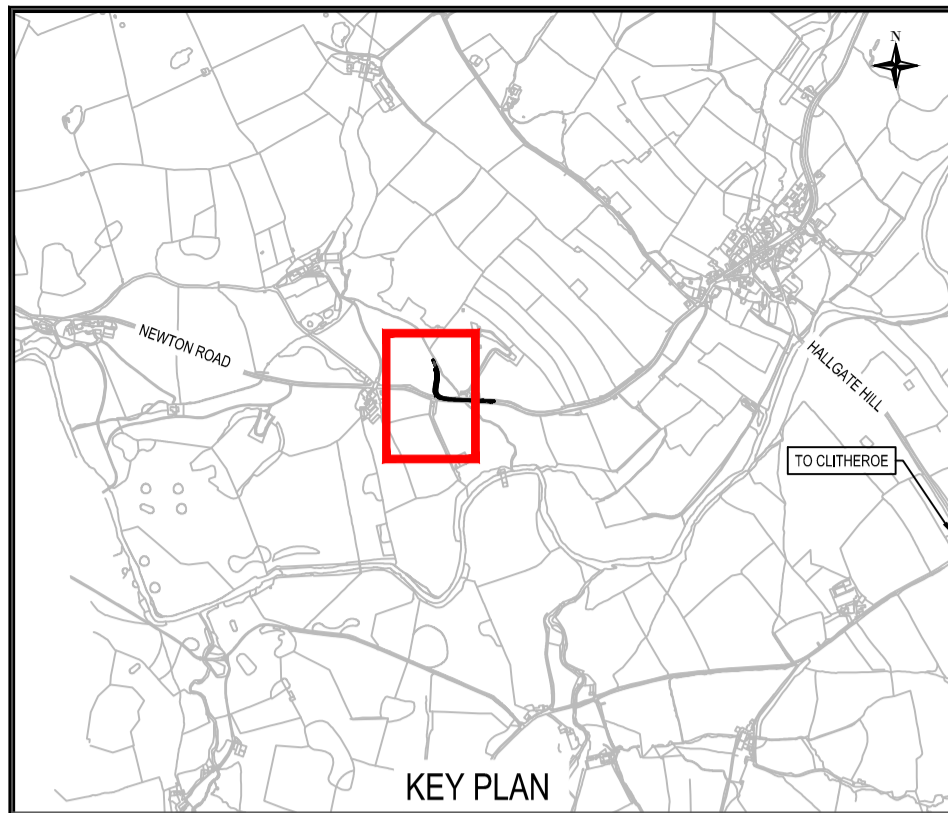
HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

PROPOSED BOWLAND SECTION
 NEWTON-IN-BOWLAND COMPOUND
 VEHICLE ACROSS JUNCTION (STAGGERED)
 STANDARD VEHICLE TRACKING

MARK UP INFORMATION

RED – Item to modify
 GREEN – Comment for CAD
 BLUE – Modification complete
 YELLOW – Item for clarification
 Pen colours for print mark-ups

SCALE 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR3_VT-1108	REVISION P01.1



NOTES

- DO NOT SCALE FROM THIS DRAWING.
- TAKEN FROM CD 109 (TABLES 2.5 AND 2.10)

DESIRED VISIBILITY SPLAY	ACHIEVED VISIBILITY SPLAY
4.5m x 215m	4.5m x 120m
EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT
60 mph	40 mph
- 120 METER VISIBILITY SPLAY IS ACHIEVABLE TO TABLE 2.10 OF CD 109 REQUIRING REMOVAL OF EXISTING VEGETATION. A REDUCED 40 MPH SECTION OF ROAD CAN ACHIEVE ADEQUATE VISIBILITY.
- VISIBILITY SPLAY (VALUE X) SET BACK 4.5m FROM EDGE OF CARRIAGEWAY

LEGEND

	EXISTING KERB
	PROPOSED KERB
	VISIBILITY SPLAY

CURRENT ISSUE INFORMATION

P01.2	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0		WORK IN PROGRESS (WIP)			
SUITABILITY CODE		SUITABILITY DESCRIPTION			

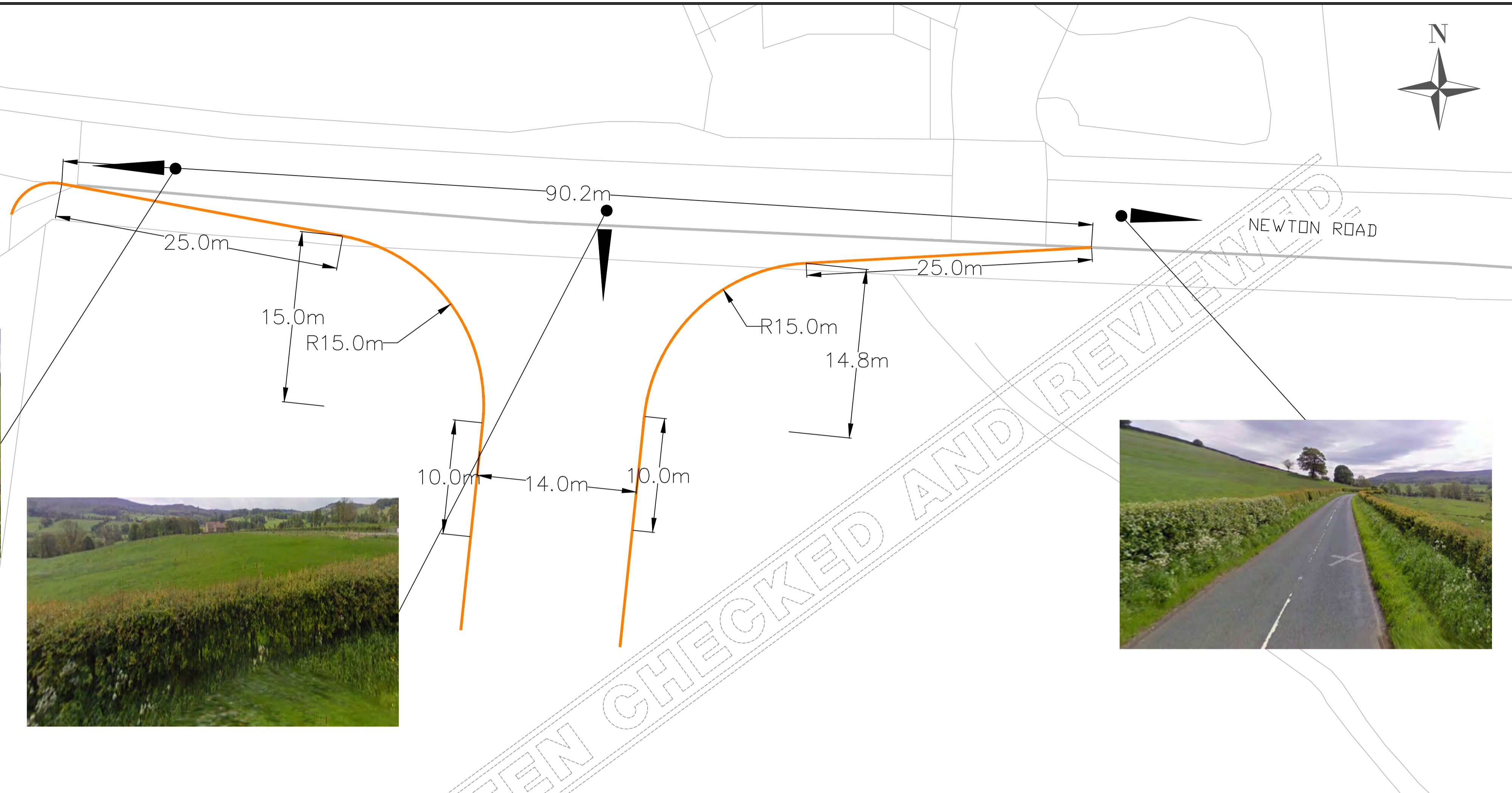
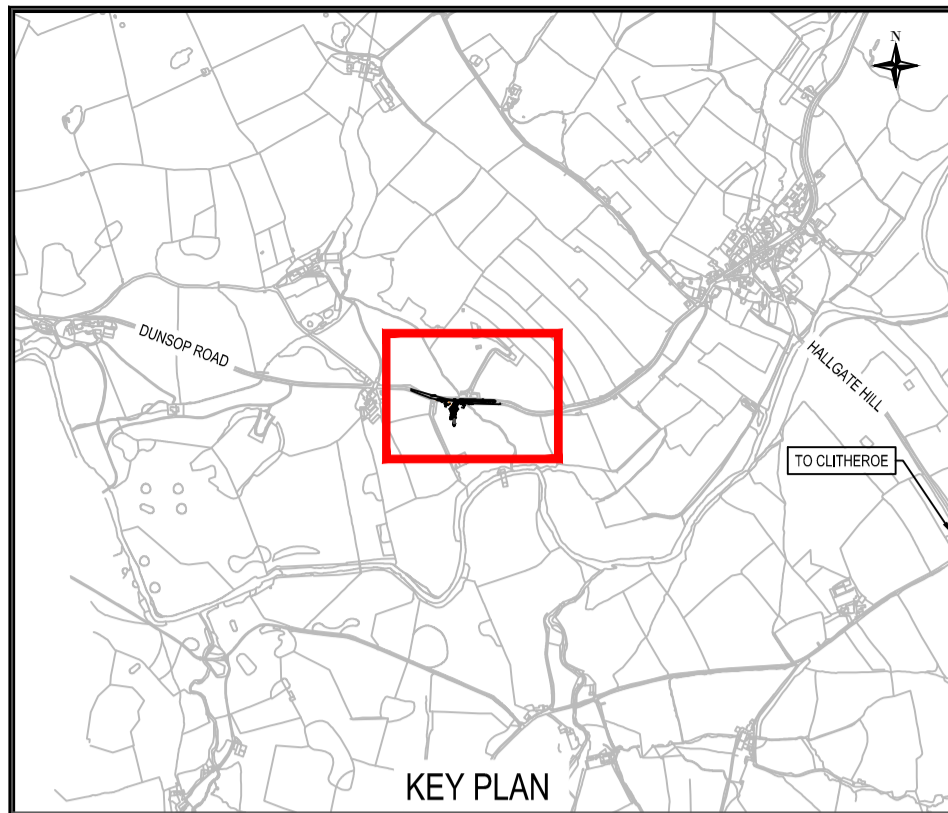


HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED BOWLAND SECTION
 NEWTON-IN-BOWLAND COMPOUND
 ACCESS DESIGN

MARK UP INFORMATION

RED	- Item to modify
GREEN	- Comment for CAD
BLUE	- Modification complete
YELLOW	- Item for clarification
Pen colours for print mark-ups	

SCALE 1:250 / 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR3_VS-1002	REVISION P01.2






NOTES

- DO NOT SCALE FROM THIS DRAWING.
- TAKEN FROM CD 109 (TABLES 2.5 AND 2.10)

DESIRED VISIBILITY SPLAY	ACHIEVED VISIBILITY SPLAY
4.5m x 215m	4.5m x 120m

EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT
60 mph	40 mph
- 120 METER VISIBILITY SPLAY IS ACHIEVABLE TO TABLE 2.10 OF CD 109 REQUIRING REMOVAL OF EXISTING VEGETATION. A REDUCED 40 MPH SECTION OF ROAD CAN ACHIEVE ADEQUATE VISIBILITY.
- VISIBILITY SPLAY (VALUE X) SET BACK 4.5m FROM EDGE OF CARRIAGEWAY

LEGEND

	EXISTING KERB
	PROPOSED KERB
	VISIBILITY SPLAY

CURRENT ISSUE INFORMATION

P01.2	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
SO		WORK IN PROGRESS (WIP)			
SUITABILITY CODE		SUITABILITY DESCRIPTION			



HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED BOWLAND SECTION
 NEWTON-IN-BOWLAND COMPOUND SOUTH
 ACCESS DESIGN

MARK UP INFORMATION

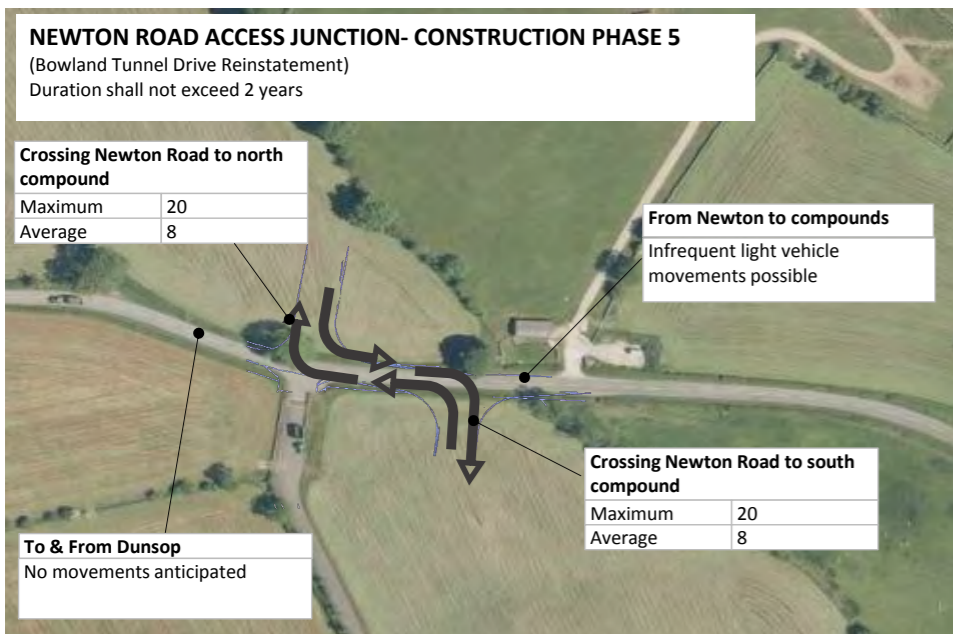
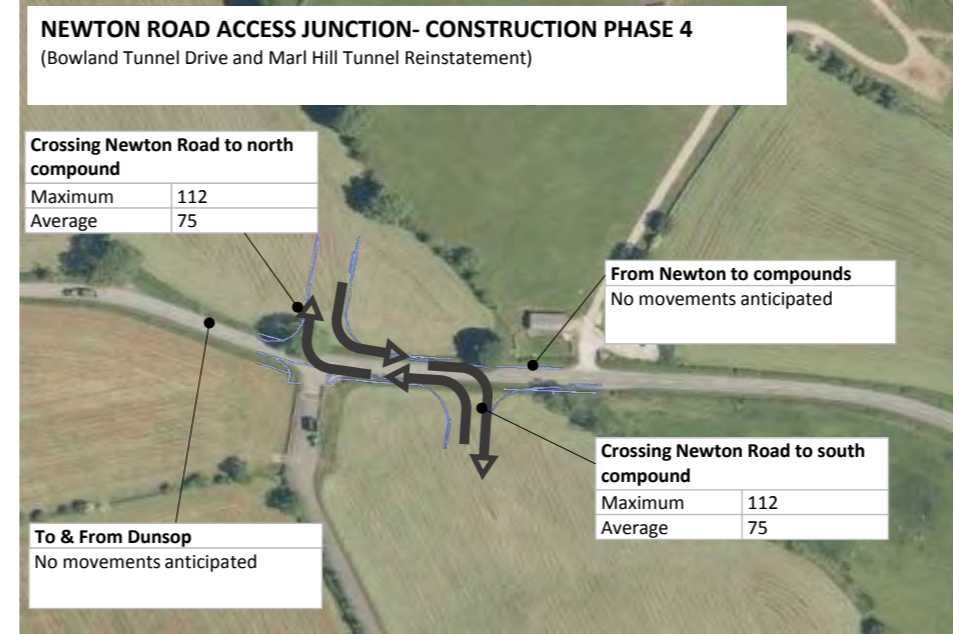
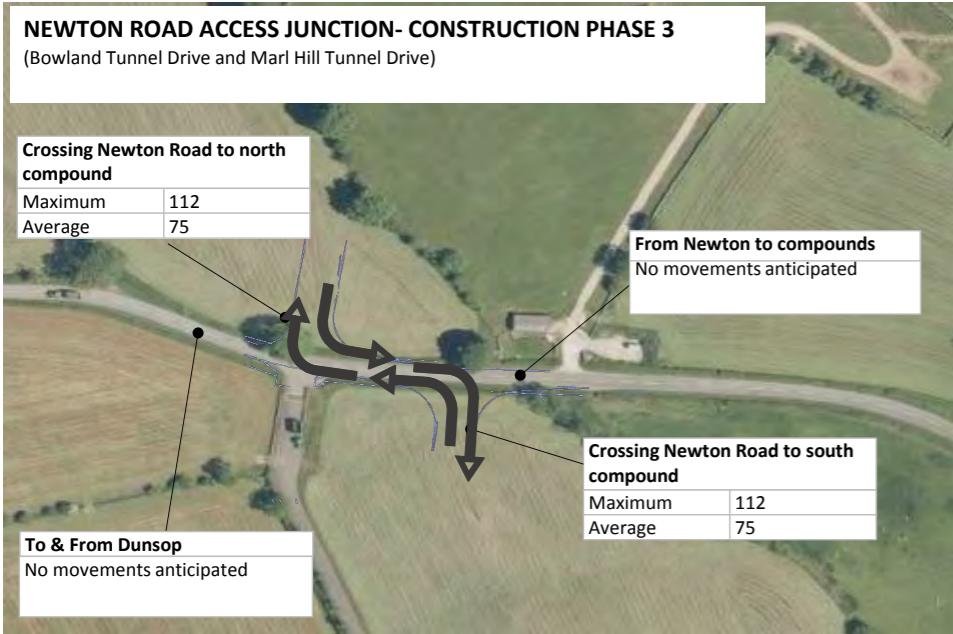
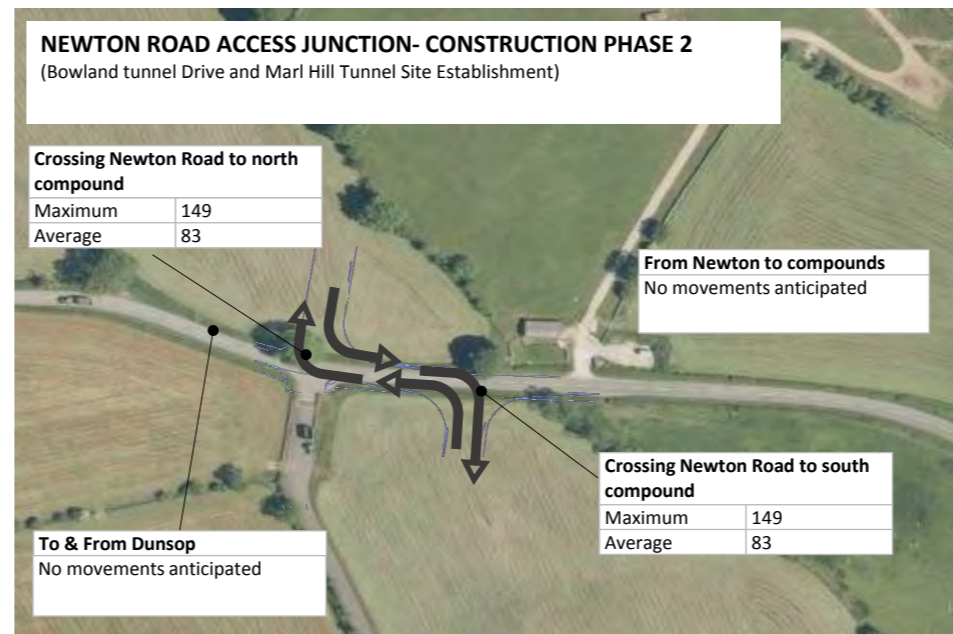
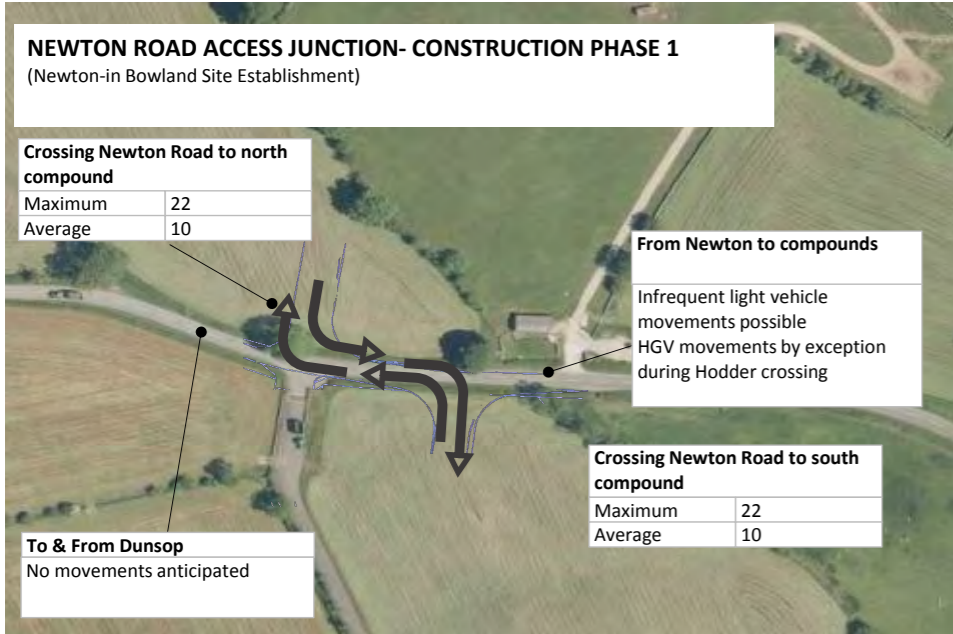
- RED - Item to modify
- GREEN - Comment for CAD
- BLUE - Modification complete
- YELLOW - Item for clarification

