Appendix E

Construction

NYU Core Phase 1 Truck Projection

Average Delivery Trucks per Day

Work Task	Start Date	End Date	Truck Type	Average Truck per Day	Peak Trucks per Day	Peak Trucks per hour	Total Deliveries for Period	Duration in days	Check
Tennessee Gym									
Excavation & Foundations	10/1/2013	12/1/2013	Dump truck (20 cy)	1	4	3	44	44	44
	10/1/2013	12/1/2013	Concrete Truck (11 yd)	3	15	4	131	44	132
	10/1/2013	12/1/2013	Concrete Pump Truck (1)	0.25	1	1	11	44	11
	10/1/2013	12/1/2013	Rat-Bed Truck (Misc Deliveries)	2	4	2	87	44	88
	10/1/2013	12/1/2013	Steel Delivery Trucks	2	4	2	87	44	88
Superstructure	12/1/2013	1/17/2014	Steel Deliveries (Tractor Trailer)	2	6	4	67	35	70
	12/1/2013	1/17/2014	Rat-Bed Truck (Misc Deliveries)	1	5	4	34	35	35
	12/1/2013	1/17/2014	Utility / Fuel deliveries	1	1	1	34	35	35
	12/1/2013	1/17/2014	Rubbish Carting Trucks	0.2	1	1	10	35	0
Envelope	1/1/2014	3/1/2014	Curtainwall Panel Delivery Trucks	2	4	2	90	45	90
	1/1/2014	3/1/2014	Window Deliveries	0.5	4	2	21	43	21.5
	1/1/2014	3/1/2014	Rat-Bed Truck (Misc Deliveries)	1	3	2	42	43	43
	1/1/2014	3/1/2014	Utility / Fuel deliveries	0.5	1	1	21	43	21.5
Interiors	2/1/2014	6/30/2014	Bin Truck / Van Deliveries	6	16	4	639	105	636
	2/1/2014	6/30/2014	Flatbed / Trailer Deliveries	1	4	2	106	105	106
	2/1/2014	6/30/2014	Rubbish carting Trucks	0.5	1	1	51	105	52
Paper Building Tower									
Demolition of Existing Gym	7/1/2014	12/31/2014	Rat-Bed Truck (Misc Deliveries)	0.5	1	2	65	132	66
	7/1/2014	12/31/2014	Utility / Fuel deliveries	0.5	1	1	65	132	66
	7/1/2014	12/31/2014	20 yard Dump Trucks	1	4	2	131	132	132
	7/1/2014	12/31/2014	Rubbish Carting Trucks	1	2	1	131	132	132
Excavation/Foundation	4/1/2015	6/15/2016	Dump Truck (20 cy)	4	30	5	1260	316	1260
	4/1/2015	6/15/2016	Concrete Truck (11 yd)	4	30	5	1260	316	1264
	4/1/2015	6/15/2016	Concrete Pump Truck (1)	0.2	1	1	63	316	63.2
	1/1/2015	6/15/2016	Rat-Bed Truck (Misc Deliveries)	3	4	2	1138	380	1140
	1/1/2015	6/15/2016	Utility / Fuel deliveries	1	2	1	379	380	380
Superstructure	2/1/2016	11/1/2016	Concrete Truck (11 yd)	0.4	1	1	78	197	78.8
	2/1/2016	11/1/2016	Concrete Pump Truck (1)	1	30	5	1380	197	1379
	2/1/2016	11/1/2016	Rubbish Carting Trucks /misc inc in c	1	2	1	196	197	197
	2/1/2016	11/1/2016	Flatbed Deliveries	6	12	4	1174	197	1182
	2/1/2016	11/1/2016	Utility / Fuel Deliveries	1	1	1	196	197	197
	2/1/2016	11/1/2016	Bin Truck Deliveries	12	24	4	2348	197	2364
Envelope	7/1/2016	4/1/2017	Curtainwall Panel Delivery Truck	2	5	4	391	196	392
	7/1/2016	4/1/2017	Window Deliveries	1	4	2	196	196	196
	7/1/2016	4/1/2017	Rat-Truck (Misc deliveries)	2	4	2	391	196	392
Interiors	12/1/2016	12/31/2017	Bin Truck / Van Deliveries	12	16	4	2086	282	2364
	12/1/2016	12/31/2017	Flatbed / Trailer Deliveries	4	8	2	1139	282	1128
	12/1/2016	12/31/2017	Rubbish carting Trucks	1	2	1	282	282	282
Paper Building Academic									
Superstructure	5/1/2016	8/1/2017	Concrete Pump Truck	0.4	1	1	131	327	130.8
	5/1/2016	8/1/2017	Concrete Truck 11 yds	3	30	5	977	327	981
	4/1/2016	6/1/2017	Rubbish Carting Trucks	1	2	1	304	305	305
	9/1/2016	8/1/2017	Steel Delivery Trucks	4	8	5	780	196	784
	11/2/2016	3/1/2017	Precast Panel Deliveries	4	6	4	343	87	348
	4/1/2016	6/1/2017	Flatbed Deliveries	8	12	2	2434	305	2440
	4/1/2016	6/1/2017	Utility / Fuel Deliveries	1	2	1	304	305	305
	4/1/2016	6/1/2017	Bin Truck Deliveries	8	16	3	2434	305	2440
Envelope	4/1/2017	12/1/2017	Curtainwall Panel Delivery Truck	6	10	4	1046	175	1050
	4/1/2017	12/1/2017	Bin Truck (Misc deliveries)	4	8	3	697	175	700
Interiors	12/1/2017	12/31/2018	Bin Truck / Van Deliveries	16	24	8	4514	282	4512
	12/1/2017	12/31/2018	Flatbed / Trailer Deliveries	8	12	4	2257	282	2256
	12/1/2017	12/31/2018	Rubbish carting Trucks	1	2	1	282	282	282
Bleeker School									
Demolition	9/1/2018	11/1/2018	Rat-Bed Truck (Misc Deliveries)	1	3	2	44	44	44
	9/1/2018	11/1/2018	Utility / Fuel deliveries	1	1	1	44	44	44
	9/1/2018	11/1/2018	20 yard Dump Trucks	2	6	4	87	44	88
	9/1/2018	11/1/2018	Rubbish Carting Trucks	0.5	1	1	22	44	22
Excavation & Foundations	10/1/2018	10/1/2019	Dump Truck (20 cy)	4	24	5	5864	239	5975
	11/1/2018	10/1/2019	Concrete Truck (11 yd)	2	30	4	477	239	478
	11/1/2018	10/1/2019	Concrete Pump Truck (1)	0.25	1	1	60	239	59.75
	11/1/2018	10/1/2019	Rat-Bed Truck (Misc Deliveries)	2	5	2	477	239	478
	11/1/2018	10/1/2019	Utility / Fuel deliveries	1	2	1	239	239	239
Superstructure/ Envelope	12/1/2018	7/1/2020	Concrete Pump Truck	0.6	1	1	153	153	153
	12/1/2018	7/1/2020	Concrete Truck 11 yds	2.5	25	5	380	153	382.5
	10/1/2019	7/1/2020	Rubbish Carting Trucks	1	2	1	196	197	197
	10/1/2019	5/1/2020	Steel Delivery Trucks	4	7	5	609	154	616
	10/1/2019	7/1/2020	Flatbed Deliveries	6	12	3	1174	197	1182
	10/1/2019	7/1/2020	Utility / Fuel Deliveries	1	1	1	196	197	197
	10/1/2019	7/1/2020	Bin Truck Deliveries	3	6	4	609	154	616
Envelope	4/1/2020	11/1/2020	Curtainwall Panel Delivery Truck	5	40	4	928	120	930
	4/1/2020	11/1/2020	Bin Truck (Misc deliveries)	2	5	3	239	119	238
Interiors	9/1/2020	12/31/2021	Bin Truck / Van Deliveries	12	16	4	4188	349	4188
	9/1/2020	12/31/2021	Flatbed / Trailer Deliveries	4	6	2	1398	349	1396
	9/1/2020	12/31/2021	Rubbish carting Trucks	1	3	1	347	349	348
Parking Garage									
Demolition of Temp Gym	10/1/21	12/31/21	Rat-Bed Truck (Misc Deliveries)	1	4	2	65	66	66
	10/1/21	12/31/21	Utility / Fuel deliveries	1	1	1	65	66	66
	10/1/21	12/31/21	20 yard Dump Trucks	2	6	3	130	66	132
	10/1/21	12/31/21	Rubbish Carting Trucks	0.5	2	1	33	66	33
General Trucks									

Total number of trucks per day
Percent trucks on extended shift
Number of trucks on extended shift

Max Monthly 93
Max Quarterly 84

Profile:
2013 4Q 16
2014 1Q 19, 2Q 18, 3Q 13, 4Q 13, 1Q 14, 2Q 43, 3Q 43, 4Q 43, 1Q 62, 2Q 84, 3Q 66, 4Q 58, 1Q 60
2015 2Q 55, 3Q 38, 4Q 42, 1Q 35, 2Q 20, 3Q 35, 4Q 37, 1Q 57, 2Q 40, 3Q 40, 4Q 40, 1Q 28, 2Q 30
2016 3Q 29, 4Q 21, 1Q 29, 2Q 27, 3Q 27, 4Q 27, 1Q 32
2017 2Q 32

Max 93
Average 37

NYU Core - Phase 1 Workforce Projections (Average Number of Workers per Day)

| | 2013 | | | 2014 | | | | | | | | | | | | 2015 | | | | | | | | | | | | 2016 | | | | | | | | | | | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | |
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NYU Core Phase 2 Truck Projection

Average Delivery Trucks per Day

Work Task	Start Date	End Date	Truck Type	Average Trucks per Day	Peak Trucks per Day	Peak Trucks per Hour	Total Deliveries for Period	Cloud9
Excavation / Foundation	2/1/22	10/12/22	Dump truck (20 yard)	25	25	5	4101	108035
	6/1/22	1/31/23	Concrete Truck (11 yd)	2	30	4	436	872
	4/1/22	1/31/23	Concrete Pump Truck (1)	0.25	1	1	54	13.5
	2/1/22	1/31/23	Flatbed Truck (Misc Deliveries)	2	4	2	432	1080
	1/3/22	1/31/23	Utility / Fuel Deliveries	1	1	1	165	165
Superstructure	3/1/23	7/1/23	Concrete Pump Truck	0.2	1	1	17	3.4
(concrete precast)	3/1/23	7/1/23	Concrete Truck 11 yds	2.5	35	5	327	817.5
	3/1/23	7/1/23	Rubbish Carting Trucks	0.3	1	1	22	6.6
	2/1/23	6/1/23	Precast Delivery Trucks	2	8	5	171	342
	3/1/23	7/1/23	Steel Delivery Trucks	2	8	5	207	414
	2/1/23	7/1/23	Utility / Fuel Deliveries	1	1	1	107	107
	2/1/23	7/1/23	Box Truck Deliveries	4	8	2	428	1712
Interiors	7/1/23	9/30/23	Box Truck / Van Deliveries	9	12	5	876	6982
	7/1/23	9/30/23	Flatbed / Trailer Deliveries	4	8	2	437	1749
	7/1/23	9/30/23	Rubbish Carting Trucks	1	2	1	109	109
40 Water Event Space								
Excavation/Foundation	11/1/23	5/1/25	Dump truck (20 yard)	18	20	5	7192	126349
	11/1/23	5/1/25	Concrete Truck (11 yd)	2.5	35	5	573	1432.5
	4/1/24	9/30/25	Concrete Pump Truck (1)	0.2	1	1	78	15.6
	10/1/23	9/30/25	Flatbed Truck (Misc Deliveries)	3	5	2	1564	4692
	11/1/23	9/30/25	Utility / Fuel Deliveries	1	1	1	544	544
Superstructure	7/1/25	12/31/25	Concrete Pump Truck	0.3	1	1	34	10.2
	7/1/25	12/31/25	Concrete Truck 11 yds	2.5	35	5	327	817.5
	4/1/25	12/31/25	Rubbish Carting Trucks	1	2	1	219	219
	4/1/25	11/1/25	Steel Delivery Trucks	3	8	5	456	1377
	4/1/25	12/31/25	Precast Delivery Trucks	3	8	5	456	1377
	4/1/25	12/31/25	Utility / Fuel Deliveries	1	1	1	219	219
	4/1/25	12/31/25	Box Truck Deliveries	4	8	2	874	3885
Interiors	11/1/25	1/31/26	Box Truck / Van Deliveries	9	12	5	1748	13964
	11/1/25	12/31/26	Flatbed / Trailer Deliveries	4	8	2	437	1748
	11/1/25	12/31/26	Rubbish carting Trucks	1	2	1	109	109
Above Building								
Superstructure	5/1/26	2/1/27	Concrete Pump Truck	0.2	1	1	53	10.6
	6/1/26	2/1/27	Concrete Truck 11 yds	2	25	5	350	700
	4/1/26	1/1/27	Rubbish Carting Trucks	1	2	1	219	219
	4/1/26	1/1/27	Steel Delivery Trucks	4	8	5	611	2444
	4/1/26	2/1/27	Flatbed Deliveries	3	8	2	656	1968
	4/1/26	2/1/27	Utility / Fuel Deliveries	1	1	1	219	219
	4/1/26	2/1/27	Box Truck Deliveries	4	8	2	1311	5831
Envelope	11/1/26	4/30/27	Concrete Pump (Delivery Truck	0.5	1	1	109	54.5
	11/1/26	4/30/27	Box Truck / Misc deliveries	4	8	5	219	4956
Interiors	3/1/27	9/30/28	Box Truck / Van Deliveries	16	24	4	8317	105832
	3/1/27	9/30/28	Flatbed / Trailer Deliveries	4	8	2	1748	22240
	3/1/27	9/30/28	Rubbish carting Trucks	1	2	1	389	389
Landscaping	1/1/28	9/30/28	Box Truck / Van Deliveries	2	4	2	219	439
	1/1/28	9/30/28	Flatbed / Trailer Deliveries	2	4	2	219	439
	1/1/28	9/30/28	Dump truck (20 yard)	2	5	2	219	439
40 C Water Side								
Demolition	10/1/28	10/31/28	Flat-bed Truck (Misc Deliveries)	1	3	2	65	65
	10/1/28	10/31/28	Utility / Fuel Deliveries	1	1	1	65	65
	10/1/28	10/31/28	Box Truck / Van Deliveries	1	4	1	65	65
	10/1/28	10/31/28	Rubbish Carting Trucks	0.5	1	1	33	16.5
Excavation/Foundation	1/1/29	2/1/30	Dump truck (20 yard)	25	30	5	7171	179275
	1/1/29	2/1/30	Concrete Truck (11 yd)	2.5	35	5	573	1432.5
	4/1/29	3/31/30	Concrete Pump Truck (1)	0.25	1	1	78	19
	1/1/29	3/31/30	Flat-Bed Truck (Misc Deliveries)	2	4	2	648	1268
	1/1/29	3/31/30	Utility / Fuel Deliveries	1	1	1	544	544
Superstructure	3/1/30	5/30/30	Concrete Pump Truck	0.4	1	1	35	14
	3/1/30	6/30/30	Concrete Truck 11 yds	5	40	5	432	2160
	1/1/30	6/30/30	Rubbish Carting Trucks	1	2	1	439	439
	1/1/30	6/30/30	Steel Delivery Trucks	5	8	5	439	2145
	1/1/30	6/30/30	Flatbed Deliveries	3	8	2	656	1968
	1/1/30	6/30/30	Utility / Fuel Deliveries	1	1	1	219	219
	1/1/30	6/30/30	Box Truck Deliveries	4	8	2	874	3885
Interiors	7/1/30	8/31/31	Box Truck / Van Deliveries	9	16	5	1748	13964
	7/1/30	8/31/31	Flatbed / Trailer Deliveries	4	8	2	437	1749
	7/1/30	8/31/31	Rubbish carting Trucks	1	2	1	109	109
Lawrence Buildings								
Superstructure	9/1/30	12/1/30	Concrete Pump Truck	0.2	1	1	27	8.1
	9/1/30	12/1/30	Concrete Truck 11 yds	2	20	5	182	364
	7/1/30	10/1/30	Rubbish Carting Trucks	0.5	1	1	92	46
	7/1/30	10/1/30	Steel Delivery Trucks	4	8	5	368	1472
	7/1/30	12/1/30	Flatbed Deliveries	3	7	2	328	984
	7/1/30	12/1/30	Utility / Fuel Deliveries	1	1	1	109	109
Envelope	12/1/30	4/1/31	Concrete Pump (Delivery Truck	0.5	1	1	219	540
	12/1/30	4/1/31	Box Truck / Misc deliveries	4	8	5	175	3481
Interiors	2/1/31	12/31/31	Box Truck / Van Deliveries	8	16	4	1903	15214
	2/1/31	12/31/31	Flatbed / Trailer Deliveries	4	8	2	956	3824
	2/1/31	12/31/31	Rubbish carting Trucks	1	2	1	239	239
Interiors	5/1/31	9/30/31	Box Truck / Van Deliveries	2	4	2	219	439
	5/1/31	9/30/31	Flatbed / Trailer Deliveries	2	4	2	219	439
	5/1/31	9/30/31	Dump truck (20 yard)	2	5	2	219	439
General Trucks								

	2022												2023												2024											
	1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of trucks per day	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Earliest truck starts each day	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Latest trucks on extended shift	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Number of trucks on extended shift	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

	2025												2026												2027											
	1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of trucks per day	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Earliest truck starts each day	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Latest trucks on extended shift	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Number of trucks on extended shift	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

	2028												2029												2030											
	1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total number of trucks per day	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Earliest truck starts each day	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Latest trucks on extended shift	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Number of trucks on extended shift	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

	2031														
	1Q			2Q			3Q			4Q				Max	Avg
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan		
Total number of trucks per day	2	2	2	2	2	2	2	2	2	2	2	2	2	39	37
Earliest truck starts each day	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Latest trucks on extended shift	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Number of trucks on extended shift	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Max Monthly 1/1 a7

Max Quarterly 1/1 a7

Profile:

2022				2023				2024				2025				2026				2027				2028				2029				2030				2031			
1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
30	45	45	20	24	24	37	31	37	39	39	39	39	40	37	39	39	28	44	45	47	34	40	38	36	38	41	43	39	43	44	45	45	44	31	46	40	42	28	28	9	

NYU Core - Phase 2 Workforce Projections (Average Number of Workers per Day)

	2022												2023												2024											
	1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mercer Garage																																				
Excavation & Foundations	12	30	30	40	50	50	50	50	50	50	50	35	30																							
Superstructure/ Envelope														40	50	60	50	10																		
Interior Finishes																			25	40	25															
Mercer Building Below Grade																						20	30	40	60	60	60	60	60	60	60	60	60	60	60	60
Excavation & Foundations																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Mercer Building																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Laguardia Building Below Grade																																				
Demolition																																				
Excavation & Foundations																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Laguardia Building																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Total number of workers per day	12	30	30	40	50	50	50	50	50	50	50	35	20	40	50	60	50	10	25	40	25	20	30	40	60	60	60	60	60	60	60	60	60	60	60	60
Average daily workers per quarter			24			47			50			45			37			40			30			30			60			60			60			60
Percent workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Number of workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	2025												2026												2027											
	1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mercer Garage																																				
Excavation & Foundations	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Superstructure/ Envelope																																				
Interior Finishes																																				
Mercer Building Below Grade													45	70	90	100	100	150	150	150	100	75	50	25												
Excavation & Foundations	60	60	60	60	60	60	60	60	60	60	60	60																								
Superstructure/ Envelope																																				
Interior Finishes																																				
Mercer Building																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Laguardia Building Below Grade																																				
Demolition																																				
Excavation & Foundations																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Laguardia Building																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Total number of workers per day	60	60	60	100	120	135	150	135	120	90	90	45	45	70	90	125	170	250	280	300	280	275	250	225	200	150	160	175	150	200	250	250	250	275	275	300
Average daily workers per quarter			60			118			75			68			182			287			250			170			175			250			283		
Percent workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Number of workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	2027												2028												2029											
	1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mercer Garage																																				
Excavation & Foundations																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Mercer Building Below Grade																																				
Excavation & Foundations																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Mercer Building																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Laguardia Building Below Grade																																				
Demolition													20	40	25																					
Excavation & Foundations																									20	30	40	60	60	60	60	60	60	60	60	60
Superstructure/ Envelope																																				
Interior Finishes																																				
Laguardia Building																																				
Superstructure/ Envelope																																				
Interior Finishes																																				
Total number of workers per day	300	325	325	300	250	200	100	75	25	20	40	25	20	30	40	60	60	60	60	60	60	60	60	60	90	95	105	100	100	50	70	120	170	215	225	200
Average daily workers per quarter		317			250			67			28			30			60			60			60			97			83			120			213	
Percent workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Number of workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	2030												2031													
	1Q			2Q			3Q			4Q			1Q			2Q			3Q			4Q				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Mercer Garage																										
Excavation & Foundations																										
Superstructure/ Envelope																										
Interior Finishes																										
Mercer Building Below Grade																										
Excavation & Foundations																										
Superstructure/ Envelope																										
Interior Finishes																										
Mercer Building																										
Superstructure/ Envelope																										
Interior Finishes																										
Laguardia Building Below Grade																										
Demolition																										
Excavation & Foundations																										
Superstructure/ Envelope																										
Interior Finishes																										
Laguardia Building																										
Superstructure/ Envelope																										
Interior Finishes																										
Total number of workers per day	90	95	105	100	100	50	70	120	170	215	225	200	200	180	175	150	200	250	250	300	300	250	200	75	Max	Avg
Average daily workers per quarter		97			83			120			213			185			200			283			158	325	120
Percent workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	317	
Number of workers on extended shift	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

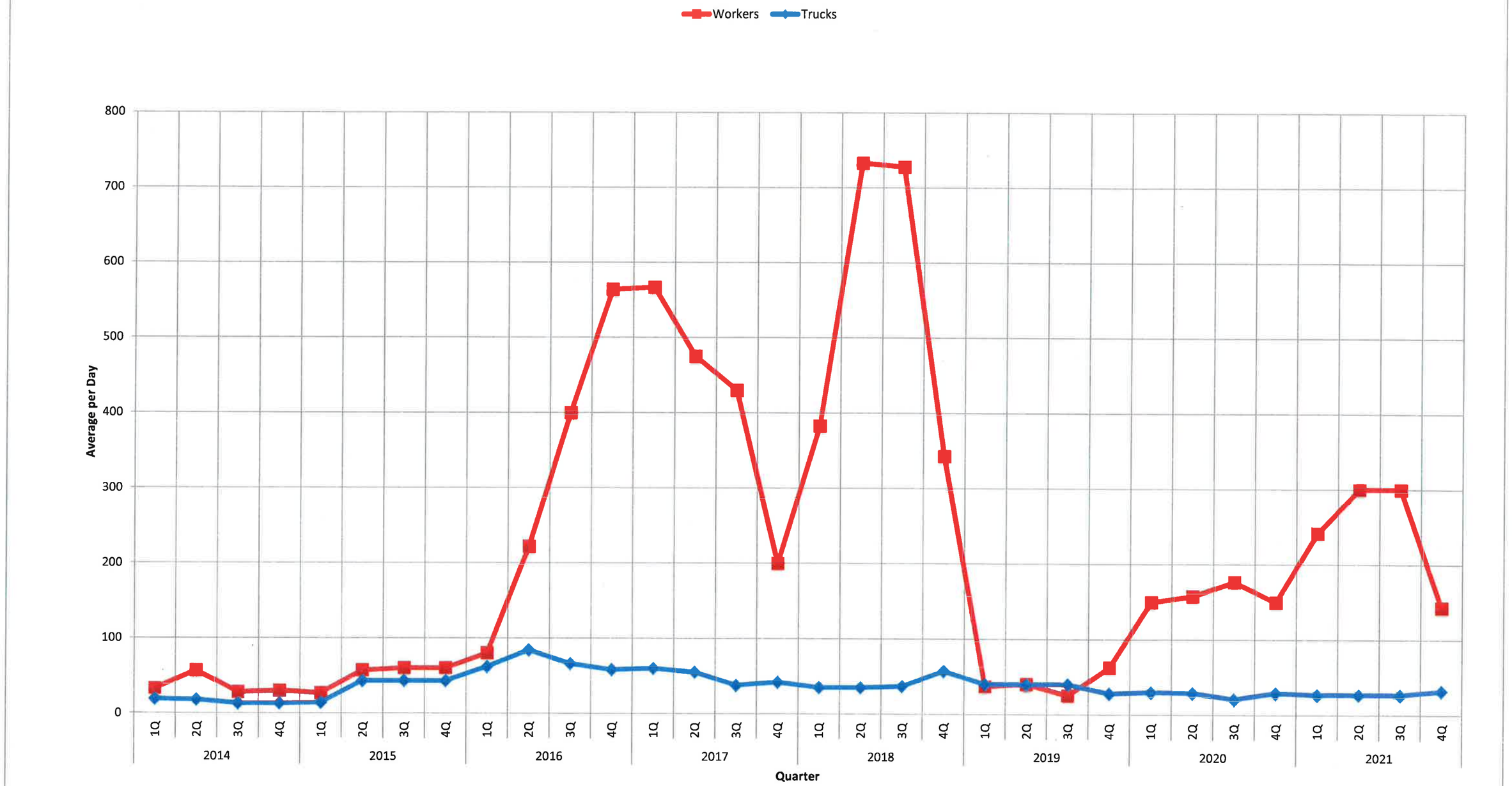
Max Monthly 325
Max Quarterly 317

demolition
Excavation & foundations
Superstructure & envelope
Interior finishes

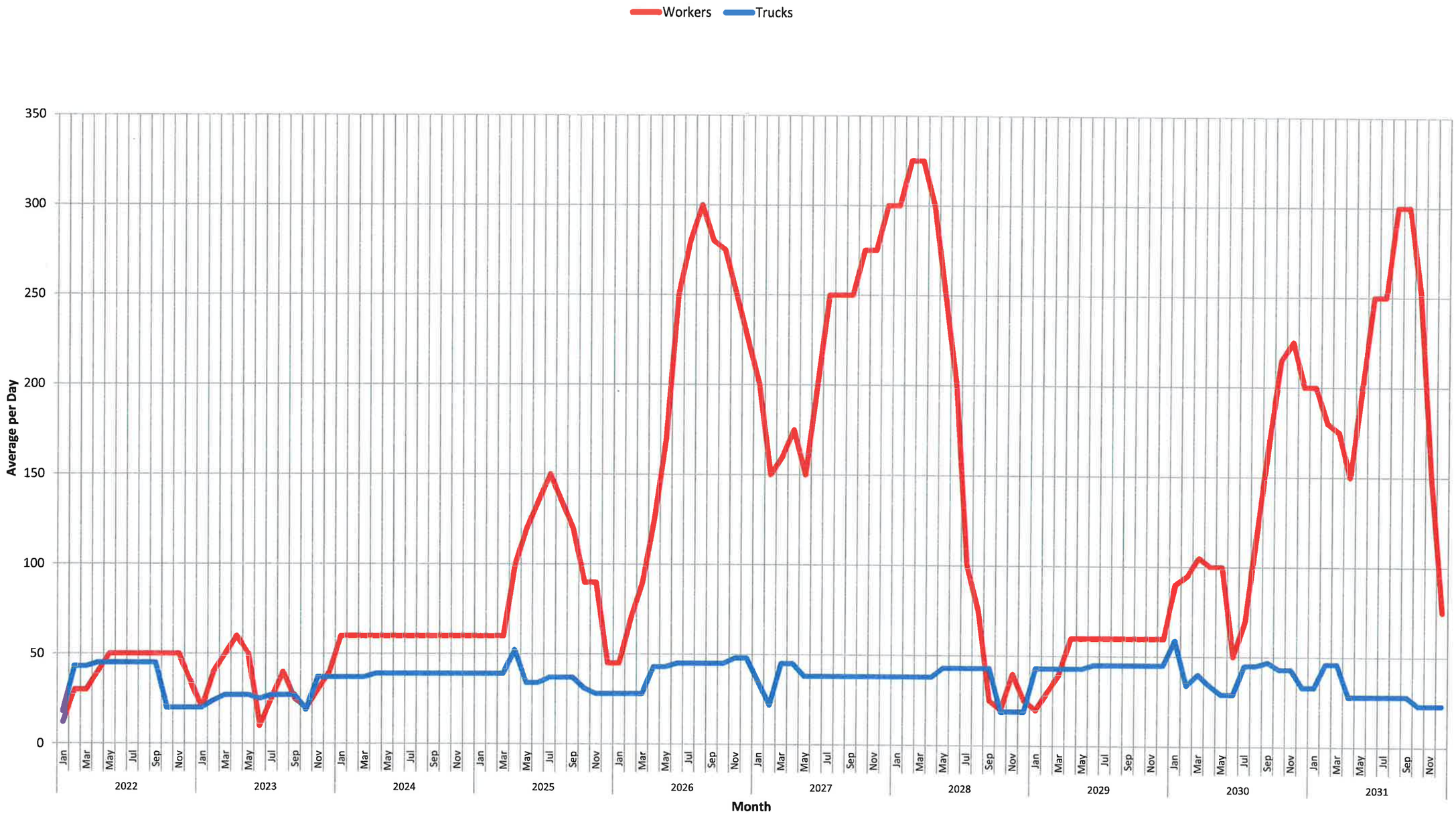
	2022				2023				2024				2025				2026				2027				2028				2029				2030				2031			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
	24	47	50	45	37	40	30	30	60	60	60	60	60	118	135	75	68	182	287	250	170	175	250	283	317	250	67	28	30	60	60	60	97	83	120	213	185	200	283	158

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1	2	3	4	5	6	7	8	9	10	11	12

NYU Core 2031 Phase 1 Quarterly Worker and Truck Projections



NYU Core 2031 Phase 2 Monthly Worker and Truck Projections



Appendix E-2 **Construction Traffic**

Table 1

Construction Phase 1 (Weekday)-Level 1 Screening

Vehicle PCE Trips (Auto + Truck)																																			
				2013	2014				2015				2016				2017				2018				2019				2020				2021			
				4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Time			In / Out																																
07:00 AM	-	08:00 AM	Total	18	24	26	15	15	19	50	51	51	73	109	113	124	124	110	89	67	79	119	119	95	44	45	43	35	49	46	40	45	55	62	62	48
08:00 AM	-	09:00 AM	Total	9	9	10	5	5	5	18	18	18	26	38	39	40	40	37	28	22	27	37	37	34	17	17	17	14	16	16	13	16	19	21	21	16
09:00 AM	-	10:00 AM	Total	8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12
10:00 AM	-	11:00 AM	Total	8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12
11:00 AM	-	12:00 PM	Total	8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12
12:00 PM	-	01:00 PM	Total	8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12
01:00 PM	-	02:00 PM	Total	8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12
02:00 PM	-	03:00 PM	Total	4	4	4	4	4	4	8	8	8	12	16	12	12	12	12	8	8	8	8	8	12	8	8	8	4	8	4	4	4	4	4	4	8
03:00 PM	-	04:00 PM	Total	4	4	4	4	4	4	8	8	8	13	18	15	16	16	15	11	9	11	13	13	14	8	8	8	4	9	5	5	5	6	6	6	9
04:00 PM	-	05:00 PM	Total	6	8	10	7	7	7	14	15	15	21	41	57	76	76	66	57	31	51	91	91	51	12	13	11	11	25	22	24	21	31	38	38	24
05:00 PM	-	06:00 PM	Total	0	1	1	1	1	1	1	1	1	2	5	9	12	12	10	9	4	8	16	15	7	1	1	1	1	3	3	4	3	5	6	6	3
			Daily Total	81	90	95	56	56	60	179	181	181	267	387	385	400	400	370	282	221	264	364	363	333	170	172	168	129	170	156	130	154	180	197	197	168

Auto	28.9%
Auto Occupancy	2.04

Table 2

Construction Phase 1 -Weekday Hourly Total Auto Trip Projection

Auto Trips					Regular Shift																																	
			Regular Shift		2013	2014				2015				2016				2017				2018				2019				2020				2021			
			Workers		4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Time			Temporal	Projection-->	20	33	57	28	30	27	57	60	60	80	222	400	564	567	475	430	200	383	733	728	343	37	40	25	63	150	158	177	150	242	300	300	143
06:00 AM	07:00 AM	In	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00 AM	08:00 AM	In	100%		2	4	6	3	3	3	6	7	7	9	25	45	64	64	54	49	23	43	83	83	39	4	5	3	7	17	18	20	17	27	34	34	16
		Out	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		2	4	6	3	3	3	6	7	7	9	25	45	64	64	54	49	23	43	83	83	39	4	5	3	7	17	18	20	17	27	34	34	16
08:00 AM	09:00 AM	In	100%		1	1	2	1	1	1	2	2	2	2	6	11	16	16	13	12	6	11	21	21	10	1	1	1	2	4	4	5	4	7	9	9	4
		Out	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		1	1	2	1	1	1	2	2	2	2	6	11	16	16	13	12	6	11	21	21	10	1	1	1	2	4	4	5	4	7	9	9	4
09:00 AM	10:00 AM	In	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	11:00 AM	In	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	12:00 PM	In	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	01:00 PM	In	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00 PM	02:00 PM	In	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 PM	03:00 PM	In	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	50%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	100%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 PM	04:00 PM	In	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	100%		0	0	0	0	0	0	0	0	0	1	2	3	4	4	3	3	1	3	5	5	2	0	0	0	0	1	1	1	1	2	2	2	1
		Total	100%		0	0	0	0	0	0	0	0	0	1	2	3	4	4	3	3	1	3	5	5	2	0	0	0	0	1	1	1	1	2	2	2	1
04:00 PM	05:00 PM	In	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	100%		2	4	6	3	3	3	6	7	7	9	25	45	64	64	54	49	23	43	83	83	39	4	5	3	7	17	18	20	17	27	34	34	16
		Total	100%		2	4	6	3	3	3	6	7	7	9	25	45	64	64	54	49	23	43	83	83	39	4	5	3	7	17	18	20	17	27	34	34	16
05:00 PM	06:00 PM	In	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Out	100%		0	1	1	1	1	1	1	1	1	2	5	9	12	12	10	9	4	8	16	15	7	1	1	1	1	3	3	4	3	5	6	6	3
		Total	100%		0	1	1	1	1	1	1	1	1	2	5	9	12	12	10	9	4	8	16	15	7	1	1	1	1	3	3	4	3	5	6	6	3
		In			3	5	8	4	4	4	8	9	9	11	31	56	80	80	67	61	29	54	104	104	49	5	6	4	9	21	22	25	21	34	43	43	20
		Out			2	5	7	4	4	4	7	8	8	12	32	57	80	80	67	61	28	54	104	103	48	5	6	4	8	21	22	25	21	34	42	42	20
		Total			5	10	15	8	8	8	15	17	17	23	63	113	160	160	134	122	57	108	208	207	97	10	12	8	17	42	44	50	42	68	85	85	40

Table 3

Construction Phase 1 -Weekday Hourly Truck Trip Projection

Truck Trips				Regular Shift																																	
		Regular Shift		2013	2014				2015				2016				2017				2018				2019				2020				2021			
		Trucks		4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Time		Temporal	Ph-1 Truck Projection-->	16	19	18	13	13	14	43	43	43	62	84	66	58	60	55	38	42	35	35	37	57	40	40	40	28	30	29	21	29	27	27	27	32
			In 100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00 AM	07:00 AM	0%	Out 100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			In 100%	4	5	5	3	3	4	11	11	11	16	21	17	15	15	14	10	11	9	9	9	14	10	10	10	7	8	7	5	7	7	7	7	8
07:00 AM	08:00 AM	25%	Out 100%	4	5	5	3	3	4	11	11	11	16	21	17	15	15	14	10	11	9	9	9	14	10	10	10	7	8	7	5	7	7	7	7	8
			Total	8	10	10	6	6	8	22	22	22	32	42	34	30	30	28	20	22	18	18	18	28	20	20	20	14	16	14	10	14	14	14	14	16
			In 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
08:00 AM	09:00 AM	10%	Out 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
			Total	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6
			In 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
09:00 AM	10:00 AM	10%	Out 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
			Total	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6
			In 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
10:00 AM	11:00 AM	10%	Out 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
			Total	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6
			In 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
11:00 AM	12:00 PM	10%	Out 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
			Total	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6
			In 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
12:00 PM	01:00 PM	10%	Out 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
			Total	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6
			In 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
01:00 PM	02:00 PM	10%	Out 100%	2	2	2	1	1	1	4	4	4	6	8	7	6	6	6	4	4	4	4	4	6	4	4	4	3	3	3	2	3	3	3	3	3
			Total	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6
			In 100%	1	1	1	1	1	1	2	2	2	3	4	3	3	3	3	2	2	2	2	2	3	2	2	2	1	2	1	1	1	1	1	1	2
02:00 PM	03:00 PM	5%	Out 100%	1	1	1	1	1	1	2	2	2	3	4	3	3	3	3	2	2	2	2	2	3	2	2	2	1	2	1	1	1	1	1	1	2
			Total	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4
			In 100%	1	1	1	1	1	1	2	2	2	3	4	3	3	3	3	2	2	2	2	2	3	2	2	2	1	2	1	1	1	1	1	1	2
03:00 PM	04:00 PM	5%	Out 100%	1	1	1	1	1	1	2	2	2	3	4	3	3	3	3	2	2	2	2	2	3	2	2	2	1	2	1	1	1	1	1	1	2
			Total	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4
			In 100%	1	1	1	1	1	1	2	2	2	3	4	3	3	3	3	2	2	2	2	2	3	2	2	2	1	2	1	1	1	1	1	1	2
04:00 PM	05:00 PM	5%	Out 100%	1	1	1	1	1	1	2	2	2	3	4	3	3	3	3	2	2	2	2	2	3	2	2	2	1	2	1	1	1	1	1	1	2
			Total	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4
			In 100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	06:00 PM	0%	Out 100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total			In	19	20	20	12	12	13	41	41	41	61	81	68	60	60	59	40	41	39	39	39	59	40	40	40	28	32	28	20	28	28	28	28	32
			Out	19	20	20	12	12	13	41	41	41	61	81	68	60	60	59	40	41	39	39	39	59	40	40	40	28	32	28	20	28	28	28	28	32
			Total	38	40	40	24	24	26	82	82	82	122	162	136	120	120	118	80	82	78	78	78	118	80	80	80	56	64	56	40	56	56	56	56	64

Table 3A

Construction Phase 1 -Weekday Hourly Truck Trip Projection (PCE)

PCE 2.00

Truck PCE Trips					Regular Shift																																			
		Regular Shift			2013	2014				2015				2016				2017				2018				2019				2020				2021			
		Trucks			4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Time		Temporal	In / Out																																					
			In	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00 AM	07:00 AM	0%	Out	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			In	100%	8	10	10	6	6	8	22	22	22	32	42	34	30	30	28	20	22	18	18	18	28	20	20	20	14	16	14	10	14	14	14	14	16			
07:00 AM	08:00 AM	25%	Out	100%	8	10	10	6	6	8	22	22	22	32	42	34	30	30	28	20	22	18	18	18	28	20	20	20	14	16	14	10	14	14	14	14	16			
			Total		16	20	20	12	12	16	44	44	44	64	84	68	60	60	56	40	44	36	36	36	56	40	40	40	28	32	28	20	28	28	28	28	32			
			In	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
08:00 AM	09:00 AM	10%	Out	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
			Total		8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12			
			In	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
09:00 AM	10:00 AM	10%	Out	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
			Total		8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12			
			In	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
10:00 AM	11:00 AM	10%	Out	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
			Total		8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12			
			In	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
11:00 AM	12:00 PM	10%	Out	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
			Total		8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12			
			In	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
12:00 PM	01:00 PM	10%	Out	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
			Total		8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12			
			In	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
01:00 PM	02:00 PM	10%	Out	100%	4	4	4	2	2	2	8	8	8	12	16	14	12	12	12	8	8	8	8	8	12	8	8	8	6	6	6	4	6	6	6	6	6			
			Total		8	8	8	4	4	4	16	16	16	24	32	28	24	24	24	16	16	16	16	16	24	16	16	16	12	12	12	8	12	12	12	12	12			
			In	100%	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4			
02:00 PM	03:00 PM	5%	Out	100%	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4			
			Total		4	4	4	4	4	4	8	8	8	12	16	12	12	12	12	8	8	8	8	8	12	8	8	8	4	8	4	4	4	4	4	4	8			
			In	100%	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4			
03:00 PM	04:00 PM	5%	Out	100%	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4			
			Total		4	4	4	4	4	4	8	8	8	12	16	12	12	12	12	8	8	8	8	8	12	8	8	8	4	8	4	4	4	4	4	4	8			
			In	100%	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4			
04:00 PM	05:00 PM	5%	Out	100%	2	2	2	2	2	2	4	4	4	6	8	6	6	6	6	4	4	4	4	4	6	4	4	4	2	4	2	2	2	2	2	2	4			
			Total		4	4	4	4	4	4	8	8	8	12	16	12	12	12	12	8	8	8	8	8	12	8	8	8	4	8	4	4	4	4	4	4	8			
			In	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
05:00 PM	06:00 PM	0%	Out	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
			Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total			In		38	40	40	24	24	26	82	82	82	122	162	136	120	120	118	80	82	78	78	78	118	80	80	80	56	64	56	40	56	56	56	56	64			
			Out		38	40	40	24	24	26	82	82	82	122	162	136	120	120	118	80	82	78	78	78	118	80	80	80	56	64	56	40	56	56	56	56	64			
			Total		76	80	80	48	48	52	164	164	164	244	324	272	240	240	236	160	164	156	156	156	236	160	160	160	112	128	112	80	112	112	112	112	128			

Table 4

Construction Phase 2 (Weekday)- Vehicle Trips Level 1 Screening

| Vehicle PCE Trips (Auto + Truck) | | |

WeekdayPhase 2 Construction Auto Trips

Auto	28.9%
Auto Occupancy	2.04

Table 5
Construction Phase 2 -Weekday Hourly Auto Trip Projection

| Auto Trips | | | | Regular Shift | | | |

Weekday Phase 2-Construction Truck Trips

Table 6

Construction Phase 2 -Weekday Hourly Truck Trip Projection

| Truck Trips | | | | Regular Shift | | | |

Table 6A

Construction Phase 2 -Weekday Hourly Truck Trip Projection(PCE)

PCE 2.00

Truck PCE Trips				Regular Shift																																					
				Regular Shift		2022				2023				2024				2025				2026				2027				2028				2029				2030				2031			
				Trucks		1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Time			Temporal	In / Out																																							
07:00 AM	-	08:00 AM	25%	In	100%	18	22	22	10	12	14	14	16	18	20	20	20	20	20	18	14	14	22	22	24	18	20	20	20	20	20	22	10	22	22	22	22	22	16	24	20	22	14	14	0
				Out	100%	18	22	22	10	12	14	14	16	18	20	20	20	20	20	18	14	14	22	22	24	18	20	20	20	20	20	22	10	22	22	22	22	22	16	24	20	22	14	14	0
				Total		36	44	44	20	24	28	28	32	36	40	40	40	40	40	36	28	28	44	44	48	36	40	40	40	40	40	44	20	44	44	44	44	44	32	48	40	44	28	28	0
				In	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
08:00 AM	-	09:00 AM	10%	Out	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
				Total		16	20	20	8	8	12	12	12	16	16	16	16	16	16	16	12	12	16	20	20	12	16	16	16	16	16	16	8	16	16	20	20	16	12	20	16	16	12	12	0
				In	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
09:00 AM	-	10:00 AM	10%	Out	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
				Total		16	20	20	8	8	12	12	12	16	16	16	16	16	16	16	12	12	16	20	20	12	16	16	16	16	16	16	8	16	16	20	20	16	12	20	16	16	12	12	0
				In	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
10:00 AM	-	11:00 AM	10%	Out	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
				Total		16	20	20	8	8	12	12	12	16	16	16	16	16	16	16	12	12	16	20	20	12	16	16	16	16	16	16	8	16	16	20	20	16	12	20	16	16	12	12	0
				In	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
11:00 AM	-	12:00 PM	10%	Out	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
				Total		16	20	20	8	8	12	12	12	16	16	16	16	16	16	16	12	12	16	20	20	12	16	16	16	16	16	16	8	16	16	20	20	16	12	20	16	16	12	12	0
				In	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
12:00 PM	-	01:00 PM	10%	Out	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
				Total		16	20	20	8	8	12	12	12	16	16	16	16	16	16	16	12	12	16	20	20	12	16	16	16	16	16	16	8	16	16	20	20	16	12	20	16	16	12	12	0
				In	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
01:00 PM	-	02:00 PM	10%	Out	100%	8	10	10	4	4	6	6	6	8	8	8	8	8	8	8	6	6	8	10	10	6	8	8	8	8	8	8	4	8	8	10	10	8	6	10	8	8	6	6	0
				Total		16	20	20	8	8	12	12	12	16	16	16	16	16	16	16	12	12	16	20	20	12	16	16	16	16	16	16	8	16	16	20	20	16	12	20	16	16	12	12	0
				In	100%	4	4	4	2	2	2	2	4	4	4	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	2	2	0
02:00 PM	-	03:00 PM	5%	Out	100%	4	4	4	2	2	2	2	4	4	4	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	2	2	0
				Total		8	8	8	4	4	4	4	8	8	8	8	8	8	8	8	4	4	8	8	8	8	8	8	8	8	8	8	4	8	8	8	8	8	8	8	8	8	4	4	0
				In	100%	4	4	4	2	2	2	2	4	4	4	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	2	2	0
03:00 PM	-	04:00 PM	5%	Out	100%	4	4	4	2	2	2	2	4	4	4	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	2	2	0
				Total		8	8	8	4	4	4	4	8	8	8	8	8	8	8	8	4	4	8	8	8	8	8	8	8	8	8	8	4	8	8	8	8	8	8	8	8	8	4	4	0
				In	100%	4	4	4	2	2	2	2	4	4	4	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	2	2	0
04:00 PM	-	05:00 PM	5%	Out	100%	4	4	4	2	2	2	2	4	4	4	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	2	2	0
				Total		8	8	8	4	4	4	4	8	8	8	8	8	8	8	8	4	4	8	8	8	8	8	8	8	8	8	8	4	8	8	8	8	8	8	8	8	8	4	4	0
				In	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	-	06:00 PM	0%	Out	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total				In		78	94	94	40	42	56	56	64	78	80	80	80	80	80	78	56	56	82	94	96	66	80	80	80	80	80	82	40	82	82	94	94	82	64	96	80	82	56	56	0
				Out		78	94	94	40	42	56	56	64	78	80	80	80	80	80	78	56	56	82	94	96	66	80	80	80	80	80	82	40	82	82	94	94	82	64	96	80	82	56	56	0
				Total		156	188	188	80	84	112	112	128	156	160	160	160	160	160	156	112	112	164	188	192	132	160	160	160	160	160	164	80	164	164	188	188	164	128	192	160	164	112	112	0

Table 20-21
Construction Noise Analysis Results in dBA

Receptor Site	Receptor Height (in stories)	2013			2014			2015			2016			2017			2018		
		No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change
A4[1]	at-grade	58.5	62.1	3.6	58.5	58.5	0.0	58.6	58.6	0.0	58.6	58.8	0.2	58.7	59.0	0.3	58.7	58.8	0.1
	3	59.9	65.7	**5.8**	59.9	60.0	0.1	60.0	60.0	0.0	60.0	60.2	0.2	60.1	60.4	0.3	60.2	60.2	0.0
B3[2]	at-grade	58.5	63.8	**5.3**	58.5	58.6	0.1	58.6	58.7	0.1	58.6	59.4	0.8	58.7	59.5	0.8	58.7	59.0	0.3
	3	59.9	70.4	**10.5**	59.9	60.0	0.1	60.0	60.1	0.1	60.0	60.7	0.7	60.1	60.8	0.7	60.2	60.4	0.2
C2[3]	at-grade	66.6	66.6	0.0	66.6	66.8	0.2	66.7	67.3	0.6	66.7	68.3	1.6	66.8	68.0	1.2	66.8	67.0	0.2
	20	62.5	62.6	0.1	62.6	67.8	**5.2**	62.7	69.7	**7.0**	62.7	72.9	**10.2**	62.8	70.8	**8.0**	62.8	64.6	1.8
D2	at-grade	64.0	64.0	0.0	64.0	64.8	0.8	64.1	66.4	2.3	64.1	65.5	1.4	64.2	64.5	0.3	64.2	64.3	0.1
	20	64.1	64.1	0.0	64.1	67.3	**3.2**	64.2	70.6	**6.4**	64.2	68.8	**4.6**	64.3	66.0	1.7	64.3	64.5	0.2
D3	at-grade	68.5	68.5	0.0	68.5	68.6	0.1	68.6	69.1	0.5	68.6	69.1	0.5	68.7	68.7	0.0	68.7	68.7	0.0
	Top floor	63.0	63.0	0.0	63.0	64.0	1.0	63.1	67.3	**4.2**	63.1	66.8	**3.7**	63.2	63.7	0.5	63.2	63.3	0.1
E3	at-grade	63.5	63.5	0.0	63.5	63.5	0.0	63.6	63.6	0.0	63.6	63.7	0.1	63.7	63.7	0.0	63.7	64.9	1.2
	15	65.8	65.8	0.0	65.8	65.8	0.0	65.9	65.9	0.0	65.9	66.0	0.1	66.0	66.0	0.0	66.0	69.3	**3.3**
E4	at-grade	63.5	63.5	0.0	63.5	63.5	0.0	63.6	63.6	0.0	63.7	63.9	0.2	63.7	64.0	0.3	63.7	65.1	1.4
	5	68.9	68.9	0.0	68.9	68.9	0.0	69.0	69.0	0.0	69.0	69.2	0.2	69.1	69.3	0.2	69.1	73.4	**4.3**
F	at-grade	70.3	70.3	0.0	70.3	70.5	0.2	70.4	70.9	0.5	70.4	71.2	0.8	70.5	70.6	0.1	70.5	70.6	0.1
	top floor	69.8	69.8	0.0	69.8	71.2	1.4	69.9	73.2	3.3	69.9	73.3	**3.4**	70.0	70.4	0.4	70.0	70.1	0.1
G	at-grade	68.3	68.3	0.0	68.3	68.5	0.2	68.4	68.9	0.5	68.4	69.1	0.7	68.5	68.6	0.1	68.5	68.5	0.0
	top floor	68.5	68.5	0.0	68.5	69.3	0.8	68.6	70.3	1.7	68.6	70.8	2.2	68.7	69.0	0.3	68.7	68.7	0.0
H	at-grade	67.8	67.8	0.0	67.8	67.8	0.0	67.9	67.9	0.0	67.9	68.0	0.1	68.0	68.0	0.0	68.0	68.2	0.2
	top floor	70.7	70.7	0.0	70.7	70.8	0.1	70.8	70.9	0.1	70.8	71.1	0.3	70.9	70.9	0.0	70.9	71.1	0.2
I	at-grade	64.5	64.5	0.0	64.5	64.6	0.1	64.6	64.7	0.1	64.6	64.9	0.3	64.7	64.9	0.2	64.7	66.2	1.5
	top floor	62.6	62.6	0.0	62.6	62.8	0.2	62.7	63.0	0.3	62.7	63.7	1.0	62.8	63.6	0.8	62.8	72.3	**9.5**
J	at-grade	62.4	62.6	0.2	62.4	62.6	0.2	62.5	62.7	0.2	62.5	63.0	0.5	62.6	62.8	0.2	62.6	64.0	1.4
	top floor	60.0	61.2	1.2	60.0	60.7	0.7	60.1	60.9	0.8	60.1	62.4	2.3	60.2	62.1	1.9	60.2	68.2	**8.0**
K	at-grade	61.2	61.3	0.1	61.2	61.2	0.0	61.3	61.3	0.0	61.3	61.4	0.1	61.4	61.4	0.0	61.4	62.0	0.6
	top floor	59.1	60.8	1.7	59.1	59.2	0.1	59.2	59.2	0.0	59.2	60.1	0.9	59.3	60.4	1.1	59.3	61.3	2.0
L	at-grade	62.5	62.5	0.0	62.5	62.5	0.0	62.6	62.6	0.0	62.6	62.7	0.1	62.7	62.7	0.0	62.7	62.8	0.1
	top floor	56.5	56.5	0.0	56.5	56.5	0.0	56.6	56.6	0.0	56.6	56.8	0.2	56.7	56.8	0.1	56.7	56.8	0.1
M	at-grade	62.4	62.4	0.0	62.4	62.4	0.0	62.5	62.5	0.0	62.5	62.6	0.1	62.6	62.6	0.0	62.6	62.7	0.1
	top floor	56.2	56.3	0.1	56.2	56.2	0.0	56.3	56.3	0.0	56.3	56.5	0.2	56.4	56.6	0.2	56.4	56.5	0.1
N	at-grade	62.5	62.5	0.0	62.5	62.5	0.0	62.6	62.6	0.0	62.6	62.7	0.1	62.7	62.8	0.1	62.7	62.8	0.1
	top floor	56.1	56.6	0.5	56.1	56.2	0.1	56.2	56.3	0.1	56.2	56.7	0.5	56.3	56.9	0.6	56.3	56.5	0.2

Table 20-21
Construction Noise Analysis Results in dBA

Receptor Site	Receptor Height (in stories)	2013			2014			2015			2016			2017			2018		
		No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change
O	at-grade	64.4	66.1	1.7	64.4	64.6	0.2	64.5	64.8	0.3	64.5	65.7	1.2	64.6	66.0	1.4	64.6	65.0	0.4
	top floor	58.3	67.9	**9.6**	58.3	60.2	1.9	58.4	61.3	2.9	58.4	65.4	7.0	58.5	66.2	**7.7**	58.5	61.5	3.0
P	at-grade	62.9	66.0	**3.1**	62.9	63.5	0.6	63.0	64.1	1.1	63.0	67.4	**4.4**	63.1	68.1	**5.0**	63.1	64.6	1.5
	top floor	61.4	73.9	**12.5**	61.4	63.9	2.5	61.5	65.3	**3.8**	61.5	70.7	**9.2**	61.6	71.6	**10.0**	61.6	66.0	**4.4**
Q	at-grade	65.4	66.2	0.8	65.4	66.4	1.0	65.5	66.6	1.1	65.5	70.5	**5.0**	65.6	71.7	**6.1**	65.6	67.9	2.3
	top floor	63.4	67.0	**3.6**	63.4	70.6	**7.2**	63.5	70.5	**7.0**	63.5	80.3	**16.8**	63.6	81.6	**18.0**	63.6	74.7	**11.1**
R	at-grade	69.2	69.2	0.0	69.2	69.2	0.0	69.3	69.3	0.0	69.3	69.4	0.1	69.4	69.4	0.0	69.4	69.4	0.0
	top floor	67.7	67.8	0.1	67.7	67.7	0.0	67.8	67.8	0.0	67.8	67.9	0.1	67.9	68.0	0.1	67.9	68.0	0.1
S	at-grade	64.5	64.7	0.2	64.5	64.9	0.4	64.6	65.4	0.8	64.6	66.7	2.1	64.7	66.3	1.6	64.7	65.2	0.5
	top floor	63.5	63.9	0.4	63.5	65.0	1.5	63.6	66.2	2.6	63.6	68.2	**4.6**	63.7	68.4	**4.7**	63.7	65.4	1.7
T	at-grade	65.0	65.0	0.0	65.0	65.3	0.3	65.1	65.7	0.6	65.1	66.1	1.0	65.2	65.4	0.2	65.2	65.3	0.1
	top floor	65.2	65.2	0.0	65.2	65.7	0.5	65.3	66.2	0.9	65.3	66.8	1.5	65.4	65.8	0.4	65.4	65.5	0.1
U	at-grade	68.9	68.9	0.0	68.9	68.9	0.0	69.0	69.1	0.1	69.0	69.2	0.2	69.1	69.1	0.0	69.1	69.1	0.0
	top floor	69.1	69.1	0.0	69.1	69.2	0.1	69.2	69.3	0.1	69.2	69.6	0.4	69.3	69.3	0.0	69.3	69.5	0.2
V	at-grade	63.4	63.4	0.0	63.4	63.4	0.0	63.5	63.5	0.0	63.5	63.6	0.1	63.6	63.6	0.0	63.6	63.7	0.1
	top floor	60.4	60.4	0.0	60.4	60.7	0.3	60.5	60.8	0.3	60.5	62.5	2.0	60.6	62.3	1.7	60.6	61.6	1.0
W	at-grade	68.9	68.9	0.0	68.9	68.9	0.0	69.0	69.0	0.0	69.0	69.2	0.2	69.1	69.3	0.2	69.1	69.3	0.2
	top floor	66.0	66.0	0.0	66.0	66.1	0.1	66.1	66.2	0.1	66.1	66.9	0.8	66.2	66.9	0.7	66.2	67.2	1.0
X	at-grade	61.4	61.4	0.0	61.4	61.4	0.0	61.5	61.5	0.0	61.5	61.6	0.1	61.6	61.6	0.0	61.6	61.7	0.1
	top floor	57.7	57.8	0.1	57.7	57.8	0.1	57.8	58.0	0.2	57.8	58.5	0.7	57.9	58.6	0.7	57.9	58.2	0.3
Y	at-grade	66.3	66.3	0.0	66.3	66.3	0.0	66.4	66.4	0.0	66.4	66.4	0.0	66.5	66.5	0.0	66.5	66.6	0.1
	top floor	62.1	62.1	0.0	62.1	62.1	0.0	62.2	62.2	0.0	62.2	62.3	0.1	62.3	62.3	0.0	62.3	62.7	0.4
Z	at-grade	62.5	62.5	0.0	62.5	62.5	0.0	62.6	62.6	0.0	62.6	62.6	0.0	62.7	62.7	0.0	62.7	62.8	0.1
AA	at-grade	58.7	58.7	0.0	58.7	58.7	0.0	58.8	58.8	0.0	58.8	58.9	0.1	58.9	59.0	0.1	58.9	59.0	0.1
	top floor	51.0	51.2	0.2	51.0	51.1	0.1	51.1	51.2	0.1	51.1	51.7	0.6	51.2	53.2	2.0	51.2	51.4	0.2
BB	at-grade	64.5	65.3	0.8	64.5	64.6	0.1	64.6	64.7	0.1	64.6	65.2	0.6	64.7	65.4	0.7	64.7	64.9	0.2
	top floor	59.2	64.5	**5.3**	59.2	60.1	0.9	59.3	60.7	1.4	59.3	62.8	3.5	59.4	63.6	4.2	59.4	60.7	1.3
CC	at-grade	68.7	68.7	0.0	68.7	68.7	0.0	68.8	68.8	0.0	68.8	68.9	0.1	68.9	68.9	0.0	68.9	68.9	0.0
	top floor	67.0	67.0	0.0	67.0	67.0	0.0	67.1	67.1	0.0	67.1	67.3	0.2	67.2	67.3	0.1	67.2	67.3	0.1
DD	at-grade	70.6	70.6	0.0	70.6	70.6	0.0	70.7	70.7	0.0	70.7	70.8	0.1	70.8	70.8	0.0	70.8	70.8	0.0
	top floor	68.6	68.6	0.0	68.6	68.6	0.0	68.7	68.7	0.0	68.7	69.2	0.5	68.8	69.1	0.3	68.8	68.9	0.1
EE	at-grade	61.8	62.0	0.2	61.8	62.2	0.4	61.9	62.6	0.7	61.9	63.6	1.7	62.0	64.0	2.0	62.0	62.6	0.6
	top floor	55.6	57.6	2.0	55.6	59.4	3.8	55.7	61.9	**6.2**	55.7	64.6	**8.9**	55.8	65.5	**9.7**	55.8	60.4	4.6
FF	at-grade	60.3	60.3	0.0	60.3	60.4	0.1	60.4	60.8	0.4	60.4	61.4	1.0	60.5	61.1	0.6	60.5	60.7	0.2
	top floor	57.5	57.5	0.0	57.5	58.2	0.7	57.6	58.9	1.3	57.6	61.5	3.9	57.7	60.6	2.9	57.7	58.3	0.6
GG	at-grade	59.1	59.1	0.0	59.1	59.2	0.1	59.2	59.4	0.2	59.2	59.9	0.7	59.3	59.9	0.6	59.3	59.6	0.3
	top floor	54.6	54.7	0.1	54.6	54.8	0.2	54.7	55.2	0.5	54.7	57.5	2.8	54.8	56.1	1.3	54.8	55.2	0.4

Note: Locations where predicted noise levels exceed the CEQR impact criteria are shown in bold.
1. The highest predicted noise levels at Washington Square Village 1 & 2.
2. The highest predicted noise levels at Washington Square Village 3 & 4.
3. The highest predicted noise levels at Silver Tower II.

