

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
01		4/10/2026	Environmental Monitoring Report – February 2026		
02		5/07/2026	Environmental Monitoring Report – February 2026		
03		6/10/2026	Environmental Monitoring Report – February 2026		

NOISE, VIBRATION & DUST MONITORING REPORT Number 001

DDC. Project ID:	BBJ-MN-FAC		Period Start: 02/01/26 End: 02/28/26
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	25	5	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 – Feb 03 - DAY	97	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 – Feb 10 - DAY	98.6	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 – Feb 10 - DAY	104.6	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 – Feb 25 - 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 – Feb 25 - NIGHT	83.8	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 - Feb 27 - NIGHT	78	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 – Feb 26 - NIGHT	97.5	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.
997 – Feb 26 - DAY	101	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 – Feb 26 - DAY	87.3	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 – Feb 26 - DAY	87.9	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.

997 – Feb 26 - NIGHT	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.
997 – Feb 27 - NIGHT	92.5	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.
997 – Feb 27 - NIGHT	86	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 – Feb 27 - NIGHT	89.1	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.

Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:

During the month of February 2026, two (2) noise monitoring devices were in operation at the project site recording construction-related noise levels in units of (DBA). 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 were 12 exceedances in total for the listed days in the report and it is noted that the exceedances were primarily attributed to background urban noise sources, 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	28	2	

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
February 7 th , 2026 - 1:12pm R19 – 100 Centre St	0.658	N/A	No action required. Vibration caused by exercise equipment and free weights.
February 23 rd , 2026 - 1:12pm R19 – 100 Centre St	0.502	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 February 2026, twelve (12) vibration monitoring devices were in operation at the project site recording construction-related vibration levels in units of (in/sec).

From February 1 to February 28 the monitoring devices were active during all working hours, including weekends.

Vibration Monitor R16 showed no data between February 25–28 because 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.

Two stop work exceedances occurred in February. 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	28	0	Dust monitoring was performed during work hours.

Community Air Monitoring Excursions and Corrective ActionsAction Concentration = $100 \mu\text{g}/\text{m}^3$ 15 minute TWA above background concentrationStop 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 February 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 February 1 to February 28 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:

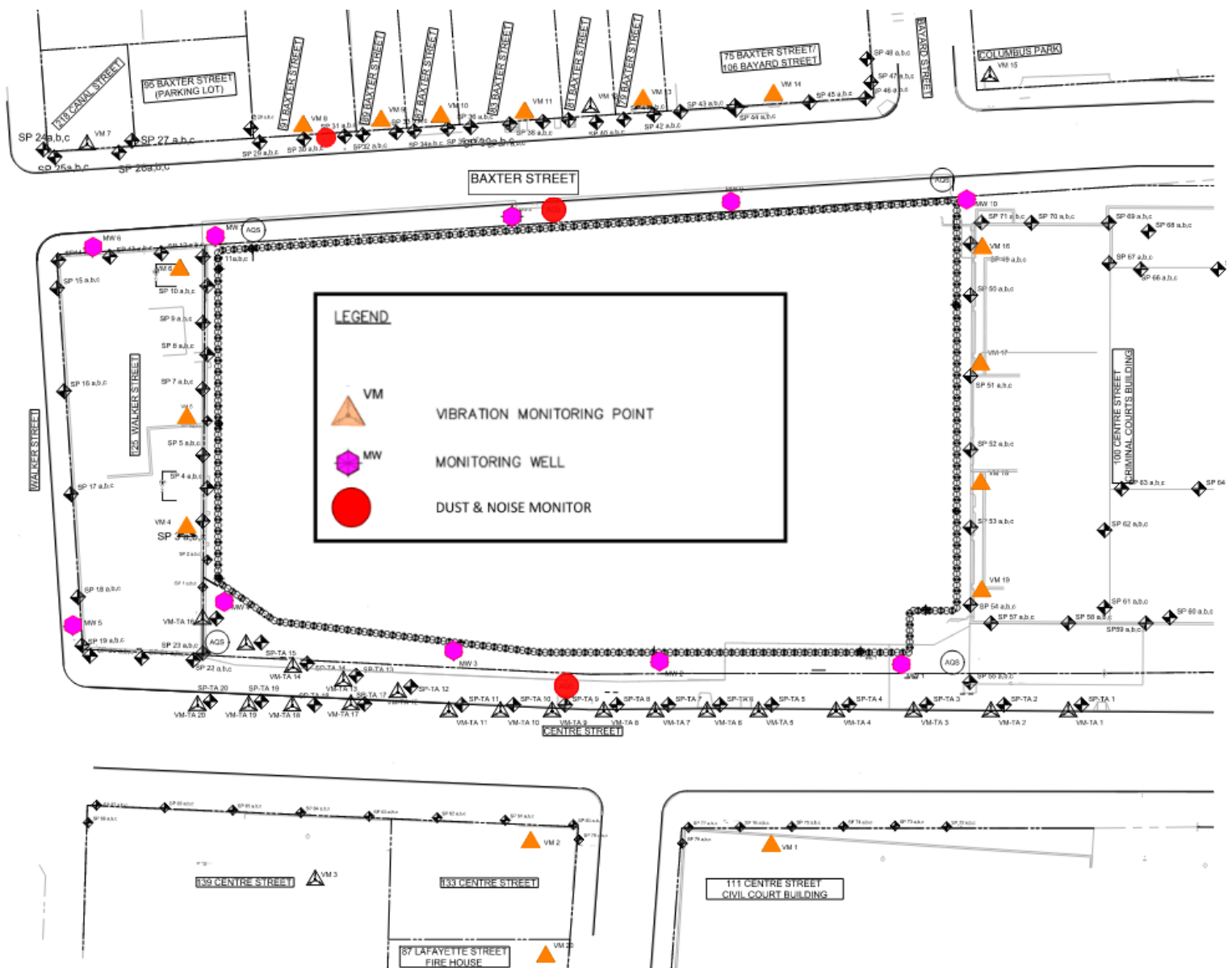
ATTACHMENTS:

