

## Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 08/11/2025

Site Conditions: Mid 80s – Clear

| Onsite Personnel |                                                                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Honeywell        | Mark Rahall - PM<br>Marcia Turner – HSE                                                                                               |
| Geosource        | Nigel Blakey – Site Supervisor<br>Jarren Ball – Drilling Technician<br>Darren Zimmerman – Site Hand<br>Shannan Wheatcroft – Site Hand |
| Salas O'Brien    |                                                                                                                                       |
| Others           | PJ Lynch – City Clerk                                                                                                                 |

### SAFETY – MONITORING DATA

#### Sound Measurements

| Lmax – Slow (dBA) | Leq (dBA) | Events (Seconds) |
|-------------------|-----------|------------------|
| 83                | 64        | 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)<br>µg/m3 | 19.1922 | 23.9130 | 21.1773 |
| VOC (15 min)<br>ppm    | 1.4439  | 1.5366  | 1.4939  |

**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<br>in/sec | 0.0019 | 0.0559 | 0.0109 |
| Transverse<br>in/sec   | 0.0025 | 0.0459 | 0.0094 |
| Vertical<br>in/sec     | 0.0019 | 0.0717 | 0.0113 |

**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

### DELIVERY – Borehole Completion Status

Installation Notes: GeoSource had a successful Monday drilling 1340ft and grouting 1 of their holes.

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 |
|             |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Productivity: 4,200 Total feet remaining 411 Average feet per day 9 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 08/12/2025 Drilling/Looping/Grout Installation
- 08/13/2025 Drilling/Looping/Grout Installation
- 08/14/2025 Drilling/Looping/Grout Installation
- 08/15/2025 Drilling/Looping/Grout Installation
- 08/18/2025 Drilling/Looping/Grout Installation
- 08/19/2025 Drilling/Looping/Grout Installation