



engineering and constructing a better tomorrow

December 12, 2008

Mr. Joseph T. Martella II, Senior Engineer
RIDEM Office of Waste Management
Site Remediation Program
235 Providence Street
Providence, RI 02908

**RE: Mashapaug Cove Groundwater Investigation
Former Gorham Manufacturing Facility
333 Adelaide Avenue, Providence, Rhode Island
MACTEC Project No. 3650050041.22**

Dear Mr. Martella:

On behalf of Textron, Inc., this letter presents the scope of work for the installation of monitoring wells and the collection of samples from Mashapaug Cove, behind the former Gorham Manufacturing Site. The objective of this investigation is to complete the delineation of the groundwater contamination as it extends north from the retail complex towards the Cove. Textron will continue to investigate in order to cleanup the site.

BACKGROUND

Investigations have been conducted at the Site that identified two groundwater plumes extending from the upland area north to Mashapaug Cove. Additional investigations in the Mashapaug Inner Cove identified contamination in the sediments similar to those detected in the groundwater. To date these groundwater plumes have been delineated within the upland area of the Site, but have not been delineated within the Inner Cove nor the interaction between the groundwater and cove sediment completed. As discussed in the response to comments for the July 2006 Supplemental Site Investigation Report, additional investigations are required to complete the conceptual site model for groundwater flow from the upland area of the Site into Mashapaug Cove and complete the delineation of the contaminated groundwater.

SCOPE OF WORK

MACTEC Engineering and Consulting, Inc. (MACTEC) and its subcontractor will conduct vertical profiling at five locations along the Cove shoreline (Figure 1, A-D and H) and four locations within the Inner Cove (Figure 1, E-G and I). Groundwater samples will be collected beginning at the water table extending down approximately 40 feet below the pond surface. The groundwater samples will be field screened with a photo-ionization detector (PID) and analyzed in an onsite laboratory for volatile organic compounds (VOCs). This data will also be used to confirm the horizontal location of proposed monitoring wells and the vertical location of the well screens. Five couplet wells (two individual wells with different well screen depths) will be installed at each location along the southern shoreline of the Inner Cove (Figure 1, A-D and H). Once developed, groundwater samples will be collected and sent to an off-site laboratory for VOC analyses.

Six additional samples will be collected along the shoreline at the groundwater and surface water interface (Figure 1, 1-6) and a sediment sample at Location 6 (Figure 1). These will also be analyzed for VOCs.

REPORTING

A field activities report to summarize the groundwater sampling program and the analytical results will be prepared and submitted to RIDEM approximately 30 days following receipt of the analytical data.

PROPOSED SCHEDULE

Textron has scheduled field activities for this groundwater investigation between December 15 and 23, 2008. MACTEC has mailed written notification of this work to the abutters, stakeholders and building owner/occupants in accordance with the Remediation Regulations prior to conducting the work. The notification will be issued in both English and Spanish.

We look forward to working with RIDEM on the implementation and results of this groundwater investigation. Feel free to contact either Dave Heislein at (781) 213-5655 or Greg Simpson of Textron at (401) 457-2635 with any questions.

Sincerely,
MACTEC Engineering and Consulting, Inc.



Philip J. Muller
Project Engineer



David E. Heislein
Principal Engineer

Attachment: Figure 1 – Proposed Sample Locations

cc: T. Deller, City of Providence
M. Speer, EA Engineering, Science, and Technology
G. Simpson, Textron, Inc.
J. Schiff, Textron, Inc.
G. Wilson, Kimco Realty
J. Morgan, Stop & Shop, LLC
Knight Memorial Library Repository
MACTEC Project File [P:\3650050041 - Textron Gorham\4.0 Project Deliverables\4.2 Work Plans\Cove Inv RIDEM WP_121208.doc]

