

PROJECT NAME: NYC BOROUGH BASED JAILS SYSTEM, MANHATTAN
FACILITY PROJECT

AGREEMENT NUMBER: 20258806440

PROJECT OWNER: NYC DEPARTMENT OF DESIGN & CONSTRUCTION

PREPARED BY: TUTOR PERINI CORPORATION/O&G



Plan History					
Rev.	SR	Issue Date	Description	TPC Approval	DDC Approval
00		5/08/2026	Environmental Monitoring Report – March 2026		
01		6/11/2026	Environmental Monitoring Report – March 2026		

NOISE, VIBRATION & DUST MONITORING REPORT Number 002

DDC. Project ID:		BBJ-MN-FAC	Period Start: 03/01/26 End: 03/31/26	
Project Name:		Manhattan Borough-Based Jail Facility		
DDC Pin No.:		85025I8006KXL		
1) Community Noise Monitoring Monthly Summary				
Units to be determined (TBD) typically a weighted decibels (dBA) level				
Number of Workdays in a Month	Number of Noise Monitoring Days in a Month	Number of Days with Noise Levels above Action Levels by Month	Comments	
24	31	9	Noise monitoring devices are active 24/7. During work hours noise levels are compared against the applicable action levels as noted below.	
Community Noise Monitoring Excursions and Corrective Actions				
Mondays - Fridays 7:00 am – 6:00pm: 85 dBA Leq				
Mondays - Fridays 6:00 pm – 7am: 75 dBA Leq				
Saturdays and Sundays: 75 dBA Leq				
Date	Leq 1hr Noise Reading before Corrective Action (DBA)	Leq 1hr Noise Reading after Corrective Action (DBA)	Corrective Action	
975 - MAR-02-DAY	86.4	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.	
975 - MAR-08-DAY	86	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.	
975 - MAR-17-DAY	85.5	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.	
975 - MAR-17-DAY	100.1	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to	

			background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-17-DAY	89.7	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-NIGHT	92	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	91	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	90	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	89.6	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	89.7	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	86.8	N/A	Based on a review of site operations, construction activities were not the dominant

			contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	87	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	87.5	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	87.7	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	88.2	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	90	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-DAY	88.3	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The

			exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-NIGHT	89.3	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-NIGHT	93.9	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-NIGHT	94.3	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-NIGHT	91.7	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-18-NIGHT	85.1	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-NIGHT	93.1	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to

			background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-NIGHT	91.8	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-NIGHT	89.4	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-NIGHT	90.3	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-NIGHT	85.6	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-NIGHT	85.2	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-DAY	83.7	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to

			background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-DAY	85.2	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-DAY	84.8	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-DAY	88.1	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-DAY	90.3	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
975 - MAR-19-DAY	94.1	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
997-MAR-01-DAY	88.1	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-01-DAY	85.4	N/A	TPOG was not on site at the time, and the

			exceedance was not related to construction activities.
997-MAR-01-DAY	85.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-02-DAY	89.3	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
997-MAR-02-DAY	99	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
997-MAR-20-DAY	89.3	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
997-MAR-20-DAY	87.6	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
997-MAR-28-NIGHT	93.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-28- NIGHT	92.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-28- NIGHT	94.4	N/A	TPOG was not on site at the time, and the exceedance was not related to construction

			activities.
997-MAR-28- NIGHT	86.7	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-29- NIGHT	90.9	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-29- NIGHT	86.5	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-29- NIGHT	88.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-29-DAY	90.5	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
997-MAR-29-DAY	90.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.

Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:

During the month of March 2026, two (2) noise monitoring devices were in operation at the project site recording construction-related noise levels in units of (DBA). During this period site preparation for the early support of excavation work occurred. The monitoring devices experienced several outages due to extreme weather conditions and/or power loss. These events resulted in some inconsistent data within this month. The horizontal line/diagonal line in the monitoring graphs represents the monitor experiencing power loss or inactivity.

No construction related corrective actions or measures related to construction activity were required this month. There was a total of 50 exceedances for AQS 975 and AQS 997 for the listed days were primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.

The noise monitoring devices are inspected daily and calibrated weekly.

2) Community Vibration Monitoring Monthly Summary

Units inches per second (in/sec)

Number of Workdays in a Month	Number of Vibration Monitoring Days in a Month	Number of Days with Construction Vibration Levels above Stop Work Levels by Month	Comments
24	31	3	No action required. Vibration caused by exercise equipment and free weights.

Community Vibration Monitoring Excursions and Corrective Actions

Action Level = 0.25 in/sec

Stop Work Level = 0.5 in/sec

Date: Time	Maximum Vibration Level before Corrective Action (in/sec)	Maximum Vibration Level after Corrective Action (in/sec)	Corrective Action
MAR 9 - R19	0.734	N/A	No action required. Vibration caused by exercise equipment and free weights.
MAR 25 - R19	0.706	N/A	No action required. Vibration caused by exercise equipment and free weights.
MAR 27- R19	0.721	N/A	No action required. Vibration caused by exercise equipment and free weights.

Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

During the month of March 2026, twelve (12) vibration monitoring devices were in operation at the project site recording construction-related vibration levels in units of (in/sec).

From March 1 to March 31 the monitoring devices were active during all working hours, including weekends.

Vibration Monitor R16 showed no data between March 1-4 as the device had an issue with the power cable and the unit was unplugged. The site technician replaced the power cable and plugged the unit back into the power source on March 4, 2026.

Three stop work exceedances occurred in March. Vibration monitor R19 installed at 100 Centre St is in an area known for elevated vibration levels primarily caused by exercise equipment and free weights. This monitor will be relocated.

3) Community Dust Monitoring Monthly Summary

TWA – Time Weighted Average
 $\mu\text{g}/\text{m}^3$ – micrograms per cubic meter

Number of Workdays in a Month	Number of Dust Monitoring Days in a Month	Number of Days with Dust Concentrations above Action Concentrations by Month	Comments
24	31	0	Dust monitoring was performed during work hours.

Community Air Monitoring Excursions and Corrective Actions

Action Concentration = $100 \mu\text{g}/\text{m}^3$ 15 minute TWA above background concentration

Stop Work Concentration = $150 \mu\text{g}/\text{m}^3$ 15 minute TWA above background concentration

Date: Time	Maximum Dust Reading before Corrective Action 15 Minute TWA ($\mu\text{g}/\text{m}^3$)	Maximum Dust Reading after Corrective Action 15 Minute TWA ($\mu\text{g}/\text{m}^3$)	Corrective Action
N/A	N/A	N/A	N/A

Narrative Summary of Dust Monitoring, Excursions and Corrective Actions:

During the month of March 2026, a total of two (2) dust monitoring devices were in operation at the project site, recording construction-related levels of Particulate Matter 10 (PM10).

From March 1 to March 31 the monitoring devices were active during all working hours, including weekends. For few days during this month, the data was not recorded due to battery depletion in the monitoring devices. The equipment was promptly restored to service following battery replacement and resumed normal operation thereafter.

No stop work level exceedances took place this month.

Monitoring Reports:

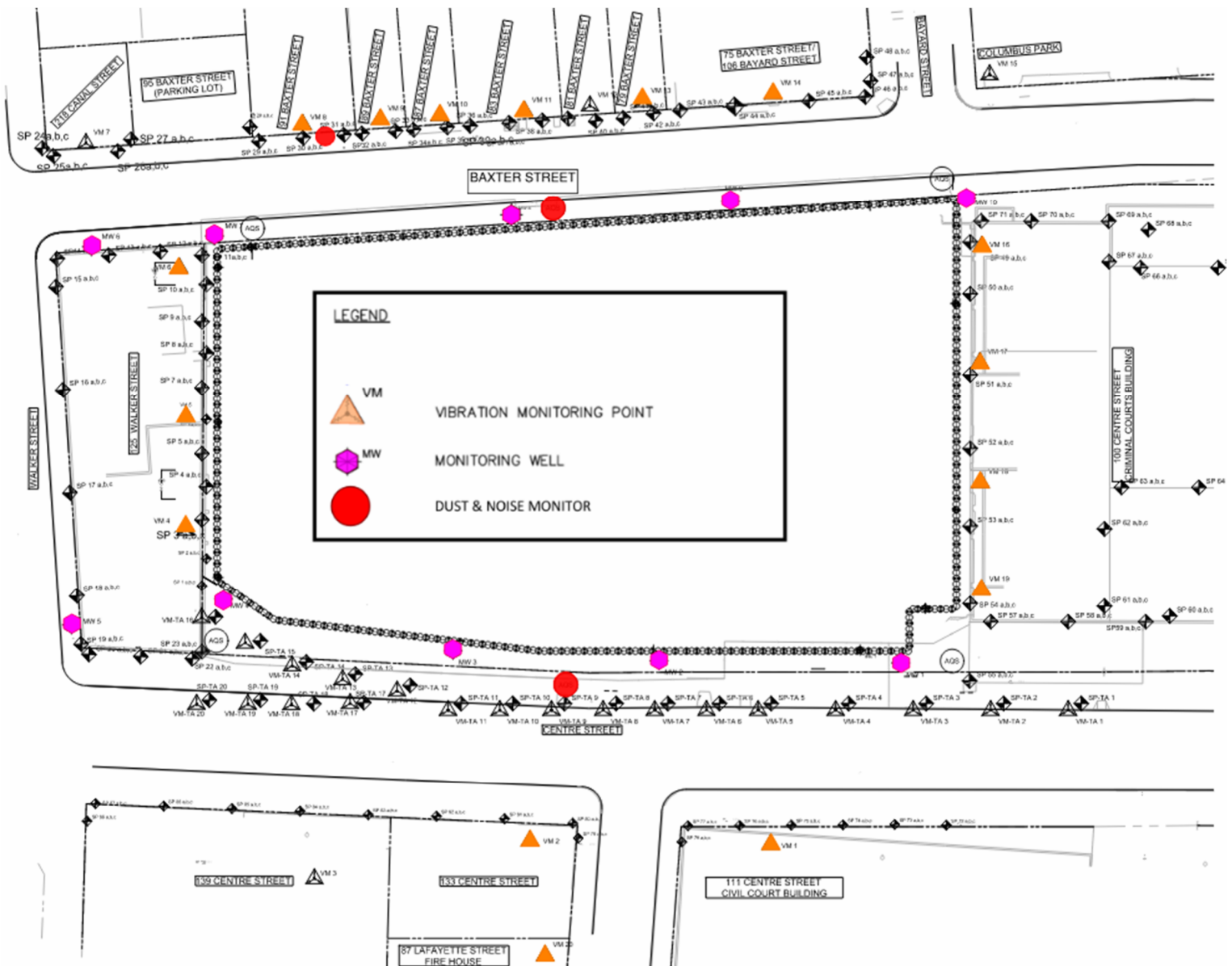
ATTACHMENTS:

1 – Map of monitoring station/locations

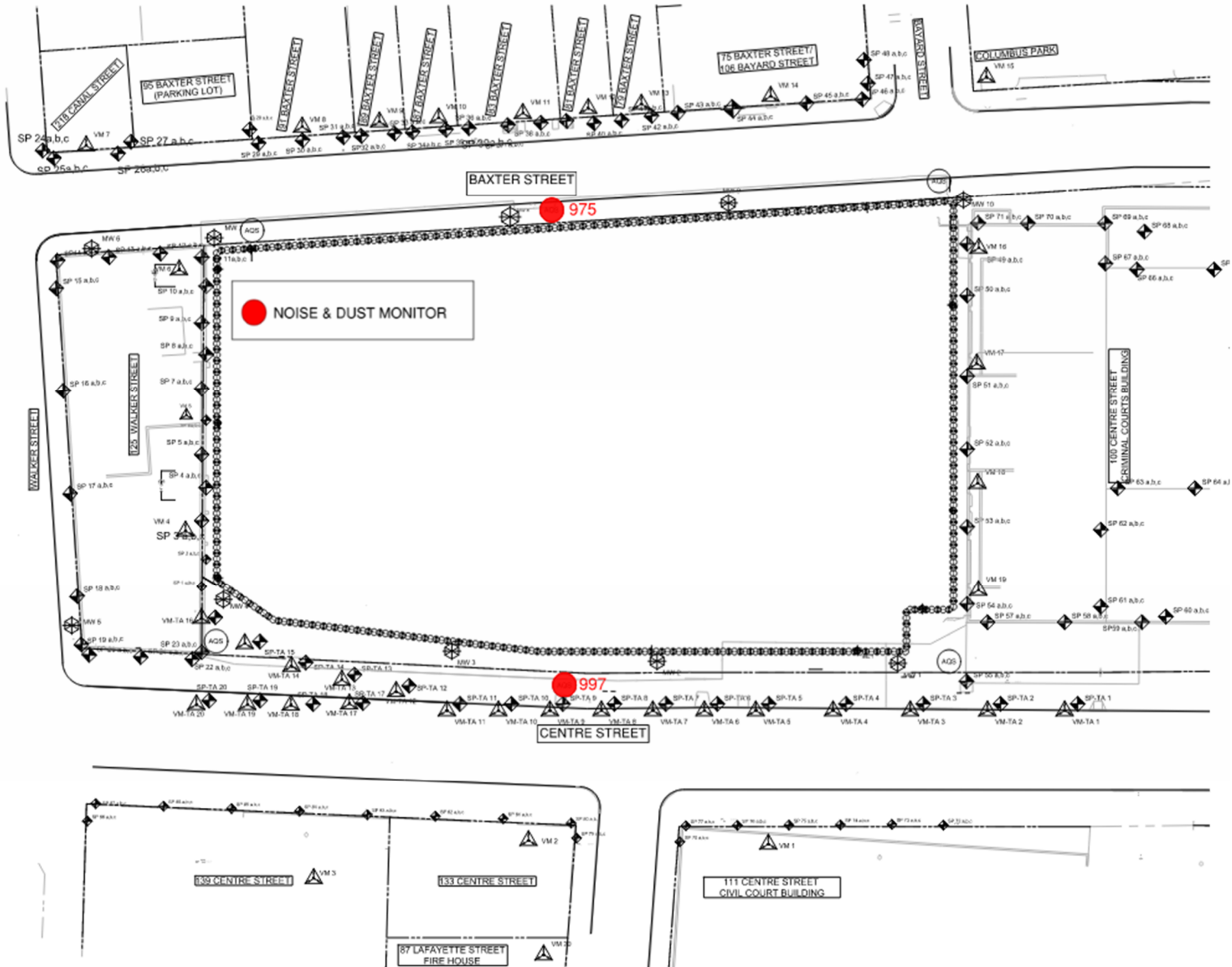
2 – Data Plots

- Dust Monitor Data Graphs
- Noise Monitor Data Graphs
- Vibration Monitor Data Graphs

