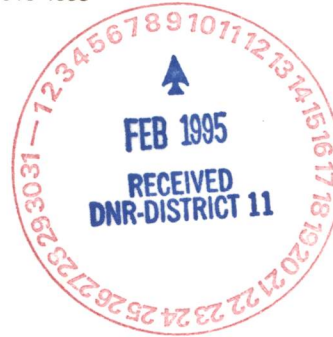




Roy F. Weston, Inc.  
Suite 400  
3 Hawthorn Parkway  
Vernon Hills, Illinois 60061-1450  
708-918-4000 • Fax 708-918-4055

OK ✓

8 February 1995



Mr. Farsad Fotouhi  
Environmental Response Division  
Michigan Department of Natural Resources  
Shiawassee District Office  
10650 S. Bennett Drive  
Morrice, MI 48857

Work Order No. 01138-079-001

Re: Monitoring Well Installation and Sampling  
Linden Road Landfill Site; Flint, Michigan

Dear Mr. Fotouhi:

As discussed during the meeting held at your office on 26 January 1995 between the Michigan Department of Natural Resources (MDNR), General Motors Corporation (GM), and Roy F. Weston, Inc. (WESTON®), WESTON, on behalf of GM, herein submits a plan for installing and sampling additional monitoring wells at the Linden Road Landfill site. The purpose of installing and sampling the new wells is to supplement existing information on groundwater quality, particularly along the western boundary of the site. This additional sampling activity (along with existing data) is expected to further support a Type C remedial action approach for the site.

Details of the proposed new wells, as well as for the sampling and analysis of groundwater samples, are presented below.

#### Monitoring Well Installation

A total of three additional shallow monitoring wells (MW-05S, MW-06S, and MW-07S) will be installed at the site. The attached Figure 1 shows the locations of both the existing monitoring wells and the proposed new wells. The additional monitoring wells (MW-05S, MW-06S, and MW-07S) will be installed along the western boundary of the site as close as possible to the property fence line (Figure 1).

Monitoring well drilling will be performed using 4.25-inch i.d. hollow-stem augers (HSAs). Soil samples will be collected at continuous intervals with standard split-spoon samplers, using ASTM-1586 procedures. Consistent with the existing wells, each new well's material will consist of a 2-inch diameter, stainless steel, flush-jointed riser pipe and stainless steel





Mr. Farsad Fotouhi  
MDNR

-2-

8 February 1995

(Grade 304) screens. The well screens will be 10 feet in length with 0.010-inch slotted openings. They will be positioned to straddle the water table. All well construction and well development methods will be consistent with those employed in constructing the existing wells, as described on pages 4-29 to 4-31 of the "Interim Remedial Measures Evaluation and Site Investigation Report" (March 1992).

### Groundwater Sampling and Analysis

A single round of groundwater samples will be collected from the three newly installed wells (MW-05S, MW-06S, and MW-07S), as well as from four of the existing shallow wells (MW-01S, MW-02S, MW-03S, and MW-04S). The well sampling procedures will be in accordance with those described in the site investigation Work Plan (July 1990). Prior to sampling the wells, the static water level will be measured in all the existing wells, the newly installed wells, and the two piezometers on site. The wells planned for sampling will be purged using Teflon bailers. Well purging will continue until pH, specific conductance, and temperature readings are stabilized, or until a minimum of three well volumes are purged. Following purging, samples will be collected for analysis.

A total of seven investigative samples, a field duplicate, a field blank, a matrix spike, and a trip blank sample will be collected and analyzed for volatile organic compounds (VOCs). The samples will then be analyzed by Clayton Environmental Laboratories, located in Novi, Michigan, using U.S. EPA Method SW846/8260. The analytical detection limits for the above analyses will be consistent with MDNR/MERA Operational Memorandum #6, Revision #3.

Upon receipt of the analytical results from the laboratory, WESTON will validate, evaluate, and tabulate the data for review by MDNR. A summary letter presenting results of the sampling effort described herein will be forwarded to MDNR within two weeks of receiving laboratory data.

GM plans to implement field activities described herein during the week of 20 February 1995.



Mr. Farsad Fotouhi  
MDNR

-3-

8 February 1995

If you have any questions or require additional information, please call me at (708) 918-4018.

Very truly yours,

ROY F. WESTON, INC.

