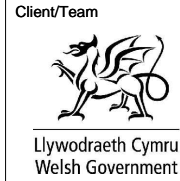


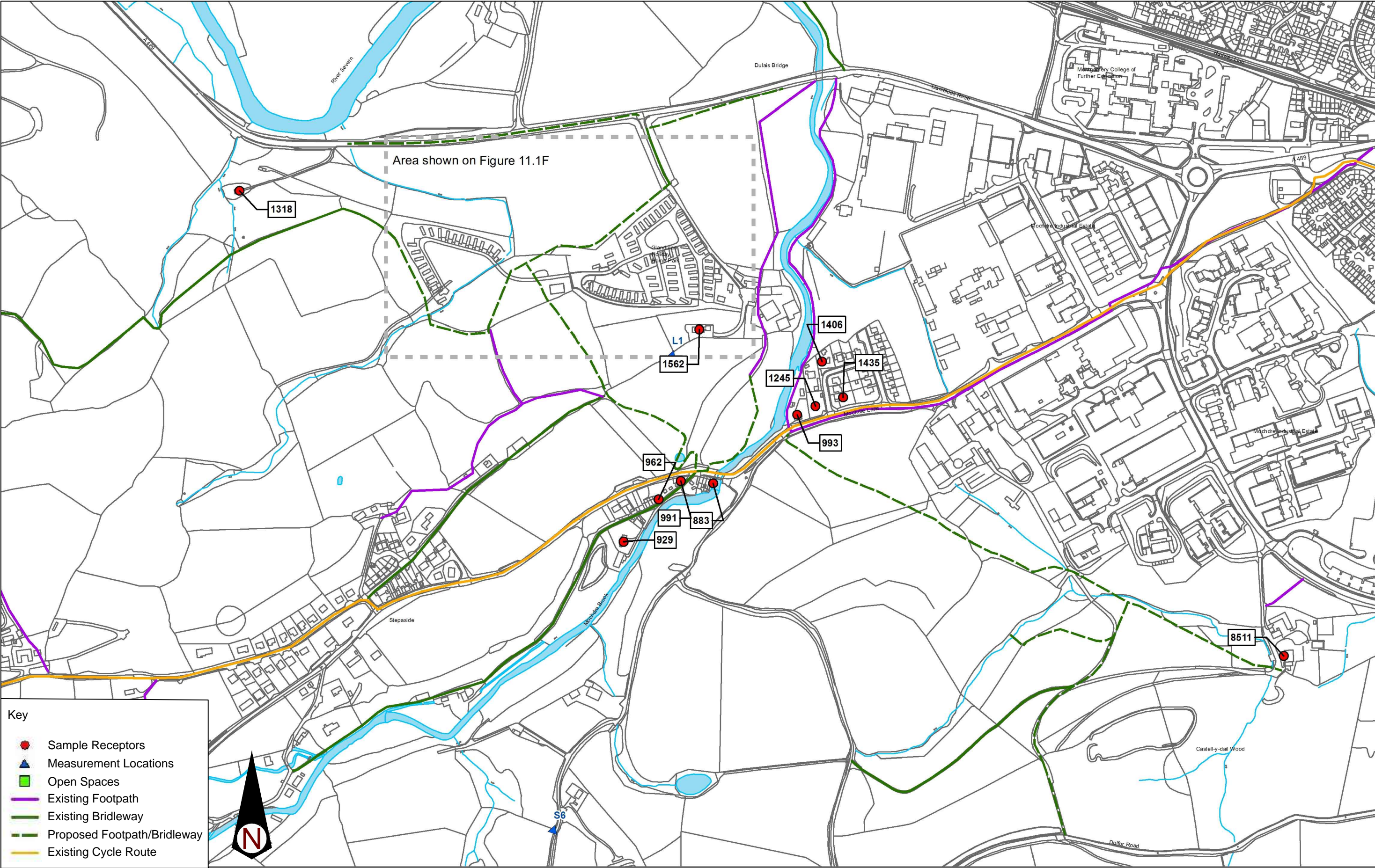
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Job Title
A483/A489
Newtown Bypass

Drawing Title
Environmental Statement
Noise and Vibration
Study Area Measurement Locations
Sheet 1 of 6

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.1a
		Issue	-



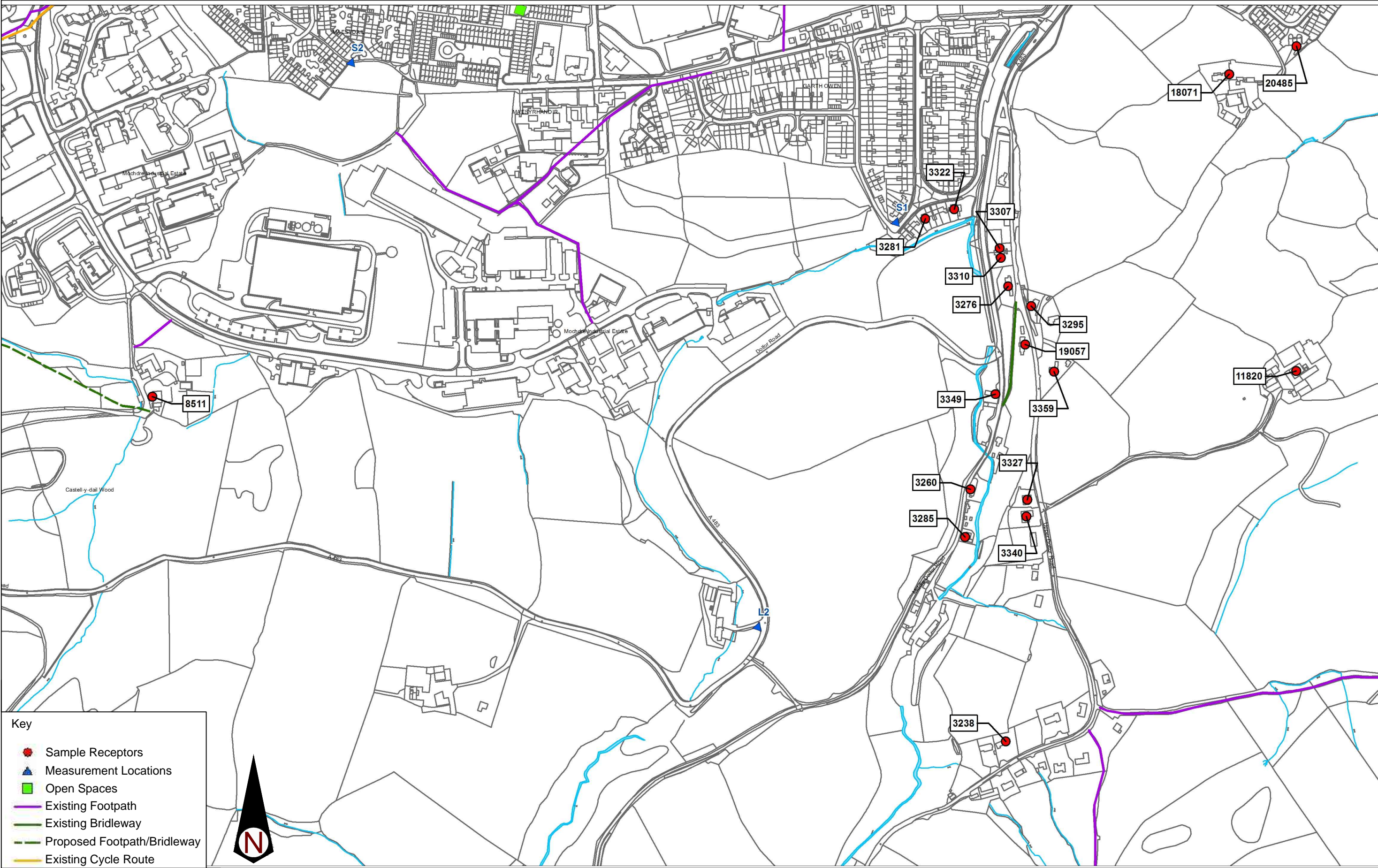
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Job Title
 A483/A489
 Newtown Bypass

Drawing Title
 Environmental Statement
 Noise and Vibration
 Study Area Measurement Locations
 Sheet 2 of 6

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.1b
		Issue	-



Key

- Sample Receptors
- Measurement Locations
- Open Spaces
- Existing Footpath
- Existing Bridleway
- Proposed Footpath/Bridleway
- Existing Cycle Route



