

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

## **Condition 7: Materials – Stage 4**

**Document reference: 151667-TSA-00-TRU-REP-W-EN-001263**

**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 7 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 2-1<sup>1</sup> in Volume 4 of the Environmental Statement (ES) and Table 2-4 in Chapter 2: Scheme Description (Route Section 1)<sup>2</sup> 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.

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

<sup>2</sup> [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"> <li>• Footbridge - Proposed Elevations - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168053</a></li> <li>• Footbridge - Proposed Plan Deck Level - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168051</a></li> <li>• Footbridge - Proposed General Arrangement Platform Level - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168050</a></li> <li>• Footbridge - Proposed Roof Level General Arrangement - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168052</a></li> <li>• Footbridge - Proposed Sections - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168054</a></li> <li>• Existing and Proposed Long Sections (A-A) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168003</a></li> <li>• Existing and Proposed Long Sections (B-B) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168005</a></li> </ul>
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"> <li>• Existing Plan and Sections - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168064</a></li> <li>• Proposed Plan and Section - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168065</a></li> </ul>
Huddersfield Station	Parcel Subway (MVL3/91A)	Utilising existing subway for utilities ducting and signalling equipment. Concrete infill.	<ul style="list-style-type: none"> <li>• Existing Plan and Sections - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168067</a></li> <li>• Proposed Plan and Section - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168068</a></li> </ul>
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"> <li>• Existing Floor Plan and Elevations - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168016</a></li> <li>• Existing and Proposed Elevations - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168015</a></li> <li>• Proposed Floor Plan and Elevations - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168017</a></li> </ul>
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"> <li>• Existing Plan - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168060</a></li> <li>• Existing and Proposed Platform General Arrangement - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168001</a></li> <li>• Proposed Plan and Section - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168061</a></li> <li>• Proposed Plan and Section - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168062</a></li> <li>• Proposed Plan and Section - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168063</a></li> </ul>

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

Location	Structure/works	Summary description	Deemed Planning Drawing Title and Reference
			<ul style="list-style-type: none"> <li>Proposed Platform Canopies Elevation (1) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168034</a></li> <li>Proposed Platform Canopies Elevation (2) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168035</a></li> <li>Proposed Platform Canopies Structural Plan (Platform Level) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168031</a></li> <li>Proposed Platform Canopies Structural Sections - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168032</a></li> <li>Proposed Platform Canopies Structural Sections - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168033</a></li> </ul>
Huddersfield Station	Canopies – Penistone Line	Extension of Penistone Line canopies.	<ul style="list-style-type: none"> <li>Proposed Penistone Line Canopy Platform Level Plan General Arrangement - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168036</a></li> <li>Proposed Platform Penistone Canopies Structural Sections - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168037</a></li> <li>Proposed Platform Penistone Canopies Proposed Roof Covering Plans - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168038</a></li> <li>Proposed Platform Penistone Canopies Elevation (1) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168039</a></li> </ul>
Huddersfield Station	Relay Room	Existing relay room to be demolished.	<ul style="list-style-type: none"> <li>Existing and Proposed Platform General Arrangement - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168001</a></li> </ul>
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"> <li>No relevant planning drawings</li> </ul>
Huddersfield Viaduct (MVL3/92)		Works across Huddersfield Viaduct includes general strengthening works along the length of viaduct	<ul style="list-style-type: none"> <li>Existing and Proposed East Elevation (Sheet 1) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168075</a></li> </ul>

Location	Structure/works	Summary description	Deemed Planning Drawing Title and Reference
		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"> <li>Existing and Proposed East Elevation (Sheet 2) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168076</a></li> <li>Existing and Proposed East Elevation (Sheet 3) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168077</a></li> <li>Existing and Proposed East Elevation (Sheet 4) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168078</a></li> </ul>
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"> <li>Existing and Proposed East Elevation (Sheet 5) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168079</a></li> <li>Existing Plan and Proposed Plan (Sheet 1) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168070</a></li> <li>Existing Plan and Proposed Plan (Sheet 2) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168071</a></li> </ul>
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"> <li>Existing Plan and Proposed Plan (Sheet 3) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168072</a></li> <li>Existing Plan and Proposed Plan (Sheet 4) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168073</a></li> <li>Existing Plan and Proposed Plan (Sheet 5) - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168074</a></li> </ul>
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.	<ul style="list-style-type: none"> <li>John William Street Bridge - Existing Highways General Arrangement - <a href="#">151667-TSA-30-MVL3-DRG-T-LP-168081</a></li> <li>John William Street Bridge - Proposed Highways General Arrangement - <a href="#">1667-TSA-30-MVL3-DRG-T-LP-168082</a></li> </ul>

