



# MetroWest+

## Portishead Branch Line (MetroWest Phase 1)

TR040011

**Applicant: North Somerset District Council**

**2.36 - Cross Section Plans**

**The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, regulation 5(2)(o)  
Planning Act 2008**

**Author: CH2M**

**Revision: Version 2**

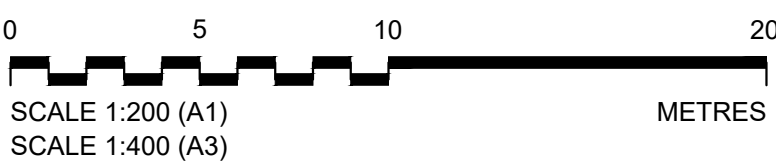
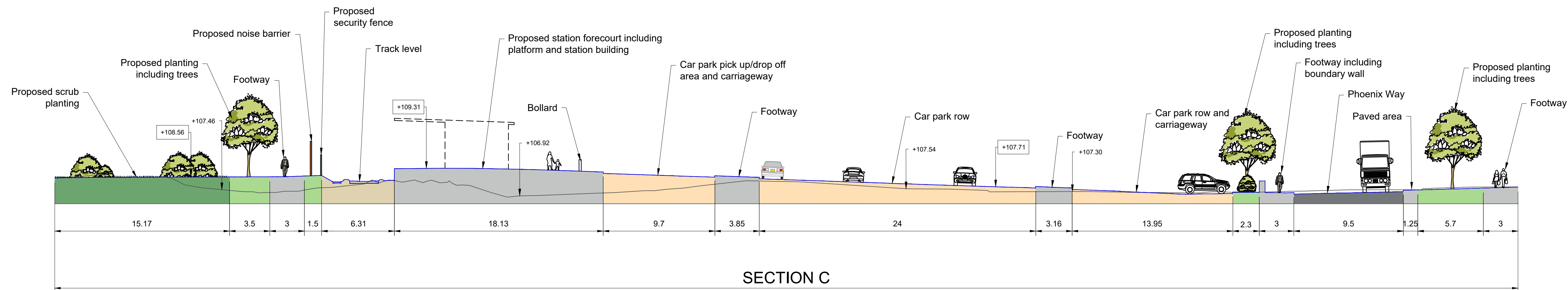
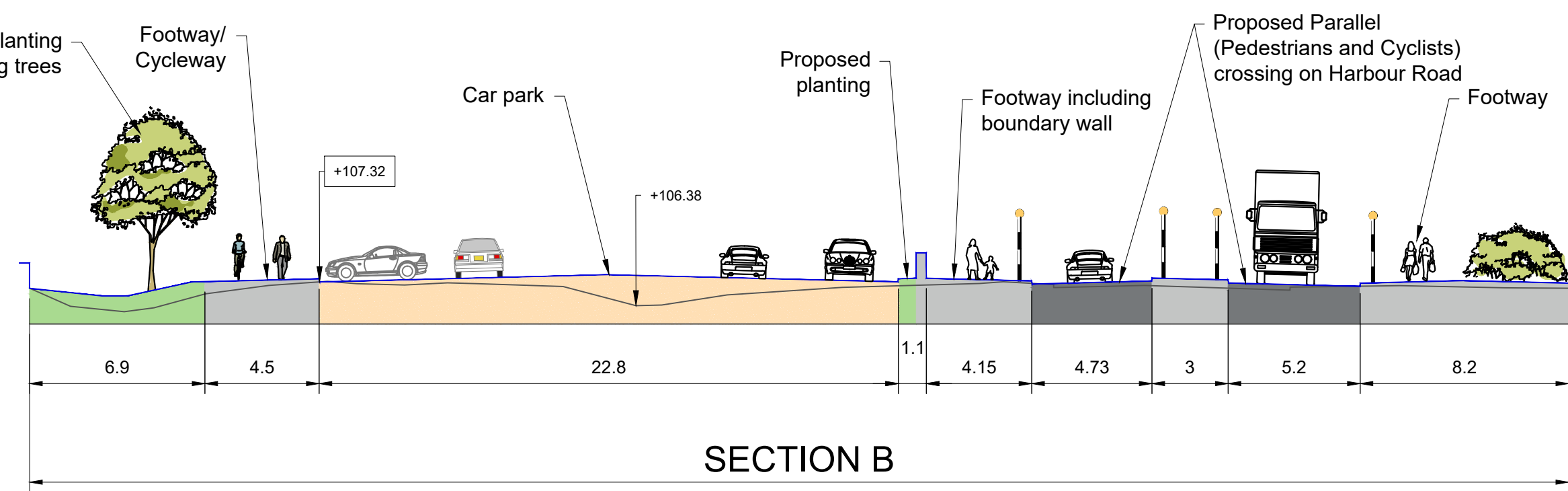
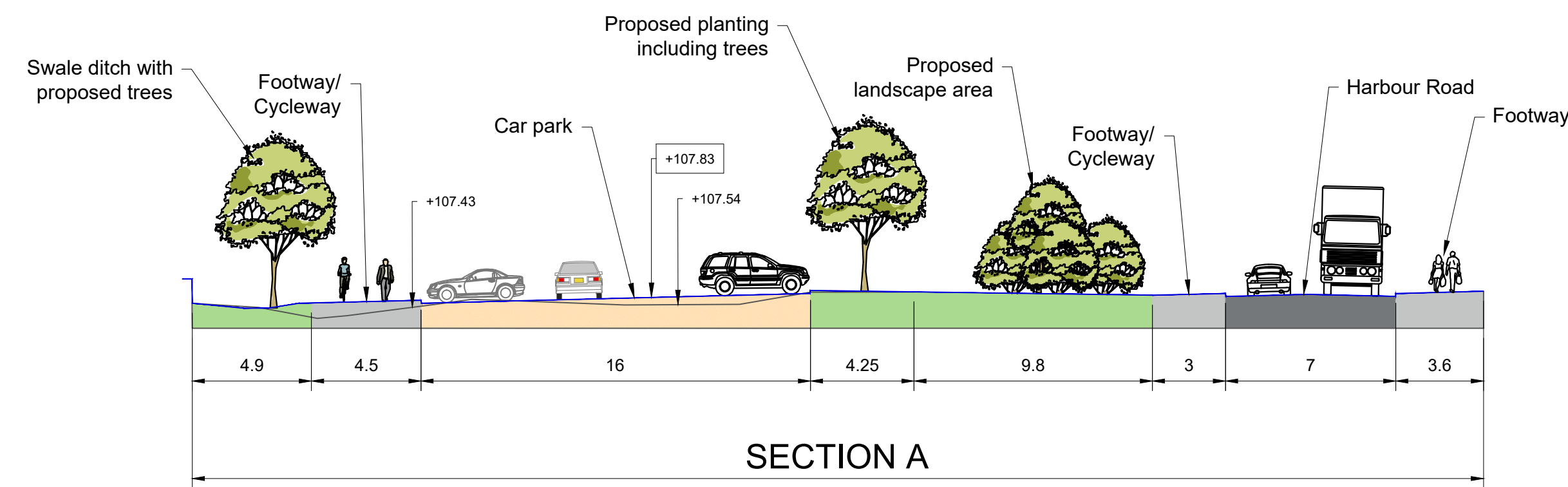
**Date: February 2021**



