

FIGURE 15.4a

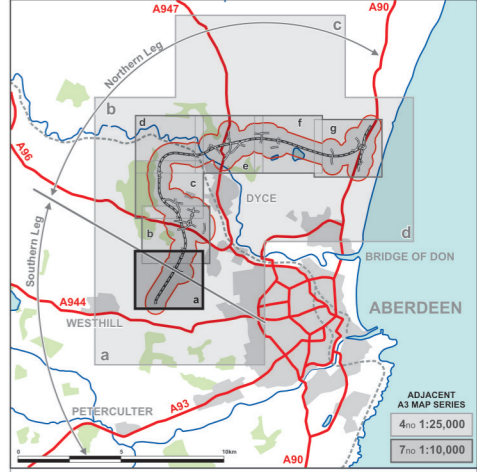


Continued on Sheet 2 of 7 (Figure 15.4b)

Kepplestone Farmhouse	
47.3	
48.5	58.5
49.2	59.3
Substantial Adverse	
Substantial Adverse	

Brimmond Lodge	
46.3	
46.9	59.3
47.5	60.0
Substantial Adverse	
Substantial Adverse	

Dykeside Steading	
68.8	
69.5	67.0
70.1	67.3
Moderate Beneficial	
Moderate Beneficial	



LEGEND

- Proposed Route (Engineering Profile 04/05/2007)
- 0-50m
- >50-100m
- >100-200m
- >200-300m
- >300-500m
- Sample Properties
- Non Residential Receptors

Additional Mitigation

- Noise Barrier

Location Name	
BASE 2005*	
Do Minimum* Year of Opening	Do Something Year of Opening
Do Minimum Design Year*	Do Something Design Year
SIGNIFICANCE OF IMPACT Year of Opening	
SIGNIFICANCE OF IMPACT Design Year	

*Where a property is outside 300m of an existing road the $L_{A90, T}$ dB has been used as a proxy for the existing noise level.

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Client: Aberdeen Western Peripheral Route

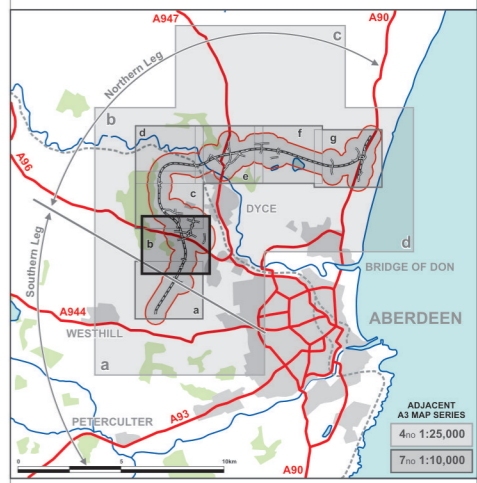
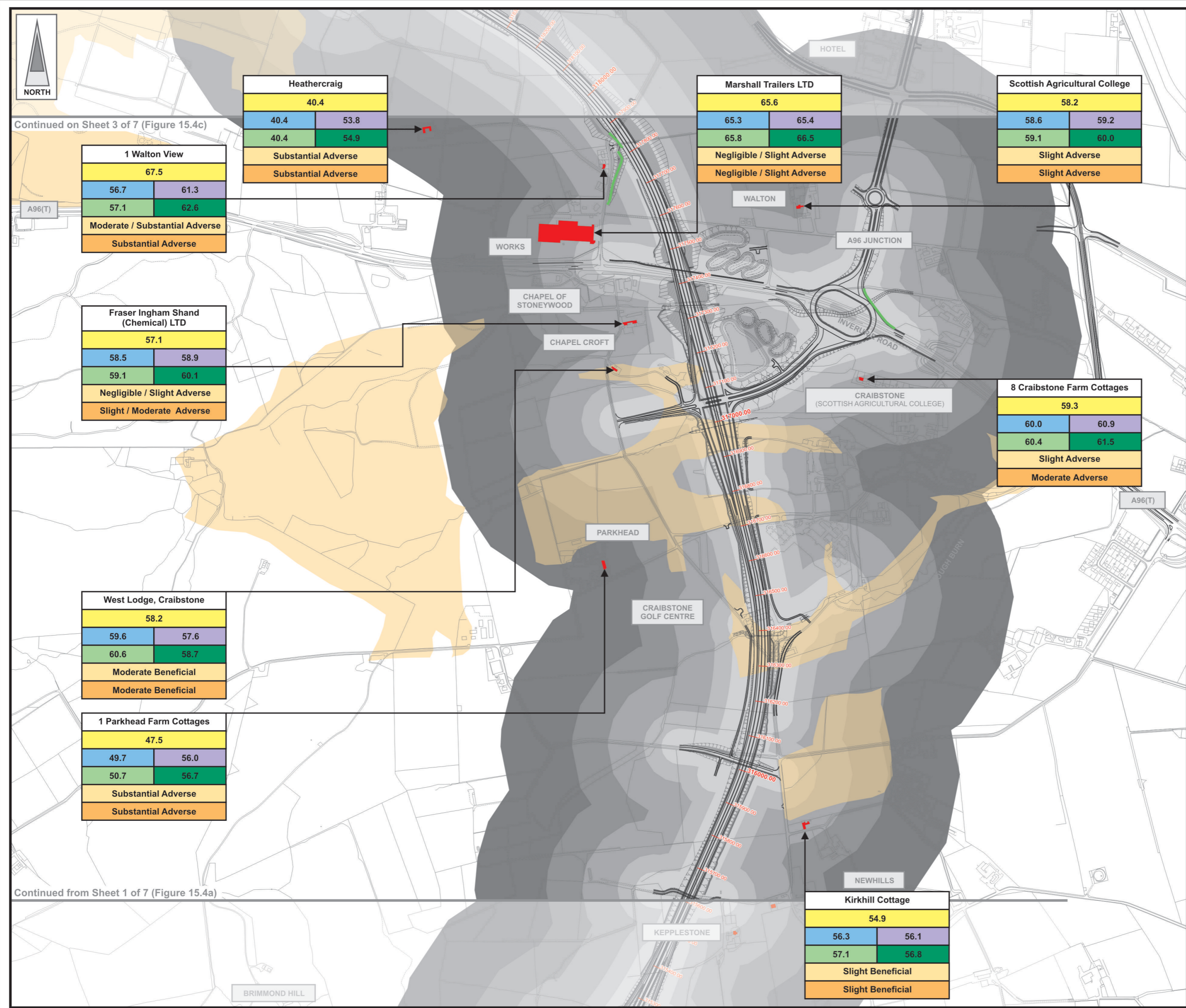
Project: Aberdeen Western Peripheral Route
Environmental Statement, Part B - Northern Leg

