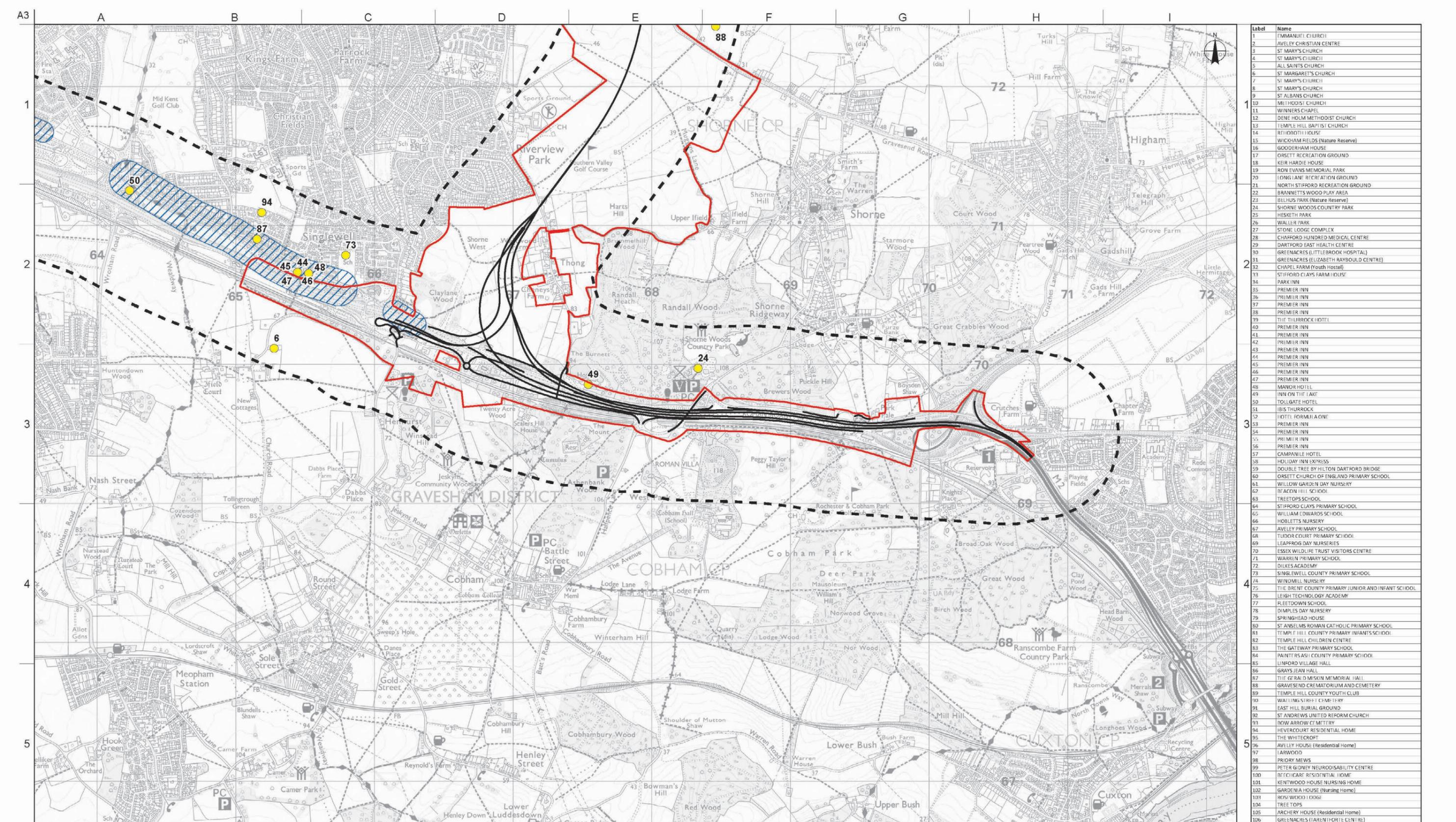


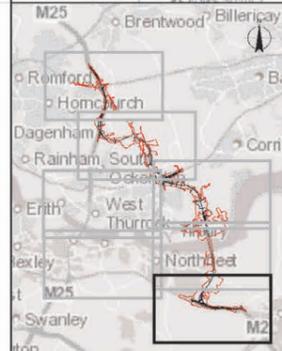
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**Preliminary Environmental
Information Report**
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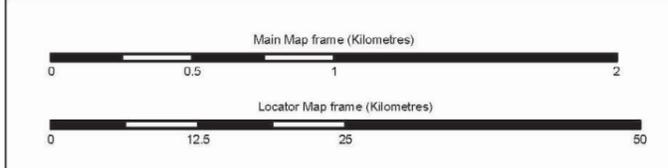
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Legend

- LTC Route Alignment
- Development Boundary
- 600m Operational Noise Study Area
- Other Sensitive Receptors
- Noise Important Area

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
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Client

Project Title
LOWER THAMES CROSSING STATUTORY CONSULTATION

Drawing Title
Figure 13.1 - Noise Study Area, Noise Important Areas and other Sensitive Receptors Sheet 1 of 7

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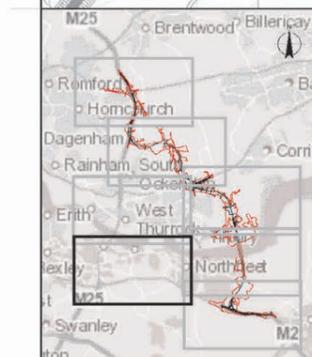
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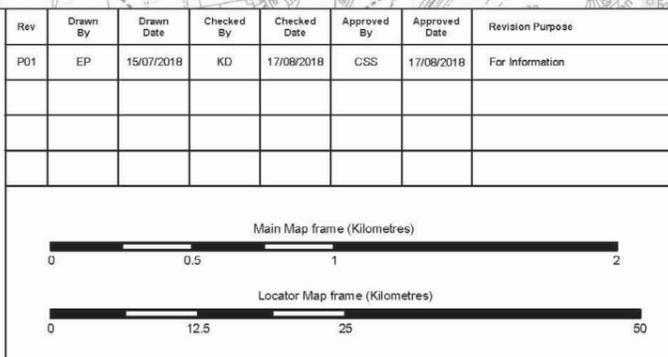
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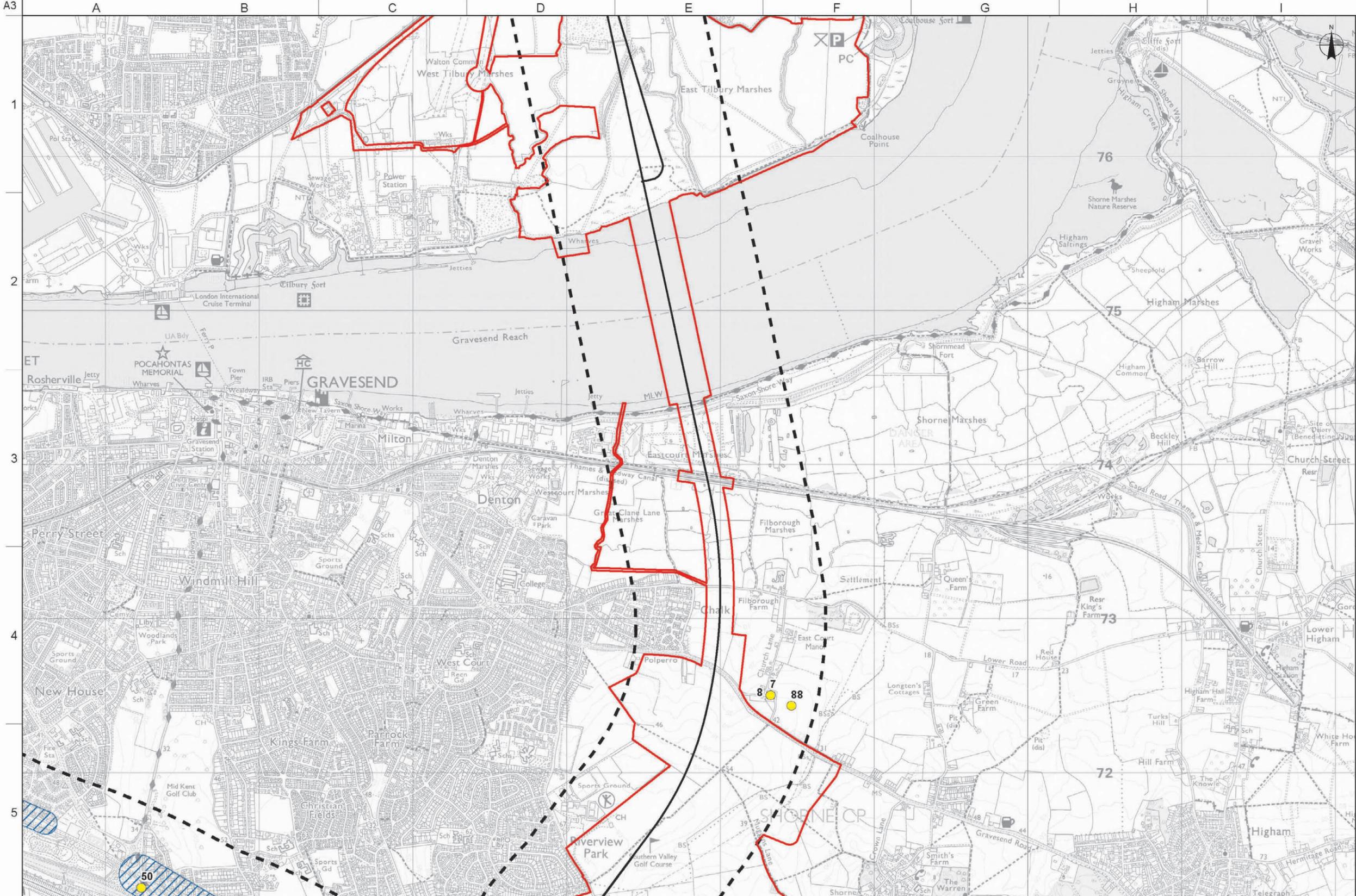


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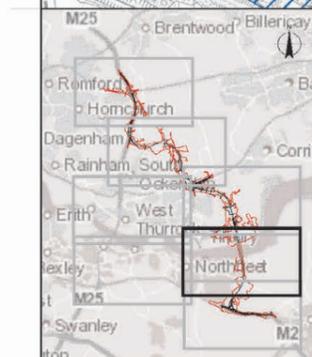
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Drawing Title	Figure 13.1 - Noise Study Area, Noise Important Areas and other Sensitive Receptors Sheet 2 of 7

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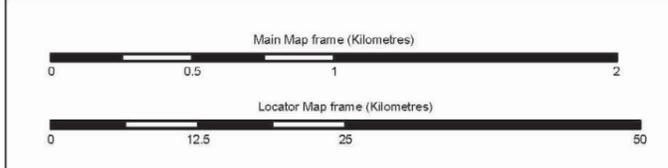
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Legend

- LTC Route Alignment
- Development Boundary
- 600m Operational Noise Study Area
- Other Sensitive Receptors
- Noise Important Area

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
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Client

Project Title
LOWER THAMES CROSSING STATUTORY CONSULTATION

Drawing Title
Figure 13.1 - Noise Study Area, Noise Important Areas and other Sensitive Receptors Sheet 3 of 7

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- 600m Operational Noise Study Area
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Client:

Project Title: **LOWER THAMES CROSSING STATUTORY CONSULTATION**

Drawing Title: **Figure 13.1 - Noise Study Area, Noise Important Areas and other Sensitive Receptors Sheet 4 of 7**

