



Cypher/E Street Improvements LSP Support

Neighborhood Meeting

Fort Point Neighborhood Association and
St Vincent's Lower End Neighborhood Association

July 27, 2023

AGENDA

1. Introductions
2. Safety Moment
3. Regulatory Programs /Ileen Background
4. Project Overview
5. Construction and Mitigation



Safety Moment





PREVENTING TICK BITES



TIPS FROM CENTERS FOR DISEASE CONTROL AND PREVENTION

WHEN YOU COME INDOORS:

CHECK YOUR CLOTHING



Ticks can be carried into the house on clothing. Put your dry clothes in the dryer on high heat for 10 minutes to kill ticks.

CHECK YOUR GEAR & PETS



Ticks can come into the home on pets, backpacks and coats. Be sure to examine your pets carefully!

TAKE A SHOWER



Showering within two hours of coming inside has shown to reduce risk of tickborne disease and can help wash away unattached ticks.

CHECK YOUR BODY



Do a full-body check after being in any potentially tick-infested areas, including the yard.



An aerial photograph of a city grid, overlaid with a semi-transparent dark blue filter. A small blue location pin is positioned to the left of the title text.

Regulatory Programs Ileen's Background



Regulatory Programs

LSP: Licensed Site Professionals are licensed by the State to oversee the assessment cleanup of oil and hazardous waste sites

LSPs are required to hold paramount public health, safety, welfare and the environment in the performance of professional services.

MassDEP: Massachusetts Department of Environmental Protection

MCP: Massachusetts Contingency Plan are the regulations for the cleanup of sites that LSPs must follow

PCBs: Polychlorinated Biphenyls

EPA: Environmental Protection Agency

TSCA: Toxic Substance Control Act is the federal regulations for the cleanup of PCB



My role: To assist the community in understanding how contaminated materials will be managed, transported, and monitored during construction.

- GEI Consultants
- Senior Vice President
- LSP since 1993
- Specialize in construction on brownfield sites
- LSP of Record on the cleanup of more than 300 contaminated sites under the MCP
- PCBs on a portion of Cypher Street which is also being conducted under federal TSCA
- Environmental Consultant on more than 30 PCB Sites



An aerial photograph of a city grid, showing streets, buildings, and green spaces. A blue location pin is placed on a street in the upper left quadrant. The image is tilted slightly clockwise.