Pen colours for print mark-ups

SCALE 1:250 / 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR3_VS-1003	REVISION P01.2

APPENDIX B2 - FIGURE B-2-14

PROPOSED NEWTON ROAD JUNCTION DAILY HGV MOVEMENTS



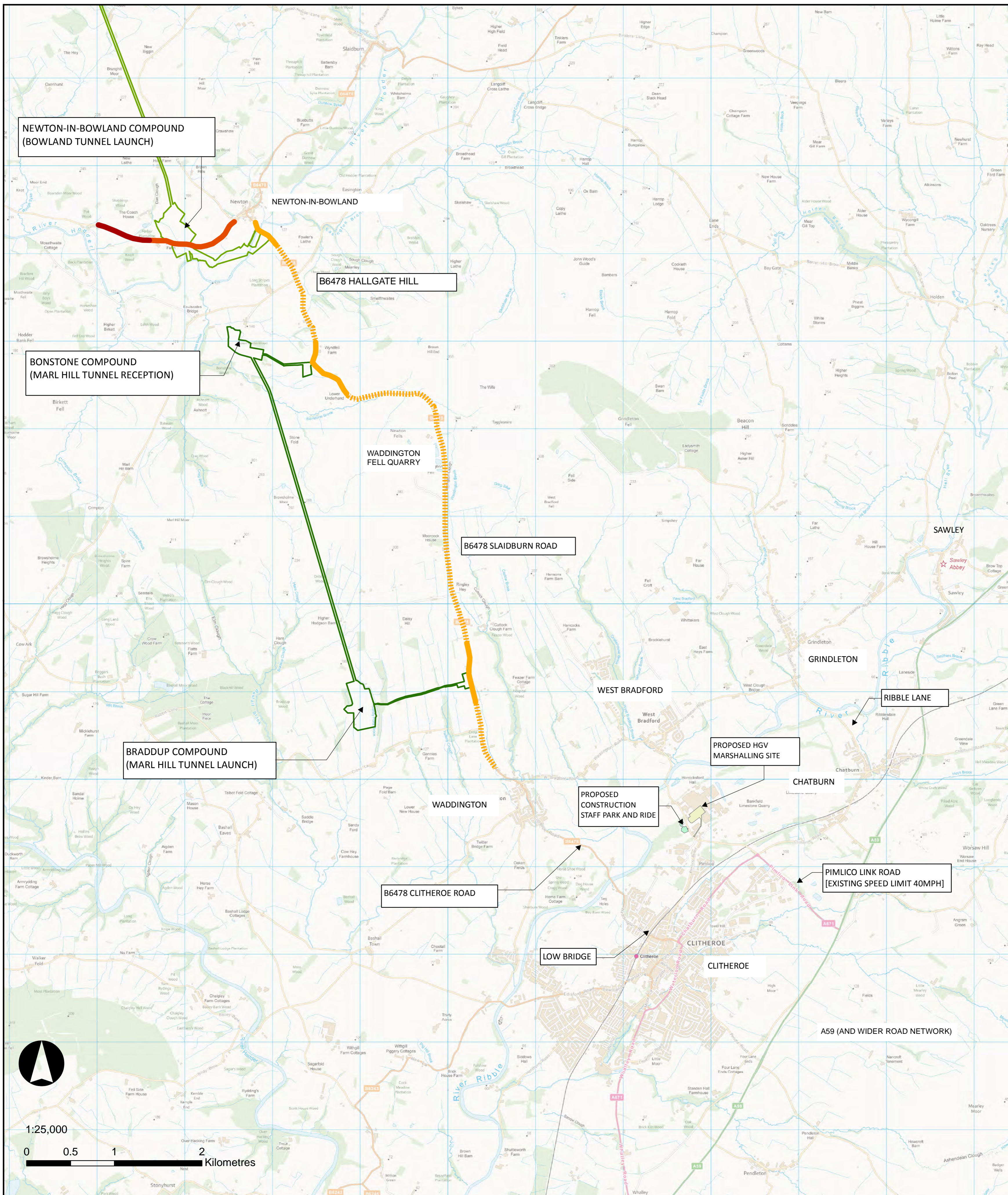
LEGEND

Average: averaged over 1 year and rounded to the nearest whole number the number of HGV movements per day turning in shown direction

Maximum: the anticipated HGV maximum number of movements on any single day turning in shown direction

APPENDIX B2

FIGURE B-2-16: PROPOSED SPEED LIMITS

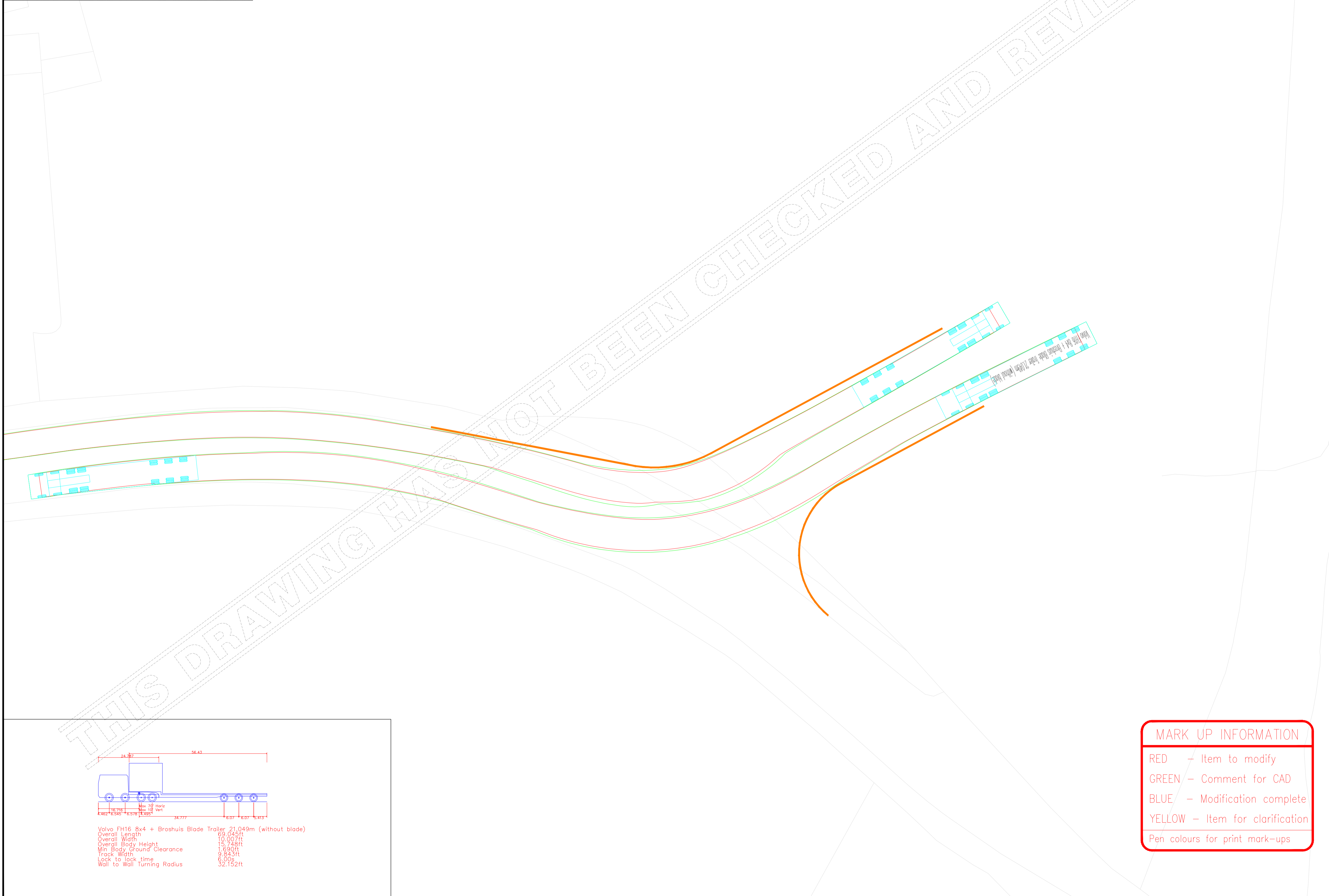
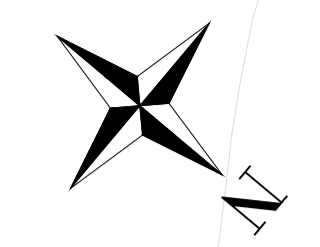
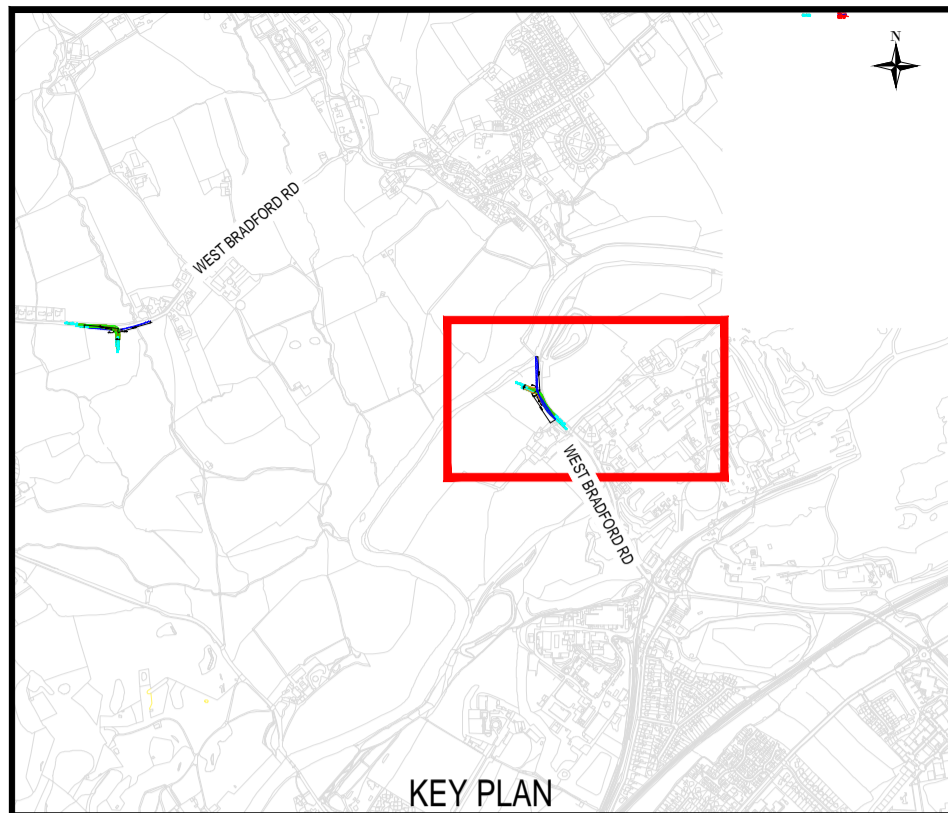


Legend

- Proposed 50 mph
- Proposed 40 mph
- Proposed 30 mph
- Proposed Advisory 30 mph
- PROPOSED CONSTRUCTION STAFF AND VISITOR PARK AND RIDE SITE
- PROPOSED HGV MARSHALLING AND HOLDING AREA
- PROPOSED BOWLAND TUNNEL DEVELOPMENT AREA
- PROPOSED MARL HILL TUNNEL DEVELOPMENT AREA

NOTES:

1. EXISTING SPEED LIMIT WHERE CHANGES ARE PROPOSED IS NATIONAL SPEED LIMIT UNLESS OTHERWISE STATED
2. PROPOSED SIGNAGE AND TRANSITION FEATURES SHOWN IN FIGURES B-2-23 TO B-2-24 AND FIGURES B-2-27 TO B-2-32.(PROJECT SPECIFIC ADVISORY SPEED LIMIT SIGNAGE TO BE AGREED)



NOTES
1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

	EXISTING KERB
	PROPOSED KERB

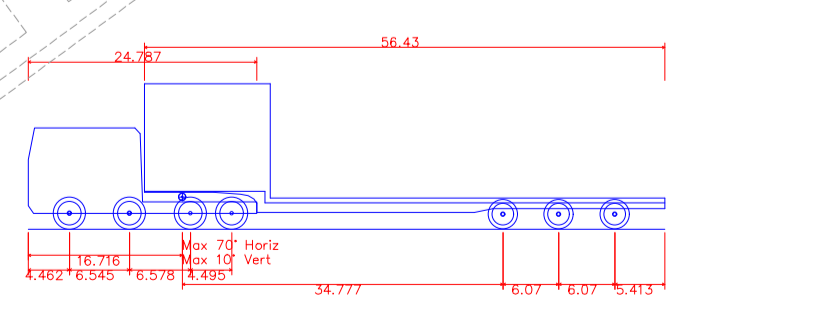
CURRENT ISSUE INFORMATION

P01.2	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0				WORK IN PROGRESS (WIP)	
SUITABILITY CODE	SUITABILITY DESCRIPTION				



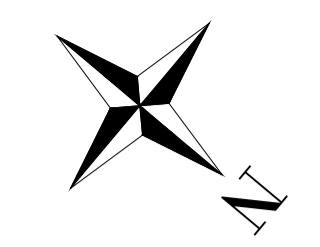
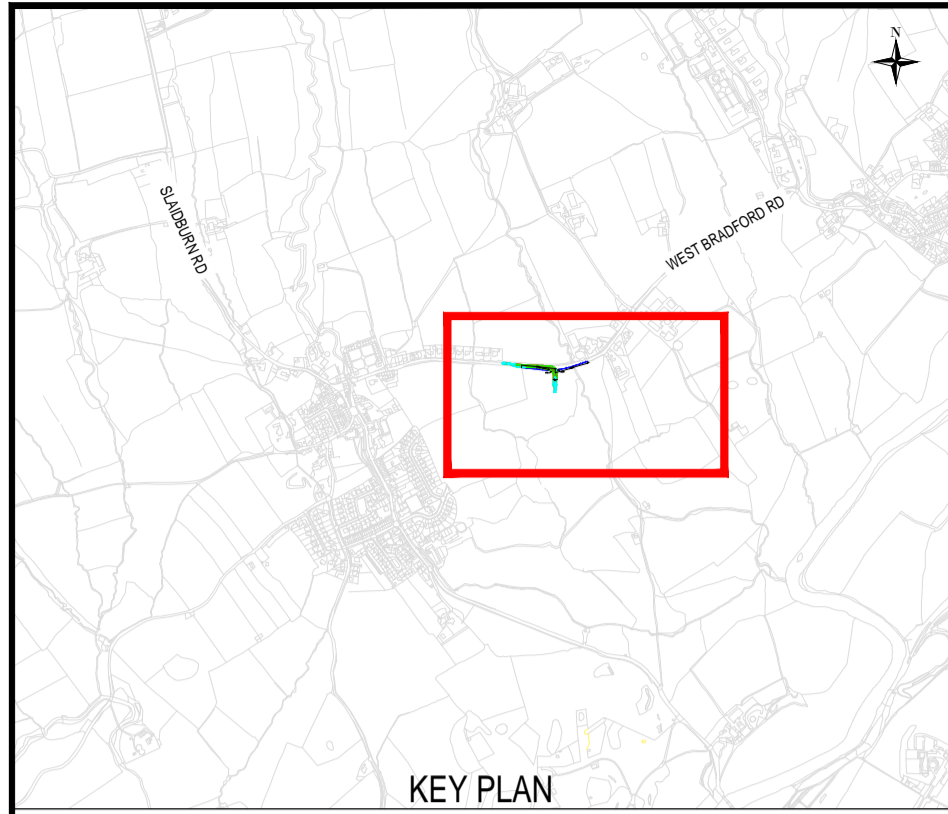
HAVESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED CLITHEROE SECTION
 RIVER RIBBLE HAUL RD
 ACCESS DESIGN - BEFORE RIVER RIBBLE (A59, PIMLICO LINK RD, WEST BRADFORD RD)
 VEHICLE TRACKING - THREE AXLE LOW LOADER

MARK UP INFORMATION
 RED - Item to modify
 GREEN - Comment for CAD
 BLUE - Modification complete
 YELLOW - Item for clarification
 Pen colours for print mark-ups



Volvo FH16 8x4 + Broshuis Blade Trailer 21,049m (without blade)
 Overall Length 69.045ft
 Overall Width 10.007ft
 Overall Body Height 15.748ft
 Min Body Ground Clearance 1.829ft
 Track Width 9.843ft
 Lock to lock time 6.00s
 Wall to Wall Turning Radius 32.152ft

SCALE 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR4_VT-1130	REVISION P01.2



