

July 27, 2000

RECEIVED  
DNR/HEADQUARTERS  
SED  
2000 AUG -1 PM 2: 28

Project #3125

Andrew F. Boettcher  
Southeast Regional Headquarters  
Wisconsin Department of Natural Resources  
2300 N. Dr. ML King Drive  
Milwaukee, WI 53212-0436

**Re: Revised Scope of Work for Investigation Activities to Further Define the Downgradient Impacts Associated with the Former Good Hope Landfill Site, Milwaukee, Wisconsin**

Dear Mr. Boettcher:

Sigma Environmental Services, Inc. (Sigma) on behalf of the Village of Whitefish Bay has prepared this response in regards to your June 28, 2000 letter. We appreciate your effort in assisting us to develop an investigation plan, and have revised the proposed Scope of Work to incorporate several of the recommendations presented in your letter. The itemized comments and/or revisions to the proposed scope of work (**and Sigma's evaluation and response to each**) are presented below.

- Wisconsin Department of Natural Resource staff would like to be present during field activities. **(Sigma will notify Mr. Boettcher following scheduling and prior to implementation of the field work).**
- All geoprobes and soil borings be continuously logged to determine the stratigraphy of the area. **(Soil samples will be collected on a continuous basis and described on the basis of color, texture, grain size, and plasticity, and classified in accordance with the Unified Soil Classification System (USCS). The soil classifications, sampling intervals, PID screening results and descriptions will be presented on soil boring logs).**
- If a geoprobe is installed in an area not immediately near a monitoring well and groundwater is encountered in the borehole, that a water sample be collected and analyzed for VOCs. **(It is Sigma's opinion that groundwater samples will not be collected from the geoprobe soil borings because the geoprobe soil borings will be advanced to a depth shallower than the water table in order for proper completion as soil gas probes).**
- Permanent installation of soil gas probes should be considered. **(It is Sigma's opinion that temporary soil gas probes are more advantageous than permanent soil gas probes)**



because temporary soil gas probes would be less intrusive to the residential neighborhood's sidewalks and right-of-ways. In addition, the total cost of temporary installation and two consecutive monitoring events is comparable to permanent installation. As such, Sigma proposes to complete the present soil gas study using temporary probes).

- Geoprobe #12 should be moved approximately one block east to the 6700 block of North 54<sup>th</sup> Street. (Geoprobe #12 will be moved one block east to 6747 North 54<sup>th</sup> Street).
- MW-8/PZ-8 should be moved approximately five blocks east to around 6635 N. 51<sup>st</sup> St. (The purpose of well nest MW-8/PZ-8 is to delineate the western extent of the contaminant plume. It is Sigma's opinion that the well nest should remain in the western vicinity of the study area; however, the well nest will be moved two blocks to the east and installed next to GP-9 at 6624 North 54<sup>th</sup> Street to effectively delineate the western extent of the contaminant plume).
- MW-10/PZ-10 should be moved one block east to be near Lincoln Creek. The suggested location is in the sidewalk along Mill Road between the driveway for 6400 N 51<sup>st</sup> St. and Lincoln Creek (MW-10/PZ-10 will be moved one block east to be near Lincoln Creek and will be installed at the recommended location).
- An additional set of wells should be considered near the area of Geoprobe #9 (The locations of well nests MW-8/PZ-8, MW-9/PZ-9, and MW-10/PZ-10 are anticipated to define the extents of the contaminant plume. It is Sigma's opinion that sufficient chemical data will be generated for the contaminant plume by repositioning the well nest locations).
- MW-9/PZ-9 should be located west of the Graceland Cemetery drive if possible (MW-9/PZ-9 will be located west of the Graceland Cemetery drive provided access is available).

Mr. Andrew F. Boettcher  
Wisconsin Department of Natural Resources  
July 31, 2000  
Page 3


Sigma will complete the investigation activities as detailed in the June 5, 2000 letter report "Scope of Work for Investigation Activities to Further Define the Downgradient Impacts Associated with the Former Good Hope Landfill Site, Milwaukee, Wisconsin" and in accordance with the aforementioned revisions to the Scope of Work. The revised soil gas probe and well nest locations are presented in Figure 1 and summarized in Table 1.

Please contact us at 414-768-7144 with any questions or comments regarding the revised Scope of Work for the former Good Hope Landfill site.

