

M3 Junction 9 Improvement

Scheme Number: TR010055

6.2 Environmental Statement Chapter 11 Noise and Vibration - Figures

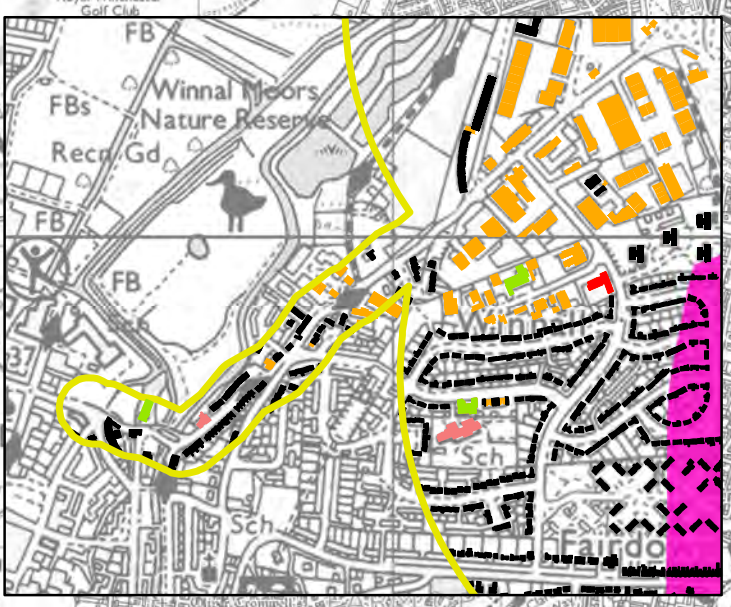
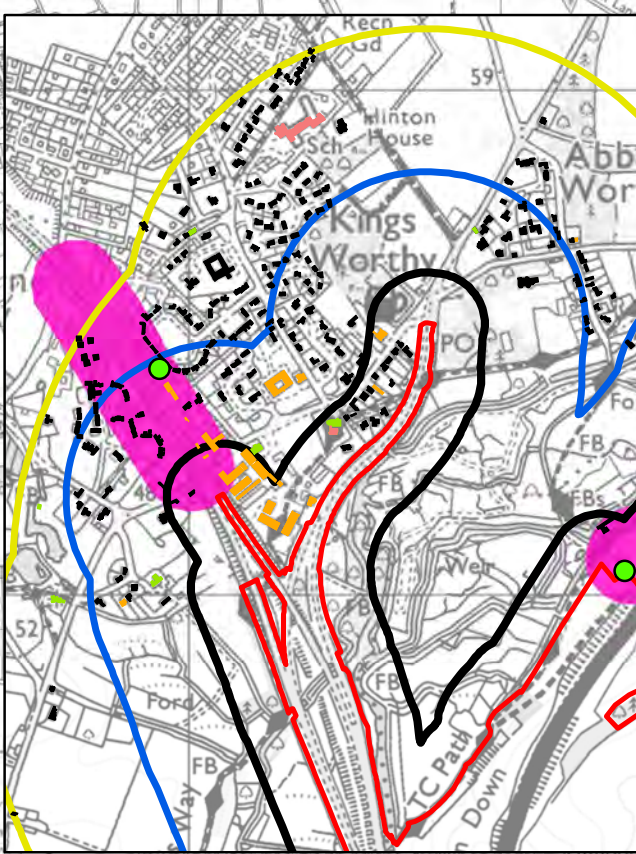
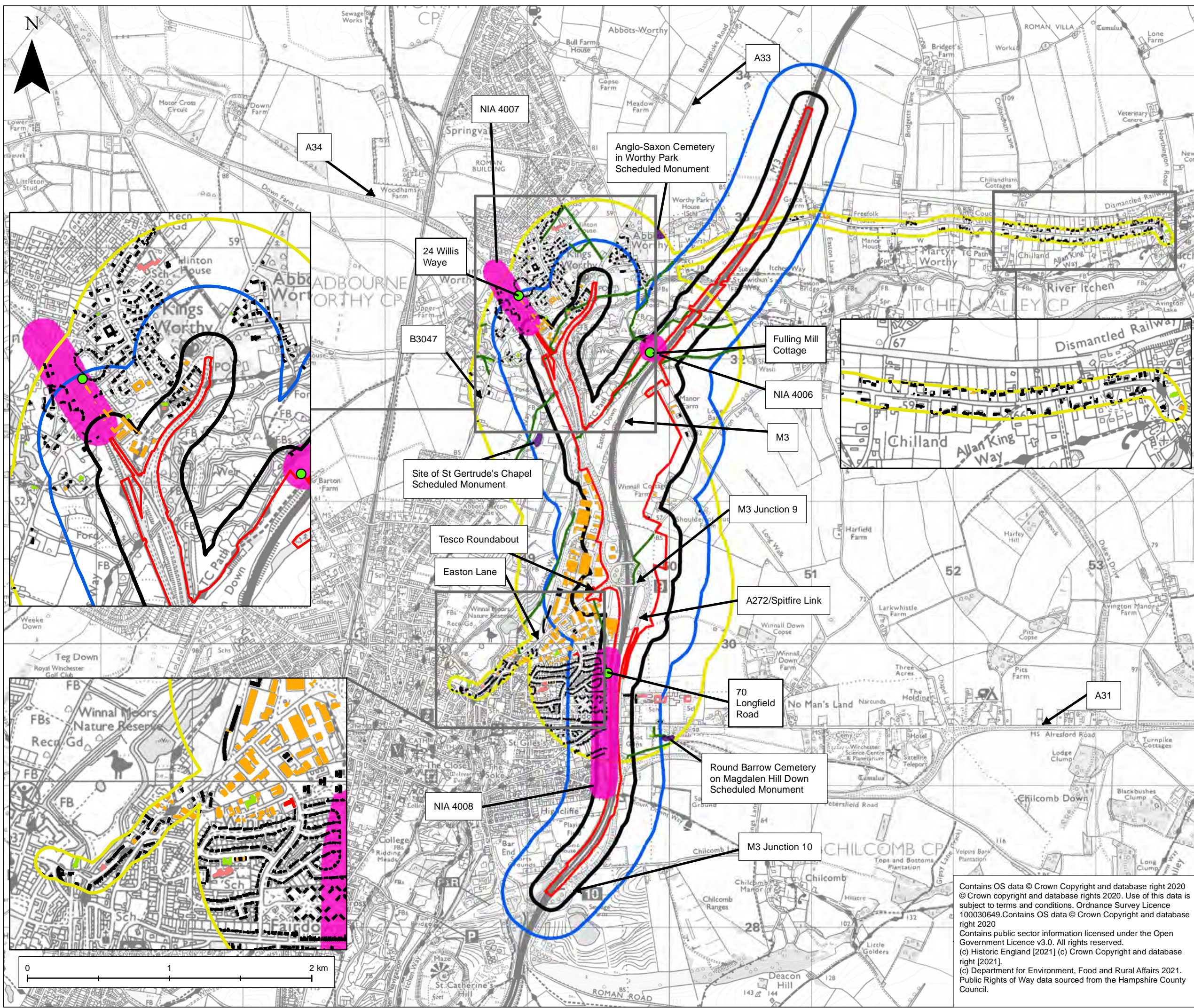
APFP Regulation 5(2)(a)

Planning Act 2008

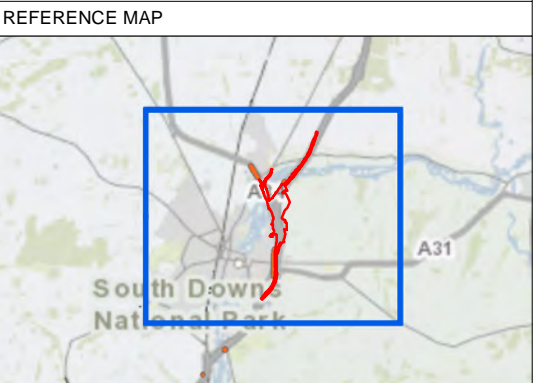
**Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009**

Volume 6

November 2022



- NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.
- Application Boundary
 - Noise Important Area
 - Study Area for Construction Noise (300m from Application Boundary)
 - Study Area for Construction Vibration (100m from Application Boundary)
 - Study Area for Operational Noise (600m from roads being modified, and 50m from roads experiencing 1dBA change in Opening Year)
 - Noise Monitoring Location
 - Residential Dwellings
 - Commercial Buildings
 - Community Uses Buildings
 - Educational Buildings
 - Healthcare Buildings
 - Scheduled Monuments
 - Public Rights of Way



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PROJECT TITLE
M3 JUNCTION 9 IMPROVEMENT SCHEME

PROJECT STAGE
PCF STAGE 3

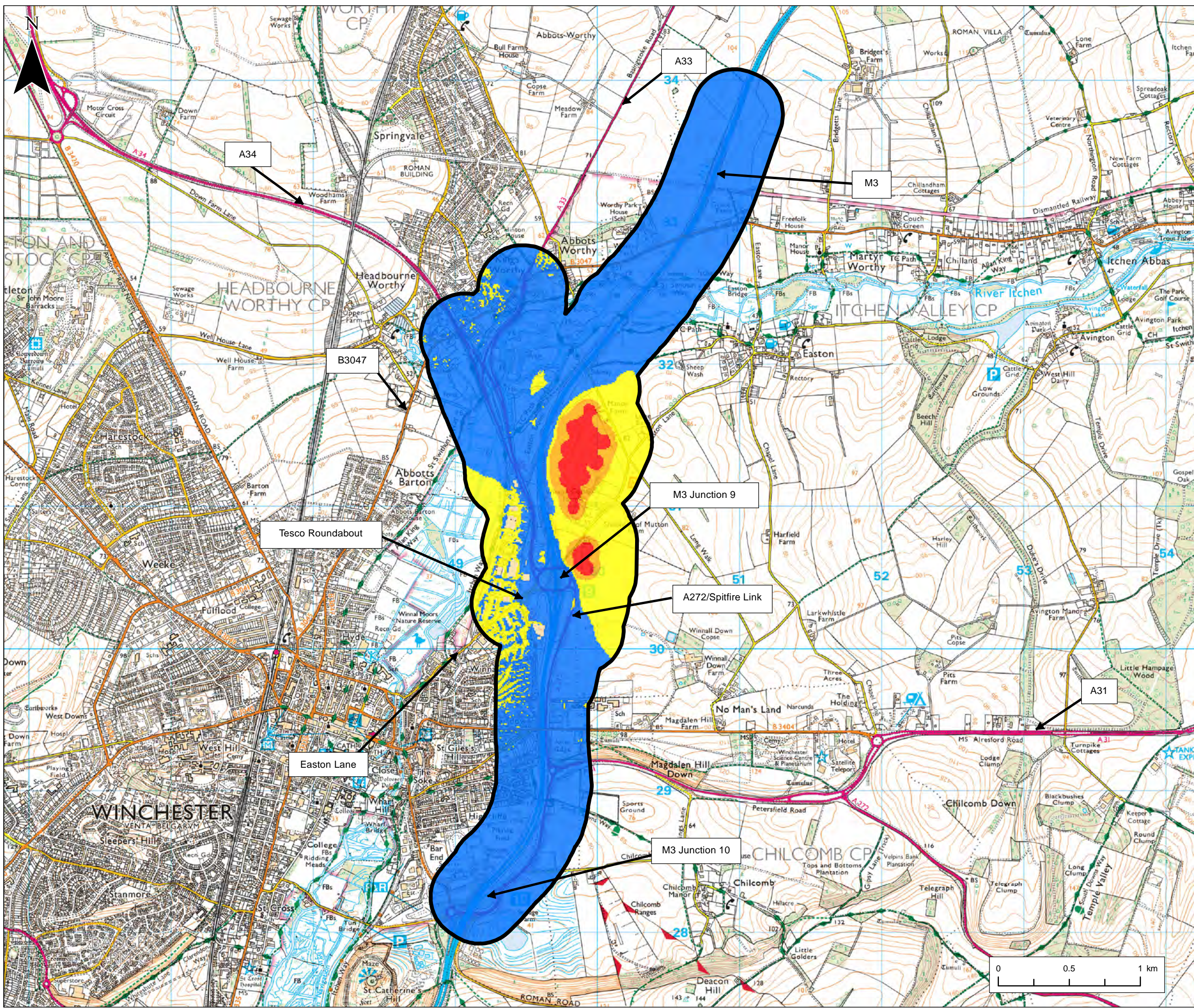
DRAWING TITLE
FIGURE 11.1 - NOISE AND VIBRATION: M3 JUNCTION 9 NOISE STUDY AREAS, NOISE MEASUREMENT LOCATIONS AND RECEPTORS
AFPP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:25,000 STATUS: REV 0

DRAWING NUMBER
HE551511-VFK-ENV-X_XXXXX_XX_DR_LA_0100

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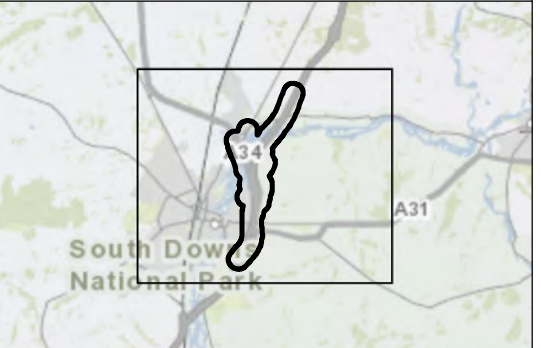


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Study Area for Construction Noise, 300m from Application Boundary**
- Magnitude of Adverse**
- Major
 - Moderate
 - Minor
 - Negligible

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DESIGNER
Stantec

CONTRACTOR
VolkerFitzpatrick

CLIENT
national highways

PROJECT TITLE
M3 JUNCTION 9 IMPROVEMENT SCHEME

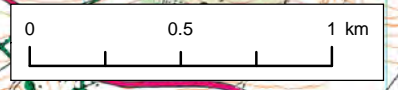
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PCF STAGE 3