3 – Baseline Reference



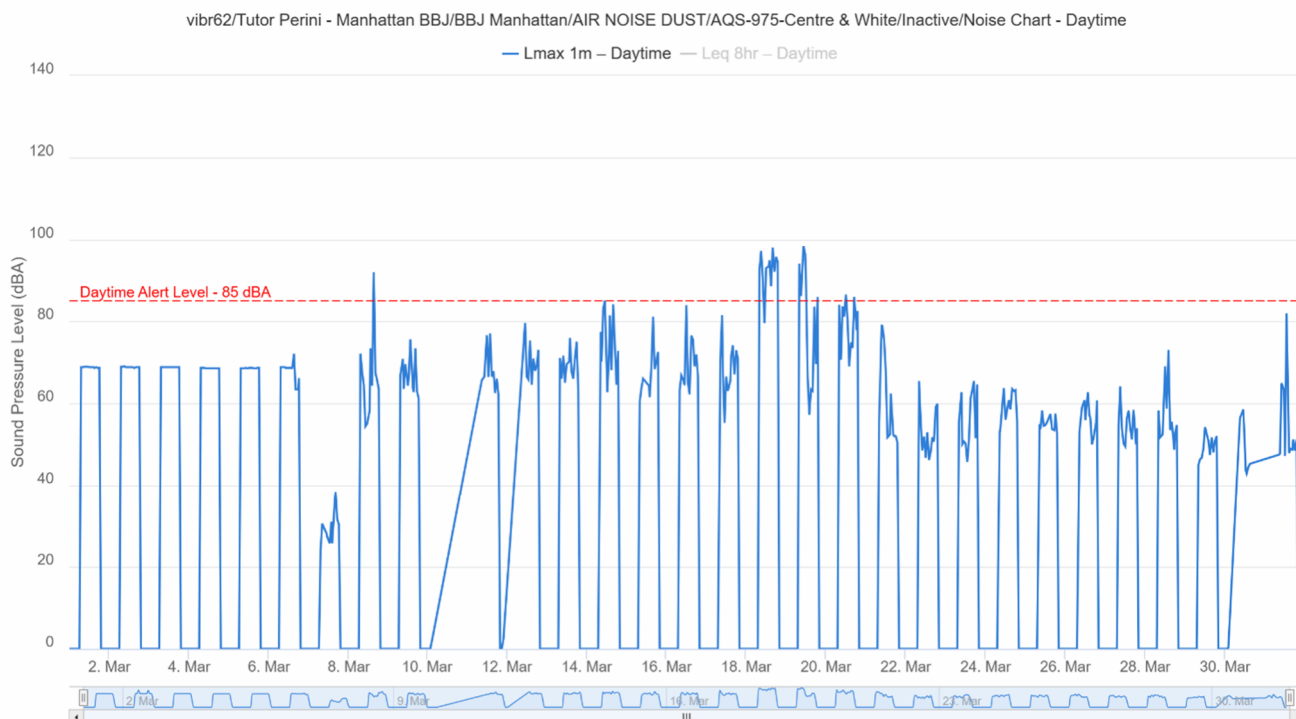
NOISE METER LOCATIONS



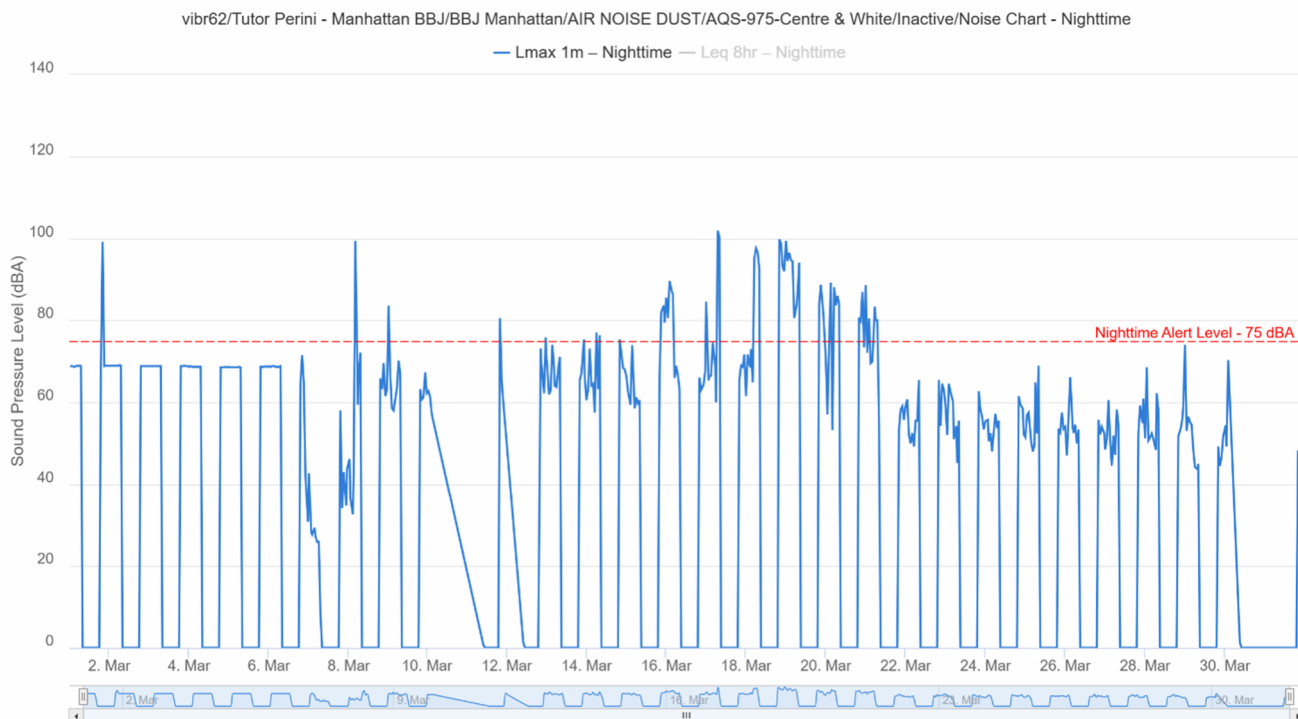
NOISE GRAPHS

Device #975 – Noise Monitoring Station

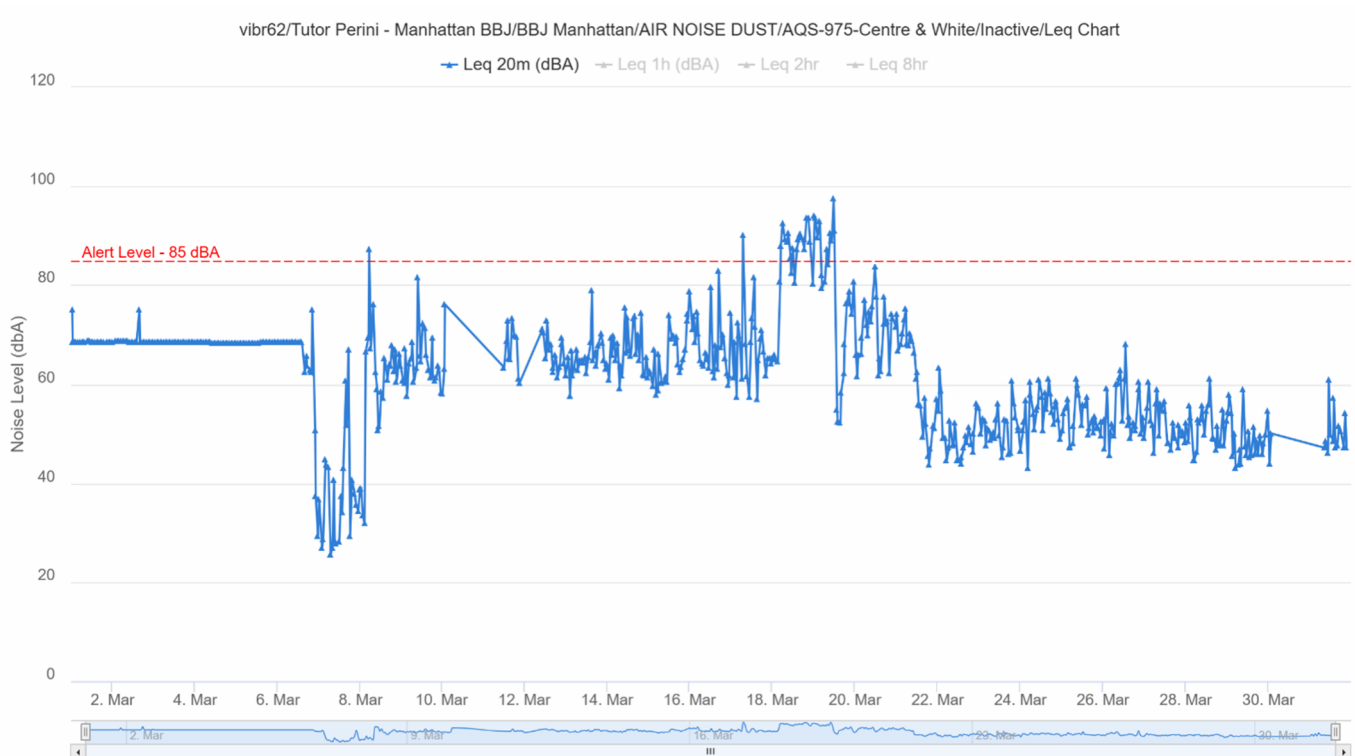
Noise Monitoring Station #975 Lmax – Daytime



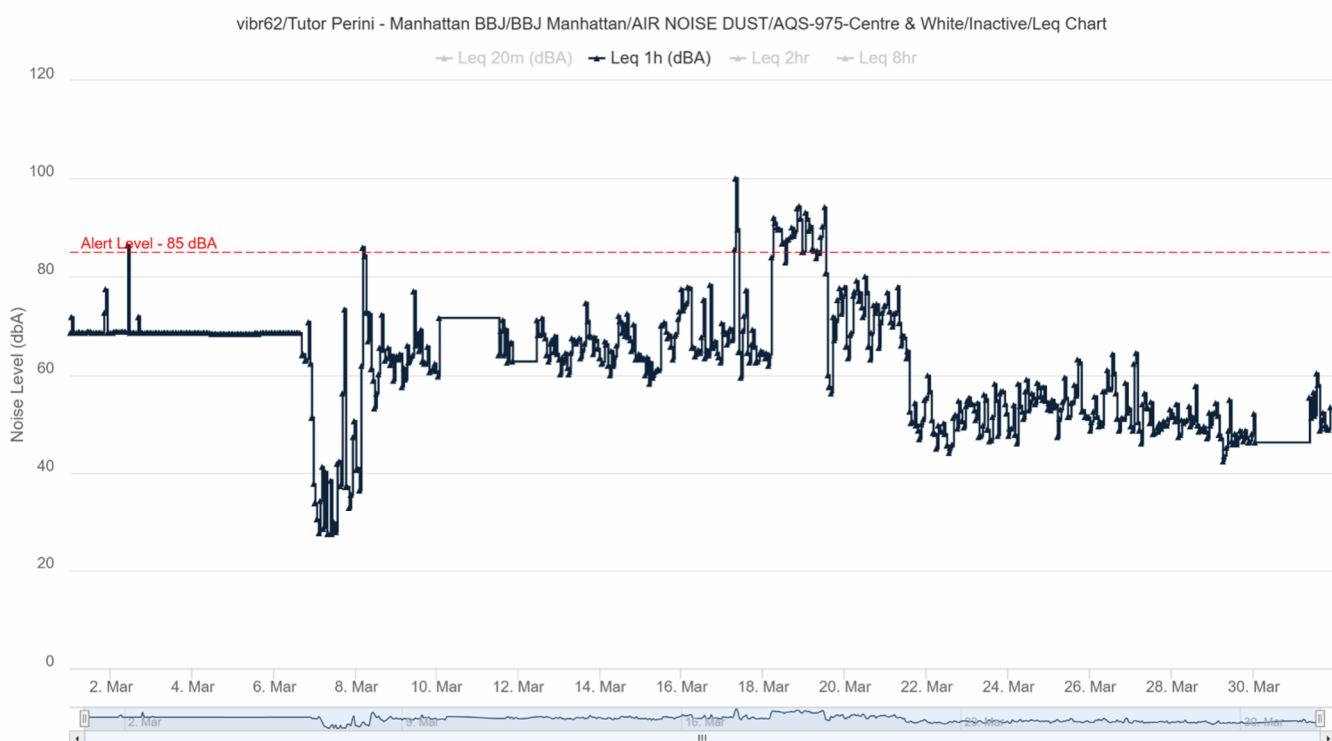
Noise Monitoring Station #975 Lmax – Nighttime



