

Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Location of New 600 m³ Flare and back-up 250 m³ Flare

Air Quality Standard (AQS) is 20µg/m³

- X Maximum level attained, including background, is 9µg/m³ (45% of AQS)
- 4 µg/m³
- 2 µg/m³

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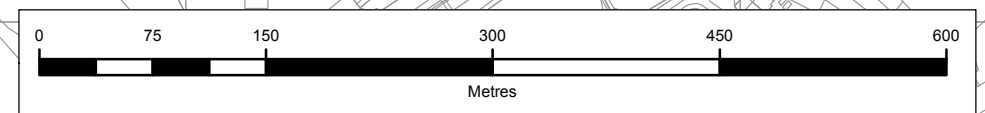
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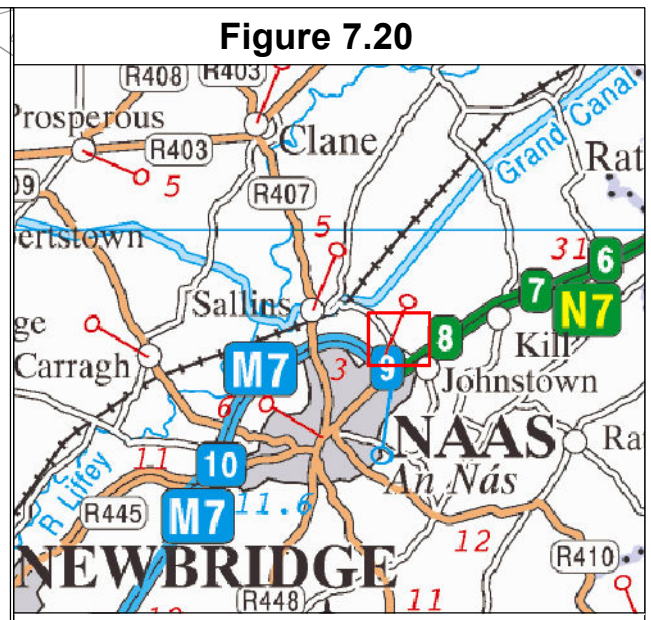
Project
KERDIFFSTOWN LANDFILL REMEDIATION PROJECT

Drawing Title
FIGURE 7.19 - ISOPLETH SHOWING THE PREDICTED ANNUAL MEAN GROUND LEVEL CONCENTRATION OF SO₂ AS A RESULT OF EMISSIONS FROM THE PROPOSED 600M³ FLARE DURING THE OPERATION PHASE

Drawing Status **EIA SUBMISSION**

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Jacobs No.	32EW5604	
Client No.	6286	
Drawing No.	32EW5604-849 P2	





Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Location of New 600 m³ Flare and back-up 250 m³ Flare

Air Quality Standard (AQS) is 200µg/m³

- X Maximum level attained, including background, is 7.6µg/m³ (4% of AQS)
- 1.2 µg/m³
- 0.8 µg/m³

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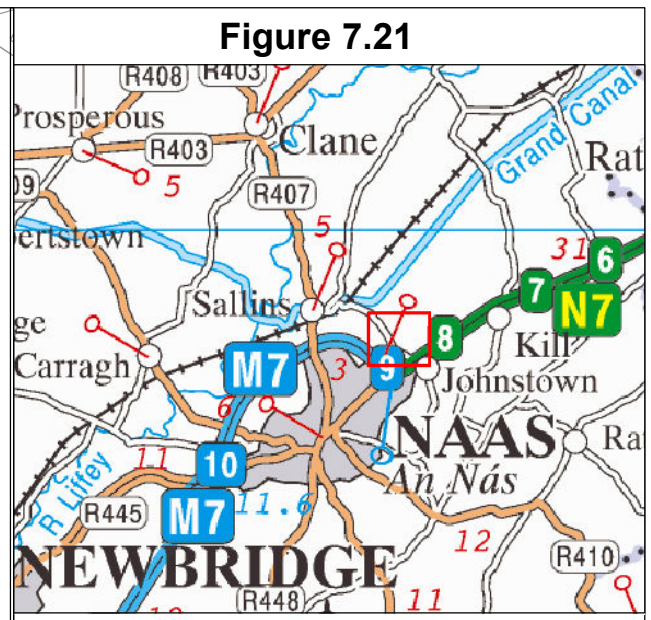
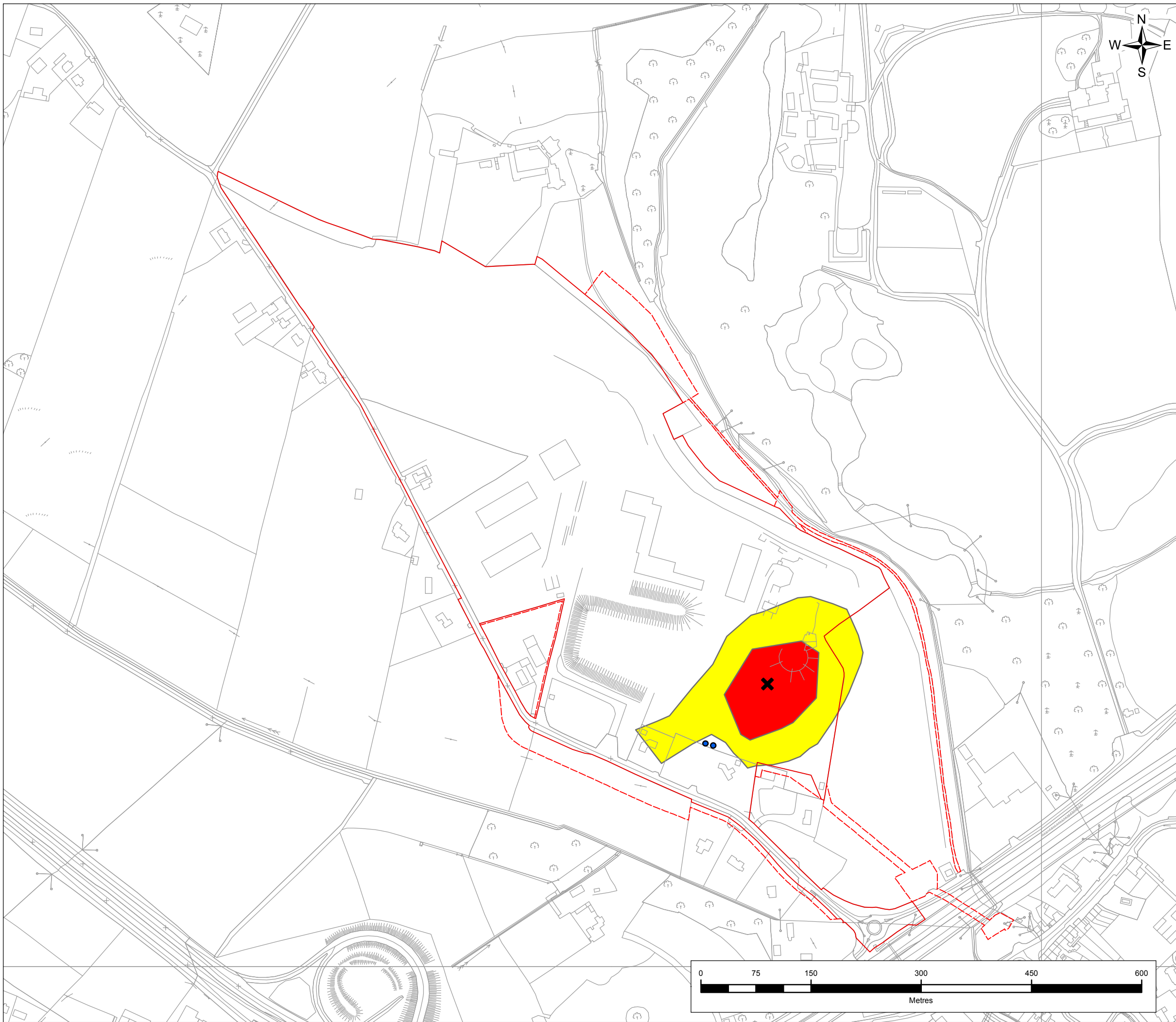
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Comhairle Contae Chill Dara