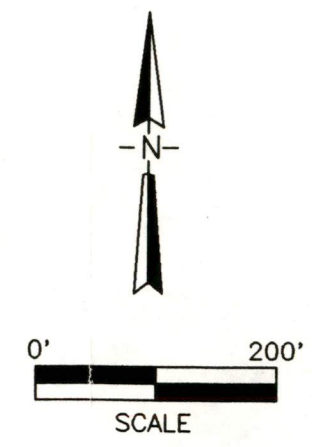
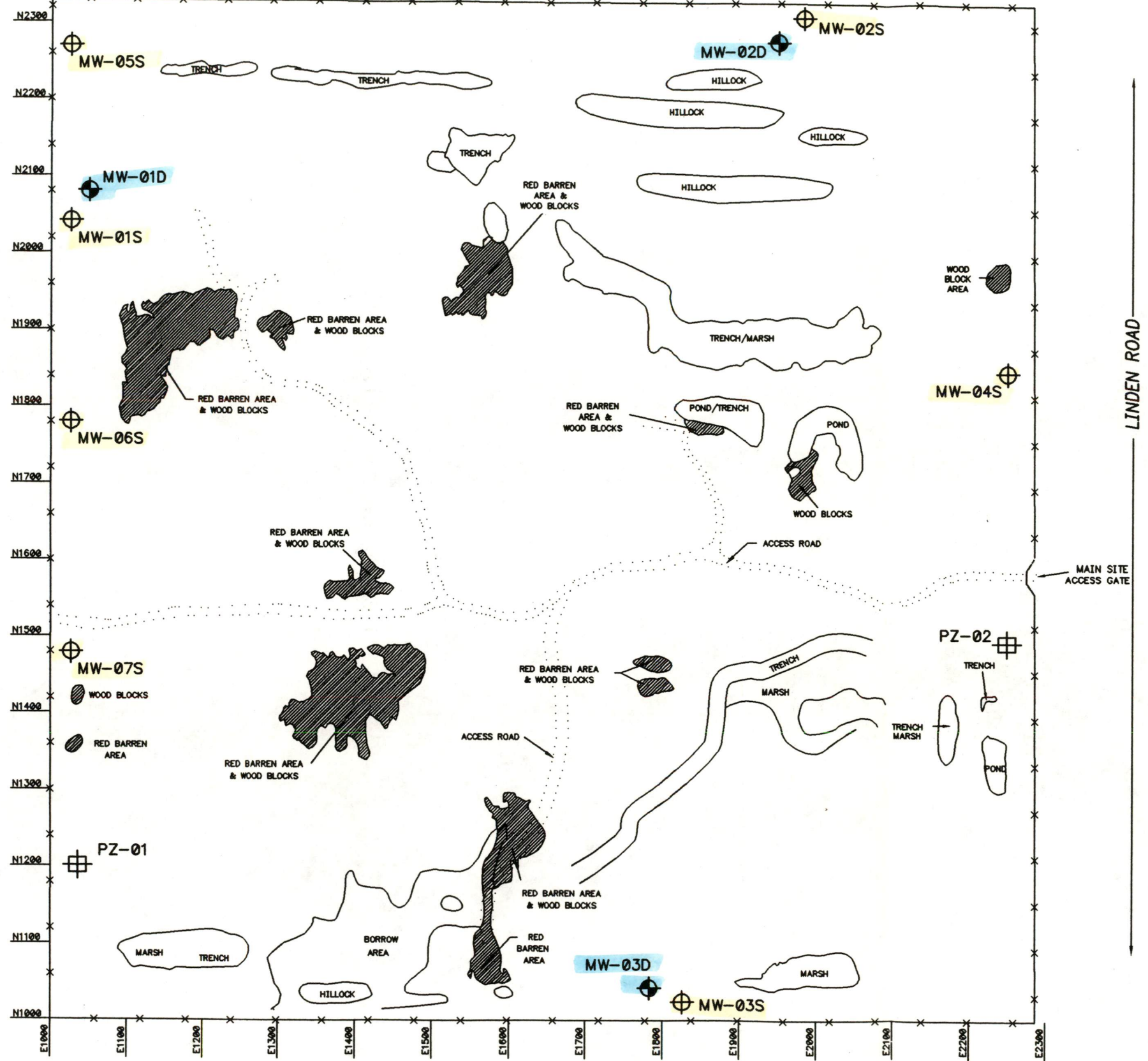
A handwritten signature in black ink, appearing to read "S. Babusukumar".

S. Babusukumar, P.G.  
Project Manager

SB/sr

cc: R. Metcalf, GM  
E. Peterson, GM

TAD-02/08/95-15:02-J:\CAD93\600\61091



LEGEND	
MW-04S	SHALLOW MONITORING WELL LOCATION
MW-02D	DEEP MONITORING WELL LOCATION
PZ-02	PIEZOMETER LOCATION

FIGURE 1

**WESTON** MANAGERS DESIGNERS/CONSULTANTS  
 Three Hawthorn Parkway  
 Vernon Hills, Illinois  
 60061

MONITORING WELL &  
 PIEZOMETER LOCATIONS  
 LINDEN ROAD LANDFILL SITE  
 Flint, Michigan