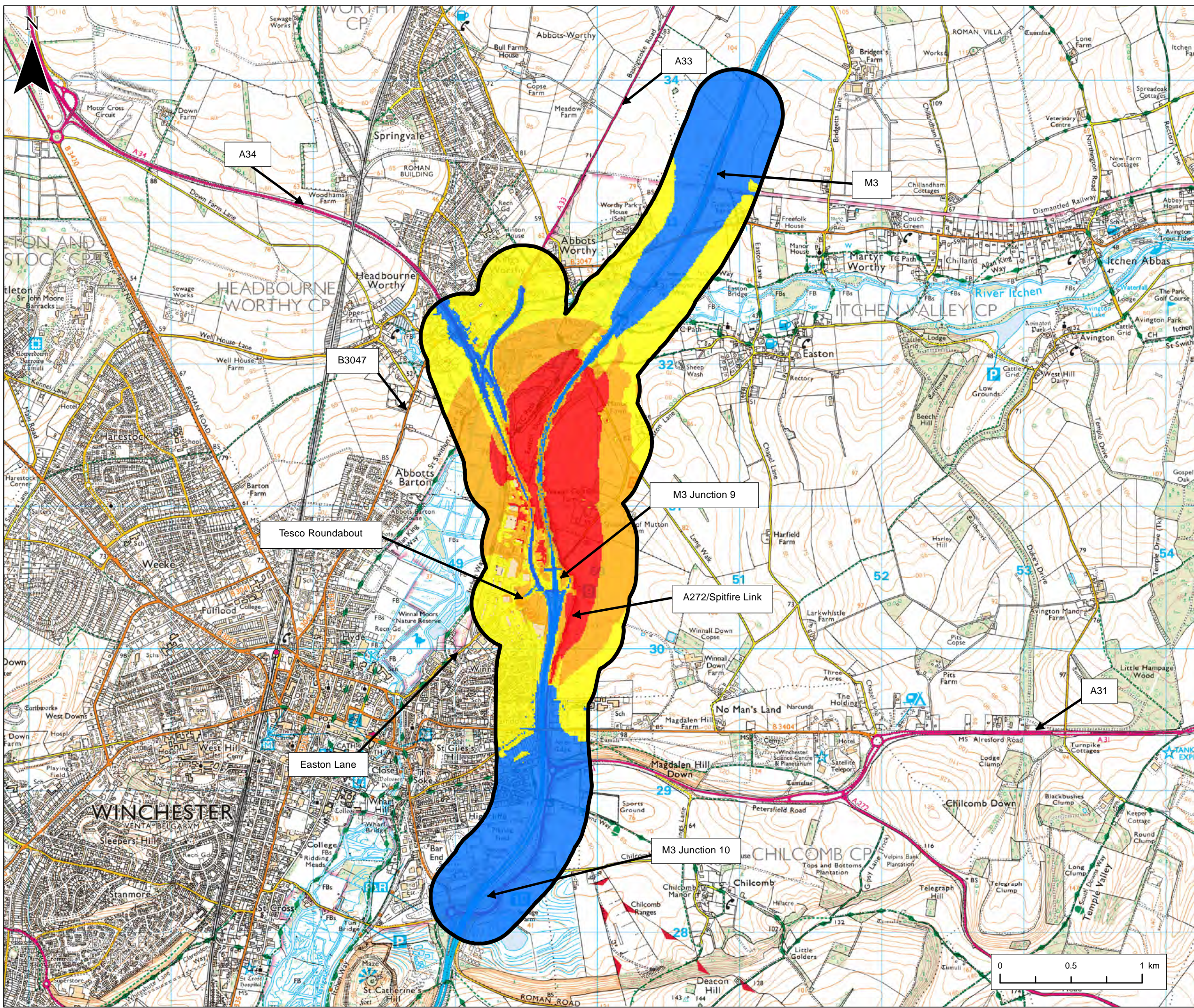
DRAWING TITLE
FIGURE 11.2
PHASE 0 - DAYTIME CONSTRUCTION NOISE IMPACTS
APFP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:25,000 STATUS: REV 0

DRAWING NUMBER
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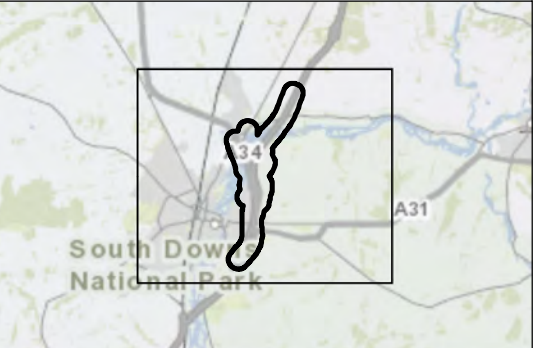


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Study Area for Construction Noise, 300m from Application Boundary
- Magnitude of Adverse Impact**
- Major
- Moderate
- Minor
- Negligible

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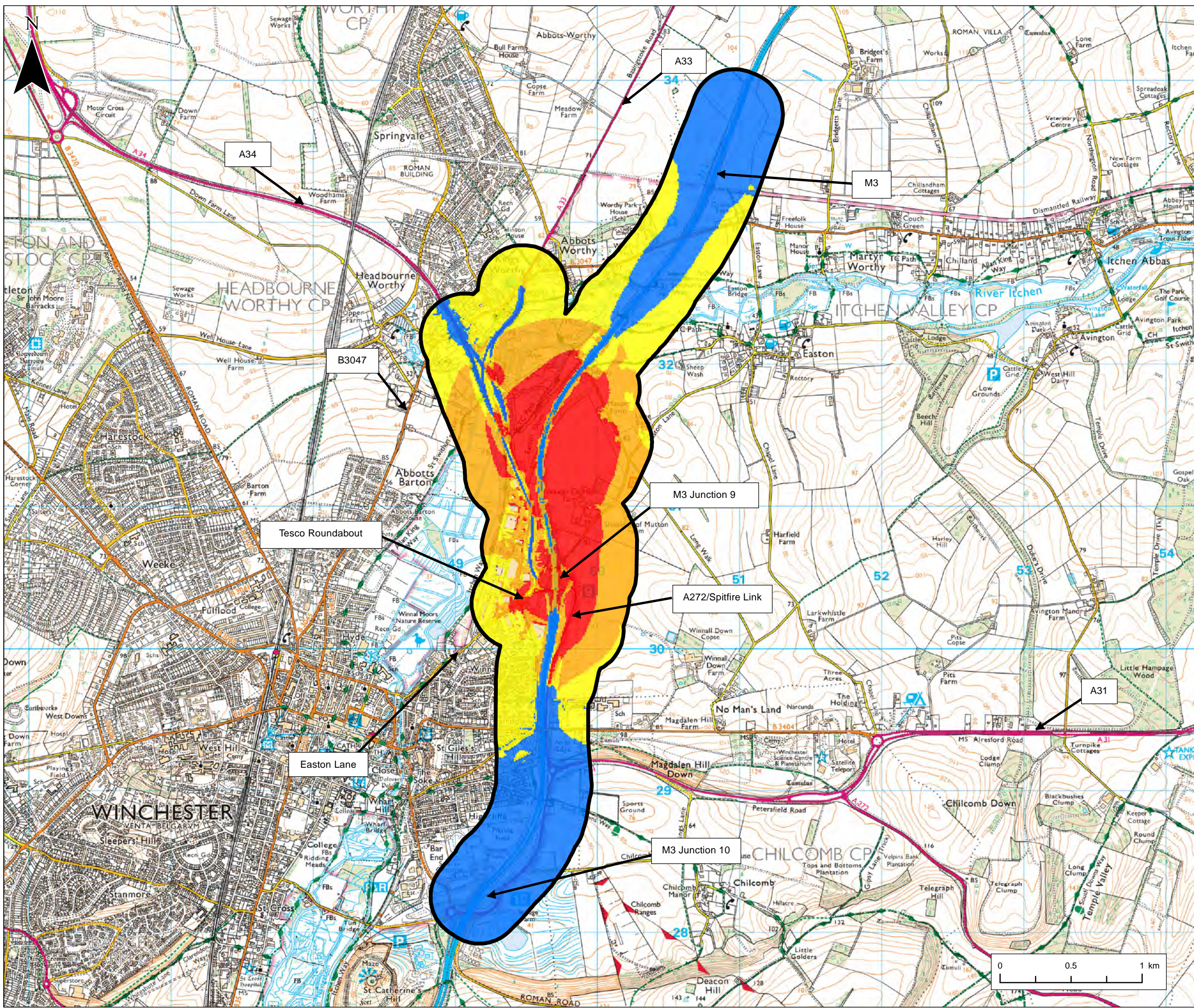
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.3
PHASE 1 - DAYTIME CONSTRUCTION NOISE IMPACTS
APFP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:25,000 STATUS: REV 0

DRAWING NUMBER
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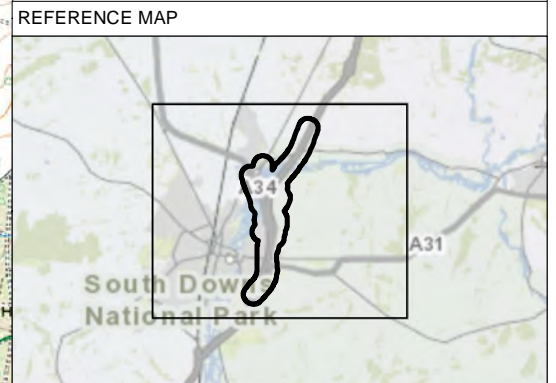
NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Study Area for Construction Noise, 300m from Application Boundary

Magnitude of Adverse Impact

- Major
- Moderate
- Minor
- Negligible

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M3 JUNCTION 9 IMPROVEMENT SCHEME

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FIGURE 11.4
 PHASE 1A - DAYTIME CONSTRUCTION NOISE IMPACTS
 APPFP REGULATION 5(2)(a)
 DOCUMENT REFERENCE 6.2

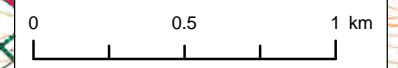
SUITABILITY

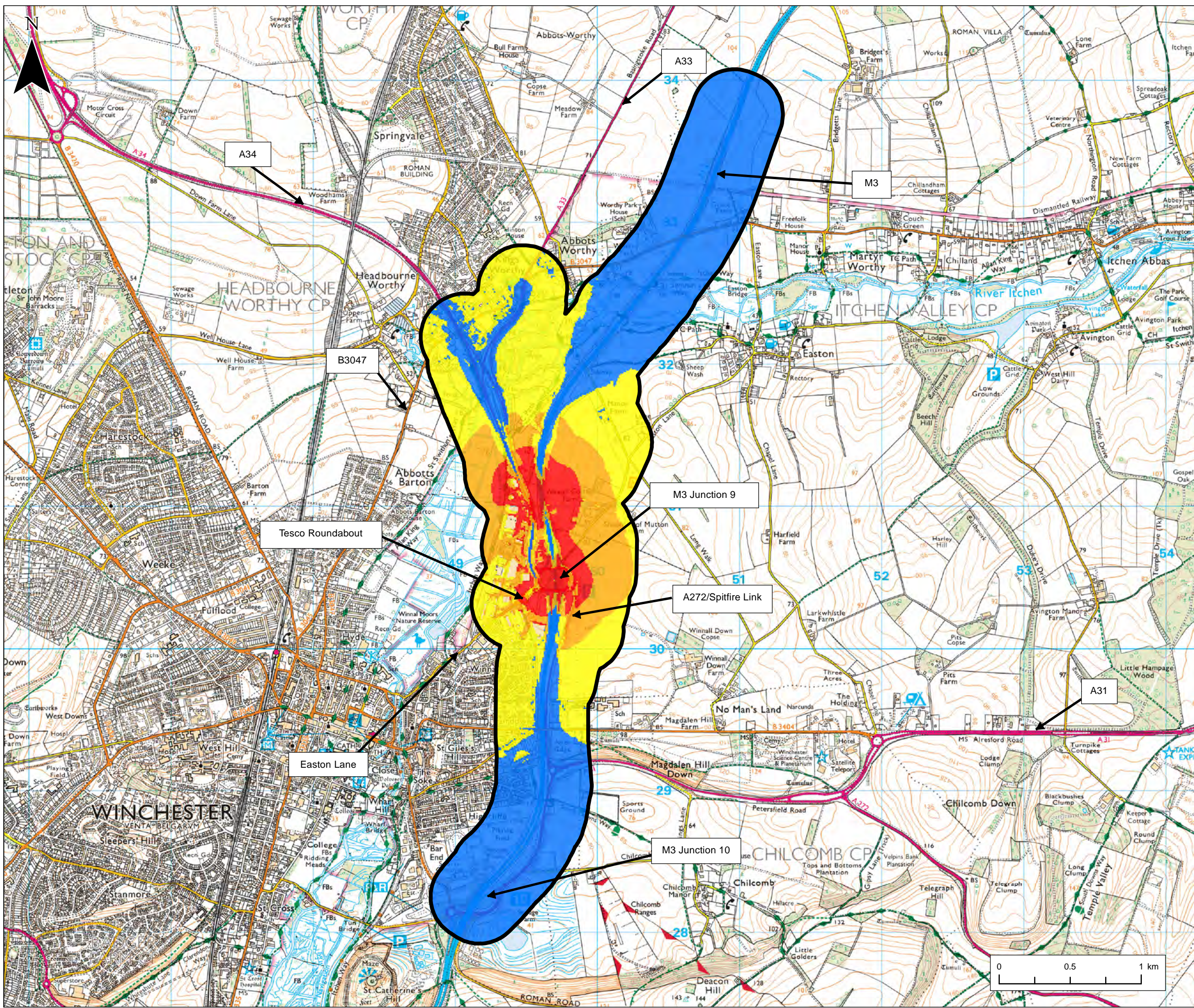
APPLICATION SUBMISSION

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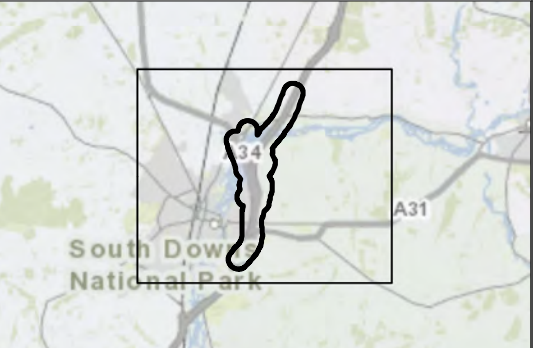


