THE SIGMA GROUP
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August 26, 2004

Project Reference #7376

Ms. Gina Keenan
Wisconsin Department of Natural Resources
Southeast Region Milwaukee Service Center
2300 N. Dr. Martin Luther King Drive
Milwaukee, WI 53212-0436

Re: **Work Plan Addendum C**
Summary of Preliminary Investigation Results & Additional Scope of Work
(Sewer Evaluation, Soil Sampling, and Cased Piezometers) with Estimated Costs
Former Bask Dry Cleaning, Westbrook Shopping Center
2136 East Moreland Boulevard, Waukesha, Wisconsin
BRR-DERP FID #268188800, BRRTS# 02-68-297669

Dear Ms. Keenan:

In compliance with ch. NR169.21 (2)(e) Wis. Adm. Code, this letter was prepared as the fifth addendum to the Wisconsin Department of Natural Resources (WDNR) - approved Sigma Environmental Services, Inc. (Sigma) August 28, 2001, work plan for subsurface investigation work at the Former Bask Dry Cleaning site (currently West Brook Shopping Center). Site investigation activities completed to date include the installation of soil borings, ten water table wells and one piezometer. Review of information from the recent installation of four perimeter monitoring wells and an additional round of sampling indicates the following:

- The horizontal extent of the release to groundwater is generally defined within the existing monitoring well network
- Concentrations in groundwater from monitoring well MW-5 (located approximately 90 feet hydraulically side gradient from the dry cleaner) are increasing.
- Groundwater flow appears to be north to northeast; therefore, there is apparently a source of drycleaner compounds upgradient from MW-5.

Depth to water elevations are presented on *Table 1*. Site features, monitoring well locations, groundwater flow direction, and detected concentrations in groundwater are presented on *Figure 1*.

Due to increasing concentrations of tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (DCE) at a monitoring well location that is not hydraulically downgradient from the former dry cleaner, it appears that there is a source area upgradient (south) from location MW-5. Further evaluation of this condition is necessary prior to completing additional approved investigation tasks (soil vapor sampling and installation of two piezometers). Identification of the source area and associated concentrations in soil will also be necessary to evaluate appropriate remedial action (if required).

Review of historical information indicates that there used to be a floor drain at the back (north) central area of the former dry cleaner building. During building renovations, a portion of the indoor floor slab was removed at the back of the store and the pipe (sanitary sewer) leading from the floor drain was deteriorated and in poor condition. The pipe extended west underneath what is now a Kohl's department store. The condition of the pipe beneath the Kohl's store was not known. PCE impacted soil was removed from the vicinity of the deteriorated sewer pipe and disposed. Detected concentrations of chlorinated compounds in the vicinity of this pipe (previous samples B-1 and GP-1, Table 2) only included PCE at relatively low concentrations possibly indicating that the main source of the release did not occur within the footprint of the building. Depth to groundwater in this area is approximately 20 feet below ground surface (bgs).

Building renovations included installing a new bathroom in the northeast corner of the store. The sanitary sewer for the new bathroom was connected to the pipe that extends beneath the Kohl's store. No historical or as built drawings could be located that indicate the path of the sanitary sewer beneath the Kohl's store. If there is a breech in the sanitary sewer upgradient from monitoring well MW-5, this could explain the increasing concentrations in MW-5 groundwater samples. The Kohl's department store building was previously an A&P food store which was not likely a source of PCE. When Kohl's renovated the food store, an addition was added on to the back of the food store. It is possible that a release could have occurred outside the food store and is now beneath the Kohl's addition. Also, the current floor slab is at loading dock level (approximately 4' above ground surface). The sanitary sewer that is presented on the existing figure is approximately 8 to 9 feet bgs.

Based on the above information, additional work will be necessary to accomplish the following objectives:

- Evaluate the location of the sanitary sewer beneath the Kohl's store,
- Evaluate the condition of the sewer between the former dry cleaner and upgradient from MW-5, and
- Evaluate soil quality in areas of a suspected breech in the sewer line and in areas upgradient (south) from MW-5 (especially behind the former food store at the former ground surface) where solvents may historically been stored or released prior to the Kohl's addition.

Proposed Additional Scope of Work

The scope of work necessary to address the above objectives includes the following activities:

- Evaluate the location and inspect the condition of the sanitary sewer using sewer cleaning and camera equipment.
- Collect additional soil samples at multiple depths from areas of suspected breeches in the sewer line, along the sewer line, and upgradient from MW-5.

Sewer Locating and Video Inspection

In order to evaluate the location and condition of the sanitary sewer beneath the Kohl's store, we recommend locating and inspecting the condition of the sewer using a sewer camera. Camera inspection would include removing the toilet in the former dry cleaner building and advancing a camera as far as possible to identify both the sewer location and condition. If inspection from this direction is limited by site conditions, the camera will also be inserted through outdoor sanitary sewer manholes or floor cleanouts. The camera can be advanced several hundred feet pending how many bends and other obstructions are present in the sewer pipe. Camera advancement may also be inhibited if solids and/or standing water are present in the sewer. It is common that cleaning/jetting the sewer is necessary to facilitate camera inspection. Unit prices were obtained for both sewer cleaning and video inspection and are included as *Attachment 1*. For cost estimating purposes it is assumed that ½ day of cleaning, and ½ day of video inspection will be completed.

Sewer locations and accessible and inaccessible site features (walls, storerooms, aisles, and display areas) inside Kohl's will be field measured and placed on the map to assist in determining appropriate soil sampling locations.