Title: Predicted $L_{A10(18hours)}$ dB with Mitigation (Receiver Height = 4.5m)
Sheet 1 of 7

Drawing Status	FINAL	Revisions	
JB No.	0010332	Date	July 2007
Figure No.	FIGURE 15.4a	Checked	BMcK
Scale	1:10,000	Approved	SH
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FIGURE 15.4b



LEGEND

Proposed Route (Engineering Profile 04/05/2007)

- 0-50m
- >50-100m
- >100-200m
- >200-300m
- >300-500m
- Sample Properties
- Non Residential Receptors

Additional Mitigation

- Noise Barrier

Location Name	
BASE 2005*	
Do Minimum* Year of Opening	Do Something Year of Opening
Do Minimum Design Year*	Do Something Design Year
SIGNIFICANCE OF IMPACT Year of Opening	
SIGNIFICANCE OF IMPACT Design Year	

*Where a property is outside 300m of an existing road the L_{A90,T} dB has been used as a proxy for the existing noise level.

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Client: **Aberdeen Western Peripheral Route**

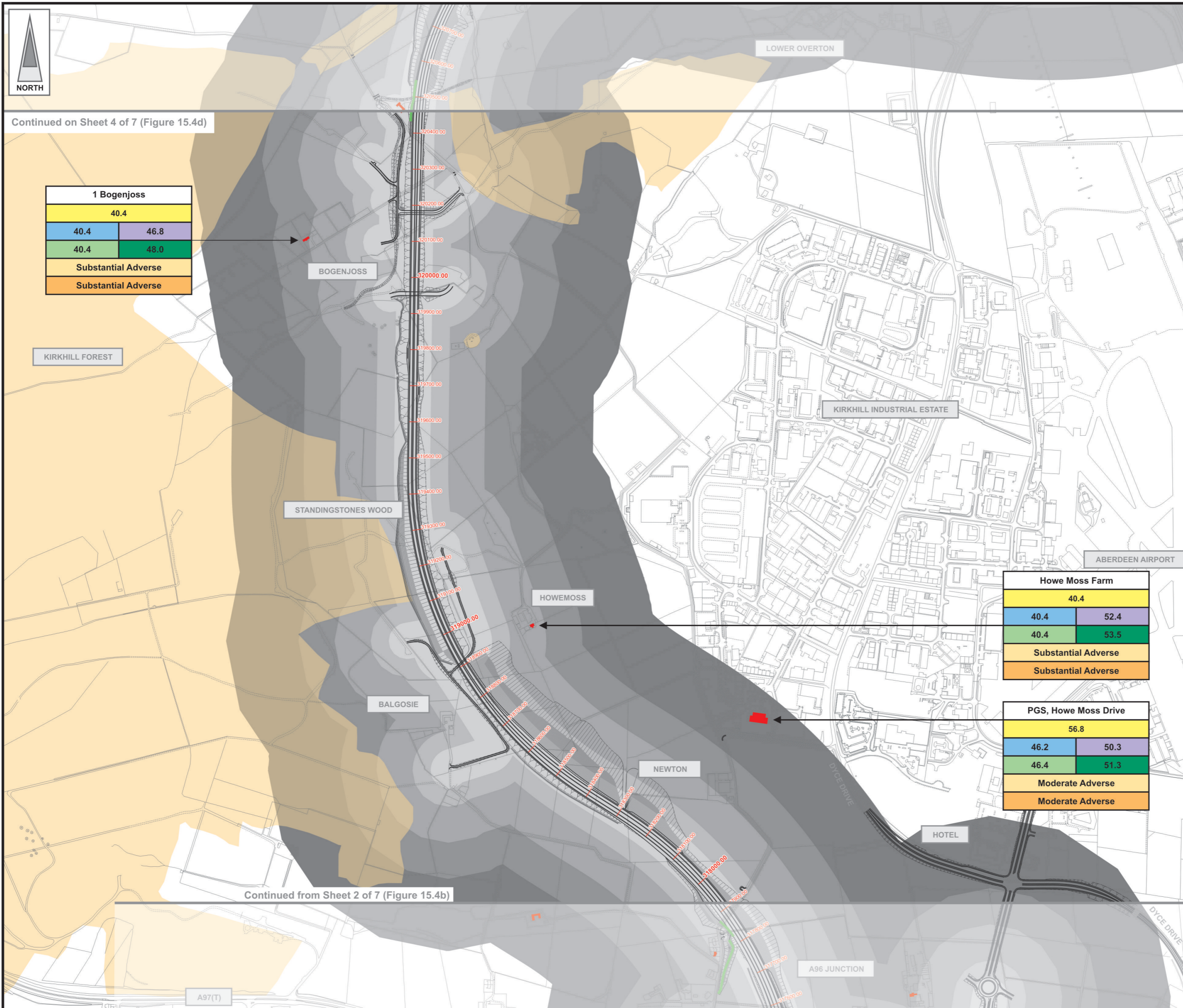
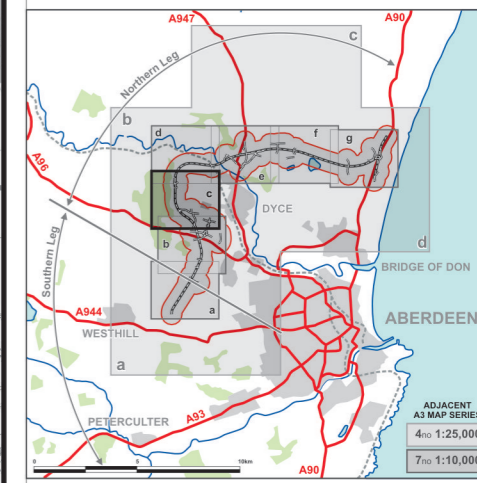
Project: **Aberdeen Western Peripheral Route Environmental Statement, Part B - Northern Leg**