Project
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Drawing Title
FIGURE 7.20 - ISOPLETH SHOWING THE PREDICTED 99.8 PERCENTILE OF 1-HOUR GROUND LEVEL CONCENTRATION OF NO₂ AS A RESULT OF EMISSIONS FROM THE PROPOSED 600M³ FLARE DURING THE OPERATION PHASE

Drawing Status	EIAR SUBMISSION	
Scale @ A3	1:5,000	DO NOT SCALE
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Client No.	6286	
Drawing No.	32EW5604-850 P2	Rev 2

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Location of New 600 m³ Flare and back-up 250 m³ Flare

Air Quality Standard (AQS) is 40µg/m³

- X Maximum level attained, including background, is 3.1µg/m³ (8% of AQS)
- 0.08 µg/m³
- 0.05 µg/m³

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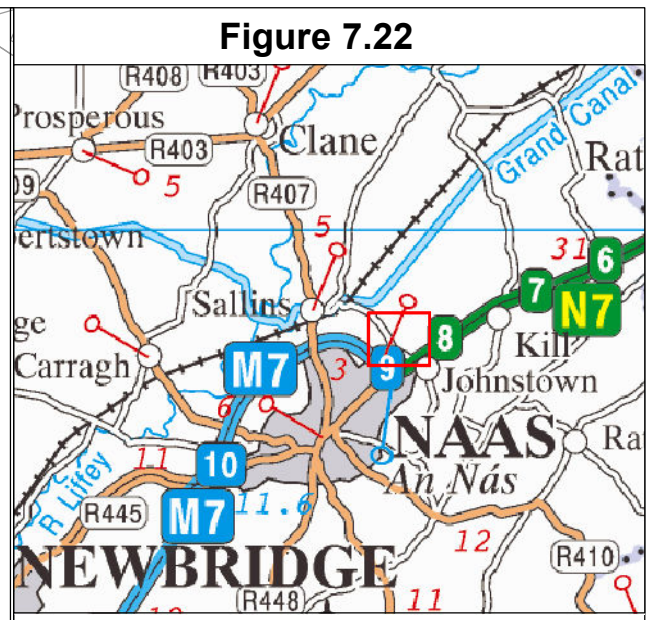
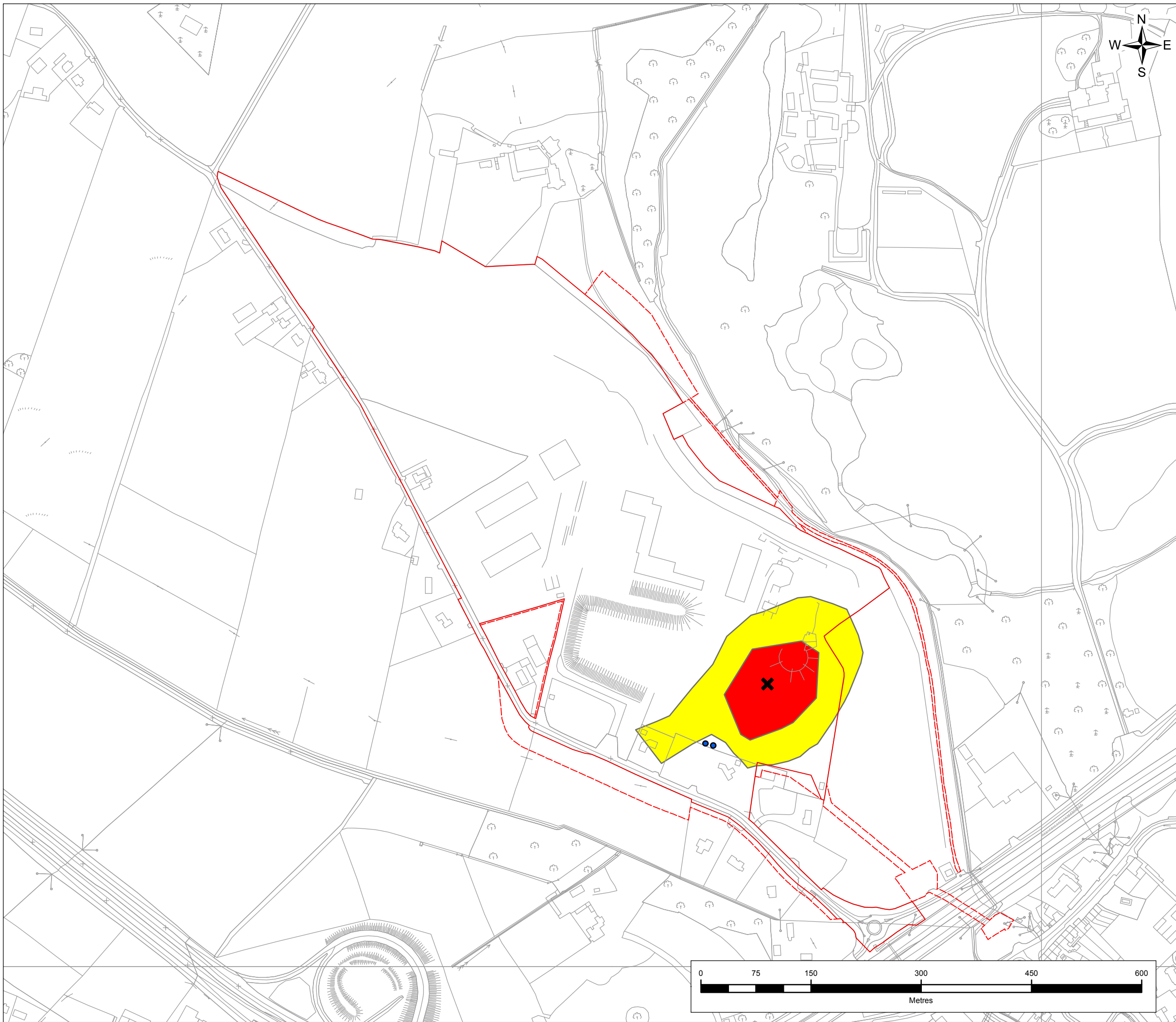
Project
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Drawing Title
FIGURE 7.21 - ISOPLETH SHOWING THE PREDICTED ANNUAL MEAN GROUND LEVEL CONCENTRATION OF NO₂ AS A RESULT OF EMISSIONS FROM THE PROPOSED 600M³ FLARE DURING THE OPERATION PHASE

Drawing Status **EIAR SUBMISSION**

Scale @ A3	1:5,000	DO NOT SCALE
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Client No.	6286	
Drawing No.	32EW5604-851 P2	Rev 2

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Location of New 600 m³ Flare and back-up 250 m³ Flare

Air Quality Standard (AQS) is 30µg/m³

- X Maximum level attained, including background, is 3.1µg/m³ (11% of AQS)
- 0.08 µg/m³
- 0.05 µg/m³

