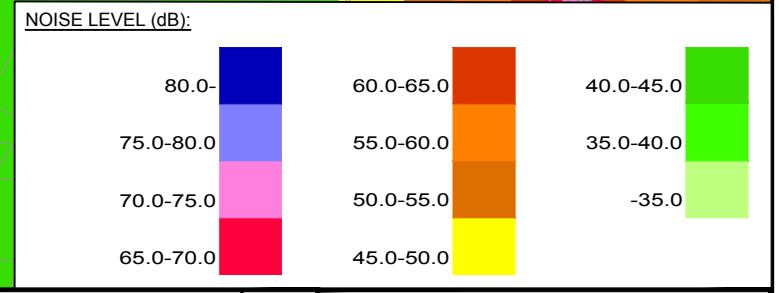
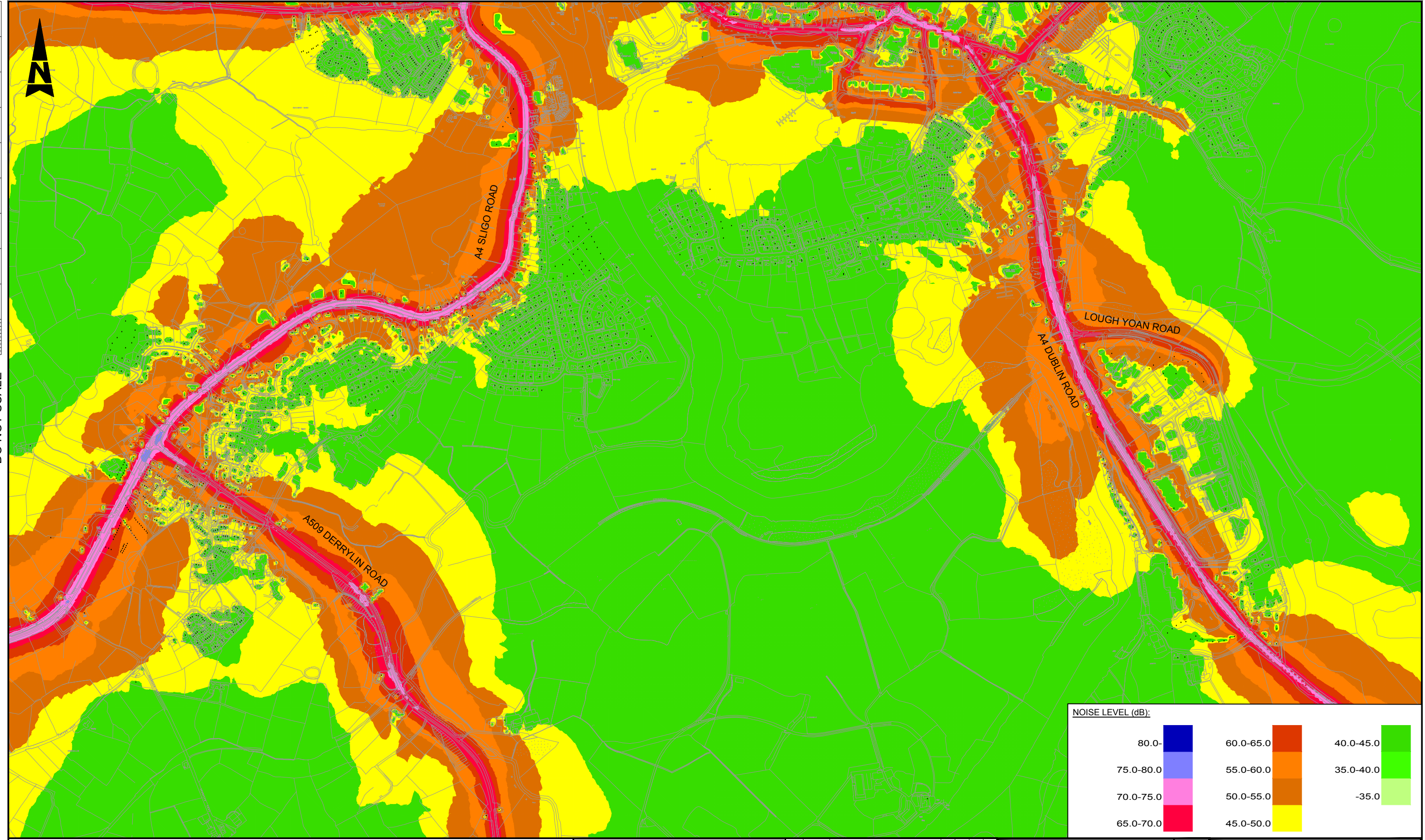


100
Millimetres
0 10
DO NOT SCALE



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Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL

FOR INFORMATION

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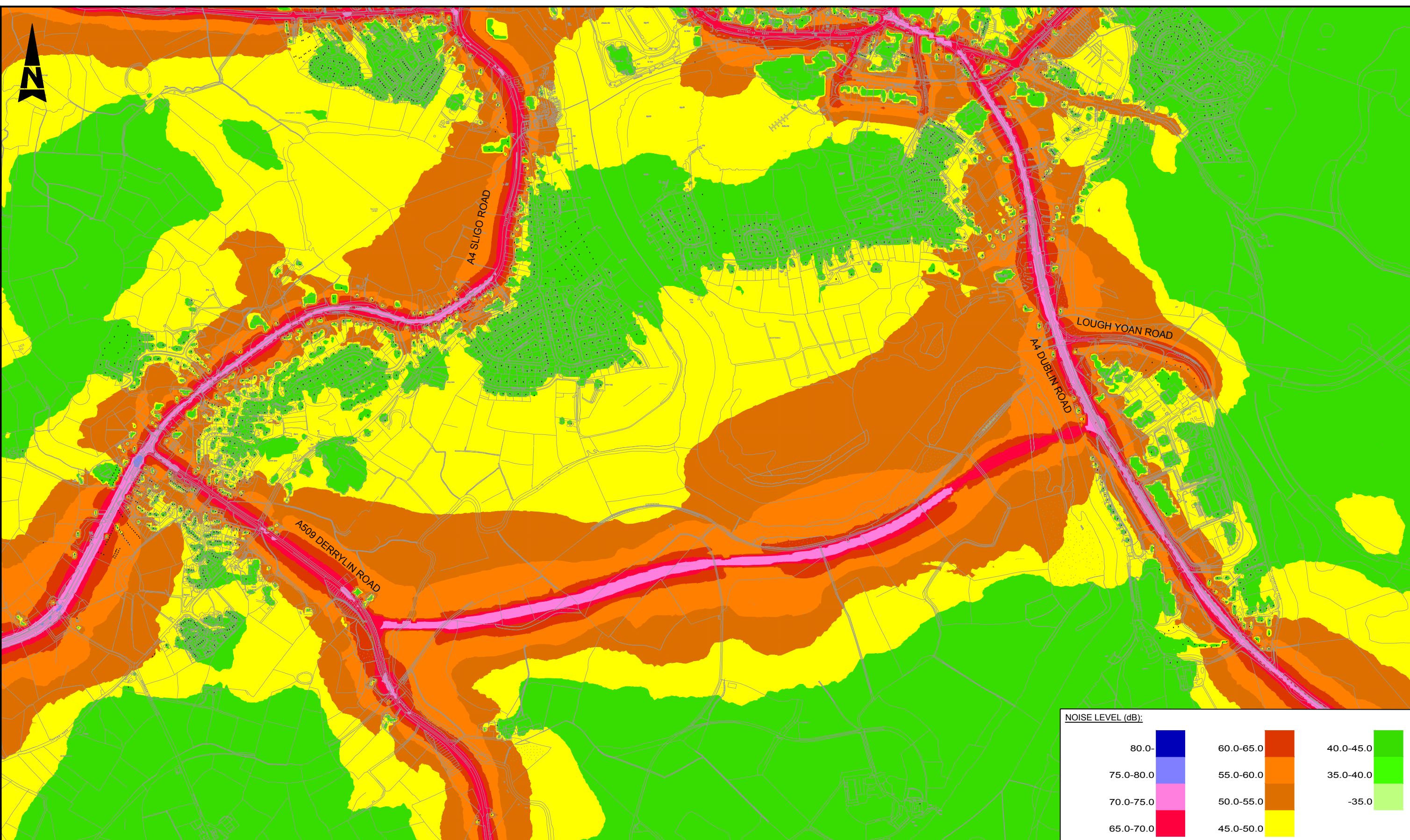
71 Old Channel Road
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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.1				
NOISE ASSESSMENT - CONTOUR MAPPING					
NOISE LEVELS IN 2020 WITHOUT THE SCHEME					
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0001				5148441
Location	Type	Role	Number	Revision	
				P01	