Soil Sampling

Following location and inspection of the sewer line, soil sampling will be completed at suspected breeches in the sewer line (where accessible). If breeches are not identified, soil sampling will be initiated upgradient from monitoring well MW-5 both outdoors and possibly indoors. All indoor soil sampling will be dependant on access agreements with Kohl's and may be limited by the current Kohl's store layout. Any indoor soil sampling will likely have to be conducted after hours which may require paying subcontractors overtime/premium after hours rates. Indoor soil sampling will be conducted using a limited access cart-mounted Geoprobe® because the indoor area will be too confined for a drill rig. Two soil samples will be collected from each boring. Sample depths will be from one of three horizons (just below sewer depth if a sewer breech is identified, just below original ground surface if underneath the new building addition, and one from the water table interface or as deep as the cart mounted probe will penetrate) depending on the rationale at that location. Two soil samples from each boring will be submitted for laboratory analysis of volatile organic compounds (VOCs, Method 8260).

For cost estimating purposes, it is assumed that 9 soil borings will be completed. Three will be completed outdoors using standard geoprobe equipment and approximately three to six more may be completed indoors pending the results of the sewer inspection and accessibility in the Kohl's store. Tentatively proposed sampling locations are presented on *Figure 2*. Bids for three outdoor borings with standard equipment and six indoor borings with a cart-mounted probe are included as *Attachment 1.*

Data Analysis and Reporting

Upon completion of the above tasks, additional sewers and inspected locations will be documented on the site map. Soil analytical data will be tabulated and added to the site investigation report and or remedial action plan as appropriate.

Modification of Piezometer Installation Procedure

In addition to the above tasks and in light of the higher PCE concentrations detected a MW-5, the methods originally proposed for piezometer installation (previously approved in the last scope of work) require modification. Casing the upper 25 to 30 feet of the piezometer borings is recommended to reduce dragging contaminants down and to prevent causing a conduit for sinking contaminants through a potential confining layer. Semi-confining geologic layers were observed at 26 to 32 feet bgs in borings MW-4 and PZ-1 and at 20 feet bgs in MW-5 (at the back of the building). If we locate a piezometer in the vicinity of MW-5 or other impacted areas to evaluate the vertical extent of the release, it will be necessary to install a casing in the upper contaminated zone and the drill the remainder of the boring through the casing. At the back of the building (a topographically high area), a 30' casing will be required.

Estimated Costs

Estimated costs for the above sewer evaluation and soil sampling tasks are provided as *Attachment 1*. Supporting subcontractor bids are also provided as backup for the estimated costs. The estimated cost to complete sewer evaluation is **$2,049**. Work plan development, bidding, access, soil sampling (two mobilizations using two different pieces of equipment with after hours indoor soil sampling) and data analysis is **$9,984**. The added cost for two 30' casings would be approximately **$4,027** dollars (the new low bid for cased piezometers $7,780 minus the original proposed cost $4078 from the last proposal spreadsheet and $325 in added labor for oversight during casing installation). Therefore the total requested amount for this scope of work is **$16,060.**

We will initiate evaluation of the sewer immediately upon receiving approval of the proposed scope of work. Soil sampling locations will be finalized following mapping and review of the sewer evaluation results. WDNR will be consulted and piezometer locations will be selected following review of the additional soil sampling data and identification of the source area. Please call with any questions.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.

Ross M. Creighton, P.G.
Project Hydrogeologist

Randy E. Boness, P.G.
Geo-sciences Group Leader

Attachments:

Figure 1 – Site Plan with Well Locations, Groundwater Elevations, and Water Quality Data
Figure 2 – Proposed Soil Boring Locations
Table 1 – Depth to Water Measurements
Table 2 – Soil Analytical Results
Table 3 – Groundwater Analytical Results
Attachment 1 - Cost Estimate and Supporting Bids

cc: Mr. Greg Butts – Realty Management Consultants, Inc.
Mr. Donald Gallo – Reinhart, Boerner, & Van Deuren S.C.

TABLES

Table 1
Groundwater Elevation
WBLP (Former Bask Dry Cleaner)
Waukesha, Wisconsin
Project Reference #7376

Well ID	Measurement Date	Ground Surface Elevation (ft. MSL)	Casing Elevation (ft. MSL)	Screen Interval (ft. MSL)	Depth to Water BTOC (ft.)	Groundwater Elevation (ft. MSL)
MW-1	05/16/2002	941.64	941.25	20-35'	26.20	915.05
	7/11/2002				26.44	914.81
	10/31/2002				26.72	914.53
	10/2/2003				27.89	913.36
	12/17/2003				28.13	913.12
	7/15/2004				27.23	914.02
MW-2	05/16/2002	942.41	942.07	20-35'	27.03	915.04
	7/11/2002				27.23	914.84
	10/31/2002				27.57	914.50
	10/2/2003				28.94	913.13
	12/17/2003				29.17	912.90
	7/15/2004				28.17	913.90
MW-3	05/16/2002	937.79	937.32	17-32'	22.86	914.46
	7/11/2002				23.16	914.16
	10/31/2002				23.52	913.80
	10/2/2003				24.69	912.63
	12/17/2003				24.83	912.49
	7/15/2004				23.73	913.59
MW-4	10/31/2002	932.33	931.89	20-30'	18.61	913.28
	10/2/2003				19.81	912.08
	12/17/2003				19.89	912.00
	7/15/2004				18.75	913.14
MW-5	9/8/2003	934.41	934.08	10-25'	21.46	912.62
	10/2/2003				21.56	912.52
	12/17/2003				21.68	912.40
	7/15/2004				20.50	913.58
MW-6	9/8/2003	925.91	925.65	5-20'	14.73	910.92
	10/2/2003				14.86	910.79
	12/17/2003				14.78	910.87
	7/15/2004				13.33	912.32
MW-7	7/15/2004		935.58	18-28	21.72	913.86
MW-8	7/15/2004		922.92	12-22	13.48	909.44
MW-9	7/15/2004		919.23	7-17	7.53	911.70
MW-10	7/15/2004		917.88	8-18	13.32	904.56
PZ-1	9/8/2003	932.32	931.82	40-45'	43.78	888.04
	10/2/2003				43.83	887.99
	12/17/2003				43.40	888.42
	7/15/2004				40.70	891.12