Title: **Predicted L_{A10(18hours)} dB with Mitigation (Receiver Height = 4.5m) Sheet 2 of 7**

Drawing Status	FINAL	Revisions	
JB No.	0010332	Date	July 2007
Figure No.	FIGURE 15.4b	Checked	BMcK
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FIGURE 15.4c



Continued on Sheet 4 of 7 (Figure 15.4d)

1 Bogenjoss	
40.4	
40.4	46.8
40.4	48.0
Substantial Adverse	
Substantial Adverse	

Howe Moss Farm	
40.4	
40.4	52.4
40.4	53.5
Substantial Adverse	
Substantial Adverse	

PGS, Howe Moss Drive	
56.8	
46.2	50.3
46.4	51.3
Moderate Adverse	
Moderate Adverse	

LEGEND

Proposed Route (Engineering Profile 04/05/2007)

- 0-50m
- >50-100m
- >100-200m
- >200-300m
- >300-500m
- Sample Properties
- Non Residential Receptors

Additional Mitigation

Noise Barrier

Location Name	
BASE 2005*	
Do Minimum* Year of Opening	Do Something Year of Opening
Do Minimum Design Year*	Do Something Design Year
SIGNIFICANCE OF IMPACT Year of Opening	
SIGNIFICANCE OF IMPACT Design Year	

*Where a property is outside 300m of an existing road the L_{A90,T} dB has been used as a proxy for the existing noise level.