100
Millimetres
0 10
DO NOT SCALE



NOISE LEVEL (dB):

80.0-	60.0-65.0	40.0-45.0
75.0-80.0	55.0-60.0	35.0-40.0
70.0-75.0	50.0-55.0	-35.0
65.0-70.0	45.0-50.0	

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION						
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Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
P01	02/03/18	FIRST ISSUE	MT	JW	AL	AM
Rev.	Date	Description	Org	CHK'd	App'd	Aur'd

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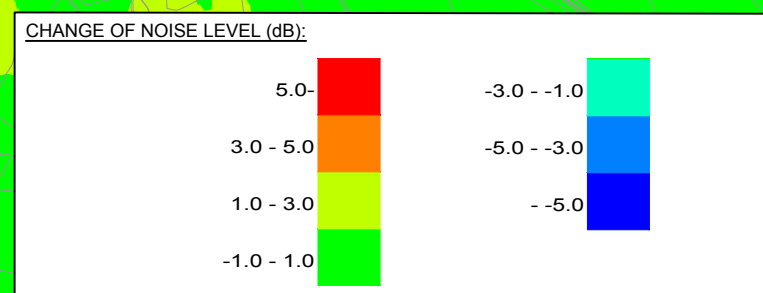
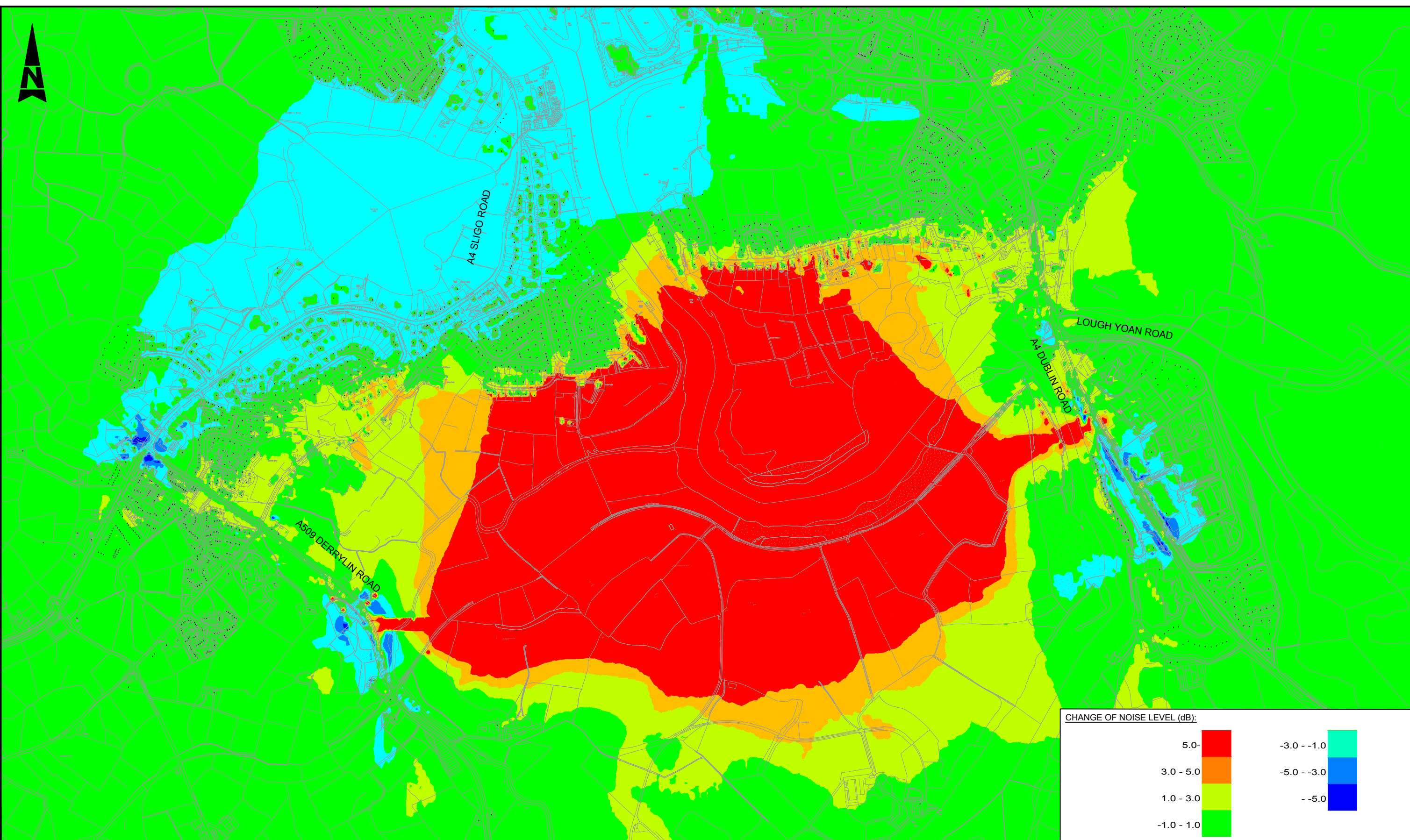
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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.2 NOISE ASSESSMENT - CONTOUR MAPPING WITH THE SCHEME AND NO MITIGATION				
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0002				5148441
Location	Type	Role	Number	Revision	P01

100
Millimetres
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DO NOT SCALE



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION						
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Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL
						AM