## Document Index

Version	Date	Status of Version	Document Index	Document Revision	Changes
1	19 November 2019	Application	467470.BQ.04.20-104 Rev B	-	-
			467470.BQ.04.20-219 Rev B	-	-
			467470.BQ.04.20-292 Rev B	-	-
			467470.BQ.04.20-410 Rev B	-	-
			467470.BQ.04.20-531 Rev B	-	-
			467470.BQ.04.20-630 Rev B	-	-
			467470.BQ.04.20-SK300-SK304 Rev H	-	-
			674946.BD.29.01-SK33 Rev A	-	-
			674946.BD.29.01-SK35-SK36 Rev A	-	-
2	16 February 2021		467470.BQ.04.20-104 Rev B	-	-
			467470.BQ.04.20-219 Rev B	-	-
			467470.BQ.04.20-292 Rev B	-	-
			467470.BQ.04.20-410 Rev B	-	-
			467470.BQ.04.20-531 Rev B	-	-
			467470.BQ.04.20-630 Rev B	-	-
			467470.BQ.04.20-SK300-SK304 <b>Rev H</b>	<b>Rev I</b>	Sections AB, BC(1) & BC(2) added to set & minor amendments to AA & CC
			674946.BD.29.01-SK33 Rev A	-	-
			<b>674946.BD.29.01-SK35-SK36 Rev A</b>	-	Removed from set





- NOTES:
- Refer to drawing 467470.BQ.04.20-100 to 102 for section locations

KEY:

+115.34	Proposed Levels
+113.60	Existing Levels

B	OHP	ADL	ADL	10/10/2019	Station building outline and spot levels added
A	OHP	ADL	ADL	31/07/2019	Minor amendments
Rev	By	Chkd	Apprvd	Date	Description

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Project  
**PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)**

Drawing

**PORTISHEAD STATION  
CROSS SECTIONS**

Drawn by: OHP Date: 10/03/2019  
Checked by: ADL Date: 25/03/2019  
Approved by: ADL Date: 25/03/2019

Drawing No. **467470.BQ.04.20-104** Revision **B**

Drawing Scale: 1:200 @ A1 or 1:400 @ A3

Existing vegetation

Proposed planting

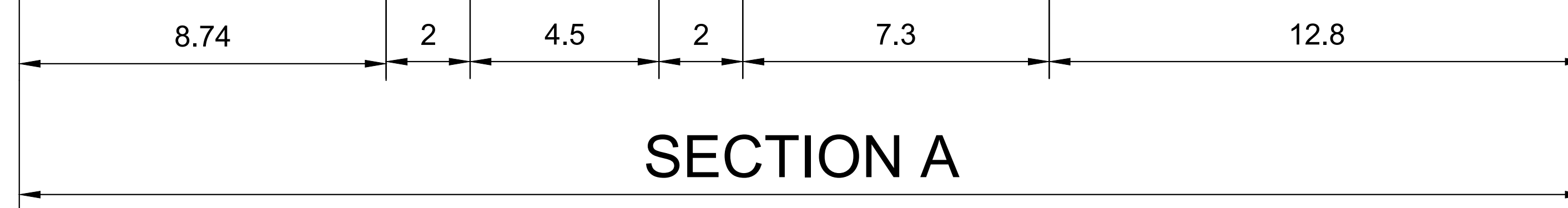
Network Rail and field access track

Proposed planting including trees

Area of field within the limits of deviation

Proposed temporary access track

+126.19



Proposed embankment with woodland planting

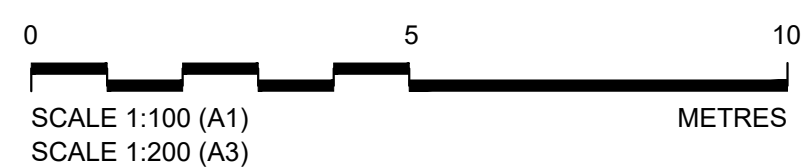
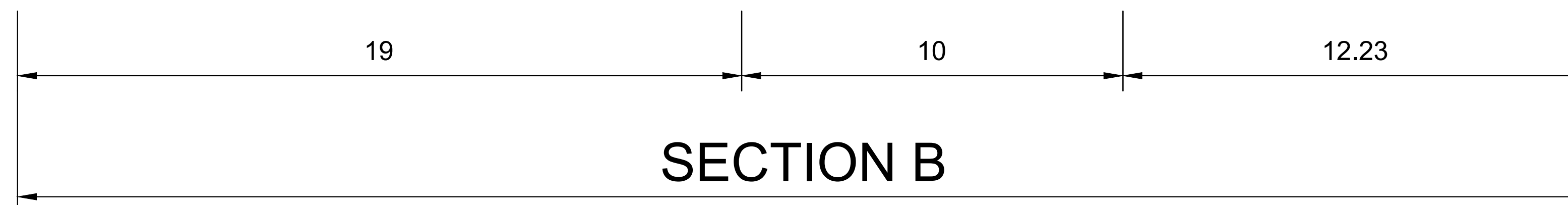
Existing lakeside trees

Network Rail access track

+115.34

+113.60

+111.56



NOTES:

1. Refer to drawing 467470.BQ.04.20-220 to 221 for section locations

KEY:

+115.34	Proposed Levels
+113.60	Existing Levels

B	OHP	ADL	ADL	02/10/2019	Minor amendments
A	OHP	ADL	ADL	31/07/2019	Minor amendments
Rev	By	Chkd	Apprvd	Date	Description

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Project  
PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)