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82	TEMPLE HILL CHILDREN CENTRE
83	THE GATEWAY PRIMARY SCHOOL
84	PAINTERS ASI COUNTY PRIMARY SCHOOL
85	LINFORD VILLAGE HALL
86	GRAYS JEAN HALL
87	THE GRAVESEND MEMORIAL HALL
88	GRAVESEND CREMATORIUM AND CEMETERY
89	TEMPLE HILL COUNTY YOUTH CLUB
90	WALLINGSTONE CENTRE
91	EAST HILL BURIAL GROUND
92	ST ANDREWS UNITED REFORM CHURCH
93	BOW ARROW COTTAGE
94	HEVERCOURT RESIDENTIAL HOME
95	THE WHITECROFT
96	AVELEY HOUSE (Residential Home)
97	LARWOOD
98	PRIORY MEWS
99	PETER GIDNEY NEURODISABILITY CENTRE
100	BETECARE RESIDENTIAL HOME
101	KENTWOOD HOUSE NURSING HOME
102	GARDENIA HOUSE (Nursing Home)
103	RAF WOOD LODGE
104	TRAFALGAR
105	ARCHERY HOUSE (Residential Home)
106	GREENACRES (AREN FORT CENTRE)



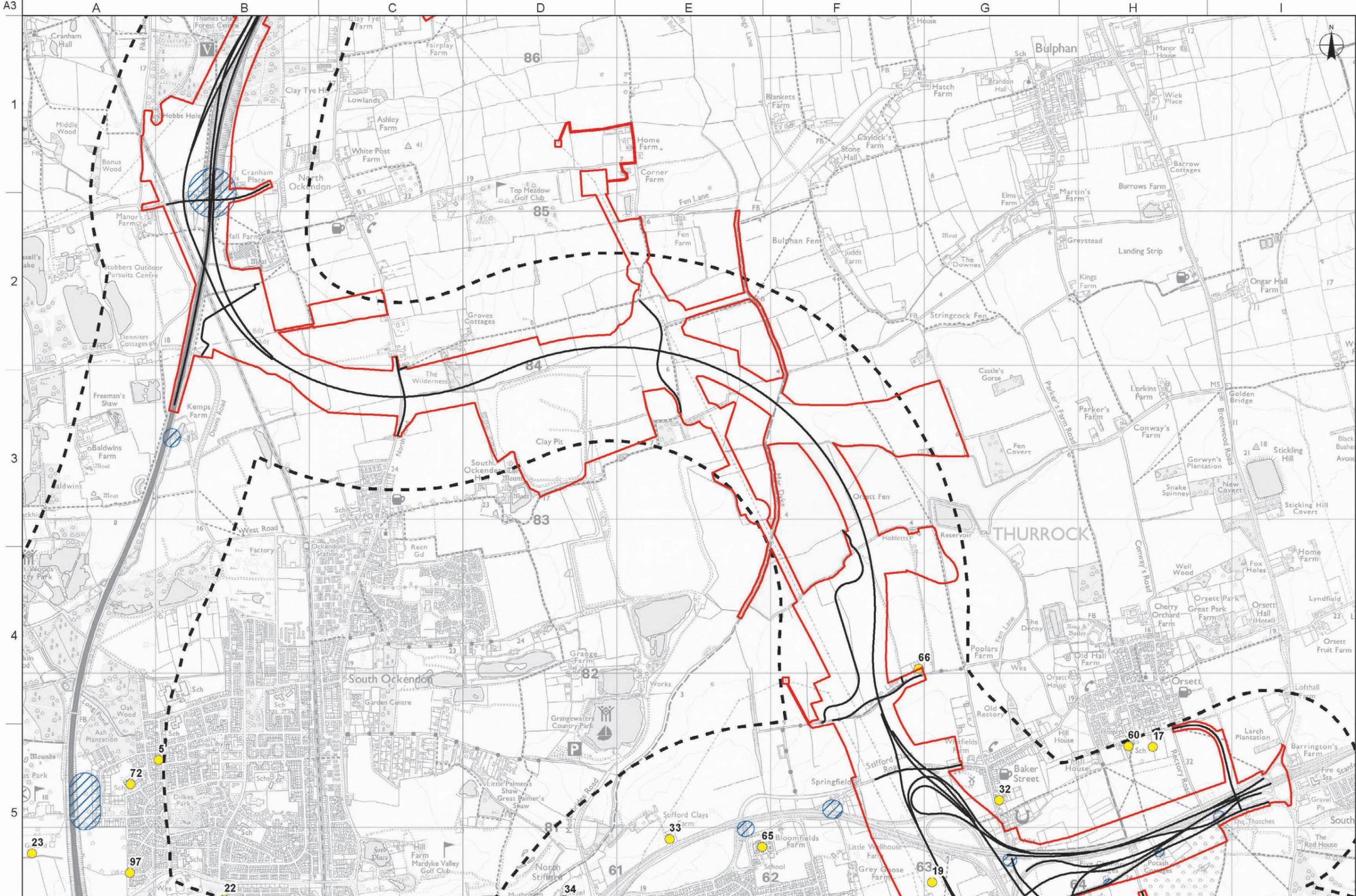
Legend

- LTC Route Alignment
- Development Boundary
- 600m Operational Noise Study Area
- Other Sensitive Receptors
- Noise Important Area

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information

Client	
Project Title	LOWER THAMES CROSSING STATUTORY CONSULTATION
Drawing Title	Figure 13.1 - Noise Study Area, Noise Important Areas and other Sensitive Receptors Sheet 5 of 7

Scale at A3	Main Map frame: 1:25,000	Locator Map frame: 1:600,000
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Suitability	Status	Revision
For Information	S2	P01
Drawing Number	HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40038	



Label	Name
1	IMMANUEL CHURCH
2	AVELEY CHRISTIAN CENTRE
3	ST MARY'S CHURCH
4	ST MARY'S CHURCH
5	ALL SAINTS CHURCH
6	ST MARGARET'S CHURCH
7	ST MARY'S CHURCH
8	ST MARY'S CHURCH
9	ST ALBANS CHURCH
10	METHODIST CHURCH
11	WINNERS CHAPEL
12	DENE HOLM METHODIST CHURCH
13	TEMPLE HILL BAPTIST CHURCH
14	RTI HORTON HOUSE
15	WICKHAM FIELDS (Nature Reserve)
16	GOODERHAM HOUSE
17	ORSETT RECREATION GROUND
18	KEIR HARDIE HOUSE
19	RON EVANS MEMORIAL PARK
20	LONG LANE RECREATION GROUND
21	NORTH STIFFORD RECREATION GROUND
22	BRANNETT'S WOOD PLAY AREA
23	BELHUS PARK (Nature Reserve)
24	SHORNE WOODS COUNTRY PARK
25	HESKETH PARK
26	WALLER PARK
27	STONE LODGE COMPLEX
28	CHAFFORD HUNDRED MEDICAL CENTRE
29	DARTFORD EAST HEALTH CENTRE
30	GREENACRES (LITTLEBROOK HOSPITAL)
31	GREENACRES (ELIZABETH RAYBOULD CENTRE)
32	CHAPEL FARM (Youth Hostel)
33	STIFFORD CLAYS FARM HOUSE
34	PARK INN
35	PREMIER INN
36	PREMIER INN
37	PREMIER INN
38	PREMIER INN
39	TILE THURROCK HOTEL
40	PREMIER INN
41	PREMIER INN
42	PREMIER INN
43	PREMIER INN
44	PREMIER INN
45	PREMIER INN
46	PREMIER INN
47	PREMIER INN
48	MANOR HOTEL
49	INN ON THE LAKE
50	TOLLGATE HOTEL
51	IBIS THURROCK
52	HOTEL FORMULA ONE
53	PREMIER INN
54	PREMIER INN
55	PREMIER INN
56	PREMIER INN
57	CAMPANILE HOTEL
58	HOLIDAY INN EXPRESS
59	DOUBLE TREE BY HILTON DARTFORD BRIDGE
60	ORSETT CHURCH OF ENGLAND PRIMARY SCHOOL
61	WILLOW GARDEN DAY NURSERY
62	RAFACON HILL SCHOOL
63	TREETOPS SCHOOL
64	STIFFORD CLAYS PRIMARY SCHOOL
65	WILLIAM EDWARDS SCHOOL
66	HOBLETT'S NURSERY
67	AVELEY PRIMARY SCHOOL
68	TUDOR COURT PRIMARY SCHOOL
69	LEAPROG DAY NURSERIES
70	ESSEX WILDLIFE TRUST VISITORS CENTRE
71	WARREN PRIMARY SCHOOL
72	DILKES ACADEMY
73	SINGLEWELL COUNTY PRIMARY SCHOOL
74	WINDMILL NURSERY
75	THE BRENT COUNTY PRIMARY JUNIOR AND INFANT SCHOOL
76	LEIGH TECHNOLOGY ACADEMY
77	FLEETDOWN SCHOOL
78	DIMPLES DAY NURSERY
79	SPRINGHEAD HOUSE
80	ST ANSELMS ROMAN CATHOLIC PRIMARY SCHOOL
81	TEMPLE HILL COUNTY PRIMARY INFANTS SCHOOL
82	TEMPLE HILL CHILDREN CENTRE
83	THE GATEWAY PRIMARY SCHOOL
84	PAINTERS ASI COUNTY PRIMARY SCHOOL
85	LINFORD VILLAGE HALL
86	GRAYS JEAN HALL
87	THE GRAHAM SKIN MEMORIAL HALL
88	GRAVESEND CREMATORIUM AND CEMETERY
89	TEMPLE HILL COUNTY YOUTH CLUB
90	WALLINGS STREET CEMETERY
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94	HEVERCOURT RESIDENTIAL HOME
95	THE WHITECROFT
96	AVELEY HOUSE (Residential Home)
97	LARWOOD
98	PRIORY MEWS
99	PETER GIDNEY NEURODISABILITY CENTRE
100	BETHICARE RESIDENTIAL HOME
101	KENTWOOD HOUSE NURSING HOME
102	GARDENIA HOUSE (Nursing Home)
103	ROSWOOD LODGE
104	TAKE TONS
105	ARCHERY HOUSE (Residential Home)
106	GREENACRES (TAREN FORT CENTRE)



Legend

- LTC Route Alignment
- Development Boundary
- 600m Operational Noise Study Area
- Other Sensitive Receptors
- Noise Important Area

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information

Client:

Project Title: **LOWER THAMES CROSSING STATUTORY CONSULTATION**

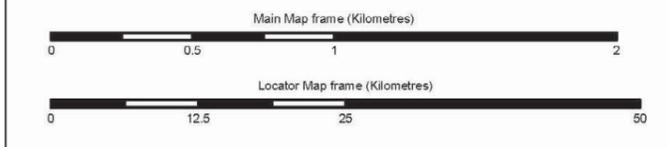
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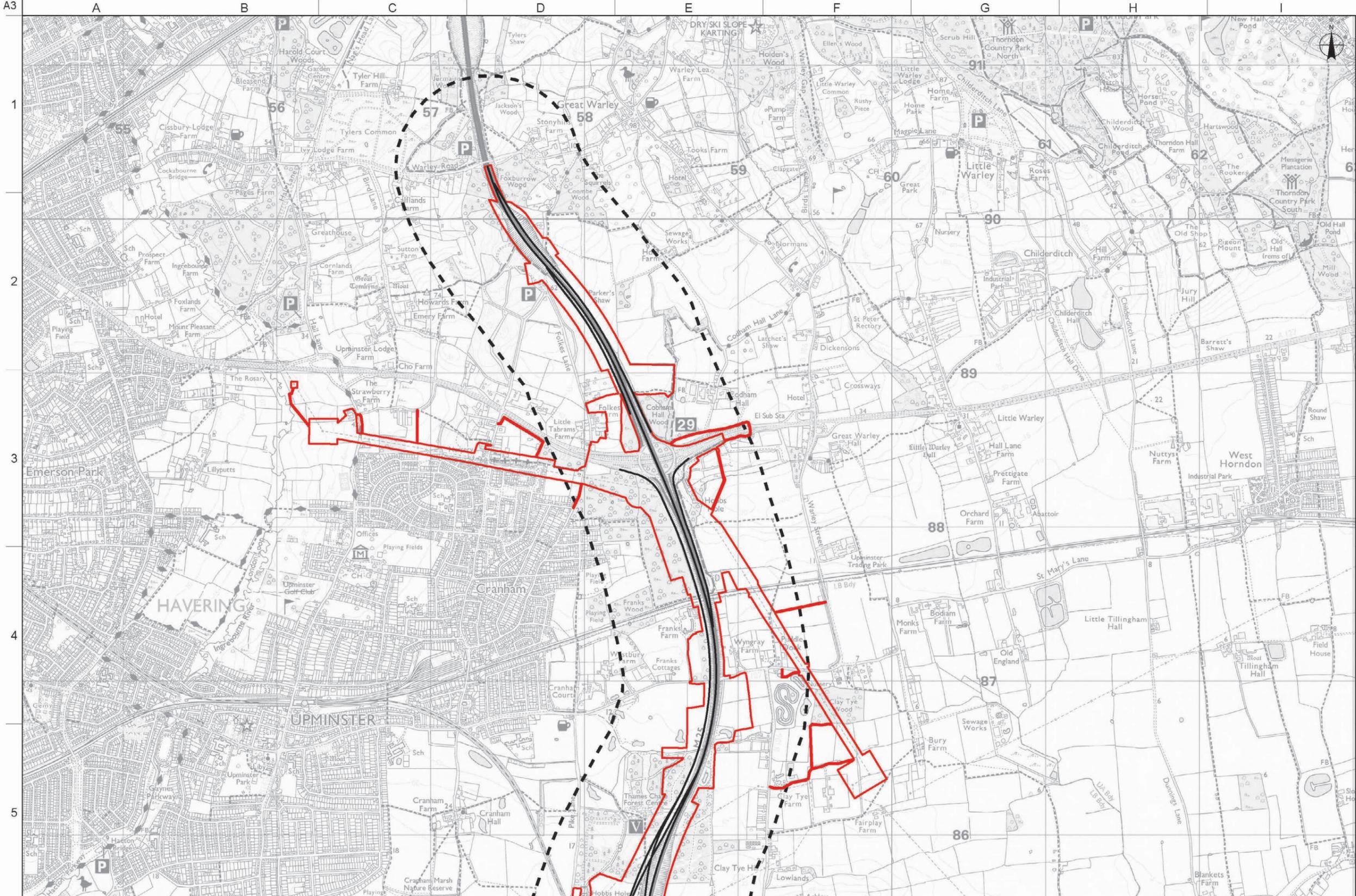
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Suitability	Status	Revision
For Information	S2	P01

Drawing Number: HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40038





Label	Name
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35	PREMIER INN
36	PREMIER INN
37	PREMIER INN
38	PREMIER INN
39	THE TILBROCK HOTEL
40	PREMIER INN
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102	GARDENIA HOUSE (Nursing Home)
103	REXWOOD LODGE
104	TREYFORS
105	ARCHERY HOUSE (Residential Home)
106	GREENACRES (AREN FORTLE CENTRE)



Legend

- LTC Route Alignment
- Development Boundary
- 600m Operational Noise Study Area
- Other Sensitive Receptors
- Noise Important Area

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information

Client:

Project Title: **LOWER THAMES CROSSING STATUTORY CONSULTATION**

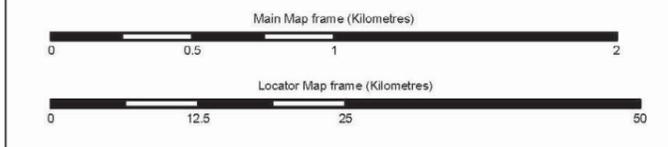
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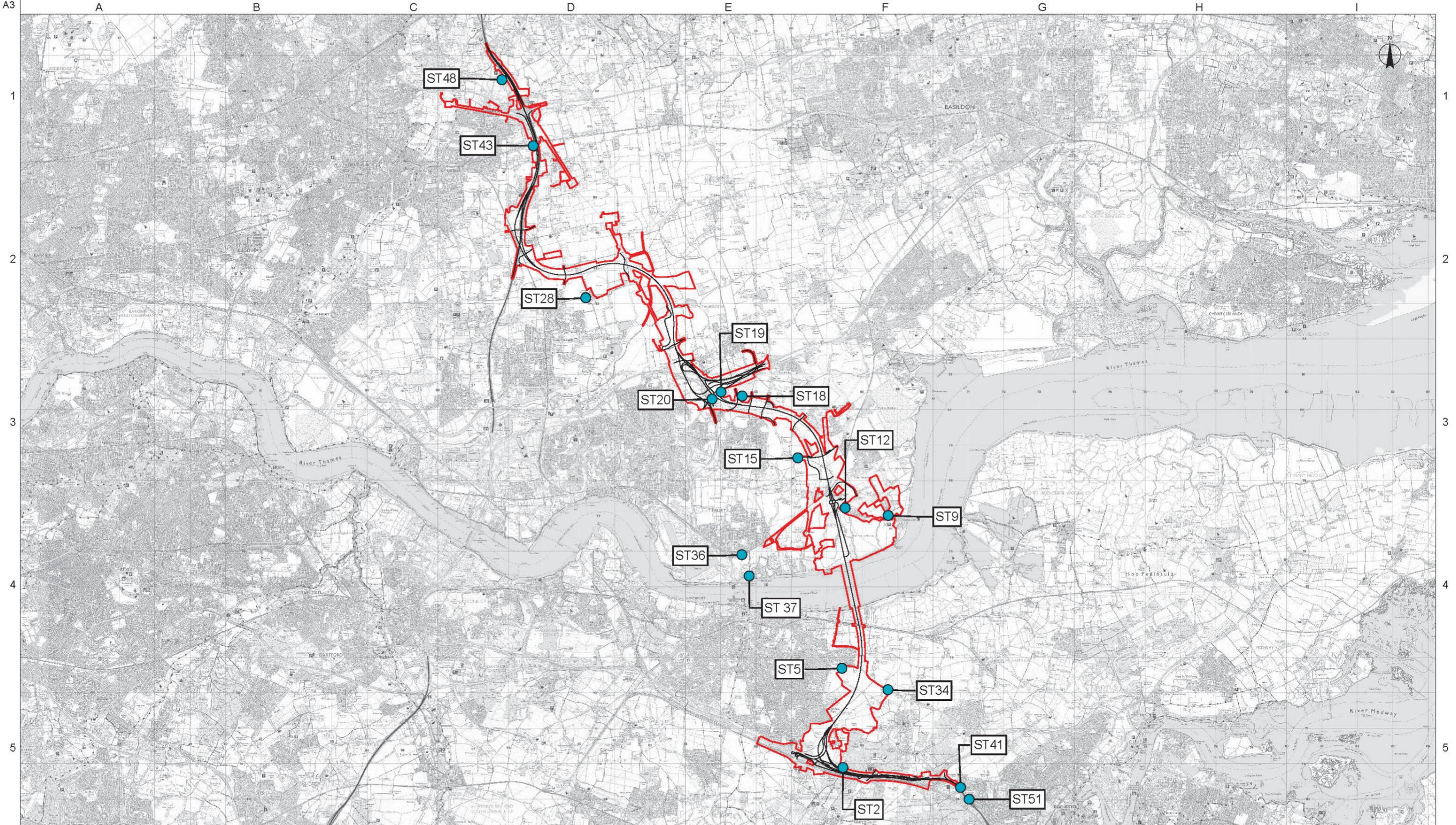
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Locator Map frame: **1:600,000**

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Suitability	Status	Revision
For Information	S2	P01

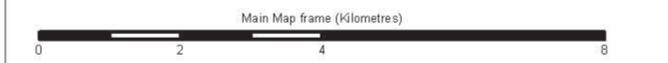
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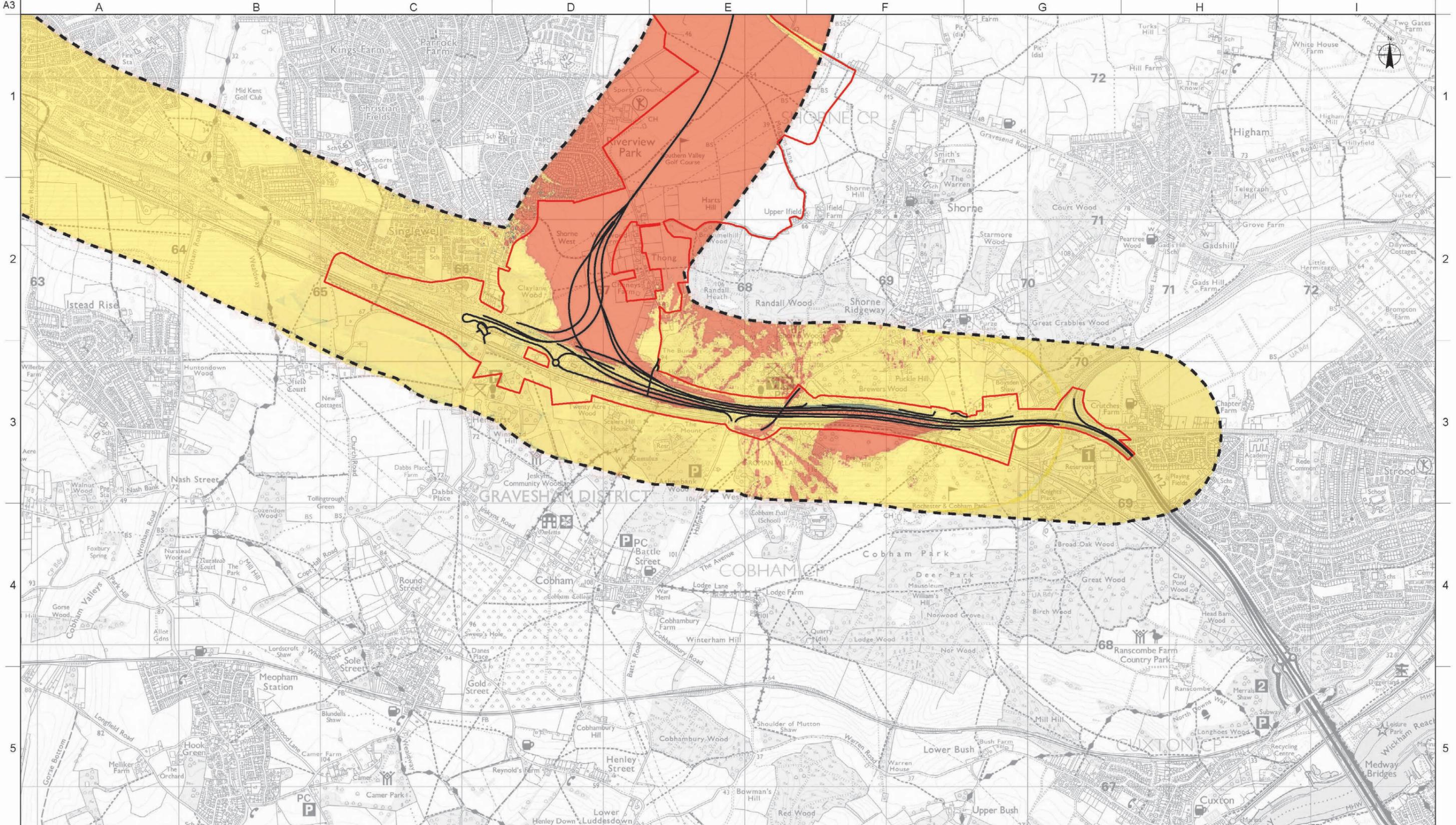


- Legend**
- LTC Route Alignment
 - ▭ Development Boundary
 - Noise Monitoring Locations

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	23/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information



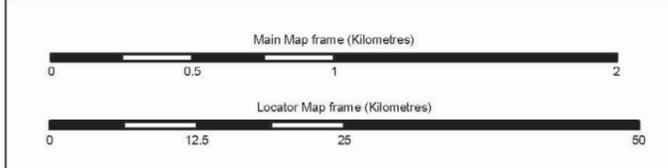
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Drawing Title	Suitability	Status	Revision
Figure 13.2 - Locations at which Noise Monitoring has been Carried Out to Date Sheet 1 of 1	For Information	S2	P01
Drawing Number HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40039			



