



MetroWest+

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

2.9 Longitudinal Profile of Railway Alignment (Section Plans)

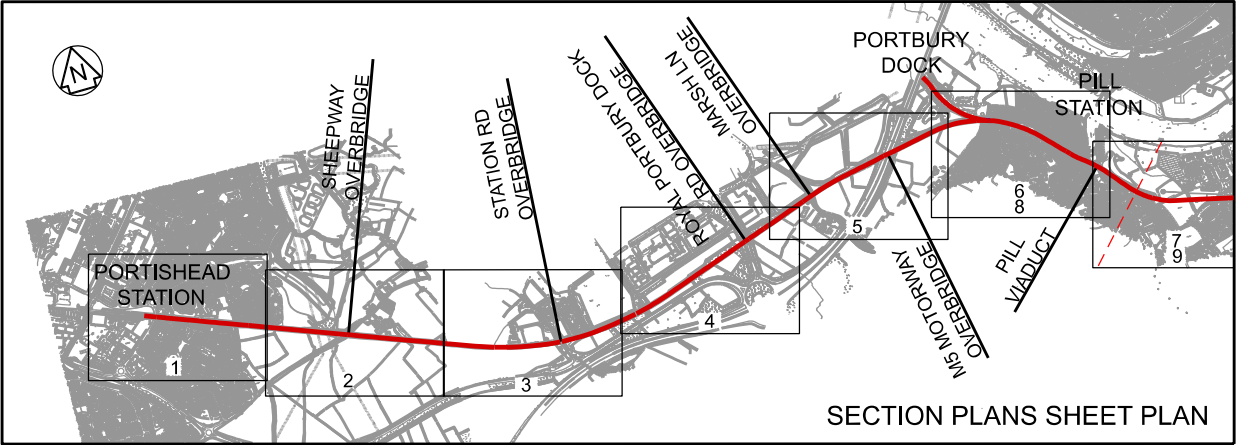
Author: Womble Bond Dickinson (UK) LLP

Version: 2

Date: September 2021

Document Index

Version	Date	Status of version	Document Index	Document Revision	Changes
1	19 November 2019	Application	2.9 Longitudinal Profile of Railway Alignment Section Plans -Sheets 1 to 9 W1097B-ARP-DRG-ETR-001301-001309 Rev A03	-	-
2	20 September 2021		2.9 Longitudinal Profile of Railway Alignment Section Plans -Sheets 1 to 9 W1097B-ARP-DRG-ETR-001301 Rev A03 W1097B-ARP-DRG-ETR-001302-001309 Rev A03	A04 N/A	Trinity Primary School Bridge and associated works removed.



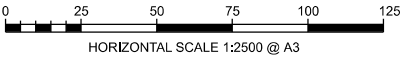
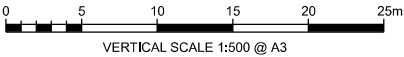
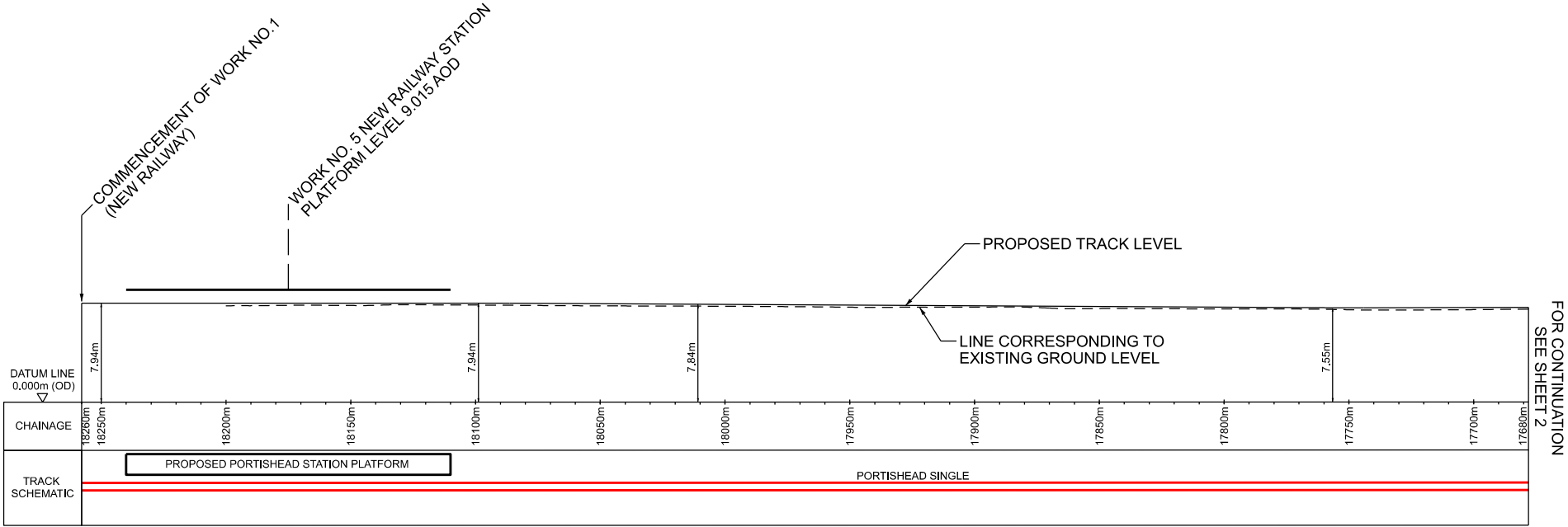
LIST OF WORKS SHOWN
ON THIS DRAWING

WORK NO. 1 - NEW RAILWAY
WORK NO. 5 - NEW RAILWAY STATION

- Legend/Notes
1. FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-301).
 2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.

NOTE: THIS DRAWING IS BASED ON THE ORIGINAL ARUP DRAWING. AMENDMENTS MADE BY NETWORK RAIL FOR 2021 DCO PLANNING APPLICATION.

SECTION WORK NO. 1
(NEW RAILWAY)



A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
A04	10/09/21	NR AMENDMENTS FOR DCO PLANNING APPLICATION	RR	RB	RB
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



Contractor(s)

