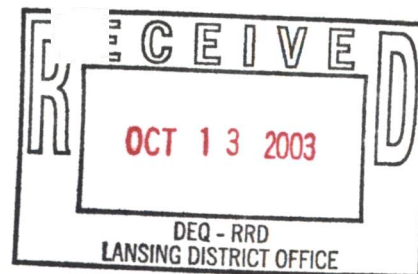




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10 October 2003

Mr. James Innes
Michigan Department of Environmental Quality – RRD
P.O. Box 30242
Lansing, MI 48909

Work Order No. 01138.079.010.0010

Re: Further Investigation to Evaluate Extent of Vinyl Chloride in Groundwater
Linden Road Landfill Site (Parcel #3)
Flint Township, Michigan

Dear Mr. Innes:

Weston Solutions, Inc. (WESTON®), on behalf of General Motors (GM) is pleased to submit this plan and scope of work to conduct a further investigation to the already completed focused environmental investigation conducted in June of 2003 at the Linden Road Landfill site (Parcel #3) located in Flint Township, Michigan. This plan is in response to Michigan Department of Environmental Quality's (MDEQ) letter dated 25 August 2003, which agreed with WESTON's recommendation for further investigation to delineate the extent of vinyl chloride in groundwater in the vicinity of Monitoring Well MW-3S. Detailed background information for this investigation was presented in the WESTON letter report dated 20 August 2003 discussing the findings of the initial investigation. The following paragraphs include a proposed scope of work for the additional work associated with this project.

SCOPE OF WORK

The objective for the investigation is to evaluate further, the presence and extent of vinyl chloride in the shallow water-bearing zone in the vicinity and downgradient of MW-3S. In order to accomplish the stated objective, WESTON proposes to advance up to five (5) additional shallow soil borings using direct-push (e.g. Geoprobe) equipment for the purpose of geologic logging and collection of one or two grab groundwater samples at each boring location. The additional borings will be located based on the to results of the June 2003 focused environmental investigation and within 50 feet of previously sampled boring locations (Figure 1).

At each boring location, up to three separate holes maybe advanced. The initial boring at each location will be advanced to an approximate depth of 12 feet bgs and will be used to log stratigraphy and evaluate water-bearing characteristics of the location (e.g., presence of saturated zones capable of producing groundwater samples). Each boring will be described and logged by a qualified geologist utilizing the Unified Soil Classification System (USCS). Upon completion of logging, the borehole will be sealed using granular or pelletized bentonite. To evaluate the extent of vinyl chloride within the shallow water-bearing zone, up to two additional borings will be advanced to the stratigraphic depth identified in the first boring as a water-bearing zone in





Mr. James Innes
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order to collect grab groundwater samples. Based on geologic logs from the previous investigation, the primary water-bearing zone is expected to be present at approximately 2 to 6 feet bgs. Therefore, a 4-foot long sheathed screen point sampling device will be driven to an approximate depth of 6 feet bgs, opened, and a grab groundwater sample collected. If the geologic log of the boring location indicates permeable materials are present between approximately 6 and 12 feet bgs, the screen point sampler will be advanced to the appropriate depth interval and an attempt will be made to collect a second groundwater sample. If the log indicates only one water-bearing zone is present which is less than 4-feet thick, only one sample will be collected.

Groundwater samples will be collected using a peristaltic pump. Attempts will be made to purge approximately three volumes of the sampler and measure pH, specific conductance, and temperature prior to sample collection; however, due to the expected low permeability conditions of the site soils, this may not be possible. If the groundwater sample interval goes dry during purging, the groundwater sample will be collected as soon as full recharge occurs. In the event that recharge in the shallow zone is very slow, a temporary 1-inch PVC well point may be installed and allowed to recharge overnight prior to sampling.

Sampling equipment will be decontaminated between each use in accordance with standard procedures in the O&M Plan for this site. Where peristaltic tubing is used, a new length will be allocated for each sampling attempt. Quality assurance/quality control (QA/QC) will be evaluated by collection of equipment blank and field duplicate samples. A trip blank sample will also be analyzed for each shipment of aqueous volatile organic compounds (VOCs) samples to the laboratory. Groundwater samples collected during the investigation will be submitted to Merit Laboratories, Inc. of East Lansing, Michigan. Laboratory analysis will consist of VOCs only. A WESTON chemist, in accordance with standard U.S. EPA protocol, will validate laboratory data.

REPORT PREPARATION

Following completion of field activities, WESTON will compile and evaluate data and information obtained during the field investigation. A brief letter report summarizing the results will be prepared. The report will include detailed discussions of investigation activities as well as analytical summaries, sampling location maps, and conclusions and recommendations for future evaluation activities, as appropriate.