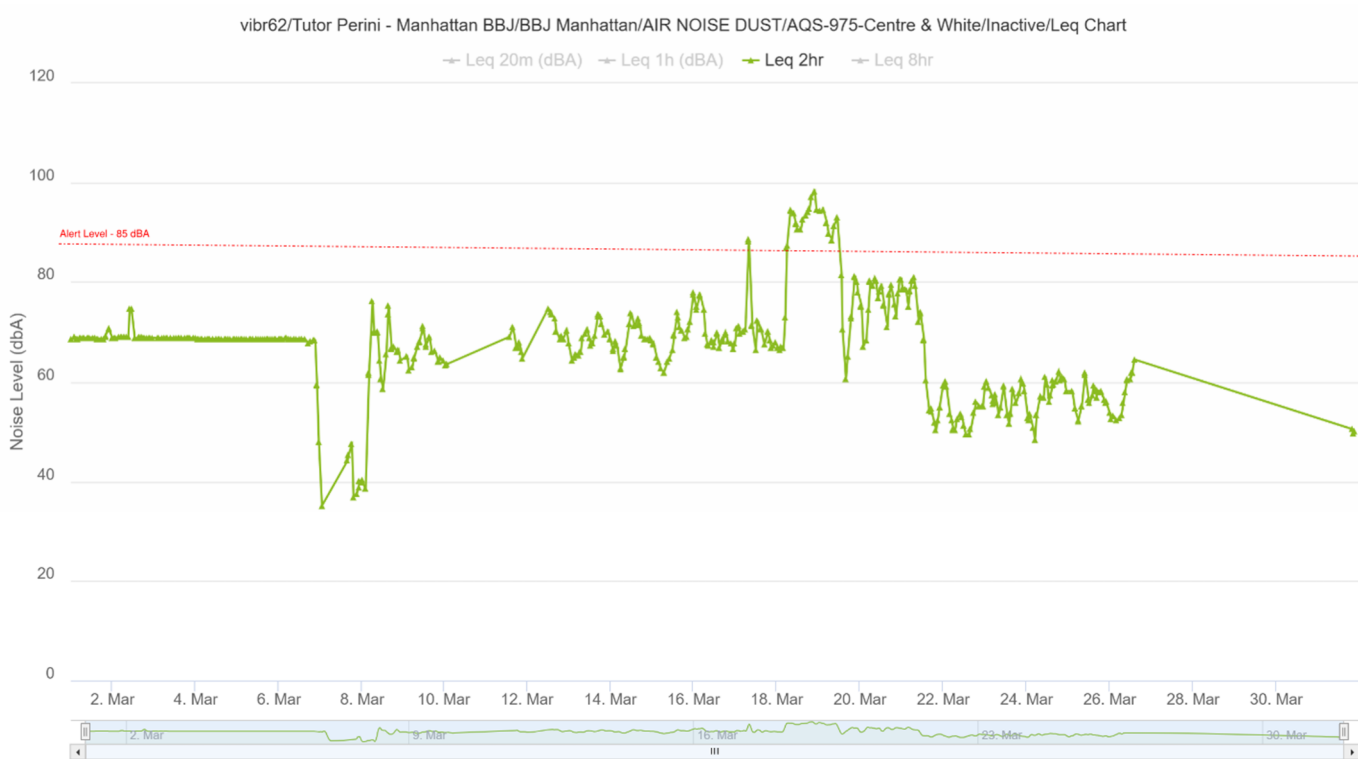
Noise Monitoring Station #975 Leq – 20 minute



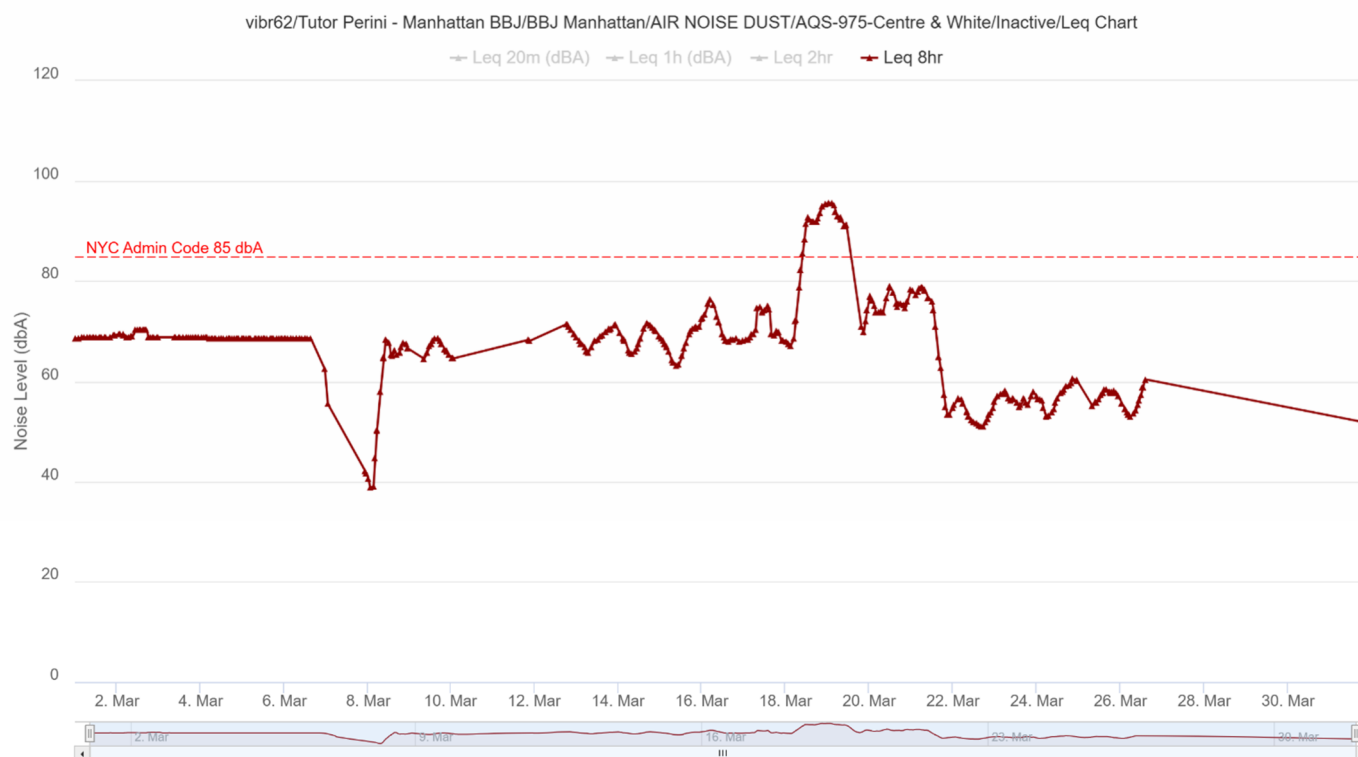
Noise Monitoring Station #975 Leq – 1 hour

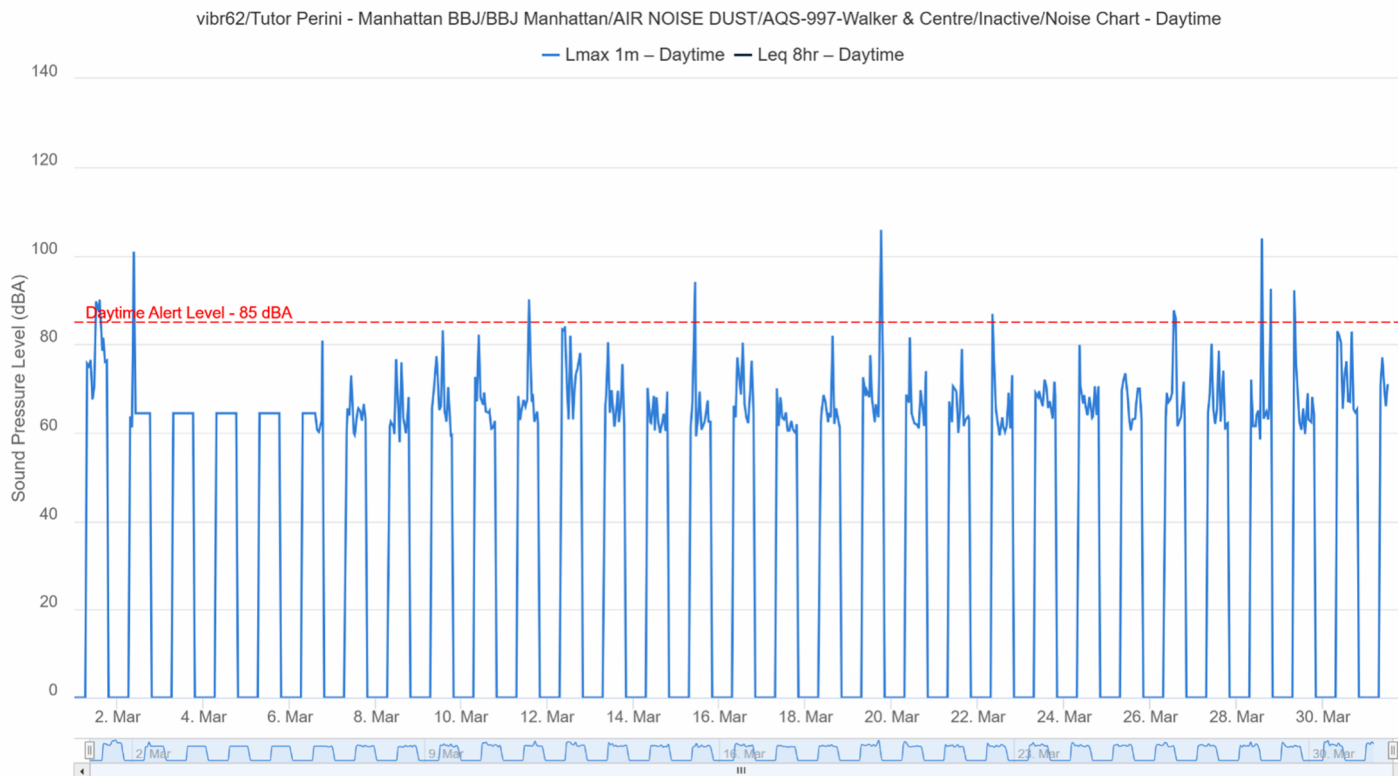
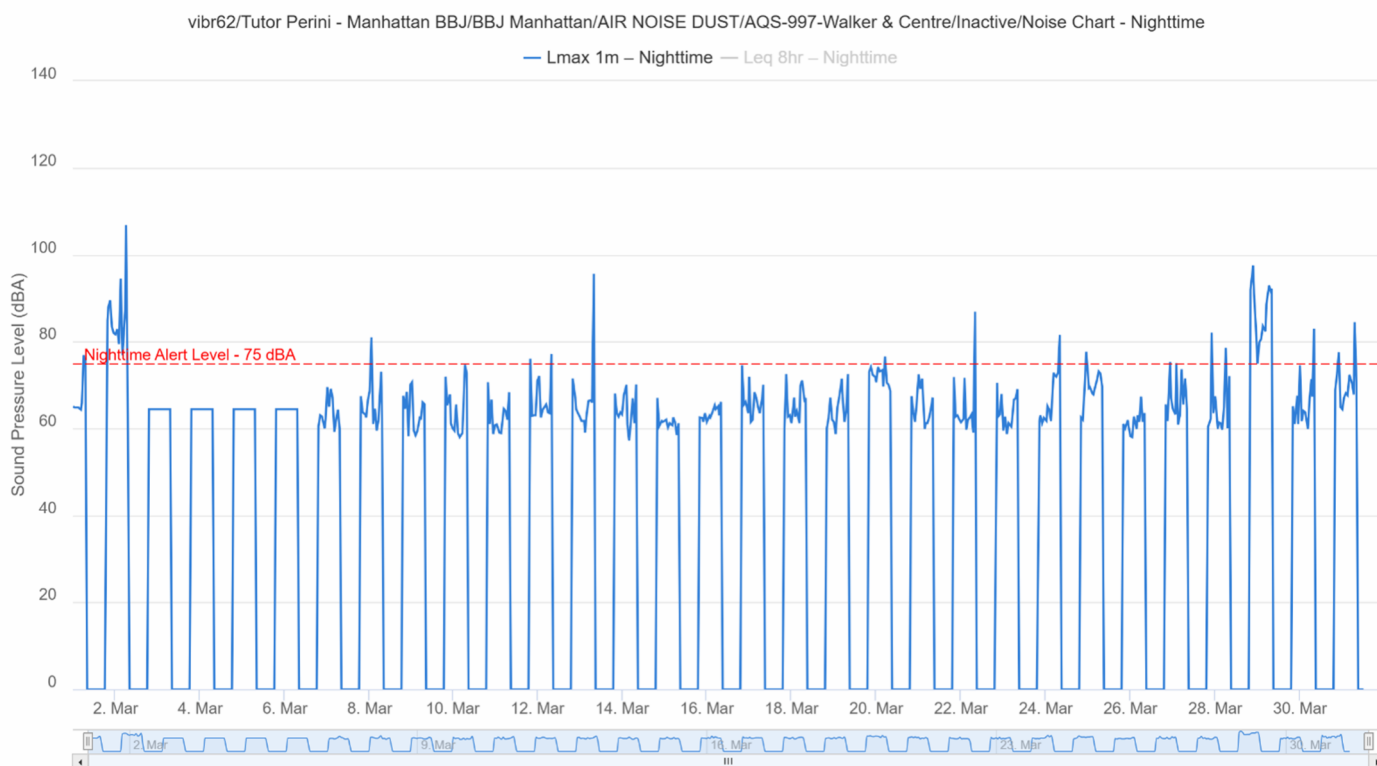