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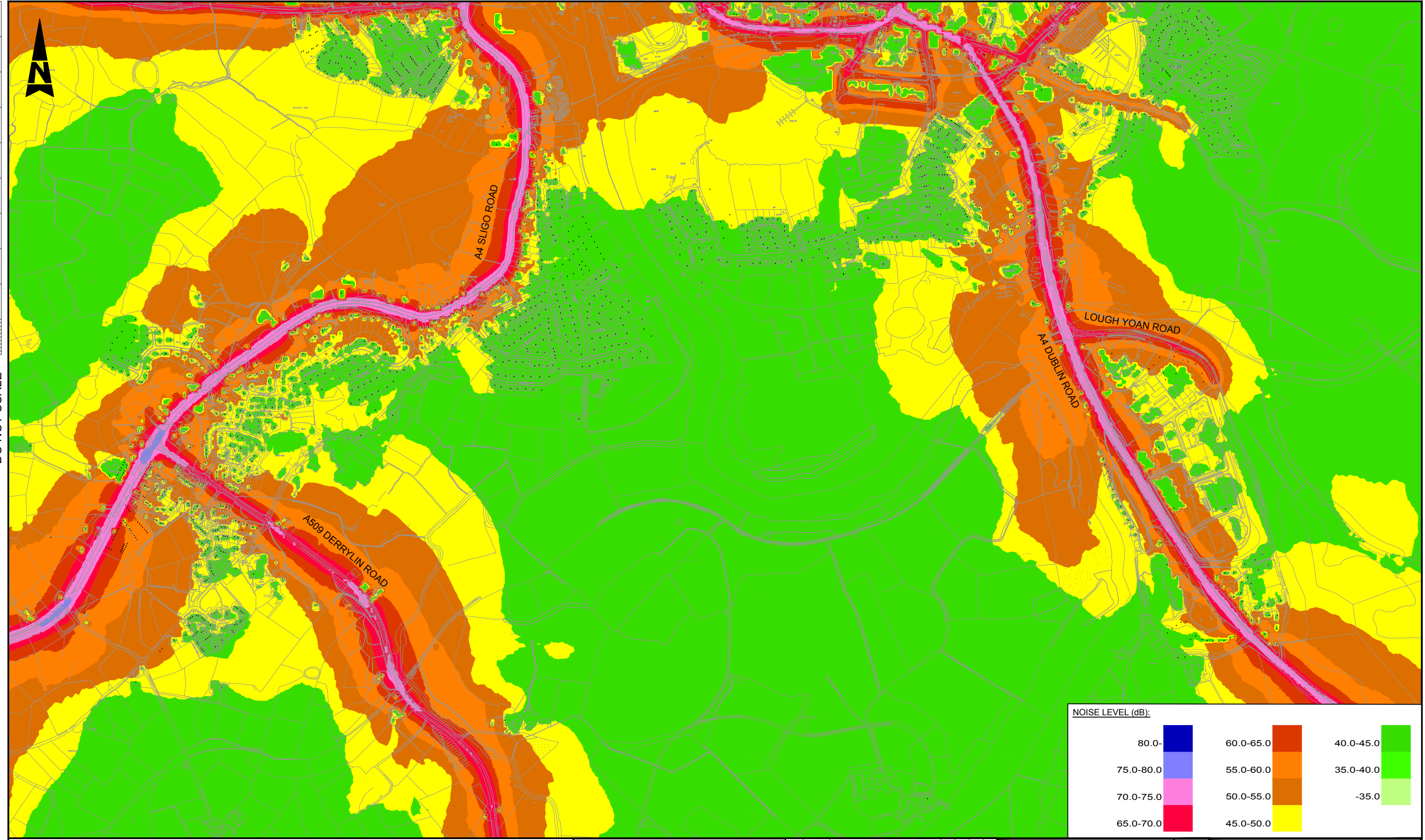
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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.3 NOISE ASSESSMENT - CONTOUR MAPPING CHANGE IN NOISE LEVELS IN 2020 WITH THE SCHEME IN PLACE AND NO MITIGATION				
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0003				5148441
Location	Type	Role	Number	Revision	
				P01	

100
Millimetres
0 10
DO NOT SCALE



NOISE LEVEL (dB):		
80.0-	60.0-65.0	40.0-45.0
75.0-80.0	55.0-60.0	35.0-40.0
70.0-75.0	50.0-55.0	-35.0
65.0-70.0	45.0-50.0	

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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Activity	MT	JW	AL	AM
Construction				
Maintenance / Cleaning				
Use				
Decommissioning / Demolition				

Rev.	Date	Description	Org	CHK'd	App'd	Auf'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL

FOR INFORMATION		Design Status	Project Title
S2		S2	A4 Enniskillen Southern Bypass

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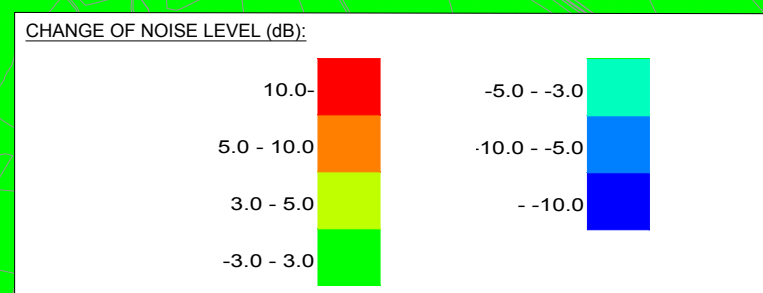
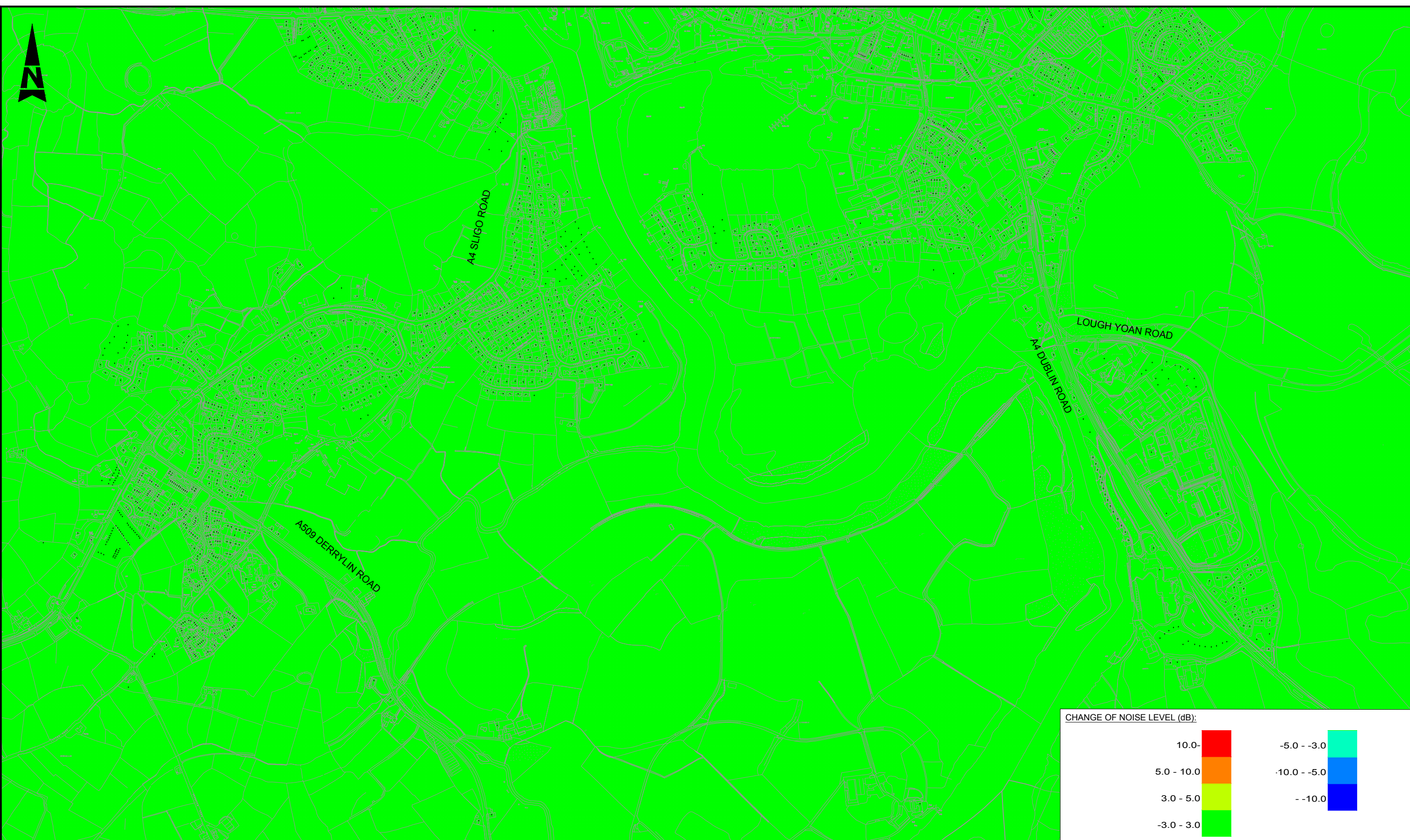
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Drawing Title		NOISE ASSESSMENT - CONTOUR MAPPING				
APPENDIX A14.4.4		NOISE LEVELS IN 2035 WITHOUT THE SCHEME				
Scale	1:10000	Originator	Checked	Approved	Authorised	
Original Size	A3	Date	Date	Date	Date	
Drawing Number	Project	Originator	Volume	Project Ref. No.	Revision	
	X0000 - DR - Z - 0004	ESB - ATK - ENV -		5148441	P01	
Location	Type	Role	Number			

