

**FIGURE 1  
SITE SCORING SHEET**

Linden Road LF	25000016	Genesee	36
Site Name	Site ID	County	Score

<b>CATEGORY</b>					<b>CATEGORY SUBSCORE</b>
Environmental Contamination (20 points Max.)	Environmental Media	Potential Contamination	Suspected Contamination	Confirmed Contamination	Human Exposure
	Soils	1	3	⑥	9
	Ground Water	1	3	⑥	9 to 20
	Surface Water	①	3	6	9 to 20
	Air	1	3	6	9 to 20
					<b>13</b>

Mobility Ratings (5 points Max.)	1	or	3	or	⑤
					<b>5</b>

Sensitive Environmental Resources (3 points Max.)	Natural Communities	Uncommon	Rare	Extremely Rare	
	Plants/Animals	Special Concern	Threatened	Endangered	
	One occurrence	1	2	3	
	Two occurrences	2	3	3	
	Three or more	3	3	3	
					<b>0</b>

Population (4 points Max.)	Density (persons per square mile)	Points
	1 - 10	1
	11 - 100	2
	101 - 1000	3
	1001 or more	④
		<b>4</b>

**FIGURE 1  
SITE SCORING SHEET - Continued**

Linden Road LF	25000016	Genesee	36
Site Name	Site ID	County	Score

<b>CATEGORY</b>		<b>CATEGORY SUBSCORE</b>
Institutional Population (1 point Max.)	Presence of one or more institutions in target area	①
		<b>1</b>

<b>Chemical Hazard Method A</b>	<b>Concentration/ Cleanup Criteria Ratio</b>	<b>Points</b>	
	1.01 - 4.9	3	
	5 - 9.9	5	
	10 - 49.9	7	
	50 - 99.9	9	
	100 - 499.9	11	
	500 - 1000	⑬	
	> 1000	15	
			<b>13</b>

<b>Chemical Hazard Method B</b>	<b>Quantity of Waste (Cubic meters or acres)</b>	<b>Waste Class</b>				
Unidentified Chemical(s)		D	C	B	A	
	<50      < 0.5	3	5	7	9	
	50 - 500    0.5 - 10	5	7	9	11	
	501 - 2,500    11 - 60	7	9	11	13	
	> 2,500      > 60	9	11	13	15	
						<b>0</b>

<b>Special Wastes</b>	Severely Toxic Waste = 15	<b>13</b>
-----------------------	---------------------------	-----------

<b>Total Possible Points</b> = 48	<b>Total Site Score</b>	<b>36</b>
-----------------------------------	-------------------------	-----------

Scored By Patrick Droze Date 04/20/2004

FIGURE 2  
SITE SCORING DOCUMENTATION SHEET

Site Name: Linden Road LF

A. Environmental Contamination Category:

SOILS: Confirmed Contamination. 6 points.  
LR-A3-08: Arsenic(26,800ppb),

GW: Confirmed Contamination. 6 points.  
MW-5S: Trichloroethylene(2,800ppb), MW-1S: cis-1,2-Dichloroethylene(166ppb), Vinyl  
chloride(51ppb),

SW: Potential Contamination. 1 point.

Air: None. 0 points.

B. Mobility Rating Category:

Hazardous substance in GW, SW, or Air. 5 points.

C. Sensitive Environmental Resource Category:

0 points:

D. Population Category:

1,001 or more persons per square mile, 4 points.  
1098/sqmi

E. Institutional Population Category:

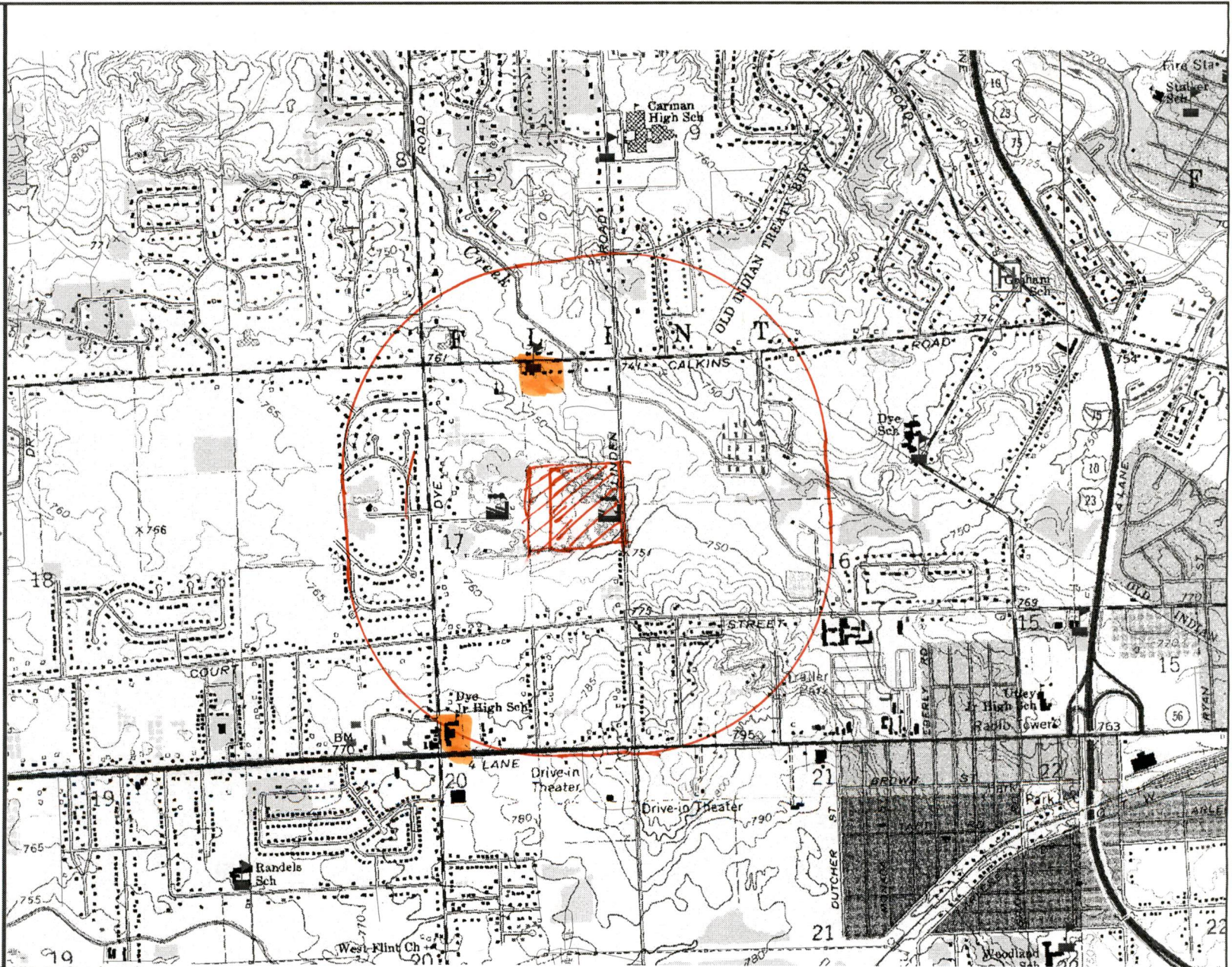
1 point.  
Questar Academy within .5 miles of site.

F. Chemical Hazard Category:

Method A: 2800 ppb Trichloroethylene, ratio = 560, 13 points.  
MW-5S: Trichloroethylene(2,800ppb) in groundwater

# Linden Road Landfill - Flint Twp., MI

- ▲ Schools
- ▩ SEC Environmental
- ▣ Hospitals
- State Road
- Road
- - Railroad
- Utility Line
- Pipeline
- Air Field
- Drain
- River
- County
- Minor Civil Division



