

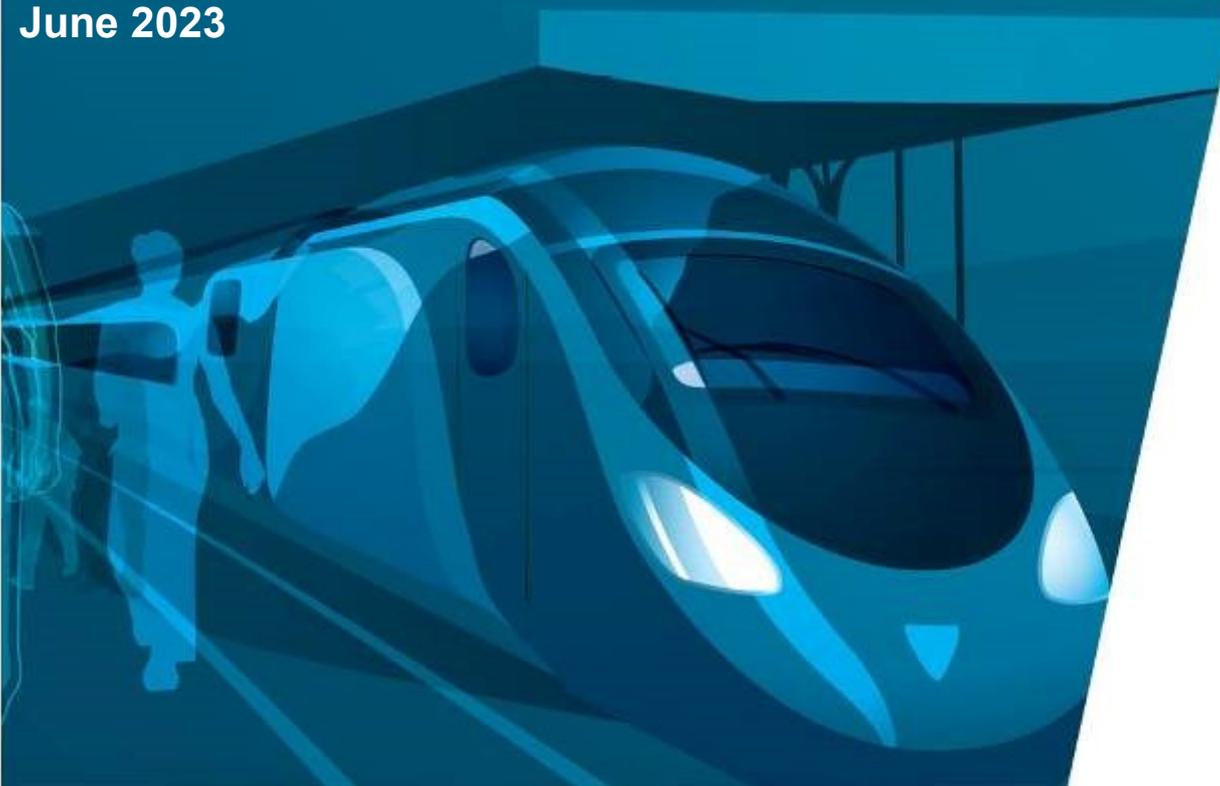
Network Rail (Huddersfield to Westtown (Dewsbury) Improvements) Order

Condition 12: Westgate Road Bridge – Stage 4

Document reference: 151667-TSA-00-TRU-REP-W-EN-001365

Network Rail

June 2023



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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 This document sets out details in relation to Condition 12 of the Deemed Planning Permission.