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Study Area for Construction Noise, 300m from Application Boundary
- Magnitude of Adverse Impact**
- Major
- Moderate
- Minor
- Negligible

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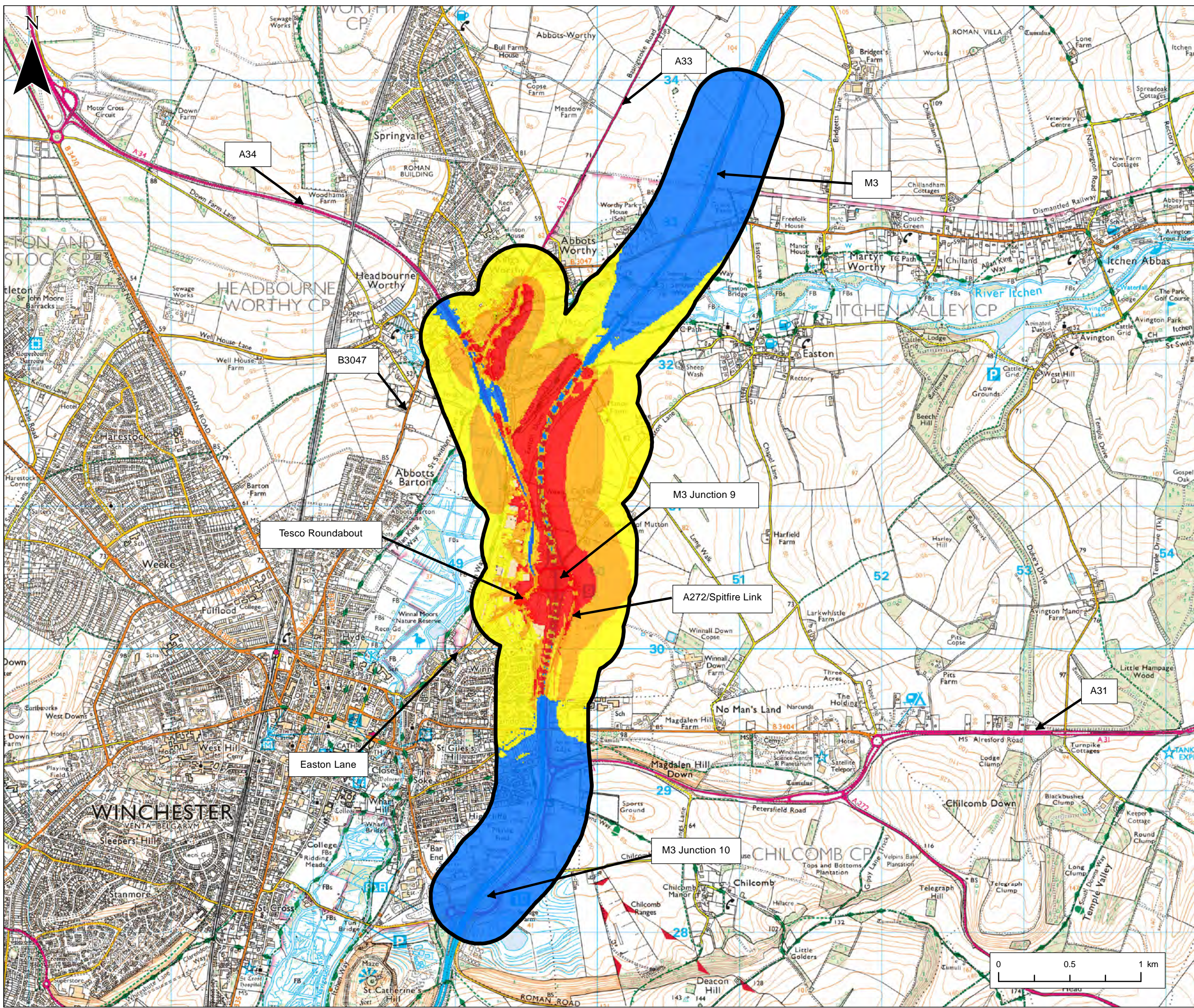
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.5
PHASE 1B - DAYTIME CONSTRUCTION NOISE IMPACTS
APFP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:25,000 STATUS: REV 0

DRAWING NUMBER
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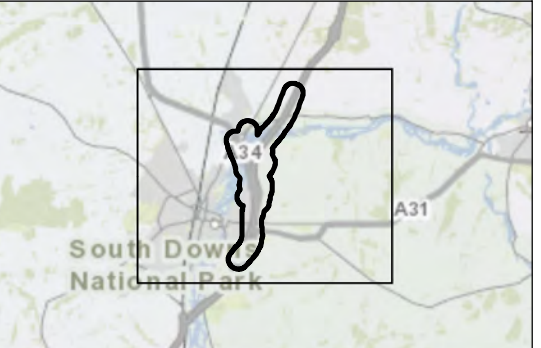


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Study Area for Construction Noise, 300m from Application Boundary
- Magnitude of Adverse Impact**
- Major
- Moderate
- Minor
- Negligible

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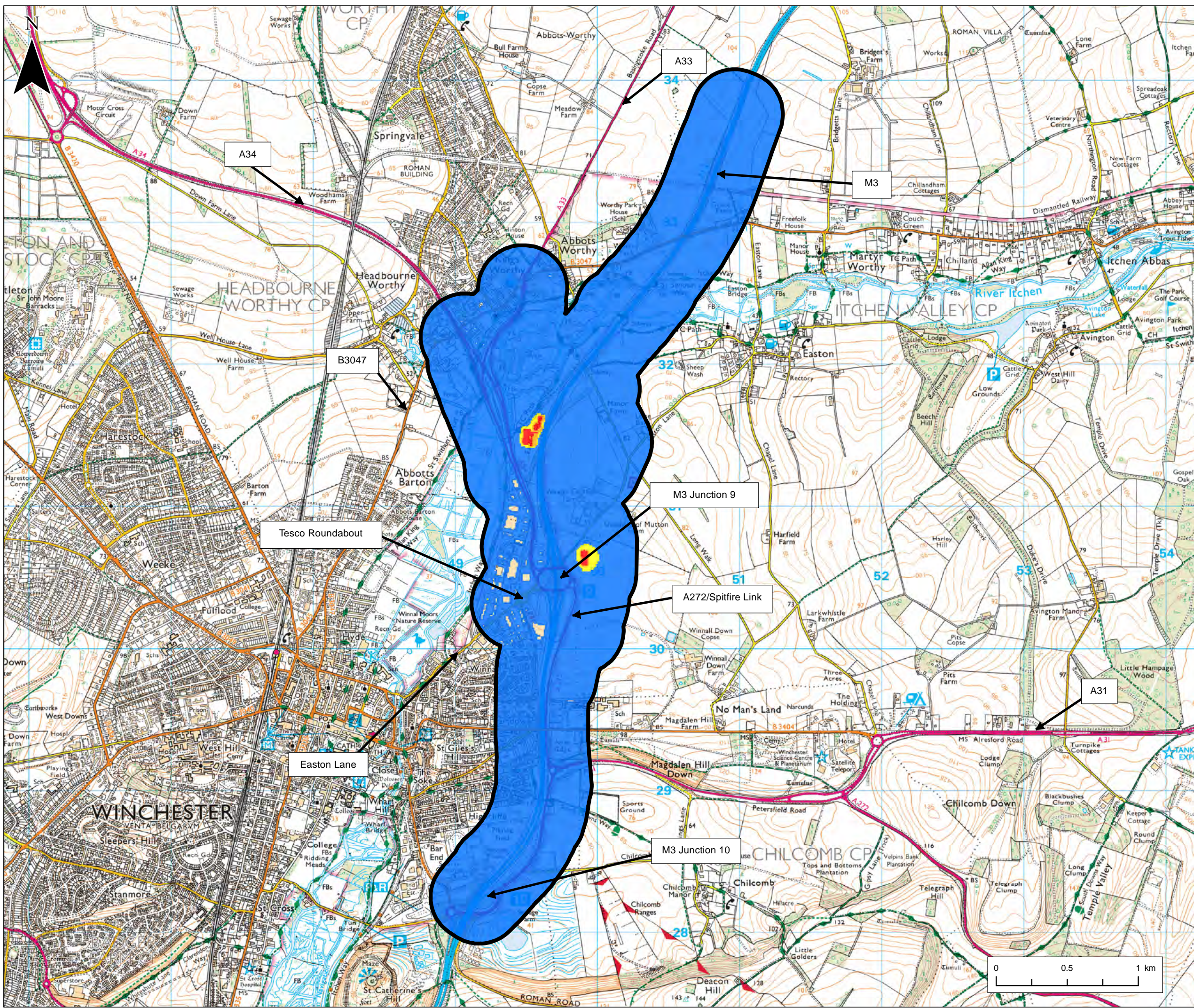
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.6
PHASE 2 - DAYTIME CONSTRUCTION NOISE IMPACTS
APFP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

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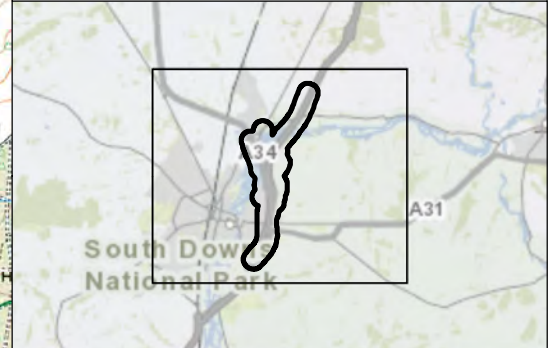


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Study Area for Construction Noise, 300m from Application Boundary
- Magnitude of Adverse Impact**
- Major
- Moderate
- Minor
- Negligible

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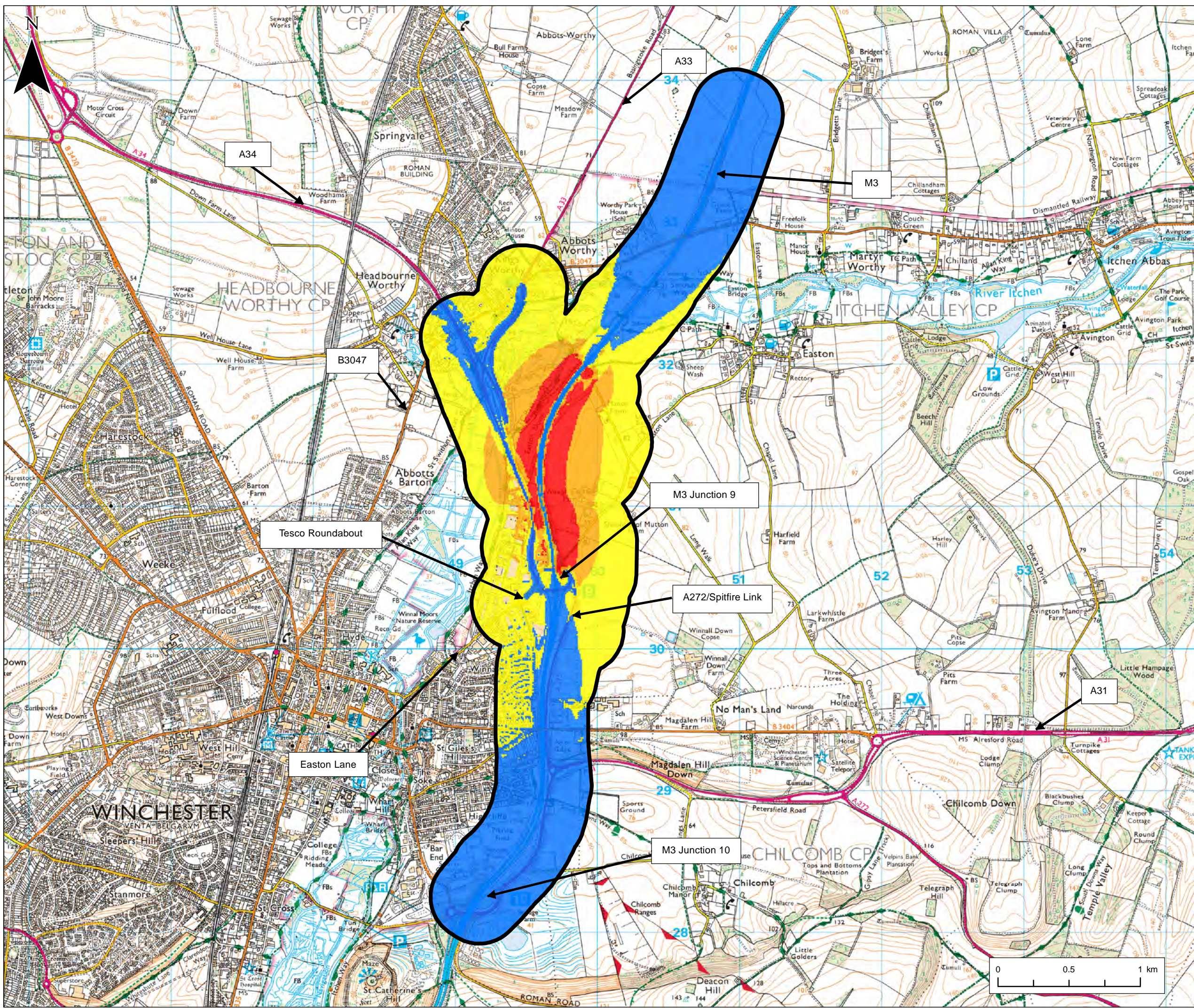
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.7
PHASE 3 - DAYTIME CONSTRUCTION NOISE IMPACTS
APFP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