Legend

- LTC Route Alignment
- Development Boundary
- 600m Noise Study Area
- Potential Adverse Noise Impact (Greater than 1dB(A))
- Negligible Noise Impact (Less than 1dB(A) Change)
- Potential Beneficial Noise Impact (Greater than 1dB(A))

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information



Client

Project Title
**LOWER THAMES CROSSING
STATUTORY CONSULTATION**

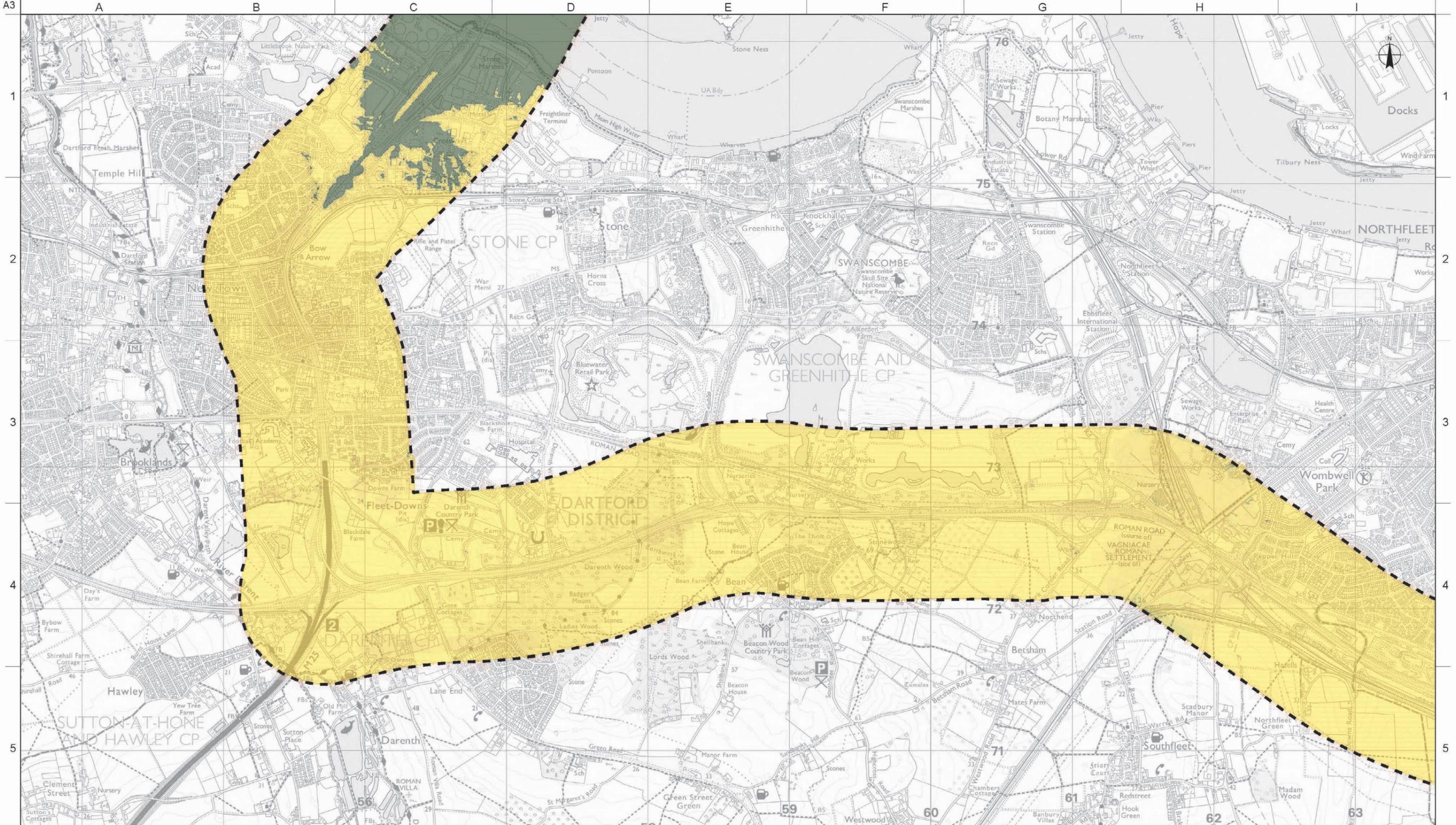
Drawing Title
**Figure 13.3 - Potential Short Term
Operational Road Traffic Noise Impacts
Sheet 1 of 7**

Scale at A3
Main Map frame **1:25,000**
Locator Map frame: **1:600,000**

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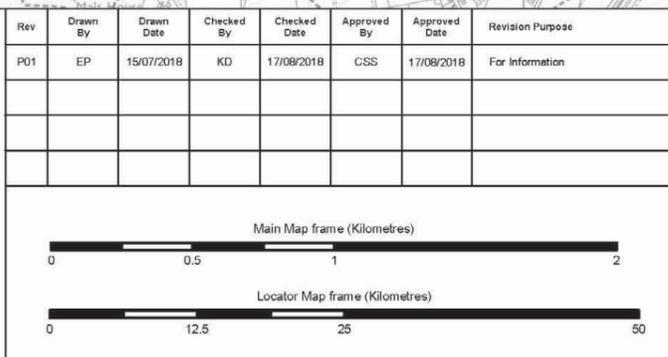
Suitability	Status	Revision
For Information	S2	P01

Drawing Number
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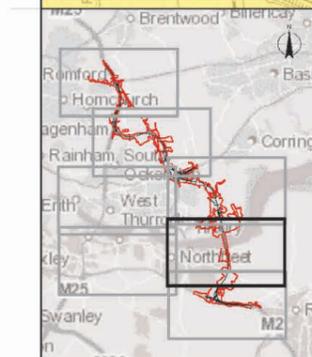
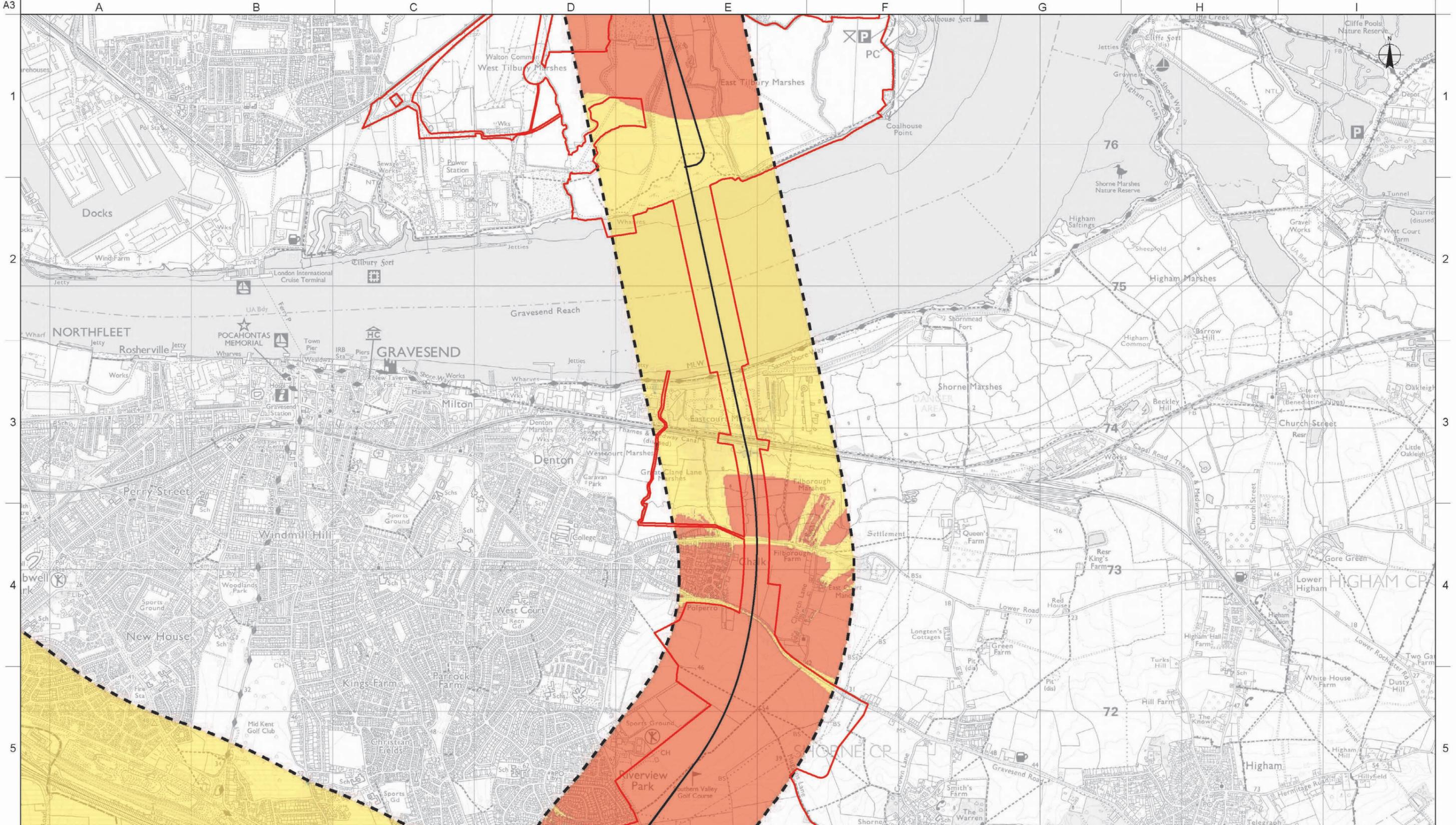


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P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information

Client			
Project Title	LOWER THAMES CROSSING STATUTORY CONSULTATION		
Drawing Title	Figure 13.3 - Potential Short Term Operational Road Traffic Noise Impacts Sheet 2 of 7		
Suitability	Status	Revision	
For Information	S2	P01	
Drawing Number: HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40040			



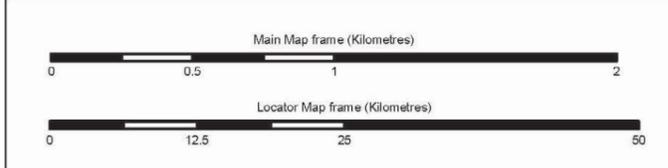
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Scale at A3	Main Map frame	1:25,000	
	Locator Map frame:	1:600,000	
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Legend

- LTC Route Alignment
- Development Boundary
- 600m Noise Study Area
- Potential Adverse Noise Impact (Greater than 1dB(A))
- Negligible Noise Impact (Less than 1dB(A) Change)
- Potential Beneficial Noise Impact (Greater than 1dB(A))

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
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Client

Project Title
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STATUTORY CONSULTATION**