2. STAGED APPROACH TO DISCHARGE AND STAGE DESCRIPTION

- 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 Stage 4 of the works for the Huddersfield to Westtown (Dewsbury) Scheme.
- 2.1.3 Stage 4 comprises the main civils works at Huddersfield Station and Huddersfield Viaduct (Stage 4 limits are set as Westgate Overbridge and Hillhouse Lane Underbridge) and are set out in Table 2-1, as well as links to the relevant planning drawings. Figure 1 in Appendix A shows the geographical locations of the works. Route drawings relevant to Stage 4 are [NR13 Planning Drawing - Route Drawing 3.pdf \(windows.net\)](#) and [NR13 Planning Drawing - Route Drawing 4.pdf \(windows.net\)](#).
- 2.1.4 Works within the Huddersfield and Gledholt tunnels, to the west of the station, will be detailed in the Stage 5 submission.
- 2.1.5 The entire Scheme will be subject to electrification; details of the electrification works will be detailed in the Stage 5 submission.
- 2.1.6 At Huddersfield Station remodelling works are required with alterations to platforms and roof structures required to facilitate the delivery of a four track railway. East of Huddersfield Station the four-track railway is reinstated across the viaduct.
- 2.1.7 There are existing earthworks throughout the Scheme area associated with the existing operational railway. Earthworks allow the track to stay relatively level through a varied topography and allows trains to operate more efficiently by reducing the need for additional acceleration and deceleration to climb and descend climbs.
- 2.1.8 As set out in Figure 2-1¹ in Volume 4 of the Environmental Statement (ES) and Table 2-4 in Chapter 2: Scheme Description (Route Section 1)² in Volume 2i of the ES, a 55m length retaining structure (0.5m high) was proposed along the eastern end of Huddersfield Viaduct (MVL3/92) near to Hillhouse Lane Underbridge (MVL3/94). This was proposed as either king post wall or soil nailing. Following design iteration, soil nailing is planned in this area of existing embankment to the south of the railway (E0).
- 2.1.9 Earthworks (new and where they have been reworked) will generally be covered in topsoil and landscaped as appropriate. Any exceptions to this will be detailed within the Landscape and Ecological Management Plan (LEMP) Stage 8.
- 2.1.10 The Scheme impacts on various existing transmission and distribution utility networks. Conflicts with utility services may occur in Stage 4 where the Scheme crosses highways and. Works within the highway will be carried out in compliance with the Highways Agreement and any impacts on the highways network will be discussed through the Highway Network Management Group.

¹ [Ch02 Scheme Description - Fig 2-1 Scheme drawings.pdf \(windows.net\)](#)

² [Ch02 Huddersfield - Scheme Description.pdf \(windows.net\)](#)

Table 2-1 Works description

Location	Structure/works	Summary description	Deemed Planning Drawing Title and Reference
Huddersfield Station	Passenger Footbridge	A covered footbridge (Huddersfield Station Footbridge (MVL3/91AA), with stairs and a lift, to be constructed to the eastern end of the station. This will provide step free access to the central platforms.	<ul style="list-style-type: none"> • Footbridge - Proposed Elevations - 151667-TSA-30-MVL3-DRG-T-LP-168053 • Footbridge - Proposed Plan Deck Level - 151667-TSA-30-MVL3-DRG-T-LP-168051 • Footbridge - Proposed General Arrangement Platform Level - 151667-TSA-30-MVL3-DRG-T-LP-168050 • Footbridge - Proposed Roof Level General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168052 • Footbridge - Proposed Sections - 151667-TSA-30-MVL3-DRG-T-LP-168054 • Existing and Proposed Long Sections (A-A) - 151667-TSA-30-MVL3-DRG-T-LP-168003 • Existing and Proposed Long Sections (B-B) - 151667-TSA-30-MVL3-DRG-T-LP-168005
Huddersfield Station	Passenger Subway	Extension to existing Subway (MVL3/91) (of 12.5m) required to service the new island platform to the north of the station.	<ul style="list-style-type: none"> • Existing Plan and Sections - 151667-TSA-30-MVL3-DRG-T-LP-168064 • Proposed Plan and Section - 151667-TSA-30-MVL3-DRG-T-LP-168065
Huddersfield Station	Parcel Subway (MVL3/91A)	Utilising existing subway for utilities ducting and signalling equipment. Concrete infill.	<ul style="list-style-type: none"> • Existing Plan and Sections - 151667-TSA-30-MVL3-DRG-T-LP-168067 • Proposed Plan and Section - 151667-TSA-30-MVL3-DRG-T-LP-168068
Huddersfield Station	Tearooms	Existing Tea Rooms - Timber structure to be carefully dismantled and relocated within island platform. To be dismantled and reconstructed.	<ul style="list-style-type: none"> • Existing Floor Plan and Elevations - 151667-TSA-30-MVL3-DRG-T-LP-168016 • Existing and Proposed Elevations - 151667-TSA-30-MVL3-DRG-T-LP-168015 • Proposed Floor Plan and Elevations - 151667-TSA-30-MVL3-DRG-T-LP-168017
Huddersfield Station	Proposed Platforms	Works to railway lines including provision of new platforms and removal of existing railway sidings.	<ul style="list-style-type: none"> • Existing Plan - 151667-TSA-30-MVL3-DRG-T-LP-168060 • Existing and Proposed Platform General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168001 • Proposed Plan and Section - 151667-TSA-30-MVL3-DRG-T-LP-168061 • Proposed Plan and Section - 151667-TSA-30-MVL3-DRG-T-LP-168062 • Proposed Plan and Section - 151667-TSA-30-MVL3-DRG-T-LP-168063