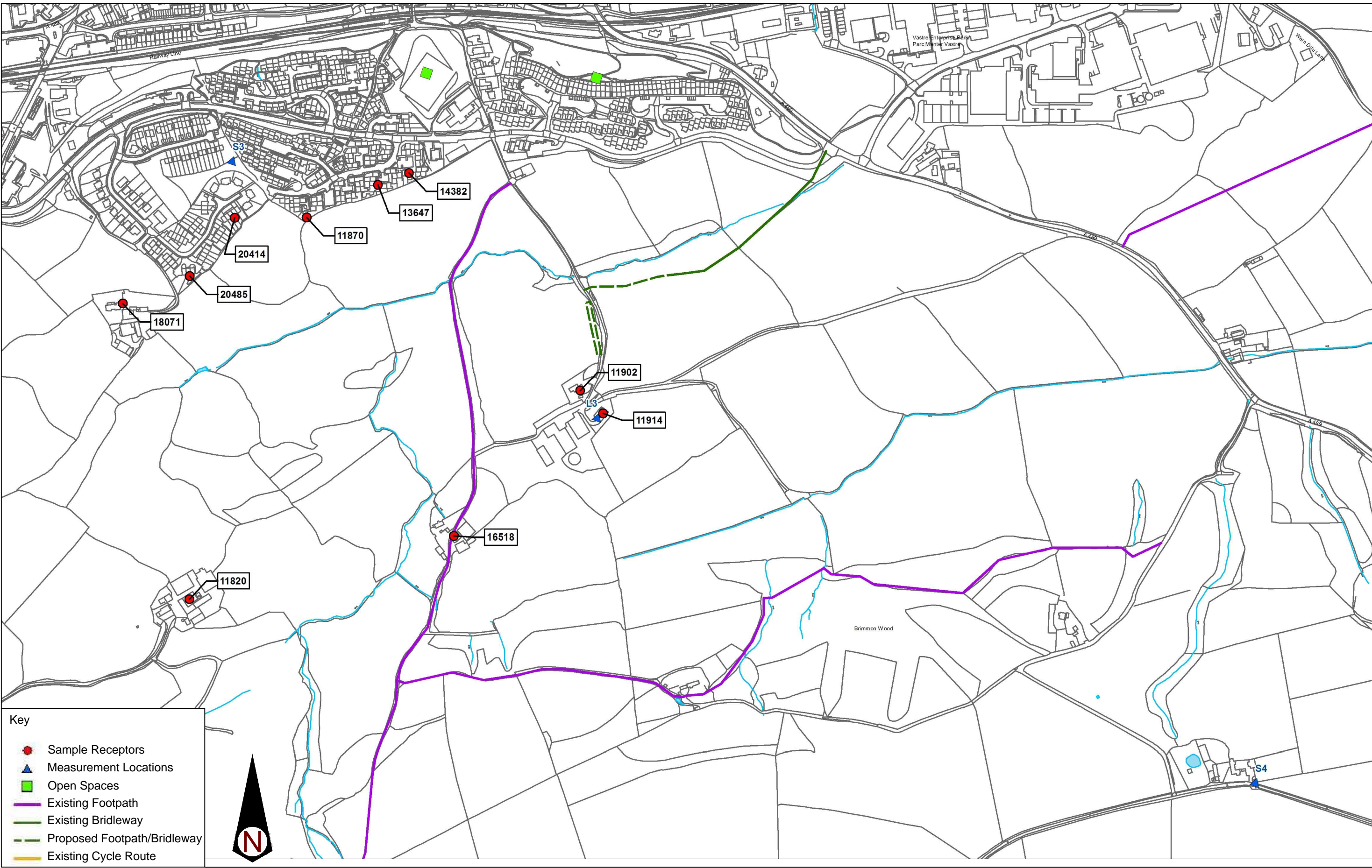
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A483/A489
Newtown Bypass

Drawing Title
Environmental Statement
Noise and Vibration
Study Area Measurement Locations
Sheet 3 of 6

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.1c
		Issue	-



Key

- Sample Receptors
- Measurement Locations
- Open Spaces
- Existing Footpath
- Existing Bridleway
- Proposed Footpath/Bridleway
- Existing Cycle Route



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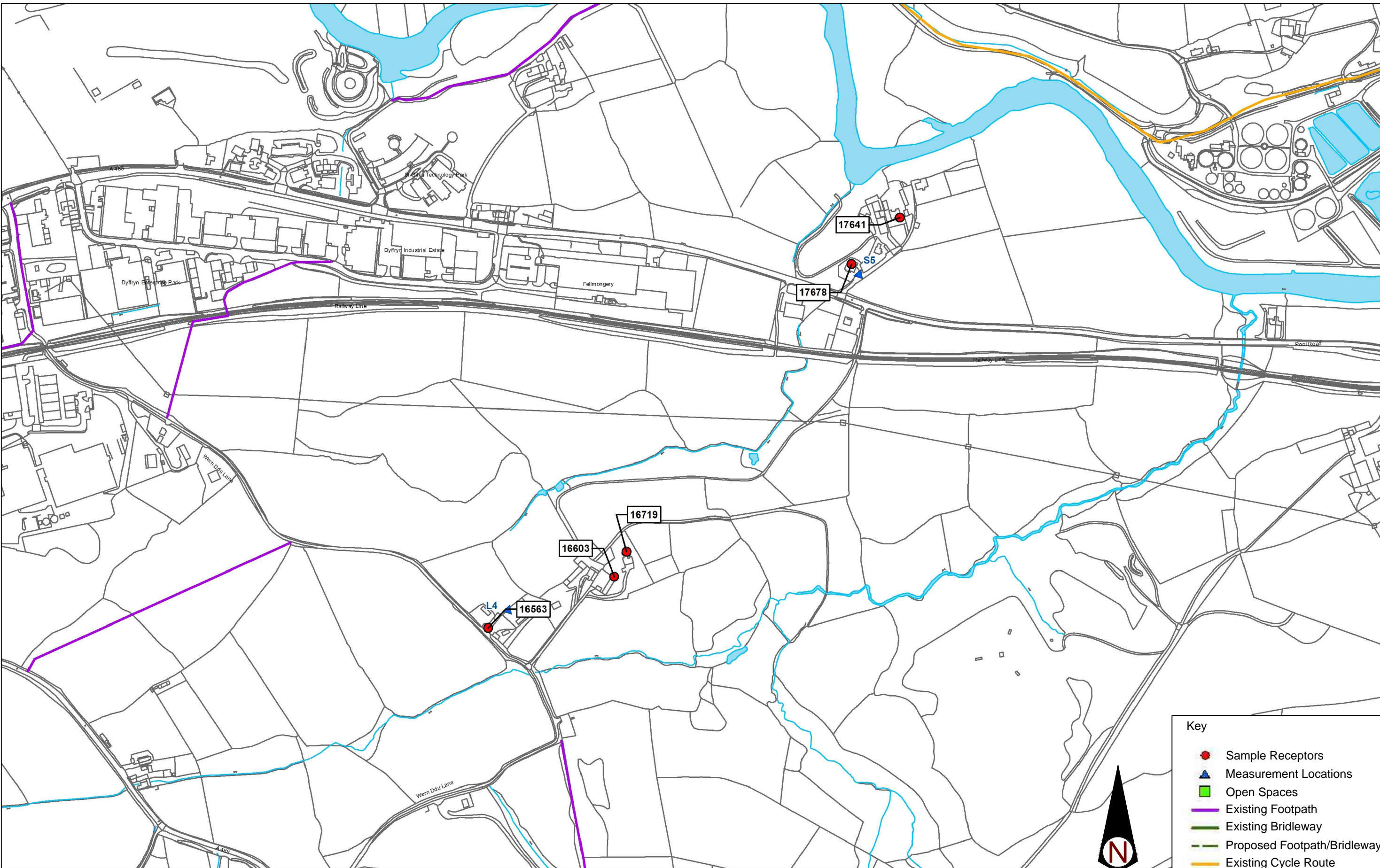
Job Title

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Newtown Bypass

Drawing Title

Environmental Statement
Noise and Vibration
Study Area Measurement Locations
Sheet 4 of 6

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.1d
		Issue	-



Key

- Sample Receptors
- Measurement Locations
- Open Spaces
- Existing Footpath
- Existing Bridleway
- Proposed Footpath/Bridleway
- Existing Cycle Route



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Environmental Statement
Noise and Vibration
Study Area Measurement Locations
Sheet 5 of 6

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.1e
		Issue	-



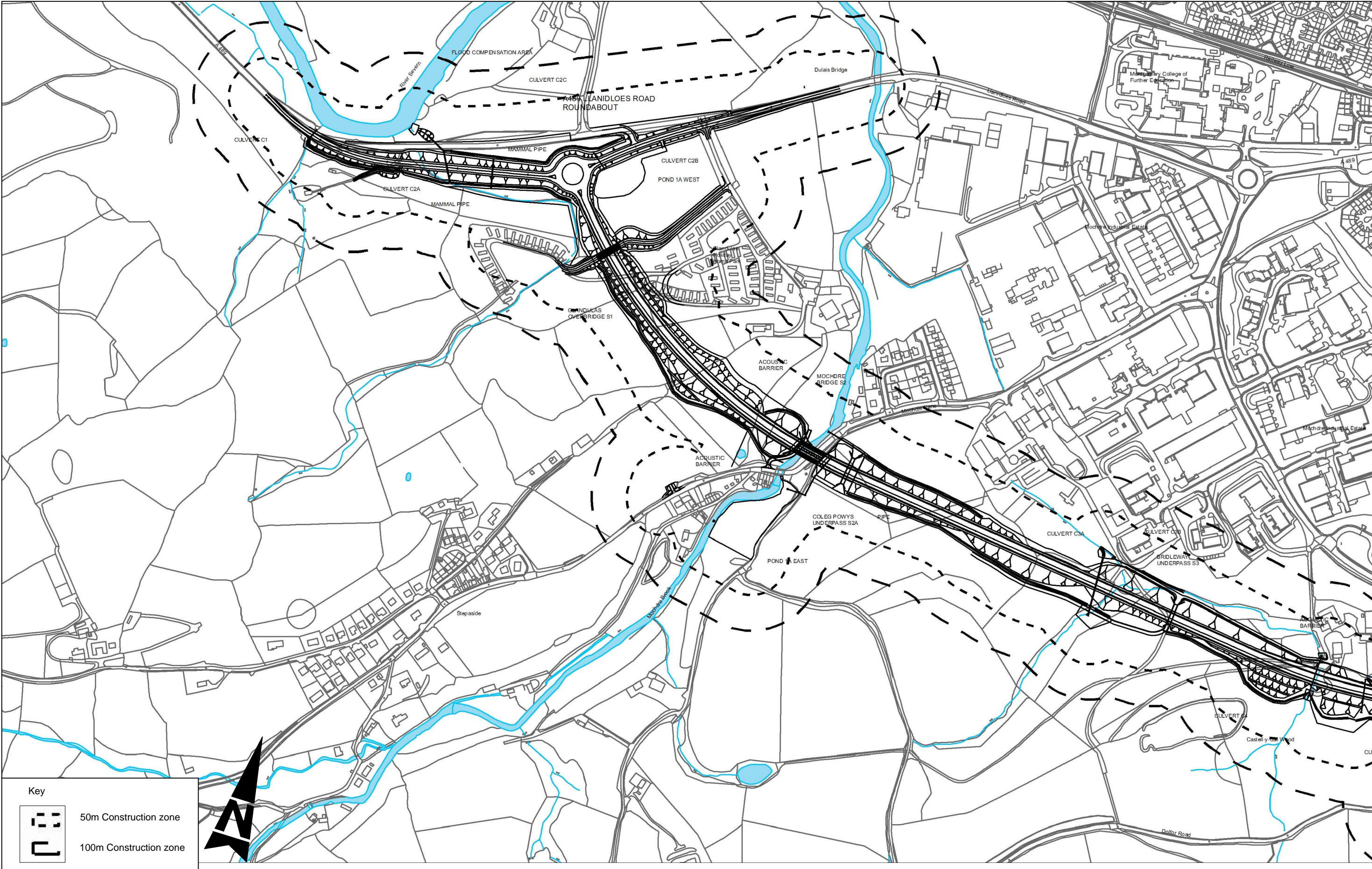
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A483/A489
Newtown Bypass

