NOISE

As described in Chapter 19, "Noise," a number of projected and potential development sites require noise attenuation in order to avoid impacts from ambient noise. In order to avoid these impacts, an E-designation would be mapped on these sites as part of the proposed zoning.

There are three levels of required noise attenuation depending upon the ambient noise levels, one is 30 dBA, 35 dBA, and 40 dBA. The text for the E-designation for sites requiring 30 dBA is as follows:

> **"In order to ensure an acceptable interior noise environment, future residential/commercial uses must provide a closed window condition with a minimum of 30 dBA window/wall attenuation on all façades in order to maintain an interior noise level of 45 dBA. In order to maintain a closed-window condition, an alternate means of ventilation must also be provided. Alternate means of ventilation includes, but is not limited to, air conditioning sleeves or HUD approved fans."**

The projected and potential development sites where the 30 dBA level of noise attenuation would be required are presented in Tables G-1 (projected sites) and G-2 (potential sites).

For sites requiring 35 dBA noise attenuation, the following E-designation noise text would apply:

> **"In order to ensure an acceptable interior noise environment, future residential/commercial uses must provide a closed window condition with a minimum of 35 dBA window/wall attenuation on all façades in order to maintain an interior noise level of 45 dBA. In order to maintain a closed-window condition, an alternate means of ventilation must also be provided. Alternate means of ventilation includes, but is not limited to, central air conditioning."**

For facades requiring 40 dBA noise attenuation, the following E-designation noise text would apply:

> **"In order to ensure an acceptable interior noise environment, future residential/commercial uses must provide a closed window condition with a minimum of 40 dBA window/wall attenuation in order to maintain an interior noise level of 45 dBA. To achieve 40 dBA of building attenuation, special design features that go beyond the normal double-glazed windows are necessary and may include using specially designed windows (i.e., windows with small sizes, windows with air gaps, windows with thicker glazing, etc.), and additional building attenuation. In order to maintain a closed-window condition, an alternate means of ventilation must also be provided. Alternate means of ventilation includes, but is not limited to, central air conditioning."**

With the attenuation measures specified above, the proposed rezoning would not result in any significant adverse noise impacts, and would meet CEQR guidelines.

The E-designations for these sites affected by ambient noise are presented in Tables G-1 and G-2.

Table G-1
Projected Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
1 Total	354	37	C4-4A	Residential	8	35
	354	38	C4-4A	Residential		
2 Total	408	24	C4-4A	Residential	5	35
3 Total	408	26	C4-4A	Residential	5	35
4 Total	410	13	C4-4A	Residential/Commercial	8	35
	410	16	C4-4A	Residential/Commercial		
5 Total	410	52	C4-4A	Residential	8	35
6 Total	411	12	C4-4A	Residential	6	30
7 Total	411	19	C4-4A	Residential	6	30
8 Total	411	41	C4-4A	Residential	6	30
9 Total	412	2	C4-4A	Residential	6	30
10 Total	412	12	C4-4A	Residential	6	30
11 Total	413	25	C4-4A	Residential	5	35
12 Total	413	26	C4-4A	Residential	5	35
13 Total	413	29	C4-4A	Residential	5	35
14 Total	415	10	C4-4A	Residential	8	35
15 Total	415	23	C4-4A	Residential	8	35
16 Total	415	27	C4-4A	Residential	8	35
17 Total	415	36	C4-4A	Residential	8	35
18 Total	416	23	C4-4A	Residential	8	35
19 Total	416	53	C4-4A	Residential	1	35
20 Total	416	56	C4-4A	Residential	1	35
21 Total	416	58	C4-4A	Residential	1	35
22 Total	417	64	C4-4A	Residential	1	35
23 Total	418	39	C4-4A	Residential	8	35
24 Total	418	51	C4-4A	Residential	8	35
	418	52	C4-4A	Residential		
	418	53	C4-4A	Residential		
25 Total	419	73	C4-4A	Residential	6	30
26 Total	419	75	C4-4A	Residential	6	30
27 Total	421	60	C4-4A	Residential	6	30