Drawing

PILL TUNNEL EAST  
CROSS SECTIONS

Drawn by: OHP Date: 20/03/2019

Checked by: ADL Date: 25/03/2019

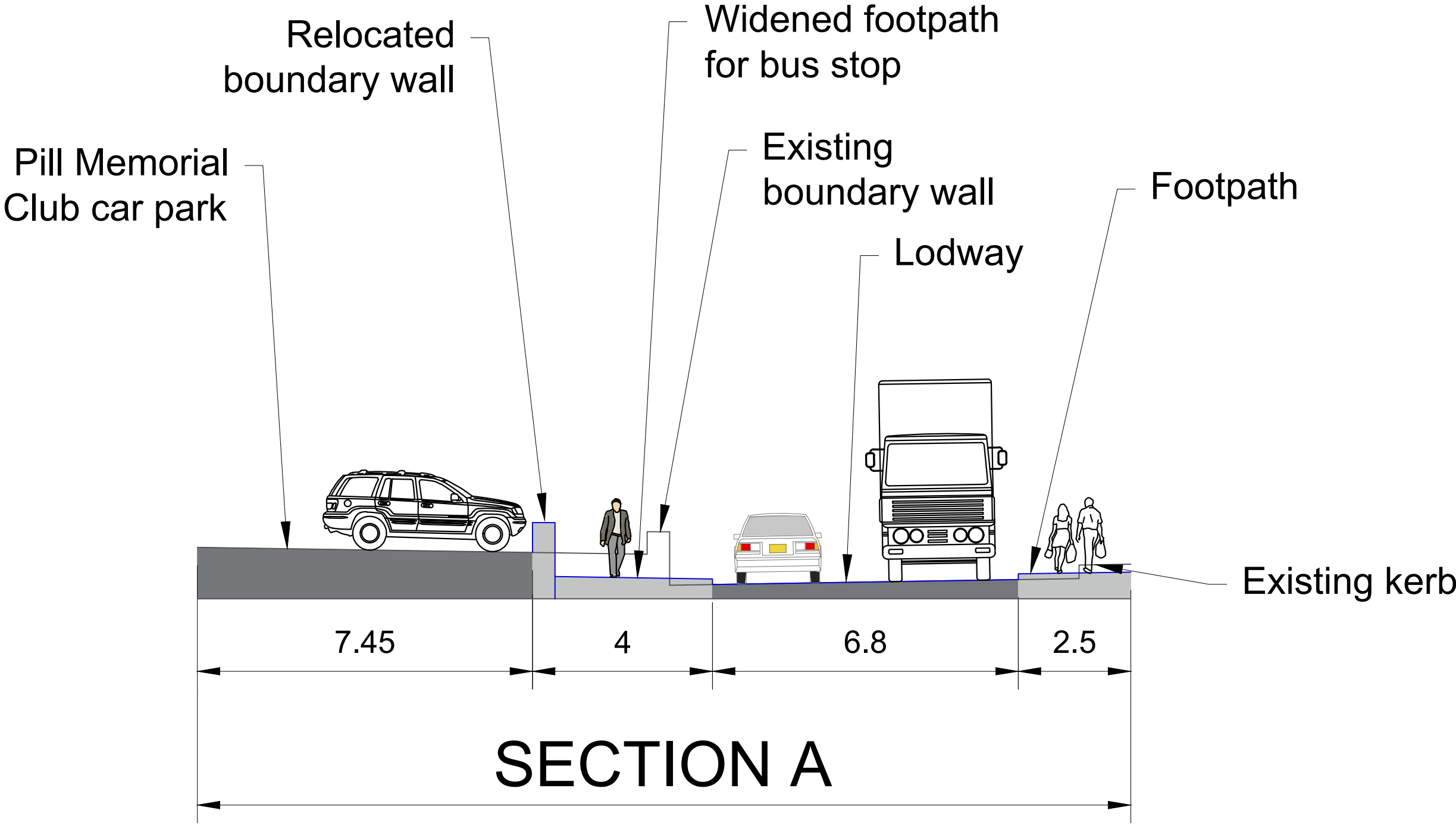
Approved by: ADL Date: 25/03/2019

Drawing No. Revision

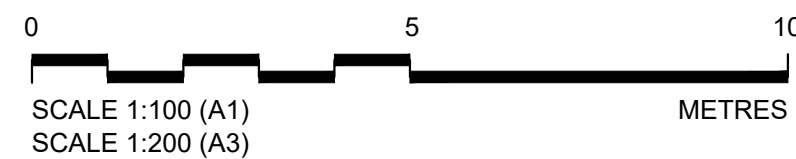
467470.BQ.04.20-219 B

Drawing Scale: 1:100 @ A1 or 1:200 @ A3





- NOTES:
- 1. Refer to drawing 467470.BQ.04.20-290 to 291 for section locations
  - 2. Proposed footway and carriageway to match with existing levels except for localised adjustment at Pill Memorial Club boundary wall



B	OHP	ADL	ADL	10/10/2019	Minor amendments
A	OHP	ADL	ADL	31/07/2019	Minor amendments
Rev	By	Chkd	Apprvd	Date	Description

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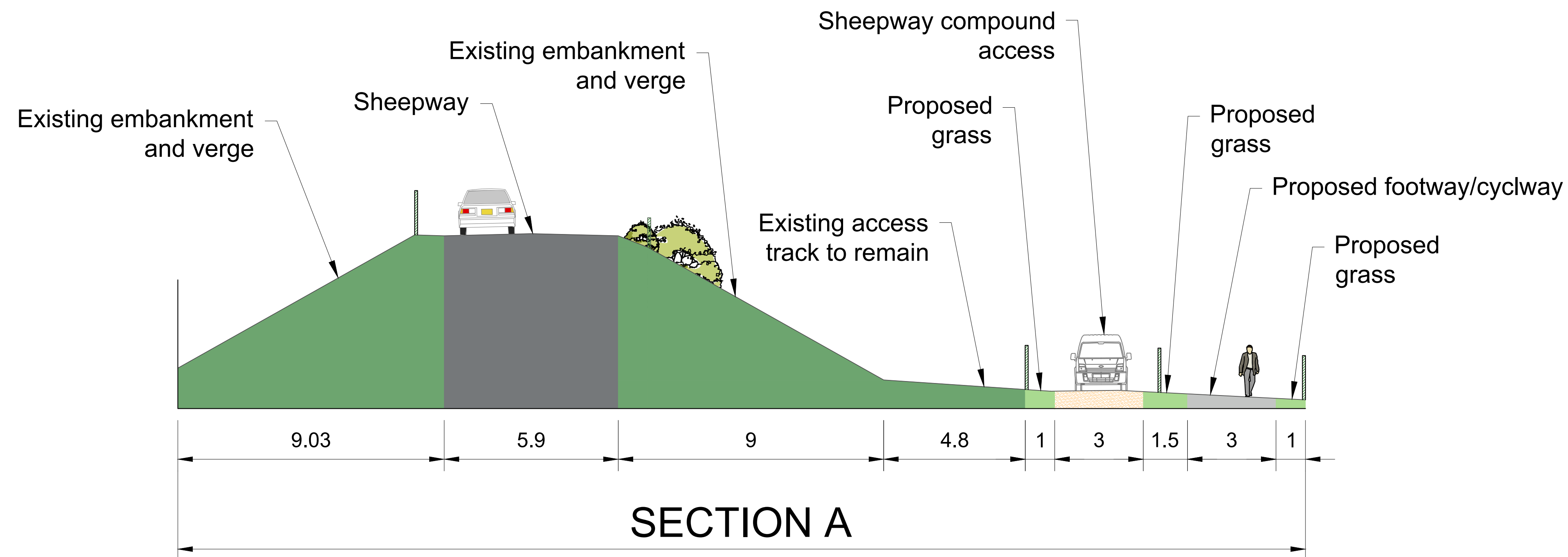


Project  
PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)

