



MetroWest+

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

2.10 - Railway Landscape Plans (Disused Line)

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

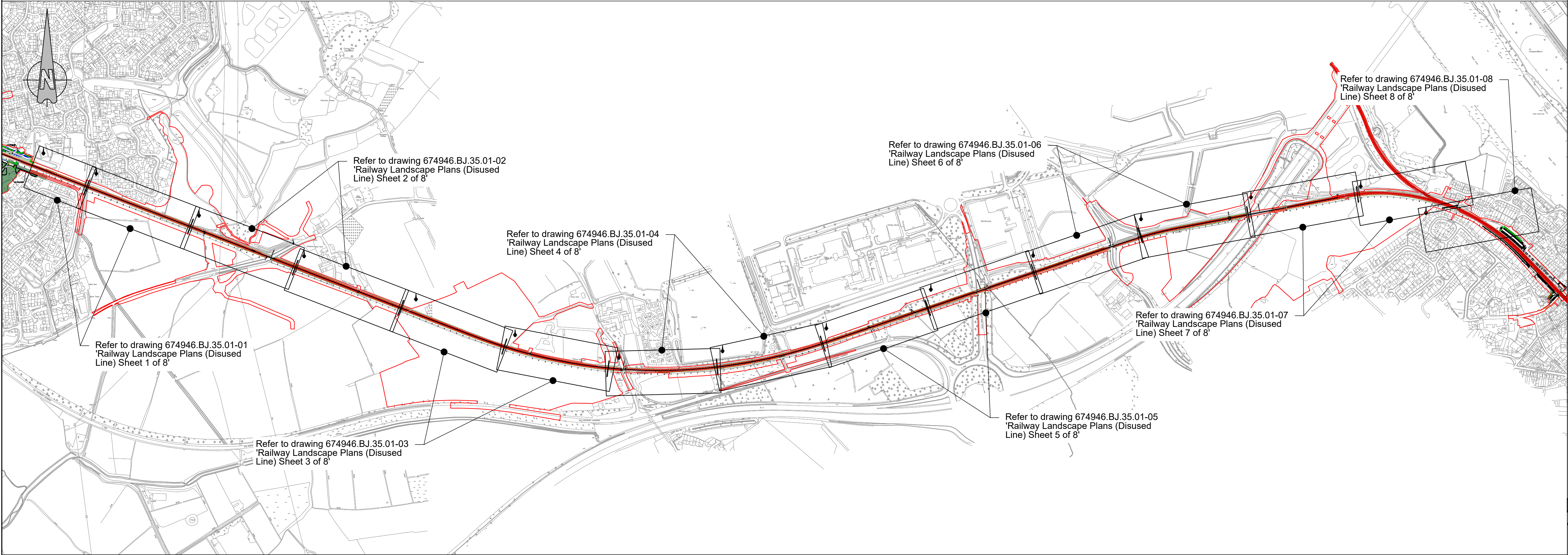
Author: CH2M

Date: November 2019



Document Index

2.10	Railway Landscape Plans (Disused Line)	The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, regulation 5(2)(o)	674946.BJ.35.01-00 to 08 Rev H
------	--	---	--------------------------------



Rev	By	Chkd	Appvd	Date	Description
-----	----	------	-------	------	-------------

travelwest
Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

ch2m

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

Drawing
**RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
KEY PLAN**

Drawn by: OHP Date: 01/10/2019

Checked by: ADL Date: 01/10/2019

Approved by: ADL Date: 01/10/2019

Drawing No.	Revision
674946.BJ.35.01-00	0

Drawing Scale: NTS



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS

H	CHP	ADL	ADL	24/10/2018	Landscape Plans Updated
G	CHP	ADL	ADL	30/09/2018	Landscape Plans Updated
F	KW	AL	ADL	10/09/2018	Landscape Plans Updated
E	KW	AL	ADL	28/04/2018	Landscape Plans Updated
D	ADS	AL	ADL	15/11/2018	Landscape Plans Updated (Original Only)
C	CHP	CW	ADL	15/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/09/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Appr'd	Date	Description

travelwest
Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

ch2m

Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 1 OF 8

Drawn by: FG Date: 26/02/2018
Checked by: KW Date: 26/02/2018
Approved by: ADL Date: 26/02/2018