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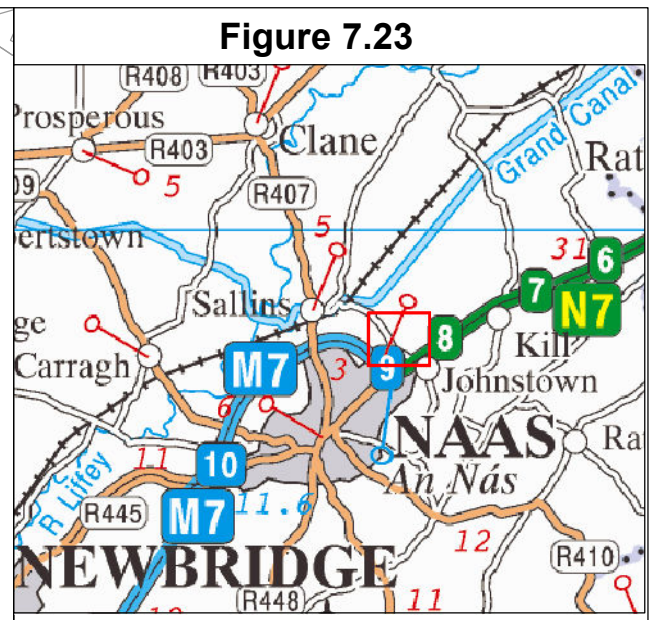
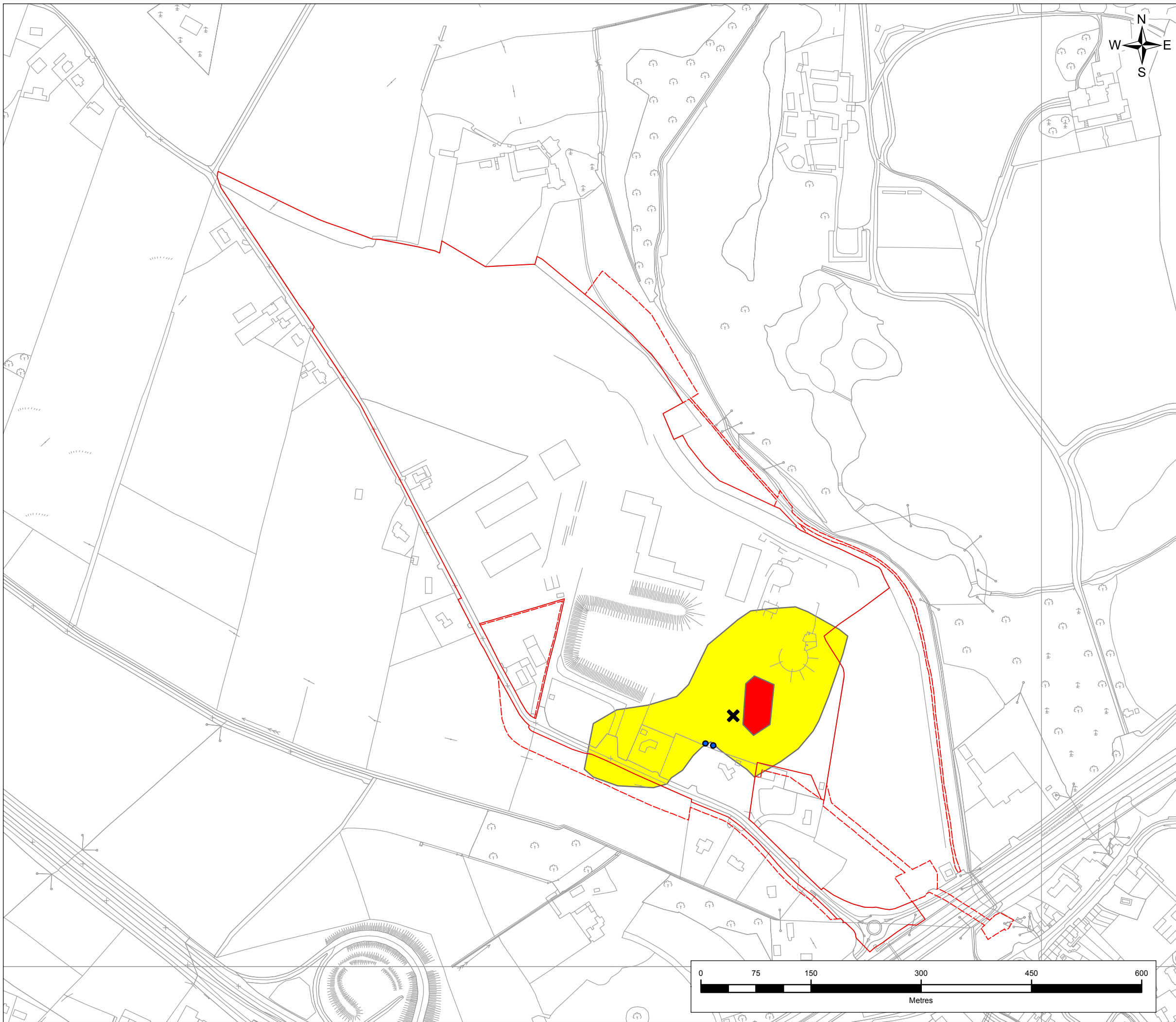
Project
KERDIFFSTOWN LANDFILL REMEDIATION PROJECT

Drawing Title
FIGURE 7.22 - ISOPLETH SHOWING THE PREDICTED ANNUAL MEAN GROUND LEVEL CONCENTRATION OF NO_x AS A RESULT OF EMISSIONS FROM THE PROPOSED 600M³ FLARE DURING THE OPERATION PHASE

Drawing Status **EIAR SUBMISSION**

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	32EW5604	
Client No.	6286	
Drawing No.	32EW5604-852 P2	Rev 2

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Location of New 600 m³ Flare and back-up 250 m³ Flare

Odour Threshold (OT) is 1200µg/m³

- X Maximum level attained is 51.5µg/m³ (11% of OT)
- 30 µg/m³
- 20 µg/m³

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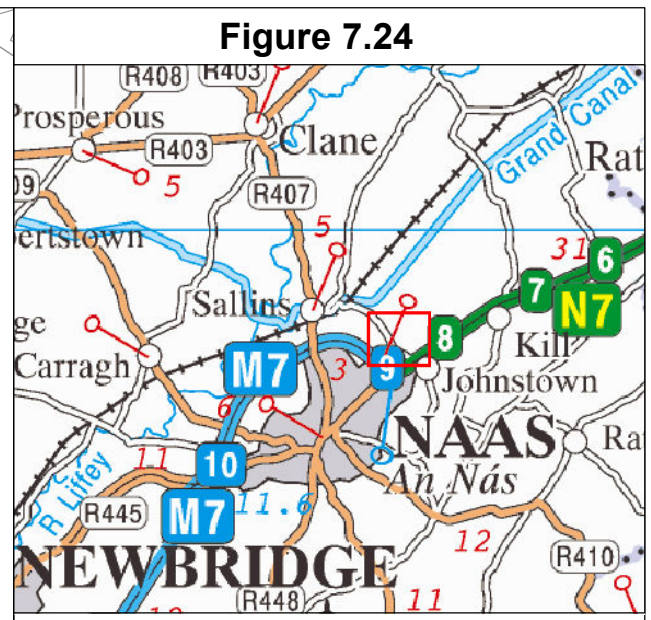
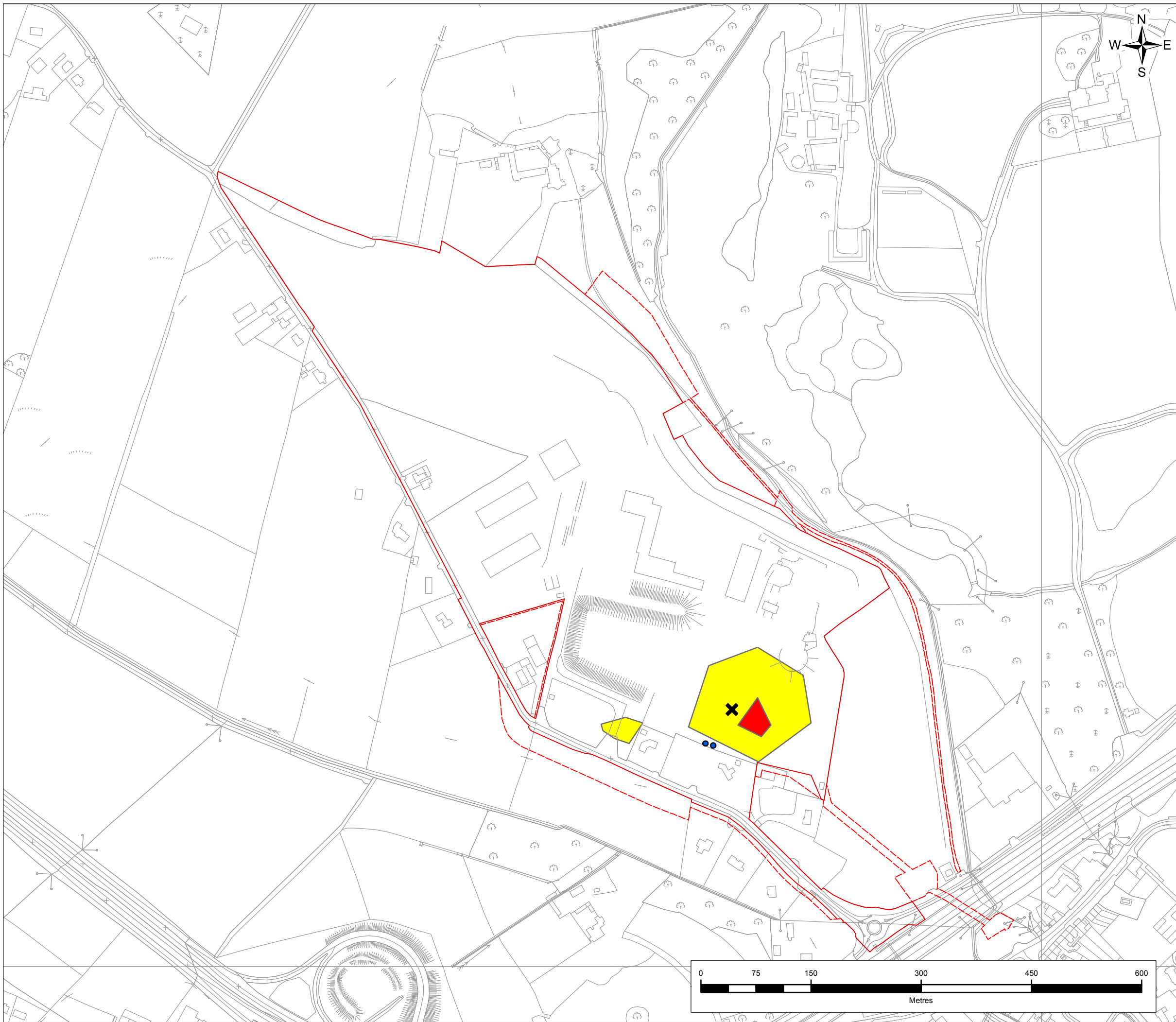
Project
KERDIFFSTOWN LANDFILL REMEDIATION PROJECT