Drawing  
PILL MEMORIAL CLUB  
CROSS SECTION

Drawn by: OHP	Date: 25/03/2019
Checked by: ADL	Date: 25/03/2019
Approved by: ADL	Date: 25/03/2019
Drawing No.	Revision
467470.BQ.04.20-292	B

Drawing Scale: 1:100 @ A1 or 1:200 @ A3



- NOTES:
1. Refer to drawing 467470.BQ.04.20-400 to 401 for section locations
  2. Proposed access and footway/cycleway to match with existing levels

B	OHP	ADL	ADL	02/10/2019	Minor amendments
A	OHP	ADL	ADL	31/07/2019	Minor amendments
Rev	By	Chkd	Apprvd	Date	Description

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Project  
PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)

Drawing

SHEEPWAY  
CROSS SECTIONS

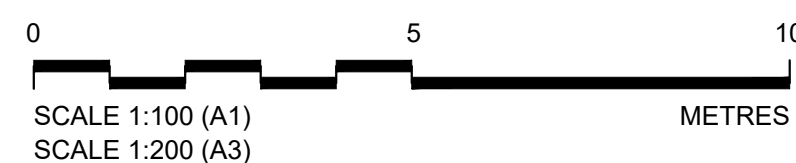
Drawn by: OHP Date: 20/03/2019

Checked by: ADL Date: 25/03/2019

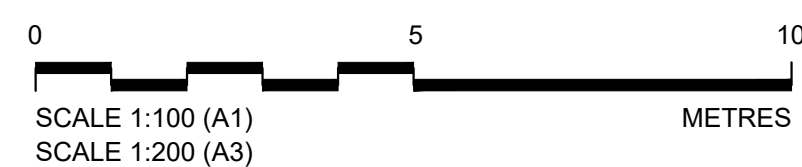
Approved by: ADL Date: 25/03/2019

Drawing No.	Revision
467470.BQ.04.20-410	B

Drawing Scale: 1:100 @ A1 or 1:200 @ A3



1. Refer to drawing 467470.BQ.04.20-530 for section locations
2. Proposed access and footway/cycleway to match with existing levels except for localised adjustment at crossing point



B	CHP	ADL	ADL	02/10/2019	Minor amendments
A	CHP	ADL	ADL	31/07/2019	Minor amendments
Rev	By	Chkd	Apprvd	Date	Description

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Project PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)

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Drawing

## ROYAL PORTBURY DOCK ROAD CROSS SECTIONS

Drawn by: OHP Date: 20/03/2019

Checked by: ADL Date: 25/03/2019

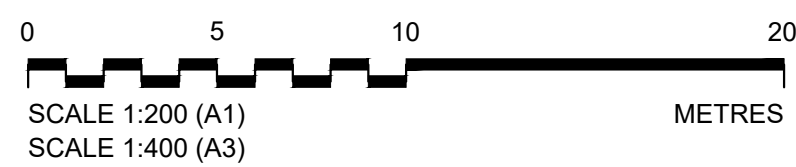
Approved by: ADL Date: 25/03/2019

Drawing No.	Revision
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467470.BQ.04.20-531

