

# 9. Noise & Vibration

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## **Appendix 9.1**

# **ROAD TRAFFIC NOISE ASSESSMENT**

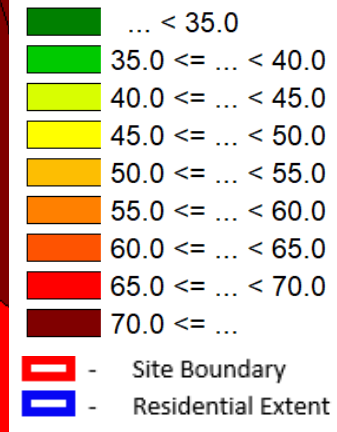
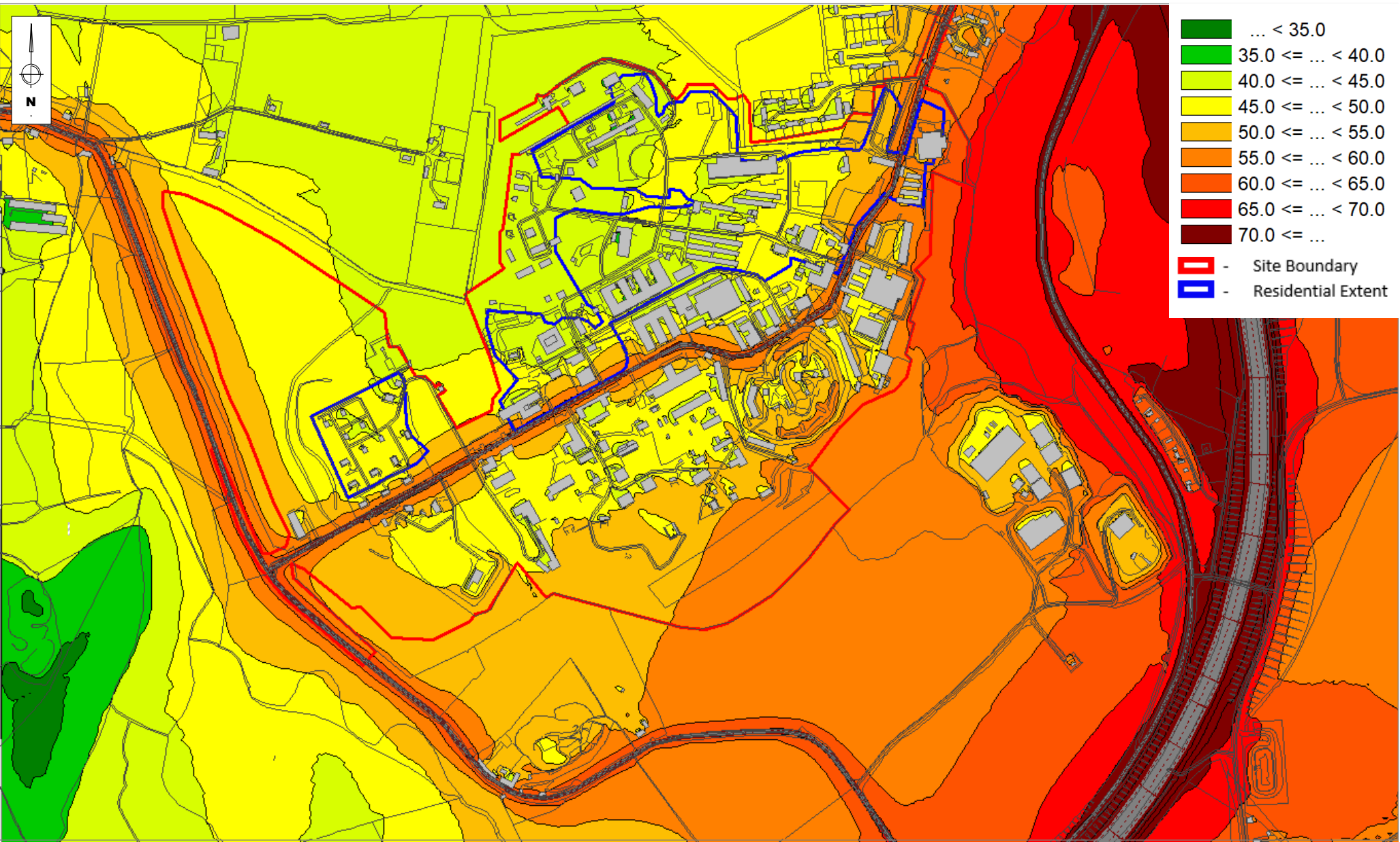
## APPENDIX 9.1: ROAD TRAFFIC NOISE ASSESSMENT