Table 20-21 (cont'd)
Construction Noise Analysis Results in dBA

Receptor Site	Receptor Height (in stories)	2019			2020			2021			2022			2023			2024		
		No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change
A4[1]	at-grade	58.8	58.8	0.0	58.8	58.9	0.1	58.9	62.3	3.4	59.0	63.0	4.0	59.0	59.8	0.8	59.1	63.3	4.2
	3	60.2	60.3	0.1	60.3	60.3	0.0	60.3	65.9	**5.6**	60.4	69.3	**8.9**	60.4	70.8	**10.4**	60.5	79.1	**18.6**
B3[2]	at-grade	58.8	58.9	0.1	58.8	59.1	0.3	58.9	63.3	**4.4**	59.0	62.8	**3.8**	59.0	60.1	1.1	59.1	61.2	2.1
	3	60.2	60.4	0.2	60.3	60.5	0.2	60.3	70.0	**9.7**	60.4	69.3	**8.9**	60.4	70.0	**9.6**	60.5	72.9	**12.4**
C2[3]	at-grade	66.9	66.9	0.0	66.9	67.0	0.1	67.0	67.0	0.0	67.1	67.1	0.0	67.1	67.1	0.0	67.2	67.2	0.0
	20	62.9	63.0	0.1	62.9	63.1	0.2	63.0	63.1	0.1	63.0	63.1	0.1	63.1	63.1	0.0	63.2	63.2	0.0
D2	at-grade	64.3	64.3	0.0	64.3	64.4	0.1	64.4	64.4	0.0	64.5	64.5	0.0	64.5	64.5	0.0	64.6	64.6	0.0
	20	64.4	64.5	0.1	64.4	64.6	0.2	64.5	64.5	0.0	64.6	64.6	0.0	64.6	64.6	0.0	64.7	64.7	0.0
D3	at-grade	68.8	68.6	0.0	68.8	68.9	0.1	68.9	68.9	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.1	69.1	0.0
	Top floor	63.3	63.4	0.1	63.3	63.5	0.2	63.4	63.4	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.6	63.6	0.0
E3	at-grade	63.8	66.0	2.2	63.8	65.6	1.8	63.9	64.8	0.9	64.0	64.0	0.0	64.0	64.0	0.0	64.1	64.1	0.0
	15	66.1	71.4	**5.3**	66.1	73.0	**6.9**	66.2	69.2	**3.0**	66.3	66.3	0.0	66.3	66.3	0.0	66.4	66.4	0.0
E4	at-grade	63.8	66.3	2.5	63.8	66.5	2.7	63.9	65.2	1.3	64.0	64.0	0.0	64.0	64.0	0.0	64.1	64.1	0.0
	5	69.2	75.7	**6.5**	69.2	75.9	**6.7**	69.3	71.6	2.3	69.4	69.4	0.0	69.4	69.4	0.0	69.5	69.6	0.1
F	at-grade	70.6	70.6	0.0	70.6	70.7	0.1	70.7	70.7	0.0	70.8	70.8	0.0	70.8	70.8	0.0	70.9	70.9	0.0
	top floor	70.1	70.2	0.1	70.1	70.2	0.1	70.2	70.2	0.0	70.3	70.3	0.0	70.3	70.3	0.0	70.4	70.4	0.0
G	at-grade	68.6	68.6	0.0	68.6	68.7	0.1	68.7	68.7	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.9	68.9	0.0
	top floor	68.8	68.8	0.0	68.8	68.9	0.1	68.9	68.9	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.1	69.1	0.0
H	at-grade	68.1	68.4	0.3	68.1	68.6	0.5	68.2	68.2	0.0	68.3	68.3	0.0	68.3	68.3	0.0	68.4	68.4	0.0
	top floor	71.0	71.3	0.3	71.0	71.6	0.6	71.1	71.1	0.0	71.2	71.2	0.0	71.2	71.2	0.0	71.3	71.3	0.0
I	at-grade	64.8	67.4	2.6	64.8	68.8	**4.0**	64.9	65.6	0.7	65.0	65.0	0.0	65.0	65.0	0.0	65.1	65.1	0.0
	top floor	62.9	75.4	**12.5**	62.9	77.6	**14.7**	63.0	68.7	**5.7**	63.1	63.1	0.0	63.1	63.1	0.0	63.2	63.2	0.0
J	at-grade	62.7	65.4	2.7	62.7	66.5	**3.8**	62.8	63.8	1.0	62.9	63.4	0.5	62.9	63.1	0.2	63.0	63.3	0.3
	top floor	60.3	71.5	**11.2**	60.3	72.6	**12.3**	60.4	66.2	**5.8**	60.5	62.4	1.9	60.5	62.0	1.5	60.6	64.2	3.6
K	at-grade	61.5	62.6	1.1	61.5	63.4	1.9	61.6	61.7	0.1	61.7	61.8	0.1	61.7	61.8	0.1	61.8	62.1	0.3
	top floor	59.4	62.8	3.4	59.4	64.1	4.7	59.5	60.9	1.4	59.6	61.7	2.1	59.6	61.6	2.0	59.7	64.3	4.6
L	at-grade	62.8	62.8	0.0	62.8	62.9	0.1	62.9	62.9	0.0	63.0	63.0	0.0	63.0	63.0	0.0	63.1	63.1	0.0
	top floor	56.8	57.0	0.2	56.8	57.2	0.4	56.9	57.0	0.1	57.0	57.1	0.1	57.0	57.1	0.1	57.1	57.3	0.2
M	at-grade	62.7	62.7	0.0	62.7	62.8	0.1	62.8	62.8	0.0	62.9	62.9	0.0	62.9	62.9	0.0	63.0	63.1	0.1
	top floor	56.5	56.6	0.1	56.5	56.7	0.2	56.6	56.8	0.2	56.7	57.0	0.3	56.7	56.8	0.1	56.8	57.2	0.4
N	at-grade	62.8	62.8	0.0	62.8	62.9	0.1	62.9	63.0	0.1	63.0	63.4	0.4	63.0	63.0	0.0	63.1	63.2	0.1
	top floor	56.4	56.4	0.0	56.4	56.5	0.1	56.5	57.0	0.5	56.6	62.3	**5.7**	56.6	56.9	0.3	56.7	57.2	0.5
O	at-grade	64.7	64.7	0.0	64.7	64.8	0.1	64.8	66.2	1.4	64.9	66.8	1.9	64.9	65.4	0.5	65.0	65.7	0.7

	top floor	58.6	58.7	0.1	58.6	59.0	0.4	58.7	67.4	**8.7**	58.8	70.5	**11.7**	58.8	65.4	**6.6**	58.9	67.3	**8.4**
P	at-grade	63.2	63.2	0.0	63.2	63.3	0.1	63.3	65.3	2.0	63.4	65.8	2.4	63.4	64.3	0.9	63.5	64.9	1.4
	top floor	61.7	61.7	0.0	61.7	61.8	0.1	61.8	70.9	**9.1**	61.9	72.3	**10.4**	61.9	68.7	**6.8**	62.0	69.8	**7.8**
Q	at-grade	65.7	65.7	0.0	65.7	65.8	0.1	65.8	66.3	0.5	65.9	66.6	0.7	65.9	66.1	0.2	66.0	66.1	0.1
	top floor	63.7	63.7	0.0	63.7	63.8	0.1	63.8	66.0	2.2	63.9	66.9	**3.0**	63.9	64.9	1.0	64.0	64.8	0.8

Table 20-21 (cont'd)
Construction Noise Analysis Results in dBA

Receptor Site	Receptor Height (in stories)	2019			2020			2021			2022			2023			2024		
		No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change
R	at-grade	69.5	69.5	0.0	69.5	69.5	0.0	69.6	69.6	0.0	69.7	69.7	0.0	69.7	69.7	0.0	69.8	69.8	0.0
	top floor	68.0	68.0	0.0	68.0	68.1	0.1	68.1	68.1	0.0	68.2	68.2	0.0	68.2	68.2	0.0	68.3	68.3	0.0
S	at-grade	64.8	64.8	0.0	64.8	64.9	0.1	64.9	65.0	0.1	65.0	65.1	0.1	65.0	65.0	0.0	65.1	65.1	0.0
	top floor	63.8	63.9	0.1	63.8	64.0	0.2	63.9	64.1	0.2	64.0	64.2	0.2	64.0	64.1	0.1	64.1	64.1	0.0
T	at-grade	65.3	65.3	0.0	65.3	65.4	0.1	65.4	65.4	0.0	65.5	65.5	0.0	65.5	65.5	0.0	65.6	65.6	0.0
	top floor	65.5	65.5	0.0	65.5	65.6	0.1	65.6	65.6	0.0	65.7	65.7	0.0	65.7	65.7	0.0	65.8	65.8	0.0
U	at-grade	69.2	69.2	0.0	69.2	69.4	0.2	69.3	69.3	0.0	69.4	69.4	0.0	69.4	69.4	0.0	69.5	69.5	0.0
	top floor	69.4	69.8	0.4	69.4	70.1	0.7	69.5	69.5	0.0	69.6	69.6	0.0	69.6	69.6	0.0	69.7	69.7	0.0
V	at-grade	63.7	63.7	0.0	63.7	63.8	0.1	63.8	63.8	0.0	63.9	63.9	0.0	63.9	63.9	0.0	64.0	64.0	0.0
	top floor	60.7	62.1	1.4	60.7	64.2	3.5	60.8	61.1	0.3	60.9	60.9	0.0	60.9	61.0	0.1	61.0	61.3	0.3
W	at-grade	69.2	69.5	0.3	69.2	69.7	0.5	69.3	69.5	0.2	69.4	69.4	0.0	69.4	69.4	0.0	69.5	69.5	0.0
	top floor	66.3	67.7	1.4	66.3	68.7	2.4	66.4	67.5	1.1	66.5	66.5	0.0	66.5	66.5	0.0	66.6	66.6	0.0
X	at-grade	61.7	61.8	0.1	61.7	61.9	0.2	61.8	61.8	0.0	61.9	61.9	0.0	61.9	61.9	0.0	62.0	62.0	0.0
	top floor	58.0	58.1	0.1	58.0	60.1	2.1	58.1	58.3	0.2	58.2	58.4	0.2	58.2	58.3	0.1	58.3	58.5	0.2
Y	at-grade	66.6	66.7	0.1	66.6	66.9	0.3	66.7	66.7	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.9	66.9	0.0
	top floor	62.4	63.2	0.8	62.4	63.8	1.4	62.5	62.5	0.0	62.6	62.6	0.0	62.6	62.6	0.0	62.7	62.7	0.0
Z	at-grade	62.8	63.0	0.2	62.8	63.3	0.5	62.9	62.9	0.0	63.0	63.0	0.0	63.0	63.0	0.0	63.1	63.1	0.0
AA	at-grade	59.0	59.0	0.0	59.0	59.1	0.1	59.1	59.2	0.1	59.2	59.3	0.1	59.2	59.3	0.1	59.3	59.5	0.2
	top floor	51.3	51.4	0.1	51.3	51.6	0.3	51.4	51.6	0.2	51.5	52.0	0.5	51.5	51.6	0.1	51.6	52.0	0.4
BB	at-grade	64.8	64.8	0.0	64.8	64.9	0.1	64.9	65.3	0.4	65.0	65.8	0.8	65.0	65.2	0.2	65.1	65.2	0.1
	top floor	59.5	59.5	0.0	59.5	59.6	0.1	59.6	63.7	4.1	59.7	66.0	**6.3**	59.7	62.0	2.3	59.8	61.3	1.5
CC	at-grade	69.0	69.0	0.0	69.0	69.0	0.0	69.1	69.1	0.0	69.2	69.2	0.0	69.2	69.2	0.0	69.3	69.3	0.0
	top floor	67.3	67.3	0.0	67.3	67.4	0.1	67.4	67.4	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.6	67.6	0.0
DD	at-grade	70.9	70.9	0.0	70.9	70.9	0.0	71.0	71.0	0.0	71.1	71.1	0.0	71.1	71.1	0.0	71.2	71.2	0.0
	top floor	68.9	68.9	0.0	68.9	69.0	0.1	69.0	69.0	0.0	69.1	69.1	0.0	69.1	69.1	0.0	69.2	69.2	0.0
EE	at-grade	62.1	62.1	0.0	62.1	62.2	0.1	62.2	62.2	0.0	62.3	62.4	0.1	62.3	62.4	0.1	62.4	62.4	0.0
	top floor	55.9	56.0	0.1	55.9	56.3	0.4	56.0	56.5	0.5	56.1	57.3	1.2	56.1	56.6	0.5	56.2	56.4	0.2
FF	at-grade	60.6	60.6	0.0	60.6	60.7	0.1	60.7	60.7	0.0	60.8	60.8	0.0	60.8	60.8	0.0	60.9	60.9	0.0
	top floor	57.8	58.0	0.2	57.8	58.2	0.4	57.9	58.0	0.1	58.0	58.1	0.1	58.0	58.1	0.1	58.1	58.3	0.2
GG	at-grade	59.4	59.5	0.1	59.4	59.8	0.4	59.5	59.6	0.1	59.6	59.6	0.0	59.6	59.6	0.0	59.7	59.7	0.0
	top floor	54.9	55.8	0.9	54.9	56.9	2.0	55.0	55.7	0.7	55.1	55.4	0.3	55.1	55.2	0.1	55.2	55.9	0.7

Note: Locations where predicted noise levels exceed the CEQR impact criteria are shown in bold.
1. The highest predicted noise levels at Washington Square Village 1 & 2.
2. The highest predicted noise levels at Washington Square Village 3 & 4.
3. The highest predicted noise levels at Silver Tower II.

Table 20-21 (cont'd)
Construction Noise Analysis Results in dBA

Receptor Site	Receptor Height (in stories)	2025			2026			2027			2028			2029			2030			2031		
		No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change
A4[1]	at-grade	59.1	63.9	4.8	59.2	60.6	1.4	59.2	60.4	1.2	59.3	61.3	2.0	59.3	62.0	2.7	59.4	63.3	3.9	59.4	61.2	1.8
	3	60.5	80.7	**20.2**	60.6	73.1	**12.5**	60.7	71.9	**11.2**	60.7	63.8	3.1	60.8	64.6	3.8	60.8	66.4	**5.6**	60.8	63.8	3.0
B3[2]	at-grade	59.1	66.0	**6.9**	59.2	60.9	1.7	59.2	61.5	2.3	59.3	60.9	1.6	59.3	61.8	2.5	59.4	63.0	3.6	59.4	60.4	1.0
	3	60.5	81.5	**21.0**	60.6	71.7	**11.1**	60.7	72.0	**11.3**	60.7	62.8	2.1	60.8	63.8	3.0	60.8	65.4	**4.6**	60.8	62.2	1.4
C2[3]	at-grade	67.2	67.3	0.1	67.3	67.3	0.0	67.3	67.4	0.1	67.4	67.4	0.0	67.4	67.5	0.1	67.5	67.5	0.0	67.5	67.5	0.0
	20	63.2	63.4	0.2	63.3	63.4	0.1	63.3	63.4	0.1	63.4	63.4	0.0	63.4	63.5	0.1	63.5	63.5	0.0	63.5	63.5	0.0
D2	at-grade	64.6	64.7	0.1	64.7	64.7	0.0	64.7	64.8	0.1	64.8	64.8	0.0	64.8	64.9	0.1	64.9	65.0	0.1	64.9	64.9	0.0
	20	64.7	64.8	0.1	64.8	64.8	0.0	64.8	64.9	0.1	64.9	64.9	0.0	64.9	65.0	0.1	65.0	65.1	0.1	65.0	65.0	0.0
D3	at-grade	69.1	69.1	0.0	69.2	69.2	0.0	69.2	69.2	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.4	69.4	0.0	69.4	69.4	0.0
	Top floor	63.6	63.7	0.1	63.7	63.7	0.0	63.7	63.8	0.1	63.8	63.8	0.0	63.8	63.9	0.1	63.9	63.9	0.0	63.9	63.9	0.0
E3	at-grade	64.1	64.2	0.1	64.2	64.2	0.0	64.2	64.2	0.0	64.3	64.3	0.0	64.3	64.5	0.2	64.4	64.5	0.1	64.4	64.4	0.0
	15	66.4	66.5	0.1	66.5	66.5	0.0	66.5	66.5	0.0	66.6	66.6	0.0	66.6	66.8	0.2	66.7	66.8	0.1	66.7	66.7	0.0
E4	At-grade	64.1	64.2	0.1	64.2	64.2	0.0	64.2	64.3	0.1	64.3	64.3	0.0	64.3	64.4	0.1	64.4	64.5	0.1	64.4	64.4	0.0
	5	69.5	69.7	0.2	69.6	69.6	0.0	69.6	69.7	0.1	69.7	69.7	0.0	69.7	69.8	0.1	69.8	69.8	0.0	69.8	69.8	0.0
F	at-grade	70.9	70.9	0.0	71.0	71.0	0.0	71.0	71.0	0.0	71.1	71.1	0.0	71.1	71.2	0.1	71.2	71.2	0.0	71.2	71.2	0.0
	top floor	70.4	70.4	0.0	70.5	70.5	0.0	70.5	70.5	0.0	70.6	70.6	0.0	70.6	70.7	0.1	70.7	70.7	0.0	70.7	70.7	0.0
G	at-grade	68.9	68.9	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.1	69.1	0.0	69.1	69.1	0.0	69.2	69.2	0.0	69.2	69.2	0.0
	top floor	69.1	69.1	0.0	69.2	69.2	0.0	69.2	69.2	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.4	69.4	0.0	69.4	69.4	0.0
H	at-grade	68.4	68.4	0.0	68.5	68.5	0.0	68.5	68.5	0.0	68.6	68.6	0.0	68.6	68.8	0.2	68.7	68.9	0.2	68.7	68.8	0.1
	top floor	71.3	71.3	0.0	71.4	71.4	0.0	71.4	71.4	0.0	71.5	71.5	0.0	71.5	71.7	0.2	71.6	71.8	0.2	71.6	71.7	0.1
I	at-grade	65.1	65.1	0.0	65.2	65.2	0.0	65.2	65.2	0.0	65.3	65.7	0.4	65.3	65.7	0.4	65.4	66.7	1.3	65.4	66.1	0.7
	top floor	63.2	63.3	0.1	63.3	63.3	0.0	63.3	63.4	0.1	63.4	65.3	1.9	63.4	65.0	1.6	63.5	68.1	**4.6**	63.5	66.5	**3.0**
J	at-grade	63.0	64.3	1.3	63.1	63.7	0.6	63.1	63.4	0.3	63.2	64.6	1.4	63.2	64.9	1.7	63.3	67.7	**4.4**	63.3	65.6	2.3
	top floor	60.6	66.9	**6.3**	60.7	64.1	3.4	60.7	62.9	2.2	60.8	68.1	**7.3**	60.8	69.1	**8.3**	60.9	74.1	**13.2**	60.9	71.1	**10.2**
K	at-grade	61.8	62.6	0.8	61.9	62.4	0.5	61.9	62.2	0.3	62.0	64.7	2.7	62.0	64.7	2.7	62.1	68.3	**6.2**	62.1	66.0	**3.9**
	top floor	59.7	67.5	**7.8**	59.8	64.6	4.8	59.8	62.8	3.0	59.9	71.8	**11.9**	59.9	69.5	**9.6**	60.0	76.8	**16.8**	60.0	74.0	**14.0**
L	at-grade	63.1	63.2	0.1	63.2	63.2	0.0	63.2	63.3	0.1	63.3	63.3	0.0	63.3	63.8	0.5	63.4	63.6	0.2	63.4	63.5	0.1
	top floor	57.1	57.5	0.4	57.2	57.4	0.2	57.2	57.4	0.2	57.3	58.1	0.8	57.3	63.6	**6.3**	57.4	61.0	3.6	57.4	58.5	1.1
M	at-grade	63.0	63.2	0.2	63.1	63.2	0.1	63.1	63.2	0.1	63.2	63.2	0.0	63.2	63.3	0.1	63.3	63.4	0.1	63.3	63.3	0.0
	top floor	56.8	57.5	0.7	56.9	57.4	0.5	56.9	57.3	0.4	57.0	57.1	0.1	57.0	57.3	0.3	57.1	57.5	0.4	57.1	57.3	0.2
N	at-grade	63.1	63.3	0.2	63.2	63.4	0.2	63.2	63.3	0.1	63.3	63.3	0.0	63.3	63.4	0.1	63.4	63.4	0.0	63.4	63.4	0.0
	top floor	56.7	57.4	0.7	56.8	58.3	1.5	56.8	57.9	1.1	56.9	56.9	0.0	56.9	57.0	0.1	57.0	57.2	0.2	57.0	57.1	0.1
O	at-grade	65.0	66.2	1.2	65.1	68.4	**3.3**	65.1	67.1	2.0	65.2	65.2	0.0	65.2	65.3	0.1	65.3	65.5	0.2	65.3	65.4	0.1
	top floor	58.9	69.2	**10.3**	59.0	72.6	**13.6**	59.0	69.4	**10.4**	59.1	59.6	0.5	59.1	60.9	1.8	59.2	62.0	2.8	59.2	60.2	1.0
P	at-grade	63.5	65.8	2.3	63.6	67.7	**4.1**	63.6	67.6	**4.0**	63.7	64.0	0.3	63.7	64.2	0.5	63.8	64.5	0.7	63.8	64.0	0.2
	top floor	62.0	72.1	**10.1**	62.1	74.9	**12.8**	62.1	76.2	**14.1**	62.2	62.8	0.6	62.2	63.4	1.2	62.3	64.4	2.1	62.3	62.9	0.6

Q	at-grade	66.0	66.1	0.1	66.1	67.2	1.1	66.1	67.2	1.1	66.2	66.2	0.0	66.2	66.3	0.1	66.3	66.3	0.0	66.3	66.3	0.0
	top floor	64.0	64.2	0.2	64.1	68.3	**4.2**	64.1	68.5	**4.4**	64.2	64.2	0.0	64.2	64.3	0.1	64.3	64.3	0.0	64.3	64.3	0.0
R	at-grade	69.8	69.8	0.0	69.9	69.9	0.0	69.9	69.9	0.0	70.0	70.0	0.0	70.0	70.0	0.0	70.1	70.1	0.0	70.1	70.1	0.0
	top floor	68.3	68.4	0.1	68.4	68.5	0.1	68.4	68.5	0.1	68.5	68.5	0.0	68.5	68.5	0.0	68.6	68.6	0.0	68.6	68.6	0.0
S	at-grade	65.1	65.1	0.0	65.2	65.3	0.1	65.2	65.5	0.3	65.3	65.3	0.0	65.3	65.4	0.1	65.4	65.4	0.0	65.4	65.4	0.0
	top floor	64.1	64.1	0.0	64.2	64.6	0.4	64.2	64.7	0.5	64.3	64.3	0.0	64.3	64.5	0.2	64.4	64.5	0.1	64.4	64.4	0.0

Table 20-21 (cont'd)
Construction Noise Analysis Results in dBA

Receptor Site	Receptor Height (in stories)	2025			2026			2027			2028			2029			2030			2031		
		No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change	No Build Leq(1)	Total Leq(1)	Change
T	at-grade	65.6	65.7	0.1	65.7	65.7	0.0	65.7	65.8	0.1	65.8	65.8	0.0	65.8	65.9	0.1	65.9	65.9	0.0	65.9	65.9	0.0
	top floor	65.8	65.9	0.1	65.9	65.9	0.0	65.9	66.0	0.1	66.0	66.0	0.0	66.0	66.1	0.1	66.1	66.1	0.0	66.1	66.1	0.0
U	at-grade	69.5	69.5	0.0	69.6	69.6	0.0	69.6	69.6	0.0	69.7	69.7	0.0	69.7	69.7	0.0	69.8	69.8	0.0	69.8	69.8	0.0
	top floor	69.7	69.7	0.0	69.8	69.8	0.0	69.8	69.8	0.0	69.9	69.9	0.0	69.9	70.0	0.1	70.0	70.1	0.1	70.0	70.1	0.1
V	at-grade	64.0	64.0	0.0	64.1	64.1	0.0	64.1	64.1	0.0	64.2	64.2	0.0	64.2	64.4	0.2	64.3	64.5	0.2	64.3	64.4	0.1
	top floor	61.0	61.5	0.5	61.1	61.2	0.1	61.1	61.4	0.3	61.2	61.9	0.7	61.2	61.4	0.2	61.3	63.0	1.7	61.3	61.8	0.5
W	at-grade	69.5	69.6	0.1	69.6	69.6	0.0	69.6	69.7	0.1	69.7	69.7	0.0	69.7	69.8	0.1	69.8	69.9	0.1	69.8	69.8	0.0
	top floor	66.6	66.6	0.0	66.7	66.7	0.0	66.7	66.8	0.1	66.8	66.8	0.0	66.8	66.9	0.1	66.9	67.0	0.1	66.9	66.9	0.0
X	at-grade	62.0	62.1	0.1	62.1	62.1	0.0	62.1	62.2	0.1	62.2	62.2	0.0	62.2	62.3	0.1	62.3	62.5	0.2	62.3	62.4	0.1
	top floor	58.3	58.9	0.6	58.4	58.8	0.4	58.4	58.8	0.4	58.5	58.7	0.2	58.5	58.8	0.3	58.6	59.3	0.7	58.6	59.3	0.7
Y	at-grade	66.9	66.9	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.1	67.4	0.3	67.1	67.4	0.3	67.2	68.2	1.0	67.2	67.8	0.6
	top floor	62.7	62.8	0.1	62.8	62.8	0.0	62.8	62.9	0.1	62.9	65.3	2.4	62.9	66.2	**3.3**	63.0	68.6	**5.6**	63.0	66.8	**3.8**
Z	at-grade	63.1	63.1	0.0	63.2	63.2	0.0	63.2	63.2	0.0	63.3	63.5	0.2	63.3	64.0	0.7	63.4	64.5	1.1	63.4	63.8	0.4
AA	at-grade	59.3	59.6	0.3	59.4	59.5	0.1	59.4	59.6	0.2	59.5	59.5	0.0	59.5	59.6	0.1	59.6	59.7	0.1	59.6	59.6	0.0
	top floor	51.6	52.3	0.7	51.7	52.2	0.5	51.7	52.2	0.5	51.8	51.9	0.1	51.8	52.1	0.3	51.9	52.4	0.5	51.9	52.1	0.2
BB	at-grade	65.1	65.2	0.1	65.2	66.6	1.4	65.2	66.3	1.1	65.3	65.3	0.0	65.3	65.4	0.1	65.4	65.4	0.0	65.4	65.4	0.0
	top floor	59.8	60.1	0.3	59.9	67.4	7.5	59.9	65.7	**5.8**	60.0	60.0	0.0	60.0	60.1	0.1	60.1	60.2	0.1	60.1	60.1	0.0
CC	at-grade	69.3	69.3	0.0	69.4	69.4	0.0	69.4	69.5	0.1	69.5	69.5	0.0	69.5	69.5	0.0	69.6	69.6	0.0	69.6	69.6	0.0
	top floor	67.6	67.6	0.0	67.7	67.7	0.0	67.7	67.8	0.1	67.8	67.8	0.0	67.8	67.8	0.0	67.9	67.9	0.0	67.9	67.9	0.0
DD	at-grade	71.2	71.2	0.0	71.3	71.3	0.0	71.3	71.3	0.0	71.4	71.4	0.0	71.4	71.4	0.0	71.5	71.5	0.0	71.5	71.5	0.0
	top floor	69.2	69.3	0.1	69.3	69.3	0.0	69.3	69.4	0.1	69.4	69.4	0.0	69.4	69.5	0.1	69.5	69.5	0.0	69.5	69.5	0.0
EE	at-grade	62.4	62.5	0.1	62.5	62.7	0.2	62.5	62.9	0.4	62.6	62.6	0.0	62.6	62.7	0.1	62.7	62.7	0.0	62.7	62.7	0.0
	top floor	56.2	56.3	0.1	56.3	58.8	2.5	56.3	59.3	3.0	56.4	56.5	0.1	56.4	56.8	0.4	56.5	57.1	0.6	56.5	56.8	0.3
FF	at-grade	60.9	61.0	0.1	61.0	61.0	0.0	61.0	61.1	0.1	61.1	61.1	0.0	61.1	61.2	0.1	61.2	61.3	0.1	61.2	61.2	0.0
	top floor	58.1	58.4	0.3	58.2	58.3	0.1	58.2	58.8	0.6	58.3	58.3	0.0	58.3	58.5	0.2	58.4	58.7	0.3	58.4	58.6	0.2
GG	at-grade	59.7	59.8	0.1	59.8	59.8	0.0	59.8	59.8	0.0	59.9	59.9	0.0	59.9	60.0	0.1	60.0	60.2	0.2	60.0	60.1	0.1
	top floor	55.2	57.3	2.1	55.3	55.8	0.5	55.3	55.6	0.3	55.4	55.5	0.1	55.4	55.6	0.2	55.5	56.5	1.0	55.5	55.9	0.4

Note: Locations where predicted noise levels exceed the CEQR impact criteria are shown in bold.
1. The highest predicted noise levels at Washington Square Village 1 & 2.
2. The highest predicted noise levels at Washington Square Village 3 & 4.
3. The highest predicted noise levels at Silver Tower II.

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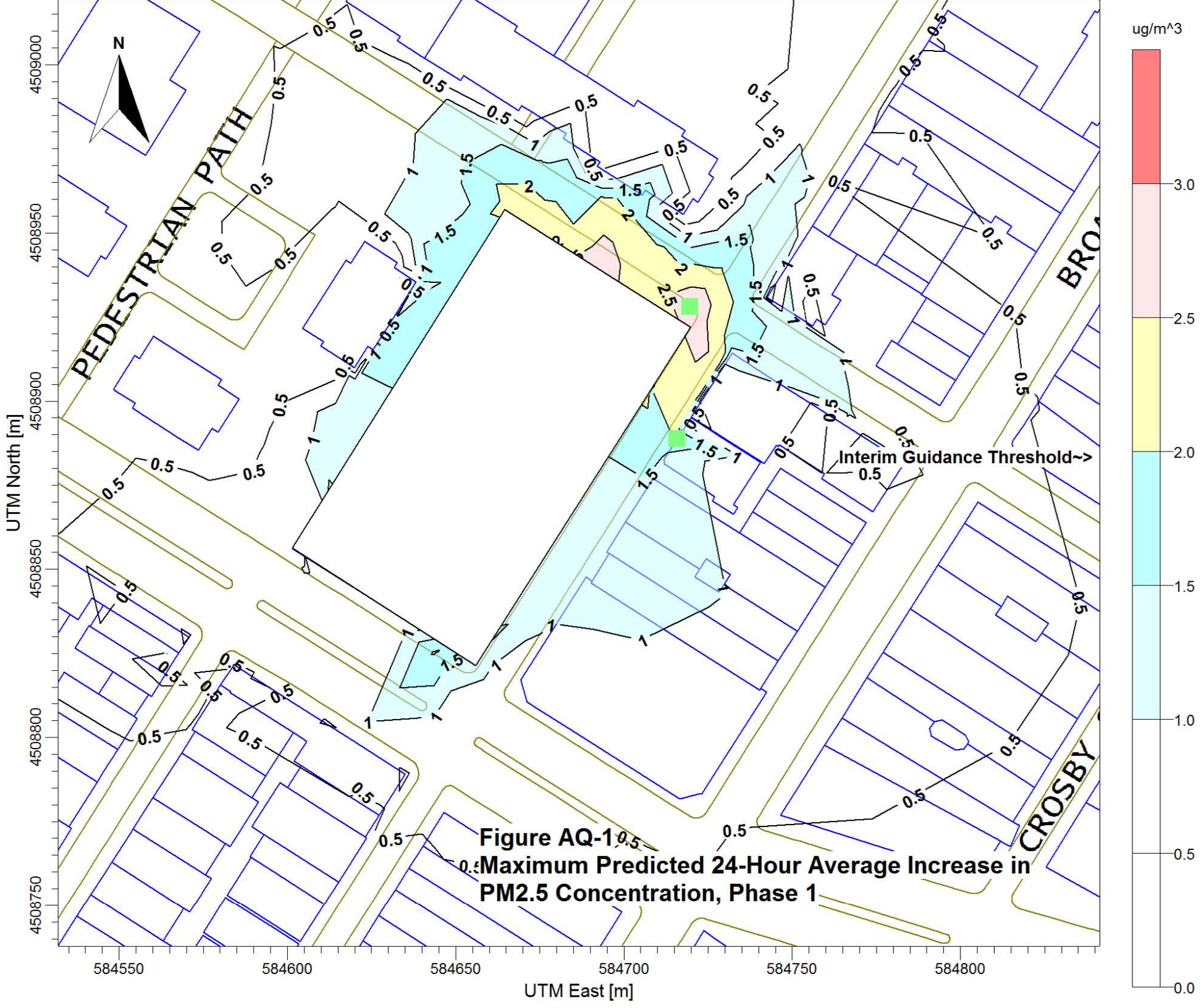


Figure AQ-1
Maximum Predicted 24-Hour Average Increase in PM2.5 Concentration, Phase 1

NYU Plans 2031
9/23/2009, 10/1/2009, 10/6/2009, 10/13/2009, 10/21/2009, 11/9/2010, 5/10/2011

SiteID	Location		L_{eq}	L_1	L_{10}	L_{50}	L_{90}	L_{Min}	L_{Max}	Minimum L_{eq}	Maximum L_{10}
1	West Houston Street at Greene Street	AM	73.7	83.4	77.3	69.8	62.0	58.7	85.8	72.6	77.4
		PreMD	73.3	81.5	76.8	70.7	62.7	59.9	87.4		
		MD	73.5	81.0	77.4	70.6	64.3	60.4	83.8		
		PrePM	72.6	81.0	76.3	69.9	61.9	59.6	84.2		
		PM	72.8	81.9	76.2	69.3	63.4	61.0	86.3		
2	Mercer Street between Bleecker and West Houston Streets	AM	67.9	80.0	69.4	63.6	60.3	58.1	85.1	64.2	70.2
		PreMD	65.5	74.5	68.2	62.2	59.8	58.0	81.4		
		MD	64.2	72.1	67.5	61.8	59.3	58.0	76.3		
		PrePM	66.8	74.6	70.2	64.2	62.0	60.9	81.5		
		PM	66.3	74.0	68.8	64.3	61.5	59.1	82.0		
3	Bleecker Street between Mercer Street and Laguardia Place	AM	63.6	72.3	66.2	61.3	58.6	57.1	78.6	63.4	67.3
		PreMD	63.6	74.0	65.7	60.5	58.1	57.0	81.9		
		MD	63.4	71.7	65.8	61.5	59.2	57.5	75.4		
		PrePM	64.5	73.3	67.3	61.6	58.7	57.2	79.9		
		PM	65.4	75.2	68.4	61.6	58.9	57.4	80.7		
4	Laguardia Place between West Houston and Bleecker Streets	AM	66.6	75.9	69.5	62.3	58.4	55.7	84.6	64.5	69.5
		PreMD	66.1	76.1	68.5	62.7	59.0	55.5	83.7		
		MD	66.1	75.4	68.9	63.2	59.5	56.7	82.5		
		PrePM	64.5	73.7	67.1	62.0	58.6	55.9	81.1		
		PM	63.6	70.5	66.6	62.0	58.9	55.7	75.4		
5	Laguardia Place between Bleecker and West 3rd Streets	AM	63.6	72.0	66.9	60.5	57.5	56.4	78.9	61.3	66.9
		MD	63.4	72.2	65.4	61.1	58.9	56.2	78.0		
		PrePM	61.3	67.7	64.2	59.7	57.5	56.1	72.9		
		PM	62.9	69.3	65.3	61.5	59.6	57.3	74.2		
6	West 3rd Street between Mercer Street and Laguardia Place	AM	66.5	72.9	69.8	64.4	60.2	57.9	79.8	62.5	69.8
		PreMD	66.4	77.2	67.8	63.2	61.3	58.2	84.8		
		MD	64.4	74.7	67.5	60.9	57.9	55.9	78.7		
		PrePM	62.5	70.2	66.5	59.0	56.9	55.5	73.4		
		PM	65.7	76.6	67.2	60.7	57.4	56.1	87.6		
7	Mercer Street between West 3rd and Bleecker Streets	AM	65.2	73.3	67.6	64.2	57.3	55.6	79.7	61.8	68.9
		PreMD	67.3	79.7	68.9	62.2	58.7	56.0	86.2		
		MD	65.3	76.1	66.6	60.3	57.9	55.7	86.1		
		PrePM	61.8	69.3	64.5	60.0	57.7	55.8	75.6		
		PM	60.3	68.4	62.9	58.2	56.1	54.5	77.4		
8	Courtyard of Washington Square Village	AM	56.0	60.1	58.0	55.5	54.0	53.0	69.8	56.0	59.7
		PreMD	57.8	61.8	59.7	57.0	55.3	54.2	64.5		
		MD	56.4	59.6	57.7	56.0	55.0	54.0	65.3		
		PrePM	57.2	63.7	58.3	56.6	55.6	54.8	67.5		
		PM	57.9	61.3	59.3	57.6	56.5	55.4	64.2		

NYU Plans 2031
9/23/2009, 10/1/2009, 10/6/2009, 10/13/2009, 10/21/2009, 11/9/2010, 5/10/2011

SiteID	Location		L_{eq}	L_1	L_{10}	L_{50}	L_{90}	L_{Min}	L_{Max}	Minimum L_{eq}	Maximum L_{10}
9	Bleecker Street between Mercer Street and Broadway	AM	68.3	77.8	69.8	65.5	62.4	60.5	86.3	68.1	71.4
		MD	68.1	75.7	70.5	66.9	63.4	60.9	80.3		
		PrePM	68.3	78.1	70.4	65.7	63.4	61.1	86.4		
		PM	69.2	79.1	71.4	66.9	64.0	61.7	86.2		
10	West 3rd Street between Mercer Street and Broadway	AM	67.2	77.2	69.6	64.6	59.8	56.0	83.7	66.4	72.1
		PreMD	70.2	79.7	72.1	66.3	62.8	59.4	88.9		
		MD	66.4	76.1	68.7	63.6	60.0	55.9	83.5		
		PrePM	67.4	74.4	69.6	66.0	63.0	58.7	80.9		
		PM	67.4	75.7	70.0	65.7	62.1	59.1	80.9		
11	West 3rd Street between Thompson Street and Laguardia Place	AM	67.3	78.2	69.0	63.4	61.0	58.3	84.7	66.0	70.9
		PreMD	69.7	81.6	70.9	65.0	60.3	55.6	90.0		
		MD	68.6	78.9	70.7	65.3	60.9	58.6	84.8		
		PrePM	66.0	76.4	69.0	60.6	56.3	53.7	83.9		
		PM	64.2	72.8	67.7	61.4	56.5	54.2	79.3		
12	Bleecker Street between Thompson Street and Laguardia Place	AM	70.9	82.9	73.8	65.7	59.1	56.1	87.1	69.7	74.6
		MD	71.1	80.3	74.6	67.3	62.1	59.2	87.1		
		PrePM	69.8	79.0	73.0	65.4	59.5	54.9	85.7		
		PM	69.7	79.1	72.1	67.5	61.9	58.1	82.7		
13	East Side of 100 Silver Towers Ground Level	AM	66.5	68.5	67.3	66.4	65.6	64.9	69.9	66.5	67.3
	East Side of 100 Silver Towers Rooftop	AM	60.8	64.1	62.1	60.4	59.6	58.9	67.4	60.8	62.6
		PreMD	60.8	64.9	61.8	60.4	59.5	58.7	71.3		
		MD	61.0	65.7	62.2	60.6	59.8	58.9	68.8		
		PrePM	61.8	69.8	62.6	60.6	59.8	59.0	75.7		
		PM	61.0	67.3	61.8	60.4	59.6	59.0	71.1		
14	South Side of Washington Square Village 4 Ground Level	PreMD	64.2	73.2	67.3	61.6	58.4	55.7	77.6	64.0	67.3
	South Side of Washington Square Village 4 Rooftop	AM	64.1	67.3	64.7	63.8	63.3	62.9	75.8	63.5	64.8
		PreMD	63.7	66.4	64.3	63.6	63.0	62.3	70.5		
		MD	64.1	68.8	64.8	63.7	63.1	62.7	72.7		
		PrePM	63.5	66.1	64.2	63.4	62.8	62.2	67.7		
		PM	65.1	72.9	66.2	63.8	63.1	62.3	76.9		
15	South Side of Washington Square Village 1 Ground Level	PreMD	59.3	61.7	60.4	59.3	56.9	55.4	64.3	58.4	60.4
	South Side of Washington Square Village 1 Rooftop	AM	64.1	66.3	64.4	63.9	63.6	63.2	67.8	64.1	65.5
		PreMD	65.0	66.6	65.5	64.9	64.4	63.7	68.5		
		MD	64.6	65.5	65.0	64.5	64.2	63.5	66.8		
		PrePM	64.4	65.8	64.8	64.4	64.0	63.5	69.1		
		PM	65.2	66.2	65.6	65.2	64.8	64.2	66.9		

NYU Construction Noise

Measured Location

Noise Receptor Sites	Elevation (floor)	Governed Receptor				Predicted Existing Leq					
		Noise Monitoring Site	Measured AM Leq	Measured Min Leq	TNM AM Leq	TNM AM Leq	Calibrate Factor	Adjust Level at grade Level	Quietest Leq at grade Level	Adjust Factor on floors	Min. Leq
1	at-grade	1	73.7	72.6	73.1						72.6
2	at-grade	2	67.9	64.2	65.4						64.2
3	at-grade	3	63.6	63.4	63.1						63.4
4	at-grade	4	66.6	64.5	69.0						64.5
5	at-grade	5	63.6	61.3	68.2						61.3
6	at-grade	6	66.5	62.5	68.7						62.5
7	at-grade	7	65.2	61.8	64.4						61.8
8	at-grade	8	56.0	56.0	48.6						56.0
9	at-grade	9	68.3	68.1	68.0						68.1
10	at-grade	10	67.2	66.4	69.7						66.4
11	at-grade	11	67.3	66.0	66.3						66.0
12	at-grade	12	70.9	69.7	68.8						69.7
15	at-grade	15	59.3	58.4	49.5						58.4
14	at-grade	14	64.2	64.0	61.6						64.0
13	at-grade	13	66.5	66.5	55.2						66.5
A1	at-grade	7	65.2	61.8	64.4	57.1	7.3	54.5	58.4	0.0	58.4
A1	3							54.5	58.4	1.4	59.8
A1	5							54.5	58.4	2.9	61.3
A1	10							54.5	58.4	4.3	62.7
A1	top floor							54.5	58.4	5.7	64.1
A2	at-grade	7	65.2	61.8	64.4	54.2	10.2	51.6	58.4	0.0	58.4
A2	3							51.6	58.4	1.4	59.8
A2	5							51.6	58.4	2.9	61.3
A2	10							51.6	58.4	4.3	62.7
A2	top floor							51.6	58.4	5.7	64.1
A3	at-grade	7	65.2	61.8	64.4	52.0	12.4	49.4	58.4	0.0	58.4
A3	3							49.4	58.4	1.4	59.8
A3	5							49.4	58.4	2.9	61.3
A3	10							49.4	58.4	4.3	62.7
A3	top floor							49.4	58.4	5.7	64.1
A4	at-grade	15	59.3	58.4	49.5	50.3	-0.8	58.4	58.4	0.0	58.4
A4	3							58.4	58.4	1.4	59.8
A4	5							58.4	58.4	2.9	61.3
A4	10							58.4	58.4	4.3	62.7
A4	top floor							58.4	58.4	5.7	64.1
A5	at-grade	15	59.3	58.4	49.5	49.5	0.0	58.4	58.4	0.0	58.4
A5	3							58.4	58.4	1.4	59.8
A5	5							58.4	58.4	2.9	61.3
A5	10							58.4	58.4	4.3	62.7
A5	top floor							58.4	58.4	5.7	64.1
A6	at-grade	15	59.3	58.4	49.5	50.5	-1.0	58.4	58.4	0.0	58.4
A6	3							58.4	58.4	1.4	59.8
A6	5							58.4	58.4	2.9	61.3
A6	10							58.4	58.4	4.3	62.7
A6	top floor							58.4	58.4	5.7	64.1
A7	at-grade	5	64	61	68	53.2	15.0	46.3	58.4	0.0	58.4
A7	3							46.3	58.4	1.4	59.8
A7	5							46.3	58.4	2.9	61.3
A7	10							46.3	58.4	4.3	62.7
A7	top floor							46.3	58.4	5.7	64.1
A8	at-grade	5	63.6	61.3	68.2	61.0	7.2	54.1	58.4	0.0	58.4
A8	3							54.1	58.4	1.4	59.8
A8	5							54.1	58.4	2.9	61.3
A8	10							54.1	58.4	4.3	62.7
A8	top floor							54.1	58.4	5.7	64.1
A9	at-grade	5	63.6	61.3	68.2	64.7	3.5	57.8	58.4	0.0	58.4
A9	3							57.8	58.4	1.4	59.8
A9	5							57.8	58.4	2.9	61.3
A9	10							57.8	58.4	4.3	62.7
A9	top floor							57.8	58.4	5.7	64.1
A10	at-grade	6	66.5	62.5	68.7	65.1	3.6	58.9	58.4	0.0	58.9
A10	3							58.9	58.4	1.4	60.3
A10	5							58.9	58.4	2.9	61.8
A10	10							58.9	58.4	4.3	63.2
A10	top floor							58.9	58.4	5.7	64.6
A11	at-grade	6	66.5	62.5	68.7	64.7	4.0	58.5	58.4	0.0	58.5
A11	3							58.5	58.4	1.4	59.9
A11	5							58.5	58.4	2.9	61.4
A11	10							58.5	58.4	4.3	62.8
A11	top floor							58.5	58.4	5.7	64.2
A12	at-garde	6	66.5	62.5	68.7	64.5	4.2	58.3	58.4	0.0	58.4
A12	3							58.3	58.4	1.4	59.8
A12	5							58.3	58.4	2.9	61.3
A12	10							58.3	58.4	4.3	62.7
A12	top floor							58.3	58.4	5.7	64.1

NYU Construction Noise

Measured Location

Noise Receptor Sites	Elevation (floor)	Governed Receptor				Predicted Existing Leq					
		Noise Monitoring Site	Measured AM Leq	Measured Min Leq	TNM AM Leq	TNM AM Leq	Calibrate Factor	Adjust Level at grade Level	Quietest Leq at grade Level	Adjust Factor on floors	Min. Leq
A13	at-grade	6	66.5	62.5	68.7	64.7	4.0	58.5	58.4	0.0	58.5
A13	3							58.5	58.4	1.4	59.9
A13	5							58.5	58.4	2.9	61.4
A13	10							58.5	58.4	4.3	62.8
A13	top floor							58.5	58.4	5.7	64.2
A14	at-garde	6	66.5	62.5	68.7	65.1	3.6	58.9	58.4	0.0	58.9
A14	3							58.9	58.4	1.4	60.3
A14	5							58.9	58.4	2.9	61.8
A14	10							58.9	58.4	4.3	63.2
A14	top floor							58.9	58.4	5.7	64.6
A15	at-grade	7	65.2	61.8	64.4	63.3	1.1	60.7	58.4	0.0	60.7
A15	3							60.7	58.4	1.4	62.1
A15	5							60.7	58.4	2.9	63.6
A15	10							60.7	58.4	4.3	65.0
A15	top floor							60.7	58.4	5.7	66.4
B1	at-grade	7	65.2	61.8	64.4	57.4	7.0	54.8	58.4	0.0	58.4
B1	3							54.8	58.4	1.4	59.8
B1	5							54.8	58.4	2.9	61.3
B1	10							54.8	58.4	4.3	62.7
B1	top floor							54.8	58.4	5.7	64.1
B2	at-grade	7	65.2	61.8	64.4	54.2	10.2	51.6	58.4	0.0	58.4
B2	3							51.6	58.4	1.4	59.8
B2	5							51.6	58.4	2.9	61.3
B2	10							51.6	58.4	4.3	62.7
B2	top floor							51.6	58.4	5.7	64.1
B3	at-grade	8	56	56	48.6	52.1	-3.5	56.0	58.4	0.0	58.4
B3	3							56.0	58.4	1.4	59.8
B3	5							56.0	58.4	2.9	61.3
B3	10							56.0	58.4	4.3	62.7
B3	top floor							56.0	58.4	5.7	64.1
B4	at-grade	8	56	56	48.6	50.2	-1.6	56.0	58.4	0.0	58.4
B4	3							56.0	58.4	1.4	59.8
B4	5							56.0	58.4	2.9	61.3
B4	10							56.0	58.4	4.3	62.7
B4	top floor							56.0	58.4	5.7	64.1
B5	at-grade	8	56	56	48.6	49.4	-0.8	56.0	58.4	0.0	58.4
B5	3							56.0	58.4	1.4	59.8
B5	5							56.0	58.4	2.9	61.3
B5	10							56.0	58.4	4.3	62.7
B5	top floor							56.0	58.4	5.7	64.1
B6	at-grade	8	56	56	48.6	50.6	-2.0	56.0	58.4	0.0	58.4
B6	3							56.0	58.4	1.4	59.8
B6	5							56.0	58.4	2.9	61.3
B6	10							56.0	58.4	4.3	62.7
B6	top floor							56.0	58.4	5.7	64.1
B7	at-grade	8	56	56	48.6	52.8	-4.2	56.0	58.4	0.0	58.4
B7	3							56.0	58.4	1.4	59.8
B7	5							56.0	58.4	2.9	61.3
B7	10							56.0	58.4	4.3	62.7
B7	top floor							56.0	58.4	5.7	64.1
B8	at-grade	5	63.6	61.3	68.2	60.8	7.4	53.9	58.4	0.0	58.4
B8	3							53.9	58.4	1.4	59.8
B8	5							53.9	58.4	2.9	61.3
B8	10							53.9	58.4	4.3	62.7
B8	top floor							53.9	58.4	5.7	64.1
B9	at-grade	5	63.6	61.3	68.2	65.6	2.6	58.7	58.4	0.0	58.7
B9	3							58.7	58.4	1.4	60.1
B9	5							58.7	58.4	2.9	61.6
B9	10							58.7	58.4	4.3	63.0
B9	top floor							58.7	58.4	5.7	64.4
B10	at-grade	5	63.6	61.3	68.2	67	1.2	60.1	58.4	0.0	60.1
B10	3							60.1	58.4	1.4	61.5
B10	5							60.1	58.4	2.9	63.0
B10	10							60.1	58.4	4.3	64.4
B10	top floor							60.1	58.4	5.7	65.8
B11	at-grade	3	63.6	63.4	63.1	65.5	-2.4	63.4	58.4	0.0	63.4
B11	3							63.4	58.4	-0.1	63.3
B11	5							63.4	58.4	-0.2	63.2
B11	10							63.4	58.4	-0.3	63.1
B11	top floor							63.4	58.4	-0.5	62.9
B12	at-grade	3	63.6	63.4	63.1	63.5	-0.4	63.4	58.4	0.0	63.4
B12	3							63.4	58.4	-0.1	63.3
B12	5							63.4	58.4	-0.2	63.2
B12	10							63.4	58.4	-0.3	63.1
B12	top floor							63.4	58.4	-0.5	62.9

NYU Construction Noise

Measured Location

Noise Receptor Sites	Elevation (floor)	Governed Receptor				Predicted Existing Leq					
		Noise Monitoring Site	Measured AM Leq	Measured Min Leq	TNM AM Leq	TNM AM Leq	Calibrate Factor	Adjust Level at grade Level	Quietest Leq at grade Level	Adjust Factor on floors	Min. Leq
B13	at-grade	3	63.6	63.4	63.1	61.8	1.3	62.1	58.4	0.0	62.1
B13	3							62.1	58.4	-0.1	62.0
B13	5							62.1	58.4	-0.2	61.9
B13	10							62.1	58.4	-0.3	61.8
B13	top floor							62.1	58.4	-0.5	61.6
B14	at-grade	14	64.2	64	61.6	60.8	0.8	63.2	58.4	0.0	63.2
B14	3							63.2	58.4	-0.1	63.1
B14	5							63.2	58.4	-0.2	63.0
B14	10							63.2	58.4	-0.3	62.9
B14	top floor							63.2	58.4	-0.5	62.7
B15	at-grade	14	64.2	64	61.6	60.8	0.8	63.2	58.4	0.0	63.2
B15	3							63.2	58.4	-0.1	63.1
B15	5							63.2	58.4	-0.2	63.0
B15	10							63.2	58.4	-0.3	62.9
B15	top floor							63.2	58.4	-0.5	62.7
B16	at-grade	14	64.2	64	61.6	61.6	0.0	64.0	58.4	0.0	64.0
B16	3							64.0	58.4	-0.1	63.9
B16	5							64.0	58.4	-0.2	63.8
B16	10							64.0	58.4	-0.3	63.7
B16	top floor							64.0	58.4	-0.5	63.5
B17	at-grade	14	64.2	64	61.6	63.8	-2.2	64.0	58.4	0.0	64.0
B17	3							64.0	58.4	-0.1	63.9
B17	5							64.0	58.4	-0.2	63.8
B17	10							64.0	58.4	-0.3	63.7
B17	top floor							64.0	58.4	-0.5	63.5
B18	at-grade	14	64.2	64	61.6	63.2	-1.6	64.0	58.4	0.0	64.0
B18	3							64.0	58.4	-0.1	63.9
B18	5							64.0	58.4	-0.2	63.8
B18	10							64.0	58.4	-0.3	63.7
B18	top floor							64.0	58.4	-0.5	63.5
C1	at-grade	13	66.5	66.5	55.2	55	0.2	66.3	63.4	0.0	66.3
C1	3							66.3	63.4	-0.8	65.5
C1	5							66.3	63.4	-1.6	64.7
C1	10							66.3	63.4	-2.4	63.9
C1	15							66.3	63.4	-3.2	63.1
C1	20							66.3	63.4	-4.0	62.3
C1	25							66.3	63.4	-4.8	61.5
C1	top floor							66.3	63.4	-5.7	60.6
C2	at-grade	13	66.5	66.5	55.2	55.2	0.0	66.5	63.4	0.0	66.5
C2	3							66.5	63.4	-0.8	65.7
C2	5							66.5	63.4	-1.6	64.9
C2	10							66.5	63.4	-2.4	64.1
C2	15							66.5	63.4	-3.2	63.3
C2	20							66.5	63.4	-4.0	62.5
C2	25							66.5	63.4	-4.8	61.7
C2	top floor							66.5	63.4	-5.7	60.8
C3	at-grade	13	66.5	66.5	55.2	60.30	-5.1	66.5	63.4	0.0	66.5
C3	3							66.5	63.4	-0.8	65.7
C3	5							66.5	63.4	-1.6	64.9
C3	10							66.5	63.4	-2.4	64.1
C3	15							66.5	63.4	-3.2	63.3
C3	20							66.5	63.4	-4.0	62.5
C3	25							66.5	63.4	-4.8	61.7
C3	top floor							66.5	63.4	-5.7	60.8
C4	at-grade	13	66.5	66.5	55.2	56.80	-1.6	66.5	63.4	0.0	66.5
C4	3							66.5	63.4	-0.8	65.7
C4	5							66.5	63.4	-1.6	64.9
C4	10							66.5	63.4	-2.4	64.1
C4	15							66.5	63.4	-3.2	63.3
C4	20							66.5	63.4	-4.0	62.5
C4	25							66.5	63.4	-4.8	61.7
C4	top floor							66.5	63.4	-5.7	60.8
D1	at-grade	1	74	73	73	49.90	23.2	49.4	63.4	0.0	63.4
D1	3							49.4	63.4	1.7	65.1
D1	5							49.4	63.4	3.1	66.5
D1	10							49.4	63.4	5.7	69.1
D1	15							49.4	63.4	5.8	69.2
D1	20							49.4	63.4	5.4	68.8
D1	25							49.4	63.4	4.9	68.3
D1	top floor							49.4	63.4	4.8	68.2
D2	at-grade	1	73.7	72.6	73.1	64.40	8.7	63.9	63.4	0.0	63.9
D2	3							63.9	63.4	2.7	66.6
D2	5							63.9	63.4	2.9	66.8
D2	10							63.9	63.4	2.3	66.2
D2	15							63.9	63.4	1.3	65.2
D2	20							63.9	63.4	0.1	64.0
D2	25							63.9	63.4	-1.1	62.8
D2	top floor							63.9	63.4	-1.9	62.0

NYU Construction Noise

Measured Location

Noise Receptor Sites	Elevation (floor)	Governed Receptor				Predicted Existing Leq					
		Noise Monitoring Site	Measured AM Leq	Measured Min Leq	TNM AM Leq	TNM AM Leq	Calibrate Factor	Adjust Level at grade Level	Quietest Leq at grade Level	Adjust Factor on floors	Min. Leq
D3	at-grade	1	73.7	72.6	73.1	68.90	4.2	68.4	63.4	0.0	68.4
D3	3							68.4	63.4	1.3	69.7
D3	5							68.4	63.4	0.9	69.3
D3	10							68.4	63.4	-0.6	67.8
D3	15							68.4	63.4	-2.1	66.3
D3	20							68.4	63.4	-3.3	65.1
D3	25							68.4	63.4	-4.6	63.8
D3	top floor							68.4	63.4	-5.5	62.9
D4	at-grade	1	73.7	72.6	73.1	63.60	9.5	63.1	63.4	0.0	63.4
D4	3							63.1	63.4	2.5	65.9
D4	5							63.1	63.4	2.7	66.1
D4	10							63.1	63.4	2.1	65.5
D4	15							63.1	63.4	1.0	64.4
D4	20							63.1	63.4	0.1	63.5
D4	25							63.1	63.4	-0.9	62.5
D4	top floor							63.1	63.4	-1.7	61.7
E1	at-grade	1	73.7	72.6	73.1	57.80	15.3	57.3	63.4	0.0	63.4
E1	3							57.3	63.4	1.8	65.2
E1	5							57.3	63.4	3.4	66.8
E1	10							57.3	63.4	3.5	66.9
E1	15							57.3	63.4	3.0	66.4
E1	20							57.3	63.4	2.2	65.6
E1	25							57.3	63.4	1.3	64.7
E1	top floor							57.3	63.4	0.6	64.0
E2	at-grade	1	73.7	72.6	73.1	64.00	9.1	63.5	63.4	0.0	63.5
E2	3							63.5	63.4	2.4	65.9
E2	5							63.5	63.4	3.6	67.1
E2	10							63.5	63.4	3.2	66.7
E2	15							63.5	63.4	2.4	65.9
E2	20							63.5	63.4	1.5	65.0
E2	25							63.5	63.4	0.5	64.0
E2	top floor							63.5	63.4	-0.2	63.3
E3	at-grade	4	66.6	64.5	69	64.30	4.7	59.8	63.4	0.0	63.4
E3	3							59.8	63.4	2.5	65.9
E3	5							59.8	63.4	3.4	66.8
E3	10							59.8	63.4	3.0	66.4
E3	15							59.8	63.4	2.3	65.7
E3	20							59.8	63.4	1.7	65.1
E3	25							59.8	63.4	0.8	64.2
E3	top floor							59.8	63.4	0.2	63.6
E4	at-grade	4	66.6	64.5	69	55.70	13.3	51.2	63.4	0.0	63.4
E4	3							51.2	63.4	3.8	67.2
E4	5							51.2	63.4	5.4	68.8
E4	10							51.2	63.4	5.8	69.2
E4	15							51.2	63.4	5.3	68.7
E4	20							51.2	63.4	4.6	68.0
E4	25							51.2	63.4	3.6	67.0
E4	top floor							51.2	63.4	3.2	66.6
F	at-grade	1	73.7	72.6	73.1	70.70	2.4	70.2	56.0	0.0	70.2
F	3							70.2	56.0	1.3	71.5
F	5							70.2	56.0	0.8	71.0
F	top floor							70.2	56.0	-0.5	69.7
G	at-grade	1	73.7	72.6	73.1	68.70	4.4	68.2	56.0	0.0	68.2
G	3							68.2	56.0	1.4	69.6
G	5							68.2	56.0	1.0	69.2
G	top floor							68.2	56.0	0.2	68.4
H	at-grade	1	73.7	72.6	73.1	68.20	4.9	67.7	56.0	0.0	67.7
H	3							67.7	56.0	2.5	70.2
H	top floor							67.7	56.0	2.9	70.6
I	at-grade	4	66.6	64.5	69	68.90	0.1	64.4	56.0	0.0	64.4
I	3							64.4	56.0	-0.7	63.7
I	top floor							64.4	56.0	-1.9	62.5
J	at-grade	5	63.6	61.3	68.2	69.20	-1.0	62.3	56.0	0.0	62.3
J	3							62.3	56.0	-0.3	62.0
J	5							62.3	56.0	-1.4	60.9
J	top floor							62.3	56.0	-2.4	59.9
K	at-grade	5	63.6	61.3	68.2	68.00	0.2	61.1	56.0	0.0	61.1
K	3							61.1	56.0	-0.3	60.8
K	top floor							61.1	56.0	-2.1	59.0
L	at-grade	6	66.5	62.5	68.7	68.60	0.1	62.4	56.0	0.0	62.4
L	3							62.4	56.0	-1.1	61.3
L	5							62.4	56.0	-2.6	59.8
L	10							62.4	56.0	-5.2	57.2
L	top floor							62.4	56.0	-6.0	56.4
M	at-grade	6	66.5	62.5	68.7	68.50	0.2	62.3	56.0	0.0	62.3
M	3							62.3	56.0	-1.3	61.0
M	5							62.3	56.0	-3.0	59.3
M	top floor							62.3	56.0	-6.2	56.1