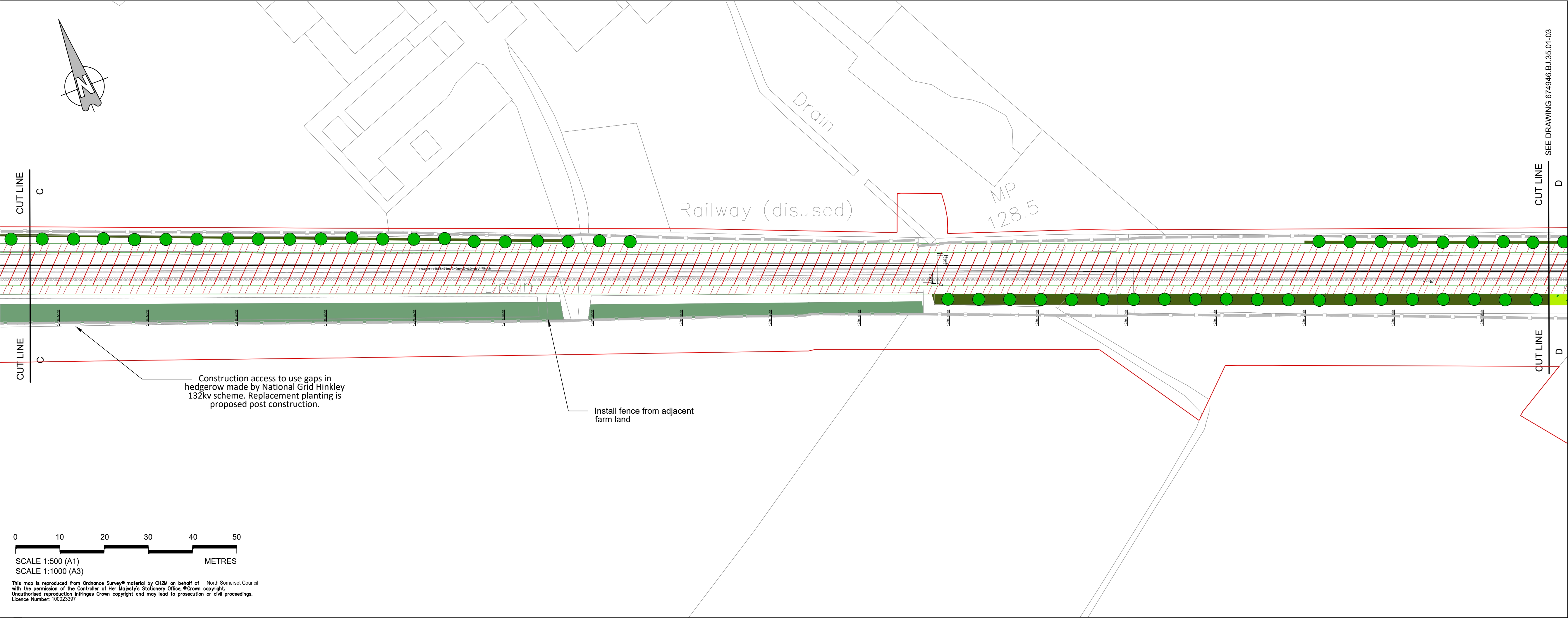
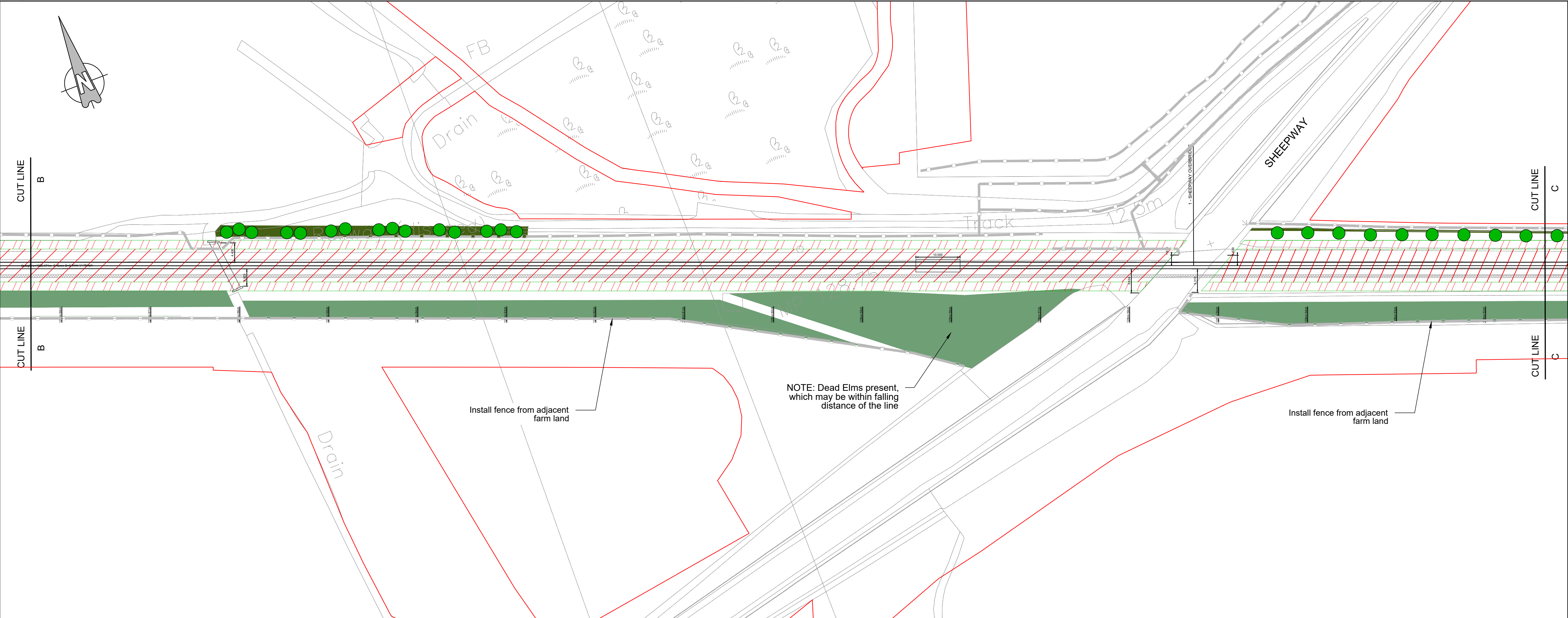
Drawing No. 674946.BJ.35.01-01
Revision H

Drawing Scale: 1:500 @ A1

0 10 20 30 40 50
SCALE 1:500 (A1)
SCALE 1:1000 (A3)
METRES

This map is reproduced from Ordnance Survey® material by CH2M on behalf of North Somerset Council with the permission of the Controller of Her Majesty's Stationery Office. © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence Number: 10022357

Drawing file path & name: U:\Projects\674946 NSC - 2016 Bristol Framework\674946.BJ.35.01 MW Ph1 Landscape and Ar\690 AutoCAD\674946.BJ.35.01-01 Rev H.dwg



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS

H	OHP	ADL	ADL	24/10/2018	Landscape Plans Updated
G	OHP	ADL	ADL	30/09/2018	Landscape Plans Updated
F	KW	AL	ADL	10/09/2018	Landscape Plans Updated
E	KW	AL	ADL	28/04/2018	Landscape Plans Updated
D	ADS	AL	ADL	15/11/2018	Landscape Plans Updated
C	OHP	CW	ADL	15/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/08/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Apprvd	Date	Description