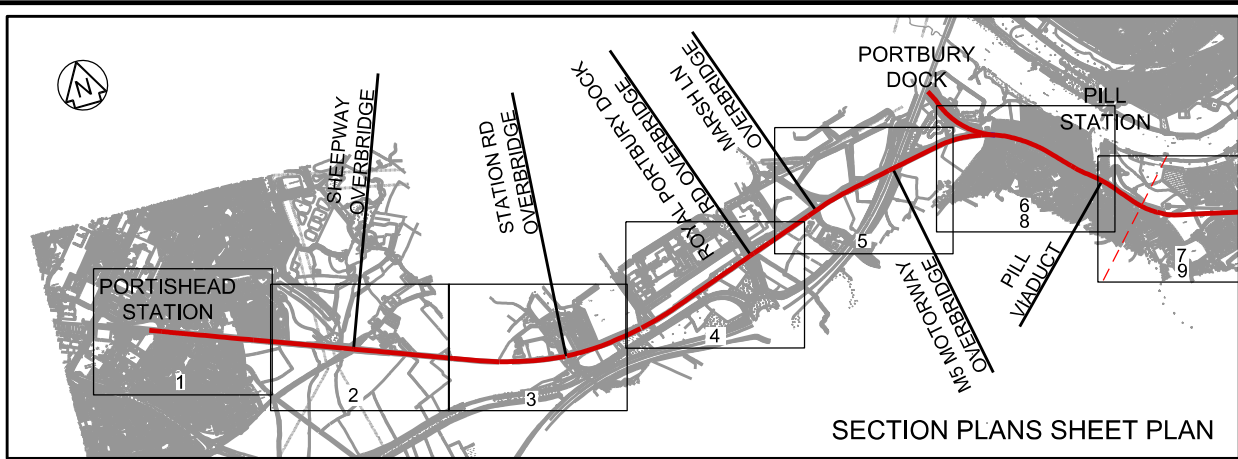
Project

METROWEST PHASE 1

Drawing Title

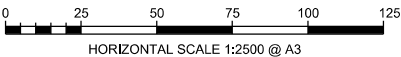
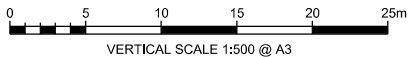
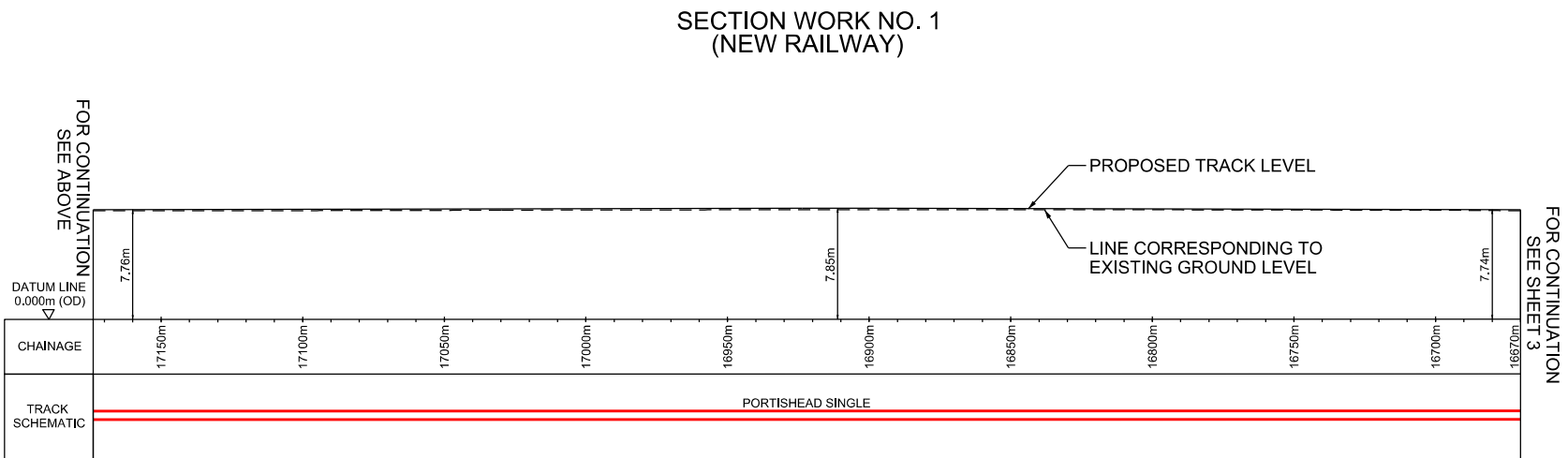
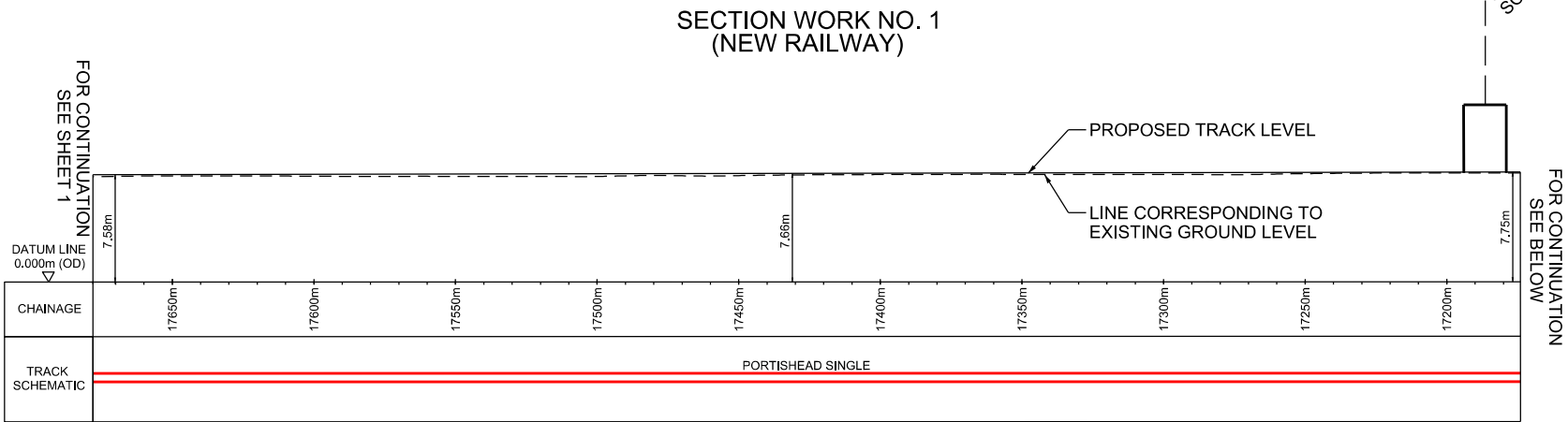
LONGITUDINAL PROFILE OF
RAILWAY ALIGNMENT
SECTIONS PLANS - SHEET 1

Designed	-	Signed	Date	-
Drawn	R. Raj	Signed	Date	10/09/21
Checked	R. Buckby	Signed	Date	10/09/21
Approved	R. Buckby	Signed	Date	10/09/21
Scale(s)	As Shown	Route Section	ELR & Mileage	POD 129M 00ch
Alternative Reference	000000-NWR-WST-POD-DRG-ETR-001301	Sheet	1 of 9	
Drawing Number	W1097B-ARP-DRG-ETR-001301	Revision	A04	



LIST OF WORKS SHOWN ON THIS DRAWING
WORK NO. 1 - NEW RAILWAY

- Legend/Notes
1. FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-302).
 2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.



A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



Contractor(s)

ARUP

63 St Thomas Street
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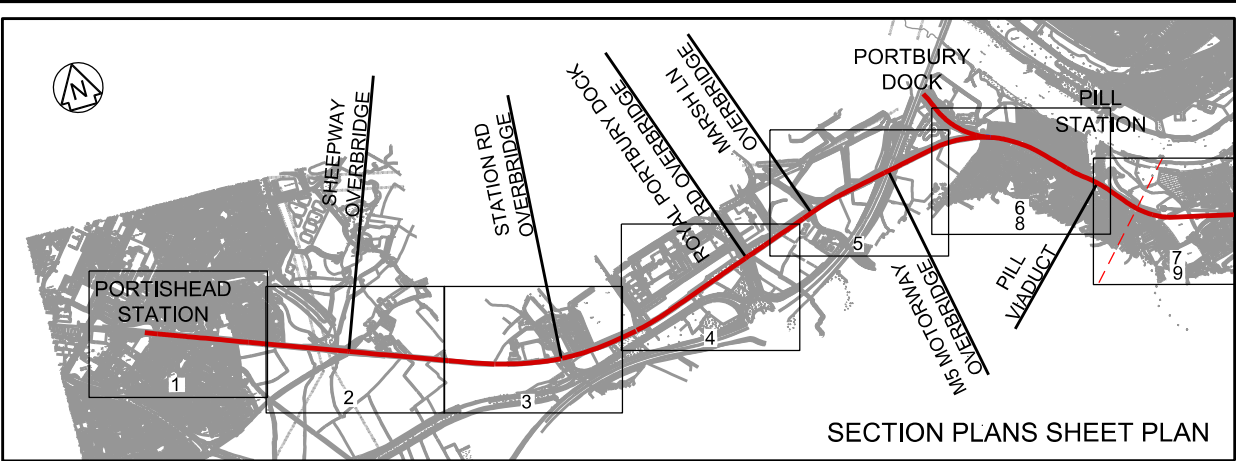
Project

