

Network Rail (Huddersfield to Westtown (Dewsbury) Improvements) Order

Condition 13: Noise Attenuation – Stage 5 Amended submission – Red Doles Road/Topaz Close area

Document reference: 151667-TSA-00-TRU-REP-W-EN-900256

Network Rail

September 2026



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1. INTRODUCTION

1.1 Background

- 1.1.1 The Scheme is part of a wider programme of works under the Transpennine Route Upgrade (TRU) which will improve the Transpennine railway between Manchester, Huddersfield, Leeds and York and improve connections between key towns and cities across the north of England.
- 1.1.2 Planning Direction for the Huddersfield to Westtown (Dewsbury) section of the TRU was received from the Department for Transport, referenced TWA/21/APP/03, dated 13 October 2022.
- 1.1.3 A submission was made to discharge Condition 13 of the Deemed Planning Permission in 30 August 2023 – document ref 151667-TSA-00 TRU-REP-W-EN-001087, NR 141123 was issued on 01 May 2024 in response to a Kirklees Council query. Discharge of Condition was received on 15 May 2024.
- 1.1.4 This document sets out revised details in relation to works at Red Doles Road and the barrier to the east of Red Doles Road and Topaz Close, for approval under Condition 13 of the Deemed Planning Permission.

2. STAGED APPROACH TO DISCHARGE AND STAGE DESCRIPTION

2.1 Background

- 2.1.1 As set out in document ref 151667-TSA-00-TRU-REP-W-EN-001189 version 3 (submitted in relation to Condition 3 of the Deemed Planning) a staged approach is proposed in relation to discharge of the deemed planning conditions.
- 2.1.2 This document sets out details in relation to the works at Red Doles Road as part of the Stage 5 works for the Huddersfield to Westtown (Dewsbury) Scheme.
- 2.1.3 Stage 5 comprises the construction works relating to the rail systems elements of the Scheme.
- 2.1.4 The works during Stage 5 comprise:
- Works to the railway including realignment of removal/replacement of ballast;
 - Installation of overhead line equipment (OLE) including piled gantries every 50m and attachments to structures;
 - Trackside / junction lighting;
 - Trackside noise attenuation measures;
 - Lineside electrical power and plant; and
 - Signalling infrastructure.
- 2.1.5 Due to the linear nature of the Stage 5 works, the works will be carried out in a continually moving process along the railway.

3. RELEVANT PLANNING CONDITION

3.1.1 The wording of Condition 13 is reproduced as follows:

13. NOISE ATTENUATION

Details of all permanent trackside noise attenuation measures identified in the Environmental Statement and on the relevant drawings, including a programme for implementation, must be submitted to and agreed in writing by the local planning authority before installation of the tracks. The noise attenuation measures must be installed in accordance with the approved details and retained thereafter.

Reason: *In the interests of residential amenity in accordance with Policy LP24 of Kirklees Local Plan.*

4. DETAIL OF NOISE ATTENUATION MEASURES

4.1 Location

4.1.1 Updated details are provided for the following locations

- Red Doles Road, Huddersfield
- East of Red Doles Road/Topaz Close, Huddersfield

4.1.2 The track-side noise barriers will be located within 5m of the track and will be absorptive to prevent any degradation in acoustic performance due to the reverberant build-up of noise between the noise barrier and the train.

Red Doles Road, Huddersfield

4.1.3 The barrier at Red Doles is located to the north-west side of the railway and is approximately 140m in length.

4.1.4 A 1m absorptive noise barrier will be installed across the Red Doles Overbridge (MVL3/96). The barrier continues to the west of the overbridge (onto the Hillhouse site) and the barrier at this point is 2m in height, the absorptive barrier will be constructed of steel posts and PVC panels.

4.1.5 Details are provided in Appendix A, drawing reference 151667-TSA-31-MVL3-DRG-T-LP-168401 rev P02.1 with section details provided in drawing reference 151667-TSA-31-MVL3-DRG-T-LP-168408 rev P02.1 (Section A-A).

East of Red Doles Road and Topaz Close, Huddersfield

4.1.6 The barrier is located to the north-west side of the railway within approximately 2m of the track and is 187m in length.

4.1.7 The barrier runs to the east of Red Doles Overbridge (MVL3/96) and is 2m in height. The absorptive barrier will be constructed of steel posts and PVC panels.

4.1.8 Details are provided in Appendix B, drawing references 151667-TSA-31-MVL3-DRG-T-LP-168402 rev P02.1 with section details provided in drawing reference 151667-TSA-31-MVL3-DRG-T-LP-168408 rev P02.1 (Section B-B).

4.2 Summary of Changes

The following changes are proposed;

Location	Original Drawing Ref	Revised Drawing Ref	Description of change
Red Doles Road	151667-TSA-31-MVL3-DRG-T-LP-168401 rev B01 151667-TSA-31-MVL3-DRG-T-LP-168408 rev B01	151667-TSA-31-MVL3-DRG-T-LP-168401 rev P02.1 151667-TSA-31-MVL3-DRG-T-LP-168408 rev P02.1 (Section A-A)	Timber panels replaced with PVC panels – RAL colour 1001 - Pale Beige Absorptive barrier to be clamped to existing underbridge handrail. Barrier to consist of PVC panels (RAL colour 1001 – Pale Beige) and steel fixings Minor changes in the horizontal configuration of the barrier due to development of interfacing designs and assets already constructed
East of Red Doles Road and Topaz Close	151667-TSA-31-MVL3-DRG-T-LP-168402 rev B01 151667-TSA-31-MVL3-DRG-T-LP-168408 rev B01	151667-TSA-31-MVL3-DRG-T-LP-168402 rev P02.1 151667-TSA-31-MVL3-DRG-T-LP-168408 rev P02.1 (Section B-B)	Timber panels replaced with PVC panels – RAL colour 1001 - Pale Beige Minor changes in the horizontal configuration of the barrier due to development of interfacing designs and assets already constructed