travelwest
Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

ch2m

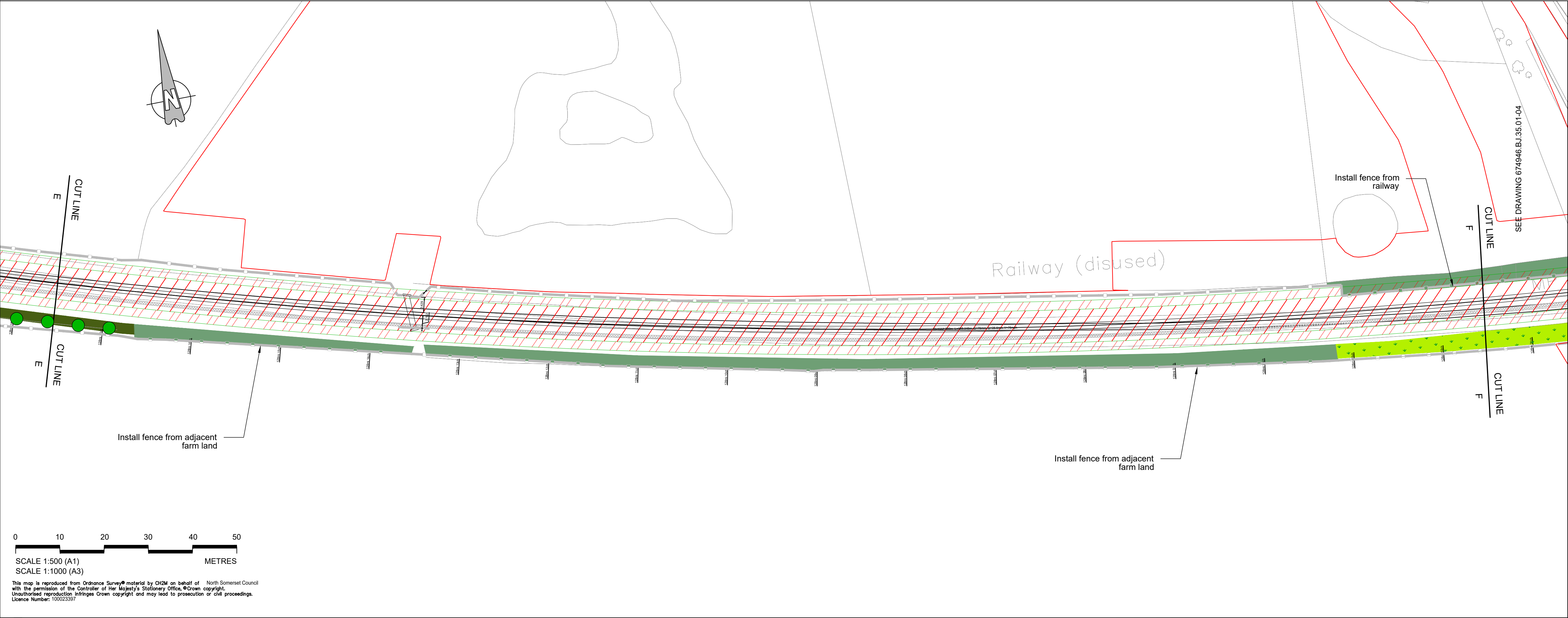
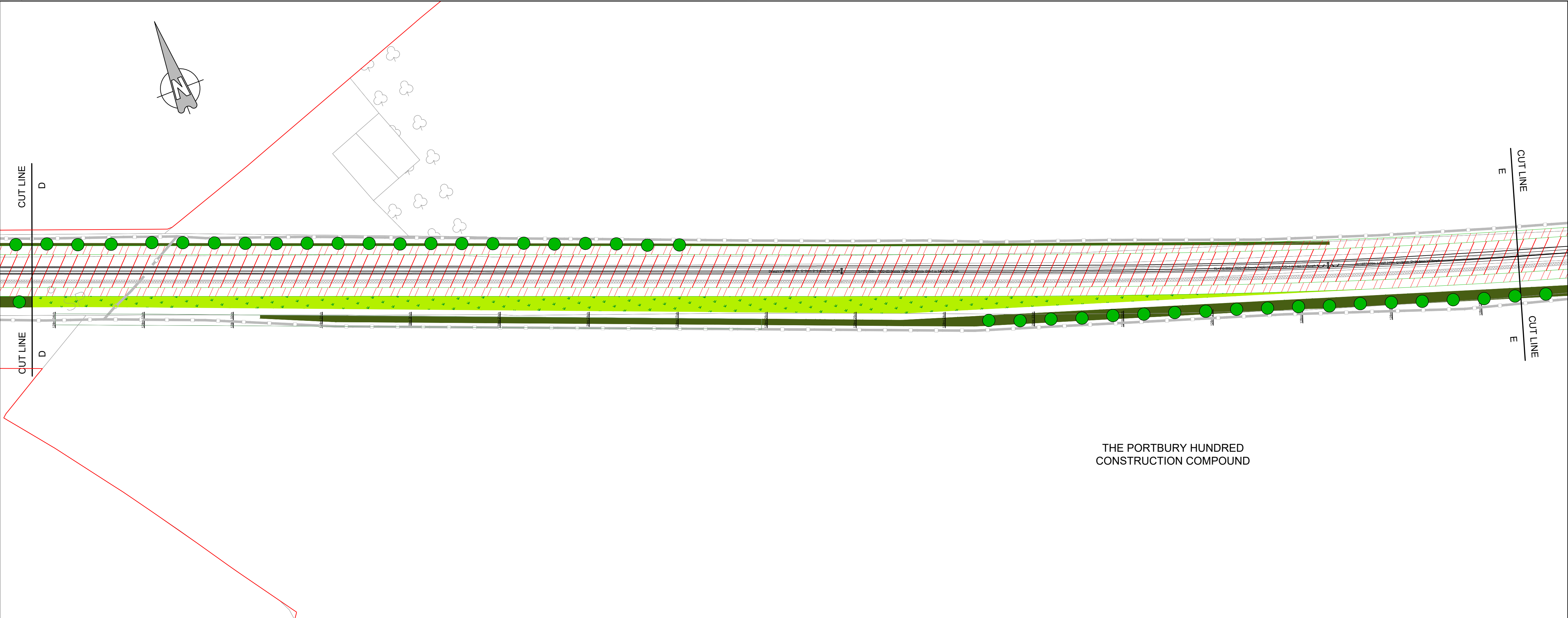
Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 2 OF 8

Drawn by: FG Date: 26/02/2018
Checked by: KW Date: 26/02/2018
Approved by: ADL Date: 26/02/2018

Drawing No. 674946.BJ.35.01-02 Revision H

Drawing Scale: 1:500 @ A1



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS

H	OHP	ADL	ADL	24/10/2018	Landscape Plans Updated
G	OHP	ADL	ADL	30/09/2018	Landscape Plans Updated
F	KW	AL	ADL	10/09/2018	Landscape Plans Updated
E	KW	AL	ADL	28/04/2018	Landscape Plans Updated
D	ADS	AL	ADL	15/11/2018	Landscape Plans Updated (Dry 28 Day)
C	OHP	CW	ADL	15/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/09/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Apprvd	Date	Description

travelwest
Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

ch2m

Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 3 OF 8

Drawn by: FG Date: 26/02/2018
Checked by: KW Date: 26/02/2018
Approved by: ADL Date: 26/02/2018

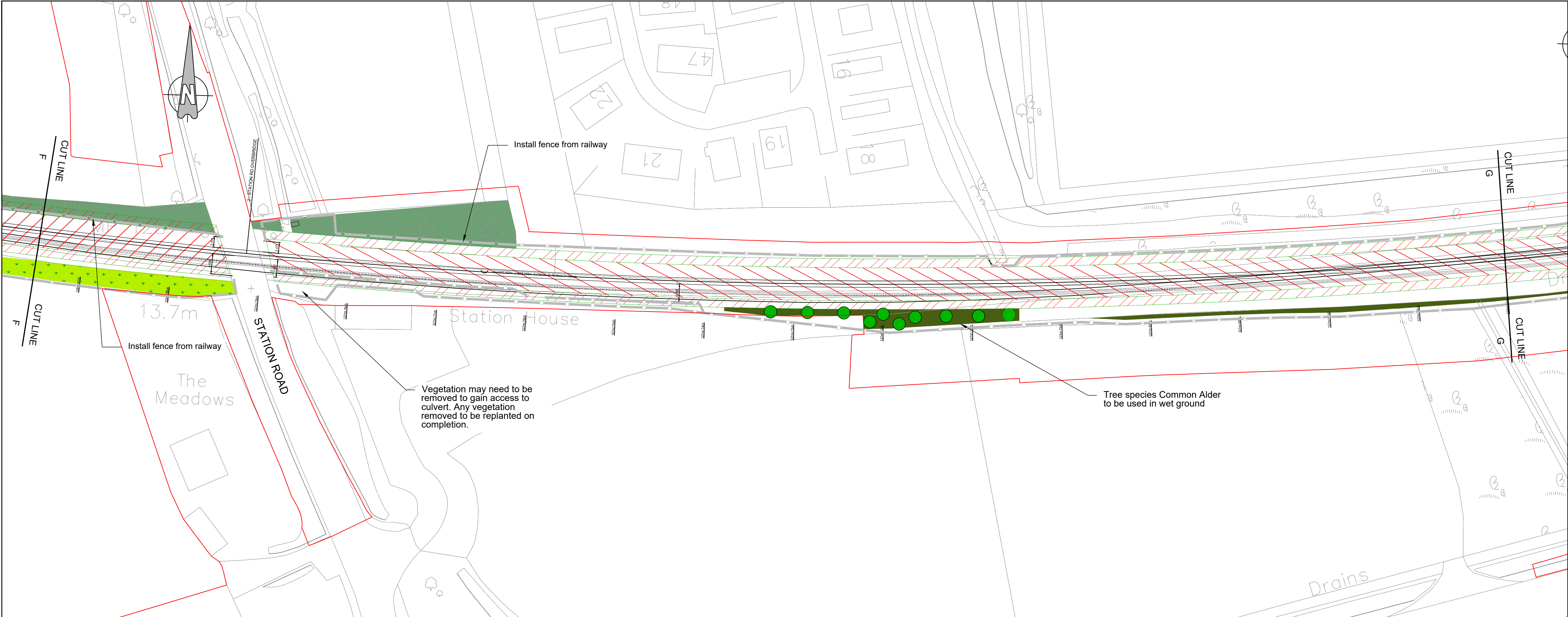
Drawing No. 674946.BJ.35.01-03
Revision H