100
 Millimetres
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 0
 DO NOT SCALE



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Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL

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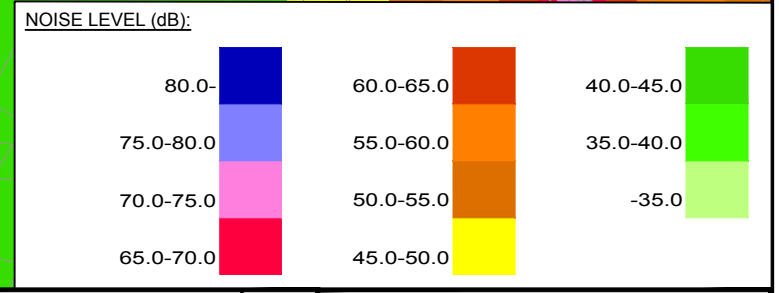
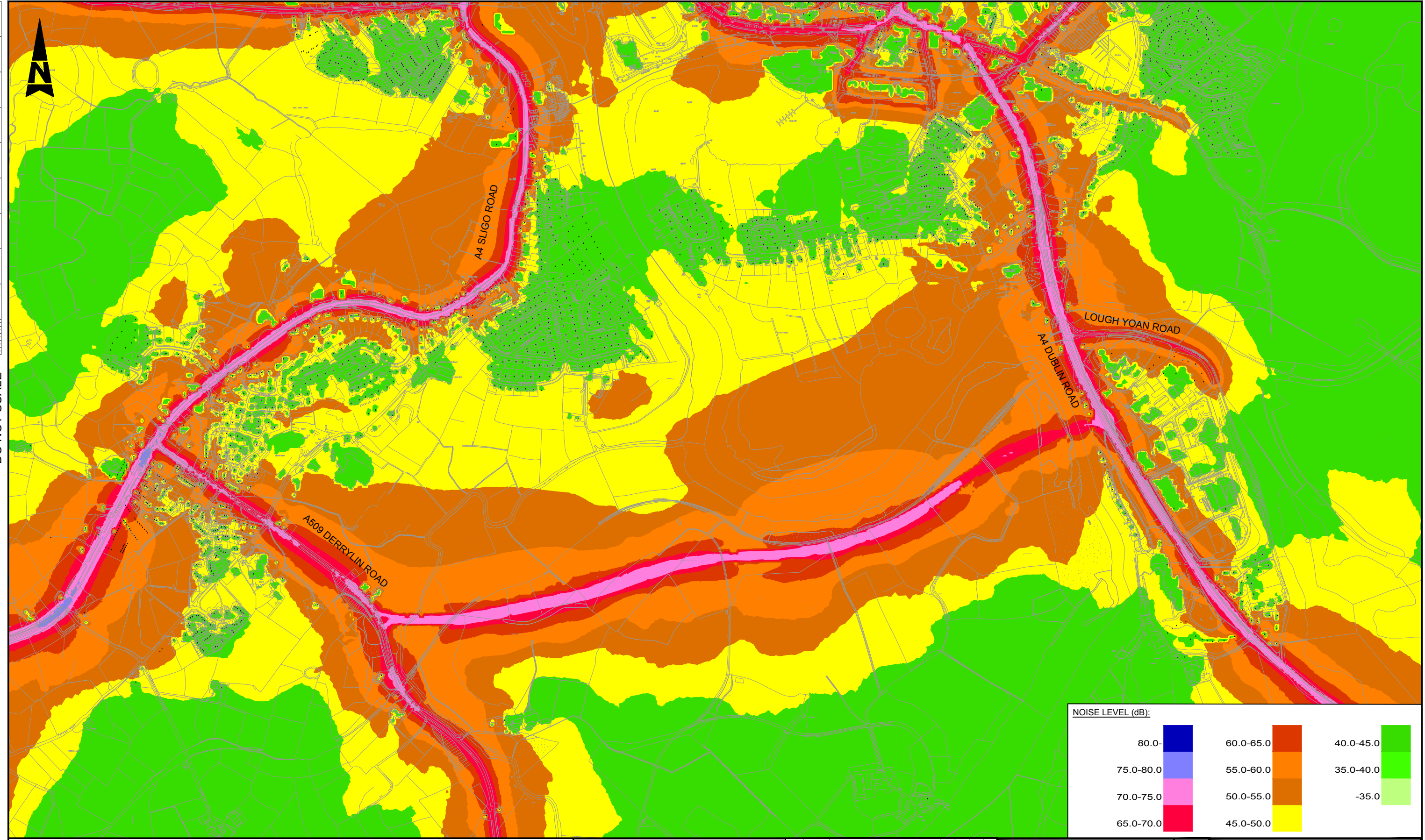
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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.5 NOISE ASSESSMENT - CONTOUR MAPPING CHANGE IN NOISE LEVELS BY 2035 WITHOUT THE SCHEME				
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV -				5148441
	X0000 - DR - Z - 0005				Revision
					P01

100
Millimetres
10
0
DO NOT SCALE



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Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL

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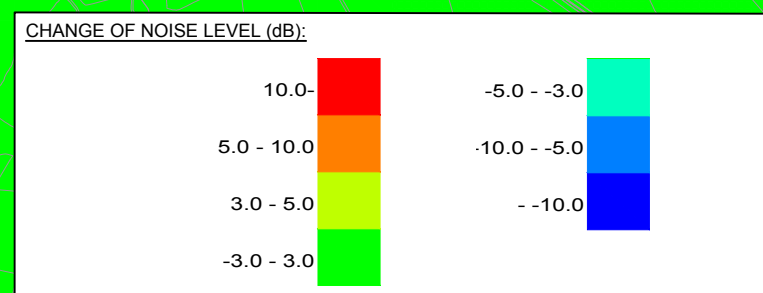
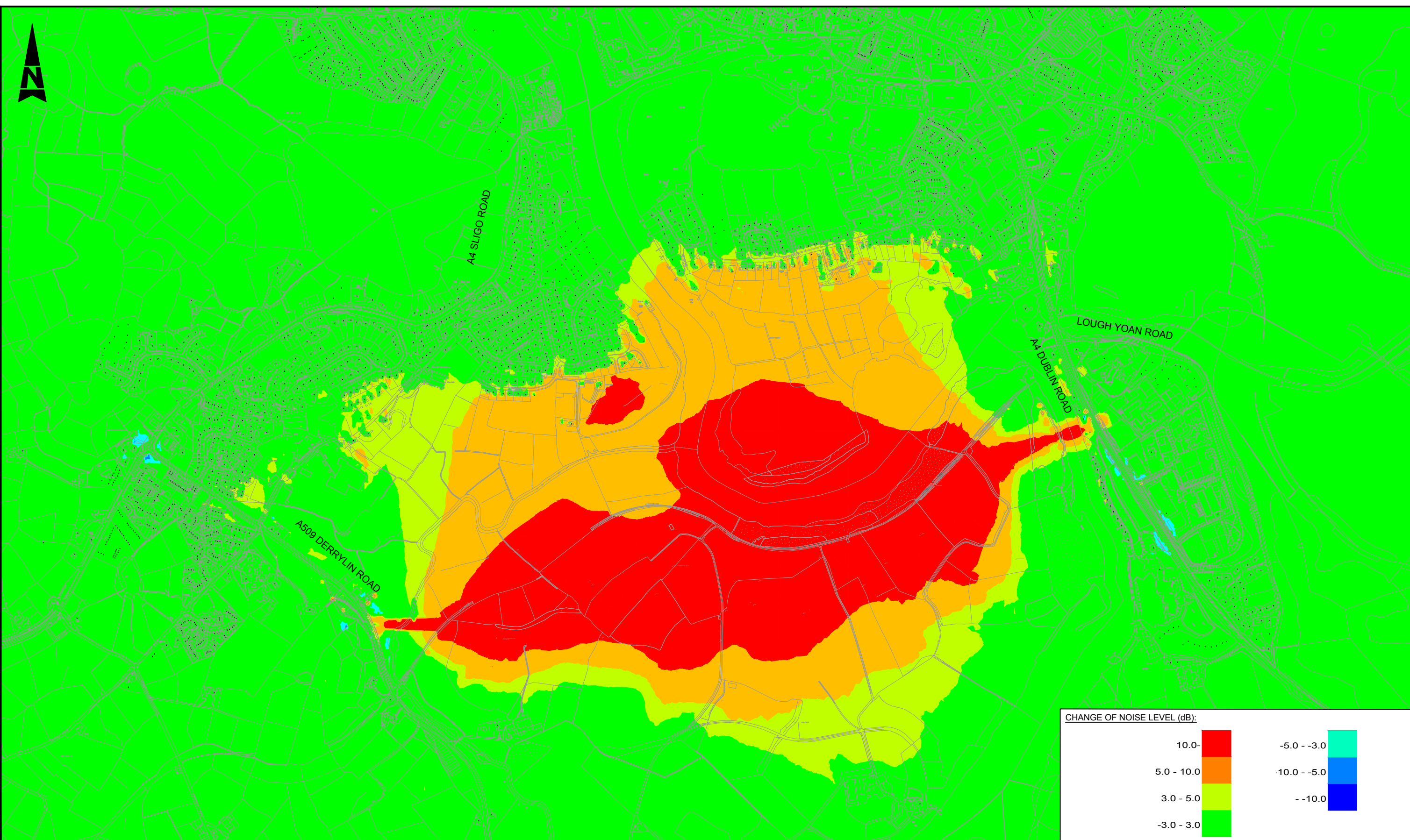
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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.6 NOISE ASSESSMENT - CONTOUR MAPPING NOISE LEVELS IN 2035 WITH THE SCHEME IN PLACE AND NO MITIGATION				
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0006				5148441
Location	Type	Role	Number	Revision	P01

100
Millimetres
10
0
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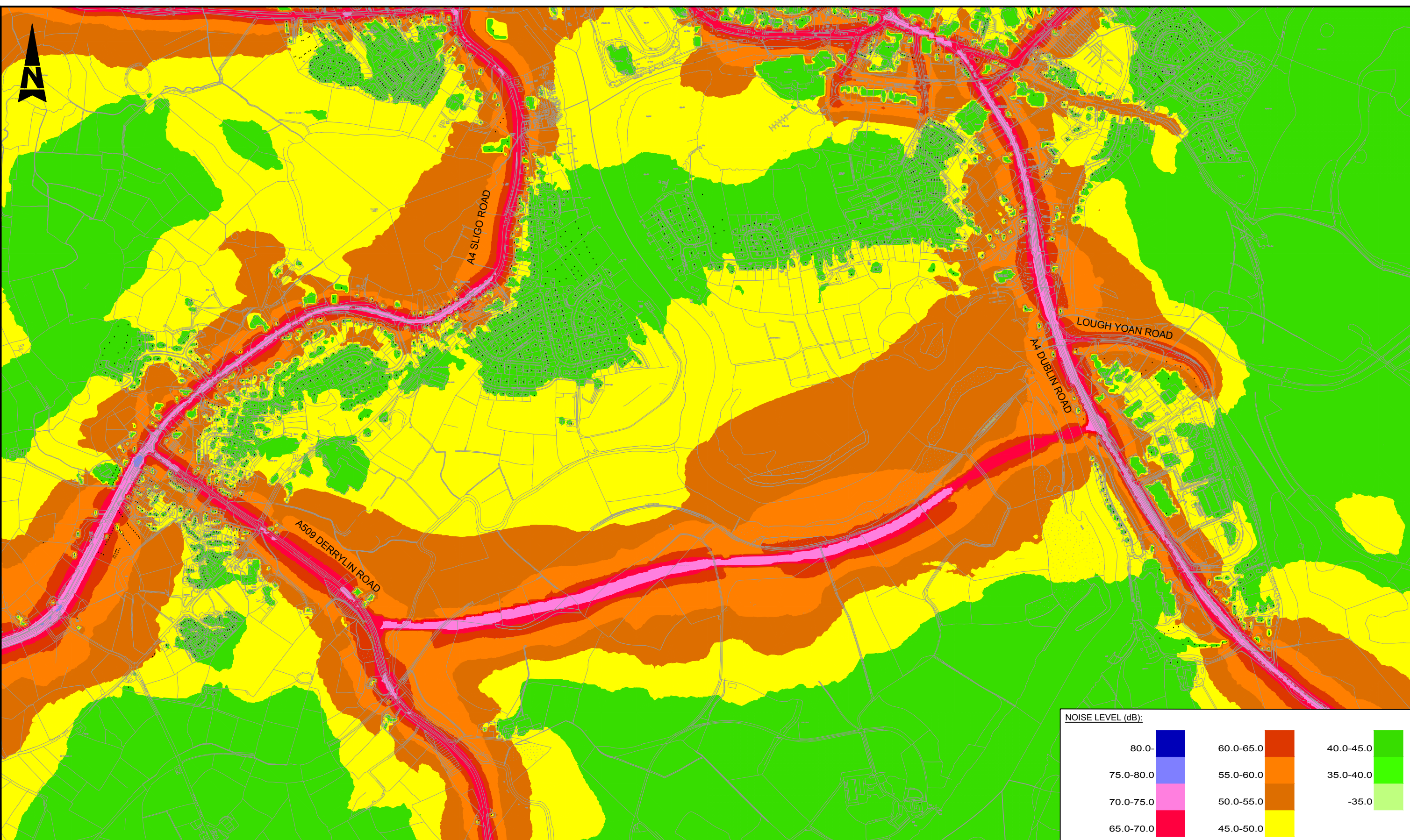
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Construction							
Maintenance / Cleaning							
Use							
Decommissioning / Demolition							

Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL

Subsidiary	Design Status	Project Title		
	S2	A4 Enniskillen Southern Bypass		
<p>FOR INFORMATION</p> <p>ATKINS Member of the SNC-Lavalin Group</p> <p>71 Old Channel Road Belfast Co. Antrim Northern Ireland BT3 9DE Tel: +44 (0)2890 788600 Fax: +44 (0)2890 788688 www.atkinsglobal.com</p> <p>Copyright © Atkins Limited (2018)</p> <p>Client Department for Infrastructure An Roinn Bonneagair www.infrastructure-ni.gov.uk</p>				
Scale	Originator	Checked	Approved	Authorised
1:10000	MT	JW	AL	AM
Original Size	Date	Date	Date	Date
A3	02/03/18	02/03/18	02/03/18	02/03/18
Drawing Number	Project	Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0007			5148441
Location	Type	Role	Number	Revision
				P01

100
Millimetres
0 10
DO NOT SCALE



NOISE LEVEL (dB):

80.0-	60.0-65.0	40.0-45.0
75.0-80.0	55.0-60.0	35.0-40.0
70.0-75.0	50.0-55.0	-35.0
65.0-70.0	45.0-50.0	

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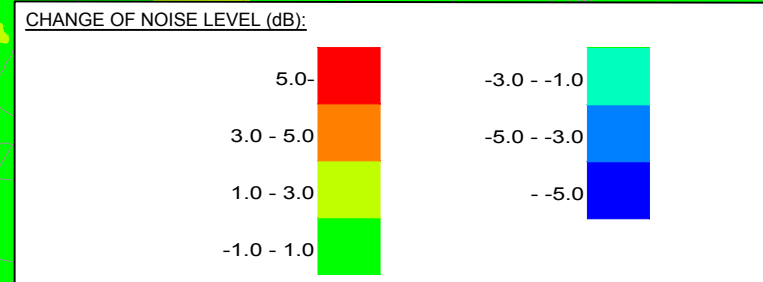
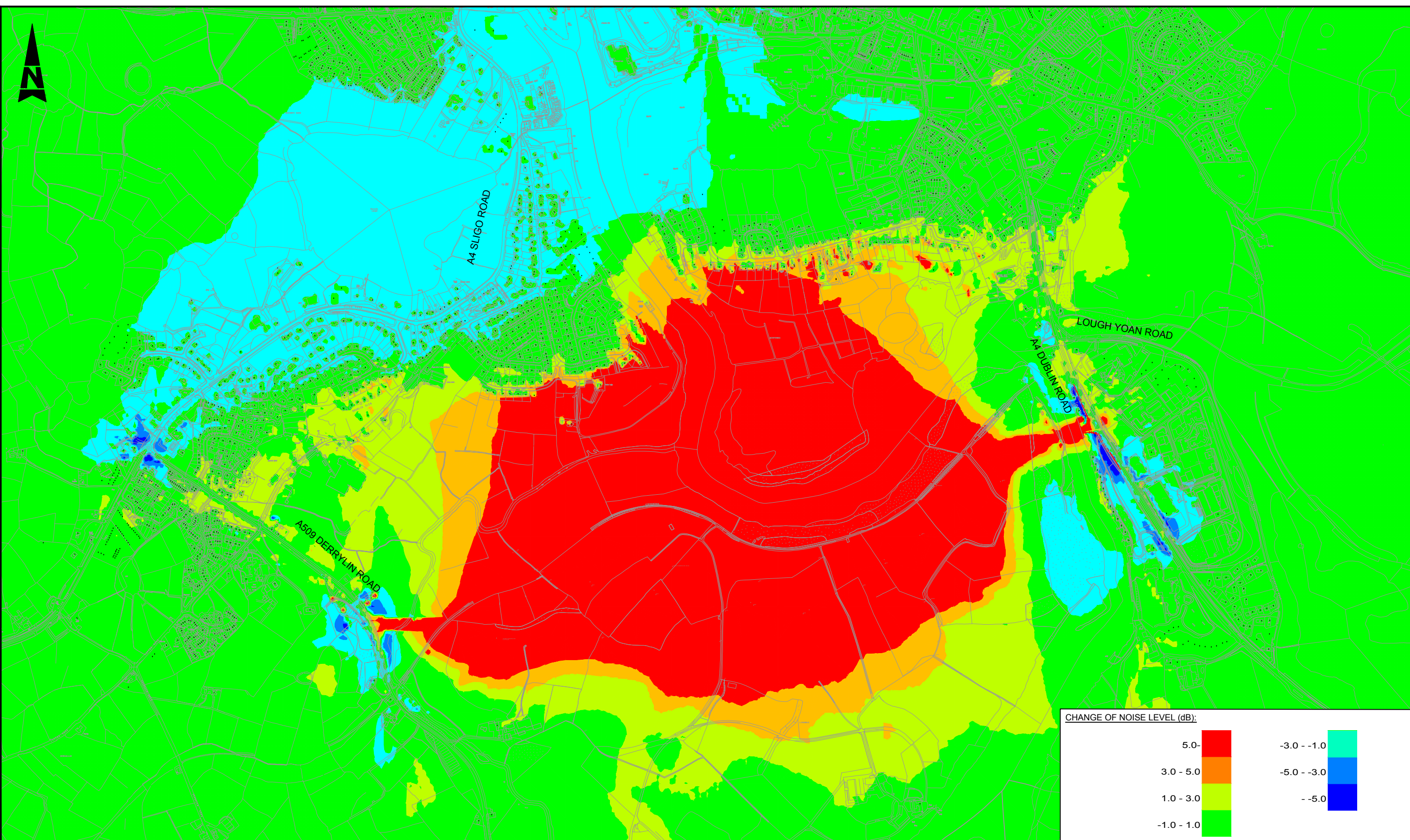
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION						
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).						
Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
PO1	02/03/18	FIRST ISSUE	MT	JW	AL	AM
Rev.	Date	Description	Org	CHK'd	App'd	Auf'd

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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.8 NOISE ASSESSMENT - CONTOUR MAPPING NOISE LEVELS IN 2020 WITH THE SCHEME IN PLACE AND MITIGATION				
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0008				5148441
Location	Type	Role	Number	Revision	P01