Noise Monitoring Station #975 Leq – 2 hour



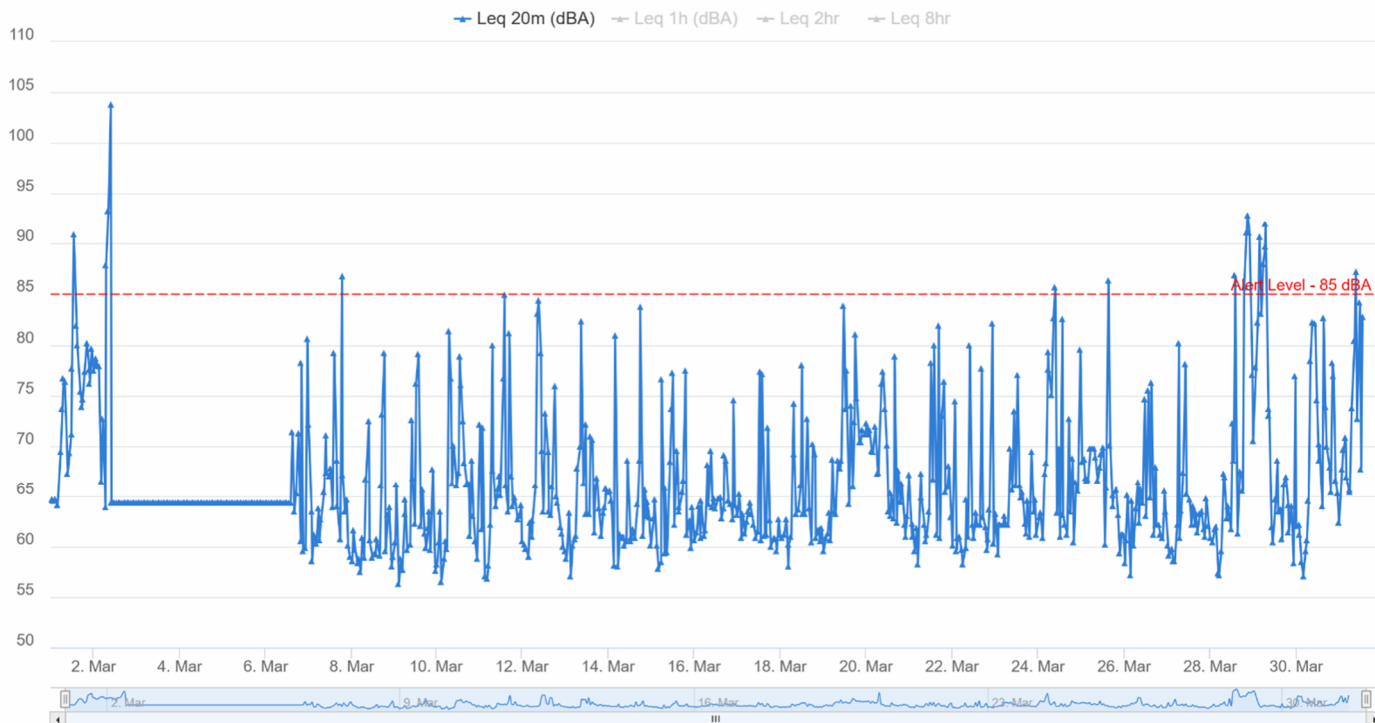
Noise Monitoring Station #975 Leq – 8 hour



Device #997 – Noise Monitoring Station**Noise Monitoring Station #997 Lmax - Daytime****Noise Monitoring Station #997 Lmax - Nighttime**

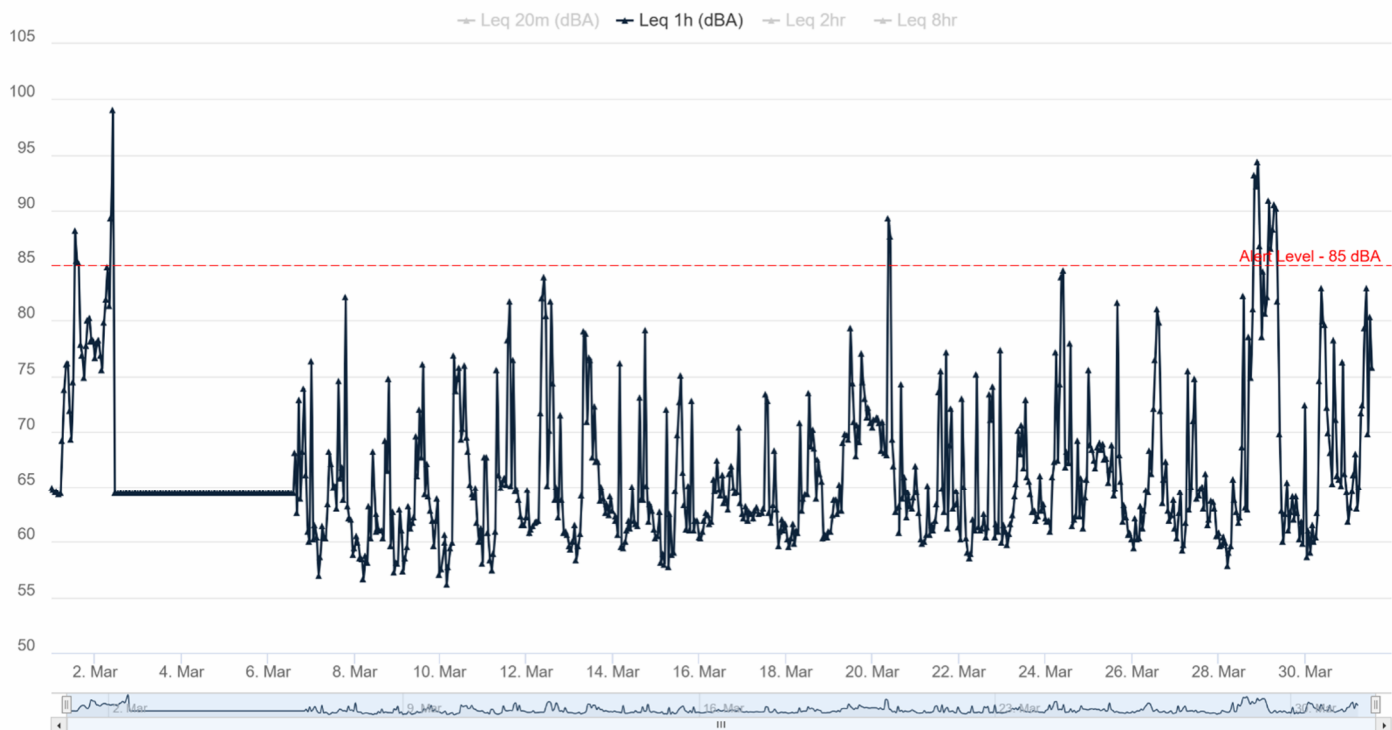
Noise Monitoring Station #997 Leq – 20minute

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/AIR NOISE DUST/AQS-997-Walker & Centre/Inactive/Leq Chart

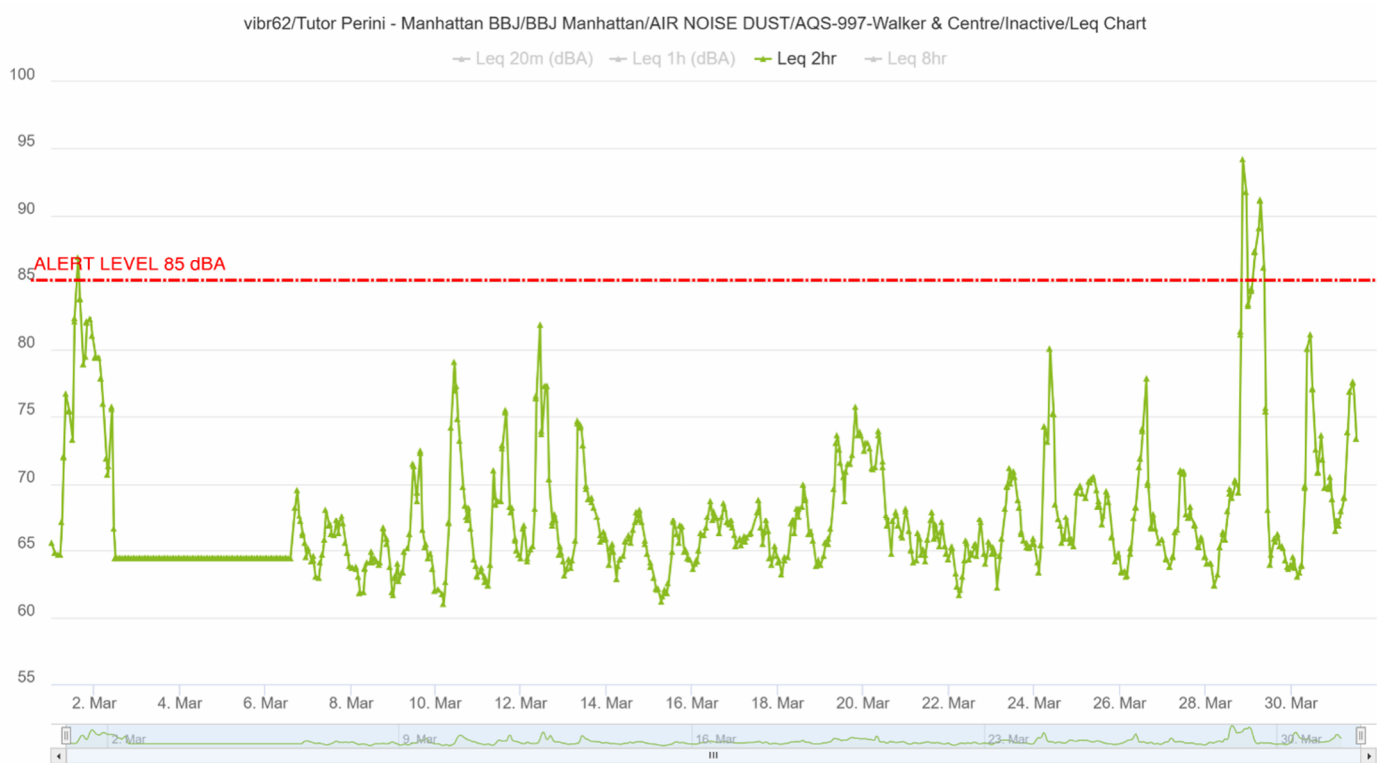


Noise Monitoring Station #997 Leq – 1 hour

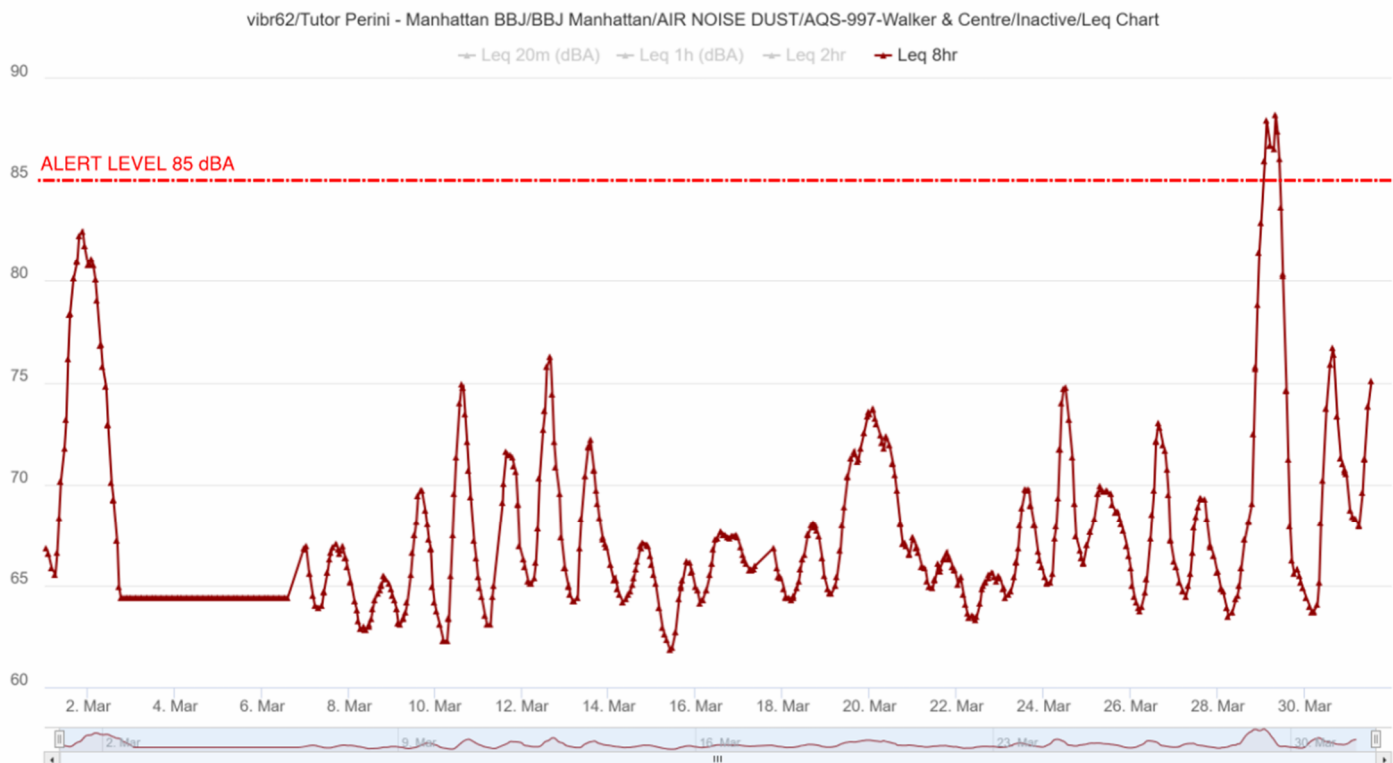
vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/AIR NOISE DUST/AQS-997-Walker & Centre/Inactive/Leq Chart