Road Link	2018 Base L <sub>10, 18hr</sub> dBA	2035 Without Development L <sub>10, 18hr</sub> dBA	2035 With Development L <sub>10, 18hr</sub> dBA	Difference 2035 Without - With Development, L <sub>10, 18hr</sub> dBA
M25	89	89	89	0
Crow Drive	61	66	67	+1
Star Hill (S)	65	65	66	+1
Polhill	71	72	72	0
Otford Lane	58	58	58	0
A224 London Rd	70	71	71	0
Star Hill (N)	64	65	65	0
Main Rd/Halstead	62	63	63	0

Table 9.1.1: Differences in the Road Traffic Basic Noise Level (BNL), dB LA10,18hr

Predicted road traffic noise levels are presented in the following Figures:

- **Figure 9.1.1:** Predicted Road Traffic Noise Levels - 2018 Baseline;
- **Figure 9.1.2:** Predicted Road Traffic Noise Levels - 2035 Without Development;
- **Figure 9.1.3:** Predicted Road Traffic Noise Levels - 2035 With Development; and,
- **Figure 9.1.4:** Change in Predicted Road Traffic Noise Levels Without and With Development 2035.



Project Title  
**Fort Halstead**

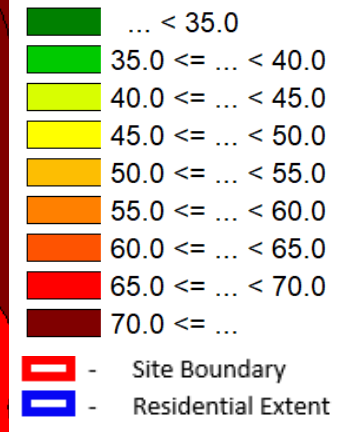
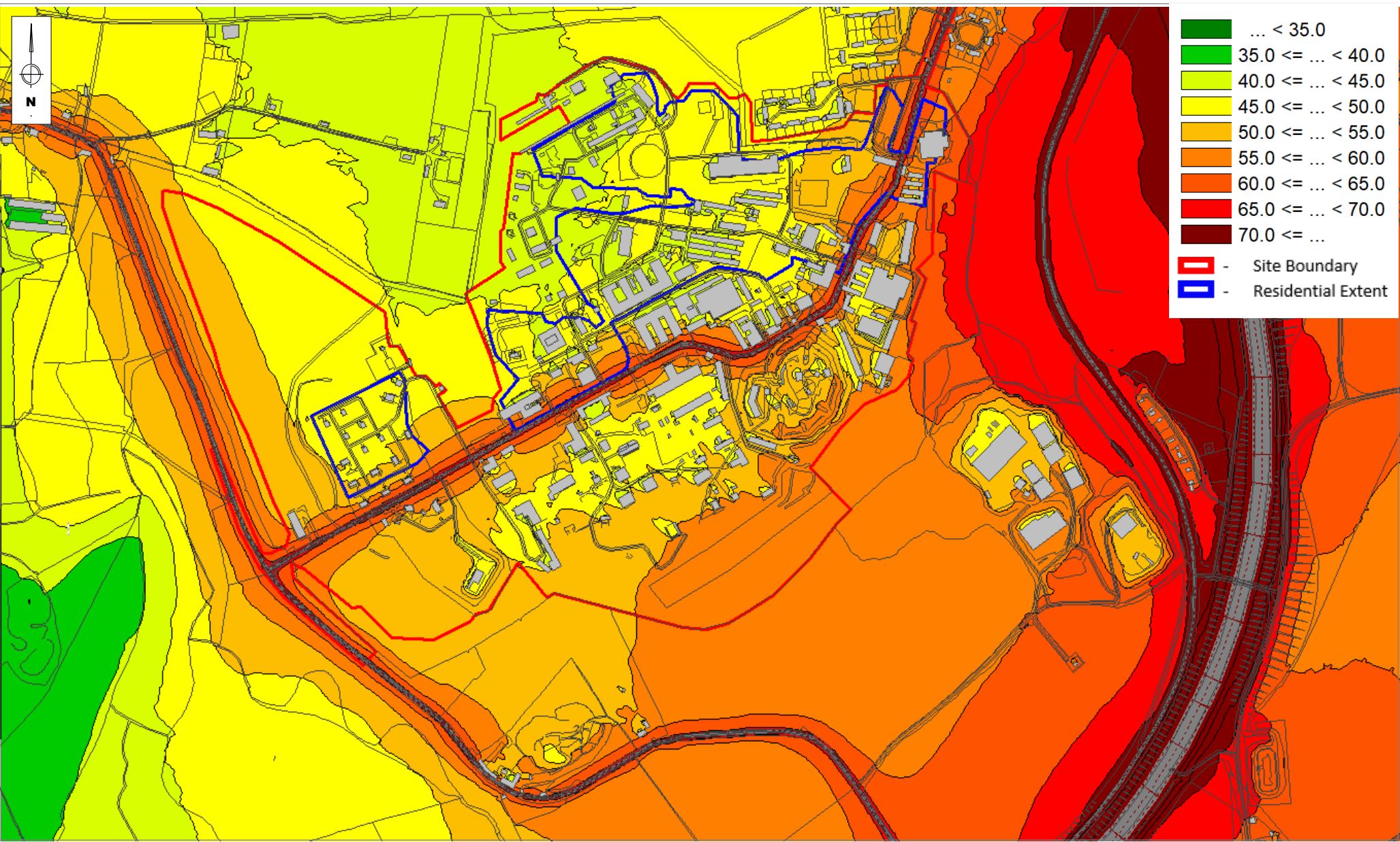
Drawing Title  
**Predicted Road Traffic Noise Levels - 2018 Baseline,  $L_{AFmax}$  dB**