1 – Map of monitoring station/locations

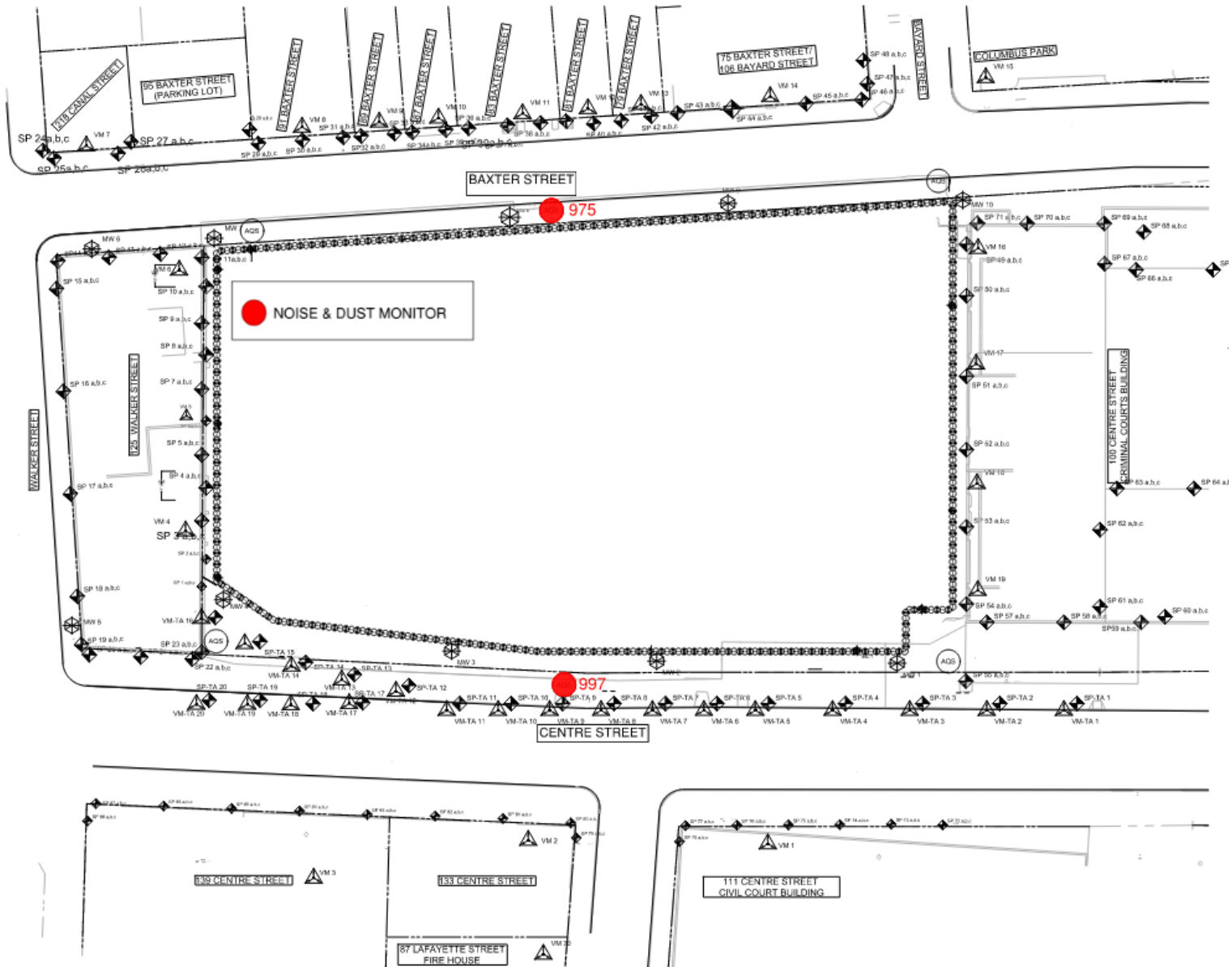
2 – Data Plots

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

3 – Baseline Reference



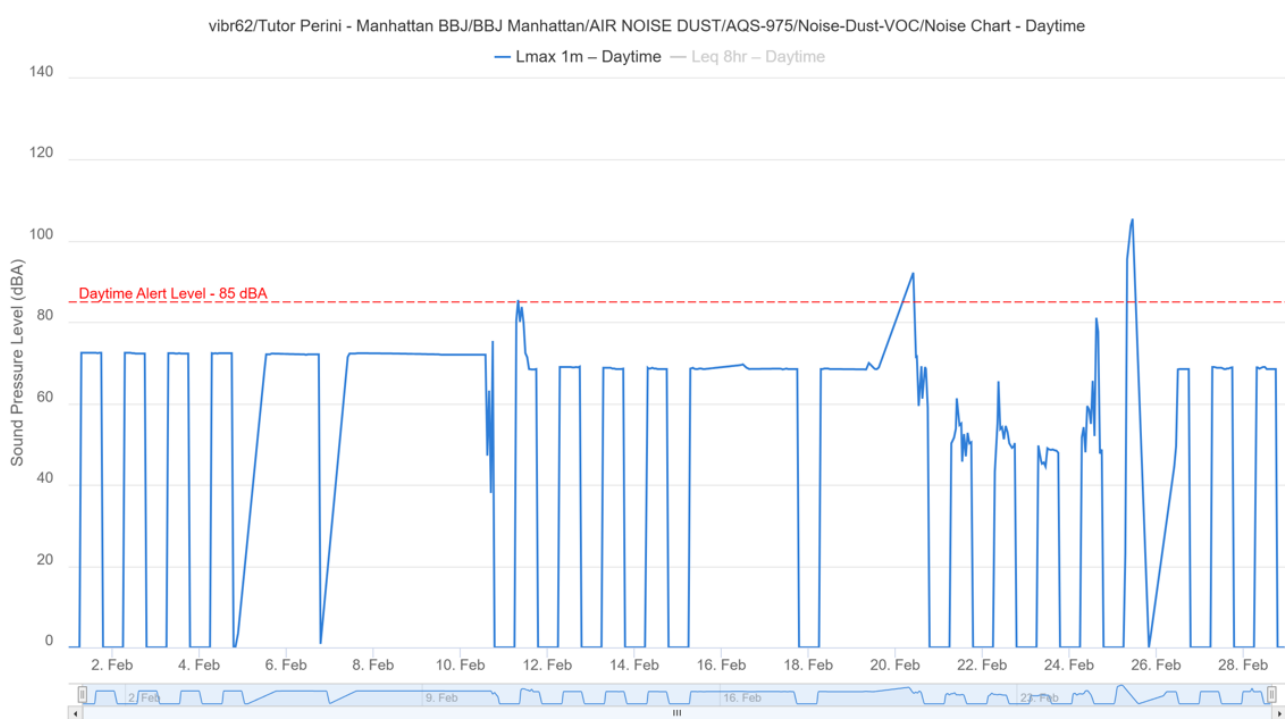
NOISE METER LOCATIONS



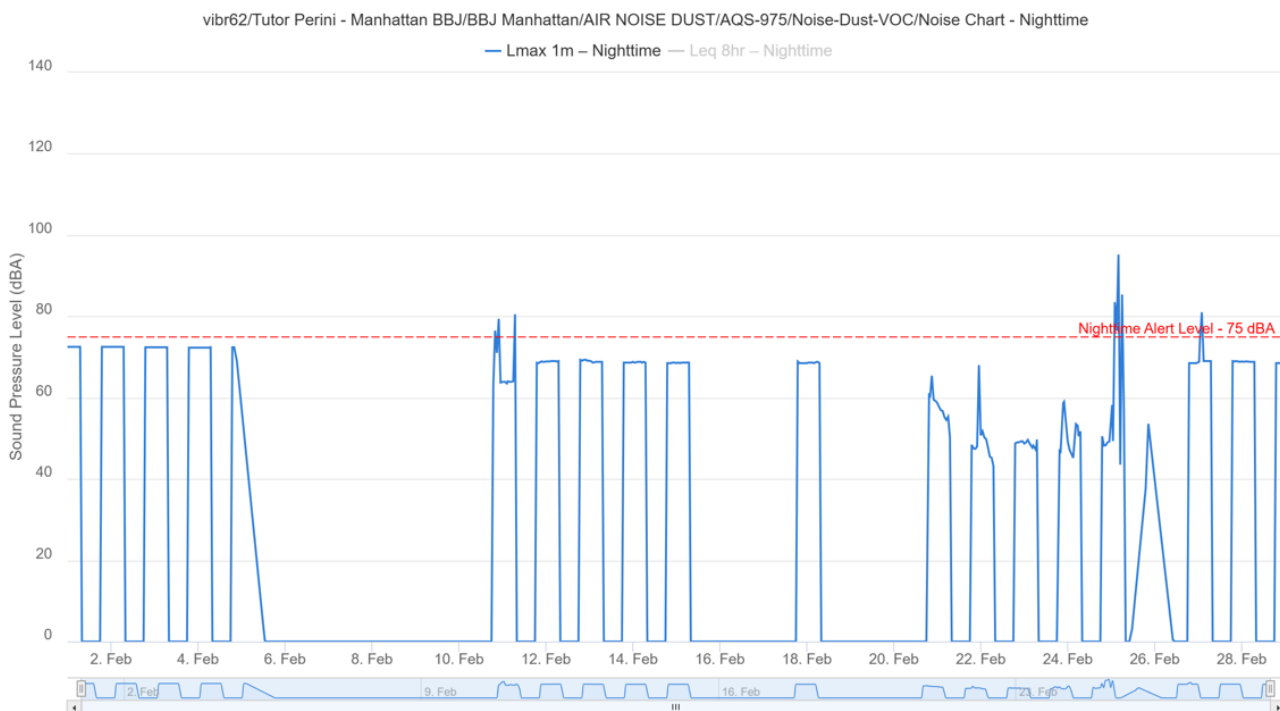
NOISE GRAPHS

Device #975 – Noise Monitoring Station

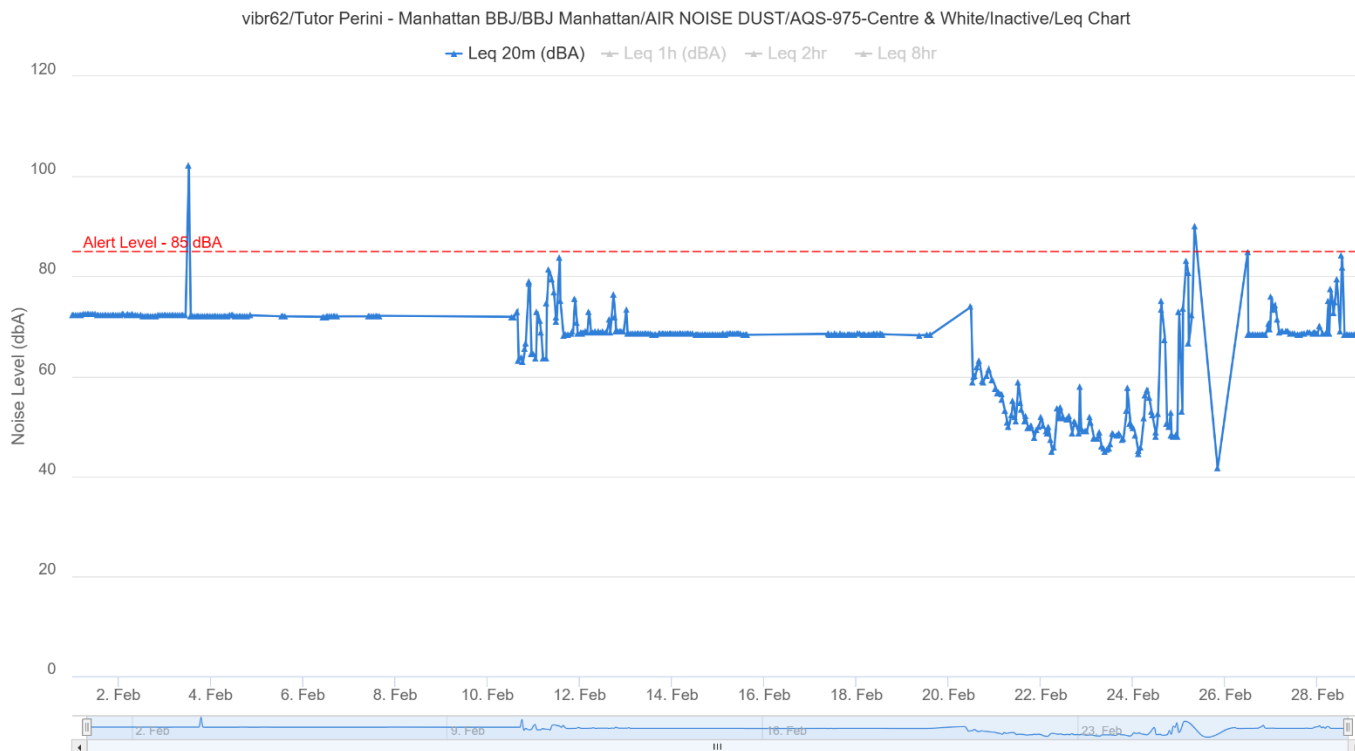
Noise Monitoring Station #975 Lmax – Daytime



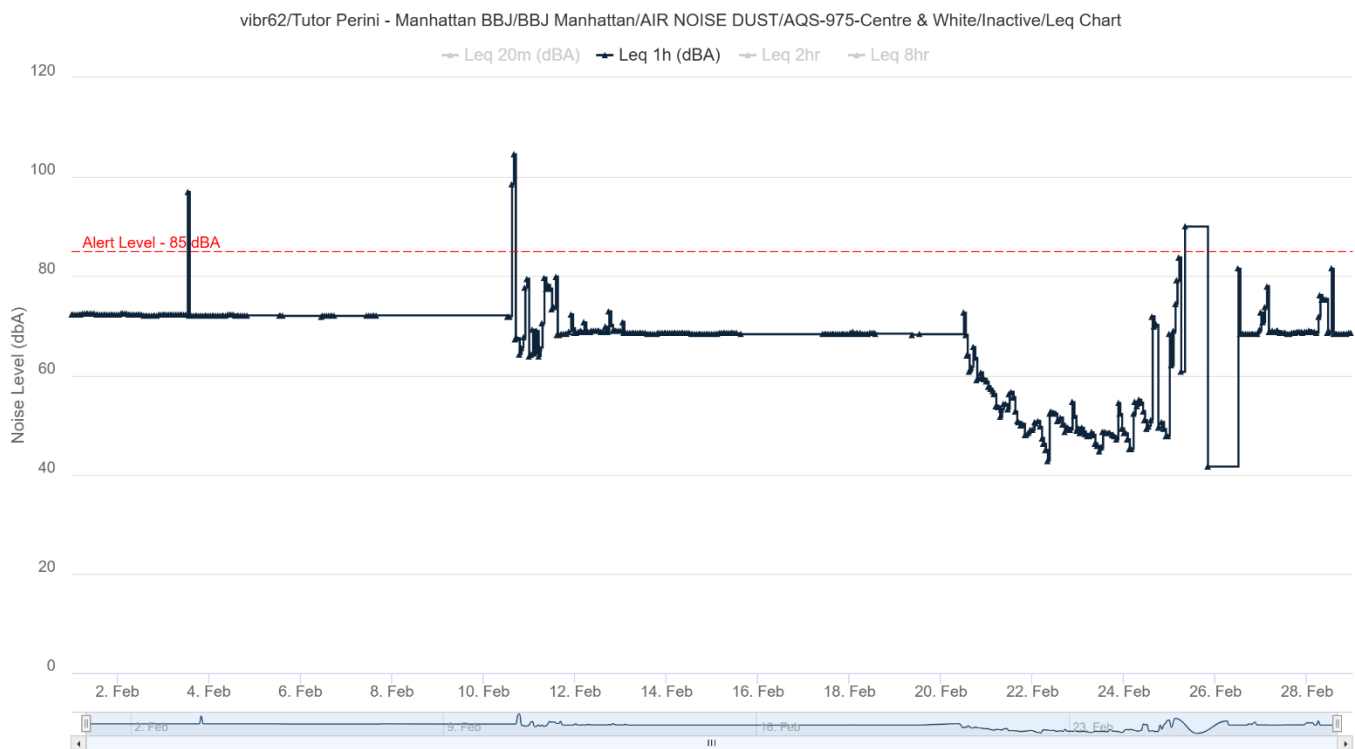
Noise Monitoring Station #975 Lmax – Nighttime