KEY:
ft. = feet
MSL = Mean Sea Level
NM = Not Measured
BTOC = Below Top of Casing

Table 2
Soil Analytical Results
WBLP (Former Bask Dry Cleaner)
Waukesha, Wisconsin
Project Reference #7376

Parameter	Units	Boring 1		Boring2	GP-1			GP-2		GP-3		GP-4			NR 746
Date		1/24/2002		1/24/2002	4/092002			4/09/2002		4/09/2002		4/09/2002			Table 1
Depth	Feet	1	7	1	4-6	10-12	18-19.5	4-6	18-20	2-4	14-16	2-4	6-8	16-18	RCL
Volatile Organic Compounds															
Carbon Tetrachloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorormethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Chlototoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Chlorotoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,4-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dichlorodifluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
1,1-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2,2-Tetrachlororethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Tetrachloroethene	µg/kg	**230**	**600**	**50**	**861**	**2590**	**391**	**340**	**232**	ND	**165**	**87.1**	**230**	**900**	NS
1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2,4-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichlorofluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl Chloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Xylenes	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42,000

notes:
µg/kg = micrograms per kilogram
ND = Not Detected
BOLD = Detected compounds
NA = Not Analyzed
NS = No Established Standard
NR 746 Table 1 = Indicators of Residual Petroleum Product in Soil Pores

Table 2
Soil Analytical Results
WBLP (Former Bask Dry Cleaner)
Waukesha, Wisconsin
Project Reference #7376

Parameter	Units	MW-1			MW-2			MW-3			MW-4			NR 746
Date		05/08/2002			05/08/2002			05/08/2002			10/23/02			Table 1
Depth	Feet	4-6	12-14	24-26	2-4	14-16	24-26	4-6	12-14	20-22	1-3	11-13	17-21	RCL
Volatile Organic Compounds														
Carbon Tetrachloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorormethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Chlototoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Chlorotoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,4-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dichlorodifluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
1,1-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2,2-Tetrachlororethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Tetrachloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**641**	**710**	NS
1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2,4-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichlorofluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl Chloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total xylenes	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42,000

notes:
µg/kg = micrograms per kilogram
ND = Not Detected
BOLD = Detected compounds
NA = Not Analyzed
NS = No Established Standard
NR 746 Table 1 = Indicators of Residual Petroleum Product in Soil Pores

Table 2
Soil Analytical Results
WBLP (Former Bask Dry Cleaner)
Waukesha, Wisconsin
Project Reference #7376

Parameter	Units	MW-5		MW-6		MW-7		MW-8		MW-9		MW-10		NR 746
Date		7/24/2003		7/24/2003		6/24/2004		6/24/2004		6/24/2004		6/24/2004		Table 1
Depth	Feet	14-16	18-20	6-8	12-14	1-3	19-21	1-3	9-11	1-3	7-9	1-3	7-9	RCL
Volatile Organic Compounds														
Carbon Tetrachloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorormethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Chlototoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Chlorotoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,4-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dichlorodifluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
1,1-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2,2-Tetrachlororethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Tetrachloroethene	µg/kg	**638**	**4470**	ND	**124**	ND	**74**	ND	ND	ND	ND	ND	ND	NS
1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2,4-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichlorofluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl Chloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total xylenes	µg/kg	ND	**30.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42,000

notes:
µg/kg = micrograms per kilogram
ND = Not Detected
BOLD = Detected compounds
NA = Not Analyzed
NS = No Established Standard
NR 746 Table 1 = Indicators of Residual Petroleum Product in Soil Pores

Table 3
Groundwater Analytical Results
WBLP (Former Bask Dry Cleaner)
Waukesha, Wisconsin
Project Reference #7376