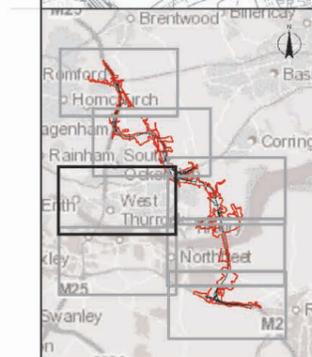
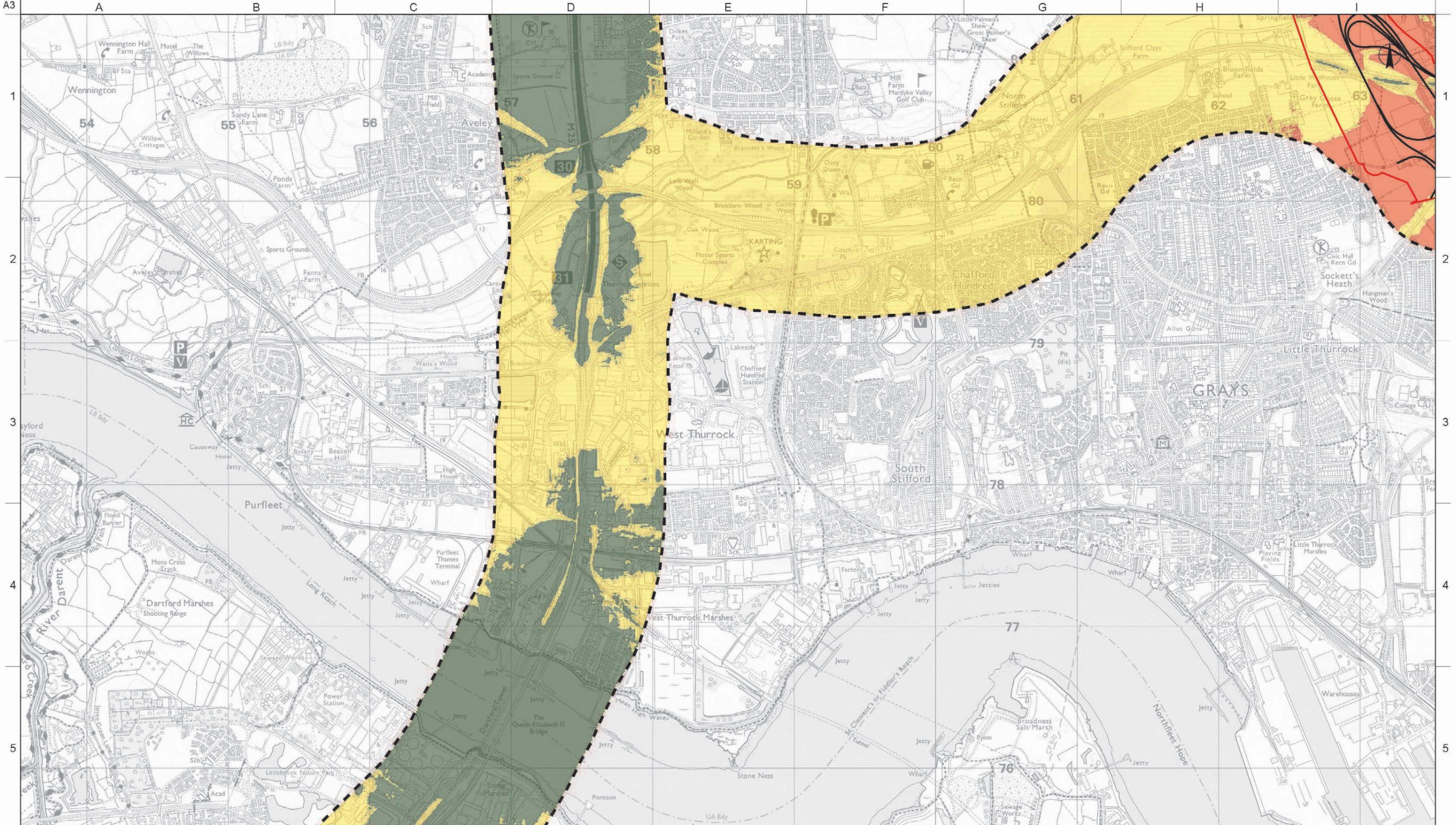
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**Figure 13.3 - Potential Short Term
Operational Road Traffic Noise Impacts
Sheet 3 of 7**

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Locator Map frame: **1:600,000**

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Suitability	Status	Revision
For Information	S2	P01

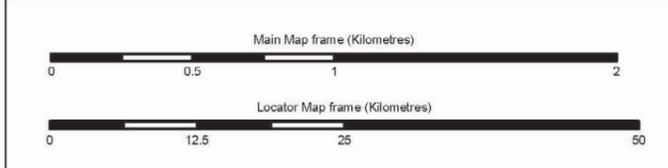
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Legend

- LTC Route Alignment
- Development Boundary
- 600m Noise Study Area
- Potential Adverse Noise Impact (Greater than 1dB(A))
- Negligible Noise Impact (Less than 1dB(A) Change)
- Potential Beneficial Noise Impact (Greater than 1dB(A))

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information



Client

Project Title
LOWER THAMES CROSSING STATUTORY CONSULTATION

Drawing Title
Figure 13.3 - Potential Short Term Operational Road Traffic Noise Impacts Sheet 4 of 7

Scale at A3
Main Map frame **1:25,000**
Locator Map frame: **1:600,000**

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Suitability	Status	Revision
For Information	S2	P01

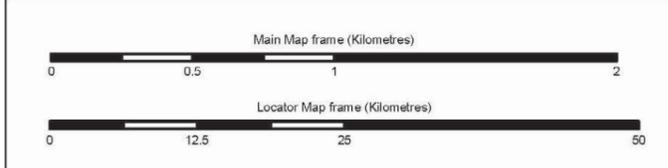
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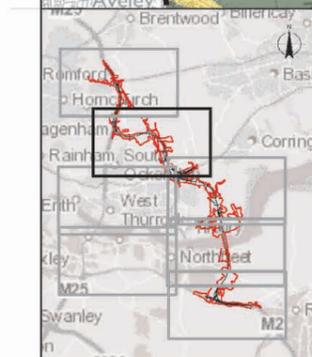
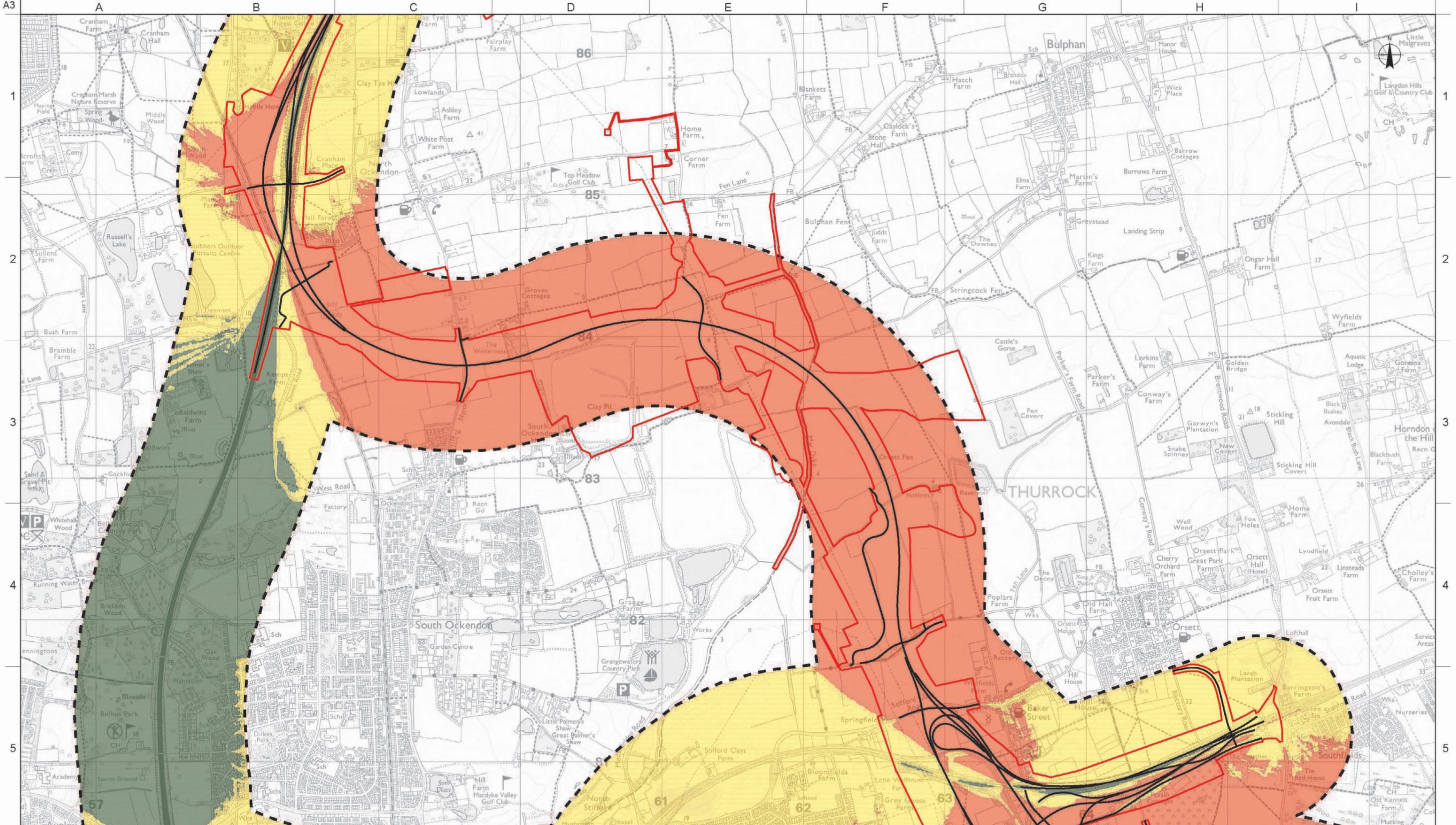
Legend

- LTC Route Alignment
- Development Boundary
- 600m Noise Study Area
- Potential Adverse Noise Impact (Greater than 1dB(A))
- Negligible Noise Impact (Less than 1dB(A) Change)
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P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information



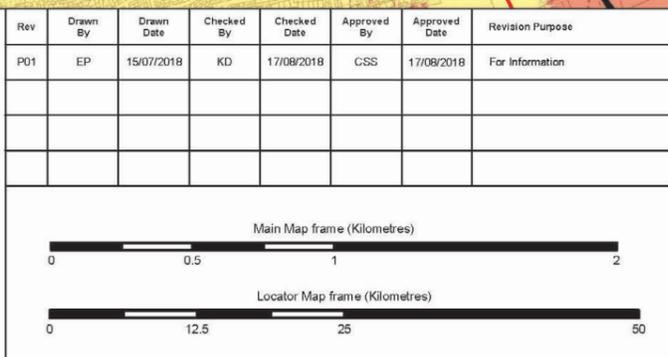
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Figure 13.3 - Potential Short Term Operational Road Traffic Noise Impacts Sheet 5 of 7	For Information	S2	P01
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Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
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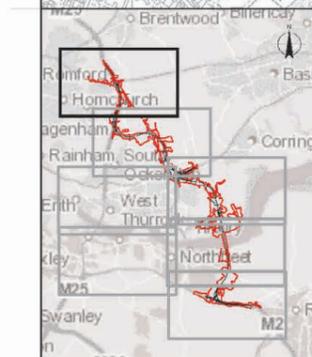
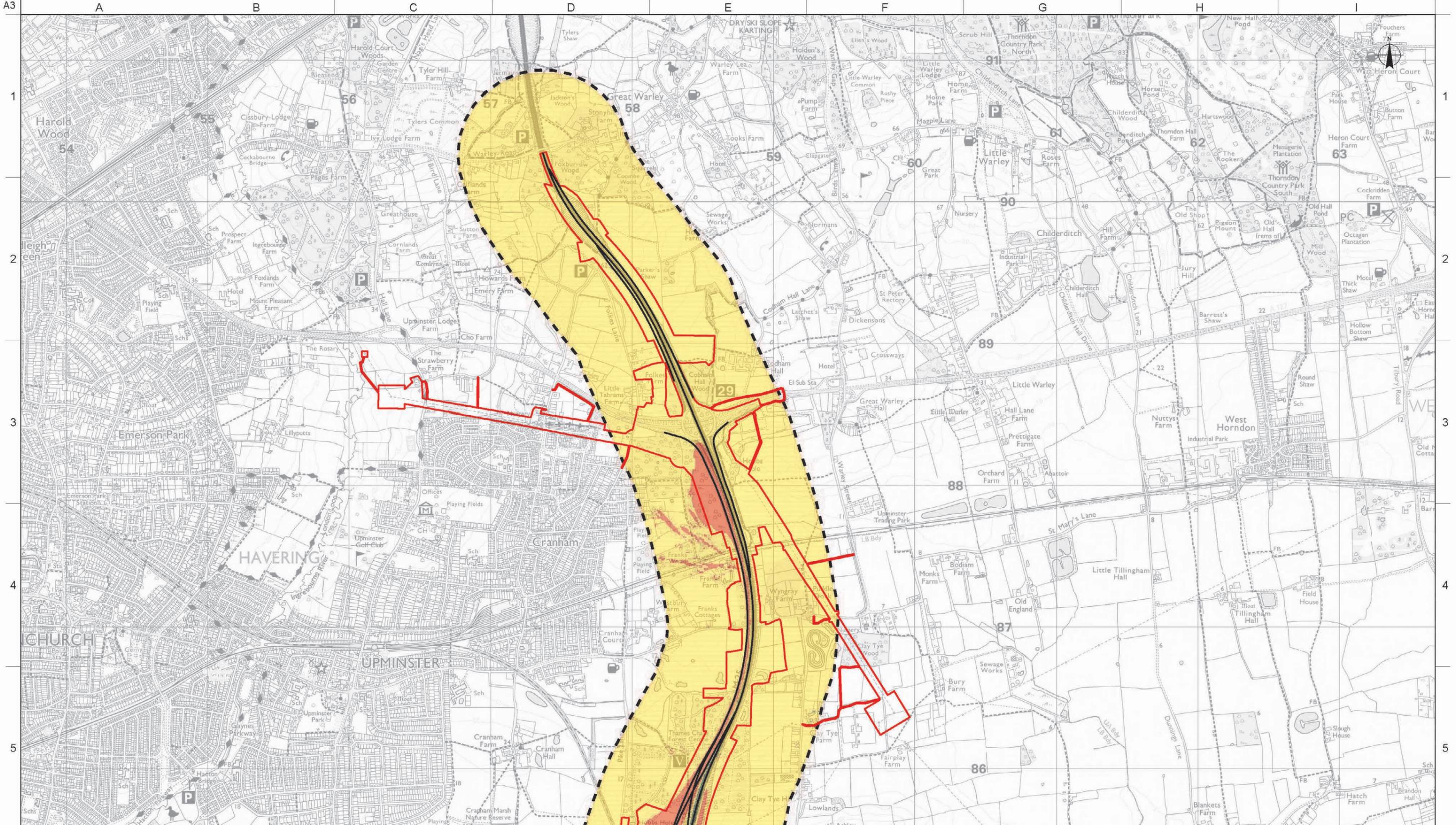
Legend