Project Overview



Proponent



Madeline Soule
Environmental Manager



Bill Phelps
Matthew Madden, P.E, LSP
Environmental Consultants



Dave Allen
Resident Engineer



Safety

Contractor



Community



SVLENA

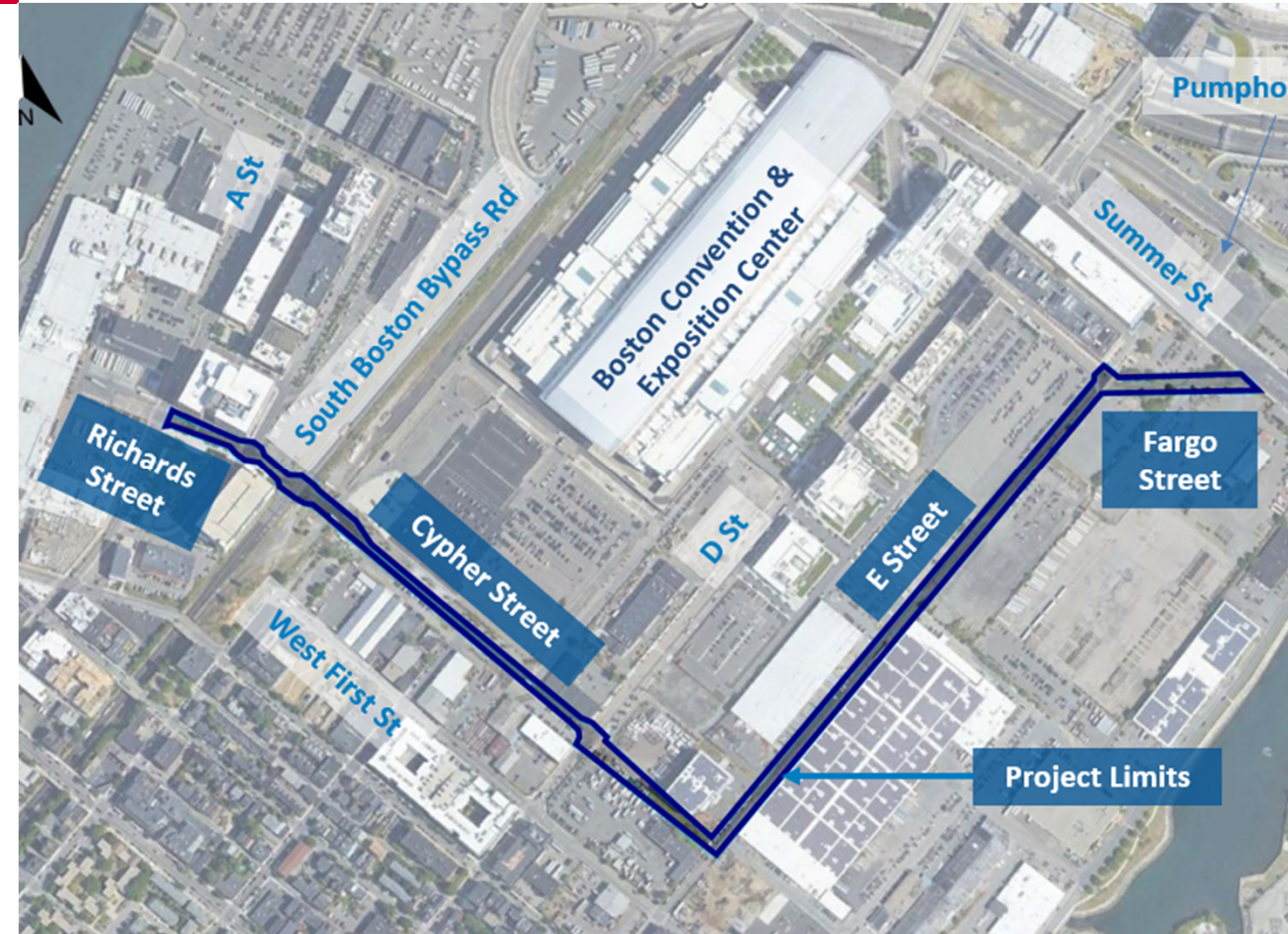


Ileen Gladstone, P.E., LSP

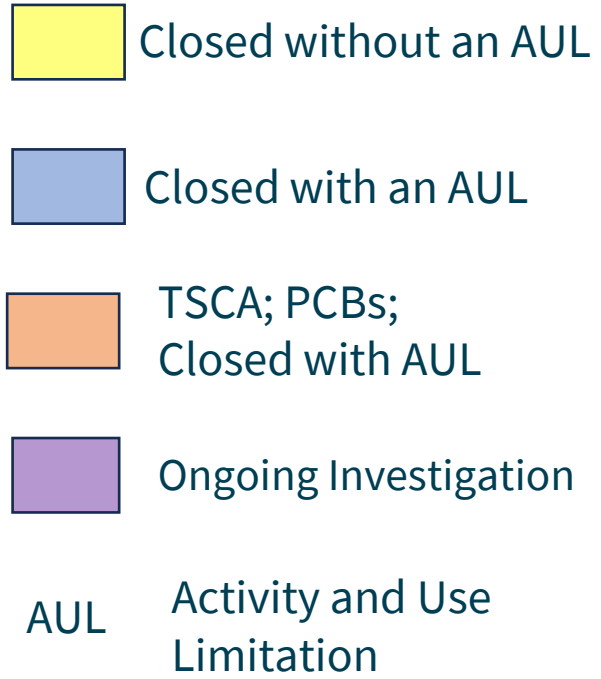


Project Scope

- **Richards Street** - New bicycle / pedestrian facilities
- **Cypher Street** - Roadway reconstruction including new sidewalks, roadway, bicycle facilities (to D Street) & utilities
- **Cypher Street** (D Street to E Street) – New roadway construction, sidewalks & utilities
- **E Street** – Milling/ Repaving (Asphalt Surface Restoration)
- **Fargo Street** – Roadway reconstruction including new sidewalks, roadway surface & utilities



KNOWN CONTAMINATION IN PROJECT RIGHT OF WAY



TSCA Area

RTN 3-16211 subject to MCP and TSCA

TSCA are federal regulations for the cleanup of PCBs

History of the TSCA Area:

- Boston Junk/SAK Recycling facility operated from 1947 to 1996, including scrap metal recovery of electrical equipment
- PCB and other contamination identified in soil.
- The Site was closed under TSCA and the MCP with some PCBs left beneath a cap with a Deed Restriction.
- Construction is allowed, but the Deed restriction requires environmental controls during construction work and repair of the cap.