NOTES
1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

	EXISTING KERB
	PROPOSED KERB

CURRENT ISSUE INFORMATION

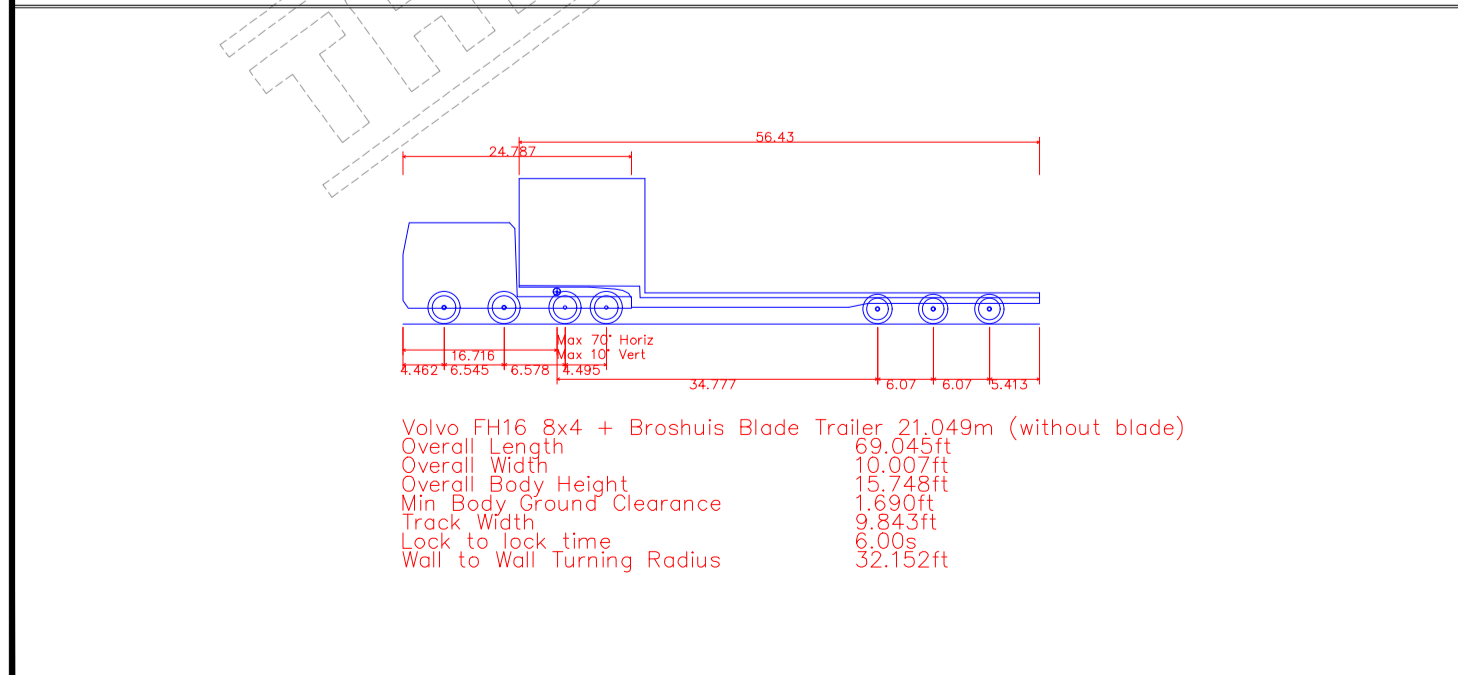
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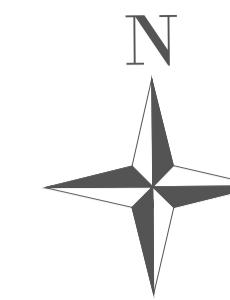
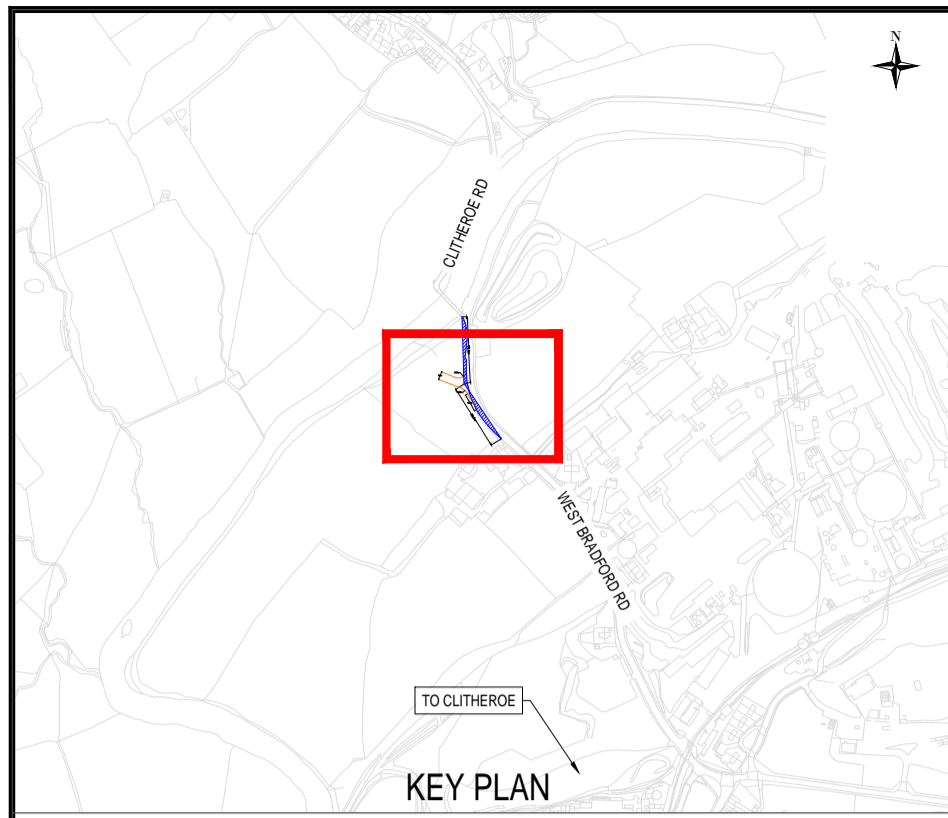


HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED CLITHEROE SECTION
 RIVER RIBBLE HAUL RD
 ACCESS DESIGN - AFTER RIVER RIBBLE (WEST BRADFORD RD, WADDINGTON VILLAGE, SLAIDBURN RD)
 VEHICLE TRACKING - THREE AXLE LOW LOADER

MARK UP INFORMATION
 RED - Item to modify
 GREEN - Comment for CAD
 BLUE - Modification complete
 YELLOW - Item for clarification
 Pen colours for print mark-ups

SCALE 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR4_VT-1132	REVISION P01.1





NOTES

- DO NOT SCALE FROM THIS DRAWING.
- TAKEN FROM CD 109 (TABLES 2.5 AND 2.10)

DESIRED VISIBILITY SPLAY	ACHIEVED VISIBILITY SPLAY
4.5m x 215m	4.5m x 120m
EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT
60 mph	40 mph
- 120 METER VISIBILITY SPLAY IS APPLICABLE FROM TABLE 2.10 OF CD 109 DUE TO RESTRICTING FACTORS OF ROAD CURVATURE AND EXISTING VEGETATION. A REDUCED 40 MPH SECTION OF ROAD CAN ACHIEVE ADEQUATE VISIBILITY.
- VISIBILITY SPLAY (VALUE X) SET BACK 4.5m FROM EDGE OF CARRIAGEWAY

LEGEND

	EXISTING KERB
	PROPOSED KERB
	VISIBILITY SPLAY

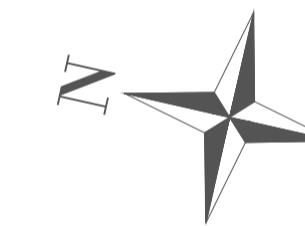
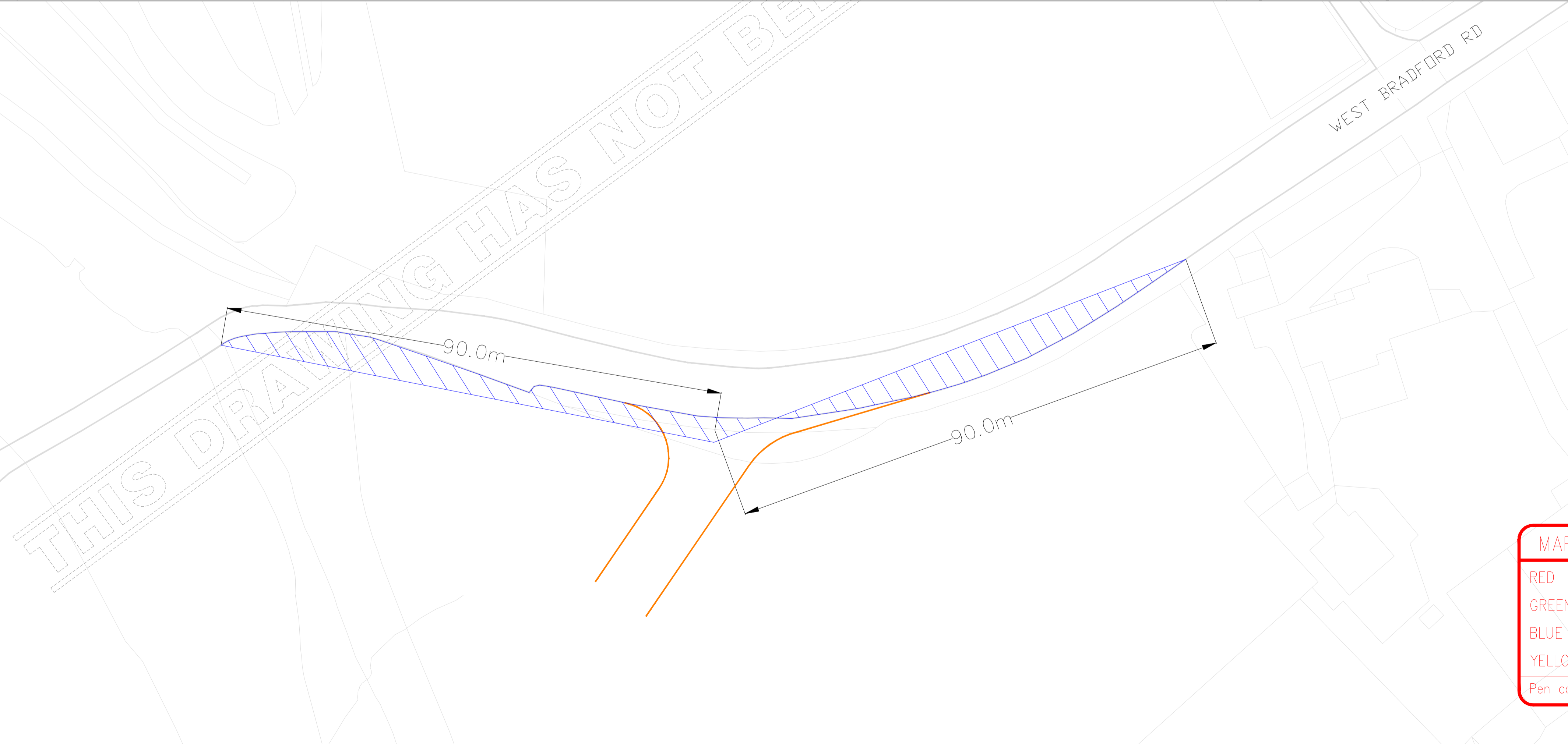
CURRENT ISSUE INFORMATION

P01.2	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0		WORK IN PROGRESS (WIP)			
SUITABILITY CODE	SUITABILITY DESCRIPTION				

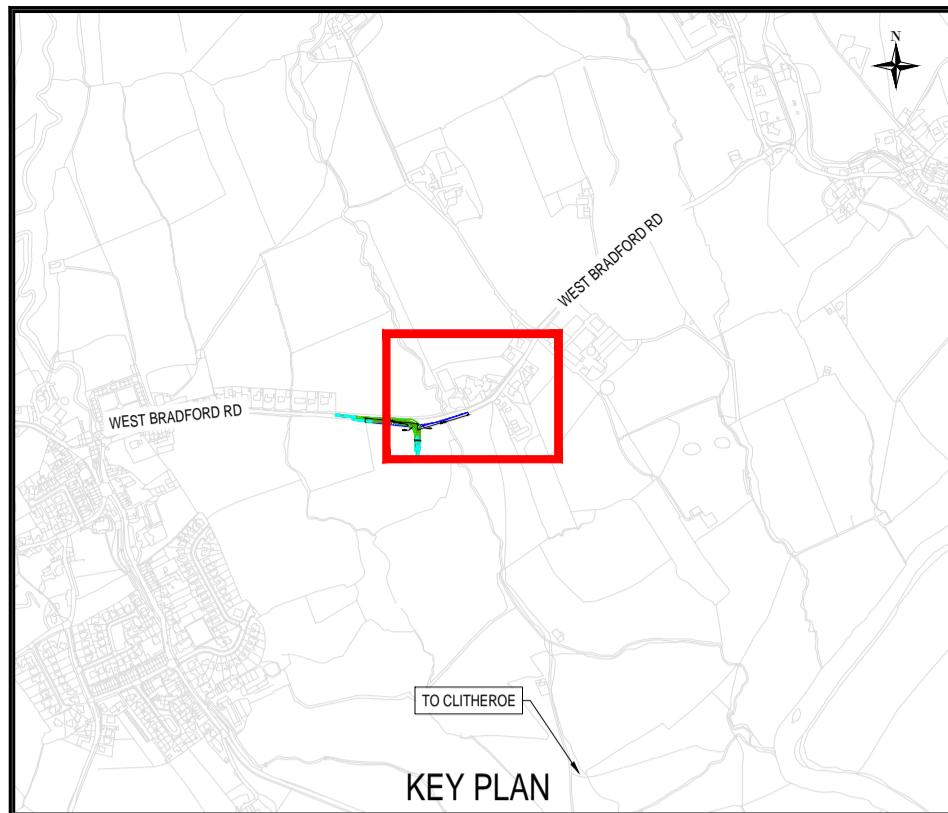


HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED CLITHEROE SECTION
 RIVER RIBBLE HAUL RD
 ACCESS DESIGN - BEFORE RIVER RIBBLE
 A59, PIMLICO LINK RD, WEST BRADFORD

MARK UP INFORMATION
 RED - Item to modify
 GREEN - Comment for CAD
 BLUE - Modification complete
 YELLOW - Item for clarification
 Pen colours for print mark-ups



SCALE 1:250 / 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR4_VS-1010	REVISION P01.2



NOTES

- DO NOT SCALE FROM THIS DRAWING.
- TAKEN FROM CD 109 (TABLES 2.5 AND 2.10)

DESIRED VISIBILITY SPLAY	ACHIEVED VISIBILITY SPLAY
4.5m x 215m	4.5m x 120m
EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT
60 mph	40 mph

- 120 METER VISIBILITY SPLAY IS APPLICABLE FROM TABLE 2.10 OF CD 109 DUE TO RESTRICTING FACTORS OF ROAD CURVATURE AND EXISTING VEGETATION. A REDUCED 40 MPH SECTION OF ROAD CAN ACHIEVE ADEQUATE VISIBILITY.
- VISIBILITY SPLAY (VALUE X) SET BACK 4.5m FROM EDGE OF CARRIAGEWAY

LEGEND

	EXISTING KERB
	PROPOSED KERB
	VISIBILITY SPLAY

CURRENT ISSUE INFORMATION

P01.1	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0		WORK IN PROGRESS (WIP)			
SUITABILITY CODE	SUITABILITY DESCRIPTION				



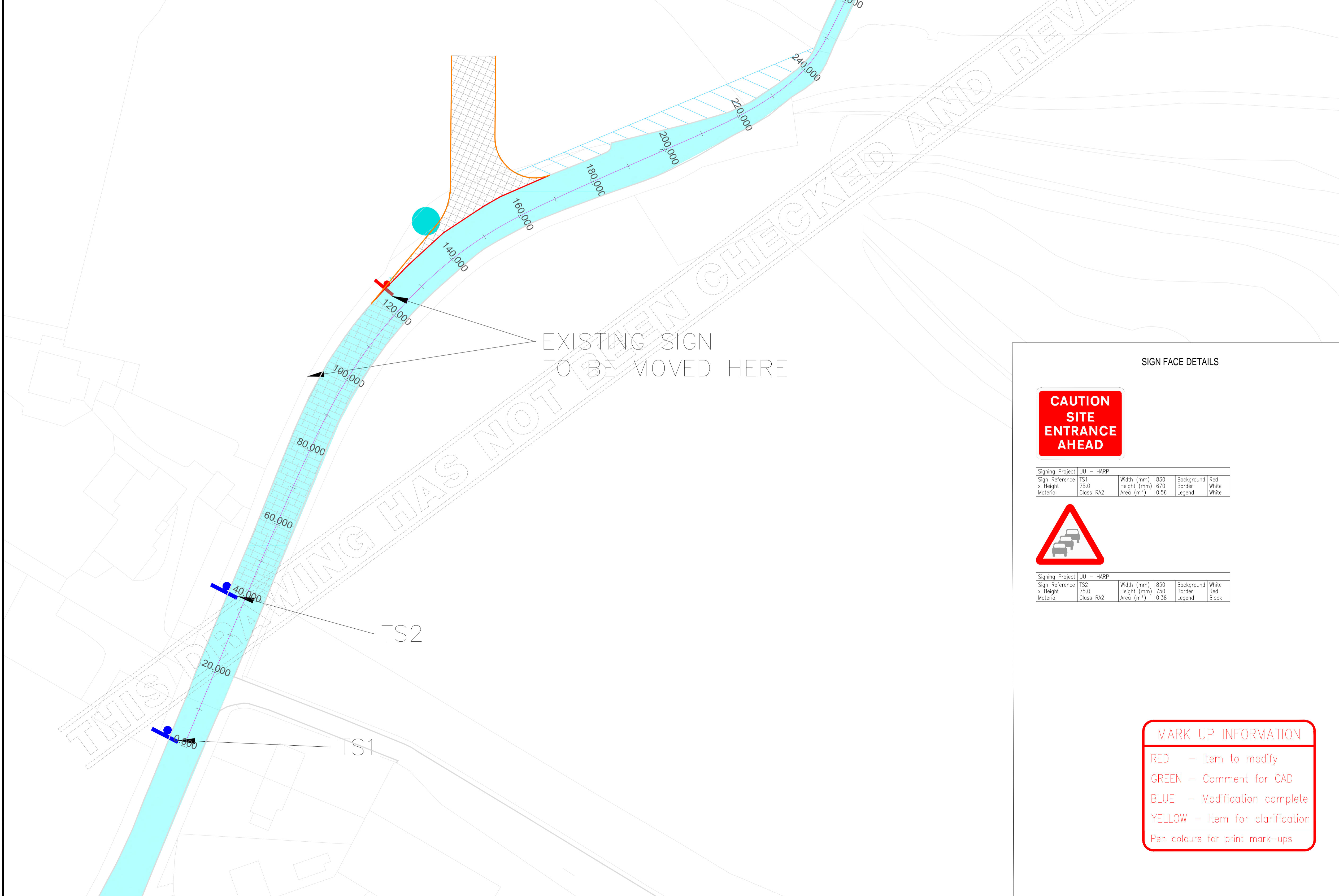
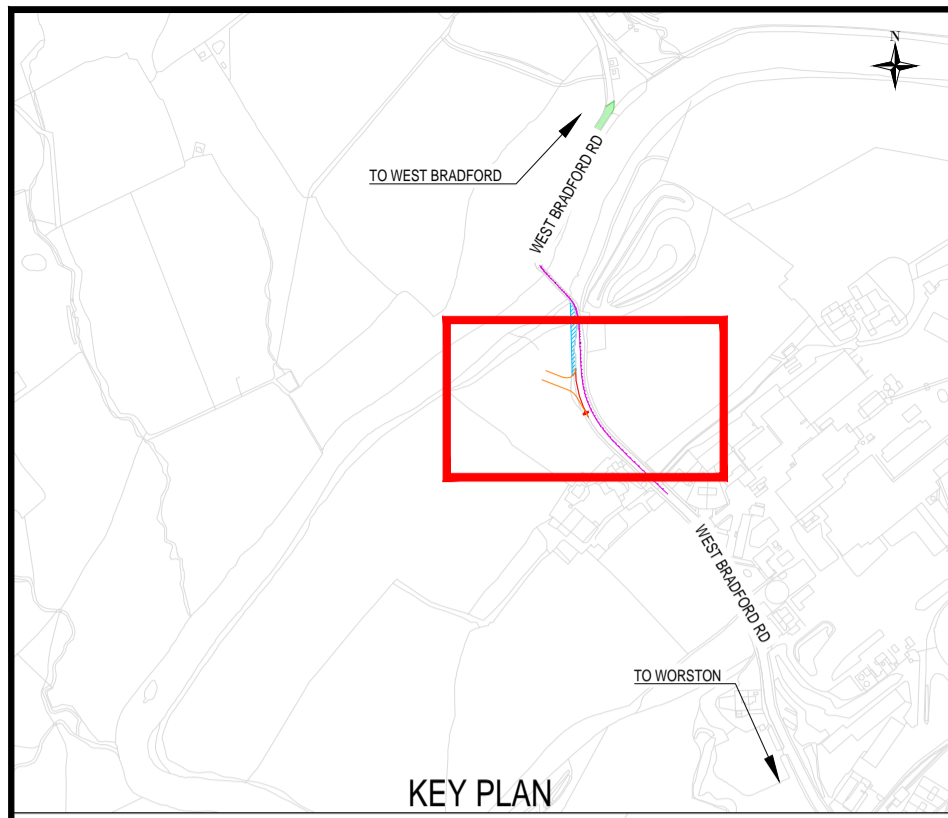
HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