NYU Construction Noise

Measured Location

Noise Receptor Sites	Elevation (floor)	Governed Receptor				Predicted Existing Leq					
		Noise Monitoring Site	Measured AM Leq	Measured Min Leq	TNM AM Leq	TNM AM Leq	Calibrate Factor	Adjust Level at grade Level	Quietest Leq at grade Level	Adjust Factor on floors	Min. Leq
N	at-grade	6	66.5	62.5	68.7	68.60	0.1	62.4	56.0	0.0	62.4
N	3							62.4	56.0	-1.1	61.3
N	5							62.4	56.0	-2.6	59.8
N	10							62.4	56.0	-5.2	57.2
N	top floor							62.4	56.0	-6.4	56.0
O	at-grade	7	65.2	61.8	64.4	66.90	-2.5	64.3	56.0	0.0	64.3
O	3							64.3	56.0	-0.1	64.2
O	5							64.3	56.0	-1.2	63.1
O	10							64.3	56.0	-3.3	61.0
O	15							64.3	56.0	-4.9	59.4
O	top floor							64.3	56.0	-6.1	58.2
P	at-grade	7	65.2	61.8	64.4	65.40	-1.0	62.8	56.0	0.0	62.8
P	3							62.8	56.0	-0.4	62.4
P	top floor							62.8	56.0	-1.5	61.3
Q	at-grade	2	67.9	64.2	65.4	66.50	-1.1	65.3	56.0	0.0	65.3
Q	3							65.3	56.0	-0.2	65.1
Q	5							65.3	56.0	-1.2	64.1
Q	top floor							65.3	56.0	-2.0	63.3
R	at-grade	2	67.9	64.2	65.4	70.30	-4.9	69.1	56.0	0.0	69.1
R	3							69.1	56.0	0.1	69.2
R	top floor							69.1	56.0	-1.5	67.6
S	at-grade	2	67.9	64.2	65.4	65.60	-0.2	64.4	56.0	0.0	64.4
S	3							64.4	56.0	-0.2	64.2
S	top floor							64.4	56.0	-1.0	63.4
T	at-grade	1	73.7	72.6	73.1	65.40	7.7	64.9	56.0	0.0	64.9
T	top floor							64.9	56.0	0.2	65.1
U	at-grade	1	73.7	72.6	73.1	69.30	3.8	68.8	56.0	0.0	68.8
U	3							68.8	56.0	1.0	69.8
U	top floor							68.8	56.0	0.2	69.0
V	at-grade	12	70.9	69.7	68.8	62.40	6.4	63.3	56.0	0.0	63.3
V	3							63.3	56.0	-0.4	62.9
V	5							63.3	56.0	-1.6	61.7
V	top floor							63.3	56.0	-3.0	60.3
W	at-grade	12	70.9	69.7	68.8	67.90	0.9	68.8	56.0	0.0	68.8
W	3							68.8	56.0	-0.8	68.0
W	top floor							68.8	56.0	-2.9	65.9
X	at-grade	11	67.3	66.0	66.3	61.60	4.7	61.3	56.0	0.0	61.3
X	3							61.3	56.0	-1.0	60.3
X	5							61.3	56.0	-2.5	58.8
X	top floor							61.3	56.0	-3.7	57.6
Y	at-grade	11	67.3	66.0	66.3	66.50	-0.2	66.2	56.0	0.0	66.2
Y	3							66.2	56.0	-0.2	66.0
Y	5							66.2	56.0	-1.3	64.9
Y	top floor							66.2	56.0	-4.2	62.0
Z	at-grade	6	66.5	62.5	68.7	68.60	0.1	62.4	56.0	0.0	62.4
AA	at-grade	6	66.5	62.5	68.7	65.20	3.5	59.0	56.0	-0.4	58.6
AA	3							59.0	56.0	-2.4	56.6
AA	5							59.0	56.0	-4.3	54.7
AA	10							59.0	56.0	-7.1	51.9
AA	top floor							59.0	56.0	-8.1	50.9
BB	at-grade	7	65.2	61.8	64.4	67.00	-2.6	64.4	56.0	0.0	64.4
BB	3							64.4	56.0	-0.9	63.5
BB	5							64.4	56.0	-2.1	62.3
BB	10							64.4	56.0	-4.5	59.9
BB	top floor							64.4	56.0	-5.3	59.1
CC	at-grade	10	67.2	66.4	69.7	71.90	-2.2	68.6	56.0	0.0	68.6
CC	3							68.6	56.0	-0.4	68.2
CC	top floor							68.6	56.0	-1.7	66.9
DD	at-grade	10	67.2	66.4	69.7	73.80	-4.1	70.5	56.0	0.0	70.5
DD	3							70.5	56.0	-0.6	69.9
DD	top floor							70.5	56.0	-2.0	68.5
EE	at-grade	2	67.9	64.2	65.4	62.90	2.5	61.7	56.0	0.0	61.7
EE	3							61.7	56.0	-1.5	60.2
EE	top floor							61.7	56.0	-3.1	58.6
EE	10							61.7	56.0	-5.5	56.2
EE	top floor							61.7	56.0	-6.2	55.5
FF	at-grade	1	73.7	72.6	73.1	60.70	12.4	60.2	56.0	0.0	60.2
FF	3							60.2	56.0	-1.2	59.0
FF	top floor							60.2	56.0	-2.8	57.4
GG	at-grade	1	73.7	72.6	73.1	59.50	13.6	59.0	56.0	0.0	59.0
GG	3							59.0	56.0	-1.2	57.8
GG	5							59.0	56.0	-2.8	56.2
GG	top floor							59.0	56.0	-4.5	54.5

Construction Noise Results (Bleecker Building Staging Option 1)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3.0-21.6 **Minimum Increase & Maximum Increase**

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym					Zipper Tower																	Bleecker School								
		2013			2014				2015				2016			2017			2018			2019			2020			2021		
		NoBuild	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
A1	at-grade	58.4	63.0	4.6	58.4	48.2	58.8	0.4	58.4	48.4	58.8	0.4	58.4	59.2	0.7	58.5	59.3	0.8	58.5	58.9	0.5	58.5	58.9	0.4	58.5	58.9	0.4	58.5	63.7	5.2
A1	3	59.8	73.7	13.9	59.8	51.1	60.4	0.5	59.9	51.5	60.4	0.6	59.9	61.0	1.2	59.9	61.3	1.4	59.9	60.6	0.7	59.9	60.4	0.5	59.9	60.4	0.5	59.9	74.2	14.2
A1	5	61.3	74.1	12.9	61.3	54.7	62.1	0.9	61.3	56.4	62.5	1.2	61.3	63.4	2.1	61.3	63.8	2.5	61.3	62.2	0.8	61.3	61.7	0.4	61.3	61.7	0.4	61.4	75.2	13.8
A1	10	62.7	73.0	10.3	62.7	55.8	63.5	0.8	62.7	57.3	63.8	1.1	62.7	65.5	2.8	62.7	66.2	3.5	62.8	63.7	0.9	62.8	63.0	0.2	62.8	63.0	0.3	62.8	73.5	10.7
A1	top floor	64.1	71.6	7.5	64.1	55.5	64.7	0.6	64.1	57.0	64.9	0.8	64.1	66.7	2.5	64.2	67.5	3.3	64.2	65.0	0.9	64.2	64.3	0.1	64.2	64.4	0.2	64.2	71.7	7.5
A2	at-grade	58.4	62.4	4.0	58.4	41.0	58.5	0.1	58.4	41.8	58.5	0.1	58.4	58.7	0.3	58.5	58.8	0.3	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	63.2	4.7
A2	3	59.8	72.6	12.8	59.8	42.9	59.9	0.1	59.9	43.6	60.0	0.1	59.9	60.2	0.3	59.9	60.3	0.5	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	73.2	13.3
A2	5	61.3	73.2	11.9	61.3	44.1	61.4	0.1	61.3	44.6	61.4	0.1	61.3	61.6	0.3	61.3	61.7	0.4	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.1	61.4	74.3	13.0
A2	10	62.7	72.2	9.5	62.7	49.3	62.9	0.2	62.7	49.0	62.9	0.2	62.7	63.4	0.6	62.7	63.9	1.2	62.8	63.1	0.4	62.8	62.9	0.2	62.8	62.9	0.2	62.8	72.9	10.1
A2	top floor	64.1	71.1	7.0	64.1	48.8	64.2	0.1	64.1	48.5	64.3	0.1	64.1	64.9	0.8	64.2	65.6	1.4	64.2	64.4	0.2	64.2	64.3	0.1	64.2	64.3	0.1	64.2	71.3	7.1
A3	at-grade	58.4	62.0	3.6	58.4	37.8	58.5	0.0	58.4	39.3	58.5	0.1	58.4	58.7	0.2	58.5	58.8	0.4	58.5	58.6	0.1	58.5	58.5	0.1	58.5	58.6	0.1	58.5	62.5	4.0
A3	3	59.8	69.8	9.9	59.8	38.8	59.9	0.0	59.9	40.2	59.9	0.0	59.9	60.1	0.2	59.9	60.2	0.4	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	70.1	10.2
A3	5	61.3	70.6	9.4	61.3	39.6	61.3	0.0	61.3	40.8	61.3	0.0	61.3	61.5	0.2	61.3	61.6	0.3	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.4	71.3	9.9
A3	10	62.7	70.2	7.6	62.7	42.3	62.7	0.0	62.7	43.0	62.8	0.0	62.7	62.9	0.2	62.7	63.3	0.5	62.8	62.8	0.1	62.8	62.8	0.0	62.8	62.8	0.1	62.8	70.7	7.9
A3	top floor	64.1	69.7	5.6	64.1	45.7	64.2	0.1	64.1	46.1	64.2	0.1	64.1	64.4	0.2	64.2	64.9	0.7	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	69.9	5.7
A4	at-grade	58.4	62.1	3.7	58.4	36.9	58.5	0.0	58.4	38.7	58.5	0.0	58.4	58.7	0.2	58.5	58.8	0.3	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	62.1	3.6
A4	3	59.8	65.7	5.9	59.8	37.6	59.9	0.0	59.9	39.3	59.9	0.0	59.9	60.0	0.2	59.9	60.2	0.3	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	65.8	5.9
A4	5	61.3	68.3	7.0	61.3	38.1	61.3	0.0	61.3	39.6	61.3	0.0	61.3	61.4	0.1	61.3	61.6	0.3	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.4	68.3	6.9
A4	10	62.7	68.4	5.8	62.7	39.8	62.7	0.0	62.7	40.9	62.7	0.0	62.7	62.9	0.1	62.7	63.2	0.4	62.8	62.8	0.0	62.8	62.8	0.0	62.8	62.8	0.1	62.8	68.7	5.9
A4	top floor	64.1	68.4	4.3	64.1	43.0	64.2	0.0	64.1	43.6	64.2	0.0	64.1	64.3	0.2	64.2	64.7	0.6	64.2	64.2	0.1	64.2	64.2	0.0	64.2	64.3	0.1	64.2	68.5	4.3
A5	at-grade	58.4	61.7	3.3	58.4	36.0	58.4	0.0	58.4	38.0	58.5	0.0	58.4	58.6	0.2	58.5	58.7	0.3	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	61.4	2.9
A5	3	59.8	64.0	4.2	59.8	36.6	59.9	0.0	59.9	38.6	59.9	0.0	59.9	60.0	0.1	59.9	60.2	0.3	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	63.9	3.9
A5	5	61.3	66.3	5.0	61.3	36.9	61.3	0.0	61.3	38.7	61.3	0.0	61.3	61.4	0.1	61.3	61.6	0.3	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.1	61.4	66.0	4.6
A5	10	62.7	66.9	4.2	62.7	38.2	62.7	0.0	62.7	39.7	62.7	0.0	62.7	62.8	0.1	62.7	63.1	0.4	62.8	62.8	0.0	62.8	62.8	0.0	62.8	62.8	0.1	62.8	67.0	4.2
A5	top floor	64.1	67.3	3.2	64.1	39.6	64.1	0.0	64.1	40.9	64.2	0.0	64.1	64.3	0.1	64.2	64.7	0.5	64.2	64.2	0.0	64.2	64.2	0.0	64.2	64.3	0.1	64.2	67.3	3.1
A6	at-grade	58.4	61.0	2.6	58.4	34.6	58.4	0.0	58.4	37.1	58.5	0.0	58.4	58.6	0.1	58.5	58.7	0.2	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	60.7	2.2
A6	3	59.8	63.0	3.2	59.8	35.2	59.9	0.0	59.9	37.7	59.9	0.0	59.9	60.0	0.1	59.9	60.1	0.2	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.1	0.1	59.9	62.7	2.8
A6	5	61.3	64.3	3.0	61.3	35.7	61.3	0.0	61.3	37.9	61.3	0.0	61.3	61.4	0.1	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.2	61.4	64.0	2.6
A6	10	62.7	65.9	3.2	62.7	36.8	62.7	0.0	62.7	38.7	62.7	0.0	62.7	62.8	0.1	62.7	63.1	0.3	62.8	62.8	0.0	62.8	62.8	0.1	62.8	62.9	0.1	62.8	65.7	2.9
A6	top floor	64.1	66.5	2.4	64.1	37.8	64.1	0.0	64.1	39.4	64.1	0.0	64.1	64.3	0.1	64.2	64.5	0.4	64.2	64.2	0.0	64.2	64.2	0.1	64.2	64.3	0.1	64.2	66.5	2.3
A7	at-grade	58.4	60.6	2.2	58.4	34.6	58.4	0.0	58.4	37.1	58.5	0.0	58.4	58.6	0.1	58.5	58.7	0.2	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.6	0.2	58.5	60.4	1.9
A7	3	59.8	62.4	2.5	59.8	35.7	59.9	0.0	59.9	38.0	59.9	0.0	59.9	60.0	0.1	59.9	60.1	0.2	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.2	0.2	59.9	62.1	2.2
A7	5	61.3	63.4	2.1	61.3	36.5	61.3	0.0	61.3	38.4	61.3	0.0	61.3	61.4	0.1	61.3	61.5	0.2	61.3	61.5	0.1	61.3	61.6	0.3	61.3	61.8	0.4	61.4	63.3	2.0
A7	10	62.7	65.2	2.6	62.7	37.7	62.7	0.0	62.7	39.2	62.7	0.0	62.7	62.8	0.1	62.7	63.0	0.3	62.8	62.8	0.1	62.8	62.9	0.1	62.8	63.0	0.3	62.8	65.1	2.3
A7	top floor	64.1	66.0	1.9	64.1	38.5	64.1	0.0	64.1	39.9	64.1	0.0	64.1	64.2	0.1	64.2	64.5	0.3	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.4	0.2	64.2	66.1	1.9
A8	at-grade	58.4	60.2	1.8	58.4	36.0	58.4	0.0	58.4	38.0	58.5	0.0	58.4	58.8	0.3	58.5	58.9	0.4	58.5	58.6	0.2	58.5	58.7	0.2	58.5	58.9	0.4	58.5	59.8	1.3
A8	3	59.8	61.8	2.0	59.8	38.2	59.9	0.0	59.9	43.5	60.0	0.1	59.9	60.2	0.3	59.9	60.3	0.4	59.9	61.0	1.1	59.9	61.6	1.7	59.9	63.1	3.2	59.9	62.3	2.4
A8	5	61.3	62.8	1.6	61.3	39.4	61.3	0.0	61.3	43.4	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.2	61.3	62.2	0.9	61.3	63.0	1.7	61.3	64.4	3.0	61.4	63.5	2.1
A8	10	62.7	64.6	2.0	62.7	39.2	62.7	0.0	62.7	43.8	62.8	0.1	62.7	62.8	0.1	62.7	63.0	0.3	62.8	63.8	1.1	62.8	64.6	1.8	62.8	66.3	3.5	62.8	65.1	2.3
A8	top floor	64.1	65.6	1.5	64.1	41.0	64.1	0.0	64.1	44.6	64.2	0.0	64.1	64.4	0.2	64.2	64.6	0.5	64.2	65.1	1.0	64.2	66.0	1.8	64.2	67.3	3.1	64.2	66.2	2.0
A9	at-grade	58.4	58.5	0.1	58.4	39.4	58.5	0.1	58.4	40.3	58.5	0.1	58.4	58.6	0.1	58.5	58.6	0.1	58.5	58.7	0.2	58.5	58.8	0.3	58.5	59.2	0.8	58.5	58.8	0.3
A9	3	59.8	60.0	0.1	59.8	42.0	59.9	0.1	59.9	42.5	59.9	0.1	59.9	60.1	0.3	59.9	60.2	0.3	59.9	60.8	0.9	59.9	61.4	1.5	59.9	63.1	3.2	59.9	61.1	1.2
A9	5	61.3	61.3	0.1	61.3	41.7	61.3	0.0	61.3	42.3	61.3	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.3	62.1	0.8	61.3	62.8	1.5	61.3	64.3	3.0	61.4	62.4	1.1
A9	10	62.7	62.7	0.1	62.7	41.1	62.7	0.0	62.7	41.6	62.8	0.0	62.7	62.8	0.1	62.7	62.8	0.1	62.8	63.7	1.0	62.8	64.3	1.6	62.8	66.2	3.4	62.8	63.9	1.1
A9	top floor	64.1	64.1	0.0	64.1	39.8	64.1	0.0	64.1	40.6	64.2	0.0	64.1	64.2	0.0	64.2	64.2	0.0	64.2	65.0	0.8	64.2	65.8	1.6	64.2	67.2	3.0	64.2	65.3	1.1
A10	at-grade	59.8	60.0	0.2	59.8	45.2	60.0	0.1	59.9	45.4	60.0	0.2	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.2	0.3	60.0	60.1	0.2
A10	3	61.2	61.4	0.2	61.3	46.9	61.4	0.2	61.3	47.1	61.4	0.2	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.6	0.2	61.4	61.7	0.3	61.4	61.6	0.2
A10	5	62.7	62.8	0.1	62.7	46.4	62.8	0.1	62.7	46.6	62.8	0.1	62.7	62.9	0.1	62.7	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.2	62.8	63.0	0.2	62.8	62.9	0.1
A10	10	64.1	64.2	0.1	64.1	44.5	64.2	0.0	64.1	44.8	64.2	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1
A10	top floor	65.5	65.5	0.0	65.5	42.4	65.6	0.0	65.6	42.9	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.7	0.0	65.6	65.7	0.1	65.7	65.7	0.0

Construction Nois

Exceed Le

Exceed 3 d

Exceed CE

3.0-21.6 Minimum l

CadnaA Receptor Sites	Elevation (floor)	Mercer																						LaGuardia								
		2022			2023			2024			2025			2026			2027			2028			2029			2030			2031		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
A1	at-grade	58.5	66.3	7.8	58.5	60.5	2.0	58.5	62.3	3.8	58.5	62.9	4.3	58.6	67.1	8.6	58.6	63.3	4.7	58.6	59.7	1.1	58.6	60.4	1.8	58.6	61.0	2.4	58.6	59.4	0.8
A1	3	59.9	78.5	18.5	59.9	71.3	11.4	60.0	74.7	14.7	60.0	75.1	15.2	60.0	81.9	21.9	60.0	75.7	15.7	60.0	61.3	1.3	60.0	62.1	2.1	60.0	63.0	3.0	60.0	61.0	1.0
A1	5	61.4	78.4	17.0	61.4	71.5	10.2	61.4	74.5	13.1	61.4	75.1	13.7	61.4	81.3	19.9	61.4	75.5	14.1	61.4	62.7	1.3	61.4	63.4	1.9	61.5	64.4	2.9	61.5	62.6	1.2
A1	10	62.8	76.6	13.8	62.8	70.7	7.9	62.8	73.7	10.9	62.8	74.7	11.9	62.8	79.2	16.4	62.9	74.5	11.7	62.9	64.1	1.2	62.9	64.9	2.1	62.9	65.7	2.8	62.9	64.0	1.1
A1	top floor	64.2	74.3	10.1	64.2	69.6	5.4	64.2	72.5	8.3	64.2	73.9	9.7	64.3	76.8	12.5	64.3	73.1	8.8	64.3	65.1	0.9	64.3	66.0	1.7	64.3	66.8	2.5	64.3	65.1	0.8
A2	at-grade	58.5	62.7	4.2	58.5	59.6	1.1	58.5	62.1	3.5	58.5	62.2	3.6	58.6	64.3	5.8	58.6	60.3	1.7	58.6	60.3	1.7	58.6	60.9	2.3	58.6	61.8	3.2	58.6	60.1	1.5
A2	3	59.9	78.1	18.1	59.9	71.5	11.6	60.0	77.4	17.4	60.0	77.8	17.8	60.0	81.2	21.3	60.0	70.9	10.9	60.0	62.0	2.0	60.0	62.7	2.7	60.0	64.0	4.0	60.0	61.8	1.8
A2	5	61.4	77.7	16.3	61.4	71.7	10.3	61.4	77.6	16.2	61.4	78.4	17.0	61.4	80.7	19.2	61.4	70.8	9.4	61.4	63.2	1.8	61.4	64.3	2.9	61.5	65.4	3.9	61.5	63.0	1.6
A2	10	62.8	75.8	13.0	62.8	70.9	8.1	62.8	76.1	13.3	62.8	77.4	14.5	62.8	78.7	15.9	62.9	70.4	7.5	62.9	64.8	1.9	62.9	65.7	2.9	62.9	66.9	4.0	62.9	64.8	1.9
A2	top floor	64.2	74.0	9.8	64.2	69.8	5.6	64.2	74.2	9.9	64.2	75.8	11.6	64.3	76.5	12.2	64.3	69.5	5.3	64.3	65.7	1.4	64.3	66.5	2.2	64.3	67.7	3.4	64.3	65.7	1.4
A3	at-grade	58.5	61.9	3.4	58.5	61.6	3.1	58.5	66.9	8.4	58.5	68.4	9.8	58.6	67.0	8.4	58.6	62.2	3.6	58.6	60.5	1.9	58.6	61.3	2.7	58.6	62.0	3.4	58.6	60.3	1.7
A3	3	59.9	74.6	14.7	59.9	70.7	10.7	60.0	77.1	17.1	60.0	79.4	19.4	60.0	75.8	15.8	60.0	69.9	9.9	60.0	62.5	2.5	60.0	63.2	3.2	60.0	64.6	4.6	60.0	62.3	2.3
A3	5	61.4	74.4	13.1	61.4	71.5	10.2	61.4	79.2	17.8	61.4	80.7	19.3	61.4	77.4	16.0	61.4	70.3	8.9	61.4	64.3	2.9	61.4	65.4	3.9	61.5	66.1	4.7	61.5	64.2	2.7
A3	10	62.8	73.5	10.7	62.8	70.7	7.9	62.8	77.1	14.2	62.8	78.7	15.9	62.8	76.3	13.5	62.9	69.9	7.1	62.9	65.3	2.4	62.9	66.4	3.6	62.9	67.3	4.4	62.9	65.2	2.3
A3	top floor	64.2	72.5	8.3	64.2	69.6	5.4	64.2	74.7	10.5	64.2	76.7	12.4	64.3	74.8	10.5	64.3	69.3	5.0	64.3	66.0	1.7	64.3	67.1	2.8	64.3	68.0	3.7	64.3	66.0	1.7
A4	at-grade	58.5	62.9	4.4	58.5	59.4	0.9	58.5	63.1	4.5	58.5	63.8	5.2	58.6	60.2	1.6	58.6	59.9	1.4	58.6	60.9	2.3	58.6	61.7	3.1	58.6	63.0	4.4	58.6	60.7	2.1
A4	3	59.9	69.2	9.3	59.9	70.8	10.8	60.0	79.1	19.1	60.0	80.7	20.8	60.0	73.1	13.1	60.0	71.9	11.9	60.0	63.5	3.5	60.0	64.3	4.2	60.0	66.2	6.2	60.0	63.4	3.4
A4	5	61.4	71.3	9.9	61.4	70.8	9.4	61.4	78.2	16.8	61.4	80.0	18.6	61.4	73.9	12.4	61.4	71.7	10.3	61.4	65.7	4.2	61.4	66.7	5.2	61.5	68.0	6.5	61.5	65.6	4.2
A4	10	62.8	71.4	8.6	62.8	70.0	7.2	62.8	76.3	13.5	62.8	78.2	15.4	62.8	73.4	10.6	62.9	70.7	7.8	62.9	66.1	3.3	62.9	67.5	4.6	62.9	68.6	5.8	62.9	66.1	3.2
A4	top floor	64.2	70.8	6.6	64.2	69.1	4.9	64.2	74.3	10.0	64.2	76.4	12.1	64.3	72.8	8.6	64.3	69.5	5.3	64.3	66.7	2.4	64.3	68.0	3.7	64.3	69.0	4.7	64.3	66.7	2.4
A5	at-grade	58.5	62.5	4.0	58.5	59.1	0.6	58.5	65.4	6.9	58.5	62.2	3.7	58.6	59.8	1.2	58.6	59.9	1.4	58.6	61.0	2.4	58.6	61.7	3.1	58.6	64.1	5.5	58.6	61.1	2.5
A5	3	59.9	65.4	5.4	59.9	68.7	8.8	60.0	78.1	18.1	60.0	77.8	17.8	60.0	70.6	10.6	60.0	72.3	12.3	60.0	66.7	6.7	60.0	67.7	7.7	60.0	69.3	9.3	60.0	67.1	7.0
A5	5	61.4	68.0	6.6	61.4	68.9	7.5	61.4	77.3	15.9	61.4	77.4	16.0	61.4	70.8	9.4	61.4	71.8	10.4	61.4	67.4	5.9	61.4	68.7	7.3	61.5	70.6	9.1	61.5	67.6	6.2
A5	10	62.8	69.0	6.2	62.8	68.4	5.6	62.8	74.7	11.9	62.8	76.2	13.4	62.8	70.9	8.1	62.9	70.4	7.6	62.9	67.5	4.7	62.9	69.6	6.7	62.9	70.5	7.6	62.9	67.7	4.8
A5	top floor	64.2	69.2	5.0	64.2	68.0	3.8	64.2	72.9	8.7	64.2	74.9	10.6	64.3	70.9	6.6	64.3	69.2	4.9	64.3	67.7	3.4	64.3	69.3	5.0	64.3	70.5	6.2	64.3	67.7	3.4
A6	at-grade	58.5	61.4	2.9	58.5	59.5	0.9	58.5	61.9	3.4	58.5	64.0	5.5	58.6	60.8	2.3	58.6	60.7	2.2	58.6	60.2	1.6	58.6	60.8	2.2	58.6	61.9	3.3	58.6	61.0	2.4
A6	3	59.9	63.6	3.6	59.9	65.3	5.4	60.0	70.4	10.5	60.0	73.9	13.9	60.0	68.6	8.7	60.0	68.6	8.6	60.0	69.5	9.5	60.0	71.8	11.8	60.0	72.9	12.9	60.0	70.5	10.5
A6	5	61.4	65.6	4.3	61.4	66.5	5.1	61.4	72.3	10.9	61.4	74.6	13.2	61.4	68.9	7.5	61.4	68.8	7.4	61.4	69.5	8.1	61.4	71.7	10.3	61.5	73.3	11.8	61.5	70.5	9.0
A6	10	62.8	67.0	4.2	62.8	66.7	3.9	62.8	72.1	9.2	62.8	74.0	11.2	62.8	69.2	6.3	62.9	68.5	5.6	62.9	69.2	6.4	62.9	71.0	8.1	62.9	72.8	9.9	62.9	70.0	7.1
A6	top floor	64.2	67.7	3.5	64.2	67.0	2.8	64.2	71.2	6.9	64.2	73.2	8.9	64.3	69.3	5.1	64.3	68.2	3.9	64.3	68.8	4.5	64.3	70.4	6.1	64.3	72.3	8.0	64.3	69.1	4.8
A7	at-grade	58.5	61.3	2.8	58.5	59.9	1.3	58.5	62.3	3.8	58.5	65.2	6.6	58.6	62.0	3.4	58.6	61.3	2.7	58.6	60.1	1.5	58.6	60.5	1.9	58.6	62.1	3.5	58.6	61.1	2.5
A7	3	59.9	63.1	3.2	59.9	62.9	3.0	60.0	66.5	6.5	60.0	69.5	9.5	60.0	66.7	6.7	60.0	65.0	5.0	60.0	72.1	12.1	60.0	73.2	13.2	60.0	76.3	16.3	60.0	74.6	14.5
A7	5	61.4	64.6	3.2	61.4	64.9	3.5	61.4	68.9	7.6	61.4	72.1	10.7	61.4	67.7	6.3	61.4	67.2	5.8	61.4	72.0	10.6	61.4	73.0	11.6	61.5	76.2	14.8	61.5	74.2	12.8
A7	10	62.8	66.3	3.5	62.8	65.8	3.0	62.8	70.2	7.4	62.8	72.3	9.5	62.8	68.1	5.3	62.9	67.4	4.5	62.9	71.1	8.2	62.9	72.2	9.4	62.9	75.1	12.2	62.9	72.6	9.7
A7	top floor	64.2	67.2	3.0	64.2	66.4	2.2	64.2	69.9	5.6	64.2	72.0	7.8	64.3	68.5	4.2	64.3	67.6	3.3	64.3	70.0	5.7	64.3	71.4	7.1	64.3	73.9	9.6	64.3	70.7	6.4
A8	at-grade	58.5	60.4	1.9	58.5	59.5	1.0	58.5	61.5	2.9	58.5	63.6	5.1	58.6	60.7	2.1	58.6	60.5	1.9	58.6	61.5	2.9	58.6	62.0	3.4	58.6	64.4	5.8	58.6	63.6	4.97
A8	3	59.9	62.2	2.2	59.9	61.7	1.7	60.0	64.0	4.0	60.0	67.2	7.2	60.0	64.0	4.0	60.0	63.1	3.1	60.0	74.7	14.6	60.0	74.9	14.9	60.0	79.1	19.0	60.0	78.2	18.1
A8	5	61.4	63.2	1.9	61.4	63.5	2.2	61.4	66.4	5.0	61.4	69.8	8.4	61.4	65.5	4.1	61.4	64.8	3.4	61.4	74.1	12.7	61.4	74.7	13.3	61.5	78.8	17.3	61.5	77.2	15.8
A8	10	62.8	65.1	2.3	62.8	64.8	2.0	62.8	67.4	4.6	62.8	70.3	7.5	62.8	66.1	3.2	62.9	66.0	3.2	62.9	72.4	9.5	62.9	73.5	10.6	62.9	77.1	14.2	62.9	74.3	11.4
A8	top floor	64.2	66.1	1.9	64.2	65.7	1.4	64.2	67.9	3.7	64.2	70.4	6.2	64.3	66.8	2.6	64.3	66.6	2.3	64.3	70.6	6.4	64.3	72.3	8.0	64.3	75.4	11.1	64.3	71.7	7.4
A9	at-grade	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.7	0.2	58.5	58.8	0.3	58.6	58.7	0.1	58.6	58.7	0.1	58.6	61.3	2.7	58.6	60.6	2.0	58.6	62.0	3.4	58.6	60.6	2.0
A9	3	59.9	60.1	0.1	59.9	60.0	0.1	60.0	60.1	0.1	60.0	60.2	0.2	60.0	60.1	0.2	60.0	60.2	0.2	60.0	71.6	11.6	60.0	73.0	13.0	60.0	74.3	14.2	60.0	69.6	9.6
A9	5	61.4	61.5	0.1	61.4	61.4	0.1	61.4	61.5	0.1	61.4	61.7	0.3	61.4	61.6	0.1	61.4	61.6	0.2	61.4	71.5	10.0	61.4	73.0	11.6	61.5	74.3	12.9	61.5	70.5	9.0
A9	10	62.8	62.9	0.1	62.8	62.9	0.0	62.8	62.9	0.1	62.8	63.1	0.2	62.8	62.9	0.1	62.9	63.0	0.1	62.9	70.4	7.6	62.9	72.1	9.2	62.9	73.8	10.9	62.9	69.4	6.5
A9	top floor	64.2	64.3	0.0	64.2	64.3	0.0	64.2	64.3	0.1	64.2	64.4	0.2	64.3	64.3	0.1	64.3	64.3	0.1	64.3	69.3	5.0	64.3	71.0	6.7	64.3	72.9	8.6	64.3	68.3	4.0
A10	at-grade	60.0	60.1	0.1	60.0	60.1	0.1	60.0	60.2	0.2	60.0	60.3	0.3	60.0	60.2	0.2	60.1	60.2	0.2	60.1	60.3	0.3	60.1	60.4	0.4	60.1	60.9	0.8	60.1	60.6	0.5
A10	3	61.4	61.5	0.1	61.4	61.5	0.1	61.4	61.6	0.2	61.4	61.7	0.2	61.5	61.6	0.2	61.5	61.6	0.1	61.5	62.0	0.5	61.5	62.7	1.2	61.5	63.0	1.5	61.5	62.5	0.9
A10	5	62.8	62.9	0.1	62.8	62.9	0.1	62.9	63.0	0.1	62.9	63.1	0.2	62.9	63.0	0.1	62.9	63.0	0.1	62.9	63.3	0.4	62.9	63.8	0.9	63.0	64.1	1.1	63.0	63.6	0.7
A10	10	64.3	64.3	0.1	64.3	64.3	0.0	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.4	64.6	0.2	64.4	64.9	0.5	64.4	65.1	0.7	64.4	64.8	0.4
A10	top floor	65.7	65.7	0.0	65.7	65.7	0.0	65.7	65.7	0.0	65.7	65.8	0.1	65.7	65.8	0.0	65.8	65.8	0.0	65.8	65.9	0.1	65.8	66.1	0.3	65.8	66.2	0.4	65.8	66.0	0.2

Construction Noise Results (Bleecker Building Staging Option 1)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3.0-21.6 Minimum Increase & Maximum Increase

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym					Zipper Tower																	Bleecker School								
		2013			2014				2015				2016			2017			2018			2019			2020			2021				
		NoBuild	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
A11	at-grade	58.9	59.2	0.3	58.9	46.5	59.2	0.2	58.9	46.7	59.2	0.3	58.9	59.3	0.3	59.0	59.3	0.3	59.0	59.2	0.3	59.0	59.3	0.3	59.0	59.3	0.3	59.0	59.3	0.3
A11	3	60.3	60.6	0.3	60.3	47.9	60.6	0.2	60.4	48.1	60.6	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3
A11	5	61.8	61.9	0.2	61.8	47.5	61.9	0.2	61.8	47.6	62.0	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.1	0.2	61.9	62.0	0.2
A11	10	63.2	63.3	0.1	63.2	45.8	63.3	0.1	63.2	46.0	63.3	0.1	63.2	63.3	0.1	63.2	63.4	0.1	63.3	63.3	0.1	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.4	0.1
A11	top floor	64.6	64.7	0.1	64.6	44.3	64.7	0.0	64.6	44.6	64.7	0.0	64.6	64.7	0.1	64.7	64.7	0.1	64.7	64.7	0.0	64.7	64.7	0.1	64.7	64.8	0.1	64.7	64.8	0.1
A12	at-garde	58.4	58.8	0.4	58.4	46.9	58.7	0.3	58.4	47.1	58.7	0.3	58.4	58.9	0.4	58.5	58.9	0.4	58.5	58.8	0.3	58.5	58.8	0.3	58.5	58.8	0.4	58.5	58.9	0.4
A12	3	59.8	60.2	0.4	59.8	48.4	60.1	0.3	59.9	48.5	60.2	0.3	59.9	60.3	0.4	59.9	60.3	0.4	59.9	60.2	0.3	59.9	60.2	0.3	59.9	60.3	0.3	59.9	60.3	0.4
A12	5	61.3	61.5	0.3	61.3	48.1	61.5	0.2	61.3	48.2	61.5	0.2	61.3	61.6	0.3	61.3	61.6	0.3	61.3	61.5	0.2	61.3	61.6	0.2	61.3	61.6	0.2	61.4	61.6	0.3
A12	10	62.7	62.8	0.2	62.7	47.0	62.8	0.1	62.7	47.2	62.8	0.1	62.7	62.9	0.2	62.7	62.9	0.2	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.2
A12	top floor	64.1	64.2	0.1	64.1	45.8	64.2	0.1	64.1	46.0	64.2	0.1	64.1	64.2	0.1	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1
A13	at-grade	58.5	59.1	0.6	58.5	48.3	58.9	0.4	58.5	48.4	58.9	0.4	58.5	59.1	0.5	58.6	59.1	0.6	58.6	59.0	0.4	58.6	59.0	0.4	58.6	59.0	0.4	58.6	59.2	0.6
A13	3	59.9	60.5	0.6	59.9	49.9	60.4	0.4	60.0	50.0	60.4	0.4	60.0	60.5	0.5	60.0	60.5	0.6	60.0	60.4	0.4	60.0	60.4	0.4	60.0	60.4	0.4	60.0	60.6	0.6
A13	5	61.4	61.8	0.5	61.4	50.2	61.7	0.3	61.4	50.3	61.7	0.3	61.4	61.8	0.4	61.4	61.8	0.4	61.4	61.8	0.3	61.4	61.8	0.3	61.4	61.8	0.3	61.5	61.9	0.5
A13	10	62.8	63.1	0.3	62.8	49.4	63.0	0.2	62.8	49.5	63.0	0.2	62.8	63.1	0.3	62.8	63.1	0.3	62.9	63.1	0.2	62.9	63.1	0.2	62.9	63.1	0.2	62.9	63.2	0.3
A13	top floor	64.2	64.4	0.2	64.2	48.1	64.3	0.1	64.2	48.2	64.3	0.1	64.2	64.4	0.1	64.3	64.4	0.2	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.5	0.2
A14	at-garde	58.9	59.7	0.8	58.9	50.6	59.5	0.6	58.9	50.7	59.5	0.6	58.9	59.7	0.8	59.0	59.8	0.8	59.0	59.6	0.6	59.0	59.6	0.6	59.0	59.6	0.6	59.0	59.8	0.8
A14	3	60.3	61.5	1.1	60.3	53.0	61.1	0.7	60.4	53.1	61.1	0.7	60.4	61.4	1.0	60.4	61.4	1.0	60.4	61.2	0.8	60.4	61.1	0.7	60.4	61.2	0.7	60.4	61.4	1.0
A14	5	61.8	62.7	1.0	61.8	52.9	62.3	0.5	61.8	53.0	62.3	0.5	61.8	62.5	0.7	61.8	62.6	0.8	61.8	62.4	0.6	61.8	62.3	0.5	61.8	62.4	0.5	61.9	62.8	0.9
A14	10	63.2	63.8	0.6	63.2	51.6	63.5	0.3	63.2	51.7	63.5	0.3	63.2	63.6	0.4	63.2	63.7	0.4	63.3	63.6	0.3	63.3	63.5	0.3	63.3	63.6	0.3	63.3	63.8	0.6
A14	top floor	64.6	64.9	0.3	64.6	49.8	64.8	0.1	64.6	50.1	64.8	0.2	64.6	64.9	0.2	64.7	64.9	0.2	64.7	64.8	0.2	64.7	64.8	0.1	64.7	64.8	0.1	64.7	65.0	0.3
A15	at-grade	60.5	63.9	3.4	60.5	54.6	61.5	1.0	60.5	55.4	61.7	1.2	60.5	62.8	2.2	60.6	63.3	2.7	60.6	61.7	1.1	60.6	61.3	0.7	60.6	61.3	0.7	60.6	63.5	2.9
A15	3	61.9	69.8	7.9	61.9	57.0	63.2	1.2	62.0	57.8	63.4	1.4	62.0	64.6	2.6	62.0	65.1	3.1	62.0	63.3	1.3	62.0	62.9	0.9	62.0	62.9	0.9	62.0	68.8	6.8
A15	5	63.4	71.9	8.5	63.4	57.0	64.3	0.9	63.4	58.4	64.6	1.2	63.4	65.7	2.3	63.4	66.0	2.6	63.4	64.4	1.0	63.4	64.1	0.6	63.4	64.1	0.6	63.5	71.6	8.2
A15	10	64.8	71.5	6.7	64.8	56.9	65.5	0.7	64.8	58.2	65.7	0.9	64.8	66.8	1.9	64.8	67.3	2.4	64.9	65.6	0.8	64.9	65.2	0.3	64.9	65.2	0.3	64.9	70.9	6.0
A15	top floor	66.2	70.8	4.6	66.2	56.1	66.6	0.4	66.2	57.7	66.8	0.6	66.2	68.0	1.7	66.3	68.5	2.3	66.3	66.9	0.7	66.3	66.4	0.2	66.3	66.5	0.2	66.3	70.1	3.8
B1	at-grade	58.4	62.3	3.9	58.4	49.9	59.0	0.6	58.4	50.0	59.0	0.6	58.4	60.3	1.9	58.5	60.6	2.1	58.5	59.4	0.9	58.5	59.0	0.5	58.5	59.1	0.6	58.5	61.0	2.5
B1	3	59.8	74.5	14.7	59.8	52.4	60.6	0.7	59.9	52.8	60.6	0.8	59.9	61.8	1.9	59.9	62.1	2.2	59.9	60.9	1.0	59.9	60.6	0.7	59.9	60.6	0.7	59.9	71.6	11.7
B1	5	61.3	74.4	13.2	61.3	52.7	61.8	0.6	61.3	52.9	61.9	0.6	61.3	62.9	1.6	61.3	63.3	2.0	61.3	62.2	0.8	61.3	61.8	0.5	61.3	61.8	0.5	61.4	71.6	10.3
B1	10	62.7	73.3	10.6	62.7	51.9	63.1	0.3	62.7	52.1	63.1	0.4	62.7	64.2	1.5	62.7	64.5	1.7	62.8	63.4	0.6	62.8	63.0	0.3	62.8	63.1	0.3	62.8	71.0	8.2
B1	top floor	64.1	71.8	7.7	64.1	50.6	64.3	0.2	64.1	50.9	64.3	0.2	64.1	65.1	0.9	64.2	65.2	1.1	64.2	64.5	0.4	64.2	64.3	0.1	64.2	64.3	0.2	64.2	70.1	5.9
B2	at-grade	58.4	61.2	2.8	58.4	44.0	58.6	0.2	58.4	44.4	58.6	0.2	58.4	59.5	1.1	58.5	59.7	1.2	58.5	58.8	0.4	58.5	58.6	0.2	58.5	58.7	0.2	58.5	60.6	2.1
B2	3	59.8	73.2	13.4	59.8	45.4	60.0	0.2	59.9	45.8	60.0	0.2	59.9	60.8	0.9	59.9	60.9	1.0	59.9	60.2	0.3	59.9	60.1	0.2	59.9	60.2	0.3	59.9	71.9	12.0
B2	5	61.3	73.0	11.7	61.3	46.3	61.4	0.1	61.3	46.6	61.4	0.1	61.3	62.0	0.7	61.3	62.1	0.8	61.3	61.6	0.3	61.3	61.5	0.1	61.3	61.5	0.2	61.4	71.8	10.5
B2	10	62.7	72.2	9.5	62.7	48.7	62.9	0.2	62.7	49.0	62.9	0.2	62.7	63.3	0.6	62.7	63.4	0.6	62.8	63.0	0.3	62.8	62.9	0.2	62.8	63.0	0.2	62.8	71.0	8.2
B2	top floor	64.1	71.1	7.0	64.1	47.9	64.2	0.1	64.1	48.2	64.2	0.1	64.1	64.5	0.4	64.2	64.6	0.4	64.2	64.3	0.2	64.2	64.3	0.1	64.2	64.3	0.1	64.2	70.0	5.8
B3	at-grade	58.4	63.8	5.4	58.4	42.0	58.5	0.1	58.4	42.8	58.6	0.1	58.4	59.3	0.8	58.5	59.4	0.9	58.5	58.7	0.3	58.5	58.6	0.2	58.5	58.7	0.2	58.5	63.1	4.6
B3	3	59.8	70.4	10.6	59.8	42.8	59.9	0.1	59.9	43.6	60.0	0.1	59.9	60.5	0.7	59.9	60.6	0.7	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.2	0.3	59.9	70.0	10.0
B3	5	61.3	70.5	9.3	61.3	43.2	61.3	0.1	61.3	44.0	61.4	0.1	61.3	61.8	0.5	61.3	61.9	0.6	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.5	0.1	61.4	70.1	8.8
B3	10	62.7	70.2	7.6	62.7	44.2	62.8	0.1	62.7	44.9	62.8	0.1	62.7	63.1	0.4	62.7	63.1	0.4	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.1	62.8	69.7	6.9
B3	top floor	64.1	69.8	5.7	64.1	46.3	64.2	0.1	64.1	46.8	64.2	0.1	64.1	64.4	0.3	64.2	64.4	0.3	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	69.2	5.0
B4	at-grade	58.4	62.2	3.8	58.4	40.8	58.5	0.1	58.4	42.1	58.5	0.1	58.4	59.0	0.6	58.5	59.1	0.6	58.5	58.7	0.2	58.5	58.6	0.2	58.5	58.7	0.3	58.5	61.9	3.4
B4	3	59.8	66.2	6.3	59.8	41.2	59.9	0.1	59.9	42.5	59.9	0.1	59.9	60.3	0.5	59.9	60.4	0.5	59.9	60.1	0.2	59.9	60.0	0.1	59.9	60.1	0.2	59.9	65.5	5.6
B4	5	61.3	68.5	7.3	61.3	41.5	61.3	0.0	61.3	42.7	61.3	0.1	61.3	61.6	0.3	61.3	61.7	0.4	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.1	61.4	67.8	6.5
B4	10	62.7	68.6	5.9	62.7	42.2	62.7	0.0	62.7	43.3	62.8	0.0	62.7	63.0	0.2	62.7	63.0	0.3	62.8	62.8	0.1	62.8	62.8	0.1	62.8	62.9	0.1	62.8	68.3	5.5
B4	top floor	64.1	68.5	4.4	64.1	44.2	64.2	0.0	64.1	44.9	64.2	0.1	64.1	64.3	0.2	64.2	64.4	0.2	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	68.3	4.1
B5	at-grade	58.4	61.6	3.2	58.4	39.1	58.5	0.1	58.4	41.1	58.5	0.1	58.4	58.8	0.4	58.5	58.9	0.4	58.5	58.7	0.2	58.5	58.7	0.2	58.5	58.9	0.4	58.5	61.2	2.7
B5	3	59.8	64.1	4.2	59.8	39.5	59.9	0.0	59.9	41.4	59.9	0.1	59.9	60.2	0.3	59.9	60.2	0.3	59.9	60.0	0.2	59.9	60.1	0.2	59.9	60.2	0.3	59.9	63.5	3.6
B5	5	61.3	66.3	5.0	61.3	39.6	61.3	0.0	61.3	41.5	61.3	0.0	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.5	0.1	61.3	61.5	0.2	61.4	65.5	4.2
B5	10	62.7	66.9	4.2	62.7	40.1	62.7	0.0	62.7	41.8	62.8	0.0	62.7	62.9	0.2	62.7	62.9	0.2	62.8	62.8	0.1	62.8	62.9	0.1	62.8	62.9	0.1	62.8	66.7	3.9
B5	top floor	64.1	67.3	3.2	64.1	40.7	64.1	0.0	64.1	42.1	64.2	0.0	64.1	64.3	0.1	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	67.1	2.9
B6	at-grade	58.4	61.0	2.6	58.4	38.1	58.5	0.0	58.4	40.5	58.5	0.1	58.4	58.8	0.4	58.5	58.8	0.4	58.5	58.7	0.2	58.5	58.8	0.3	58.5	59.0	0.5	58.5	60.7	2.2
B6	3	59.8	62.9	3.1	59.8	38.6	59.9	0.0	59.9	41.3	59.9	0.1	59.9	60.1	0.3	59.9	60.2	0.3	59.9	60.1	0.2	59.9	60.2	0.3	59.9	60.3	0.4	59.9	62.5	2.6
B6	5	61.3	64.2	2.9	61.3	39.0	61.3	0.0	61.3	41.2	61.3	0.0	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.5	0.2	61.3	61.7	0.3	61.4	63.7	2.4
B6	10	62.7	65.9	3.2	62.7	39.0	62.7	0.0	62.7	41.5	62.8	0.0	62.7	62.8	0.1	62.7	62.9	0.1	62.8	62.8	0.1	62.8	62.9	0.1	62.8	63.0	0.2	62.8	65.5	2.7
B6	top floor	64.1	66.5	2.4	64.1	38.9	64.1	0.0	64.1	41.2	64.2	0.0	64.1	64.2	0.1	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	66.3	2.1
B7	at-grade	58.4	60.6	2.2	58.4	37.3	58.5	0.0	58.4	39.9	58.5	0.1	58.4	58.7	0.3	58.5	58.8	0.3	58.5	58.7	0.2	58.5	58.9	0.4	58.5	59.1	0.6	58.5	60.4	1.9
B7	3	59.8	62.4	2.6	59.8	38.1	59.9	0.0	59.9	40.6	59.9	0.1	59.9	60.1	0.2	59.9	60.1	0.3	59.9	60.1	0.2	59.9	60.2	0.3	59.9	60.4	0.5	59.9	62.0	2.1
B7	5	61.3	63.4	2.2	61.3	38.2	61.3	0.0	61.3	40.6	61.3	0.0	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.6	0.2	61.3	61.7	0.4	61.4	63.2	1.8
B7	10	62.7	65.3	2.6	62.7	38.3	62.7	0.0	62.7	40.9	62.7	0.0	62.7	62.8	0.1	62.7	62.9	0.1	62.8	62.8	0.1	62.8	62.9	0.2	62.8	63.1	0.3	62.8	65.0	2.2
B7	top floor	64.1	66.1	2.0	64.1	38.4	64.1	0.0	64.1	40.6	64.2	0.0	64.1	64.2	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.4	0.2	64.2	66.0	1.8

