

Memo

To: Fort Point Neighborhood Association and
St. Vincent's Lower End Neighborhood Association

From: Ileen Gladstone, P.E., LSP

c: Tommy Butler, Massport

Date: November 15, 2023

Re: Community Update #11 (Week of November 6, 2023)
Cypher/E Street Improvement Project
South Boston, Massachusetts
GEI Project No. 2302746

As the community's Licensed Site Professional (LSP) representing its interests on the Cypher/E Street Improvement Project, I am providing regular updates on project activities. The site Contractor is DW White and the LSP and Environmental Consultant representing Massport is Tetra Tech.

1. Recent Activity (Week of November 6, 2023)

During the week of November 6, 2023, DW White excavated and transported offsite soil in the D to E Street Connector (see Section 2). They did not excavate soil in the TSCA Area (see Section 2). They also excavated and transported pavement millings off the site between C and D Street and the TSCA Area. They received and stockpiled deliveries of ¾" stone; the stone is uncontaminated material that will be used for backfilling.

Eight monitoring wells along the project right of way were decommissioned on Wednesday, November 8, 2023. The wells were grouted.

2. Soil Excavation

2.1 D to E Street Connector

Work in the in the D to E Street Connector included excavation and backfilling for installation of drainage structures (see photo log) and electrical conduit. Soil was excavated and transported offsite on:

- Monday, November 6, 2023: 7 Truckloads.
- Tuesday, November 7, 2023: 7 Truckloads.

2.2 TSCA Area

PCB contaminated soil was not excavated the TSCA Area.

Asphalt milling was conducted in TSCA Area near the West Service Road (see photo log)

Continued placement of marker layer and imported gravel over milled asphalt. Continued installation of drainage structures in clean backfill above the marking layer (see photo log).

Dust control monitoring, watering, and sweeping was conducted.

2.3 Cypher between D to C Street

Asphalt milling was conducted between D and C Street.

Five trucks of millings were removed on Monday, November 6, 2023.

3. Dust Monitoring

3.1 Work Site

Dust monitoring is being conducted at the perimeter of the project work zone. Real time monitors are in place at the work site. The dust monitoring will assess the contractor's ongoing dust control measures and if additional controls are needed. The contractor will be controlling dust in the TSCA area by only exposing soil in an area that can be excavated in one day, covering the exposed soil at the end of the day, and using water misting. If the dust readings exceed the project standards, the contractor will increase their dust control measures such as additional water sprays or other measures. If necessary, work will be temporarily stopped until the project standards are met.

The dust Response Level (0.075 mg/m³) and the Action Level (0.150 mg/m³) were exceeded on Monday, November 6, 2023, and Wednesday, November 8, 2023. The dust Response Level (0.075 mg/m³) only was exceeded on Tuesday, November 7, 2023. The dust Response Level and Action Level were exceeded in the TSCA area.

During pavement milling, on November 6, 2023, the Response Level and Action Level was exceeded in the TSCA Area with multiple spikes within quick succession, at a level and frequency that did not permit the 15-minute Time Weighted Average (TWA) to drop back down before the next spike. The contractor employed maximum dust controls on the equipment after the first alarm and continued to apply additional wetting with a hose when the dust levels did not drop sufficiently. The dust was not being generated from soil excavation or loading activities but from asphalt milling, typical road construction activities, that is not regulated by the MCP. DW White indicated that the task would be complete in less than one hour and Massport decided to continue the activities until completion. Massport informed me of the conditions.

Tetra Tech monitored the 8-hour TWA to make sure that the project was not approaching the 8-hour TWA limit of 0.15 mg/m³, which it did not. At the end of the day, the 8-hour TWA was 0.086 mg/m³, well below the dust Action Level of 0.15 mg/m³.

On November 7, 2023, the Response Level was exceeded in the TSCA Area during utility installation. The utility installation was in imported soil above the marking layer. DW White sprayed water in the laydown area and conditions improved quickly.

On November 8, 2023, the Response Level and Action Level were exceeded. The dust monitor was knocked over by loose tarp blowing in the wind. The dust monitor was set back up and recorded dust levels returned to background level.

3.2 Community Parks

As requested by the community, Massport is conducting dust monitoring at the A Street Park, Flaherty Park, and the Mahoney Community Garden. Dust monitoring continues at each of the parks. The dust monitors are being deployed daily during the work week. Tetra Tech places a monitor in each park at the beginning of the workday and remove it at the end of the workday.

On November 6, 2023, the Response Level was exceeded at the A Street Park twice during asphalt milling in the northwest corner of the project (approximately 450 feet west of the project) due in part to a southeast wind. Additional water was applied to the milling equipment and conditions improved quickly. A Tetra Tech staff member was in the area overseeing test pits. He reported that he did not see visible dust near the A Street Park.

Recorded dust levels at the A Street Park for the remainder of the week, and at Flaherty Park and Mahoney Community Garden all week, were below actions levels during the work week.

4. Schedule

As is typical on construction projects, the contractor provides a look ahead schedule. These schedules often get modified based on field conditions, but they provide a good estimation of upcoming activities. According to DW White's look ahead schedule, the following activities are planned:

Week of 11/13/2023	<ul style="list-style-type: none">• Continue roadway construction in TSCA Area. Excavation of PCB contaminated soil be performed on Thursday, November 16, 2023.• Continue roadway construction in D to E Street Connector
Week of 11/20/2023	<ul style="list-style-type: none">• Roadway construction on Cypher between C and D Street• Continue roadway construction in D to E Street Connector
Week of 11/27/2023	<ul style="list-style-type: none">• Placement of subbase and binder in TSCA Area• Placement of subbase and binder in D to E Street Connector



5. Project Website

Massport and GEI have been collaborating on a project website, cyphereproject.com. The website includes contact numbers for Massport, the PowerPoint presentations from the community meetings, and traffic management and environmental controls information. The Community LSP page includes my background and contact information. I will be posting regular Community Updates on the website to keep you informed on the project progress, soil excavation, trucking, dust monitoring results, schedule, and other project activities.

6. Additional Activities

Massport is still evaluating options for planting trees as part of the project. Massport will be planting additional trees as part of this project.

Attachment

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Drainage in TSCA Area above
marking layer



Backfill over linear in TSCA Area



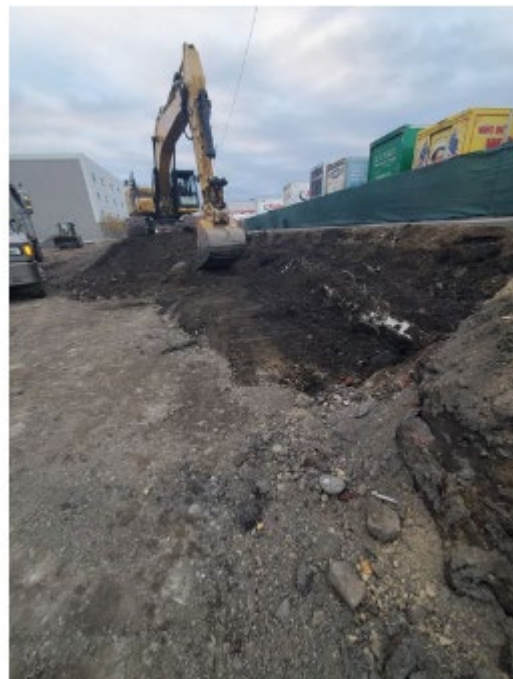
Asphalt milling in TSCA



Manhole in D to E Street connector



D to E Street Connector



D to E Street Connector
Excavation