Parameter	Units	MW-1					MW-2					NR 140	NR 140
Date		05/16/2002	7/11/2002	10/31/2002	12/17/2003	7/15/2004	05/16/2002	7/11/2002	10/31/2002	12/17/2003	7/15/2004	ES	PAL
Volatile Organic Compounds													
Carbon Tetrachloride	µg/1	<0.5	<0.5	<0.5	<0.592	<0.50	<0.5	<0.5	<0.5	<0.592	<0.50	5	0.5
Chlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<0.5	<0.5	<5.0	<0.20	NS	NS
Chloroethane	µg/l	<0.5	<0.5	<0.5	<5.0	<1.0	<0.5	<0.5	<0.5	<5.0	<1.0	400	80
Chloroform	µg/l	<0.140	<0.140	<0.140	<0.463	<0.20	<0.140	<0.140	<0.140	<0.463	<0.20	6	0.6
Chlorormethane	µg/l	<0.6	<0.6	<0.6	<0.920	<0.20	<0.6	<0.6	<0.6	<0.920	<0.20	3	0.3
2-Chlototoluene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<5.0	<0.50	NS	NS
4-Chlorotoluene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<0.5	<0.5	<5.0	<0.20	NS	NS
1,2-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<0.5	<0.5	<5.0	<0.20	600	60
1,3-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<0.5	<0.5	<5.0	<0.20	1250	125
1,4-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<0.5	<0.5	<5.0	<0.20	75	15
Dichlorodifluoromethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<5.0	<0.50	1000	200
1,1-Dichloroethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<5.0	<0.50	850	85
1,2-Dichloroethane	µg/l	<0.5	<0.5	<0.5	<0.240	<0.50	<0.5	<0.5	<0.5	<0.240	<0.50	5	0.5
1,1-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<0.414	<0.50	<0.5	<0.5	<0.5	<0.414	<0.50	7	0.7
cis-1,2-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<5.0	<0.50	70	7
trans-1,2-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<5.0	<0.50	100	20
1,1,2,2-Tetrachlororethane	µg/l	<0.350	<0.350	<0.350	<0.422	<0.20	<0.350	<0.350	<0.350	<0.422	<0.20	0.2	0.02
Tetrachloroethene	µg/l	<0.5	<0.5	<0.5	<0.479	<0.50	<0.5	<0.5	<0.5	<0.479	<0.50	5	0.5
1,2,3-Trichlorobenzene	µg/l	<2.0	<2.0	<2.0	<10.0	<0.25	<2.0	<2.0	<2.0	<10.0	<0.25	NS	NS
1,2,4-Trichlorobenzene	µg/l	<2.0	<2.0	<2.0	<10.0	<0.25	<2.0	<2.0	<2.0	<10.0	<0.25	70	14
1,1,1-Trichloroethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<5.0	<0.50	200	40
1,1,2-Trichloroethane	µg/l	<0.160	<0.160	<0.160	<0.347	<0.25	<0.160	<0.160	<0.160	<0.347	<0.25	5	0.5
Trichloroethene	µg/l	<0.5	<0.5	<0.5	<0.396	<0.20	<0.5	<0.5	<0.5	<0.396	<0.20	5	0.5
Trichlorofluoromethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<5.0	<0.50	NS	NS
Vinyl Chloride	µg/l	<0.170	<0.170	<0.170	<0.652	<0.20	<0.170	<0.170	<0.170	<0.652	<0.20	0.2	0.02
Natural Attenuation Paramters													
Chloride	mg/l	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methane	µg/l	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethene	ng/l	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethane	ng/l	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

µg/l = microgram per liter
NA = Not Analyzed
NS = No Standard
NR 140 = Wisconsin Administrative Code Chapter NR 140
ES = Enforcement Standard
PAL = Preventative Action Limit
BOLD = Concentration above ES
BOLD = Concentration above PAL

Table 3
Groundwater Analytical Results
WBLP (Former Bask Dry Cleaner)
Waukesha, Wisconsin
Project Reference #7376

Parameter	Units	MW-3					MW-4			MW-5			NR 140	NR 140
Date		05/16/2002	7/11/2002	10/31/2002	12/17/2003	7/15/2004	10/31/02	12/17/2003	7/15/2004	9/8/2003	21/17/03	7/15/2004	ES	PAL
Volatile Organic Compounds														
Carbon Tetrachloride	µg/1	<0.5	<0.5	<0.5	<0.592	<0.50	<0.5	<0.592	<0.50	<0.50	<0.592	<0.50	5	0.5
Chlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<5.0	<0.20	<0.50	<5.0	<0.20	NS	NS
Chloroethane	µg/l	<0.5	<0.5	<0.5	<5.0	<1.0	<0.5	<5.0	<1.0	<0.50	<5.0	<1.0	400	80
Chloroform	µg/l	<0.140	<0.140	<0.140	<0.463	<0.20	<0.140	<0.463	<0.20	<0.140	<0.463	<0.20	6	0.6
Chlorormethane	µg/l	<0.6	<0.6	<0.6	<0.920	<0.20	<0.6	<0.920	<0.20	<0.6	<0.920	<0.20	3	0.3
2-Chlototoluene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<5.0	<0.50	<0.5	<5.0	<0.50	NS	NS
4-Chlorotoluene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<5.0	<0.20	<0.5	<5.0	<0.20	NS	NS
1,2-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<5.0	<0.20	<0.50	<5.0	<0.20	600	60
1,3-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<5.0	<0.20	<0.50	<5.0	<0.20	1250	125
1,4-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.20	<0.5	<5.0	<0.20	<0.50	<5.0	<0.20	75	15
Dichlorodifluoromethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<5.0	<0.50	<0.50	<5.0	<0.50	1000	200
1,1-Dichloroethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<5.0	<0.50	<0.50	<5.0	<0.50	850	85
1,2-Dichloroethane	µg/l	<0.5	<0.5	<0.5	<0.240	<0.50	<0.5	<0.240	<0.50	<0.50	<0.240	<0.50	5	0.5
1,1-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<0.414	<0.50	<0.5	<0.414	<0.50	<0.50	<0.414	<0.50	7	0.7
cis-1,2-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<5.0	1.7	**164**	**200**	**580**	70	7
trans-1,2-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<5.0	<0.50	3.01	<5.0	14	100	20
1,1,2,2-Tetrachlororethane	µg/l	<0.350	<0.350	<0.350	<0.422	<0.20	<0.350	<0.422	<0.20	<0.350	<0.422	<0.20	0.2	0.02
Tetrachloroethene	µg/l	<0.5	<0.5	**0.599**	**10.3**	**0.88**	**19.9**	**4.83**	**3**	**517**	**1180**	**3100**	5	0.5
1,2,3-Trichlorobenzene	µg/l	<2.0	<2.0	<2.0	<10.0	<0.25	<2.0	<10.0	<0.25	<2.0	<10.0	<0.25	NS	NS
1,2,4-Trichlorobenzene	µg/l	<2.0	<2.0	<2.0	<10.0	<0.25	<2.0	<10.0	<0.25	<2.0	<10.0	<0.25	70	14
1,1,1-Trichloroethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<5.0	<0.50	<0.50	<5.0	<0.50	200	40
1,1,2-Trichloroethane	µg/l	<0.160	<0.160	<0.160	<0.347	<0.25	<0.160	<0.347	<0.25	<0.160	<0.347	<0.25	5	0.5
Trichloroethene	µg/l	<0.5	<0.5	<0.5	<0.396	<0.20	<0.5	<0.396	<0.20	**14.1**	**27.7**	**42**	5	0.5
Trichlorofluoromethane	µg/l	<0.5	<0.5	<0.5	<5.0	<0.50	<0.5	<5.0	<0.50	<0.50	<5.0	<0.50	NS	NS
Vinyl Chloride	µg/l	<0.170	<0.170	<0.170	<0.652	<0.20	<0.170	<0.652	<0.20	<0.170	<0.652	<0.20	0.2	0.02
Natural Attenuation Paramters														
Chloride	mg/l	NS	NS	NS	NS	1810	NS	NS	NS	NS	NS	1530	NS	NS
Methane	µg/l	NS	NS	NS	NS	2.2	NS	NS	NS	NS	NS	1.8	NS	NS
Ethene	ng/l	NS	NS	NS	NS	6	NS	NS	NS	NS	NS	14	NS	NS
Ethane	ng/l	NS	NS	NS	NS	<5.0	NS	NS	NS	NS	NS	8.9	NS	NS