Job Number	C-10730	By	EG
Date	26.05.20	Checked	LS
Scale	NTS	Status	A1

Rev	Description	Date	By
-	-	-	-
-	-	-	-
-	-	-	-

Drawing No.  
**Figure 9.1.1**

Issue  
**01**



Project Title  
Fort Halstead

Drawing Title  
Predicted Road Traffic Noise Levels – 2035 Without Development,  $L_{AFmax}$  dB

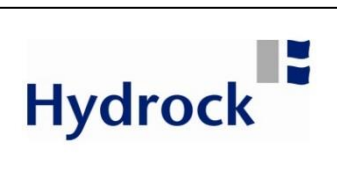
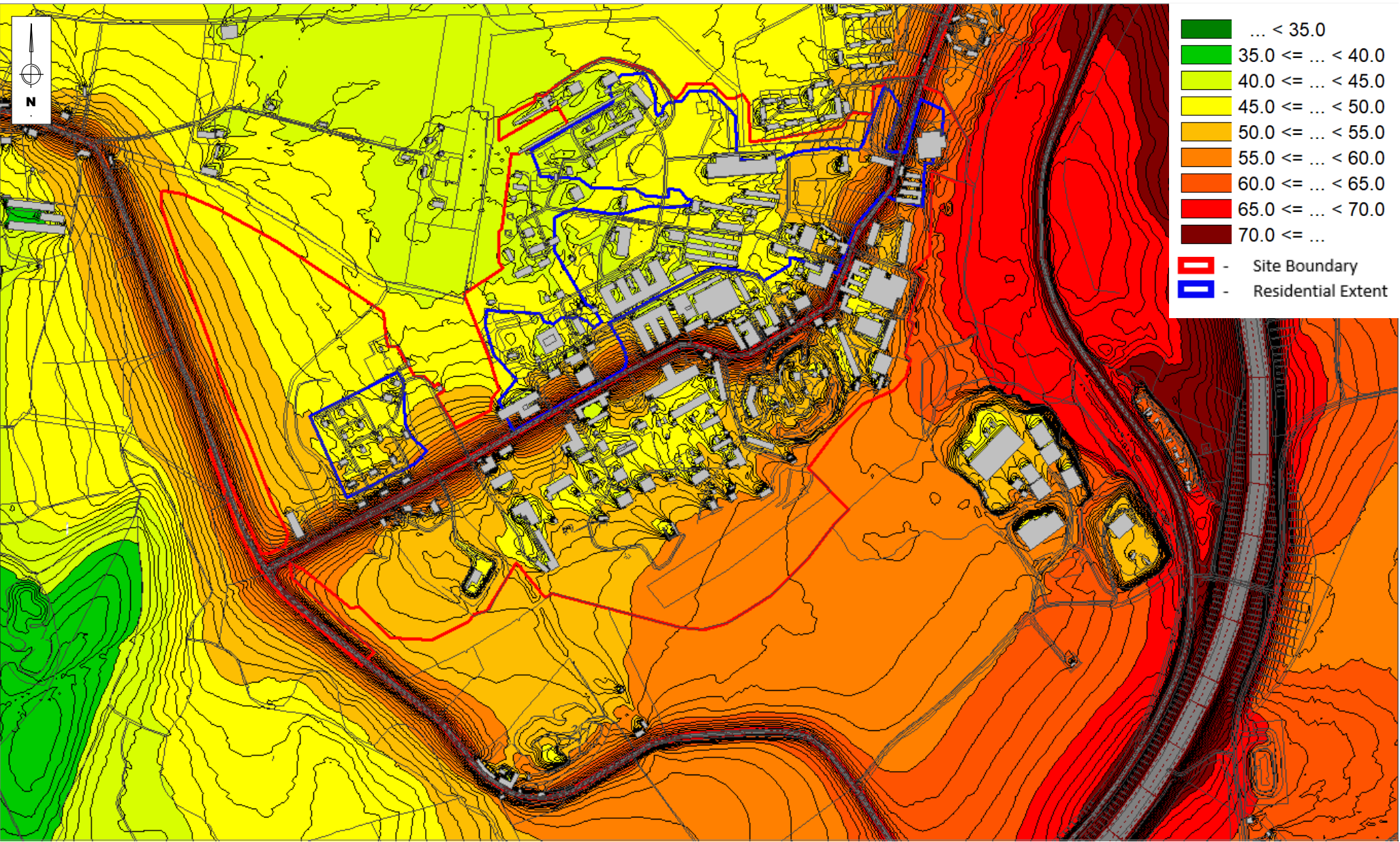
Job Number	C-10730	By	EG
Date	26.05.20	Checked	LS
Scale	NTS	Status	A1

Rev	Description	Date	By
-	-	-	-
-	-	-	-
-	-	-	-

Drawing No.  
Figure 9.1.2

Issue  
01





Project Title  
**Fort Halstead**

Drawing Title  
**Predicted Road Traffic Noise Levels – 2035 With Development, L<sub>AFmax</sub> dB**

Job Number  
**C-10730**

Date  
**26.05.20**

Scale  
**NTS**

By  
**EG**

Checked  
**LS**

Status  
**A1**

Rev	Description	Date	By
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Drawing No.  
**Figure 9.1.3**

Issue  
**01**



	... < 1.0
	1.0 <= ... < 2.0
	2.0 <= ... < 3.0
	3.0 <= ...
	- Site Boundary
	- Residential Extent

	Project Title <b>Fort Halstead</b>	Drawing Title <b>Predicted Change in Road Traffic Noise Levels – 2035 Without to With Development, L<sub>AFmax</sub> dB</b>	Job Number <b>C-10730</b>	By <b>EG</b>	Rev	Description	Date	By	Drawing No. <b>Figure 9.1.4</b>
				Date <b>26.05.20</b>	Checked <b>LS</b>	-	-	-	-
				Scale <b>NTS</b>	Status <b>A1</b>	-	-	-	-
									Issue <b>01</b>