Drawing Title
Environmental Statement
Noise and Vibration
Study Area Measurement Locations
Sheet 6 of 6

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.1f
		Issue	-



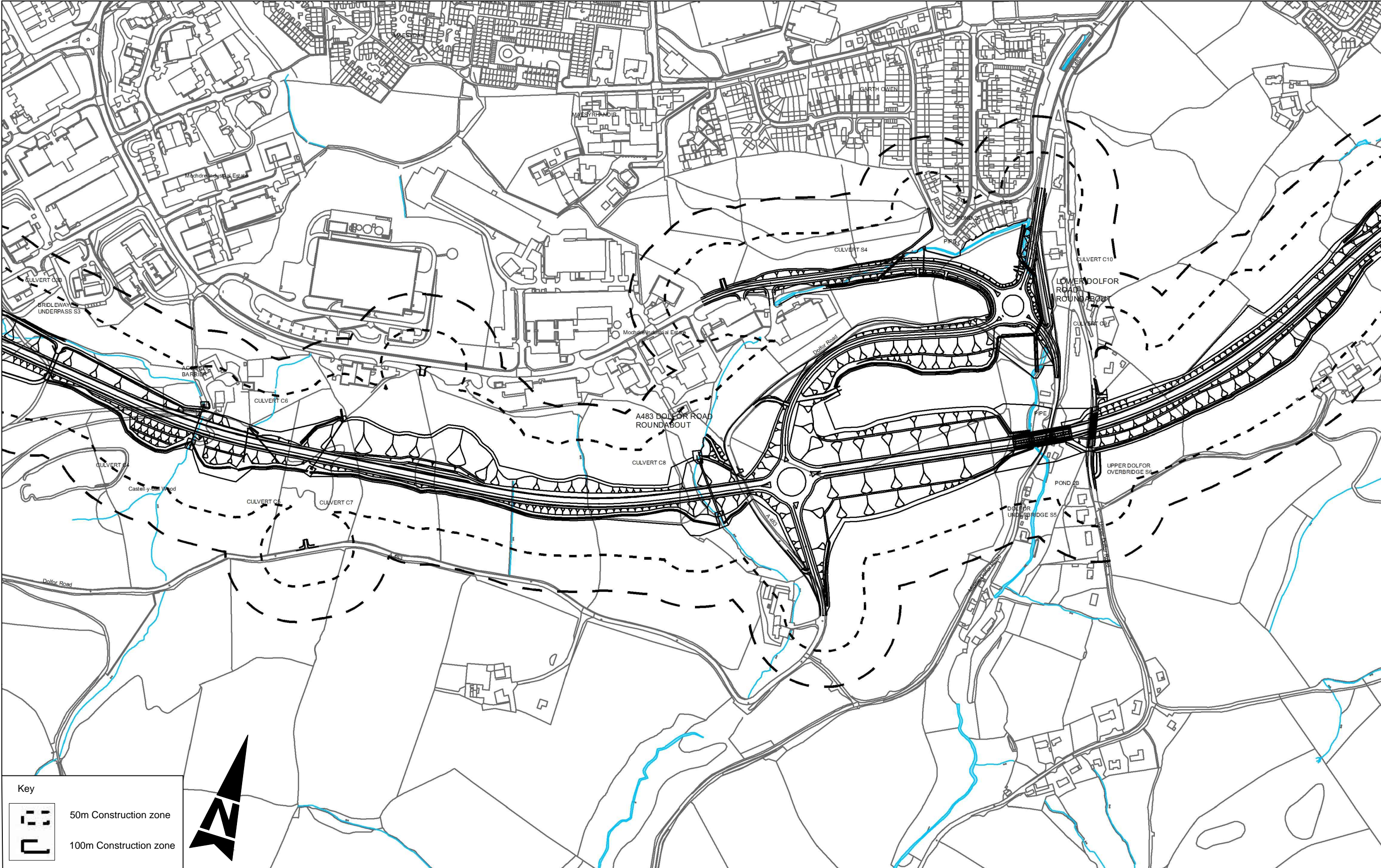
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Job Title
A483/A489
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Drawing Title
Environmental Statement
Noise and Vibration
Construction Noise - Distance Boundaries
Sheet 1 of 4

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.2a
		Issue	-



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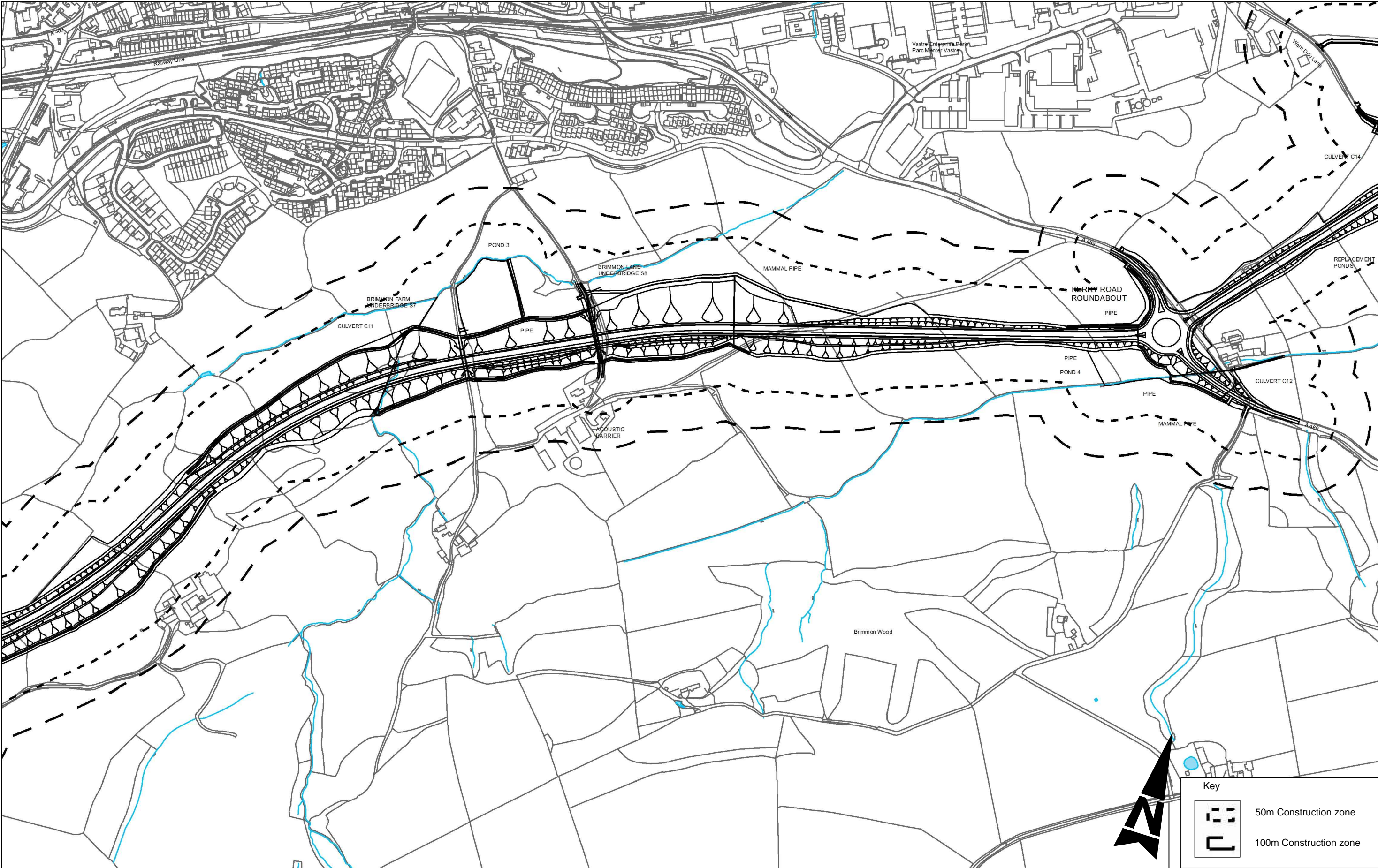
Job Title

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Newtown Bypass

Drawing Title

Environmental Statement
Noise and Vibration
Construction Noise - Distance Boundaries
Sheet 2 of 4

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.2b
		Issue	-



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Environmental Statement
Noise and Vibration
Construction Noise - Distance Boundaries
Sheet 3 of 4