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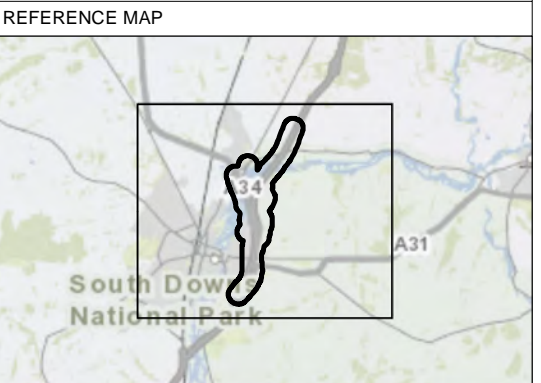
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NOTES
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- Study Area for Construction Noise, 300m from Application Boundary**
- Magnitude of Adverse Impact**
- Major
 - Moderate
 - Minor
 - Negligible

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DRAWING TITLE

FIGURE 11.8
PHASE 3A - DAYTIME CONSTRUCTION NOISE IMPACTS
APFP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

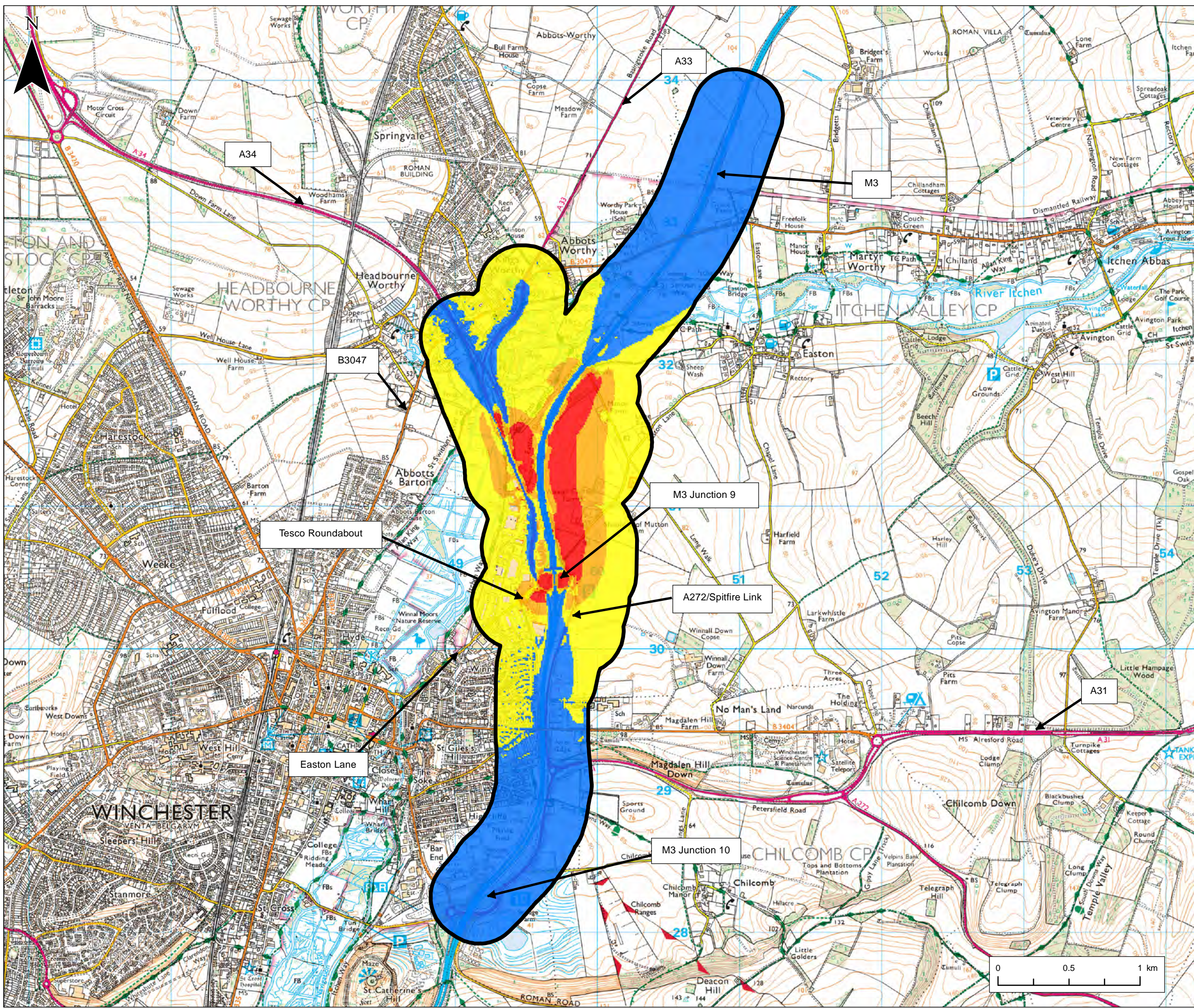
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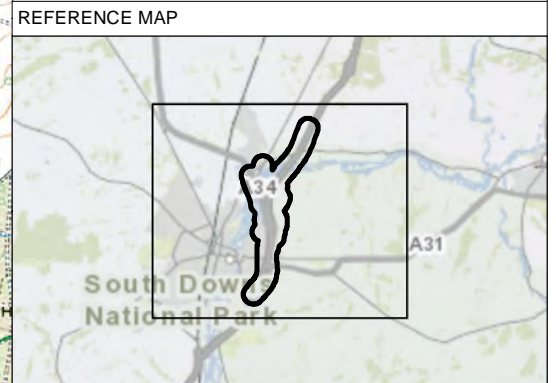
NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Study Area for Construction Noise, 300m from Application Boundary

Magnitude of Adverse Impact

- Major
- Moderate
- Minor
- Negligible

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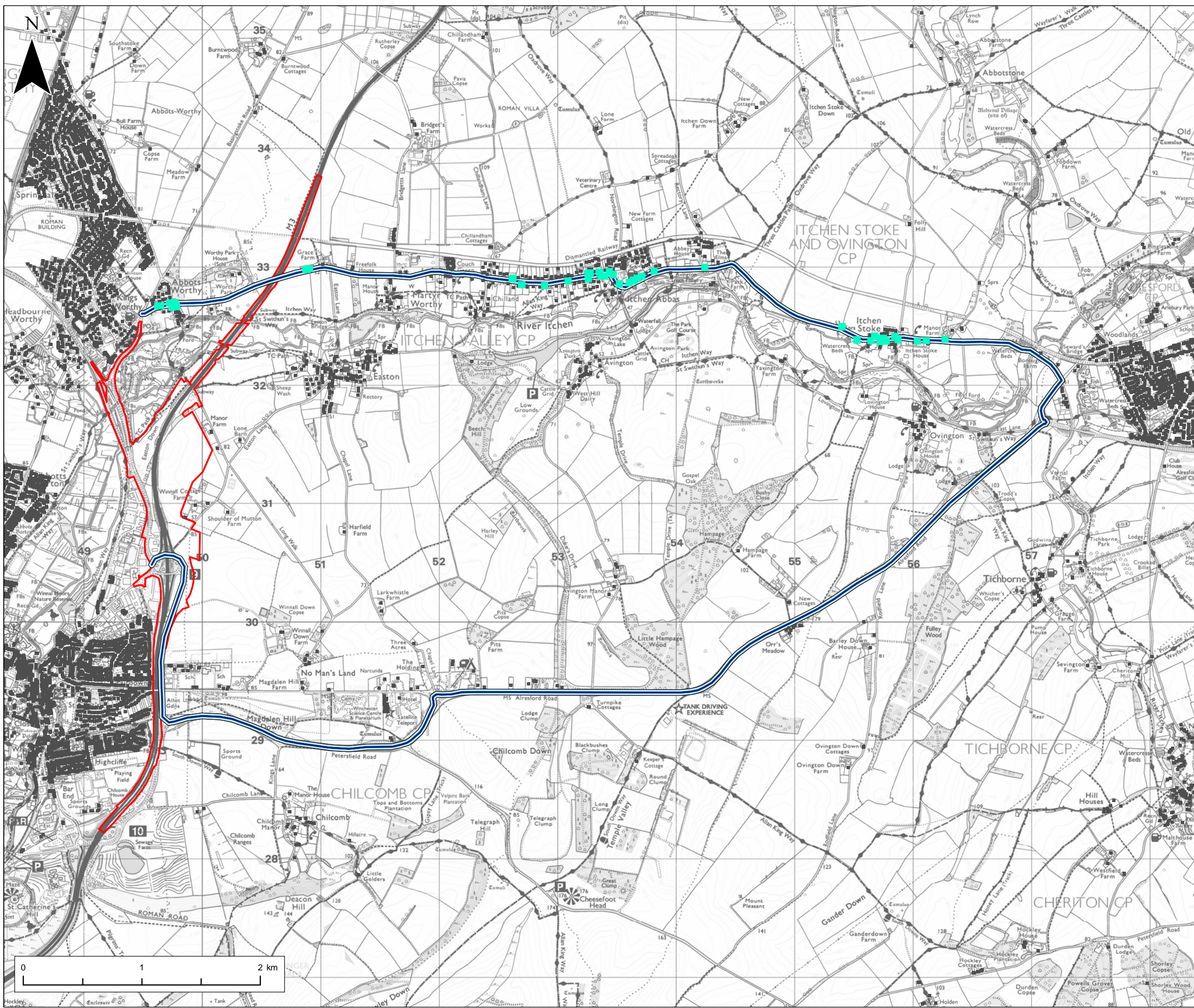
PROJECT STAGE
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DRAWING TITLE
 FIGURE 11.9
 PHASE 3B - DAYTIME CONSTRUCTION NOISE IMPACTS
 APPF REGULATION 5(2)(a)
 DOCUMENT REFERENCE 6.2

SUITABILITY
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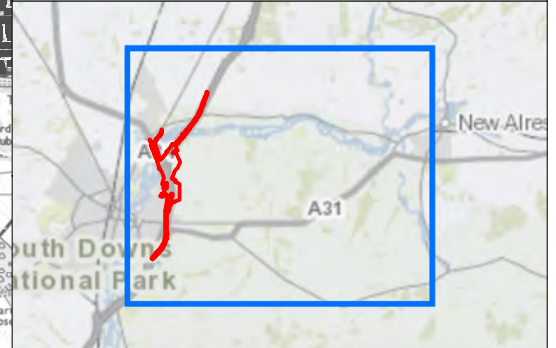
NOTES
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Legend

- Application Boundary
- A33 Northbound Diversion
- 25m Buffer From A33
- Northbound Diversion
- Dwellings
- Dwellings (53) Within 25m of Diversion Route

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M3 JUNCTION 9 IMPROVEMENT SCHEME

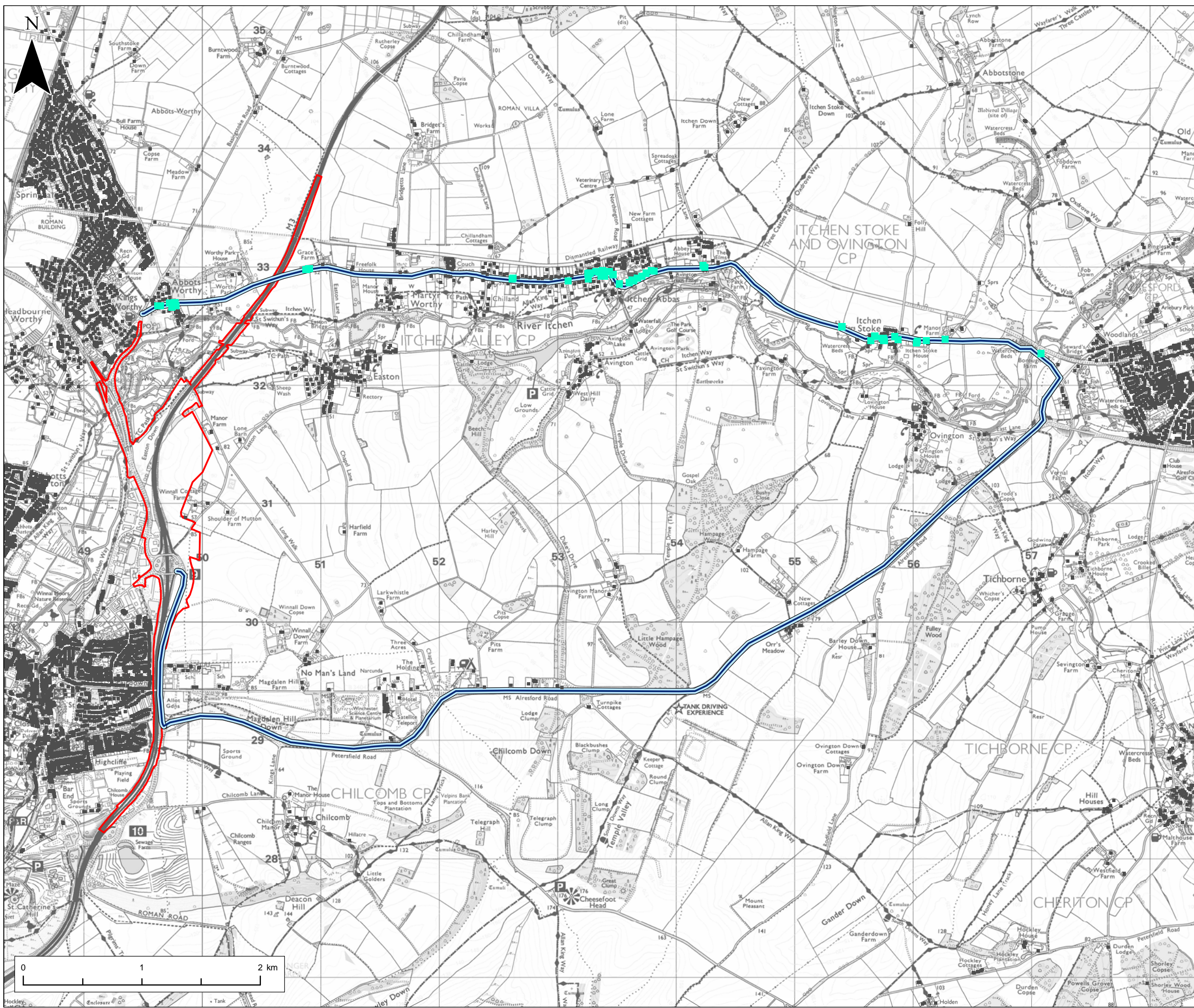
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.10 - NOISE AND VIBRATION: A33 NORTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