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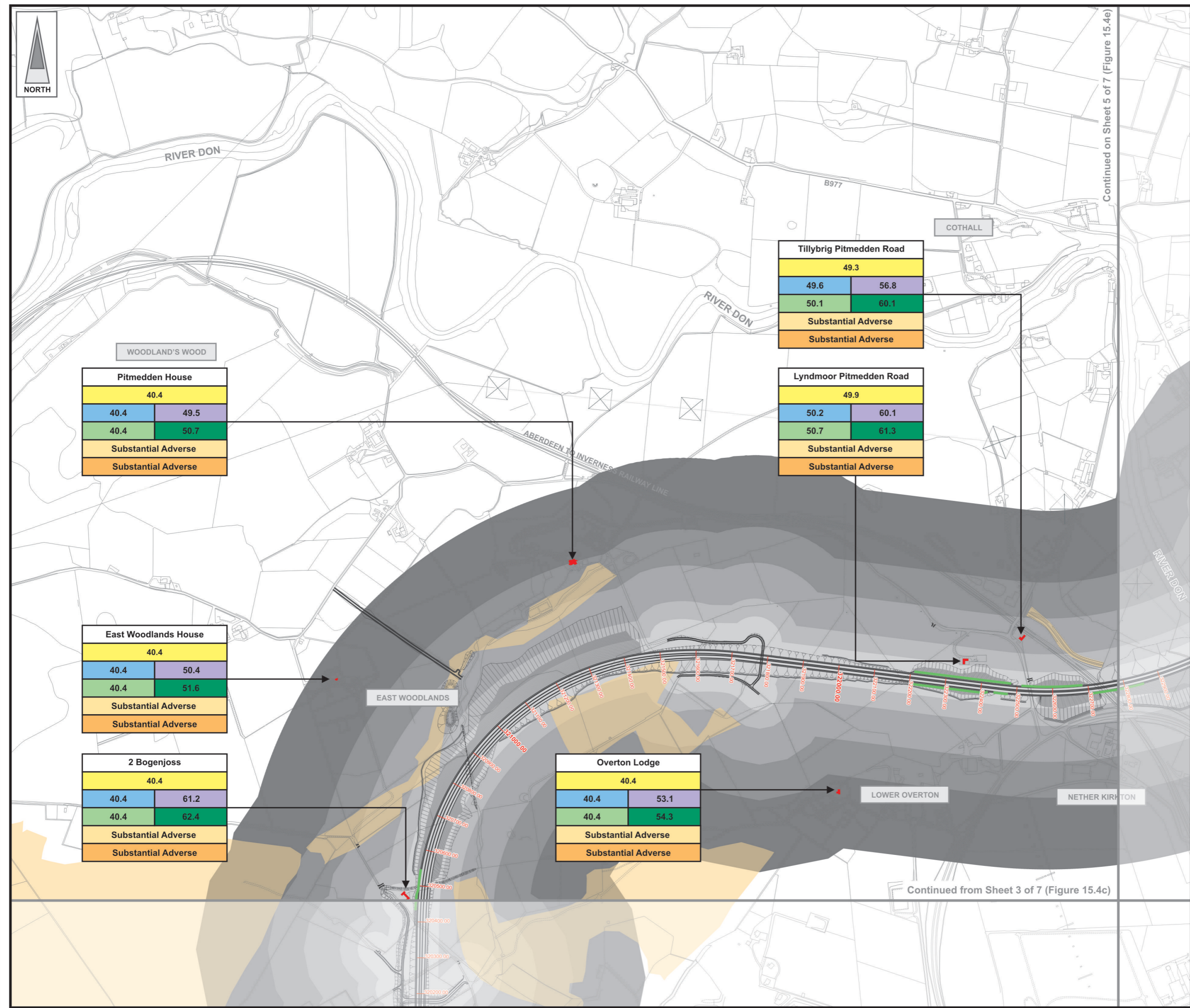
Client **Aberdeen Western Peripheral Route**

Project **Aberdeen Western Peripheral Route Environmental Statement, Part B - Northern Leg**

Title **Predicted L_{A10(18hours)} dB with Mitigation (Receiver Height = 4.5m) Sheet 3 of 7**

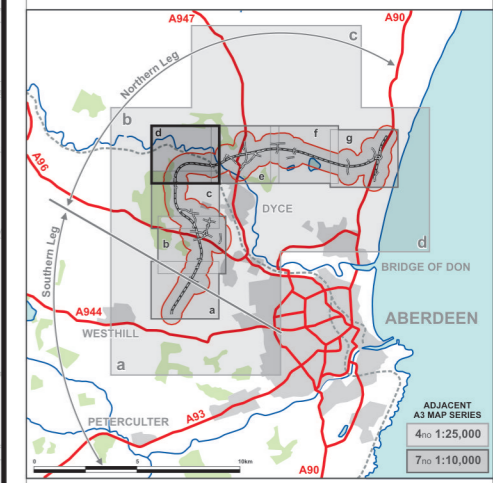
Drawing Status	FINAL	Revisions	
JB No.	0010332	Date	July 2007
Figure No.	FIGURE 15.4c	Checked	BMcK
Scale	1:10,000	Approved	SH
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FIGURE 15.4d



Continued on Sheet 5 of 7 (Figure 15.4e)

Continued from Sheet 3 of 7 (Figure 15.4c)



LEGEND

Proposed Route
(Engineering Profile 04/05/2007)

0-50m
>50-100m
>100-200m
>200-300m
>300-500m

Sample Properties

Non Residential Receptors

Additional Mitigation

Noise Barrier

Location Name	
BASE 2005*	
Do Minimum* Year of Opening	Do Something Year of Opening
Do Minimum Design Year*	Do Something Design Year
SIGNIFICANCE OF IMPACT Year of Opening	
SIGNIFICANCE OF IMPACT Design Year	

*Where a property is outside 300m of an existing road the L_{A90,T} dB has been used as a proxy for the existing noise level.