METROWEST PHASE 1

Drawing Title

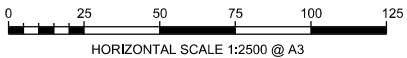
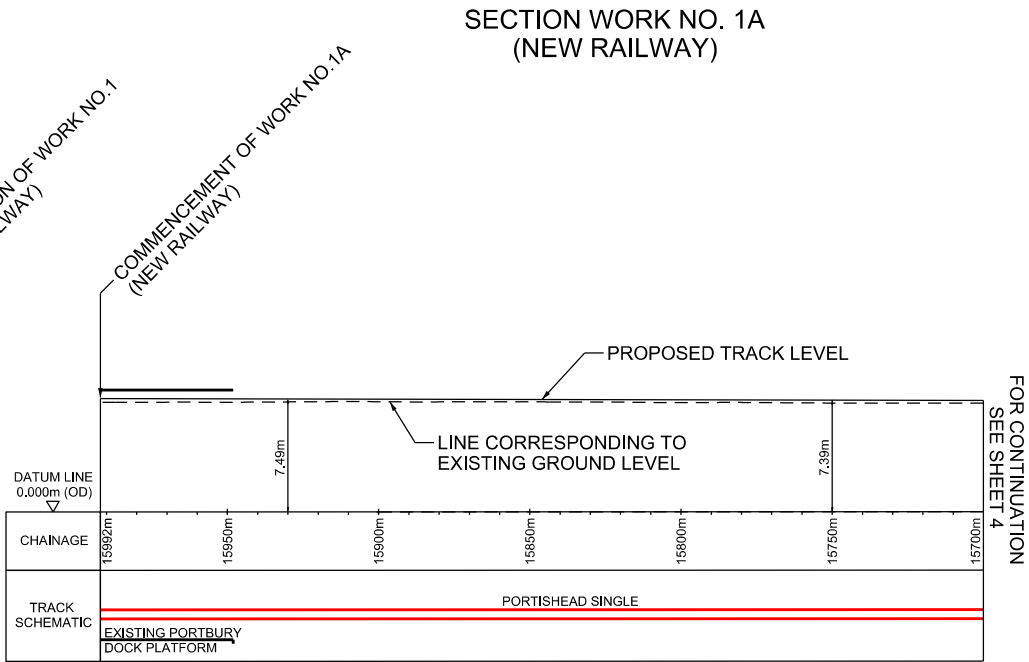
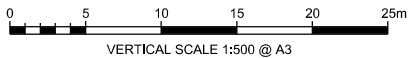
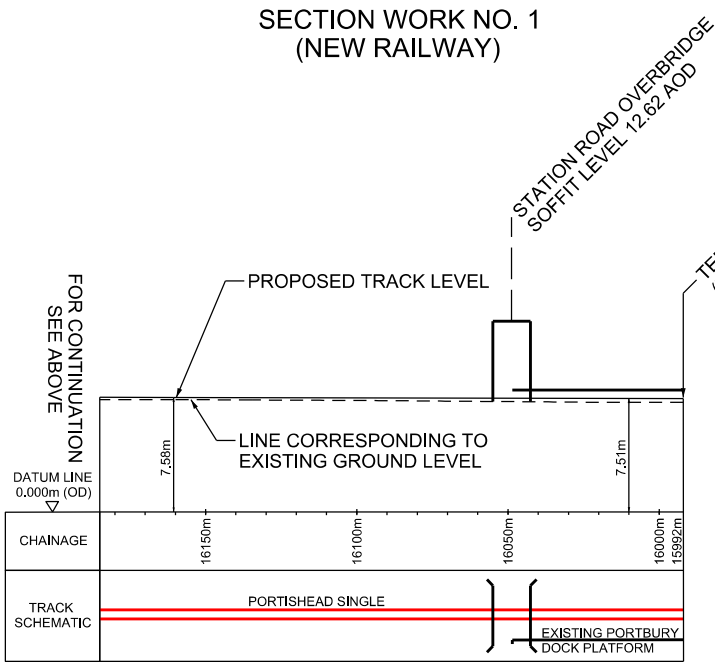
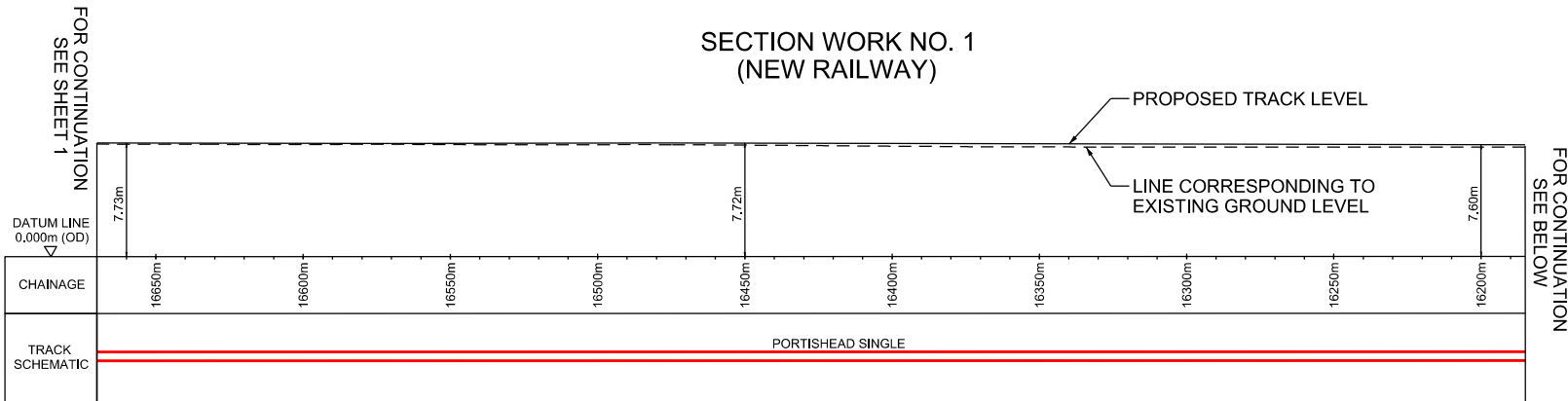
**LONGITUDINAL PROFILE OF
RAILWAY ALIGNMENT
SECTIONS PLANS - SHEET 2**

Designed	J. BACINSKI	Signed	Date	23/09/19
Drawn	J. BACINSKI	Signed	Date	23/09/19
Checked	R. SNELL	Signed	Date	23/09/19
Approved	R. SNELL	Signed	Date	23/09/19
Scale(s) As Shown		Route Section	ELR & Mileage POD 128M 30ch	
Alternative Reference			Sheet	2 of 9
Drawing Number W1097B-ARP-DRG-ETR-001302				Revision A03



- LIST OF WORKS SHOWN ON THIS DRAWING
- WORK NO. 1 - NEW RAILWAY
WORK NO. 1A - NEW RAILWAY

- Legend/Notes
1. FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-303).
 2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.



A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



Contractor(s)

ARUP

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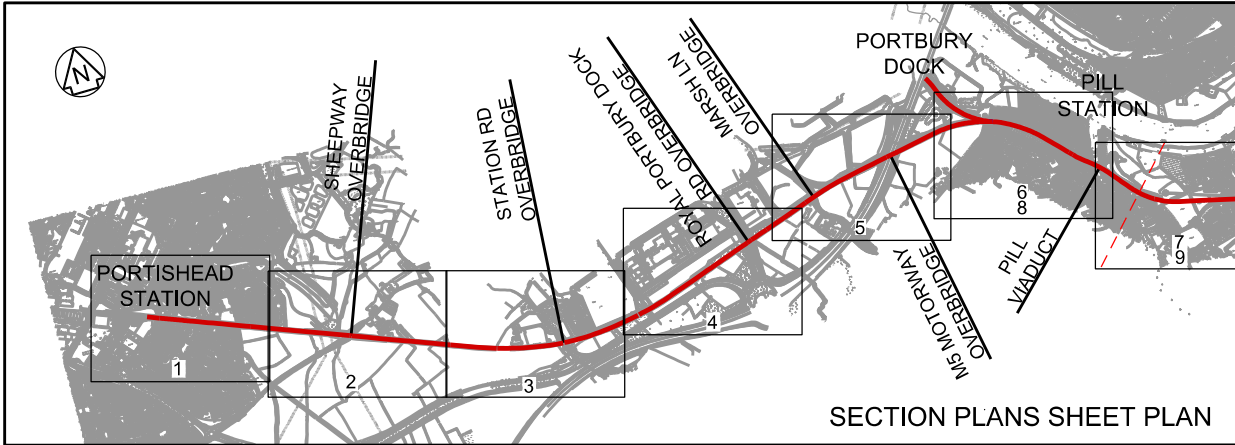
Project