Location	Structure/works	Summary description	Deemed Planning Drawing Title and Reference
Huddersfield Station	Canopy A	<p>Works to the main train shed within Huddersfield Station includes:</p> <ul style="list-style-type: none"> • Structural works to maintain and strengthen; • Demolition of two canopy bays at Manchester end of the station; • Construction of two new bays at Leeds end; • Grit blasting of structure; and • Reinstatement of main train shed lantern. 	<ul style="list-style-type: none"> • Existing and Proposed Roof General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-1680000 • Existing and Proposed Short Sections (A-A) - 151667-TSA-30-MVL3-DRG-T-LP-168002 • Existing and Proposed Short Sections (B-B) - 151667-TSA-30-MVL3-DRG-T-LP-168004 • Existing Roof A Structural Plan (Roof Level) - 151667-TSA-30-MVL3-DRG-T-LP-168010; • Existing Roof A Structural Sections Sheet (1) - 151667-TSA-30-MVL3-DRG-T-LP-168011 • Existing Roof A Structural Sections Sheet (2) - 151667-TSA-30-MVL3-DRG-T-LP-168012; • Existing Roof A OLE Support Details - 151667-TSA-30-MVL3-DRG-T-LP-168013
Huddersfield Station	Canopy B & C	<p>Canopy B&C are to be demolished with new replacements to be constructed to cover platforms to north.</p>	<ul style="list-style-type: none"> • Existing and Proposed Roof General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168000 • Existing and Proposed Short Sections (A-A) - 151667-TSA-30-MVL3-DRG-T-LP-168002 • Existing and Proposed Short Sections (B-B) - 151667-TSA-30-MVL3-DRG-T-LP-168004 • Proposed Roof B (Shed Roof) Structural Plan (Roof Level) - 151667-TSA-30-MVL3-DRG-T-LP-168020 • Proposed Roof B (Shed Roof) Structural Plan (Platform Level) - 151667-TSA-30-MVL3-DRG-T-LP-168021 • Proposed Roof B (Shed Roof) Structural Sections (1) - 151667-TSA-30-MVL3-DRG-T-LP-168022 • Proposed Roof B (Shed Roof) Structural Sections (2) - 151667-TSA-30-MVL3-DRG-T-LP-168023 • Proposed Roof B (Shed Roof) Structural Sections (3) - 151667-TSA-30-MVL3-DRG-T-LP-168024
Huddersfield Station	Platform free standing canopies	<p>Free standing canopies to be constructed over island platforms to eastern end of station.</p>	<ul style="list-style-type: none"> • Existing and Proposed Roof General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168000 • Proposed Platform General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168030