Map scale equivalent to standard USGS 7.5 Minute Quadrangle

4/20/2004 1:47:30 PM

Map Scale: 1 inch = .379 Miles

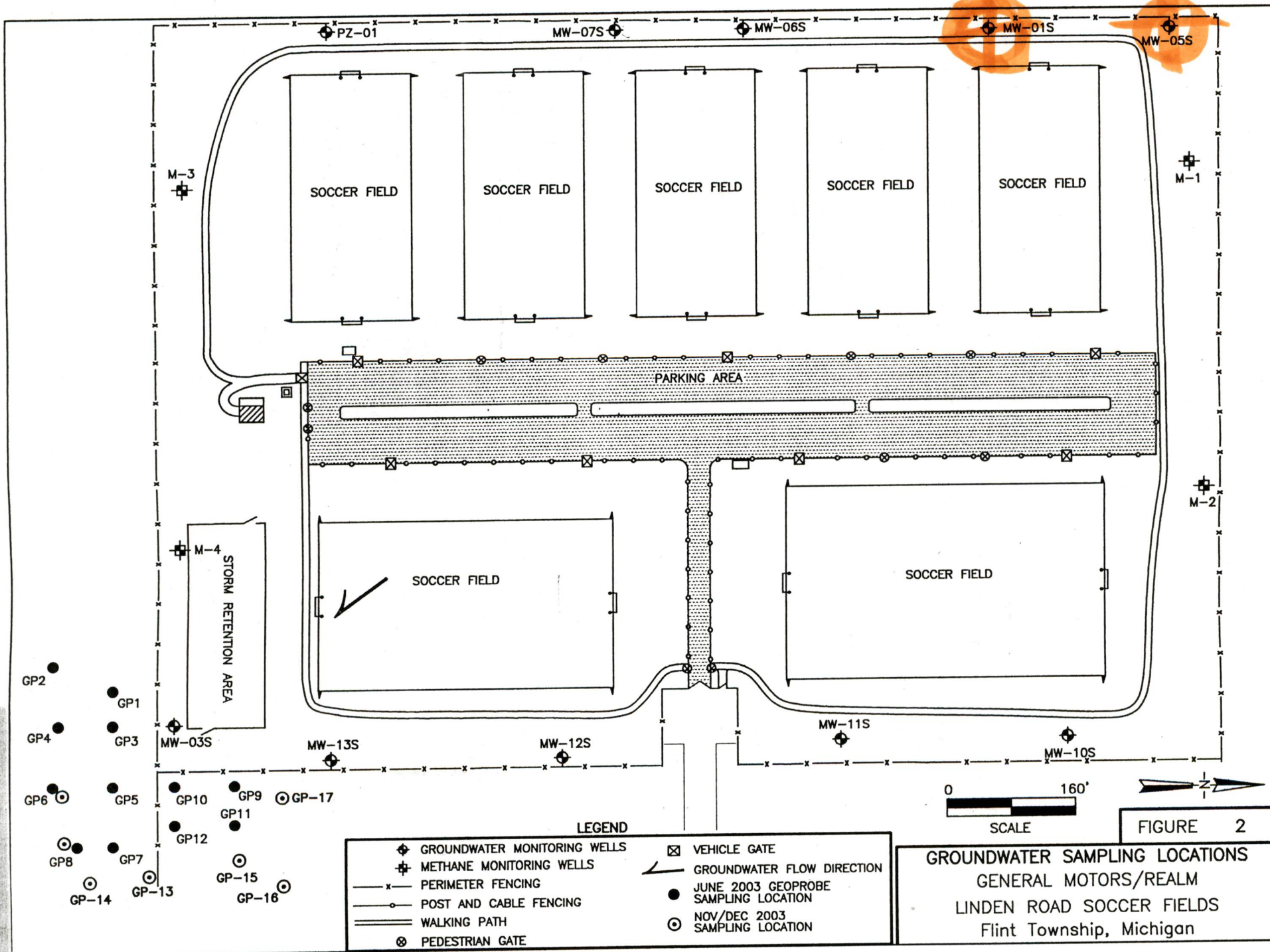


Table 1 (continued)  
 Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria  
 Groundwater Sample Analytical Results 1999 to Date  
 Linden Road Site

Sample Location	MW-5S	MW-5S	MW-5S	MW-5S DP	MW-5S	MW-5S	MW-5S DP	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-00	Oct-01	Oct-01	Oct-02	Nov-03	Nov-03	Oct-99	Oct-00	Oct-01	Oct-02	Nov-03	Oct-99	Oct-00	Oct-01	Oct-02	Nov-03	Residential	Industrial/ Commercial
<b>VOCs (mg/L)</b>																			
Benzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.005	0.005
Trichloroethene	---	1.16	0.36	0.38	0.28	2.52	2.8	---	---	---	---	---	---	---	---	---	dry	0.005	0.005
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.88	2.5
cis-1,2-Dichloroethene	---	0.09	0.09	0.09	0.06	0.04	0.04	---	---	---	---	---	---	---	---	---	dry	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.1	0.1
Toluene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.79	0.79
Vinyl chloride	---	---	0.02	0.03	0.06	---	---	---	---	---	---	---	0.02	---	---	---	dry	0.002	0.002
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	1	2.9
<b>SVOCs (mg/L)</b>																			
Bis(2-ethylhexyl)phthalate	0.03	---	---	---	---	---	---	---	---	---	---	---	0.02	---	---	---	dry	0.006	0.006
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	---	---
<b>Total Metals (mg/L)</b>																			
Arsenic	---	---	---	---	---	---	---	---	0.002	0.002	0.003	0.004	0.001	0.002	0.004	0.01	dry	0.05	0.05
Barium	0.011	0.14	0.16	0.16	0.16	0.11	0.11	0.002	0.02	0.03	0.04	0.03	0.06	0.02	0.02	0.02	dry	2	2
Cadmium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.005	0.005
Copper	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	1	1
Chromium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.1	0.1
Lead	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	dry	0.004	0.004
Zinc	0.03	---	---	---	---	---	---	0.06	0.02	0.02	0.029	0.034	0.02	---	0.01	---	dry	2.4	2.4

