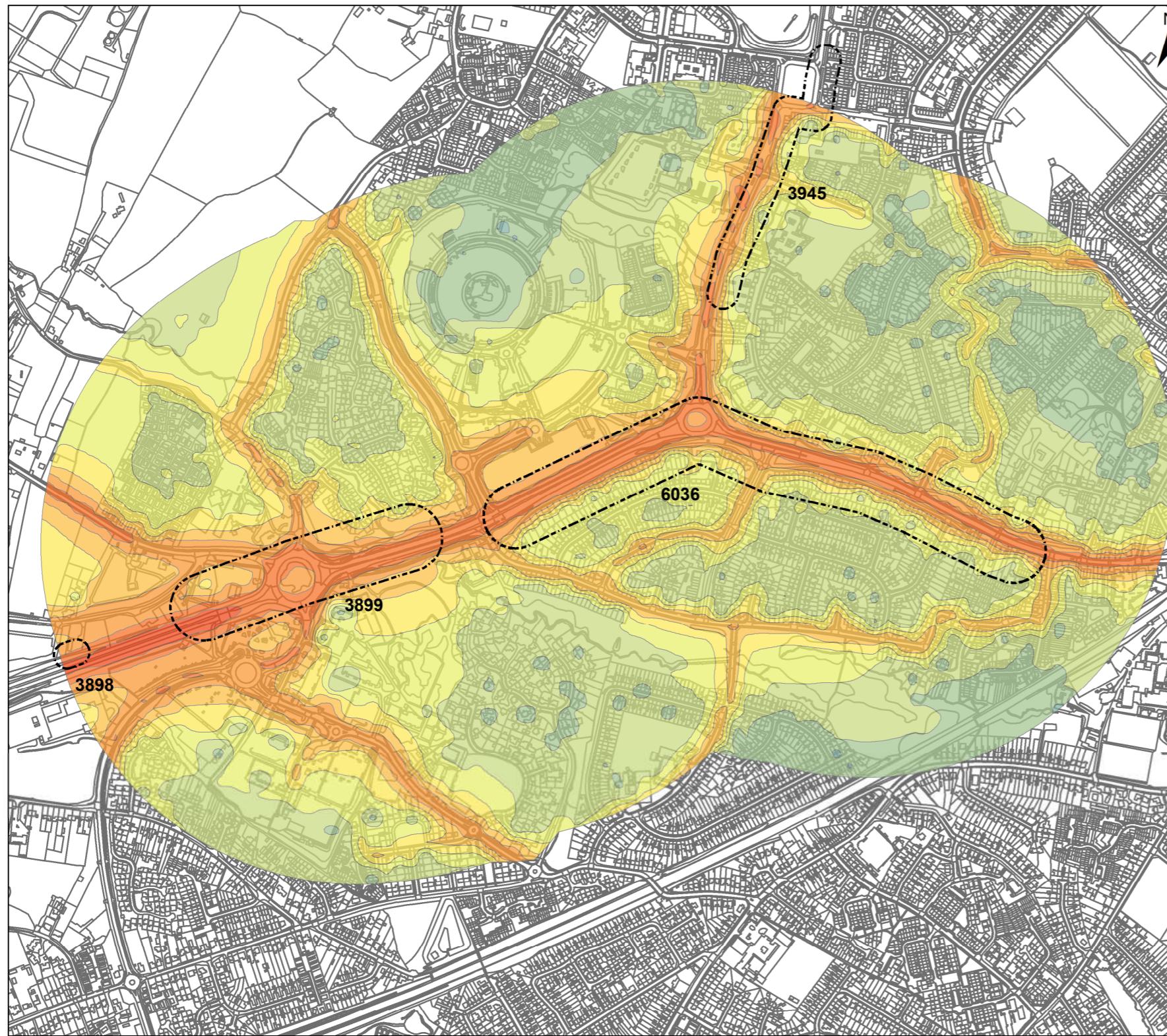
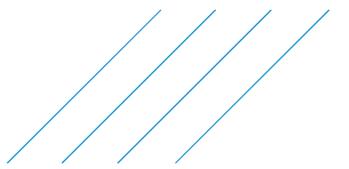


Figure 1: Absolute Noise Levels Daytime ($L_{A10, 18h}$), Do Minimum Opening Year (2021)