B

Drawing Scale: 1:100 @ A1 or 1:200 @ A3

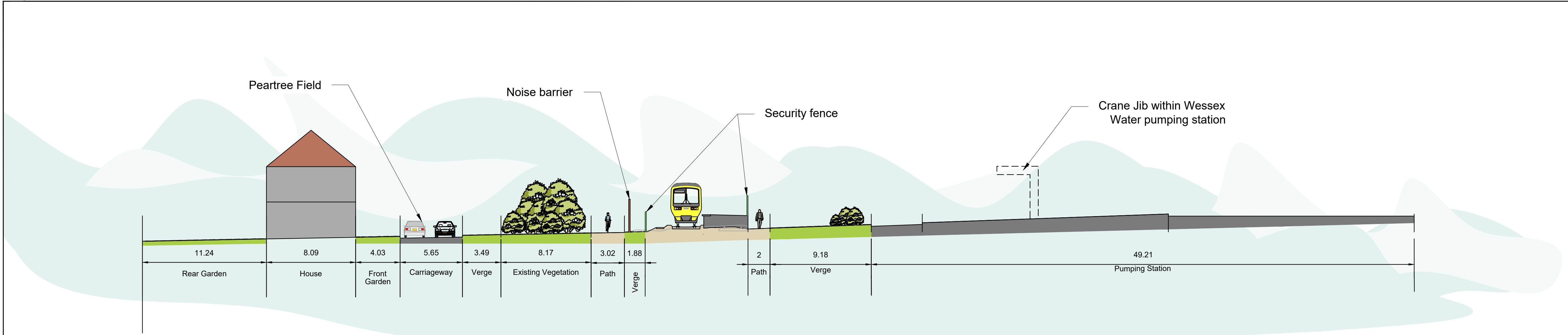


+115.34	Proposed Levels
+113.60	Existing Levels

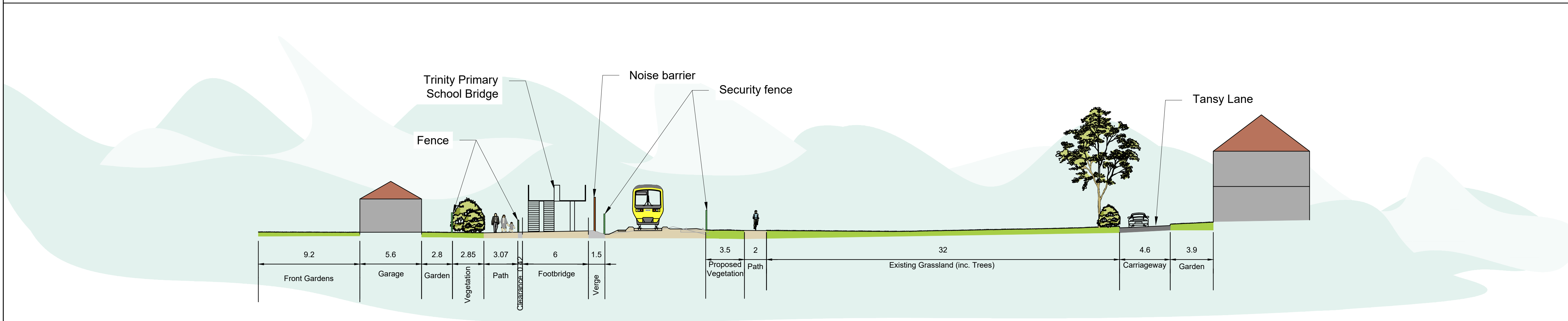
Drawing Scale: 1:200 @ A1 or 1:400 @ A3

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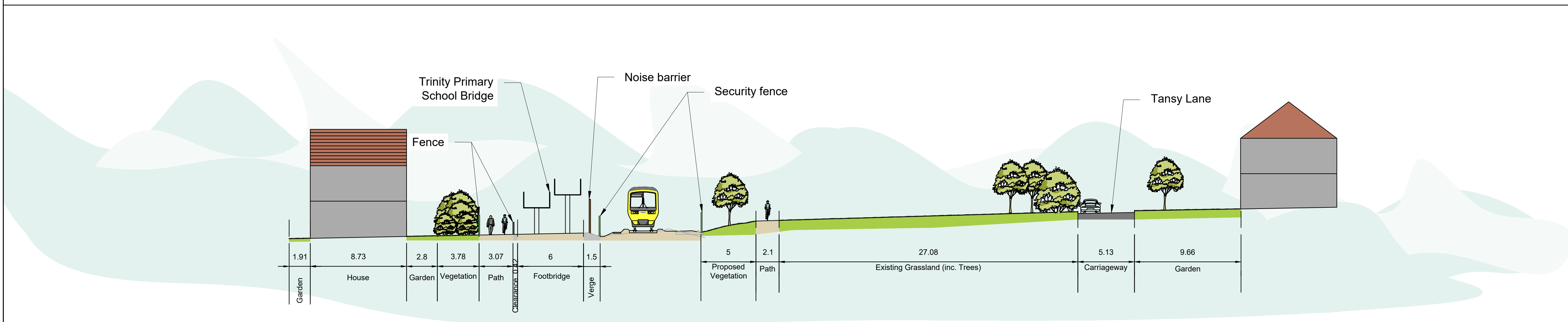




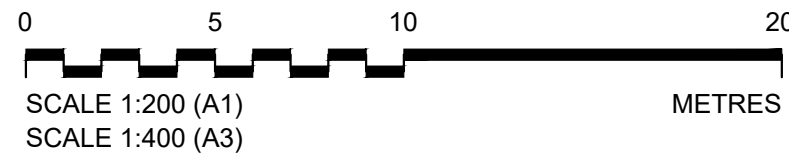
Section AA



Section AB



Section BB



- Notes:**
1. All dimensions are in metres unless noted otherwise.
  2. The levels for the rail corridor are based upon a Topographical Survey dated September 2015.
  3. The levels beyond the Network Rail fence line have been derived from data captured using airborne RADAR technology that provides elevation point data every five metres with a vertical accuracy of +/-60cm - which is then subsequently interpolated. Therefore these levels should be used for contextual information only and are subject to confirmation.
  4. Refer to drawing 467470.BQ.04.20-SK304 for section locations.
  5. For further detail regarding Trinity School Footbridge refer to DCO Document '2.15 to 2.17 Trinity Footbridge Plans'.

Rev	By	Chkd	Apprvd	Date	Description
I	OHP	ADL	ADL	08/02/2017	Sections AB, BC(1) & BC(2) added to set & minor amendments to AA & CC
H	OHP	ADL	ADL	31/10/2019	Note amendments
G	OHP	ADL	ADL	02/10/2019	Note amendments
F	OHP	ADL	ADL	31/07/2019	Further location detail added to sections
E	OHP	ADL	ADL	29/03/2019	Minor amendments
D	OHP	ADL	ADL	07/01/2019	Minor amendments
C	OHP	ADL	ADL	27/06/2018	Minor amendments
B	OHP	ADL	ADL	10/04/2018	Minor amendments
A	OHP	ADL	ADL	04/04/2018	Block of Rail Class 166 Turbo added to each section

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Project  
**PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)**

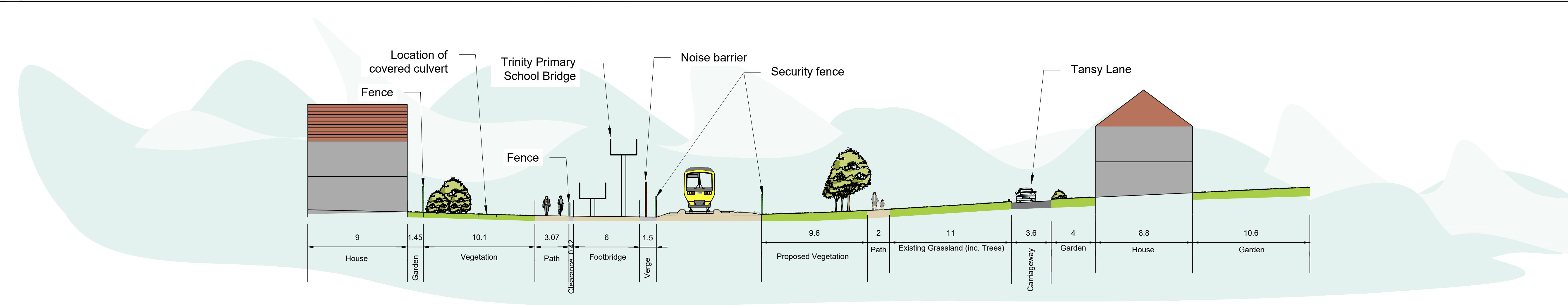
Drawing  
**TYPICAL SECTIONS**  
**SHEET 1 OF 4**

Drawn by: OHP	Date: 13/03/2018
Checked by: ADL	Date: 27/03/2018
Approved by: ADL	Date: 27/03/2018

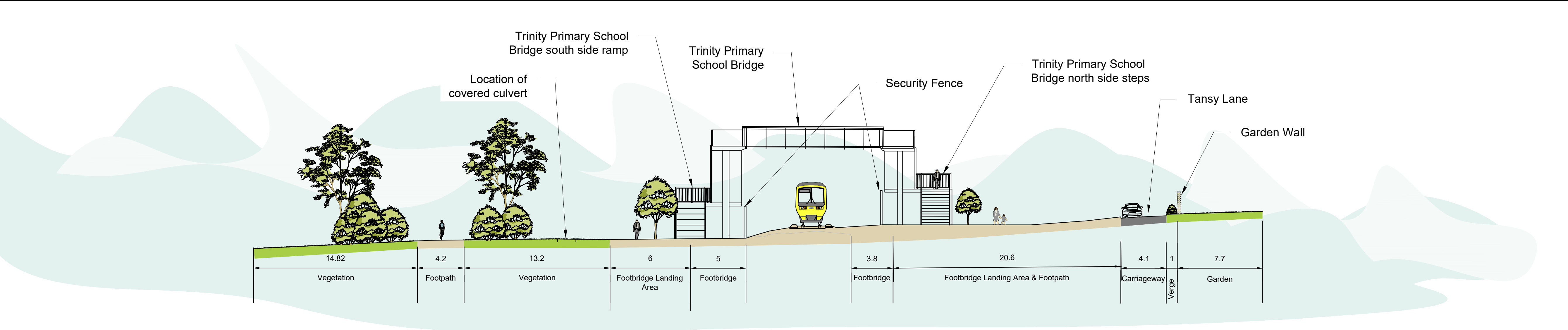
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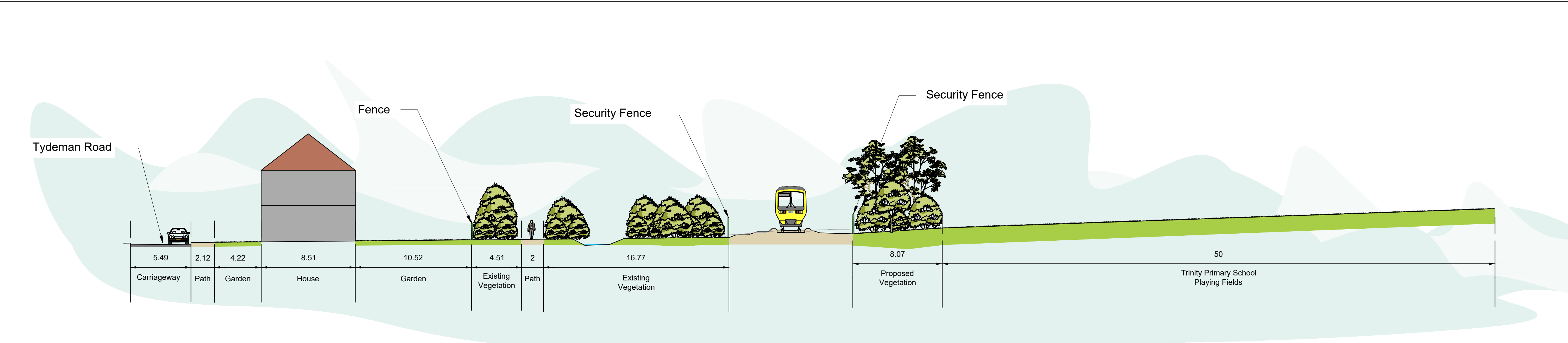
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Section BC(1)