Noise Monitoring Station #997 Leq – 2 hour

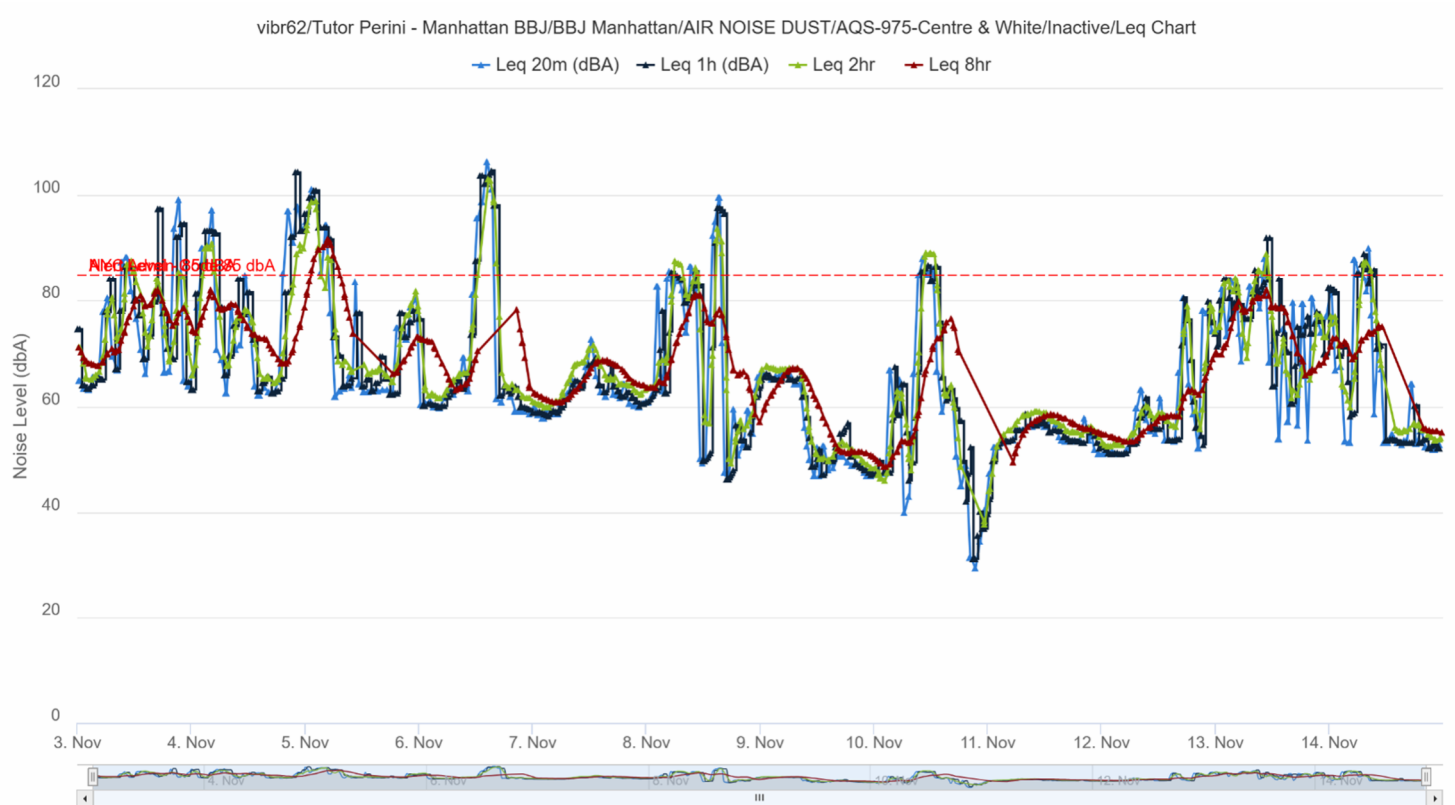


Noise Monitoring Station #997 Leq – 8 hour



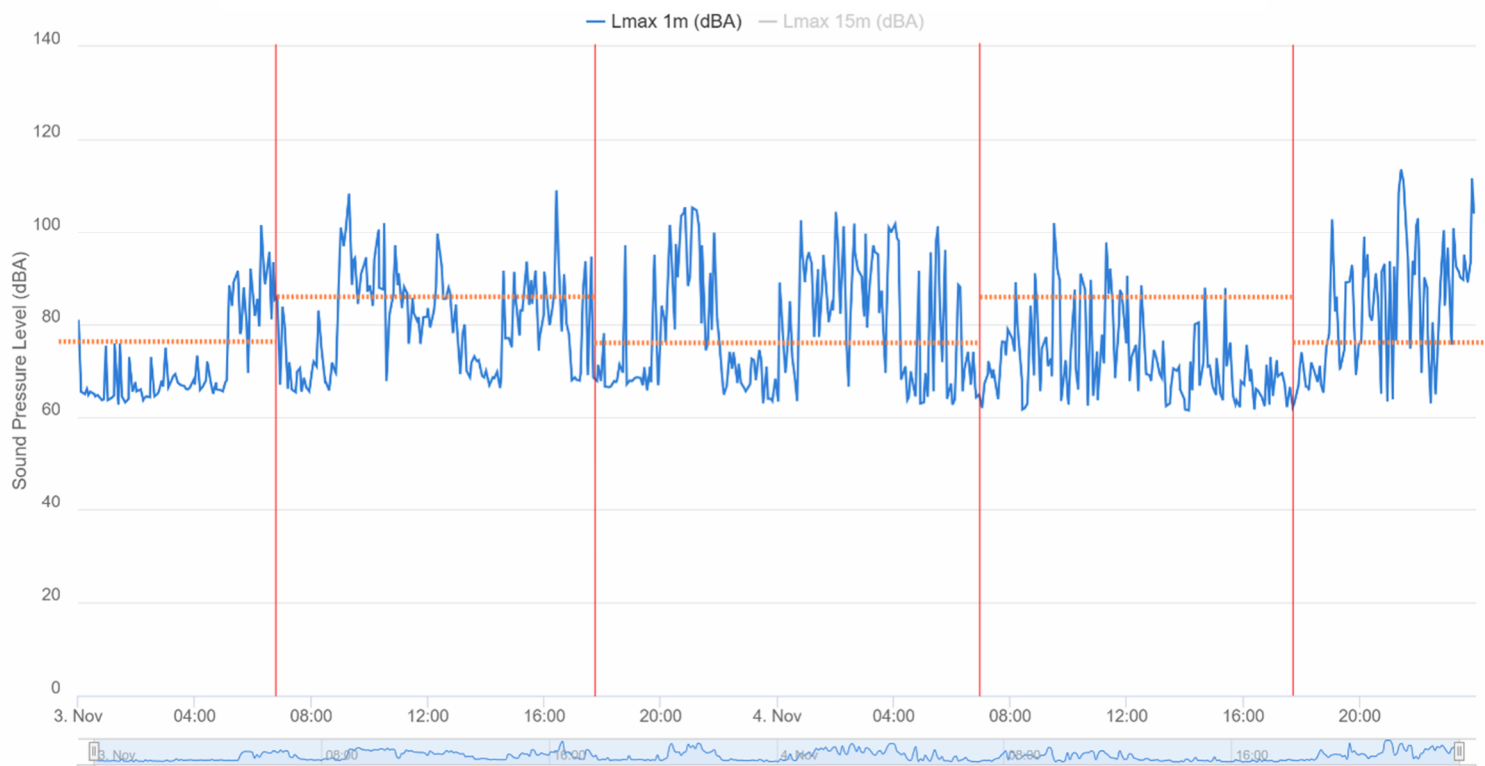
Noise Baseline**Leq Baseline**

Noise Monitoring Station #975 Leq - Baseline



Lmax Baseline

Noise Monitoring Station #997 Lmax - Baseline

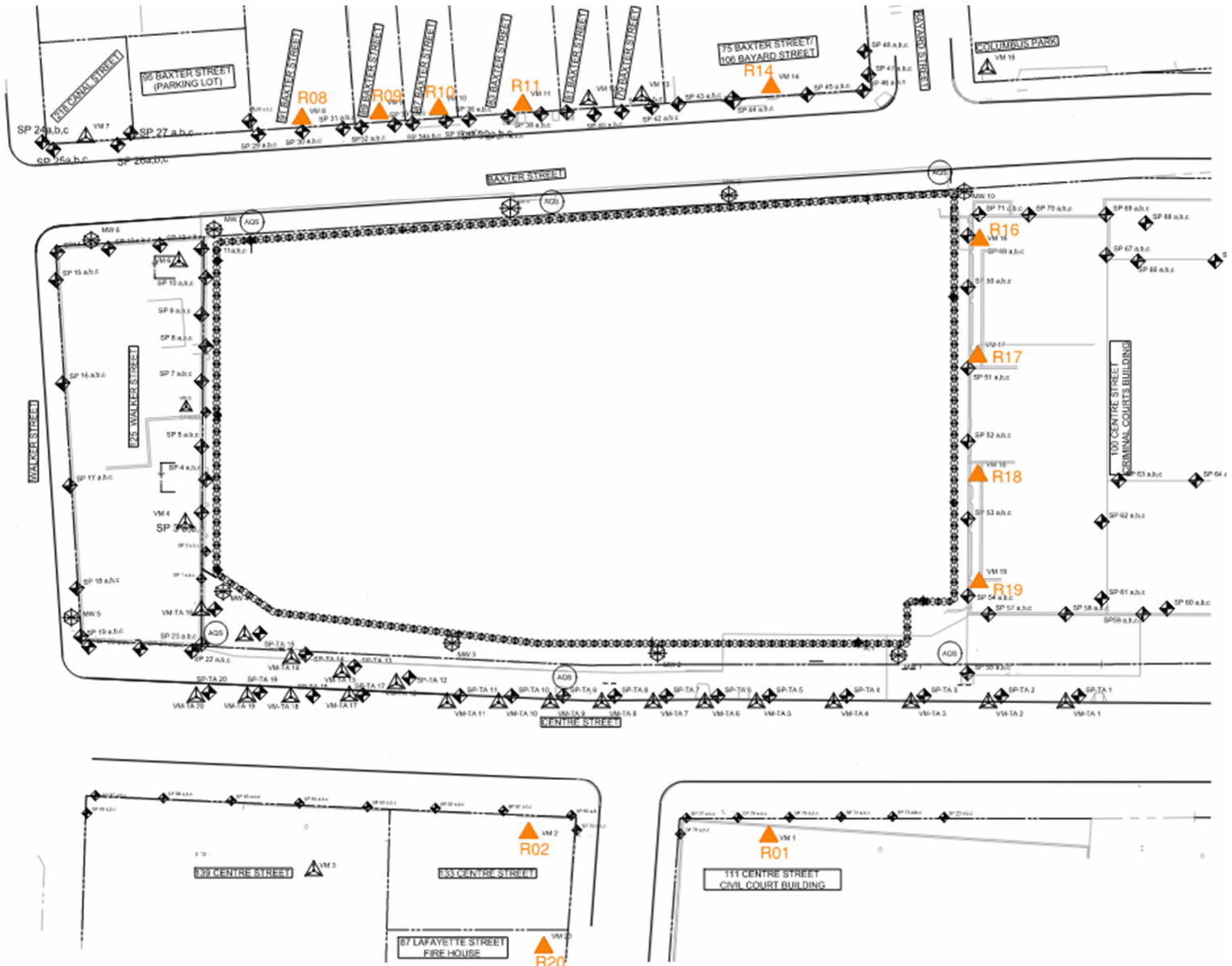
**LEGEND:**

7:00 am – 6:00pm: 85 dBA Leq (Orange dashed line)

6:00 am – 7:00pm: 75 dBA Leq (Orange dashed line)

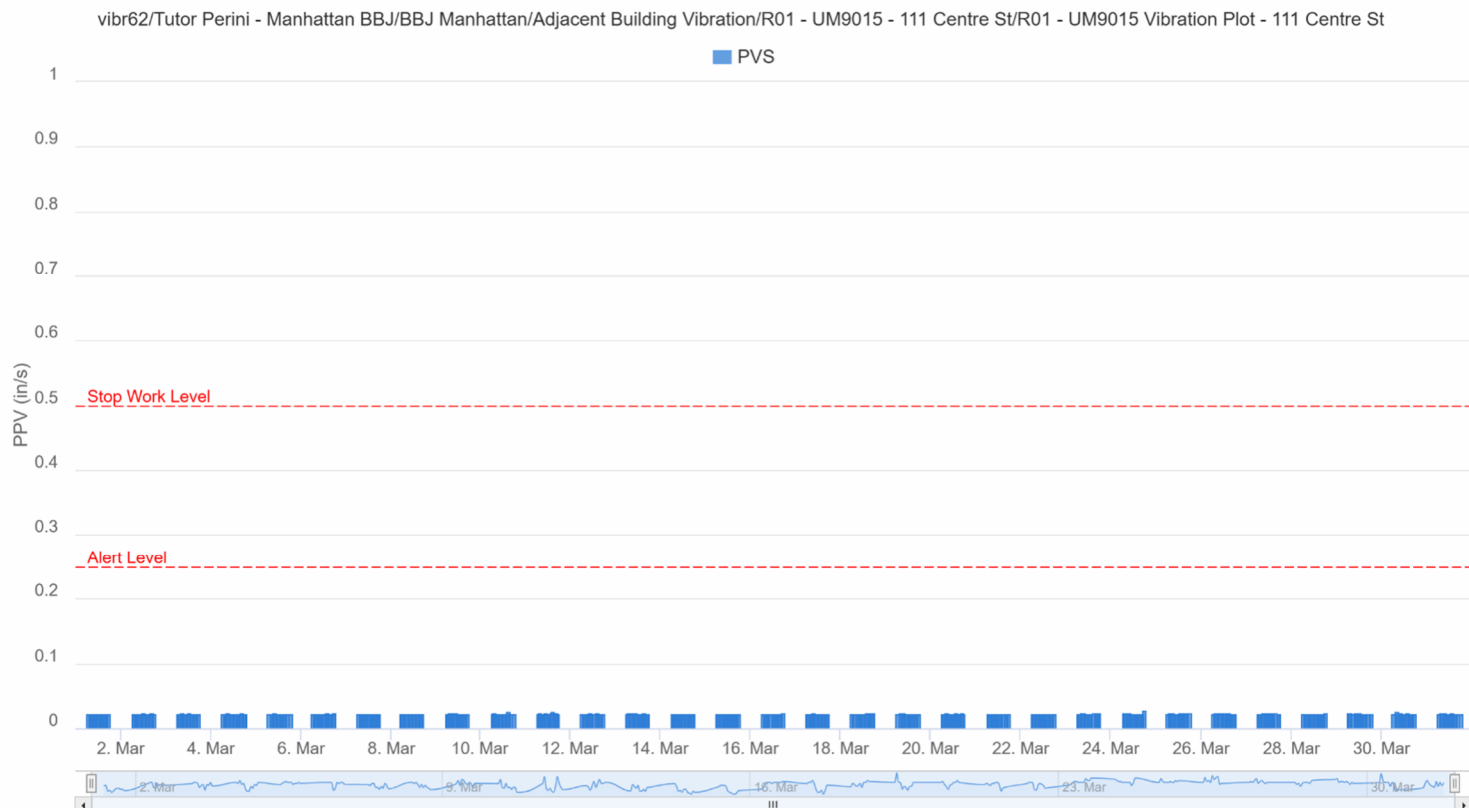
Vibration Monitor Location

Current Locations:



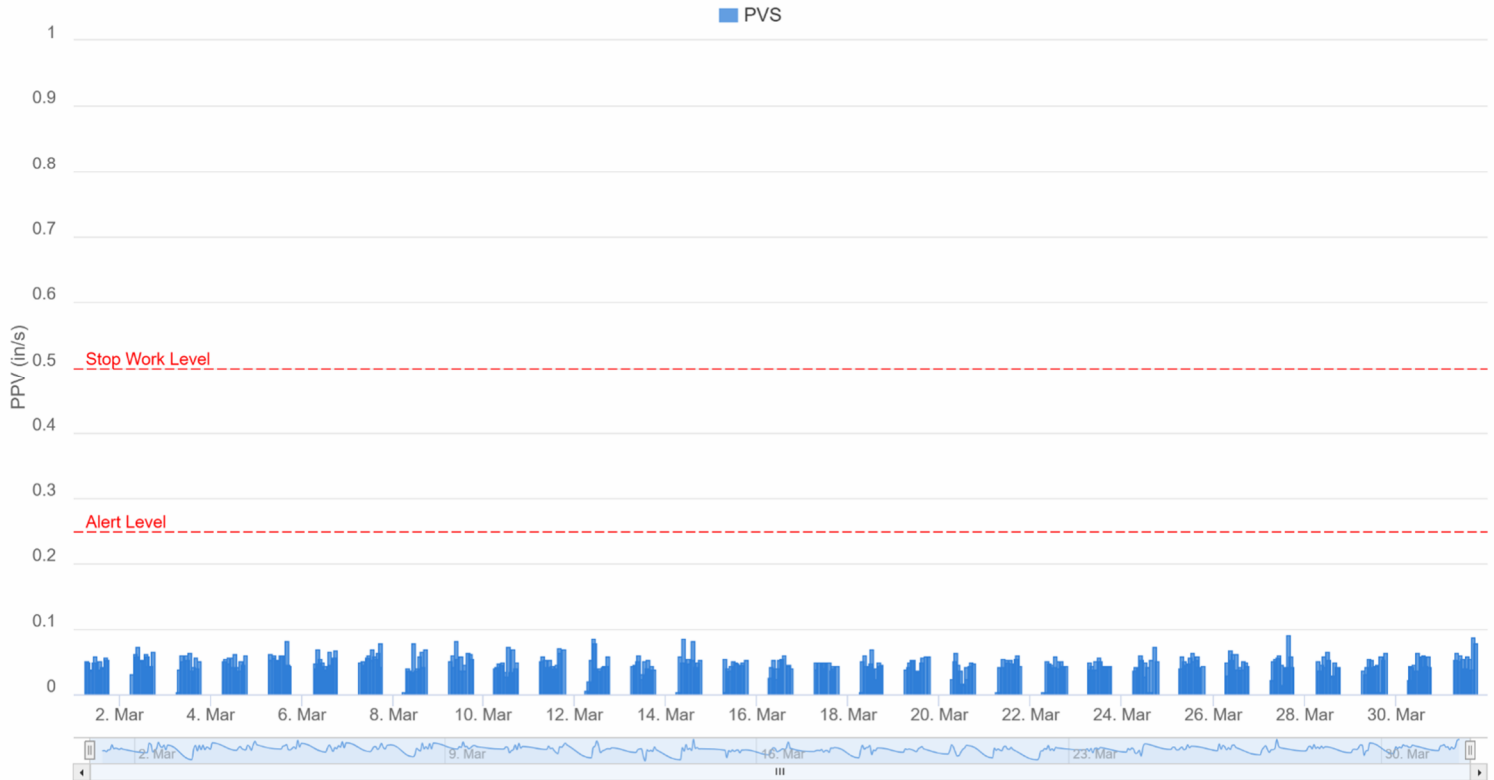
Vibration Monitor Plots

R01



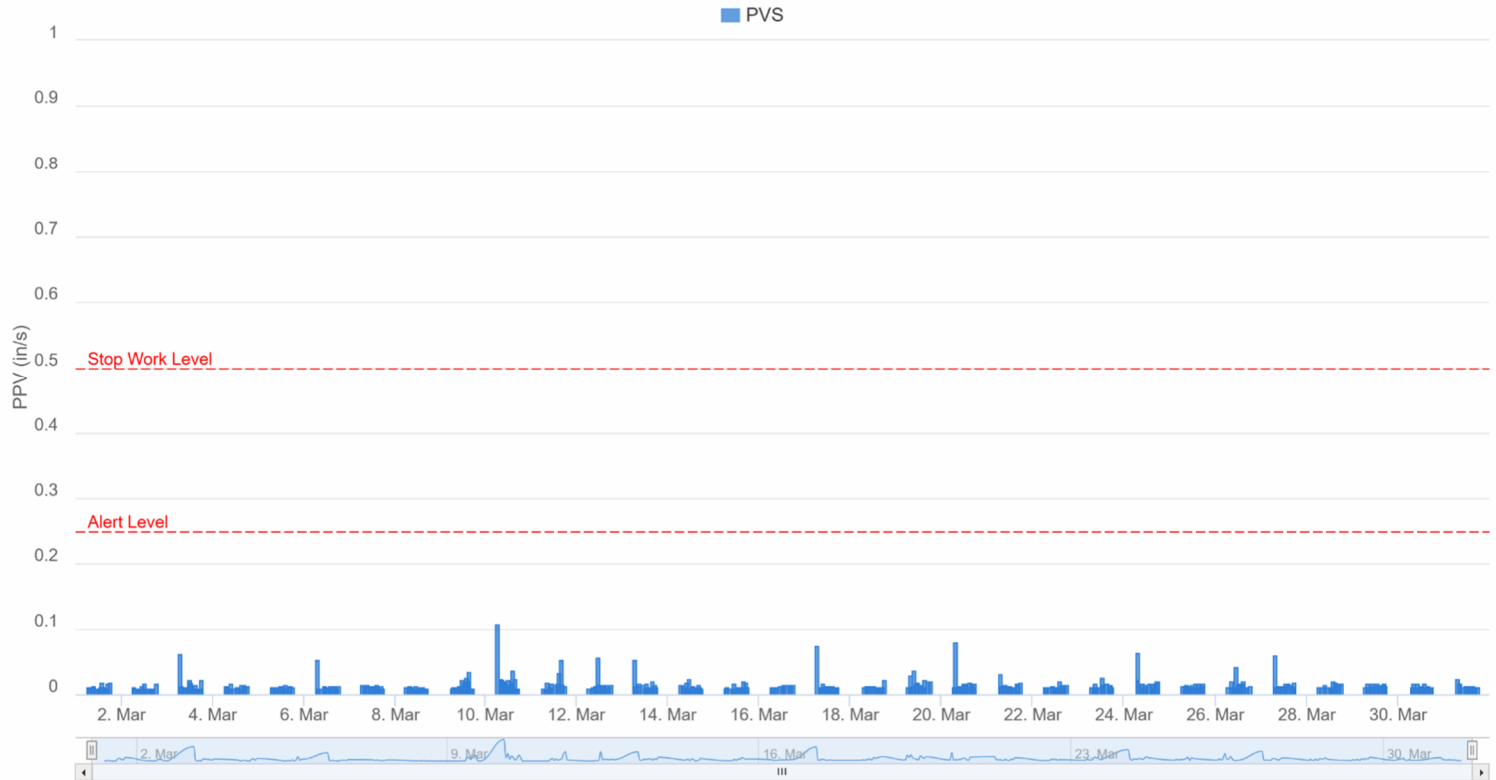
R02

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R02 - UM14116 - 133 Centre St/R02 - UM14116 Vibration Plot - 133 Centre St

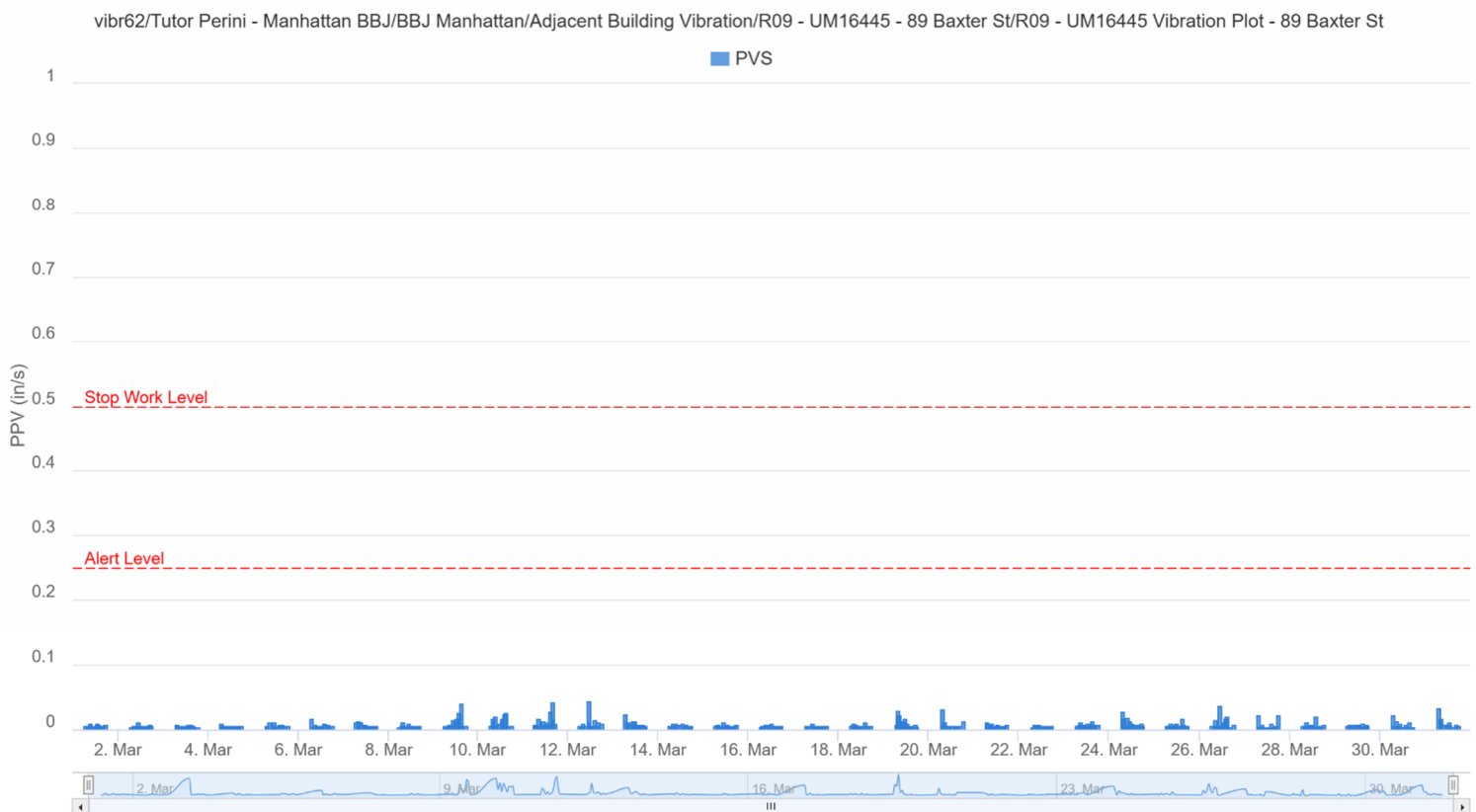


R08

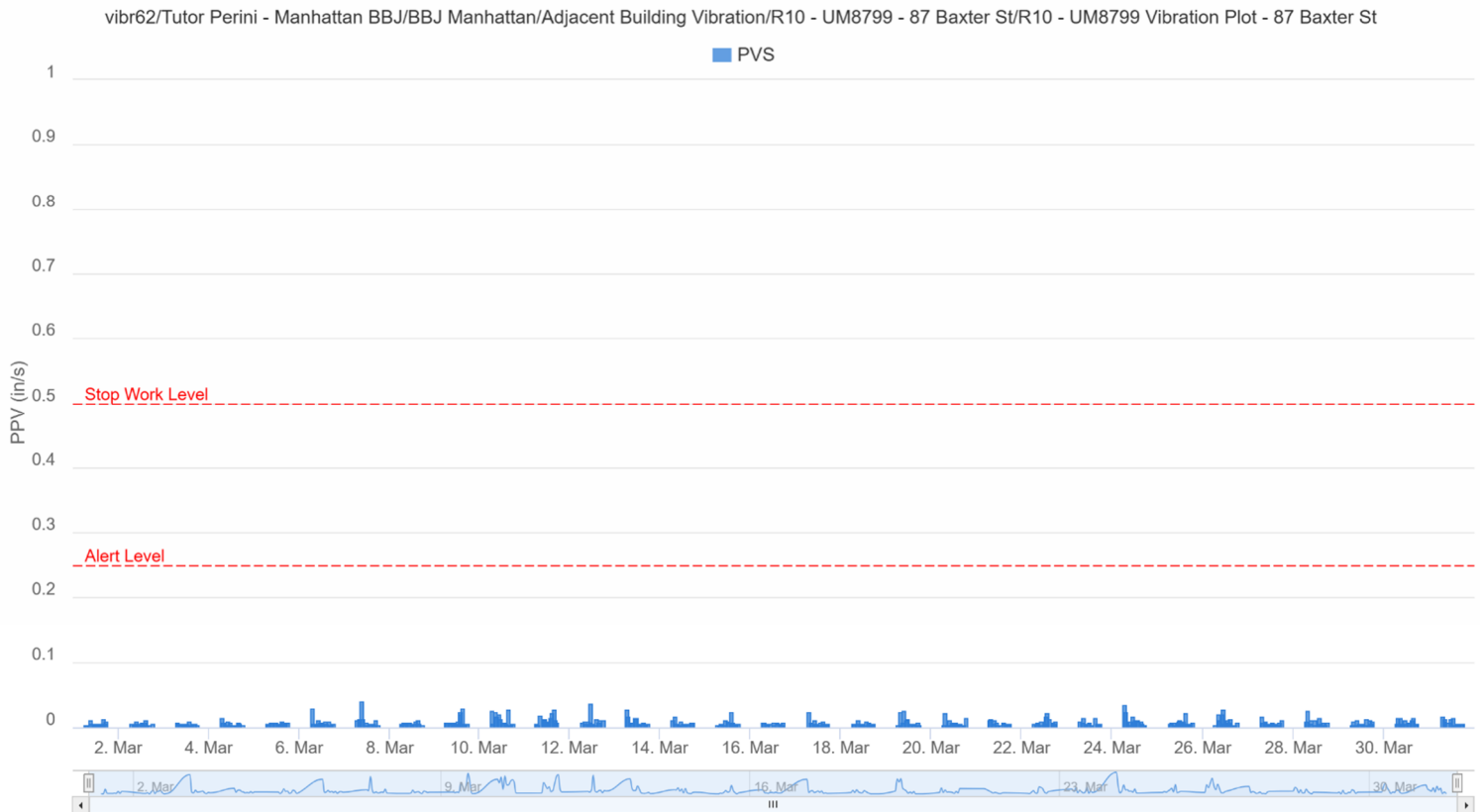
vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R08 - UM8977 - 91 Baxter St/R08 - UM8977 Vibration Plot - 91 Baxter St