METROWEST PHASE 1

Drawing Title

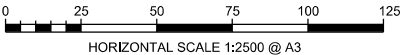
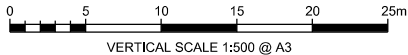
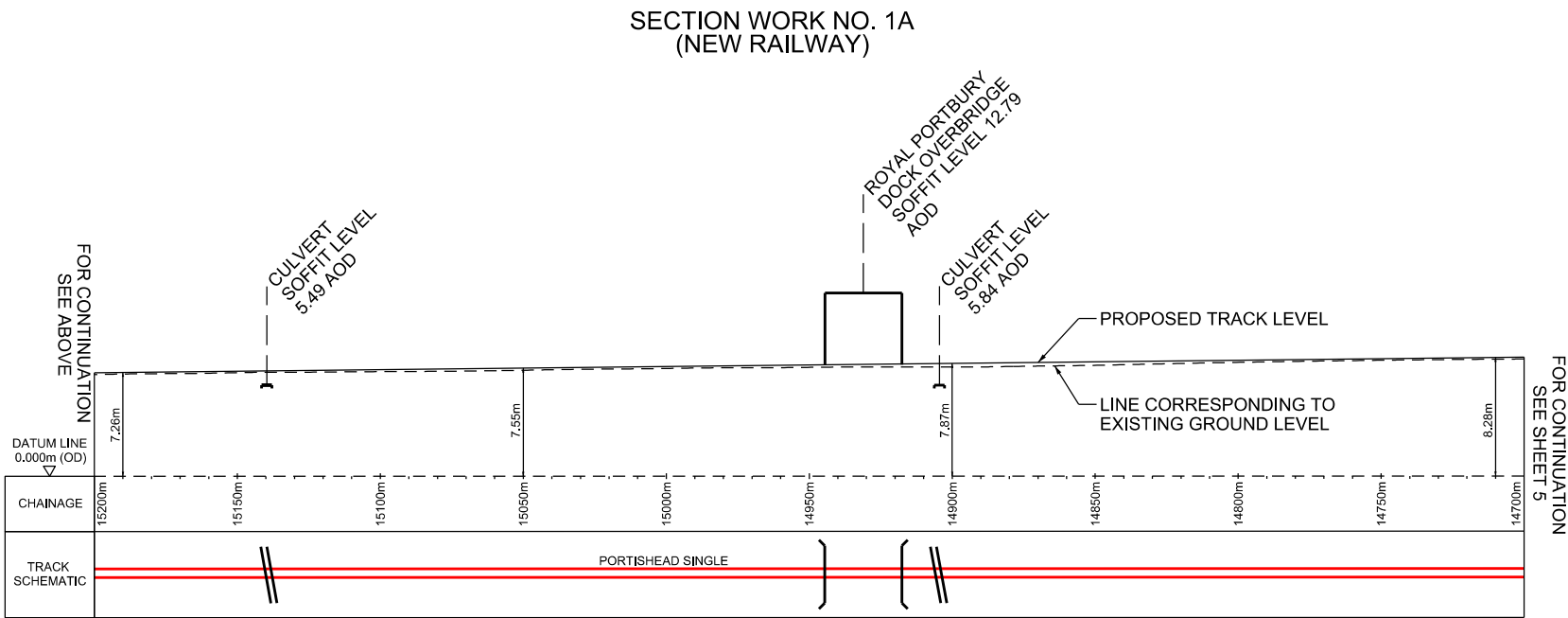
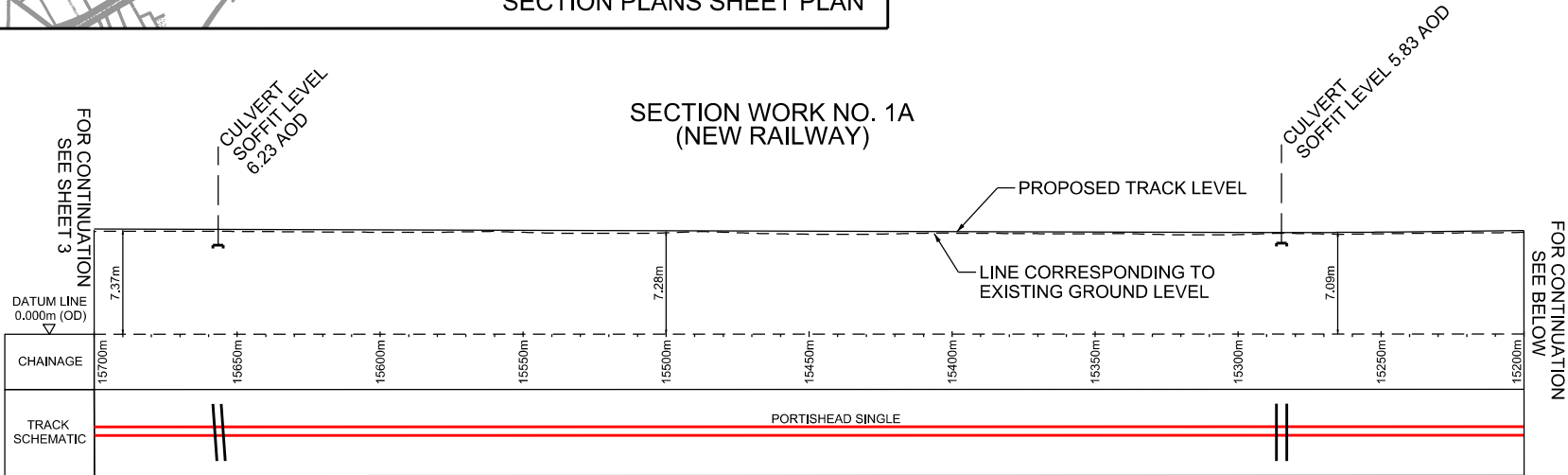
LONGITUDINAL PROFILE OF RAILWAY ALIGNMENT SECTIONS PLANS - SHEET 3

Designed	J. BACINSKI	Signed	Date	23/09/19
Drawn	J. BACINSKI	Signed	Date	23/09/19
Checked	R. SNELL	Signed	Date	23/09/19
Approved	R. SNELL	Signed	Date	23/09/19
Scale(s)	As Shown	Route Section	ELR & Mileage	POD 127M 62ch
Alternative Reference		Sheet		3 of 9
Drawing Number	W1097B-ARP-DRG-ETR-001303	Revision		A03



LIST OF WORKS SHOWN ON THIS DRAWING

WORK NO. 1A - NEW RAILWAY



- Legend/Notes
1. FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-304).
 2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.

A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



Contractor(s)

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Project

METROWEST PHASE 1

Drawing Title

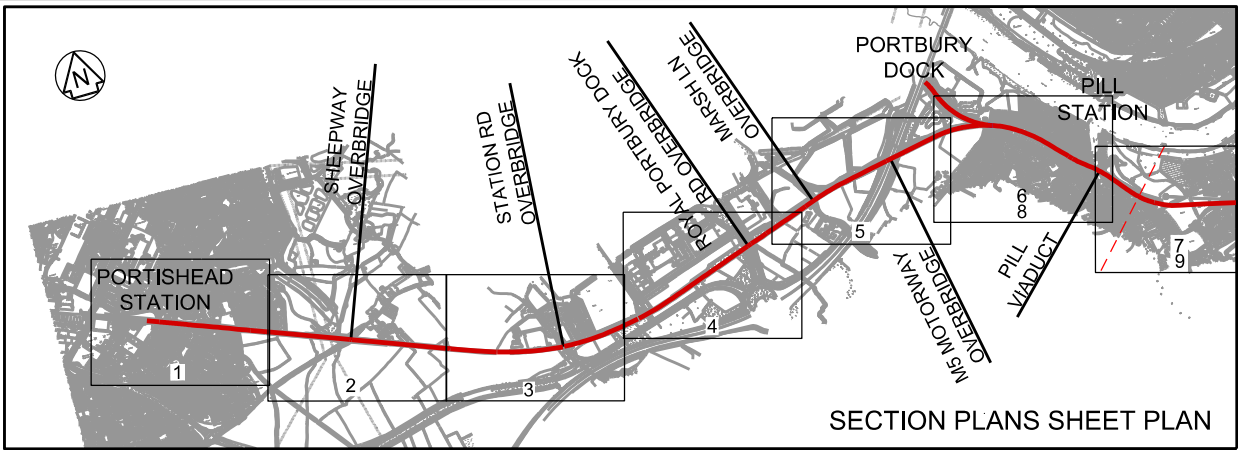
LONGITUDINAL PROFILE OF RAILWAY ALIGNMENT SECTIONS PLANS - SHEET 4

Designed	J. BACINSKI	Signed	Date	23/09/19
Drawn	J. BACINSKI	Signed	Date	23/09/19
Checked	R. SNELL	Signed	Date	23/09/19
Approved	R. SNELL	Signed	Date	23/09/19