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HE551511-VFK-ENV-X_XXXXX_XX_DR_LA_0109



NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Legend

- Application Boundary
- A33 Southbound Diversion
- 25m Buffer From A33 Southbound Diversion
- Dwellings
- Dwellings (56) Within 25m of Diversion Route

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PROJECT TITLE
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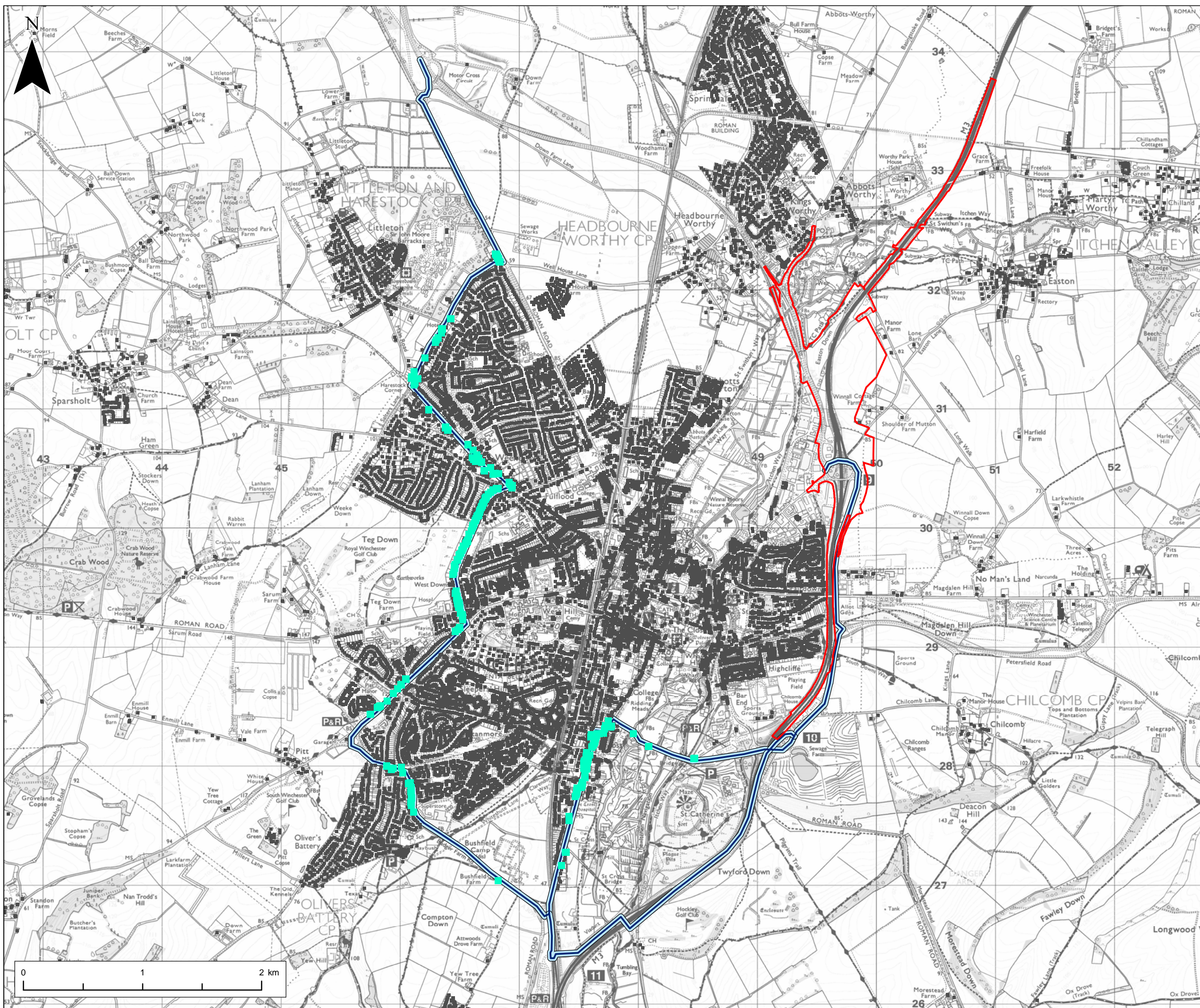
PROJECT STAGE
 PCF STAGE 3

DRAWING TITLE
 FIGURE 11.11 - NOISE AND VIBRATION: A33 SOUTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
 APPLICATION SUBMISSION

SHEET SIZE: A3 **SCALE:** 1:30,000 **STATUS:** REV 0

DRAWING NUMBER
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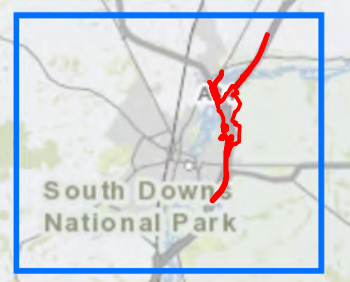


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Legend**
- Application Boundary
 - A34 Northbound Diversion
 - 25m Buffer From A34
 - Dwellings
 - Dwellings (267) Within 25m of Diversion Route

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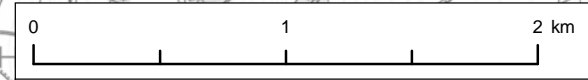
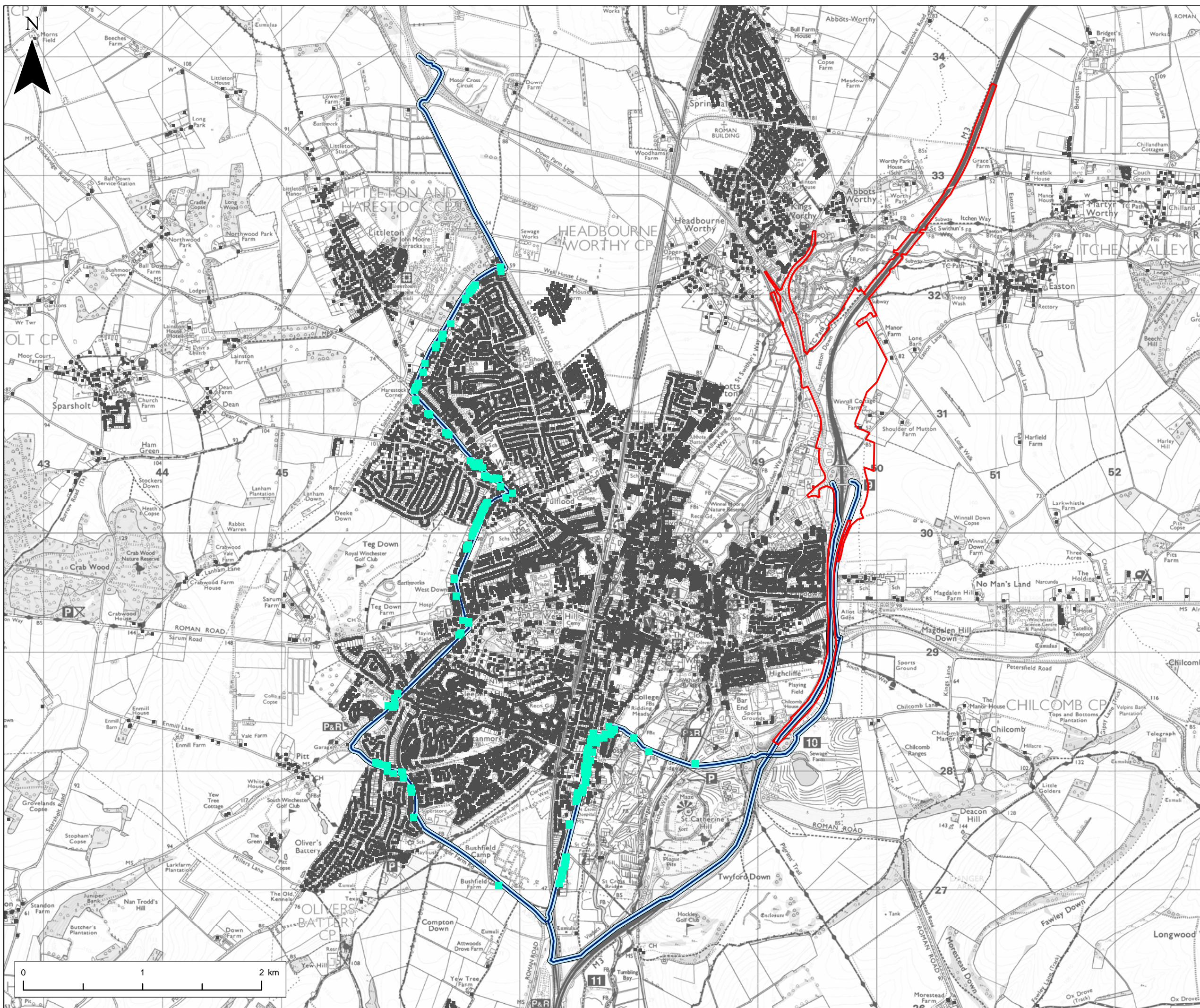
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.12 - NOISE AND VIBRATION: A34 NORTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:30,000 STATUS: REV 0

DRAWING NUMBER
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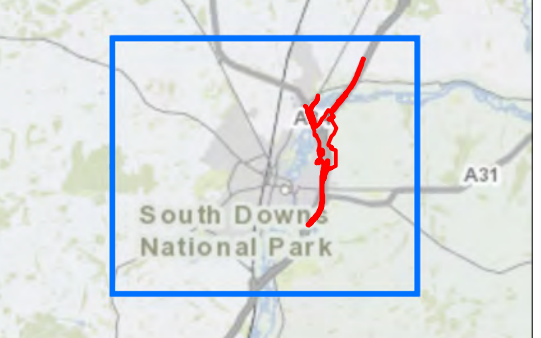


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Legend**
- Application Boundary
 - A34 Southbound Diversion
 - 25m Buffer From A34
 - Dwellings
 - Dwellings (210) Within 25m of Diversion Route

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M3 JUNCTION 9 IMPROVEMENT SCHEME

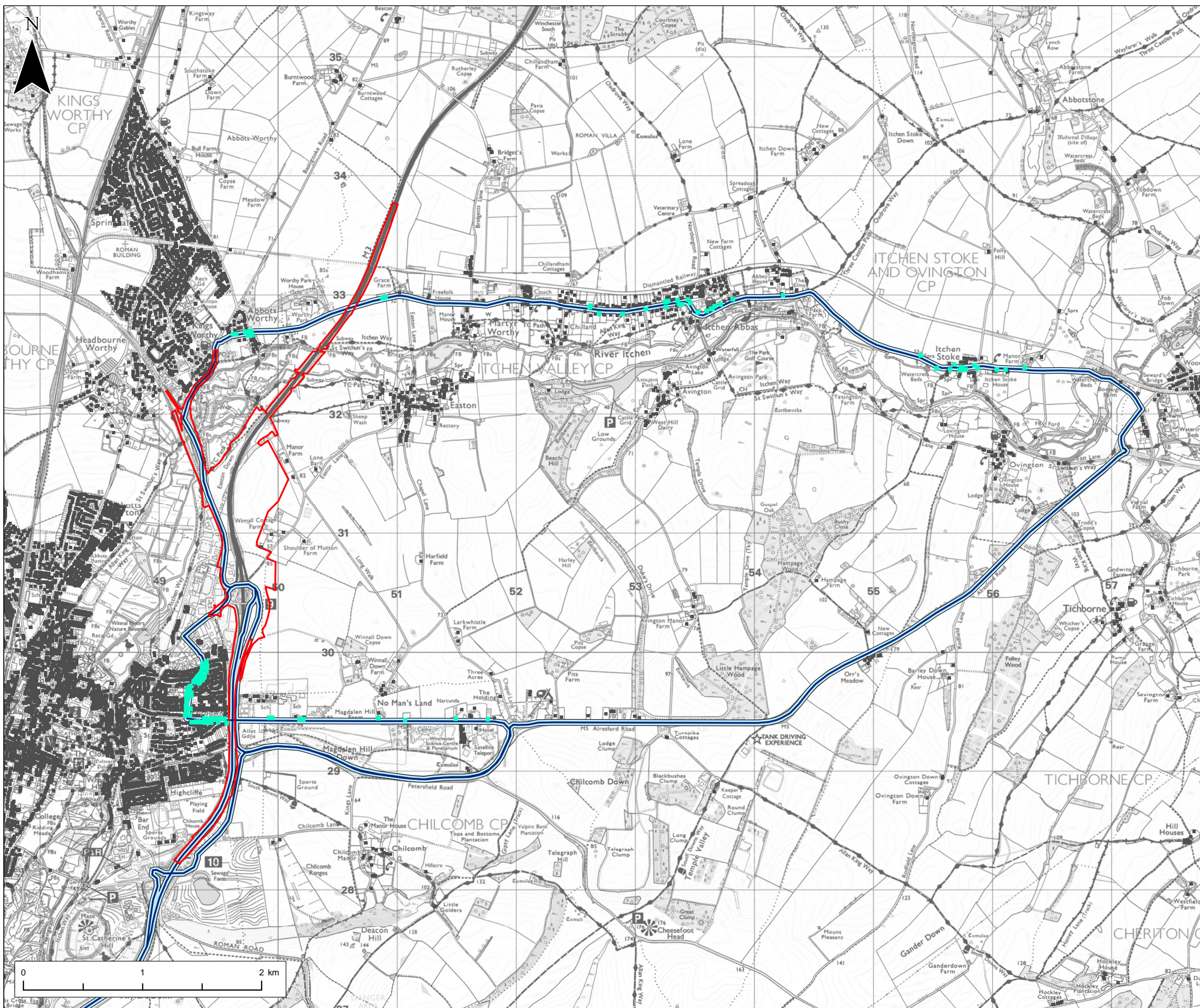
PROJECT STAGE
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DRAWING TITLE
FIGURE 11.13 - NOISE AND VIBRATION: A34 SOUTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:30,000 STATUS: REV 0