Drawing Title
FIGURE 7.23 - ISOPLETH SHOWING THE PREDICTED 98 PERCENTILE OF 1-HOUR GROUND LEVEL CONCENTRATION OF SO₂ AS A RESULT OF EMISSIONS FROM THE PROPOSED 600M³ FLARE DURING THE OPERATION PHASE

Drawing Status **EIAR SUBMISSION**

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Jacobs No.	32EW5604	
Client No.	6286	
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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Location of New 600 m³ Flare and back-up 250 m³ Flare

Odour Threshold (OT) is 0.7µg/m³

- x Maximum level attained is 0.68µg/m³ (97% of OT)
- 0.3 µg/m³
- 0.2 µg/m³

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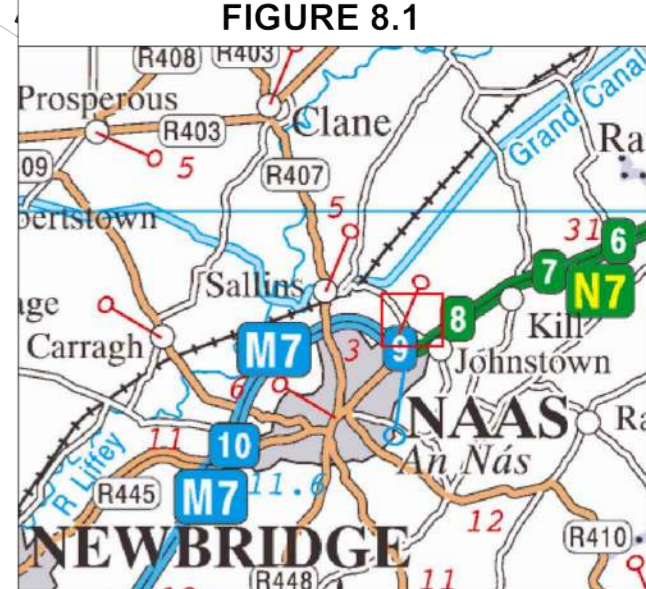
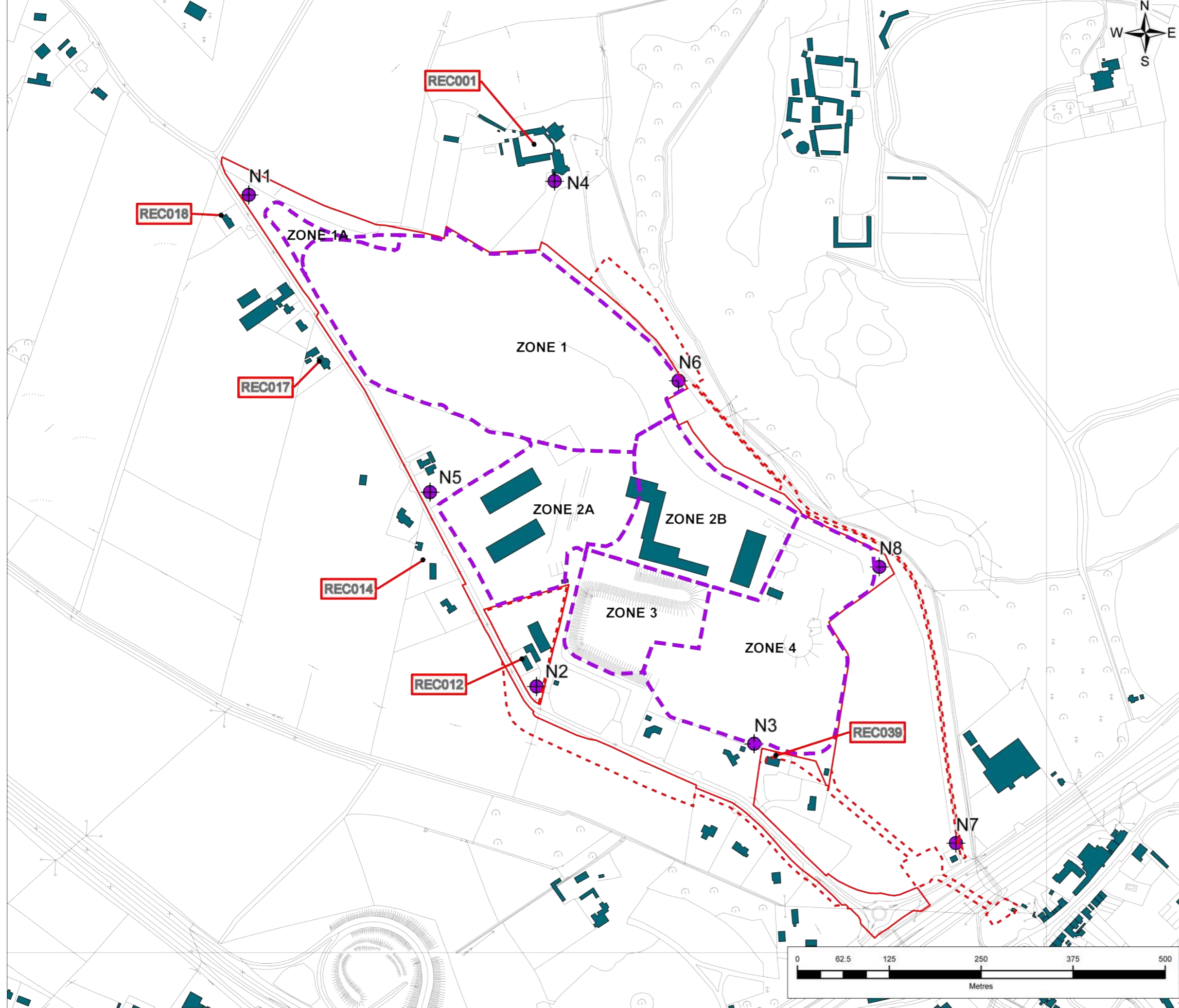
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Project
KERDIFFSTOWN LANDFILL REMEDIATION PROJECT