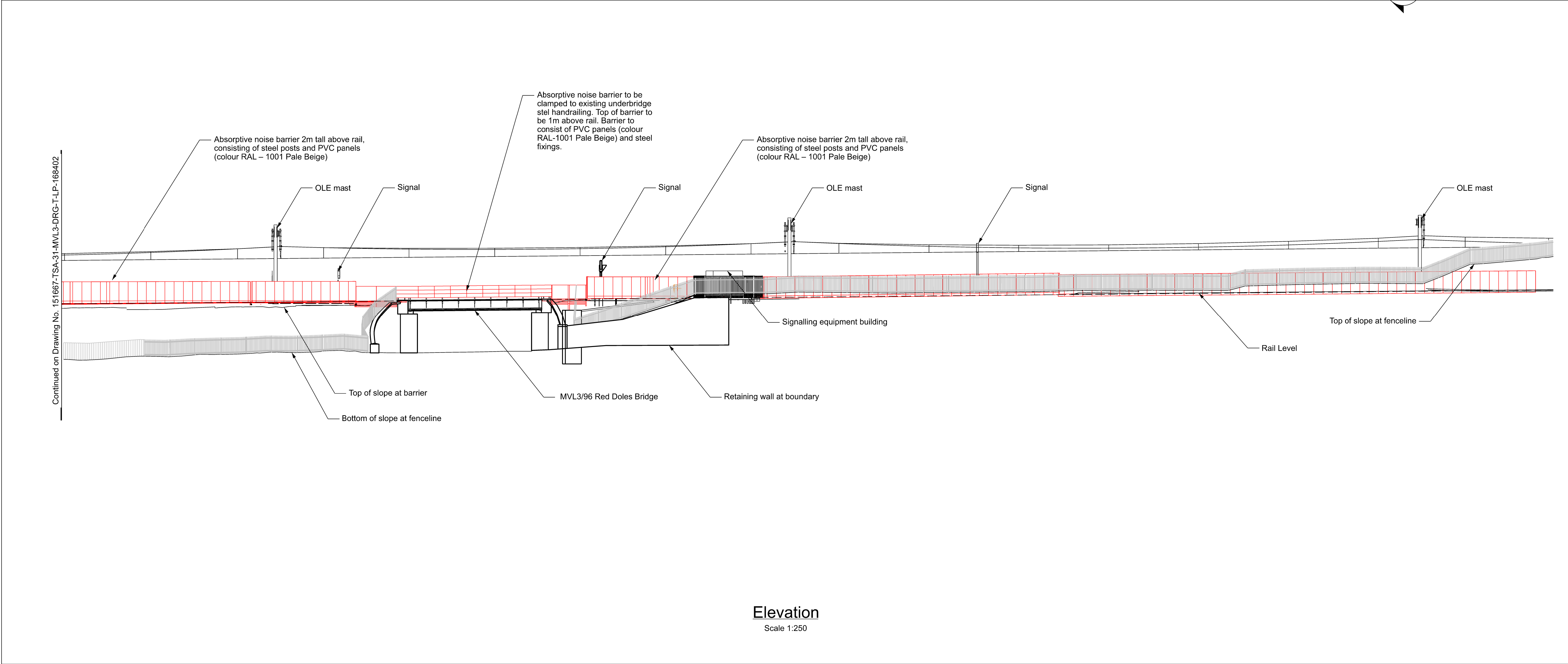
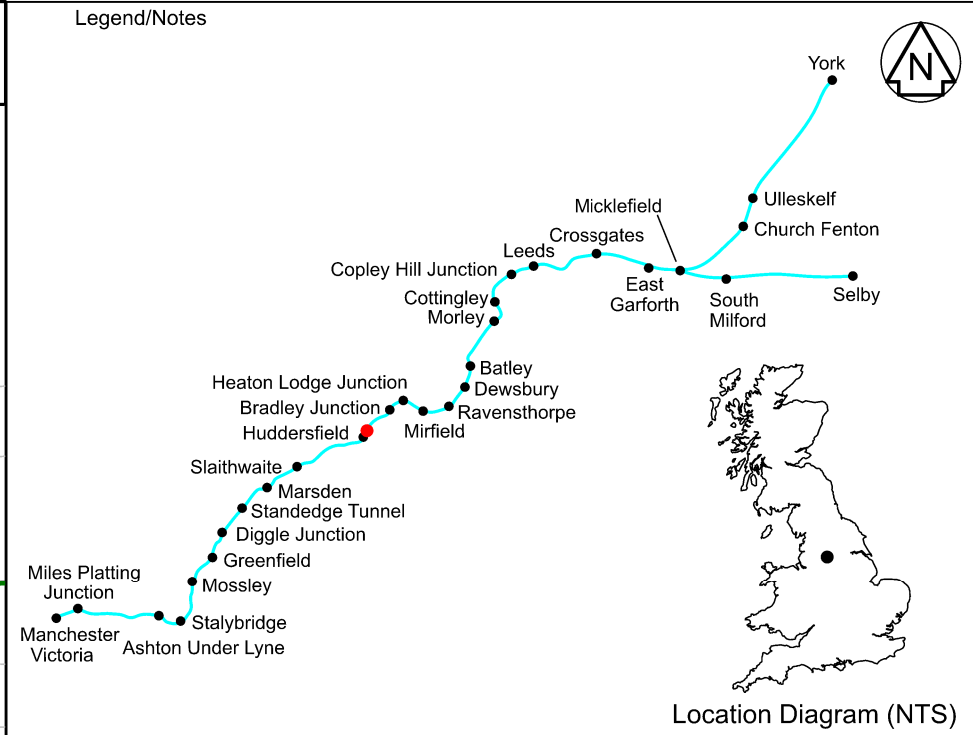
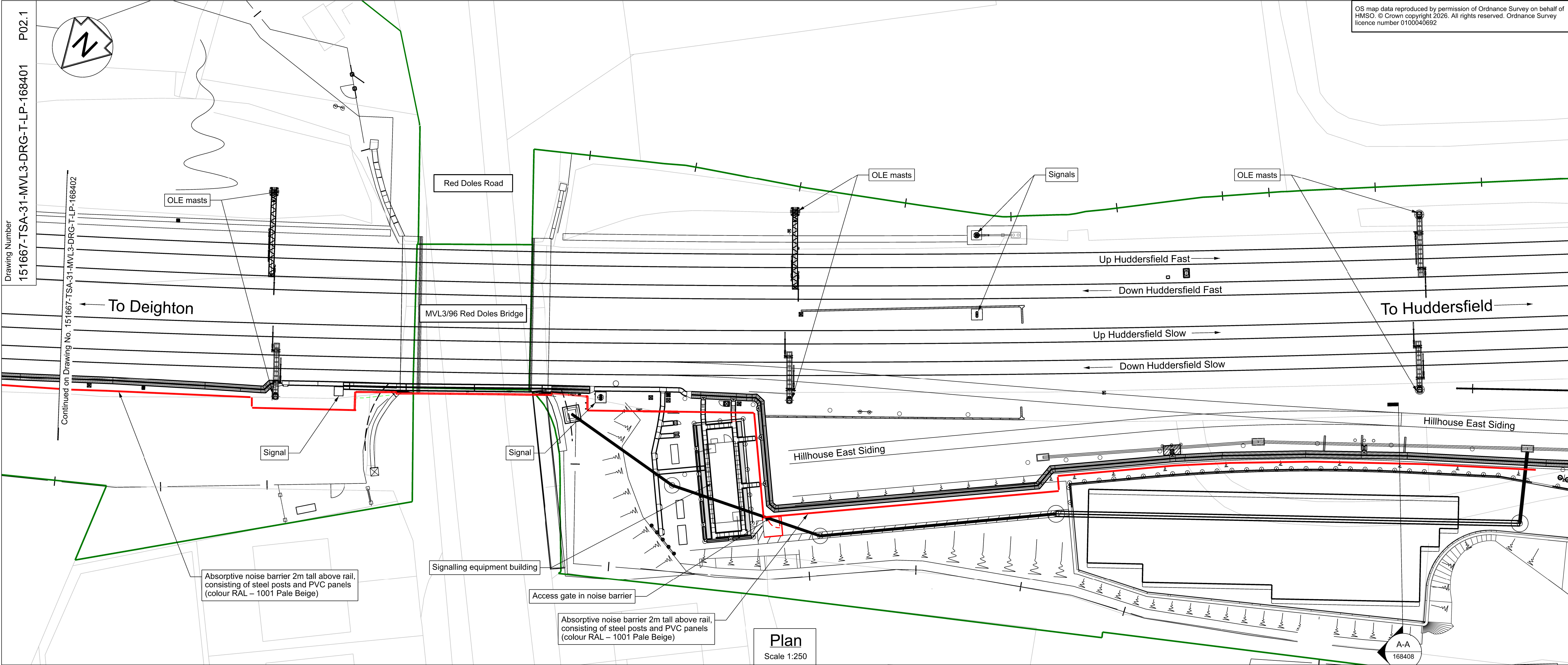
- 4.2.1 In terms of the change to materials a review of the proposed materials was undertaken due to constructability challenges. 4 no. options were considered which adhere to the minimum requirements for acoustic properties. Requirements were further developed with the contractor to include constructability, maintenance, cost and sustainability during the design life. Details of the option selection process/methodology have been detailed in technical note 151667-TSA-00-MVL3-REP-W-SE-000003 and product option selection matrix 151667-TSA-00-MVL3-ASM-W-SE-000001. Based on the results of the option assessment, as well as inputs from the contractor and Network Rail, Gramm barrier POLYSoundBlok Slim (PVC panels - colour RAL-1001) was selected as the preferred option