Location	Structure/works	Summary description	Deemed Planning Drawing Title and Reference
			<ul style="list-style-type: none"> Proposed Platform Canopies Elevation (1) - 151667-TSA-30-MVL3-DRG-T-LP-168034 Proposed Platform Canopies Elevation (2) - 151667-TSA-30-MVL3-DRG-T-LP-168035 Proposed Platform Canopies Structural Plan (Platform Level) - 151667-TSA-30-MVL3-DRG-T-LP-168031 Proposed Platform Canopies Structural Sections - 151667-TSA-30-MVL3-DRG-T-LP-168032 Proposed Platform Canopies Structural Sections - 151667-TSA-30-MVL3-DRG-T-LP-168033
Huddersfield Station	Canopies – Penistone Line	Extension of Penistone Line canopies.	<ul style="list-style-type: none"> Proposed Penistone Line Canopy Platform Level Plan General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168036 Proposed Platform Penistone Canopies Structural Sections - 151667-TSA-30-MVL3-DRG-T-LP-168037 Proposed Platform Penistone Canopies Proposed Roof Covering Plans - 151667-TSA-30-MVL3-DRG-T-LP-168038 Proposed Platform Penistone Canopies Elevation (1) - 151667-TSA-30-MVL3-DRG-T-LP-168039
Huddersfield Station	Relay Room	Existing relay room to be demolished.	<ul style="list-style-type: none"> Existing and Proposed Platform General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168001
Huddersfield Station	Drainage Works	Fitzwilliam Street sewer outfall (New) SE 1430 1707. Proposed new storm water drainage outfall for the re-modelled areas of Huddersfield Station. It will be a piped outfall from the drainage system, either directly into the sewer in the highway, or into an existing culvert within Network Rail land which connects into this sewer. A new manhole will be provided at the outfall.	<ul style="list-style-type: none"> No relevant planning drawings

Location	Structure/works	Summary description	Deemed Planning Drawing Title and Reference
Huddersfield Viaduct (MVL3/92)		Works across Huddersfield Viaduct includes general strengthening works along the length of viaduct together with localised repairs to arches where necessary. These works include pinning and grouting, shear anchors and spandrel strengthening with tie bar and pattress plates.	<ul style="list-style-type: none"> Existing and Proposed East Elevation (Sheet 1) - 151667-TSA-30-MVL3-DRG-T-LP-168075 Existing and Proposed East Elevation (Sheet 2) - 151667-TSA-30-MVL3-DRG-T-LP-168076 Existing and Proposed East Elevation (Sheet 3) - 151667-TSA-30-MVL3-DRG-T-LP-168077 Existing and Proposed East Elevation (Sheet 4) - 151667-TSA-30-MVL3-DRG-T-LP-168078 Existing and Proposed East Elevation (Sheet 5) - 151667-TSA-30-MVL3-DRG-T-LP-168079
Huddersfield Viaduct	Span 1 – John William Street Underbridge (MVL3/92(2))	The existing Span 1 bridge deck will be removed and replaced with a new single span bridge deck due to the current structural arrangement of the bridge clashing with the proposed track and platform works.	<ul style="list-style-type: none"> Existing Plan and Proposed Plan (Sheet 1) - 151667-TSA-30-MVL3-DRG-T-LP-168070 Existing Plan and Proposed Plan (Sheet 2) - 151667-TSA-30-MVL3-DRG-T-LP-168071 Existing Plan and Proposed Plan (Sheet 3) - 151667-TSA-30-MVL3-DRG-T-LP-168072
Huddersfield Viaduct	Span 4 – Fitzwilliam Street Underbridge (MVL3/92(3))	Substructure repairs including removal and reinstatement of the pier to the south-western corner of the structure. Strengthening to cross girders. Removal and replacement of parapet.	<ul style="list-style-type: none"> Existing Plan and Proposed Plan (Sheet 4) - 151667-TSA-30-MVL3-DRG-T-LP-168073 Existing Plan and Proposed Plan (Sheet 5) - 151667-TSA-30-MVL3-DRG-T-LP-168074 John William Street Bridge - Existing Highways General Arrangement - 151667-TSA-30-MVL3-DRG-T-LP-168081 John William Street Bridge - Proposed Highways General Arrangement - 1667-TSA-30-MVL3-DRG-T-LP-168082
Huddersfield Viaduct	Span 29 Bradford Road Underbridge (MVL3/92(9))	Existing bridge deck to be removed and replaced. Additional masonry pilasters/buttresses will be formed at the corners of the new abutments into which the concrete parapet will join. New concrete abutments to be built with stone facing in front of existing sandstone at both ends and, on both elevations.	