DRAWING NUMBER
HE551511-VFK-ENV-X_XXXXX_XX_DR_LA_0112



NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Legend**
- Application Boundary
 - A272/Spitfire Link Diversion
 - 25m Buffer A272/Spitfire Link Diversion
 - Dwellings
 - Dwellings (207) Within 25m of Diversion Route

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 M3 JUNCTION 9 IMPROVEMENT SCHEME

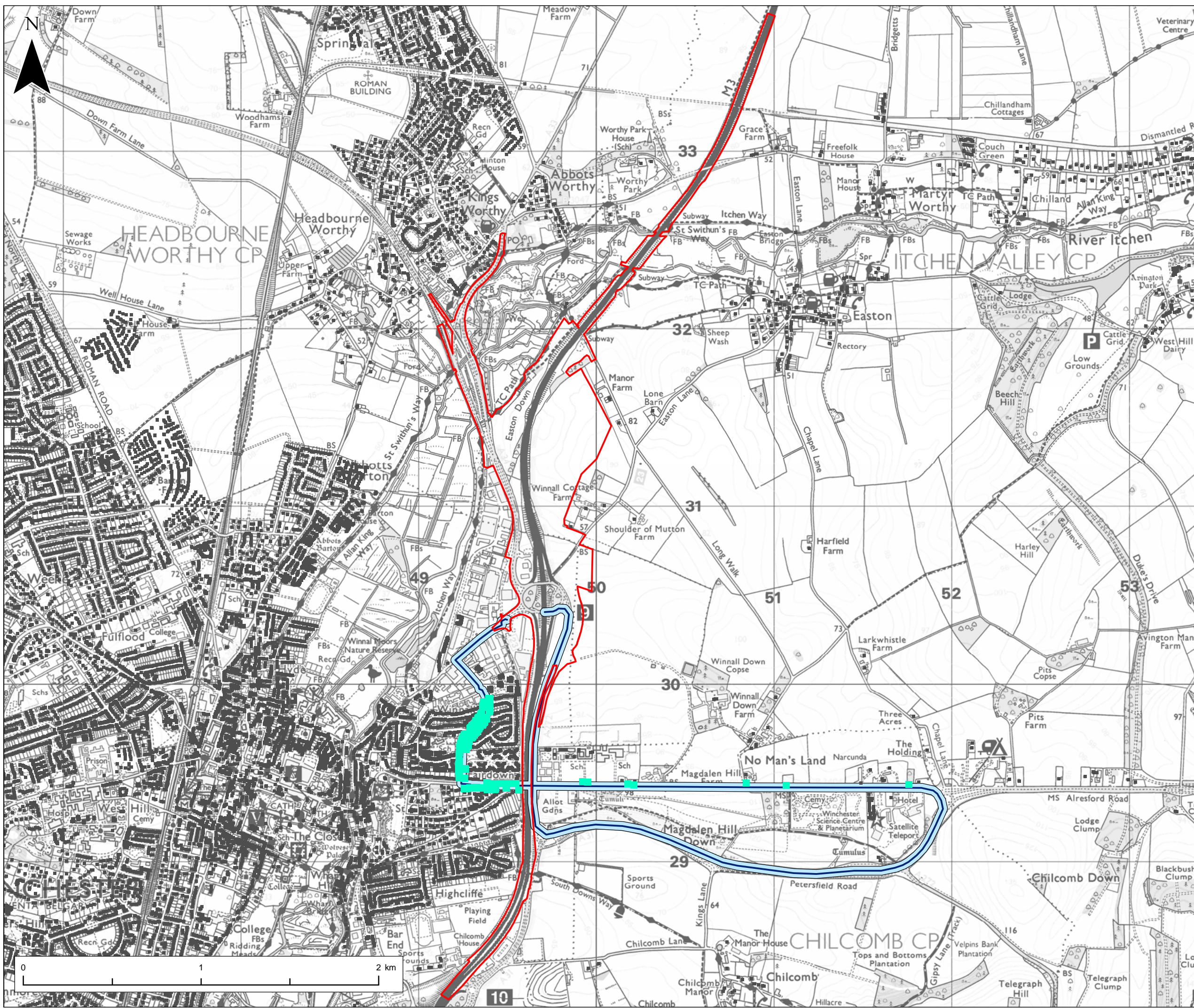
PROJECT STAGE
 PCF STAGE 3

DRAWING TITLE
 FIGURE 11.14 - NOISE AND VIBRATION: A27 SPITFIRE LINK DIVERSION NIGHT-TIME NOISE IMPACTS
 APFP REGULATION 5(2)(a)
 DOCUMENT REFERENCE 6.2

SUITABILITY
 APPLICATION SUBMISSION

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DRAWING NUMBER
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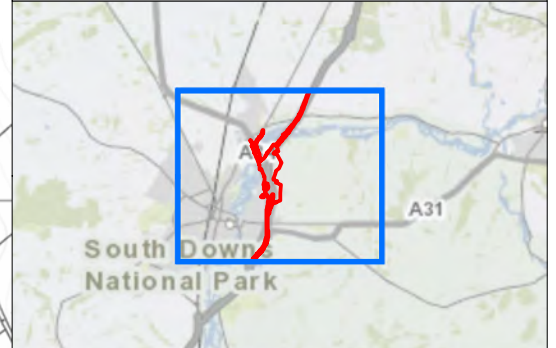
NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Legend

- Application Boundary
- Easton Lane Northbound Diversion
- 25m Buffer From Easton Lane Northbound Diversion
- Dwellings
- Dwellings (163) Within 25m of Diversion Route

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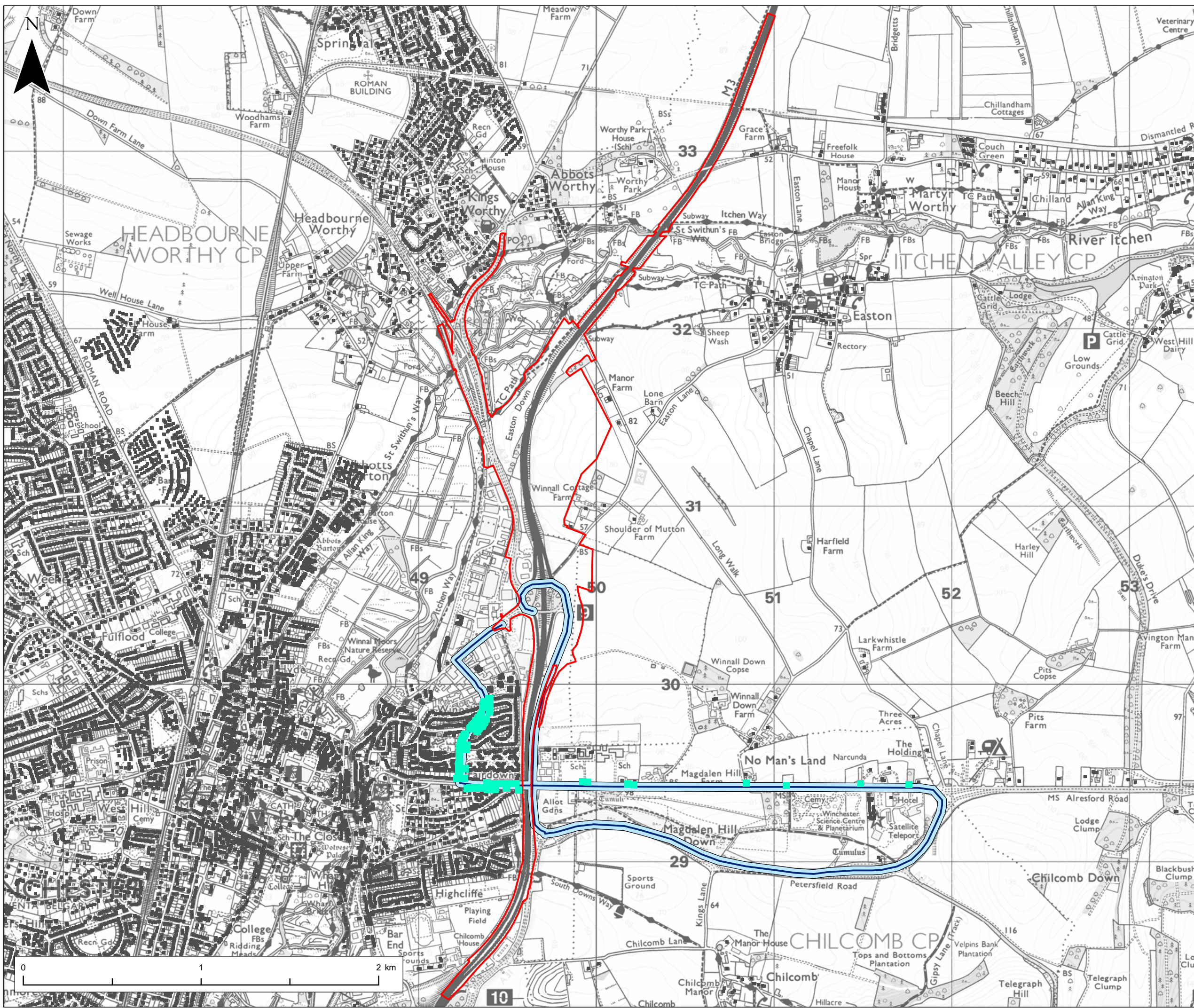
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.15 - NOISE AND VIBRATION: EASTON LANE NORTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:20,000 STATUS: REV 0

DRAWING NUMBER
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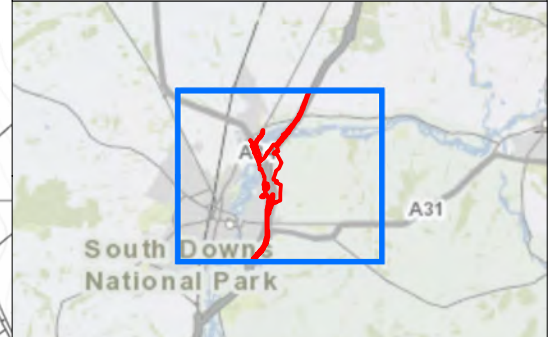
NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Legend

- Application Boundary
- Easton Lane Southbound Diversion
- 25m Buffer From Easton Lane Southbound Diversion
- Dwellings (154) Within 25m of Diversion Route

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REFERENCE MAP



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0	November 2022	APPLICATION SUBMISSION	LW	PT	PT

DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE
M3 JUNCTION 9 IMPROVEMENT SCHEME

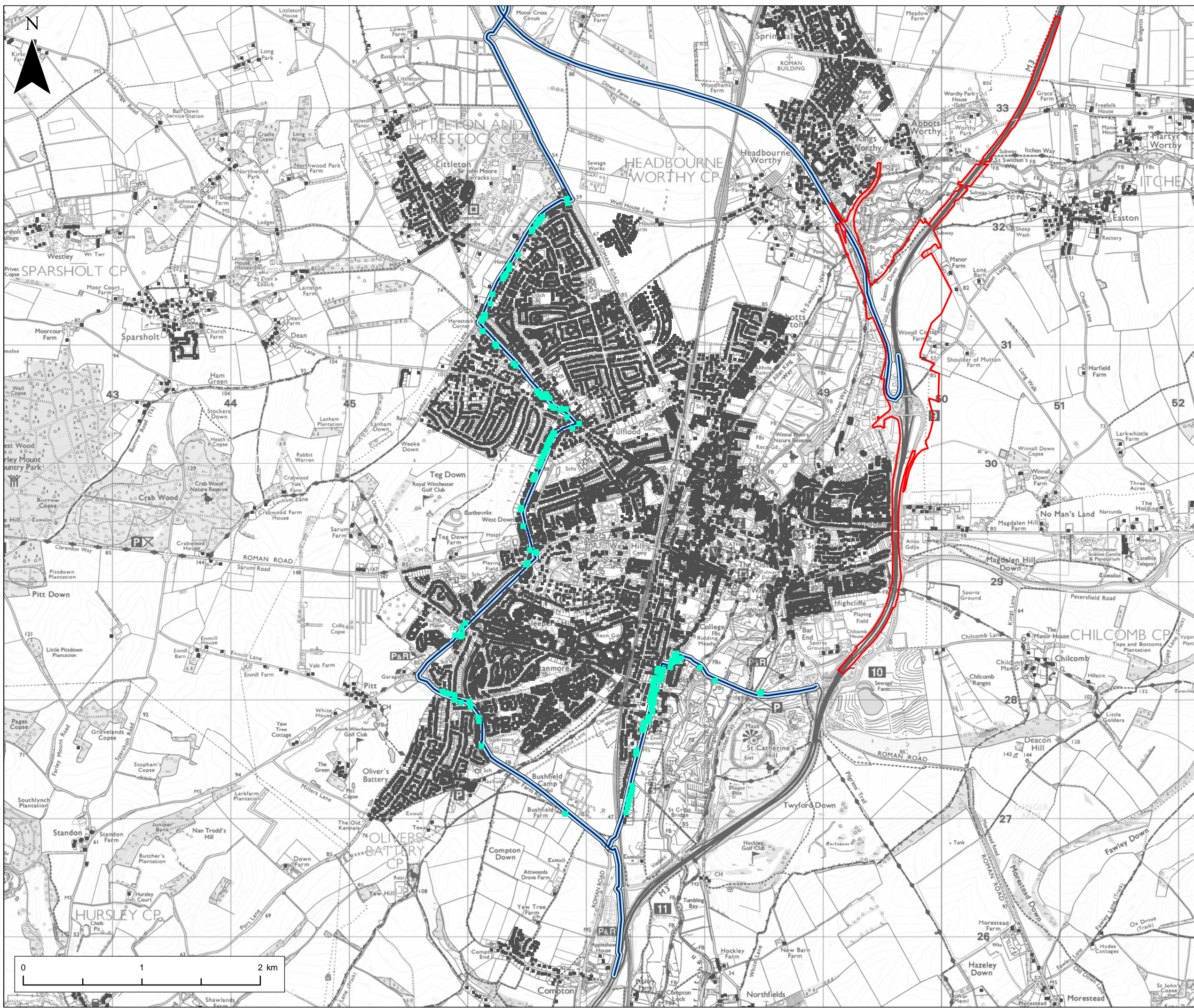
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.16 - NOISE AND VIBRATION: EASTON LANE SOUTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APPFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:20,000 STATUS: REV 0