PROPOSED CLITHEROE SECTION
RIVER RIBBLE HAUL ROAD
ACCESS DESIGN - AFTER RIVER RIBBLE
WEST BRADFORD RD, WADDINGTON VILLAGE, SLAIDBURN RD

SCALE 1:250 / 1:500	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR4_VS-1011	REVISION P01.1

MARK UP INFORMATION

RED - Item to modify
GREEN - Comment for CAD
BLUE - Modification complete
YELLOW - Item for clarification
Pen colours for print mark-ups



- NOTES**
- DO NOT SCALE FROM THIS DRAWING.
- LEGEND**
- GENERAL ARRANGEMENT**
- EXISTING KERB/ EDGE OF CARRIAGEWAY
 - PROPOSED KERB
 - CARRIAGEWAY WIDENING
- TRAFFIC MANAGEMENT**
- EXISTING 30MPH SPEED LIMIT
 - EXISTING NATIONAL SPEED LIMIT
 - HIGH FRICTION ANTI-SKID SURFACE DRESSING
 - PROPOSED TRAFFIC SIGN
- SITE CLEARANCE**
- EXISTING TRAFFIC SIGN TO BE RELOCATED
 - STONE WALL TO BE REMOVED
 - LIGHTING COLUMN TO BE REMOVED
 - KERB TO BE REMOVED
 - VEGETATION TO BE REMOVED
 - EXISTING TREE TO BE REMOVED

CURRENT ISSUE INFORMATION

P01.2	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
SO	WORK IN PROGRESS (WIP)				
SUITABILITY CODE	SUITABILITY DESCRIPTION				



HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

PROPOSED CLITHEROE SECTION

RIVER RIBBLE HAUL ROAD

WEST BRADFORD RD BEFORE RIVER RIBBLE

GENERAL ARRANGEMENT

SIGN FACE DETAILS

CAUTION SITE ENTRANCE AHEAD

Signing Project	LUU - HARP	Width (mm)	850	Background	Red
Sign Reference	TS1	Height (mm)	670	Border	White
x Height	75.0	Area (m ²)	0.56	Legend	White
Material	Class RA2				

Signing Project	LUU - HARP	Width (mm)	850	Background	White
Sign Reference	TS2	Height (mm)	750	Border	Red
x Height	75.0	Area (m ²)	0.38	Legend	Red
Material	Class RA2				Black

MARK UP INFORMATION

RED - Item to modify

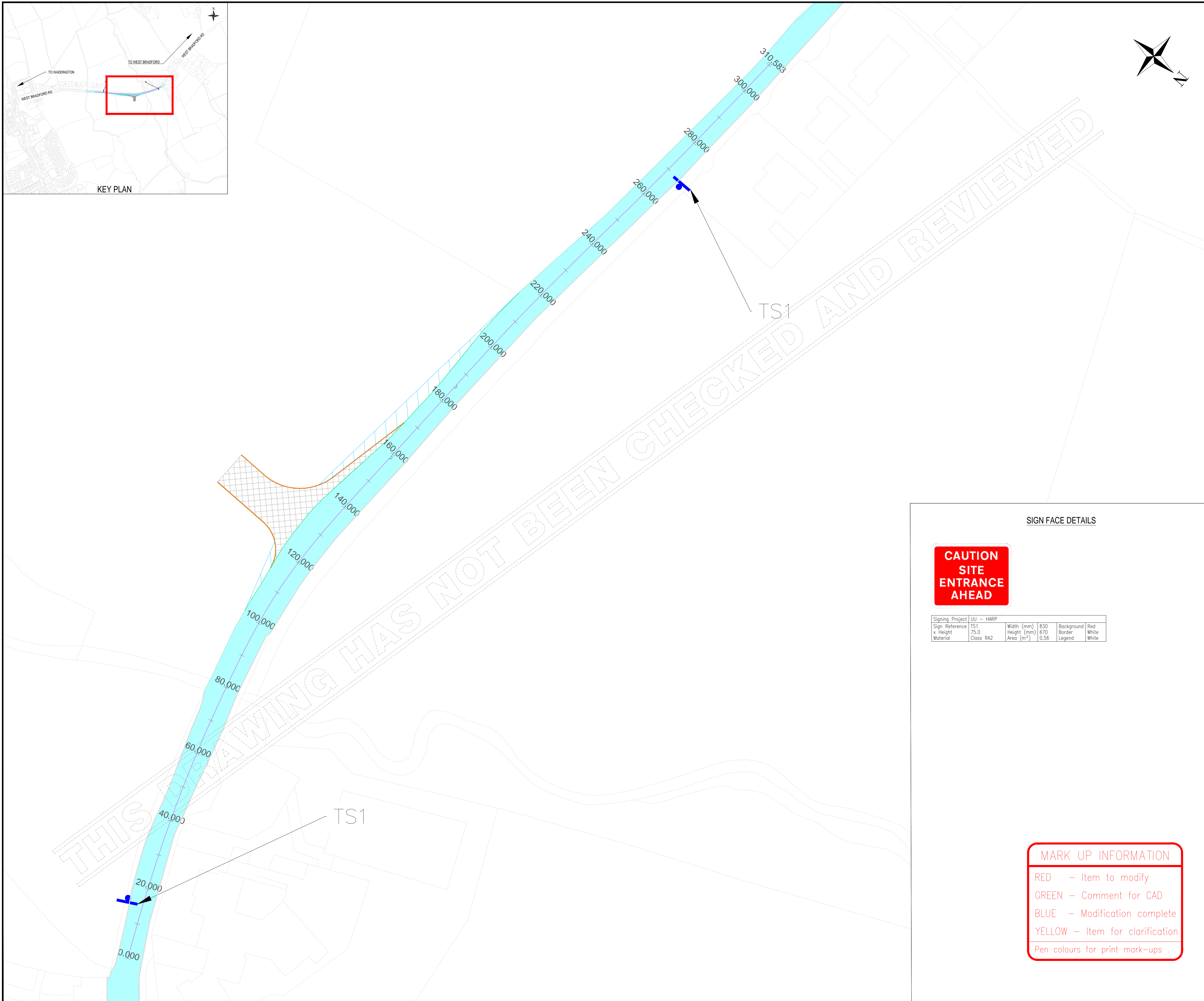
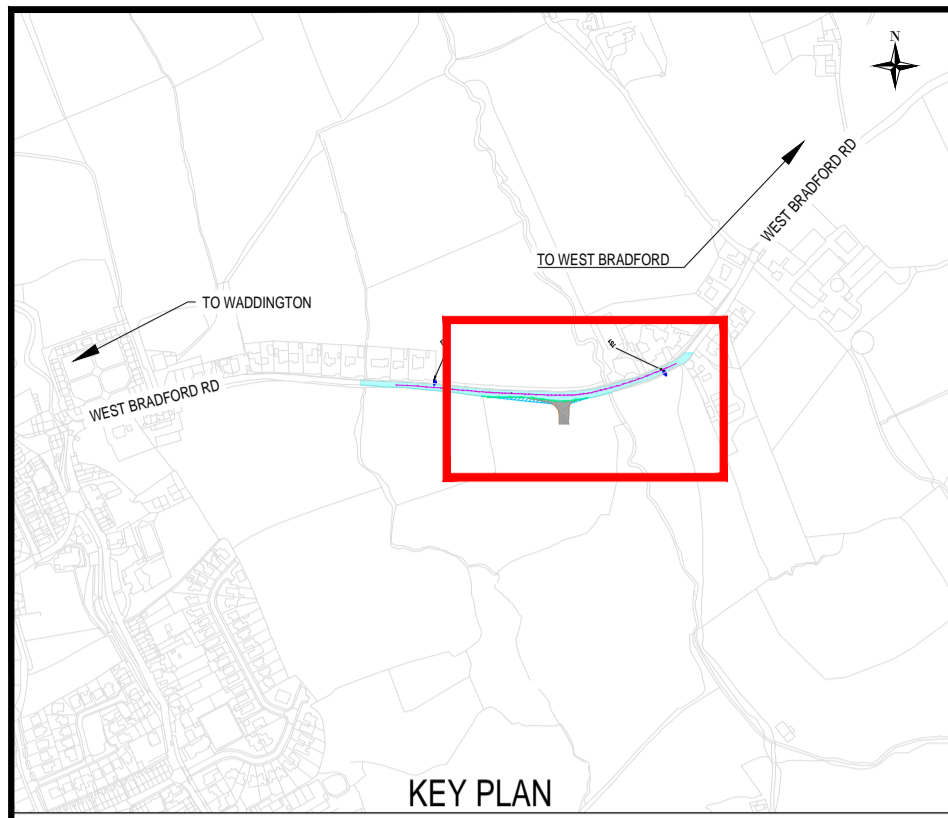
GREEN - Comment for CAD

BLUE - Modification complete

YELLOW - Item for clarification

Pen colours for print mark-ups

SCALE	1:200	SHEET SIZE	A1
DRAWING NUMBER	B27070CQ-JAC-XX-DR-C-TR4_GA-1212	REVISION	P01.2



NOTES

1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

GENERAL ARRANGEMENT

- EXISTING KERB/EDGE OF CARRIAGEWAY
- PROPOSED KERB
- CARRIAGEWAY WIDENING

TRAFFIC MANAGEMENT

- EXISTING 30MPH SPEED LIMIT
- PROPOSED TRAFFIC SIGN

SITE CLEARANCE

- EXISTING TRAFFIC SIGN TO BE RELOCATED
- FENCE TO BE REMOVED
- VEGETATION TO BE REMOVED

SIGN FACE DETAILS

Signing Project	LUU - HARP	Width (mm)	850	Background	Red
Sign Reference	TS1	Height (mm)	670	Border	White
x Height	75.0	Area (m ²)	0.56	Legend	White
Material	Class RA2				

MARK UP INFORMATION

- RED - Item to modify
- GREEN - Comment for CAD
- BLUE - Modification complete
- YELLOW - Item for clarification

Pen colours for print mark-ups

CURRENT ISSUE INFORMATION

P01.1	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
SO				WORK IN PROGRESS (WIP)	
SUITABILITY CODE	SUITABILITY DESCRIPTION				

HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

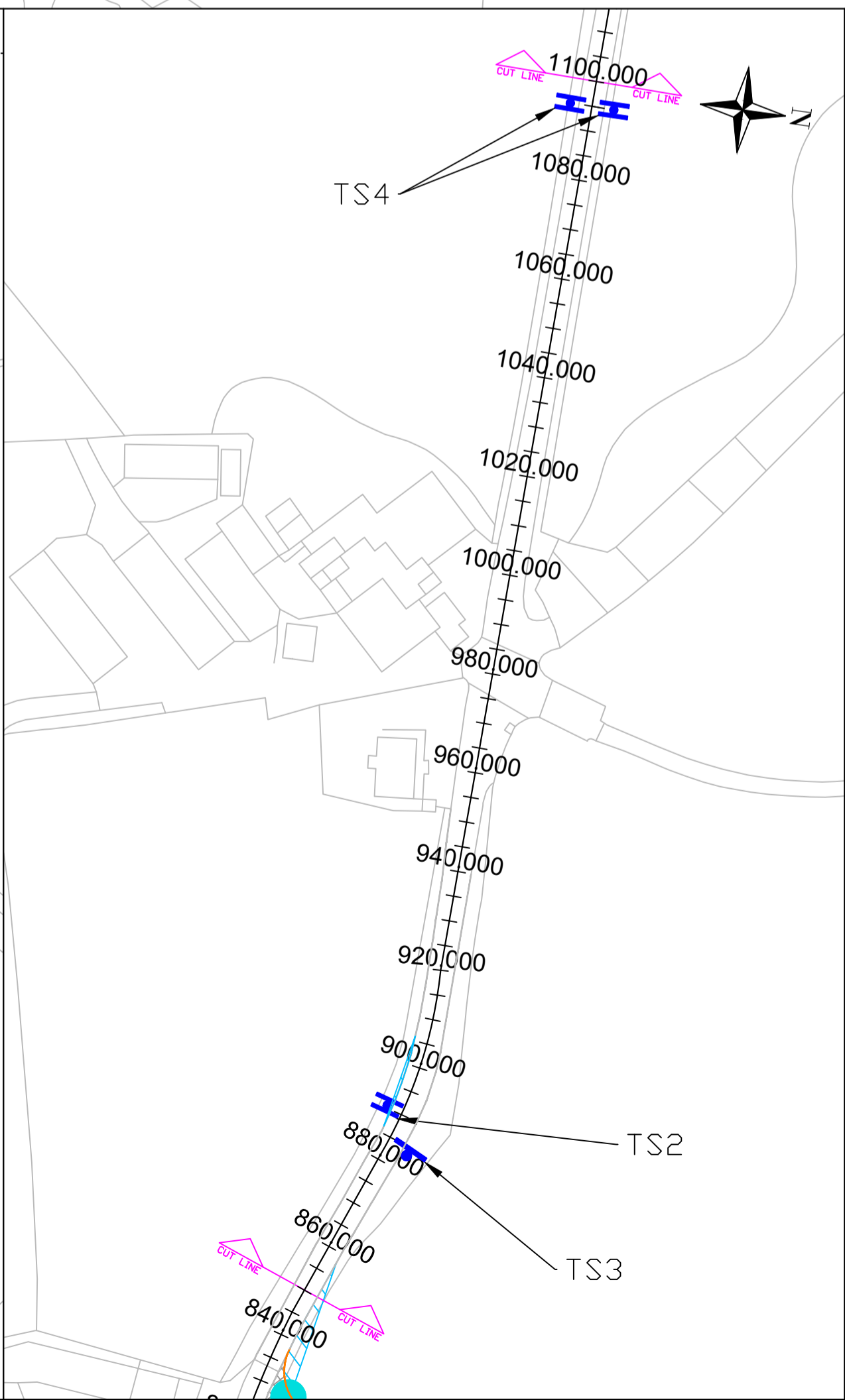
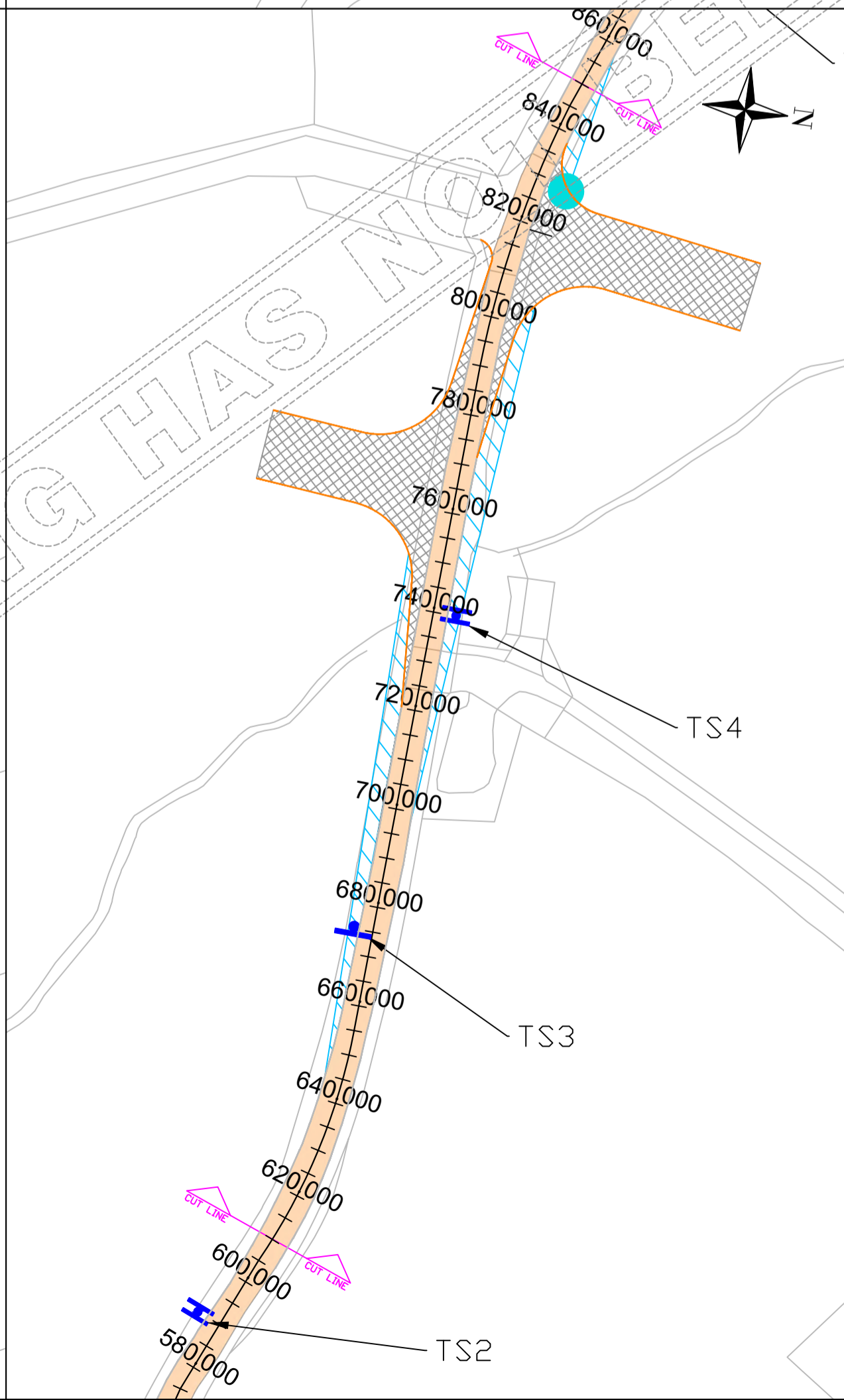
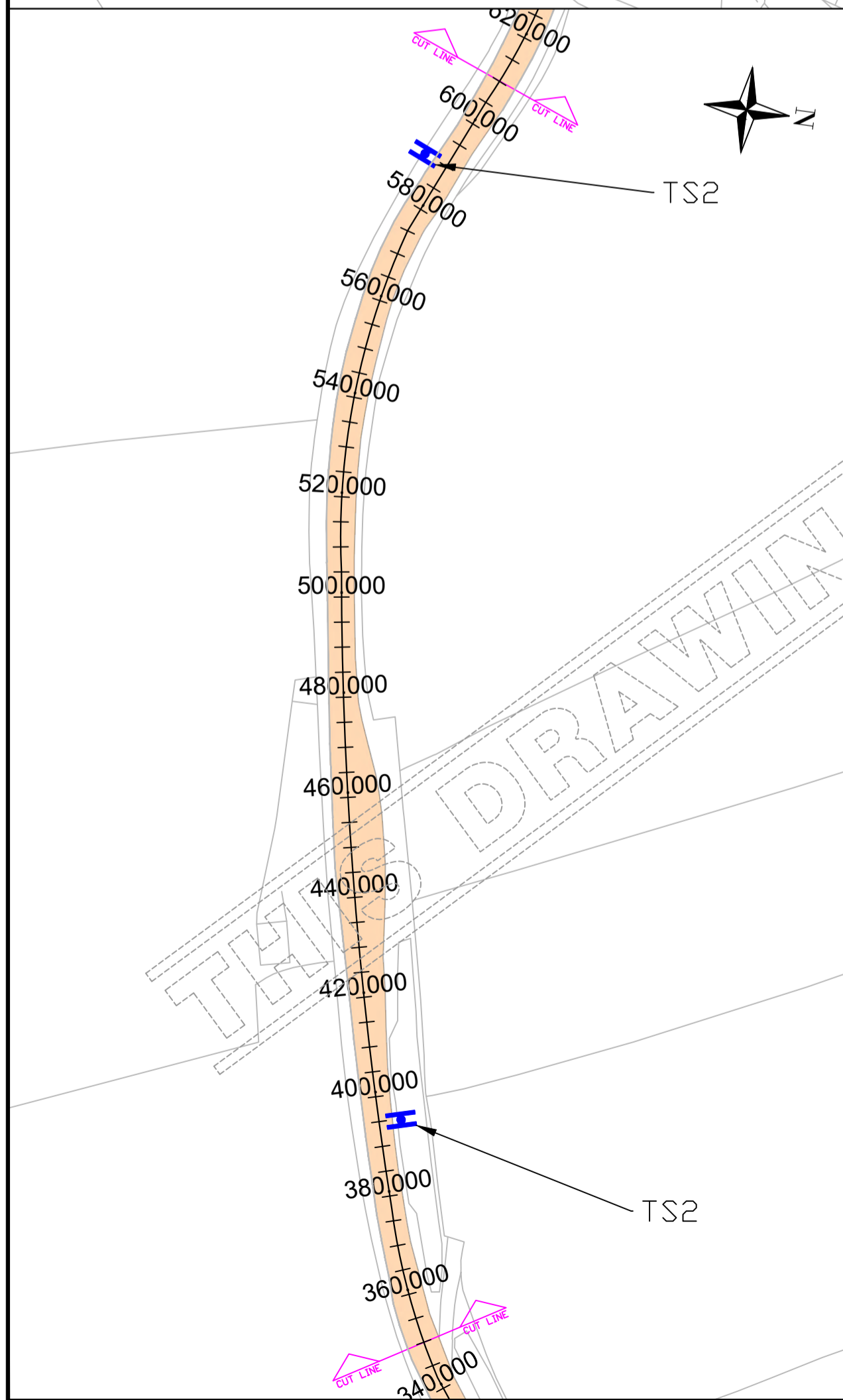
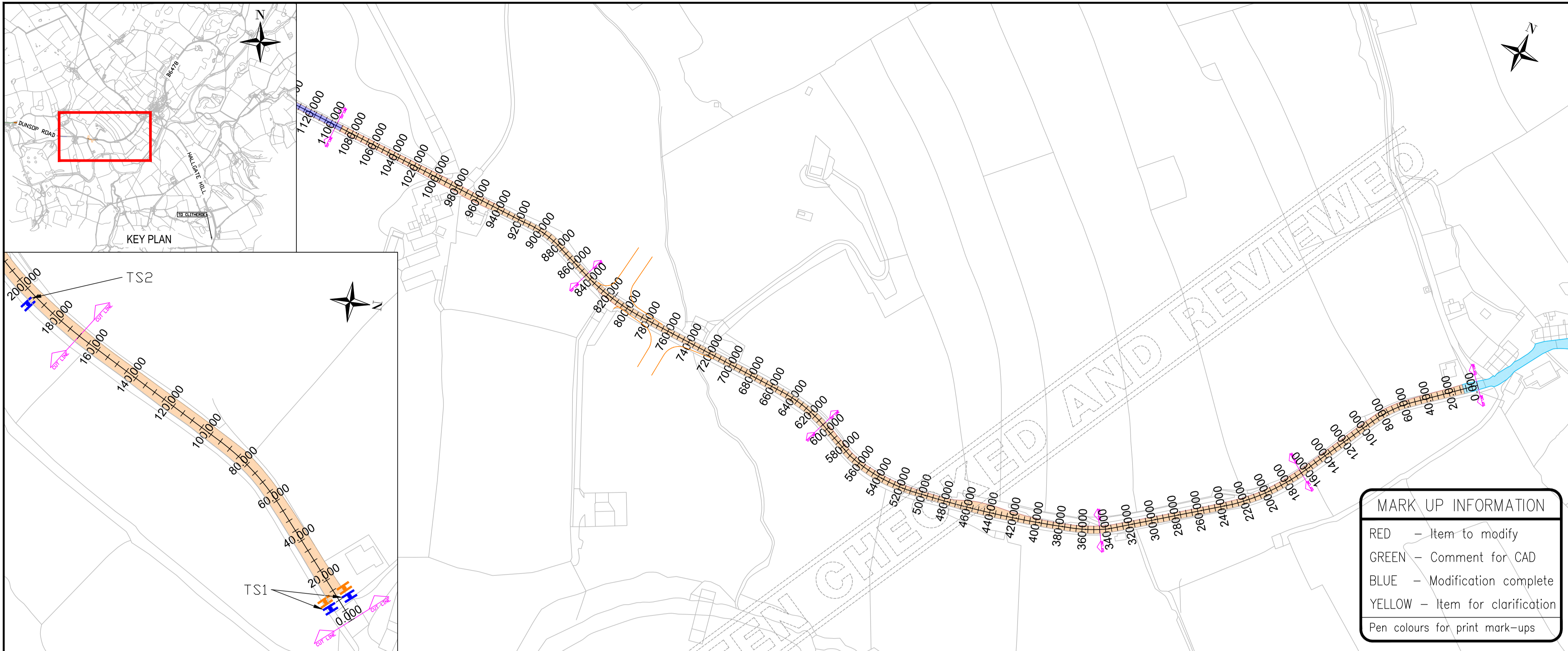
PROPOSED CLITHEROE SECTION