Drawing Title
 FIGURE 7.24 - ISOPLETH SHOWING THE PREDICTED 98 PERCENTILE OF 1-HOUR GROUND LEVEL CONCENTRATION OF H₂S AS A RESULT OF EMISSIONS FROM THE PROPOSED 600M³ FLARE DURING THE OPERATION PHASE

Drawing Status		EIA SUBMISSION
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Jacobs No.	32EW5604	
Client No.	6286	
Drawing No.	32EW5604-854 P2	Rev 2

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Noise & Vibration Monitoring Locations
- Buildings
- RECxxx Residential Receptor
- COMxxx Commercial Receptor
- Inferred Zone Boundary

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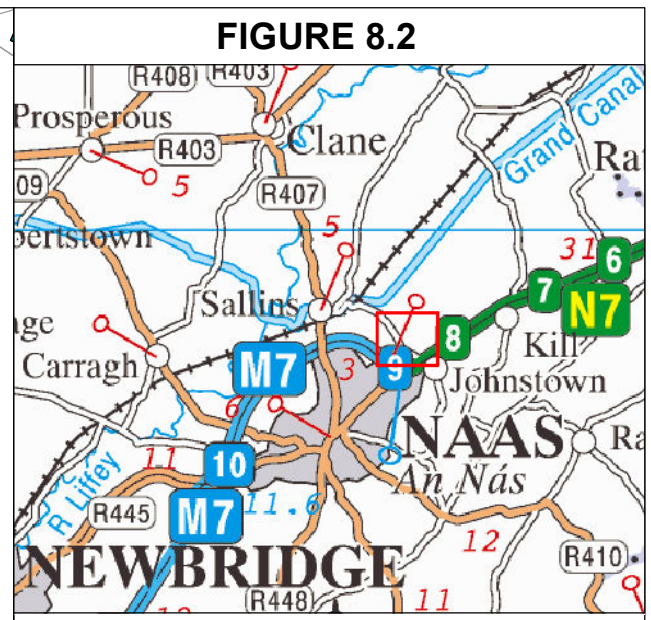
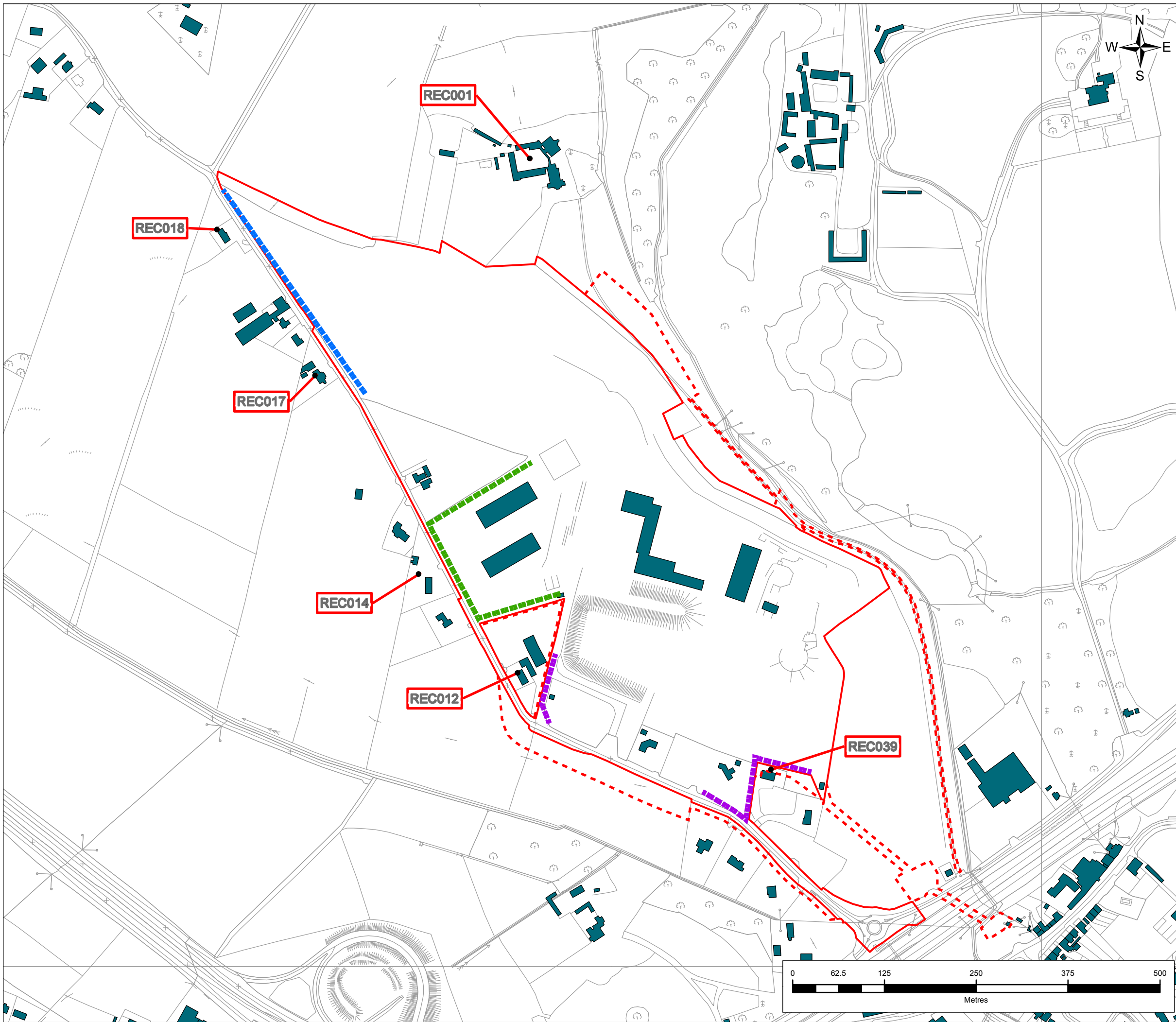
Project
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Drawing Title
FIGURE 8.1 - NOISE AND VIBRATION MONITORING LOCATIONS

Drawing Status
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Client No	6286	
Drawing No	32EW5604-807 P2	Rev
		2

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- Legend**
- Proposed CPO Boundary
 - Proposed Temporary CPO Boundary
 - Existing Screening Banks Reinforced with Straw or Equivalent)
 - 5m High Straw Bale Screening Banks
 - 2.4m High Acoustic Screens or Equivalent
 - Buildings
 - RECxxx Residential Receptor
 - COMxxx Commercial Receptor