Soil Pre-Characterization (April/May 2023)

Goal: Confirm and characterize site contamination before construction to support safety and efficient soil removal

- Reviewed existing data within the project area
- Collect data to expediate off-site disposal of soil
 - To facilitate direct loading of soil into trucks
 - Limit stockpiling of soil
- Approximately 68 borings on Richards, Cypher and Fargo Streets



Construction and Mitigation

1. Mobilization
2. TSCA Segment
3. Soil Management
4. Dust Monitoring and Mitigation
5. Stormwater and Erosion Control
6. Decontamination



Resident Engineering and Massport LSP Oversight – Keville Enterprises and Tetra Tech providing oversight to enforce compliance with construction plans and specifications and environmental requirements.

Community's LSP – I will attend construction and soil management meetings, be updated on schedules, receive all data (including dust monitoring) and conduct site walks.

Contractor, DW White - long track record on construction on contaminated properties

- DW White has engaged their own LSP for the project
- Construction personnel handling contaminated soil must have OSHA required Health and Safety Training



TSCA Segment (Fall 2023-Spring 2024)

- Approach approved by EPA
- Soil planned for offsite disposal loaded directly onto trucks
- All soil disposed off site will be disposed at a TSCA landfill, likely in Alabama or Michigan
- Only a portion of the soil will be exposed at any time and covered each night to minimize dust



TSCA Segment (Fall 2023-Spring 2024)

- Stockpiled soils will be covered and protected with erosion controls
- Clean utility corridors
- New cap will eliminate exposure to residual PCB contaminated soil and is significantly thicker than required by EPA or MassDEP. Warning layer placed between clean cap and residual soil contamination
- All equipment and tools decontaminated



Soil Management

- Soil was pre-characterized to expedite approvals
- Contractor will obtain pre-approval from disposal facilities
- Live-loading soils as much as possible rather than temporarily stockpiling soils to reduce dust generation
- Stockpiles covered to minimize dust generation
- Reuse of soil onsite, when appropriate
 - Reduces truck trips for soil and imported material
 - Reduces greenhouse gases



Dust Mitigation and Monitoring

- Air monitors setup before the start of work
- Monitoring for dust and VOCs
- Tetra Tech calculated site-specific action (thresholds) levels; confirmed by GEI's Risk Assessor
- Real time monitoring with Telemetry so Massport, Contractor, the Resident Engineer, Tetra Tech (LSP of Record) and me will get immediate notification if action level is exceeded



Dust Mitigation and Monitoring

- Upwind and downwind monitors
- Contractor will take immediate corrective action
 - Spraying misted water
 - Covering
 - Stop work if not corrected
- Construction entrance constructed (crushed stone) to prevent tracking exposed underlying soil in TSCA area
- Street sweeping performed during heavy earthwork activities



Stormwater and Erosion Controls

- Straw Wattle / Silt Fencing around disturbed areas
- Straw Wattle around stockpiles
- Catch basin Inlet Protection (Silt Bags)
- Regular Monitoring, Repair and Replacement of Erosion Controls is required
- Inspection after storm events is required



- **Project Wide:**

- Covered trucks
- Removal of heavy soiling or impacts through scraping and brushing
- Wheel wash and equipment decontamination station.

- **Additional requirements in TSCA Area**

- Decontamination of tools and equipment with a “double wash, double rinse” protocol
- Capture wash water, sediment and cleaning materials from decontamination area and placed in drums for disposal.
- Control entrances to be sure truck hauling do not track material outside the limits of the project



Next Steps

- Frequency of meetings
- Data review
- Schedule
- Project Status Update
- Communication Plan



Questions

Ileen Gladstone, P.E., LSP
igladstone@geiconsultants.com
781.424.9924