RIVER RIBBLE HAUL ROAD

WEST BRADFORD RD GOING TOWARDS WADDINGTON

GENERAL ARRANGEMENT

SCALE	1:500	SHEET SIZE	A1
DRAWING NUMBER	B27070CQ-JAC-XX-DR-C-TR4_GA-1213	REVISION	P01.1



SIGN FACE DETAILS



Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS1 - 670	75.0	600	600	0.28	White	Red	Black

Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS1 - 670	75.0	600	600	0.28	White	Red	Black



Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS2 - 670	75.0	300	300	0.07	White	Red	Black

Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS2 - 670	75.0	300	300	0.07	White	Red	Black



Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS3	75.0	830	670	0.56	Red	White	White



Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS4 - 670	75.0	600	600	0.28	White	Red	Black

Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS4	75.0	720	720	0.52	Yellow	Yellow	Black

Sign Reference	Height	Width	Height	Area	Background	Border	Legend
TS4	75.0	720	720	0.52	Yellow	Yellow	Black

NOTES
1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

- GENERAL ARRANGEMENT
- PROPOSED KERB
 - CARRIAGEWAY WIDENING
- TRAFFIC MANAGEMENT
- PROPOSED 50MPH SPEED LIMIT
 - PROPOSED 40MPH SPEED LIMIT
 - EXISTING 30MPH SPEED LIMIT
 - PROPOSED TRAFFIC SIGN
- SITE CLEARANCE
- EXISTING TRAFFIC SIGN TO BE REMOVED
 - VEGETATION TO BE REMOVED
 - EXISTING TREE TO BE REMOVED

CURRENT ISSUE INFORMATION

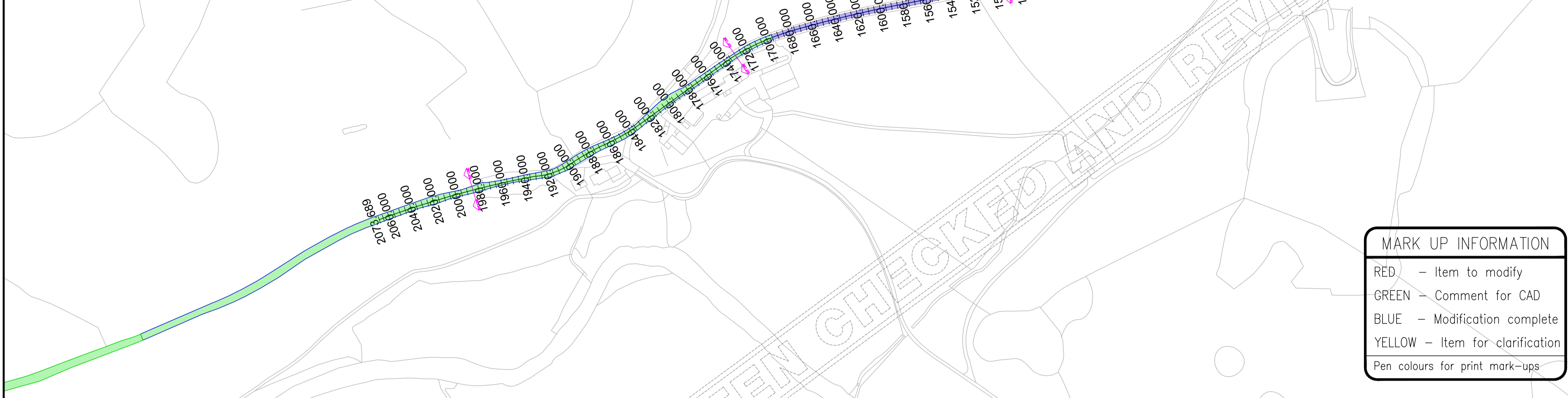
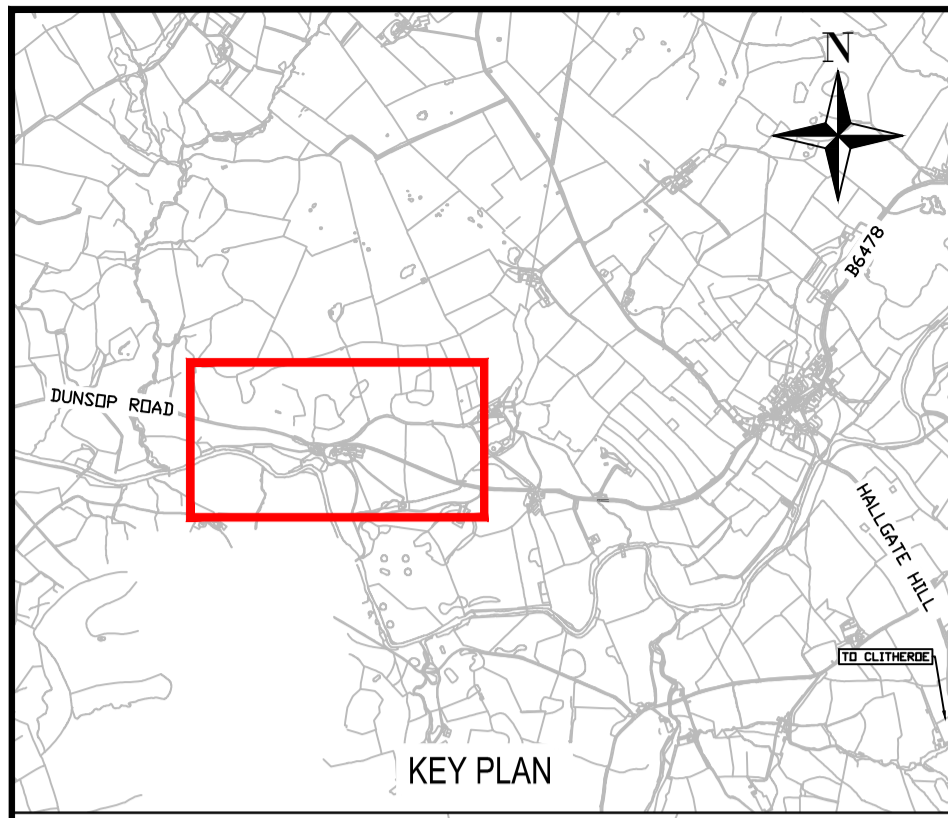
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VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0		WORK IN PROGRESS (WIP)			
SUITABILITY CODE		SUITABILITY DESCRIPTION			



HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
PROPOSED BOWLAND SECTION
NEWTON-IN-BOWLAND COMPOUND
GENERAL ARRANGEMENT
SHEET 1 OF 2

SCALE 1:2000 / 1:1000	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR3_GA-1202	REVISION P01.2

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MARK UP INFORMATION
 RED - Item to modify
 GREEN - Comment for CAD
 BLUE - Modification complete
 YELLOW - Item for clarification
 Pen colours for print mark-ups

NOTES
 1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

TRAFFIC MANAGEMENT

- PROPOSED 40MPH SPEED LIMIT
- PROPOSED 50MPH SPEED LIMIT
- EXISTING NATIONAL SPEED LIMIT
- PROPOSED RUMBLE STRIP ZONE
- PROPOSED TRAFFIC SIGN

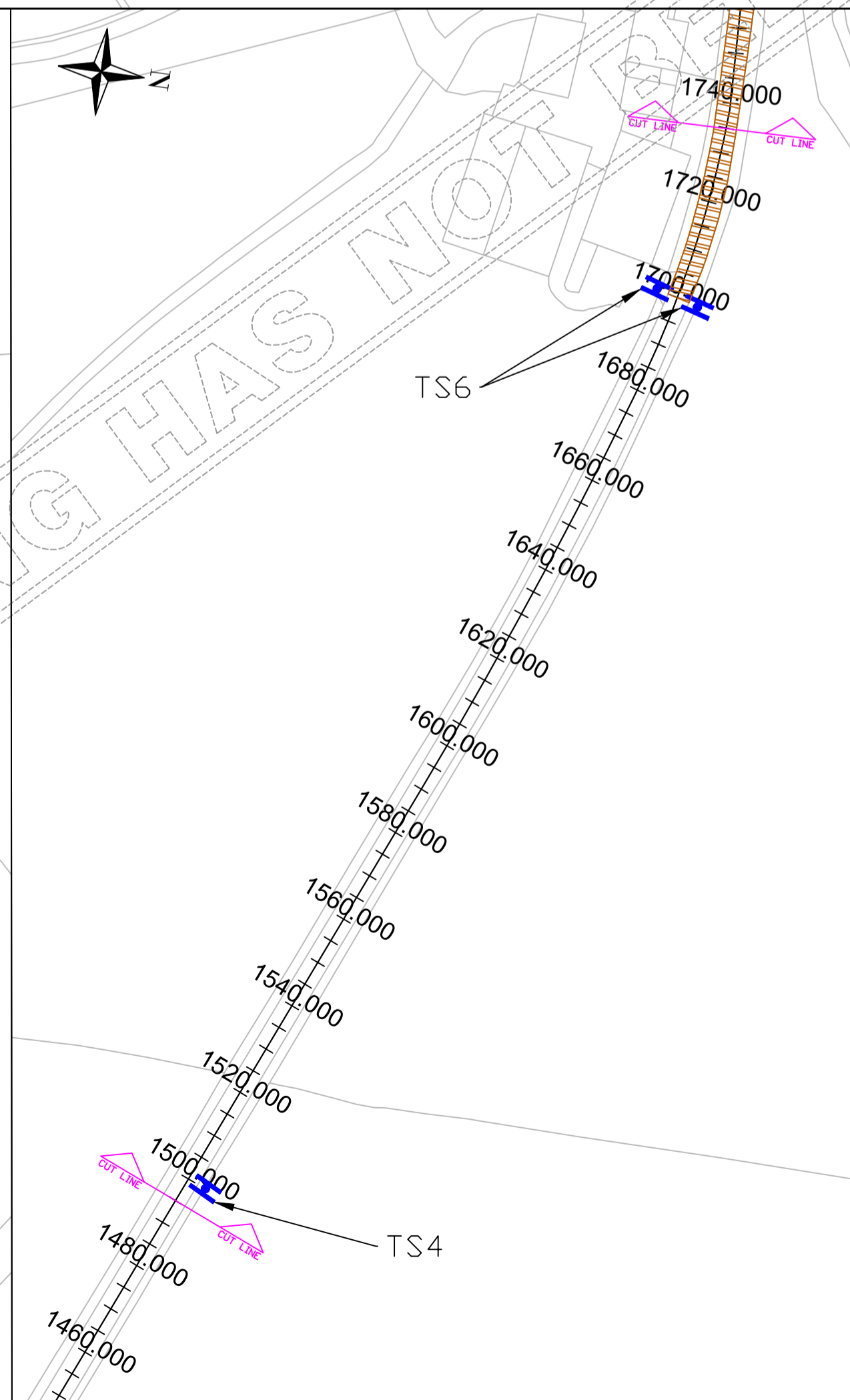
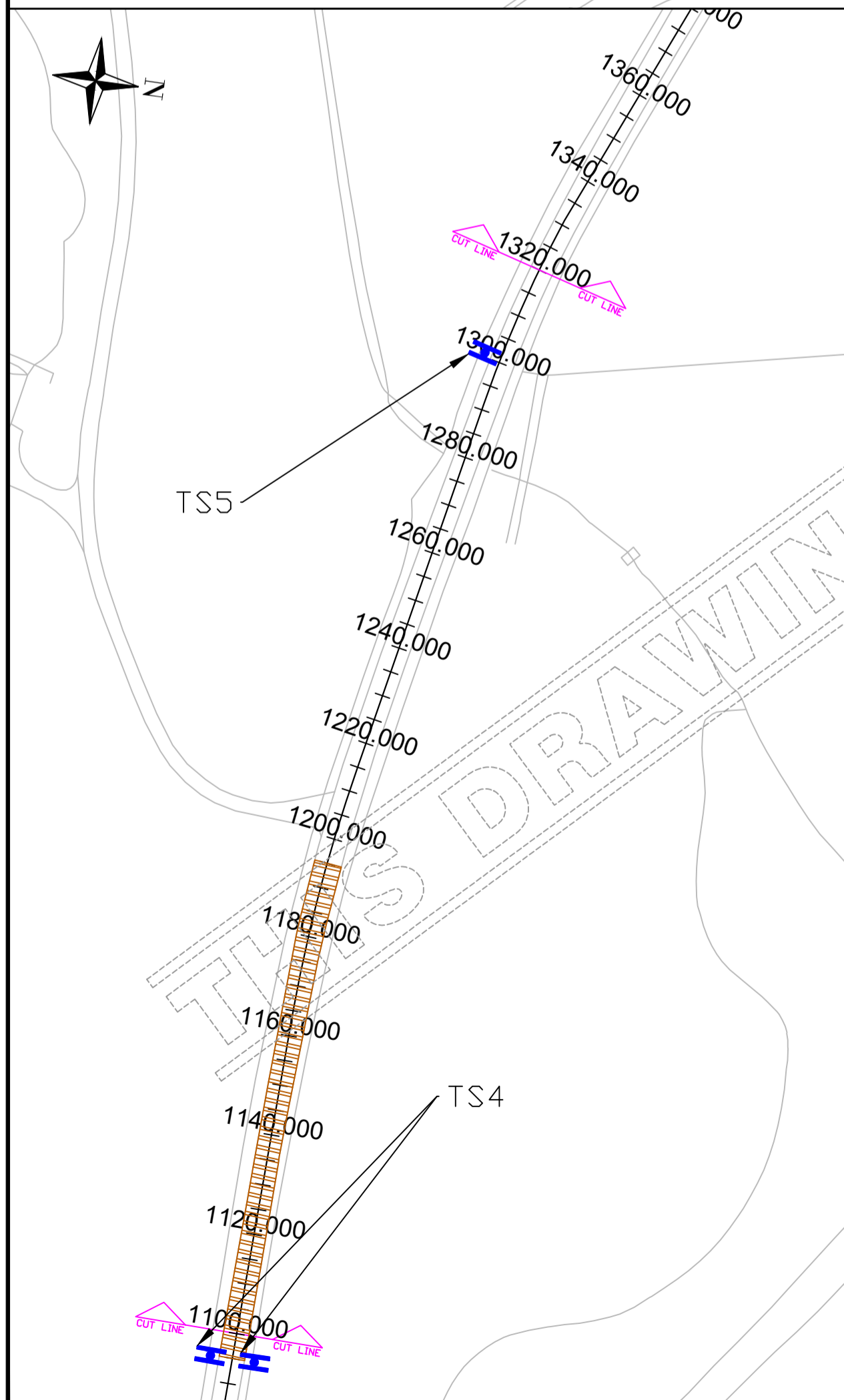
CURRENT ISSUE INFORMATION