Scale(s)	As Shown	Route Section	ELR & Mileage
		POD	127M 12ch

Alternative Reference	Sheet
	4 of 9

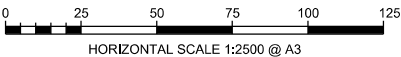
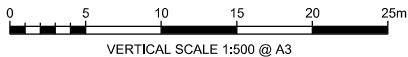
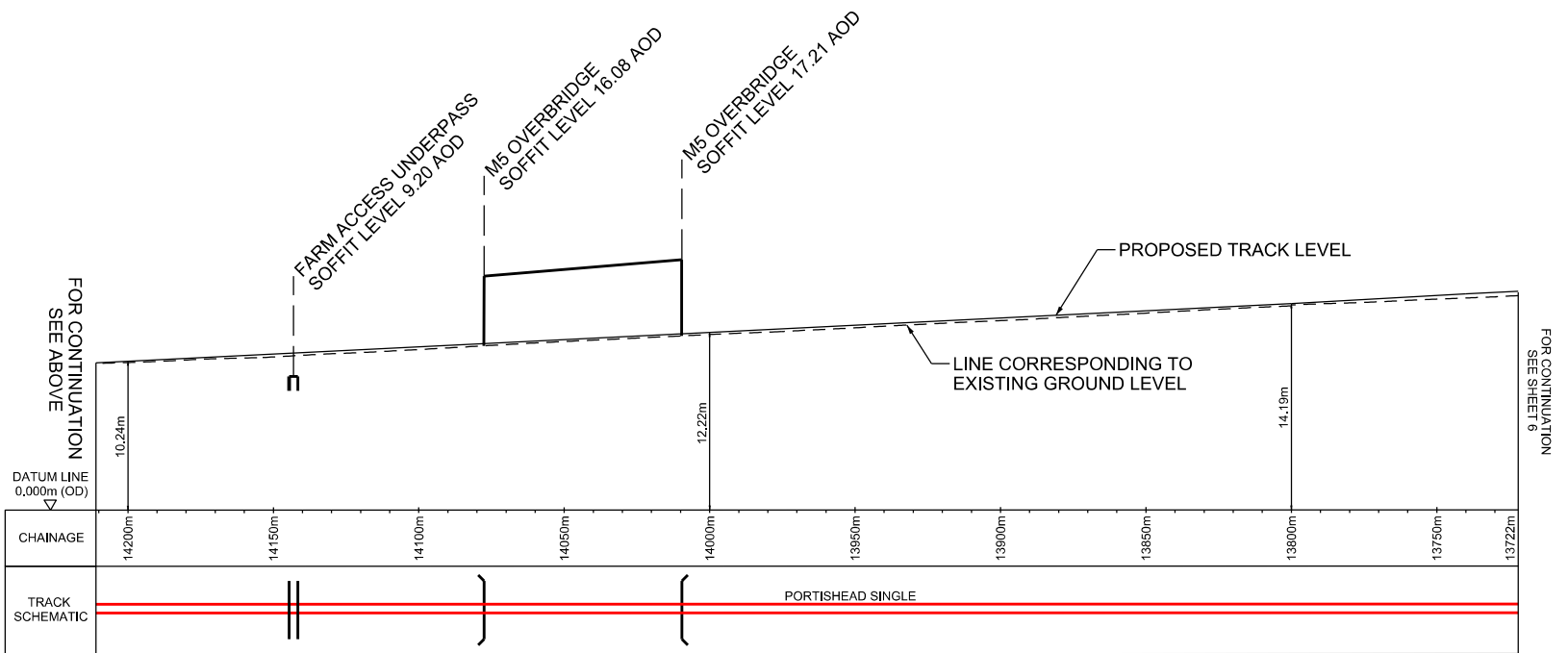
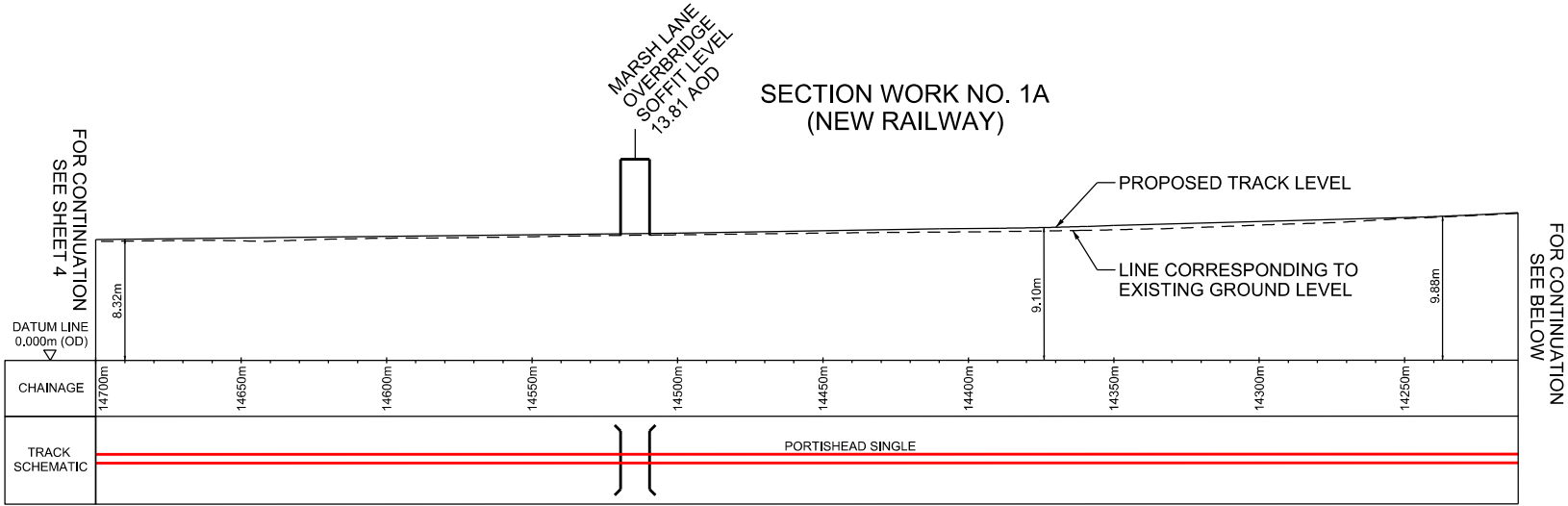
Drawing Number	Revision
W1097B-ARP-DRG-ETR-001304	A03



LIST OF WORKS SHOWN ON THIS DRAWING

WORK NO. 1A - NEW RAILWAY

- Legend/Notes
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 2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.



A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



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Project

METROWEST PHASE 1

Drawing Title

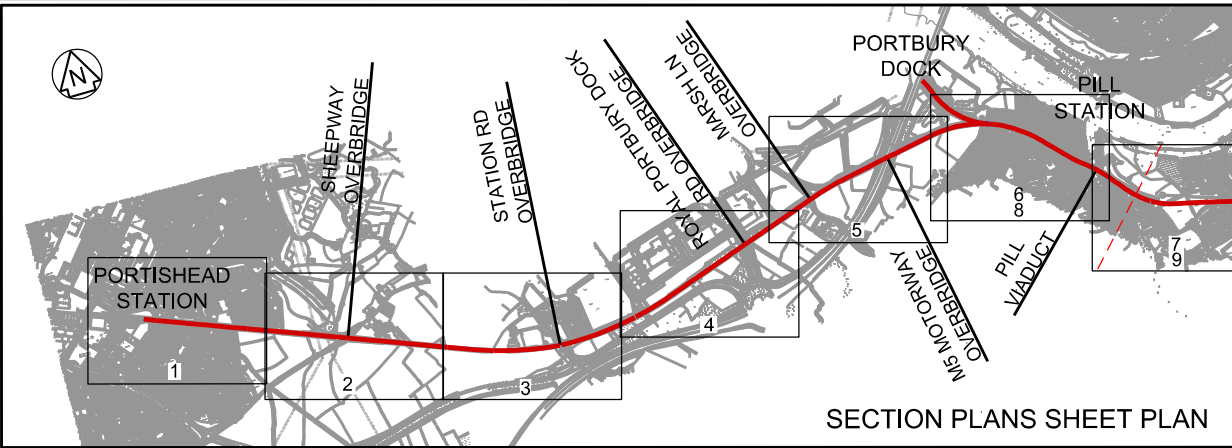
LONGITUDINAL PROFILE OF RAILWAY ALIGNMENT SECTIONS PLANS - SHEET 5

Designed	J. BACINSKI	Signed	Date	23/09/19
Drawn	J. BACINSKI	Signed	Date	23/09/19
Checked	R. SNELL	Signed	Date	23/09/19
Approved	R. SNELL	Signed	Date	23/09/19