Construction Nois

Exceed Le

Exceed 3 d

Exceed CE

3.0-21.6 Minimum l

CadnaA Receptor Sites	Elevation (floor)	Mercer																						LaGuardia								
		2022			2023			2024			2025			2026			2027			2028			2029			2030			2031		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
A11	at-grade	59.0	59.2	0.2	59.0	59.2	0.2	59.0	59.4	0.3	59.0	59.5	0.4	59.1	59.3	0.3	59.1	59.3	0.3	59.1	59.4	0.3	59.1	59.5	0.4	59.1	60.0	0.9	59.1	59.7	0.6
A11	3	60.4	60.6	0.2	60.4	60.6	0.2	60.5	60.8	0.3	60.5	60.9	0.4	60.5	60.7	0.2	60.5	60.7	0.2	60.5	60.8	0.3	60.5	60.9	0.4	60.5	61.3	0.8	60.5	61.1	0.5
A11	5	61.9	62.0	0.1	61.9	62.0	0.1	61.9	62.1	0.2	61.9	62.2	0.3	61.9	62.1	0.2	61.9	62.1	0.2	61.9	62.1	0.2	61.9	62.3	0.3	62.0	62.5	0.6	62.0	62.3	0.4
A11	10	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.5	0.2	63.3	63.4	0.1	63.4	63.5	0.1	63.4	63.5	0.1	63.4	63.6	0.2	63.4	63.8	0.4	63.4	63.6	0.2
A11	top floor	64.7	64.8	0.1	64.7	64.8	0.0	64.7	64.8	0.1	64.7	64.9	0.1	64.8	64.8	0.1	64.8	64.8	0.1	64.8	64.8	0.1	64.8	64.9	0.1	64.8	65.0	0.2	64.8	64.9	0.1
A12	at-garde	58.5	58.9	0.4	58.5	58.8	0.3	58.5	59.4	0.9	58.5	59.6	1.0	58.6	59.1	0.6	58.6	59.0	0.5	58.6	58.8	0.2	58.6	58.9	0.3	58.6	59.1	0.5	58.6	59.0	0.4
A12	3	59.9	60.3	0.4	59.9	60.2	0.3	60.0	60.7	0.7	60.0	60.8	0.8	60.0	60.5	0.5	60.0	60.4	0.4	60.0	60.2	0.2	60.0	60.3	0.3	60.0	60.5	0.4	60.0	60.3	0.3
A12	5	61.4	61.6	0.3	61.4	61.6	0.2	61.4	61.9	0.5	61.4	62.0	0.6	61.4	61.8	0.4	61.4	61.7	0.3	61.4	61.6	0.2	61.4	61.6	0.2	61.5	61.8	0.3	61.5	61.7	0.2
A12	10	62.8	63.0	0.2	62.8	62.9	0.1	62.8	63.1	0.3	62.8	63.2	0.4	62.8	63.1	0.2	62.9	63.0	0.2	62.9	63.0	0.1	62.9	63.0	0.1	62.9	63.1	0.2	62.9	63.0	0.1
A12	top floor	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.4	0.2	64.2	64.5	0.2	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.3	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1
A13	at-grade	58.6	59.4	0.8	58.6	59.1	0.4	58.6	59.5	0.9	58.6	59.7	1.1	58.7	60.0	1.3	58.7	59.4	0.7	58.7	59.0	0.3	58.7	59.0	0.3	58.7	59.1	0.4	58.7	59.0	0.3
A13	3	60.0	60.9	0.8	60.0	60.5	0.4	60.1	60.8	0.8	60.1	61.0	0.9	60.1	61.3	1.2	60.1	60.8	0.7	60.1	60.4	0.3	60.1	60.4	0.3	60.1	60.5	0.4	60.1	60.5	0.3
A13	5	61.5	62.1	0.7	61.5	61.8	0.3	61.5	62.1	0.6	61.5	62.2	0.7	61.5	62.4	0.9	61.5	62.1	0.5	61.5	61.8	0.2	61.5	61.8	0.3	61.6	61.9	0.3	61.6	61.8	0.3
A13	10	62.9	63.3	0.4	62.9	63.1	0.2	62.9	63.3	0.4	62.9	63.4	0.4	62.9	63.5	0.6	63.0	63.3	0.4	63.0	63.1	0.2	63.0	63.1	0.2	63.0	63.2	0.2	63.0	63.2	0.2
A13	top floor	64.3	64.5	0.2	64.3	64.4	0.1	64.3	64.5	0.2	64.3	64.6	0.3	64.4	64.7	0.3	64.4	64.6	0.2	64.4	64.5	0.1	64.4	64.5	0.1	64.4	64.5	0.1	64.4	64.5	0.1
A14	at-garde	59.0	61.2	2.2	59.0	59.5	0.5	59.0	59.9	0.8	59.0	59.9	0.9	59.1	61.0	1.9	59.1	59.9	0.8	59.1	59.6	0.5	59.1	59.6	0.5	59.1	59.7	0.6	59.1	59.6	0.5
A14	3	60.4	62.8	2.4	60.4	61.3	0.8	60.5	61.5	1.0	60.5	61.5	1.0	60.5	63.0	2.5	60.5	62.0	1.5	60.5	61.1	0.6	60.5	61.2	0.6	60.5	61.2	0.7	60.5	61.2	0.6
A14	5	61.9	63.7	1.8	61.9	62.5	0.6	61.9	62.6	0.8	61.9	62.7	0.8	61.9	63.8	1.9	61.9	63.1	1.1	61.9	62.4	0.4	61.9	62.4	0.5	62.0	62.5	0.5	62.0	62.4	0.5
A14	10	63.3	64.4	1.1	63.3	63.7	0.4	63.3	63.8	0.5	63.3	63.8	0.5	63.3	64.6	1.2	63.4	64.1	0.7	63.4	63.6	0.3	63.4	63.6	0.3	63.4	63.7	0.3	63.4	63.6	0.3
A14	top floor	64.7	65.3	0.6	64.7	64.9	0.2	64.7	65.0	0.3	64.7	65.0	0.3	64.8	65.4	0.7	64.8	65.2	0.4	64.8	64.9	0.1	64.8	64.9	0.1	64.8	64.9	0.1	64.8	64.9	0.1
A15	at-grade	60.6	74.0	13.4	60.6	61.8	1.2	60.6	65.4	4.7	60.6	61.3	0.6	60.7	72.3	11.7	60.7	66.3	5.6	60.7	61.4	0.7	60.7	61.4	0.7	60.7	61.4	0.7	60.7	61.4	0.7
A15	3	62.0	75.7	13.7	62.0	67.8	5.8	62.1	67.8	5.7	62.1	63.2	1.2	62.1	76.6	14.5	62.1	73.4	11.3	62.1	62.9	0.8	62.1	63.0	0.8	62.1	63.0	0.9	62.1	63.0	0.8
A15	5	63.5	75.3	11.8	63.5	68.3	4.8	63.5	68.1	4.6	63.5	64.5	1.0	63.5	76.3	12.8	63.5	73.5	9.9	63.5	64.1	0.6	63.5	64.2	0.6	63.6	64.2	0.6	63.6	64.1	0.6
A15	10	64.9	73.6	8.7	64.9	68.2	3.3	64.9	68.1	3.2	64.9	65.7	0.7	64.9	75.0	10.1	65.0	72.9	7.9	65.0	65.3	0.3	65.0	65.3	0.3	65.0	65.3	0.4	65.0	65.3	0.3
A15	top floor	66.3	72.1	5.8	66.3	68.3	1.9	66.3	68.1	1.8	66.3	66.8	0.5	66.4	73.4	7.1	66.4	72.1	5.7	66.4	66.6	0.2	66.4	66.6	0.2	66.4	66.6	0.2	66.4	66.6	0.2
B1	at-grade	58.5	63.3	4.8	58.5	59.7	1.2	58.5	60.2	1.7	58.5	62.8	4.3	58.6	61.1	2.6	58.6	62.2	3.7	58.6	60.1	1.5	58.6	60.2	1.6	58.6	61.7	3.1	58.6	60.1	1.5
B1	3	59.9	70.7	10.7	59.9	70.2	10.3	60.0	70.8	10.8	60.0	74.9	15.0	60.0	73.5	13.5	60.0	75.4	15.4	60.0	61.8	1.8	60.0	62.3	2.2	60.0	63.8	3.8	60.0	61.8	1.8
B1	5	61.4	72.4	11.0	61.4	70.1	8.7	61.4	71.0	9.6	61.4	74.9	13.5	61.4	73.9	12.4	61.4	75.1	13.7	61.4	62.9	1.4	61.4	63.3	1.8	61.5	65.0	3.5	61.5	63.0	1.6
B1	10	62.8	72.1	9.3	62.8	69.5	6.7	62.8	70.8	8.0	62.8	74.5	11.7	62.8	74.1	11.3	62.9	73.5	10.6	62.9	64.4	1.5	62.9	64.5	1.6	62.9	66.2	3.3	62.9	64.4	1.5
B1	top floor	64.2	71.4	7.2	64.2	68.8	4.6	64.2	70.5	6.2	64.2	73.8	9.6	64.3	73.5	9.2	64.3	71.8	7.6	64.3	65.3	1.0	64.3	65.6	1.3	64.3	67.1	2.8	64.3	65.4	1.1
B2	at-grade	58.5	63.0	4.5	58.5	59.5	1.0	58.5	60.2	1.6	58.5	62.8	4.3	58.6	60.3	1.7	58.6	60.7	2.1	58.6	60.2	1.6	58.6	61.0	2.4	58.6	62.4	3.8	58.6	60.2	1.6
B2	3	59.9	71.2	11.3	59.9	71.1	11.2	60.0	72.5	12.5	60.0	78.7	18.7	60.0	73.3	13.3	60.0	73.8	13.8	60.0	61.9	1.9	60.0	62.8	2.8	60.0	64.5	4.5	60.0	61.9	1.9
B2	5	61.4	72.0	10.6	61.4	70.8	9.4	61.4	72.5	11.2	61.4	78.5	17.1	61.4	73.3	11.9	61.4	73.6	12.2	61.4	63.2	1.8	61.4	64.6	3.1	61.5	66.1	4.7	61.5	63.3	1.8
B2	10	62.8	71.8	9.0	62.8	70.0	7.2	62.8	72.2	9.4	62.8	77.4	14.5	62.8	73.0	10.2	62.9	72.3	9.5	62.9	64.7	1.9	62.9	65.9	3.1	62.9	67.7	4.8	62.9	65.1	2.2
B2	top floor	64.2	71.2	7.0	64.2	69.2	5.0	64.2	71.6	7.4	64.2	75.8	11.6	64.3	72.8	8.6	64.3	70.9	6.6	64.3	65.6	1.4	64.3	66.7	2.4	64.3	68.2	3.9	64.3	65.9	1.6
B3	at-grade	58.5	62.6	4.1	58.5	59.7	1.2	58.5	60.9	2.4	58.5	65.9	7.3	58.6	60.5	2.0	58.6	61.1	2.6	58.6	60.5	1.9	58.6	61.4	2.8	58.6	62.7	4.1	58.6	59.8	1.2
B3	3	59.9	69.2	9.3	59.9	70.0	10.0	60.0	72.8	12.9	60.0	81.5	21.6	60.0	71.6	11.6	60.0	72.0	12.0	60.0	62.4	2.4	60.0	63.5	3.5	60.0	65.2	5.2	60.0	61.6	1.6
B3	5	61.4	70.6	9.3	61.4	69.9	8.6	61.4	72.9	11.5	61.4	80.9	19.5	61.4	71.7	10.3	61.4	71.9	10.5	61.4	64.2	2.8	61.4	65.5	4.1	61.5	67.3	5.9	61.5	63.6	2.1
B3	10	62.8	70.7	7.9	62.8	69.5	6.7	62.8	72.6	9.8	62.8	78.8	16.0	62.8	71.6	8.8	62.9	71.3	8.4	62.9	65.2	2.3	62.9	66.5	3.7	62.9	68.7	5.8	62.9	65.1	2.2
B3	top floor	64.2	70.3	6.1	64.2	68.8	4.6	64.2	71.8	7.6	64.2	76.7	12.4	64.3	71.8	7.5	64.3	70.3	6.1	64.3	66.0	1.7	64.3	67.2	2.9	64.3	69.1	4.8	64.3	65.8	1.5
B4	at-grade	58.5	62.2	3.7	58.5	59.2	0.6	58.5	60.9	2.4	58.5	64.0	5.5	58.6	59.6	1.0	58.6	60.2	1.6	58.6	60.8	2.3	58.6	61.8	3.2	58.6	63.8	5.2	58.6	60.5	1.9
B4	3	59.9	67.9	7.9	59.9	68.6	8.7	60.0	74.5	14.5	60.0	80.5	20.6	60.0	69.9	9.9	60.0	72.2	12.2	60.0	63.2	3.2	60.0	64.4	4.4	60.0	67.1	7.1	60.0	63.0	3.0
B4	5	61.4	69.3	7.9	61.4	68.8	7.4	61.4	74.1	12.7	61.4	80.1	18.7	61.4	70.0	8.6	61.4	72.0	10.6	61.4	65.4	3.9	61.4	66.7	5.3	61.5	69.1	7.7	61.5	64.9	3.5
B4	10	62.8	69.5	6.7	62.8	68.7	5.9	62.8	73.0	10.2	62.8	78.4	15.6	62.8	70.4	7.6	62.9	71.2	8.3	62.9	65.9	3.1	62.9	67.7	4.8	62.9	70.4	7.6	62.9	66.1	3.2
B4	top floor	64.2	69.4	5.2	64.2	68.3	4.1	64.2	71.9	7.7	64.2	76.6	12.3	64.3	70.6	6.3	64.3	70.2	5.9	64.3	66.5	2.2	64.3	68.2	3.9	64.3	70.5	6.2	64.3	66.5	2.2
B5	at-grade	58.5	62.0	3.5	58.5	63.9	5.4	58.5	74.2	15.7	58.5	74.8	16.3	58.6	64.1	5.6	58.6	70.3	11.7	58.6	60.9	2.3	58.6	61.7	3.1	58.6	65.3	6.7	58.6	61.1	2.5
B5	3	59.9	64.7	4.7	59.9	66.6	6.7	60.0	75.4	15.5	60.0	77.5	17.5	60.0	67.8	7.8	60.0	72.5	12.5	60.0	66.4	6.4	60.0	68.3	8.3	60.0	71.3	11.3	60.0	66.4	6.4
B5	5	61.4	67.1	5.7	61.4	67.1	5.8	61.4	74.2	12.8	61.4	77.2	15.8	61.4	68.1	6.7	61.4	72.0	10.6	61.4	67.2	5.8	61.4	69.6	8.2	61.5	73.6	12.1	61.5	68.3	6.8
B5	10	62.8	67.8	5.0	62.8	67.4	4.6	62.8	72.4	9.6	62.8	76.1	13.3	62.8	69.0	6.2	62.9	70.7	7.8	62.9	67.4	4.5	62.9	69.9	7.0	62.9	73.1	10.2	62.9	68.1	5.3
B5	top floor	64.2	68.1	3.9	64.2	67.4	3.2	64.2	71.3	7.0	64.2	74.9	10.6	64.3	69.4	5.1	64.3	69.5	5.3	64.3	67.5	3.2	64.3	69.6	5.3	64.3	72.5	8.2	64.3	67.8	3.5
B6	at-grade	58.5	61.5	3.0	58.5	59.4	0.9	58.5	61.5	2.9	58.5	64.0	5.4	58.6	60.0	1.4	58.6	61.0	2.4	58.6	59.9	1.3	58.6	61.4	2.8	58.6	63.4	4.8	58.6	61.0	2.4
B6	3	59.9	63.5	3.6	59.9	64.7	4.8	60.0	69.0	9.0	60.0	73.7	13.7	60.0	66.8	6.8	60.0	68.1	8.1	60.0	69.4	9.4	60.0	72.0	12.0	60.0	77.0	17.0	60.0	72.1	12.1
B6	5	61.4	65.5	4.1	61.4	65.7	4.3	61.4	70.8	9.4	61.4	74.0	12.6	61.4	67.2	5.8	61.4	68.9	7.4	61.4	69.4	8.0	61.4	72.3	10.8	61.5	76.9	15.5	61.5	71.8	10.4
B6	10	62.8	66.6	3.8	62.8	66.2	3.4	62.8	70.4	7.6	62.8	73.7	10.8	62.8	67.6	4.8	62.9	68.6	5.8	62.9	69.0	6.1	62.9	71.8	8.9	62.9	75.6	12.8	62.9	70.5	7.6
B6	top floor	64.2	67.3	3.1	64.2	66.6	2.4	64.2	70.0	5.7	64.2	73.1	8.9	64.3	68.3	4.0	64.3	68.4	4.1	64.3	68.6	4.3	64.3	71.1	6.8	64.3	74.2	9.9	64.3	69.3	5.0
B7	at-grade	58.5	61.1	2.6	58.5	59.8	1.3	58.5	61.9	3.4	58.5	65.0	6.5	58.6	61.3	2.7	58.6	61.3	2.7	58.6	59.8	1.2	58.6	61.3	2.7	58.6	63.2	4.6	58.6	61.0	2.4
B7	3	59.9	62.9	2.9	59.9	62.8	2.9	60.0	65.8	5.8	60.0	69.6	9.6	60.0	65.6	5.6	60.0	65.0	5.0	60.0	71.5	11.5	60.0	74.7	14.7	60.0	78.9	18.8	60.0	74.7	14.7
B7	5	61.4	64.3	2.9	61.4	64.7	3.3	61.4	68.3	6.9	61.4	72.2	10.8	61.4	66.6	5.2	61.4	67.3	5.9	61.4	71.3	9.8	61.4	74.7	13.3	61.5	78.8	17.3	61.5	74.2	12.8
B7	10	62.8	66.0	3.2	62.8	65.6	2.8	62.8	69.3	6.5	62.8	72.3	9.5	62.8	67.2	4.3	62.9	67.5	4.6	62.9	70.4	7.5	62.9	73.6	10.7	62.9	77.2	14.3	62.9	72.3	9.4
B7	top floor	64.2	66.8	2.6	64.2	66.2	2.0	64.2	69.2	4.9	64.2	72.0	7.8	64.3	67.8	3.5	64.3	67.6	3.3	64.3	69.4	5.1	64.3	72.3	8.1	64.3	75.5	11.2	64.3	70.4	6.1

Construction Noise Results (Bleecker Building Staging Option 1)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3.0-21.6 Minimum Increase & Maximum Increase

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym					Zipper Tower																	Bleecker School								
		2013			2014				2015				2016			2017			2018			2019			2020			2021				
		NoBuild	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change		
B8	at-grade	58.4	60.2	1.8	58.4	36.6	58.4	0.0	58.4	39.6	58.5	0.1	58.4	58.7	0.2	58.4	58.7	0.2	58.4	58.7	0.2	58.4	58.9	0.5	58.4	59.2	0.8	58.5	60.0	1.6		
B8	3	59.8	61.8	1.9	59.8	37.3	59.9	0.0	59.8	40.8	59.9	0.1	59.8	60.1	0.3	59.9	60.1	0.3	59.9	60.1	0.2	59.9	60.3	0.4	59.9	60.5	0.7	59.9	61.5	1.6		
B8	5	61.3	62.8	1.6	61.3	37.1	61.3	0.0	61.3	39.9	61.3	0.0	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.8	0.5	61.3	62.4	1.1	61.3	63.2	1.9	61.3	63.1	1.8		
B8	10	62.7	64.6	1.9	62.7	37.4	62.7	0.0	62.7	40.4	62.7	0.0	62.7	62.8	0.1	62.7	62.8	0.1	62.7	63.2	0.5	62.7	63.7	1.0	62.7	64.2	1.5	62.7	64.7	1.9		
B8	top floor	64.1	65.6	1.5	64.1	37.5	64.1	0.0	64.1	40.4	64.1	0.0	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.4	0.3	64.1	64.8	0.6	64.1	65.1	1.0	64.2	65.6	1.5		
B9	at-grade	58.9	59.1	0.2	58.9	46.1	59.1	0.2	58.9	46.9	59.2	0.3	58.9	59.4	0.4	59.0	59.4	0.4	59.0	61.8	2.9	59.0	63.9	4.9	59.0	65.4	6.4	59.0	62.4	3.4		
B9	3	60.3	60.6	0.3	60.3	48.4	60.6	0.3	60.4	49.3	60.7	0.3	60.4	60.9	0.6	60.4	60.9	0.5	60.4	65.8	5.4	60.4	68.6	8.2	60.4	70.6	10.2	60.4	66.8	6.4		
B9	5	61.8	62.0	0.2	61.8	48.1	62.0	0.2	61.8	48.4	62.0	0.2	61.8	62.1	0.3	61.8	62.1	0.3	61.8	68.8	7.0	61.8	71.9	10.1	61.8	74.0	12.1	61.9	70.0	8.2		
B9	10	63.2	63.3	0.1	63.2	47.0	63.3	0.1	63.2	47.6	63.3	0.1	63.2	63.4	0.2	63.2	63.4	0.2	63.3	69.0	5.8	63.3	72.2	8.9	63.3	73.9	10.6	63.3	69.6	6.4		
B9	top floor	64.6	64.7	0.1	64.6	45.9	64.7	0.1	64.6	46.9	64.7	0.1	64.6	64.8	0.1	64.7	64.8	0.1	64.7	68.6	3.9	64.7	71.3	6.6	64.7	73.2	8.5	64.7	69.1	4.4		
B10	at-grade	59.8	60.6	0.8	59.8	54.3	60.9	1.1	59.8	55.4	61.2	1.3	59.8	62.9	3.1	59.8	62.7	2.9	59.8	63.6	3.8	59.8	65.6	5.8	59.8	65.1	5.2	59.9	62.2	2.3		
B10	3	61.2	61.9	0.7	61.2	55.7	62.3	1.1	61.2	56.7	62.5	1.3	61.2	64.5	3.3	61.3	64.3	3.1	61.3	68.6	7.3	61.3	71.7	10.4	61.3	72.1	10.8	61.3	67.4	6.1		
B10	5	62.7	63.1	0.4	62.7	55.8	63.5	0.8	62.7	57.0	63.7	1.0	62.7	65.5	2.8	62.7	65.4	2.7	62.7	71.9	9.2	62.7	75.3	12.6	62.7	74.9	12.2	62.7	69.7	7.0		
B10	10	64.1	64.3	0.2	64.1	56.2	64.7	0.7	64.1	57.8	65.0	0.9	64.1	67.2	3.1	64.1	67.0	2.9	64.1	71.3	7.2	64.1	74.6	10.5	64.1	74.2	10.1	64.1	69.1	5.0		
B10	top floor	65.5	65.6	0.1	65.5	56.2	66.0	0.5	65.5	58.2	66.3	0.7	65.5	68.1	2.5	65.5	67.8	2.3	65.5	70.4	4.9	65.5	73.3	7.8	65.5	74.0	8.4	65.6	68.6	3.1		
B11	at-grade	63.4	63.9	0.5	63.4	54.8	64.0	0.6	63.4	55.7	64.1	0.7	63.4	65.4	2.0	63.5	65.4	1.9	63.5	65.5	2.0	63.5	66.7	3.2	63.5	65.4	1.9	63.5	64.1	0.6		
B11	3	63.3	63.8	0.5	63.3	55.7	64.0	0.7	63.3	56.6	64.1	0.8	63.3	66.2	2.9	63.3	66.1	2.8	63.3	68.5	5.1	63.4	71.0	7.7	63.4	68.8	5.4	63.4	64.1	0.7		
B11	5	63.2	63.6	0.4	63.2	56.5	64.0	0.8	63.2	57.7	64.3	1.1	63.2	66.4	3.2	63.2	66.3	3.0	63.2	70.9	7.7	63.3	74.3	11.0	63.3	71.5	8.2	63.3	64.1	0.8		
B11	10	63.1	63.3	0.3	63.1	56.2	63.9	0.8	63.1	58.0	64.3	1.2	63.1	67.5	4.4	63.1	67.3	4.2	63.1	70.4	7.3	63.2	73.6	10.5	63.2	71.3	8.2	63.2	63.8	0.7		
B11	top floor	62.9	63.1	0.2	62.9	56.5	63.8	0.9	62.9	58.8	64.4	1.4	62.9	67.7	4.7	63.0	67.4	4.5	63.0	69.3	6.3	63.0	72.3	9.4	63.0	71.5	8.5	63.0	63.5	0.5		
B12	at-grade	63.4	63.7	0.3	63.4	53.9	63.9	0.5	63.4	54.9	64.0	0.6	63.4	65.6	2.1	63.5	65.5	2.1	63.5	65.1	1.6	63.5	66.0	2.5	63.5	65.3	1.8	63.5	63.9	0.4		
B12	3	63.3	63.7	0.4	63.3	55.5	64.0	0.7	63.3	56.4	64.1	0.8	63.3	66.5	3.2	63.3	66.4	3.1	63.3	67.3	3.9	63.4	69.1	5.8	63.4	68.0	4.7	63.4	63.9	0.5		
B12	5	63.2	63.5	0.4	63.2	56.9	64.1	0.9	63.2	58.0	64.4	1.1	63.2	67.1	3.9	63.2	67.0	3.8	63.2	69.4	6.2	63.3	71.8	8.5	63.3	70.3	7.1	63.3	63.8	0.6		
B12	10	63.1	63.3	0.2	63.1	57.2	64.1	1.0	63.1	58.8	64.5	1.4	63.1	68.3	5.2	63.1	68.2	5.1	63.1	69.2	6.0	63.2	71.7	8.6	63.2	70.5	7.3	63.2	63.6	0.4		
B12	top floor	62.9	63.1	0.2	62.9	57.9	64.1	1.2	62.9	58.8	64.4	1.4	62.9	68.5	5.6	63.0	68.2	5.3	63.0	68.4	5.5	63.0	71.0	8.0	63.0	70.5	7.6	63.0	63.3	0.3		
B13	at-grade	62.1	62.7	0.6	62.1	56.1	63.1	1.0	62.2	57.2	63.4	1.2	62.2	65.5	3.3	62.2	65.5	3.3	62.2	64.2	2.0	62.2	64.7	2.5	62.2	64.3	2.0	62.3	62.9	0.7		
B13	3	62.0	62.8	0.8	62.0	57.7	63.4	1.4	62.0	58.9	63.7	1.7	62.0	67.4	5.4	62.1	67.4	5.3	62.1	65.8	3.7	62.1	67.1	5.0	62.1	66.0	3.9	62.1	62.9	0.8		
B13	5	61.9	62.4	0.6	61.9	59.2	63.8	1.9	61.9	60.7	64.4	2.4	61.9	68.0	6.1	62.0	68.0	6.0	62.0	67.3	5.3	62.0	68.9	6.9	62.0	67.2	5.2	62.0	62.7	0.6		
B13	10	61.8	62.2	0.4	61.8	60.5	64.2	2.4	61.8	61.0	64.4	2.6	61.8	70.0	8.2	61.9	69.9	8.1	61.9	67.8	5.9	61.9	69.5	7.6	61.9	68.6	6.7	61.9	62.4	0.5		
B13	top floor	61.6	61.9	0.3	61.6	60.9	64.3	2.7	61.7	60.7	64.2	2.6	61.7	70.1	8.4	61.7	69.9	8.2	61.7	67.3	5.6	61.7	69.0	7.3	61.7	68.6	6.9	61.8	62.1	0.4		
B14	at-grade	63.3	63.7	0.4	63.3	56.8	64.2	0.9	63.3	58.3	64.5	1.2	63.3	66.7	3.4	63.4	67.0	3.6	63.4	64.9	1.5	63.4	65.0	1.6	63.4	64.7	1.3	63.4	63.8	0.4		
B14	3	63.2	63.6	0.5	63.2	60.6	65.1	1.9	63.2	62.9	66.1	2.9	63.2	69.0	5.7	63.2	69.2	6.0	63.2	65.9	2.7	63.3	65.9	2.7	63.3	65.4	2.1	63.3	63.7	0.5		
B14	5	63.1	63.5	0.4	63.1	62.9	66.0	2.9	63.1	63.8	66.5	3.4	63.1	70.6	7.4	63.1	70.9	7.8	63.1	67.6	4.4	63.2	67.1	4.0	63.2	66.0	2.9	63.2	63.6	0.4		
B14	10	63.0	63.3	0.3	63.0	64.0	66.5	3.5	63.0	63.5	66.3	3.3	63.0	72.5	9.5	63.0	72.7	9.7	63.0	67.9	4.9	63.1	67.8	4.8	63.1	67.3	4.2	63.1	63.4	0.3		
B14	top floor	62.8	63.1	0.3	62.8	63.3	66.1	3.3	62.8	63.2	66.0	3.2	62.8	72.2	9.4	62.9	72.1	9.2	62.9	67.5	4.7	62.9	67.7	4.8	62.9	67.3	4.4	62.9	63.1	0.2		
B15	at-grade	63.2	63.6	0.4	63.2	56.9	64.1	0.9	63.2	58.7	64.5	1.3	63.2	67.3	4.0	63.3	67.8	4.5	63.3	64.8	1.6	63.3	64.6	1.3	63.3	64.4	1.1	63.3	63.7	0.4		
B15	3	63.1	63.5	0.5	63.1	62.1	65.6	2.5	63.1	65.0	67.2	4.1	63.1	70.2	7.0	63.1	70.7	7.6	63.1	65.9	2.7	63.2	65.3	2.1	63.2	64.9	1.8	63.2	63.6	0.4		
B15	5	63.0	63.4	0.5	63.0	64.3	66.7	3.7	63.0	65.5	67.4	4.4	63.0	73.3	10.3	63.0	73.8	10.8	63.0	67.9	4.9	63.1	65.7	2.7	63.1	65.2	2.1	63.1	63.5	0.4		
B15	10	62.9	63.2	0.4	62.9	64.8	67.0	4.1	62.9	65.6	67.5	4.6	62.9	74.5	11.6	62.9	74.7	11.8	62.9	68.7	5.7	63.0	66.5	3.6	63.0	66.0	3.0	63.0	63.3	0.3		
B15	top floor	62.7	63.0	0.3	62.7	64.1	66.5	3.8	62.7	65.3	67.2	4.5	62.7	73.8	11.0	62.8	73.6	10.8	62.8	68.0	5.3	62.8	66.8	4.0	62.8	66.3	3.5	62.8	63.0	0.2		
B16	at-grade	64.0	64.4	0.4	64.0	57.6	64.9	0.9	64.0	59.0	65.2	1.2	64.0	68.3	4.2	64.1	68.9	4.9	64.1	65.8	1.7	64.1	65.2	1.1	64.1	65.0	1.0	64.1	64.5	0.4		
B16	3	63.9	64.4	0.5	63.9	63.3	66.6	2.7	63.9	65.9	68.0	4.1	63.9	71.7	7.8	63.9	72.3	8.4	63.9	67.2	3.3	64.0	65.5	1.6	64.0	65.3	1.3	64.0	64.4	0.5		
B16	5	63.8	64.3	0.5	63.8	65.9	68.0	4.2	63.8	66.6	68.4	4.6	63.8	74.5	10.7	63.8	74.9	11.1	63.8	70.4	6.5	63.9	65.6	1.7	63.9	65.4	1.5	63.9	64.3	0.4		
B16	10	63.7	64.1	0.4	63.7	66.1	68.1	4.4	63.7	66.3	68.2	4.5	63.7	76.5	12.8	63.7	76.5	12.8	63.7	70.6	6.9	63.8	66.2	2.5	63.8	65.9	2.1	63.8	64.1	0.3		
B16	top floor	63.5	63.8	0.3	63.5	65.0	67.3	3.8	63.5	65.9	67.9	4.4	63.5	75.3	11.8	63.6	75.0	11.5	63.6	69.3	5.7	63.6	66.5	2.9	63.6	66.2	2.6	63.6	63.8	0.2		
B17	at-grade	64.0	64.5	0.5	64.0	57.9	65.0	0.9	64.1	59.1	65.3	1.2	64.1	69.0	4.9	64.1	69.6	5.5	64.1	66.3	2.2	64.1	65.0	0.9	64.1	65.0	0.8	64.2	64.6	0.4		
B17	3	63.9	64.8	0.9	63.9	63.9	66.9	3.0	63.9	66.0	68.1	4.2	63.9	72.7	8.8	64.0	73.5	9.6	64.0	68.4	4.4	64.0	65.3	1.3	64.0	65.2	1.2	64.0	64.7	0.7		
B17	5	63.8	64.7	1.0	63.8	66.0	68.1	4.2	63.8	66.6	68.4	4.6	63.8	76.3	12.4	63.9	76.9	13.1	63.9	71.7	7.8	63.9	65.3	1.4	63.9	65.2	1.3	63.9	64.6	0.7		
B17	10	63.7	64.4	0.8	63.7	66.2	68.1	4.4	63.7	66.4	68.3	4.6	63.7	77.7	13.9	63.8	77.9	14.1	63.8	72.3	8.6	63.8	65.7	1.9	63.8	65.5	1.7	63.8	64.3	0.5		
B17	top floor	63.5	64.1	0.6	63.5	65.3	67.5	4.0	63.6	65.9	67.9	4.3	63.6	76.2	12.7	63.6	76.1	12.5	63.6	70.5	6.9	63.6	65.8	2.2	63.6	65.6	2.0	63.7	64.0	0.4		
B18	at-grade	64.0	65.9	1.9	64.0	57.0	64.8	0.8	64.0	57.7	64.9	0.9	64.0	67.1	3.1	64.1	67.7	3.6	64.1	65.4	1.4	64.1	64.5	0.4	64.1	64.5	0.4	64.1	65.1	1.0		
B18	3	63.9	71.2	7.3	63.9	61.4	65.8	1.9	63.9	62.8	66.4	2.5	63.9	69.5	5.6	63.9	70.5	6.6	63.9	66.9	2.9	64.0	64.6	0.6	64.0	64.6	0.7	64.0	68.7	4.7		
B18	5	63.8	72.4	8.7	63.8	63.5	66.7	2.9	63.8	64.1	67.0	3.2	63.8	72.2	8.4	63.8	73.3	9.5	63.8	68.6	4.7	63.9	64.5	0.6	63.9	64.5	0.6	63.9	68.9	5.0		
B18	10	63.7	71.7	8.0	63.7	63.3	66.5	2.8	63.7	63.8	66.8	3.1	63.7	74.6	10.9	63.7	74.9	11.2	63.7	70.1	6.3	63.8	64.2	0.4	63.8	64.2	0.5	63.8	68.4	4.6		
B18	top floor	63.5	70.5	7.0	63.5	62.7	66.1	2.6	63.5	63.3	66.4	2.9	63.5	73.4	9.8	63.6	73.7	10.2	63.6	68.7	5.1	63.6	63.9	0.3	63.6	63.9	0.3	63.6	67.7	4.1		
C1	at-grade	66.5	66.5	0.0	66.5	51.3	66.7	0.1	66.5	48.4	66.6	0.1	66.5	67.7	1.2	66.6	67.5	0.9	66.6	67.0	0.4	66.6	67.3	0.7	66.6	67.0	0.5	66.6	66.7	0.1		
C1	3	65.7	65.8	0.1	65.7	59.4	66.6	0.9	65.7	53.9	66.0	0.3	65.7	68.8	3.0	65.7	68.3	2.6	65.8	66.7	0.9	65.8	67.4	1.6	65.8	66.6	0.9	65.8	65.9	0.1		
C1	5	64.9	65.0	0.1	64.9	62.3	66.8	1.9	64.9	54.4	65.3	0.4	64.9	70.3	5.4	64.9	70.4	5.5	65.0	66.7	1.7	65.0	68.1	3.1	65.0	66.7	1.7	65.0	65.1	0.1		
C1	10	64.1	64.3	0.2	64.1	63.1	66.6	2.5	64.1	54.3	64.5	0.4	64.1	71.5	7.4	64.1	71.1	6.9	64.2	66.6	2.5	64.2	68.6	4.4	64.2	67.5	3.3	64.2	64.3	0.1		
C1	15	63.3	63.5	0.2	63.3	61.9	65.7	2.4	63.3	53.9	63.8	0.5	63.3	71.1	7.8	63.3	69.6	6.2	63.4	66.3	3.0	63.4	68.3	4.9	63.4	67.3	4.0	63.4	63.5	0.1		
C1	20	62.5	62.7	0.2	62.5	60.8	64.7	2.2	62.5	53.4	63.0	0.5	62.5	70.0	7.5	62.5	68.5	5.9	62.6	65.8	3.3	62.6	67.7	5.1	62.6	66.7	4.1	62.6	62.8	0.2		
C1	25	61.7	61.9	0.2	61.7	59.6	63.8	2.1	61.7	52.8	62.2	0.5	61.7	68.9	7.2	61.7	68.9	7.2	61.8	65.1	3.3	61.8	67.0	5.2	61.8	66.0	4.2	61.8	62.0	0.2		
C1	top floor	60.8	61.1	0.3	60.8	58.8	62.9	2.1	60.8	53.4	61.6	0.7	60.8	68.1	7.3	60.9	68.9	8.0	60.9	64.4	3.5	60.9	66.3	5.4	60.9	65.3	4.4	60.9	61.3	0.4		

Construction Nois

Exceed Le

Exceed 3 d

Exceed CE

3.0-21.6 Minimum l

CadnaA Receptor Sites	Elevation (floor)	Mercer																						LaGuardia								
		2022			2023			2024			2025			2026			2027			2028			2029			2030			2031		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
B8	at-grade	58.5	60.5	2.0	58.5	59.5	1.1	58.5	60.9	2.4	58.5	63.7	5.3	58.5	61.3	2.8	58.5	60.3	1.8	58.5	60.3	1.8	58.5	64.8	6.4	58.5	64.8	6.3	58.5	62.9	4.4
B8	3	59.9	62.2	2.3	59.9	61.6	1.7	59.9	63.8	3.9	59.9	67.1	7.2	59.9	63.8	3.9	59.9	63.1	3.2	59.9	72.0	12.1	59.9	77.6	17.7	59.9	79.5	19.6	59.9	76.9	17.0
B8	5	61.3	63.3	2.0	61.3	63.5	2.2	61.3	66.1	4.7	61.3	69.8	8.4	61.3	65.6	4.3	61.3	64.7	3.4	61.3	71.8	10.5	61.3	77.7	16.4	61.4	79.5	18.1	61.4	76.5	15.2
B8	10	62.7	65.2	2.4	62.7	64.7	2.0	62.8	67.3	4.5	62.8	70.3	7.5	62.8	66.3	3.5	62.8	66.0	3.2	62.8	70.8	8.1	62.8	75.9	13.1	62.8	78.0	15.2	62.8	74.8	12.0
B8	top floor	64.2	66.2	2.0	64.2	65.6	1.4	64.2	67.8	3.6	64.2	70.3	6.1	64.2	67.0	2.8	64.2	66.6	2.4	64.2	69.8	5.6	64.2	73.9	9.7	64.2	76.2	12.0	64.2	72.8	8.6
B9	at-grade	59.0	59.1	0.1	59.0	59.1	0.0	59.0	59.1	0.1	59.0	59.3	0.2	59.1	59.2	0.1	59.1	59.2	0.1	59.1	60.8	1.7	59.1	61.5	2.5	59.1	63.2	4.1	59.1	62.9	3.8
B9	3	60.4	60.5	0.1	60.4	60.5	0.0	60.5	60.5	0.1	60.5	60.6	0.2	60.5	60.6	0.1	60.5	60.6	0.1	60.5	68.9	8.4	60.5	75.2	14.6	60.5	75.5	15.0	60.5	72.5	12.0
B9	5	61.9	61.9	0.1	61.9	61.9	0.0	61.9	62.0	0.1	61.9	62.2	0.3	61.9	62.0	0.1	61.9	62.0	0.1	61.9	69.0	7.0	61.9	75.0	13.1	62.0	75.7	13.7	62.0	73.1	11.1
B9	10	63.3	63.3	0.0	63.3	63.3	0.0	63.3	63.4	0.1	63.3	63.5	0.2	63.3	63.4	0.1	63.4	63.4	0.1	63.4	68.7	5.3	63.4	73.9	10.5	63.4	74.8	11.4	63.4	72.1	8.7
B9	top floor	64.7	64.7	0.0	64.7	64.7	0.0	64.7	64.8	0.1	64.7	64.9	0.2	64.8	64.8	0.1	64.8	64.8	0.1	64.8	68.4	3.6	64.8	72.5	7.7	64.8	73.5	8.7	64.8	70.9	6.1
B10	at-grade	59.9	59.9	0.1	59.9	59.9	0.0	59.9	60.0	0.1	59.9	60.1	0.2	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.5	0.6	59.9	60.7	0.8	59.9	60.3	0.4
B10	3	61.3	61.3	0.1	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.8	0.5	61.3	64.2	2.9	61.3	64.1	2.8	61.3	62.6	1.3
B10	5	62.7	62.8	0.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	62.9	0.1	62.7	62.8	0.1	62.7	62.8	0.1	62.7	63.1	0.4	62.7	65.0	2.2	62.8	64.9	2.1	62.8	63.7	1.0
B10	10	64.1	64.2	0.0	64.1	64.2	0.0	64.2	64.2	0.0	64.2	64.3	0.1	64.2	64.2	0.0	64.2	64.2	0.0	64.2	64.4	0.2	64.2	65.7	1.5	64.2	65.7	1.5	64.2	64.8	0.6
B10	top floor	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.1	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.7	0.1	65.6	66.5	0.9	65.6	66.5	0.9	65.6	66.0	0.4
B11	at-grade	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.6	0.1	63.5	63.7	0.1	63.6	63.6	0.0	63.6	63.6	0.1	63.6	63.6	0.1	63.6	63.7	0.2	63.6	63.9	0.3	63.6	63.8	0.2
B11	3	63.4	63.4	0.0	63.4	63.4	0.0	63.4	63.5	0.1	63.4	63.5	0.1	63.4	63.5	0.1	63.4	63.5	0.1	63.5	63.5	0.1	63.5	63.7	0.2	63.5	63.9	0.4	63.5	63.7	0.2
B11	5	63.3	63.3	0.0	63.3	63.3	0.0	63.3	63.4	0.1	63.3	63.5	0.1	63.3	63.4	0.1	63.3	63.4	0.1	63.4	63.4	0.1	63.4	63.6	0.2	63.4	63.8	0.4	63.4	63.6	0.2
B11	10	63.2	63.2	0.0	63.2	63.2	0.0	63.2	63.3	0.1	63.2	63.4	0.1	63.2	63.3	0.1	63.2	63.3	0.1	63.3	63.3	0.1	63.3	63.5	0.2	63.3	63.7	0.4	63.3	63.5	0.2
B11	top floor	63.0	63.1	0.0	63.0	63.1	0.0	63.0	63.1	0.1	63.0	63.2	0.1	63.1	63.1	0.1	63.1	63.1	0.1	63.1	63.1	0.1	63.1	63.3	0.2	63.1	63.4	0.3	63.1	63.3	0.2
B12	at-grade	63.5	63.6	0.0	63.5	63.5	0.0	63.5	63.6	0.1	63.5	63.7	0.2	63.6	63.6	0.1	63.6	63.6	0.1	63.6	63.6	0.0	63.6	63.7	0.1	63.6	63.9	0.3	63.6	63.7	0.1
B12	3	63.4	63.4	0.1	63.4	63.4	0.0	63.4	63.5	0.1	63.4	63.6	0.2	63.4	63.5	0.1	63.4	63.5	0.1	63.5	63.5	0.1	63.5	63.6	0.1	63.5	63.8	0.3	63.5	63.6	0.2
B12	5	63.3	63.3	0.0	63.3	63.3	0.0	63.3	63.4	0.1	63.3	63.5	0.2	63.3	63.4	0.1	63.3	63.4	0.1	63.4	63.4	0.1	63.4	63.5	0.1	63.4	63.7	0.4	63.4	63.6	0.2
B12	10	63.2	63.2	0.0	63.2	63.2	0.0	63.2	63.3	0.1	63.2	63.4	0.2	63.2	63.3	0.1	63.2	63.3	0.1	63.3	63.3	0.1	63.3	63.4	0.1	63.3	63.6	0.3	63.3	63.4	0.2
B12	top floor	63.0	63.1	0.0	63.0	63.1	0.0	63.0	63.1	0.1	63.0	63.2	0.2	63.1	63.1	0.1	63.1	63.1	0.1	63.1	63.2	0.1	63.1	63.4	0.3	63.1	63.4	0.3	63.1	63.2	0.1
B13	at-grade	62.3	62.4	0.1	62.3	62.3	0.0	62.3	62.5	0.2	62.3	62.6	0.3	62.3	62.4	0.1	62.4	62.5	0.1	62.4	62.4	0.0	62.4	62.5	0.1	62.4	62.6	0.2	62.4	62.5	0.1
B13	3	62.1	62.3	0.2	62.2	62.2	0.1	62.2	62.4	0.3	62.2	62.7	0.6	62.2	62.4	0.2	62.2	62.6	0.3	62.2	62.3	0.0	62.3	62.4	0.1	62.3	62.5	0.2	62.3	62.4	0.1
B13	5	62.0	62.1	0.1	62.1	62.1	0.1	62.1	62.3	0.2	62.1	62.5	0.4	62.1	62.2	0.1	62.1	62.4	0.2	62.1	62.2	0.1	62.2	62.3	0.1	62.2	62.5	0.3	62.2	62.3	0.1
B13	10	61.9	62.0	0.1	62.0	62.0	0.1	62.0	62.1	0.2	62.0	62.3	0.3	62.0	62.1	0.1	62.0	62.2	0.2	62.0	62.1	0.1	62.1	62.2	0.1	62.1	62.4	0.3	62.1	62.2	0.2
B13	top floor	61.8	61.9	0.1	61.8	61.8	0.1	61.8	61.9	0.1	61.8	62.1	0.3	61.8	62.0	0.1	61.9	62.0	0.1	61.9	61.9	0.1	61.9	62.0	0.1	61.9	62.2	0.3	61.9	62.0	0.1
B14	at-grade	63.4	63.5	0.1	63.4	63.5	0.0	63.4	63.6	0.1	63.4	63.8	0.4	63.5	63.6	0.1	63.5	63.6	0.1	63.5	63.5	0.0	63.5	63.6	0.1	63.5	63.7	0.2	63.5	63.6	0.1
B14	3	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.5	0.2	63.3	63.8	0.5	63.3	63.5	0.1	63.3	63.5	0.2	63.4	63.4	0.1	63.4	63.5	0.2	63.4	63.6	0.3	63.4	63.5	0.2
B14	5	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.4	0.2	63.2	63.7	0.4	63.2	63.4	0.2	63.2	63.4	0.2	63.3	63.3	0.0	63.3	63.4	0.2	63.3	63.5	0.2	63.3	63.4	0.1
B14	10	63.1	63.2	0.1	63.1	63.2	0.1	63.1	63.2	0.1	63.1	63.5	0.4	63.1	63.3	0.2	63.1	63.3	0.2	63.2	63.2	0.0	63.2	63.2	0.1	63.2	63.3	0.1	63.2	63.3	0.1
B14	top floor	62.9	63.0	0.1	62.9	63.0	0.1	62.9	63.1	0.1	62.9	63.2	0.3	63.0	63.1	0.1	63.0	63.1	0.1	63.0	63.0	0.0	63.0	63.1	0.1	63.0	63.1	0.1	63.0	63.1	0.1
B15	at-grade	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.5	0.1	63.3	63.8	0.4	63.4	63.5	0.2	63.4	63.5	0.2	63.4	63.4	0.0	63.4	63.4	0.1	63.4	63.5	0.1	63.4	63.5	0.1
B15	3	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.4	0.2	63.2	63.7	0.5	63.2	63.4	0.2	63.2	63.4	0.2	63.3	63.3	0.0	63.3	63.4	0.1	63.3	63.4	0.2	63.3	63.4	0.1
B15	5	63.1	63.2	0.1	63.1	63.2	0.1	63.1	63.3	0.2	63.1	63.6	0.5	63.1	63.3	0.2	63.1	63.4	0.2	63.2	63.2	0.0	63.2	63.3	0.1	63.2	63.3	0.2	63.2	63.3	0.1
B15	10	63.0	63.1	0.1	63.0	63.1	0.1	63.0	63.2	0.1	63.0	63.4	0.4	63.0	63.2	0.2	63.0	63.3	0.2	63.1	63.1	0.0	63.1	63.1	0.1	63.1	63.2	0.1	63.1	63.1	0.1
B15	top floor	62.8	62.9	0.1	62.8	62.9	0.1	62.8	63.0	0.1	62.8	63.2	0.3	62.9	63.0	0.2	62.9	63.1	0.2	62.9	62.9	0.0	62.9	63.0	0.1	62.9	63.0	0.1	62.9	63.0	0.1
B16	at-grade	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.4	0.3	64.2	64.3	0.2	64.2	64.3	0.2	64.2	64.2	0.0	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1
B16	3	64.0	64.1	0.1	64.0	64.1	0.1	64.0	64.1	0.1	64.0	64.4	0.3	64.0	64.3	0.2	64.0	64.3	0.2	64.1	64.1	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1
B16	5	63.9	64.1	0.2	63.9	64.0	0.1	63.9	64.1	0.2	63.9	64.3	0.4	63.9	64.2	0.2	63.9	64.2	0.3	64.0	64.0	0.1	64.0	64.1	0.1	64.0	64.1	0.2	64.0	64.1	0.1
B16	10	63.8	63.9	0.2	63.8	63.9	0.1	63.8	64.0	0.1	63.8	64.1	0.3	63.8	64.1	0.2	63.8	64.1	0.2	63.9	63.9	0.1	63.9	64.0	0.1	63.9	64.0	0.1	63.9	64.0	0.1
B16	top floor	63.6	63.7	0.1	63.6	63.7	0.1	63.6	63.8	0.1	63.6	63.9	0.3	63.7	63.9	0.2	63.7	63.9	0.2	63.7	63.7	0.1	63.7	63.8	0.1	63.7	63.8	0.1	63.7	63.8	0.1
B17	at-grade	64.2	64.4	0.2	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.4	0.2	64.2	64.4	0.2	64.3	64.5	0.2	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.5	0.2	64.3	64.4	0.1
B17	3	64.0	64.4	0.4	64.1	64.4	0.3	64.1	64.4	0.3	64.1	64.5	0.5	64.1	64.8	0.7	64.1	65.0	0.9	64.1	64.4	0.2	64.2	64.4	0.3	64.2	64.5	0.3	64.2	64.4	0.3
B17	5	63.9	64.5	0.6	64.0	64.3	0.3	64.0	64.3	0.3	64.0	64.5	0.5	64.0	64.7	0.7	64.0	64.9	0.9	64.0	64.3	0.2	64.1	64.3	0.3	64.1	64.4	0.3	64.1	64.3	0.3
B17	10	63.8	64.3	0.5	63.9	64.1	0.3	63.9	64.2	0.3	63.9	64.3	0.4	63.9	64.6	0.7	63.9	64.7	0.8	63.9	64.1	0.2	64.0	64.1	0.2	64.0	64.2	0.2	64.0	64.2	0.2
B17	top floor	63.7	64.1	0.4	63.7	63.9	0.2	63.7	63.9	0.2	63.7	64.1	0.3	63.7	64.3	0.6	63.8	64.4	0.7	63.8	63.9	0.1	63.8	63.9	0.1	63.8	63.9	0.1	63.8	63.9	0.1
B18	at-grade	64.1	65.5	1.4	64.1	64.2	0.1	64.1	64.4	0.2	64.1	64.3	0.2	64.2	64.6	0.5	64.2	64.6	0.5	64.2	64.5	0.3	64.2	64.5	0.3	64.2	64.6	0.4	64.2	64.5	0.3
B18	3	64.0	68.4	4.4	64.0	66.7	2.7	64.0	66.2	2.2	64.0	64.8	0.8	64.0	69.8	5.8	64.0	71.8	7.8	64.1	64.6	0.5	64.1	64.6	0.6	64.1	64.7	0.6	64.1	64.7	0.6
B18	5	63.9	70.0	6.1	63.9	66.7	2.8	63.9	66.1	2.2	63.9	64.8	0.9	63.9	70.6	6.7	63.9	71.7	7.8	64.0	64.5	0.5	64.0	64.5	0.6	64.0	64.6	0.6	64.0	64.5	0.6
B18	10	63.8	69.7	5.9	63.8	66.4	2.6	63.8	66.0	2.2	63.8	64.7	0.9	63.8	71.1	7.3	63.8	70.9	7.1	63.9	64.2	0.4	63.9	64.3	0.4	63.9	64.3	0.4	63.9	64.3	0.4
B18	top floor	63.6	69.0	5.4	63.6	65.8	2.2	63.6	65.6	1.9	63.6	64.5	0.9	63.7	70.7	7.0	63.7	69.8	6.1	63.7	63.9	0.3	63.7	64.0	0.3	63.7	64.0	0.3	63.7	64.0	0.3
C1	at-grade	66.6	66.6	0.0	66.6	66.6	0.0	66.6	66.7	0.0	66.6	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0
C1	3	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.9	0.1	65.8	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0
C1	5	65.0	65.0	0.0	65.0	65.0	0.0	65.0	65.1	0.0	65.0	65.2	0.1	65.0	65.1	0.0	65.1	65.1	0.0	65.1	65.1	0.0	65.1	65.1	0.0	65.1	65.1	0.0	65.1	65.1	0.0
C1	10	64.2	64.2	0.0	64.2	64.2	0.0	64.2	64.3	0.0	64.2	64.3	0.1	64.2	64.3	0.1	64.3	64.3	0.1	64.3	64.3	0.0	64.3	64.3	0.0	64.3	64.3	0.1	64.3	64.3	0.0
C1	15	63.4	63.4	0.0	63.4	63.4	0.0	63.4	63.5	0.0	63.4	63.5	0.1	63.4	63.5	0.1	63.5	63.5	0.1	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.6	0.1	63.5	63.5	0.0
C1	20	62.6	62.7	0.1	62.6	62.7	0.1	62.6	62.7	0.1	62.6	62.9	0.3	62.6	62.8	0.2	62.7	62.8	0.1	62.7	62.7	0.0	62.7	62.8	0.1	62.7	62.9	0.2	62.7	62.8	0.1
C1	25	61.8	62.0	0.2	61.8	61.9	0.1	61.8	62.0	0.2	61.8	62.2	0.4	61.8	62.1	0.3	61.9	62.0	0.2	61.9	61.9	0.1	61.9	62.0	0.1	61.9	62.1	0.2	61.9	62.0	0.1
C1	top floor	60.9	61.6	0.7	60.9	61.1	0.2	60.9	61.8	0.9	60.9	61.9	1.0	61.0	61.8	0.9	61.0	61.3	0.3	61.0	61.2	0.2	61.0	61.3	0.3	61.0	61.4	0.4	61.0	61.1	0.1

Construction Noise Results (Bleecker Building Staging Option 1)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3.0-21.6 Minimum Increase & Maximum Increase

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym							Zipper Tower															Bleecker School								
		2013			2014				2015				2016			2017			2018			2019			2020			2021				
		NoBuild	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change		
C2	at-grade	66.5	66.6	0.1	66.5	53.8	66.8	0.2	66.6	58.8	67.2	0.7	66.6	68.2	1.6	66.6	67.9	1.3	66.6	66.8	0.1	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0		
C2	3	65.7	65.7	0.1	65.7	69.4	71.0	5.2	65.8	70.5	71.8	6.0	65.8	75.0	9.2	65.8	76.0	10.2	65.8	66.0	0.2	65.8	65.9	0.0	65.9	65.9	0.1	65.9	66.0	0.1		
C2	5	64.9	65.0	0.1	64.9	70.3	71.4	6.5	65.0	70.6	71.6	6.7	65.0	74.0	9.0	65.0	74.6	9.6	65.0	65.2	0.2	65.0	65.1	0.1	65.1	65.2	0.1	65.1	65.1	0.0		
C2	10	64.1	64.3	0.2	64.1	68.9	70.1	6.0	64.2	70.2	71.2	7.0	64.2	73.3	9.1	64.2	72.3	8.1	64.2	64.9	0.7	64.2	64.3	0.1	64.3	64.4	0.1	64.3	64.3	0.0		
C2	15	63.3	63.5	0.2	63.3	67.6	69.0	5.7	63.4	69.7	70.6	7.3	63.4	73.6	10.3	63.4	70.7	7.3	63.4	65.1	1.7	63.4	63.5	0.1	63.5	63.6	0.1	63.5	63.5	0.1		
C2	20	62.5	62.8	0.3	62.5	66.3	67.8	5.3	62.6	68.9	69.8	7.3	62.6	72.9	10.3	62.6	70.7	8.1	62.6	64.5	1.9	62.6	62.7	0.1	62.7	62.8	0.1	62.7	62.8	0.1		
C2	25	61.7	62.0	0.3	61.7	65.0	66.7	4.9	61.8	68.1	69.0	7.3	61.8	71.4	9.6	61.8	71.0	9.3	61.8	63.3	1.5	61.8	61.9	0.1	61.9	62.0	0.1	61.9	62.0	0.1		
C2	top floor	60.8	61.1	0.3	60.8	64.0	65.7	4.9	60.9	67.2	68.1	7.2	60.9	70.3	9.4	60.9	70.3	9.4	60.9	62.4	1.4	61.0	61.2	0.2	61.0	61.3	0.3	61.0	61.2	0.2		
C3	at-grade	66.5	66.5	0.0	66.5	55.0	66.8	0.3	66.6	61.7	67.8	1.2	66.6	67.1	0.5	66.6	66.8	0.2	66.6	66.7	0.1	66.7	66.7	0.0	66.7	66.7	0.1	66.7	66.7	0.0		
C3	3	65.7	65.7	0.1	65.7	63.6	67.8	2.1	65.8	69.5	71.0	5.3	65.8	67.0	1.2	65.8	66.2	0.4	65.8	65.9	0.1	65.8	65.9	0.1	65.9	66.0	0.1	65.9	65.9	0.0		
C3	5	64.9	65.0	0.1	64.9	65.8	68.4	3.5	65.0	70.8	71.8	6.9	65.0	66.7	1.8	65.0	65.7	0.7	65.0	65.3	0.3	65.0	65.3	0.3	65.1	65.4	0.3	65.1	65.1	0.1		
C3	10	64.1	64.2	0.1	64.1	65.5	67.9	3.7	64.2	70.6	71.5	7.3	64.2	66.7	2.5	64.2	65.5	1.3	64.2	64.6	0.4	64.2	64.7	0.5	64.3	64.9	0.7	64.3	64.4	0.1		
C3	15	63.3	63.4	0.2	63.3	64.4	66.9	3.6	63.4	69.8	70.7	7.3	63.4	67.3	3.9	63.4	64.7	1.3	63.4	64.0	0.6	63.4	64.0	0.6	63.5	64.2	0.7	63.5	63.6	0.1		
C3	20	62.5	62.6	0.2	62.5	63.4	66.0	3.5	62.6	69.0	69.9	7.3	62.6	66.9	4.3	62.6	64.2	1.6	62.6	63.3	0.7	62.6	63.3	0.7	62.7	63.5	0.8	62.7	62.8	0.1		
C3	25	61.7	61.9	0.2	61.7	62.2	65.0	3.3	61.8	67.9	68.8	7.1	61.8	66.3	4.5	61.8	63.4	1.6	61.8	62.8	0.9	61.8	62.6	0.8	61.9	62.7	0.9	61.9	62.0	0.1		
C3	top floor	60.8	61.0	0.2	60.8	61.3	64.1	3.2	60.9	67.0	67.9	7.1	60.9	65.5	4.6	60.9	63.9	3.0	60.9	62.0	1.1	61.0	62.0	1.1	61.0	62.2	1.2	61.0	61.1	0.1		
C4	at-grade	66.5	66.5	0.0	66.5	46.1	66.6	0.0	66.6	48.4	66.6	0.1	66.6	66.7	0.2	66.6	66.7	0.2	66.6	67.0	0.4	66.6	67.4	0.8	66.6	67.3	0.6	66.7	66.7	0.1		
C4	3	65.7	65.8	0.1	65.7	47.8	65.8	0.1	65.7	50.1	65.9	0.1	65.8	66.0	0.3	65.8	66.0	0.3	65.8	66.8	1.0	65.8	67.6	1.8	65.8	67.2	1.4	65.8	65.9	0.1		
C4	5	64.9	65.0	0.1	64.9	48.4	65.0	0.1	64.9	51.2	65.1	0.2	65.0	65.3	0.4	65.0	65.3	0.3	65.0	67.0	2.0	65.0	68.5	3.5	65.0	67.6	2.6	65.0	65.1	0.1		
C4	10	64.1	64.2	0.1	64.1	48.9	64.2	0.1	64.1	52.3	64.4	0.3	64.2	64.7	0.5	64.2	64.6	0.4	64.2	67.0	2.8	64.2	69.2	5.0	64.2	68.5	4.2	64.2	64.3	0.1		
C4	15	63.3	63.4	0.1	63.3	48.3	63.5	0.1	63.3	51.9	63.6	0.3	63.4	63.9	0.6	63.4	63.8	0.5	63.4	66.5	3.1	63.4	68.8	5.4	63.4	68.4	5.0	63.4	63.6	0.1		
C4	20	62.5	62.6	0.1	62.5	47.6	62.7	0.1	62.5	51.7	62.9	0.3	62.6	63.1	0.6	62.6	63.1	0.5	62.6	65.8	3.2	62.6	68.2	5.6	62.6	67.8	5.2	62.6	62.8	0.1		
C4	25	61.7	61.8	0.1	61.7	46.8	61.9	0.1	61.7	50.9	62.1	0.3	61.8	62.4	0.6	61.8	62.3	0.5	61.8	65.1	3.3	61.8	67.5	5.7	61.8	67.0	5.2	61.8	62.0	0.1		
C4	top floor	60.8	60.9	0.1	60.8	47.9	61.0	0.2	60.9	51.9	61.4	0.5	60.9	61.9	1.0	60.9	62.1	1.2	60.9	64.3	3.4	60.9	66.7	5.8	60.9	66.2	5.3	61.0	61.1	0.2		
D1	at-grade	63.4	63.5	0.1	63.4	52.8	63.8	0.4	63.4	54.8	64.0	0.6	63.4	64.0	0.5	63.5	63.7	0.2	63.5	64.2	0.8	63.5	65.0	1.5	63.5	64.5	1.1	63.5	63.6	0.1		
D1	3	65.1	65.2	0.1	65.1	56.5	65.7	0.6	65.1	59.0	66.1	0.9	65.1	65.8	0.7	65.2	65.4	0.2	65.2	66.3	1.1	65.2	67.3	2.1	65.2	66.6	1.5	65.2	65.3	0.1		
D1	5	66.5	66.5	0.0	66.5	58.5	67.2	0.6	66.5	61.1	67.6	1.1	66.5	67.1	0.6	66.6	66.8	0.2	66.6	68.1	1.5	66.6	69.3	2.7	66.6	68.1	1.5	66.6	66.6	0.0		
D1	10	69.1	69.1	0.0	69.1	60.4	69.7	0.5	69.1	62.3	70.0	0.8	69.1	69.5	0.4	69.2	69.4	0.2	69.2	70.3	1.1	69.2	71.3	2.1	69.2	70.8	1.6	69.2	69.2	0.0		
D1	15	69.2	69.2	0.0	69.2	60.9	69.8	0.6	69.2	62.1	70.0	0.8	69.2	69.8	0.5	69.3	69.5	0.3	69.3	70.3	1.0	69.3	71.2	1.9	69.3	71.1	1.8	69.3	69.3	0.0		
D1	20	68.8	68.8	0.0	68.8	60.3	69.4	0.6	68.8	61.6	69.6	0.8	68.8	69.4	0.6	68.9	69.4	0.5	68.9	69.9	1.0	68.9	70.8	1.9	68.9	70.7	1.8	68.9	68.9	0.0		
D1	25	68.3	68.3	0.0	68.3	59.5	68.9	0.5	68.3	61.0	69.1	0.7	68.3	69.1	0.8	68.4	69.0	0.7	68.4	69.3	1.0	68.4	70.3	1.9	68.4	70.1	1.7	68.4	68.4	0.0		
D1	top floor	68.2	68.2	0.0	68.2	59.0	68.7	0.5	68.2	60.7	68.9	0.7	68.2	69.1	0.9	68.3	68.9	0.7	68.3	69.1	0.9	68.3	70.0	1.7	68.3	69.8	1.5	68.3	68.3	0.0		
D2	at-grade	63.9	64.0	0.1	63.9	57.4	64.8	0.9	64.0	62.8	66.4	2.5	64.0	65.4	1.5	64.0	64.4	0.4	64.0	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1		
D2	3	66.6	66.7	0.1	66.6	62.6	68.1	1.4	66.7	67.9	70.3	3.7	66.7	68.3	1.6	66.7	67.1	0.4	66.7	66.8	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.8	66.9	0.1		
D2	5	66.8	66.9	0.1	66.8	64.8	69.0	2.1	66.9	70.4	72.0	5.1	66.9	69.4	2.5	66.9	67.4	0.5	66.9	67.0	0.1	67.0	67.1	0.1	67.0	67.1	0.1	67.0	67.1	0.1		
D2	10	66.2	66.3	0.1	66.2	66.0	69.1	2.9	66.3	71.6	72.7	6.4	66.3	69.5	3.2	66.3	67.3	1.0	66.3	66.4	0.1	66.4	66.5	0.1	66.4	66.5	0.1	66.4	66.5	0.1		
D2	15	65.2	65.4	0.2	65.2	65.3	68.3	3.0	65.3	70.7	71.8	6.5	65.3	69.5	4.2	65.3	66.5	1.2	65.3	65.4	0.1	65.4	65.5	0.1	65.4	65.5	0.1	65.4	65.5	0.1		
D2	20	64.0	64.2	0.2	64.0	64.5	67.3	3.2	64.1	69.5	70.6	6.5	64.1	68.7	4.6	64.1	65.9	1.8	64.1	64.3	0.2	64.2	64.3	0.1	64.2	64.3	0.2	64.2	64.3	0.1		
D2	25	62.8	63.0	0.2	62.8	63.5	66.2	3.4	62.9	68.2	69.3	6.4	62.9	67.9	5.0	62.9	65.5	2.6	62.9	63.2	0.3	63.0	63.1	0.2	63.0	63.2	0.2	63.0	63.1	0.1		
D2	top floor	62.0	62.2	0.2	62.0	62.7	65.4	3.4	62.1	67.3	68.4	6.4	62.1	67.8	5.7	62.1	65.2	3.1	62.1	62.5	0.3	62.2	62.4	0.3	62.2	62.5	0.3	62.2	62.3	0.1		
D3	at-grade	68.5	68.7	0.2	68.5	56.3	68.8	0.3	68.6	60.9	69.3	0.7	68.6	69.2	0.6	68.6	68.8	0.2	68.6	68.8	0.1	68.7	68.8	0.1	68.7	68.8	0.2	68.7	68.8	0.1		
D3	3	69.8	70.0	0.2	69.8	59.1	70.2	0.4	69.9	64.3	70.9	1.1	69.9	70.8	0.9	69.9	70.1	0.2	69.9	70.1	0.1	70.0	70.1	0.1	70.0	70.1	0.1	70.0	70.1	0.1		
D3	5	69.4	69.6	0.2	69.4	60.9	70.0	0.6	69.5	66.7	71.3	1.8	69.5	71.1	1.6	69.5	69.7	0.2	69.5	69.7	0.1	69.6	69.7	0.1	69.6	69.7	0.1	69.6	69.7	0.1		
D3	10	67.9	68.1	0.2	67.9	60.4	68.6	0.7	68.0	68.1	71.0	3.1	68.0	70.8	2.8	68.0	68.2	0.2	68.0	68.2	0.1	68.1	68.2	0.1	68.1	68.2	0.2	68.1	68.2	0.1		
D3	15	66.4	66.6	0.2	66.4	59.8	67.3	0.9	66.5	68.2	70.4	4.0	66.5	69.8	3.3	66.5	66.7	0.2	66.5	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.2	66.6	66.7	0.1		
D3	20	65.2	65.3	0.1	65.2	59.0	66.2	0.9	65.3	67.4	69.5	4.2	65.3	68.7	3.4	65.3	65.6	0.2	65.3	65.5	0.1	65.4	65.5	0.1	65.4	65.5	0.2	65.4	65.5	0.1		
D3	25	63.9	64.1	0.2	63.9	58.0	64.9	1.0	64.0	66.2	68.2	4.3	64.0	67.6	3.6	64.0	64.3	0.3	64.0	64.2	0.1	64.1	64.2	0.1	64.1	64.3	0.2	64.1	64.2	0.1		
D3	top floor	63.0	63.2	0.2	63.0	57.4	64.1	1.0	63.1	65.3	67.3	4.3	63.1	66.8	3.7	63.1	63.7	0.6	63.1	63.3	0.2	63.2	63.4	0.2	63.2	63.4	0.2	63.2	63.3	0.1		
D4	at-grade	63.9	64.0	0.1	63.9	47.9	64.0	0.1	64.0	49.6	64.1	0.2	64.0	64.2	0.2	64.0	64.2	0.2	64.0	64.2	0.2	64.0	64.5	0.4	64.0	64.8	0.8	64.1	64.2	0.1		
D4	3	66.4	66.5	0.1	66.4	50.2	66.5	0.1	66.5	51.5	66.6	0.1	66.5	66.7	0.2	66.5	66.6	0.2	66.5	66.7	0.2	66.5	67.1	0.6	66.5	67.5	0.9	66.6	66.7	0.1		
D4	5	66.6	66.7	0.1	66.6	50.4	66.7	0.1	66.7	51.8	66.8	0.1	66.7	66.9	0.2	66.7	66.8	0.2	66.7	67.2	0.5	66.7	67.9	1.1	66.7	68.2	1.4	66.8	66.9	0.1		
D4	10	66.0	66.1	0.1	66.0	49.9	66.1	0.1	66.1	51.6	66.2	0.2	66.1	66.3	0.2	66.1	66.2	0.2	66.1	67.1	1.0	66.1	68.1	2.0	66.1	68.4	2.2	66.2	66.3	0.1		
D4	15	64.9	65.0	0.1	64.9	49.0	65.0	0.1	65.0	51.1	65.1	0.2	65.0	65.2	0.3	65.0	65.2	0.2	65.0	66.2	1.2	65.0	67.3	2.3	65.0	67.7	2.7	65.1	65.2	0.1		
D4	20	64.0	64.1	0.1	64.0	48.2	64.1	0.1	64.1	50.4	64.2	0.2	64.1	64.3	0.3	64.1	64.3	0.2	64.1	65.3	1.2	64.1	66.6	2.4	64.1	67.0	2.8	64.2	64.3	0.1		
D4	25	63.0	63.1	0.1	63.0	47.3	63.1	0.1	63.1	49.6	63.2	0.2	63.1	63.4	0.3	63.1	63.3	0.2	63.1	64.4	1.3	63.1	65.6	2.5	63.1	66.1	2.9	63.2	63.3	0.1		
D4	top floor	62.2	62.3	0.1	62.2	47.9	62.4	0.2	62.3	50.6	62.5	0.3	62.3	62.8	0.5	62.3	62.8	0.5	62.3	63.6	1.3	62.3	65.0	2.7	62.3	65.3	2.9	62.4	62.6	0.2		
E1	at-grade	63.4	63.5	0.1	63.4	50.9	63.7	0.2	63.5	55.7	64.1	0.7	63.5	63.8	0.3	63.5	63.7	0.2	63.5	63.6	0.1	63.5	63.7	0.2	63.5	63.9	0.3	63.6	63.7	0.1		
E1	3	65.2	65.3	0.1	65.2	52.9	65.5	0.2	65.3	57.8	66.0	0.7	65.3	65.6	0.4	65.3	65.5	0.2	65.3	65.5	0.2	65.3	66.6	1.2	65.3	66.9	1.6	65.4	65.4	0.1		
E1	5	66.8	66.8	0.0	66.8	55.8	67.2	0.3	66.9	60.6	67.8	0.9	66.9	67.2	0.3	66.9	67.1	0.2	66.9	67.3	0.4	66.9	68.0	1.1	66.9	68.6	1.6	67.0	67.0	0.1		
E1	10	66.9	67.0	0.1	66.9	56.4	67.3	0.4	67.0	61.5	68.0	1.1	67.0	67.4	0.4	67.0	67.3	0.3	67.0	67.3	0.3	67.0	68.2	1.2	67.0	68.4	1.4	67.1	67.1	0.1		
E1	15	66.4	66.5	0.1	66.4	57.1	66.9	0.5	66.5	61.7	67.7	1.3	66.5	67.1	0.6	66.5	66.9	0.4	66.5	66.8	0.3	66.5	67.6	1.1	66.5	67.8	1.3	66.6	66.6	0.1		
E1	20	65.6	65.7	0.1	65.6	57.3	66.2	0.6	65.7	61.6	67.1	1.4	65.7	66.5	0.8	65.7	66.2	0.5	65.7	66.0	0.3	65.7	66.7	1.0	65.7	66.9	1.2	65.8	65.8	0.1		
E1	25	64.7	64.8	0.1	64.7	57.4	65.5	0.7	64.8	61.2	66.3	1.6	64.8	65.7	0.9	64.8	65.4	0.6	64.8	65.1	0.3	64.8	65.7	0.9	64.8	65.9	1.1	64.9	65.0	0.1		
E1	top floor	64.0	64.1	0.1	64.0	57.0	64.8	0.8	64.1	60.9	65.8	1.7	64.1	65.2	1.2	64.1	64.8	0.7	64.1	64.5	0.4	64.1	65.1	1.0	64.1	65.3	1.1	64.2	64.3	0.2		