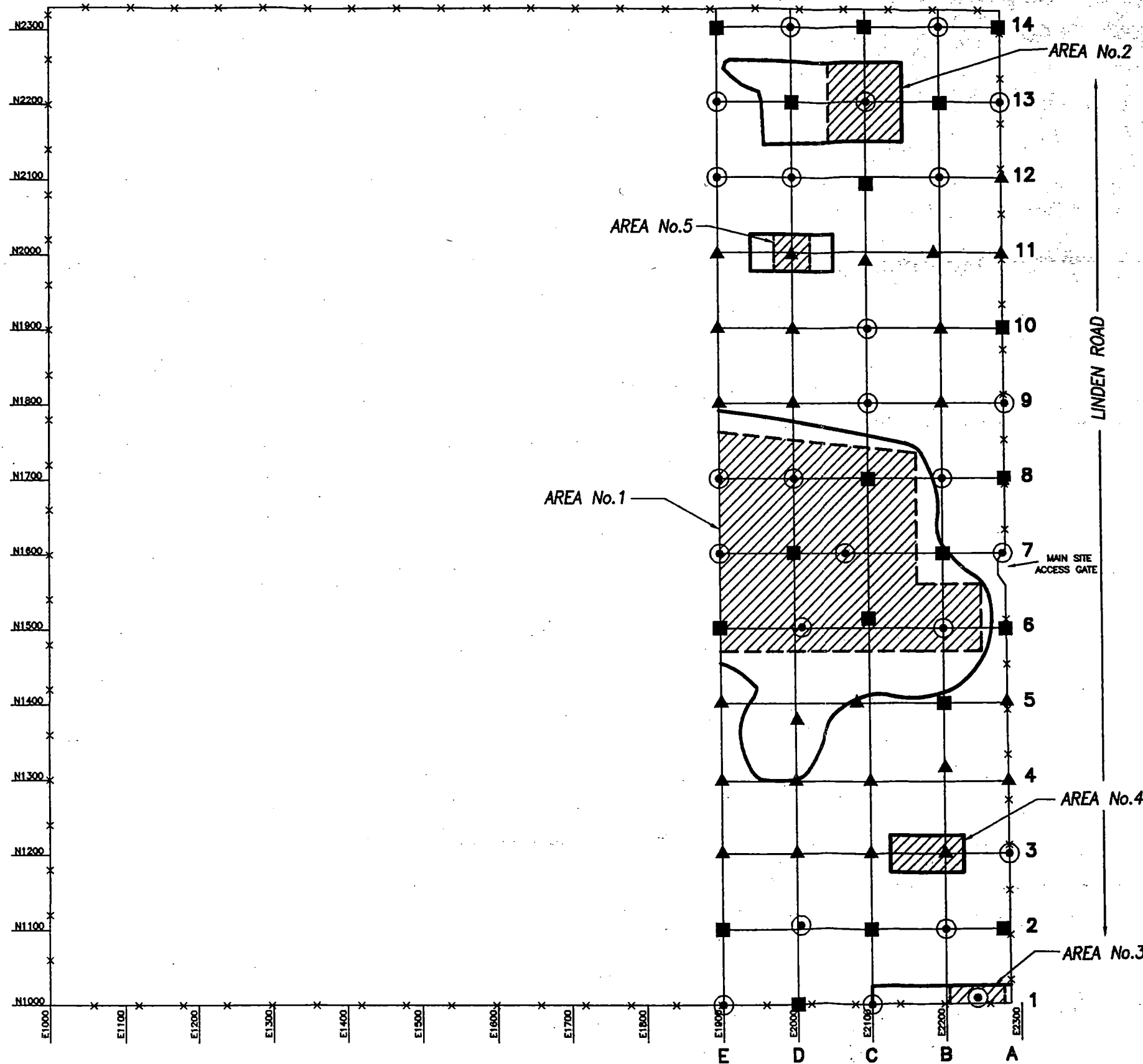
Notes:  
 --- Compound not detected above laboratory detection limit; or no criteria available.  
 na Compound not analyzed  
 Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria  
 DP Field quality control duplicate sample

Table 1  
 Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria  
 Groundwater Sample Analytical Results 1999 to Date  
 Linden Road Site