Notes:

µg/l = microgram per liter
NA = Not Analyzed
NS = No Standard
NR 140 = Wisconsin Administrative Code Chapter NR 140
ES = Enforcement Standard
PAL = Preventative Action Limit
BOLD = Concentration above ES
BOLD = Concentration above PAL

Table 3
Groundwater Analytical Results
WBLP (Former Bask Dry Cleaner)
Waukesha, Wisconsin
Project Reference #7376

Parameter	Units	MW-6			MW-7	MW-8	MW-9	MW-10	PZ-1			NR 140	NR 140
Date		9/8/2003	12/17/2003	7/15/2004	7/15/2004	7/15/2004	7/15/2004	7/15/2004	9/8/2003	12/17/2003	7/15/2004	ES	PAL
Volatile Organic Compounds													
Carbon Tetrachloride	µg/1	<0.50	<0.592	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.592	<0.50	5	0.5
Chlorobenzene	µg/l	<0.50	<5.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<5.0	<0.20	NS	NS
Chloroethane	µg/l	<0.50	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<1.0	400	80
Chloroform	µg/l	<0.140	<0.463	<0.20	<0.20	<0.20	<0.20	<0.20	<0.140	<0.463	<0.20	6	0.6
Chlorormethane	µg/l	<0.60	<0.920	<0.20	<0.20	<0.20	**0.36**	<0.20	<0.60	<0.920	<0.20	3	0.3
2-Chlototoluene	µg/l	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	NS	NS
4-Chlorotoluene	µg/l	<0.50	<5.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<5.0	<0.20	NS	NS
1,2-Dichlorobenzene	µg/l	<0.50	<5.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<5.0	<0.20	600	60
1,3-Dichlorobenzene	µg/l	<0.50	<5.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<5.0	<0.20	1250	125
1,4-Dichlorobenzene	µg/l	<0.50	<5.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<5.0	<0.20	75	15
Dichlorodifluoromethane	µg/l	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	1000	200
1,1-Dichloroethane	µg/l	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	850	85
1,2-Dichloroethane	µg/l	<0.50	<0.240	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.240	<0.50	5	0.5
1,1-Dichloroethene	µg/l	<0.50	<0.414	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.414	<0.50	7	0.7
cis-1,2-Dichloroethene	µg/l	**10.5**	**13**	**7.1**	3.4	<0.50	<0.50	0.95	<0.50	<5.0	<0.50	70	7
trans-1,2-Dichloroethene	µg/l	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	100	20
1,1,2,2-Tetrachlororethane	µg/l	<0.350	<0.422	<0.20	<0.20	<0.20	<0.20	<0.20	<0.350	<0.422	<0.20	0.2	0.02
Tetrachloroethene	µg/l	**215**	**197**	**65**	**35**	<0.50	<0.50	**9.1**	**12.3**	**1.85**	<0.50	5	0.5
1,2,3-Trichlorobenzene	µg/l	<2.0	<10.0	<0.25	<0.25	<0.25	<0.25	<0.25	<2.0	<10.0	<0.25	NS	NS
1,2,4-Trichlorobenzene	µg/l	<2.0	<10.0	<0.25	<0.25	<0.25	<0.25	<0.25	<2.0	<10.0	<0.25	70	14
1,1,1-Trichloroethane	µg/l	<0.50	<5.0	<0.50	<0.50	<0.50	0.71	<0.50	<0.50	<5.0	<0.50	200	40
1,1,2-Trichloroethane	µg/l	<0.160	<0.347	<0.25	<0.25	<0.25	<0.25	<0.25	<0.160	<0.347	<0.25	5	0.5
Trichloroethene	µg/l	**2.9**	**2.57**	**1.9**	**5.4**	<0.20	<0.20	**0.27**	<0.50	<0.396	<0.20	5	0.5
Trichlorofluoromethane	µg/l	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	NS	NS
Vinyl Chloride	µg/l	<0.170	<0.652	<0.20	<0.20	<0.20	<0.20	<0.20	<0.170	<0.652	<0.20	0.2	0.02
Natural Attenuation Paramters													
Chloride	mg/l	NS	NS	1250	NS	NS	NS	100	NS	NS	NS	NS	NS
Methane	µg/l	NS	NS	1.5	NS	NS	NS	1.3	NS	NS	NS	NS	NS
Ethene	ng/l	NS	NS	6.7	NS	NS	NS	11	NS	NS	NS	NS	NS
Ethane	ng/l	NS	NS	<5.0	NS	NS	NS	<5.0	NS	NS	NS	NS	NS