Pitmedden House

40.4	
40.4	49.5
40.4	50.7
Substantial Adverse	
Substantial Adverse	

Tillybrig Pitmedden Road

49.3	
49.6	56.8
50.1	60.1
Substantial Adverse	
Substantial Adverse	

Lyndmoor Pitmedden Road

49.9	
50.2	60.1
50.7	61.3
Substantial Adverse	
Substantial Adverse	

East Woodlands House

40.4	
40.4	50.4
40.4	51.6
Substantial Adverse	
Substantial Adverse	

Overton Lodge

40.4	
40.4	53.1
40.4	54.3
Substantial Adverse	
Substantial Adverse	

2 Bogenjoss

40.4	
40.4	61.2
40.4	62.4
Substantial Adverse	
Substantial Adverse	

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Client **Aberdeen Western Peripheral Route**

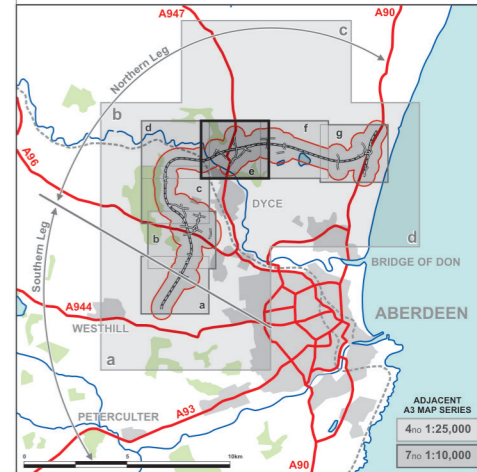
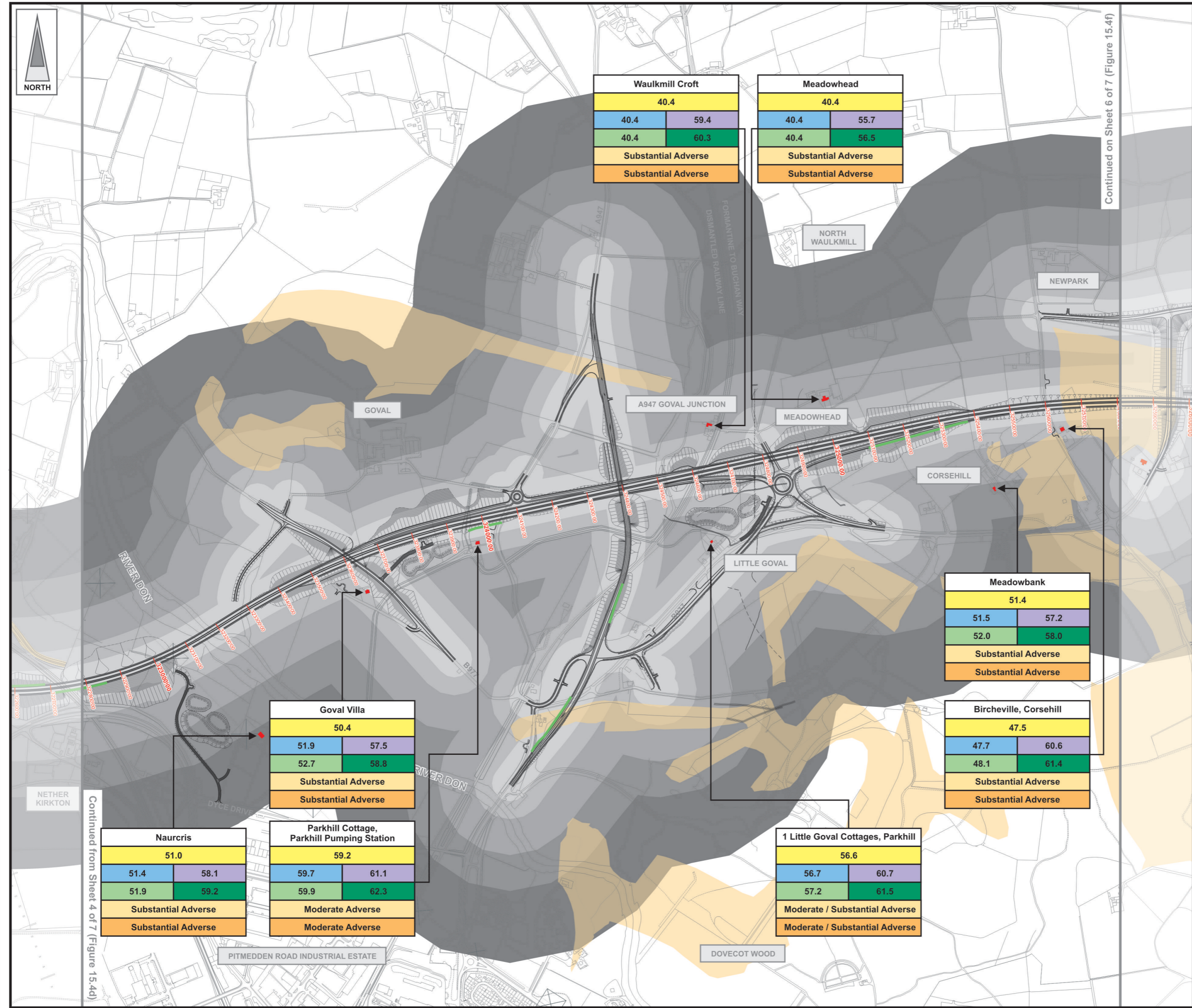
Project **Aberdeen Western Peripheral Route Environmental Statement, Part B - Northern Leg**