4.3 Programme of implementation

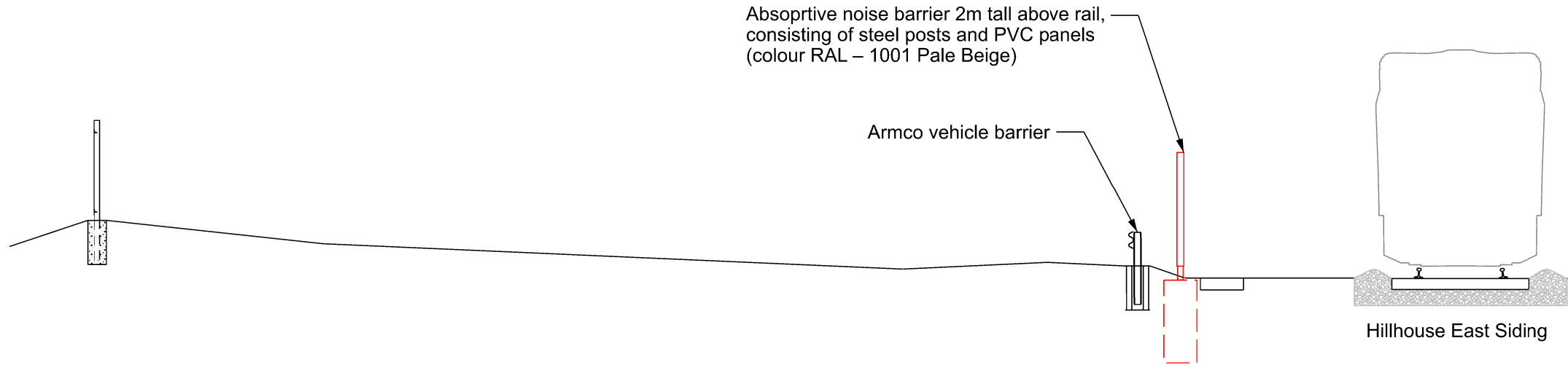
- 4.3.1 Construction works for Stage 5 are programmed to start in October 2023. Commissioning of works stage will be 2029/2030.
- 4.3.2 Noise attenuation measures will be installed during the period 2026-2028.