Notes:

µg/l = microgram per liter
NA = Not Analyzed
NS = No Standard
NR 140 = Wisconsin Administrative Code Chapter NR 140
ES = Enforcement Standard
PAL = Preventative Action Limit
BOLD = Concentration above ES
BOLD = Concentration above PAL

FIGURES

7376-015 F1 GWQM-082604.plt, plotted 8/26/04

MW-10	
DATE	7/04
PCE	9.1
TCE	0.27

MW-8	
DATE	7/04
PCE	ND
TCE	ND

LEGEND

- SV = PROPOSED SOIL VAPOR PROBE
- MW = PROPOSED MONITORING WELL LOCATION
- SB = SOIL BORING LOCATION
- GP = GEOPROBE BORING LOCATION
- MW = MONITORING WELL LOCATION
- MH = MANHOLE
- CB = CATCH BASIN
- UP = UTILITY POLE
- = LIGHT POLE
- V = UTILITY VALVE
- G = UNDERGROUND GAS LINE
- W = UNDERGROUND WATER LINE
- T = UNDERGROUND TELEPHONE LINE
- E = UNDERGROUND ELECTRIC LINE
- OE = OVERHEAD ELECTRIC LINE
- ST = UNDERGROUND STORM SEWER LINE
- SAN = UNDERGROUND SANITARY SEWER LINE
- PCE = TETRACHLOROETHENE
- TCE = TRICHLOROETHENE
- DCE = CIS-1.2 DICHLOROETHENE
- ND = NONE DETECTED
- 913.58 = GROUND WATER ELEVATION
- = GROUND WATER FLOW DIRECTION

MW-10 904.56
1' FROM BACK OF CURB
SUNNYSIDE DR.
60'
90°
MH
SAN
G
GRASS
CONC. WALK
RESIDENCE 2011 CAPELLA CT.
RESIDENCE 2007 CAPELLA CT.
85'
MW-8 909.44
1' FROM BACK OF CURB
CAPELLA CT.
RESIDENCE 2008 CAPELLA CT.
ASPHALT
8'
SV
MW-6 912.32
35'
WATER VALVE
PH
RESIDENCE 2003 CAPELLA CT. BUILDING & DRIVE NOT SURVEYED
RESIDENCE 2004 CAPELLA CT. BUILDING & DRIVE NOT SURVEYED
RESIDENCE 2000 CAPELLA CT. BUILDING & DRIVE NOT SURVEYED
SPRINGDALE ROAD
GRASS MEDIAN
41'
MW-9 911.70

MW-6			
DATE	9/03	12/03	7/04
PCE	215	197	65
TCE	2.9	2.5	1.9

MW-9	
DATE	7/04
PCE	ND
TCE	ND

PZ-1			
DATE	9/03	12/03	7/04
PCE	12.3	10.3	ND
TCE		ND	ND

MW-7 913.86
MW-5 913.58
MW-4 913.14
PZ-1
GV
UP
ASPHALT

MW-7	
DATE	7/04
PCE	35
TCE	5.4

MW-4			
DATE	10/02	12/03	7/04
PCE	19.9	4.8	3.0

MW-5			
DATE	9/03	12/03	7/04
PCE	517	1180	3100
TCE	14.1	27.7	42
DCE	164	200	580

FORMER FLOOR DRAIN AND SANITARY SEWER?
KOHL's DEPARTMENT STORE BUILDING
ELEC. METER
GAS METER
913.59 MW-3
8" BOLLARD (TYP.)
COMMERCIAL PROPERTY
RAISED CONC.
GP-2
B-1
GP-1
GP-4
B-3
B-2
GP-3
FORMER BASK DRY CLEANERS
LAUNDROMAT
PAYLESS SHOE SOURCE
COMMERCIAL PROPERTY

MW-3			
DATE	10/02	12/03	7/04
PCE	0.59	10.3	0.88
TCE	ND	ND	ND

CANOPY
914.02 MW-1
CONC. EDGE
CANOPY
WATER VALVE
MW-2 913.90
CB
COLUMN (TYP.)
CONC. WALK
RELATIVE STATION (SE BUILDING CORNER)
N: 5000.00
E: 5000.00
EXISTING NORTH CURB LINE
279.09
ASPH. EDGE
METAL LIGHT POLE
E. MORELAND BLVD. (U.S. HWY. "18")

SITE BENCHMARK
METAL LIGHT POLE
W/ CONC. BASE
ELEV. = 943.40

GRAPHIC SCALE
0' 25' 50' 100'

NOTES:
1. SITE FEATURES BASED ON SURVEY DATED 6-18-02, BY LAND INFORMATION SERVICES, INC.
2. SPRINGDALE ROAD, BORINGS, STORM AND SANITARY SEWERS NOT INCLUDED IN SURVEY.