Construction Nois

Exceed Le

Exceed 3 d

Exceed CE

3.0-21.6 Minimum l

CadnaA Receptor Sites	Elevation (floor)	Mercer																						LaGuardia								
		2022			2023			2024			2025			2026			2027			2028			2029			2030			2031		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
C2	at-grade	66.7	66.8	0.1	66.7	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0
C2	3	65.9	66.0	0.1	65.9	65.9	0.0	66.0	66.0	0.0	66.0	66.0	0.1	66.0	66.1	0.1	66.0	66.1	0.1	66.0	66.1	0.0	66.1	66.1	0.0	66.1	66.2	0.1	66.1	66.1	0.0
C2	5	65.1	65.1	0.0	65.1	65.1	0.0	65.2	65.2	0.0	65.2	65.2	0.1	65.2	65.2	0.0	65.2	65.3	0.1	65.2	65.3	0.0	65.3	65.3	0.0	65.3	65.4	0.1	65.3	65.3	0.0
C2	10	64.3	64.3	0.0	64.3	64.3	0.0	64.4	64.4	0.0	64.4	64.4	0.1	64.4	64.4	0.0	64.4	64.5	0.0	64.4	64.5	0.0	64.5	64.5	0.0	64.5	64.5	0.0	64.5	64.5	0.0
C2	15	63.5	63.5	0.0	63.5	63.5	0.0	63.6	63.6	0.0	63.6	63.6	0.1	63.6	63.6	0.0	63.6	63.7	0.1	63.6	63.7	0.0	63.7	63.7	0.0	63.7	63.7	0.0	63.7	63.7	0.0
C2	20	62.7	62.8	0.1	62.7	62.8	0.0	62.8	62.8	0.1	62.8	63.0	0.2	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.0	62.9	62.9	0.0	62.9	62.9	0.1	62.9	62.9	0.0
C2	25	61.9	62.0	0.1	61.9	62.0	0.0	62.0	62.1	0.1	62.0	62.2	0.2	62.0	62.2	0.2	62.0	62.1	0.1	62.0	62.1	0.0	62.1	62.1	0.0	62.1	62.2	0.1	62.1	62.1	0.0
C2	top floor	61.0	61.3	0.3	61.0	61.1	0.1	61.1	61.3	0.3	61.1	61.5	0.4	61.1	61.5	0.4	61.1	61.3	0.2	61.2	61.2	0.0	61.2	61.2	0.0	61.2	61.3	0.1	61.2	61.2	0.0
C3	at-grade	66.7	66.7	0.0	66.7	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0
C3	3	65.9	65.9	0.0	65.9	66.0	0.0	66.0	66.0	0.0	66.0	66.0	0.0	66.0	66.0	0.0	66.0	66.1	0.0	66.0	66.1	0.0	66.1	66.1	0.0	66.1	66.2	0.1	66.1	66.1	0.0
C3	5	65.1	65.1	0.0	65.1	65.2	0.0	65.2	65.2	0.0	65.2	65.2	0.1	65.2	65.2	0.1	65.2	65.3	0.1	65.2	65.3	0.0	65.3	65.3	0.1	65.3	65.4	0.1	65.3	65.3	0.1
C3	10	64.3	64.4	0.0	64.3	64.4	0.0	64.4	64.4	0.1	64.4	64.5	0.1	64.4	64.5	0.1	64.4	64.5	0.1	64.4	64.5	0.0	64.5	64.5	0.1	64.5	64.6	0.1	64.5	64.5	0.0
C3	15	63.5	63.6	0.1	63.5	63.6	0.0	63.6	63.6	0.1	63.6	63.7	0.1	63.6	63.7	0.1	63.6	63.7	0.1	63.6	63.7	0.0	63.7	63.7	0.1	63.7	63.8	0.1	63.7	63.7	0.1
C3	20	62.7	62.8	0.1	62.7	62.8	0.0	62.8	62.8	0.1	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.0	62.9	62.9	0.1	62.9	63.0	0.1	62.9	62.9	0.1
C3	25	61.9	62.0	0.1	61.9	62.0	0.0	62.0	62.0	0.1	62.0	62.1	0.1	62.0	62.1	0.1	62.0	62.1	0.1	62.0	62.1	0.0	62.1	62.1	0.1	62.1	62.2	0.1	62.1	62.1	0.1
C3	top floor	61.0	61.1	0.1	61.0	61.1	0.1	61.1	61.1	0.1	61.1	61.2	0.1	61.1	61.2	0.1	61.1	61.2	0.1	61.2	61.2	0.1	61.2	61.3	0.1	61.2	61.3	0.1	61.2	61.3	0.1
C4	at-grade	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.8	0.0	66.7	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0
C4	3	65.9	65.9	0.1	65.9	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0	65.9	66.0	0.1	65.9	66.0	0.1	66.0	66.0	0.0	66.0	66.0	0.0	66.0	66.0	0.0	66.0	66.0	0.0
C4	5	65.1	65.1	0.0	65.1	65.1	0.0	65.1	65.1	0.0	65.1	65.2	0.1	65.1	65.2	0.0	65.1	65.2	0.1	65.2	65.2	0.0	65.2	65.2	0.0	65.2	65.2	0.0	65.2	65.2	0.0
C4	10	64.3	64.3	0.0	64.3	64.3	0.0	64.3	64.3	0.0	64.3	64.4	0.1	64.3	64.4	0.0	64.3	64.4	0.0	64.4	64.4	0.0	64.4	64.4	0.0	64.4	64.5	0.1	64.4	64.4	0.0
C4	15	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.6	0.1	63.5	63.6	0.1	63.5	63.6	0.1	63.6	63.6	0.0	63.6	63.6	0.1	63.6	63.7	0.1	63.6	63.6	0.0
C4	20	62.7	62.7	0.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	62.8	0.1	62.7	62.8	0.1	62.7	62.8	0.1	62.8	62.8	0.0	62.8	62.9	0.1	62.8	63.0	0.2	62.8	62.9	0.1
C4	25	61.9	61.9	0.0	61.9	61.9	0.0	61.9	62.0	0.1	61.9	62.0	0.1	61.9	62.0	0.1	61.9	62.0	0.1	62.0	62.0	0.1	62.0	62.1	0.1	62.0	62.2	0.2	62.0	62.1	0.1
C4	top floor	61.0	61.0	0.1	61.0	61.0	0.0	61.0	61.2	0.2	61.0	61.2	0.2	61.0	61.1	0.1	61.1	61.2	0.1	61.1	61.2	0.1	61.1	61.3	0.2	61.1	61.4	0.3	61.1	61.2	0.1
D1	at-grade	63.5	63.6	0.1	63.5	63.5	0.0	63.5	63.6	0.0	63.5	63.6	0.0	63.6	63.6	0.1	63.6	63.6	0.0	63.6	63.6	0.0	63.6	63.7	0.1	63.6	63.7	0.1	63.6	63.6	0.0
D1	3	65.2	65.3	0.1	65.2	65.2	0.0	65.2	65.2	0.0	65.2	65.3	0.0	65.3	65.3	0.1	65.3	65.3	0.1	65.3	65.3	0.0	65.3	65.5	0.2	65.3	65.5	0.2	65.3	65.3	0.0
D1	5	66.6	66.6	0.0	66.6	66.6	0.0	66.6	66.6	0.0	66.6	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.8	0.1	66.7	66.8	0.1	66.7	66.7	0.0
D1	10	69.2	69.2	0.0	69.2	69.2	0.0	69.2	69.2	0.0	69.2	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0
D1	15	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.4	0.0	69.4	69.4	0.0	69.4	69.4	0.0	69.4	69.4	0.0	69.4	69.4	0.0	69.4	69.4	0.0	69.4	69.4	0.0
D1	20	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	69.0	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.0	69.0	0.0
D1	25	68.4	68.4	0.0	68.4	68.4	0.0	68.4	68.4	0.0	68.4	68.5	0.0	68.5	68.5	0.0	68.5	68.5	0.0	68.5	68.5	0.0	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.5	0.0
D1	top floor	68.3	68.3	0.0	68.3	68.3	0.0	68.3	68.4	0.0	68.3	68.4	0.0	68.4	68.4	0.0	68.4	68.4	0.0	68.4	68.4	0.0	68.4	68.5	0.1	68.4	68.4	0.0	68.4	68.4	0.0
D2	at-grade	64.1	64.2	0.1	64.1	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.3	64.3	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1
D2	3	66.8	66.9	0.1	66.8	66.9	0.1	66.9	66.9	0.1	66.9	67.0	0.1	66.9	67.0	0.1	66.9	67.0	0.1	67.0	67.0	0.1	67.0	67.1	0.1	67.0	67.2	0.2	67.0	67.1	0.1
D2	5	67.0	67.1	0.1	67.0	67.1	0.1	67.1	67.1	0.1	67.1	67.2	0.1	67.1	67.2	0.1	67.1	67.2	0.1	67.2	67.2	0.1	67.2	67.3	0.1	67.2	67.4	0.2	67.2	67.3	0.1
D2	10	66.4	66.5	0.1	66.4	66.5	0.0	66.5	66.5	0.1	66.5	66.6	0.1	66.5	66.6	0.1	66.5	66.6	0.1	66.6	66.6	0.0	66.6	66.6	0.1	66.6	66.7	0.1	66.6	66.7	0.1
D2	15	65.4	65.5	0.0	65.4	65.5	0.0	65.5	65.5	0.0	65.5	65.5	0.1	65.5	65.6	0.1	65.5	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.7	0.1	65.6	65.6	0.0
D2	20	64.2	64.3	0.0	64.2	64.3	0.0	64.3	64.3	0.0	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.4	64.4	0.0	64.4	64.4	0.0	64.4	64.5	0.1	64.4	64.4	0.0
D2	25	63.0	63.1	0.0	63.0	63.1	0.0	63.1	63.1	0.0	63.1	63.2	0.1	63.1	63.2	0.1	63.1	63.2	0.1	63.2	63.2	0.0	63.2	63.2	0.0	63.2	63.3	0.1	63.2	63.2	0.0
D2	top floor	62.2	62.3	0.0	62.2	62.3	0.0	62.3	62.3	0.0	62.3	62.4	0.1	62.3	62.4	0.1	62.3	62.4	0.1	62.4	62.4	0.0	62.4	62.4	0.0	62.4	62.5	0.1	62.4	62.4	0.0
D3	at-grade	68.7	68.8	0.1	68.7	68.9	0.1	68.8	68.9	0.1	68.8	68.9	0.1	68.8	68.9	0.1	68.8	68.9	0.1	68.9	69.0	0.1	68.9	69.0	0.1	68.9	69.0	0.1	68.9	69.0	0.1
D3	3	70.0	70.1	0.1	70.0	70.2	0.1	70.1	70.2	0.1	70.1	70.2	0.1	70.1	70.2	0.1	70.1	70.2	0.1	70.2	70.3	0.1	70.2	70.3	0.1	70.2	70.3	0.1	70.2	70.3	0.1
D3	5	69.6	69.7	0.1	69.6	69.7	0.1	69.7	69.8	0.1	69.7	69.8	0.1	69.7	69.8	0.1	69.7	69.8	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.8	69.9	0.1
D3	10	68.1	68.2	0.1	68.1	68.2	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1
D3	15	66.6	66.7	0.1	66.6	66.7	0.1	66.7	66.8	0.1	66.7	66.8	0.1	66.7	66.8	0.1	66.7	66.8	0.1	66.8	66.8	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.8	66.9	0.1
D3	20	65.4	65.5	0.1	65.4	65.5	0.1	65.5	65.6	0.1	65.5	65.6	0.1	65.5	65.6	0.1	65.5	65.6	0.1	65.6	65.6	0.1	65.6	65.7	0.1	65.6	65.7	0.1	65.6	65.7	0.1
D3	25	64.1	64.2	0.1	64.1	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.3	64.3	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1
D3	top floor	63.2	63.3	0.1	63.2	63.3	0.1	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.4	0.1	63.4	63.4	0.1	63.4	63.5	0.1	63.4	63.5	0.1	63.4	63.5	0.1
D4	at-grade	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.4	0.2	64.2	64.3	0.1
D4	3	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.7	66.7	0.1	66.7	66.8	0.1	66.7	66.8	0.1	66.7	66.9	0.2	66.7	66.9	0.2
D4	5	66.8	66.8	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.9	67.0	0.1	66.9	67.0	0.1	66.9	67.0	0.1	66.9	67.1	0.2	66.9	67.1	0.2
D4	10	66.2	66.2	0.1	66.2	66.3	0.1	66.2	66.3	0.1	66.2	66.3	0.1	66.2	66.3	0.1	66.3	66.3	0.1	66.3	66.3	0.1	66.3	66.4	0.1	66.3	66.4	0.1	66.3	66.4	0.1
D4	15	65.1	65.1	0.1	65.1	65.1	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.2	65.2	0.1	65.2	65.2	0.1	65.2	65.3	0.1	65.2	65.3	0.1	65.2	65.3	0.1
D4	20	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.3	64.3	0.1	64.3	64.3	0.1	64.3	64.5	0.2	64.3	64.5	0.2	64.3	64.4	0.1
D4	25	63.2	63.2	0.1	63.2	63.2	0.1	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.3	0.1	63.3	63.3	0.1	63.3	63.3	0.1	63.3	64.1	0.8	63.3	63.8	0.5	63.3	63.4	0.1
D4	top floor	62.4	62.4	0.1	62.4	62.4	0.1	62.4	62.5	0.1	62.4	62.5	0.1	62.4	62.5	0.1	62.5	62.5	0.1	62.5	62.6	0.1	62.5	63.6	1.1	62.5	63.0	0.5	62.5	62.6	0.1
E1	at-grade	63.6	63.6	0.0	63.6	63.6	0.0	63.6	63.6	0.0	63.6	63.7	0.1	63.6	63.7	0.0	63.7	63.7	0.0	63.7	63.7	0.1	63.7	63.7	0.1	63.7	64.0	0.3	63.7	63.9	0.2
E1	3	65.4	65.4	0.0	65.4	65.4	0.0	65.4	65.4	0.0	65.4	65.5	0.0	65.4	65.5	0.0	65.5	65.5	0.0	65.5	65.6	0.1	65.5	65.6	0.1	65.5	65.9	0.4	65.5	65.8	0.3
E1	5	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.1	0.1	67.0	67.1	0.1	67.0	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.1	67.1	67.1	0.1	67.1	67.3	0.2	67.1	67.3	0.2
E1	10	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.2	0.0	67.1	67.2	0.0	67.2	67.2	0.0	67.2	67.2	0.0	67.2	67.2	0.0	67.2	67.2	0.0	67.2	67.2	0.0
E1	15	66.6	66.6	0.0	66.6	66.6	0.0	66.6	66.6	0.0	66.6	66.7	0.0	66.6	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0
E1	20	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.9	0.1	65.8	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0	65.9	66.0	0.1	65.9	66.0	0.1	65.9	65.9	0.0
E1	25	64.9	64.9	0.0	64.9	64.9	0.0	64.9	64.9	0.0	64.9	65.0	0.1	64.9	65.0	0.0	65.0	65.0	0.0	65.0	65.0	0.0	65.0	65.1	0.1	65.0	65.1	0.1	65.0	65.0	0.0
E1	top floor	64.2	64.2	0.1	64.2	64.2	0.0	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.3	64.3	0.1	64.3	64.3	0.0	64.3	64.5	0.2	64.3	64.4	0.1	64.3	64.3	0.0

Construction Noise Results (Bleecker Building Staging Option 1)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3.0-21.6 Minimum Increase & Maximum Increase

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym					Zipper Tower																	Bleecker School								
		2013			2014				2015				2016			2017			2018			2019			2020			2021				
		NoBuild	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change		
E2	at-grade	64.7	64.8	0.1	64.7	46.8	64.8	0.1	64.8	48.2	64.8	0.1	64.8	64.9	0.1	64.8	64.9	0.1	64.8	64.9	0.1	64.8	65.0	0.2	64.8	65.1	0.3	64.9	65.0	0.1		
E2	3	67.1	67.2	0.1	67.1	51.5	67.3	0.1	67.2	54.0	67.4	0.2	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.4	0.1	67.2	67.4	0.2	67.3	67.3	0.1		
E2	5	68.3	68.4	0.1	68.3	52.4	68.4	0.1	68.4	54.7	68.5	0.2	68.4	68.5	0.1	68.4	68.5	0.1	68.4	68.5	0.1	68.4	68.5	0.1	68.4	68.6	0.2	68.5	68.5	0.1		
E2	10	67.9	68.0	0.1	67.9	52.5	68.1	0.1	68.0	54.9	68.2	0.2	68.0	68.1	0.2	68.0	68.1	0.1	68.0	68.1	0.1	68.0	68.1	0.1	68.0	68.2	0.2	68.1	68.1	0.1		
E2	15	67.1	67.2	0.1	67.1	52.8	67.3	0.2	67.2	55.4	67.4	0.3	67.2	67.3	0.2	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.4	0.2	67.3	67.3	0.1		
E2	20	66.2	66.3	0.1	66.2	52.4	66.4	0.2	66.3	55.3	66.6	0.3	66.3	66.5	0.2	66.3	66.4	0.1	66.3	66.4	0.1	66.3	66.5	0.1	66.3	66.5	0.2	66.4	66.4	0.1		
E2	25	65.2	65.3	0.1	65.2	52.9	65.5	0.2	65.3	55.2	65.7	0.4	65.3	65.5	0.2	65.3	65.4	0.1	65.3	65.4	0.1	65.3	65.4	0.1	65.3	65.5	0.2	65.4	65.4	0.1		
E2	top floor	64.5	64.6	0.1	64.5	52.8	64.8	0.3	64.6	55.3	65.0	0.5	64.6	64.9	0.4	64.6	64.8	0.2	64.6	64.7	0.1	64.6	64.8	0.2	64.6	64.9	0.2	64.7	64.7	0.1		
E3	at-grade	63.4	63.5	0.1	63.4	44.9	63.5	0.1	63.4	46.0	63.5	0.1	63.4	63.6	0.1	63.5	63.6	0.1	63.5	64.8	1.4	63.5	65.8	2.3	63.5	64.5	1.0	63.5	63.7	0.2		
E3	3	65.9	66.0	0.1	65.9	47.1	66.0	0.1	65.9	47.9	66.0	0.1	65.9	66.0	0.1	66.0	66.0	0.1	66.0	68.8	2.8	66.0	70.3	4.3	66.0	68.6	2.6	66.0	66.7	0.7		
E3	5	66.8	66.9	0.1	66.8	48.2	66.9	0.1	66.8	48.9	66.9	0.1	66.8	66.9	0.1	66.9	66.9	0.1	66.9	70.8	4.0	66.9	72.6	5.7	66.9	70.4	3.5	66.9	67.5	0.6		
E3	10	66.4	66.5	0.1	66.4	47.9	66.5	0.1	66.4	48.8	66.5	0.1	66.4	66.6	0.1	66.5	66.6	0.1	66.5	70.3	3.8	66.5	72.2	5.8	66.5	70.8	4.3	66.5	67.1	0.6		
E3	15	65.7	65.8	0.1	65.7	47.2	65.8	0.1	65.7	48.4	65.8	0.1	65.7	65.9	0.1	65.8	65.9	0.1	65.8	69.4	3.6	65.8	71.4	5.6	65.8	71.8	6.0	65.8	66.4	0.6		
E3	20	65.1	65.2	0.1	65.1	46.7	65.2	0.1	65.1	47.9	65.2	0.1	65.1	65.3	0.1	65.2	65.3	0.1	65.2	68.5	3.3	65.2	70.5	5.3	65.2	71.1	5.9	65.2	65.8	0.6		
E3	25	64.2	64.3	0.1	64.2	46.0	64.3	0.1	64.2	47.4	64.3	0.1	64.2	64.4	0.1	64.3	64.4	0.1	64.3	67.3	3.0	64.3	69.3	5.0	64.3	69.8	5.5	64.3	64.9	0.6		
E3	top floor	63.6	63.7	0.1	63.6	46.7	63.7	0.1	63.6	48.7	63.8	0.1	63.6	63.9	0.3	63.7	63.8	0.2	63.7	66.4	2.8	63.7	68.3	4.6	63.7	68.8	5.1	63.7	64.3	0.6		
E4	at-grade	63.4	63.4	0.0	63.4	41.2	63.4	0.0	63.4	43.7	63.5	0.0	63.4	63.7	0.3	63.4	63.8	0.4	63.4	65.0	1.5	63.4	66.1	2.7	63.4	65.2	1.7	63.5	63.8	0.3		
E4	3	67.2	67.2	0.0	67.2	43.7	67.2	0.0	67.2	47.6	67.3	0.0	67.2	67.4	0.2	67.2	67.4	0.2	67.2	71.7	4.5	67.2	74.3	7.0	67.2	70.2	3.0	67.3	67.5	0.2		
E4	5	68.8	68.8	0.0	68.8	48.7	68.9	0.0	68.8	51.9	68.9	0.1	68.8	69.0	0.2	68.8	69.0	0.2	68.8	73.4	4.5	68.8	75.6	6.8	68.8	73.8	4.9	68.9	69.0	0.1		
E4	10	69.2	69.2	0.0	69.2	49.0	69.3	0.0	69.2	52.7	69.3	0.1	69.2	69.5	0.2	69.2	69.5	0.3	69.2	72.9	3.6	69.2	75.0	5.7	69.2	72.7	3.5	69.3	69.4	0.1		
E4	15	68.7	68.7	0.0	68.7	49.6	68.8	0.1	68.7	53.5	68.8	0.1	68.7	69.0	0.3	68.7	69.1	0.4	68.7	71.8	3.1	68.7	73.9	5.1	68.7	73.9	5.1	68.8	68.9	0.1		
E4	20	68.0	68.0	0.0	68.0	49.6	68.1	0.1	68.0	53.3	68.2	0.1	68.0	68.4	0.3	68.0	68.5	0.4	68.0	70.8	2.8	68.0	72.9	4.9	68.0	73.0	4.9	68.1	68.4	0.4		
E4	25	67.0	67.0	0.0	67.0	50.7	67.1	0.1	67.0	53.1	67.2	0.2	67.0	67.4	0.4	67.0	67.5	0.5	67.0	69.5	2.4	67.0	71.5	4.4	67.0	71.3	4.2	67.1	67.7	0.6		
E4	top floor	66.6	66.6	0.0	66.6	51.0	66.7	0.1	66.6	53.7	66.8	0.2	66.6	67.1	0.5	66.6	67.2	0.6	66.6	68.7	2.1	66.6	70.6	3.9	66.6	70.2	3.5	66.7	67.3	0.6		
F	at-grade	70.5	70.6	0.1	70.5	57.4	70.7	0.2	70.6	61.8	71.1	0.5	70.6	71.4	0.8	70.6	70.7	0.1	70.6	70.6	0.0	70.6	70.7	0.1	70.6	70.7	0.1	70.7	70.7	0.1		
F	3	71.8	71.9	0.1	71.8	61.6	72.2	0.4	71.9	65.3	72.7	0.9	71.9	72.8	0.9	71.9	72.0	0.1	71.9	72.0	0.1	71.9	72.0	0.1	71.9	72.0	0.1	72.0	72.0	0.1		
F	5	71.3	71.4	0.1	71.3	64.4	72.1	0.8	71.4	68.4	73.1	1.8	71.4	72.8	1.4	71.4	71.6	0.2	71.4	71.5	0.1	71.4	71.5	0.1	71.4	71.6	0.1	71.5	71.5	0.1		
F	top floor	70.0	70.1	0.1	70.0	65.8	71.4	1.4	70.1	70.5	73.3	3.2	70.1	73.5	3.4	70.1	70.5	0.5	70.1	70.2	0.1	70.1	70.3	0.1	70.1	70.3	0.2	70.2	70.2	0.1		
G	at-grade	68.5	68.6	0.1	68.5	55.6	68.8	0.2	68.6	59.6	69.1	0.5	68.6	69.3	0.7	68.6	68.8	0.2	68.6	68.7	0.1	68.7	68.7	0.1	68.7	68.8	0.1	68.7	68.8	0.1		
G	3	69.9	70.0	0.1	69.9	58.2	70.2	0.3	70.0	61.9	70.6	0.6	70.0	70.8	0.8	70.0	70.2	0.2	70.0	70.1	0.1	70.1	70.1	0.1	70.1	70.2	0.1	70.1	70.2	0.1		
G	5	69.5	69.6	0.1	69.5	60.4	70.0	0.5	69.6	64.0	70.6	1.1	69.6	70.7	1.1	69.6	69.9	0.2	69.6	69.7	0.1	69.7	69.7	0.1	69.7	69.8	0.1	69.7	69.8	0.1		
G	top floor	68.7	68.8	0.1	68.7	62.0	69.6	0.8	68.8	65.8	70.5	1.8	68.8	70.9	2.1	68.8	69.2	0.4	68.8	68.9	0.1	68.9	69.0	0.1	68.9	69.0	0.1	68.9	69.0	0.1		
H	at-grade	69.9	69.9	0.0	69.9	48.7	70.0	0.0	70.0	49.7	70.0	0.0	70.0	70.0	0.1	70.0	70.0	0.0	70.0	70.1	0.1	70.0	70.2	0.2	70.0	70.5	0.4	70.1	70.2	0.1		
H	3	72.4	72.5	0.1	72.4	54.0	72.5	0.1	72.5	57.3	72.6	0.1	72.5	72.6	0.2	72.5	72.5	0.0	72.5	72.6	0.1	72.5	72.7	0.2	72.5	72.9	0.4	72.6	72.7	0.1		
H	top floor	72.8	72.9	0.1	72.8	54.7	72.9	0.1	72.9	58.2	73.0	0.1	72.9	73.0	0.2	72.9	72.9	0.0	72.9	73.0	0.1	72.9	73.1	0.2	72.9	73.4	0.5	73.0	73.1	0.1		
I	at-grade	65.0	65.2	0.2	65.0	52.7	65.3	0.2	65.0	53.9	65.4	0.3	65.0	65.5	0.5	65.1	65.5	0.4	65.1	66.6	1.6	65.1	67.7	2.6	65.1	69.4	4.3	65.1	66.8	1.7		
I	3	64.3	64.6	0.3	64.3	53.2	64.6	0.3	64.3	54.5	64.8	0.4	64.3	65.1	0.8	64.4	65.0	0.7	64.4	69.2	4.9	64.4	71.4	7.1	64.4	74.4	10.0	64.4	69.6	5.2		
I	top floor	63.1	63.4	0.3	63.1	52.9	63.5	0.4	63.1	54.8	63.7	0.6	63.1	64.3	1.2	63.2	64.1	1.0	63.2	72.9	9.7	63.2	75.4	12.2	63.2	78.4	15.2	63.2	72.9	9.7		
J	at-grade	63.0	63.4	0.4	63.0	50.0	63.2	0.2	63.0	50.7	63.3	0.2	63.0	63.7	0.7	63.1	63.6	0.6	63.1	64.4	1.4	63.1	65.6	2.5	63.1	67.0	3.9	63.1	64.8	1.7		
J	3	62.7	63.5	0.8	62.7	52.4	63.1	0.4	62.7	53.8	63.3	0.5	62.7	64.1	1.3	62.8	64.0	1.2	62.8	66.2	3.4	62.8	68.5	5.7	62.8	70.5	7.7	62.8	66.9	4.1		
J	5	61.6	62.6	1.0	61.6	52.6	62.1	0.5	61.6	54.3	62.4	0.7	61.6	62.9	1.3	61.7	62.6	0.9	61.7	67.7	6.1	61.7	71.0	9.4	61.7	73.2	11.5	61.7	68.8	7.1		
J	top floor	60.6	61.8	1.2	60.6	53.5	61.4	0.8	60.6	54.8	61.6	1.0	60.6	62.6	2.0	60.7	62.2	1.5	60.7	68.3	7.7	60.7	71.6	10.9	60.7	73.4	12.7	60.7	68.5	7.8		
K	at-grade	61.9	62.0	0.1	61.9	38.4	61.9	0.0	61.9	39.9	61.9	0.0	61.9	62.0	0.1	61.9	62.0	0.1	61.9	62.5	0.6	61.9	62.9	1.0	61.9	64.1	2.2	62.0	62.7	0.7		
K	3	61.6	62.6	1.0	61.6	40.0	61.6	0.0	61.6	41.9	61.7	0.0	61.6	61.8	0.1	61.6	61.8	0.1	61.6	62.6	0.9	61.6	63.2	1.6	61.6	65.0	3.4	61.7	63.3	1.7		
K	top floor	59.8	61.3	1.5	59.8	41.8	59.9	0.1	59.8	41.8	59.9	0.1	59.8	60.0	0.1	59.8	60.1	0.2	59.8	61.7	1.8	59.8	63.0	3.1	59.8	65.3	5.4	59.9	62.8	2.9		
L	at-grade	62.8	63.2	0.4	62.8	52.2	63.2	0.4	62.8	52.3	63.2	0.4	62.8	63.2	0.4	62.9	63.2	0.4	62.9	63.2	0.4	62.9	63.3	0.4	62.9	63.3	0.4	62.9	63.3	0.4		
L	3	61.7	62.1	0.4	61.7	50.9	62.1	0.3	61.7	50.9	62.1	0.3	61.7	62.1	0.4	61.8	62.1	0.4	61.8	62.1	0.4	61.8	62.2	0.4	61.8	62.3	0.5	61.8	62.2	0.4		
L	5	60.2	60.6	0.4	60.2	49.1	60.5	0.3	60.2	49.2	60.6	0.3	60.2	60.6	0.4	60.3	60.6	0.4	60.3	60.6	0.4	60.3	60.7	0.4	60.3	60.8	0.5	60.3	60.7	0.4		
L	10	57.6	57.9	0.3	57.6	46.2	57.9	0.3	57.6	46.3	57.9	0.3	57.6	58.0	0.4	57.7	58.0	0.4	57.7	58.0	0.4	57.7	58.1	0.4	57.7	58.2	0.5	57.7	58.1	0.4		
L	top floor	56.8	57.1	0.3	56.8	45.4	57.1	0.3	56.8	45.6	57.1	0.3	56.8	57.3	0.4	56.9	57.3	0.4	56.9	57.2	0.4	56.9	57.3	0.4	56.9	57.5	0.6	56.9	57.3	0.4		
M	at-grade	62.2	62.7	0.5	62.2	52.5	62.7	0.4	62.3	52.6	62.7	0.4	62.3	62.7	0.5	62.3	62.8	0.5	62.3	62.8	0.5	62.3	62.8	0.4	62.3	62.8	0.4	62.4	62.8	0.5		
M	3	60.9	61.4	0.5	60.9	51.3	61.4	0.4	61.0	51.4	61.4	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.1	61.5	0.5		
M	5	59.2	59.8	0.6	59.2	49.9	59.7	0.5	59.3	50.0	59.7	0.5	59.3	59.8	0.6	59.3	59.8	0.6	59.3	59.8	0.5	59.3	59.8	0.5	59.3	59.8	0.5	59.4	59.9	0.5		
M	top floor	56.0	56.7	0.7	56.0	47.5	56.6	0.6	56.1	47.7	56.6	0.6	56.1	56.8	0.7	56.1	56.8	0.8	56.1	56.7	0.6	56.1	56.7	0.6	56.1	56.8	0.6	56.2	56.9	0.7		
N	at-grade	62.3	62.8	0.5	62.3	53.0	62.8	0.5	62.3	53.1	62.8	0.5	62.3	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5		
N	3	61.2	61.9	0.7	61.2	52.9	61.8	0.6	61.2	53.0	61.8	0.6	61.2	62.0	0.7	61.3	62.0	0.7	61.3	61.9	0.6	61.3	61.9	0.6	61.3	61.9	0.6	61.3	61.9	0.6		
N	5	59.7	60.6	0.9	59.7	52.4	60.5	0.7	59.7	52.5	60.5	0.8	59.7	60.7	0.9	59.8	60.7	0.9	59.8	60.5	0.8	59.8	60.5	0.7	59.8	60.5	0.7	59.8	60.7	0.9		
N	10	57.1	58.4	1.3	57.1	51.0	58.1	0.9	57.1	51.2	58.1	1.0	57.1	58.3	1.2	57.2	58.4	1.2	57.2	58.2	1.0	57.2	58.1	1.0	57.2	58.2	1.0	57.2	58.5	1.3		
N	top floor	55.9	57.4	1.5	55.9	50.3	57.0	1.1	55.9	50.4	57.0	1.1	55.9	57.3	1.3	56.0	57.4	1.4	56.0	57.1	1.1	56.0	57.0	1.0	56.0	57.1	1.1	56.0	57.4	1.4		

Construction Nois

Exceed Le

Exceed 3 d

Exceed CE

3.0-21.6 Minimum l

CadnaA Receptor Sites	Elevation (floor)	Mercer																						LaGuardia								
		2022			2023			2024			2025			2026			2027			2028			2029			2030			2031		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
E2	at-grade	64.9	64.9	0.1	64.9	64.9	0.0	64.9	65.0	0.1	64.9	65.0	0.1	64.9	65.0	0.1	65.0	65.0	0.1	65.0	65.0	0.1	65.0	65.0	0.1	65.0	65.1	0.1	65.0	65.1	0.1
E2	3	67.3	67.3	0.1	67.3	67.3	0.0	67.3	67.4	0.1	67.3	67.4	0.1	67.3	67.4	0.1	67.4	67.4	0.1	67.4	67.4	0.1	67.4	67.4	0.1	67.4	67.5	0.1	67.4	67.5	0.1
E2	5	68.5	68.5	0.0	68.5	68.5	0.0	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.6	68.6	0.1	68.6	68.6	0.0	68.6	68.6	0.1	68.6	68.7	0.1	68.6	68.7	0.1
E2	10	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.2	0.1	68.1	68.2	0.1	68.1	68.2	0.1	68.2	68.2	0.1	68.2	68.2	0.0	68.2	68.2	0.1	68.2	68.3	0.1	68.2	68.3	0.1
E2	15	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.4	0.1	67.3	67.4	0.1	67.3	67.4	0.1	67.4	67.4	0.1	67.4	67.4	0.0	67.4	67.4	0.1	67.4	67.5	0.1	67.4	67.5	0.1
E2	20	66.4	66.4	0.0	66.4	66.4	0.0	66.4	66.5	0.1	66.4	66.5	0.1	66.4	66.5	0.1	66.5	66.5	0.1	66.5	66.5	0.0	66.5	66.5	0.1	66.5	66.6	0.1	66.5	66.6	0.1
E2	25	65.4	65.4	0.1	65.4	65.4	0.0	65.4	65.5	0.1	65.4	65.5	0.1	65.4	65.5	0.1	65.5	65.5	0.1	65.5	65.5	0.0	65.5	65.5	0.1	65.5	65.6	0.1	65.5	65.6	0.1
E2	top floor	64.7	64.7	0.1	64.7	64.7	0.0	64.7	64.8	0.1	64.7	64.8	0.1	64.7	64.8	0.1	64.8	64.8	0.1	64.8	64.8	0.0	64.8	64.9	0.1	64.8	64.9	0.1	64.8	64.9	0.1
E3	at-grade	63.5	63.5	0.0	63.5	63.6	0.0	63.5	63.6	0.0	63.5	63.6	0.1	63.6	63.6	0.0	63.6	63.6	0.0	63.6	63.6	0.0	63.6	63.7	0.1	63.6	63.8	0.2	63.6	63.7	0.1
E3	3	66.0	66.0	0.0	66.0	66.0	0.0	66.0	66.1	0.0	66.0	66.1	0.0	66.1	66.1	0.0	66.1	66.1	0.0	66.1	66.1	0.0	66.1	66.3	0.2	66.1	66.3	0.2	66.1	66.2	0.1
E3	5	66.9	66.9	0.0	66.9	67.0	0.0	66.9	67.0	0.0	66.9	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.2	0.2	67.0	67.2	0.2	67.0	67.1	0.1
E3	10	66.5	66.5	0.0	66.5	66.6	0.0	66.5	66.6	0.0	66.5	66.6	0.0	66.6	66.6	0.0	66.6	66.6	0.0	66.6	66.6	0.0	66.6	66.8	0.2	66.6	66.8	0.2	66.6	66.7	0.1
E3	15	65.8	65.9	0.0	65.8	65.9	0.0	65.8	65.9	0.1	65.8	65.9	0.1	65.9	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0	65.9	66.1	0.2	65.9	66.1	0.2	65.9	66.0	0.1
E3	20	65.2	65.3	0.0	65.2	65.3	0.0	65.2	65.3	0.0	65.2	65.3	0.1	65.3	65.3	0.1	65.3	65.3	0.0	65.3	65.3	0.1	65.3	65.5	0.2	65.3	65.5	0.2	65.3	65.4	0.1
E3	25	64.3	64.4	0.0	64.3	64.4	0.0	64.3	64.4	0.0	64.3	64.4	0.1	64.4	64.4	0.0	64.4	64.4	0.0	64.4	64.5	0.1	64.4	65.1	0.7	64.4	65.0	0.6	64.4	64.5	0.1
E3	top floor	63.7	63.8	0.0	63.7	63.8	0.0	63.7	63.8	0.1	63.7	63.8	0.1	63.8	63.8	0.1	63.8	63.8	0.1	63.8	64.0	0.2	63.8	65.8	2.0	63.8	65.7	1.9	63.8	64.1	0.3
E4	at-grade	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.5	0.0	63.5	63.6	0.1	63.5	63.6	0.1
E4	3	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.3	0.0	67.3	67.4	0.1	67.3	67.3	0.0
E4	5	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0	68.9	68.9	0.0
E4	10	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0	69.3	69.3	0.0
E4	15	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0	68.8	68.8	0.0
E4	20	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.2	0.1	68.1	68.1	0.0
E4	25	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.1	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.2	0.1	67.1	67.2	0.1	67.1	67.1	0.0
E4	top floor	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.1	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0	66.7	67.2	0.5	66.7	67.1	0.4	66.7	66.7	0.0
F	at-grade	70.7	70.7	0.0	70.7	70.7	0.0	70.7	70.7	0.0	70.7	70.8	0.0	70.7	70.8	0.0	70.8	70.8	0.0	70.8	70.8	0.0	70.8	70.8	0.0	70.8	70.9	0.1	70.8	70.8	0.0
F	3	72.0	72.0	0.1	72.0	72.0	0.0	72.0	72.0	0.0	72.0	72.1	0.1	72.0	72.1	0.1	72.1	72.1	0.1	72.1	72.1	0.1	72.1	72.2	0.1	72.1	72.2	0.1	72.1	72.2	0.1
F	5	71.5	71.5	0.1	71.5	71.5	0.1	71.5	71.6	0.1	71.5	71.6	0.1	71.5	71.6	0.1	71.6	71.6	0.1	71.6	71.6	0.1	71.6	71.7	0.1	71.6	71.7	0.1	71.6	71.7	0.1
F	top floor	70.2	70.2	0.1	70.2	70.2	0.1	70.2	70.3	0.1	70.2	70.3	0.1	70.2	70.3	0.1	70.3	70.3	0.1	70.3	70.3	0.1	70.3	70.3	0.1	70.3	70.4	0.1	70.3	70.4	0.1
G	at-grade	68.7	68.8	0.1	68.7	68.8	0.1	68.8	68.8	0.1	68.8	68.8	0.1	68.8	68.9	0.1	68.8	68.9	0.1	68.9	68.9	0.0	68.9	68.9	0.1	68.9	69.0	0.1	68.9	69.0	0.1
G	3	70.1	70.2	0.1	70.1	70.2	0.1	70.2	70.2	0.1	70.2	70.3	0.1	70.2	70.3	0.1	70.2	70.3	0.1	70.3	70.3	0.1	70.3	70.3	0.1	70.3	70.4	0.1	70.3	70.4	0.1
G	5	69.7	69.8	0.1	69.7	69.8	0.1	69.8	69.8	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.9	69.9	0.1	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1
G	top floor	68.9	69.0	0.1	68.9	69.0	0.1	69.0	69.0	0.1	69.0	69.1	0.1	69.0	69.1	0.1	69.0	69.1	0.1	69.1	69.1	0.1	69.1	69.2	0.1	69.1	69.2	0.1	69.1	69.2	0.1
H	at-grade	70.1	70.1	0.0	70.1	70.1	0.0	70.1	70.1	0.0	70.1	70.1	0.0	70.1	70.2	0.0	70.2	70.2	0.0	70.2	70.2	0.1	70.2	70.3	0.1	70.2	70.4	0.2	70.2	70.3	0.1
H	3	72.6	72.6	0.0	72.6	72.6	0.0	72.6	72.6	0.0	72.6	72.6	0.0	72.6	72.7	0.0	72.7	72.7	0.0	72.7	72.7	0.1	72.7	72.8	0.1	72.7	72.9	0.2	72.7	72.8	0.1
H	top floor	73.0	73.0	0.0	73.0	73.0	0.0	73.0	73.0	0.0	73.0	73.0	0.0	73.0	73.1	0.0	73.1	73.1	0.0	73.1	73.1	0.1	73.1	73.2	0.1	73.1	73.3	0.2	73.1	73.2	0.1
I	at-grade	65.1	65.2	0.0	65.1	65.2	0.0	65.1	65.2	0.0	65.1	65.2	0.1	65.2	65.2	0.0	65.2	65.2	0.0	65.2	65.7	0.5	65.2	65.6	0.4	65.2	66.6	1.4	65.2	65.9	0.7
I	3	64.4	64.5	0.0	64.4	64.5	0.0	64.4	64.5	0.0	64.4	64.5	0.1	64.5	64.5	0.1	64.5	64.5	0.0	64.5	65.7	1.2	64.5	65.2	0.7	64.5	67.2	2.7	64.5	66.0	1.5
I	top floor	63.2	63.3	0.1	63.2	63.3	0.0	63.2	63.3	0.1	63.2	63.3	0.1	63.3	63.3	0.1	63.3	63.3	0.1	63.3	65.3	2.0	63.3	64.9	1.6	63.3	68.1	4.8	63.3	66.4	3.1
J	at-grade	63.1	63.6	0.5	63.1	63.3	0.2	63.1	63.5	0.4	63.1	64.4	1.2	63.2	63.7	0.6	63.2	63.5	0.3	63.2	64.6	1.5	63.2	64.9	1.7	63.2	67.7	4.5	63.2	65.6	2.4
J	3	62.8	63.7	0.9	62.8	63.3	0.5	62.8	64.3	1.5	62.8	65.8	2.9	62.9	64.2	1.4	62.9	63.7	0.8	62.9	67.0	4.1	62.9	66.1	3.2	62.9	72.1	9.2	62.9	69.5	6.6
J	5	61.7	62.9	1.2	61.7	62.6	0.9	61.7	64.2	2.4	61.7	66.1	4.3	61.8	64.5	2.7	61.8	63.3	1.6	61.8	68.4	6.6	61.8	68.1	6.3	61.8	74.0	12.2	61.8	71.5	9.7
J	top floor	60.7	62.5	1.8	60.7	62.2	1.4	60.7	64.4	3.6	60.7	66.9	6.2	60.8	64.2	3.4	60.8	62.9	2.2	60.8	68.1	7.3	60.8	69.1	8.3	60.8	74.1	13.3	60.8	71.1	10.3
K	at-grade	62.0	62.1	0.2	62.0	62.1	0.1	62.0	62.3	0.3	62.0	62.8	0.8	62.0	62.5	0.5	62.0	62.2	0.3	62.0	64.7	2.7	62.0	64.7	2.7	62.0	68.3	6.3	62.0	66.1	4.1
K	3	61.7	62.9	1.2	61.7	62.4	0.7	61.7	63.8	2.1	61.7	66.0	4.3	61.7	63.9	2.2	61.7	63.1	1.4	61.7	69.5	7.8	61.7	66.4	4.7	61.7	73.6	11.9	61.7	71.3	9.6
K	top floor	59.9	61.8	2.0	59.9	61.8	1.9	59.9	64.4	4.5	59.9	67.5	7.6	59.9	64.7	4.8	59.9	62.9	3.0	59.9	71.8	11.9	59.9	69.5	9.6	59.9	76.8	16.9	59.9	74.0	14.1
L	at-grade	62.9	63.1	0.2	62.9	63.1	0.2	62.9	63.2	0.3	62.9	63.2	0.3	63.0	63.2	0.2	63.0	63.2	0.2	63.0	63.2	0.2	63.0	63.7	0.7	63.0	63.4	0.4	63.0	63.3	0.3
L	3	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.1	0.3	61.8	62.1	0.3	61.9	62.1	0.3	61.9	62.1	0.2	61.9	62.3	0.4	61.9	64.5	2.6	61.9	63.7	1.8	61.9	62.5	0.6
L	5	60.3	60.6	0.2	60.3	60.5	0.2	60.3	60.6	0.3	60.3	60.7	0.4	60.4	60.6	0.3	60.4	60.6	0.3	60.4	61.0	0.6	60.4	65.0	4.6	60.4	62.8	2.4	60.4	61.2	0.8
L	10	57.7	58.0	0.3	57.7	58.0	0.2	57.7	58.1	0.4	57.7	58.2	0.5	57.8	58.1	0.4	57.8	58.1	0.3	57.8	58.7	0.9	57.8	63.9	6.1	57.8	61.3	3.5	57.8	59.0	1.2
L	top floor	56.9	57.2	0.3	56.9	57.2	0.3	56.9	57.3	0.4	56.9	57.5	0.5	57.0	57.3	0.4	57.0	57.3	0.4	57.0	58.0	1.0	57.0	63.6	6.6	57.0	60.9	3.9	57.0	58.3	1.3
M	at-grade	62.4	62.7	0.3	62.4	62.7	0.3	62.4	62.8	0.4	62.4	62.9	0.4	62.4	62.8	0.4	62.5	62.8	0.3	62.5	62.7	0.3	62.5	62.8	0.3	62.5	62.8	0.3	62.5	62.8	0.3
M	3	61.1	61.4	0.4	61.1	61.4	0.3	61.1	61.5	0.4	61.1	61.6	0.5	61.1	61.6	0.4	61.2	61.5	0.4	61.2	61.4	0.3	61.2	61.5	0.3	61.2	61.6	0.4	61.2	61.5	0.3
M	5	59.4	59.8	0.4	59.4	59.7	0.3	59.4	59.9	0.5	59.4	60.1	0.7	59.4	60.0	0.5	59.5	59.9	0.5	59.5	59.8	0.3	59.5	59.9	0.4	59.5	60.0	0.5	59.5	59.9	0.4
M	top floor	56.2	56.9	0.7	56.2	56.7	0.5	56.2	57.0	0.8	56.2	57.3	1.1	56.2	57.1	0.9	56.3	57.0	0.7	56.3	56.7	0.5	56.3	56.9	0.6	56.3	57.1	0.8	56.3	56.9	0.6
N	at-grade	62.4	63.2	0.8	62.4	62.7	0.3	62.4	62.8	0.4	62.4	62.9	0.5	62.5	63.0	0.5	62.5	62.9	0.4	62.5	62.8	0.3	62.5	62.8	0.3	62.5	62.9	0.4	62.5	62.8	0.3
N	3	61.3	63.6	2.3	61.3	61.8	0.5	61.3	61.9	0.6	61.3	62.0	0.6	61.4	62.3	1.0	61.4	62.1	0.7	61.4	61.8	0.4	61.4	61.8	0.4	61.4	61.9	0.5	61.4	61.8	0.4
N	5	59.8	64.1	4.2	59.8	60.4	0.6	59.8	60.6	0.7	59.8	60.6	0.8	59.9	61.2	1.3	59.9	60.8	1.0	59.9	60.5	0.6	59.9	60.5	0.6	59.9	60.5	0.6	59.9	60.5	0.6
N	10	57.2	63.0	5.8	57.2	58.1	0.9	57.2	58.3	1.0	57.2	58.4	1.2	57.3	59.2	1.9	57.3	58.7	1.5	57.3	58.1	0.8	57.3	58.1	0.8	57.3	58.2	0.9	57.3	58.1	0.8
N	top floor	56.0	62.4	6.4	56.0	57.1	1.1	56.0	57.3	1.3	56.0	57.5	1.4	56.1	58.4	2.3	56.1	57.9	1.8	56.1	57.0	0.9	56.1	57.0	0.9	56.1	57.2	1.1	56.1	57.1	1.0

Construction Noise Results (Bleecker Building Staging Option 1)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3.0-21.6 Minimum Increase & Maximum Increase