Table G-1 (cont'd)
Projected Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
28 Total	422	42	C4-4A	Residential	6	30
	422	43	C4-4A	Residential		
29 Total	348	34	C6-2A*	Residential	7	40
30 Total	348	36	C6-2A*	Residential	7	40
31 Total	353	42	C6-2A*	Residential	7	40
32 Total	353	47	C6-2A*	Residential/Commercial	7	40
	353	75	C6-2A*	Residential/Commercial		
	353	79	C6-2A*	Residential/Commercial		
	353	80	C6-2A*	Residential/Commercial		
	353	82	C6-2A*	Residential/Commercial		
	353	83	C6-2A*	Residential/Commercial		
33 Total	409	17	C6-2A*	Residential	7	40
34 Total	409	20	C6-2A*	Residential	8	35
35 Total	410	32	C6-2A*	Residential	7	40
36 Total	410	33	C6-2A*	Residential	7	40
37 Total	410	34	C6-2A*	Residential	7	40
38 Total	410	64	C6-2A*	Residential	7	40
39 Total	410	67	C6-2A*	Residential	7	40
	410	68	C6-2A*	Residential		
	410	69	C6-2A*	Residential		
40 Total	412	13	C6-2A*	Residential	5	35
	412	14	C6-2A*	Residential		
	412	16	C6-2A*	Residential		
41 Total	412	21	C6-2A*	Residential	5	35
42 Total	417	12	C6-2A*	Residential	5	35
43 Total	417	13	C6-2A*	Residential	6	30
44 Total	423	21	C6-2A*	Residential	1	35
45 Total	424	27	C6-2A*	Residential	1	35
46 Total	424	35	C6-2A*	Residential	1	35
47 Total	425	30	C6-2A*	Residential	1	35
48 Total	425	31	C6-2A*	Residential	1	35
49 Total	425	32	C6-2A*	Residential	1	35
50 Total	426	27	C6-2A*	Residential	1	35
51 Total	426	28	C6-2A*	Residential	1	35
52 Total	426	33	C6-2A*	Residential	1	35
53 Total	426	35	C6-2A*	Residential	1	35

Table G-1 (cont'd)
Projected Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
54 Total	426	38	C6-2A*	Residential	1	35
55 Total	443	1	C6-2A*	Residential	1	35
56 Total	444	3	C6-2A*	Residential	1	35
	444	5	C6-2A*	Residential		
57 Total	456	27	C6-2A*	Residential	1	35
58 Total	457	33	C6-2A*	Residential	1	35
59 Total	344	53	R7A	Residential	9,10	30
	344	54	R7A	Residential		
60 Total	344	141	R7A	Residential	9,10	30
	344	144	R7A	Residential		
61 Total	344	157	R7A	Residential	9,10	30
62 Total	345	1	R7A	Residential	6	30
63 Total	345	2	R7A	Residential	6	30
64 Total	345	6	R7A	Residential	6	30
65 Total	345	7	R7A	Residential	6	30
66 Total	345	8	R7A	Residential	6	30
67 Total	345	26	R7A	Residential	6	30
69 Total	345	30	R7A	Residential	6	30
	345	32	R7A	Residential		
	345	33	R7A	Residential		
70 Total	348	46	R7A	Residential	6	30
71 Total	348	64	R7A	Residential	8	35
	348	66	R7A	Residential		
72 Total	350	4	R7A	Residential	8	35
73 Total	350	38	R7A	Residential	8	35
74 Total	350	68	R7A	Residential	6	30
75 Total	350	69	R7A	Residential	6	30
76 Total	350	71	R7A	Residential	6	30
77 Total	350	73	R7A	Residential	6	30
78 Total	353	28	R7A	Residential	6	30
	353	29	R7A	Residential		
	353	30	R7A	Residential		
79 Total	353	34	R7A	Residential	8	35
80 Total	354	18	R7A	Residential	8	35
	354	19	R7A	Residential		
81 Total	354	25	R7A	Residential	6	30
82 Total	355	65	R7A	Residential	6	30
83 Total	355	59	R7A	Residential	6	30
84 Total	373	2	R7A	Residential	2	30