Drawing Scale: 1:500 @ A1

0 10 20 30 40 50
SCALE 1:500 (A1)
SCALE 1:1000 (A3)
METRES

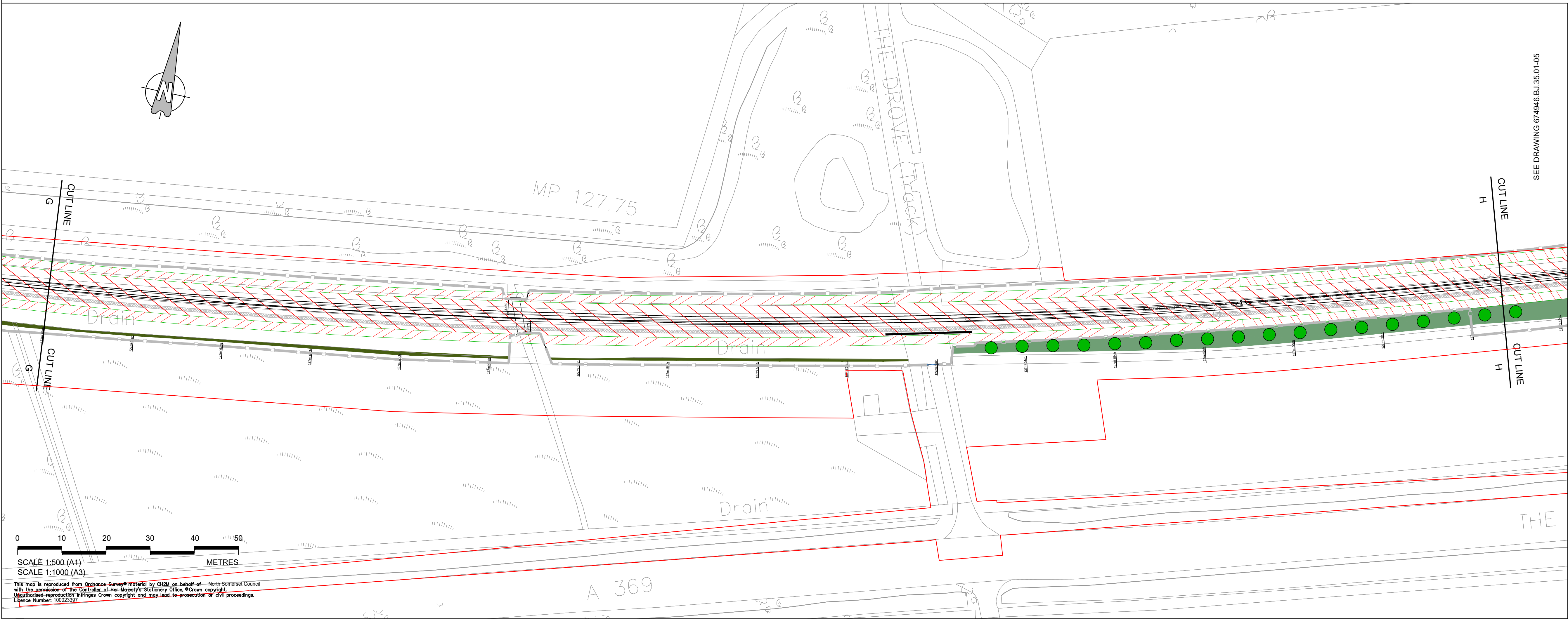
This map is reproduced from Ordnance Survey material by CH2M on behalf of North Somerset Council with the permission of the Controller of Her Majesty's Stationery Office. Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence Number: 100023397

Drawing file path & name: U:\Projects\674946 NSC - 2016 Bristol Framework\674946.BJ.35.01 MW Ph1 Landscape and Ar\690 AutoCAD\674946.BJ.35.01-01 Rev H.dwg



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS



H	OHP	ADL	ADL	24/10/2018	Landscape Plans Updated
G	OHP	ADL	ADL	30/09/2018	Landscape Plans Updated
F	KW	AL	ADL	10/09/2018	Landscape Plans Updated
E	KW	AL	ADL	28/04/2018	Landscape Plans Updated
D	ADS	AL	ADL	15/11/2018	Landscape Plans Updated
C	OHP	CW	ADL	15/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/08/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Appr'd	Date	Description

travelwest
Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

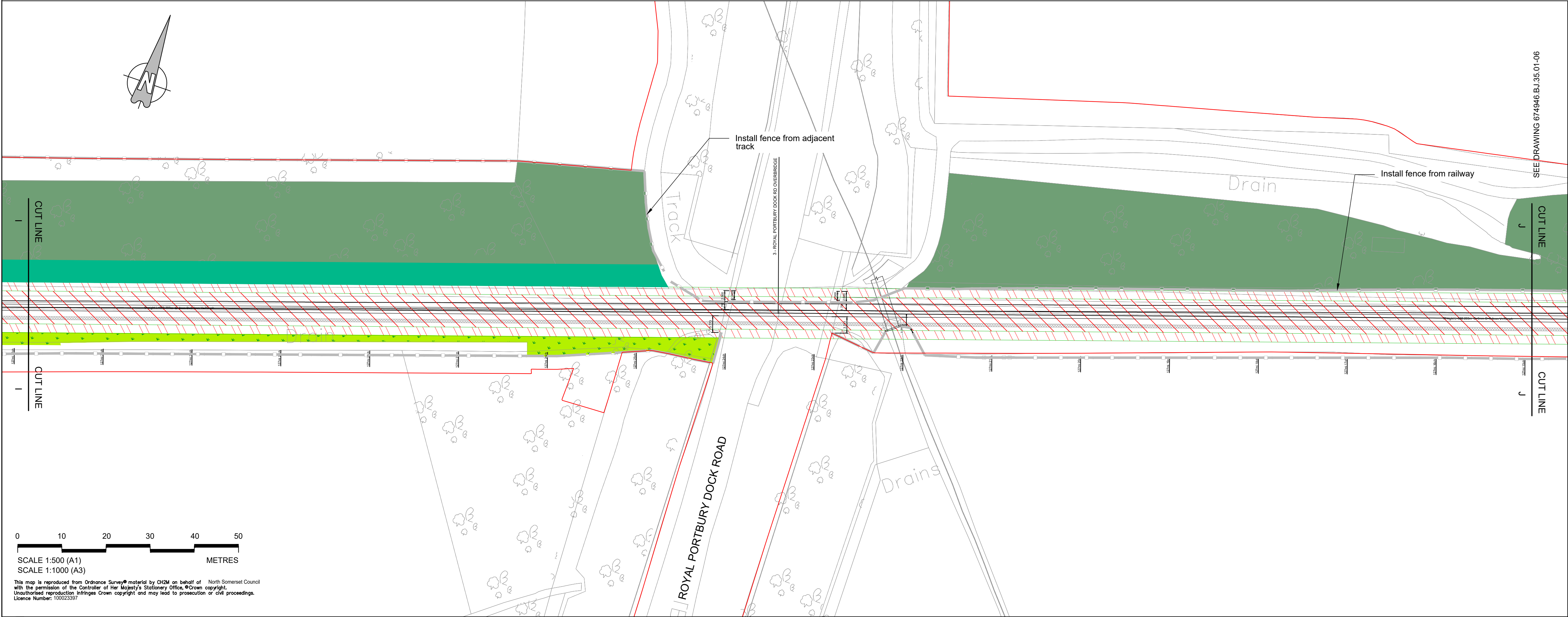
Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 4 OF 8