**5188790 - A40 Phase 3
Business Case**
Absolute Noise Levels:
Do Something Opening Year (Day)
Noise Important Areas
dB

25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
80 - 85

OS Mastermap


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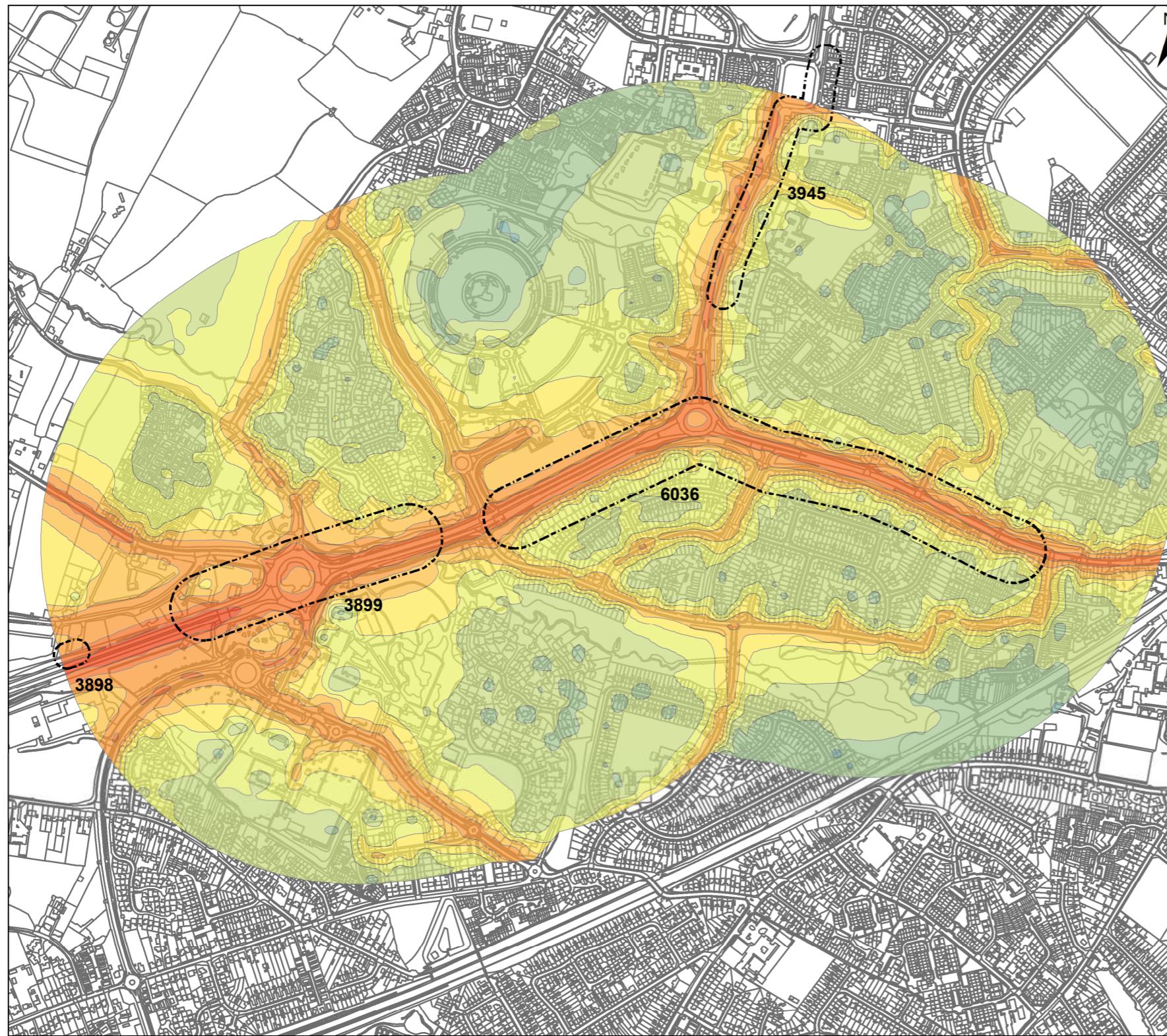
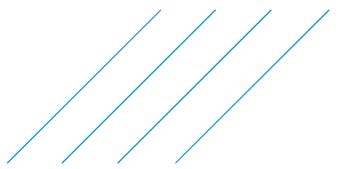
Data sources: Defra, Natural England, Ordnance Survey, ONS Geography

0 0.2 0.4 Km
Scale (at A3): 1:7,160

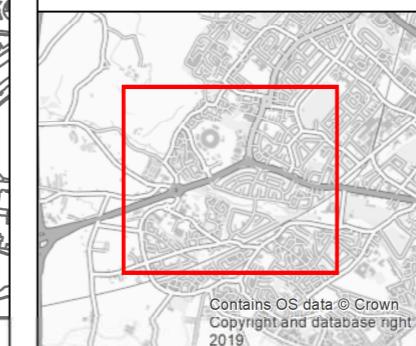
Status: S1	Purpose of Issue: For Coordination	Rev: 1	Model File Identifier: N/A
Reference: 5188790-ANV-DSOY-DAY-ABS	Drawn: DTB 13/03/2020	Checked: CH 13/03/2020	Authorised: PM

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Figure 2: Absolute Noise Levels Daytime ($L_{A10, 18h}$), Do Something Opening Year (2021)


**5188790 - A40 Phase 3
Business Case**
Absolute Noise Levels:
Do Something Design Year (Day)
Noise Important Areas
dB

25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
80 - 85
OS Mastermap



Data sources: Defra, Natural England, Ordnance Survey, ONS Geography

0 0.2 0.4 Km
Scale (at A3): 1:7,160

Status: S1	Purpose of Issue: For Coordination	Rev: 1	Model File Identifier: N/A
Reference: 5188970-ANV-DSDY-DAY-ABS	Drawn: DTB 13/03/2020	Checked: CH 13/03/2020	Authorised: PM

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Figure 3: Absolute Noise Levels Daytime ($L_{A10, 18h}$), Do Something Design Year (2031)