Table G-1 (cont'd)
Projected Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
85 Total	376	1	R7A	Residential	2	30
	376	2	R7A	Residential		
86 Total	376	63	R7A	Residential	2	30
87 Total	385	4	R7A	Residential	2	30
88 Total	387	33	R7A	Residential	2	30
89 Total	387	34	R7A	Residential	2	30
90 Total	390	1	R7A	Residential	2	30
	390	105	R7A	Residential		
91 Total	390	39	R7A	Residential	2	30
92 Total	391	7	R7A	Residential	2	30
93 Total	394	10	R7A	Residential	2	30
94 Total	394	36	R7A	Residential	2	30
95 Total	398	34	R7A	Residential	2	30
96 Total	399	8	R7A	Residential	2	30
98 Total	406	29	R7A	Residential	2	30
99 Total	406	36	R7A	Residential	2	30
100 Total	434	3	R7A	Residential	1	35
102 Total	438	10	R7A	Residential	2	30
103 Total	439	27	R7A	Residential	2	30
	439	31	R7A	Residential		
	439	33	R7A	Residential		
	439	34	R7A	Residential		
104 Total	444	42	R7A	Residential	1	35
105 Total	446	29	R7A	Residential	1	35
106 Total	447	32	R7A	Residential	1	35
107 Total	449	5	R7A	Residential	1	35
108 Total	452	33	R7A	Residential	1	35
	452	34	R7A	Residential		
109 Total	465	53	R7A	Residential	1	35
116 Total	378	28	R8B	Residential	2	30
	378	29	R8B	Residential		
	378	30	R8B	Residential		
117 Total	379	21	R8B	Residential	2	30
118 Total	379	44	R8B	Residential	2	30
123 Total	390	5	R8B	Residential	2	30
124 Total	392	40	R8B	Residential	2	30
125 Total	392	43	R8B	Residential	2	30
126 Total	393	59	R8B	Residential	3	30

Table G-1 (cont'd)
Projected Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
127 Total	394	32	R8B	Residential	2	30
	394	34	R8B	Residential		
131 Total	404	23	R8B	Residential	2	30
132 Total	405	19	R8B	Residential	2	30
133 Total	406	19	R8B	Residential	2	30
134 Total	406	23	R8B	Residential	2	30
	406	24	R8B	Residential		
135 Total	406	45	R8B	Residential	2	30
136 Total	406	48	R8B	Residential	2	30
	434	48	R8B	Residential	2	30
138 Total	438	11	R8B	Residential	2	30
	438	12	R8B	Residential		
139 Total	439	26	R8B	Residential	2	30
140 Total	440	26	R8B	Residential	2	30
141 Total	440	46	R8B	Residential	2	30
146 Total	450	22	R8B	Residential	3	30
147 Total	450	23	R8B	Residential	3	30
148 Total	451	47	R8B	Residential	3	30
	451	48	R8B	Residential		
149 Total	452	20	R8B	Residential	2	30
153 Total	466	12	R8B	Residential	2	30
154 Total	343	63	R8A*	Residential	9	30
155 Total	343	68	R8A*	Residential	10	35
	343	69	R8A*	Residential		
	343	71	R8A*	Residential		
	343	72	R8A*	Residential		
	343	73	R8A*	Residential		
156 Total	345	15	R8A*	Residential	5	35
157 Total	345	16	R8A*	Residential	5	35
158 Total	345	17	R8A*	Residential	5	35
	345	19	R8A*	Residential		
159 Total	348	33	R8A*	Residential	10	35
160 Total	348	70	R8A*	Residential	10	35
161 Total	348	75	R8A*	Residential	10	35
162 Total	350	18	R8A*	Residential	5	35
163 Total	350	62	R8A*	Residential	5	35
	350	63	R8A*	Residential		
164 Total	355	57	R8A*	Residential	5	35
165 Total	372	34	R8A*	Residential	2	30

Table G-1 (cont'd)
Projected Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
166 Total	372	41	R8A*	Residential	2	30
	372	42	R8A*	Residential		
167 Total	372	43	R8A*	Residential	5	35
	372	44	R8A*	Residential		
	372	47	R8A*	Residential		
	372	48	R8A*	Residential		
	372	49	R8A*	Residential		
168 Total	372	52	R8A*	Residential	5	35
169 Total	373	36	R8A*	Residential	2	30
	373	38	R8A*	Residential		
171 Total	374	34	R8A*	Residential	2	30
173 Total	376	32	R8A*	Residential	2	30
	376	33	R8A*	Residential		
174 Total	377	42	R8A*	Residential	2	30
175 Total	378	32	R8A*	Residential	2	30
176 Total	378	34	R8A*	Residential	2	30
177 Total	378	40	R8A*	Residential	2	30
178 Total	384	19	R8A*	Residential	5	35
179 Total	384	21	R8A*	Residential	5	35
180 Total	384	33	R8A*	Residential	5	35

Table G-2
Potential Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
181 Total	354	1	C4-4A	Commercial	8	30*
182 Total	408	4	C4-4A	Residential	6	30
183 Total	410	24	C4-4A	Residential	8	35
184 Total	410	51	C4-4A	Residential/Commercial	6	30
185 Total	411	15	C4-4A	Residential	6	30
186 Total	411	16	C4-4A	Residential	6	30
187 Total	412	72	C4-4A	Residential	6	35
188 Total	416	28	C4-4A	Residential		
189 Total	418	35	C4-4A	Residential	1	35
190 Total	418	43	C4-4A	Residential	6	30
191 Total	418	54	C4-4A	Residential	1	30