Drawn by: FG	Date: 26/02/2018
Checked by: KW	Date: 26/02/2018
Approved by: ADL	Date: 26/02/2018
Drawing No.	Revision
674946.BJ.35.01-04	H

Drawing Scale: 1:500 @ A1

This map is reproduced from Ordnance Survey material by CH2M on behalf of North Somerset Council with the permission of the Controller of Her Majesty's Stationery Office. Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence Number: 10002397



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS

H	OHP	ADL	ADL	24/10/2018	Landscape Plans Updated
G	OHP	ADL	ADL	30/09/2018	Landscape Plans Updated
F	KW	AL	ADL	10/09/2018	Landscape Plans Updated
E	KW	AL	ADL	28/04/2018	Landscape Plans Updated
D	ADS	AL	ADL	15/11/2018	Landscape Plans Updated (Dry 30 Day)
C	OHP	CW	ADL	15/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/09/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Apprvd	Date	Description

travelwest
Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

ch2m

Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 5 OF 8

Drawn by: FG Date: 26/02/2018
Checked by: KW Date: 26/02/2018
Approved by: ADL Date: 26/02/2018

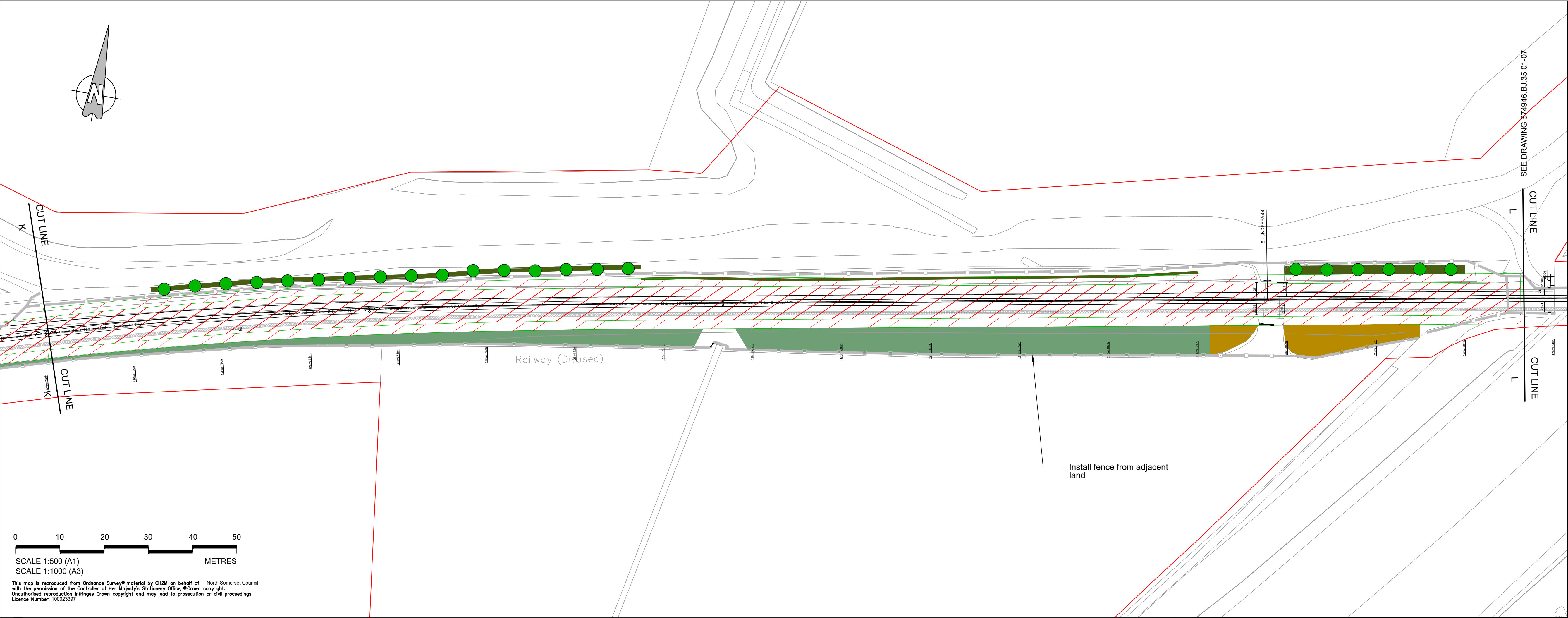
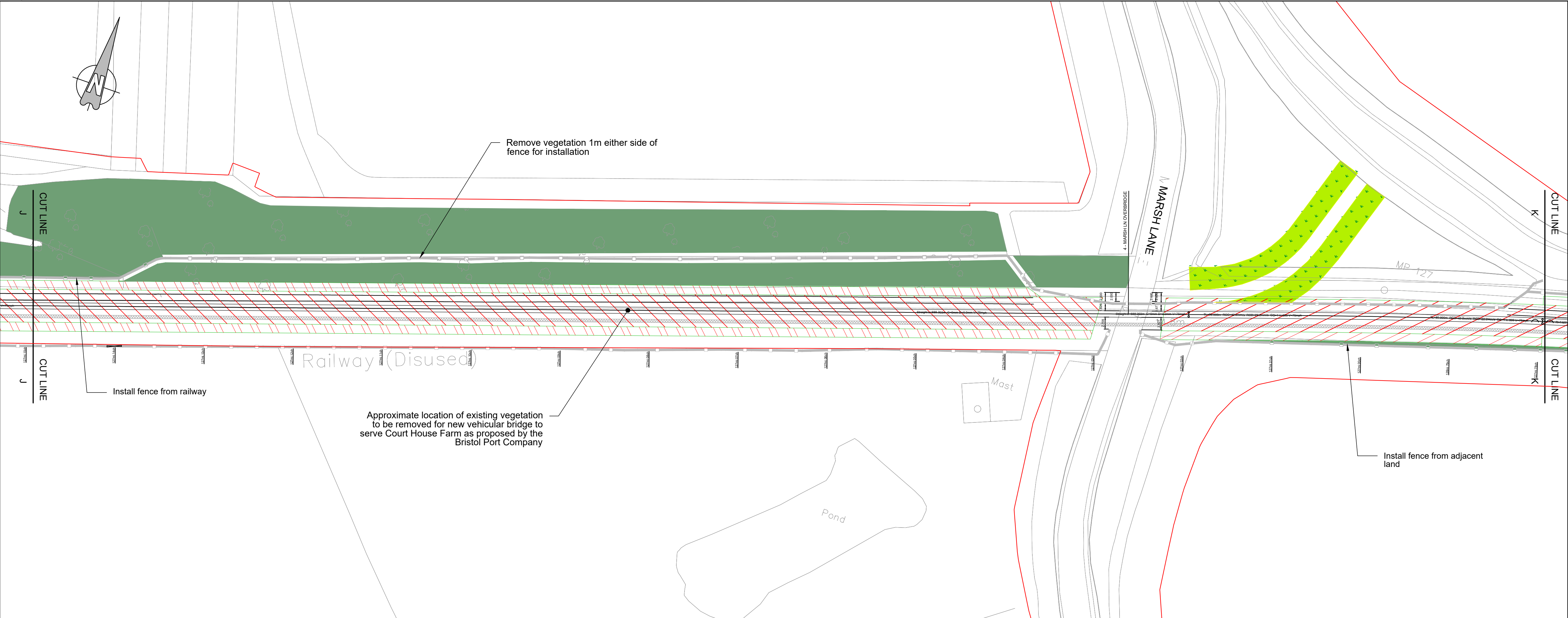
Drawing No. 674946.BJ.35.01-05
Revision H