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						

Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL
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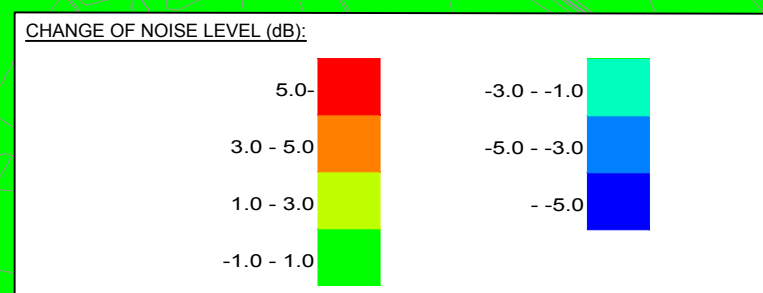
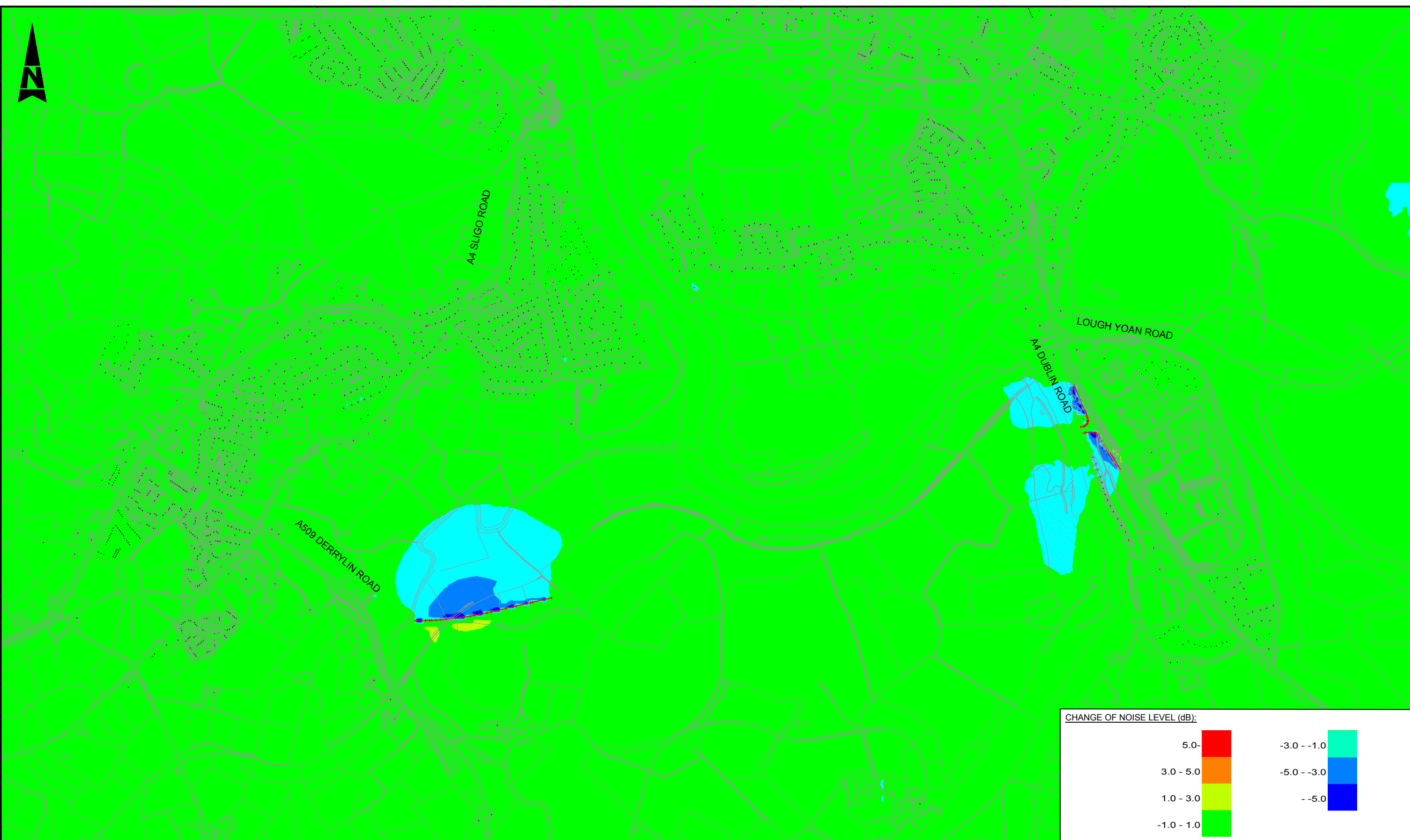
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Infrastructure
An Roinn
Bonneagair
www.infrastructure-ni.gov.uk

Design Status: S2
Project Title: A4 Enniskillen Southern Bypass

Drawing Title: APPENDIX A14.4.9
NOISE ASSESSMENT - CONTOUR MAPPING
CHANGE IN NOISE LEVELS BY 2020 WITH
SCHEME IN PLACE AND MITIGATION

Scale	1:10000	Originator	MT	Checked	JW	Approved	AL	Authorised	AM
Original Size	A3	Date	02/03/18	Date	02/03/18	Date	02/03/18	Date	02/03/18
Drawing Number	X0000 - DR - Z - 0009	Project	ESB - ATK - ENV -	Volume		Project Ref. No.	5148441	Revision	P01

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Millimetres
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KEY:
 OSNI MAPPING
 NOISE BARRIER

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Construction							
Maintenance / Cleaning							
Use							
Decommissioning / Demolition							

Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL

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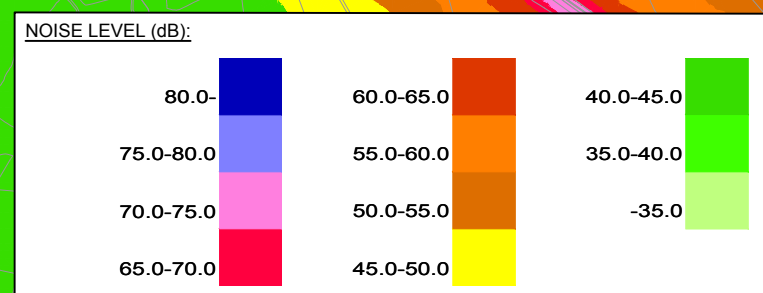
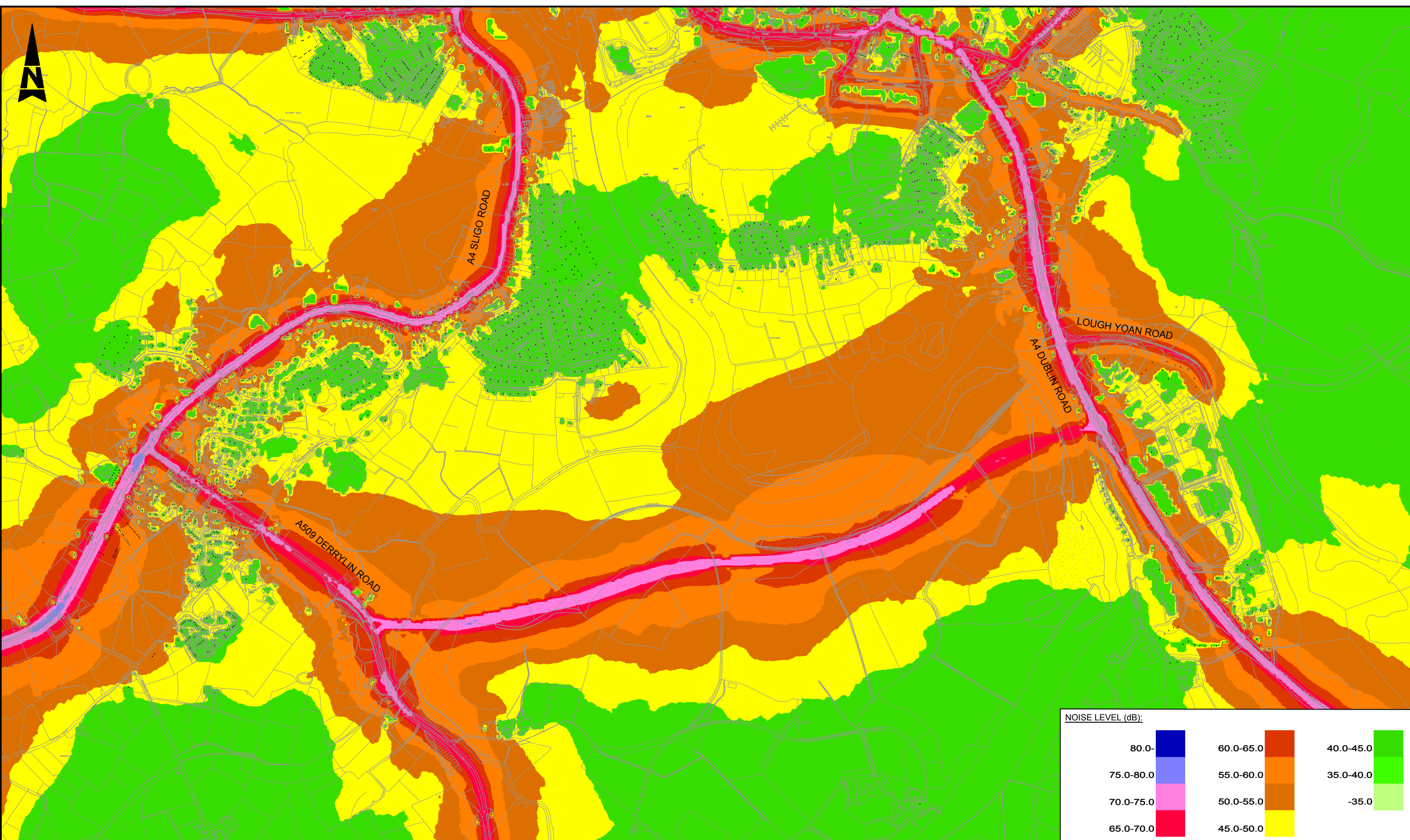
Client: Department for Infrastructure
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Design Status: S2
 Project Title: A4 Enniskillen Southern Bypass