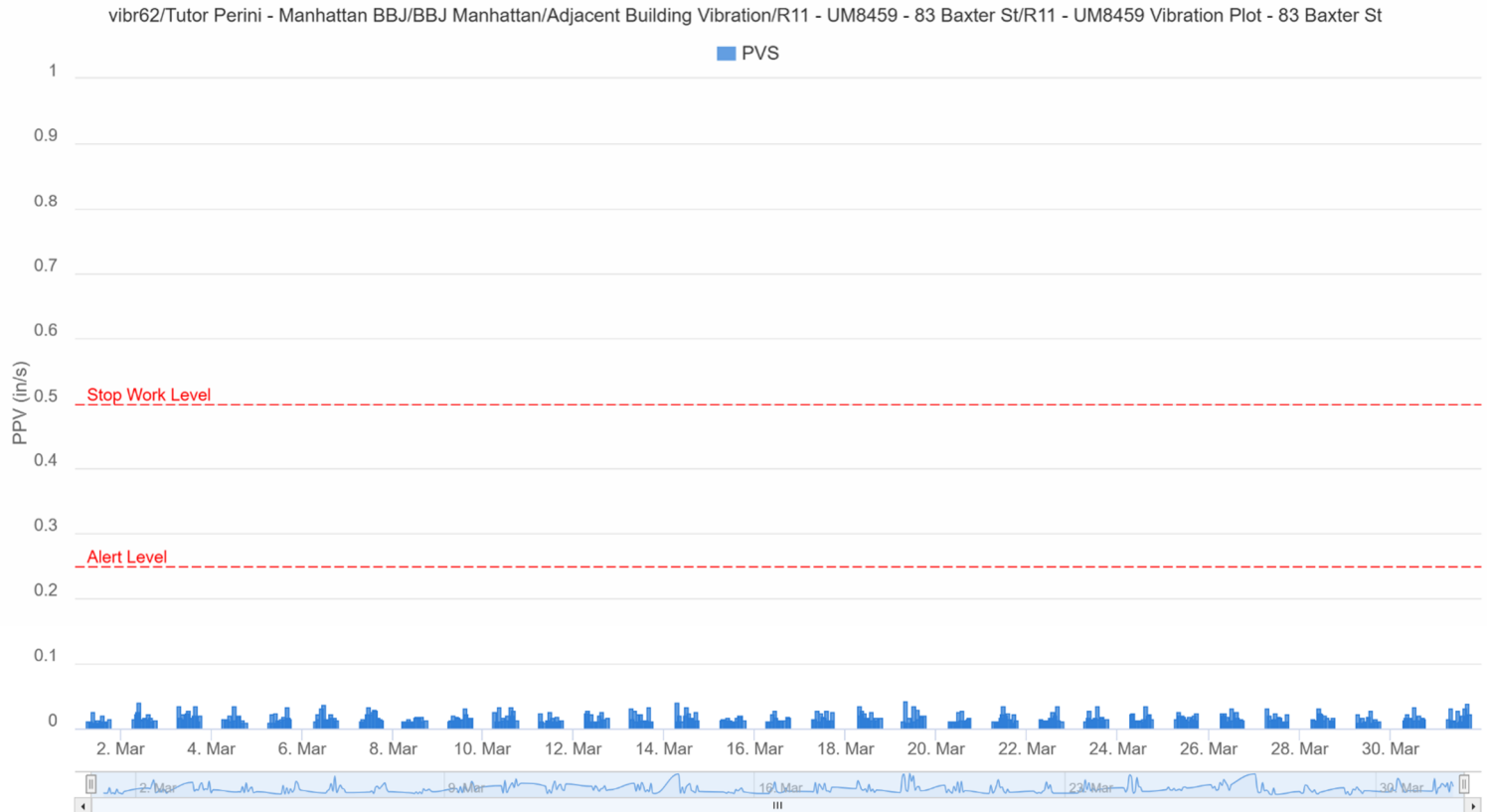
R09



R10



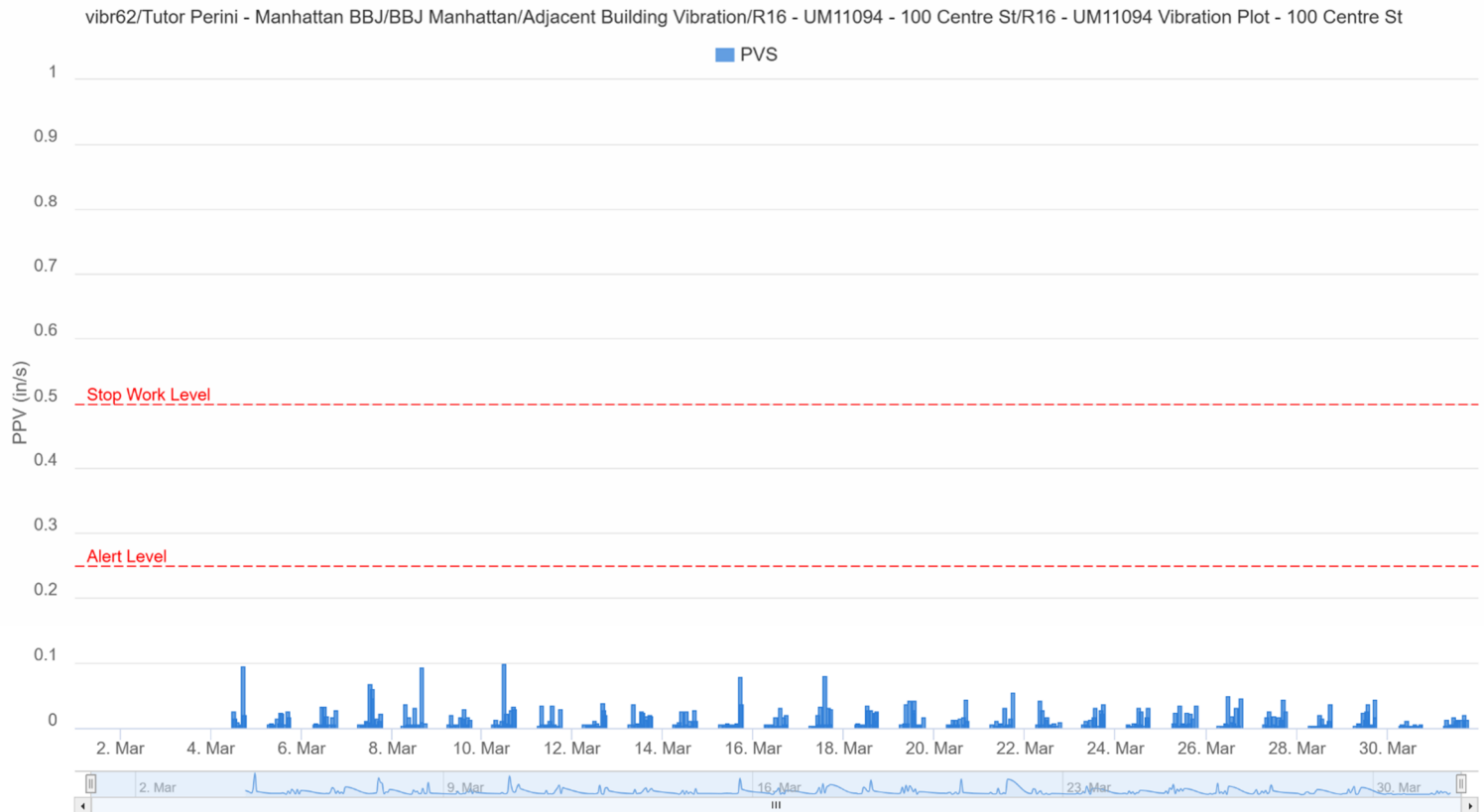
R11



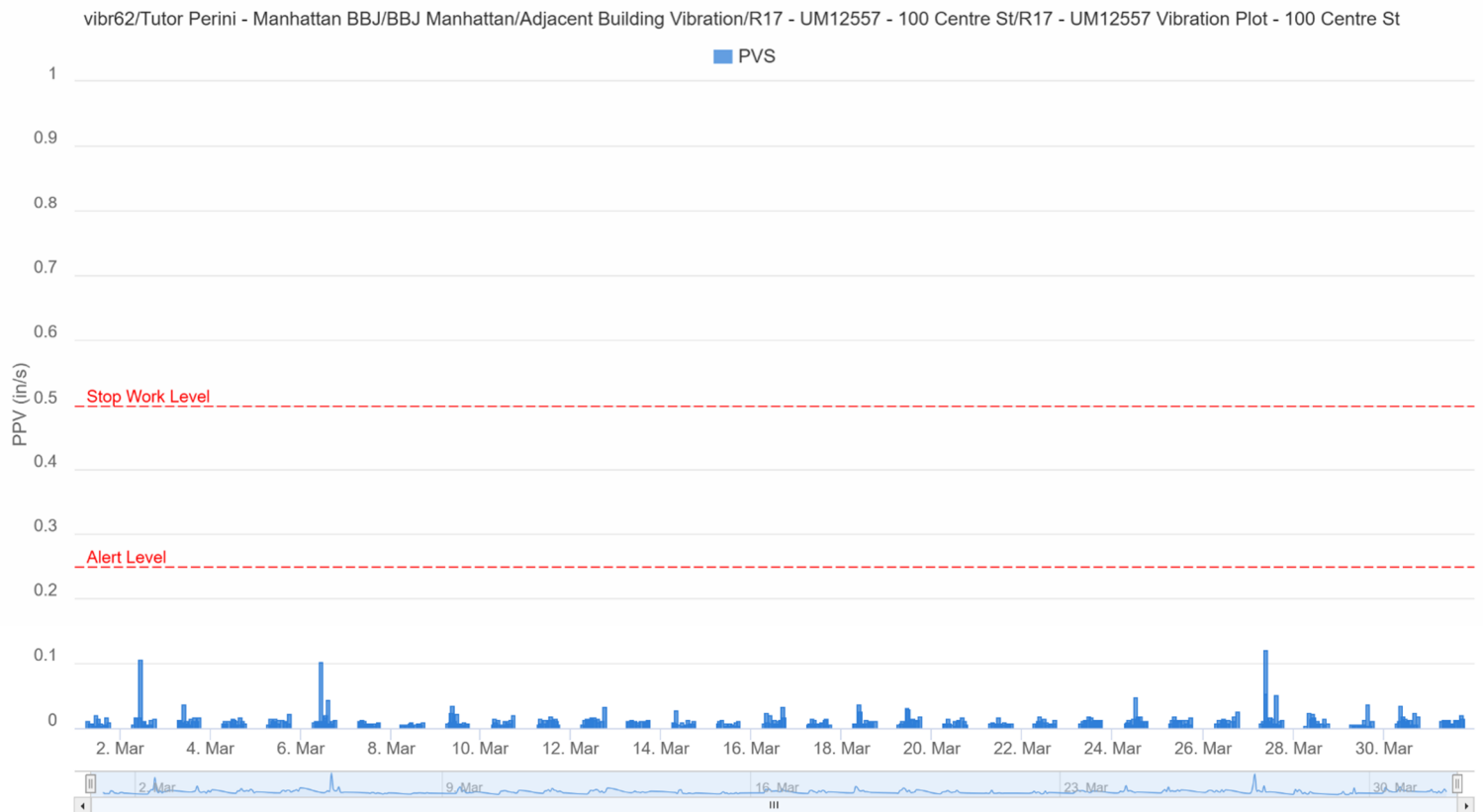
R14



R16



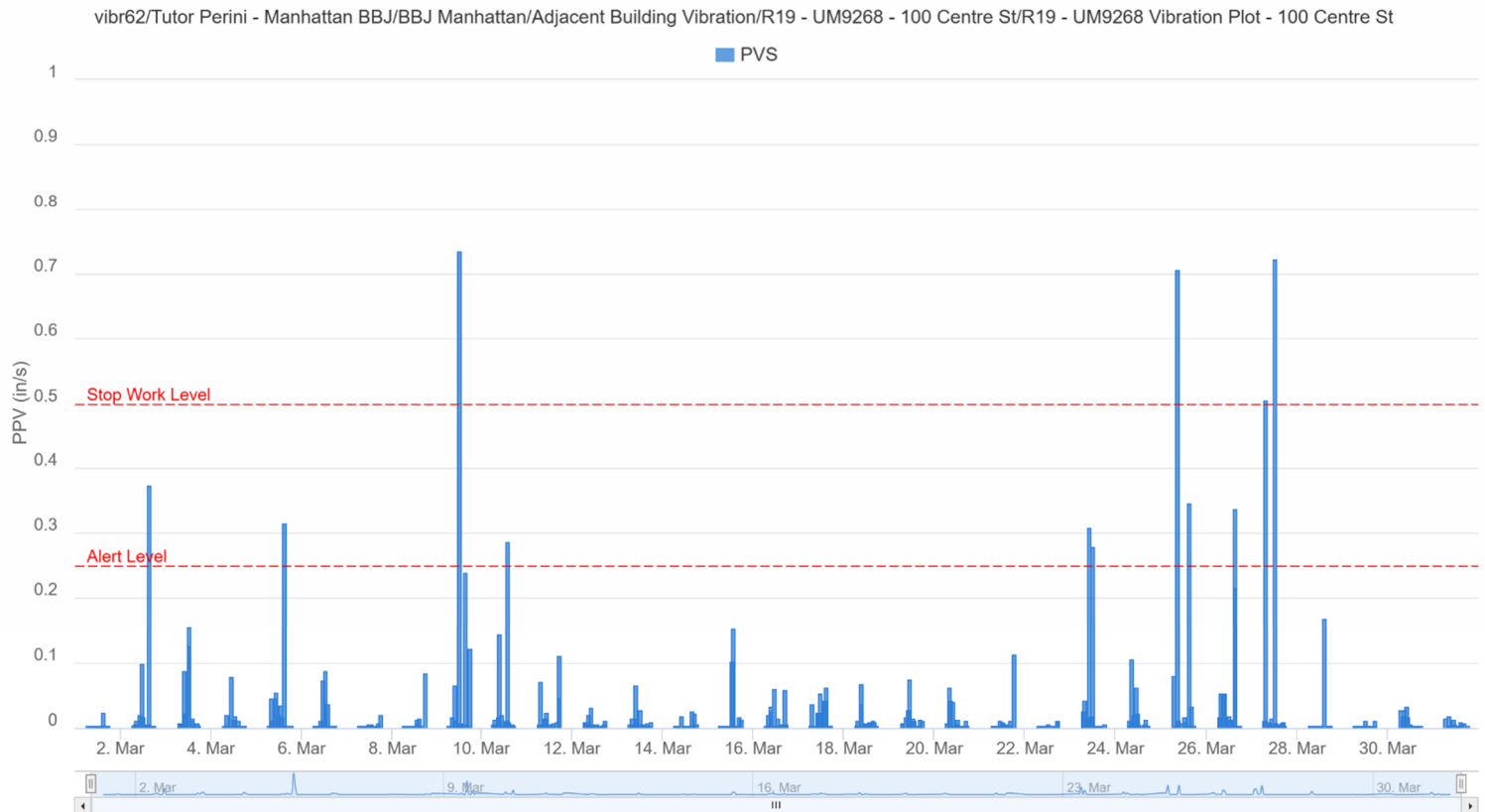
R17



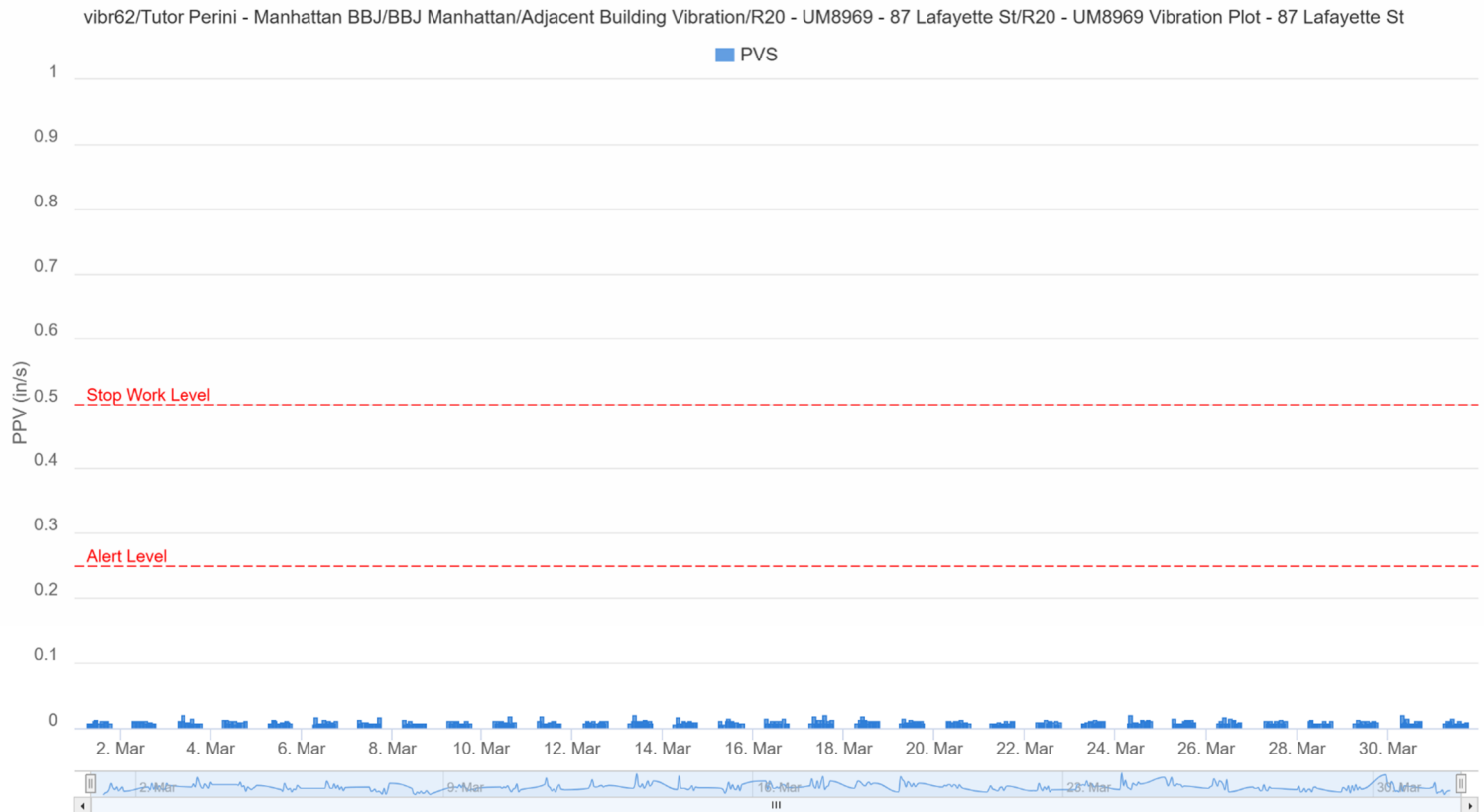
R18



R19