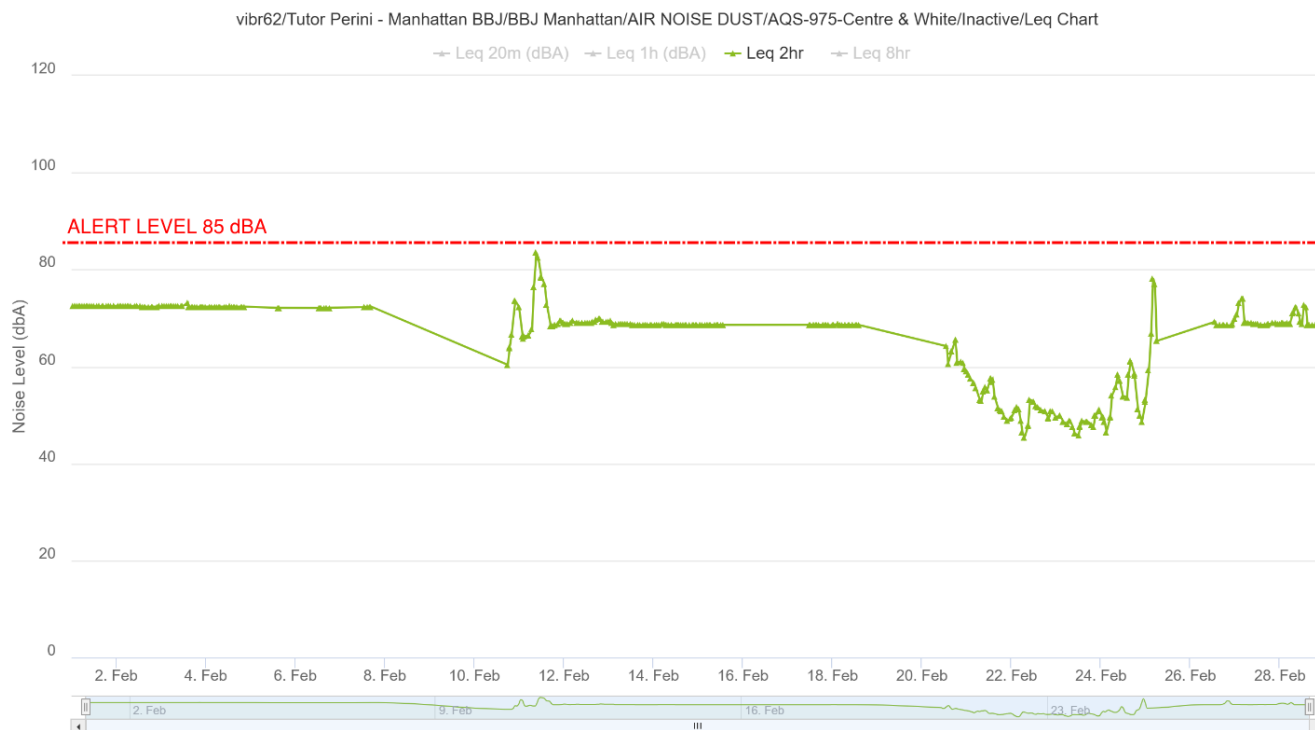
Noise Monitoring Station #975 Leq – 20 minute



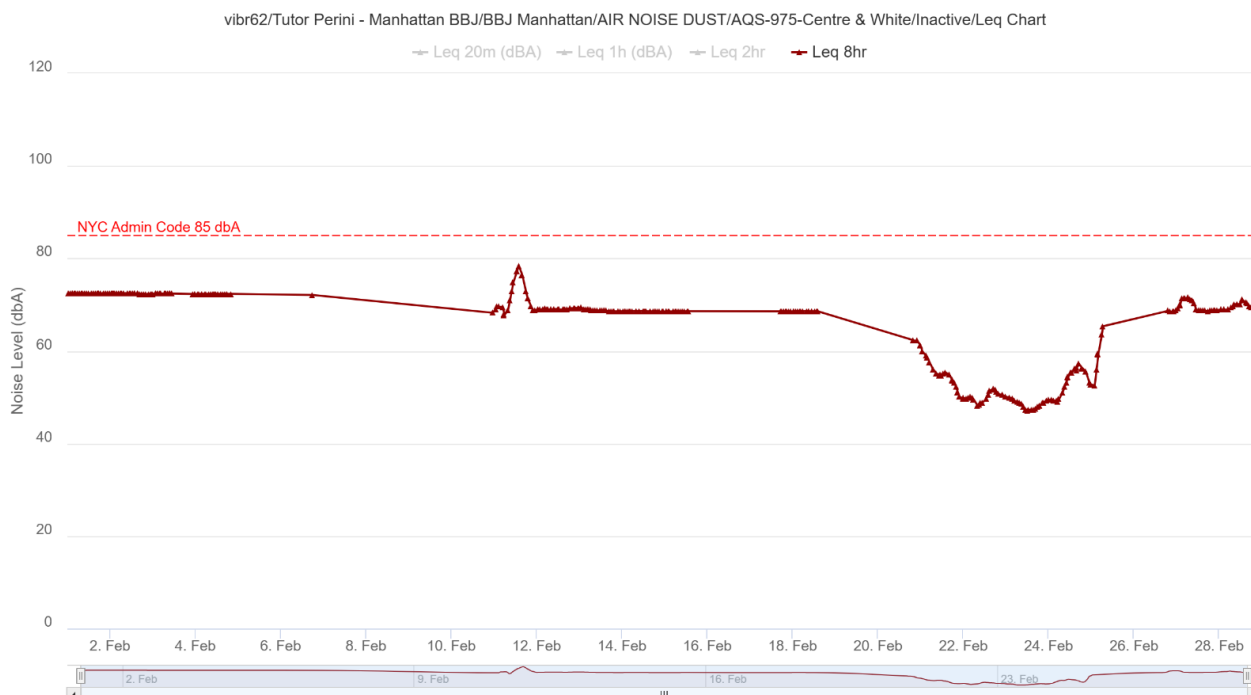
Noise Monitoring Station #975 Leq – 1 hour

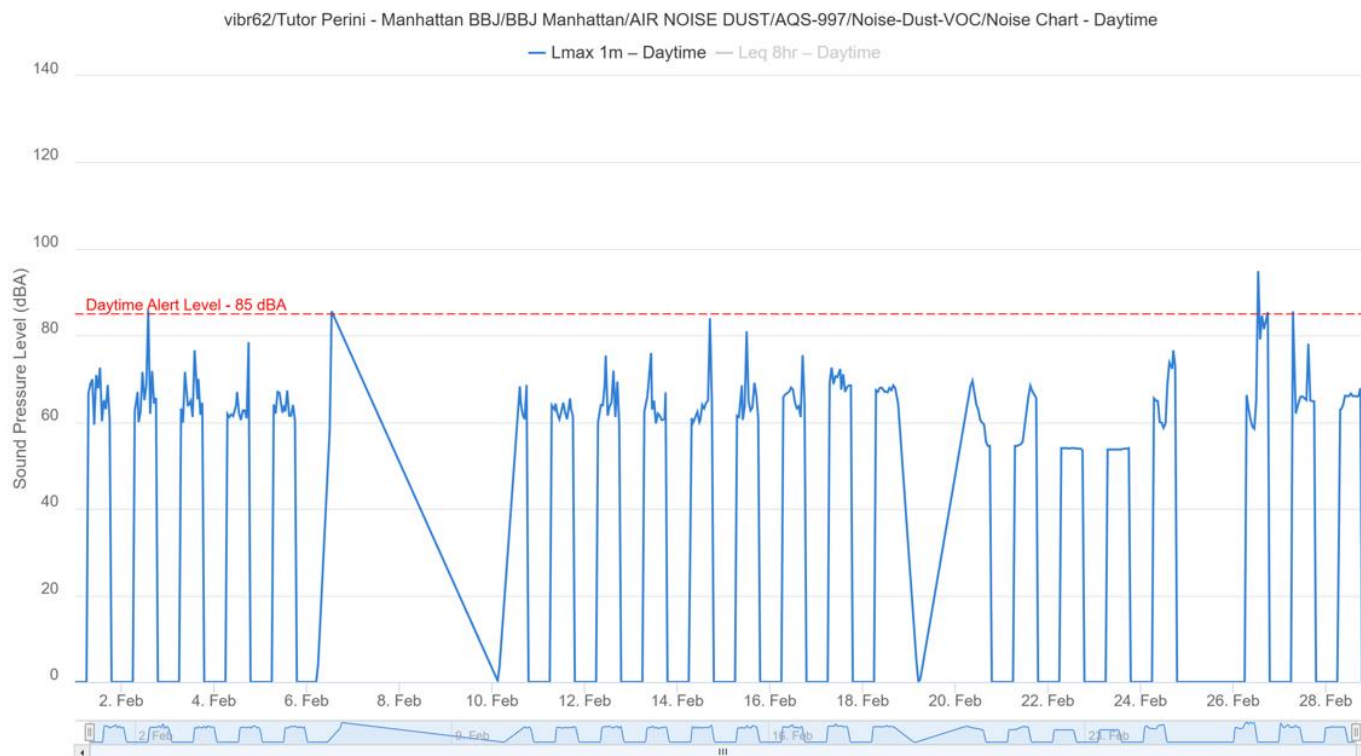
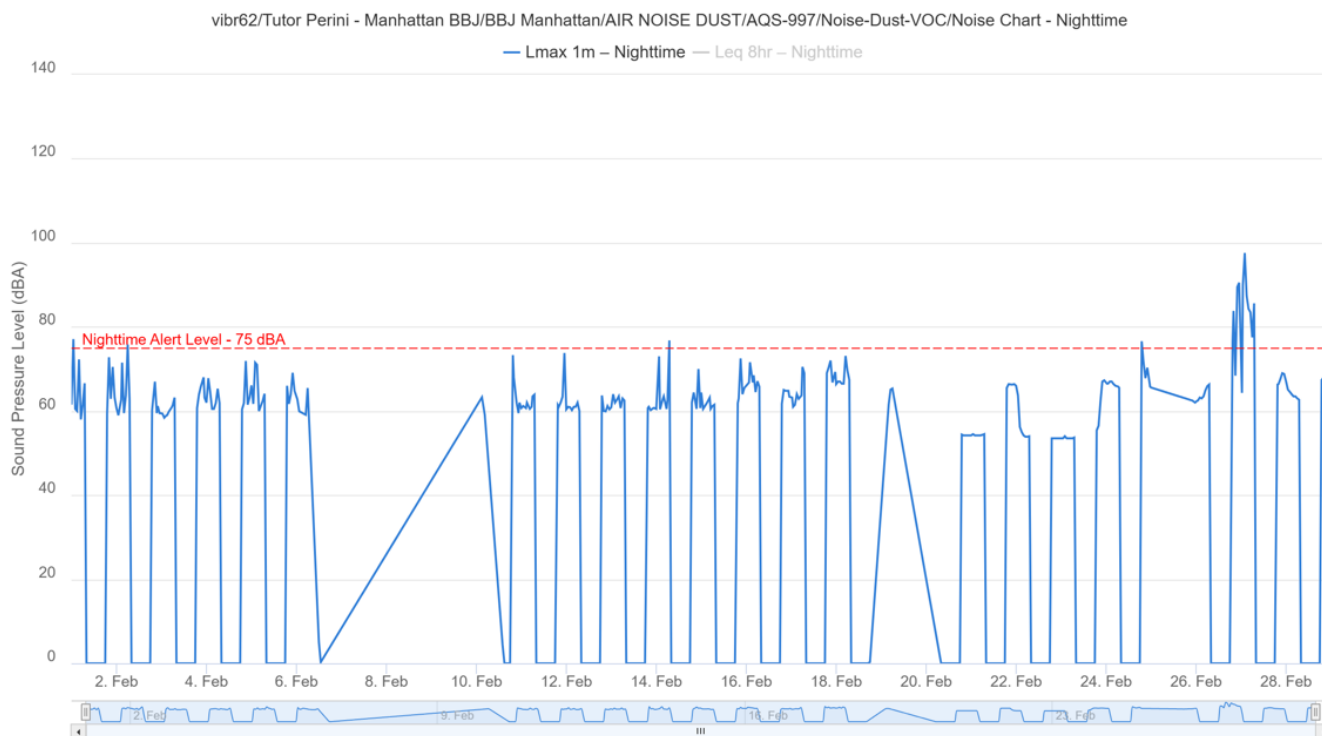