Table G-2 (cont'd)
Potential Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
192 Total	418	55	C4-4A	Residential	5	35
193 Total	418	58	C4-4A	Residential	5	35
194 Total	348	37	C6-2A*	Residential	5	35
195 Total	412	61	C6-2A*	Residential	5	35
196 Total	415	3	C6-2A*	Residential	1	35
197 Total	415	77	C6-2A*	Residential	1	35
198 Total	417	10	C6-2A*	Residential	6	30
199 Total	419	49	C6-2A*	Residential/Commercial	6	30
200 Total	422	49	C6-2A*	Residential/Commercial	5	35
201 Total	422	53	C6-2A*	Residential	6	30
202 Total	423	16	C6-2A*	Residential	6	30
	423	17	C6-2A*	Residential		
203 Total	423	26	C6-2A*	Residential	6	30
204 Total	423	29	C6-2A*	Residential	6	30
205 Total	423	126	C6-2A*	Residential	1	35
206 Total	425	28	C6-2A*	Residential/Commercial	1	35
207 Total	425	38	C6-2A*	Residential	1	35
	425	39	C6-2A*	Residential		
208 Total	443	8	C6-2A*	Residential	1	35
209 Total	444	12	C6-2A*	Residential/Commercial	1	35
214 Total	458	25	C6-2A*	Residential/Commercial	1	35
215 Total	458	35	C6-2A*	Residential/Commercial	10	35
216 Total	344	139	R7A	Residential	6	30
217 Total	345	35	R7A	Residential	6	30
218 Total	350	21	R7A	Residential	6	30
219 Total	355	45	R7A	Residential	6	30
220 Total	355	61	R7A	Residential	2	35
221 Total	377	1	R7A	Residential	2	30
222 Total	386	5	R7A	Residential	2	30
	386	7	R7A	Residential		
	386	8	R7A	Residential		
223 Total	387	35	R7A	Residential	2	30
224 Total	392	35	R7A	Residential	2	30
225 Total	398	29	R7A	Residential	2	30
226 Total	402	41	R7A	Residential	2	30
227 Total	402	42	R7A	Residential	3	30

Table G-2 (cont'd)
Potential Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
228 Total	404	56	R7A	Residential	3	30
229 Total	437	25	R7A	Residential	3	30
230 Total	448	4	R7A	Residential	1	35
231 Total	449	30	R7A	Residential	1	35
232 Total	454	40	R7A	Residential	3	30
233 Total	436	8	R7A	Residential	3	30
234 Total	344	56	R7A	Residential	9,10	30
	344	60	R7A	Residential		
250 Total	377	10	R8B	Residential	2	30
255 Total	378	43	R8B	Residential	2	30
259 Total	393	61	R8B	Residential/Commercial	2	30
261 Total	404	46	R8B	Residential	3	30
262 Total	404	47	R8B	Residential	3	30
263 Total	404	52	R8B	Residential	3	30
264 Total	404	53	R8B	Residential	3	30
265 Total	405	39	R8B	Residential	2	30
	405	41	R8B	Residential		
266 Total	406	52	R8B	Residential	2	30
270 Total	435	16	R8B	Residential	2	30
	435	48	R8B	Residential		
	435	49	R8B	Residential		
	435	52	R8B	Residential		
271 Total	440	44	R8B	Residential	2	30
275 Total	449	20	R8B	Residential	3	30
276 Total	450	38	R8B	Residential	3	30
277 Total	454	65	R8B	Residential	2	30
280 Total	464	27	R8B	Residential	3	30
	464	31	R8B	Residential		
	464	132	R8B	Residential		
282 Total	465	58	R8B	Residential	3	30
	465	59	R8B	Residential		
283 Total	468	26	R8B	Residential	2	30
284 Total	468	54	R8B	Residential	2	30
286 Total	343	66	R8A*	Residential	9	30
287 Total	348	38	R8A*	Residential	10	35

Table G-2 (cont'd)
Potential Sites

Site #	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
288 Total	348	71	R8A*	Residential	10	35
289 Total	350	54	R8A*	Residential/Commercial	5	35
290 Total	350	60	R8A*	Residential	5	35
291 Total	350	61	R8A*	Residential	5	35
292 Total	355	51	R8A*	Residential	5	35
293 Total	355	52	R8A*	Residential	5	35
294 Total	355	53	R8A*	Residential	5	35
295 Total	372	3	R8A*	Residential/Commercial	2	30
	372	4	R8A*	Residential/Commercial		
	372	5	R8A*	Residential/Commercial		
296 Total	375	41	R8A*	Residential	2	30
297 Total	429	39	R8A*	Residential	2	30
298 Total	429	40	R8A*	Residential	5	35
299 Total	429	41	R8A*	Residential	5	35
	429	43	R8A*	Residential/Commercial		
301 Total	372	36	R8A*	Residential	2	30
	372	37	R8A*	Residential		
302 Total	374	37	R8A*	Residential	2	30
303 Total	375	44	R8A*	Residential/Commercial	2	30

Notes: *This attenuation required at this location is 5 dB less because it contains only commercial use.