Section BC(2)



Section CC

- Notes:
1. All dimensions are in metres unless noted otherwise.
  2. The levels for the rail corridor are based upon a Topographical Survey dated September 2015.
  3. The levels beyond the Network Rail fence line have been derived from data captured using airborne RADAR technology that provides elevation point data every five metres with a vertical accuracy of +/-60cm - which is then subsequently interpolated. Therefore these levels should be used for contextual information only and are subject to confirmation.
  4. Refer to drawing 467470.BQ.04.20-SK304 for section locations.
  5. For further detail regarding Trinity School Footbridge refer to DCO Document '2.15 to 2.17 Trinity Footbridge Plans'.

Rev	By	Chkd	Apprvd	Date	Description
I	OHP	ADL	ADL	08/02/2017	Sections AB, BC(1) & BC(2) added to set & minor amendments to AA & CC
H	OHP	ADL	ADL	31/10/2019	Note amendments
G	OHP	ADL	ADL	02/10/2019	Note amendments
F	OHP	ADL	ADL	31/07/2019	Further location detail added to sections
E	OHP	ADL	ADL	29/03/2019	Minor amendments
D	OHP	ADL	ADL	07/01/2019	Minor amendments
C	OHP	ADL	ADL	27/06/2018	Minor amendments
B	OHP	ADL	ADL	10/04/2018	Minor amendments
A	OHP	ADL	ADL	04/04/2018	Block of Rail Class 166 Turbo added to each section

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Project  
**PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)**

Drawing  
**TYPICAL SECTIONS  
SHEET 2 OF 4**

Drawn by: OHP Date: 13/03/2018  
Checked by: ADL Date: 27/03/2018  
Approved by: ADL Date: 27/03/2018

Drawing No.  
**467470.BQ.04.20-SK301**

Revision  
**I**

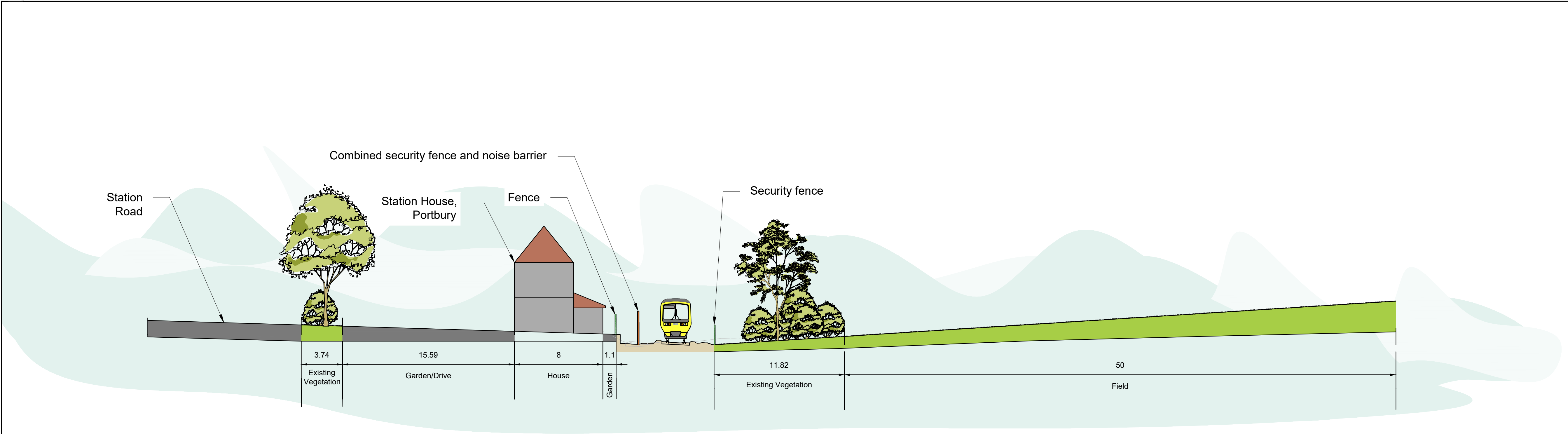
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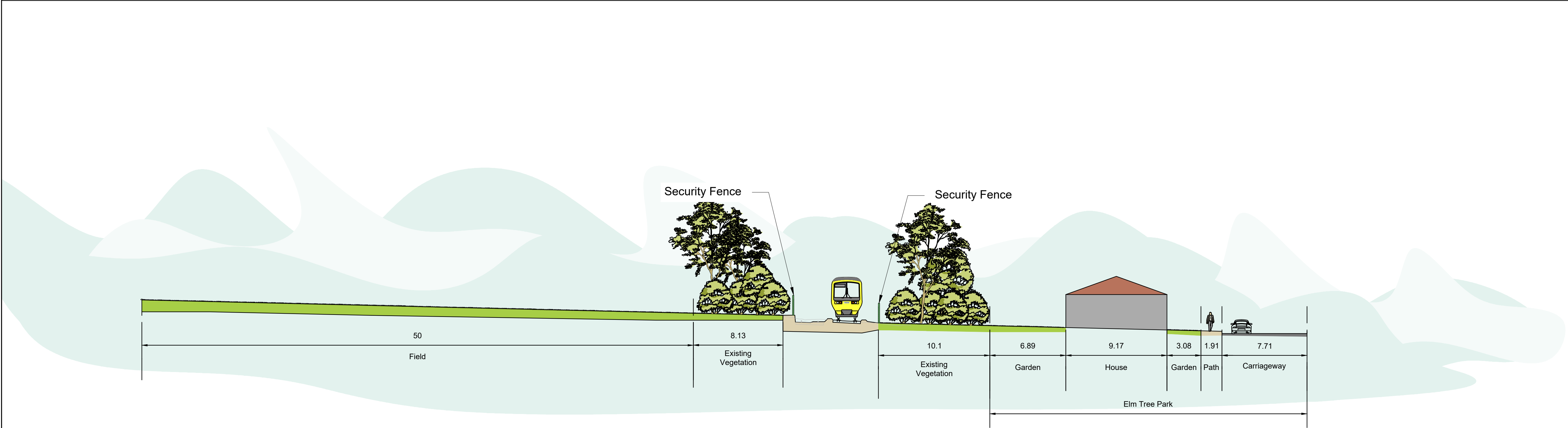