Noise Monitoring Station #975 Leq – 2 hour



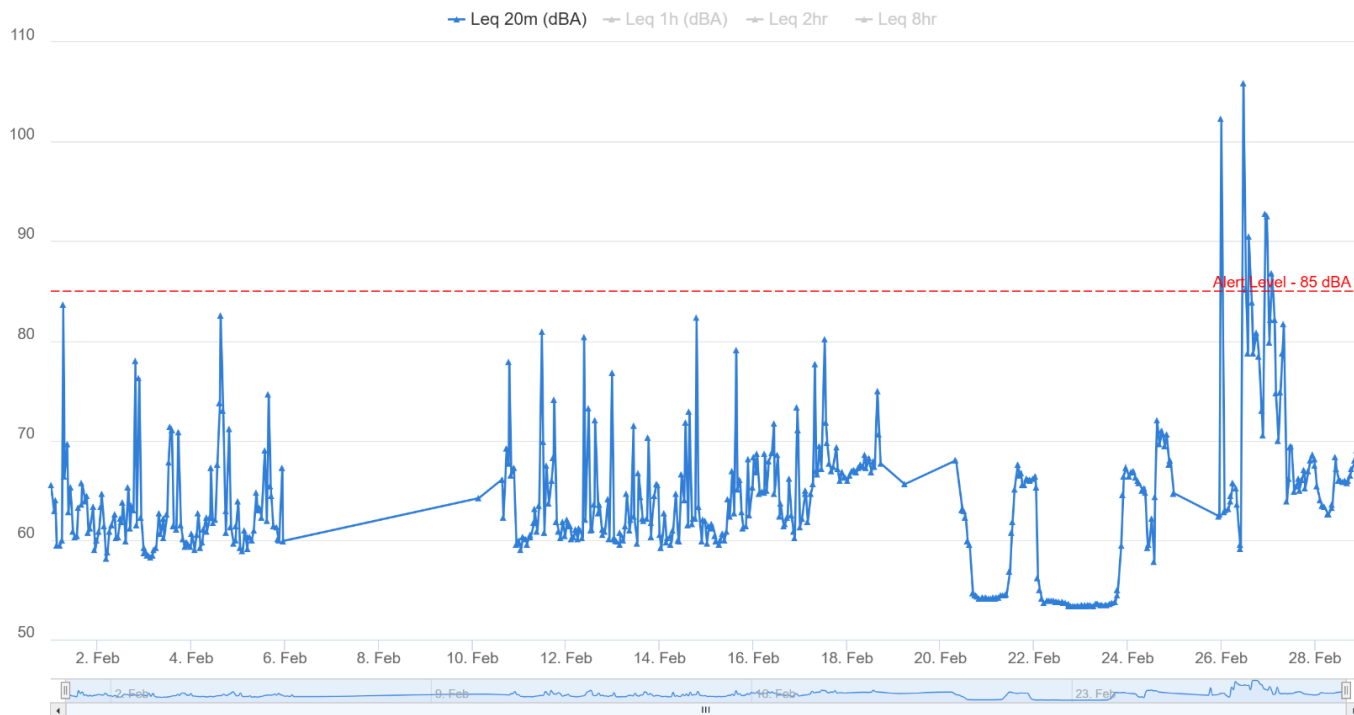
Noise Monitoring Station #975 Leq – 8 hour



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

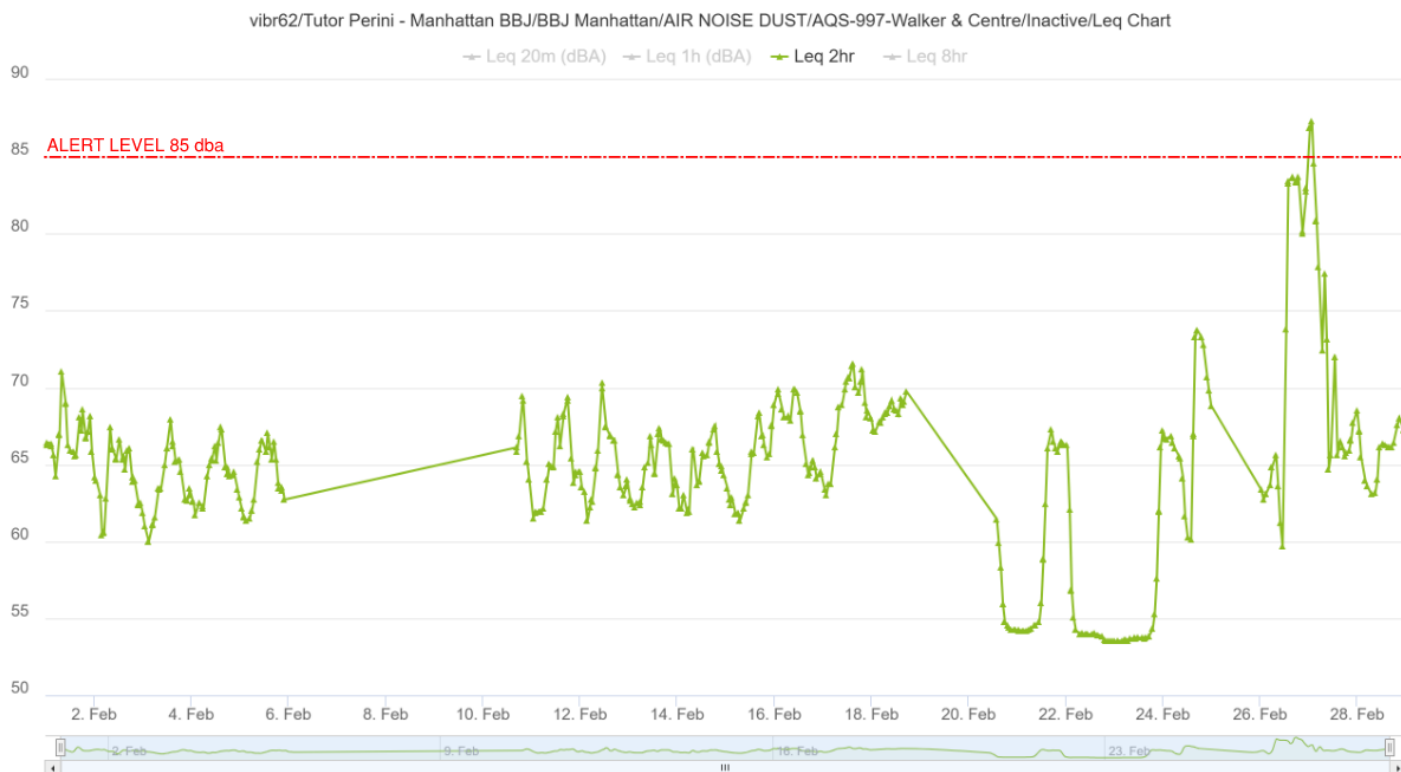


Noise Monitoring Station #997 Leq – 1 hour

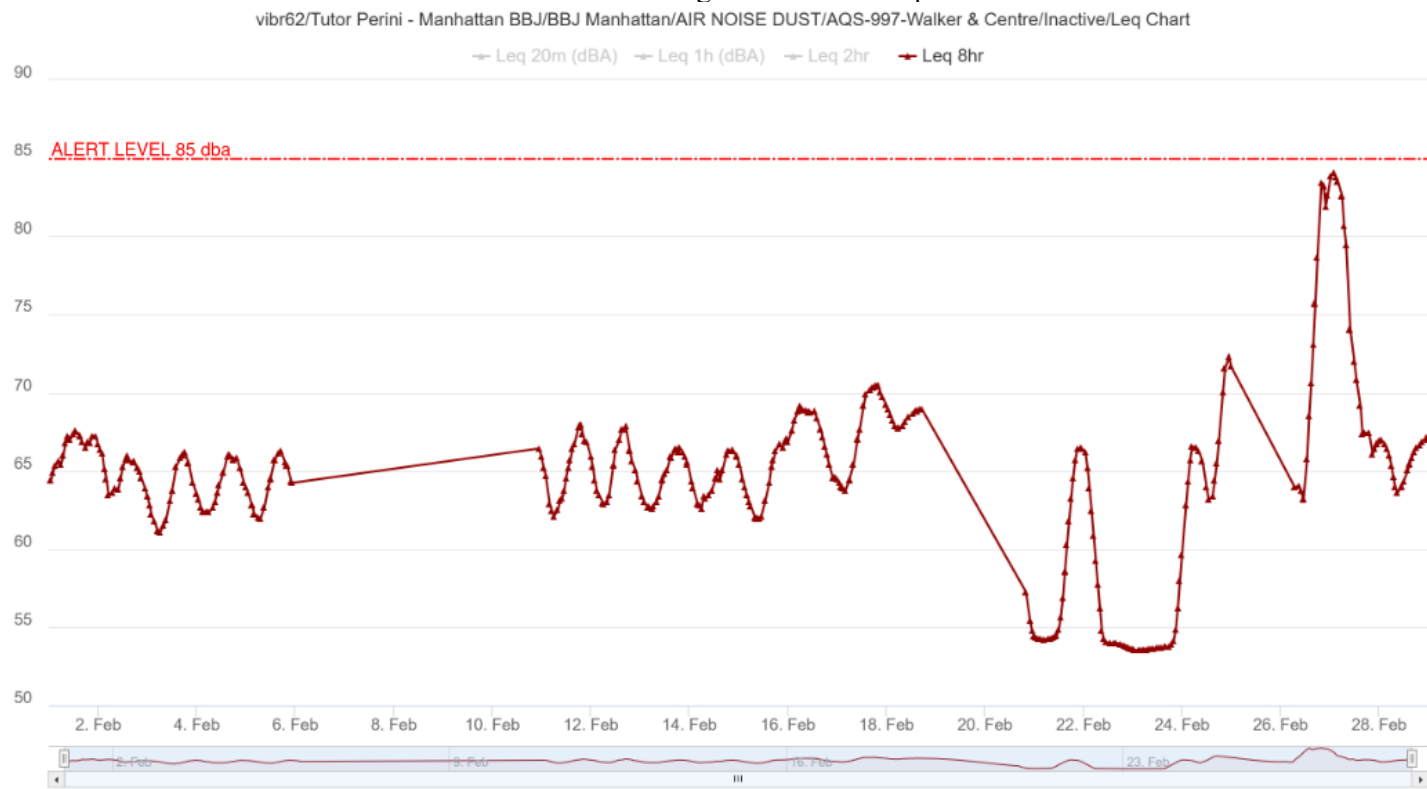
vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/AIR NOISE DUST/AQS-997-Walker & Centre/Inactive/Leq Chart