P01.2	HS	SP	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0		WORK IN PROGRESS (WIP)			
SUITABILITY CODE		SUITABILITY DESCRIPTION			

United Utilities
 Water for the North West

HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
 PROPOSED BOWLAND SECTION
 NEWTON-IN-BOWLAND COMPOUND
 GENERAL ARRANGEMENT
 SHEET 2 OF 2

SCALE	1:2000 / 1:1000	SHEET SIZE	A1
DRAWING NUMBER	B27070CQ-JAC-XX-DR-C-TR3_GA-1203	REVISION	P01.2



SIGN FACE DETAILS

Signing Project UU - HARP	
Sign Reference TS4 - 670	Width (mm) 600
x Height 75.0	Height (mm) 600
Material Class RA2	Area (m ²) 0.28
	Background White
	Border Red
	Legend Black

Signing Project UU - HARP	
Sign Reference TS4	Width (mm) 720
x Height 75.0	Height (mm) 720
Material Class RA2	Area (m ²) 0.52
	Background Yellow
	Border Yellow
	Legend -

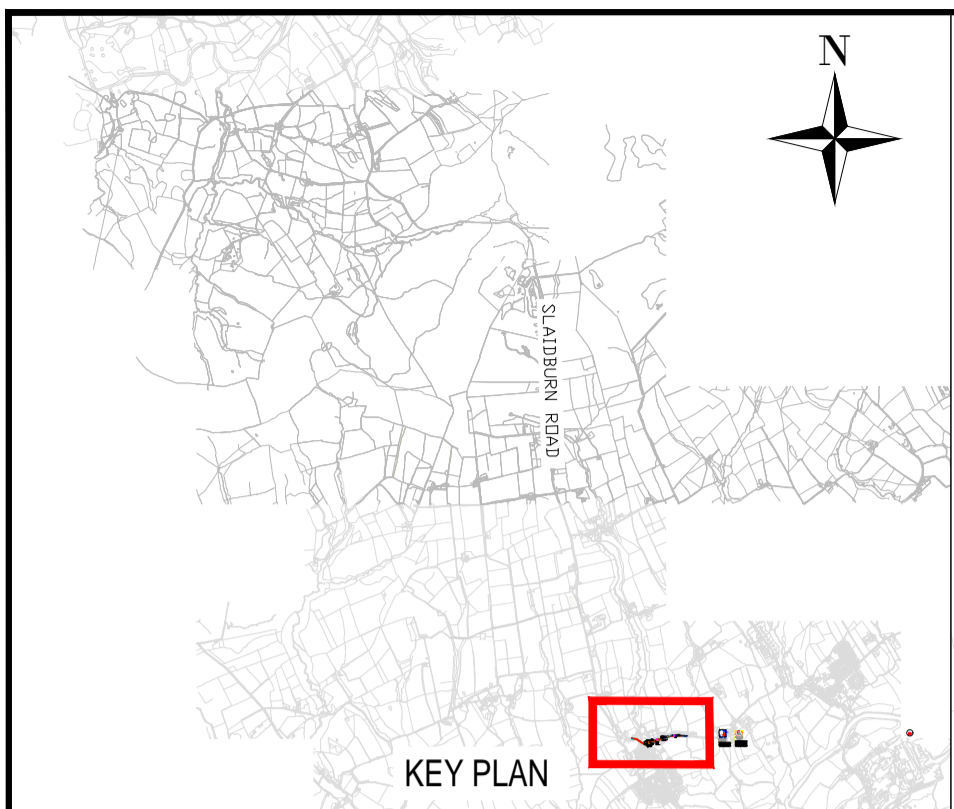
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Sign Reference TS5	Width (mm) 450
x Height 75.0	Height (mm) 450
Material Class RA2	Area (m ²) 0.18
	Background White
	Border Red
	Legend Black

Signing Project UU - HARP	
Sign Reference TS5	Width (mm) 450
x Height 75.0	Height (mm) 450
Material Class RA2	Area (m ²) 0.18
	Background White
	Border Red
	Legend Black

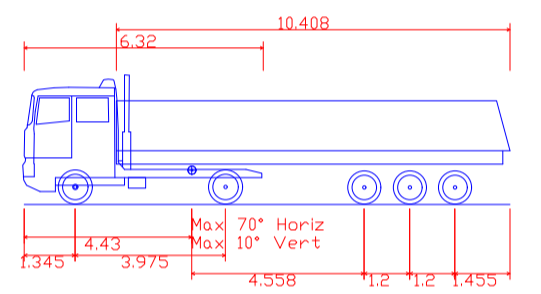
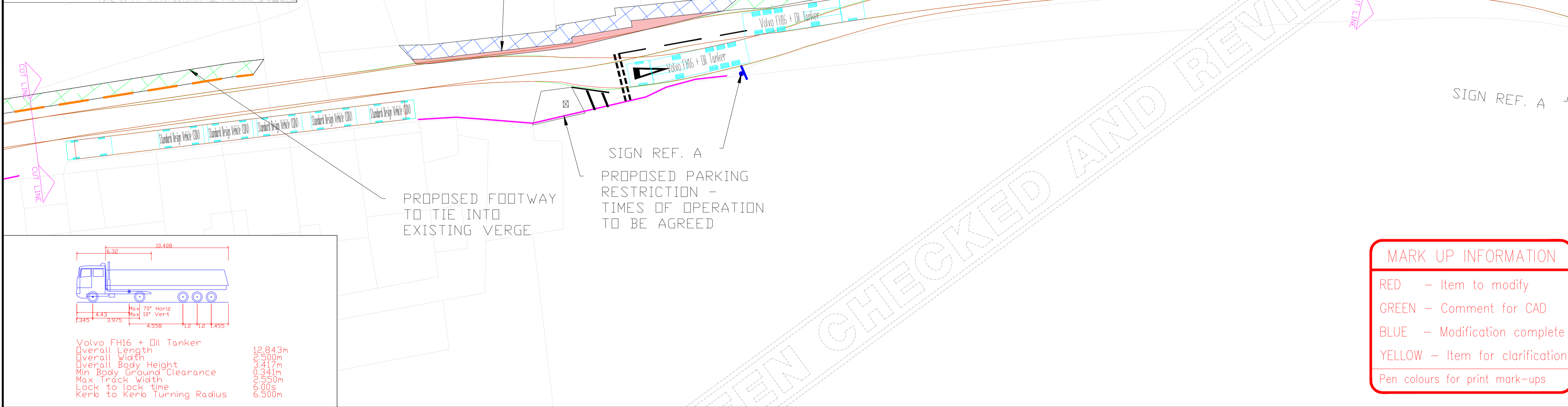
Signing Project UU - HARP	
Sign Reference TS6 - 671	Width (mm) 600
x Height 75.0	Height (mm) 600
Material Class RA2	Area (m ²) 0.28
	Background White
	Border White
	Legend White

Signing Project UU - HARP	
Sign Reference TS6 - 670	Width (mm) 600
x Height 75.0	Height (mm) 600
Material Class RA2	Area (m ²) 0.28
	Background White
	Border Red
	Legend Black

Signing Project UU - HARP	
Sign Reference TS6	Width (mm) 720
x Height 75.0	Height (mm) 720
Material Class RA2	Area (m ²) 0.52
	Background Yellow
	Border Yellow
	Legend -



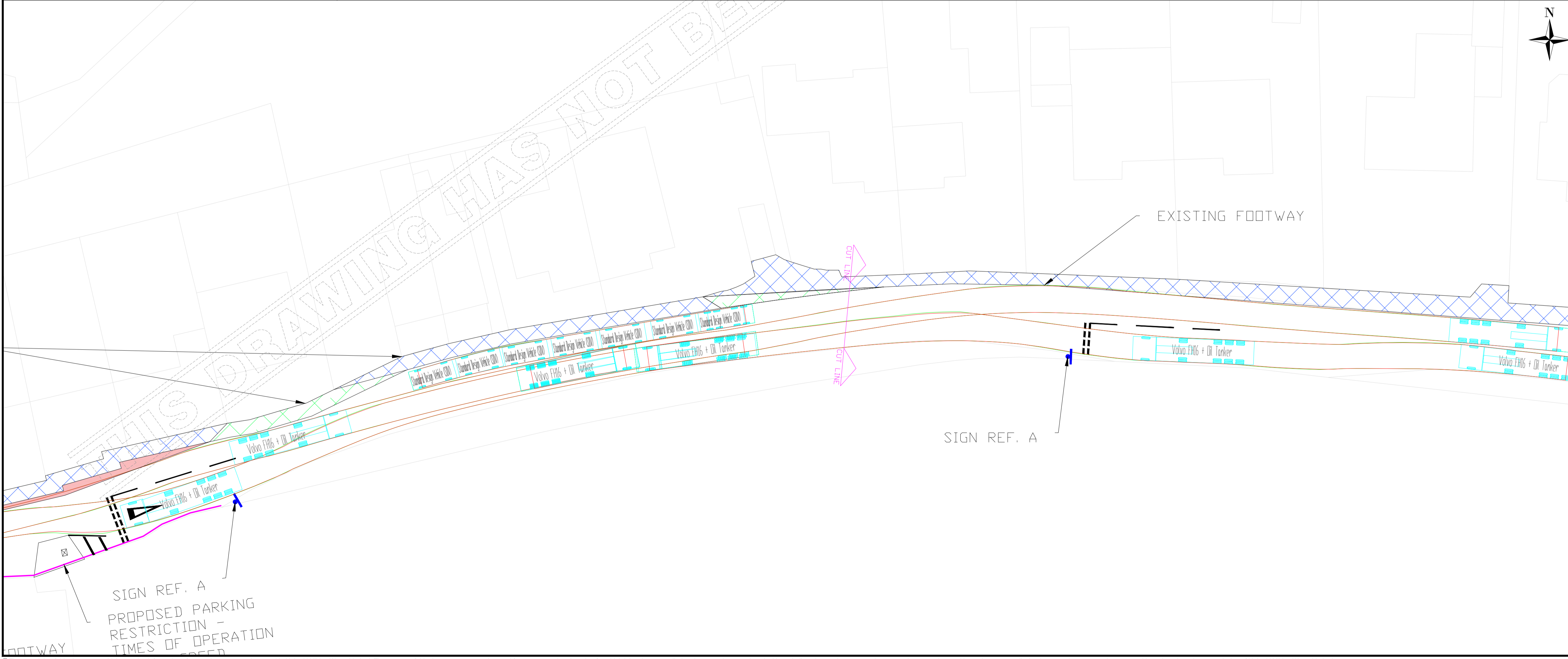
EXISTING FOOTWAY TO BE REDUCED TO 1.5M AND EXTENDED TO TIE IN WITH ADDITIONAL EXISTING FOOTWAY



Volvo FH16 + Oil Tanker	
Overall Length	12.843m
Overall Width	3.500m
Overall Body Height	3.417m
Min Body Ground Clearance	0.341m
Max Track Width	0.550m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.500m

MARK UP INFORMATION

RED - Item to modify
GREEN - Comment for CAD
BLUE - Modification complete
YELLOW - Item for clarification
Pen colours for print mark-ups



NOTES

1. DO NOT SCALE FROM THIS DRAWING.

	Signs Project: Waddington Village Sig. Reference: E2.5, R02 Height: 2.5m Area: 1.75m ² Background: Yellow Border: Black Legend: R02		Signs Project: Waddington Village Sig. Reference: E2.5, R02 Height: 2.5m Area: 1.75m ² Background: White Border: Black Legend: R02
	Signs Project: Waddington Village Sig. Reference: E2.5, R02 Height: 2.5m Area: 1.75m ² Background: White Border: Black Legend: R02		Signs Project: Waddington Village Sig. Reference: E2.5, R02 Height: 2.5m Area: 1.75m ² Background: White Border: Black Legend: R02



LEGEND

	WAND WALKERS
	PARKING RESTRICTIONS
	PROPOSED SIGN
	ROAD MARKINGS
	PROPOSED BUS STOP
	PROPOSED PEDESTRIAN FOOTWAY REDUCTION
	EXISTING ON ROAD PEDESTRIAN FOOTWAY
	PROPOSED ON ROAD PEDESTRIAN FOOTWAY