Appendix H: Additional E-Designations for Inclusionary Alternative

Table H-1
Additional Development Sites Potentially Requiring E-Designations for Hazardous Materials under the Inclusionary Alternative

Block/Lot	Address
423/28 (Projected)	246 Grand Street
424/31 (Projected)	133 Chrystie Street
424/37 (Projected)	328 Broome Street
426/37 (Projected)	181 Chrystie Street
387/133 (Potential)	650 East 6th Street
387/135 (Potential)	79 Avenue C
390/34 (Potential)	115 Avenue C
391/33 (Potential)	137 Avenue C
392/32 (Potential)	157 Avenue C
404/58 (Potential)	295 East 10th Street
402/41 (Potential)	98 Avenue B
423/19 (Potential)	323 Broome Street
426/24 (Potential)	17 Stanton Street
429/7 (Potential)	22 First Avenue
434/34 (Potential)	99 Avenue A
434/35 (Potential)	97 Avenue A
435/34 (Potential)	117 Avenue A
438/8 (Potential)	178 First Avenue
440/6 (Potential)	208 First Avenue
440/32 (Potential)	207 Avenue A
443/36 (Potential)	19 First Avenue
443/37 (Potential)	17 First Avenue
445/3 (Potential)	58 Second Avenue
446/6 (Potential)	82 Second Avenue
446/7 (Potential)	84 Second Avenue
450/36 (Potential)	77 St. Mark's Place
454/39 (Potential)	209 First Avenue
460/133 (Potential)	246 East 5th Street
435/35 (Potential)	115 Avenue A
447/5 (Potential)	96 Second Avenue

Note: With the Inclusionary Alternative, sites shown in this table would potentially require E-Designations for hazardous materials, in addition to those sites listed in Table 11-1.

Table H-2
Development Sites that May Require Modifications to E-Designations for Air Quality Compared to the Proposed Actions

Site No.	Block/Lot	Address
48 (Projected) under Alternative 84 (Projected) under Proposed Actions	373/2	42 Avenue C
49 (Projected) under Alternative 85 (Projected) under Proposed Actions	376/1, 2	699 East 6th Street/92 Avenue C
89 (Projected) under Alternative 82 (Projected) under Proposed Actions	354/25	143 Norfolk Street
230 (Potential) under Alternative 232 (Potential) under Proposed Actions	436/8	404 East 9th Street

Table H-3
Additional Development Sites Requiring E-Designations for Noise under the Inclusionary Alternative

Site No.	Block	Lot	Proposed Zoning	Projected Use	Governing Noise Site	Minimum Required Building Attenuation
174	423	28	C6-3A*	Residential	5	35
177	424	31	C6-3A*	Residential	1	35
178	424	37	C6-3A*	Residential	5	35
186	426	37	C6-3A*	Residential	1	35
218	387	135	R7A*	Residential	2	30
219	390	34	R7A*	Residential	2	30
220	391	33	R7A*	Residential	2	30
221	392	32	R7A*	Residential	2	30
255	402	41	R7A*	Residential	2	30
224	404	58	R7A*	Residential	3	30
225	429	7	R7A*	Residential	1	35
226	434	34	R7A*	Residential	2	30
227	434	35	R7A*	Residential	2	30
228	435	34	R7A*	Residential	2	30
229	435	35	R7A*	Residential	2	30
232	438	8	R7A*	Residential	1	35
233	440	6	R7A*	Residential	1	35
234	440	32	R7A*	Residential	2	30
235	443	36	R7A*	Residential	1	35
236	443	37	R7A*	Residential	1	35
237	445	3	R7A*	Residential	1	35
238	446	6	R7A*	Residential	1	35
239	446	7	R7A*	Residential	1	35
240	447	5	R7A*	Residential	1	35
243	450	36	R7A*	Residential	3	30
244	454	39	R7A*	Residential	1	35
327	423	19	C6-3A*	Residential	1	35
329	426	24	C6-3A*	Residential	1	35

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