Noise Monitoring Station #997 Leq – 2 hour

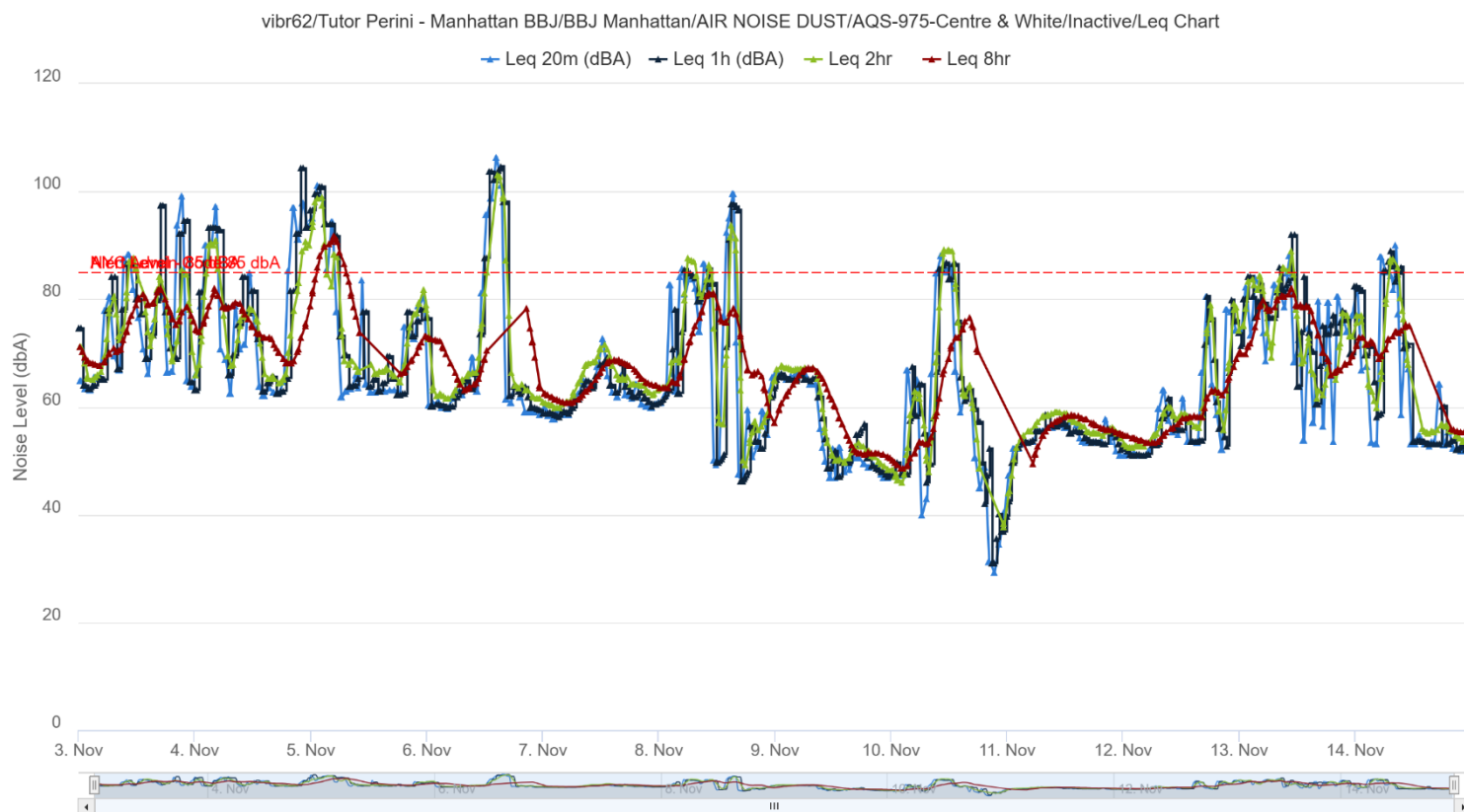


Noise Monitoring Station #997 Leq – 8 hour



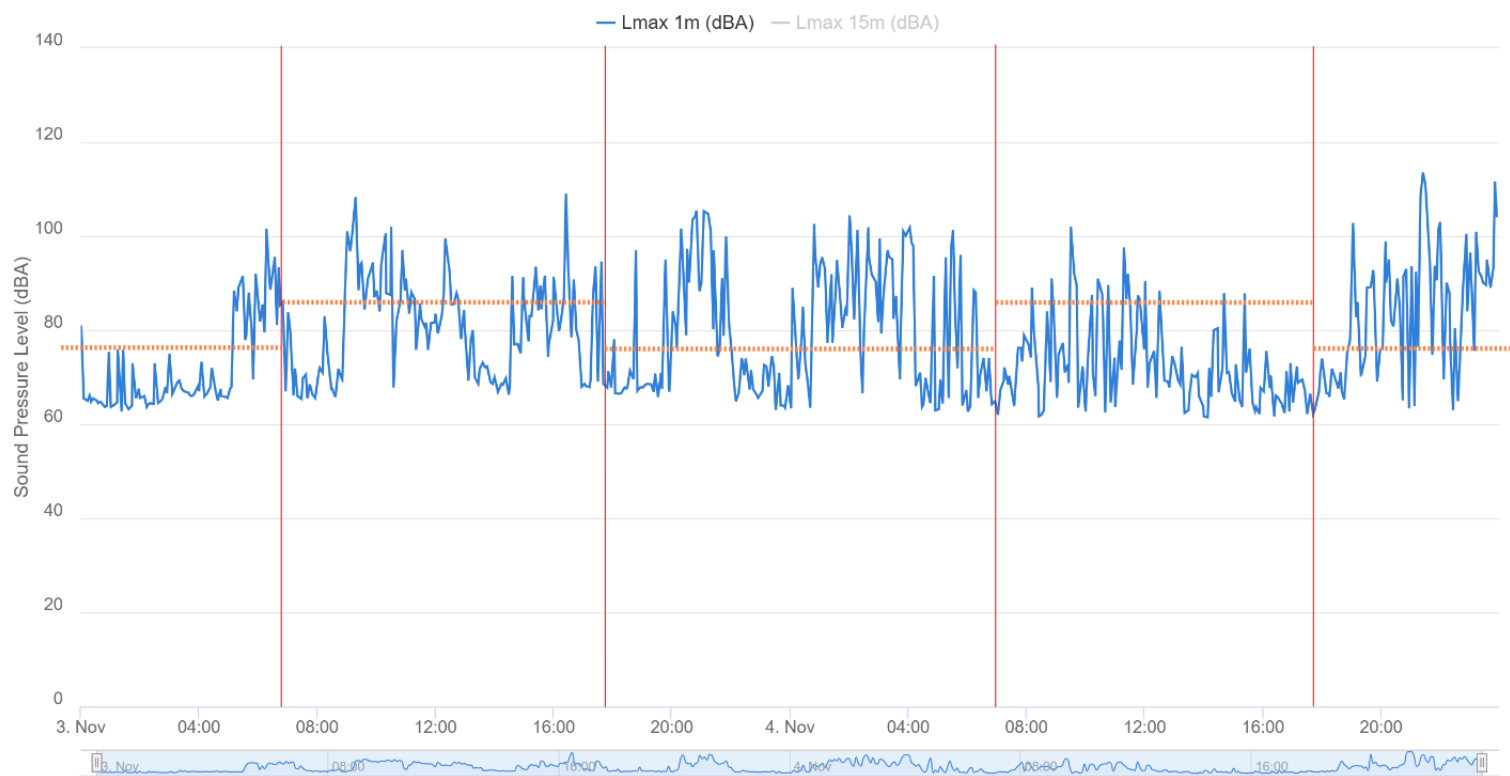
Noise Baseline**Leq Baseline**

Noise Monitoring Station #975 Leq - Baseline



Lmax Baseline

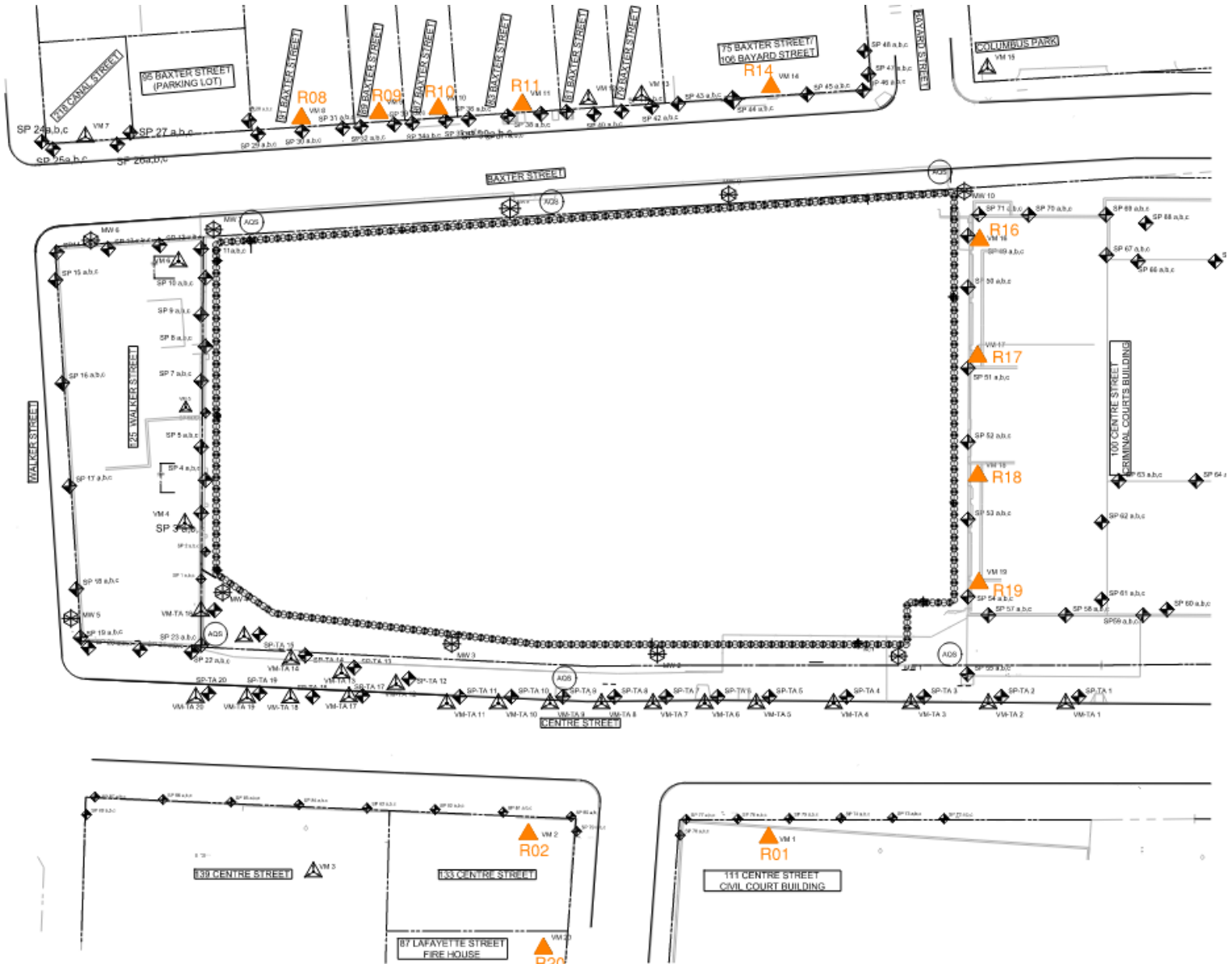
Noise Monitoring Station #997 Lmax - Baseline

**LEGEND:**

7:00 am – 6:00pm: 85 dBA Leq (Orange dashed line)
6:00 am – 7:00pm: 75 dBA Leq (Orange dashed line)

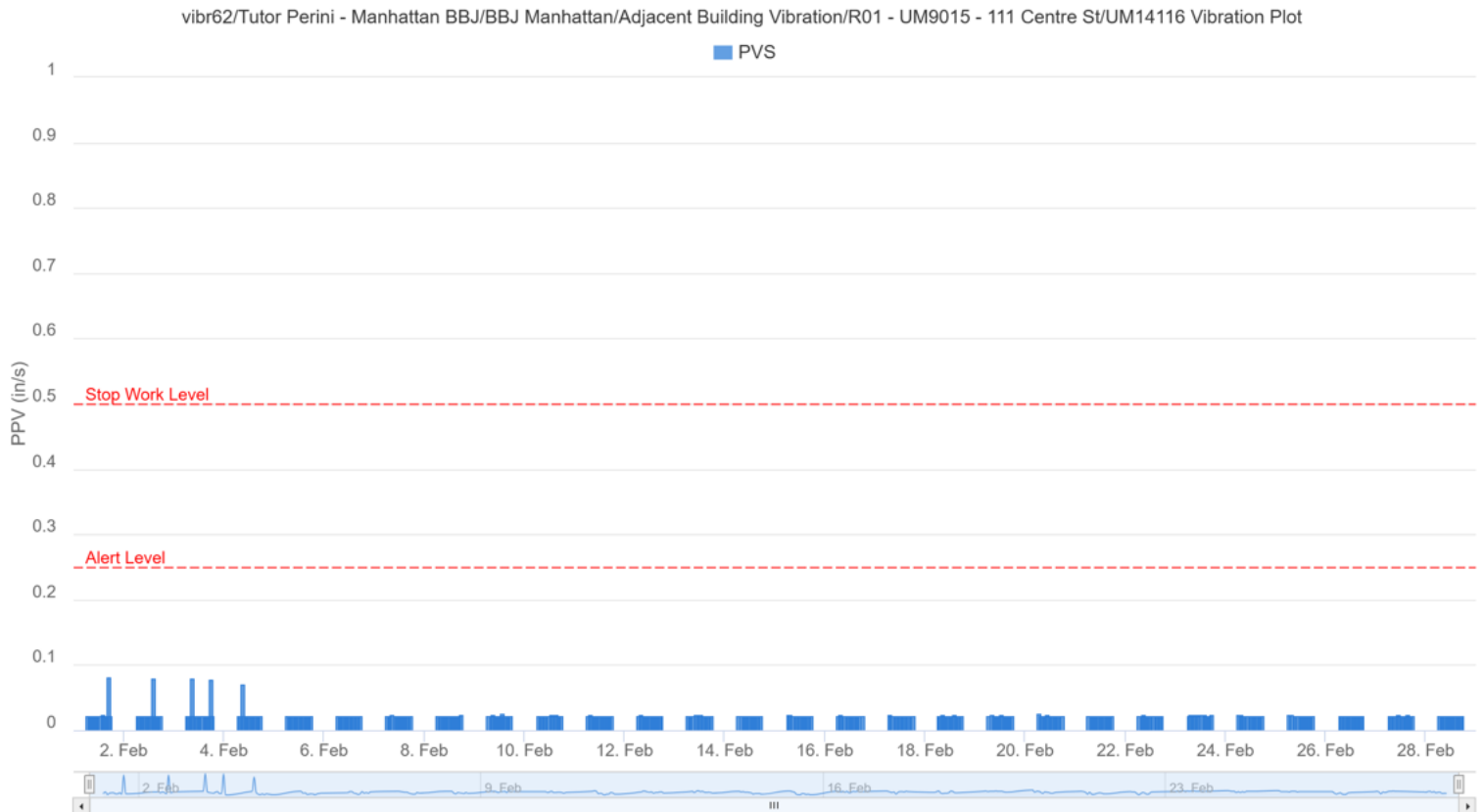
Vibration Monitor Location

Current Locations:

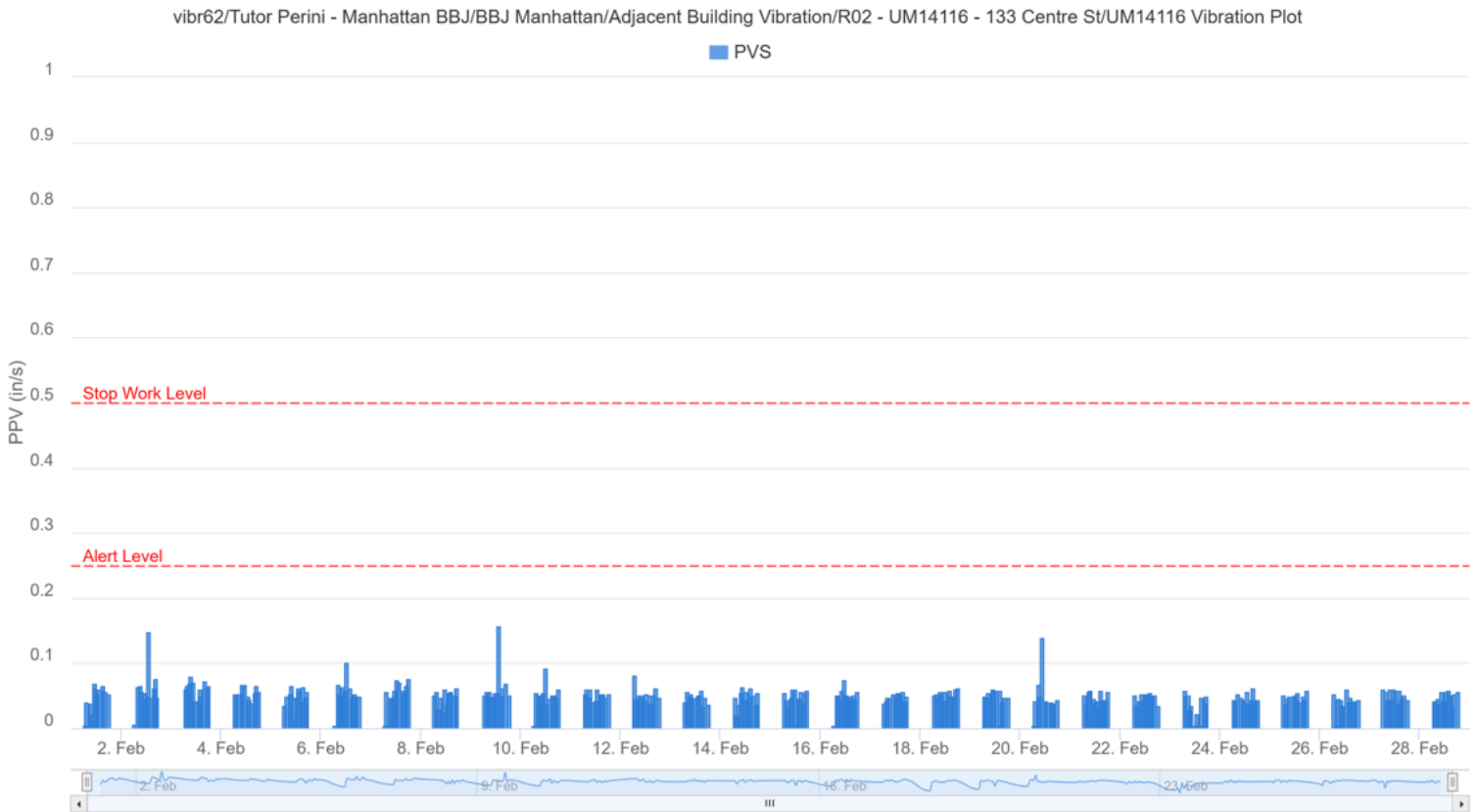


Vibration Monitor Plots

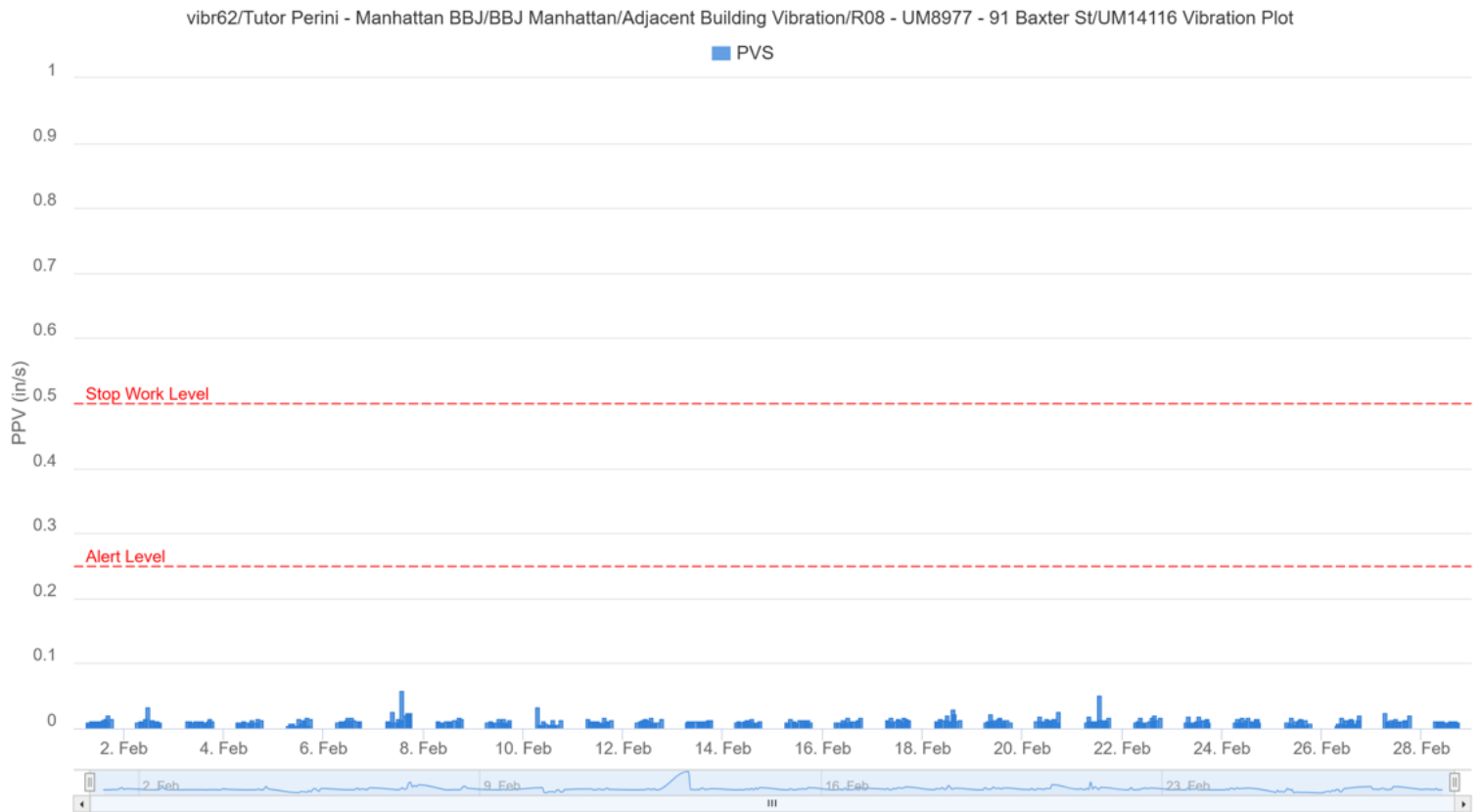
R01



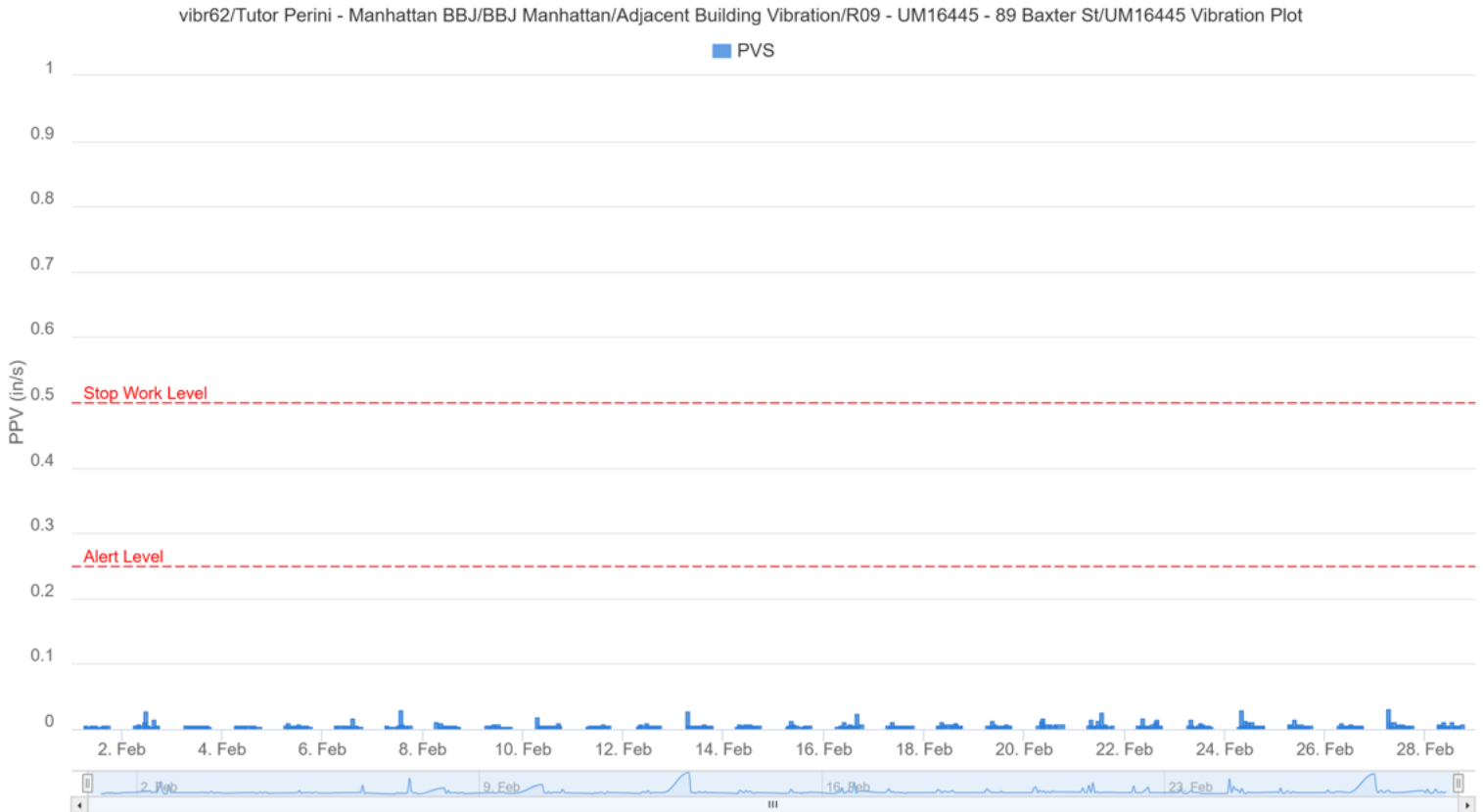
R02



R08



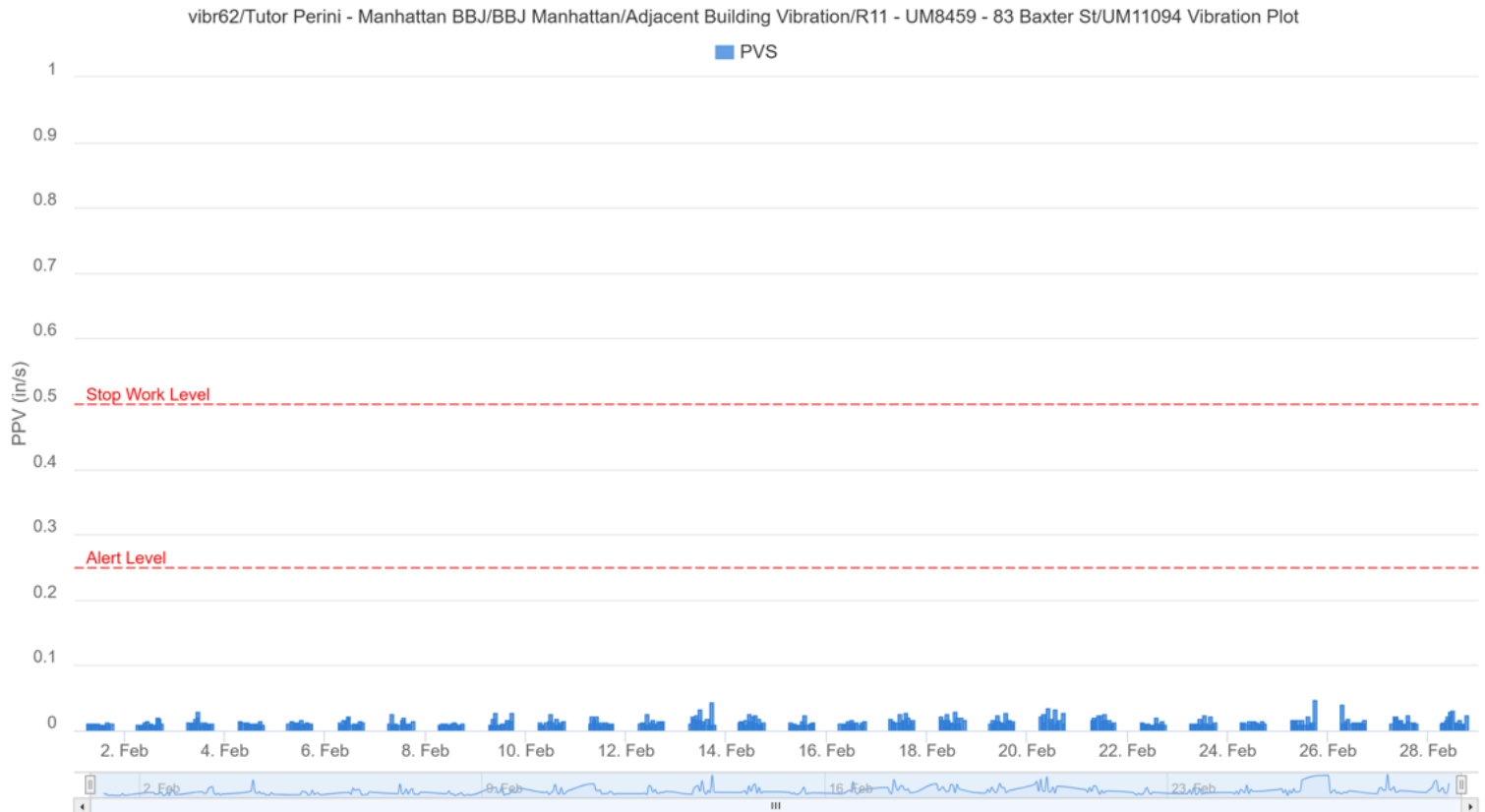
R09



R10



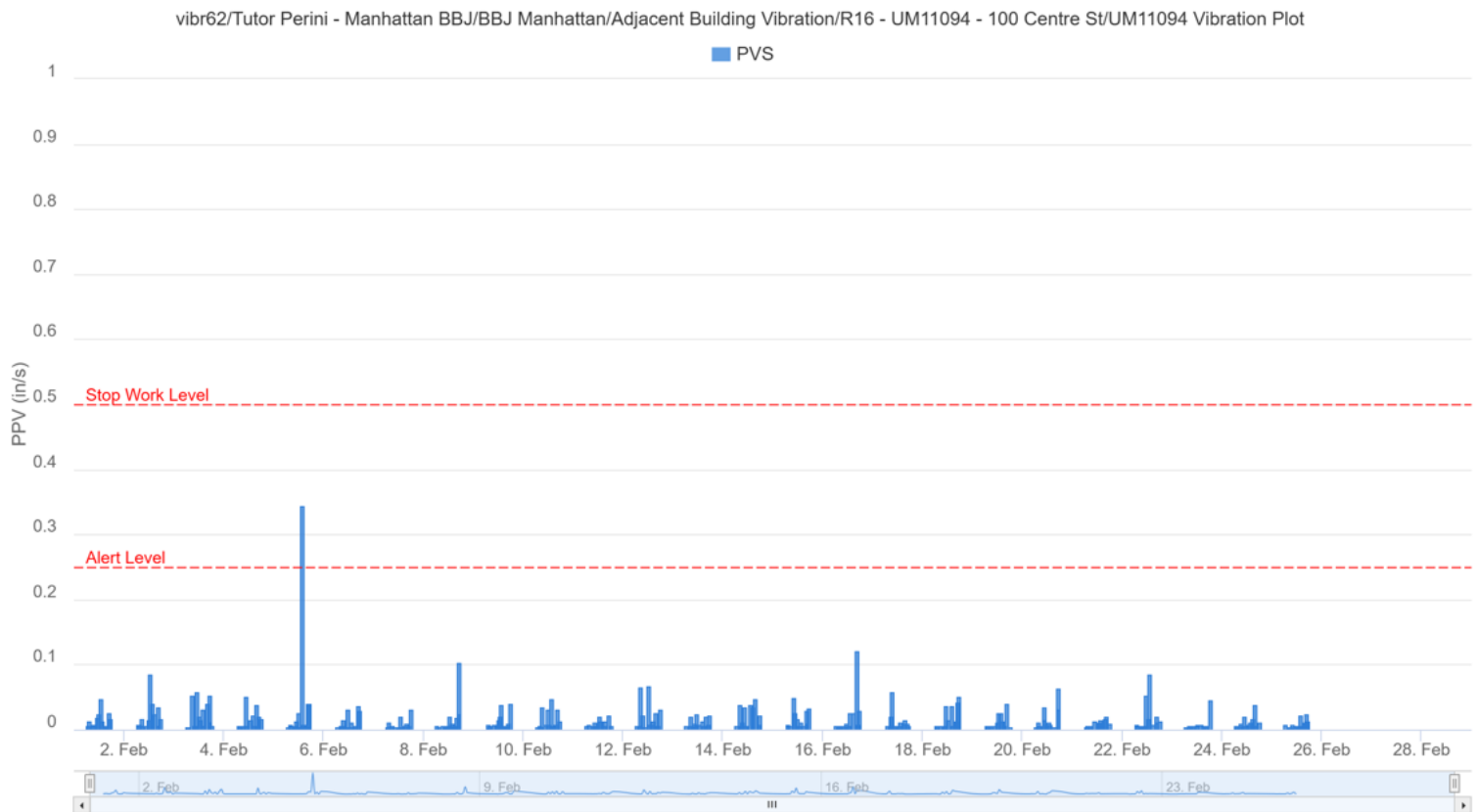