Scale(s)	Route Section	ELR & Mileage
As Shown		POD 120M 44ch

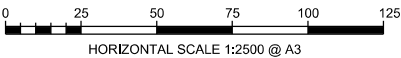
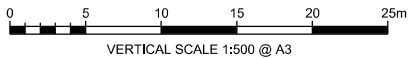
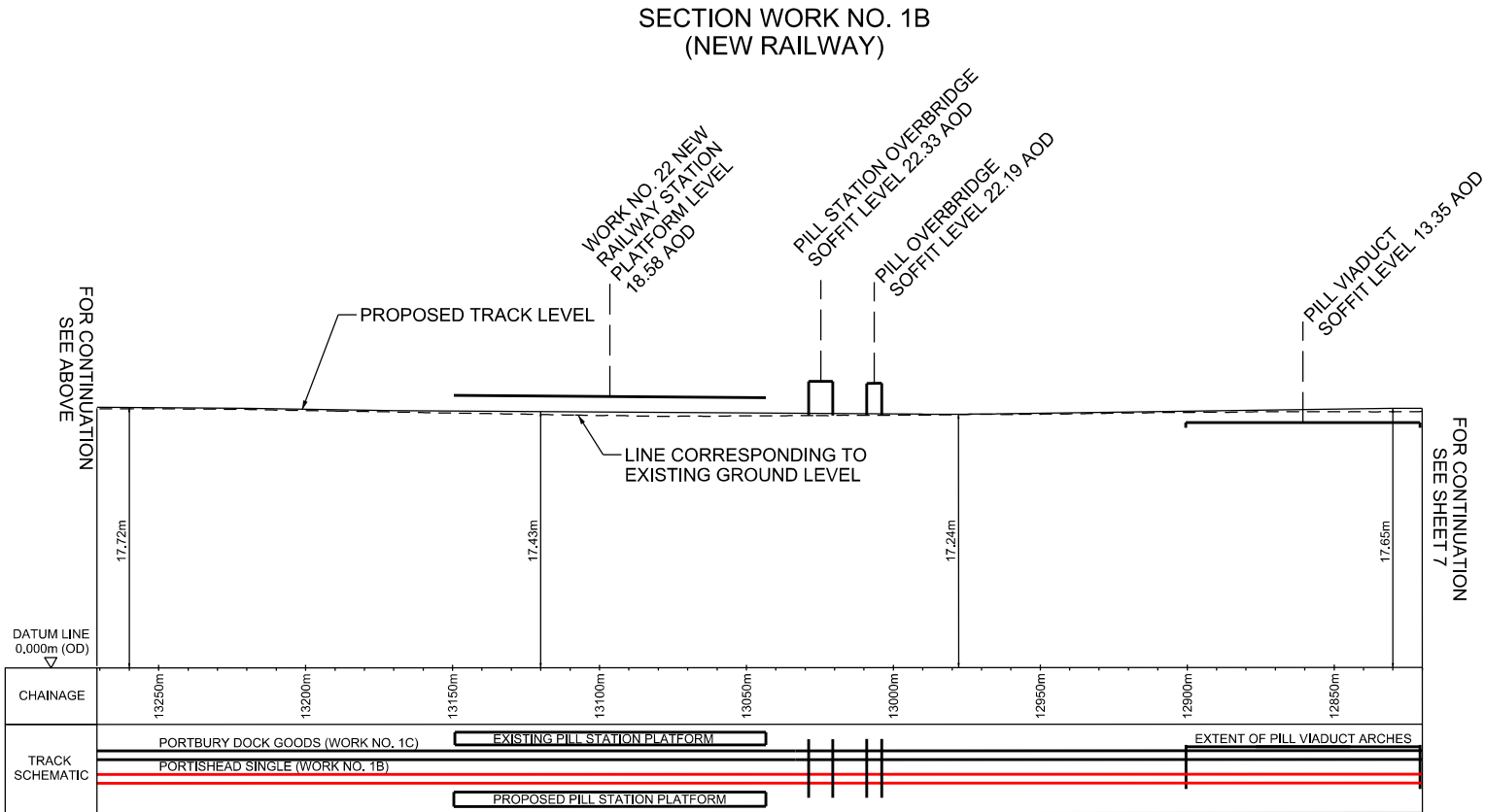
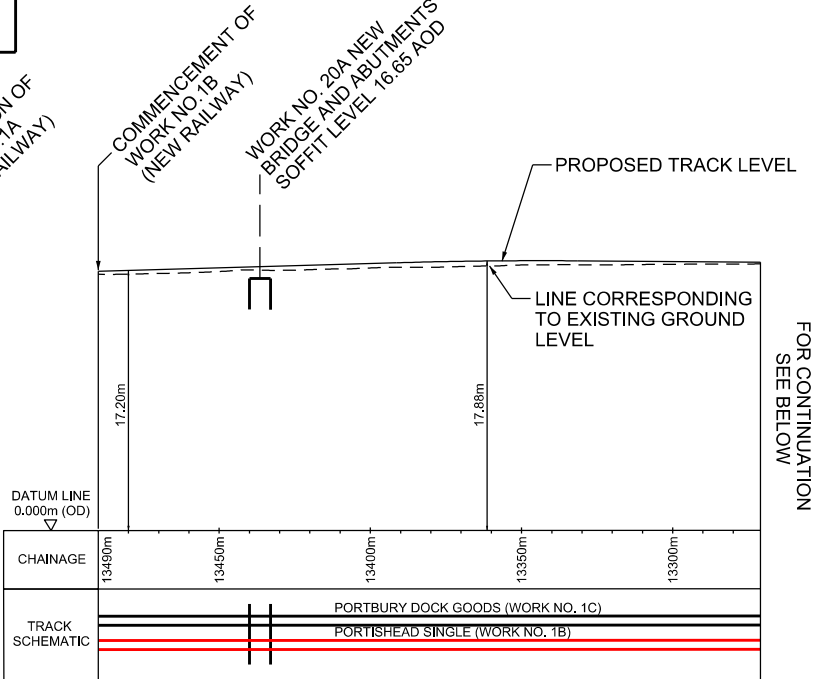
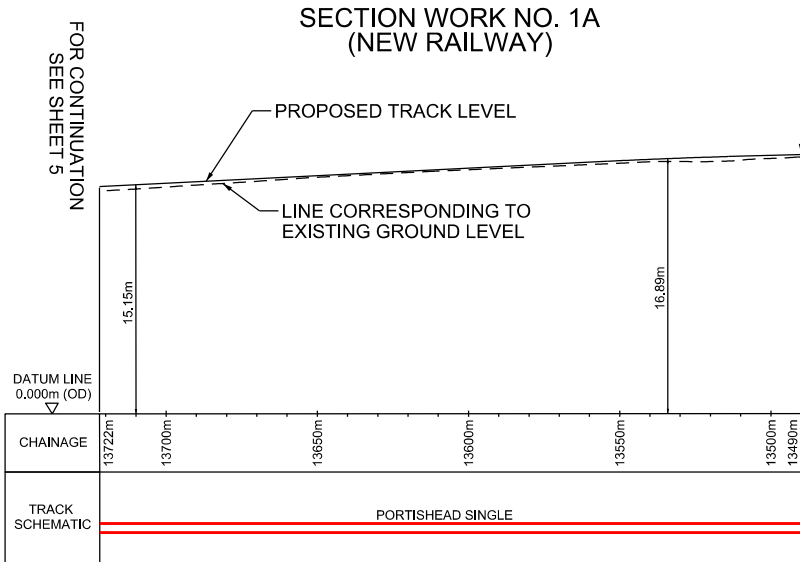
Alternative Reference	Sheet
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Drawing Number	Revision
W1097B-ARP-DRG-ETR-001305	A03



- LIST OF WORKS SHOWN ON THIS DRAWING
- WORK NO. 1A - NEW RAILWAY
 - WORK NO. 1B - NEW RAILWAY
 - WORK NO. 22 - NEW RAILWAY STATION
 - WORK NO. 20A - NEW BRIDGE AND ABUTMENTS

- Legend/Notes
- FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-306).
 - FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 - WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.



A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					
FIT FOR INFORMATION					S2



Contractor(s)

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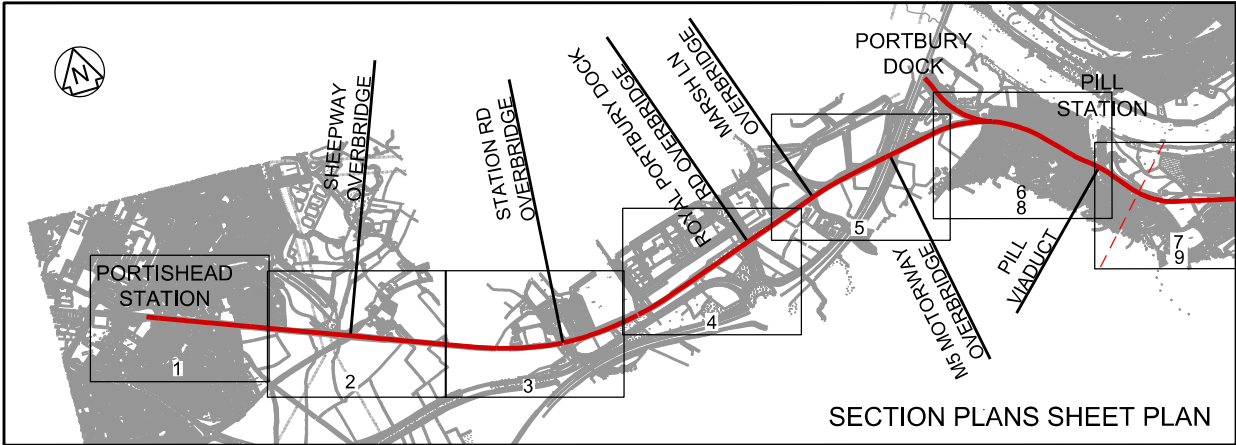
Project

METROWEST PHASE 1

Drawing Title

LONGITUDINAL PROFILE OF
RAILWAY ALIGNMENT
SECTIONS PLANS - SHEET 6

Designed	J. BACINSKI	Signed	Date	23/09/19
Drawn	J. BACINSKI	Signed	Date	23/09/19
Checked	R. SNELL	Signed	Date	23/09/19
Approved	R. SNELL	Signed	Date	23/09/19
Scale(s)	As Shown	Route Section	ELR & Mileage	POD 125M 79ch
Alternative Reference		Sheet		6 of 9
Drawing Number	W1097B-ARP-DRG-ETR-001306	Revision		A03