DRAWING NUMBER
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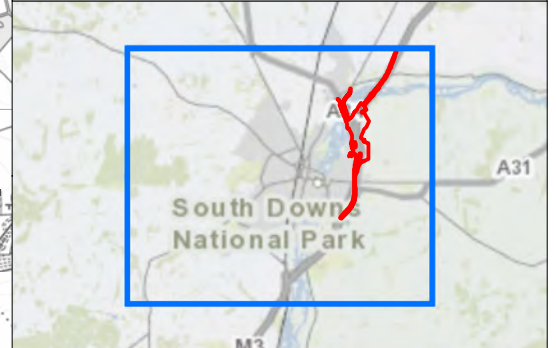


NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

- Legend**
- Application Boundary
 - M3 Southbound Junction 9-10 Diversion
 - 25m Buffer From M3 Northbound Junction 11-9 Diversion
 - Dwellings
 - Dwellings (207) Within 25m of Diversion Route

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CONTRACTOR

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PROJECT TITLE
 M3 JUNCTION 9 IMPROVEMENT SCHEME

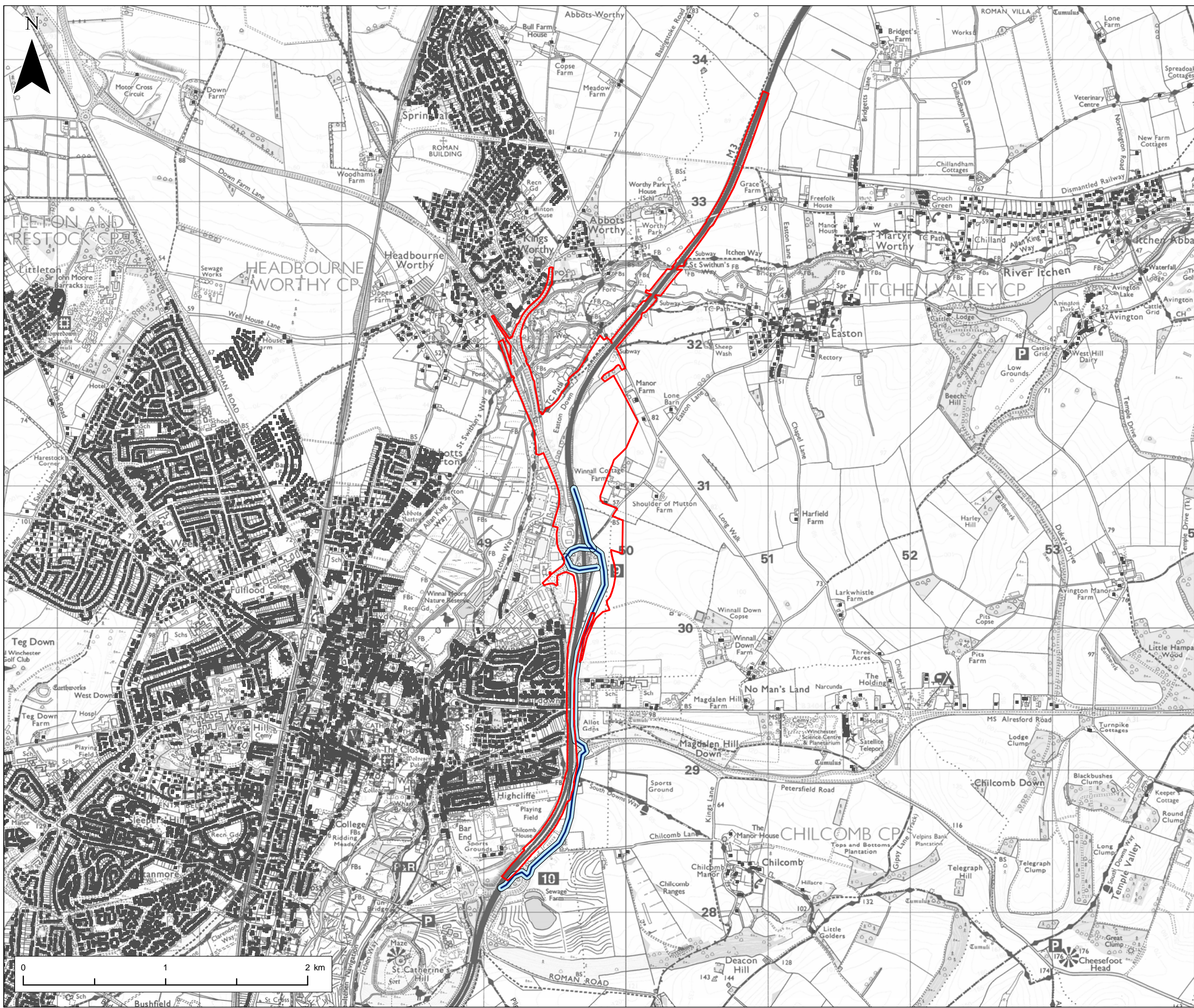
PROJECT STAGE
 PCF STAGE 3

DRAWING TITLE
 FIGURE 11.17 - NOISE AND VIBRATION: M3 NORTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
 APPLICATION SUBMISSION

SHEET SIZE: A3 **SCALE:** 1:30,000 **STATUS:** REV 0

DRAWING NUMBER
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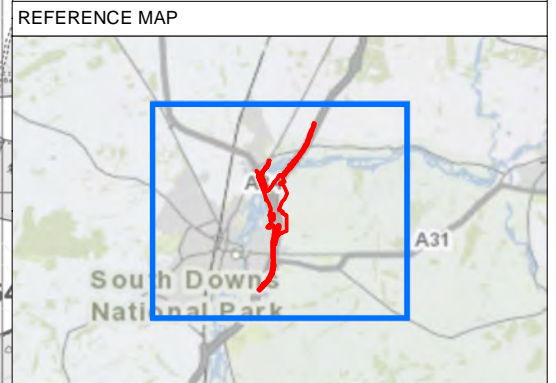


NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Legend

- Application Boundary
- M3 Southbound Junction 9-10 Diversion
- 25m Buffer from M3 Southbound Junction 9-10 Diversion
- Dwellings

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PROJECT TITLE
M3 JUNCTION 9 IMPROVEMENT SCHEME

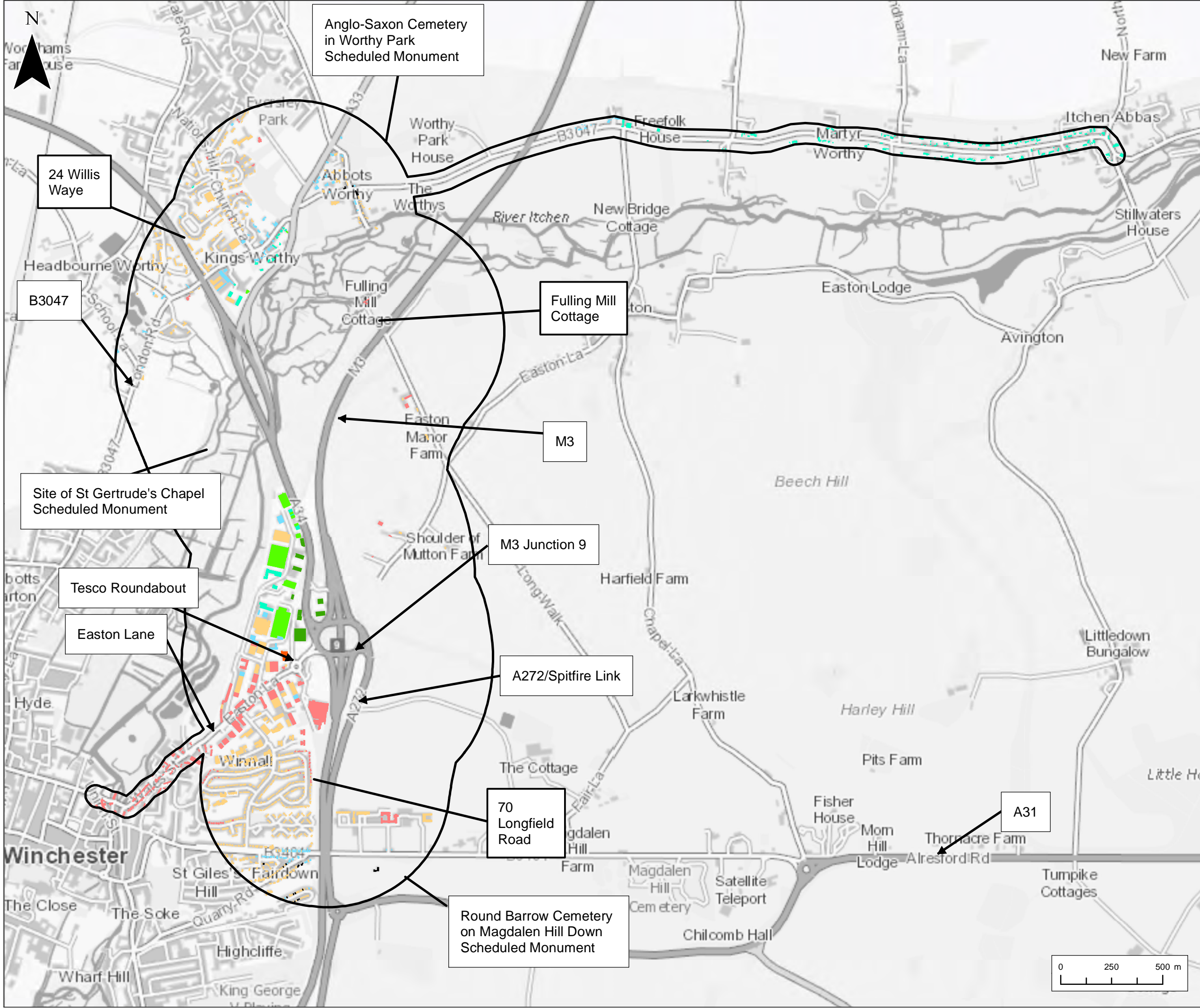
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.18 - NOISE AND VIBRATION: M3 SOUTHBOUND DIVERSION NIGHT-TIME NOISE IMPACTS APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:25,000 STATUS: REV 0

DRAWING NUMBER
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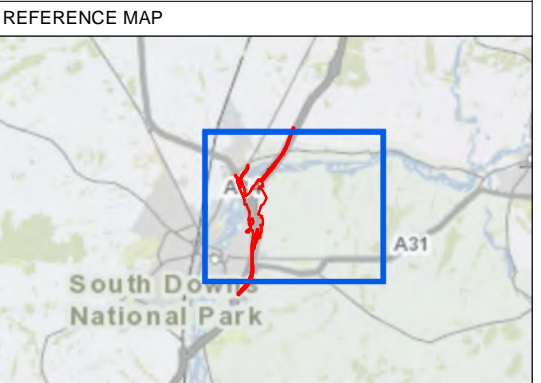
NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Study Area for Operational Noise, 600m from roads being modified, and roads experiencing 1dBA change in Opening Year

Magnitude of Impact Noise Change, dB (LA10 18hr)

- No Change
- Negligible Increase
- Minor Increase
- Moderate Increase
- Negligible Decrease
- Minor Decrease
- Moderate Decrease
- Major Decrease

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PROJECT TITLE

M3 JUNCTION 9 IMPROVEMENT SCHEME

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

FIGURE 11.19 - NOISE AND VIBRATION: OPERATIONAL NOISE CHANGE, 2027 DO MINIMUM SCENARIO VS DO SOMETHING SCENARIO (DAYTIME)
 APPF REGULATION 5(2)(a)
 DOCUMENT REFERENCE 6.2