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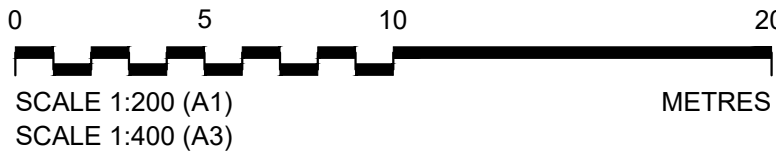




Section FF



Section GG



- Notes:
- All dimensions are in metres unless noted otherwise.
  - The levels for the rail corridor are based upon a Topographical Survey dated September 2015.
  - The levels beyond the Network Rail fence line have been derived from data captured using airborne RADAR technology that provides elevation point data every five metres with a vertical accuracy of +/-60cm - which is then subsequently interpolated. Therefore these levels should be used for contextual information only and are subject to confirmation.
  - Refer to drawing 467470.BQ.04.20-SK304 for section locations.
  - For further detail regarding Trinity School Footbridge refer to DCO Document '2.15 to 2.17 Trinity Footbridge Plans'.

I	OHP	ADL	ADL	08/02/2021	Sections AB, BC(1) & BC(2) added to set & minor amendments to AA & CC
H	OHP	ADL	ADL	31/10/2019	Note amendments
G	OHP	ADL	ADL	02/10/2019	Note amendments
F	OHP	ADL	ADL	31/07/2019	Further location detail added to sections
E	OHP	ADL	ADL	29/03/2019	Minor amendments
D	OHP	ADL	ADL	07/01/2019	Minor amendments
C	OHP	ADL	ADL	27/06/2018	Minor amendments
B	OHP	ADL	ADL	10/04/2018	Minor amendments
A	OHP	ADL	ADL	04/04/2018	Block of Rail Class 166 Turbo added to each section
Rev	By	Chkd	Apprvd	Date	Description

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Project  
**PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)**

Drawing  
**TYPICAL SECTIONS**  
**SHEET 4 OF 4**

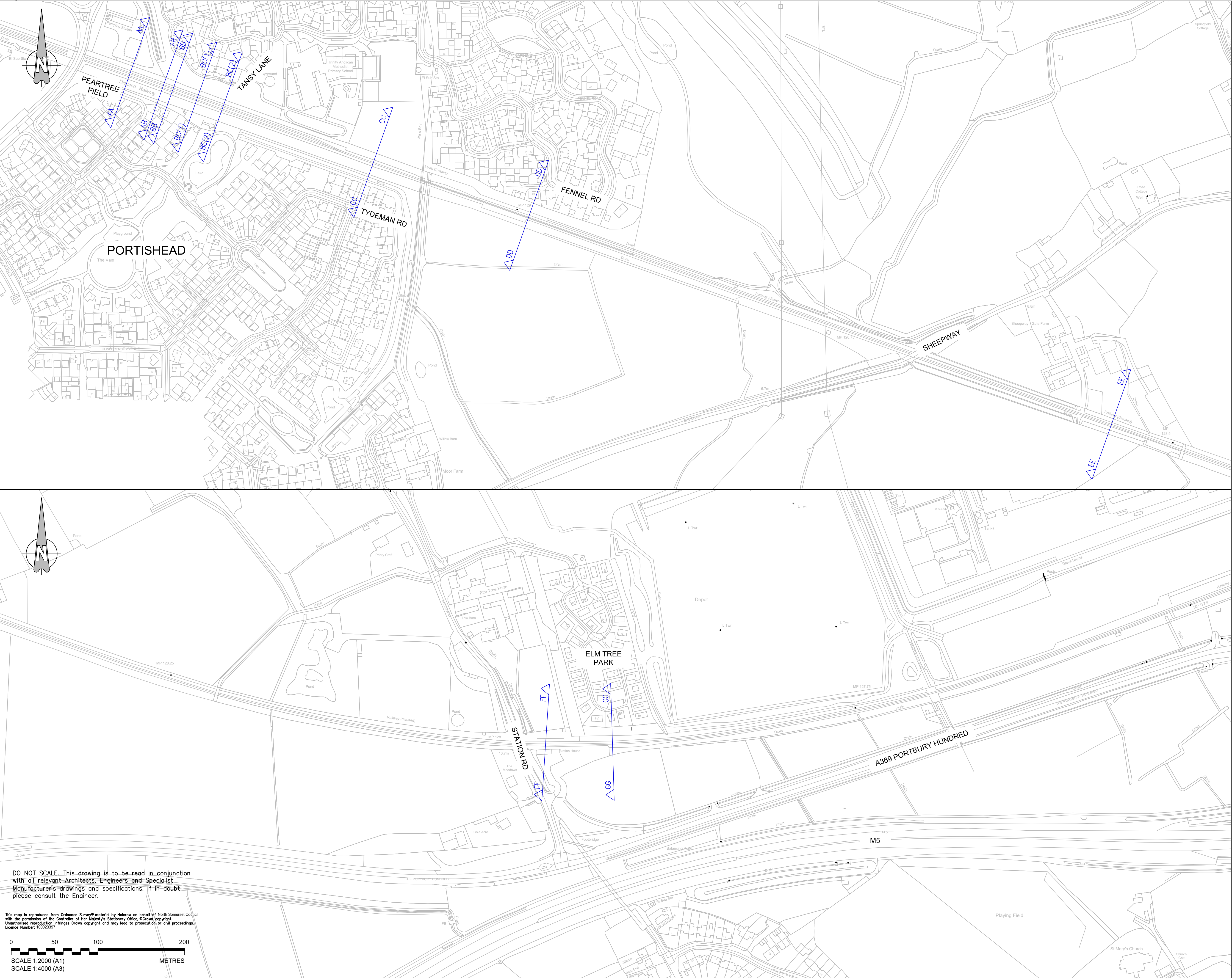
Drawn by: OHP	Date: 13/03/2018
Checked by: ADL	Date: 27/03/2018
Approved by: ADL	Date: 27/03/2018