Appendices

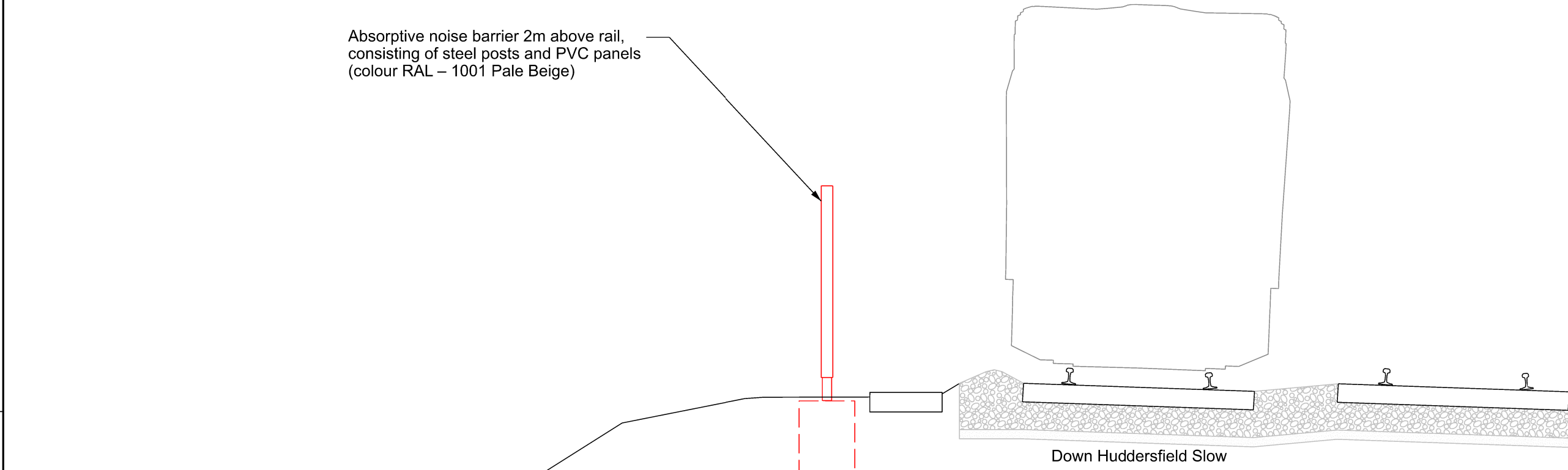
APPENDIX A – NOISE ATTENUATION MEASURES AT RED DOLES ROAD



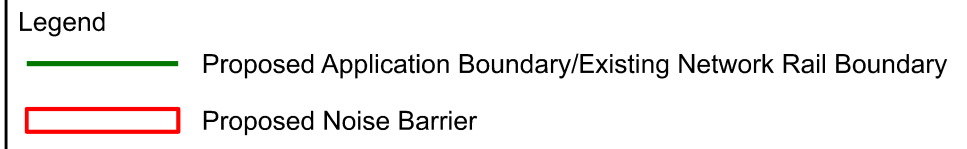
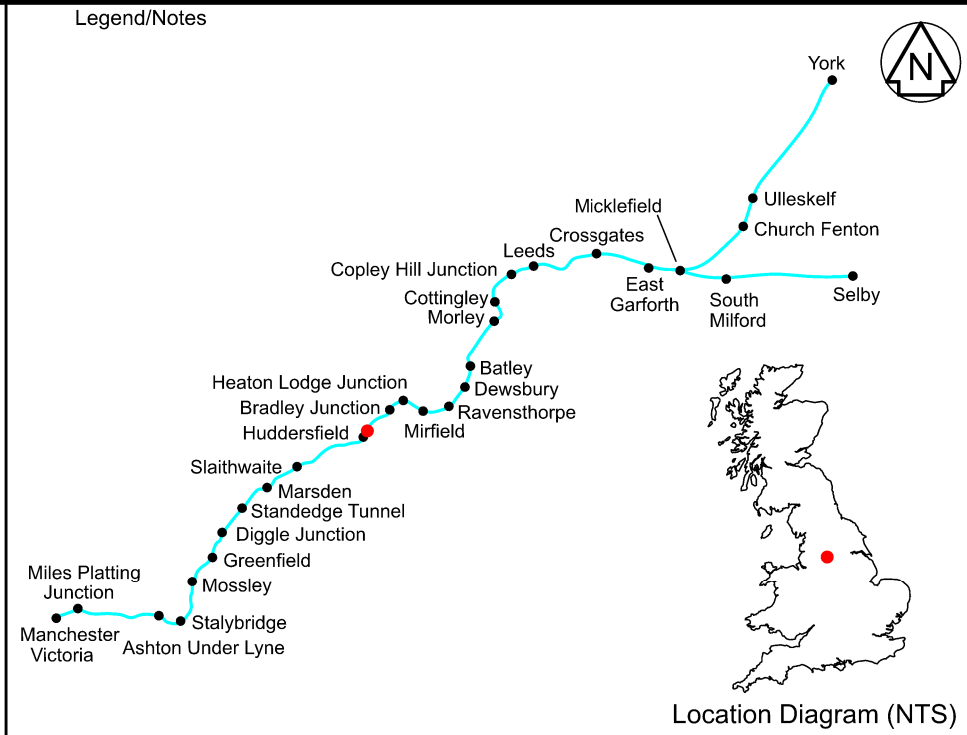
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B01	08/10/25	For Planning Application	AM	SP	SP
P02.1					
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
Initial Status WIP					S0
NetworkRail					
Authorised		Signed		Date	
Contractor(s)					
TRU West Alliance					
Location					
STALYBRIDGE STN - HEATON LODGE JN (HUDD-MANC LINE)					
Type	CAD Drawing		Sub-type		
Role	Town and Country Planner		Sub-Role		General
Zone	Hillhouse and Fartown				
Phasing	Proposed		Project Stage		
Project			GRIP 5		
Transpennine Route Upgrade					
Contract No.					
151667					
Contract Title					
TRU - West of Leeds					
Drawing Title					
Planning Drawing(Condition 13)					
Noise Barrier					
Red Doles Road / Topaz Close					
1 of 2					
Designed	T. Morris		Signed		Date
Drawn			Signed		Date
Checked	UNCHECKED		Signed		Date
Approved			Signed		Date
Scale(s)		ELR & Mileage			
As Shown		7.163		to 29.0957	
Alternative Reference			Sheet		1 of 7
Drawing Number			Revision		
151667-TSA-31-MVL3-DRG-T-LP-168401					P02.1



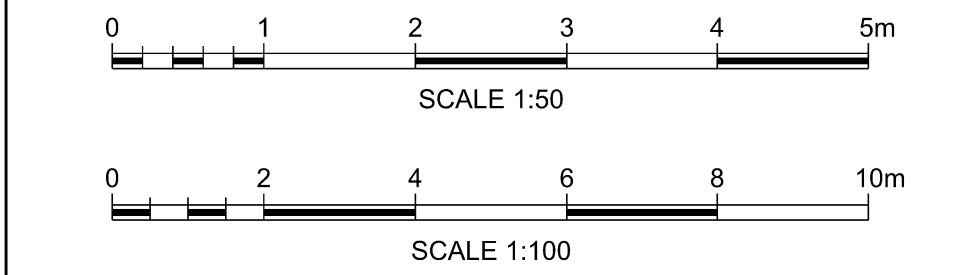
Section A-A
Red Doles Road
Scale 1:100



Section B-B
Topaz Close
Scale 1:50



- Notes
- All dimensions are in millimetres unless stated otherwise.
 - Do not scale from this drawing.



P01	22/08/23	For Planning Application	MB	SP	SP
B01	08/10/25	For Planning Application	MB	SP	SP
P02.1					
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status	Initial Status WIP				Suitability
					S0



Authorised		Signed		Date	
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Contractor(s)

TRU West Alliance

Location	MULTIPLE ELR			
Type	CAD Drawing	Sub-type		
Role	Town and Country Planner	Sub-Role		
Zone	Project W3 Holistic		General	
Phasing	Proposed	Project Stage		
Project	GRIP 5			

Transpennine Route Upgrade

Contract No.