Drawing Scale: 1:500 @ A1

0 10 20 30 40 50
SCALE 1:500 (A1)
SCALE 1:1000 (A3)
METRES

This map is reproduced from Ordnance Survey material by CH2M on behalf of North Somerset Council with the permission of the Controller of Her Majesty's Stationery Office. Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence Number: 10022397

Drawing file path & name: U:\Projects\674946 NSC - 2016 Bristol Framework\674946.BJ.35.01 MW.Ph1.Landscape and Ar\690_AutoCAD\674946.BJ.35.01-01 Rev H.dwg



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS

H	OHP	ADL	ADL	24/10/2018	Landscape Plans Updated
G	OHP	ADL	ADL	30/09/2018	Landscape Plans Updated
F	KW	AL	ADL	10/09/2018	Landscape Plans Updated
E	KW	AL	ADL	28/04/2018	Landscape Plans Updated
D	ADS	AL	ADL	15/11/2018	Landscape Plans Updated (Dry 3d Only)
C	OHP	CW	ADL	15/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/09/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Apprvd	Date	Description

travelwest
Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

ch2m

Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 6 OF 8

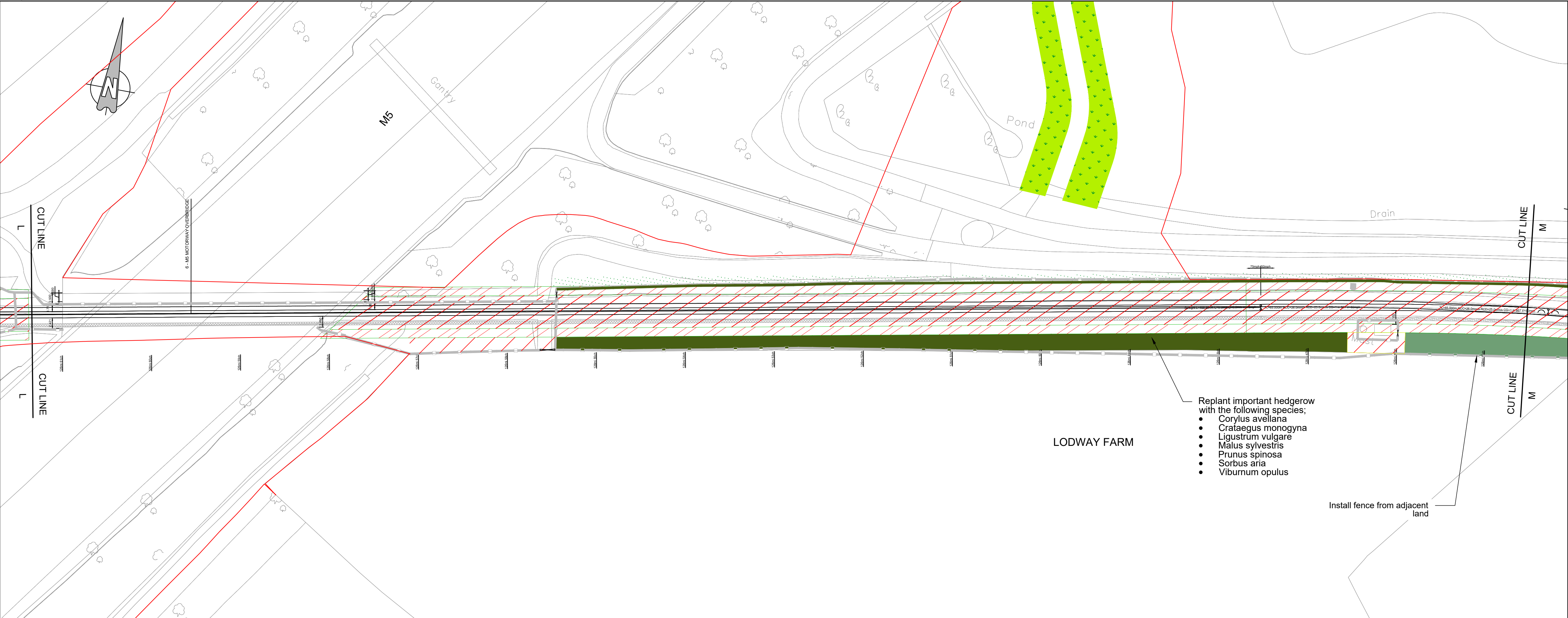
Drawn by: FG Date: 26/02/2018

Checked by: KW Date: 26/02/2018

Approved by: ADL Date: 26/02/2018

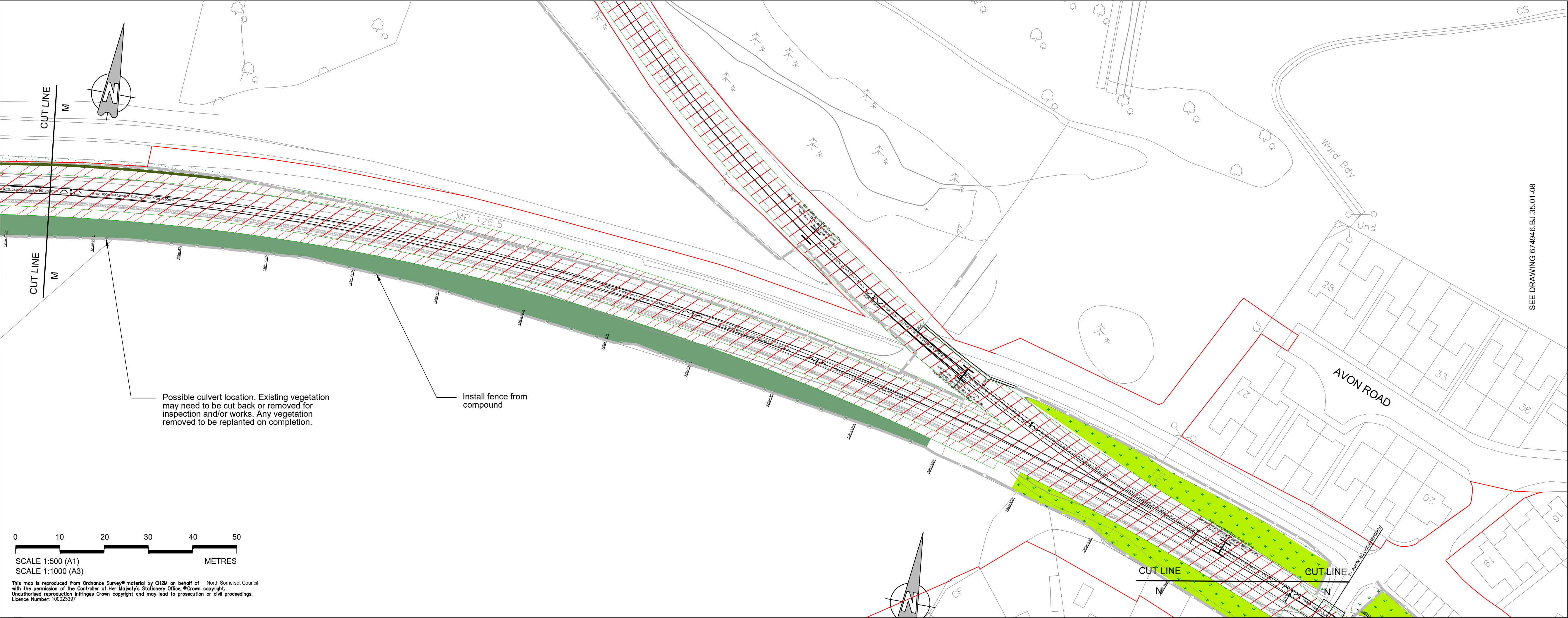