R11



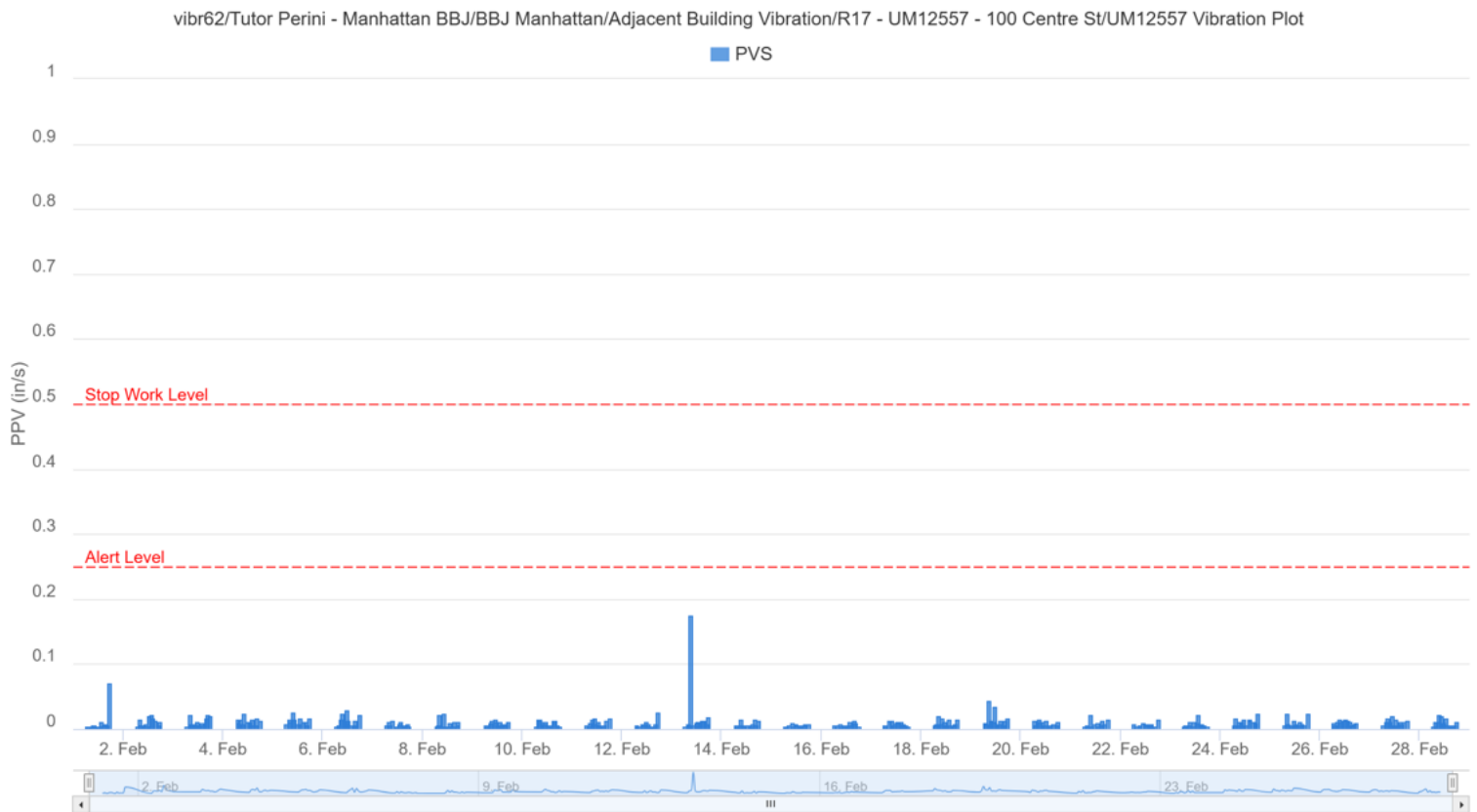
R14



R16



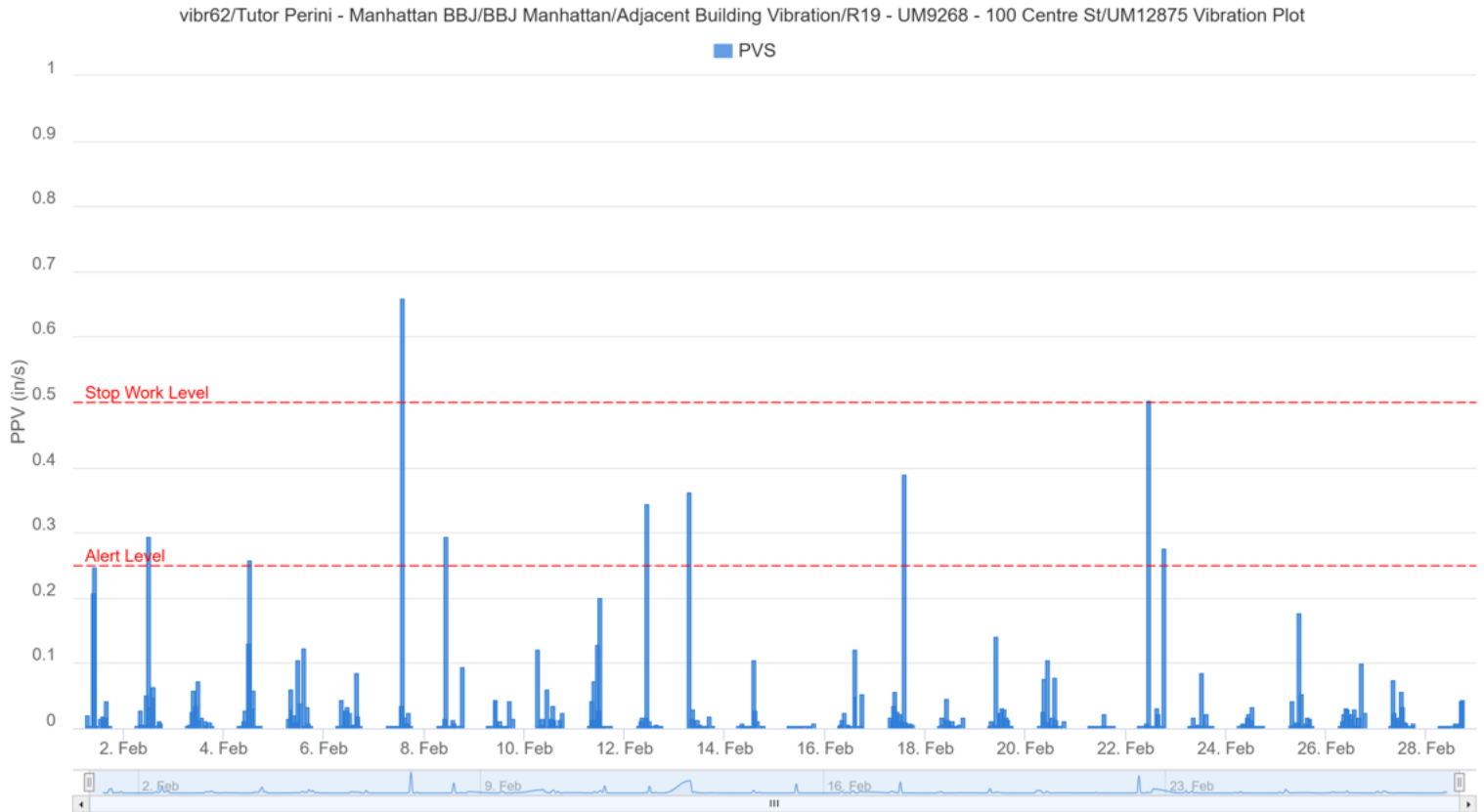
R17



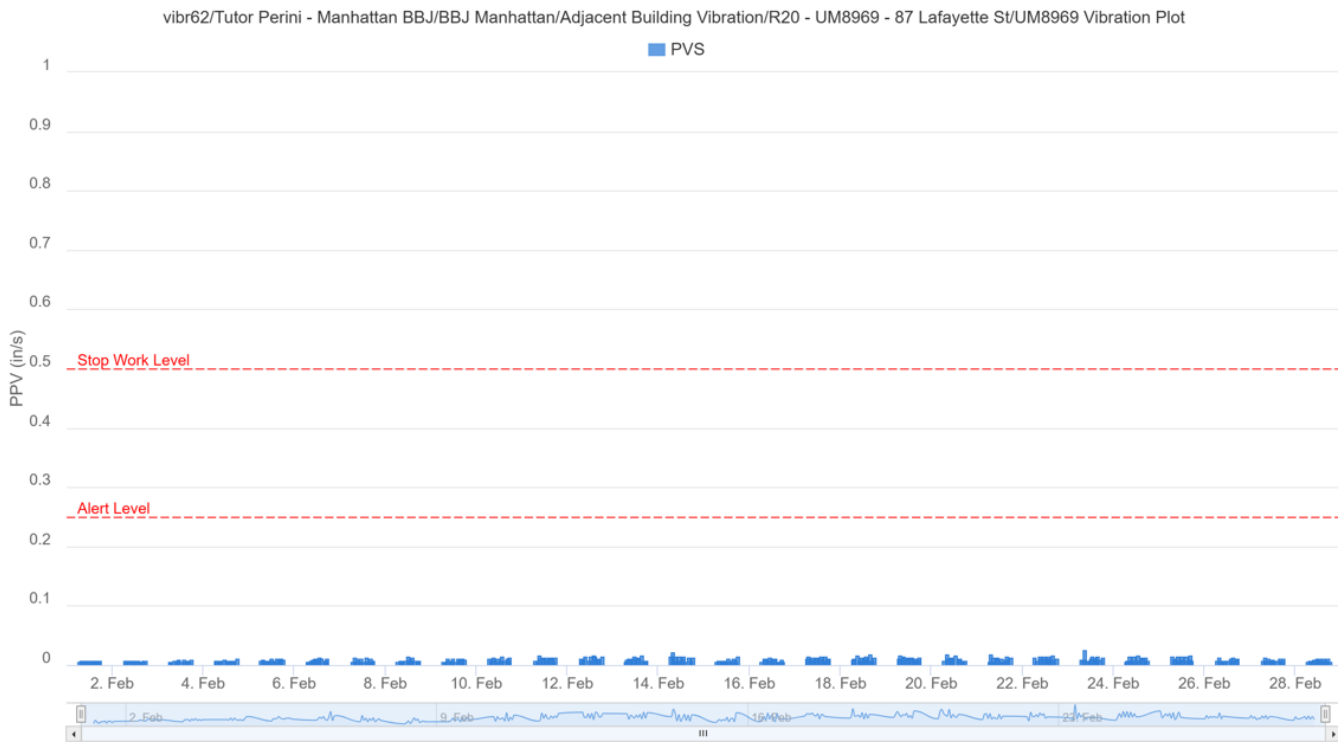
R18



R19



R20

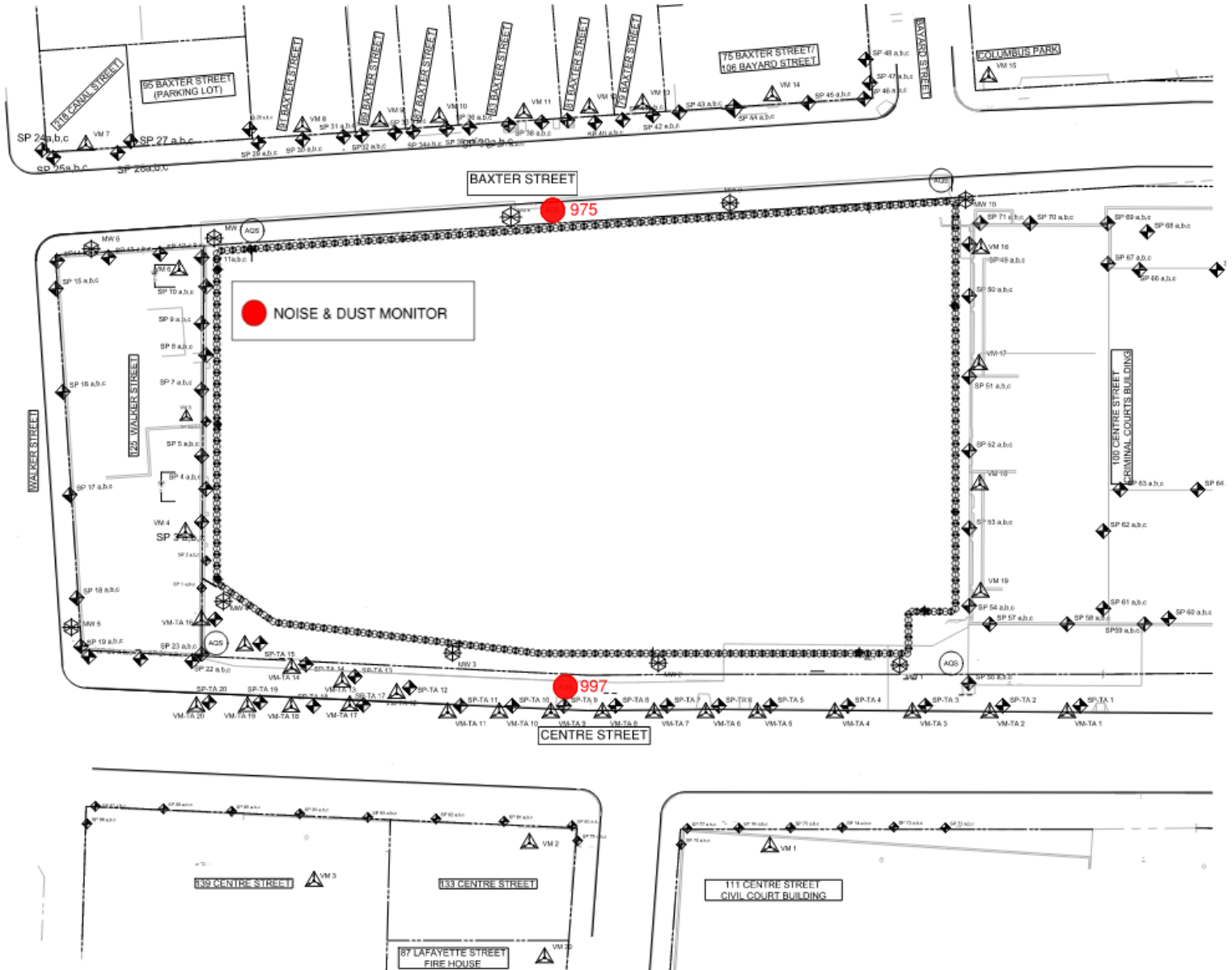


Vibration Monitoring Baseline

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R14 - UM14673 - 75 Baxter 106 Bayard/UM11094 Vibration Plot



Dust Monitor Location



Dust Monitor Plots

AQS 975 – Centre & White Street – Dust Chart



AQS 997 – Walker & Centre Street – Dust Chart