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym							Zipper Tower															Bleecker School							
		2013			2014				2015				2016			2017			2018			2019			2020			2021			
		NoBuild	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Cons.	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
O	at-grade	64.2	66.9	2.7	64.2	60.4	65.7	1.5	64.2	60.7	65.8	1.6	64.2	66.5	2.3	64.3	66.7	2.5	64.3	65.9	1.6	64.3	65.6	1.4	64.3	65.6	1.3	64.3	66.8	2.5
O	3	64.1	69.1	5.0	64.1	60.3	65.6	1.5	64.1	61.1	65.9	1.8	64.1	67.0	2.9	64.2	67.5	3.3	64.2	66.0	1.8	64.2	65.4	1.2	64.2	65.4	1.2	64.2	68.8	4.6
O	5	63.0	70.6	7.6	63.0	59.4	64.6	1.6	63.0	60.6	65.0	2.0	63.0	66.5	3.5	63.1	67.1	4.0	63.1	65.0	1.9	63.1	64.2	1.1	63.1	64.2	1.1	63.1	70.3	7.2
O	10	60.9	69.9	9.0	60.9	58.0	62.7	1.8	60.9	59.8	63.4	2.5	60.9	65.7	4.7	61.0	66.2	5.3	61.0	63.2	2.2	61.0	61.9	0.9	61.0	61.9	0.9	61.0	69.6	8.6
O	15	59.3	68.9	9.6	59.3	57.3	61.4	2.1	59.3	59.4	62.4	3.0	59.3	65.4	6.1	59.4	66.3	6.9	59.4	62.2	2.9	59.4	60.2	0.8	59.4	60.3	0.9	59.4	68.5	9.1
O	top floor	58.1	68.0	9.9	58.1	56.8	60.5	2.4	58.1	59.1	61.7	3.5	58.1	65.3	7.2	58.2	66.2	8.0	58.2	61.6	3.4	58.2	59.0	0.8	58.2	59.3	1.1	58.2	67.4	9.2
P	at-grade	63.1	67.0	3.9	63.1	60.8	65.1	2.0	63.1	61.8	65.5	2.4	63.1	68.1	5.0	63.2	68.6	5.5	63.2	65.8	2.6	63.2	64.8	1.6	63.2	64.8	1.6	63.2	66.3	3.1
P	3	62.7	71.1	8.4	62.7	61.4	65.1	2.4	62.7	63.0	65.9	3.1	62.7	69.9	7.2	62.8	70.7	7.9	62.8	66.4	3.6	62.8	64.3	1.5	62.8	64.4	1.6	62.8	69.3	6.5
P	top floor	61.6	74.1	12.5	61.6	62.1	64.9	3.3	61.6	64.1	66.0	4.4	61.6	70.9	9.2	61.7	71.7	10.1	61.7	66.7	5.0	61.7	63.1	1.4	61.7	63.1	1.5	61.7	71.0	9.3
Q	at-grade	65.5	67.4	1.9	65.5	63.1	67.5	2.0	65.5	63.5	67.6	2.1	65.5	71.0	5.4	65.6	72.0	6.5	65.6	68.6	3.0	65.6	66.8	1.2	65.6	66.8	1.2	65.6	67.2	1.6
Q	3	65.3	67.7	2.4	65.3	66.0	68.7	3.4	65.3	67.1	69.3	4.0	65.3	74.6	9.2	65.4	75.7	10.4	65.4	71.1	5.7	65.4	66.5	1.1	65.4	66.5	1.1	65.4	67.2	1.8
Q	5	64.3	67.4	3.1	64.3	69.5	70.7	6.3	64.3	69.6	70.7	6.4	64.3	79.2	14.9	64.4	80.6	16.2	64.4	74.6	10.3	64.4	65.4	1.0	64.4	65.4	1.0	64.4	66.9	2.5
Q	top floor	63.5	67.5	4.0	63.5	69.9	70.8	7.3	63.5	69.7	70.6	7.1	63.5	80.3	16.7	63.6	81.6	18.0	63.6	74.8	11.3	63.6	64.5	0.9	63.6	64.5	0.9	63.6	66.5	2.9
R	at-grade	69.7	69.8	0.1	69.7	52.1	69.8	0.1	69.7	52.4	69.8	0.1	69.7	69.8	0.1	69.8	69.9	0.1	69.8	69.8	0.1	69.8	69.8	0.1	69.8	69.9	0.1	69.8	69.9	0.1
R	3	69.8	69.9	0.1	69.8	52.3	69.9	0.1	69.8	52.6	69.9	0.1	69.8	70.0	0.1	69.9	70.0	0.1	69.9	69.9	0.1	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1
R	top floor	68.2	68.3	0.1	68.2	51.1	68.3	0.1	68.2	51.7	68.3	0.1	68.2	68.4	0.2	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1
S	at-grade	64.7	65.0	0.3	64.7	53.6	65.1	0.3	64.8	57.0	65.4	0.7	64.8	66.6	1.8	64.8	66.4	1.6	64.8	65.3	0.5	64.8	64.9	0.1	64.8	64.9	0.1	64.9	65.0	0.1
S	3	64.5	64.9	0.4	64.5	56.6	65.2	0.6	64.6	59.6	65.8	1.2	64.6	67.4	2.9	64.6	67.3	2.7	64.6	65.5	0.9	64.6	64.7	0.1	64.6	64.7	0.1	64.7	64.9	0.3
S	top floor	63.7	64.3	0.6	63.7	60.0	65.3	1.5	63.8	62.9	66.4	2.6	63.8	68.3	4.5	63.8	68.5	4.7	63.8	65.5	1.7	63.8	64.0	0.2	63.8	64.0	0.2	63.9	64.2	0.3
T	at-grade	65.3	65.3	0.0	65.3	53.3	65.6	0.3	65.4	57.3	66.0	0.6	65.4	66.3	0.9	65.4	65.6	0.3	65.4	65.4	0.0	65.4	65.5	0.0	65.4	65.5	0.0	65.5	65.5	0.0
T	top floor	65.5	65.6	0.1	65.5	56.2	66.0	0.5	65.6	59.3	66.5	0.9	65.6	67.1	1.5	65.6	66.0	0.5	65.6	65.6	0.0	65.6	65.7	0.0	65.6	65.7	0.1	65.7	65.7	0.1
U	at-grade	70.4	70.5	0.1	70.4	51.6	70.5	0.1	70.5	54.1	70.6	0.1	70.5	70.7	0.2	70.5	70.6	0.1	70.5	70.6	0.0	70.6	70.6	0.1	70.6	70.7	0.1	70.6	70.6	0.0
U	3	71.4	71.5	0.1	71.4	53.8	71.5	0.1	71.5	56.0	71.6	0.1	71.5	71.7	0.2	71.5	71.6	0.1	71.5	71.6	0.1	71.6	71.6	0.1	71.6	71.7	0.2	71.6	71.7	0.1
U	top floor	70.6	70.7	0.1	70.6	54.0	70.7	0.1	70.7	56.8	70.8	0.2	70.7	71.0	0.3	70.7	70.8	0.1	70.7	70.9	0.2	70.8	71.1	0.3	70.8	71.4	0.6	70.8	71.0	0.2
V	at-grade	68.5	68.5	0.0	68.5	39.5	68.5	0.0	68.5	40.6	68.5	0.0	68.5	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0
V	3	68.1	68.1	0.0	68.1	42.1	68.1	0.0	68.1	42.9	68.1	0.0	68.1	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0
V	5	66.9	66.9	0.0	66.9	41.9	66.9	0.0	66.9	42.7	66.9	0.0	66.9	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.1	0.1	67.0	67.0	0.0
V	top floor	65.5	65.5	0.0	65.5	49.2	65.6	0.1	65.5	50.7	65.7	0.1	65.5	66.3	0.7	65.6	66.2	0.7	65.6	65.9	0.3	65.6	66.1	0.5	65.6	67.1	1.5	65.6	65.8	0.2
W	at-grade	69.6	69.7	0.1	69.6	54.7	69.8	0.1	69.7	54.5	69.8	0.1	69.7	70.0	0.3	69.7	70.0	0.3	69.7	69.9	0.2	69.7	70.0	0.3	69.7	70.2	0.4	69.8	69.9	0.2
W	3	68.8	68.9	0.1	68.8	54.1	69.0	0.1	68.9	54.2	69.0	0.1	68.9	69.4	0.5	68.9	69.3	0.5	68.9	69.3	0.4	68.9	69.4	0.5	68.9	69.7	0.7	69.0	69.2	0.2
W	top floor	66.7	66.8	0.1	66.7	53.0	66.9	0.2	66.8	54.3	67.0	0.2	66.8	67.6	0.8	66.8	67.5	0.7	66.8	67.6	0.8	66.8	68.2	1.4	66.8	68.8	2.0	66.9	67.3	0.5
X	at-grade	67.5	67.5	0.0	67.5	33.6	67.5	0.0	67.5	35.9	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.6	0.0	67.6	67.6	0.0
X	3	66.5	66.5	0.0	66.5	34.3	66.5	0.0	66.5	36.4	66.5	0.0	66.5	66.5	0.0	66.5	66.5	0.0	66.5	66.5	0.0	66.5	66.6	0.0	66.5	66.6	0.0	66.6	66.6	0.0
X	5	65.0	65.0	0.0	65.0	35.4	65.0	0.0	65.0	37.8	65.0	0.0	65.0	65.0	0.0	65.0	65.1	0.0	65.0	65.0	0.0	65.0	65.1	0.0	65.0	65.1	0.1	65.1	65.1	0.0
X	top floor	63.8	63.8	0.0	63.8	39.3	63.8	0.0	63.8	42.5	63.8	0.0	63.8	63.9	0.1	63.8	63.9	0.1	63.8	63.9	0.0	63.8	63.9	0.0	63.8	64.5	0.6	63.9	63.9	0.0
Y	at-grade	67.0	67.0	0.0	67.0	38.8	67.0	0.0	67.0	39.5	67.0	0.0	67.0	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.1	67.1	67.2	0.1	67.1	67.4	0.3	67.1	67.2	0.1
Y	3	66.8	66.8	0.0	66.8	41.3	66.8	0.0	66.8	41.8	66.8	0.0	66.8	66.9	0.0	66.9	66.9	0.0	66.9	67.0	0.1	66.9	67.1	0.2	66.9	67.4	0.5	66.9	67.0	0.1
Y	5	65.7	65.7	0.0	65.7	41.7	65.7	0.0	65.7	42.1	65.8	0.0	65.7	65.8	0.0	65.8	65.8	0.0	65.8	65.9	0.2	65.8	66.1	0.3	65.8	66.5	0.8	65.8	66.0	0.2
Y	top floor	62.8	62.8	0.0	62.8	40.7	62.8	0.0	62.8	41.1	62.9	0.0	62.8	62.9	0.0	62.9	62.9	0.1	62.9	63.3	0.4	62.9	63.6	0.7	62.9	64.5	1.6	62.9	63.4	0.5
Z	at-grade	64.0	64.3	0.3	64.0	52.6	64.3	0.3	64.0	52.7	64.3	0.3	64.0	64.3	0.3	64.0	64.3	0.3	64.0	64.4	0.4	64.0	64.5	0.5	64.0	64.8	0.7	64.1	64.5	0.4
AA	at-grade	59.3	60.7	1.4	59.3	55.1	60.7	1.4	59.3	55.1	60.7	1.4	59.3	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4
AA	3	57.3	58.7	1.4	57.3	53.1	58.7	1.4	57.3	53.1	58.7	1.4	57.3	58.8	1.4	57.4	58.8	1.4	57.4	58.7	1.4	57.4	58.8	1.4	57.4	58.8	1.4	57.4	58.8	1.4
AA	5	55.4	56.8	1.4	55.4	51.1	56.8	1.4	55.4	51.1	56.8	1.4	55.4	56.9	1.4	55.5	56.9	1.5	55.5	56.8	1.4	55.5	56.9	1.4	55.5	56.9	1.4	55.5	56.9	1.4
AA	10	52.6	54.0	1.4	52.6	48.0	53.9	1.3	52.6	48.1	53.9	1.3	52.6	54.2	1.5	52.7	54.6	1.9	52.7	54.0	1.3	52.7	54.0	1.3	52.7	54.1	1.4	52.7	54.1	1.4
AA	top floor	51.6	53.0	1.4	51.6	46.8	52.9	1.2	51.6	47.0	52.9	1.3	51.6	53.3	1.6	51.7	54.3	2.6	51.7	53.0	1.3	51.7	53.0	1.3	51.7	53.1	1.4	51.7	53.0	1.3
BB	at-grade	64.5	65.8	1.3	64.5	56.5	65.2	0.6	64.5	56.9	65.2	0.7	64.5	65.6	1.0	64.6	65.8	1.2	64.6	65.3	0.7	64.6	65.1	0.5	64.6	65.1	0.6	64.6	65.6	1.0
BB	3	63.6	65.6	2.0	63.6	56.7	64.4	0.8	63.6	57.6	64.6	1.0	63.6	65.4	1.8	63.7	65.8	2.1	63.7	64.6	1.0	63.7	64.2	0.6	63.7	64.3	0.6	63.7	65.1	1.4
BB	5	62.4	65.1	2.7	62.4	55.9	63.3	0.9	62.4	57.0	63.5	1.1	62.4	64.6	2.1	62.5	65.0	2.6	62.5	63.5	1.1	62.5	63.1	0.6	62.5	63.1	0.6	62.5	64.5	2.0
BB	10	60.0	65.0	5.0	60.0	54.9	61.2	1.2	60.0	56.7	61.7	1.7	60.0	63.3	3.2	60.1	63.9	3.9	60.1	61.6	1.6	60.1	60.7	0.6	60.1	60.7	0.6	60.1	64.0	3.9
BB	top floor	59.2	64.7	5.5	59.2	54.8	60.6	1.3	59.2	56.6	61.1	1.9	59.2	63.0	3.7	59.3	63.7	4.5	59.3	61.0	1.7	59.3	59.9	0.6	59.3	59.9	0.6	59.3	63.8	4.5
CC	at-grade	68.4	68.5	0.1	68.4	53.3	68.6	0.1	68.4	53.3	68.6	0.1	68.4	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1
CC	3	68.0	68.2	0.2	68.0	53.2	68.2	0.1	68.0	53.2	68.2	0.1	68.0	68.2	0.2	68.1	68.2	0.2	68.1	68.2	0.1	68.1	68.2	0.1	68.1	68.2	0.1	68.1	68.2	0.1
CC	top floor	66.7	66.9	0.2	66.7	52.3	66.9	0.2	66.7	52.4	66.9	0.2	66.7	66.9	0.2	66.8	66.9	0.2	66.8	66.9	0.2	66.8	66.9	0.2	66.8	66.9	0.2	66.8	67.0	0.2
DD	at-grade	70.4	70.5	0.1	70.4	53.1	70.5	0.1	70.4	53.2	70.5	0.1	70.4	70.6	0.1	70.5	70.6	0.1	70.5	70.5	0.1	70.5	70.6	0.1	70.5	70.6	0.1	70.5	70.6	0.1
DD	3	69.8	69.9	0.1	69.8	52.6	69.9	0.1	69.8	52.7	69.9	0.1	69.8	70.0	0.2	69.9	70.1	0.2	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1
DD	top floor	68.4	68.5	0.1	68.4	51.3	68.5	0.1	68.4	51.5	68.5	0.1	68.4	69.0	0.5	68.5	68.8	0.3	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1
EE	at-grade	62.1	62.4	0.3	62.1	51.1	62.5	0.3	62.2	54.2	62.8	0.6	62.2	63.7	1.6	62.2	64.1	1.9	62.2	62.8	0.6	62.2	62.3	0.0	62.2	62.3	0.0	62.3	62.3	0.1
EE	3	60.6	61.2	0.6	60.6	53.1	61.3	0.7	60.7	56.3	62.0	1.4	60.7	63.6	3.0	60.7	64.1	3.4	60.7	61.9	1.2	60.7	60.8	0.1	60.7	60.8	0.1	60.8	61.0	0.2
EE	top floor	59.0	60.0	1.0	59.0	55.2	60.5	1.5	59.1	58.4	61.7	2.7	59.1	64.2	5.1	59.1	65.0	5.9	59.1	61.6	2.5	59.1	59.2	0.1	59.1	59.3	0.1	59.2	59.5	0.4
FF	at-grade	61.0	61.0	0.0	61.0	43.7	61.1	0.1	61.1	48.9	61.3	0.3	61.1	61.7	0.6	61.1	61.6	0.4	61.1	61.2	0.0	61.2	61.2	0.0	61.2	61.2	0.0	61.2	61.2	0.0
FF	3	59.8	59.9	0.1	59.8	46.0	60.0	0.2	59.9	49.5	60.2	0.4	59.9	61.2	1.3	59.9	60.8	0.9	59.9	60.0	0.0	60.0	60.0	0.0	60.0	60.0	0.1	60.0	60.1	0.1
FF	top floor	58.2	58.3	0.1	58.2	48.9	58.7	0.5	58.3	50.5	58.9	0.7	58.3	60.4	2.1	58.3	59.9	1.5	58.3	58.4	0.1	58.4	58.4	0.1	58.4	58.5	0.1	58.4	58.5	0.1
GG	at-grade	59.3	59.3	0.0	59.3	37.9	59.3	0.0	59.3	41.9	59.4	0.1	59.3	59.5	0.2	59.3	59.5	0.1	59.3	59.4	0.1	59.3	59.5	0.2	59.3	59.6	0.3	59.4	59.5	0.1
GG	3	58.1	58.2	0.1	58.1	38.5	58.2	0.0	58.1	42.2	58.2	0.1	58.1	58.5	0.4	58.1	58.6	0.5	58.1	58.3	0.2	58.1	58.5	0.4	58.1	58.8	0.7	58.2	58.4	0.2
GG	5	56.5	56.6	0.1	56.5	39.9	56.6	0.1	56.5	43.4	56.7	0.2	56.5	58.1	1.6	56.5	57.5	0.9	56.5	56.7	0.1	56.5	56.7	0.1	56.5	56.7	0.2	56.6	56.7	0.1
GG	top floor	54.8	54.9	0.1	54.8	42.9	55.1	0.3	54.8	46.1	55.4	0.5	54.8	57.5	2.7	54.8	56.2	1.4	54.8	55.0	0.2	54.8	55.1	0.2	54.8	55.3	0.5	54.9	55.0	0.2

Construction Nois

Exceed Le

Exceed 3 d

Exceed CE

3.0-21.6 Minimum l

CadnaA Receptor Sites	Elevation (floor)	Mercer																						LaGuardia								
		2022			2023			2024			2025			2026			2027			2028			2029			2030			2031		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
O	at-grade	64.3	67.3	3.0	64.3	66.1	1.8	64.3	66.3	2.0	64.3	66.7	2.3	64.4	68.6	4.3	64.4	67.5	3.1	64.4	65.7	1.3	64.4	65.7	1.3	64.4	65.9	1.5	64.4	65.8	1.4
O	3	64.2	70.8	6.6	64.2	67.7	3.5	64.2	69.1	4.9	64.2	70.7	6.5	64.3	74.2	9.9	64.3	70.9	6.6	64.3	65.5	1.2	64.3	65.5	1.2	64.3	65.8	1.5	64.3	65.5	1.2
O	5	63.1	72.6	9.5	63.1	68.6	5.4	63.1	69.7	6.6	63.1	70.8	7.7	63.2	75.6	12.4	63.2	72.3	9.1	63.2	64.2	1.1	63.2	64.4	1.2	63.2	64.7	1.5	63.2	64.4	1.2
O	10	61.0	72.6	11.6	61.0	67.5	6.5	61.0	68.9	7.8	61.0	70.3	9.2	61.1	74.7	13.6	61.1	71.4	10.4	61.1	62.1	1.0	61.1	62.3	1.2	61.1	63.0	1.9	61.1	62.3	1.2
O	15	59.4	71.3	11.9	59.4	66.5	7.0	59.4	68.0	8.6	59.4	69.8	10.4	59.5	73.7	14.2	59.5	70.5	11.0	59.5	60.5	1.0	59.5	60.9	1.4	59.5	62.2	2.7	59.5	61.0	1.5
O	top floor	58.2	70.5	12.3	58.2	65.4	7.2	58.2	67.3	9.0	58.2	69.3	11.0	58.3	72.6	14.3	58.3	69.4	11.2	58.3	59.5	1.2	58.3	60.8	2.5	58.3	61.9	3.6	58.3	60.0	1.7
P	at-grade	63.2	66.7	3.5	63.2	65.5	2.2	63.2	65.9	2.7	63.2	66.6	3.4	63.3	68.2	4.9	63.3	68.1	4.8	63.3	65.0	1.7	63.3	65.2	1.9	63.3	65.4	2.1	63.3	65.0	1.7
P	3	62.8	70.8	8.0	62.8	67.8	5.0	62.8	69.8	6.9	62.8	72.4	9.6	62.9	73.6	10.7	62.9	73.6	10.7	62.9	64.7	1.8	62.9	65.0	2.1	62.9	65.4	2.5	62.9	64.7	1.8
P	top floor	61.7	72.5	10.8	61.7	69.0	7.3	61.7	70.0	8.3	61.7	72.2	10.5	61.8	75.0	13.3	61.8	76.3	14.5	61.8	63.7	1.9	61.8	64.1	2.3	61.8	65.0	3.2	61.8	63.7	1.9
Q	at-grade	65.6	67.3	1.7	65.6	67.0	1.3	65.6	66.9	1.3	65.6	66.9	1.2	65.7	67.8	2.2	65.7	67.7	2.1	65.7	66.9	1.2	65.7	66.9	1.2	65.7	66.9	1.2	65.7	66.9	1.2
Q	3	65.4	67.5	2.1	65.4	66.8	1.4	65.4	66.8	1.3	65.4	66.6	1.1	65.5	69.0	3.5	65.5	68.9	3.4	65.5	66.5	1.0	65.5	66.5	1.0	65.5	66.5	1.0	65.5	66.5	1.0
Q	5	64.4	67.0	2.6	64.4	66.1	1.6	64.4	66.0	1.6	64.4	65.5	1.1	64.5	68.9	4.4	64.5	68.9	4.5	64.5	65.4	0.9	64.5	65.4	0.9	64.5	65.4	0.9	64.5	65.4	0.9
Q	top floor	63.6	67.2	3.6	63.6	65.3	1.7	63.6	65.2	1.6	63.6	64.6	1.0	63.7	68.5	4.9	63.7	68.7	5.0	63.7	64.5	0.8	63.7	64.5	0.8	63.7	64.5	0.8	63.7	64.5	0.8
R	at-grade	69.8	69.9	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.9	69.9	0.1	69.9	69.9	0.1	69.9	69.9	0.1	69.9	69.9	0.1	69.9	70.0	0.1	69.9	70.0	0.1
R	3	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1	70.0	70.0	0.1	70.0	70.0	0.1	70.0	70.0	0.1	70.0	70.0	0.1	70.0	70.1	0.1	70.0	70.1	0.1
R	top floor	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.4	68.4	0.1	68.4	68.4	0.1	68.4	68.4	0.1	68.4	68.4	0.1	68.4	68.5	0.1	68.4	68.5	0.1
S	at-grade	64.9	65.1	0.2	64.9	65.0	0.1	64.9	65.0	0.1	64.9	65.0	0.1	64.9	65.2	0.2	65.0	65.3	0.3	65.0	65.0	0.1	65.0	65.0	0.1	65.0	65.1	0.1	65.0	65.1	0.1
S	3	64.7	65.0	0.3	64.7	64.8	0.1	64.7	64.8	0.1	64.7	64.8	0.1	64.7	65.2	0.4	64.8	65.3	0.6	64.8	64.9	0.1	64.8	64.9	0.1	64.8	64.9	0.1	64.8	64.9	0.1
S	top floor	63.9	64.3	0.5	63.9	64.1	0.2	63.9	64.1	0.2	63.9	64.1	0.1	63.9	64.6	0.6	64.0	64.6	0.7	64.0	64.1	0.1	64.0	64.1	0.1	64.0	64.1	0.1	64.0	64.1	0.1
T	at-grade	65.5	65.5	0.0	65.5	65.5	0.0	65.5	65.5	0.0	65.5	65.6	0.0	65.5	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0
T	top floor	65.7	65.7	0.0	65.7	65.7	0.0	65.7	65.7	0.0	65.7	65.8	0.0	65.7	65.8	0.1	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.8	0.0
U	at-grade	70.6	70.7	0.0	70.6	70.7	0.0	70.7	70.7	0.0	70.7	70.7	0.0	70.7	70.8	0.0	70.7	70.8	0.0	70.8	70.8	0.0	70.8	70.8	0.0	70.8	70.8	0.0	70.8	70.8	0.0
U	3	71.6	71.7	0.1	71.6	71.7	0.1	71.7	71.7	0.1	71.7	71.7	0.1	71.7	71.8	0.1	71.7	71.8	0.1	71.8	71.8	0.1	71.8	71.8	0.1	71.8	71.9	0.1	71.8	71.9	0.1
U	top floor	70.8	70.9	0.1	70.8	70.9	0.1	70.9	70.9	0.1	70.9	71.0	0.1	70.9	71.0	0.1	70.9	71.0	0.1	71.0	71.1	0.1	71.0	71.0	0.1	71.0	71.2	0.2	71.0	71.1	0.1
V	at-grade	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.7	68.7	0.1	68.7	68.7	0.1	68.7	68.8	0.1	68.7	68.8	0.1	68.7	68.8	0.1	68.7	68.8	0.1
V	3	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.3	68.3	0.1	68.3	68.3	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1
V	5	67.0	67.1	0.1	67.0	67.1	0.1	67.0	67.1	0.1	67.0	67.1	0.1	67.1	67.1	0.1	67.1	67.1	0.1	67.1	67.2	0.1	67.1	67.2	0.1	67.1	67.2	0.1	67.1	67.2	0.1
V	top floor	65.6	65.7	0.1	65.6	65.7	0.1	65.6	65.8	0.2	65.6	65.9	0.2	65.7	65.7	0.1	65.7	65.8	0.1	65.7	66.0	0.3	65.7	65.8	0.1	65.7	66.5	0.8	65.7	65.9	0.2
W	at-grade	69.8	69.8	0.0	69.8	69.8	0.0	69.8	69.8	0.0	69.8	69.8	0.0	69.8	69.9	0.0	69.9	69.9	0.0	69.9	69.9	0.0	69.9	69.9	0.0	69.9	69.9	0.0	69.9	69.9	0.0
W	3	69.0	69.0	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.0	69.0	0.0	69.0	69.1	0.0	69.1	69.1	0.0	69.1	69.1	0.0	69.1	69.1	0.0	69.1	69.1	0.0	69.1	69.1	0.0
W	top floor	66.9	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0	66.9	67.0	0.0	66.9	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.1	67.0	67.1	0.1	67.0	67.1	0.1
X	at-grade	67.6	67.7	0.1	67.6	67.7	0.1	67.6	67.7	0.1	67.6	67.7	0.1	67.6	67.7	0.1	67.6	67.7	0.1	67.6	67.7	0.1	67.6	67.7	0.1	67.6	67.8	0.2	67.6	67.7	0.1
X	3	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.1	66.6	66.8	0.2	66.6	66.7	0.1
X	5	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.3	0.2	65.1	65.2	0.1
X	top floor	63.9	64.0	0.2	63.9	64.0	0.1	63.9	64.0	0.2	63.9	64.1	0.3	63.9	64.1	0.2	63.9	64.1	0.2	63.9	64.0	0.1	63.9	64.1	0.2	63.9	64.2	0.3	63.9	64.2	0.3
Y	at-grade	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.2	0.0	67.2	67.2	0.0	67.2	67.2	0.0	67.2	67.5	0.4	67.2	67.4	0.2	67.2	68.2	1.0	67.2	67.8	0.6
Y	3	66.9	66.9	0.0	66.9	66.9	0.0	66.9	67.0	0.0	66.9	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.8	0.8	67.0	67.4	0.5	67.0	68.9	1.9	67.0	68.3	1.3
Y	5	65.8	65.8	0.0	65.8	65.8	0.0	65.8	65.9	0.0	65.8	65.9	0.0	65.9	65.9	0.0	65.9	65.9	0.0	65.9	67.3	1.4	65.9	66.9	1.0	65.9	69.3	3.4	65.9	68.3	2.4
Y	top floor	62.9	62.9	0.0	62.9	63.0	0.0	62.9	63.0	0.0	62.9	63.0	0.1	63.0	63.0	0.0	63.0	63.0	0.0	63.0	65.4	2.4	63.0	66.2	3.2	63.0	68.6	5.6	63.0	66.8	3.8
Z	at-grade	64.1	64.4	0.3	64.1	64.4	0.3	64.1	64.4	0.3	64.1	64.4	0.3	64.1	64.4	0.3	64.1	64.4	0.3	64.1	64.6	0.5	64.1	65.0	0.9	64.1	65.3	1.2	64.1	64.7	0.6
AA	at-grade	59.4	60.8	1.4	59.4	60.8	1.4	59.4	60.9	1.4	59.4	60.9	1.4	59.5	60.9	1.4	59.5	60.9	1.4	59.5	60.9	1.4	59.5	60.9	1.4	59.5	60.9	1.4	59.5	60.9	1.4
AA	3	57.4	58.8	1.4	57.4	58.8	1.4	57.4	58.9	1.4	57.4	58.9	1.5	57.5	58.9	1.5	57.5	58.9	1.4	57.5	58.8	1.4	57.5	58.9	1.4	57.5	58.9	1.4	57.5	58.9	1.4
AA	5	55.5	57.0	1.5	55.5	56.9	1.4	55.5	57.0	1.4	55.5	57.1	1.5	55.6	57.1	1.5	55.6	57.0	1.5	55.6	56.9	1.4	55.6	57.0	1.4	55.6	57.1	1.5	55.6	57.0	1.4
AA	10	52.7	54.2	1.5	52.7	54.1	1.3	52.7	54.2	1.5	52.7	54.4	1.7	52.8	54.3	1.6	52.8	54.3	1.5	52.8	54.1	1.3	52.8	54.2	1.4	52.8	54.3	1.5	52.8	54.2	1.4
AA	top floor	51.7	53.3	1.6	51.7	53.0	1.3	51.7	53.2	1.5	51.7	53.5	1.7	51.8	53.4	1.6	51.8	53.3	1.6	51.8	53.1	1.3	51.8	53.1	1.3	51.8	53.4	1.6	51.8	53.2	1.4
BB	at-grade	64.6	66.1	1.5	64.6	65.5	0.9	64.6	65.5	0.9	64.6	65.4	0.7	64.7	66.7	2.1	64.7	66.3	1.7	64.7	65.4	0.7	64.7	65.4	0.7	64.7	65.4	0.7	64.7	65.4	0.7
BB	3	63.7	66.2	2.5	63.7	64.9	1.2	63.7	64.8	1.0	63.7	64.5	0.8	63.8	67.5	3.7	63.8	66.6	2.8	63.8	64.5	0.7	63.8	64.5	0.7	63.8	64.5	0.7	63.8	64.5	0.7
BB	5	62.5	66.6	4.1	62.5	64.2	1.7	62.5	64.0	1.5	62.5	63.3	0.8	62.6	68.3	5.8	62.6	67.0	4.4	62.6	63.2	0.7	62.6	63.3	0.7	62.6	63.3	0.7	62.6	63.3	0.7
BB	10	60.1	66.4	6.3	60.1	62.7	2.6	60.1	62.1	2.0	60.1	61.1	0.9	60.2	67.7	7.5	60.2	66.0	5.8	60.2	60.9	0.7	60.2	60.9	0.7	60.2	60.9	0.7	60.2	60.9	0.7
BB	top floor	59.3	66.1	6.8	59.3	62.2	2.9	59.3	61.5	2.2	59.3	60.3	1.0	59.4	67.4	8.0	59.4	65.7	6.4	59.4	60.1	0.7	59.4	60.1	0.7	59.4	60.1	0.7	59.4	60.1	0.7
CC	at-grade	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1
CC	3	68.1	68.2	0.1	68.1	68.2	0.1	68.1	68.3	0.1	68.1	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1
CC	top floor	66.8	67.0	0.1	66.8	67.0	0.1	66.8	67.0	0.1	66.8	67.0	0.1	66.9	67.0	0.2	66.9	67.0	0.1	66.9	67.0	0.1	66.9	67.0	0.1	66.9	67.0	0.1	66.9	67.0	0.1
DD	at-grade	70.5	70.6	0.1	70.5	70.6	0.1	70.5	70.6	0.1	70.5	70.6	0.1	70.6	70.6	0.1	70.6	70.6	0.1	70.6	70.6	0.1	70.6	70.7	0.1	70.6	70.7	0.1	70.6	70.7	0.1
DD	3	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1	70.0	70.0	0.1	70.0	70.1	0.1	70.0	70.0	0.1	70.0	70.1	0.1	70.0	70.1	0.1	70.0	70.1	0.1
DD	top floor	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.7	0.2	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1	68.6	68.7	0.1
EE	at-grade	62.3	62.4	0.2	62.3	62.4	0.1	62.3	62.3	0.0	62.3	62.4	0.0	62.3	62.6	0.2	62.4	62.7	0.4	62.4	62.4	0.0	62.4	62.4	0.0	62.4	62.4	0.0	62.4	62.4	0.0
EE	3	60.8	61.2	0.4	60.8	60.9	0.1	60.8	60.9	0.1	60.8	60.9	0.1	60.8	61.4	0.6	60.9	61.7	0.8	60.9	60.9	0.1	60.9	60.9	0.1	60.9	61.0	0.1	60.9	61.0	0.1
EE	top floor	59.2	59.8	0.7	59.2	59.4	0.2	59.2	59.3	0.1	59.2	59.3	0.1	59.2	60.2	1.0	59.3	60.4	1.2	59.3	59.4	0.1	59.3	59.4	0.1	59.3	59.4	0.1	59.3	59.4	0.1
FF	at-grade	61.2	61.2	0.0	61.2	61.3	0.0	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.4	0.0	61.4	61.4	0.0	61.4	61.4	0.0	61.4	61.4	0.0	61.4	61.4	0.0
FF	3	60.0	60.1	0.1	60.0	60.1	0.0	60.1	60.1	0.0	60.1	60.1	0.0	60.1	60.2	0.1	60.1	60.2	0.1	60.2	60.2	0.0	60.2	60.2	0.0	60.2	60.3	0.1	60.2	60.2	0.0
FF	top floor	58.4	58.5	0.1	58.4	58.5	0.0	58.5	58.5	0.0	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.6	58.6	0.0	58.6	58.6	0.0	58.6	58.7	0.1	58.6	58.6	0.0
GG	at-grade	59.4	59.4	0.1	59.4	59.4	0.0	59.4	59.5	0.1	59.4	59.7	0.3	59.4	59.5	0.1	59.4	59.5	0.1	59.4	59.4	0.0	59.4	59.5	0.1	59.4	59.6	0.2	59.4	59.5	0.1
GG	3	58.2	58.3	0.2	58.2	58.2	0.1	58.2	58.6	0.4	58.2	59.3	1.2	58.2	58.6	0.4	58.2	58.4	0.2	58.2	58.3	0.1	58.2	58.3	0.1	58.2	58.9	0.7	58.2	58.5	0.3
GG	5	56.6	56.6	0.1	56.6	56.6	0.0	56.6	56.6	0.1	56.6	56.7	0.1	56.6	56.8	0.2	56.6	56.7	0.2	56.6	56.7	0.1	56.6	56.7	0.1	56.6	57.4	0.8	56.6	56.9	0.3
GG	top floor	54.9	55.0	0.1	54.9	54.9	0.1	54.9	55.0	0.1	54.9	55.2	0.3	54.9	55.0	0.1	54.9	55.1	0.2	54.9	55.0	0.1	54.9	55.1	0.2	54.9	55.6	0.7	54.9	55.3	0.4

Construction Noise Results (Bleecker Building Staging Option 2)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3 & 10 Minimum Increase & Maximum Increase

Note: Noise results for other years are the same values of Bleecker Building Staging Option1 (see Appendix E-3a)

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym			Zipper Tower																	Bleecker School								
		2013			2014			2015			2016			2017			2018			2019			2020			2021		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
A1	at-grade	58.4	63.0	4.6	58.4	58.8	0.4	58.4	58.8	0.4	58.4	59.2	0.7	58.5	59.3	0.8	58.5	58.9	0.5	58.5	58.9	0.4	58.5	58.9	0.4	58.5	63.7	5.2
A1	3	59.8	73.7	13.9	59.8	60.4	0.5	59.9	60.4	0.6	59.9	61.0	1.2	59.9	61.3	1.4	59.9	60.6	0.7	59.9	60.4	0.5	59.9	60.4	0.5	59.9	74.2	14.2
A1	5	61.3	74.1	12.9	61.3	62.1	0.9	61.3	62.5	1.2	61.3	63.4	2.1	61.3	63.8	2.5	61.3	62.2	0.8	61.3	61.7	0.4	61.3	61.8	0.4	61.4	75.2	13.8
A1	10	62.7	73.0	10.3	62.7	63.5	0.8	62.7	63.8	1.1	62.7	65.5	2.8	62.7	66.2	3.5	62.8	63.7	0.9	62.8	63.0	0.3	62.8	63.0	0.3	62.8	73.5	10.7
A1	top floor	64.1	71.6	7.5	64.1	64.7	0.6	64.1	64.9	0.8	64.1	66.7	2.5	64.2	67.5	3.3	64.2	65.0	0.9	64.2	64.3	0.1	64.2	64.4	0.2	64.2	71.7	7.5
A2	at-grade	58.4	62.4	4.0	58.4	58.5	0.1	58.4	58.5	0.1	58.4	58.7	0.3	58.5	58.8	0.3	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	63.2	4.7
A2	3	59.8	72.6	12.8	59.8	59.9	0.1	59.9	60.0	0.1	59.9	60.2	0.3	59.9	60.3	0.5	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	73.2	13.3
A2	5	61.3	73.2	11.9	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.6	0.3	61.3	61.7	0.4	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.1	61.4	74.3	13.0
A2	10	62.7	72.2	9.5	62.7	62.9	0.2	62.7	62.9	0.2	62.7	63.4	0.6	62.7	63.9	1.2	62.8	63.1	0.4	62.8	62.9	0.2	62.8	62.9	0.2	62.8	72.9	10.1
A2	top floor	64.1	71.1	7.0	64.1	64.2	0.1	64.1	64.3	0.1	64.1	64.9	0.8	64.2	65.6	1.4	64.2	64.4	0.2	64.2	64.3	0.1	64.2	64.3	0.1	64.2	71.3	7.1
A3	at-grade	58.4	62.0	3.6	58.4	58.5	0.0	58.4	58.5	0.1	58.4	58.7	0.2	58.5	58.8	0.4	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	62.5	4.0
A3	3	59.8	69.8	9.9	59.8	59.9	0.0	59.9	59.9	0.0	59.9	60.1	0.2	59.9	60.2	0.4	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	70.1	10.2
A3	5	61.3	70.6	9.4	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.5	0.2	61.3	61.6	0.3	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.4	71.3	9.9
A3	10	62.7	70.2	7.6	62.7	62.7	0.0	62.7	62.8	0.0	62.7	62.9	0.2	62.7	63.3	0.5	62.8	62.8	0.1	62.8	62.8	0.0	62.8	62.8	0.1	62.8	70.7	7.9
A3	top floor	64.1	69.7	5.6	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.4	0.2	64.2	64.9	0.7	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	69.9	5.7
A4	at-grade	58.4	62.1	3.7	58.4	58.5	0.0	58.4	58.5	0.0	58.4	58.7	0.2	58.5	58.8	0.3	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	62.1	3.6
A4	3	59.8	65.7	5.9	59.8	59.9	0.0	59.9	59.9	0.0	59.9	60.0	0.2	59.9	60.2	0.3	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	65.8	5.9
A4	5	61.3	68.3	7.0	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.6	0.3	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.4	68.3	6.9
A4	10	62.7	68.4	5.8	62.7	62.7	0.0	62.7	62.7	0.0	62.7	62.9	0.1	62.7	63.2	0.4	62.8	62.8	0.0	62.8	62.8	0.0	62.8	62.8	0.1	62.8	68.7	5.9
A4	top floor	64.1	68.4	4.3	64.1	64.2	0.0	64.1	64.2	0.0	64.1	64.3	0.2	64.2	64.7	0.6	64.2	64.2	0.1	64.2	64.2	0.0	64.2	64.3	0.1	64.2	68.5	4.3
A5	at-grade	58.4	61.7	3.3	58.4	58.4	0.0	58.4	58.5	0.0	58.4	58.6	0.2	58.5	58.7	0.3	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.6	0.2	58.5	61.4	2.9
A5	3	59.8	64.0	4.2	59.8	59.9	0.0	59.9	59.9	0.0	59.9	60.0	0.1	59.9	60.2	0.3	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.0	0.1	59.9	63.9	3.9
A5	5	61.3	66.3	5.0	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.6	0.3	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.1	61.4	66.0	4.6
A5	10	62.7	66.9	4.2	62.7	62.7	0.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	63.1	0.4	62.8	62.8	0.0	62.8	62.8	0.0	62.8	62.8	0.1	62.8	67.0	4.2
A5	top floor	64.1	67.3	3.2	64.1	64.1	0.0	64.1	64.2	0.0	64.1	64.3	0.1	64.2	64.7	0.5	64.2	64.2	0.0	64.2	64.2	0.0	64.2	64.3	0.1	64.2	67.3	3.1
A6	at-grade	58.4	61.0	2.6	58.4	58.4	0.0	58.4	58.5	0.0	58.4	58.6	0.1	58.5	58.7	0.2	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.7	0.2	58.5	60.7	2.2
A6	3	59.8	63.0	3.2	59.8	59.9	0.0	59.9	59.9	0.0	59.9	60.0	0.1	59.9	60.1	0.2	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.1	0.2	59.9	62.7	2.8
A6	5	61.3	64.3	3.0	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.1	61.4	64.0	2.6
A6	10	62.7	65.9	3.2	62.7	62.7	0.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	63.1	0.3	62.8	62.8	0.0	62.8	62.8	0.0	62.8	62.9	0.1	62.8	65.7	2.9
A6	top floor	64.1	66.5	2.4	64.1	64.1	0.0	64.1	64.1	0.0	64.1	64.3	0.1	64.2	64.5	0.4	64.2	64.2	0.0	64.2	64.2	0.0	64.2	64.3	0.1	64.2	66.5	2.3
A7	at-grade	58.4	60.6	2.2	58.4	58.4	0.0	58.4	58.5	0.0	58.4	58.6	0.1	58.5	58.7	0.2	58.5	58.5	0.1	58.5	58.6	0.1	58.5	58.7	0.2	58.5	60.4	1.9
A7	3	59.8	62.4	2.5	59.8	59.9	0.0	59.9	59.9	0.0	59.9	60.0	0.1	59.9	60.1	0.2	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.1	0.2	59.9	62.1	2.2
A7	5	61.3	63.4	2.1	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.6	0.2	61.4	63.3	1.9
A7	10	62.7	65.2	2.6	62.7	62.7	0.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	63.0	0.3	62.8	62.8	0.0	62.8	62.8	0.0	62.8	62.9	0.1	62.8	65.1	2.3
A7	top floor	64.1	66.0	1.9	64.1	64.1	0.0	64.1	64.1	0.0	64.1	64.2	0.1	64.2	64.5	0.3	64.2	64.2	0.0	64.2	64.2	0.0	64.2	64.3	0.1	64.2	66.0	1.8
A8	at-grade	58.4	60.2	1.8	58.4	58.4	0.0	58.4	58.5	0.0	58.4	58.8	0.3	58.5	58.9	0.4	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.7	0.2	58.5	59.7	1.2
A8	3	59.8	61.8	2.0	59.8	59.9	0.0	59.9	60.0	0.1	59.9	60.2	0.3	59.9	60.3	0.4	59.9	60.1	0.2	59.9	60.0	0.1	59.9	60.4	0.5	59.9	61.4	1.5
A8	5	61.3	62.8	1.6	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.2	61.3	61.4	0.0	61.3	61.4	0.1	61.3	61.8	0.5	61.4	62.6	1.2
A8	10	62.7	64.6	2.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	62.8	0.1	62.7	63.0	0.3	62.8	62.8	0.1	62.8	62.8	0.0	62.8	63.4	0.7	62.8	64.1	1.3
A8	top floor	64.1	65.6	1.5	64.1	64.1	0.0	64.1	64.2	0.0	64.1	64.4	0.2	64.2	64.6	0.5	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.8	0.6	64.2	65.3	1.1
A9	at-grade	58.4	58.5	0.1	58.4	58.5	0.1	58.4	58.5	0.1	58.4	58.6	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.6	0.1	58.5	58.8	0.3	58.5	58.6	0.1
A9	3	59.8	60.0	0.1	59.8	59.9	0.1	59.9	59.9	0.1	59.9	60.1	0.3	59.9	60.2	0.3	59.9	60.0	0.1	59.9	60.0	0.1	59.9	60.9	1.0	59.9	60.1	0.1
A9	5	61.3	61.3	0.1	61.3	61.3	0.0	61.3	61.3	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.4	0.1	61.3	62.2	0.8	61.4	61.5	0.1
A9	10	62.7	62.7	0.1	62.7	62.7	0.0	62.7	62.8	0.0	62.7	62.8	0.1	62.7	62.8	0.1	62.8	62.8	0.1	62.8	62.8	0.1	62.8	63.7	1.0	62.8	62.8	0.1
A9	top floor	64.1	64.1	0.0	64.1	64.1	0.0	64.1	64.2	0.0	64.1	64.2	0.0	64.2	64.2	0.0	64.2	64.2	0.0	64.2	64.2	0.1	64.2	65.0	0.8	64.2	64.3	0.1
A10	at-grade	59.8	60.0	0.2	59.8	60.0	0.1	59.9	60.0	0.2	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.2	0.3	60.0	60.1	0.2
A10	3	61.2	61.4	0.2	61.3	61.4	0.2	61.3	61.4	0.2	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.6	0.2	61.4	61.6	0.3	61.4	61.6	0.2
A10	5	62.7	62.8	0.1	62.7	62.8	0.1	62.7	62.8	0.1	62.7	62.9	0.1	62.7	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.1	62.8	63.0	0.2	62.8	62.9	0.1
A10	10	64.1	64.2	0.1	64.1	64.2	0.0	64.1	64.2	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1
A10	top floor	65.5	65.5	0.0	65.5	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.6	0.0	65.6	65.7	0.0	65.6	65.7	0.1	65.7	65.7	0.0

Construction Noise Results (Bleecker Building Staging Option 2)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3 & 10 **Minimum Increase & Maximum Increase**

Note: Noise results for other years are the same values of Bleecker Building Staging Option1 (see Appendix E-3a)

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym			Zipper Tower																	Bleecker School								
		2013			2014			2015			2016			2017			2018			2019			2020			2021					
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change			
A11	at-grade	58.9	59.2	0.3	58.9	59.2	0.2	58.9	59.2	0.3	58.9	59.3	0.3	59.0	59.3	0.3	59.0	59.2	0.3	59.0	59.3	0.3	59.0	59.3	0.3	59.0	59.3	0.3			
A11	3	60.3	60.6	0.3	60.3	60.6	0.2	60.4	60.6	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3	60.4	60.7	0.3			
A11	5	61.8	61.9	0.2	61.8	61.9	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.1	0.2	61.9	62.0	0.2			
A11	10	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.4	0.1	63.3	63.3	0.1	63.3	63.4	0.1	63.3	63.4	0.1	63.3	63.4	0.1			
A11	top floor	64.6	64.7	0.1	64.6	64.7	0.0	64.6	64.7	0.0	64.6	64.7	0.1	64.7	64.7	0.1	64.7	64.7	0.0	64.7	64.7	0.1	64.7	64.8	0.1	64.7	64.8	0.1			
A12	at-garde	58.4	58.8	0.4	58.4	58.7	0.3	58.4	58.7	0.3	58.4	58.9	0.4	58.5	58.9	0.4	58.5	58.8	0.3	58.5	58.8	0.3	58.5	58.9	0.4	58.5	58.9	0.4			
A12	3	59.8	60.2	0.4	59.8	60.1	0.3	59.9	60.2	0.3	59.9	60.3	0.4	59.9	60.3	0.4	59.9	60.2	0.3	59.9	60.2	0.3	59.9	60.3	0.4	59.9	60.3	0.4			
A12	5	61.3	61.5	0.3	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.6	0.3	61.3	61.6	0.3	61.3	61.5	0.2	61.3	61.6	0.2	61.3	61.6	0.2	61.4	61.6	0.3			
A12	10	62.7	62.8	0.2	62.7	62.8	0.1	62.7	62.8	0.1	62.7	62.9	0.2	62.7	62.9	0.2	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.2			
A12	top floor	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.1	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1			
A13	at-grade	58.5	59.1	0.6	58.5	58.9	0.4	58.5	58.9	0.4	58.5	59.1	0.5	58.6	59.1	0.6	58.6	59.0	0.4	58.6	59.0	0.4	58.6	59.0	0.4	58.6	59.2	0.6			
A13	3	59.9	60.5	0.6	59.9	60.4	0.4	60.0	60.4	0.4	60.0	60.5	0.5	60.0	60.5	0.6	60.0	60.4	0.4	60.0	60.4	0.4	60.0	60.5	0.4	60.0	60.6	0.6			
A13	5	61.4	61.8	0.5	61.4	61.7	0.3	61.4	61.7	0.3	61.4	61.8	0.4	61.4	61.8	0.4	61.4	61.8	0.3	61.4	61.8	0.3	61.4	61.8	0.3	61.5	61.9	0.5			
A13	10	62.8	63.1	0.3	62.8	63.0	0.2	62.8	63.0	0.2	62.8	63.1	0.3	62.8	63.1	0.3	62.9	63.1	0.2	62.9	63.1	0.2	62.9	63.1	0.2	62.9	63.2	0.3			
A13	top floor	64.2	64.4	0.2	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.4	0.1	64.3	64.4	0.2	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.4	0.1	64.3	64.5	0.2			
A14	at-garde	58.9	59.7	0.8	58.9	59.5	0.6	58.9	59.5	0.6	58.9	59.7	0.8	59.0	59.8	0.8	59.0	59.6	0.6	59.0	59.6	0.6	59.0	59.6	0.6	59.0	59.8	0.8			
A14	3	60.3	61.5	1.1	60.3	61.1	0.7	60.4	61.1	0.7	60.4	61.4	1.0	60.4	61.4	1.0	60.4	61.2	0.8	60.4	61.1	0.7	60.4	61.2	0.7	60.4	61.4	1.0			
A14	5	61.8	62.7	1.0	61.8	62.3	0.5	61.8	62.3	0.5	61.8	62.5	0.7	61.8	62.6	0.8	61.8	62.4	0.6	61.8	62.4	0.5	61.8	62.4	0.5	61.9	62.8	0.9			
A14	10	63.2	63.8	0.6	63.2	63.5	0.3	63.2	63.5	0.3	63.2	63.6	0.4	63.2	63.7	0.4	63.3	63.6	0.3	63.3	63.5	0.3	63.3	63.6	0.3	63.3	63.8	0.6			
A14	top floor	64.6	64.9	0.3	64.6	64.8	0.1	64.6	64.8	0.2	64.6	64.9	0.2	64.7	64.9	0.2	64.7	64.8	0.2	64.7	64.8	0.1	64.7	64.8	0.1	64.7	65.0	0.3			
A15	at-grade	60.5	63.9	3.4	60.5	61.5	1.0	60.5	61.7	1.2	60.5	62.8	2.2	60.6	63.3	2.7	60.6	61.7	1.1	60.6	61.3	0.7	60.6	61.3	0.7	60.6	63.5	2.9			
A15	3	61.9	69.8	7.9	61.9	63.2	1.2	62.0	63.4	1.4	62.0	64.6	2.6	62.0	65.1	3.1	62.0	63.3	1.3	62.0	62.9	0.9	62.0	62.9	0.9	62.0	68.8	6.8			
A15	5	63.4	71.9	8.5	63.4	64.3	0.9	63.4	64.6	1.2	63.4	65.7	2.3	63.4	66.0	2.6	63.4	64.4	1.0	63.4	64.1	0.6	63.4	64.1	0.6	63.5	71.6	8.2			
A15	10	64.8	71.5	6.7	64.8	65.5	0.7	64.8	65.7	0.9	64.8	66.8	1.9	64.8	67.3	2.4	64.9	65.6	0.8	64.9	65.2	0.3	64.9	65.2	0.3	64.9	70.9	6.0			
A15	top floor	66.2	70.8	4.6	66.2	66.6	0.4	66.2	66.8	0.6	66.2	68.0	1.7	66.3	68.5	2.3	66.3	66.9	0.7	66.3	66.4	0.2	66.3	66.5	0.2	66.3	70.1	3.8			
B1	at-grade	58.4	62.3	3.9	58.4	59.0	0.6	58.4	59.0	0.6	58.4	60.3	1.9	58.5	60.6	2.1	58.5	59.4	0.9	58.5	59.0	0.5	58.5	59.1	0.6	58.5	61.0	2.5			
B1	3	59.8	74.5	14.7	59.8	60.6	0.7	59.9	60.6	0.8	59.9	61.8	1.9	59.9	62.1	2.2	59.9	61.0	1.1	59.9	60.6	0.7	59.9	60.7	0.7	59.9	71.6	11.7			
B1	5	61.3	74.4	13.2	61.3	61.8	0.6	61.3	61.9	0.6	61.3	62.9	1.6	61.3	63.3	2.0	61.3	62.2	0.8	61.3	61.8	0.5	61.3	61.8	0.5	61.4	71.6	10.3			
B1	10	62.7	73.3	10.6	62.7	63.1	0.3	62.7	63.1	0.4	62.7	64.2	1.5	62.7	64.5	1.7	62.8	63.4	0.6	62.8	63.0	0.3	62.8	63.1	0.3	62.8	71.0	8.2			
B1	top floor	64.1	71.8	7.7	64.1	64.3	0.2	64.1	64.3	0.2	64.1	65.1	0.9	64.2	65.2	1.1	64.2	64.5	0.4	64.2	64.3	0.1	64.2	64.4	0.2	64.2	70.1	5.9			
B2	at-grade	58.4	61.2	2.8	58.4	58.6	0.2	58.4	58.6	0.2	58.4	59.5	1.1	58.5	59.7	1.2	58.5	58.9	0.4	58.5	58.7	0.2	58.5	58.8	0.3	58.5	60.6	2.1			
B2	3	59.8	73.2	13.4	59.8	60.0	0.2	59.9	60.0	0.2	59.9	60.8	0.9	59.9	60.9	1.0	59.9	60.3	0.4	59.9	60.1	0.2	59.9	60.2	0.3	59.9	71.9	12.0			
B2	5	61.3	73.0	11.7	61.3	61.4	0.1	61.3	61.4	0.1	61.3	62.0	0.7	61.3	62.1	0.8	61.3	61.6	0.3	61.3	61.5	0.1	61.3	61.5	0.2	61.4	71.8	10.5			
B2	10	62.7	72.2	9.5	62.7	62.9	0.2	62.7	62.9	0.2	62.7	63.3	0.6	62.7	63.4	0.6	62.8	63.0	0.3	62.8	62.9	0.2	62.8	63.0	0.2	62.8	71.0	8.2			
B2	top floor	64.1	71.1	7.0	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.5	0.4	64.2	64.6	0.4	64.2	64.3	0.2	64.2	64.3	0.1	64.2	64.3	0.1	64.2	70.1	5.9			
B3	at-grade	58.4	63.8	5.4	58.4	58.5	0.1	58.4	58.6	0.1	58.4	59.3	0.8	58.5	59.4	0.9	58.5	58.8	0.3	58.5	58.7	0.2	58.5	58.8	0.3	58.5	63.1	4.6			
B3	3	59.8	70.4	10.6	59.8	59.9	0.1	59.9	60.0	0.1	59.9	60.5	0.7	59.9	60.6	0.7	59.9	60.2	0.3	59.9	60.1	0.2	59.9	60.3	0.3	59.9	70.0	10.0			
B3	5	61.3	70.5	9.3	61.3	61.3	0.1	61.3	61.4	0.1	61.3	61.8	0.5	61.3	61.9	0.6	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.5	0.2	61.4	70.1	8.8			
B3	10	62.7	70.2	7.6	62.7	62.8	0.1	62.7	62.8	0.1	62.7	63.1	0.4	62.7	63.1	0.4	62.8	62.9	0.1	62.8	62.9	0.1	62.8	63.0	0.2	62.8	69.7	6.9			
B3	top floor	64.1	69.8	5.7	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.4	0.3	64.2	64.4	0.3	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	69.2	5.0			
B4	at-grade	58.4	62.2	3.8	58.4	58.5	0.1	58.4	58.5	0.1	58.4	59.0	0.6	58.5	59.1	0.6	58.5	58.7	0.2	58.5	58.7	0.2	58.5	58.8	0.3	58.5	62.0	3.5			
B4	3	59.8	66.2	6.3	59.8	59.9	0.1	59.9	59.9	0.1	59.9	60.3	0.5	59.9	60.4	0.5	59.9	60.1	0.2	59.9	60.1	0.2	59.9	60.2	0.3	59.9	65.5	5.6			
B4	5	61.3	68.5	7.3	61.3	61.3	0.0	61.3	61.3	0.1	61.3	61.6	0.3	61.3	61.7	0.4	61.3	61.5	0.1	61.3	61.4	0.1	61.3	61.5	0.2	61.4	67.8	6.5			
B4	10	62.7	68.6	5.9	62.7	62.7	0.0	62.7	62.8	0.0	62.7	63.0	0.2	62.7	63.0	0.3	62.8	62.8	0.1	62.8	62.8	0.1	62.8	62.9	0.1	62.8	68.3	5.5			
B4	top floor	64.1	68.5	4.4	64.1	64.2	0.0	64.1	64.2	0.1	64.1	64.3	0.2	64.2	64.4	0.2	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	68.3	4.1			
B5	at-grade	58.4	61.6	3.2	58.4	58.5	0.1	58.4	58.5	0.1	58.4	58.8	0.4	58.5	58.9	0.4	58.5	58.7	0.2	58.5	58.8	0.3	58.5	59.0	0.5	58.5	61.3	2.8			
B5	3	59.8	64.1	4.2	59.8	59.9	0.0	59.9	59.9	0.1	59.9	60.2	0.3	59.9	60.2	0.3	59.9	60.1	0.2	59.9	60.2	0.2	59.9	60.3	0.4	59.9	63.5	3.6			
B5	5	61.3	66.3	5.0	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.4	0.1	61.3	61.5	0.2	61.3	61.6	0.3	61.4	65.5	4.2			
B5	10	62.7	66.9	4.2	62.7	62.7	0.0	62.7	62.8	0.0	62.7	62.9	0.2	62.7	62.9	0.2	62.8	62.8	0.1	62.8	62.9	0.1	62.8	63.0	0.2	62.8	66.7	3.9			
B5	top floor	64.1	67.3	3.2	64.1	64.1	0.0	64.1	64.2	0.0	64.1	64.3	0.1	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	67.1	2.9			
B6	at-grade	58.4	61.0	2.6	58.4	58.5	0.0	58.4	58.5	0.1	58.4	58.8	0.4	58.5	58.8	0.4	58.5	58.7	0.3	58.5	59.0	0.5	58.5	59.3	0.8	58.5	60.7	2.2			
B6	3	59.8	62.9	3.1	59.8	59.9	0.0	59.9	59.9	0.1	59.9	60.1	0.3	59.9	60.2	0.3	59.9	60.1	0.2	59.9	60.3	0.4	59.9	60.5	0.6	59.9	62.5	2.6			
B6	5	61.3	64.2	2.9	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.5	0.1	61.3	61.6	0.3	61.3	61.8	0.5	61.4	63.8	2.4			
B6	10	62.7	65.9	3.2	62.7	62.7	0.0	62.7	62.8	0.0	62.7	62.8	0.1	62.7	62.9	0.1	62.8	62.9	0.1	62.8	62.9	0.2	62.8	63.1	0.3	62.8	65.5	2.7			
B6	top floor	64.1	66.5	2.4	64.1	64.1	0.0	64.1	64.2	0.0	64.1	64.2	0.1	64.2	64.3	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.4	0.2	64.2	66.4	2.2			
B7	at-grade	58.4	60.6	2.2	58.4	58.5	0.0	58.4	58.5	0.1	58.4	58.7	0.3	58.5	58.8	0.3	58.5	58.8	0.3	58.5	59.1	0.6	58.5	59.4	0.9	58.5	60.5	2.0			
B7	3	59.8	62.4	2.6	59.8	59.9	0.0	59.9	59.9	0.1	59.9	60.1	0.2	59.9	60.1	0.3	59.9	60.1	0.2	59.9	60.3	0.4	59.9	60.6	0.7	59.9	62.1	2.2			
B7	5	61.3	63.4	2.2	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.5	0.2	61.3	61.6	0.3	61.3	61.9	0.5	61.4	63.2	1.9			
B7	10	62.7	65.3	2.6	62.7	62.7	0.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	62.9	0.1	62.8	62.9	0.1	62.8	63.0	0.2	62.8	63.2	0.4	62.8	65.0	2.2			
B7	top floor	64.1	66.1	2.0	64.1	64.1	0.0	64.1	64.2	0.0	64.1	64.2	0.1	64.2	64.2	0.1	64.2	64.2	0.1	64.2	64.3	0.1	64.2	64.4	0.2	64.2	66.0	1.8			

Construction Noise Results (Bleecker Building Staging Option 2)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3 & 10 Minimum Increase & Maximum Increase

Note: Noise results for other years are the same values of Bleecker Building Staging Option1 (see Appendix E-3a)