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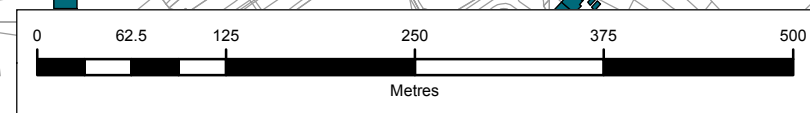
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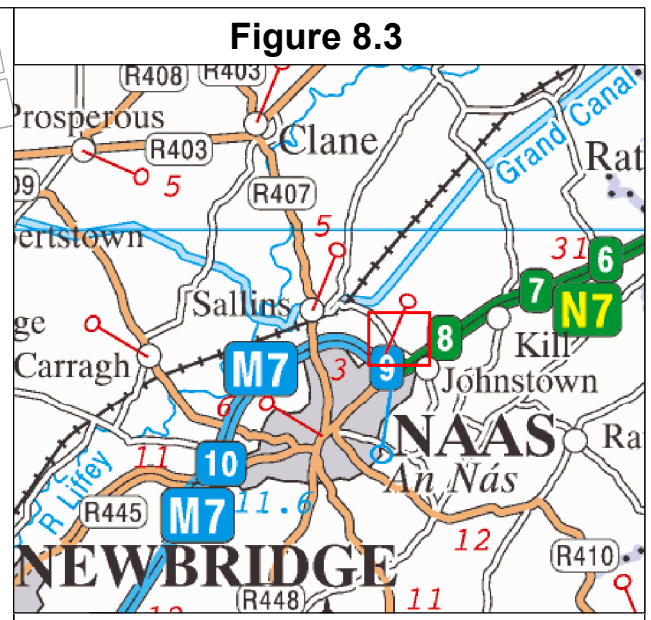
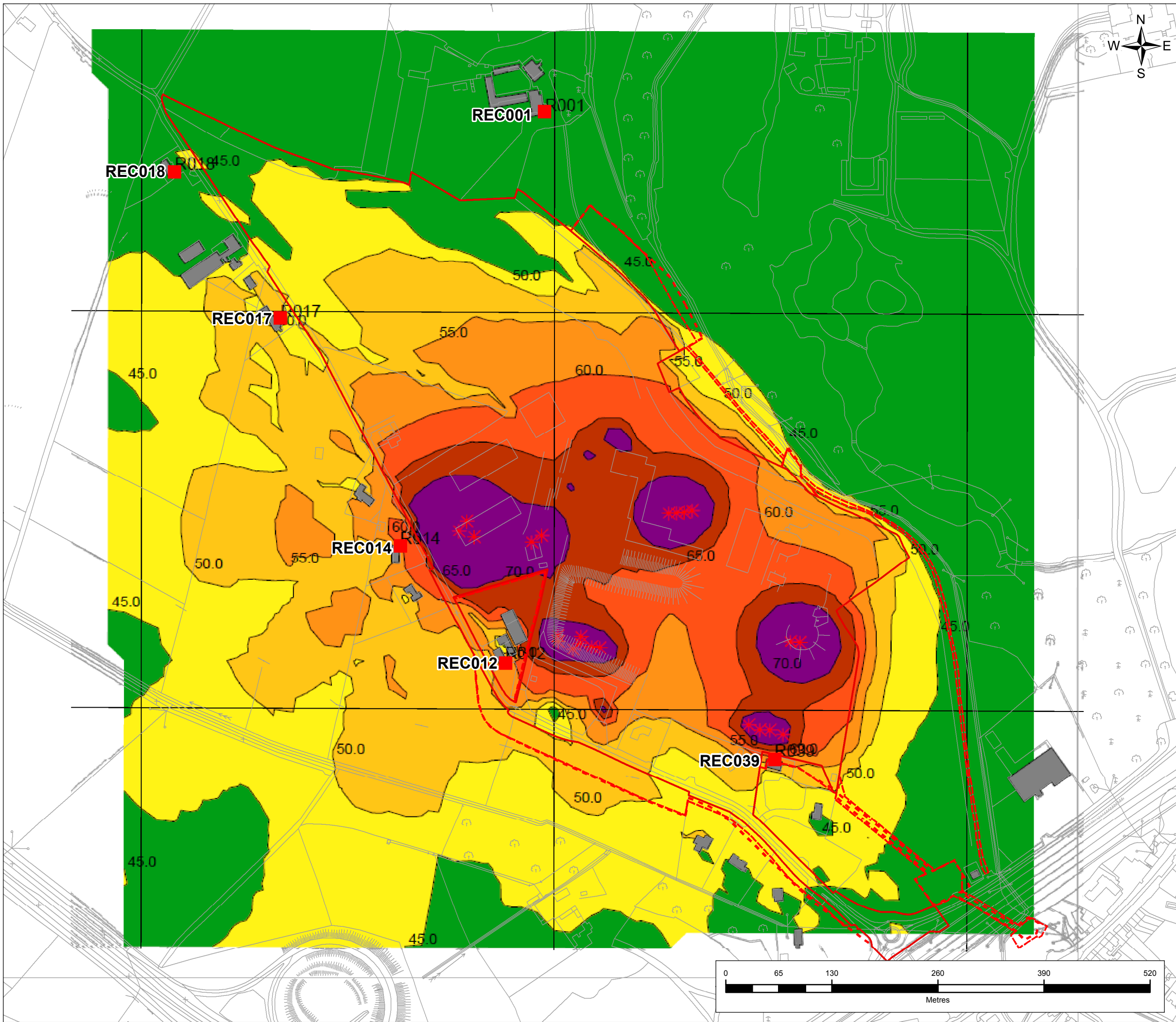
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Drawing Title
FIGURE 8.2 - TEMPORARY ACOUSTIC SCREEN LOCATIONS

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Client No.	6286	
Drawing No.	32EW5604-828 P1	Rev 1

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Building
- * Point source
- Receiver
- < 45.0 dB(A)
- 45.0 - 50.0 dB(A)
- 50.0 - 55.0 dB(A)
- 55.0 - 60.0 dB(A)
- 60.0 - 65.0 dB(A)
- 65.0 - 70.0 dB(A)
- > 70.0 dB(A)

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FIGURE 8.3 - CALCULATED NOISE CONTOURS FOR PHASE 1 ONSITE REMEDIATION WORKS (NO ACOUSTIC REINFORCEMENT IN PLACE)

