

SALDEN CHASE
OUTLINE PLANNING APPLICATION

Noise

Appendix 12B – Full Significance Criteria Results

Receptor	Floor Assessed	2026 Without Development L _{Aeq,16hr} (dB)	2026 With Development L _{Aeq,16hr} (dB)	Difference between with and without development in 2026 (dB)	Significance
Onsite					
Bletchley Leys Farm	Ground	65.8	68.6	2.8	Not significant
	First	67.0	69.7	2.7	Not significant
Bletchley Leys Farm	Ground	54	56.7	2.7	Not significant
	First	56.0	58.7	2.7	Not significant
The Leys	Ground	47.1	49.9	2.8	Not significant
	First	48.6	51.5	2.9	Not significant
Offsite					
Haydock Close	Ground	46.2	48.4	2.2	Not significant
	First	47.2	49.2	2.0	Not significant
Chase Farm	Ground	43.8	45.2	1.4	Not significant
	First	44.9	46.3	1.4	Not significant
Crabtree Farm	Ground	41.2	41.9	0.7	Not significant
	First	44.4	44.7	0.3	Not significant
Lower Salden Farm	Ground	44.5	45.9	1.4	Not significant

Stearthill House	First	43.9	45.3	1.4	Not significant
	Ground	56.5	56.5	0.0	Not significant
Woodpond Farm	First	58.9	58.9	0.0	Not significant
	Ground	76.6	76.9	0.3	Not significant
Manor Farm	First	77.5	77.8	0.3	Not significant
	Ground	50.8	51.9	1.1	Not significant
Coddimore Lane	First	51.6	52.7	1.1	Not significant
	Ground	54.7	54.8	0.1	Not significant
	First	55.9	56.0	0.1	Not significant

B.1: Daytime Significance Criteria for Existing Noise Sensitive Receptors

Receptor	Floor Assessed	2026 Without Development L _{Aeq,16hr} (dB)	2026 With Development L _{Aeq,16hr} (dB)	Difference between with and without development in 2026 (dB)	Significance
Onsite					
Bletchley Leys Farm	Ground	57.9	60.5	2.6	Not significant
	First	59.1	61.7	2.6	Not significant
Bletchley Leys Farm	Ground	46.0	48.6	2.6	Not significant
	First	48.0	50.6	2.6	Not significant
The Leys	Ground	39.0	41.8	2.8	Not significant
	First	40.5	43.4	2.9	Not significant
Offsite					
Haydock Close	Ground	38.0	40.3	2.3	Not significant
	First	38.9	41.0	2.1	Not significant
Chase Farm	Ground	35.4	36.9	1.5	Not significant
	First	36.6	38.0	1.4	Not significant
Crabtree Farm	Ground	32.9	33.6	0.7	Not significant
	First	36.2	36.5	0.3	Not significant
Lower Salden Farm	Ground	36.2	37.6	1.4	Not significant
	First	35.6	37.0	1.4	Not significant
Stearthill House	Ground	48.4	48.3	-0.1	Not significant

Woodpond Farm	First	50.8	50.6	-0.2	Not significant
	Ground	68.2	68.4	0.2	Not significant
Manor Farm	First	69.0	69.3	0.3	Not significant
	Ground	42.9	44.0	1.1	Not significant
Coddimore Lane	First	43.7	44.7	1.0	Not significant
	Ground	46.7	46.8	0.1	Not significant
	First	48.0	48.0	0.0	Not significant

B.2: Night Time Significance Criteria for Existing Noise Sensitive Receptors

Appendix 12C – Traffic Information Used in the Noise Model

Link No.	Link / Notes	18hr Traffic Flows	Speed Limit of Link (mph)	% Heavy Vehicles >1.5t
1	Whaddon Road (immediately west of NL crossroads)	3576	60	21
2	Whaddon Road (south of Bottledump Rbt)	3590	60	12
6	A421 (W) of Bottledump Rbt	20298	60	16
7	A421 (E) of Bottledump Rbt	20265	70	16
8 model	A421 Standing Way (North-east of Tattenhoe Rbt)	17462	70	18
10	B4034 Buckingham Road (East of Tattenhoe Rbt)	7513	30	11
21	Whaddon Road (S of Coddimoor Lane / A421)	2483	30	12
20	Coddimoor Lane	4017	30	12

Table C.1: 2008 Road Traffic Data Used in the Noise Models

Link No.	Link / Notes	18hr Traffic Flows	Speed Limit of Link (mph)	%Heavy Vehicles >1.5t
1	Whaddon Road (immediately west of NL crossroads)	4713	30	13
2	Whaddon Road (south of Bottledump Rbt)	4713	30	13
6	A421 (W) of Bottledump Rbt	28499	60	17
7	A421 (E) of Bottledump Rbt	28901	70	19
8 model	A421 Standing Way (North-east of Tattenhoe Rbt)	24311	70	19
10	B4034 Buckingham Road (East of Tattenhoe Rbt)	5308	40	11
21	Whaddon Road (S of Coddimoor Lane / A421)	5641	60	13
20	Coddimoor Lane	3487	60	13

Table C.2: 2026 Without development Traffic Data Used in the Noise Models

Link No.	Link / Notes	18hr Traffic Flows	Speed Limit of Link (mph)	% Heavy Vehicles >1.5t
1	Whaddon Road (immediately west of NL crossroads)	5753	30	13
2	Whaddon Road (south of Bottledump Rbt)	8616	30	13
6	A421 (W) of Bottledump Rbt	30621	60	17
7	A421 (E) of Bottledump Rbt	37079	70	19
8	A421 Standing Way (North-east of Tattenhoe Rbt)	16926	70	19
10	B4034 Buckingham Road (East of Tattenhoe Rbt)	13101	40	11
21	Whaddon Road (S of Coddimoor Lane / A421)	5702	60	13
20	Coddimoor Lane	3547	60	13
107	A421 between LILO access and Tattenhoe Rbt	38140	70	19
110	B4034 Buckingham Road (East of Site access)	9542	40	11
40	Internal link - approach to Buckingham Rd	13881	20	11
41	Internal link - SE area of the site	8908	20	11
42	Internal link - SW area of the site	7995	20	11
43	Internal link - N area of the site	3361	20	11

Table C.3: 2026 with development Traffic Data Used in the Noise Models