Drawing Title: APPENDIX A14.4.10
 NOISE ASSESSMENT - CONTOUR MAPPING
 NOISE REDUCTION OFFERED BY 2m BARRIER
 AT DUBLIN ROAD AND RIVERSIDE MARINA

Scale	1:10000	Originator	MT	Checked	JW	Approved	AL	Authorised	AM
Original Size	A3	Date	02/03/18	Date	02/03/18	Date	02/03/18	Date	02/03/18
Drawing Number	X0000 - DR - Z - 0010	Project	ESB - ATK - ENV -	Volume		Project Ref. No.	5148441	Revision	P01

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Millimetres
0 10
DO NOT SCALE



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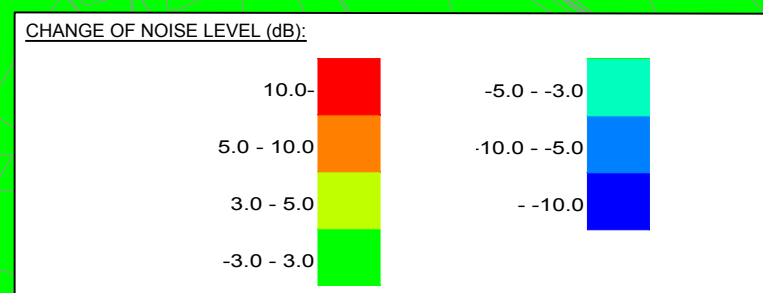
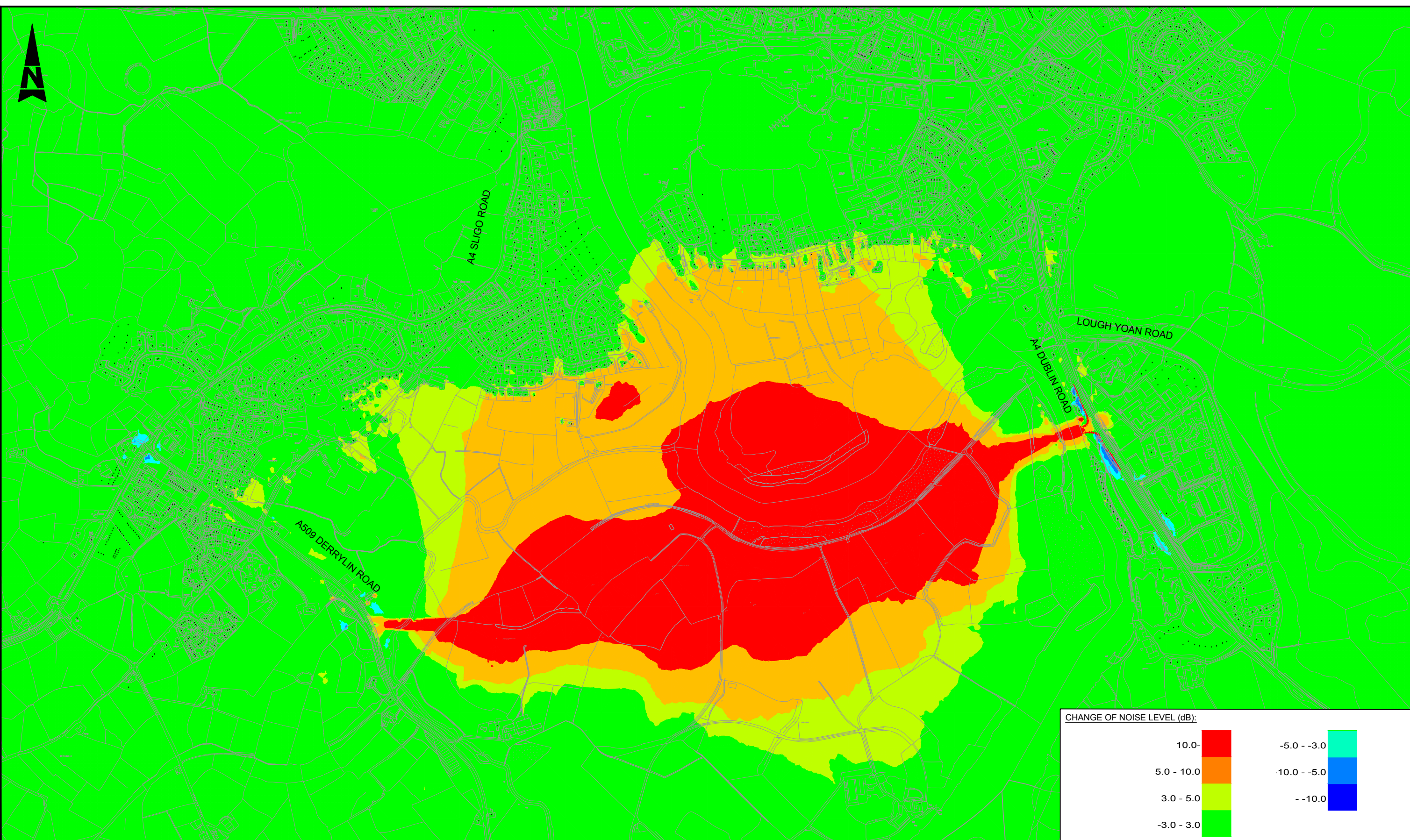
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION						
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).						
Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
PO1	02/03/18	FIRST ISSUE	MT	JW	AL	AM
Rev.	Date	Description	Org	CHK'd	App'd	Auf'd

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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.11 NOISE ASSESSMENT - CONTOUR MAPPING NOISE LEVELS IN 2035 WITH SCHEME IN PLACE AND MITIGATION				
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0011				5148441
Location	Type	Role	Number	Revision	P01

100
Millimetres
10
0
DO NOT SCALE



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION						
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Construction						
Maintenance / Cleaning						
Use						
Decommissioning / Demolition						
Rev.	Date	Description	Org	CHK'd	App'd	Aur'd
P01	02/03/18	FIRST ISSUE		MT	JW	AL
						AM

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Design Status	S2				
Project Title	A4 Enniskillen Southern Bypass				
Drawing Title	APPENDIX A14.4.12 NOISE ASSESSMENT - CONTOUR MAPPING CHANGE IN NOISE LEVELS BY 2035 WITH SCHEME IN PLACE AND MITIGATION				
Scale	1:10000	Originator	MT	Checked	JW
Original Size	A3	Date	02/03/18	Date	02/03/18
Approved	AL	Date	02/03/18	Authorised	AM
Drawing Number	Project		Originator	Volume	Project Ref. No.
	ESB - ATK - ENV - X0000 - DR - Z - 0012				5148441
Location	Type	Role	Number	Revision	
				P01	