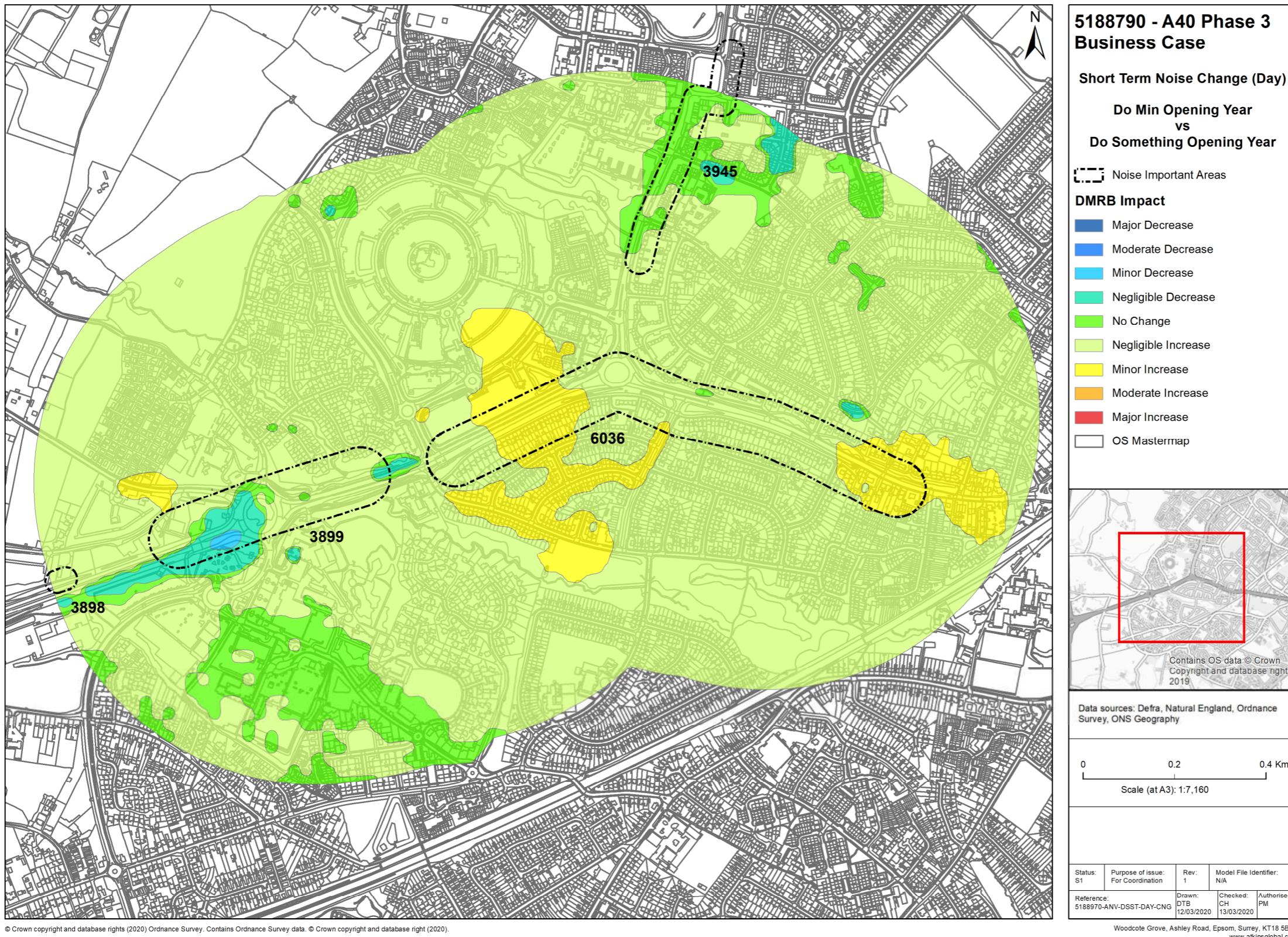
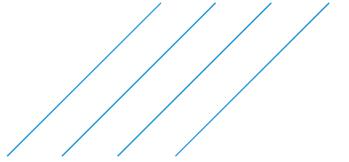


Figure 4: Noise Level Change Daytime (with scheme), Short-Term ($L_{A10, 18h}$) – Do Minimum Opening Year (2021) vs Do Something Opening Year (2021)