Date

OCT 2014

Drawn by

JD

Scale at A3

Not to Scale

Checked

DP

Drawing Status

FINAL

Approved

TD

Job No

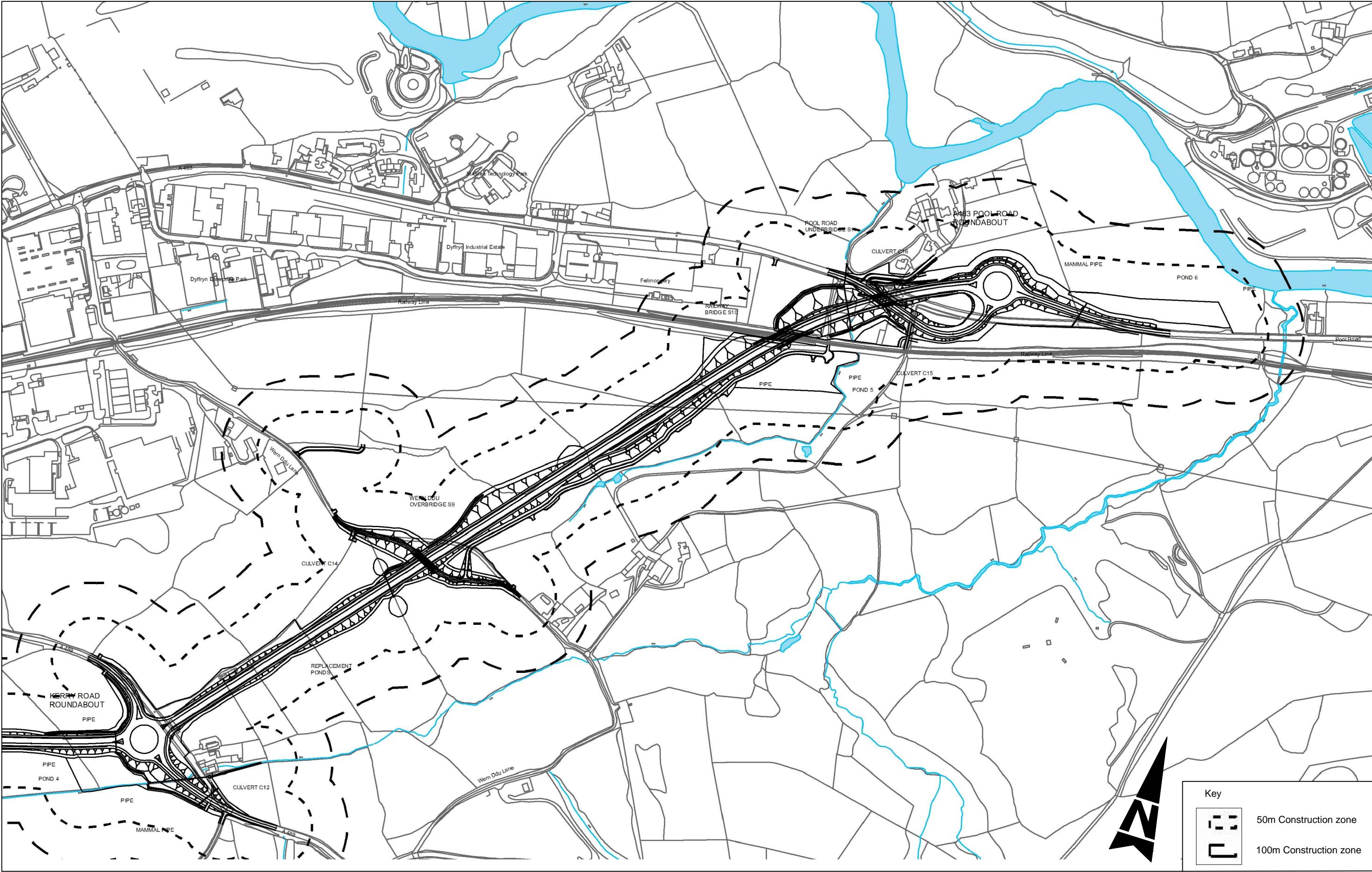
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Figure No

11.2c

Issue

-



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Drawing Title

Environmental Statement
Noise and Vibration
Construction Noise - Distance Boundaries
Sheet 4 of 4