3. RELEVANT PLANNING CONDITION

3.1.1 The wording of Condition 12 is reproduced as follows:

- a) *No work in respect of the provision of anti-trespass works on structures as identified on planning direction drawing 151667-TSA-30-MVL3-DRG-T-LP162000 Rev P01 relating to bridge MVL3/90 Westgate Road must commence until full details of the anti-trespass measures have been submitted to and approved in writing by the local planning authority.*
- b) *The development must be constructed in accordance with the approved details.*

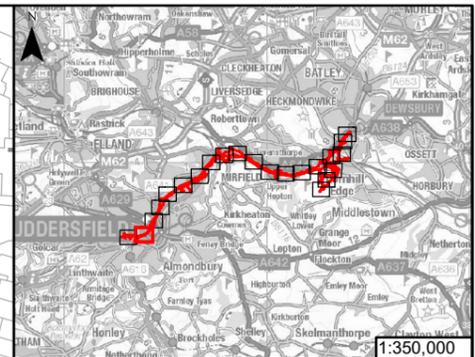
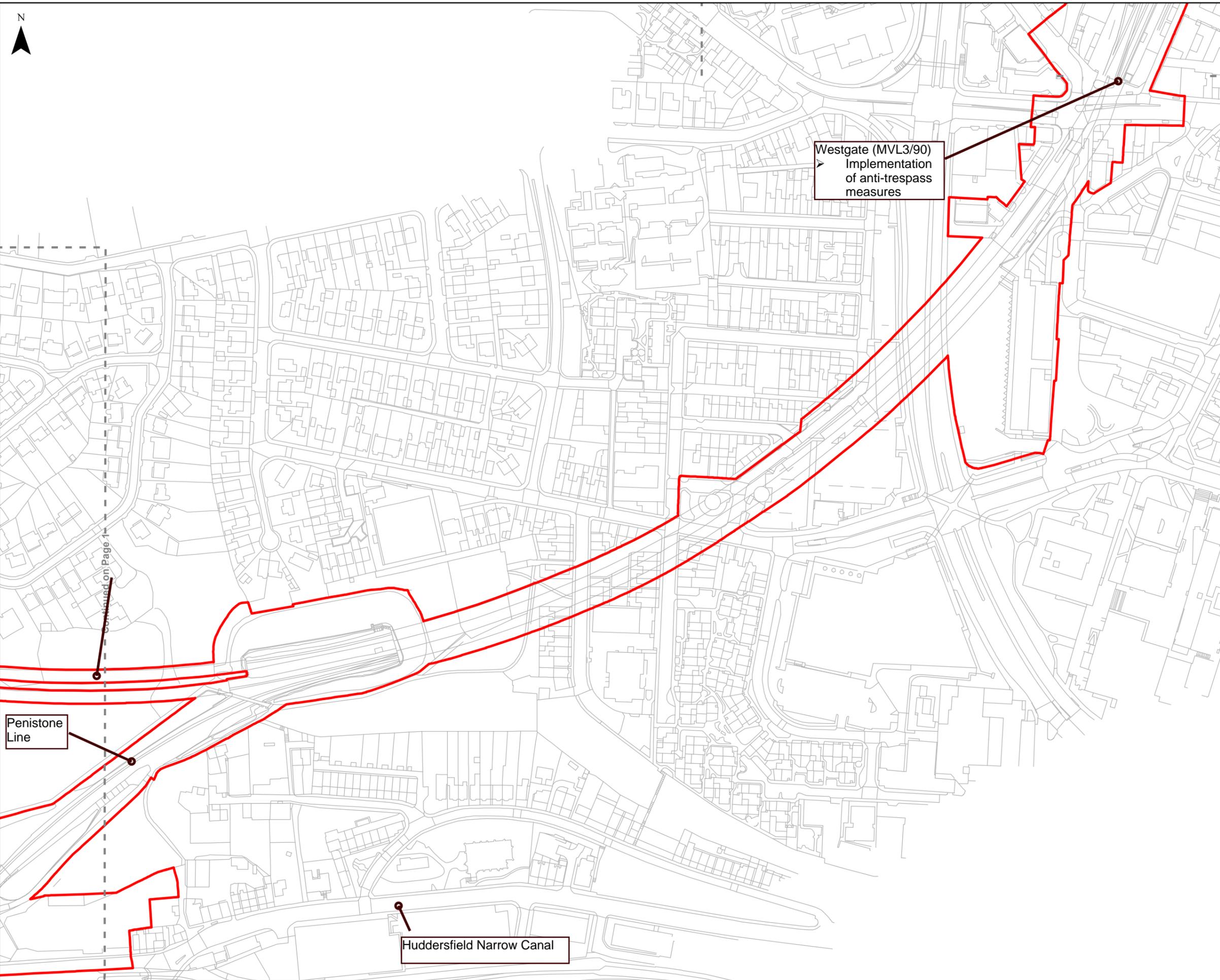
Reason: *To ensure the measures will not have a detrimental effect on significance of the Huddersfield Town Centre Conservation Area in accordance with Policies LP17, LP24 and LP35 of the Kirklees Local Plan and chapter 16 of the National Planning Policy Framework.*