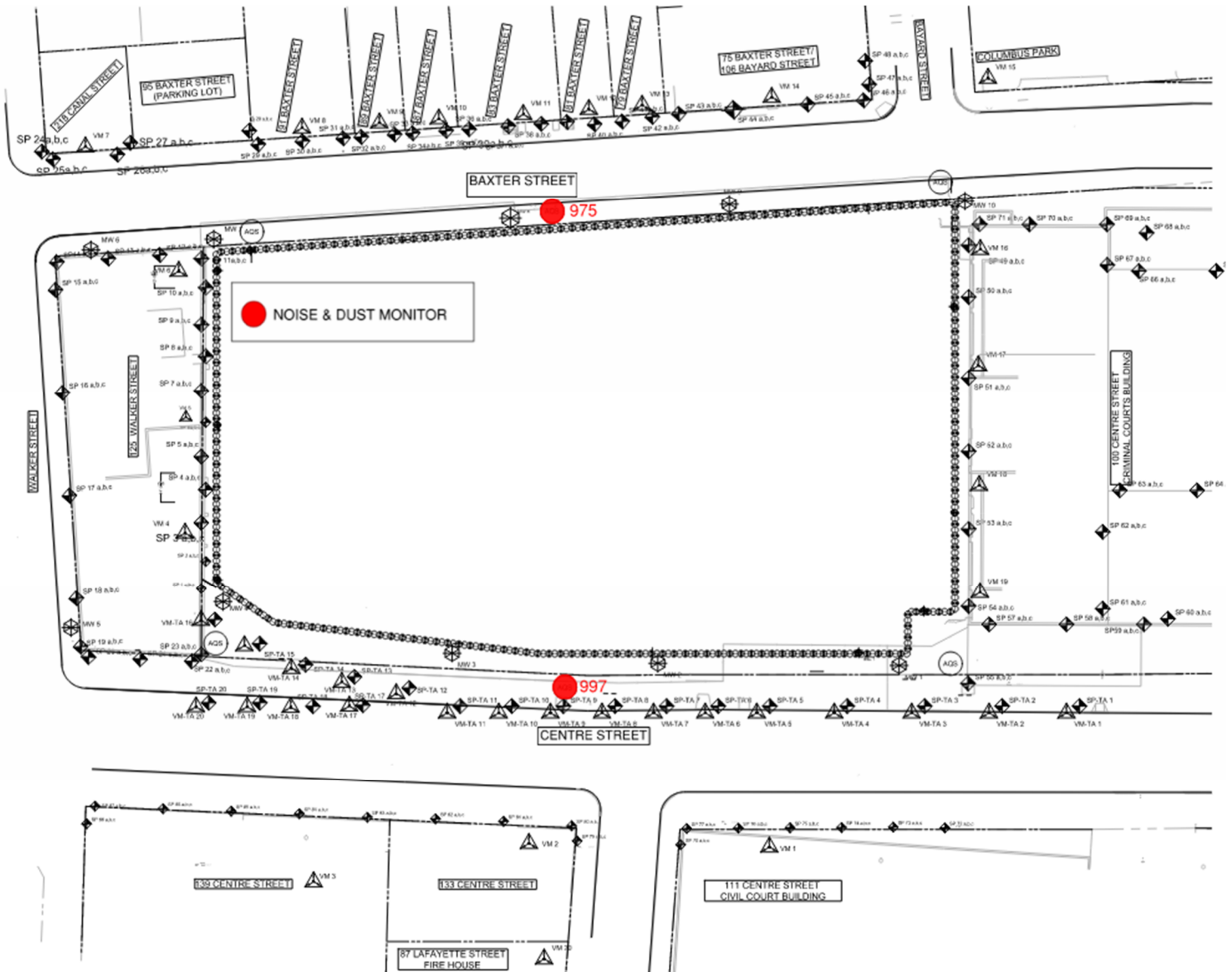
R20



Vibration Monitoring Baseline

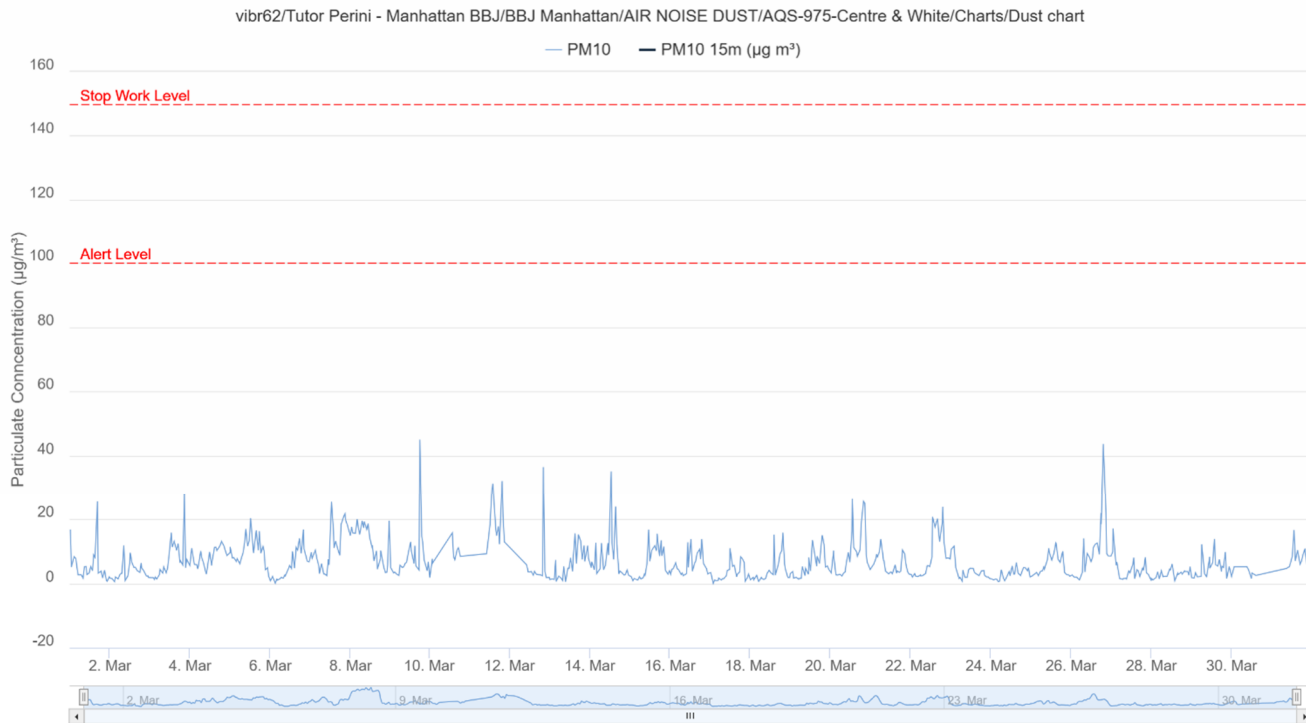


Dust Monitor Locations



Dust Monitor Plots

AQS 975 – Centre & White Street – Dust Chart



AQS 997 – Walker & Centre Street – Dust Chart