Sincerely,

**SIGMA ENVIRONMENTAL SERVICES, INC.**

  
Randy E. Boness, P.G.  
Senior Project Manager

  
Mafizul Islam, P.E.  
Senior Project Engineer

Attachments

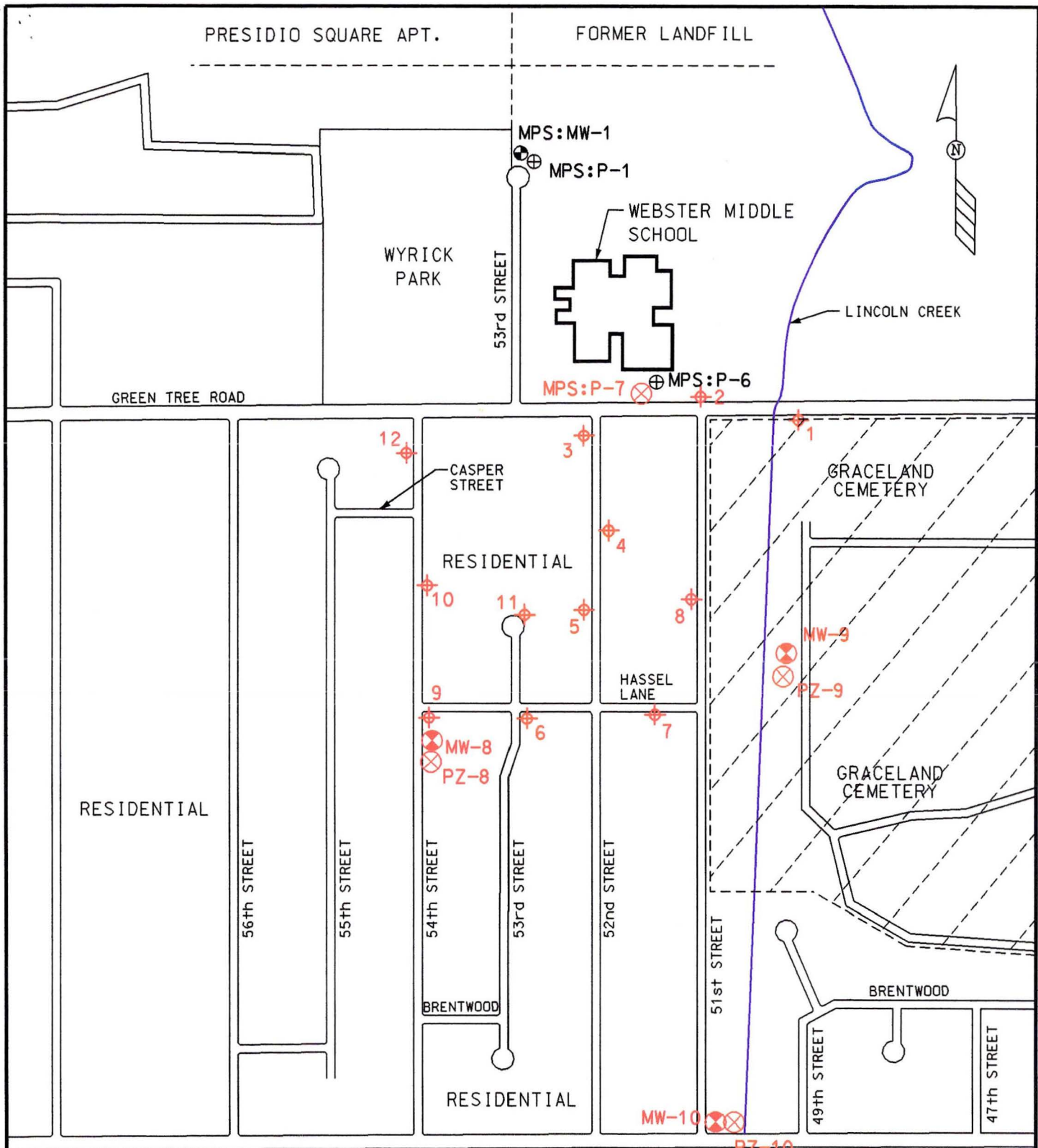
Figures

Figure 1 - Proposed Monitoring Well and Geoprobe Locations

Tables

Table 1 - Geoprobe and Monitoring Well Locations for Subsurface Study

cc: Mr. Dennis Fisher - Meissner, Tierney, Fisher & Nichols  
Mr. Ed Henschel - Village of Whitefish Bay



**NOTES:**

1. BOUNDARIES ARE APPROXIMATE
2. MONITORING WELL / PIEZOMETER LOCATIONS ARE APPROXIMATE
3. THIS MAP WAS DEVELOPED FROM A MILWAUKEE COUNTY MAP AND THIENSVILLE QUADRANGLE TOPOGRAPHIC MAP.

**LEGEND**

- ⊕ = MONITORING WELL
- ⊕ = PIEZOMETER
- ⊗ = PROPOSED MONITORING WELL
- ⊗ = PROPOSED PIEZOMETER
- ⊕ = PROPOSED GEOPROBE BORING

**VILLAGE OF WHITEFISH BAY  
MILWAUKEE, WI**



DATE: 6-15-00

DR. BY: TMM

DR.# 3125-037

SCALE: 1" = 500'

**PROPOSED MONITORING WELL  
AND GEOPROBE LOCATIONS**

**FIGURE 1**

**Table 1**  
**Geoprobe and Monitoring Well Locations for Subsurface Study**  
**South of Webster Middle School**

<u>GeoProbe/ Well ID</u>	<u>Address</u>	<u>Descriptions</u>
#1	--	Next to Lincoln Creek on Green Tree Road. No house nearby.
#2	--	Move the location to the north of the Green Tree Road and 51 <sup>st</sup> . Street intersection.
#3	6749 N. 52 <sup>nd</sup> . St.	A vacant lot is located south of this house.
#4	6712 N. 52 <sup>nd</sup> . St.	A vacant lot is located north of this address.
#5	6632 N. 52 <sup>nd</sup> . St.	A vacant lot is located north of this address.
#6	6630 N. 53 <sup>rd</sup> . St.	This is an open lot located on the southeast corner of 53 <sup>rd</sup> . and Hassel Lane intersection.
#7	5135 Hassel Lane	House located on Hassel Lane west of 51 <sup>st</sup> . St.
#8	6676 N. 51 <sup>st</sup> . St.	House on west side of 51 <sup>st</sup> . St.
#9	6622 N. 54 <sup>th</sup> . St.	A vacant lot located north of this address.
#10	6652 N. 54 <sup>th</sup> . St.	A vacant lot located north of this address.
#11	--	Open area at the end of 53 <sup>rd</sup> . St., no houses nearby.
#12	6747 N. 54 <sup>th</sup> . St.	House on west side of 54 <sup>th</sup> . St.
MW-8/PZ-8	6622 N. 54 <sup>th</sup> . St.	A vacant lot located north of this address.
MW-9/PZ-9	--	On Graceland Cemetery Property west of Graceland Cemetery drive.
MW-10/PZ-10	--	Between driveway for 6400 N 51 <sup>st</sup> St. and Lincoln Creek. Sidewalk along Mill Road.