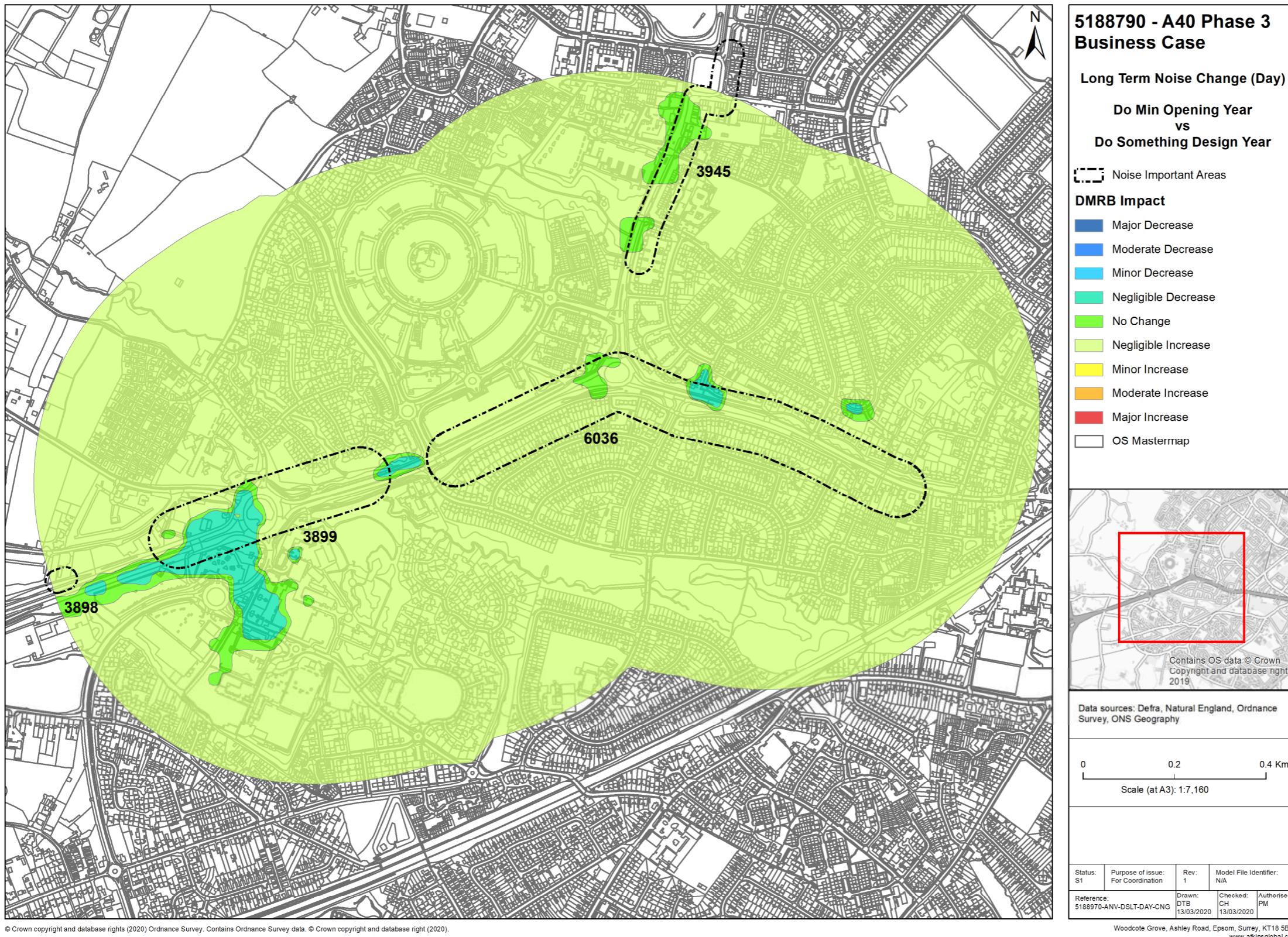
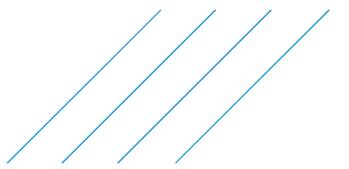
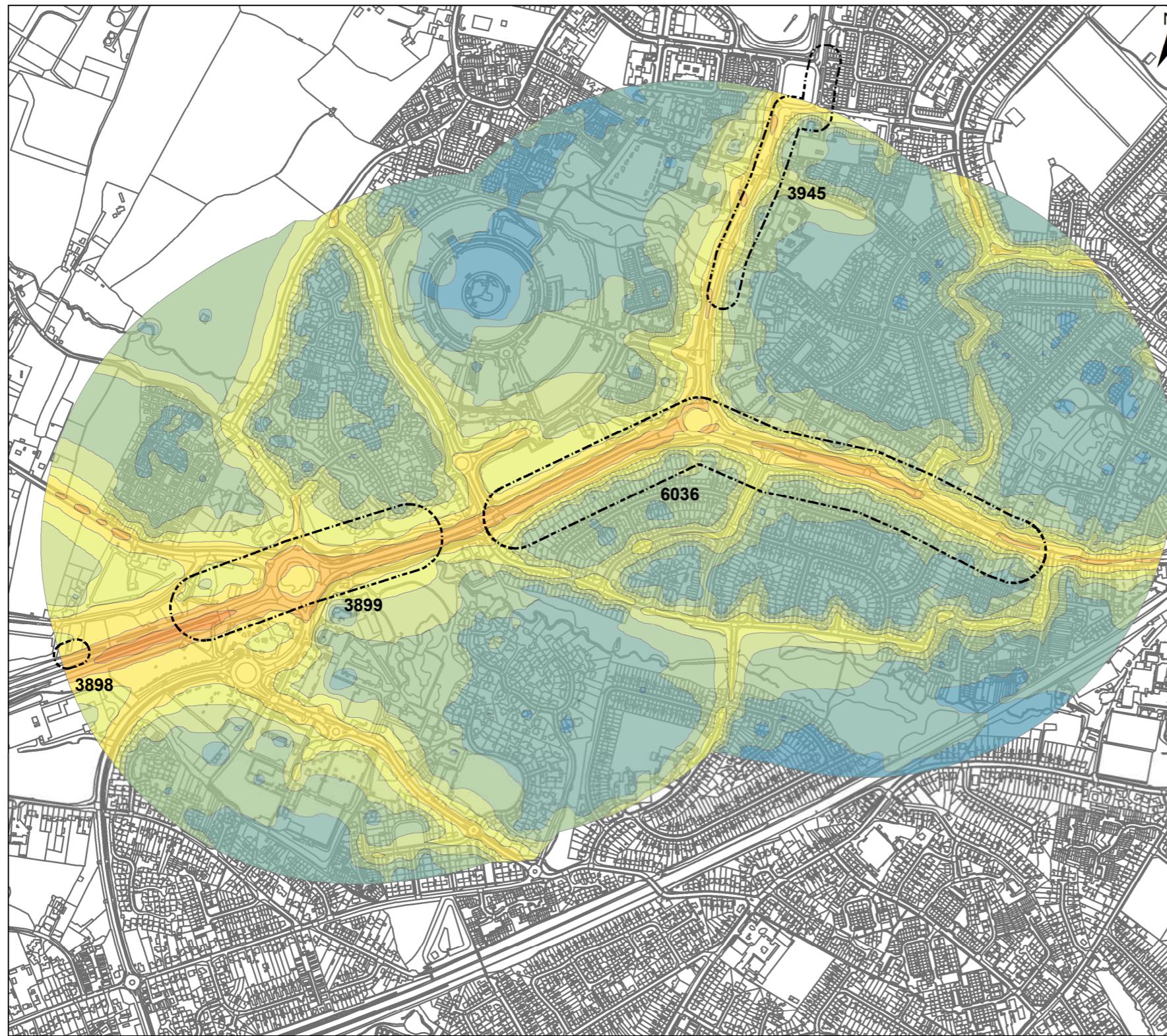
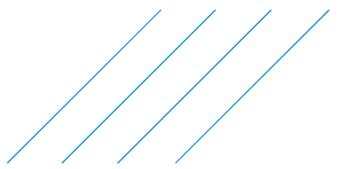