Date

OCT 2014

Drawn by

JD

Scale at A3

Not to Scale

Checked

DP

Drawing Status

FINAL

Approved

TD

Job No

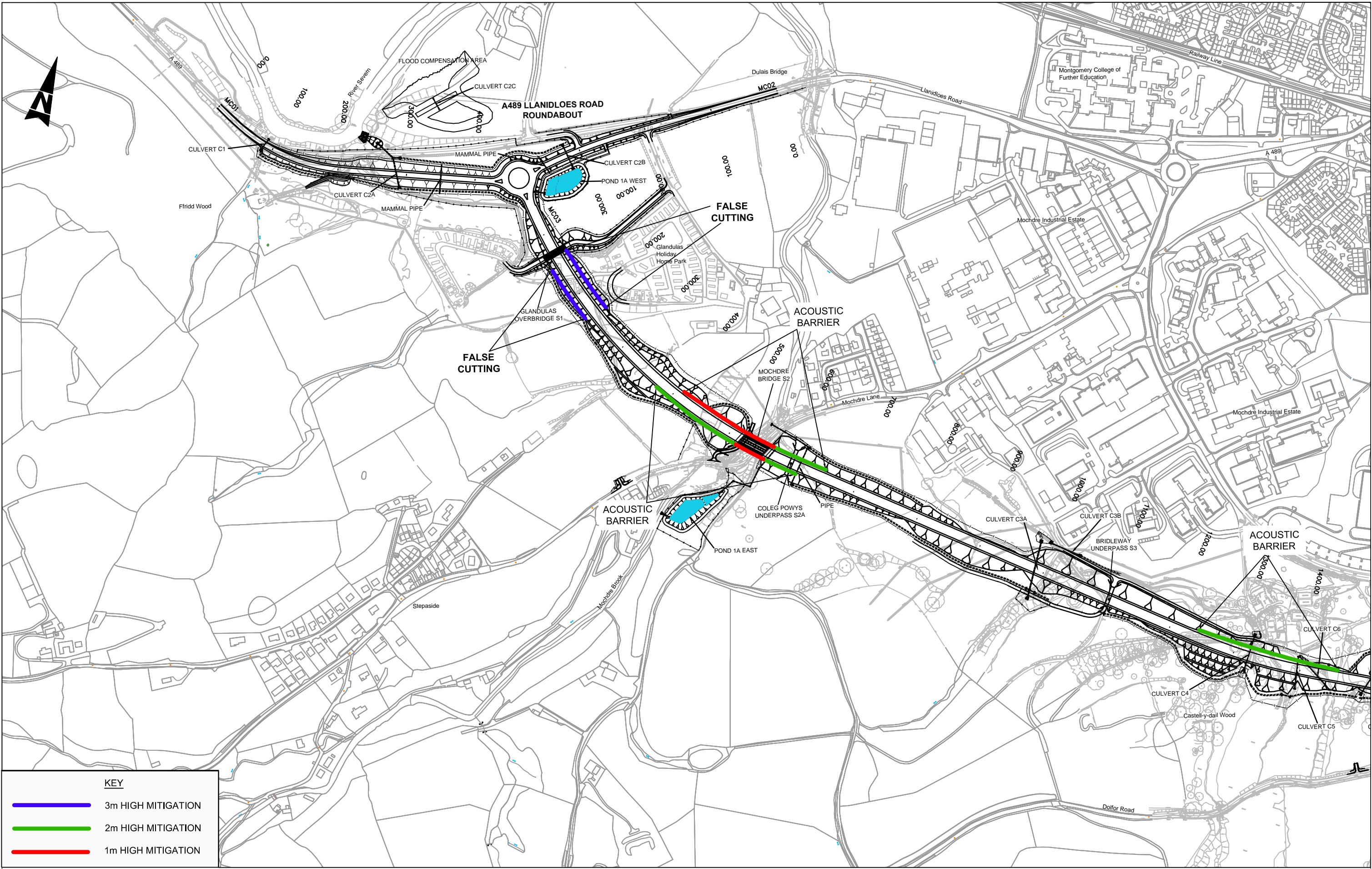
60597

Figure No

11.2d

Issue

-



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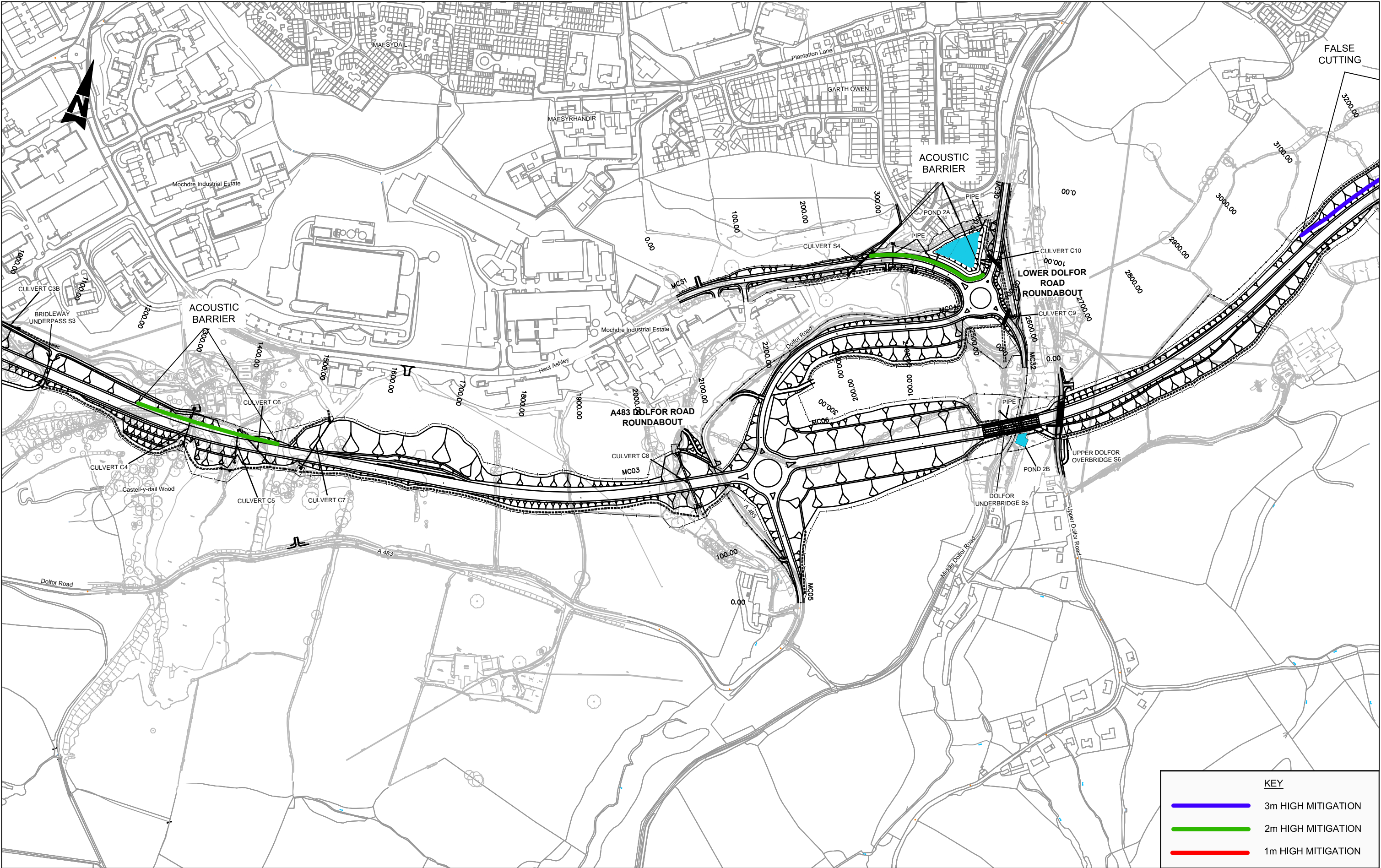
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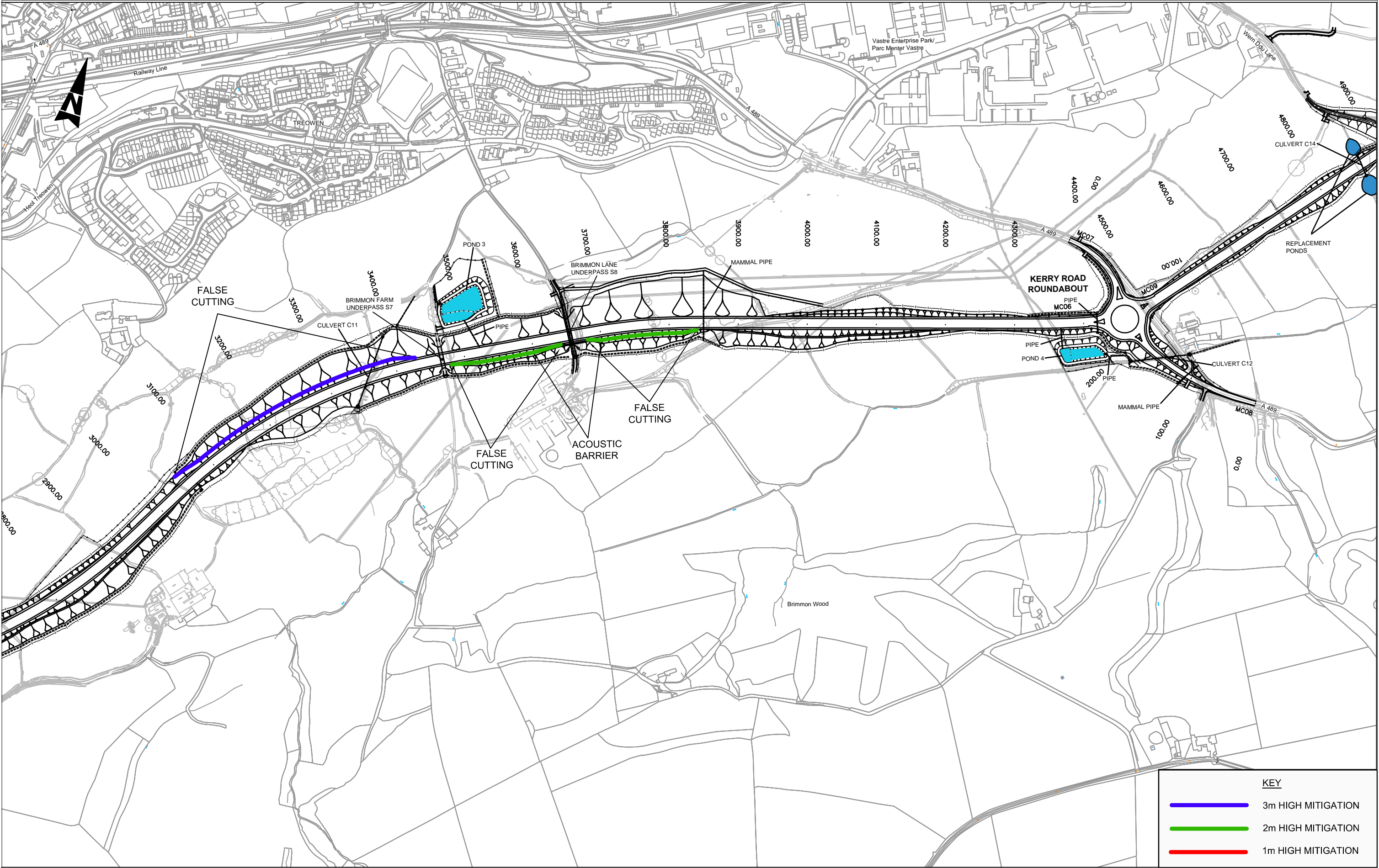
A483/A489
Newtown Bypass

Drawing Title

Environmental Statement
Noise and Vibration
Noise Mitigation
Sheet 1 of 4

Date	OCT 2014	Drawn by	AD
Scale at A3	1:5,000	Scale at A1	1:2,500
Scale at A3	1:5,000	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.3a
Job No	60597	Figure No	11.3a
Issue	-	Issue	-





KEY		
—	3m HIGH MITIGATION	
—	2m HIGH MITIGATION	
—	1m HIGH MITIGATION	

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Newtown Bypass

Drawing Title

Environmental Statement
Noise and Vibration
Noise Mitigation
Sheet 3 of 4

Date

OCT 2014

Drawn by

AD

Scale at A3

1:5,000

Scale at A1

1:2,500

Checked

DP

Drawing Status

FINAL

Approved

TD

Job No

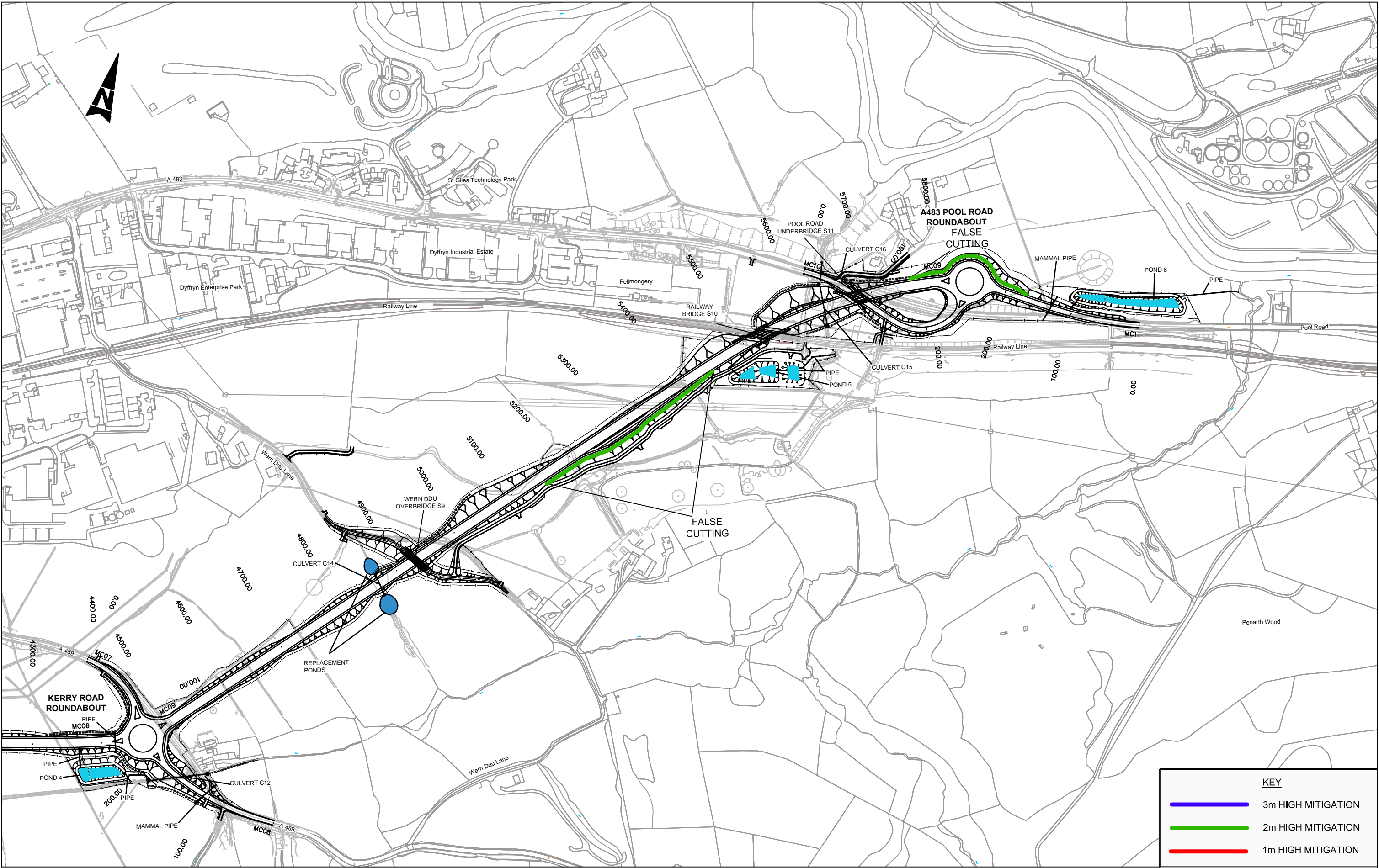
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Figure No