- LTC Route Alignment
- Development Boundary
- 600m Noise Study Area
- Potential Adverse Noise Impact (Greater than 1dB(A))
- Negligible Noise Impact (Less than 1dB(A) Change)
- Potential Beneficial Noise Impact (Greater than 1dB(A))



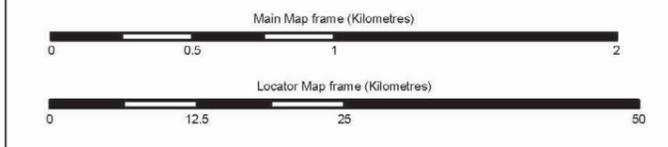
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Drawing Title	Figure 13.3 - Potential Short Term Operational Road Traffic Noise Impacts Sheet 6 of 7	

Scale at A3	Main Map frame	1:25,000
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Suitability	Status	Revision
For Information	S2	P01
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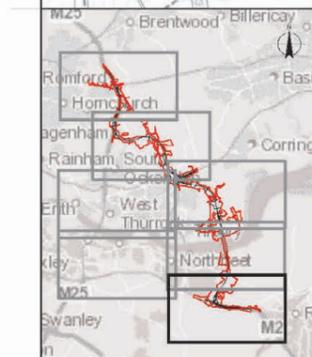
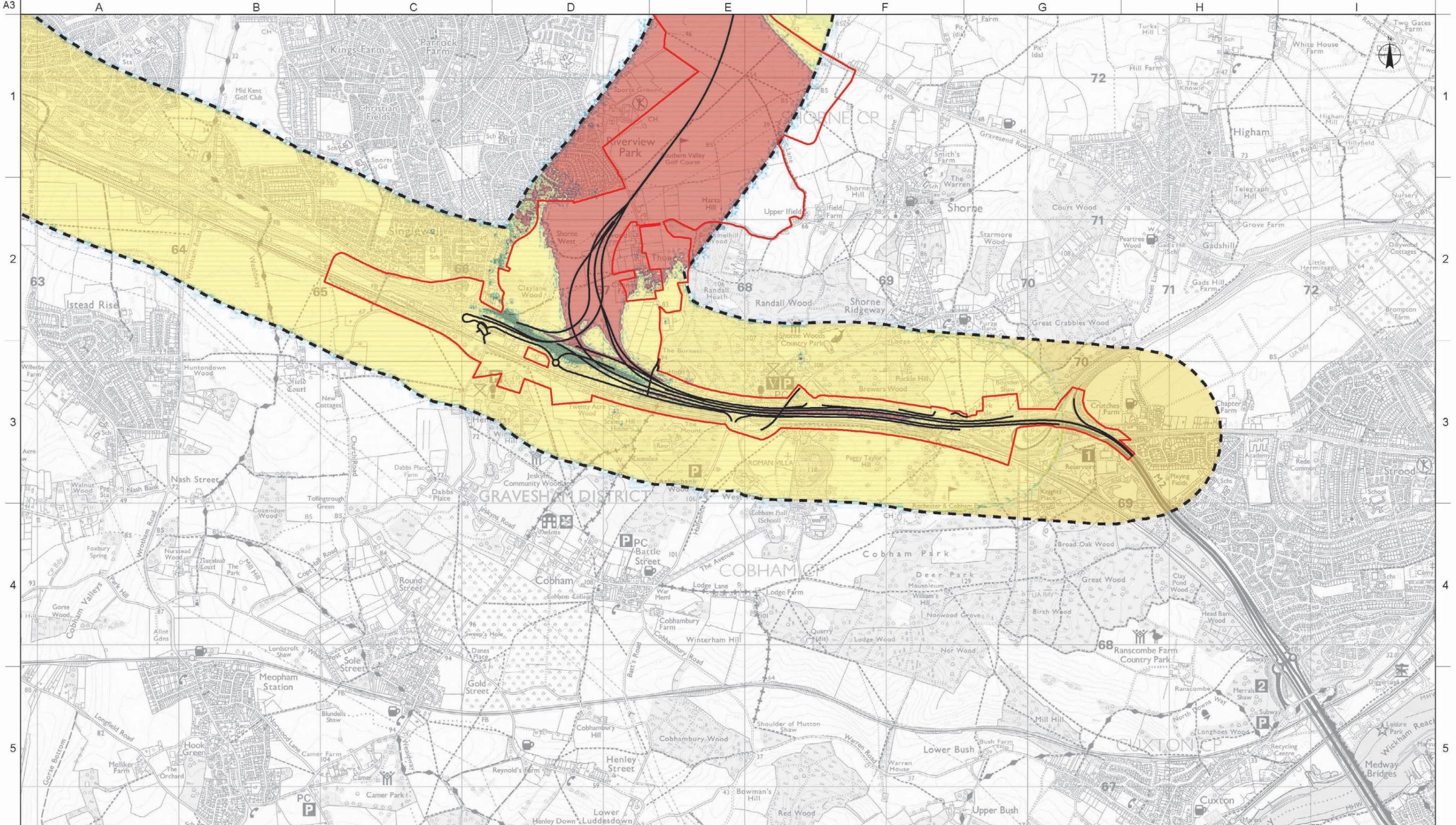


- Legend**
- LTC Route Alignment
 - Development Boundary
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 - Potential Adverse Noise Impact (Greater than 1dB(A))
 - Negligible Noise Impact (Less than 1dB(A) Change)
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Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
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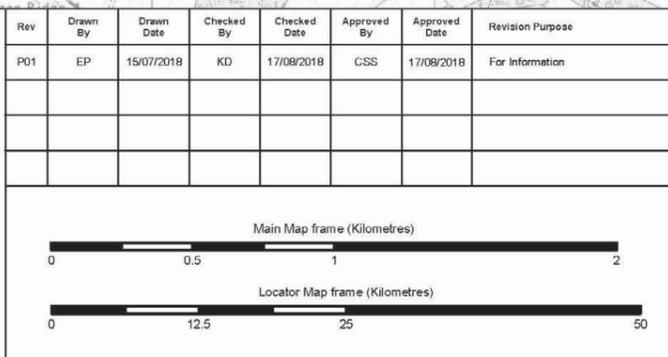


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Project Title	LOWER THAMES CROSSING STATUTORY CONSULTATION	
Drawing Title	Figure 13.3 - Potential Short Term Operational Road Traffic Noise Impacts Sheet 7 of 7	
Suitability	Status	Revision
For Information	S2	P01
Drawing Number: HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40040		

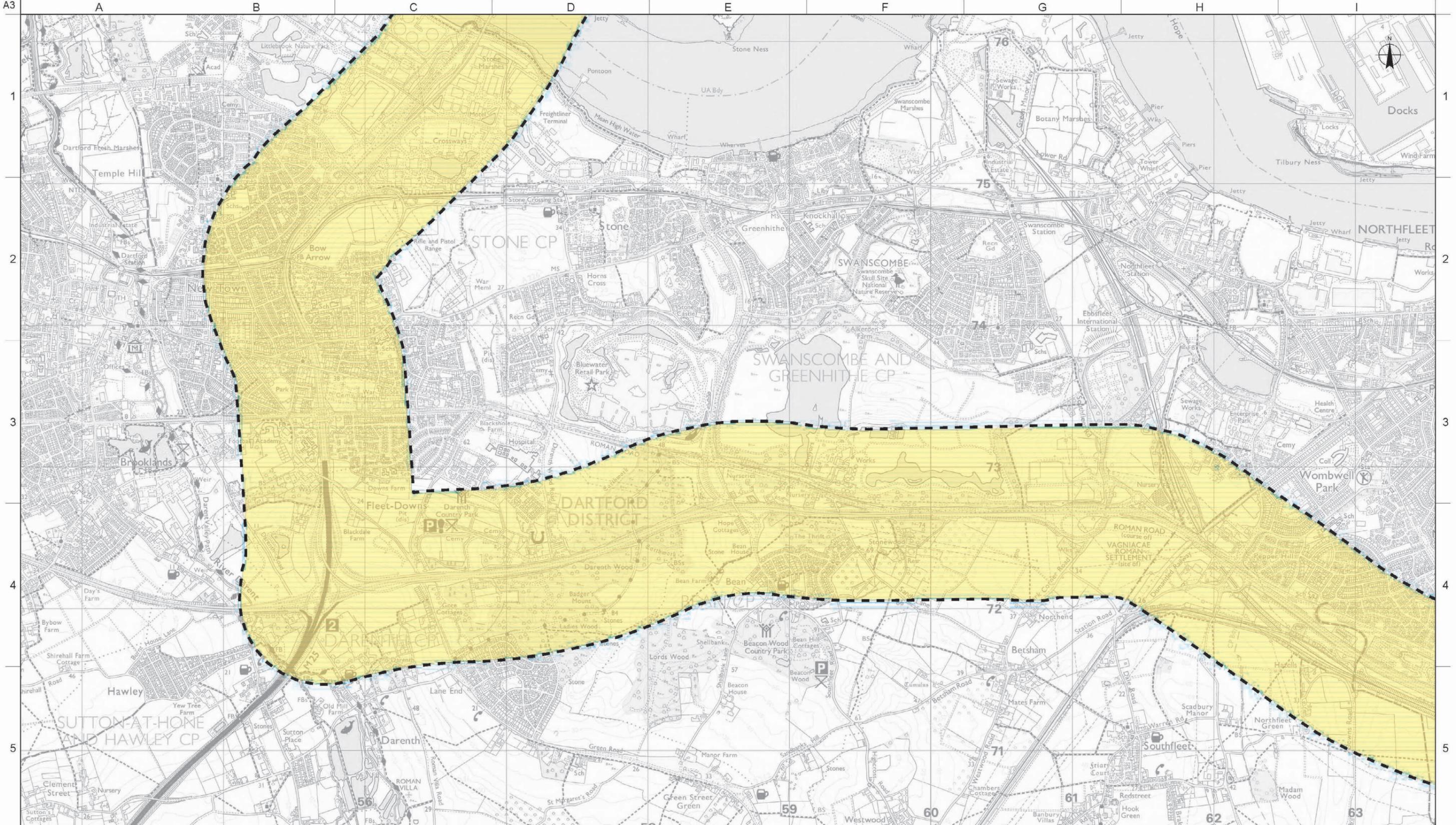


Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information

- Legend**
- LTC Route Alignment
 - Development Boundary
 - 600m Noise Study Area
 - Potential Adverse Noise Impact (Greater than 3dB(A))
 - Negligible Noise Impact (Less than 3dB(A) Change)
 - Potential Beneficial Noise Impact (Greater than 3dB(A))