Drawing No. 674946.BJ.35.01-06 Revision H

Drawing Scale: 1:500 @ A1



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS



H	OHP	ADL	ADL	24/10/2018	Landscape Plans Updated
G	OHP	ADL	ADL	30/09/2018	Landscape Plans Updated
F	KW	AL	ADL	10/09/2018	Landscape Plans Updated
E	KW	AL	ADL	28/04/2018	Landscape Plans Updated
D	ADS	AL	ADL	15/11/2018	Landscape Plans Updated
C	OHP	CW	ADL	15/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/08/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Apprvd	Date	Description

travelwest

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

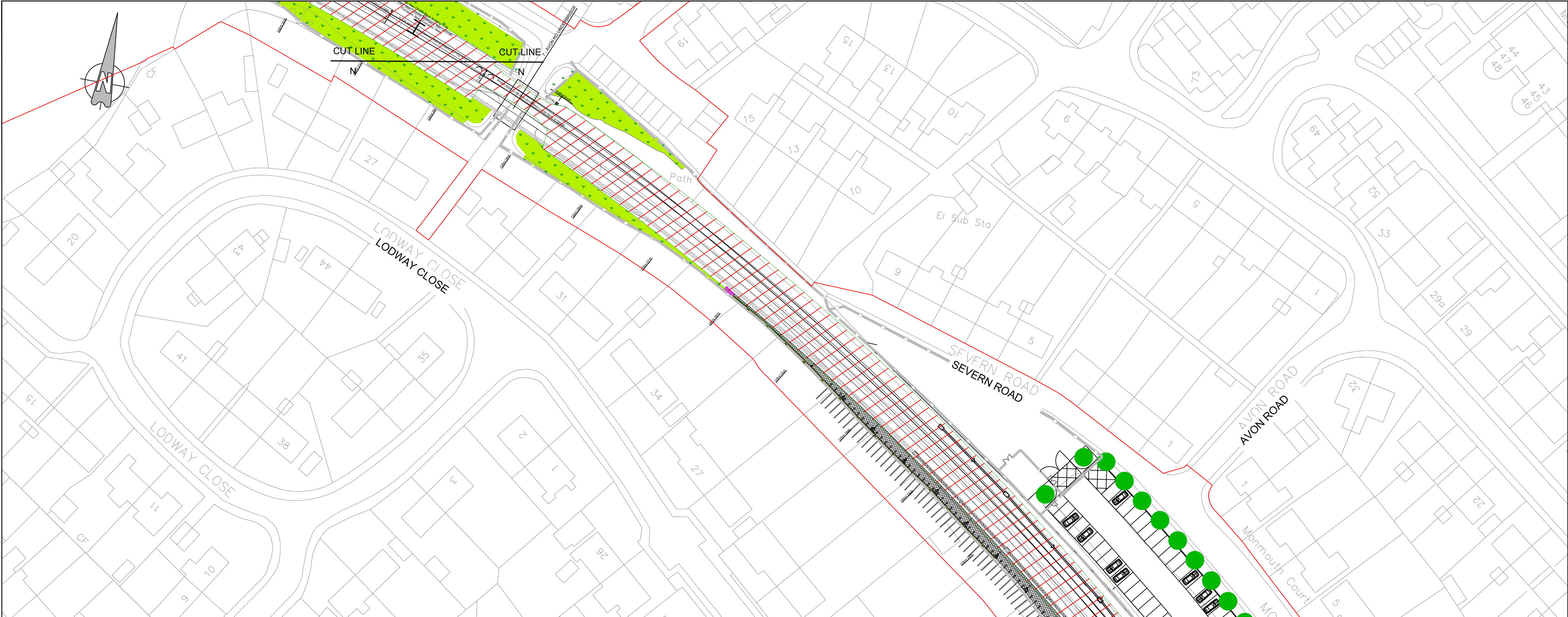
ch2m

Project
PORTISHEAD BRANCH LINE
(METROWEST PHASE 1)

Drawing
RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 7 OF 8

Drawn by: FG Date: 26/02/2018
Checked by: KW Date: 26/02/2018
Approved by: ADL Date: 26/02/2018
Drawing No. 674946.BJ.35.01-07 Revision H

Drawing Scale: 1:500 @ A1



LEGEND

- TREES TO BE PLANTED
- VEGETATION TO BE RETAINED
- GRASSLAND TO BE PLANTED
- HEDGE TO BE PLANTED
- WOODLAND TO BE PLANTED
- SCRUB VEGETATION TO BE PLANTED
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION
- RAIL CORRIDOR TO BE CLEAR OF VEGETATION, NR OPTION TO CLEAR IN FUTURE
- EXISTING DRAINAGE/ DITCHES
- FENCE
- ORDER LIMITS