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym			Zipper Tower																Bleecker School								
		2013			2014			2015			2016			2017			2018			2019			2020			2021		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
B8	at-grade	58.4	60.2	1.8	58.4	58.4	0.0	58.4	58.5	0.1	58.4	58.7	0.2	58.4	58.7	0.2	58.4	58.8	0.3	58.4	59.1	0.6	58.4	59.5	1.0	58.5	60.1	1.7
B8	3	59.8	61.8	1.9	59.8	59.9	0.0	59.8	59.9	0.1	59.8	60.1	0.3	59.9	60.1	0.3	59.9	60.1	0.3	59.9	60.4	0.5	59.9	60.8	0.9	59.9	61.6	1.7
B8	5	61.3	62.8	1.6	61.3	61.3	0.0	61.3	61.3	0.0	61.3	61.4	0.1	61.3	61.4	0.1	61.3	61.5	0.3	61.3	61.8	0.5	61.3	62.5	1.2	61.3	62.8	1.5
B8	10	62.7	64.6	1.9	62.7	62.7	0.0	62.7	62.7	0.0	62.7	62.8	0.1	62.7	62.8	0.1	62.7	63.1	0.4	62.7	63.4	0.7	62.7	64.0	1.2	62.7	64.6	1.9
B8	top floor	64.1	65.6	1.5	64.1	64.1	0.0	64.1	64.1	0.0	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.4	0.2	64.1	64.6	0.4	64.1	64.9	0.8	64.2	65.6	1.4
B9	at-grade	58.9	59.1	0.2	58.9	59.1	0.2	58.9	59.2	0.3	58.9	59.4	0.4	59.0	59.4	0.4	59.0	59.6	0.6	59.0	59.9	1.0	59.0	61.2	2.2	59.0	59.6	0.6
B9	3	60.3	60.6	0.3	60.3	60.6	0.3	60.4	60.7	0.3	60.4	60.9	0.6	60.4	60.9	0.5	60.4	61.1	0.7	60.4	61.4	1.0	60.4	64.1	3.7	60.4	61.0	0.6
B9	5	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.0	0.2	61.8	62.1	0.3	61.8	62.1	0.3	61.8	63.3	1.5	61.8	64.5	2.7	61.8	67.8	5.9	61.9	63.5	1.6
B9	10	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.3	0.1	63.2	63.4	0.2	63.2	63.4	0.2	63.3	66.4	3.1	63.3	67.5	4.3	63.3	69.7	6.4	63.3	65.8	2.5
B9	top floor	64.6	64.7	0.1	64.6	64.7	0.1	64.6	64.7	0.1	64.6	64.8	0.1	64.7	64.8	0.1	64.7	66.5	1.8	64.7	67.5	2.8	64.7	69.8	5.1	64.7	66.2	1.5
B10	at-grade	59.8	60.6	0.8	59.8	60.9	1.1	59.8	61.2	1.3	59.8	62.9	3.1	59.8	62.7	2.9	59.8	64.4	4.5	59.8	66.2	6.4	59.8	68.2	8.3	59.9	64.4	4.6
B10	3	61.2	61.9	0.7	61.2	62.3	1.1	61.2	62.5	1.3	61.2	64.5	3.3	61.3	64.3	3.1	61.3	68.8	7.5	61.3	71.3	10.0	61.3	73.6	12.3	61.3	68.9	7.6
B10	5	62.7	63.1	0.4	62.7	63.5	0.8	62.7	63.7	1.0	62.7	65.5	2.8	62.7	65.4	2.7	62.7	72.1	9.4	62.7	75.0	12.3	62.7	77.4	14.7	62.7	72.4	9.7
B10	10	64.1	64.3	0.2	64.1	64.7	0.7	64.1	65.0	0.9	64.1	67.2	3.1	64.1	67.0	2.9	64.1	73.0	8.9	64.1	75.9	11.8	64.1	77.7	13.6	64.1	72.9	8.8
B10	top floor	65.5	65.6	0.1	65.5	66.0	0.5	65.5	66.3	0.7	65.5	68.1	2.5	65.5	67.8	2.3	65.5	71.4	5.9	65.5	74.1	8.5	65.5	76.3	10.7	65.6	71.2	5.6
B11	at-grade	63.4	63.9	0.5	63.4	64.0	0.6	63.4	64.1	0.7	63.4	65.4	2.0	63.5	65.4	1.9	63.5	66.1	2.6	63.5	67.6	4.1	63.5	69.3	5.8	63.5	66.2	2.7
B11	3	63.3	63.8	0.5	63.3	64.0	0.7	63.3	64.1	0.8	63.3	66.2	2.9	63.3	66.1	2.8	63.3	69.4	6.0	63.4	72.1	8.8	63.4	74.7	11.4	63.4	69.8	6.4
B11	5	63.2	63.6	0.4	63.2	64.0	0.8	63.2	64.3	1.1	63.2	66.4	3.2	63.2	66.3	3.0	63.2	72.5	9.2	63.3	76.0	12.8	63.3	79.1	15.9	63.3	74.0	10.7
B11	10	63.1	63.3	0.3	63.1	63.9	0.8	63.1	64.3	1.2	63.1	67.5	4.4	63.1	67.3	4.2	63.1	72.5	9.4	63.2	75.8	12.7	63.2	78.1	15.0	63.2	72.7	9.5
B11	top floor	62.9	63.1	0.2	62.9	63.8	0.9	62.9	64.4	1.4	62.9	67.7	4.7	63.0	67.4	4.5	63.0	70.7	7.7	63.0	73.8	10.8	63.0	76.3	13.3	63.0	70.6	7.6
B12	at-grade	63.4	63.7	0.3	63.4	63.9	0.5	63.4	64.0	0.6	63.4	65.6	2.1	63.5	65.5	2.1	63.5	65.4	1.9	63.5	66.5	3.0	63.5	68.2	4.7	63.5	65.4	1.9
B12	3	63.3	63.7	0.4	63.3	64.0	0.7	63.3	64.1	0.8	63.3	66.5	3.2	63.3	66.4	3.1	63.3	67.6	4.3	63.4	69.7	6.4	63.4	72.4	9.0	63.4	67.6	4.3
B12	5	63.2	63.5	0.4	63.2	64.1	0.9	63.2	64.4	1.1	63.2	67.1	3.9	63.2	67.0	3.8	63.2	69.6	6.4	63.3	72.1	8.9	63.3	75.1	11.8	63.3	69.3	6.0
B12	10	63.1	63.3	0.2	63.1	64.1	1.0	63.1	64.5	1.4	63.1	68.3	5.2	63.1	68.2	5.1	63.1	70.6	7.5	63.2	73.6	10.5	63.2	76.1	13.0	63.2	70.6	7.4
B12	top floor	62.9	63.1	0.2	62.9	64.1	1.2	62.9	64.4	1.4	62.9	68.5	5.6	63.0	68.2	5.3	63.0	69.6	6.6	63.0	72.2	9.3	63.0	74.9	11.9	63.0	69.3	6.3
B13	at-grade	62.1	62.7	0.6	62.1	63.1	1.0	62.2	63.4	1.2	62.2	65.5	3.3	62.2	65.5	3.3	62.2	64.4	2.2	62.2	65.1	2.9	62.2	66.7	4.5	62.3	64.1	1.9
B13	3	62.0	62.8	0.8	62.0	63.4	1.4	62.0	63.7	1.7	62.0	67.4	5.4	62.1	67.4	5.3	62.1	66.1	4.0	62.1	67.5	5.4	62.1	70.0	7.9	62.1	65.8	3.7
B13	5	61.9	62.4	0.6	61.9	63.8	1.9	61.9	64.4	2.4	61.9	68.0	6.1	62.0	68.0	6.0	62.0	67.3	5.3	62.0	69.1	7.1	62.0	72.0	10.0	62.0	66.8	4.8
B13	10	61.8	62.2	0.4	61.8	64.2	2.4	61.8	64.4	2.6	61.8	70.0	8.2	61.9	69.9	8.1	61.9	68.6	6.8	61.9	70.7	8.8	61.9	73.1	11.2	61.9	67.7	5.8
B13	top floor	61.6	61.9	0.3	61.6	64.3	2.7	61.7	64.2	2.6	61.7	70.1	8.4	61.7	69.9	8.2	61.7	68.0	6.3	61.7	70.0	8.3	61.7	72.6	10.8	61.8	67.0	5.3
B14	at-grade	63.3	63.7	0.4	63.3	64.2	0.9	63.3	64.5	1.2	63.3	66.7	3.4	63.4	67.0	3.6	63.4	64.9	1.6	63.4	65.1	1.7	63.4	66.4	3.0	63.4	64.5	1.1
B14	3	63.2	63.6	0.5	63.2	65.1	1.9	63.2	66.1	2.9	63.2	69.0	5.7	63.2	69.2	6.0	63.2	66.0	2.8	63.3	66.3	3.0	63.3	68.2	4.9	63.3	65.3	2.0
B14	5	63.1	63.5	0.4	63.1	66.0	2.9	63.1	66.5	3.4	63.1	70.6	7.4	63.1	70.9	7.8	63.1	67.4	4.3	63.2	66.9	3.7	63.2	69.1	5.9	63.2	65.6	2.4
B14	10	63.0	63.3	0.3	63.0	66.5	3.5	63.0	66.3	3.3	63.0	72.5	9.5	63.0	72.7	9.7	63.0	68.3	5.2	63.1	68.7	5.6	63.1	70.9	7.8	63.1	66.5	3.4
B14	top floor	62.8	63.1	0.3	62.8	66.1	3.3	62.8	66.0	3.2	62.8	72.2	9.4	62.9	72.1	9.2	62.9	67.9	5.0	62.9	68.4	5.5	62.9	70.6	7.7	62.9	66.1	3.2
B15	at-grade	63.2	63.6	0.4	63.2	64.1	0.9	63.2	64.5	1.3	63.2	67.3	4.0	63.3	67.8	4.5	63.3	64.8	1.6	63.3	64.7	1.4	63.3	65.7	2.5	63.3	64.2	0.9
B15	3	63.1	63.5	0.5	63.1	65.6	2.5	63.1	67.2	4.1	63.1	70.2	7.0	63.1	70.7	7.6	63.1	66.0	2.8	63.2	65.5	2.3	63.2	67.1	3.9	63.2	64.7	1.6
B15	5	63.0	63.4	0.5	63.0	66.7	3.7	63.0	67.4	4.4	63.0	73.3	10.3	63.0	73.8	10.8	63.0	67.9	4.9	63.1	65.8	2.7	63.1	67.8	4.7	63.1	64.8	1.8
B15	10	62.9	63.2	0.4	62.9	67.0	4.1	62.9	67.5	4.6	62.9	74.5	11.6	62.9	74.7	11.8	62.9	68.9	5.9	63.0	67.2	4.2	63.0	69.3	6.4	63.0	65.6	2.6
B15	top floor	62.7	63.0	0.3	62.7	66.5	3.8	62.7	67.2	4.5	62.7	73.8	11.0	62.8	73.6	10.8	62.8	68.2	5.4	62.8	67.3	4.5	62.8	69.3	6.5	62.8	65.3	2.5
B16	at-grade	64.0	64.4	0.4	64.0	64.9	0.9	64.0	65.2	1.2	64.0	68.3	4.2	64.1	68.9	4.9	64.1	65.8	1.7	64.1	65.2	1.1	64.1	66.0	1.9	64.1	64.9	0.8
B16	3	63.9	64.4	0.5	63.9	66.6	2.7	63.9	68.0	4.1	63.9	71.7	7.8	63.9	72.3	8.4	63.9	67.3	3.4	64.0	65.6	1.7	64.0	66.8	2.9	64.0	65.2	1.2
B16	5	63.8	64.3	0.5	63.8	68.0	4.2	63.8	68.4	4.6	63.8	74.5	10.7	63.8	74.9	11.1	63.8	70.5	6.6	63.9	65.8	2.0	63.9	67.2	3.3	63.9	65.2	1.3
B16	10	63.7	64.1	0.4	63.7	68.1	4.4	63.7	68.2	4.5	63.7	76.5	12.8	63.7	76.5	12.8	63.7	70.7	6.9	63.8	66.7	2.9	63.8	68.6	4.8	63.8	65.6	1.8
B16	top floor	63.5	63.8	0.3	63.5	67.3	3.8	63.5	67.9	4.4	63.5	75.3	11.8	63.6	75.0	11.5	63.6	69.4	5.8	63.6	66.8	3.2	63.6	68.6	5.0	63.6	65.3	1.7
B17	at-grade	64.0	64.5	0.5	64.0	65.0	0.9	64.1	65.3	1.2	64.1	69.0	4.9	64.1	69.6	5.5	64.1	66.3	2.2	64.1	65.1	1.0	64.1	65.7	1.6	64.2	64.9	0.7
B17	3	63.9	64.8	0.9	63.9	66.9	3.0	63.9	68.1	4.2	63.9	72.7	8.8	64.0	73.5	9.6	64.0	68.4	4.4	64.0	65.4	1.4	64.0	66.3	2.3	64.0	65.2	1.2
B17	5	63.8	64.7	1.0	63.8	68.1	4.2	63.8	68.4	4.6	63.8	76.3	12.4	63.9	76.9	13.1	63.9	71.7	7.8	63.9	65.5	1.6	63.9	66.5	2.6	63.9	65.2	1.2
B17	10	63.7	64.4	0.8	63.7	68.1	4.4	63.7	68.3	4.6	63.7	77.7	13.9	63.8	77.9	14.1	63.8	72.4	8.7	63.8	66.0	2.2	63.8	67.5	3.7	63.8	65.3	1.5
B17	top floor	63.5	64.1	0.6	63.5	67.5	4.0	63.6	67.9	4.3	63.6	76.2	12.7	63.6	76.1	12.5	63.6	70.5	6.9	63.6	66.1	2.5	63.6	67.6	4.0	63.7	65.1	1.4
B18	at-grade	64.0	65.9	1.9	64.0	64.8	0.8	64.0	64.9	0.9	64.0	67.1	3.1	64.1	67.7	3.6	64.1	65.4	1.4	64.1	64.5	0.4	64.1	64.5	0.4	64.1	65.1	1.0
B18	3	63.9	71.2	7.3	63.9	65.8	1.9	63.9	66.4	2.5	63.9	69.5	5.6	63.9	70.5	6.6	63.9	66.9	2.9	64.0	64.6	0.6	64.0	64.6	0.7	64.0	68.7	4.7
B18	5	63.8	72.4	8.7	63.8	66.7	2.9	63.8	67.0	3.2	63.8	72.2	8.4	63.8	73.3	9.5	63.8	68.6	4.7	63.9	64.5	0.6	63.9	64.5	0.6	63.9	68.9	5.0
B18	10	63.7	71.7	8.0	63.7	66.5	2.8	63.7	66.8	3.1	63.7	74.6	10.9	63.7	74.9	11.2	63.7	70.1	6.3	63.8	64.2	0.4	63.8	64.3	0.5	63.8	68.4	4.6
B18	top floor	63.5	70.5	7.0	63.5	66.1	2.6	63.5	66.4	2.9	63.5	73.4	9.8	63.6	73.7	10.2	63.6	68.7	5.1	63.6	63.9	0.3	63.6	63.9	0.3	63.6	67.7	4.1
C1	at-grade	66.5	66.5	0.0	66.5	66.7	0.1	66.5	66.6	0.1	66.5	67.7	1.2	66.6	67.5	0.9	66.6	67.0	0.4	66.6	67.4	0.8	66.6	67.1	0.5	66.6	66.7	0.1
C1	3	65.7	65.8	0.1	65.7	66.6	0.9	65.7	66.0	0.3	65.7	68.8	3.0	65.7	68.3	2.6	65.8	66.8	1.0	65.8	67.7	1.9	65.8	66.7	0.9	65.8	65.9	0.1
C1	5	64.9	65.0	0.1	64.9	66.8	1.9	64.9	65.3	0.4	64.9	70.3	5.4	64.9	70.4	5.5	65.0	66.7	1.8	65.0	68.0	3.1	65.0	67.7	2.7	65.0	65.6	0.6
C1	10	64.1	64.3	0.2	64.1	66.6	2.5	64.1	64.5	0.4	64.1	71.5	7.4	64.1	71.1	6.9	64.2	66.9	2.8	64.2	69.1	4.9	64.2	68.4	4.2	64.2	64.9	0.7
C1	15	63.3	63.5	0.2	63.3	65.7	2.4	63.3	63.8	0.5	63.3	71.1	7.8	63.3	69.6	6.2	63.4	66.6	3.3	63.4	68.8	5.4	63.4	68.2	4.8	63.4	64.2	0.8
C1	20	62.5	62.7	0.2	62.5	64.7	2.2	62.5	63.0	0.5	62.5	70.0	7.5	62.5	68.5	5.9	62.6	66.1	3.6	62.6	68.1	5.6	62.6	67.6	5.1	62.6	63.5	0.9
C1	25	61.7	61.9	0.2	61.7	63.8	2.1	61.7	62.2	0.5	61.7	68.9	7.2	61.7	68.9	7.2	61.8	65.3	3.6	61.8	67.4	5.6	61.8	66.9	5.1	61.8	62.7	1.0
C1	top floor	60.8	61.1	0.3	60.8	62.9	2.1	60.8	61.6	0.7	60.8	68.1	7.3	60.9	68.9	8.0	60.9	64.6	3.7	60.9	66.6	5.8	60.9	66.3	5.4	60.9	62.1	1.2

Construction Noise Results (Bleecker Building Staging Option 2)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3 & 10 Minimum Increase & Maximum Increase

Note: Noise results for other years are the same values of Bleecker Building Staging Option1 (see Appendix E-3a)

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym			Zipper Tower																Bleecker School								
		2013			2014			2015			2016			2017			2018			2019			2020			2021		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
C2	at-grade	66.5	66.6	0.1	66.5	66.8	0.2	66.6	67.2	0.7	66.6	68.2	1.6	66.6	67.9	1.3	66.6	66.8	0.1	66.7	66.7	0.0	66.7	66.7	0.0	66.7	66.7	0.0
C2	3	65.7	65.7	0.1	65.7	71.0	5.2	65.8	71.8	6.0	65.8	75.0	9.2	65.8	76.0	10.2	65.8	66.0	0.2	65.8	65.9	0.0	65.9	65.9	0.1	65.9	66.0	0.1
C2	5	64.9	65.0	0.1	64.9	71.4	6.5	65.0	71.6	6.7	65.0	74.0	9.0	65.0	74.6	9.6	65.0	65.2	0.2	65.0	65.1	0.1	65.1	65.2	0.1	65.1	65.1	0.0
C2	10	64.1	64.3	0.2	64.1	70.1	6.0	64.2	71.2	7.0	64.2	73.3	9.1	64.2	72.3	8.1	64.2	64.9	0.7	64.2	64.3	0.1	64.3	64.4	0.1	64.3	64.3	0.1
C2	15	63.3	63.5	0.2	63.3	69.0	5.7	63.4	70.6	7.3	63.4	73.6	10.3	63.4	70.7	7.3	63.4	65.1	1.7	63.4	63.5	0.1	63.5	63.6	0.2	63.5	63.5	0.1
C2	20	62.5	62.8	0.3	62.5	67.8	5.3	62.6	69.8	7.3	62.6	72.9	10.3	62.6	70.7	8.1	62.6	64.5	1.9	62.6	62.8	0.1	62.7	62.8	0.2	62.7	62.8	0.1
C2	25	61.7	62.0	0.3	61.7	66.7	4.9	61.8	69.0	7.3	61.8	71.4	9.6	61.8	71.0	9.3	61.8	63.3	1.5	61.8	62.0	0.1	61.9	62.0	0.2	61.9	62.0	0.1
C2	top floor	60.8	61.1	0.3	60.8	65.7	4.9	60.9	68.1	7.2	60.9	70.3	9.4	60.9	70.3	9.4	60.9	62.4	1.4	61.0	61.2	0.2	61.0	61.3	0.3	61.0	61.2	0.2
C3	at-grade	66.5	66.5	0.0	66.5	66.8	0.3	66.6	67.8	1.2	66.6	67.1	0.5	66.6	66.8	0.2	66.6	66.7	0.1	66.7	66.7	0.0	66.7	66.7	0.1	66.7	66.7	0.0
C3	3	65.7	65.7	0.1	65.7	67.8	2.1	65.8	71.0	5.3	65.8	67.0	1.2	65.8	66.2	0.4	65.8	65.9	0.1	65.8	65.9	0.1	65.9	66.0	0.1	65.9	65.9	0.0
C3	5	64.9	65.0	0.1	64.9	68.4	3.5	65.0	71.8	6.9	65.0	66.7	1.8	65.0	65.7	0.7	65.0	65.2	0.2	65.0	65.2	0.2	65.1	65.4	0.3	65.1	65.1	0.1
C3	10	64.1	64.2	0.1	64.1	67.9	3.7	64.2	71.5	7.3	64.2	66.7	2.5	64.2	65.5	1.3	64.2	64.5	0.3	64.2	64.6	0.4	64.3	64.9	0.7	64.3	64.4	0.1
C3	15	63.3	63.4	0.2	63.3	66.9	3.6	63.4	70.7	7.3	63.4	67.3	3.9	63.4	64.7	1.3	63.4	63.9	0.5	63.4	63.9	0.5	63.5	64.2	0.7	63.5	63.6	0.1
C3	20	62.5	62.6	0.2	62.5	66.0	3.5	62.6	69.9	7.3	62.6	66.9	4.3	62.6	64.2	1.6	62.6	63.2	0.6	62.6	63.2	0.5	62.7	63.5	0.8	62.7	62.8	0.1
C3	25	61.7	61.9	0.2	61.7	65.0	3.3	61.8	68.8	7.1	61.8	66.3	4.5	61.8	63.4	1.6	61.8	62.7	0.8	61.8	62.5	0.6	61.9	62.7	0.9	61.9	62.0	0.1
C3	top floor	60.8	61.0	0.2	60.8	64.1	3.2	60.9	67.9	7.1	60.9	65.5	4.6	60.9	63.9	3.0	60.9	61.9	0.9	61.0	61.9	0.9	61.0	62.2	1.2	61.0	61.1	0.1
C4	at-grade	66.5	66.5	0.0	66.5	66.6	0.0	66.6	66.6	0.1	66.6	66.7	0.2	66.6	66.7	0.2	66.6	67.0	0.4	66.6	67.5	0.9	66.6	67.3	0.6	66.7	66.7	0.1
C4	3	65.7	65.8	0.1	65.7	65.8	0.1	65.7	65.9	0.1	65.8	66.0	0.3	65.8	66.0	0.3	65.8	66.9	1.1	65.8	67.9	2.1	65.8	67.2	1.4	65.8	65.9	0.1
C4	5	64.9	65.0	0.1	64.9	65.0	0.1	64.9	65.1	0.2	65.0	65.3	0.4	65.0	65.3	0.3	65.0	67.2	2.2	65.0	68.8	3.8	65.0	67.9	2.9	65.0	65.3	0.2
C4	10	64.1	64.2	0.1	64.1	64.2	0.1	64.1	64.4	0.3	64.2	64.7	0.5	64.2	64.6	0.4	64.2	67.2	3.0	64.2	69.6	5.4	64.2	68.7	4.5	64.2	64.5	0.3
C4	15	63.3	63.4	0.1	63.3	63.5	0.1	63.3	63.6	0.3	63.4	63.9	0.6	63.4	63.8	0.5	63.4	66.7	3.3	63.4	69.2	5.8	63.4	68.6	5.2	63.4	63.7	0.3
C4	20	62.5	62.6	0.1	62.5	62.7	0.1	62.5	62.9	0.3	62.6	63.1	0.6	62.6	63.1	0.5	62.6	66.0	3.4	62.6	68.6	6.0	62.6	68.0	5.4	62.6	63.0	0.3
C4	25	61.7	61.8	0.1	61.7	61.9	0.1	61.7	62.1	0.3	61.8	62.4	0.6	61.8	62.3	0.5	61.8	65.2	3.4	61.8	67.8	6.0	61.8	67.2	5.4	61.8	62.2	0.4
C4	top floor	60.8	60.9	0.1	60.8	61.0	0.2	60.9	61.4	0.5	60.9	61.9	1.0	60.9	62.1	1.2	60.9	64.4	3.5	60.9	67.0	6.1	60.9	66.5	5.6	61.0	61.3	0.4
D1	at-grade	63.4	63.5	0.1	63.4	63.8	0.4	63.4	64.0	0.6	63.4	64.0	0.5	63.5	63.7	0.2	63.5	64.2	0.8	63.5	65.0	1.5	63.5	64.5	1.1	63.5	63.6	0.1
D1	3	65.1	65.2	0.1	65.1	65.7	0.6	65.1	66.1	0.9	65.1	65.8	0.7	65.2	65.4	0.2	65.2	66.3	1.1	65.2	67.4	2.3	65.2	66.6	1.5	65.2	65.3	0.1
D1	5	66.5	66.5	0.0	66.5	67.2	0.6	66.5	67.6	1.1	66.5	67.1	0.6	66.6	66.8	0.2	66.6	68.1	1.6	66.6	69.5	2.9	66.6	68.1	1.5	66.6	66.7	0.1
D1	10	69.1	69.1	0.0	69.1	69.7	0.5	69.1	70.0	0.8	69.1	69.5	0.4	69.2	69.4	0.2	69.2	70.3	1.1	69.2	71.3	2.2	69.2	70.8	1.6	69.2	69.2	0.0
D1	15	69.2	69.2	0.0	69.2	69.8	0.6	69.2	70.0	0.8	69.2	69.8	0.5	69.3	69.5	0.3	69.3	70.3	1.0	69.3	71.3	2.0	69.3	71.1	1.8	69.3	69.3	0.0
D1	20	68.8	68.8	0.0	68.8	69.4	0.6	68.8	69.6	0.8	68.8	69.4	0.6	68.9	69.4	0.5	68.9	69.9	1.0	68.9	70.9	2.0	68.9	70.7	1.8	68.9	68.9	0.0
D1	25	68.3	68.3	0.0	68.3	68.9	0.5	68.3	69.1	0.7	68.3	69.1	0.8	68.4	69.0	0.7	68.4	69.3	1.0	68.4	70.3	1.9	68.4	70.1	1.7	68.4	68.4	0.0
D1	top floor	68.2	68.2	0.0	68.2	68.7	0.5	68.2	68.9	0.7	68.2	69.1	0.9	68.3	68.9	0.7	68.3	69.1	0.8	68.3	70.0	1.7	68.3	69.8	1.5	68.3	68.3	0.0
D2	at-grade	63.9	64.0	0.1	63.9	64.8	0.9	64.0	66.4	2.5	64.0	65.4	1.5	64.0	64.4	0.4	64.0	64.2	0.1	64.1	64.2	0.1	64.1	64.2	0.2	64.1	64.2	0.1
D2	3	66.6	66.7	0.1	66.6	68.1	1.4	66.7	70.3	3.7	66.7	68.3	1.6	66.7	67.1	0.4	66.7	66.8	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.8	66.9	0.1
D2	5	66.8	66.9	0.1	66.8	69.0	2.1	66.9	72.0	5.1	66.9	69.4	2.5	66.9	67.4	0.5	66.9	67.0	0.1	67.0	67.1	0.1	67.0	67.1	0.1	67.0	67.1	0.1
D2	10	66.2	66.3	0.1	66.2	69.1	2.9	66.3	72.7	6.4	66.3	69.5	3.2	66.3	67.3	1.0	66.3	66.4	0.1	66.4	66.5	0.1	66.4	66.5	0.2	66.4	66.5	0.1
D2	15	65.2	65.4	0.2	65.2	68.3	3.0	65.3	71.8	6.5	65.3	69.5	4.2	65.3	66.5	1.2	65.3	65.5	0.1	65.4	65.5	0.1	65.4	65.5	0.2	65.4	65.5	0.1
D2	20	64.0	64.2	0.2	64.0	67.3	3.2	64.1	70.6	6.5	64.1	68.7	4.6	64.1	65.9	1.8	64.1	64.3	0.2	64.2	64.3	0.2	64.2	64.4	0.2	64.2	64.3	0.1
D2	25	62.8	63.0	0.2	62.8	66.2	3.4	62.9	69.3	6.4	62.9	67.9	5.0	62.9	65.5	2.6	62.9	63.2	0.3	63.0	63.1	0.2	63.0	63.2	0.2	63.0	63.1	0.1
D2	top floor	62.0	62.2	0.2	62.0	65.4	3.4	62.1	68.4	6.4	62.1	67.8	5.7	62.1	65.2	3.1	62.1	62.5	0.4	62.2	62.5	0.3	62.2	62.5	0.3	62.2	62.3	0.1
D3	at-grade	68.5	68.7	0.2	68.5	68.8	0.3	68.6	69.3	0.7	68.6	69.2	0.6	68.6	68.8	0.2	68.6	68.8	0.1	68.7	68.8	0.1	68.7	68.8	0.2	68.7	68.8	0.1
D3	3	69.8	70.0	0.2	69.8	70.2	0.4	69.9	70.9	1.1	69.9	70.8	0.9	69.9	70.1	0.2	69.9	70.1	0.1	70.0	70.1	0.1	70.0	70.1	0.1	70.0	70.1	0.1
D3	5	69.4	69.6	0.2	69.4	70.0	0.6	69.5	71.3	1.8	69.5	71.1	1.6	69.5	69.7	0.2	69.5	69.7	0.1	69.6	69.7	0.1	69.6	69.7	0.1	69.6	69.7	0.1
D3	10	67.9	68.1	0.2	67.9	68.6	0.7	68.0	71.0	3.1	68.0	70.8	2.8	68.0	68.2	0.2	68.0	68.2	0.1	68.1	68.2	0.1	68.1	68.2	0.2	68.1	68.2	0.1
D3	15	66.4	66.6	0.2	66.4	67.3	0.9	66.5	70.4	4.0	66.5	69.8	3.3	66.5	66.7	0.2	66.5	66.7	0.1	66.6	66.7	0.1	66.6	66.7	0.2	66.6	66.7	0.1
D3	20	65.2	65.3	0.1	65.2	66.2	0.9	65.3	69.5	4.2	65.3	68.7	3.4	65.3	65.6	0.2	65.3	65.5	0.1	65.4	65.5	0.1	65.4	65.5	0.2	65.4	65.5	0.1
D3	25	63.9	64.1	0.2	63.9	64.9	1.0	64.0	68.2	4.3	64.0	67.6	3.6	64.0	64.3	0.3	64.0	64.2	0.1	64.1	64.2	0.2	64.1	64.3	0.2	64.1	64.2	0.1
D3	top floor	63.0	63.2	0.2	63.0	64.1	1.0	63.1	67.3	4.3	63.1	66.8	3.7	63.1	63.7	0.6	63.1	63.3	0.2	63.2	63.4	0.2	63.2	63.4	0.2	63.2	63.3	0.1
D4	at-grade	63.9	64.0	0.1	63.9	64.0	0.1	64.0	64.1	0.2	64.0	64.2	0.2	64.0	64.2	0.2	64.0	64.7	0.7	64.0	65.4	1.4	64.0	64.8	0.8	64.1	64.2	0.1
D4	3	66.4	66.5	0.1	66.4	66.5	0.1	66.5	66.6	0.1	66.5	66.7	0.2	66.5	66.6	0.2	66.5	67.4	0.9	66.5	68.3	1.8	66.5	67.5	0.9	66.6	66.7	0.1
D4	5	66.6	66.7	0.1	66.6	66.7	0.1	66.7	66.8	0.1	66.7	66.9	0.2	66.7	66.8	0.2	66.7	68.2	1.5	66.7	69.5	2.8	66.7	68.2	1.4	66.8	66.9	0.1
D4	10	66.0	66.1	0.1	66.0	66.1	0.1	66.1	66.2	0.2	66.1	66.3	0.2	66.1	66.2	0.2	66.1	68.0	1.9	66.1	69.6	3.5	66.1	68.4	2.2	66.2	66.3	0.1
D4	15	64.9	65.0	0.1	64.9	65.0	0.1	65.0	65.1	0.2	65.0	65.2	0.3	65.0	65.2	0.2	65.0	67.2	2.2	65.0	68.9	3.9	65.0	67.8	2.8	65.1	65.2	0.1
D4	20	64.0	64.1	0.1	64.0	64.1	0.1	64.1	64.2	0.2	64.1	64.3	0.3	64.1	64.3	0.2	64.1	66.5	2.4	64.1	68.3	4.2	64.1	67.0	2.9	64.2	64.3	0.1
D4	25	63.0	63.1	0.1	63.0	63.1	0.1	63.1	63.2	0.2	63.1	63.4	0.3	63.1	63.3	0.2	63.1	65.6	2.5	63.1	67.5	4.4	63.1	66.1	3.0	63.2	63.3	0.2
D4	top floor	62.2	62.3	0.1	62.2	62.4	0.2	62.3	62.5	0.3	62.3	62.8	0.5	62.3	62.8	0.5	62.3	64.8	2.5	62.3	66.8	4.5	62.3	65.4	3.0	62.4	62.6	0.3
E1	at-grade	63.4	63.5	0.1	63.4	63.7	0.2	63.5	64.1	0.7	63.5	63.8	0.3	63.5	63.7	0.2	63.5	63.6	0.1	63.5	63.7	0.2	63.5	63.9	0.3	63.6	63.7	0.1
E1	3	65.2	65.3	0.1	65.2	65.5	0.2	65.3	66.0	0.7	65.3	65.6	0.4	65.3	65.5	0.2	65.3	65.6	0.3	65.3	66.9	1.6	65.3	66.9	1.6	65.4	65.5	0.1
E1	5	66.8	66.8	0.0	66.8	67.2	0.3	66.9	67.8	0.9	66.9	67.2	0.3	66.9	67.1	0.2	66.9	67.4	0.5	66.9	68.3	1.3	66.9	68.6	1.6	67.0	67.0	0.1
E1	10	66.9	67.0	0.1	66.9	67.3	0.4	67.0	68.0	1.1	67.0	67.4	0.4	67.0	67.3	0.3	67.0	67.4	0.4	67.0	68.4	1.4	67.0	68.4	1.4	67.1	67.1	0.1
E1	15	66.4	66.5	0.1	66.4	66.9	0.5	66.5	67.7	1.3	66.5	67.1	0.6	66.5	66.9	0.4	66.5	66.9	0.4	66.5	67.8	1.3	66.5	67.8	1.3	66.6	66.6	0.1
E1	20	65.6	65.7	0.1	65.6	66.2	0.6	65.7	67.1	1.4	65.7	66.5	0.8	65.7	66.2	0.5	65.7	66.1	0.4	65.7	67.0	1.2	65.7	66.9	1.2	65.8	65.8	0.1
E1	25	64.7	64.8	0.1	64.7	65.5	0.7	64.8	66.3	1.6	64.8	65.7	0.9	64.8	65.4	0.6	64.8	65.2	0.4	64.8	66.0	1.2	64.8	65.9	1.1	64.9	65.0	0.1
E1	top floor	64.0	64.1	0.1	64.0	64.8	0.8	64.1	65.8	1.7	64.1	65.2	1.2	64.1	64.8	0.7	64.1	64.6	0.5	64.1	65.4	1.3	64.1	65.3	1.2	64.2	64.3	0.2

Construction Noise Results (Bleecker Building Staging Option 2)

Exceed Leq 65 dBA

Exceed 3 dBA or more

Exceed CEQR Noise Criteria

3 & 10 **Minimum Increase & Maximum Increase**

Note: Noise results for other years are the same values of Bleecker Building Staging Option1 (see Appendix E-3a)

CadnaA Receptor Sites	Elevation (floor)	Temporary Gym			Zipper Tower																Bleecker School								
		2013			2014			2015			2016			2017			2018			2019			2020			2021		
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
E2	at-grade	64.7	64.8	0.1	64.7	64.8	0.1	64.8	64.8	0.1	64.8	64.9	0.1	64.8	64.9	0.1	64.8	64.9	0.1	64.8	65.0	0.2	64.8	65.1	0.2	64.9	65.0	0.1
E2	3	67.1	67.2	0.1	67.1	67.3	0.1	67.2	67.4	0.2	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.4	0.1	67.2	67.4	0.2	67.3	67.3	0.1
E2	5	68.3	68.4	0.1	68.3	68.4	0.1	68.4	68.5	0.2	68.4	68.5	0.1	68.4	68.5	0.1	68.4	68.5	0.1	68.4	68.5	0.1	68.4	68.6	0.2	68.5	68.5	0.1
E2	10	67.9	68.0	0.1	67.9	68.1	0.1	68.0	68.2	0.2	68.0	68.1	0.2	68.0	68.1	0.1	68.0	68.1	0.1	68.0	68.1	0.1	68.0	68.2	0.2	68.1	68.1	0.1
E2	15	67.1	67.2	0.1	67.1	67.3	0.2	67.2	67.4	0.3	67.2	67.3	0.2	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.3	0.1	67.2	67.4	0.2	67.3	67.3	0.1
E2	20	66.2	66.3	0.1	66.2	66.4	0.2	66.3	66.6	0.3	66.3	66.5	0.2	66.3	66.4	0.1	66.3	66.4	0.1	66.3	66.4	0.1	66.3	66.5	0.2	66.4	66.4	0.1
E2	25	65.2	65.3	0.1	65.2	65.5	0.2	65.3	65.7	0.4	65.3	65.5	0.2	65.3	65.4	0.1	65.3	65.4	0.1	65.3	65.4	0.1	65.3	65.5	0.2	65.4	65.4	0.1
E2	top floor	64.5	64.6	0.1	64.5	64.8	0.3	64.6	65.0	0.5	64.6	64.9	0.4	64.6	64.8	0.2	64.6	64.7	0.1	64.6	64.8	0.2	64.6	64.9	0.2	64.7	64.7	0.1
E3	at-grade	63.4	63.5	0.1	63.4	63.5	0.1	63.4	63.5	0.1	63.4	63.6	0.1	63.5	63.6	0.1	63.5	64.2	0.7	63.5	64.5	1.1	63.5	64.4	0.9	63.5	63.7	0.2
E3	3	65.9	66.0	0.1	65.9	66.0	0.1	65.9	66.0	0.1	65.9	66.0	0.1	66.0	66.0	0.1	66.0	68.0	2.0	66.0	69.1	3.1	66.0	67.2	1.2	66.0	66.1	0.1
E3	5	66.8	66.9	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.8	66.9	0.1	66.9	66.9	0.1	66.9	69.2	2.3	66.9	70.7	3.8	66.9	69.2	2.3	66.9	67.0	0.1
E3	10	66.4	66.5	0.1	66.4	66.5	0.1	66.4	66.5	0.1	66.4	66.6	0.1	66.5	66.6	0.1	66.5	68.9	2.5	66.5	70.6	4.1	66.5	69.9	3.4	66.5	66.6	0.1
E3	15	65.7	65.8	0.1	65.7	65.8	0.1	65.7	65.8	0.1	65.7	65.9	0.1	65.8	65.9	0.1	65.8	68.1	2.4	65.8	69.8	4.0	65.8	71.1	5.3	65.8	65.9	0.1
E3	20	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.2	0.1	65.1	65.3	0.1	65.2	65.3	0.1	65.2	67.5	2.3	65.2	69.1	3.9	65.2	70.5	5.3	65.2	65.3	0.1
E3	25	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.3	0.1	64.2	64.4	0.1	64.3	64.4	0.1	64.3	66.4	2.1	64.3	67.9	3.7	64.3	69.1	4.8	64.3	64.5	0.2
E3	top floor	63.6	63.7	0.1	63.6	63.7	0.1	63.6	63.8	0.1	63.6	63.9	0.3	63.7	63.8	0.2	63.7	65.7	2.1	63.7	67.3	3.6	63.7	68.1	4.4	63.7	63.9	0.2
E4	at-grade	63.4	63.4	0.0	63.4	63.4	0.0	63.4	63.5	0.0	63.4	63.7	0.3	63.4	63.8	0.4	63.4	64.6	1.2	63.4	65.8	2.4	63.4	65.1	1.7	63.5	63.8	0.3
E4	3	67.2	67.2	0.0	67.2	67.2	0.0	67.2	67.3	0.0	67.2	67.4	0.2	67.2	67.4	0.2	67.2	71.2	3.9	67.2	73.8	6.5	67.2	70.2	2.9	67.3	67.4	0.2
E4	5	68.8	68.8	0.0	68.8	68.9	0.0	68.8	68.9	0.1	68.8	69.0	0.2	68.8	69.0	0.2	68.8	72.8	4.0	68.8	75.3	6.5	68.8	73.8	4.9	68.9	69.0	0.1
E4	10	69.2	69.2	0.0	69.2	69.3	0.0	69.2	69.3	0.1	69.2	69.5	0.2	69.2	69.5	0.3	69.2	72.4	3.1	69.2	74.7	5.4	69.2	72.6	3.4	69.3	69.3	0.1
E4	15	68.7	68.7	0.0	68.7	68.8	0.1	68.7	68.8	0.1	68.7	69.0	0.3	68.7	69.1	0.4	68.7	71.5	2.8	68.7	73.7	4.9	68.7	73.9	5.1	68.8	68.9	0.1
E4	20	68.0	68.0	0.0	68.0	68.1	0.1	68.0	68.2	0.1	68.0	68.4	0.3	68.0	68.5	0.4	68.0	70.6	2.5	68.0	72.7	4.7	68.0	73.0	4.9	68.1	68.4	0.4
E4	25	67.0	67.0	0.0	67.0	67.1	0.1	67.0	67.2	0.2	67.0	67.4	0.4	67.0	67.5	0.5	67.0	69.3	2.3	67.0	71.3	4.3	67.0	71.3	4.2	67.1	67.7	0.6
E4	top floor	66.6	66.6	0.0	66.6	66.7	0.1	66.6	66.8	0.2	66.6	67.1	0.5	66.6	67.2	0.6	66.6	68.6	2.0	66.6	70.5	3.9	66.6	70.2	3.5	66.7	67.3	0.6
F	at-grade	70.5	70.6	0.1	70.5	70.7	0.2	70.6	71.1	0.5	70.6	71.4	0.8	70.6	70.7	0.1	70.6	70.7	0.1	70.6	70.8	0.1	70.6	70.7	0.1	70.7	70.7	0.1
F	3	71.8	71.9	0.1	71.8	72.2	0.4	71.9	72.7	0.9	71.9	72.8	0.9	71.9	72.0	0.1	71.9	72.0	0.1	71.9	72.1	0.2	71.9	72.0	0.1	72.0	72.0	0.1
F	5	71.3	71.4	0.1	71.3	72.1	0.8	71.4	73.1	1.8	71.4	72.8	1.4	71.4	71.6	0.2	71.4	71.5	0.1	71.4	71.6	0.2	71.4	71.6	0.1	71.5	71.5	0.1
F	top floor	70.0	70.1	0.1	70.0	71.4	1.4	70.1	73.3	3.2	70.1	73.5	3.4	70.1	70.5	0.5	70.1	70.3	0.2	70.1	70.5	0.4	70.1	70.3	0.2	70.2	70.2	0.1
G	at-grade	68.5	68.6	0.1	68.5	68.8	0.2	68.6	69.1	0.5	68.6	69.3	0.7	68.6	68.8	0.2	68.6	68.7	0.1	68.7	68.7	0.1	68.7	68.8	0.1	68.7	68.8	0.1
G	3	69.9	70.0	0.1	69.9	70.2	0.3	70.0	70.6	0.6	70.0	70.8	0.8	70.0	70.2	0.2	70.0	70.1	0.1	70.1	70.1	0.1	70.1	70.2	0.1	70.1	70.2	0.1
G	5	69.5	69.6	0.1	69.5	70.0	0.5	69.6	70.6	1.1	69.6	70.7	1.1	69.6	69.9	0.2	69.6	69.8	0.1	69.7	69.8	0.2	69.7	69.8	0.1	69.7	69.8	0.1
G	top floor	68.7	68.8	0.1	68.7	69.6	0.8	68.8	70.5	1.8	68.8	70.9	2.1	68.8	69.2	0.4	68.8	69.0	0.1	68.9	69.1	0.2	68.9	69.0	0.1	68.9	69.0	0.1
H	at-grade	69.9	69.9	0.0	69.9	70.0	0.0	70.0	70.0	0.0	70.0	70.0	0.1	70.0	70.0	0.0	70.0	70.1	0.1	70.0	70.2	0.2	70.0	70.2	0.1	70.1	70.1	0.0
H	3	72.4	72.5	0.1	72.4	72.5	0.1	72.5	72.6	0.1	72.5	72.6	0.2	72.5	72.5	0.0	72.5	72.6	0.1	72.5	72.7	0.2	72.5	72.7	0.1	72.6	72.6	0.0
H	top floor	72.8	72.9	0.1	72.8	72.9	0.1	72.9	73.0	0.1	72.9	73.0	0.2	72.9	72.9	0.0	72.9	73.0	0.1	72.9	73.1	0.2	72.9	73.1	0.1	73.0	73.0	0.0
I	at-grade	65.0	65.2	0.2	65.0	65.3	0.2	65.0	65.4	0.3	65.0	65.5	0.5	65.1	65.5	0.4	65.1	66.2	1.1	65.1	67.0	1.9	65.1	66.7	1.6	65.1	65.4	0.3
I	3	64.3	64.6	0.3	64.3	64.6	0.3	64.3	64.8	0.4	64.3	65.1	0.8	64.4	65.0	0.7	64.4	68.2	3.8	64.4	70.1	5.7	64.4	69.2	4.8	64.4	64.8	0.4
I	top floor	63.1	63.4	0.3	63.1	63.5	0.4	63.1	63.7	0.6	63.1	64.3	1.2	63.2	64.1	1.0	63.2	70.1	6.9	63.2	72.6	9.4	63.2	72.1	8.9	63.2	63.8	0.6
J	at-grade	63.0	63.4	0.4	63.0	63.2	0.2	63.0	63.3	0.2	63.0	63.7	0.7	63.1	63.6	0.6	63.1	64.3	1.3	63.1	65.2	2.1	63.1	66.7	3.6	63.1	64.6	1.5
J	3	62.7	63.5	0.8	62.7	63.1	0.4	62.7	63.3	0.5	62.7	64.1	1.3	62.8	64.0	1.2	62.8	65.4	2.6	62.8	66.9	4.1	62.8	69.1	6.4	62.8	65.7	2.9
J	5	61.6	62.6	1.0	61.6	62.1	0.5	61.6	62.4	0.7	61.6	62.9	1.3	61.7	62.6	0.9	61.7	67.3	5.6	61.7	69.7	8.1	61.7	72.0	10.3	61.7	67.7	6.0
J	top floor	60.6	61.8	1.2	60.6	61.4	0.8	60.6	61.6	1.0	60.6	62.6	2.0	60.7	62.2	1.5	60.7	67.7	7.0	60.7	70.3	9.6	60.7	72.8	12.1	60.7	68.3	7.6
K	at-grade	61.9	62.0	0.1	61.9	61.9	0.0	61.9	61.9	0.0	61.9	62.0	0.1	61.9	62.0	0.1	61.9	62.2	0.3	61.9	62.4	0.5	61.9	63.1	1.2	62.0	62.3	0.4
K	3	61.6	62.6	1.0	61.6	61.6	0.0	61.6	61.7	0.0	61.6	61.8	0.1	61.6	61.8	0.1	61.6	62.0	0.4	61.6	62.3	0.6	61.6	63.4	1.8	61.7	62.7	1.1
K	top floor	59.8	61.3	1.5	59.8	59.9	0.1	59.8	59.9	0.1	59.8	60.0	0.1	59.8	60.1	0.2	59.8	60.7	0.9	59.8	61.3	1.5	59.8	63.2	3.4	59.9	61.8	1.9
L	at-grade	62.8	63.2	0.4	62.8	63.2	0.4	62.8	63.2	0.4	62.8	63.2	0.4	62.9	63.2	0.4	62.9	63.2	0.4	62.9	63.3	0.4	62.9	63.3	0.4	62.9	63.3	0.4
L	3	61.7	62.1	0.4	61.7	62.1	0.3	61.7	62.1	0.3	61.7	62.1	0.4	61.8	62.1	0.4	61.8	62.1	0.4	61.8	62.2	0.4	61.8	62.2	0.4	61.8	62.2	0.4
L	5	60.2	60.6	0.4	60.2	60.5	0.3	60.2	60.6	0.3	60.2	60.6	0.4	60.3	60.6	0.4	60.3	60.6	0.4	60.3	60.7	0.4	60.3	60.7	0.4	60.3	60.7	0.4
L	10	57.6	57.9	0.3	57.6	57.9	0.3	57.6	57.9	0.3	57.6	58.0	0.4	57.7	58.0	0.4	57.7	58.0	0.3	57.7	58.0	0.3	57.7	58.1	0.4	57.7	58.1	0.4
L	top floor	56.8	57.1	0.3	56.8	57.1	0.3	56.8	57.1	0.3	56.8	57.3	0.4	56.9	57.3	0.4	56.9	57.2	0.3	56.9	57.2	0.4	56.9	57.4	0.5	56.9	57.3	0.4
M	at-grade	62.2	62.7	0.5	62.2	62.7	0.4	62.3	62.7	0.4	62.3	62.7	0.5	62.3	62.8	0.5	62.3	62.8	0.5	62.3	62.8	0.5	62.3	62.8	0.5	62.4	62.8	0.5
M	3	60.9	61.4	0.5	60.9	61.4	0.4	61.0	61.4	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.0	61.5	0.5	61.1	61.5	0.5
M	5	59.2	59.8	0.6	59.2	59.7	0.5	59.3	59.7	0.5	59.3	59.8	0.6	59.3	59.8	0.6	59.3	59.8	0.5	59.3	59.8	0.5	59.3	59.9	0.5	59.4	59.9	0.5
M	top floor	56.0	56.7	0.7	56.0	56.6	0.6	56.1	56.6	0.6	56.1	56.8	0.7	56.1	56.8	0.8	56.1	56.7	0.6	56.1	56.7	0.6	56.1	56.8	0.6	56.2	56.9	0.7
N	at-grade	62.3	62.8	0.5	62.3	62.8	0.5	62.3	62.8	0.5	62.3	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5	62.4	62.9	0.5
N	3	61.2	61.9	0.7	61.2	61.8	0.6	61.2	61.8	0.6	61.2	62.0	0.7	61.3	62.0	0.7	61.3	61.9	0.6	61.3	61.9	0.6	61.3	61.9	0.6	61.3	61.9	0.6
N	5	59.7	60.6	0.9	59.7	60.5	0.7	59.7	60.5	0.8	59.7	60.7	0.9	59.8	60.7	0.9	59.8	60.5	0.8	59.8	60.5	0.7	59.8	60.5	0.8	59.8	60.7	0.9
N	10	57.1	58.4	1.3	57.1	58.1	0.9	57.1	58.1	1.0	57.1	58.3	1.2	57.2	58.4	1.2	57.2	58.2	1.0	57.2	58.1	1.0	57.2	58.2	1.0	57.2	58.5	1.3
N	top floor	55.9	57.4	1.5	55.9	57.0	1.1	55.9	57.0	1.1	55.9	57.3	1.3	56.0	57.4	1.4	56.0	57.1	1.1	56.0	57.0	1.0	56.0	57.1	1.1	56.0	57.4	1.4

Construction Noise Results (Bleecker Building Staging Option 2)

Exceed Leq 65 dBA

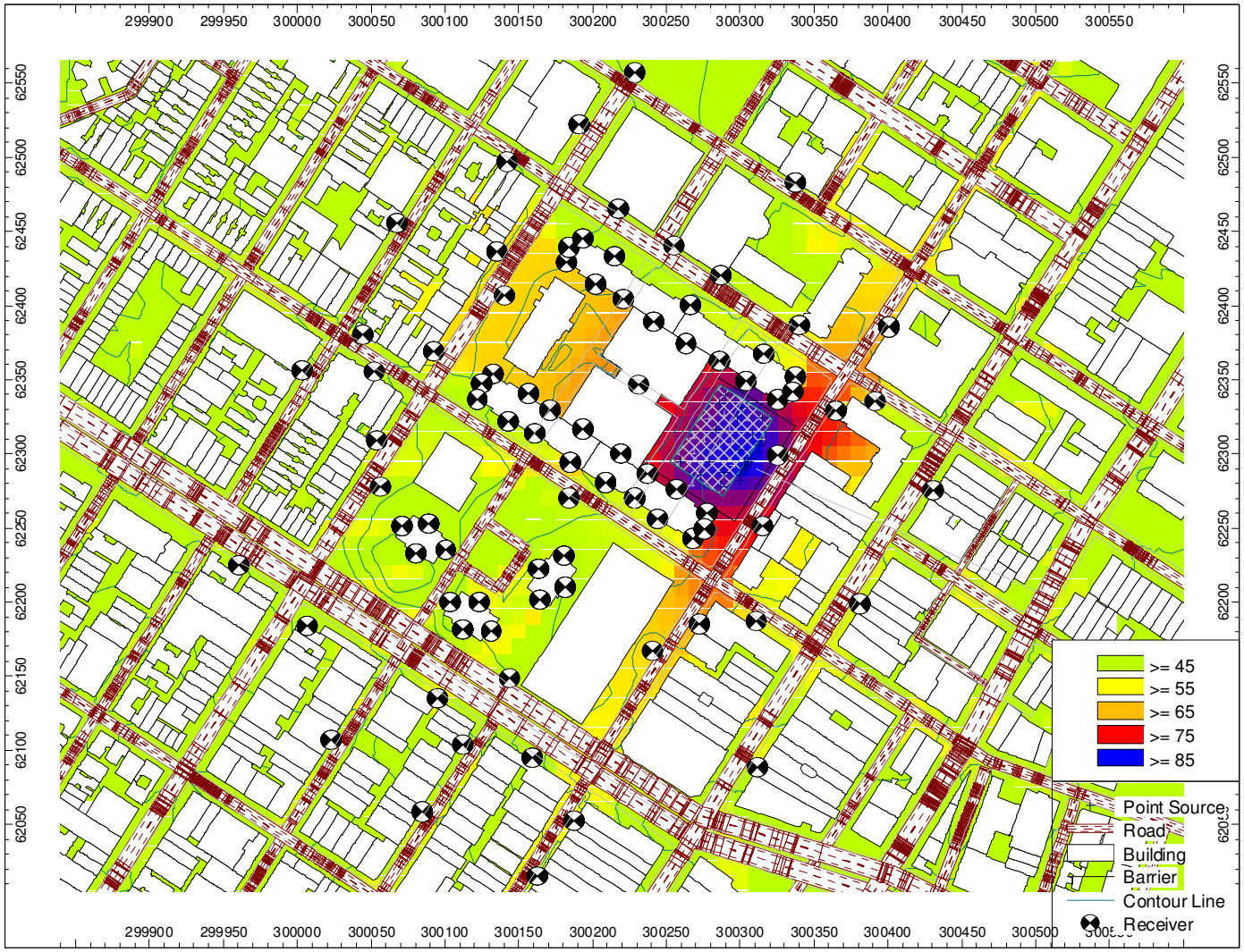
Exceed 3 dBA or more

Exceed CEQR Noise Criteria

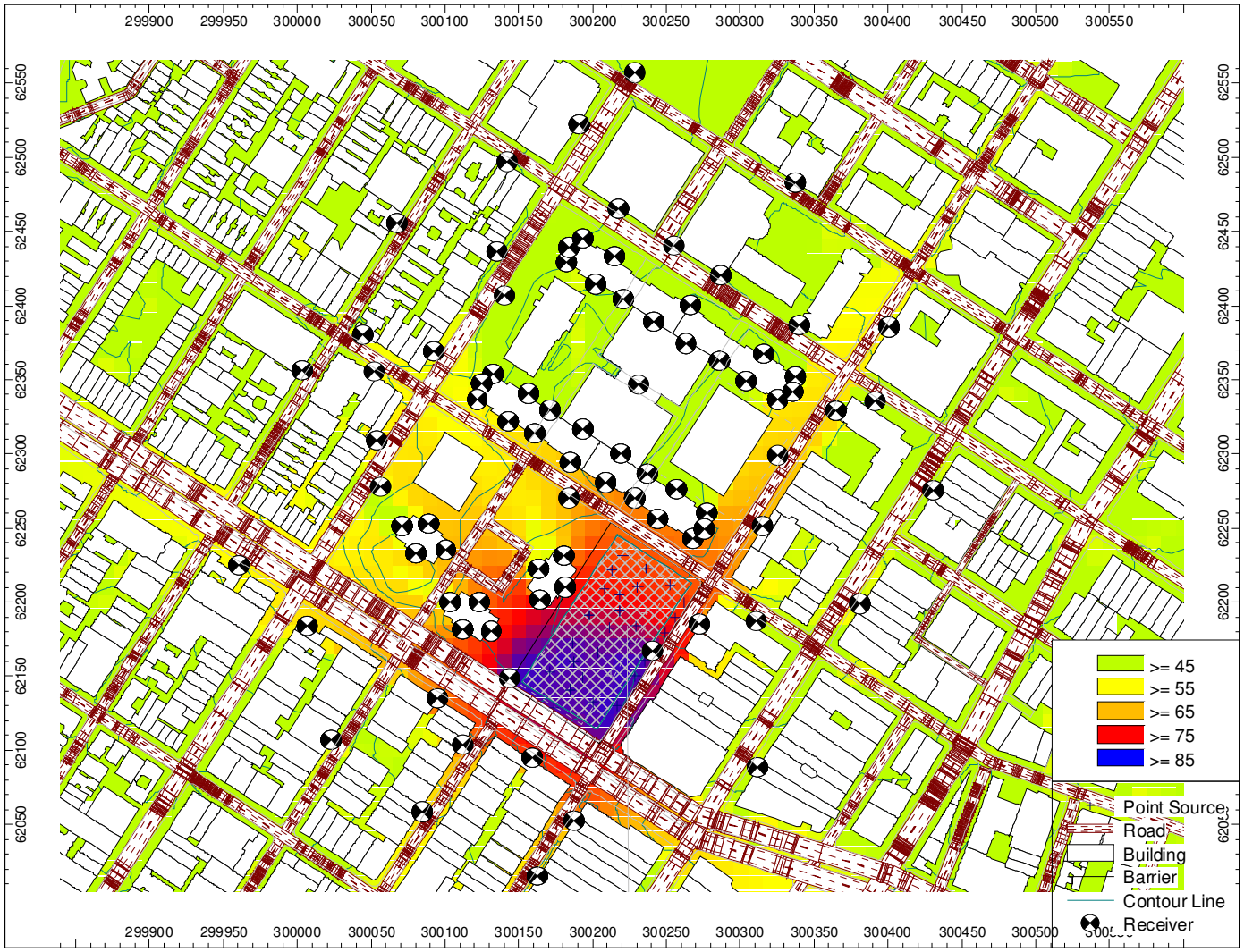
3 & 10 Minimum Increase & Maximum Increase

Note: Noise results for other years are the same values of Bleecker Building Staging Option1 (see Appendix E-3a)