Title **Predicted L_{A10(18hours)} dB with Mitigation (Receiver Height = 4.5m) Sheet 4 of 7**

Drawing Status	FINAL	Revisions	
JB No.	0010332	Date	July 2007
Figure No.	FIGURE 15.4d	Checked	BMcK
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FIGURE 15.4e



LEGEND

- Proposed Route (Engineering Profile 04/05/2007)
- 0-50m
- >50-100m
- >100-200m
- >200-300m
- >300-500m
- Sample Properties
- Non Residential Receptors

Additional Mitigation

- Noise Barrier

Location Name	
BASE 2005*	
Do Minimum* Year of Opening	Do Something Year of Opening
Do Minimum* Design Year	Do Something Design Year
SIGNIFICANCE OF IMPACT Year of Opening	
SIGNIFICANCE OF IMPACT Design Year	

*Where a property is outside 300m of an existing road the L_{A90,T} dB has been used as a proxy for the existing noise level.

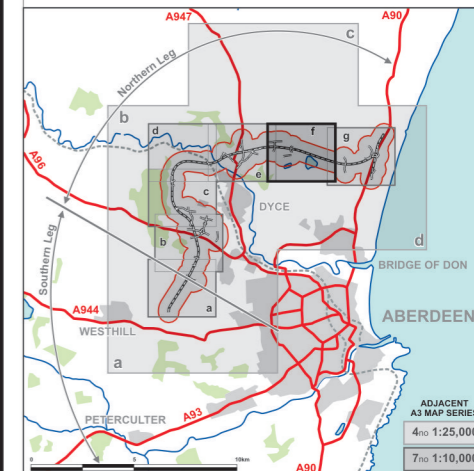
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Client	Aberdeen Western Peripheral Route	
Project	Aberdeen Western Peripheral Route Environmental Statement, Part B - Northern Leg	
Title	Predicted L _{A10(18hours)} dB with Mitigation (Receiver Height = 4.5m) Sheet 5 of 7	
Drawing Status	FINAL	
JB No.	0010332	
Figure No.	FIGURE 15.4e	Revisions
Scale	1:10,000	Date July 2007
Drawn	DF	Checked BMcK
		Approved SH

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FIGURE 15.4f



LEGEND

- Proposed Route (Engineering Profile 04/05/2007)
- 0-50m
- >50-100m
- >100-200m
- >200-300m
- >300-500m
- Sample Properties
- Non Residential Receptors

Additional Mitigation

- Noise Barrier

Location Name	
BASE 2005*	
Do Minimum* Year of Opening	Do Something Year of Opening
Do Minimum* Design Year*	Do Something Design Year*
SIGNIFICANCE OF IMPACT Year of Opening	
SIGNIFICANCE OF IMPACT Design Year	

*Where a property is outside 300m of an existing road the L_{A90,T} dB has been used as a proxy for the existing noise level.