151667

Contract Title

TRU - West of Leeds

Drawing Title

Planning Drawing(Condition 13)
Noise Barriers
Site Specific Sections

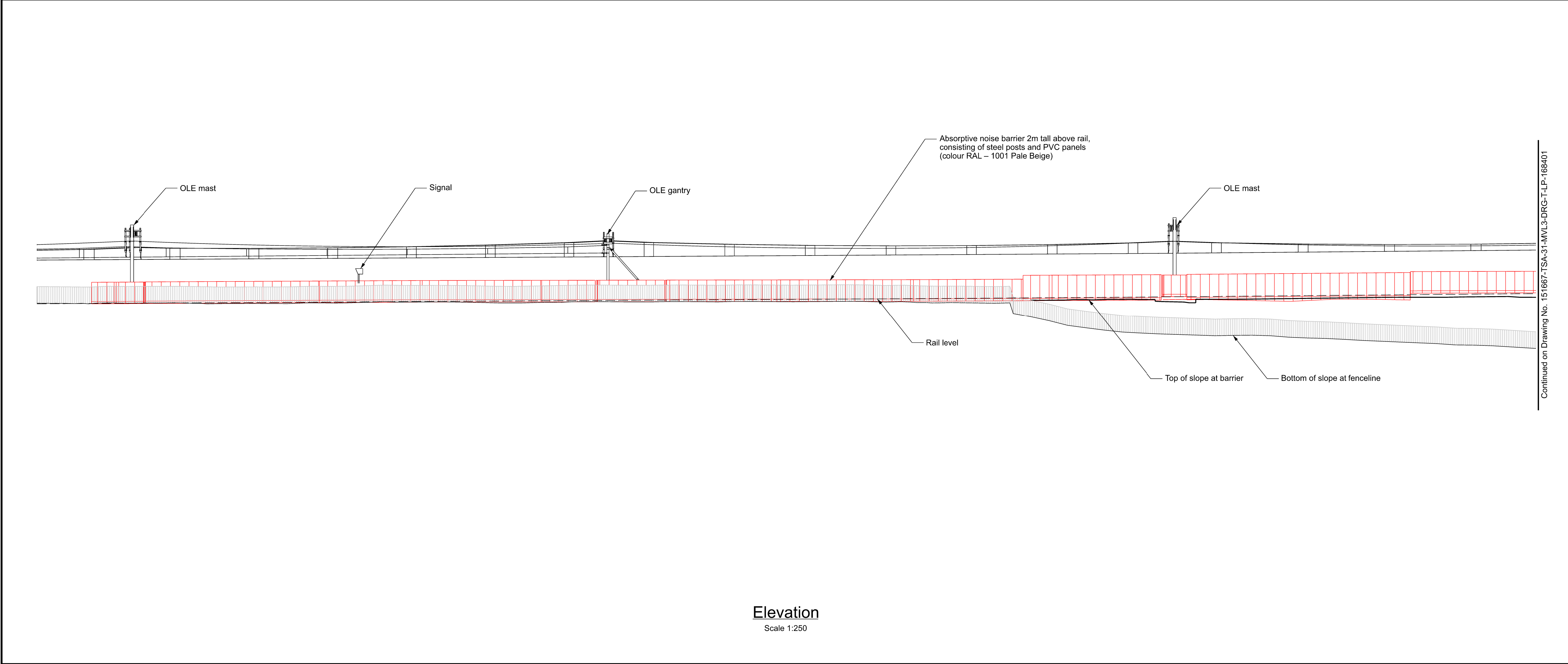
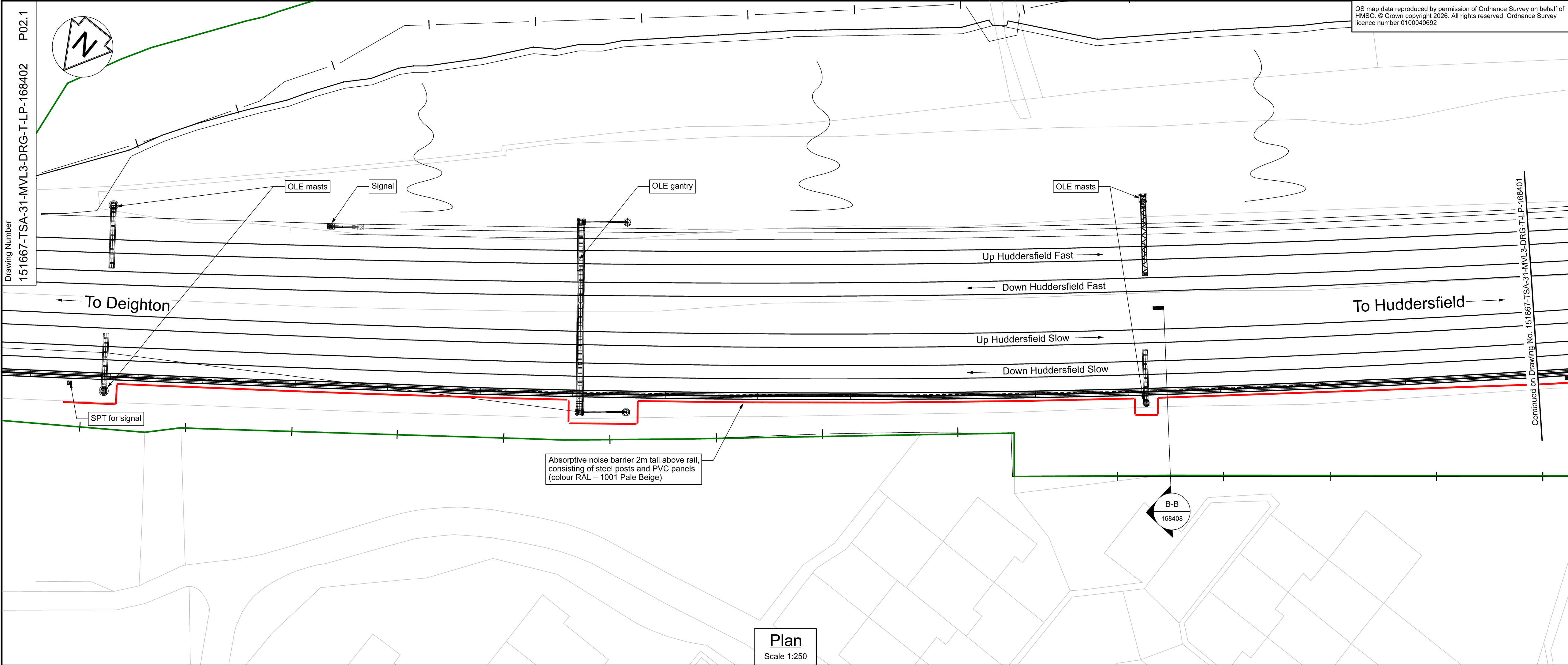
Designed	J.Kean	Signed		Date	
Drawn		Signed	Electronically Signed	Date	
Checked		Signed	Electronically Signed	Date	
Approved		Signed	Electronically Signed	Date	

Scale(s)	ELR & Mileage
As Shown	0 to 0

Alternative Reference	Sheet
	1 of 2

Drawing Number	Revision
151667-TSA-W3-000-DRG-T-LP-168408	P02.1

APPENDIX B – NOISE ATTENUATION MEASURES AT EAST OF RED DOLES ROAD AND TOPAZ CLOSE



Legend/Notes

Legend

- Proposed Application Boundary/Existing Network Rail Boundary
- Proposed Noise Barrier

Notes

- All dimensions are in millimetres unless stated otherwise.
- Do not scale from this drawing.