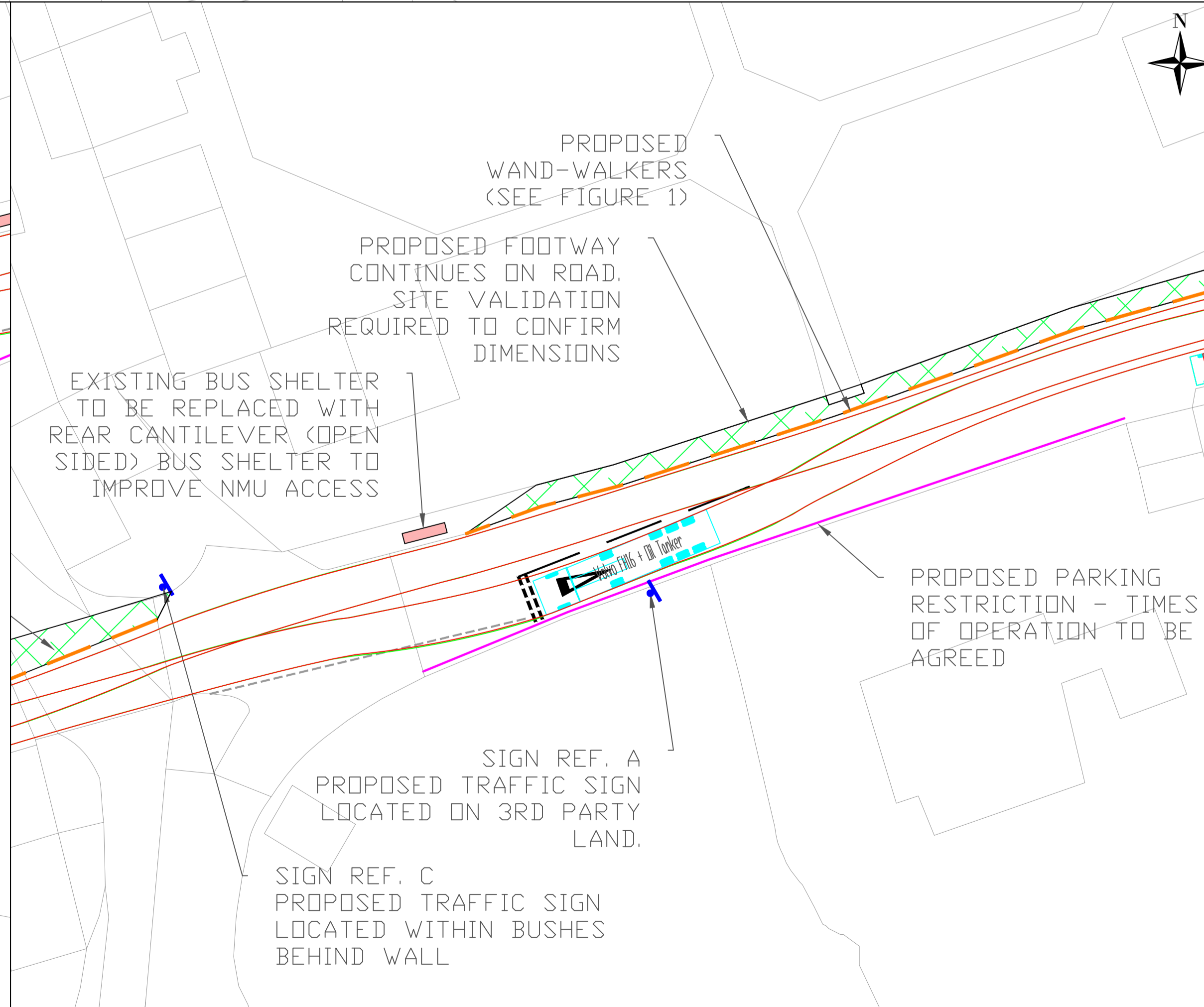
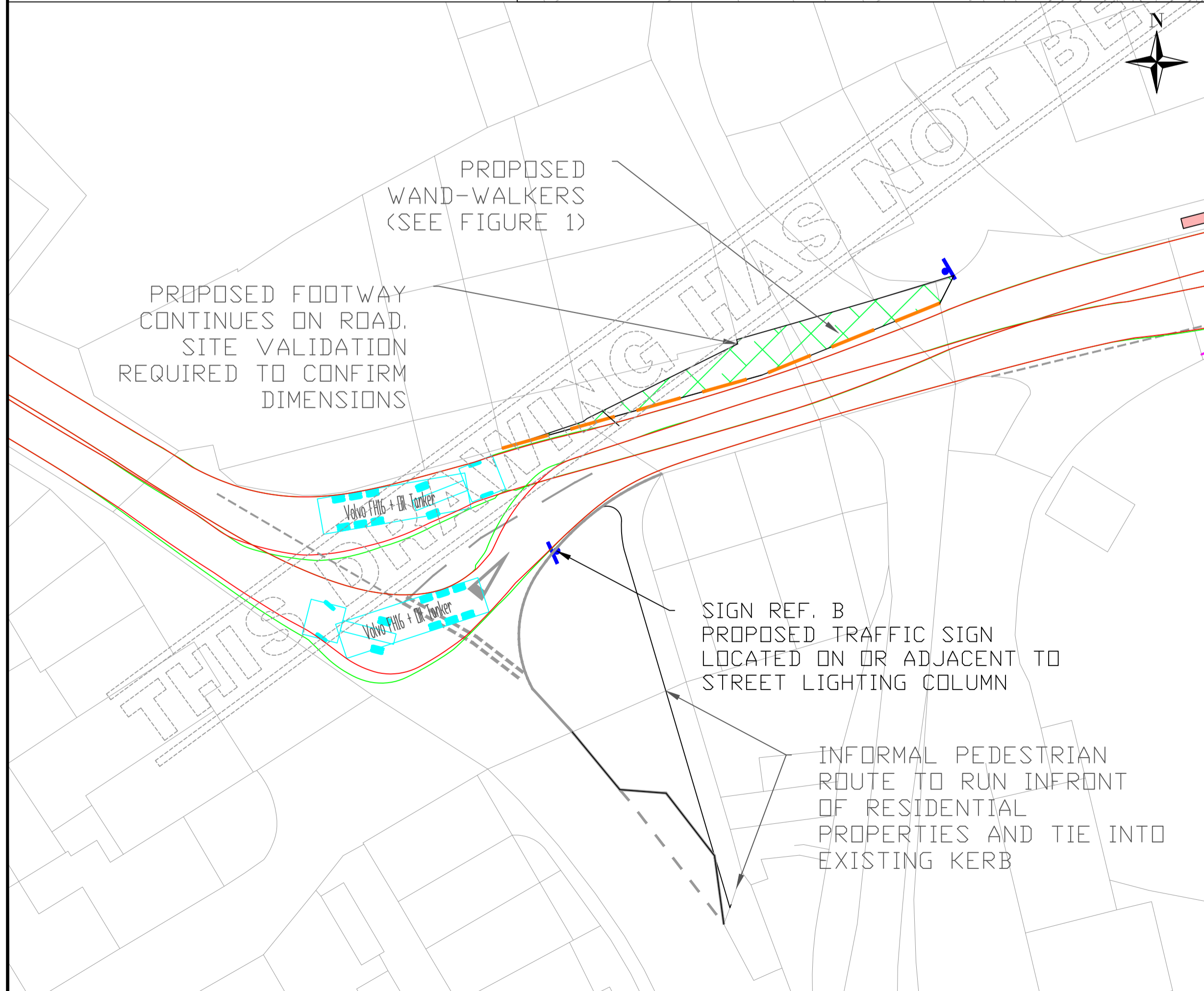
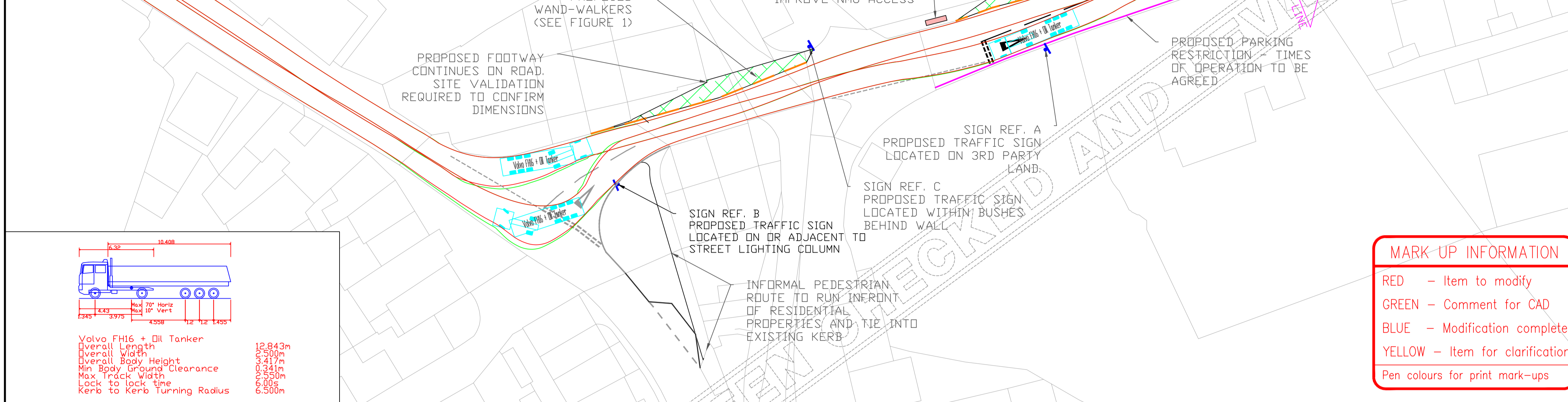
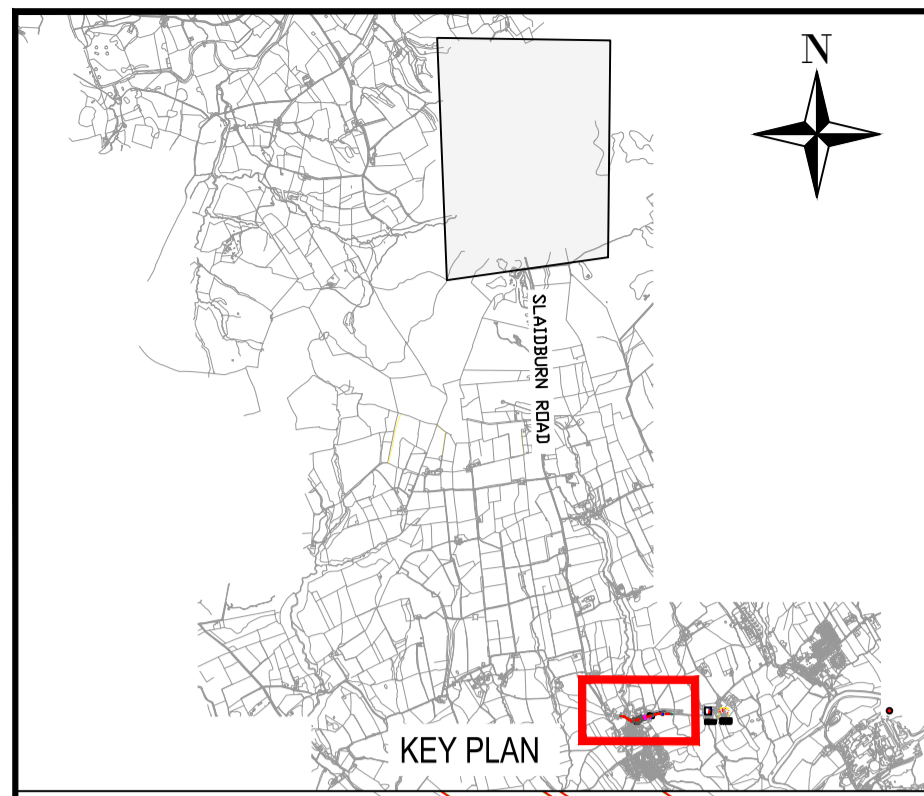
CURRENT ISSUE INFORMATION

P01	HS	--	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0				WORK IN PROGRESS (WIP)	
SUITABILITY CODE	SUITABILITY DESCRIPTION				



HAWESWATER AQUEDUCT RESILIENCE PROGRAMME
PROPOSED MARL HILL SECTION - WADDINGTON VILLAGE
PROPOSED GIVE WAY SECTION
ADDITIONAL PEDESTRIAN MEASURES
VEHICLE TRACKING - 13m VEHICLE

SCALE 1:250	SHEET SIZE A1
DRAWING NUMBER B27070CQ-JAC-XX-DR-C-TR4_WV-1106	REVISION P01



NOTES

- DO NOT SCALE FROM THIS DRAWING.

Sign Project	Background	Sign	Min (mm)	Max (mm)	Background	Sign	Min (mm)	Max (mm)	Background	Sign	Min (mm)	Max (mm)
1	Blue	Red	100	100	Blue	White	100	100	Blue	White	100	100
2	Blue	White	100	100	Blue	White	100	100	Blue	White	100	100
3	Blue	White	100	100	Blue	White	100	100	Blue	White	100	100
4	Blue	White	100	100	Blue	White	100	100	Blue	White	100	100

LEGEND

- WAND WALKERS
- PARKING RESTRICTIONS
- PROPOSED SIGN
- ROAD MARKINGS
- PROPOSED BUS STOP
- PROPOSED PEDESTRIAN FOOTWAY REDUCTION
- EXISTING PEDESTRIAN FOOTWAY
- PROPOSED ON ROAD PEDESTRIAN FOOTWAY

MARK UP INFORMATION

- RED - Item to modify
- GREEN - Comment for CAD
- BLUE - Modification complete
- YELLOW - Item for clarification

Pen colours for print mark-ups

CURRENT ISSUE INFORMATION

P01	LB	--	--	--	--
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
S0				WORK IN PROGRESS (WIP)	
SUITABILITY CODE	SUITABILITY DESCRIPTION				

Water for the North West

HAWESWATER AQUEDUCT RESILIENCE PROGRAMME

PROPOSED MARL HILL SECTION - WADDINGTON VILLAGE

PROPOSED GIVE WAY SECTION

ADDITIONAL PEDESTRIAN MEASURES - OPTION 1 NO LAND TAKE

VEHICLE TRACKING - 13m VEHICLE

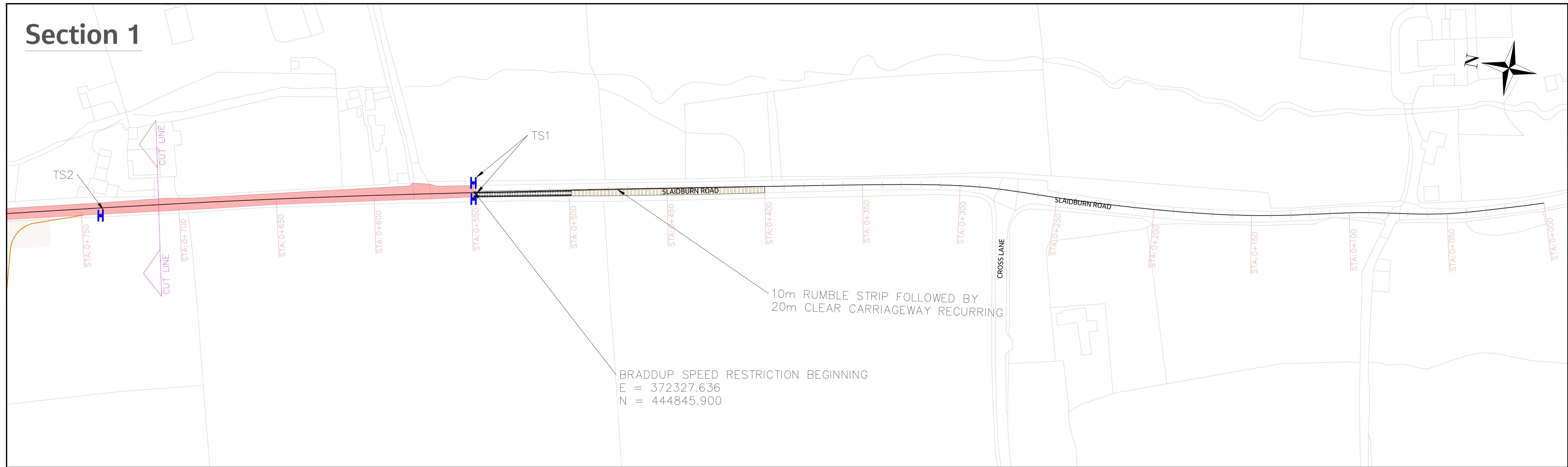
SCALE: 1:500 / 1:250

DRAWING NUMBER: B27070CQ-Q-JAC-XX-DR-C-TR4_WV-1104

SHEET SIZE: A1

REVISION: P01

Section 1



Section 2



Projects\B27070BW - Haweswater Aqueduct Renewal\5. Project Work\A.E. Drawings & OS Tiles\1. Swept path Analysis\4. Working - 25/01/2022 08:26:16 - B27070CQ-JAC-XX-DR-C-TR4_GA-1214 - HS074623

Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Appr'd
P01	2022-01-24		HS	SP	SP	

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NOTES

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LEGEND

TRAFFIC MANAGEMENT	
	PROPOSED 30MPH SPEED LIMIT
	EXISTING NATIONAL SPEED LIMIT (60MPH)
	PROPOSED RUMBLE STRIP ZONE
	PROPOSED TRAFFIC SIGN
	PROPOSED DRAGON TEETH MARKING

SIGNAGE

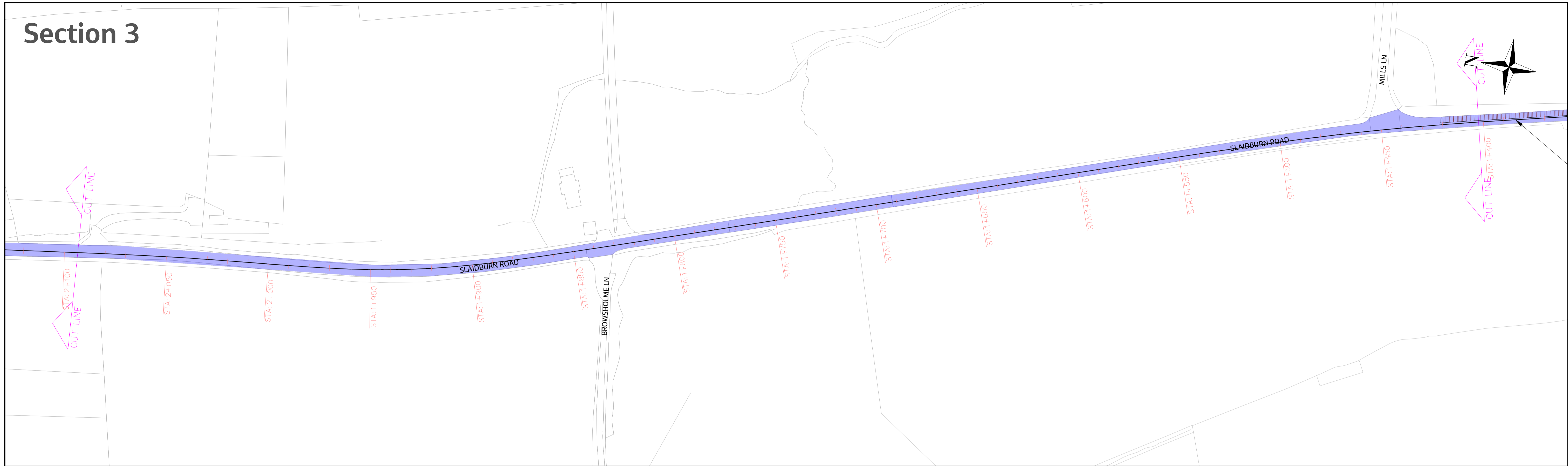
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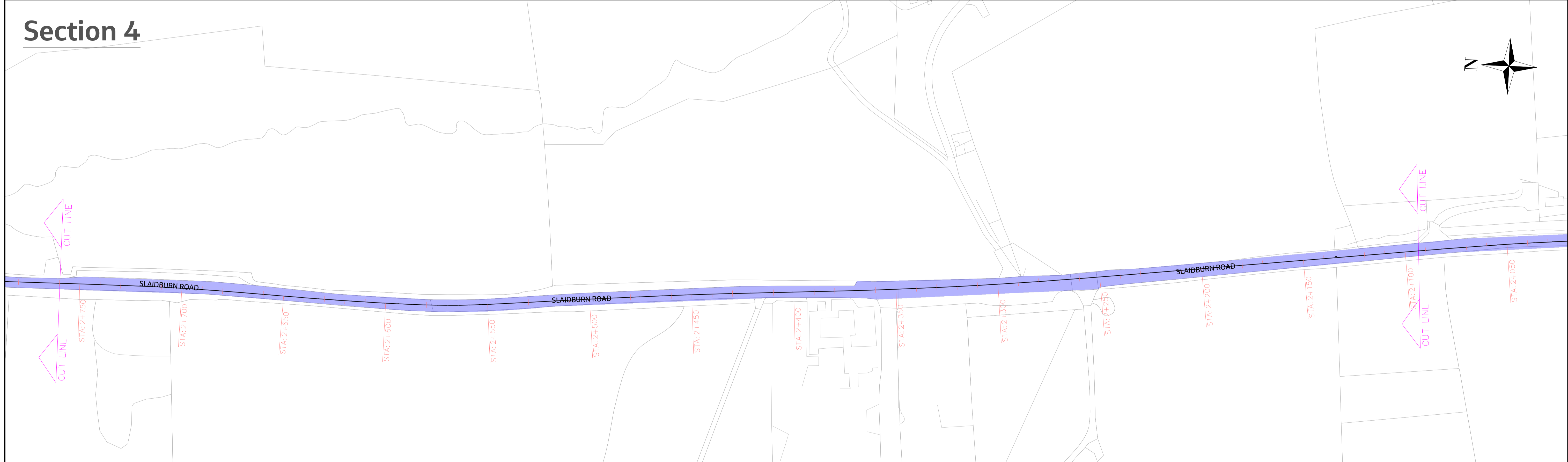
Project: **Haweswater Aqueduct Resilience Programme**

Drawing title		PROPOSED BOWLAND SECTION	
		LOWER HOUSES COMPOUND - TR3 - ROUTE 1/ROUTE 2	
		PROPOSED SPEED RESTRICTIONS - SLAIDBURN RD TO HALLGATE HILL	
		SECTION 1 & 2	
Drawing status		DRAFT	Suitability SO
Scale	1:1000@A1	DO NOT SCALE	
Jacobs No.	B27070CQ	Rev	
Client No.		P01	
Drawing number		B27070CQ-JAC-XX-DR-C-TR4_GA-1214	

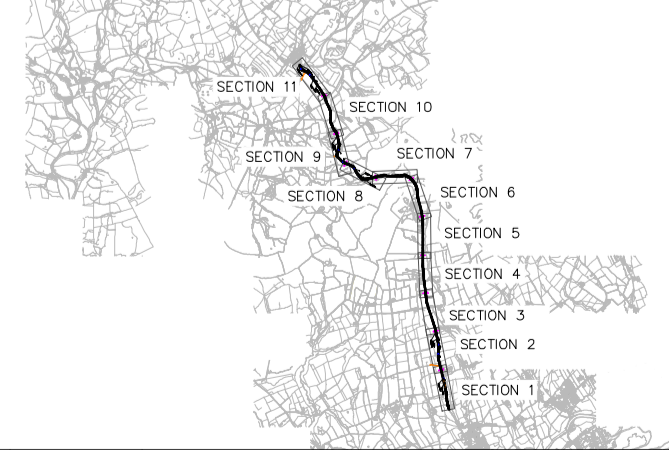
Section 3



Section 4



Projects\B27070BW - Haweswater Aqueduct Renewal\5. Project Work\A.E. Drawings & OS Tiles\1. Swept path Analysis\4. Working - 25/01/2022 08:26:54 - B27070CQ-JAC-XX-DR-C-TR4_GA-1215 - HS074623



Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Apprv'd
P01	2022-01-24		HS	SP	SP	

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LEGEND

TRAFFIC MANAGEMENT

- PROPOSED 30MPH SPEED LIMIT
- EXISTING NATIONAL SPEED LIMIT (60MPH)
- PROPOSED RUMBLE STRIP ZONE
- I PROPOSED TRAFFIC SIGN
- PROPOSED DRAGON TEETH MARKING