### 3. RELEVANT PLANNING CONDITION

3.1.1 The wording of Condition 7 is reproduced as follows:

a) *Before the commencement of any works in respect of structures listed below, samples and specifications of all materials to be used on all external elevations of the following structures must be submitted to and approved in writing by the local planning authority:*

i) *MVN2/204 Lees Hall Farm*

ii) *MVL3/90 Westgate Road bridge*

iii) *MVL3/98 Fieldhouse Bridge*

iv) *MVL3/99 Ridings*

v) *MVL3/100 Peels Pit*

vi) *MVL3/101 Whitacre Street*

vii) *MVL3/103 New Colliery Lane (Wheatley's) Bridge*

viii) *MVL3/110 Parks*

ix) *MVL3/107 New Colne Bridge Road Bridge*

x) *MVN2/202 Calder Road*

xi) *MDL1/9 Fall Lane (Thornhill Road)* xii) *Ravensthorpe Railway Station*

xiii) *Deighton Station Forecourt, Lifts & Footbridge*

xiv) *Mirfield Station Lifts & Footbridge*

xv) *Baker Viaduct (Ravensthorpe)* xvi) *Weaving Lane Retaining Wall*

xvii) *Station staircase access to be closed at Mirfield station*

xviii) *Principal station signage at Huddersfield, Deighton, Mirfield and Ravensthorpe stations*

b) *The development must be constructed in accordance with the approved details and thereafter retained unless otherwise agreed in writing with the local planning authority.*

**Reason:** *To mitigate expected construction impacts arising from the development and to protect local and residential amenity and to ensure the development is carried out in accordance with Kirklees Local Plan policies LP51 and 52.*

## 4. MATERIALS

4.1.1 The following sections details the materials specification for the structures within Stage 4 and covers the following structures:

- *ii) MVL3/90 Westgate Road bridge*
- *xviii) Principal station signage at Huddersfield*

4.1.2 The majority of materials proposed are standard construction materials e.g., concrete, fill material. The applicant does not therefore propose to samples for all materials, however where the local planning authority requests, samples can be provided.

4.1.3 Details of lineside fencing will be provided to satisfy Condition 9 – Means of Enclosure of the Deemed Planning Permission.