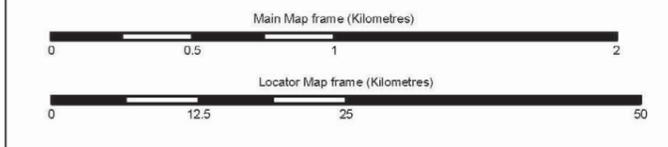
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Drawing Title Figure 13.4 - Potential Long Term Operational Road Traffic Noise Impacts Sheet 1 of 7		Suitability For Information	Status S2
		Revision P01	Drawing Number HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40041

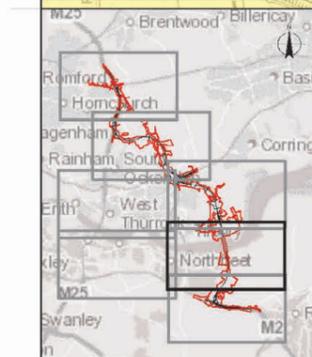
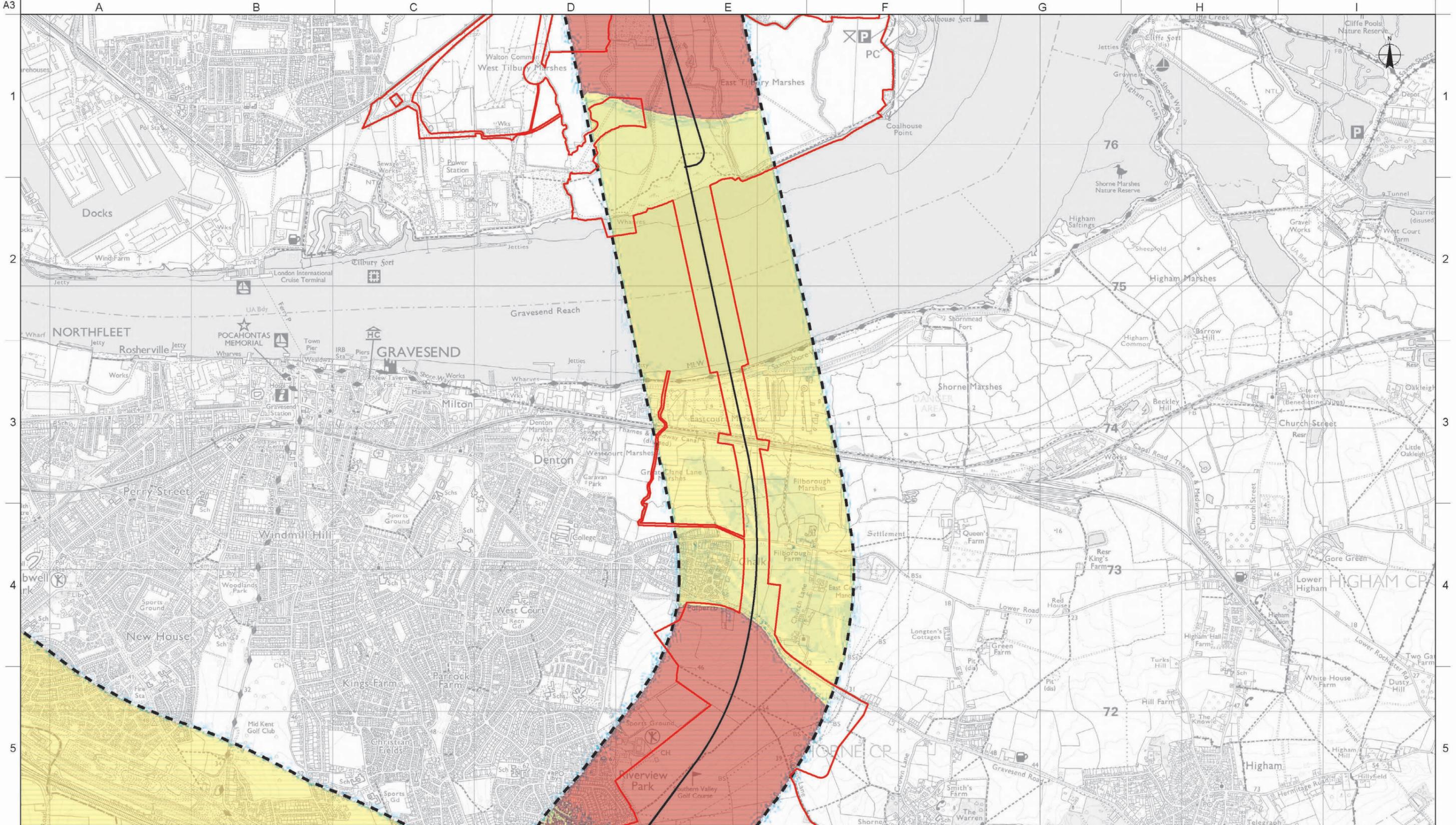


Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information

- Legend**
- LTC Route Alignment
 - Development Boundary
 - 600m Noise Study Area
 - Potential Adverse Noise Impact (Greater than 3dB(A))
 - Negligible Noise Impact (Less than 3dB(A) Change)
 - Potential Beneficial Noise Impact (Greater than 3dB(A))

Client				Scale at A3	
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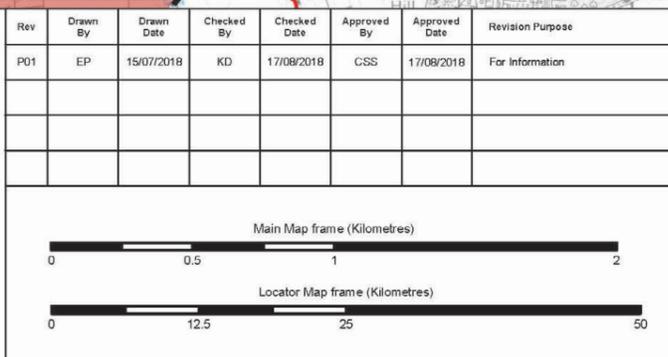


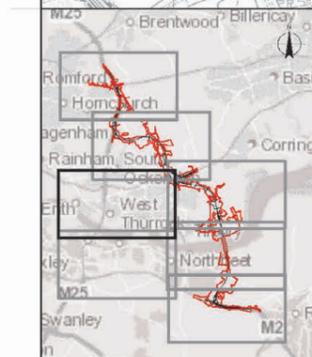
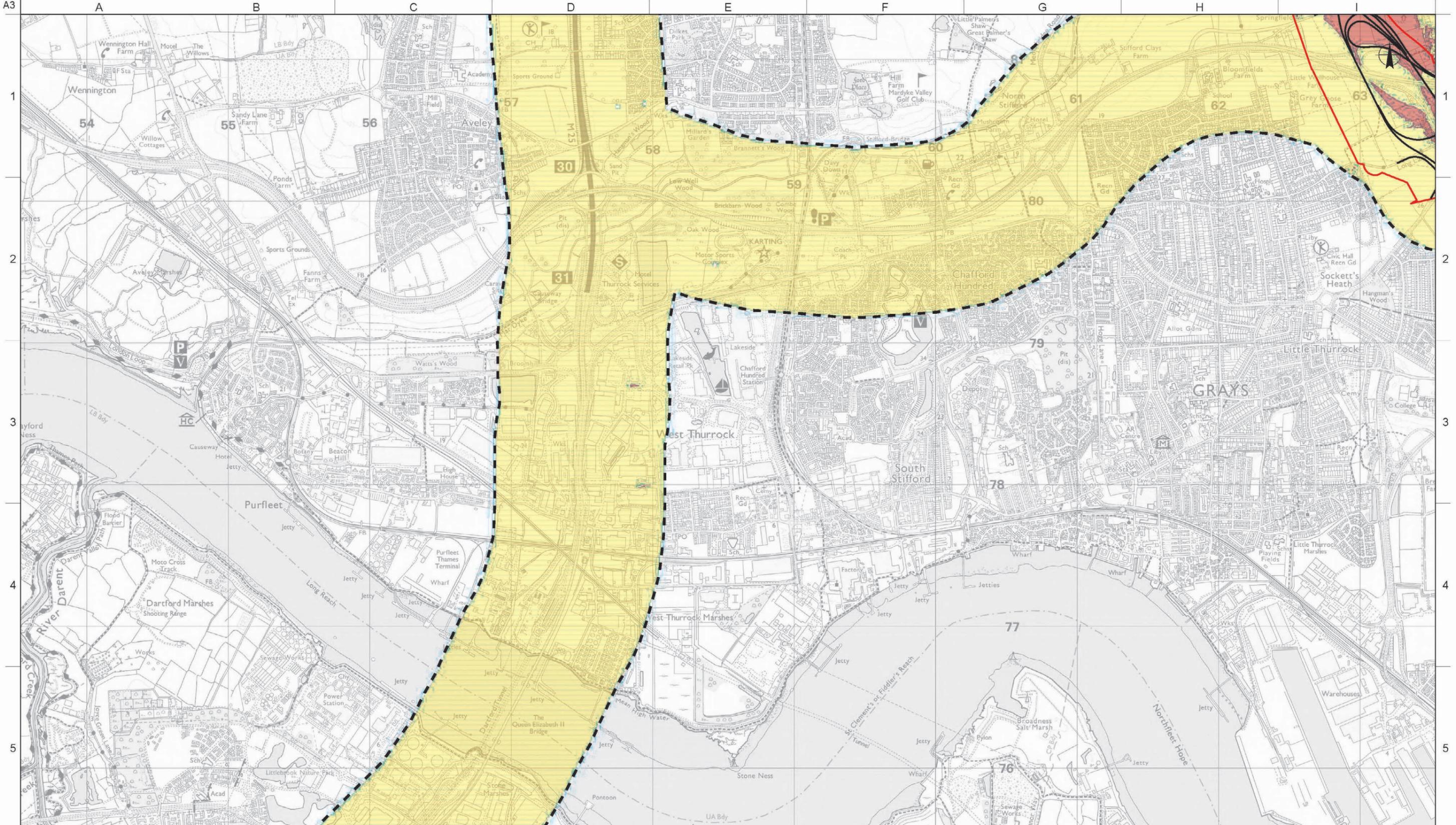


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P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information

Client			
Project Title	LOWER THAMES CROSSING STATUTORY CONSULTATION		
Drawing Title	Figure 13.4 - Potential Long Term Operational Road Traffic Noise Impacts Sheet 3 of 7		

Scale at A3	Main Map frame 1:25,000	
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Suitability	Status	Revision
For Information	S2	P01
Drawing Number	HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40041	