Figure 5: Noise Level Change Daytime (with scheme), Long-Term ($L_{A10, 18h}$) – Do Minimum Opening Year (2021) vs Do Something Design Year (2031)



**5188790 - A40 Phase 3
Business Case**

Absolute Noise Levels:

Do Min Opening Year (Night)

	Noise Important Areas
	30 - 35
	35 - 40
	40 - 45
	45 - 50
	50 - 55
	55 - 60
	60 - 65
	65 - 70
	OS Mastermap



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Data sources: Defra, Natural England, Ordnance Survey, ONS Geography

0 0.2 0.4 Km
Scale (at A3): 1:7,160

Status: S1	Purpose of Issue: For Coordination	Rev: 1	Model File Identifier: N/A
Reference: 5188790-ANV-DMOY-NGT-ABS	Drawn: DTB 13/03/2020	Checked: CH 13/03/2020	Authorised: PM 13/03/2020

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Figure 6: Absolute Noise Levels Night-time ($L_{A10, 18h}$), Do Minimum Opening Year (2021)

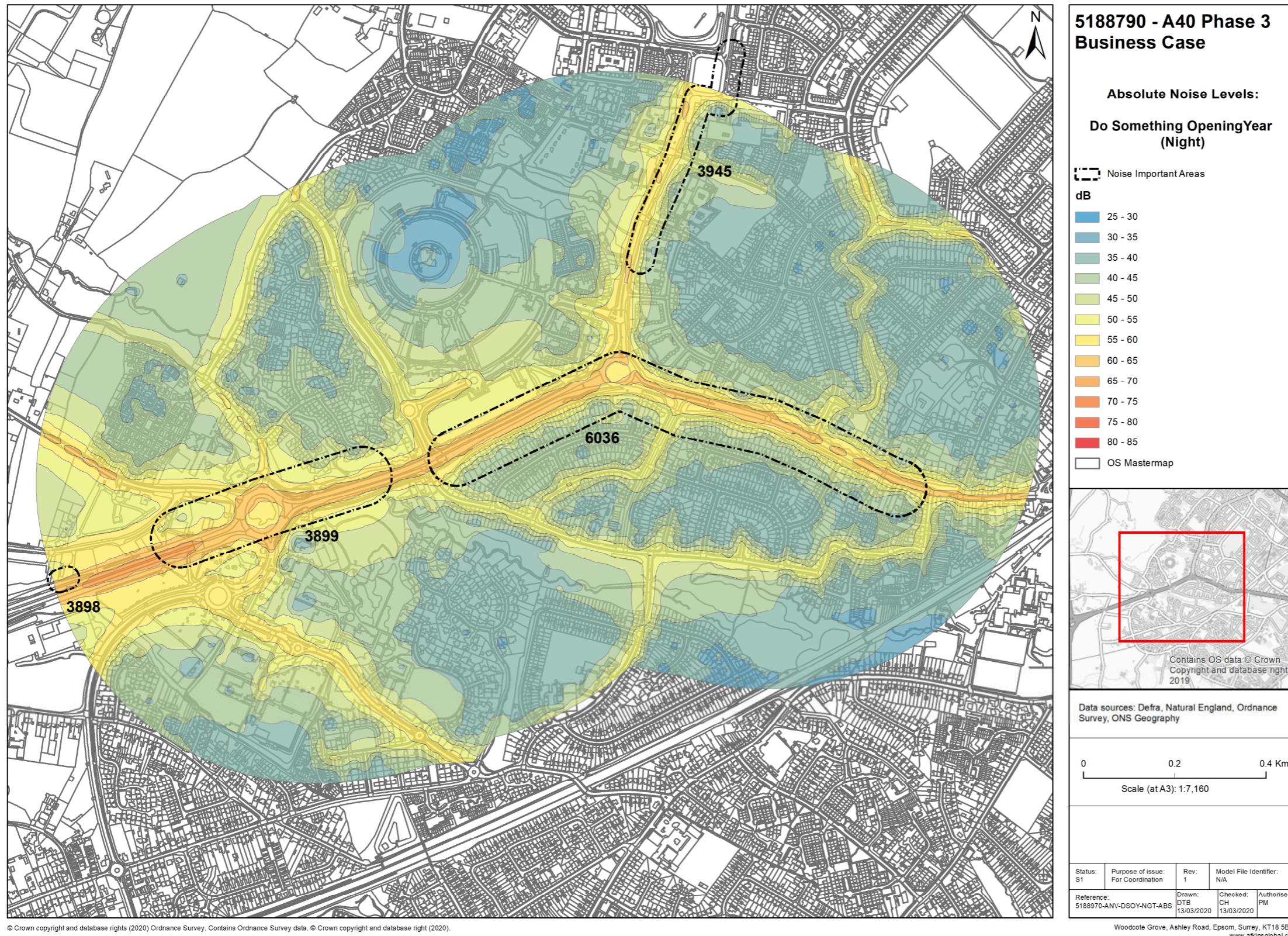
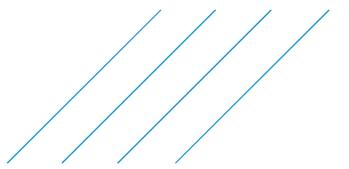
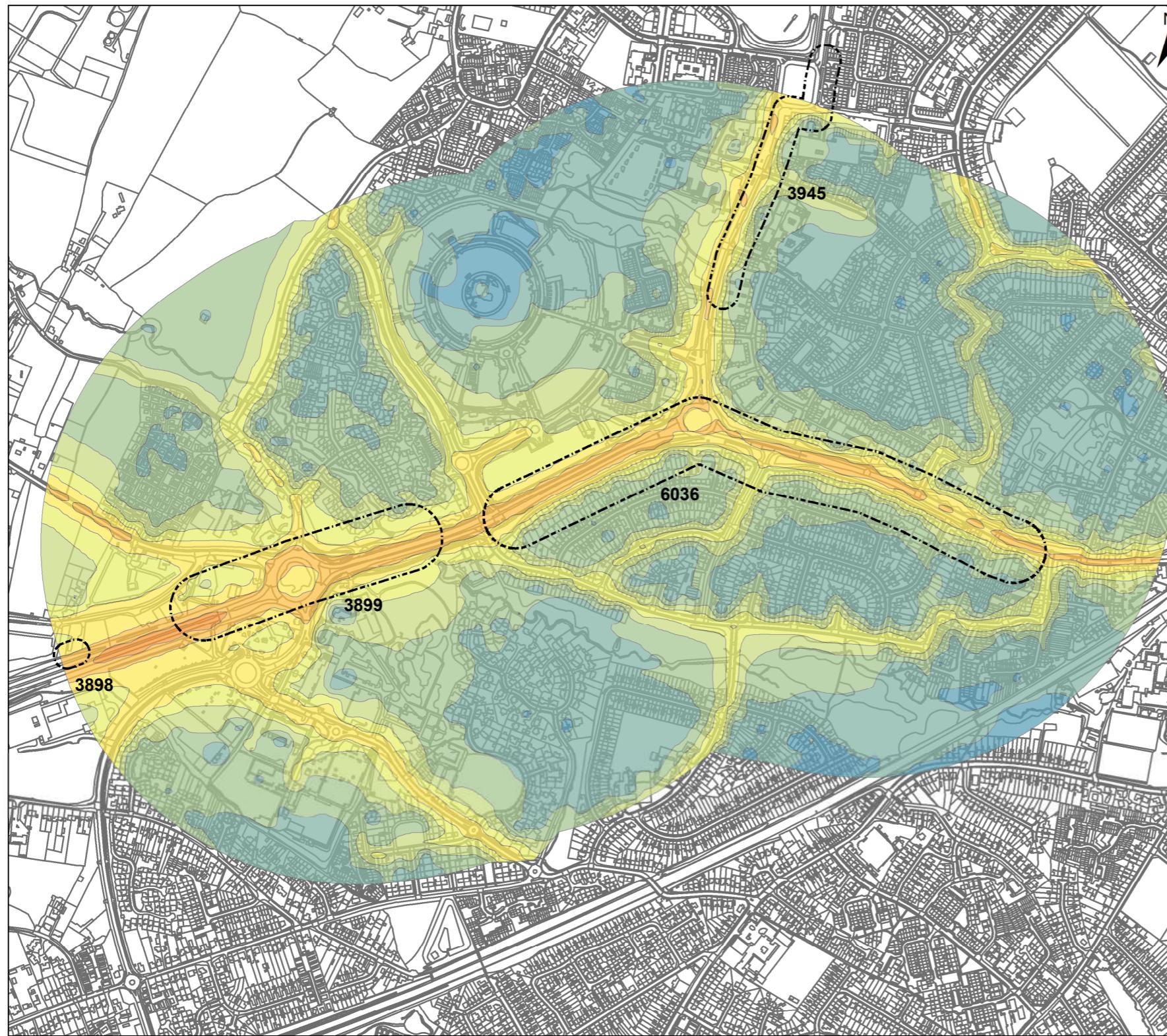
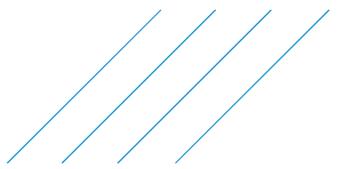


