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 8, 2023
Re:	Community Update #10 (Week of October 30, 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 October 30, 2023)

During the week of October 30, 2023, DW White excavated and transported offsite soil in the D to E Street Connector (see Section 2). They continued excavation in the TSCA Area (see Section 2). They also excavated and transported pavement millings off the site between C and D Street. They received and stockpiled deliveries of ¾" stone; the stone is uncontaminated material that will be used for backfilling.

2. Soil Excavation

2.1 D to E Street Connector

Work in the in the D to E Street Connector was excavation of soil to establish sub grade between D and E Streets. Soil was excavated and transported offsite on:

- Tuesday, October 31, 2023: 6 Truckloads.
- Wednesday, November 1, 2023: 8 Truckloads.
- Friday, November 3, 2023: 8 Truckloads.

2.2 TSCA Area

PCB contaminated soil was excavated in the TSCA Area on two days:

- Monday, October 30, 2023: 9 truckloads.
- Thursday, November 2, 2023: 9 truckloads.

The trucks were decontaminated prior to leaving the site, covered, and escorted offsite and instructed to turn left to the Bypass Road.

Soil in TSCA work zone was excavated along the northern side of work zone. An orange ID marker was installed at the final subgrade elevation and backfilled with clean dense grade material. No portion of the excavation was left uncovered.

Continued placement of imported material on southern portion of TSCA area that did not require excavation. An orange ID marker was installed at the final subgrade elevation and backfilled.

Continued installation of lighting conduit and light pole base in clean backfill above the marking layer (see photo log).

In Subphases 4 and 5 in the TSCA Area (see attached figure) the pavement is very thick and DW White was able to mill the pavement, in most of these areas, to the final road box excavation without ever encountering any soil. This has significantly reduced the amount of PCB contaminated soil that needed to be excavated and transported off site. Once the final excavation is achieved, it is backfilled with subgrade and paved creating the final cap.

Pavement milling is the process of removing a paved area. The milling process consists of using a milling machine to scrape off the top layer of asphalt to a specific depth. Once the asphalt is scraped off, the remaining asphalt is swept clean. Milling is also being done on other portions of the project that do not require full-depth excavation.

Dust control monitoring, watering, and sweeping was conducted. The soil excavated in the TSCA area was moist enough that it required minimal additional dust control measures. Dust monitoring during excavation did not indicate additional action.

2.3 Cypher between D to C Street

Conducted milling between D and C Street.

Eleven trucks of millings were removed each day on Thursday, November 2 and Friday, November 3, 2023. Some of these millings were from the TSCA area.

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/m^3) and the action level (0.150 mg/m^3) were exceeded on Thursday and Friday, November 2 and 3, 2023. The dust response level (0.075 mg/m^3) only was exceeded on Monday, October 30, 2023, and Wednesday, November 1, 2023. The dust response level and action level were not exceeded in the TSCA area.

On October 30, 2023, no specific source of the spike was observed by Tetra Tech. The spike was likely related to moisture at the sampling point. Reported dust levels dropped below Response Levels within 5 minutes. Tetra Tech inspected the station.

On November 1, 2023, the Response Level was exceeded on D Street near the lay down area due to dust generated by trucks driving on site. DW White ceased work and conditions improved quickly. The Response Level was also exceeded on Cypher Street, near C Street, when DW White was cleaning surface debris in preparation for backfilling. DW White sprayed water in the laydown area and conditions improved quickly.

On November 2, 2023, the Response Level and Action Level was exceeded multiple times during the day. The exceedances were due to pavement millings and not associated with soil excavation. The cold planer (milling equipment) implemented maximum water application.

On November 3, 2023, the Response Level and Action Level was exceeded during the day. The exceedances were due to pavement millings and not associated with soil excavation. The cold planer (milling equipment) implemented maximum water application.