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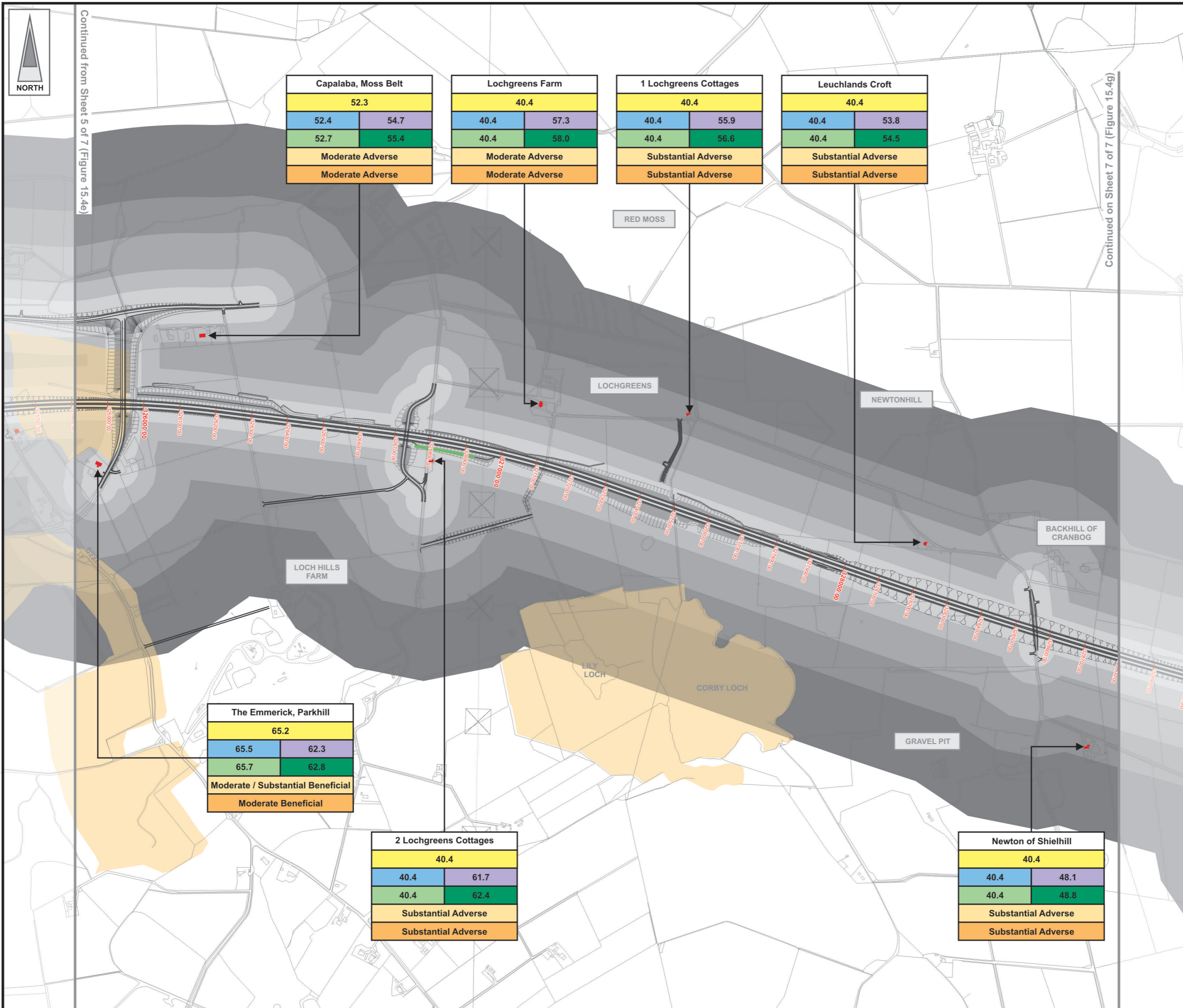
Client: Aberdeen Western Peripheral Route

Project: Aberdeen Western Peripheral Route Environmental Statement, Part B - Northern Leg

Title: Predicted L_{A10(18hours)} dB with Mitigation (Receiver Height = 4.5m) Sheet 6 of 7

Drawing Status	FINAL	Revisions	
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Capalaba, Moss Belt	
52.3	
52.4	54.7
52.7	55.4
Moderate Adverse	
Moderate Adverse	

Lochgreens Farm	
40.4	
40.4	57.3
40.4	58.0
Moderate Adverse	
Moderate Adverse	

1 Lochgreens Cottages	
40.4	
40.4	55.9
40.4	56.6
Substantial Adverse	
Substantial Adverse	

Leuchlands Croft	
40.4	
40.4	53.8
40.4	54.5
Substantial Adverse	
Substantial Adverse	

The Emmerick, Parkhill	
65.2	
65.5	62.3
65.7	62.8
Moderate / Substantial Beneficial	
Moderate Beneficial	

2 Lochgreens Cottages	
40.4	
40.4	61.7
40.4	62.4
Substantial Adverse	
Substantial Adverse	

Newton of Shielhill	
40.4	
40.4	48.1
40.4	48.8
Substantial Adverse	
Substantial Adverse	



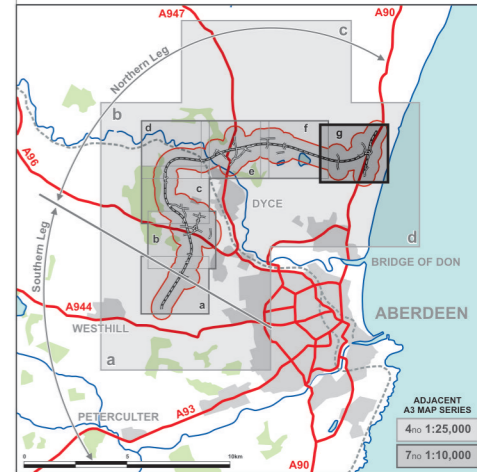
Continued from Sheet 5 of 7 (Figure 15.4e)

Continued on Sheet 7 of 7 (Figure 15.4g)



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FIGURE 15.4g



LEGEND

Proposed Route (Engineering Profile 04/05/2007)

- 0-50m
- >50-100m
- >100-200m
- >200-300m
- >300-500m
- Sample Properties
- Non Residential Receptors

Additional Mitigation

- Noise Barrier

Location Name	
BASE 2005*	
Do Minimum* Year of Opening	Do Something Year of Opening
Do Minimum Design Year*	Do Something Design Year
SIGNIFICANCE OF IMPACT Year of Opening	
SIGNIFICANCE OF IMPACT Design Year	

*Where a property is outside 300m of an existing road the L_{A90,T} dB has been used as a proxy for the existing noise level.