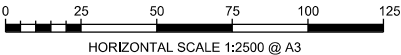
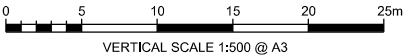
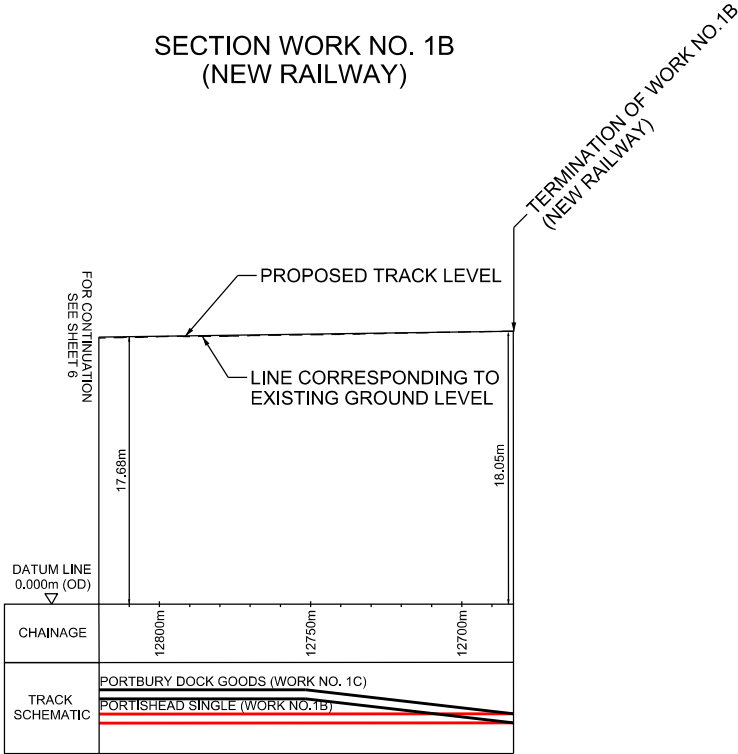


LIST OF WORKS SHOWN ON THIS DRAWING

WORK NO. 1B - NEW RAILWAY

- Legend/Notes
1. FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-307).
 2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.

SECTION WORK NO. 1B
(NEW RAILWAY)



A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



Contractor(s)

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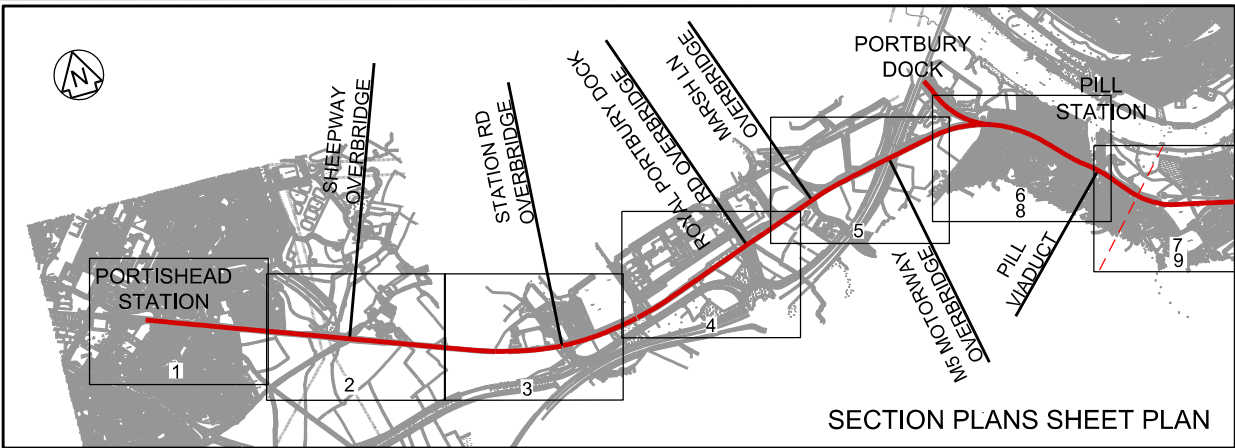
Project

METROWEST PHASE 1

Drawing Title

LONGITUDINAL PROFILE OF
RAILWAY ALIGNMENT
SECTIONS PLANS - SHEET 7

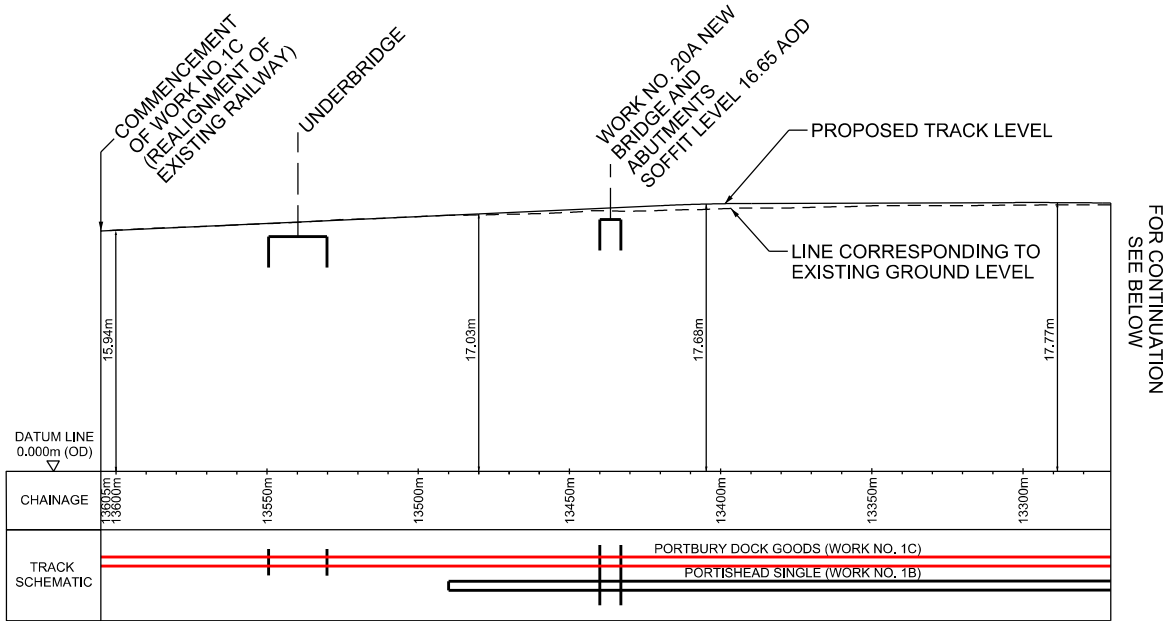
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Drawn	J. BACINSKI	Signed	Date	23/09/19
Checked	R. SNELL	Signed	Date	23/09/19
Approved	R. SNELL	Signed	Date	23/09/19
Scale(s)	As Shown	Route Section	ELR & Mileage	POD 125M 68ch
Alternative Reference		Sheet		7 of 9
Drawing Number	W1097B-ARP-DRG-ETR-001307	Revision		A03