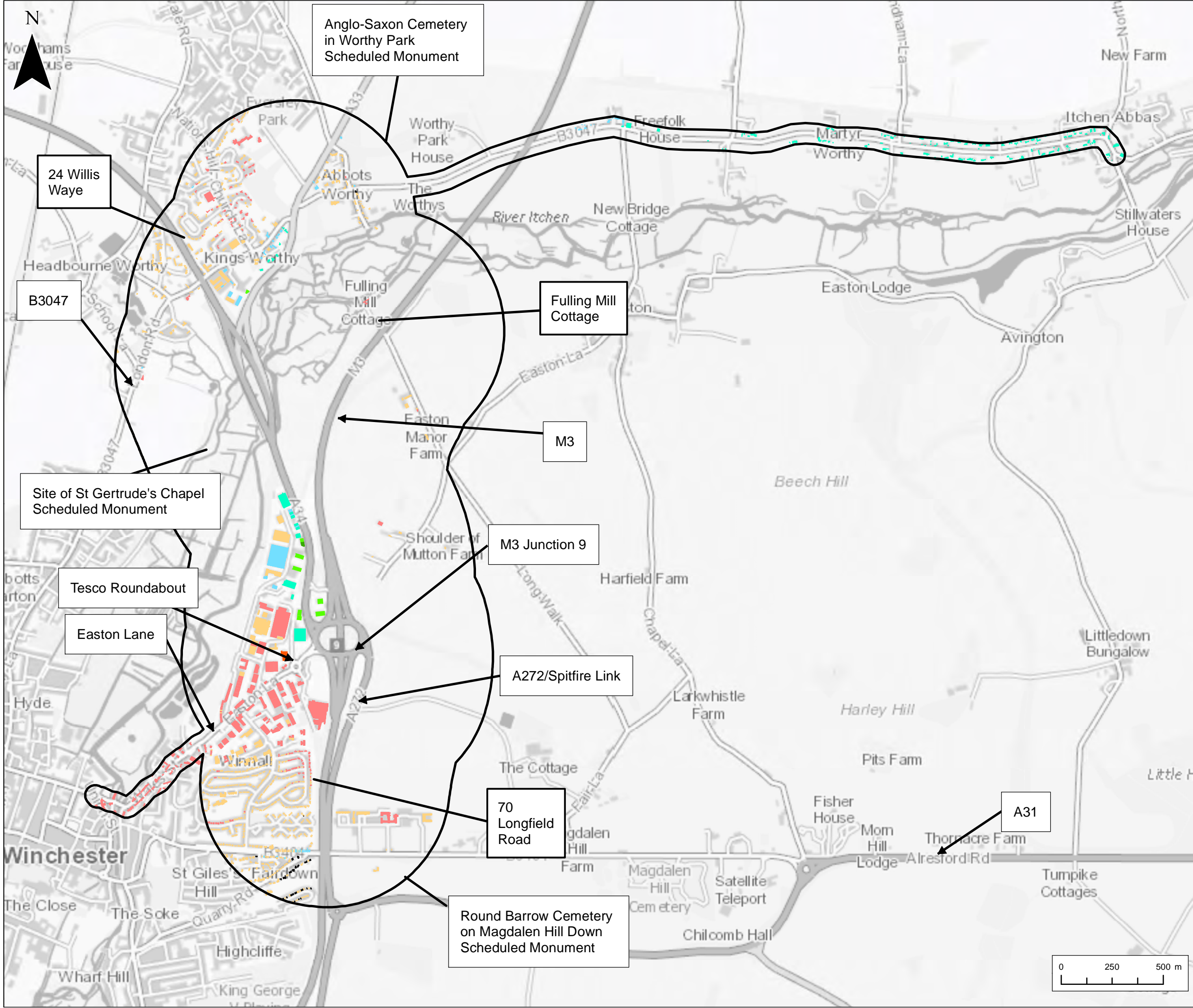
SUITABILITY

APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:17,500 STATUS: REV 0

DRAWING NUMBER

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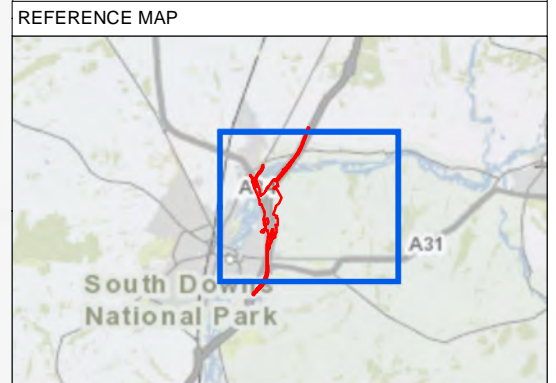
NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Study Area for Operational Noise, 600m from roads being modified, and roads experiencing 1dBA change in Opening Year

Magnitude of Impact Noise Change, dB (Lnight)

- No Change
- Negligible Increase
- Minor Increase
- Moderate Increase
- Negligible Decrease
- Minor Decrease
- Moderate Decrease
- Major Decrease

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DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE

M3 JUNCTION 9 IMPROVEMENT SCHEME

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

FIGURE11.20 - NOISE AND VIBRATION: OPERATIONAL NOISE CHANGE, 2027 DO MINIMUM SCENARIO VS DO SOMETHING SCENARIO (NIGHT TIME) APFP REGULATION 5(2)(a) DOCUMENT REFERENCE 6.2

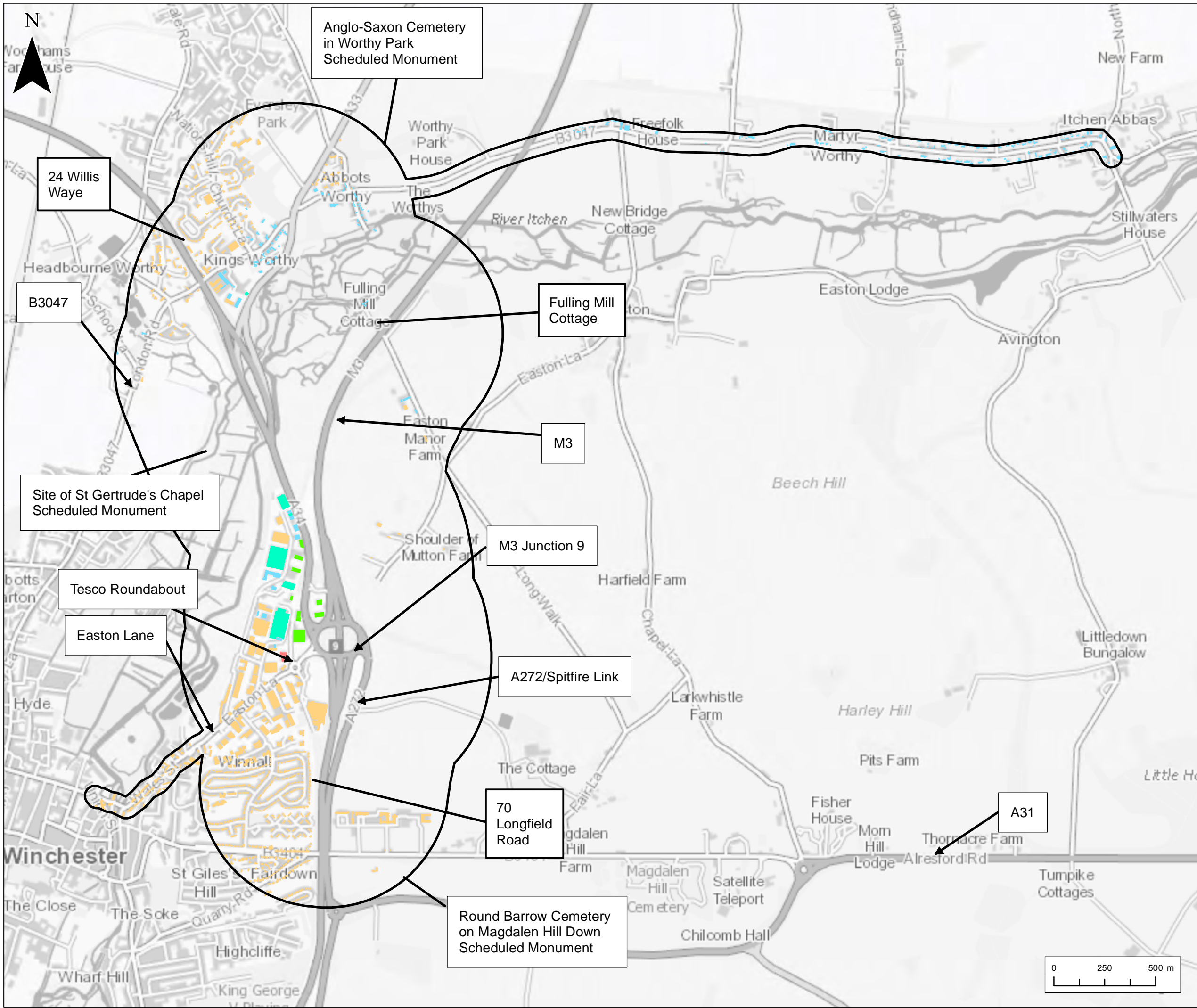
SUITABILITY

APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:17,500 STATUS: REV 0

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HE551511-VFK-ENV-X_XXXXX_XX_DR_LA_0119



Anglo-Saxon Cemetery in Worthy Park Scheduled Monument

24 Willis Way

B3047

Site of St Gertrude's Chapel Scheduled Monument

Tesco Roundabout

Easton Lane

Fulling Mill Cottage

M3

M3 Junction 9

A272/Spitfire Link

70 Longfield Road

Round Barrow Cemetery on Magdalen Hill Down Scheduled Monument

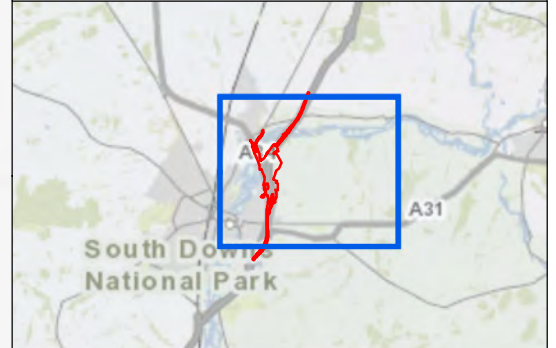
NOTES
1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Study Area for Operational Noise, 600m from roads being modified, and roads experiencing 1dBA change in Opening Year

- Magnitude of Impact Noise Change, dB (LA10, 18hr)**
- Negligible Increase
 - Minor Increase
 - Negligible Decrease
 - Minor Decrease
 - Major Decrease

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DESIGNER
Stantec

CONTRACTOR
VolkerFitzpatrick

CLIENT
national highways

PROJECT TITLE
M3 JUNCTION 9 IMPROVEMENT SCHEME

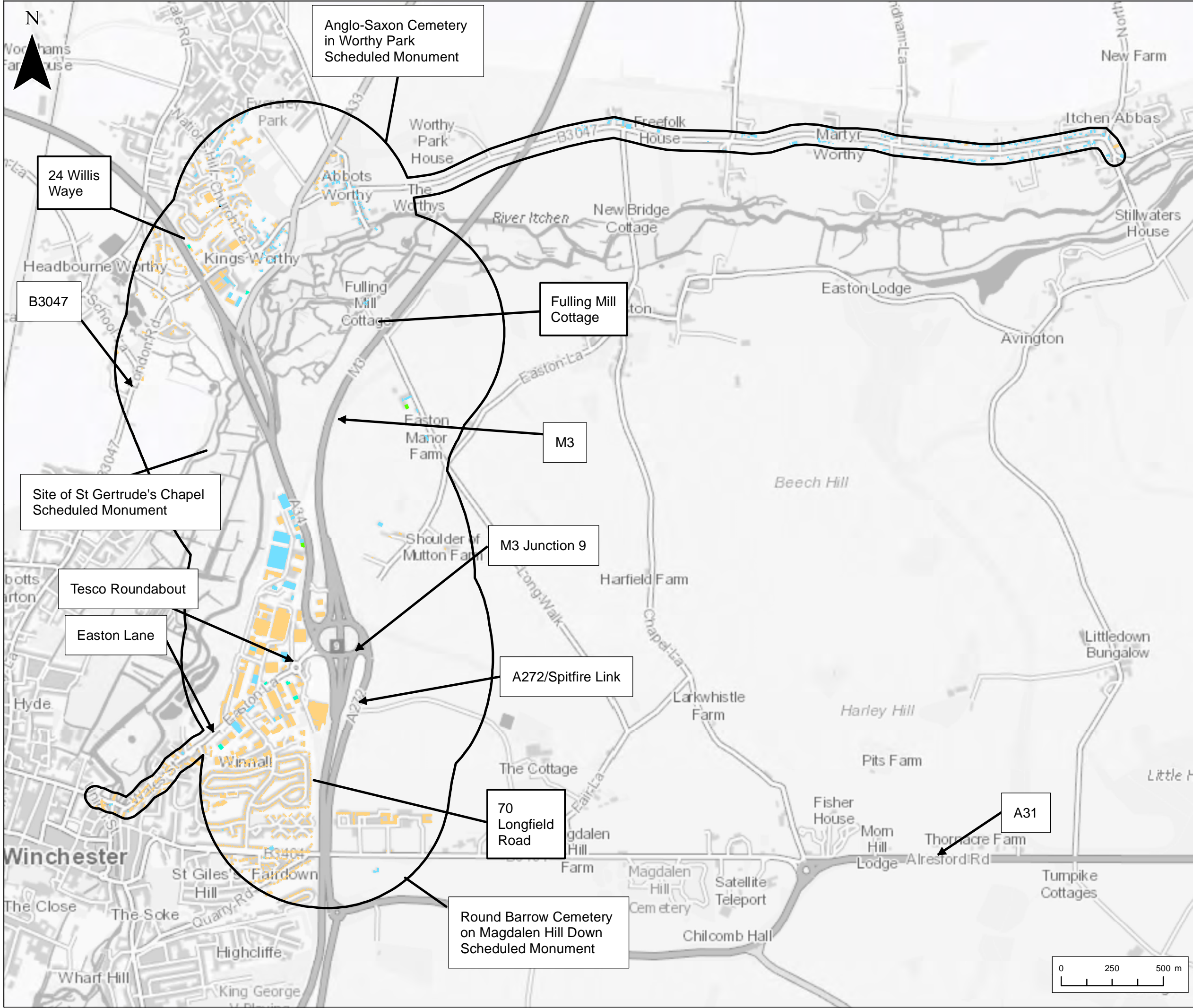
PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
FIGURE 11.21 - NOISE AND VIBRATION: OPERATIONAL NOISE CHANGE, 2027 DO MINIMUM SCENARIO VS 2042 DO SOMETHING SCENARIO (DAYTIME)
APFP REGULATION 5(2)(a)
DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:17,500 STATUS: REV 0

DRAWING NUMBER
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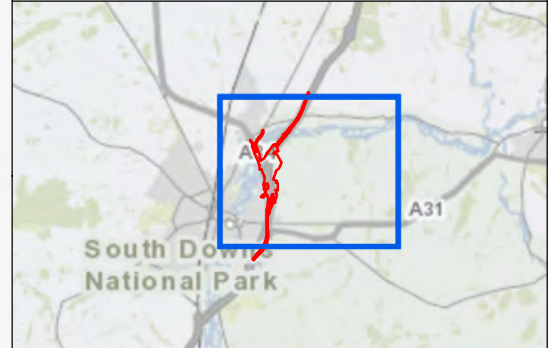
NOTES
 1. This drawing has been produced using GIS software, therefore all dimensions are shown in metres unless shown otherwise.

Study Area for Operational Noise, 600m from roads being modified, and roads experiencing 1dBA change in Opening Year

- Magnitude of Impact Noise Change, dB (night)**
- No Change
 - Negligible Increase
 - Minor Increase
 - Negligible Decrease
 - Minor Decrease
 - Moderate Decrease

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DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE
M3 JUNCTION 9 IMPROVEMENT SCHEME

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
 FIGURE 11.22 - NOISE AND VIBRATION: OPERATIONAL NOISE CHANGE, 2027 DO MINIMUM SCENARIO VS 2042 DO SOMETHING SCENARIO (NIGHT TIME)
 APPF REGULATION 5(2)(a)
 DOCUMENT REFERENCE 6.2

SUITABILITY
APPLICATION SUBMISSION

SHEET SIZE: A3 SCALE: 1:17,500 STATUS: REV 0

DRAWING NUMBER
 HE551511-VFK-ENV-X_XXXXX_XX_DR_LA_0121