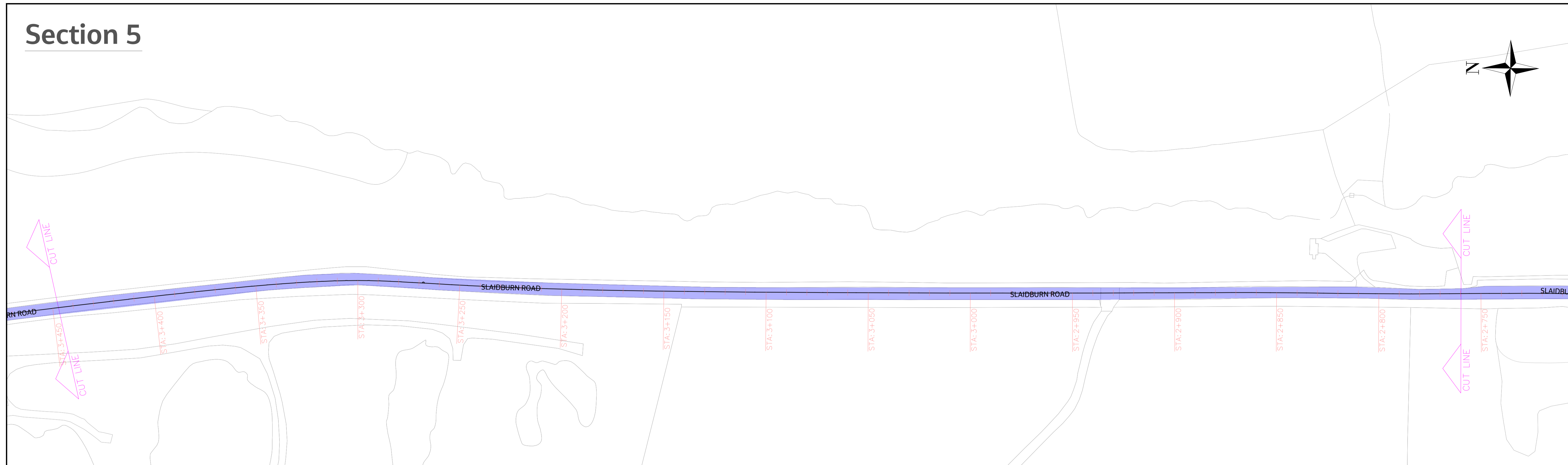
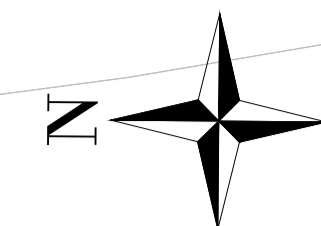
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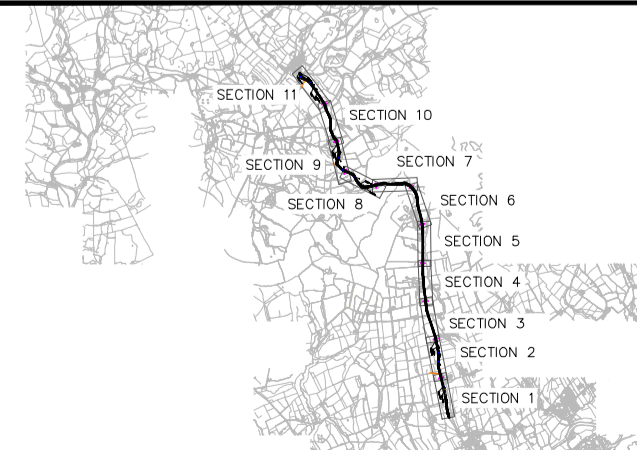
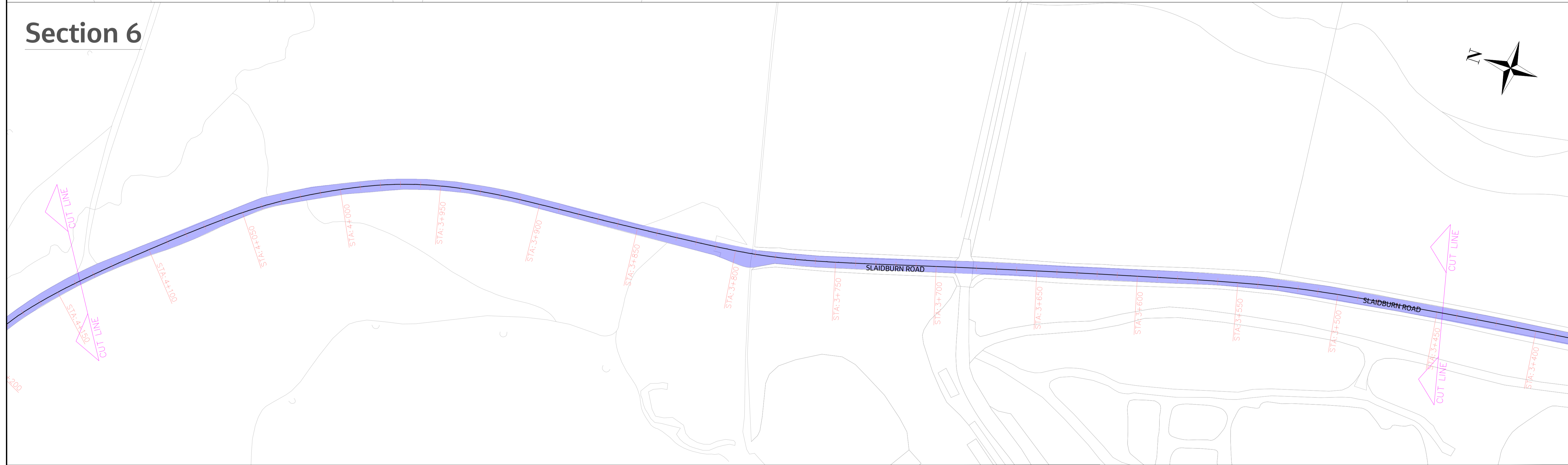
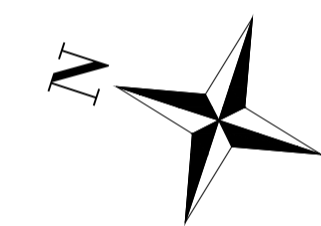
Project
Haweswater Aqueduct Resilience Programme

Drawing title		PROPOSED BOWLAND SECTION LOWER HOUSES COMPOUND - TR3 - ROUTE 1/ROUTE 2 PROPOSED SPEED RESTRICTIONS - SLAIDBURN RD TO HALLGATE HILL SECTION 3 & 4	
Drawing status		DRAFT	Suitability SO
Scale	1:1000@A1	DO NOT SCALE	
Jacobs No.	B27070CQ	Rev	
Client No.		Rev	P01
Drawing number B27070CQ-JAC-XX-DR-C-TR4_GA-1215			

Section 5



Section 6



NOTES
1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

TRAFFIC MANAGEMENT

	PROPOSED 30MPH SPEED LIMIT
	EXISTING NATIONAL SPEED LIMIT (60MPH)
	PROPOSED RUMBLE STRIP ZONE
	PROPOSED TRAFFIC SIGN
	PROPOSED DRAGON TEETH MARKING

Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Apprv'd
P01	2022-01-24		HS	SP	SP	

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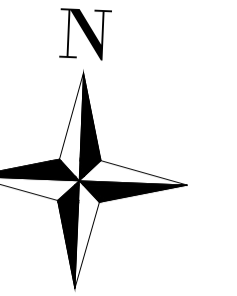
Project
Haweswater Aqueduct Resilience Programme

Drawing title
PROPOSED BOWLAND SECTION
LOWER HOUSES COMPOUND - TR3 - ROUTE 1/ROUTE 2
PROPOSED SPEED RESTRICTIONS - SLAIDBURN RD TO HALLGATE HILL
SECTION 5 & 6

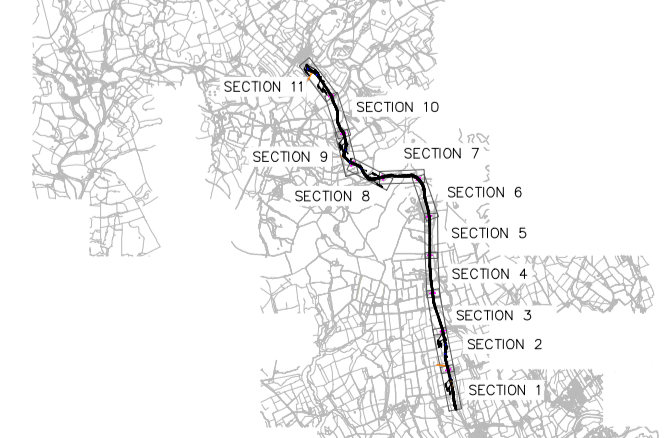
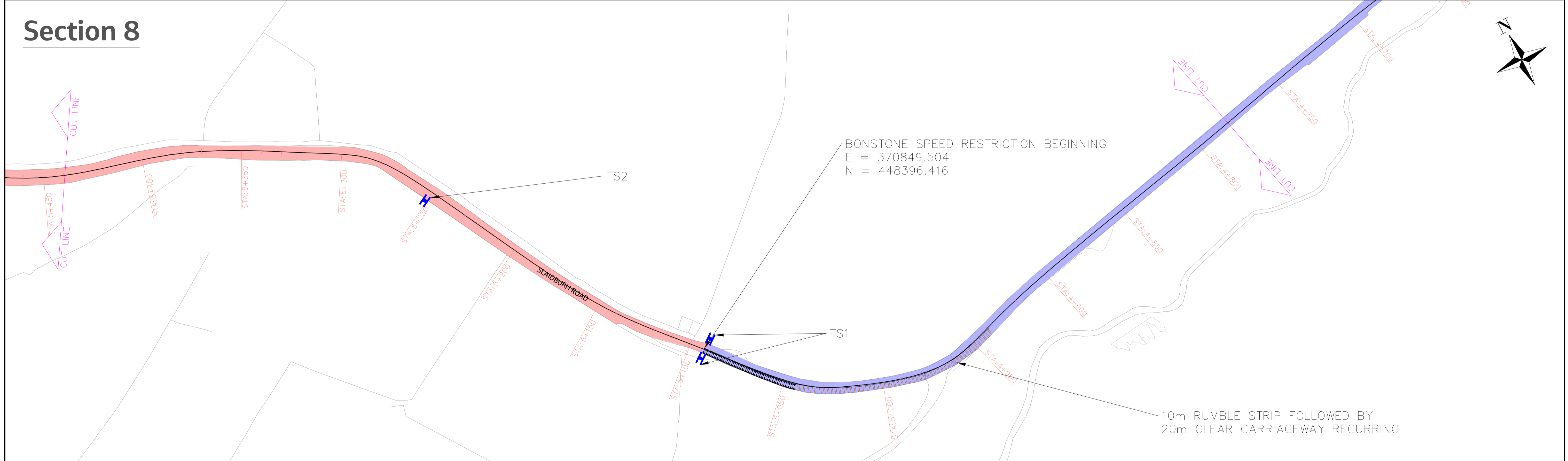
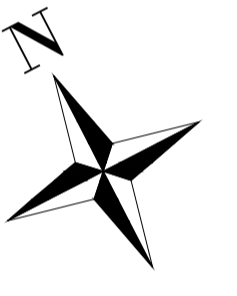
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Jacobs No.	B27070CQ	Rev	
Client No.		Rev	P01
Drawing number	B27070CQ-JAC-XX-DR-C-TR4_GA-1216		

Projects\B27070BW - Haweswater Aqueduct Renewal\5. Project Work\A.E. Drawings & OS Tiles\1. Swept path Analysis\4. Working - 25/01/2022 08:27:32 - B27070CQ-JAC-XX-DR-C-TR4_GA-1216 - HS074623

Section 7



Section 8



NOTES
1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

TRAFFIC MANAGEMENT	
	PROPOSED 30MPH SPEED LIMIT
	EXISTING NATIONAL SPEED LIMIT (60MPH)
	PROPOSED RUMBLE STRIP ZONE
	PROPOSED TRAFFIC SIGN
	PROPOSED DRAGON TEETH MARKING

SIGNAGE

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Project: **Haweswater Aqueduct Resilience Programme**

Drawing title		PROPOSED BOWLAND SECTION	
		LOWER HOUSES COMPOUND - TR3 - ROUTE 1/ROUTE 2	
		PROPOSED SPEED RESTRICTIONS - SLAIDBURN RD TO HALLGATE HILL	
		SECTION 7 & 8	
Drawing status		DRAFT	Suitability SO
Scale	1:1000@A1	DO NOT SCALE	
Jacobs No.	B27070CQ	Rev	
Client No.		P01	
Drawing number B27070CQ-JAC-XX-DR-C-TR4_GA-1217			

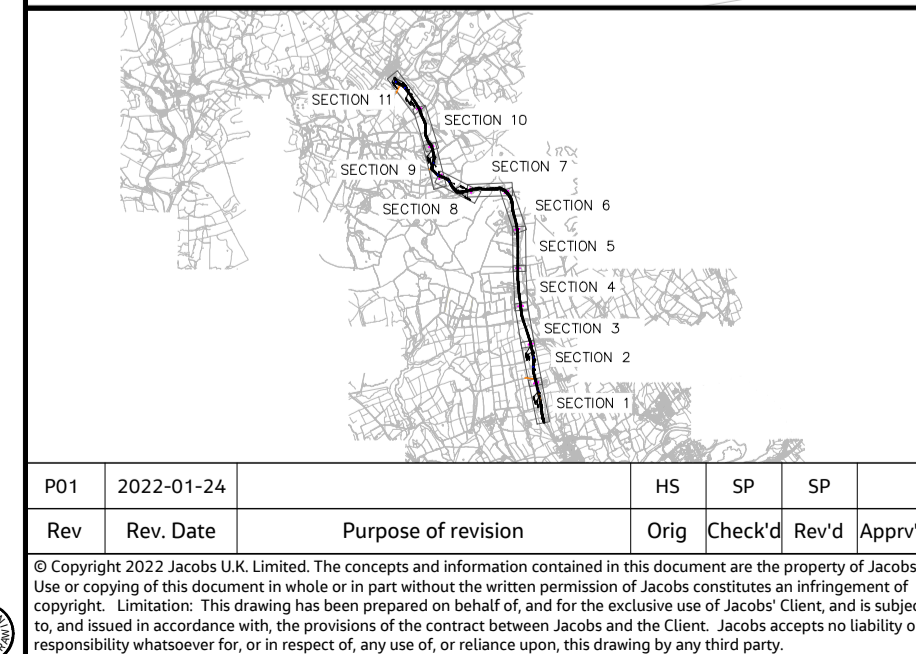
Projects\B27070BW - Haweswater Aqueduct Renewal\5. Project Work\A - Drawings & OS Tiles\1. Swept path Analysis\4. Working - 25/01/2022 08:28:11 - B27070CQ-JAC-XX-DR-C-TR4_GA-1217 - HS074623

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Section 9



Section 10



NOTES
1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

TRAFFIC MANAGEMENT

- PROPOSED 30MPH SPEED LIMIT
- EXISTING NATIONAL SPEED LIMIT (60MPH)
- PROPOSED RUMBLE STRIP ZONE
- PROPOSED TRAFFIC SIGN
- PROPOSED DRAGON TEETH MARKING

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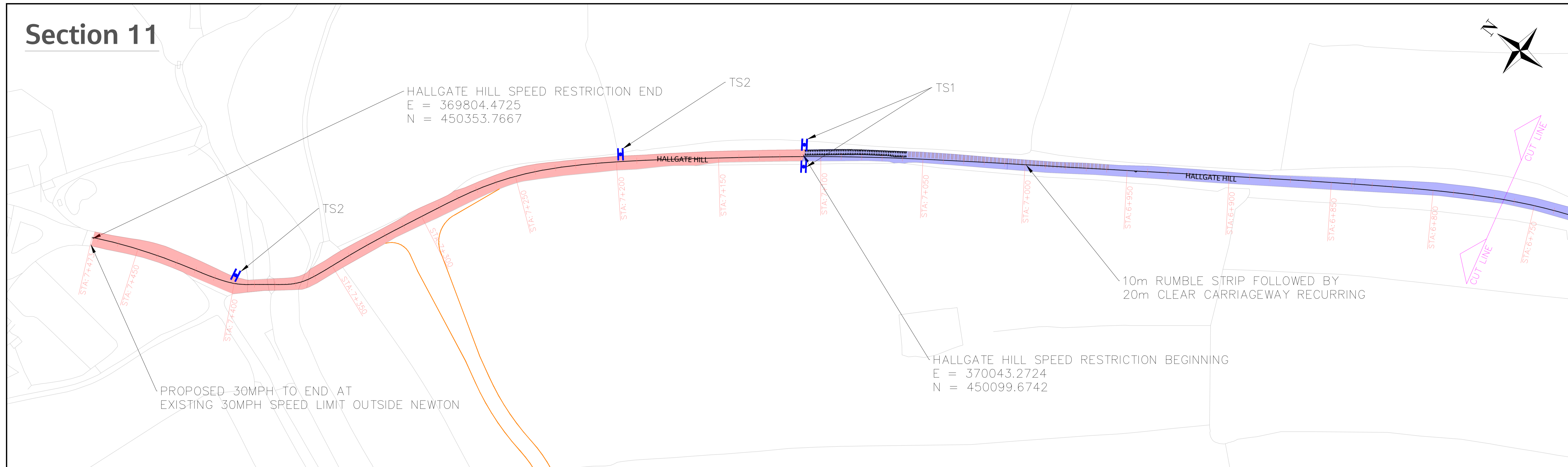
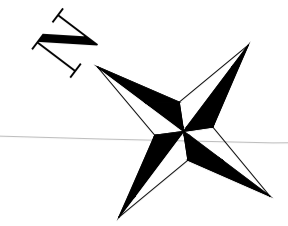
Client: **United Utilities**

Project: **Haweswater Aqueduct Resilience Programme**

Drawing title		PROPOSED BOWLAND SECTION LOWER HOUSES COMPOUND - TR3 - ROUTE 1/ROUTE 2 PROPOSED SPEED RESTRICTIONS - SLAIDBURN RD TO HALLGATE HILL SECTION 9 & 10	
Drawing status		DRAFT	Suitability SO
Scale	1:1000@A1	DO NOT SCALE	
Jacobs No.	B27070CQ	Rev	
Client No.			P01
Drawing number B27070CQ-JAC-XX-DR-C-TR4_GA-1218			

Projects B27070BW - Haweswater Aqueduct Renewal\5. Project Work\A.E. Drawings & OS Tiles\1. Swept path Analysis\4. Working - 25/01/2022 08:28:47 - B27070CQ-JAC-XX-DR-C-TR4_GA-1218 - HS074623

Section 11



Projects\B27070BW - Haweswater Aqueduct Renewal\5. Project Work\A.E. Drawings & OS Tiles\1. Swept path Analysis\4. Working - 25/01/2022 08:36:04 - B27070CQ-JAC-XX-DR-C-TR4_GA-1219 - HS074623

Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Appr'd
P01	2022-01-24		HS	SP	SP	

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NOTES

1. DO NOT SCALE FROM THIS DRAWING.

LEGEND

TRAFFIC MANAGEMENT

	PROPOSED 30MPH SPEED LIMIT
	EXISTING NATIONAL SPEED LIMIT (60MPH)
	PROPOSED RUMBLE STRIP ZONE
	PROPOSED TRAFFIC SIGN
	PROPOSED DRAGON TEETH MARKING

SIGNAGE

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Project: **Haweswater Aqueduct Resilience Programme**

Drawing title		PROPOSED BOWLAND SECTION	
		LOWER HOUSES COMPOUND - TR3 - ROUTE 1/ROUTE 2	
		PROPOSED SPEED RESTRICTIONS - SLAIBURN RD TO HALLGATE HILL	
		SECTION 11	
Drawing status		DRAFT	Suitability SO
Scale	1:1000@A1	DO NOT SCALE	
Jacobs No.	B27070CQ	Rev	
Client No.		P01	
Drawing number B27070CQ-JAC-XX-DR-C-TR4_GA-1219			