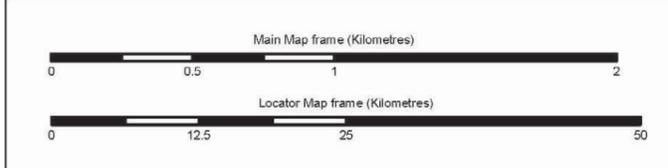




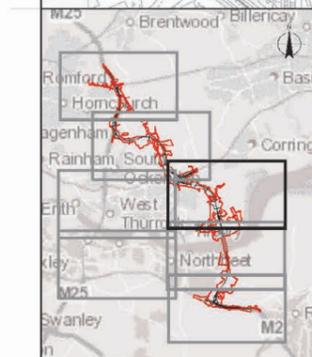
Legend

- LTC Route Alignment
- Development Boundary
- 600m Noise Study Area
- Potential Adverse Noise Impact (Greater than 3dB(A))
- Negligible Noise Impact (Less than 3dB(A) Change)
- Potential Beneficial Noise Impact (Greater than 3dB(A))

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information



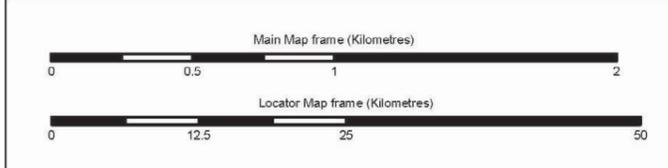
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Drawing Title	Figure 13.4 - Potential Long Term Operational Road Traffic Noise Impacts		Suitability	Status
	Sheet 4 of 7		For Information	S2
		Revision	P01	
Drawing Number HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40041				



Legend

- LTC Route Alignment
- Development Boundary
- 600m Noise Study Area
- Potential Adverse Noise Impact (Greater than 3dB(A))
- Negligible Noise Impact (Less than 3dB(A) Change)
- Potential Beneficial Noise Impact (Greater than 3dB(A))

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information



Client

Project Title
**LOWER THAMES CROSSING
STATUTORY CONSULTATION**

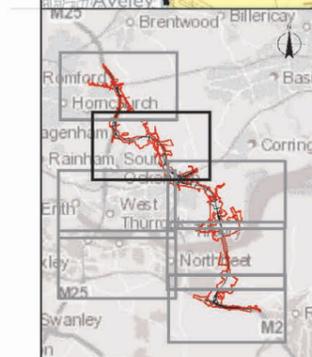
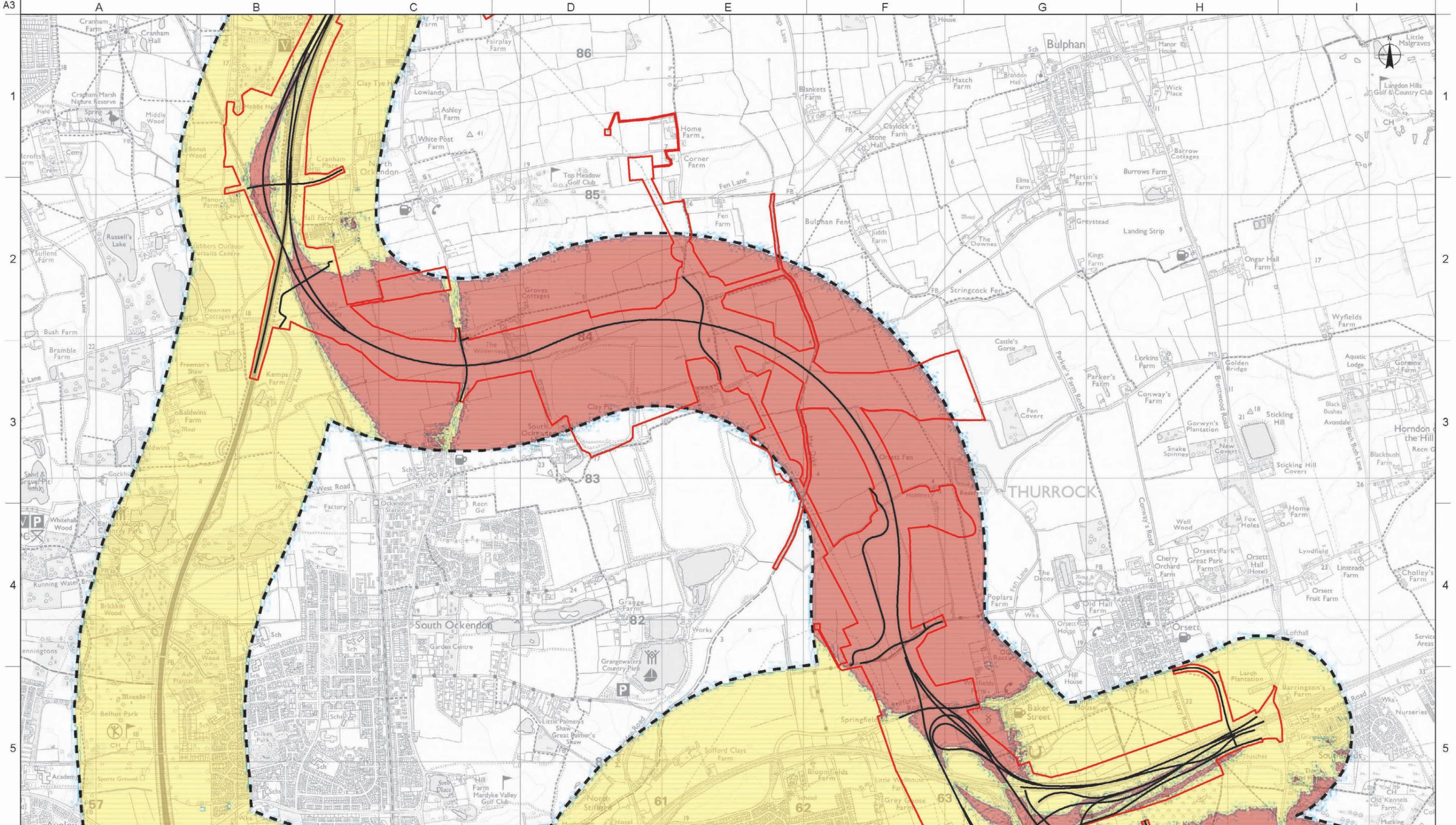
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**Figure 13.4 - Potential Long Term
Operational Road Traffic Noise Impacts
Sheet 5 of 7**

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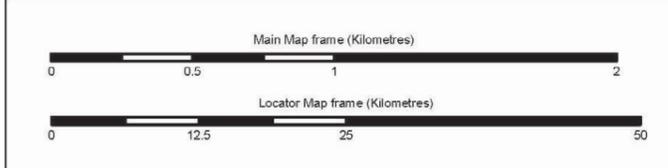
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For Information	S2	P01

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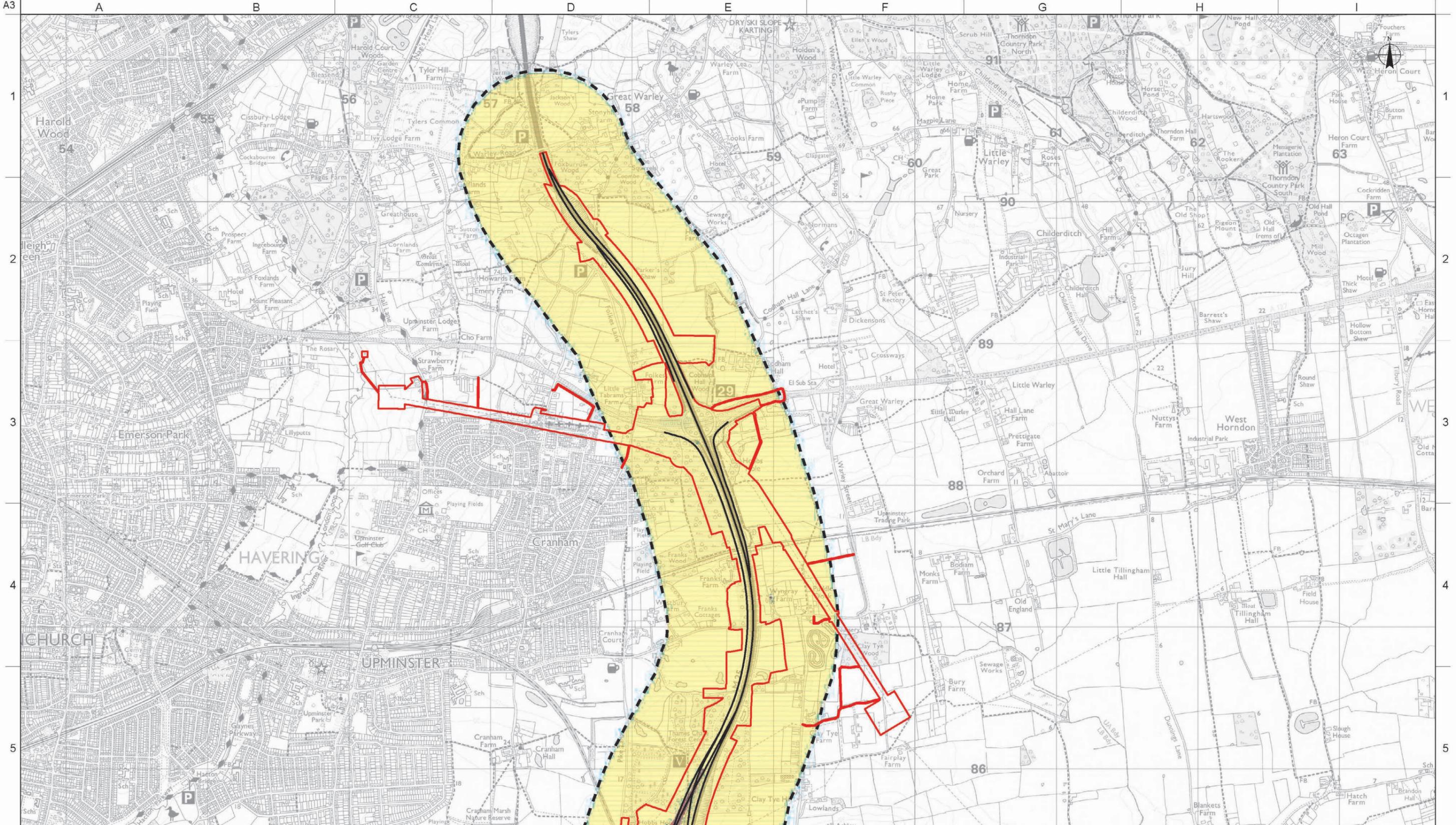


- Legend**
- LTC Route Alignment
 - Development Boundary
 - 600m Noise Study Area
 - Potential Adverse Noise Impact (Greater than 3dB(A))
 - Negligible Noise Impact (Less than 3dB(A) Change)
 - Potential Beneficial Noise Impact (Greater than 3dB(A))

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
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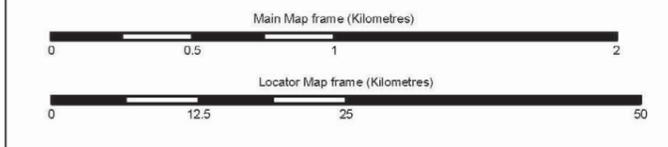


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Drawing Title Figure 13.4 - Potential Long Term Operational Road Traffic Noise Impacts Sheet 6 of 7			Suitability For Information
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Drawing Number HE540039-CJV-ENV-SZP_EGNE0000000-DR-LE-40041			



- Legend**
- LTC Route Alignment
 - Development Boundary
 - 600m Noise Study Area
 - Potential Adverse Noise Impact (Greater than 3dB(A))
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 - Potential Beneficial Noise Impact (Greater than 3dB(A))

Rev	Drawn By	Drawn Date	Checked By	Checked Date	Approved By	Approved Date	Revision Purpose
P01	EP	15/07/2018	KD	17/08/2018	CSS	17/08/2018	For Information



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Project Title	LOWER THAMES CROSSING STATUTORY CONSULTATION	
Drawing Title	Figure 13.4 - Potential Long Term Operational Road Traffic Noise Impacts Sheet 7 of 7	
Client	Suitability	Status
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	Revision	P01
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