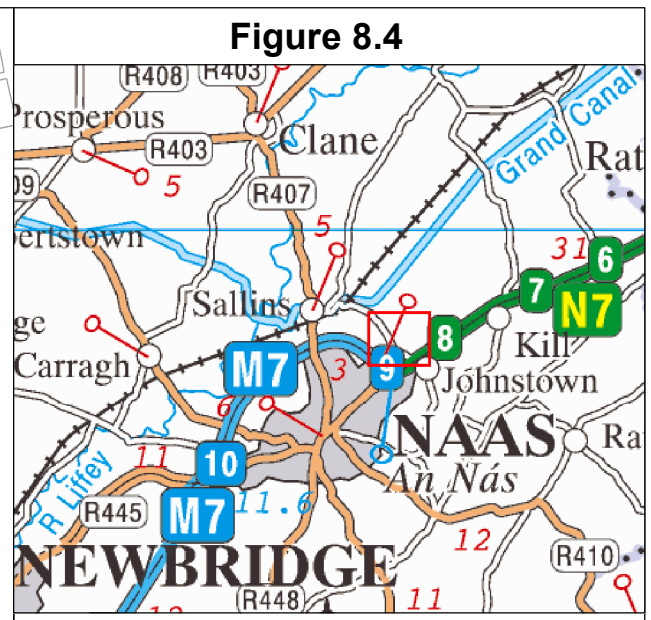
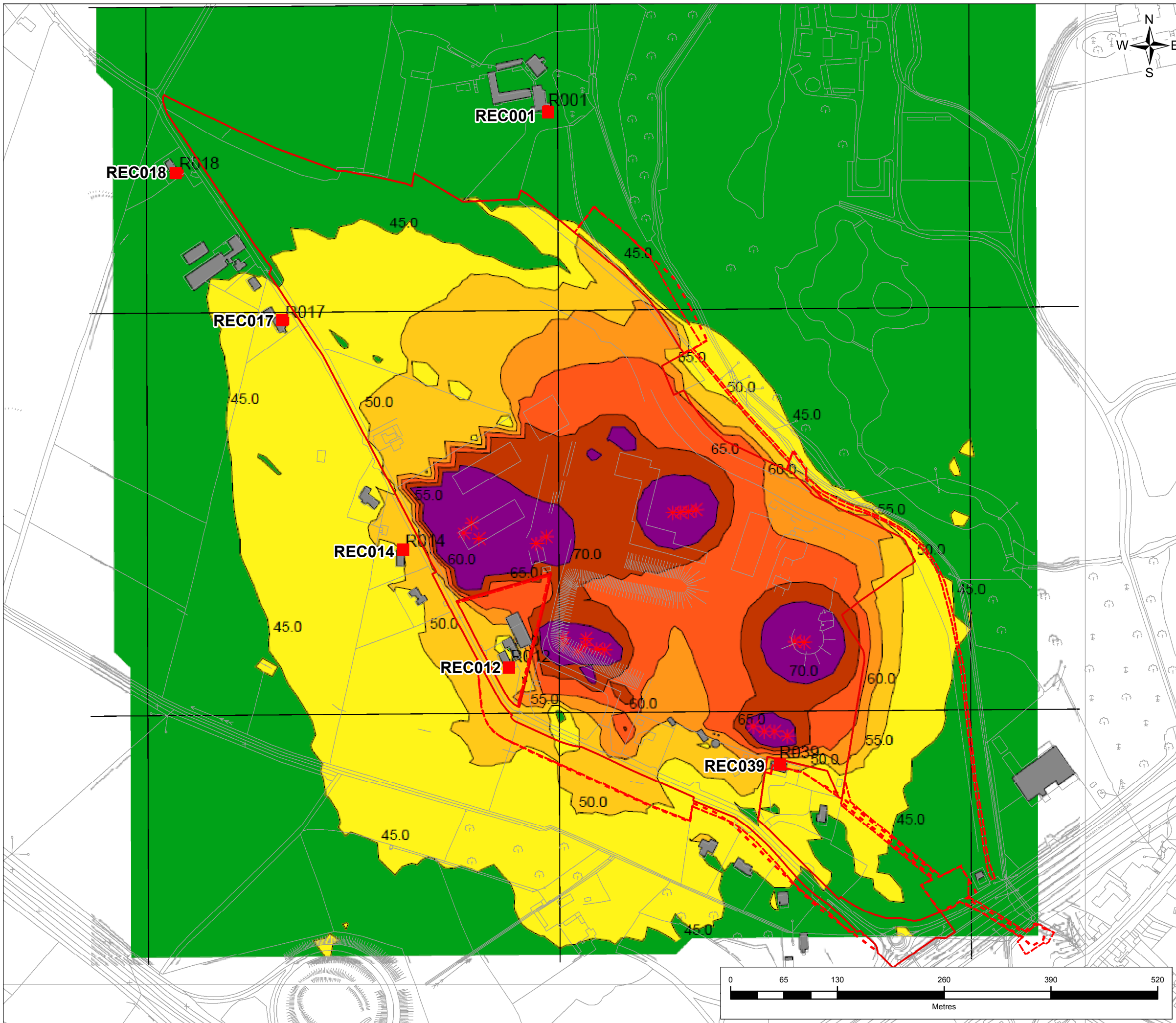
Drawing Status

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Client No.	32EW5604	
Drawing No.	32EW5604-855 P1	Rev 1

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Building
- * Point source
- Receiver
- < 45.0 dB(A)
- 45.0 - 50.0 dB(A)
- 50.0 - 55.0 dB(A)
- 55.0 - 60.0 dB(A)
- 60.0 - 65.0 dB(A)
- 65.0 - 70.0 dB(A)
- > 70.0 dB(A)

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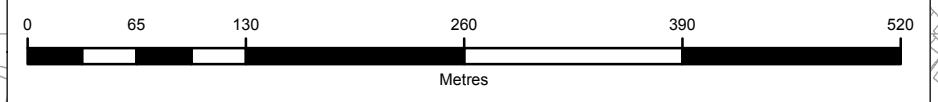
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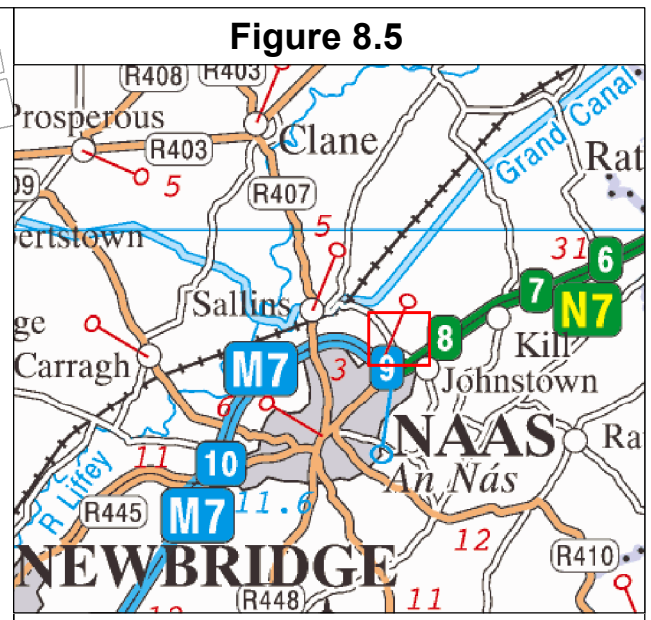
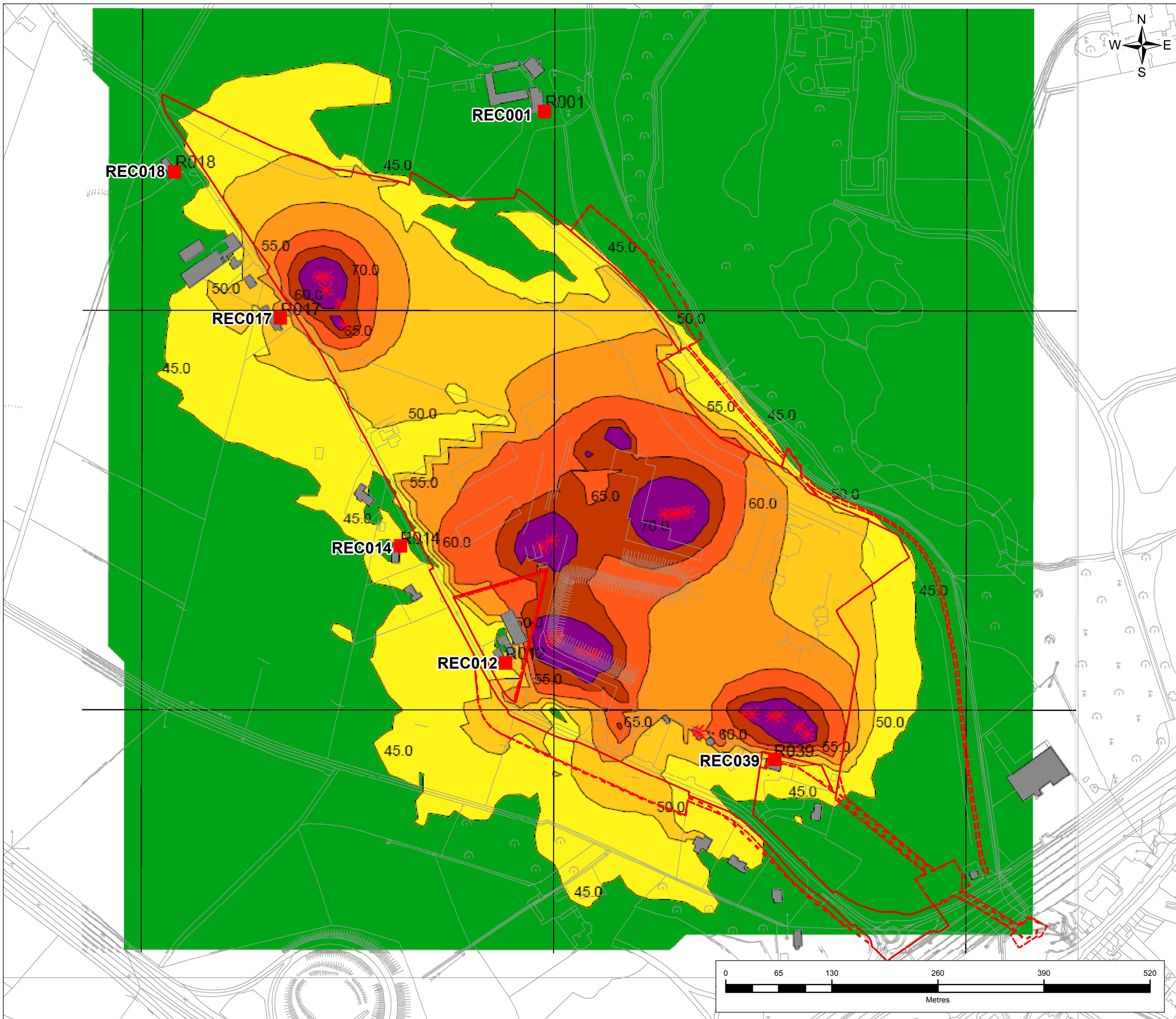
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Drawing Title
FIGURE 8.4 - CALCULATED NOISE CONTOURS FOR PHASE 1 ONSITE REMEDIATION WORKS WITH ACOUSTIC REINFORCEMENT IN PLACE