### 4.2 MVL3/90 Westgate Road bridge

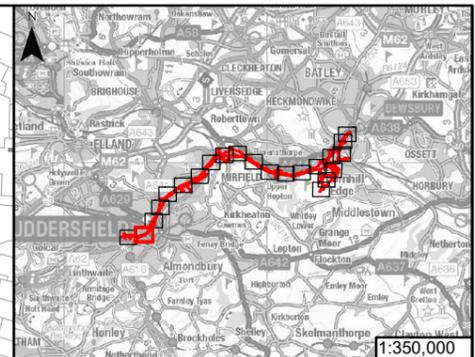
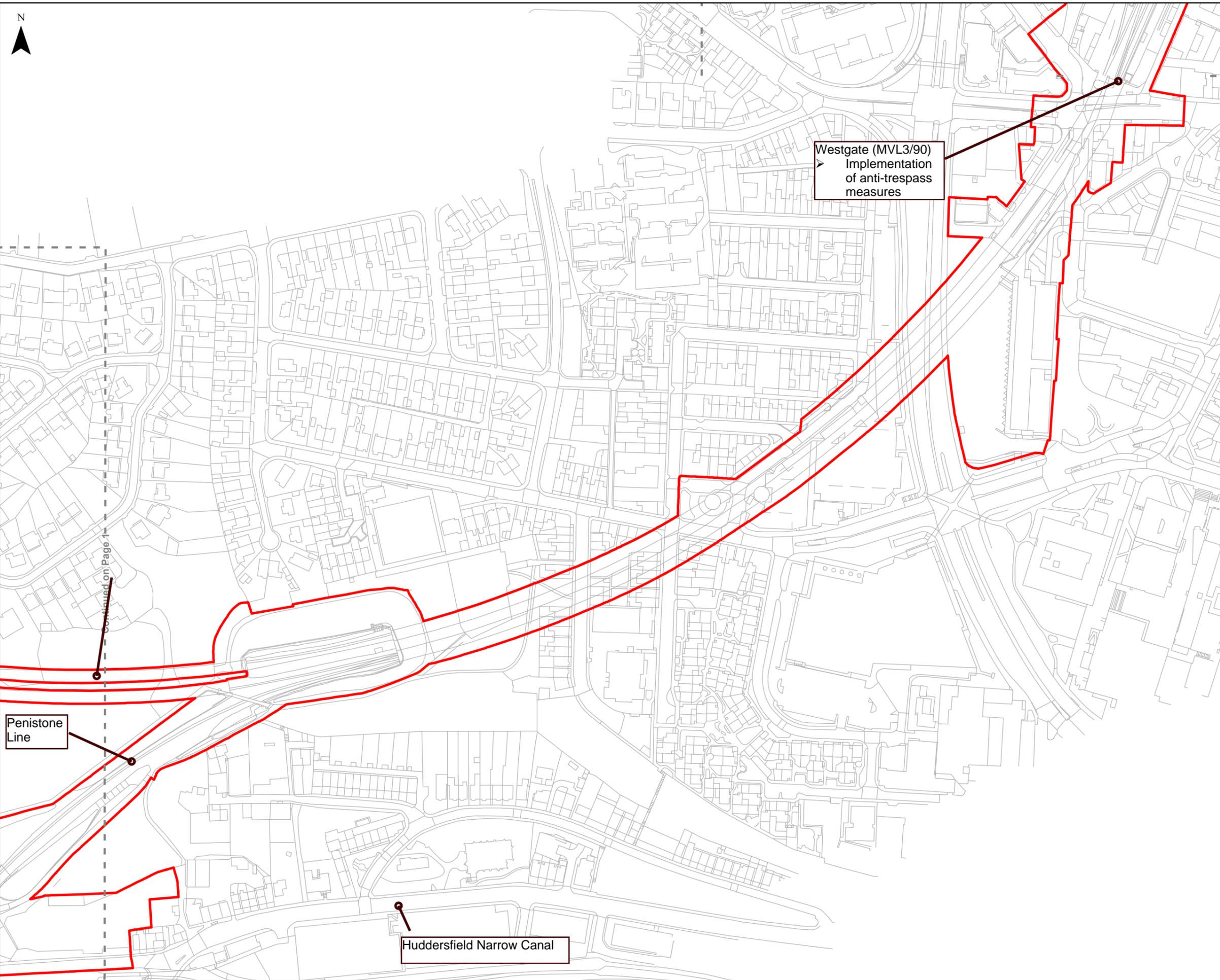
4.2.1 The proposal at the time of submission of the Deemed Planning/Transport and Works Act Order (TWAO) was to raise the parapet height of the road bridge due to the provision of overhead line equipment (OLE) below the bridge and health and safety concerns. However, following design development and a review of Network Rail Standards for such works, there is no longer a requirement to amend the bridge parapet height and as such the existing situation will be retained.

4.2.2 Details relating to anti-trespass measures is provided to satisfy Condition 12 (Westgate Road Bridge) (document ref: 51667-TSA-00-TRU-REP-W-EN-001365) of the Deemed Planning Permission. The applicant therefore considers there is no requirement to provide any further detail to satisfy the wording of this condition.

### 4.3 Principal station signage at Huddersfield

4.3.1 There is no requirement to change the principal station signage at Huddersfield Railway Station as part of the Scheme. The existing signage will be retained as existing. The applicant therefore considers there is no requirement to provide any further detail to satisfy the wording of this condition.

## APPENDIX A – 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					Suitability
<b>SHARED</b>					



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

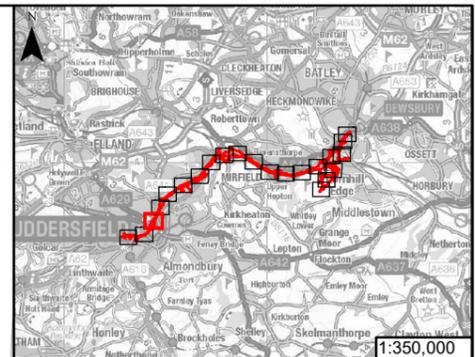
Huddersfield Station - construction compound

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
Rev	Date	Description of Revisions	Drwn	Chkd	Appr
Status	SHARED				Suitability



