

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **06/27/2025**

Site Conditions: **Low 70s – Cloudy and Cool**

Onsite Personnel	
Honeywell	Mark Rahall - PM Marcia Turner - HSE Leader Alix Orton – Program Manager John Connolly – Program Lead
Geosource	Nigel Blakey – Foreman Jarren Ball - Site Supervisor Darren Zimmerman – Drilling Technician
Salas O’Brien	Aaron Walker – Audio Technician
Behrens and Associates - Environmental Noise Control (BAENC)	Mike Fedorka – Foreman Mike Stapleton – Site Supervisor David Sands – Laborer Cory Kesler – Laborer James Estepp – Laborer Domenic Damien - Laborer
Others	Ryan Buckley – City Clerk Adam Mullen – RBT PM

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
80	57	0

Lmax-slow: Maximum sound level measured using the slow time averaging window. Window is one second and is responsive to intermittent or impulsive events while still acknowledging the full ambient noise picture.

Leq: Average sound pressure level over the time window. It represents the same total sound energy as the fluctuating level that was measured.

Events: Count of how many seconds had an average sound level that exceeded 86 dBA* over the measured time window.

Air Quality Measurements

	Min	Max	Avg
PM10 (15 min) µg/m3	0.4971	1.3261	0.7967
VOC (15 min) ppm	0.0016	0.0374	0.0095

PM10: 10-micron diameter particle, measured in µg/m3.

PM10 Action Level = 150 µg/m3.

VOC: Volatile Organic Compound, measured in parts per million (ppm).

VOC Action Level = 5 ppm

Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0019	0.1747	0.0153
Transverse in/sec	0.0022	0.1275	0.0143
Vertical in/sec	0.0019	0.1272	0.0151

Threshold Level = 0.50 inches per second

Limit Level = 1.00 inches per second

Time Weighted Average (TWA) = Average vibration over a 15-minute interval.

PPV = Peak Particle Velocity

DELIVERY – Borehole Completion Status

Installation Notes: Behrens and Associates, specializing in Environmental Noise Control, have successfully completed the drilling and installation of all remaining steel I-beams required to finish constructing the wall. They are scheduled to return on Monday to finalize the last section of the 24-foot wall and to complete the final section of the 12-foot wall.

Drilling Progress (Green = Complete, Yellow = Drilling, Grouting = Orange)

Bore Number																															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
[Green]						NOT STARTED																									
Productivity:		15,300					Total feet remaining					XX					Average feet per day					XX					Estimated days to completion.				

UPCOMING EVENTS FOR THE WEEK

- 06/30/2025 Install remainder of sound wall and BAENC to de-mobilize/Tentative Drilling Start Date
- 07/01/2025 Drilling/Looping/Grout Installation
- 07/02/2025 Drilling/Looping/Grout Installation
- 07/03/2025 Drilling/Looping/Grout Installation
- 07/07/2025 Drilling/Looping/Grout Installation