FORMER BASK DRY CLEANERS

E. MORELAND BLVD., WAUKESHA, WI

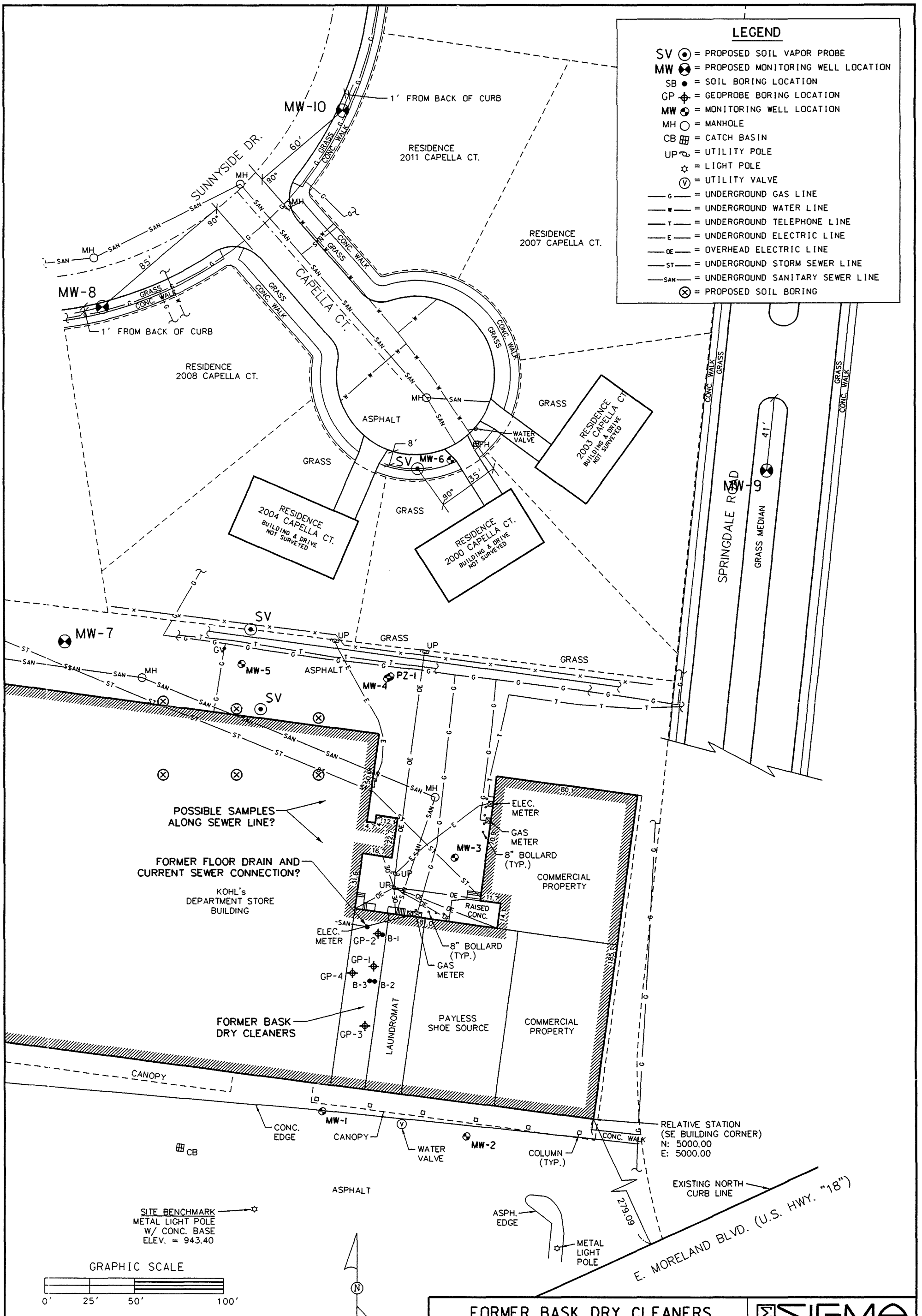
SIGMA ENVIRONMENTAL SERVICES INC.

DATE: 8-26-04 | DR. BY: BEB | DR.# 7376-015 | SCALE: 1" = 50'

GROUNDWATER QUALITY AND FLOW DIRECTION MAP

FIGURE 1

7376-015 F2 SAMP-082604.plt, plotted 8/26/04



NOTES:
1. SITE FEATURES BASED ON SURVEY DATED 6-18-02, BY LAND INFORMATION SERVICES, INC.
2. SPRINGDALE ROAD, BORINGS, STORM AND SANITARY SEWERS NOT INCLUDED IN SURVEY.