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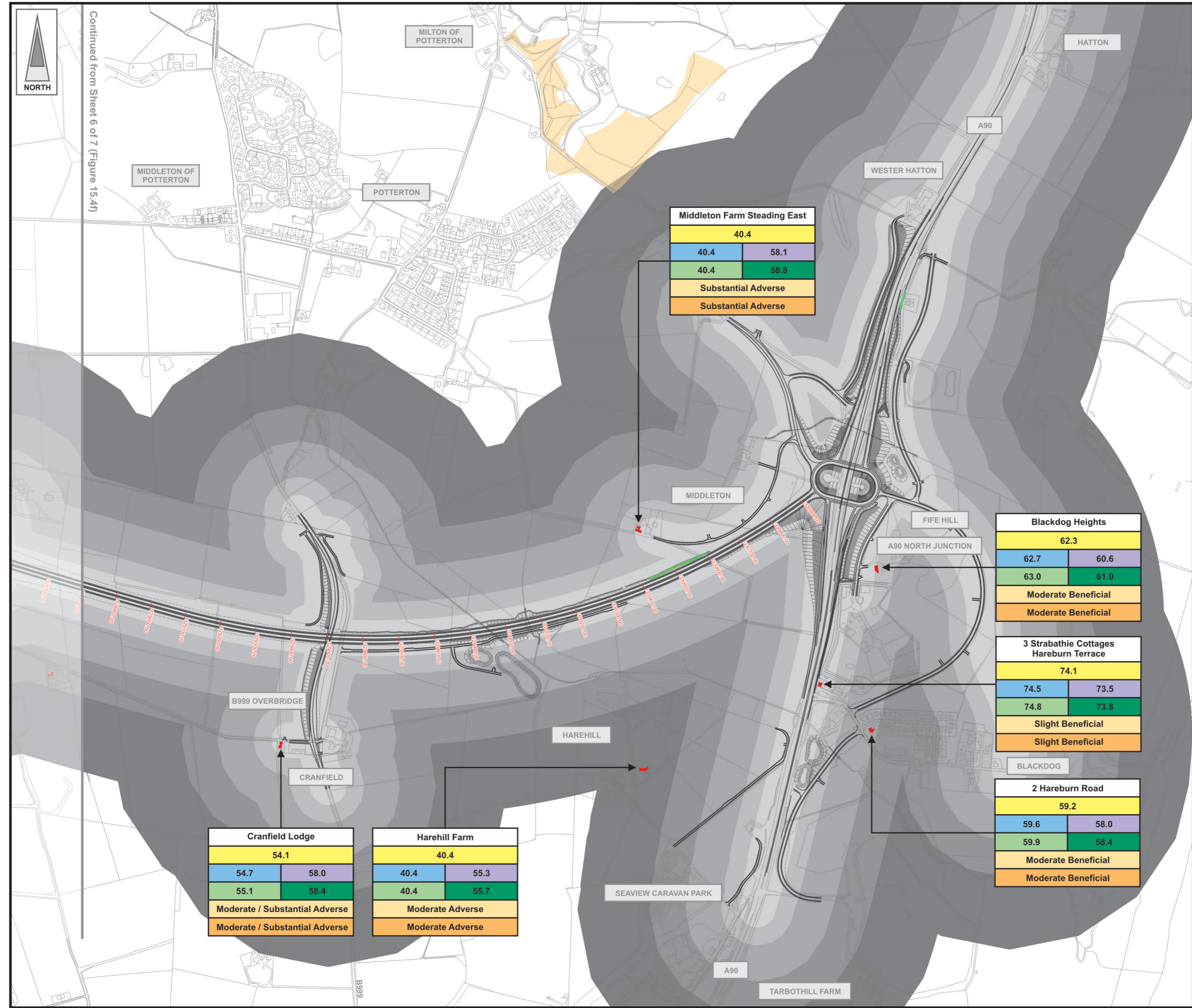
Client: Aberdeen Western Peripheral Route

Project: Aberdeen Western Peripheral Route Environmental Statement, Part B - Northern Leg

Title: Predicted L_{A10(18hours)} dB with Mitigation (Receiver Height = 4.5m) Sheet 7 of 7

Drawing Status	FINAL	Revisions	
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Mittleton Farm Steading East	
40.4	
40.4	58.1
40.4	58.8
Substantial Adverse	
Substantial Adverse	

Blackdog Heights	
62.3	
62.7	60.6
63.0	61.0
Moderate Beneficial	
Moderate Beneficial	

3 Strabathie Cottages Hareburn Terrace	
74.1	
74.5	73.5
74.8	73.8
Slight Beneficial	
Slight Beneficial	

2 Hareburn Road	
59.2	
59.6	58.0
59.9	58.4
Moderate Beneficial	
Moderate Beneficial	

Cranfield Lodge	
54.1	
54.7	58.0
55.1	58.4
Moderate / Substantial Adverse	
Moderate / Substantial Adverse	

Harehill Farm	
40.4	
40.4	55.3
40.4	55.7
Moderate Adverse	
Moderate Adverse	



Continued from Sheet 6 of 7 (Figure 15.4f)



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