Figure 7: Absolute Noise Levels Night-time ($L_{A10, 18h}$), Do Something Opening Year (2021)



**5188790 - A40 Phase 3
Business Case**

Absolute Noise Levels:

Do Something Design Year (Night)

Noise Important Areas

dB
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
80 - 85
OS Mastermap



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Data sources: Defra, Natural England, Ordnance Survey, ONS Geography

0 0.2 0.4 Km
Scale (at A3): 1:7,160

Status: S1	Purpose of Issue: For Coordination	Rev: 1	Model File Identifier: N/A
Reference: 5188790-ANV-DSDY-NGT-ABS	Drawn: DTB 13/03/2020	Checked: CH 13/03/2020	Authorised: PM

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Figure 8: Absolute Noise Levels Night-time ($L_{A10, 18h}$), Do Something Design Year (2031)

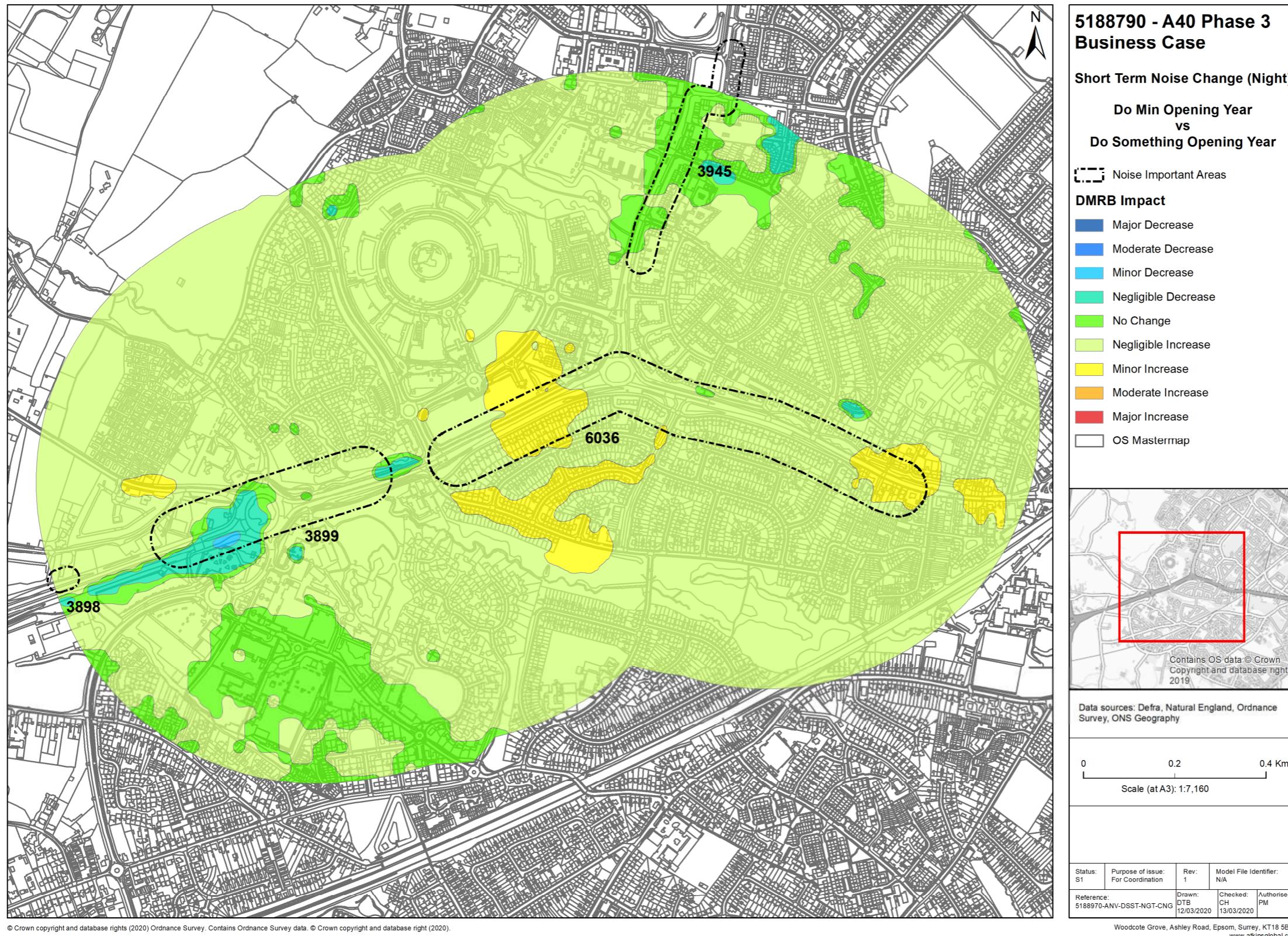
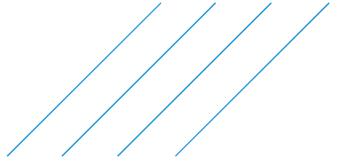