11.3c

Issue

-



KEY	
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Environmental Statement
Noise and Vibration
Noise Mitigation
Sheet 4 of 4

Date

OCT 2014

Drawn by

AD

Scale at A3

1:5,000

Scale at A1

1:2,500

Checked

DP

Drawing Status

FINAL

Approved

TD

Job No

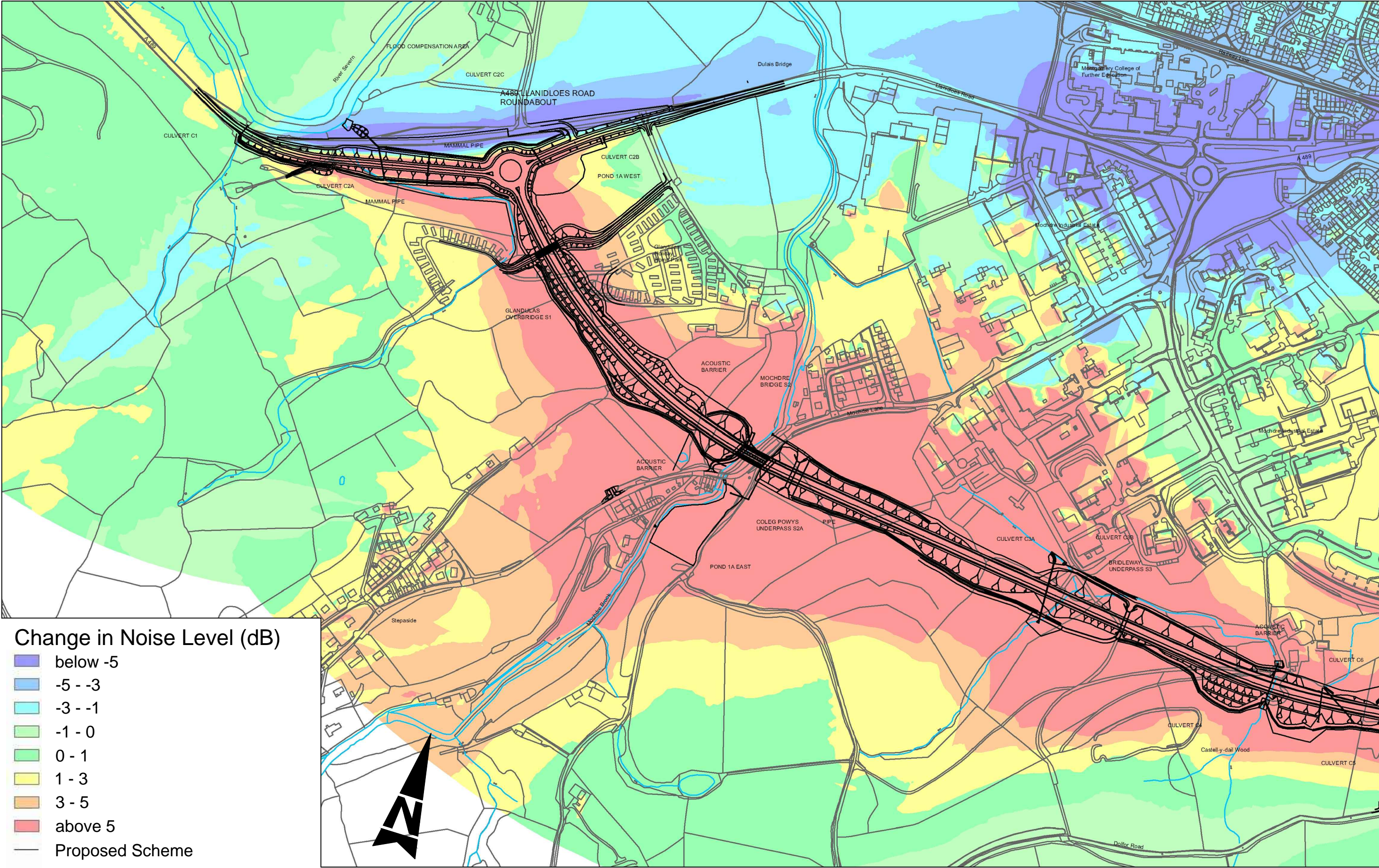
60597

Figure No

11.3d

Issue

-



Change in Noise Level (dB)

- below -5
- 5 - -3
- 3 - -1
- 1 - 0
- 0 - 1
- 1 - 3
- 3 - 5
- above 5
- Proposed Scheme

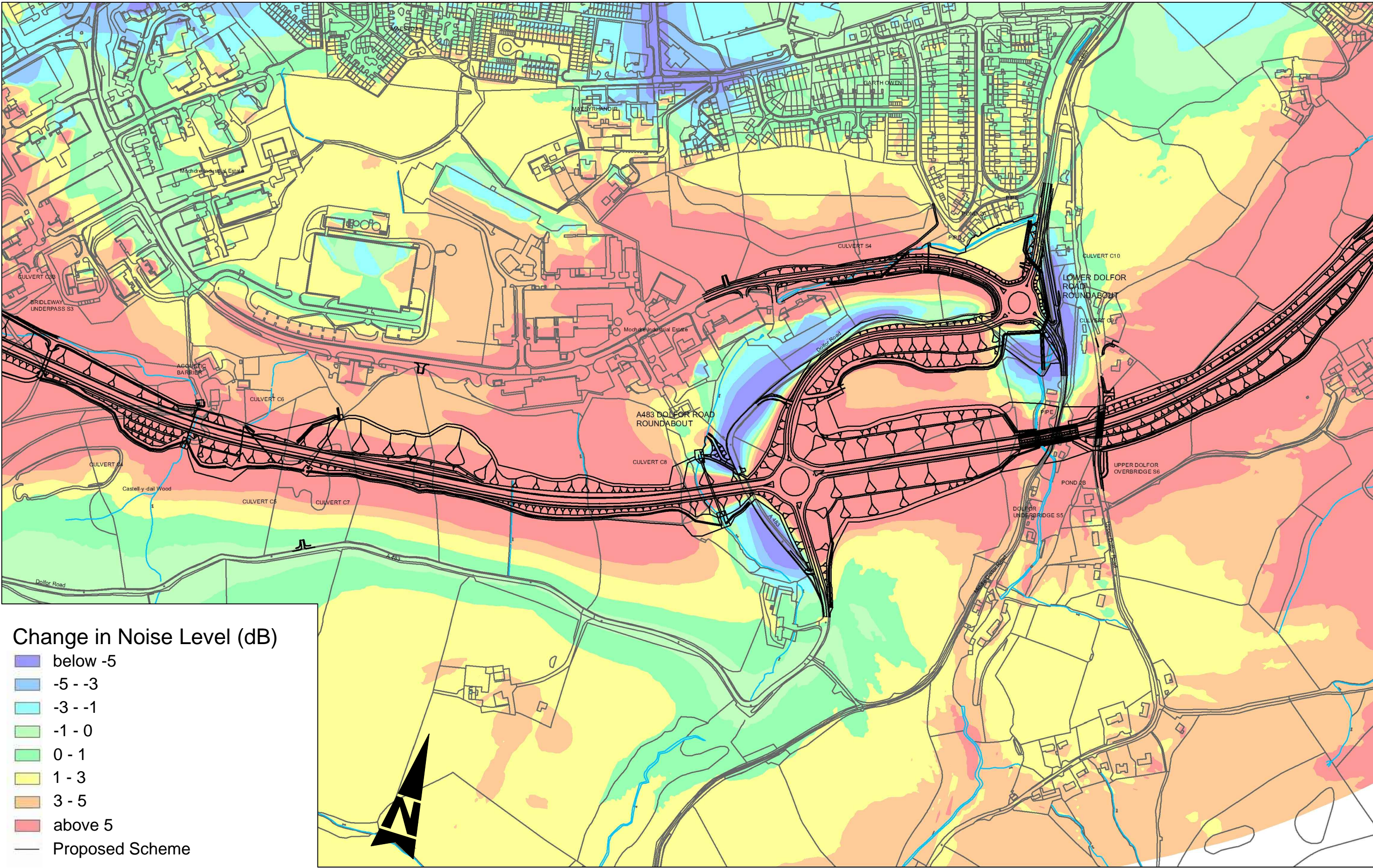
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Job Title
A483/A489
Newtown Bypass

Drawing Title
Environmental Statement
Noise and Vibration
Change to noise level with mitigation (2017)
Sheet 1 of 4

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.4a
		Issue	-



Change in Noise Level (dB)

- below -5
- 5 - -3
- 3 - -1
- 1 - 0
- 0 - 1
- 1 - 3
- 3 - 5
- above 5
- Proposed Scheme