Project  
**TRANSPENNINE ROUTE UPGRADE**

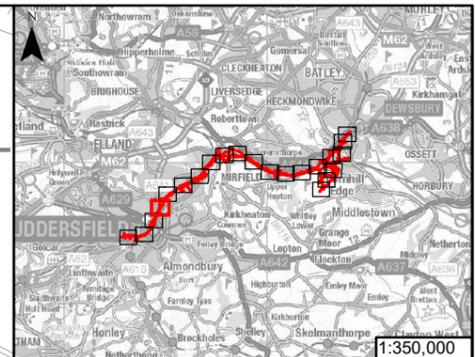
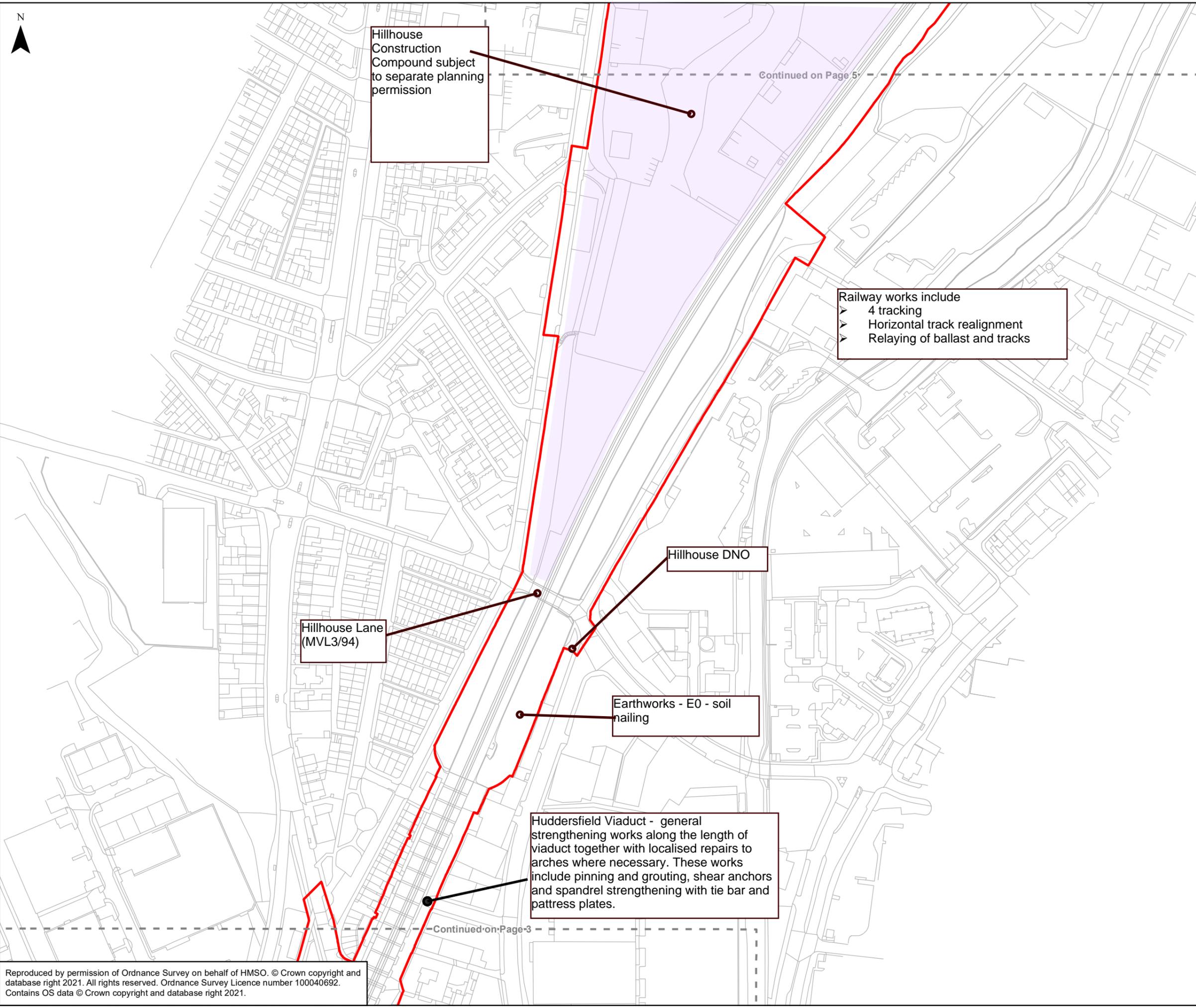
Contract No.  
151667

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
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Scale(s)	1:2,500	ELR & Project Chainage	---
Alternative Reference	---	Sheet	3 of 22
Drawing Number	151667-TSA-00-REP-W-EN-001370	Revision	P01.1



Scheme Boundary  
 Adjacent Map Sheet

Railway works include  
 > 4 tracking  
 > Horizontal track realignment  
 > Relaying of ballast and tracks



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



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

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Scale(s)  
 1:2,500  
 ELR & Project Chainage  
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Alternative Reference  
 ---  
 Sheet  
 4 of 22

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