4. MVL3/90 WESTGATE ROAD BRIDGE

- 4.1.1 This section provides details of the anti-trespass measures to be employed.
- 4.1.2 Drawing 151667-TSA-30-MVL3-DRG-T-LP-040030 version P01 in Appendix B provides details of the proposed works to be undertaken. These are summarised as follows:
- Existing litter bin located on pavement on northern footway of Westgate to be moved away from the existing parapet. It is assumed that Kirklees Council will arrange for this to be moved. This is shown in the drawing in Appendix B. Note the existing location is shown in green with the proposed new location shown in red.
 - Existing litter bin located at junction of Westgate and St George's Square to be moved to opposite side of street. It is assumed that Kirklees Council will arrange for this to be moved. This is shown in the drawing in Appendix B. Note the existing location is shown in green with the proposed new location shown in red.
 - Anti-climb measures to be constructed on existing utility cabinets (Cabinets A and B). These are shown in plan on the drawing in Appendix B, with further detail provided in sections D-D to H-H as well as with rendered photographs to demonstrate the visual impact of the works.
- 4.1.3 Proposed works and relocation of bins/salt grit bins have been discussed and agreed with Kirklees Council as Local Highways Authority.

Appendices

APPENDIX A – STAGE 4 WORKS LOCATION PLAN



Scheme Boundary
 Adjacent Map Sheet



P01	12/02/21	FIRST ISSUE	RB	PB	PB
Rev	Date	Description of Revisions	Drwn	Chkd	Appr
Status	SHARED				Suitability



Project
TRANSPENNINE ROUTE UPGRADE
 Contract No.
151667
 Scheme Title
THE NETWORK RAIL (HUDDERSFIELD TO WESTTOWN (DEWSBURY) IMPROVEMENTS) ORDER

Drawing Title

**Figure 1
Stage 4 works**

Designed	R.Bowes	Signed Electronically	Date	12/02/2021
Drawn	R.Bowes	Signed Electronically	Date	12/02/2021
Checked	P.Butler	Signed Electronically	Date	12/02/2021
Approved	P.Butler	Signed Electronically	Date	12/02/2021