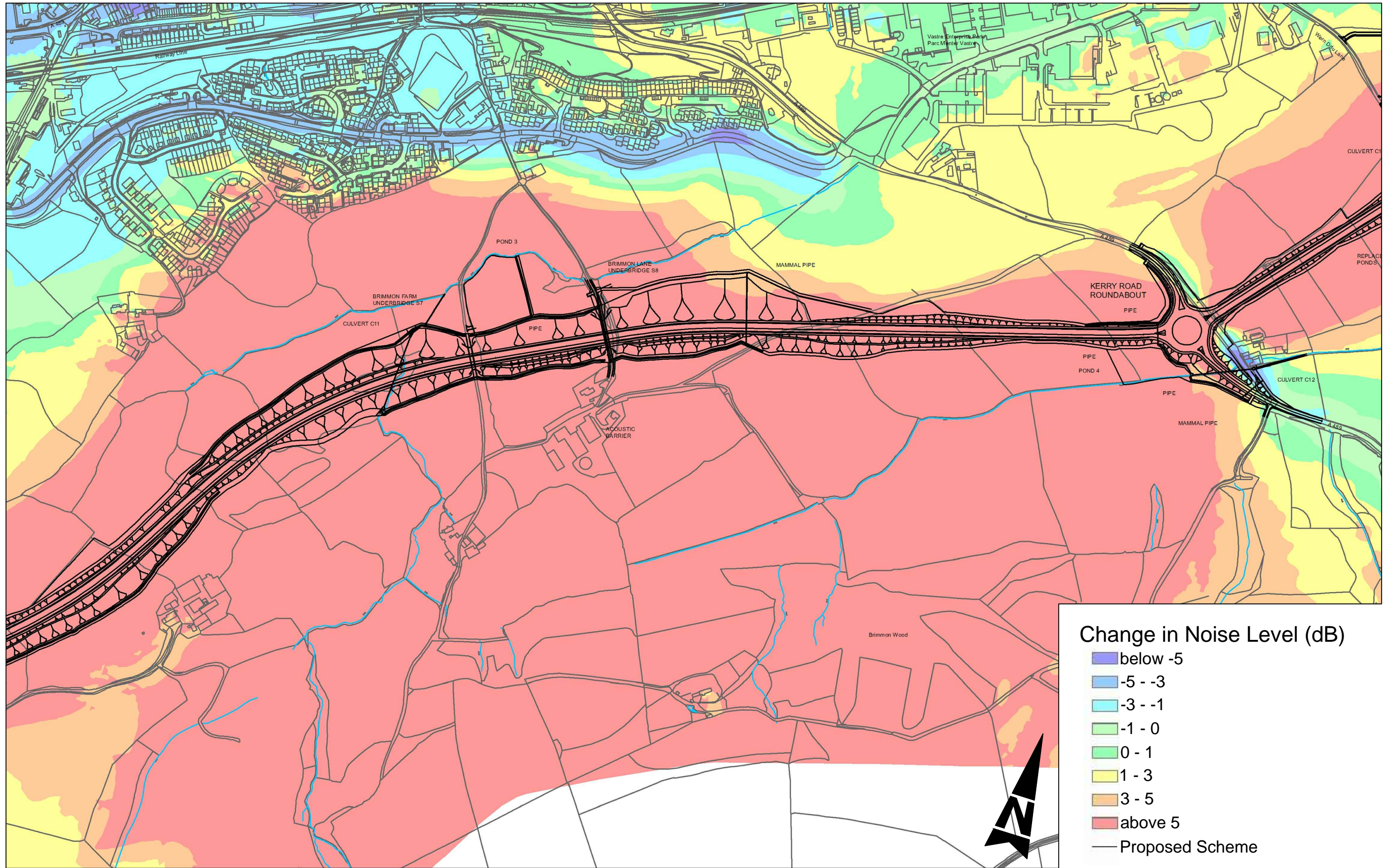
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Job Title
A483/A489
Newtown Bypass

Drawing Title
Environmental Statement
Noise and Vibration
Change to noise level with mitigation (2017)
Sheet 2 of 4

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.4b
		Issue	-



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Change to noise level with mitigation (2017)
Sheet 3 of 4

Date

OCT 2014

Drawn by

JD

Scale at A3

Not to Scale

Checked

DP

Drawing Status

FINAL

Approved

TD

Job No

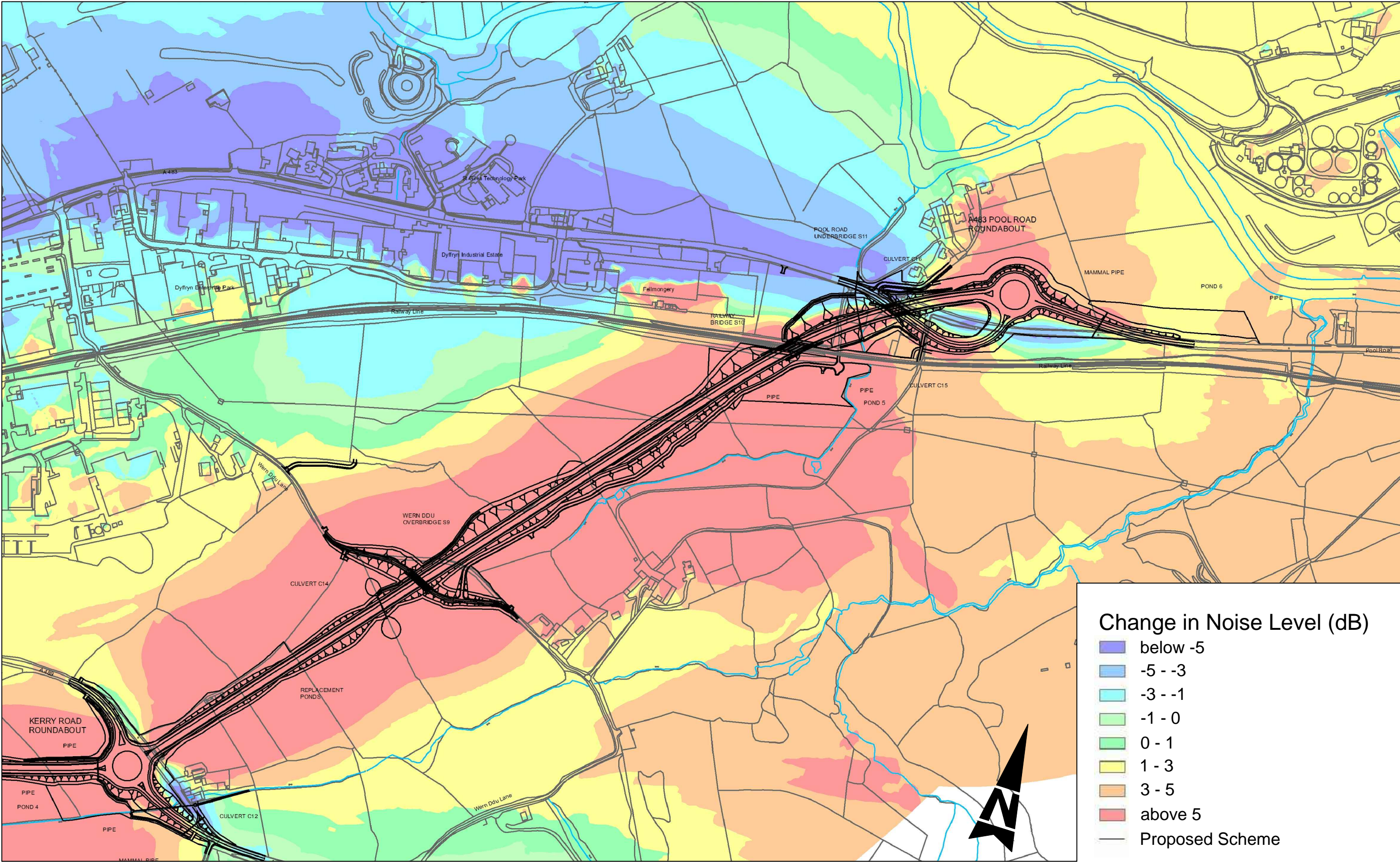
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Figure No

11.4c

Issue

-



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Environmental Statement
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Change to noise level with mitigation (2017)
Sheet 4 of 4

Date

OCT 2014

Drawn by

JD

Scale at A3

Not to Scale

Checked

DP

Drawing Status

FINAL

Approved

TD

Job No

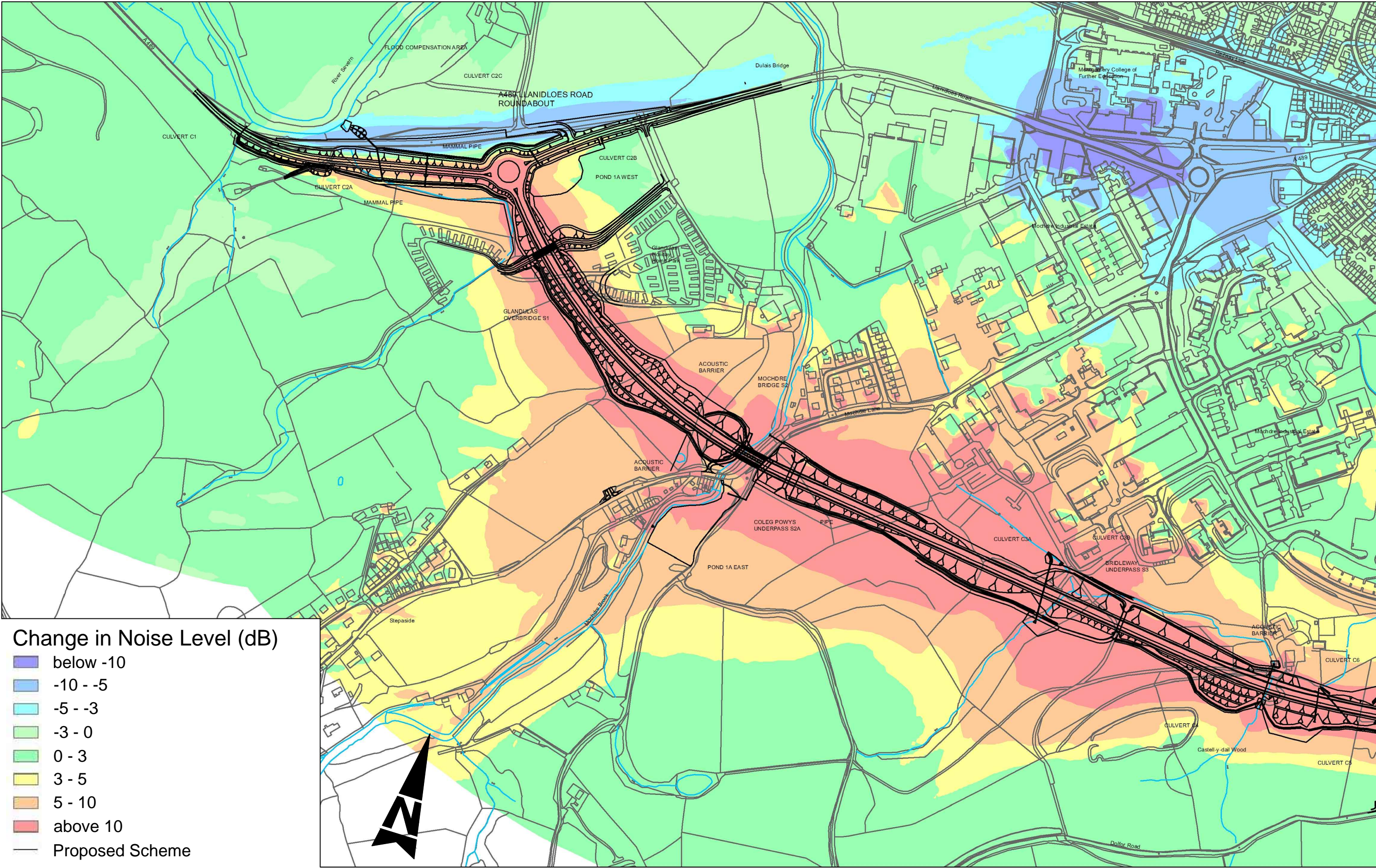
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Figure No