3.2 Community Parks

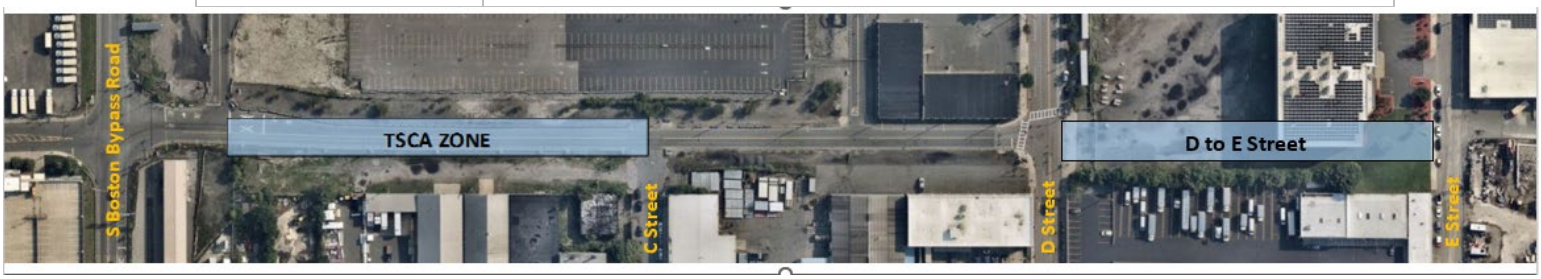
As requested by the community, Massport is conducting dust monitoring at the A Street Park, Flaherty Park, and the Mahoney Community Garden. Dust monitoring continues at each of the parks. The dust monitors are being deployed daily during the work week. Tetra Tech will place a monitor in each park at the beginning of the workday and remove it at the end of the workday. They will also be removing the solar panels and will rely on a battery pack for the monitors.

Recorded dust levels at A Street Park, 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 11/6/2023	• Continue roadway construction in TSCA Area. • Continue roadway construction in D to E Street Connector • Monitoring well decommissioning
Week of 11/13/2023	• Continue roadway construction in TSCA Area. Excavation of PCB contaminated soil be performed on Tuesday, November 14 and Thursday, November 16, 2023. • Continue roadway construction in D to E Street Connector
Week of 11/20/2023	• Roadway construction on Cypher between C and D Street • Continue roadway construction 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.

Attachments

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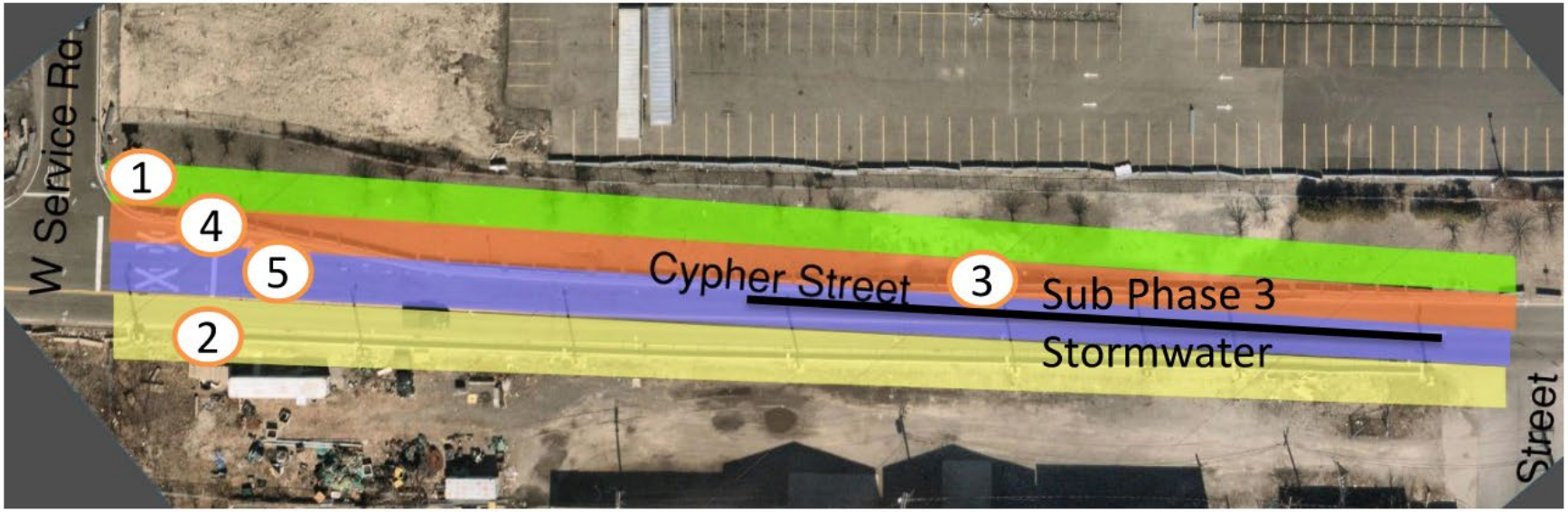
TSCA Area Sub Phases: work will be conducted one strip area at a time to control site



Mostly pavement milling rather than soil excavation in subphases 4 and 5 in TSCA Area

Light pole base above marker layer in TSCA Area

Asphalt milling

Water misting during milling

Soil loading