Scale(s)	1:2,500	ELR & Project Chainage	---
Alternative Reference	---	Sheet	2 of 22
Drawing Number	151667-TSA-00-TRU-REP-W-EN-001370	Revision	P01.1

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Railway works include

- 4 tracking
- Horizontal track realignment
- Relaying of ballast and tracks

Continued on Page 4

Halfords - access to business to be maintained

Huddersfield Viaduct (MVL3/92) Bradford Road

- Existing bridge deck to be removed and replaced
- Additional masonry pilasters/butresses will be formed at the corners of the new abutments into which the concrete parapet will join.
- New concrete abutments to be built with stone facing in front of existing sandstone at both ends and, on both elevations.

Huddersfield Viaduct – Span 4 – Fitzwilliam Street Underbridge

- Substructure repairs including removal and reinstatement of the pier to the south-western corner of the structure
- Strengthening to cross girders
- Removal of parapet and replacement with replica in cast iron

Huddersfield Viaduct - general strengthening works along the length of viaduct together with localised repairs to arches where necessary. These works include pinning and grouting, shear anchors and spandrel strengthening with tie bar and pattress plates.

DNO - Fitzwilliam Street

Huddersfield Viaduct Span 1 (MVL3/929 (1)) - John William Street

- existing bridge deck will be removed and replaced with a new single span bridge deck

Fitzwilliam Street Construction Compound

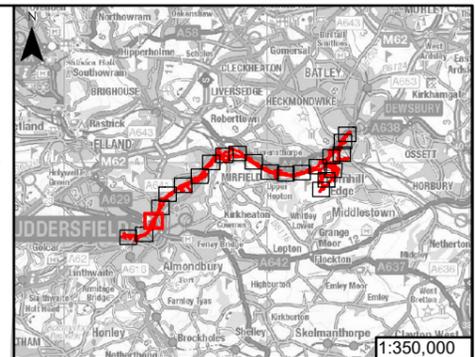
Huddersfield Station - construction compound

Brian Jackson House

Huddersfield Station

- main train shed - structural works, two bays at Manchester end of canopy to be demolished, two new bays at Leeds end of platform 1; reinstatement of main train shed lantern;
- smaller train shed (canopies B&C) to be demolished, new roof to be constructed;
- free standing canopies over island platforms
- extension to canopy to service Penistone line;
- tea rooms to be deconstructed and relocated;
- a covered footbridge (with lift and stairs) to be constructed (step free access)
- concrete infill of existing parcel subway
- extension to existing passenger subway to service new island platform to north of station
- Grit blasting of main train shed
- Works to railway lines including provision of new platforms and removal of existing railway sidings
- Demolition of existing relay room