SCHEDULE

The field effort proposed above is anticipated to take a total of 2 days, while the completed summary report is expected to be prepared within approximately 2 to 3 weeks of receipt of analytical results. Laboratory analysis will be completed with standard turnaround time (approximately 3 weeks). WESTON will notify MDEQ at least one week prior to the start of fieldwork.



Mr. James Innes
Michigan Department of Environmental Quality

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This further sampling investigation will be conducted upon receiving MDEQ approval, and in conjunction with the annual Operation and Maintenance ground water sampling event at the site planned for the end of October 2003. If you have any questions or require additional information, please call me at (847) 918-4018.

Very truly yours,

WESTON SOLUTIONS, INC.

A handwritten signature in black ink, appearing to read "S. Babusukumar".

S. Babusukumar, P.G.
Project Manager

SB\tg

Cc: R. Metcalf, GM

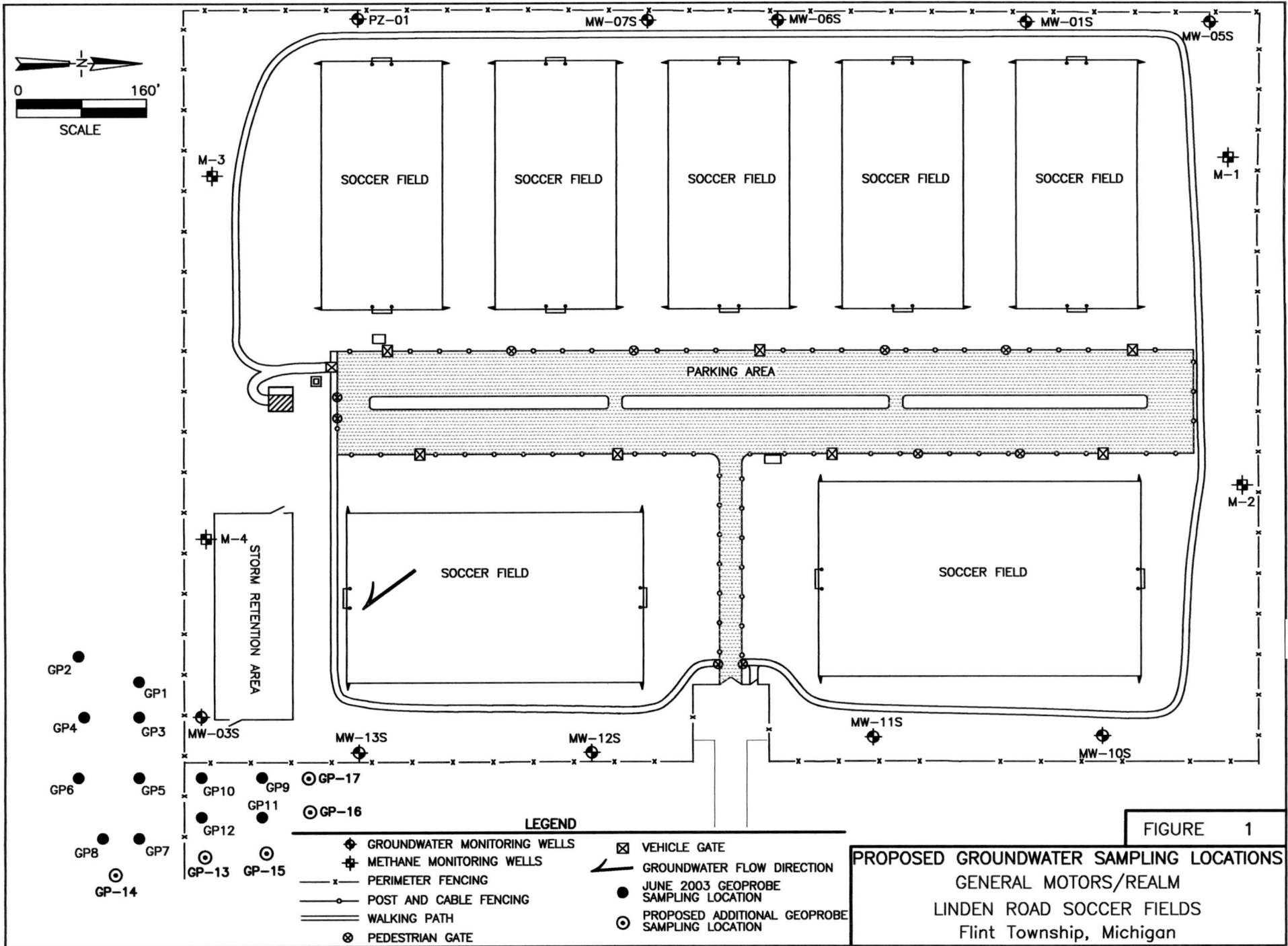


FIGURE 1

PROPOSED GROUNDWATER SAMPLING LOCATIONS
 GENERAL MOTORS/REALM
 LINDEN ROAD SOCCER FIELDS
 Flint Township, Michigan