Drawing No.	Revision
<b>467470.BQ.04.20-SK303</b>	<b>I</b>

Drawing Scale: 1:200 @ A1 or 1:400 @ A3

Drawn: 13/03/2018  
Checked: 27/03/2018  
Approved: 27/03/2018  
Drawing No. 467470.BQ.04.20-SK303  
Revision I  
Drawing Scale: 1:200 @ A1 or 1:400 @ A3  
Filename: 467470.BQ.04.20-SK303.dwg  
Author: ADL  
Date: 13/03/2018  
Project: PORTISHEAD BRANCH LINE (METROWEST PHASE 1)





- Notes:**
- All dimensions are in metres unless noted otherwise.
  - The levels for the rail corridor are based upon a Topographical Survey dated September 2015.
  - The levels beyond the Network Rail fence line have been derived from data captured using airborne RADAR technology that provides elevation point data every five metres with a vertical accuracy of +/-60cm - which is then subsequently interpolated. Therefore these levels should be used for contextual information only and are subject to confirmation.
  - For further detail regarding Trinity School Footbridge refer to DCO Document '2.15 to 2.17 Trinity Footbridge Plans'.

I	OHP	ADL	ADL	06/02/2017	Sections AB, BC(1) & BC(2) added to set & minor amendments to AA & CC
H	OHP	ADL	ADL	31/10/2019	Note amendments
G	OHP	ADL	ADL	02/10/2019	Note amendments
F	OHP	ADL	ADL	31/07/2019	Further location detail added to sections
E	OHP	ADL	ADL	29/03/2019	Minor amendments
D	OHP	ADL	ADL	07/01/2019	Minor amendments
C	OHP	ADL	ADL	27/06/2016	Minor amendments
B	OHP	ADL	ADL	10/04/2016	Minor amendments
A	OHP	ADL	ADL	04/04/2016	Block of Rail Class 166 Turbo added to each section
Rev	By	Chkd	Apprvd	Date	Description

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Project

**PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)**

Drawing

**TYPICAL SECTIONS  
LOCATION PLAN**

Drawn by: OHP	Date: 04/04/2018
Checked by: ADL	Date: 04/04/2018
Approved by: ADL	Date: 04/04/2018

Drawing No.	Revision
<b>467470.BQ.04.20-SK304</b>	<b>I</b>

Drawing Scale: 1:2000 @ A1 or 1:4000 @ A3

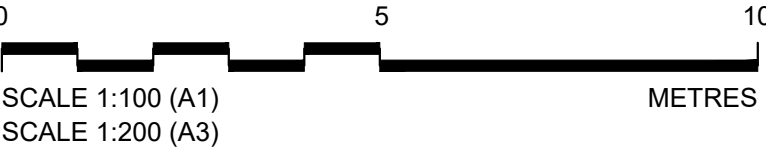
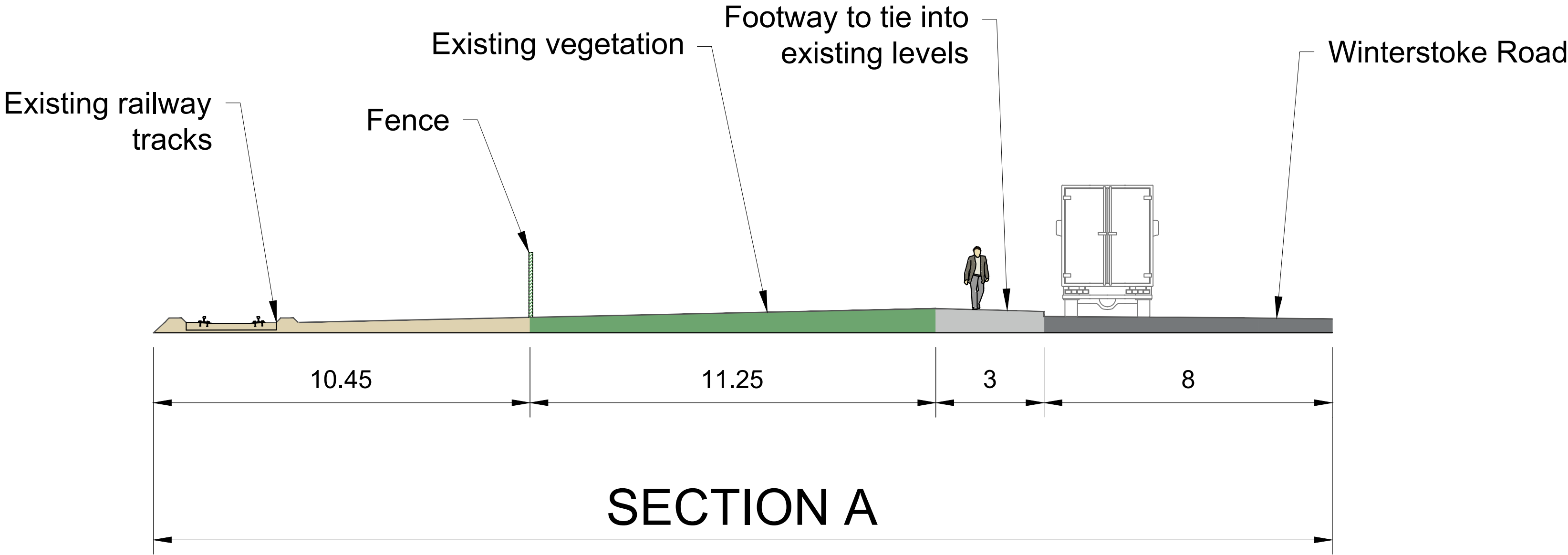
DO NOT SCALE. This drawing is to be read in conjunction with all relevant Architects, Engineers and Specialist Manufacturer's drawings and specifications. If in doubt please consult the Engineer.

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0 50 100 200  
SCALE 1:2000 (A1)  
SCALE 1:4000 (A3) METRES

Drawn: J. Smith & revised: J. Smith / Project: Portishead Branch Line / Drawing: 467470.BQ.04.20-SK304 / Phase: 1 / Highway: Environment / Date: 04/04/2018 / Rev: 1 / Drawn: J. Smith





- NOTES:
1. Refer to drawing 674946.BD.29.01-SK31 for section locations

A	OHP	ADL	ADL	10/10/2019	Minor amendments
Rev	By	Chkd	Apprvd	Date	Description



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Project  
**PORTISHEAD BRANCH LINE  
(METROWEST PHASE 1)**

Drawing

**WINTERSTOKE ROAD  
CROSS SECTION**

Drawn by: OHP Date: 20/03/2019

Checked by: ADL Date: 25/03/2019

Approved by: ADL Date: 25/03/2019

Drawing No.	Revision
674946.BD.29.01-SK33	A

Drawing Scale: 1:100 @ A1 or 1:200 @ A3