11.4d

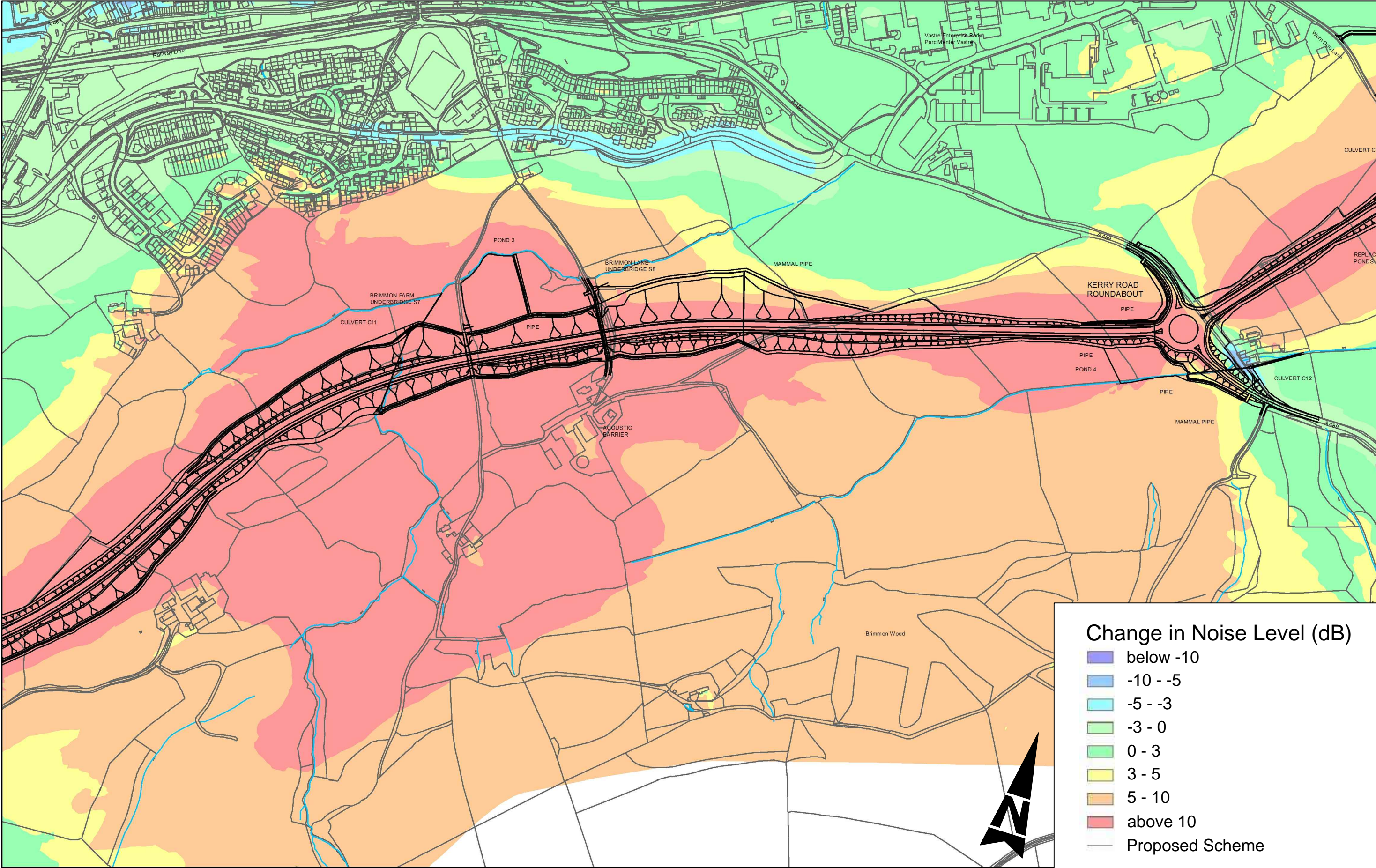
Issue

-



Change in Noise Level (dB)

- below -10
- 10 - -5
- 5 - -3
- 3 - 0
- 0 - 3
- 3 - 5
- 5 - 10
- above 10
- Proposed Scheme



Change in Noise Level (dB)

- below -10
- 10 - -5
- 5 - -3
- 3 - 0
- 0 - 3
- 3 - 5
- 5 - 10
- above 10

Proposed Scheme

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CAPITA

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Drawing Title

Environmental Statement
Noise and Vibration
Change to noise level with mitigation (2032)
Sheet 3 of 4

Date

OCT 2014

Drawn by

JD

Scale at A3

Not to Scale

Checked

DP

Drawing Status

FINAL

Approved

TD

Job No

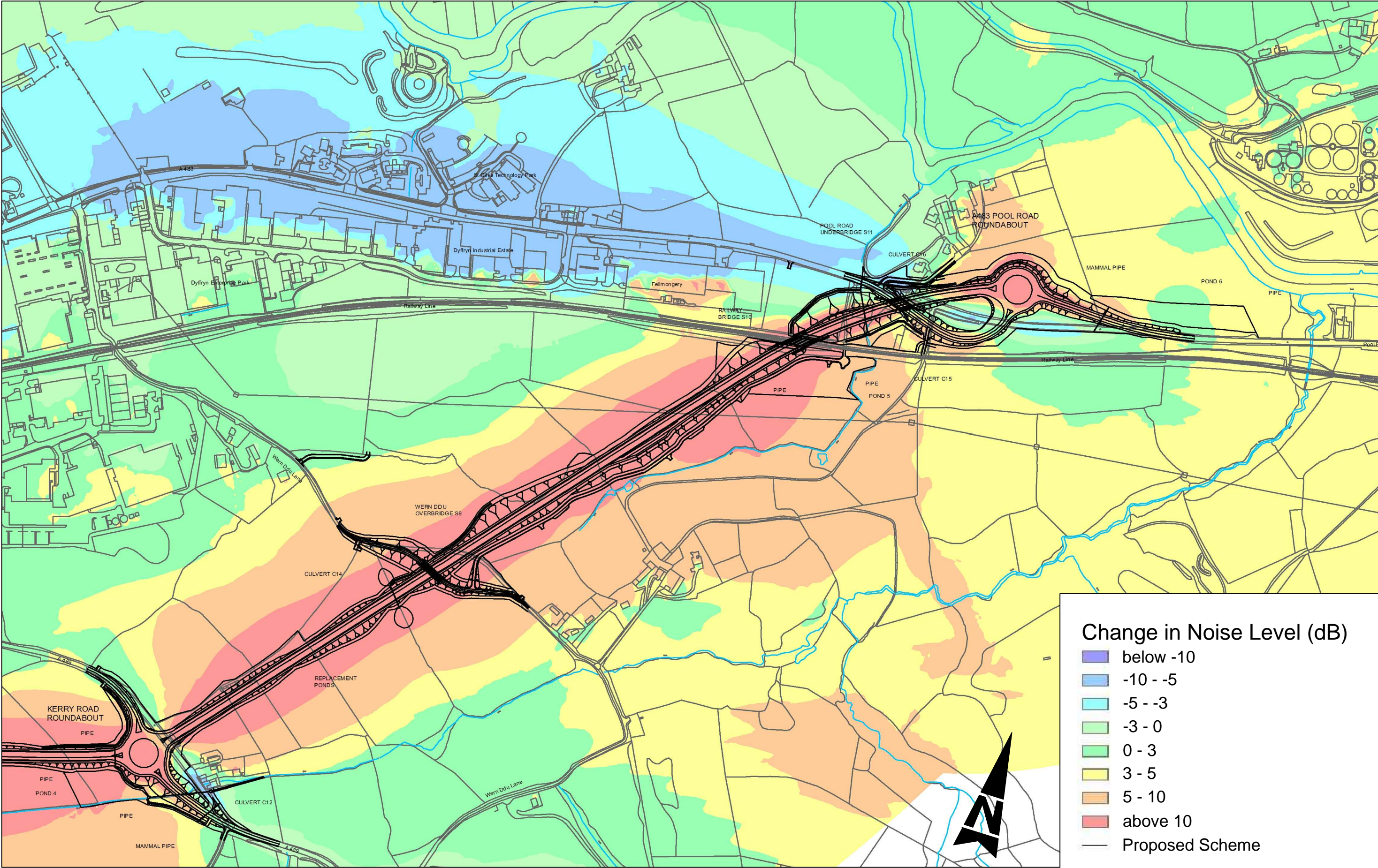
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Figure No

11.5c

Issue

-



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Drawing Title
Environmental Statement
Noise and Vibration
Change to noise level with mitigation (2032)
Sheet 4 of 4

Date	OCT 2014	Drawn by	JD
Scale at A3	Not to Scale	Checked	DP
Drawing Status	FINAL	Approved	TD
Job No	60597	Figure No	11.5d
		Issue	-