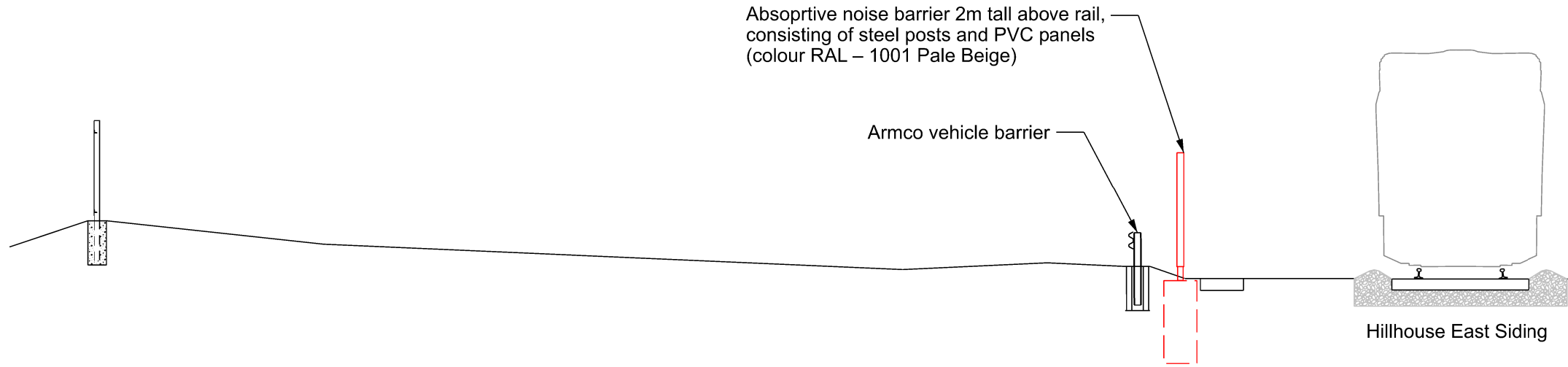
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B01	08/10/25	For Planning Application	AM	SP	SP
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Initial Status WIP					S0