Continued on Page 2



Scheme Boundary
 Adjacent Map Sheet



P01	12/02/21	FIRST ISSUE	RB	PB	PB
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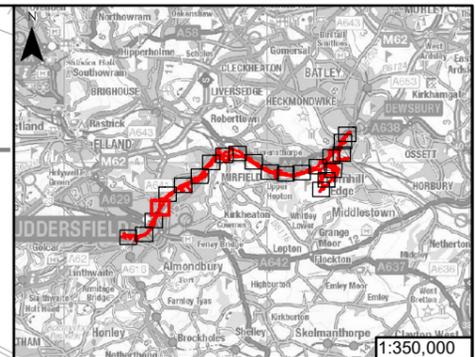
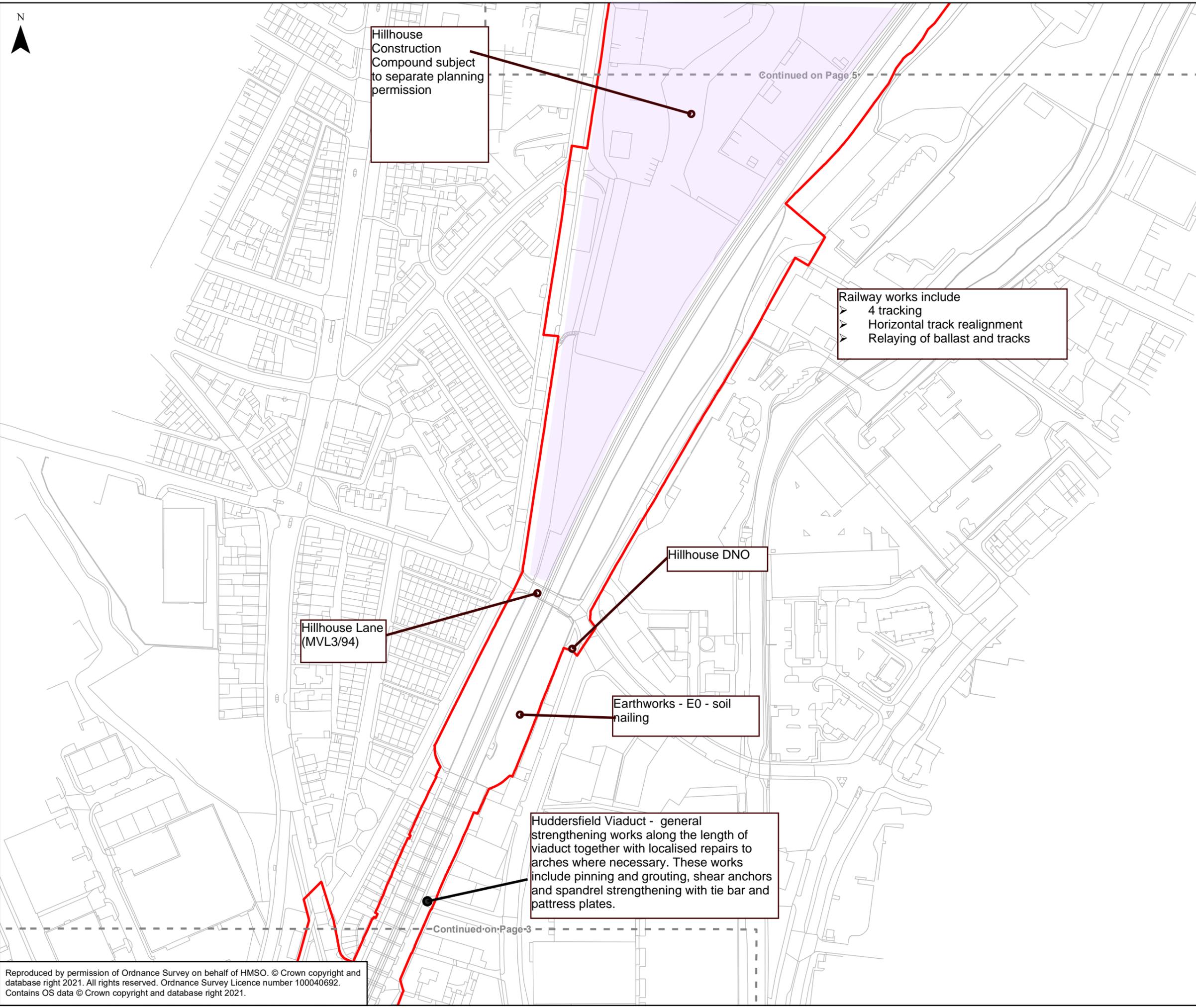
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				3 of 22
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				P01.1



- Scheme Boundary
- Adjacent Map Sheet



P01	12/02/21	FIRST ISSUE	RB	PB	PB
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SHARED					



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Scale(s)
1:2,500

ELR & Project Chainage

Alternative Reference

Sheet
4 of 22

Drawing Number
151667-TSA-00-TRU-REP-W-EN-001370

Revision
P01.1

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APPENDIX B – DRAWING 151667-TSA-30-MVL3-DRG-T-LP-040030

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