Drawing Status	EIAR SUBMISSION					
Scale @ A3	1:4,500					
Jacobs No.	6286					
Client No.	32EW5604					
Drawing No.	32EW5604-856 P1					
						Rev 1

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Building
- * Point source
- Receiver
- < 45.0 dB(A)
- 45.0 - 50.0 dB(A)
- 50.0 - 55.0 dB(A)
- 55.0 - 60.0 dB(A)
- 60.0 - 65.0 dB(A)
- 65.0 - 70.0 dB(A)
- > 70.0 dB(A)

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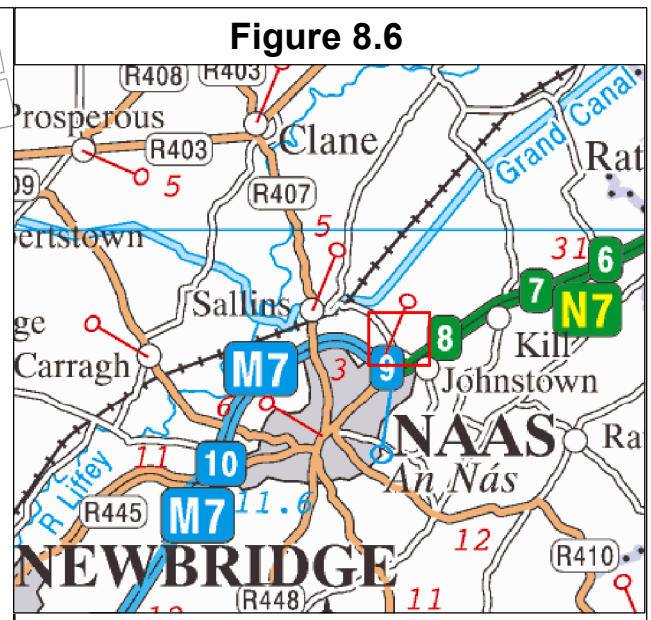
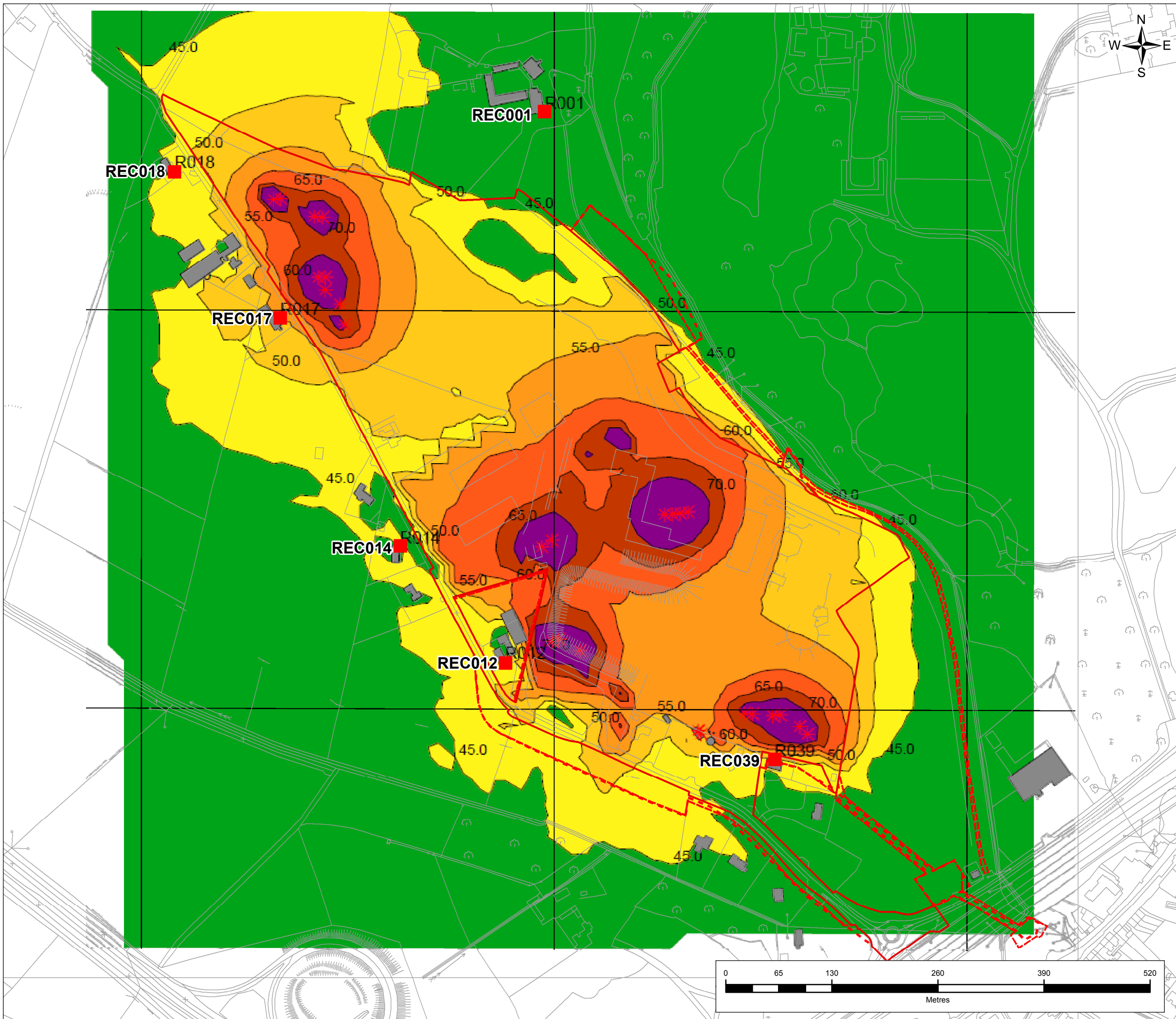
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Drawing Title
FIGURE 8.5 - CALCULATED NOISE CONTOURS FOR PHASE 2 ONSITE REMEDIATION WORKS WITH ACOUSTIC REINFORCEMENT IN PLACE

Drawing Status	EIAR SUBMISSION					
Scale @ A3	1:4,500					
Jacobs No.	6286					
Client No.	32EW5604					
Drawing No.	32EW5604-857 P1					
						Rev 1

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Building
- * Point source
- Receiver
- < 45.0 dB(A)
- 45.0 - 50.0 dB(A)
- 50.0 - 55.0 dB(A)
- 55.0 - 60.0 dB(A)
- 60.0 - 65.0 dB(A)
- 65.0 - 70.0 dB(A)
- > 70.0 dB(A)

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Drawing Title
FIGURE 8.6 - CALCULATED NOISE CONTOURS FOR PHASE 3 ONSITE REMEDIATION WORKS WITH ACOUSTIC REINFORCEMENT IN PLACE

Drawing Status	EIAR SUBMISSION					
Scale @ A3	1:4,500					
Jacobs No.	6286					
Client No.	32EW5604					
Drawing No.	32EW5604-858 P1					Rev 1

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