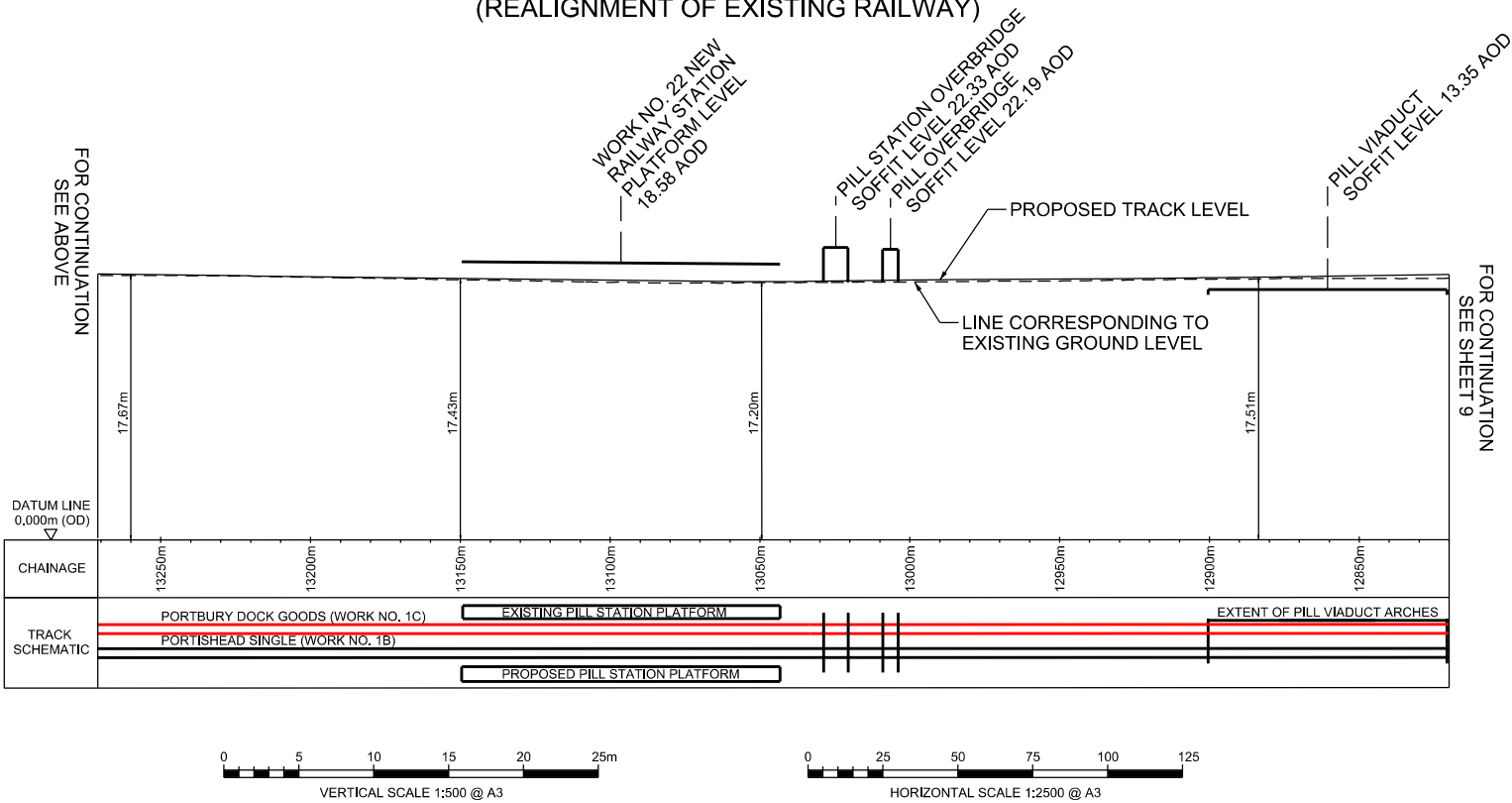
- LIST OF WORKS SHOWN ON THIS DRAWING**
- WORK NO. 1C - REALIGNMENT OF EXISTING RAILWAY
WORK NO. 22 - NEW RAILWAY STATION
WORK NO. 20A - NEW BRIDGE AND ABUTMENTS

- Legend/Notes
1. FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-306).
 2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
 3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.

SECTION WORK NO. 1C
(REALIGNMENT OF EXISTING RAILWAY)



SECTION WORK NO. 1C
(REALIGNMENT OF EXISTING RAILWAY)



A04	05/11/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



Contractor(s)

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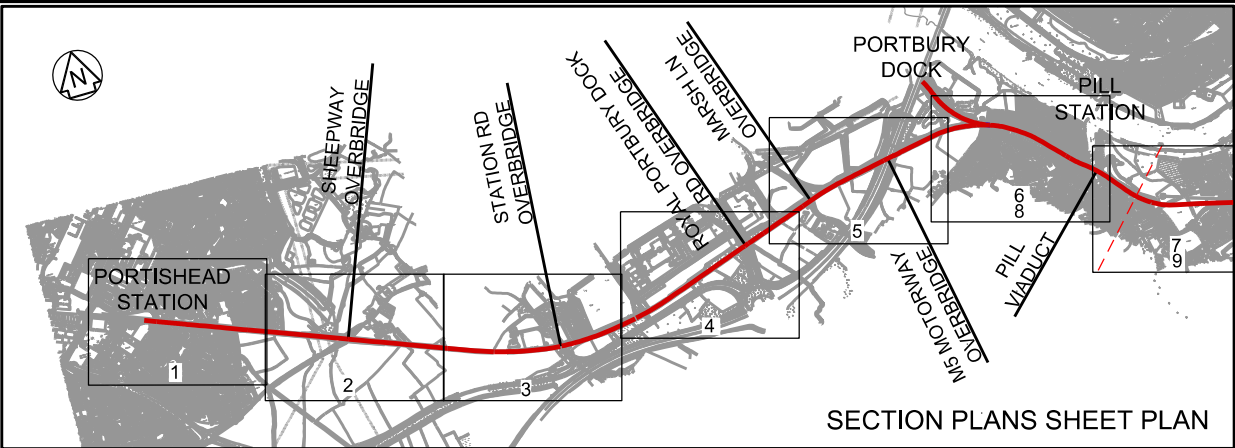
Project

METROWEST PHASE 1

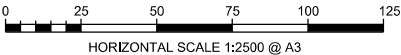
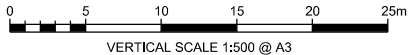
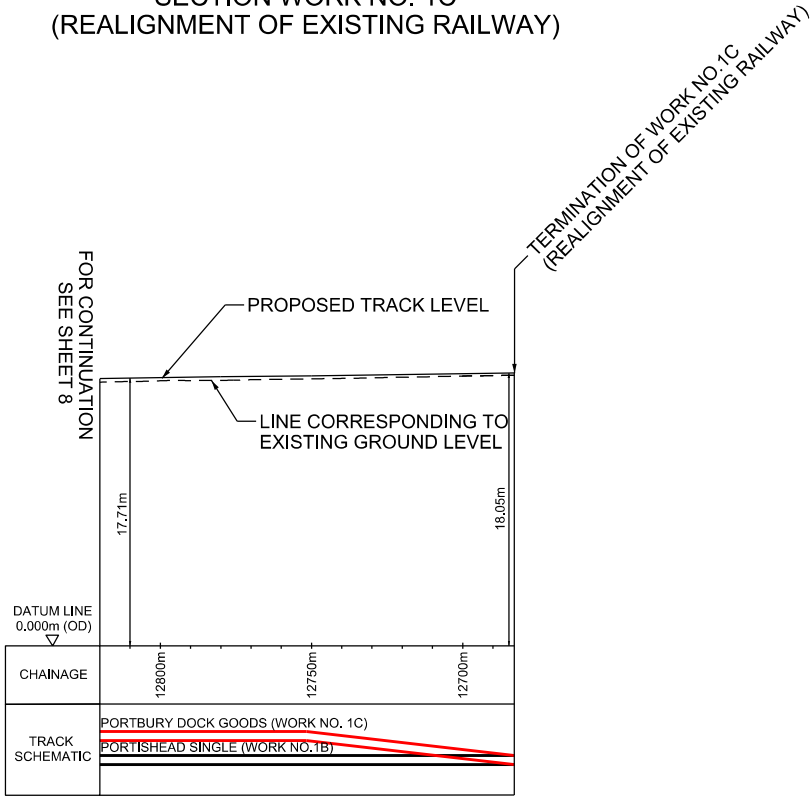
Drawing Title

LONGITUDINAL PROFILE OF RAILWAY ALIGNMENT SECTIONS PLANS - SHEET 8

Designed	J. BACINSKI	Signed		Date	05/11/19
Drawn	J. BACINSKI	Signed		Date	05/11/19
Checked	R. SNELL	Signed		Date	05/11/19
Approved	R. SNELL	Signed		Date	05/11/19
Scale(s)		Route Section	ELR & Mileage		
As Shown			POD 125M 79ch		
Alternative Reference				Sheet	
				8 of 9	
Drawing Number					Revision
W1097B-ARP-DRG-ETR-001308					A04



SECTION WORK NO. 1C
(REALIGNMENT OF EXISTING RAILWAY)



LIST OF WORKS SHOWN ON
THIS DRAWING

WORK NO. 1C - REALIGNMENT OF EXISTING RAILWAY

Legend/Notes

1. FOR CORRESPONDING WORKS PLAN SEE WORKS PLAN SHEET 1 (REF. DRAWING NO. 674946.BQ.42.01-307).
2. FOR NON-SUPERELEVATED TRACK, LOWER SURFACE OF RAIL USED TO INDICATE PROPOSED LEVELS.
3. WHEN THE TRACK HAS SUPERELEVATION (CANT), AN AVERAGE LEVEL IS SHOWN.

A03	23/09/19	FOR DCO APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
FIT FOR INFORMATION					S2



Contractor(s)

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www.arup.com

Project

METROWEST PHASE 1

Drawing Title

LONGITUDINAL PROFILE OF
RAILWAY ALIGNMENT
SECTIONS PLANS - SHEET 9

Designed	J. BACINSKI	Signed	Date	23/09/19
Drawn	J. BACINSKI	Signed	Date	23/09/19
Checked	R. SNELL	Signed	Date	23/09/19
Approved	R. SNELL	Signed	Date	23/09/19
Scale(s)	As Shown	Route Section	ELR & Mileage	POD 125M 68ch
Alternative Reference		Sheet		9 of 9
Drawing Number	W1097B-ARP-DRG-ETR-001309	Revision		A03