Trees and Shrub Planting

%	NATIVE WOODLAND MIX	density of 0.25/m2 planted randomly			
	Latin name	Common name	Size	Form	Height
20%	Betula pendula	Silver birch	1+2	Bareroot	80-100cm
	Acer campestre	Field Maple	1+2	Bareroot	80-100cm
	Sorbus aria	Whitebeam	1+2	Bareroot	80-100cm
	Sorbus aucuparia	Rowan	1+2	Bareroot	80-100cm
		density of 1no./m2 planted randomly			
80%	Cornus sanguinea	Common dogwood	1+1	Bareroot	60-80cm
	Corylus avellana	Common hazel	1+1	Bareroot	60-80cm
	Crataegus monogyna	Common hawthorn	1+1	Bareroot	60-80cm
	Ilex aquifolium	English holly		Rootball	60-80cm

Symbol	TREES				
	Latin name	Common name	Girth/Size	Form	Height
Ac	Acer campestre	Field Maple	12 - 14cm	Bare root	2m clear stem
Pa	Prunus padus	Bird cherry	10-12cm	Bare root	3m clear stem
Sa	Sorbus aucuparia	Rowan	12-14cm	Bare root	3m clear stem

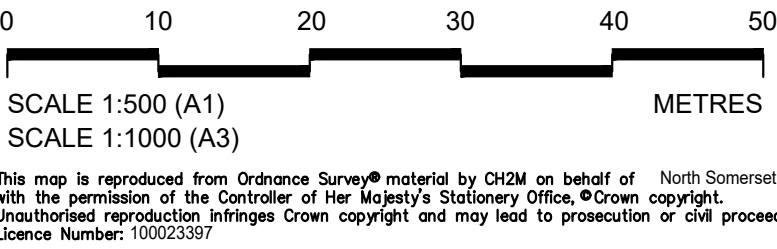
%	NATIVE HEDGEROW	6no. per linear meter in double staggered row 450mm apart			
	Latin name	Common name	Size	Form	Height
40%	Crataegus monogyna	Common hawthorn	1+1	Bareroot	60-80cm
10%	Cornus alba	White dogwood	1+2	Bareroot	60-80cm
10%	Corylus avellana	Common hazel	1+2	Bareroot	60-80cm
5%	Ilex aquifolium	English holly		Rootball	60-80cm
5%	Lonicera periclymenum	Common honeysuckle	1+2	Bareroot	60-80cm
10%	Malus sylvestris	Crab apple	1+1	Bareroot	60-80cm
10%	Rosa canina	Guelder rose	1+2	Bareroot	60-80cm
10%	Viburnum opulus	Dog rose	1+1	Bareroot	60-80cm

Symbol	SHRUBS	planted at 2no./m2			
	Latin name	Common name	Size	Form	Height
Ca	Cornus alba	White dogwood	1+2	Bareroot	80-100cm
Cs	Cornus stolonifera 'Flaviramea'	Osier dogwood	1+2	Bareroot	80-100cm
Lv	Ligustrum vulgare	Wild privet	1+1	Bareroot	60-80cm
Ra	Rosa arvensis	Field rose	1+1	Bareroot	60-80cm
Sn	Sambucus nigra	Elder	1+2	Bareroot	80-100cm
Tb	Taxus baccata	Yew		Rootball	60-80cm
Vi	Viburnum lantana	Wayfaring tree	1+1	Bareroot	60-80cm
Vo	Viburnum opulus	Guelder rose	1+2	Bareroot	80-100cm

Grass Mixes

	SPIECES RICH MIX		GRASS MIX IN PLANTING AREAS
	Emorsgate mix EM7 seeded at 4g/m2		Emorsgate Seeds EW1 @ 4g/m2
20%	Wildflowers	20%	Wildflowers
0,5%	Achillea millefolium	3,00%	Alliaria petiolata
2,2%	Centaurea nigra	1,00%	Allium ursinum
1,0%	Daucus carota	1,2%	Betonica officinalis
2,0%	Echium vulgare	1,00%	Digitalis purpurea
1,5%	Galium verum	2,00%	Filipendula ulmaria
1,0%	Leucanthemum vulgare	1,00%	Galium albanum
0,3%	Linaria vulgaris	3,00%	Geum urbanum
2,0%	Lotus corniculatus	2,6%	Hyacinthoides non-scripta
0,5%	Malva moschata	0,4%	Hypericum hirsutum
1,0%	Plantago lanceolata	0,2%	Primula vulgaris
0,5%	Plantago media	1,00%	Prunella vulgaris
0,4%	Primula veris	1,4%	Silene dioica
2,0%	Prunella vulgaris	0,2%	Silene flos-cuculi
3,0%	Ranunculus acris	1,00%	Stachys sylvatica
1,0%	Rumex acetosa	1,00%	Teucrium scorodonia
0,5%	Rumex acetosella	80%	Grasses
0,6%	Silene vulgaris	10%	Agrostis capillaris
80%	Grasses	2,00%	Anthoxanthum odoratum
10%	Agrostis capillaris	7,00%	Brachypodium sylvaticum
6,0%	Anthoxanthum odoratum	28%	Cynosurus cristatus
24%	Cynosurus cristatus	1,00%	Deschampsia cespitosa
20%	Festuca ovina	20%	Festuca rubra
20%	Festuca rubra	12%	Poa nemoralis

	GRASS VERGE MIX
	Geminal A18 Verge Mix seeded at 35g/m2
%	Name
30%	Corail creeping red fescue
25%	Cadix perennial ryegrass
20%	Mentor red fescue
12,5%	Zeptor smooth-stalked meadow grass
10%	Highland browntop bent
2,5%	Aberace miniature white clover



H	CHP	ADL	ADL	24/10/2019	Landscape Plans Updated
G	CHP	ADL	ADL	30/09/2019	Landscape Plans Updated
F	KW	AL	ADL	10/09/19	Landscape Plans Updated
E	KW	AL	ADL	28/04/2019	Landscape Plans Updated
D	ADS	AL	ADL	19/11/2018	Landscape Plans Updated (Dry 3d Only)
C	CHP	CW	ADL	19/11/2018	Landscape Plans Updated
B	FG	KW	ADL	10/09/2018	Landscape Plans Updated
A	FG	KW	ADL	28/02/2018	First Issue
Rev	By	Chkd	Apprvd	Date	Description

Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire Councils working together to improve your local transport

CH2M HILL
1 The Square Temple Quay Bristol BS1 6DG
Tel +44 (0)117 910 2580 Fax +44 (0)117 910 2581
www.ch2m.com

Project

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

Drawing

**RAILWAY LANDSCAPE PLANS
(DISUSED LINE)
SHEET 8 OF 8**

Drawn by: FG	Date: 26/02/2018
Checked by: KW	Date: 26/02/2018
Approved by: ADL	Date: 26/02/2018

Drawing No.	Revision
674946.BJ.35.01-08	H

Drawing Scale: 1:500 @ A1

Drawing file path & name : I:\Projects\674946 NSC - 2016 Bristol Framework\674946 BJ.35.01-01 MW Ph1 Landscape and Ar1809 AutoCAD\09 AutoCAD\674946 BJ.35.01-01 Rev H.dwg