Figure 9: Noise Level Change Night-time (with scheme), Short-Term ($L_{A10, 18h}$) – Do Minimum Opening Year (2021) vs Do Something Opening Year (2021)

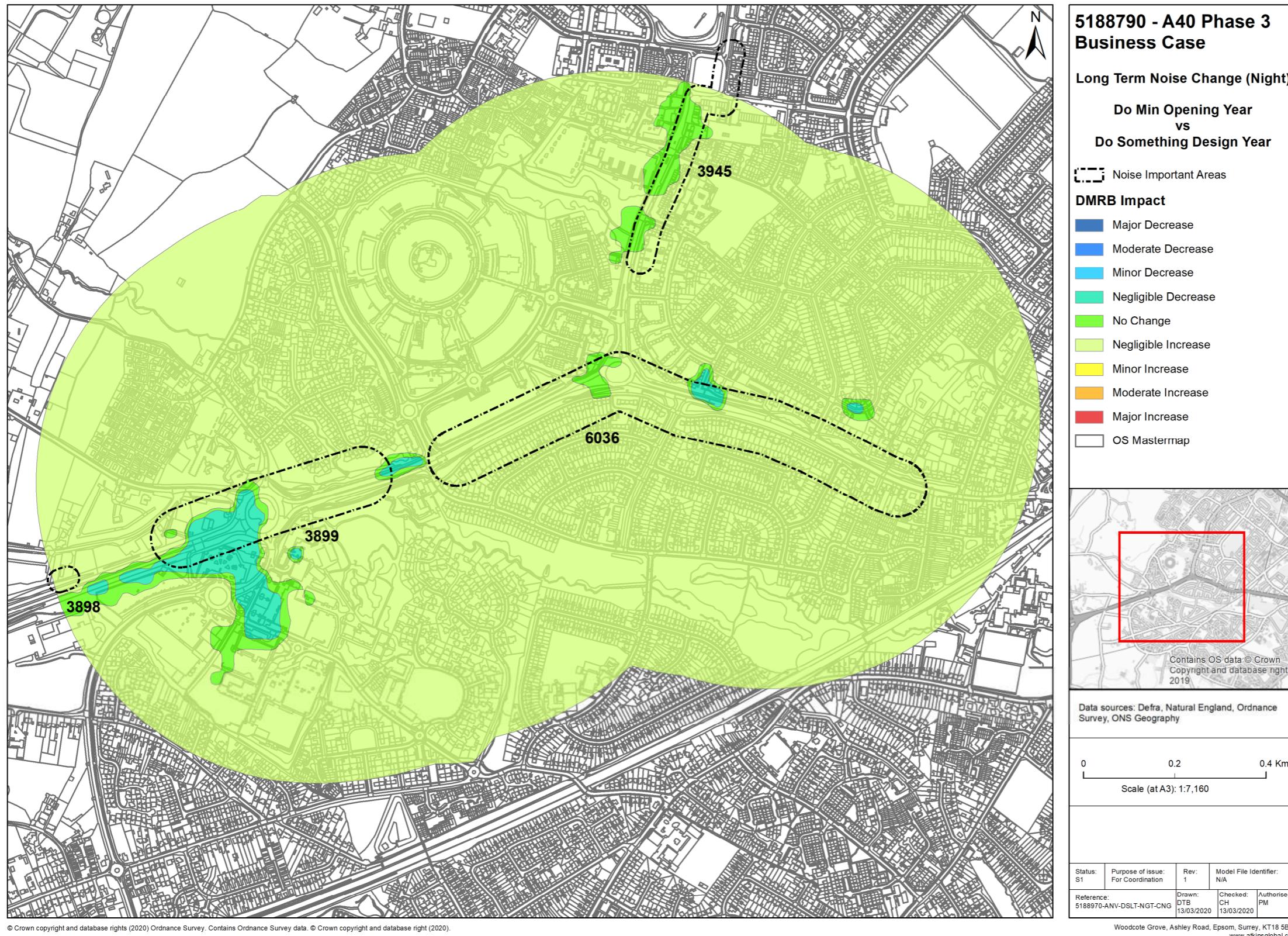
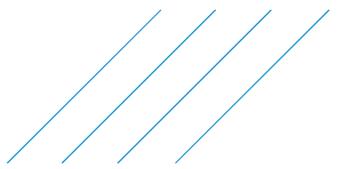


Figure 10: Noise Level Change Night-time (with scheme), Long-Term ($L_{A10, 18h}$) – Do Minimum Opening Year (2021) vs Do Something Design Year (2031)