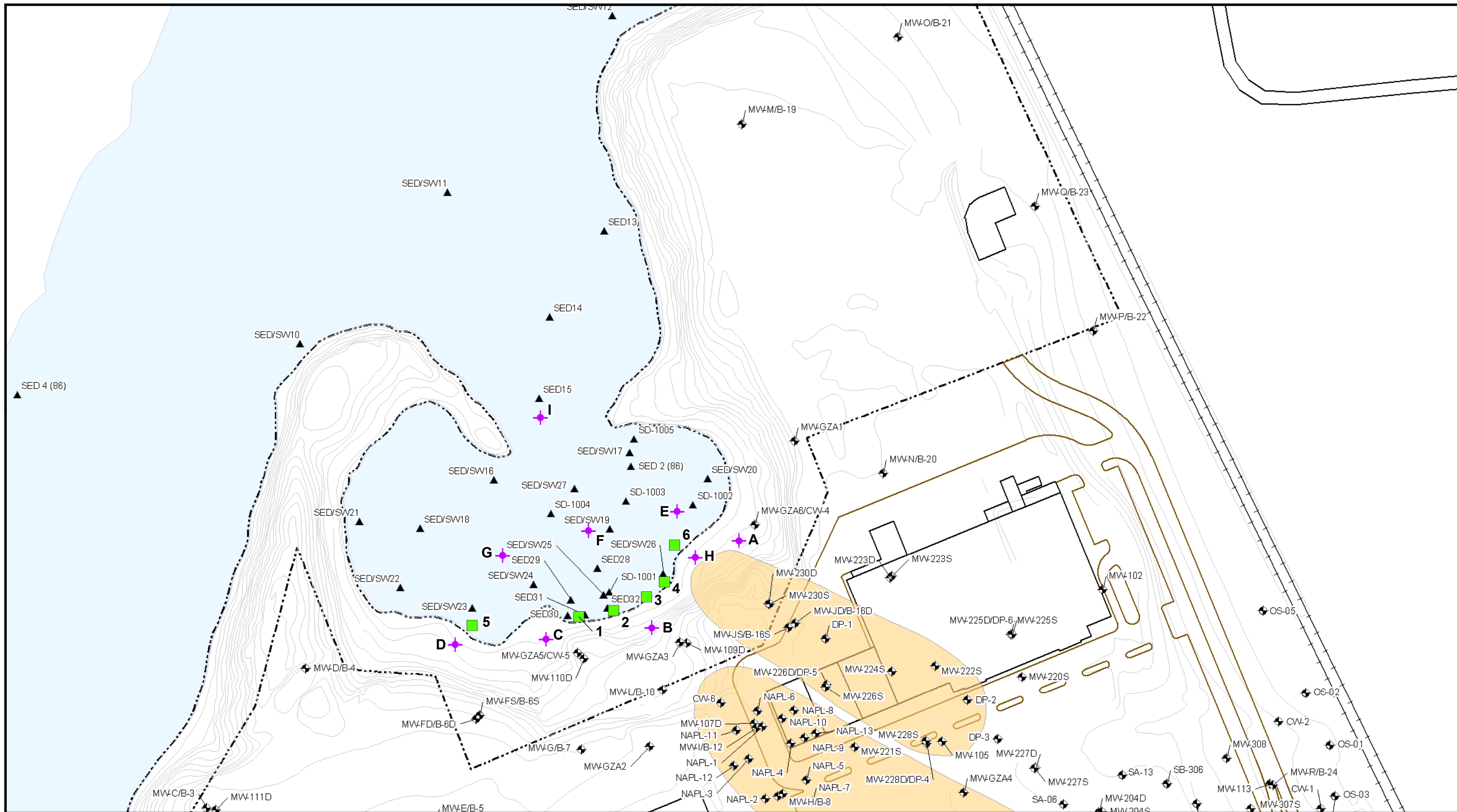


Figure 1

Proposed Sample Locations

Legend

- ◆ Proposed temporary or permanent monitoring well or piezometer
- Proposed explorations to characterize groundwater source of near shore sediment impacts
- ◆ Existing Groundwater Sample Location
- ▲ Existing Sediment Sample Location
- Approximate Groundwater Plume Boundary
- Elevation Contour
- Pavement
- Railroad
- ⊠ Park Parcel Boundary

N

0 60 120
Feet

Prepared by BJR | Checked by DEH

333 Adelaide Avenue
Providence, Rhode Island
MACTEC, Inc.