Sample Location	MW-1S	MW-1S	MW-1S DP	MW-1S	MW-1S	MW-1S DP	MW-1S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S DP	MW-3S	MW-3S DP	MW-3S	MW-3S	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-00	Oct-00	Oct-01	Oct-02	Oct-02	Nov-03	Oct-99	Oct-00	Oct-01	Feb-02	Feb-02	Jun-02	Jun-02	Oct-02	Nov-03	Residential	Industrial/ Commercial
<b>VOCs (mg/L)</b>																		
Benzene	0.002	---	---	---	0.001	0.001	---	---	---	---	---	---	---	---	---	---	0.005	0.005
Trichloroethene	0.087	0.06	0.07	0.08	0.066	0.071	0.058	0.001	---	---	---	---	---	---	---	---	0.005	0.005
1,1-Dichloroethane	---	---	---	---	---	---	---	0.006	0.017	0.021	0.011	0.012	0.014	0.015	0.012	0.005	0.88	2.5
cis-1,2-Dichloroethene	0.14	0.25	0.28	0.17	0.127	0.121	0.166	0.015	0.035	0.035	0.016	0.016	0.021	0.024	0.021	0.005	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	0.001	0.002	0.002	---	---	---	0.001	0.001	0.001	---	0.1
Toluene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.79	0.79
Vinyl chloride	0.054	---	---	0.02	0.116	0.107	0.051	---	---	0.023	0.013	0.014	0.023	0.024	0.019	0.005	0.002	0.002
1,3,5-Trimethylbenzene	---	0.02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2.9
<b>SVOCs (mg/L)</b>																		
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---	na	na	na	na	---	---	0.006	0.006
Bis(2-chloroisopropyl)ether	0.07	0.02	0.02	---	0.02	0.02	0.01	---	---	---	na	na	na	na	---	---	---	---
<b>Total Metals (mg/L)</b>																		
Arsenic	---	---	---	0.001	0.002	0.002	0.003	0.009	0.007	0.006	na	na	na	na	0.009	0.004	0.05	0.05
Barium	0.14	0.08	0.08	0.08	0.1	0.1	0.08	0.18	0.15	0.14	na	na	na	na	0.16	0.16	2	2
Cadmium	---	---	---	---	---	---	---	---	---	---	na	na	na	na	---	---	0.005	0.005
Copper	0.01	---	---	---	---	---	---	---	---	---	na	na	na	na	---	---	1	1
Chromium	---	---	---	---	---	---	---	0.03	---	---	na	na	na	na	0.005	---	0.1	0.1
Lead	---	---	---	---	---	---	---	---	---	---	na	na	na	na	---	---	0.004	0.004
Zinc	0.01	---	---	---	---	---	0.008	0.01	---	0.01	na	na	na	na	0.006	0.011	2.4	2.4

Notes:  
 --- Compound not detected above laboratory detection limit; or no criteria available.  
 na Compound not analyzed  
 Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria  
 DP Field quality control duplicate sample

HERNANDD-05/10/99-12:12-j:\CAD93\000\09097



**LEGEND**

- ⊙ SOIL BORING LOCATION
- AUGER PROBE LOCATION
- ▲ HAND AUGER LOCATION
- ▨ ORIGINALLY PROPOSED AREAS OF SOIL REMEDIATION
- APPROXIMATE BOUNDARIES OF AREAS REMEDIATED

FIGURE 1-3

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

SOIL REMEDIATION AREAS  
 LINDEN ROAD LANDFILL SITE  
 Flint, Michigan

Table 3-3

**Area 3 - Analytical Results of Verification Sampling  
Linden Road Site Parcels No. 2 and No. 3 Soil Remediation  
July/August 1998  
(mg/kg)**

Sample ID	Arsenic
LR-A3-01	5.45
LR-A3-02	0.63
LR-A3-03	0.65
LR-A3-04	1.47
LR-A3-05	2.13
LR-A3-06	7.19
LR-A3-06a	12.6
LR-A3-07	4.10
LR-A3-08	9.73
LR-A3-08a	26.8
LR-A3-09	4.22
LR-A3-10	12.3
LR-A3-10a	17.4
LR-A3-11	0.79
LR-A3-12	4.68
LR-A3-13	9.82
LR-A3-13a	9.01
LR-A3-14	21.6
LR-A3-14a	7.09
LR-A3-10-3	4.07
LR-A3-08-3	2.82
LR-A3-14-2	1.93

MDEQ Commerical Sub-Category I Direct Contact Criteria for Arsenic = 6.6 mg/kg.