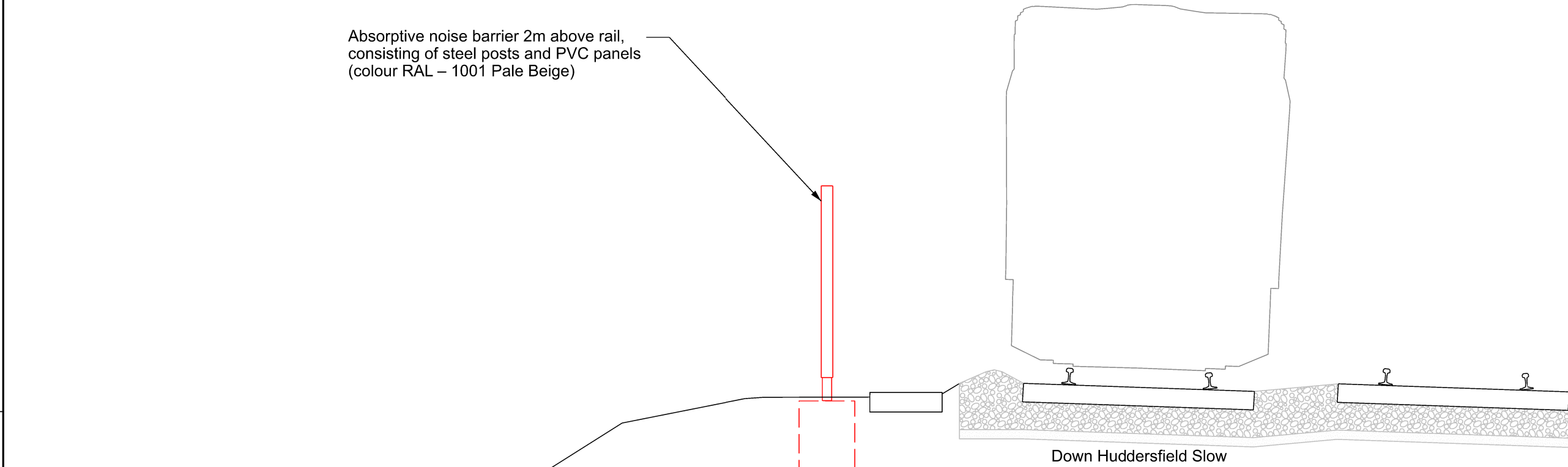
NetworkRail

Authorised		Signed		Date	
Contractor(s) TRU West Alliance					
Location STALYBRIDGE STN - HEATON LODGE JN (HUDD-MANC LINE)					
Type	CAD Drawing	Sub-type			
Role	Town and Country Planner	Sub-Role	General		
Zone	Hillhouse and Fartown				
Phasing	Proposed	Project Stage	GRIP 5		
Project Transpennine Route Upgrade					
Contract No. 151667					
Contract Title TRU - West of Leeds					
Drawing Title Planning Drawing(Condition 13) Noise Barrier Red Doles Road / Topaz Close 2 of 2					
Designed	T. Morris	Signed		Date	
Drawn		Signed	Electronically Signed	Date	
Checked	UNCHECKED	Signed	Electronically Signed	Date	
Approved		Signed	Electronically Signed	Date	
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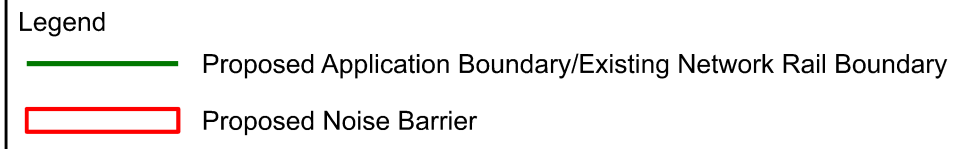
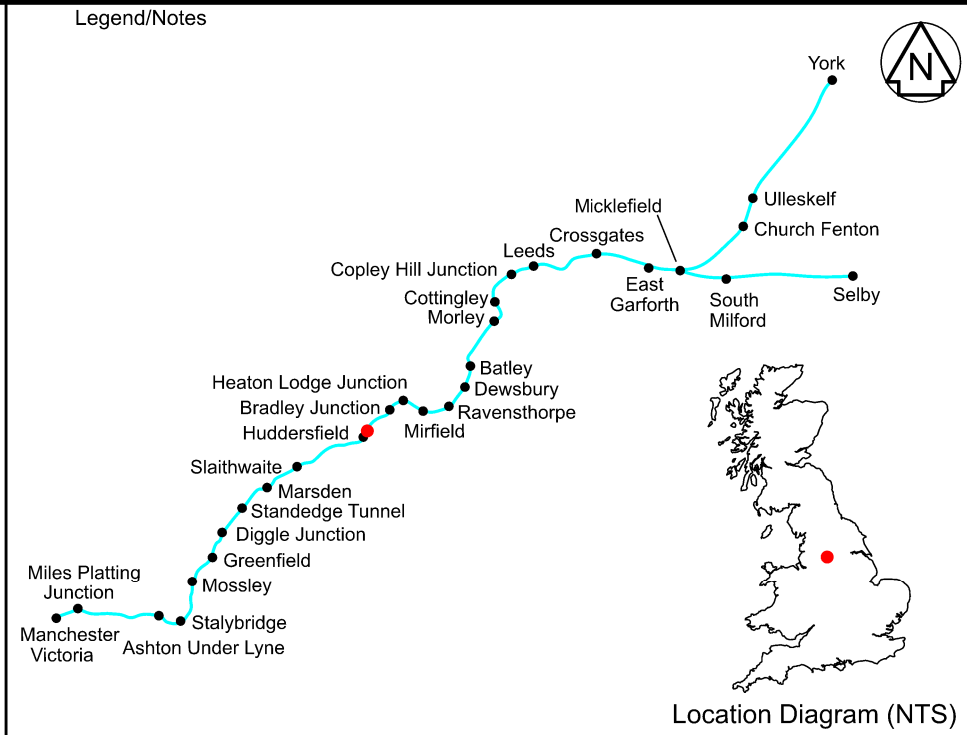
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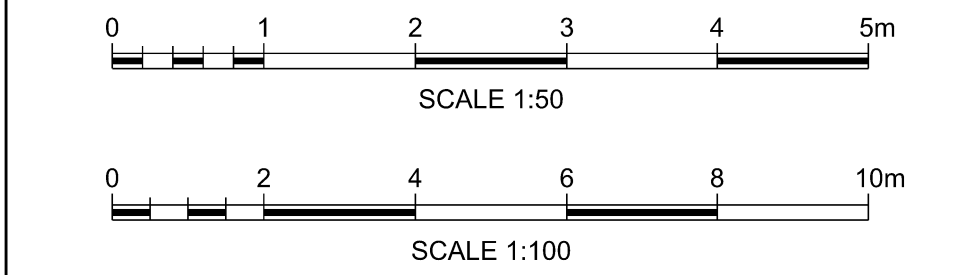
Section A-A
Red Doles Road
Scale 1:100



Section B-B
Topaz Close
Scale 1:50



- Notes
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 - Do not scale from this drawing.



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B01	08/10/25	For Planning Application	MB	SP	SP
P02.1					
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status	Initial Status WIP				Suitability
					S0

Authorised		Signed		Date	
Contractor(s) TRU West Alliance					
Location MULTIPLE ELR					
Type	CAD Drawing	Sub-type			
Role	Town and Country Planner	Sub-Role General			
Zone	Project W3 Holistic				
Phasing	Proposed	Project Stage GRIP 5			
Project Transpennine Route Upgrade					
Contract No. 151667					
Contract Title TRU - West of Leeds					
Drawing Title Planning Drawing(Condition 13) Noise Barriers Site Specific Sections					
Designed	J.Kean	Signed		Date	
Drawn		Signed	Electronically Signed	Date	
Checked		Signed	Electronically Signed	Date	
Approved		Signed	Electronically Signed	Date	
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Alternative Reference				Sheet 1 of 2	Revision 2
Drawing Number 151667-TSA-W3-000-DRG-T-LP-168408				Revision P02.1	

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