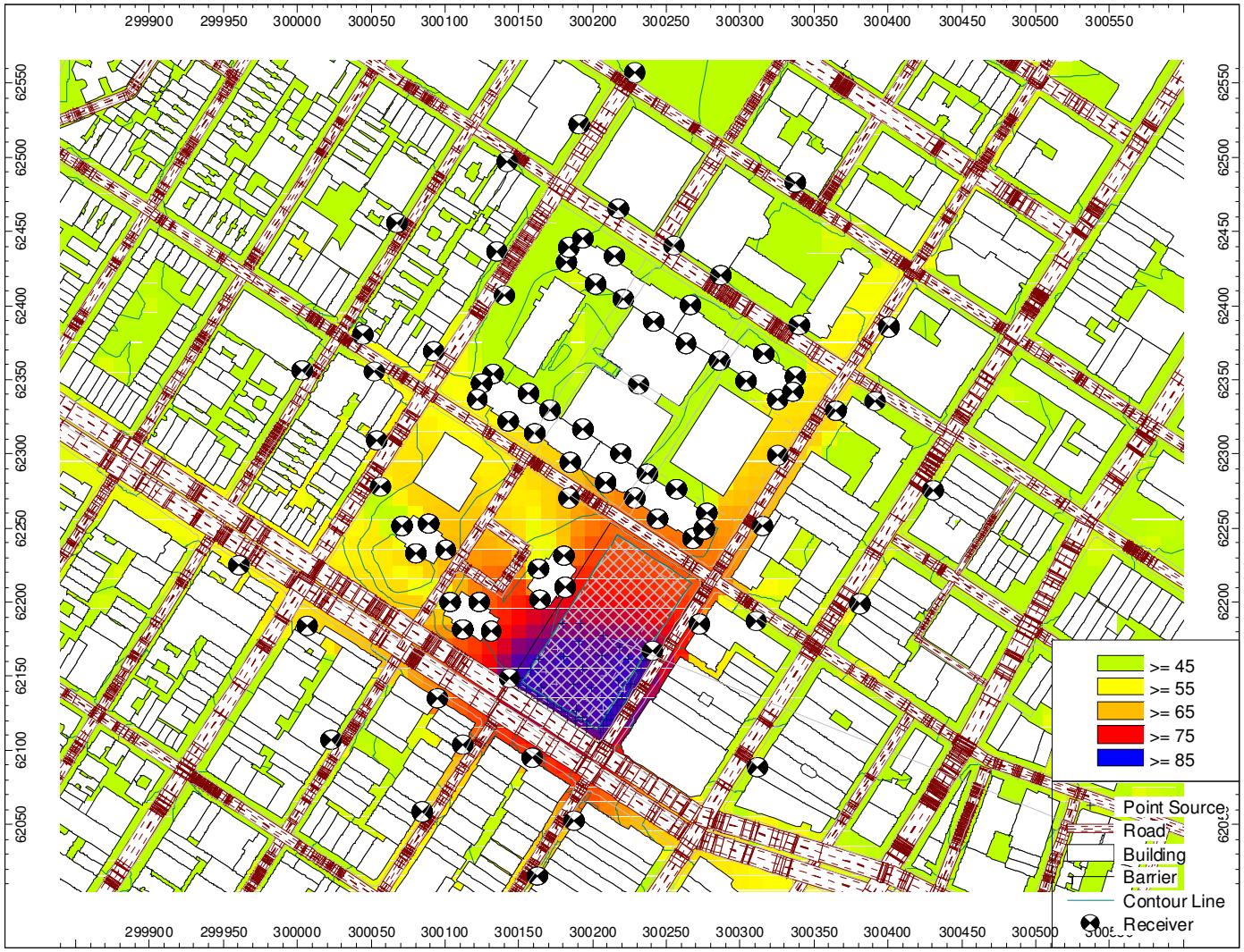
CadnaA Receptor Sites	Elevation (floor)	Temporary Gym			Zipper Tower																												
		2013			2014			2015			2016			2017			2018			2019			2020			2021								
		NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change	NoBuild	Total	Change
O	at-grade	64.2	66.9	2.7	64.2	65.7	1.5	64.2	65.8	1.6	64.2	66.5	2.3	64.3	66.7	2.5	64.3	65.9	1.6	64.3	65.6	1.4	64.3	65.6	1.3	64.3	66.8	2.5						
O	3	64.1	69.1	5.0	64.1	65.6	1.5	64.1	65.9	1.8	64.1	67.0	2.9	64.2	67.5	3.3	64.2	66.0	1.8	64.2	65.4	1.2	64.2	65.4	1.2	64.2	68.8	4.6						
O	5	63.0	70.6	7.6	63.0	64.6	1.6	63.0	65.0	2.0	63.0	66.5	3.5	63.1	67.1	4.0	63.1	65.0	1.9	63.1	64.2	1.1	63.1	64.2	1.1	63.1	70.3	7.2						
O	10	60.9	69.9	9.0	60.9	62.7	1.8	60.9	63.4	2.5	60.9	65.7	4.7	61.0	66.2	5.3	61.0	63.2	2.2	61.0	61.9	0.9	61.0	61.9	0.9	61.0	69.6	8.6						
O	15	59.3	68.9	9.6	59.3	61.4	2.1	59.3	62.4	3.0	59.3	65.4	6.1	59.4	66.3	6.9	59.4	62.2	2.9	59.4	60.2	0.8	59.4	60.3	0.9	59.4	68.5	9.1						
O	top floor	58.1	68.0	9.9	58.1	60.5	2.4	58.1	61.7	3.5	58.1	65.3	7.2	58.2	66.2	8.0	58.2	61.6	3.4	58.2	59.0	0.8	58.2	59.3	1.1	58.2	67.4	9.2						
P	at-grade	63.1	67.0	3.9	63.1	65.1	2.0	63.1	65.5	2.4	63.1	68.1	5.0	63.2	68.6	5.5	63.2	65.9	2.7	63.2	64.8	1.6	63.2	64.8	1.6	63.2	66.3	3.1						
P	3	62.7	71.1	8.4	62.7	65.1	2.4	62.7	65.9	3.1	62.7	69.9	7.2	62.8	70.7	7.9	62.8	66.4	3.6	62.8	64.3	1.5	62.8	64.4	1.6	62.8	69.3	6.5						
P	top floor	61.6	74.1	12.5	61.6	64.9	3.3	61.6	66.0	4.4	61.6	70.9	9.2	61.7	71.7	10.1	61.7	66.7	5.0	61.7	63.1	1.5	61.7	63.1	1.5	61.7	71.0	9.3						
Q	at-grade	65.5	67.4	1.9	65.5	67.5	2.0	65.5	67.6	2.1	65.5	71.0	5.4	65.6	72.0	6.5	65.6	68.6	3.0	65.6	66.8	1.2	65.6	66.8	1.2	65.6	67.2	1.6						
Q	3	65.3	67.7	2.4	65.3	68.7	3.4	65.3	69.3	4.0	65.3	74.6	9.2	65.4	75.7	10.4	65.4	71.1	5.7	65.4	66.5	1.1	65.4	66.5	1.1	65.4	67.3	1.9						
Q	5	64.3	67.4	3.1	64.3	70.7	6.3	64.3	70.7	6.4	64.3	79.2	14.9	64.4	80.6	16.2	64.4	74.6	10.3	64.4	65.4	1.0	64.4	65.4	1.0	64.4	66.9	2.5						
Q	top floor	63.5	67.5	4.0	63.5	70.8	7.3	63.5	70.6	7.1	63.5	80.3	16.7	63.6	81.6	18.0	63.6	74.8	11.3	63.6	64.5	0.9	63.6	64.5	0.9	63.6	66.5	2.9						
R	at-grade	69.7	69.8	0.1	69.7	69.8	0.1	69.7	69.8	0.1	69.7	69.8	0.1	69.8	69.9	0.1	69.8	69.8	0.1	69.8	69.8	0.1	69.8	69.9	0.1	69.8	69.9	0.1						
R	3	69.8	69.9	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.8	70.0	0.1	69.9	70.0	0.1	69.9	69.9	0.1	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1						
R	top floor	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.3	0.1	68.2	68.4	0.2	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1	68.3	68.4	0.1						
S	at-grade	64.7	65.0	0.3	64.7	65.1	0.3	64.8	65.4	0.7	64.8	66.6	1.8	64.8	66.4	1.6	64.8	65.3	0.5	64.8	64.9	0.1	64.8	64.9	0.1	64.9	65.0	0.1						
S	3	64.5	64.9	0.4	64.5	65.2	0.6	64.6	65.8	1.2	64.6	67.4	2.9	64.6	67.3	2.7	64.6	65.5	0.9	64.6	64.7	0.1	64.6	64.7	0.1	64.7	64.9	0.3						
S	top floor	63.7	64.3	0.6	63.7	65.3	1.5	63.8	66.4	2.6	63.8	68.3	4.5	63.8	68.5	4.7	63.8	65.5	1.7	63.8	64.0	0.2	63.8	64.0	0.2	63.9	64.2	0.3						
T	at-grade	65.3	65.3	0.0	65.3	65.6	0.3	65.4	66.0	0.6	65.4	66.3	0.9	65.4	65.6	0.3	65.4	65.4	0.0	65.4	65.5	0.0	65.4	65.5	0.0	65.5	65.5	0.0						
T	top floor	65.5	65.6	0.1	65.5	66.0	0.5	65.6	66.5	0.9	65.6	67.1	1.5	65.6	66.0	0.5	65.6	65.6	0.0	65.6	65.7	0.0	65.6	65.7	0.1	65.7	65.7	0.1						
U	at-grade	70.4	70.5	0.1	70.4	70.5	0.1	70.5	70.6	0.1	70.5	70.7	0.2	70.5	70.6	0.1	70.5	70.6	0.0	70.6	70.6	0.0	70.6	70.7	0.1	70.6	70.6	0.0						
U	3	71.4	71.5	0.1	71.4	71.5	0.1	71.5	71.6	0.1	71.5	71.7	0.2	71.5	71.6	0.1	71.5	71.6	0.1	71.6	71.6	0.1	71.6	71.7	0.1	71.6	71.7	0.1						
U	top floor	70.6	70.7	0.1	70.6	70.7	0.1	70.7	70.8	0.2	70.7	71.0	0.3	70.7	70.8	0.1	70.7	70.9	0.2	70.8	71.1	0.3	70.8	71.0	0.2	70.8	70.9	0.1						
V	at-grade	68.5	68.5	0.0	68.5	68.5	0.0	68.5	68.5	0.0	68.5	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0	68.6	68.6	0.0						
V	3	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.1	0.0	68.1	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0	68.2	68.2	0.0						
V	5	66.9	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.0	66.9	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.1	67.0	67.0	0.0						
V	top floor	65.5	65.5	0.0	65.5	65.6	0.1	65.5	65.7	0.1	65.5	66.3	0.7	65.6	66.2	0.7	65.6	65.9	0.3	65.6	66.1	0.5	65.6	66.8	1.2	65.6	65.7	0.1						
W	at-grade	69.6	69.7	0.1	69.6	69.8	0.1	69.7	69.8	0.1	69.7	70.0	0.3	69.7	70.0	0.3	69.7	70.0	0.3	69.7	70.2	0.5	69.7	70.6	0.9	69.8	70.1	0.3						
W	3	68.8	68.9	0.1	68.8	69.0	0.1	68.9	69.0	0.1	68.9	69.4	0.5	68.9	69.3	0.5	68.9	69.5	0.6	68.9	70.0	1.1	68.9	70.7	1.7	69.0	69.6	0.6						
W	top floor	66.7	66.8	0.1	66.7	66.9	0.2	66.8	67.0	0.2	66.8	67.6	0.8	66.8	67.5	0.7	66.8	68.3	1.5	66.8	69.4	2.6	66.8	70.8	3.9	66.9	68.4	1.6						
X	at-grade	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.5	0.0	67.5	67.6	0.0	67.6	67.6	0.0						
X	3	66.5	66.5	0.0	66.5	66.5	0.0	66.5	66.5	0.0	66.5	66.5	0.0	66.5	66.5	0.0	66.5	66.5	0.0	66.5	66.6	0.0	66.5	66.6	0.0	66.6	66.6	0.0						
X	5	65.0	65.0	0.0	65.0	65.0	0.0	65.0	65.0	0.0	65.0	65.0	0.0	65.0	65.1	0.0	65.0	65.0	0.0	65.0	65.1	0.1	65.0	65.1	0.1	65.1	65.1	0.0						
X	top floor	63.8	63.8	0.0	63.8	63.8	0.0	63.8	63.8	0.0	63.8	63.9	0.1	63.8	63.9	0.1	63.8	63.9	0.0	63.8	63.9	0.1	63.8	64.5	0.7	63.9	63.9	0.1						
Y	at-grade	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.0	0.0	67.0	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.1	0.0	67.1	67.2	0.1	67.1	67.1	0.0						
Y	3	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.8	0.0	66.8	66.9	0.0	66.9	66.9	0.0	66.9	66.9	0.1	66.9	67.0	0.1	66.9	67.1	0.3	66.9	67.0	0.1						
Y	5	65.7	65.7	0.0	65.7	65.7	0.0	65.7	65.8	0.0	65.7	65.8	0.0	65.8	65.8	0.0	65.8	65.8	0.1	65.8	65.9	0.1	65.8	66.1	0.4	65.8	65.9	0.1						
Y	top floor	62.8	62.8	0.0	62.8	62.8	0.0	62.8	62.9	0.0	62.8	62.9	0.0	62.9	62.9	0.1	62.9	63.0	0.2	62.9	63.1	0.2	62.9	63.7	0.8	62.9	63.1	0.2						
Z	at-grade	64.0	64.3	0.3	64.0	64.3	0.3	64.0	64.3	0.3	64.0	64.3	0.3	64.0	64.3	0.3	64.0	64.4	0.3	64.0	64.4	0.3	64.0	64.5	0.4	64.1	64.4	0.3						
AA	at-grade	59.3	60.7	1.4	59.3	60.7	1.4	59.3	60.7	1.4	59.3	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4	59.4	60.8	1.4						
AA	3	57.3	58.7	1.4	57.3	58.7	1.4	57.3	58.7	1.4	57.3	58.8	1.4	57.4	58.8	1.4	57.4	58.7	1.4	57.4	58.8	1.4	57.4	58.8	1.4	57.4	58.8	1.4						
AA	5	55.4	56.8	1.4	55.4	56.8	1.4	55.4	56.8	1.4	55.4	56.9	1.4	55.5	56.9	1.5	55.5	56.8	1.4	55.5	56.9	1.4	55.5	56.9	1.4	55.5	56.9	1.4						
AA	10	52.6	54.0	1.4	52.6	53.9	1.3	52.6	53.9	1.3	52.6	54.2	1.5	52.7	54.6	1.9	52.7	54.0	1.3	52.7	54.0	1.3	52.7	54.1	1.4	52.7	54.1	1.4						
AA	top floor	51.6	53.0	1.4	51.6	52.9	1.2	51.6	52.9	1.3	51.6	53.3	1.6	51.7	54.3	2.6	51.7	53.0	1.3	51.7	53.0	1.3	51.7	53.1	1.4	51.7	53.1	1.4						
BB	at-grade	64.5	65.8	1.3	64.5	65.2	0.6	64.5	65.2	0.7	64.5	65.6	1.0	64.6	65.8	1.2	64.6	65.3	0.7	64.6	65.1	0.6	64.6	65.1	0.6	64.6	65.6	1.0						
BB	3	63.6	65.6	2.0	63.6	64.4	0.8	63.6	64.6	1.0	63.6	65.4	1.8	63.7	65.8	2.1	63.7	64.6	1.0	63.7	64.2	0.6	63.7	64.3	0.6	63.7	65.1	1.4						
BB	5	62.4	65.1	2.7	62.4	63.3	0.9	62.4	63.5	1.1	62.4	64.6	2.1	62.5	65.0	2.6	62.5	63.5	1.1	62.5	63.1	0.6	62.5	63.1	0.6	62.5	64.5	2.0						
BB	10	60.0	65.0	5.0	60.0	61.2	1.2	60.0	61.7	1.7	60.0	63.3	3.2	60.1	63.9	3.9	60.1	61.6	1.6	60.1	60.7	0.6	60.1	60.7	0.6	60.1	64.0	3.9						
BB	top floor	59.2	64.7	5.5	59.2	60.6	1.3	59.2	61.1	1.9	59.2	63.0	3.7	59.3	63.7	4.5	59.3	61.0	1.7	59.3	59.9	0.6	59.3	59.9	0.7	59.3	63.8	4.5						
CC	at-grade	68.4	68.5	0.1	68.4	68.6	0.1	68.4	68.6	0.1	68.4	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1						
CC	3	68.0	68.2	0.2	68.0	68.2	0.1	68.0	68.2	0.1	68.0	68.2	0.2	68.1	68.2	0.2	68.1	68.2	0.1	68.1	68.2	0.1	68.1	68.2	0.1	68.1	68.2	0.1						
CC	top floor	66.7	66.9	0.2	66.7	66.9	0.2	66.7	66.9	0.2	66.7	66.9	0.2	66.8	66.9	0.2	66.8	66.9	0.2	66.8	66.9	0.2	66.8	66.9	0.2	66.8	67.0	0.2						
DD	at-grade	70.4	70.5	0.1	70.4	70.5	0.1	70.4	70.5	0.1	70.4	70.6	0.1	70.5	70.6	0.1	70.5	70.5	0.1	70.5	70.6	0.1	70.5	70.6	0.1	70.5	70.6	0.1						
DD	3	69.8	69.9	0.1	69.8	69.9	0.1	69.8	69.9	0.1	69.8	70.0	0.2	69.9	70.1	0.2	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1	69.9	70.0	0.1						
DD	top floor	68.4	68.5	0.1	68.4	68.5	0.1	68.4	68.5	0.1	68.4	69.0	0.5	68.5	68.8	0.3	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1	68.5	68.6	0.1						
EE	at-grade	62.1	62.4	0.3	62.1	62.5	0.3	62.2	62.8	0.6	62.2	63.7	1.6	62.2	64.1	1.9	62.2	62.8	0.6	62.2	62.3	0.0	62.2	62.3	0.0	62.3	62.3	0.1						
EE	3	60.6	61.2	0.6	60.6	61.3	0.7	60.7	62.0	1.4	60.7	63.6	3.0	60.7	64.1	3.4	60.7	61.9	1.2	60.7	60.8	0.1	60.7	60.8	0.1	60.8	61.0	0.2						
EE	top floor	59.0	60.0	1.0	59.0	60.5	1.5	59.1	61.7	2.7	59.1	64.2	5.1	59.1	65.0	5.9	59.1	61.6	2.5	59.1	59.2	0.1	59.1	59.3	0.1	59.2	59.5	0.4						
EE	10	56.6	58.3	1.7	56.6	59.8	3.2	56.7	62.1	5.4	56.7	64.7	8.0	56.7	65.5	8.8	56.7	60.9	4.2	56.7	57.2	0.5	56.7	57.1	0.4	56.8	57.4	0.7						
EE	top floor	55.9	58.0	2.1	55.9	59.7	3.7	56.0	62.0	6.1	56.0	64.7	8.8	56.0	65.5	9.5	56.0	60.6	4.6	56.0	56.7	0.7	56.0	56.7	0.6	56.1	56.8	0.8						
FF	at-grade	61.0	61.0	0.0	61.0	61.1	0.1	61.1	61.3	0.3	61.1	61.7	0.6	61.1	61.6	0.4	61.1	61.2	0.0	61.2	61.2	0.0	61.2	61.2	0.0	61.2	61.2	0.0						
FF	3	59.8	59.9	0.1	59.8	60.0	0.2	59.9	60.2	0.4	59.9	61.2	1.3	59.9	60.8	0.9	59.9	60.0	0.0	60.0	60.0	0.0	60.0	60.0	0.1	60.0	60.1	0.1						
FF	top floor	58.2	58.3	0.1	58.2	58.7	0.5	58.3	58.9	0.7	58.3	60.4	2.1	58.3	59.9	1.5	58.3	58.4	0.1	58.4	58.4	0.1	58.4	58.5	0.1	58.4	58.5	0.1						
GG	at-grade	59.3	59.3	0.0	59.3	59.3	0.0	59.3	59.4	0.1	59.3	59.5	0.2	59.3	59.5	0.1	59.3	59.4	0.1	59.3	59.5	0.2	59.3	59.7	0.4	59.4	59.5	0.1						
GG	3	58.1	58.2	0.1	58.1	58.2	0.0	58.1	58.2	0.1	58.1	58.5	0.4	58.1	58.6	0.5	58.1	58.3	0.2	58.1	58.6	0.5	58.1	59.1	1.0	58.2	58.5	0.3						
GG	5	56.5	56.6	0.1	56.5	56.6	0.1	56.5	56.7	0.2	56.5	58.1	1.6	56.5	57.5	0.9	56.5	56.6	0.1	56.5	56.7	0.1	56.5	56.7	0.2	56.6	56.6	0.1						
GG	top floor	54.8	54.9	0.1	54.8	55.1	0.3	54.8	55.4	0.5	54.8	57.5	2.7	54.8	56.2	1.4	54.8	55.1	0.2	54.8	55.1	0.3	54.8	55.4	0.5	54.9	55.0	0.2						


299900
299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
300550
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62500
62450
62400
62350
62300
62250
62200
62150
62100
62050
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver

2013 – Q4


299900
299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
300550
62550
62500
62450
62400
62350
62300
62250
62200
62150
62100
62050
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver

2014 – Q3


299900
299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
300550
62550
62500
62450
62400
62350
62300
62250
62200
62150
62100
62050
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver

2015 – Q3


299900
299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
300550
62550
62500
62450
62400
62350
62300
62250
62200
62150
62100
62050
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver

2016 – Q3


299900
299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
300550
62550
62500
62450
62400
62350
62300
62250
62200
62150
62100
62050
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver

2017 – Q2


299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
62400
62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

2018 – Q3


299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
62400
62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

2019 – Q2


299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
62400
62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

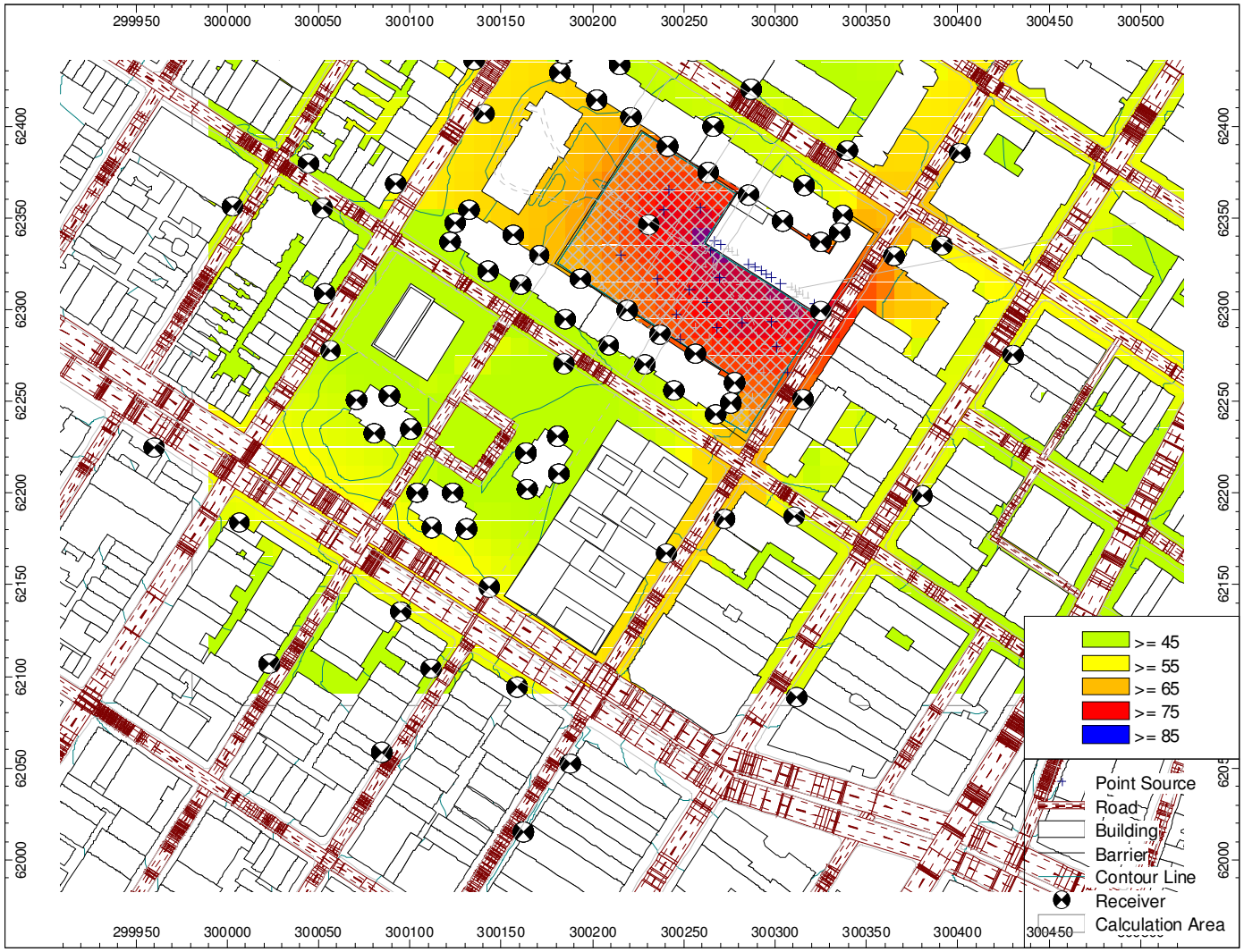
2020 – Q1


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300150
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300300
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300400
300450
300500
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62350
62300
62250
62200
62150
62100
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62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Built-up Area
Contour Line
Receiver
Calculation Area

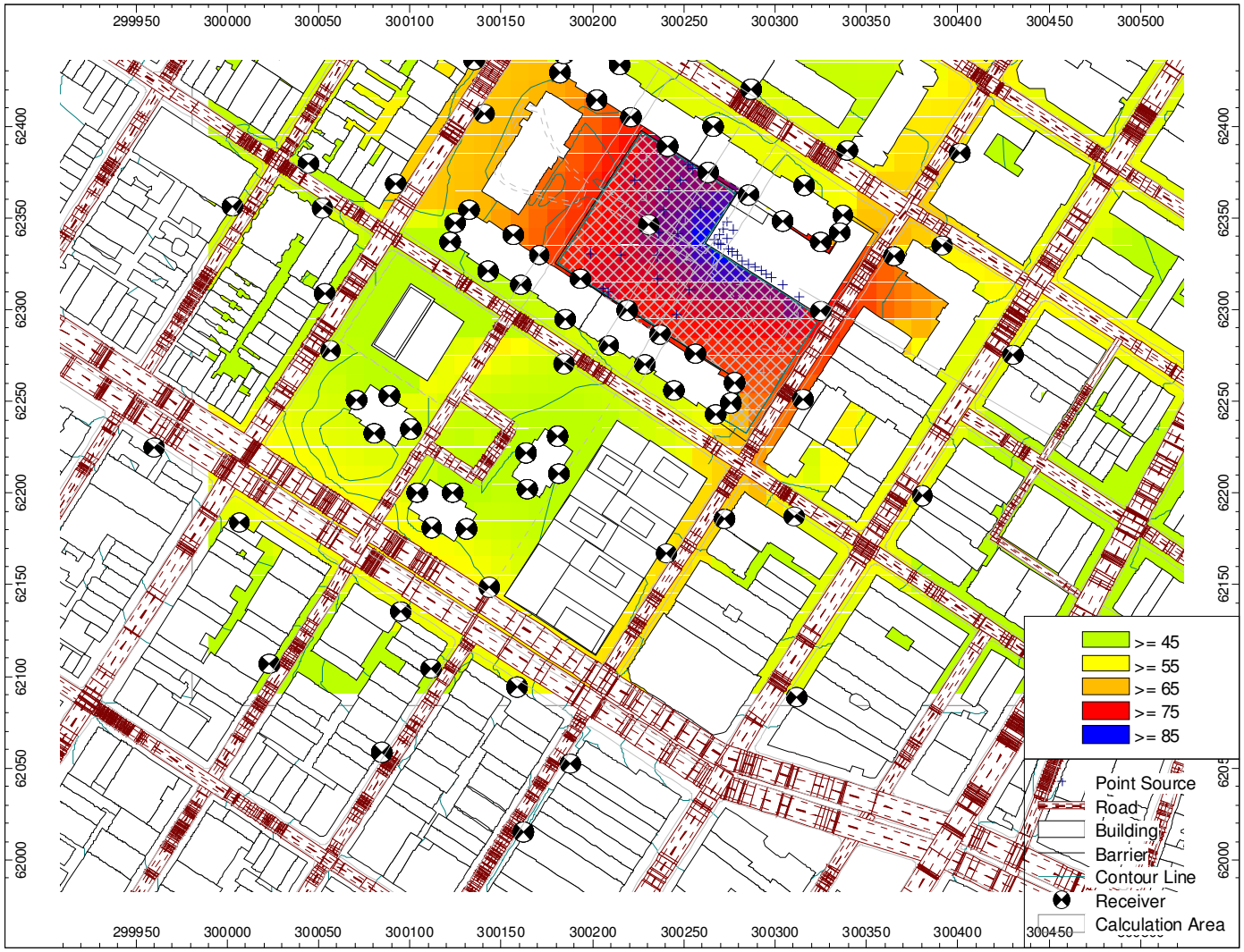
2021 – Q4


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62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

2022 – Q3


299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
62400
62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

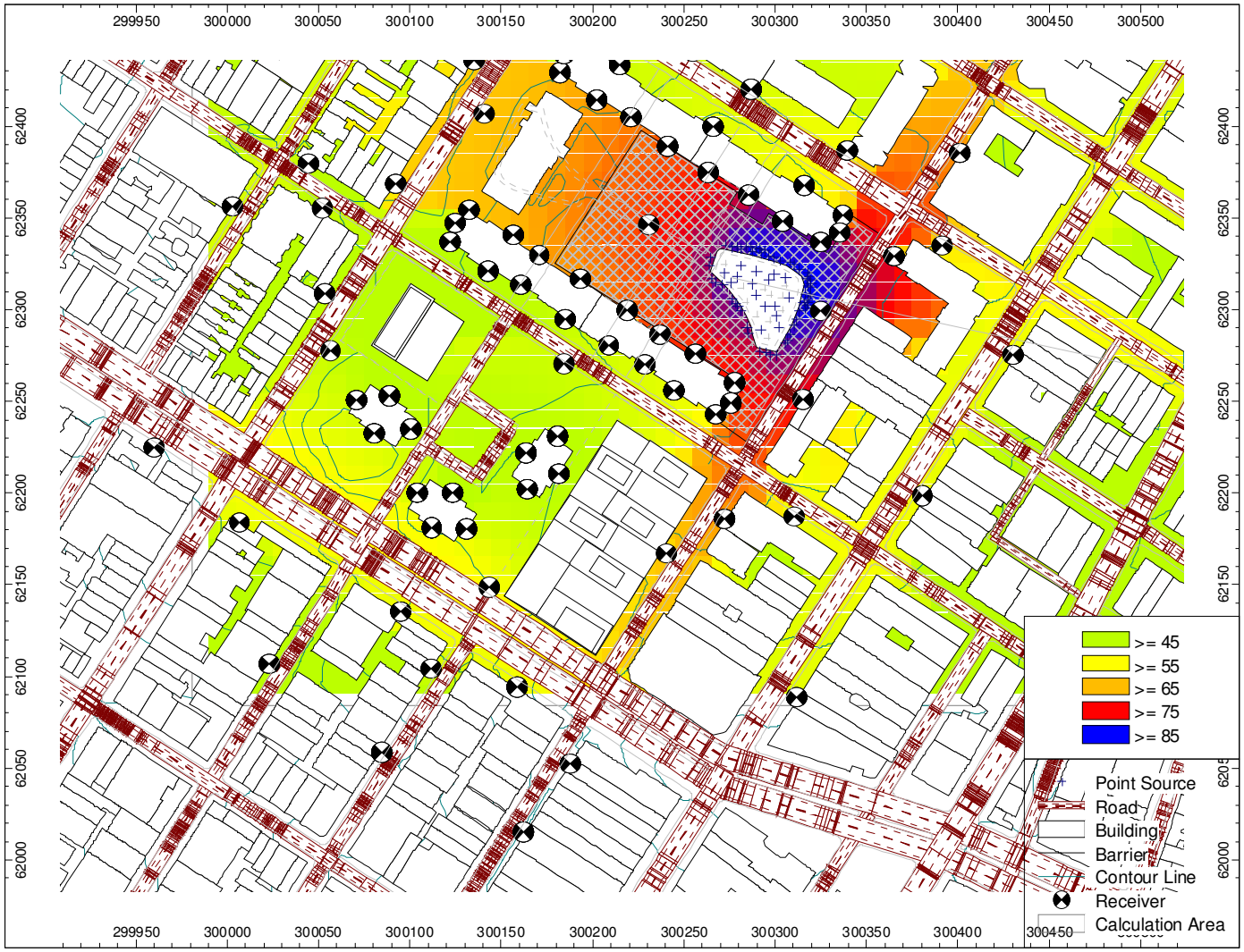
2023 – Q4


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62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

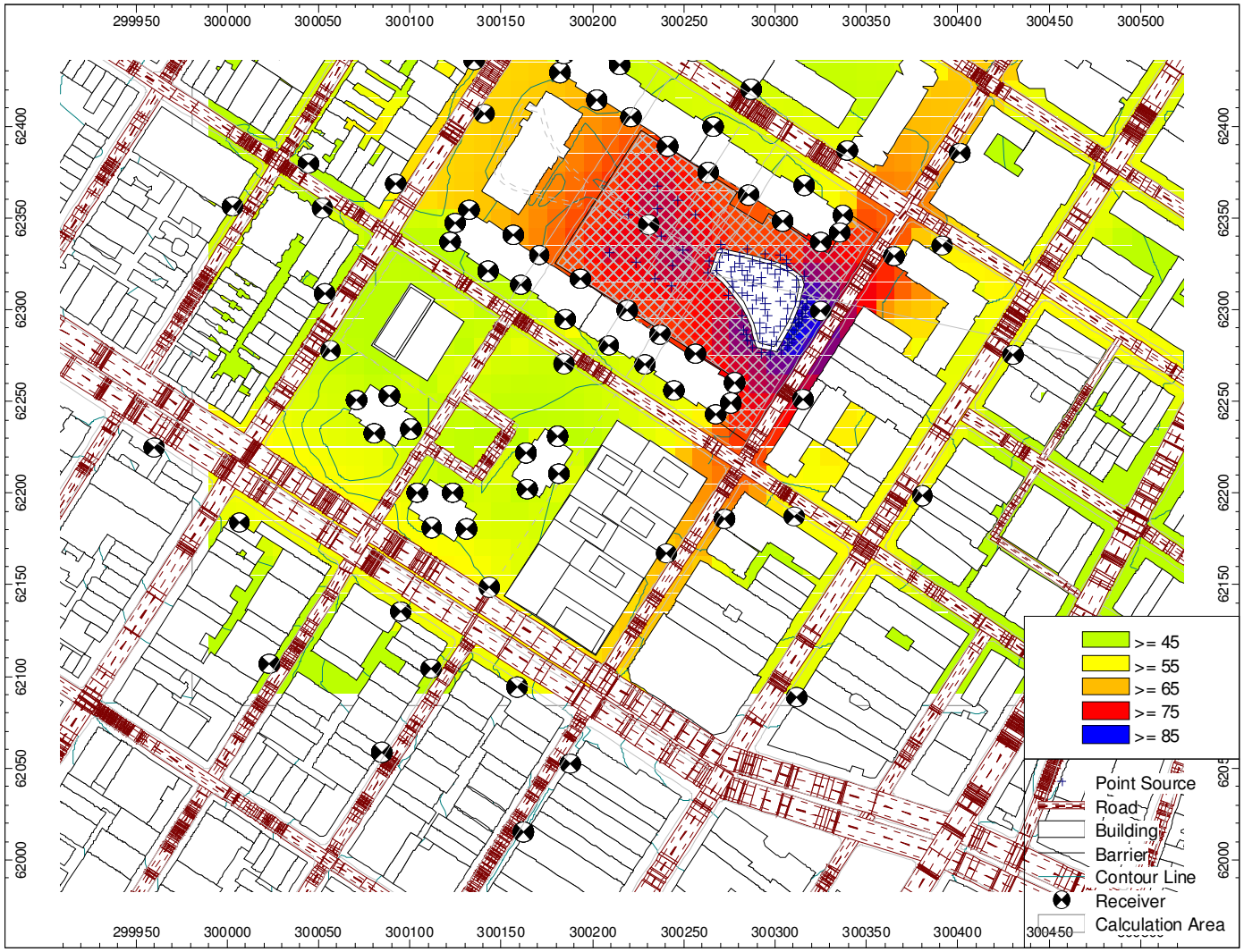
2024 – Q3


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62300
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62200
62150
62100
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62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

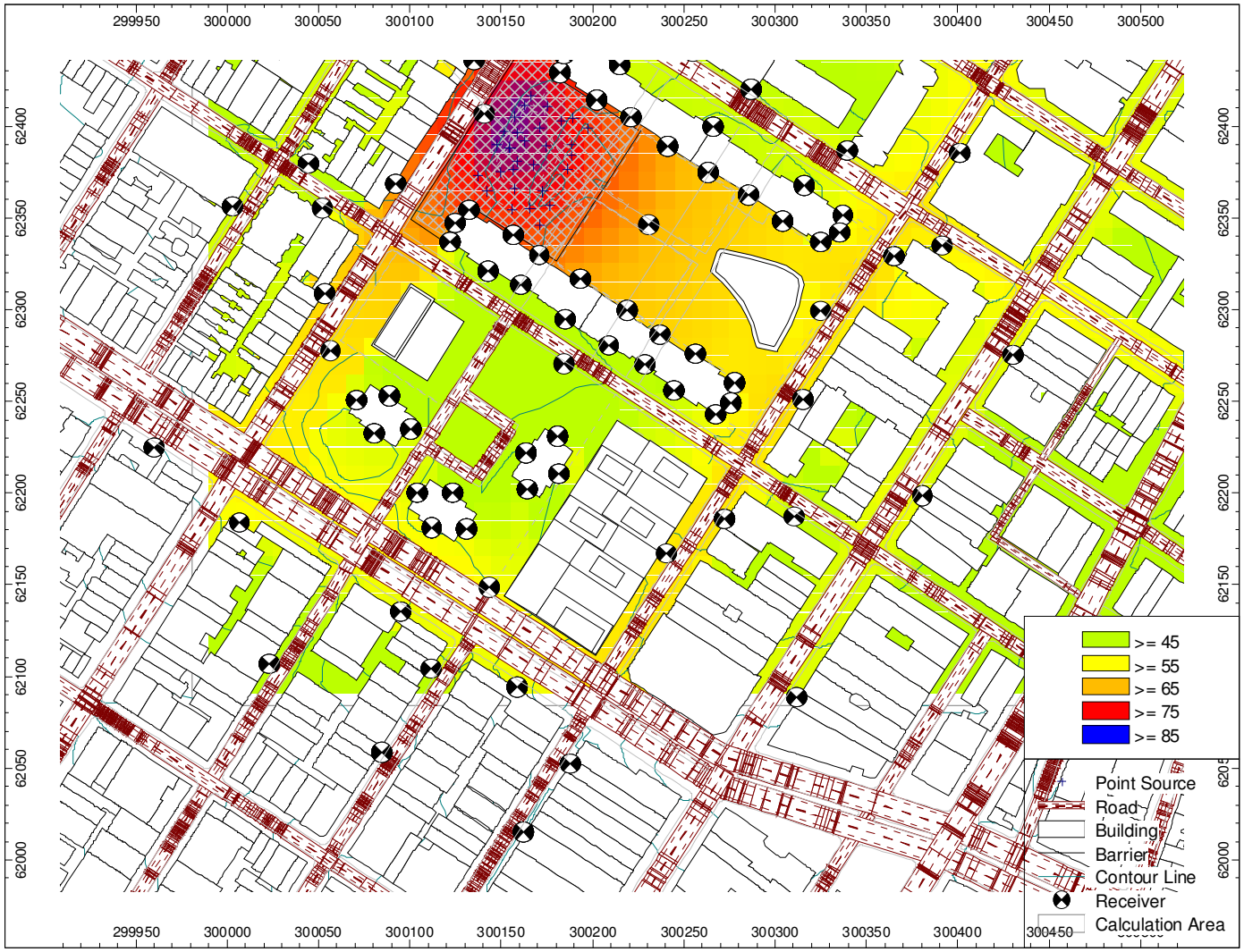
2025 – Q3


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62300
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62200
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62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

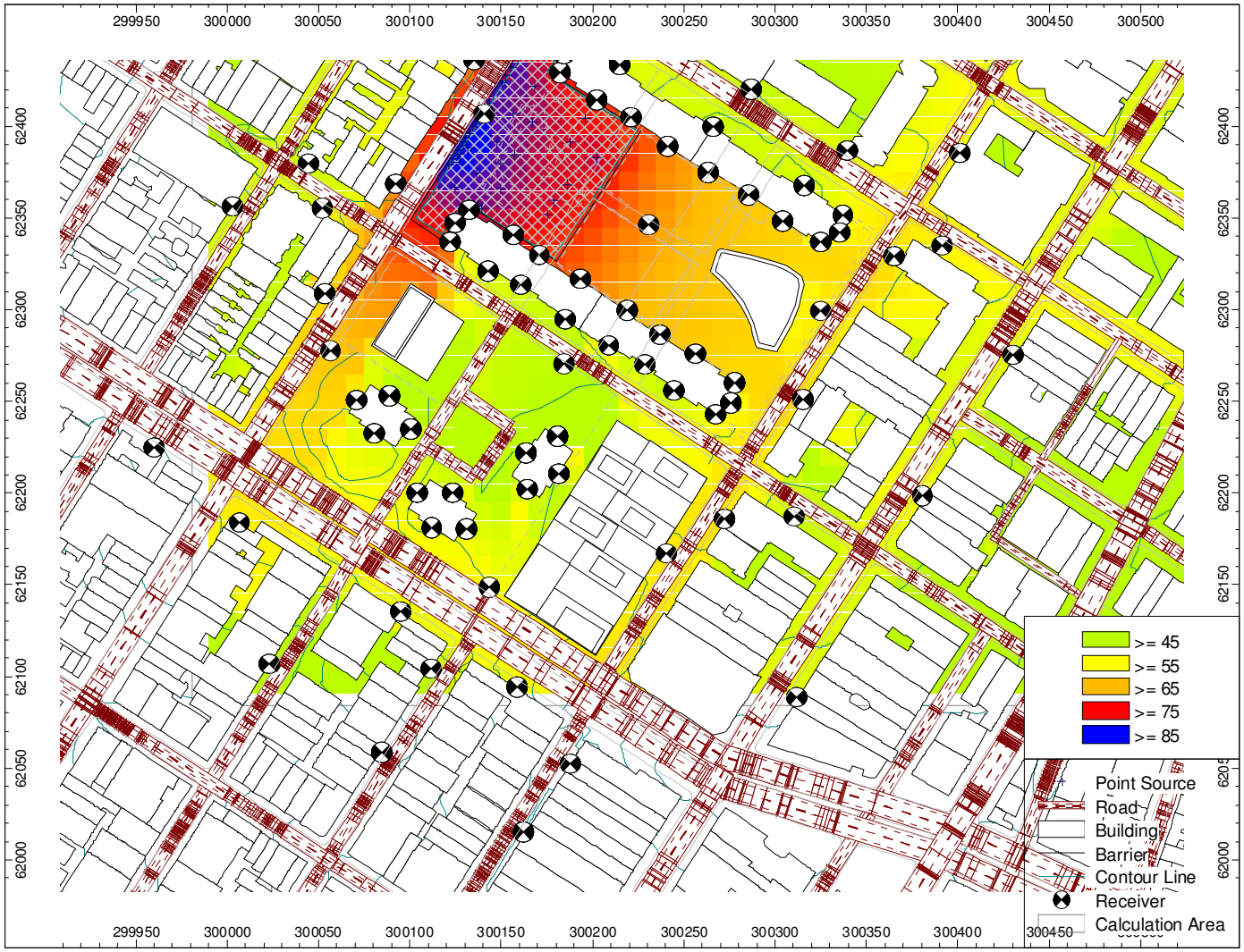
2026 – Q2


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62350
62300
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62200
62150
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>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

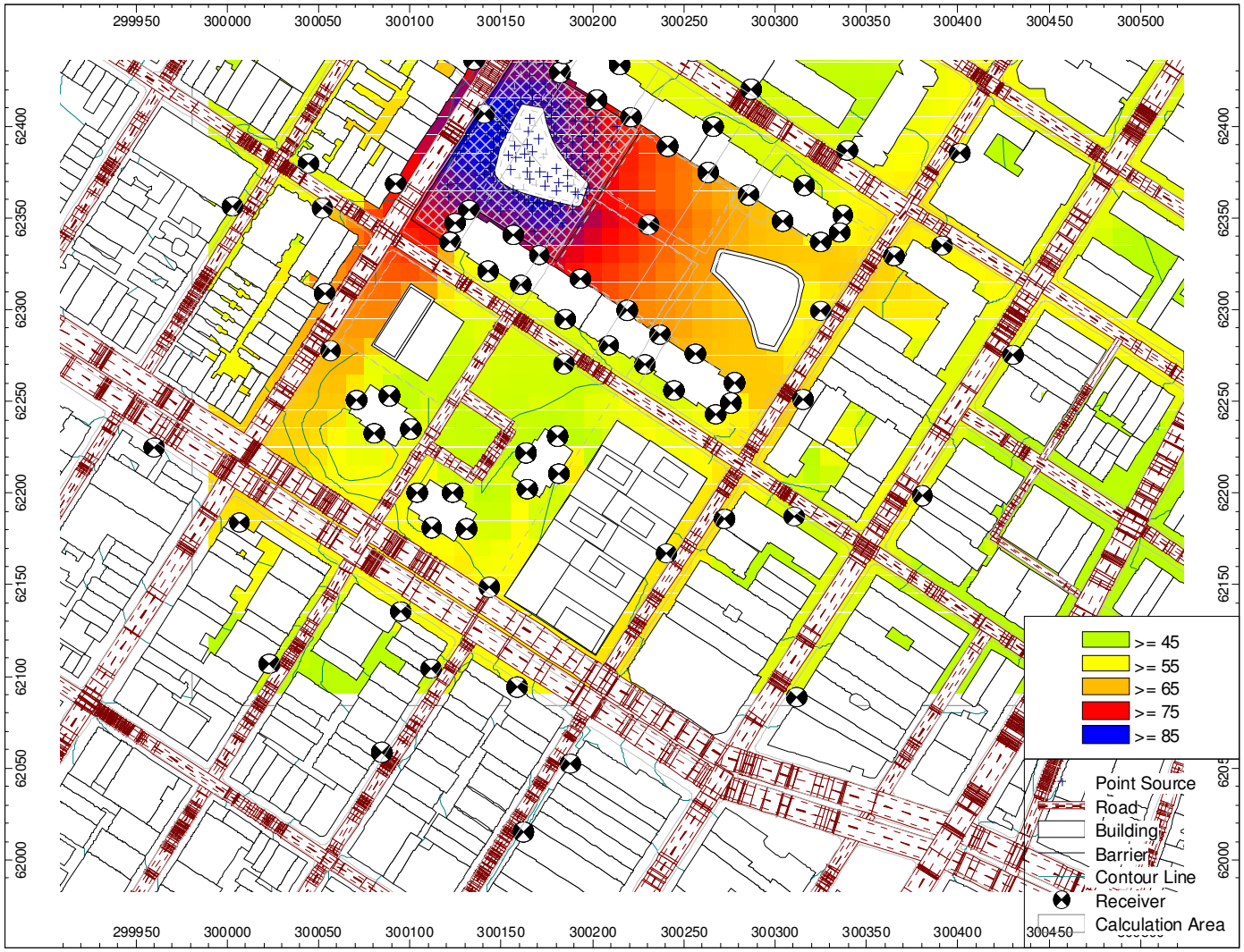
2027 – Q2


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62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

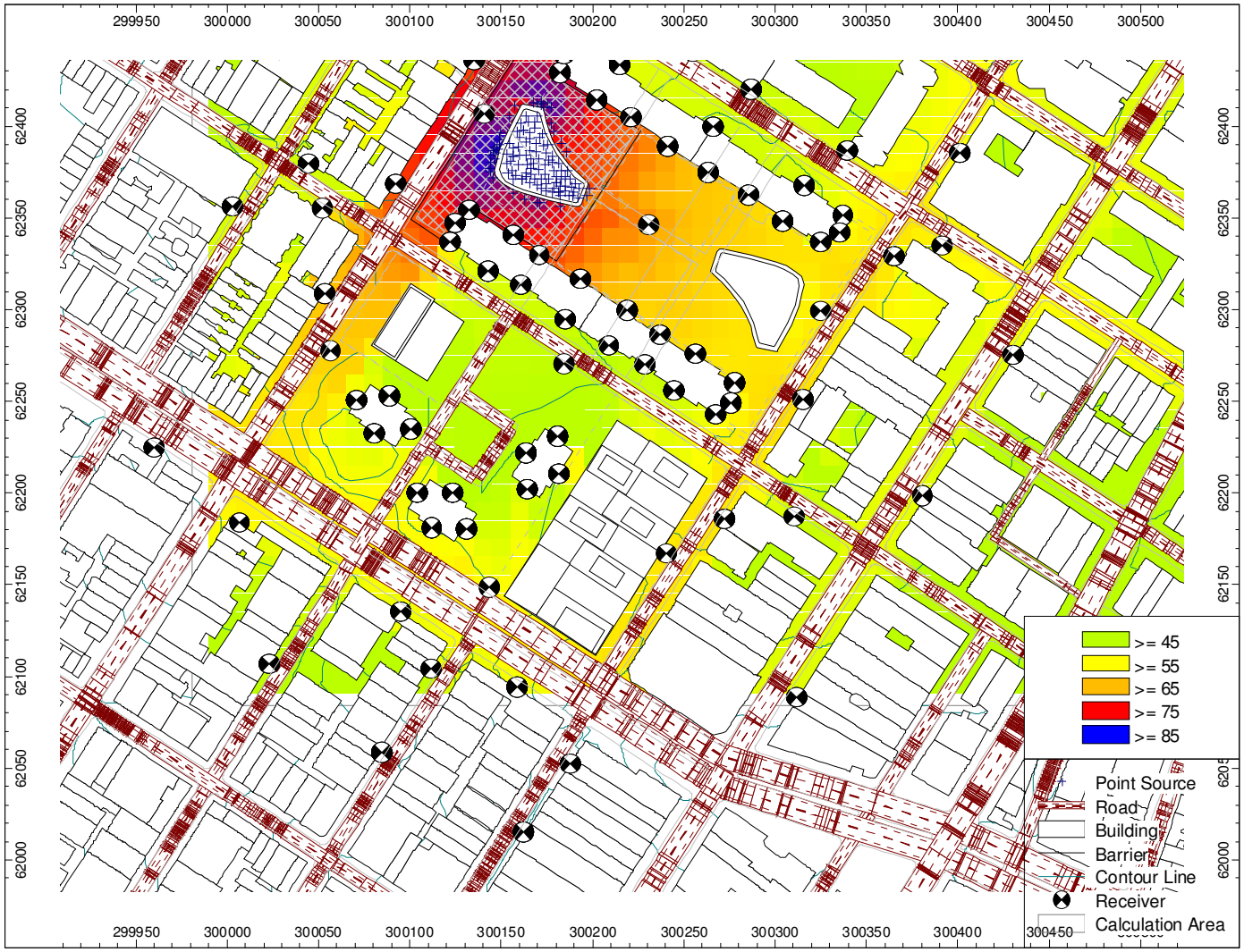
2028 – Q4


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62350
62300
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62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

2029 – Q3


299950
300000
300050
300100
300150
300200
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300300
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300400
300450
300500
62400
62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

2030 – Q3


299950
300000
300050
300100
300150
300200
300250
300300
300350
300400
300450
300500
62400
62350
62300
62250
62200
62150
62100
62050
62000
>= 45
>= 55
>= 65
>= 75
>= 85
Point Source
Road
Building
Barrier
Contour Line
Receiver
Calculation Area

2031 – Q1

Proportional Model Results

Weekday
NOISE LEVEL CALCULATIONS

Site	Hour	2011						2017 Phase I					2031	2026 Phase II					
		Total Volume	Auto	Medium	Heavy	Bus	PCEs	Total Volume	NB PCEs	Auto	PCEs	Double PCEs	Volume	Total Volume	NB PCEs	Auto	Truck	PCEs	Double PCEs
1	7-8 AM	1686	90.8%	6.3%	1.1%	1.8%	4329.6	1734	4452.9	20	4848.9	no	2257.0	1828	4694.7	2	6	4978.7	no
2	7-8 AM	153	88.5%	8.7%	1.9%	1.0%	472.6	157	485.0	0	1190.0	yes	199.0	161	497.9	0	12	1061.9	yes
3	7-8 AM	288	85.9%	9.5%	1.7%	2.9%	983.5	295	1007.4	36	1043.4	no	371.0	301	1026.2	0	0	1026.2	no
4	7-8 AM	350	70.3%	6.3%	15.6%	7.8%	3590.3	356	3651.8	26	3677.8	no	443.0	359	3680.9	3	0	3683.9	no
5	7-8 AM	282	70.3%	6.3%	15.6%	7.8%	2892.8	288	2954.3	0	2954.3	no	359.0	291	2982.9	3	0	2985.9	no
6	7-8 AM	286	80.5%	8.5%	4.9%	6.1%	1518.9	292	1550.8	27	1577.8	no	366.0	296	1574.5	17	0	1591.5	no
7	7-8 AM	133	88.5%	8.7%	1.9%	1.0%	410.8	137	423.2	0	987.2	yes	173.0	140	432.9	0	11	949.9	yes
9	7-8 AM	268	85.9%	9.5%	1.7%	2.9%	915.2	275	939.1	0	939.1	no	345.0	279	954.3	0	0	954.3	no
10	7-8 AM	312	80.5%	8.5%	4.9%	6.1%	1657.0	319	1694.2	12	2129.2	no	401.0	325	1725.1	17	7	2071.1	no
11	7-8 AM	207	80.5%	8.5%	4.9%	6.1%	1099.4	211	1120.6	0.0	1120.6	no	266.0	215	1144.3	20.0	0.0	1164.3	no
12	7-8 AM	307	85.9%	9.5%	1.7%	2.9%	1048.4	314	1072.3	10.0	1223.3	no	1854.0	1502	5128.4	0	0	5128.4	no

TNM Results

Weekday
NOISE LEVEL CALCULATIONS

Site	Hour	2011			2017 Phase I						2026 Phase II					
					NB			Build			NB			Build		
		Measured Existing L_{eq}	TNM L_{eq}	Correction Factor	TNM L_{eq}	Corrected L_{eq}	Increase Over Existing (dBA)	TNM L_{eq}	Corrected L_{eq}	Increase Over No Build (dBA)	TNM L_{eq}	Corrected L_{eq}	Increase Over Existing (dBA)	TNM L_{eq}	Corrected L_{eq}	Increase Over No Build (dBA)
2	7-8 AM	67.9	64.8	-3.1	64.9	68.0	0.1	67.5	70.6	2.6	65.0	68.1	0.2	67.2	70.3	2.2
7	7-8 AM	65.2	63.6	-1.6	63.6	65.2	0.0	66.3	67.9	2.7	63.7	65.3	0.1	66.2	67.8	2.5

Calculations for Construction Vibration

$PPV_{equioment} = PPV_{ref} * (25/D)^{1.5}$

where:

PPV_{equip} is the peak particle velocity in in/sec of the equipment at the receiver location

PPV_{ref} is the reference vibration level in in/sec at 25 feet

D is the distance from the equipment to the received location in feet

Equipment		PPVr	Criterion PPV	Impact Distance (ft)	PPVe
Pile Driver (Impact)	upper rang	1.518	0.5	50	0.5
Pile Driver (sonic)	upper rang	0.734	0.5	33	0.5
Clam Shovel Drop (slurry wall)		0.202	0.5	13	0.5
Vibratory Roller		0.210	0.5	15	0.5
Hoe Ram/Large Bulldozer/Caisson Drilling		0.089	0.5	8	0.5
Loaded Truck		0.076	0.5	8	0.5
Jackhammer		0.035	0.5	5	0.5

Calculations for Construction Ground-Boren Vibration

Lv(D) = Lv(25ft) - 30 log(D/25)

where:

L_v(D) is the vibration level in VdB of the equipment at the receiver location

L_v(ref) is the reference vibration level in VdB at 25 feet

D is the distance from the equipment to the receiver location in feet

Equipment		Lv(25ft)	Criterion PPV	Impact Distance (ft)	PPVe
Pile Driver (Impact)	upper rang	112	65	900	65
Pile Driver (sonic)	upper rang	105	65	550	65
Clam Shovel Drop (slurry wall)		94	65	230	65
Vibratory Roller		94	65	230	65
Hoe Ram/Large Bulldozer/Caisson Drilling		87	65	140	65
Loaded Truck		86	65	125	65
Jackhammer		79	65	75	65

Worst case

Appendix E-10: Bleecker Building Alternate Staging Scenario Open Space Assessment

Upon completion of the Bleecker Building, there could be a population introduced by the Proposed Actions prior to the completion of the new open spaces surrounding the proposed Zipper Building (e.g., Toddler Playground and Greene Street Walk), and when the Zipper Building commences construction activities, several existing publicly accessible open spaces would be displaced (see **Figure E-10-1**). Overall, construction activities associated with the proposed Zipper Building would displace approximately 0.352 acres of publicly accessible open space (0.09 acres passive, 0.262 acres active). By 2016, NYU would introduce the Temporary LaGuardia Landscape Play Area and the Temporary Mercer Plaza, which collectively would include approximately 0.403 acres of publicly accessible passive open space, for a net gain of approximately 0.051 acres of publicly accessible open space (a 0.313-acre increase in publicly accessible passive open space, and a 0.262-acre decrease in publicly accessible active space).

As described in Chapter 20, "Construction Impacts," during the construction of the Zipper Building, all construction engines would be located away from the west side of the construction site, so as to maintain a buffer from residential buildings and open spaces west of the Zipper Building, to the extent practicable. The results of the Phase 1 air quality analysis—which represented worst-case conditions during the construction of the Zipper Building—showed that construction activities during this phase would not result in any significant adverse air quality impacts at any sensitive receptors, which included areas such as public and private open spaces directly adjacent to construction activities.

As described in "Noise," in Section E, above, noise levels at open space locations on the project site are currently above the *CEQR Technical Manual* noise level for outdoor areas, and the proposed construction activities would exacerbate these exceedances. There are no practical and feasible mitigation measures that could be implemented to reduce noise levels to below the *CEQR Technical Manual* guideline. Consequently, construction of the Zipper Building would result in temporary significant adverse noise impacts on the southern portion of the publicly accessible Temporary Mercer Entry Plaza directly across the street on the North Block.

In terms of potential indirect open space effects under this scenario, as shown in **Table E-10-1**, while the active open space ratio in the residential study area would decrease by 0.4 percent during construction of the proposed Zipper Building, all other open space ratios would improve slightly as compared to future conditions without the Proposed Actions (between 1.0 and 3.1 percent increases). Therefore, during the first phase of construction, as existing open spaces are displaced to accommodate the temporary gym, Zipper Building, and project open spaces, the Proposed Actions would slightly improve passive open space ratios both in the residential and non-residential study areas, and result in a temporary decrease in the active open space ratio within the residential study area. According to the *CEQR Technical Manual*, in areas that are extremely lacking in open space, a reduction of open space ratios as small as 1 percent may be considered significant, as it may result in overburdening existing facilities or further exacerbating a deficiency in open space. Given that the Proposed Actions would not reduce the

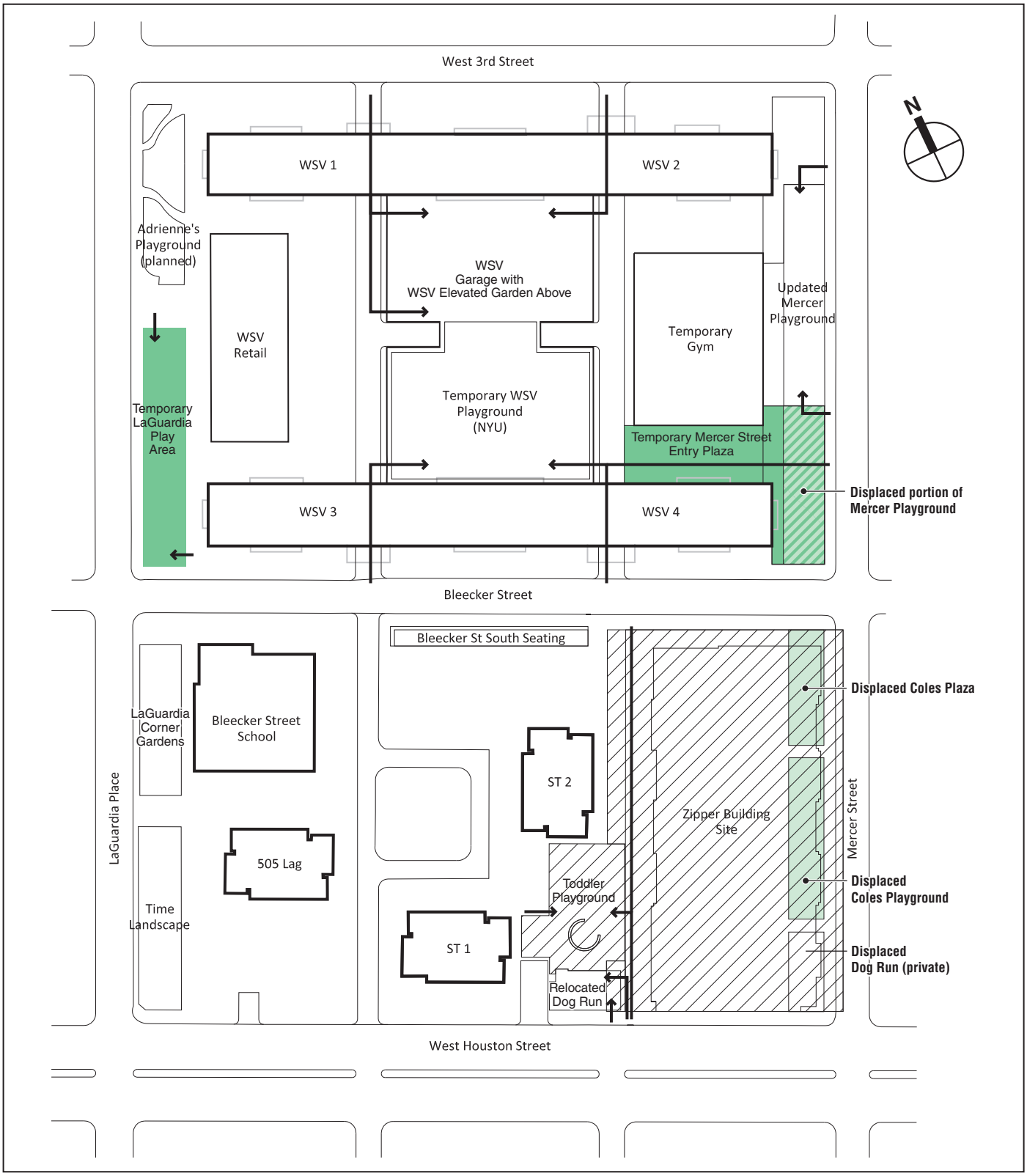
active open space ratio by 1 percent, the reduction would not be considered a significant adverse impact.

Table E-10-1
Open Space Ratios During Zipper Building Construction
(After Completion of Bleecker Building)

Ratio	DCP Guideline	Existing Ratio	Future Without the Proposed Project Ratio	Future With the Proposed Project Ratio	Percent Change (Future With vs. Future Without)
Non-Residential Study Area					
Passive/non-residents	0.15	0.092	0.088	0.091	3.1%
Passive/total population	0.25	0.065	0.063	0.065	3.1%
Residential Study Area					
Total/residents	2.5	0.247	0.246	0.248	1.0%
Passive/residents	0.5	0.142	0.139	0.142	2.2%
Active/residents	2.0	0.106	0.107	0.106	-0.4%
Passive/total population*	0.27	0.050	0.048	0.049	2.2%

Note:
* Weighted average combining 0.15 acres per 1,000 non-residents and 0.50 acres per 1,000 residents. Non-residents typically use passive spaces; therefore, for the non-residential study area, only passive open space ratios are calculated. For the residential study area, active, passive, and total park space ratios are calculated.

12.15.11



Construction Area

Displaced Publicly Accessible Open Space

New Publicly Accessible Open Space

Open Space Entry

0 100 200 FEET

SCALE

Displaced and New Open Spaces by 2016 Construction Year (Alternate Bleecker Building Phasing Scenario)

Figure E-10-1

NYU Core