FORMER BASK DRY CLEANERS E. MORELAND BLVD., WAUKESHA, WI			ΣSIGMA ENVIRONMENTAL SERVICES INC.
DATE: 8-26-04	DR. BY: BEB	DR.# 7376-015	SCALE: 1" = 50'
PROPOSED SAMPLE LOCATION MAP			FIGURE 2

ATTACHMENT 1

COST ESTIMATE FOR ADDITIONAL WORK
AND
SUBCONTRACTOR BIDS

WBLP (Former Bask Dry Cleaner)
Cost Estimate for Additional Investigation Activities
West Brook Limited Partnership - West Brook Shopping Center
Former Bask Drycleaner Site
Waukesha, WI
Project Reference #7376

Task	Consulting Costs: Total Labor Costs	Consulting Costs: Equipment & Expenses	Commodity Services: Sub-Contracting Expenses	Commodity Services: Analytical Expenses	Total Cost
1 **General - Pre- Drilling Tasks**					
Work Plan Addendum Prep	$860				$860
	$0				$0
Access agreements for proposed soil borings	$0				$0
Diggers and mark locations at site	$65				$65
	$0				$0
	$0				$0
Subtotal Task 1	$925	$0	$0	$0	$925
2 **Sewer Cleaning**	$0				$0
Field Supervision	$260	$50			$310
Mapping (field and CADD)	$455				$455
Camera Inspection (4 hrs)	$0		$664		$664
Sewer Cleaning (4 hrs)	$0		$588		$588
Toilet removal / replacement	$0		$32		$32
	$0				$0
	$715	$50	$1,284	$0	$2,049
3 **Subsurface Investigation**					
Project Coordination	$285				$285
Install 3 geoprob borings outdoors	$550		$923	$360	$1,833
Install 3 to 6 geoprobe borings indoors (cart mounted probe+after hour	$680		$2,618	$720	$4,018
	$0				$0
Locate indoor borings, negotiate access w/kohls	$380				$380
	$0				$0
	$0				$0
Site Survey/ Field measurements	$195				$195
Soil Disposal (11 drums @ $90 + 135 pick up)	$113		$1,125		$1,238
	$0				$0
Boring log forms	$260				$260
Piezometer Casings (2-30', 10-inch diameter casings)	$325		$3,702		$4,027
Subtotal Task 3	$2,788	$0	$8,368	$1,080	$12,236
4 **Data Evlauation/Project Coordination/Correspondance RP & w/WDNR**					
Data Evaluation	$450				$450
Data tabulation,	$210				$210
	$0				$0
Correspondance	$190				$190
Subtotal Task 3	$850	$0	$0	$0	$850
Proposed Sigma Consulting Costs					$5,328
Proposed Commodity Services Costs					$10,732
Total Proposed Project Costs for Completion of Proposed Investigation Work					$16,060

THE SIGMA GROUP
SIGMA ENVIRONMENTAL SERVICES, INC.
SIGMA DEVELOPMENT, INC.
SIGMA LEASING, INC.

1300 West Canal Street
Milwaukee, WI 53233
414-643-4200
FAX: 414-643-4210
www.thesigmagroup.com

FACSIMILE TRANSMITTAL

To: Kenway	From: Ross Creighton
Organization: Kenway Sewer and Drain Cleaning	Date: 2/20/04
Fax Number: 384-9980	Total number of pages including cover: 2
Phone Number:384-7050	Project Number: 7376

RE: Sewer Video/Cleaning Quote – WBLP (former Bask Dry Cleaner), Waukesha, WI

☐ Urgent ☐ For review ☐ Please comment ☒ Please reply

Notes / Comments:

Attached is a bid for sewer video/cleaning services at a site in Waukesha, WI. that we previously discussed.

Our goal is to video and determine the location, path and condition of approximately 250 feet of sanitary sewer extending from a floor drain in a shopping center/strip mall to a sanitary sewer manhole. The majority of the sewer will be beneath the floor of the stores. Exact diameters of the sewers are not known at this time but are likely 3 to 6 inches. Please note diameter limitations of your camera on the bid form.

Please call me at 414-463-4120 with any questions and return your bid by fax to 414-643-4210.

Thanks

Ross Creighton

This is a bid on sewer project
3-3-04

SIGMA ENVIRONMENTAL SERVICES, INC.
1300 W. Canal Street
Milwaukee, WI 53233
414-643-4200 phone, 643-4210 fax
Sigma Project # 7376

SEWER VIDEO/CLEANING BID FORM
We are required to obtain a written bid on this project prior to initiating the work. Unit price quotes (per hour or per foot) are required.

PROJECT INFORMATION

Location:	Waukesha, WI – Westbrook Shopping Center,
Sevice Requested:	Video sanitary sewer to identify condition, suspected breech, and general location/path. Clean/Jet if necessary to facilitate video.
Access Points:	Floor drain in former drycleaner Manhole behind the shopping center/strip mall.
Path :	Unknown, however it extends beneath a Kohl's store, likely bends one or more times and exits to a manhole behind the store.
Bends/Turns:	Some – unknown

BID INFORMATION - Unit Costs/Rates:

Camera/Video Equipment and Crew
Mobilization $ 84.00
One Half Day (4hrs.) $ 145.00 P.H $580
Hourly thereafter $ 126 P.H.

Cleaning/Jetting Equipment: (Only if needed to facilitate video)
Mobilization $ 84 ANY Lids or Caps - XTRA
One Half Day (4hrs.) $ 126.00 x 4 = 504
Hourly thereafter $ 126.00

Limitations: Pipe diameter, angle of or number of bends, camera cable length ect.

Explain: Can T.V. Lines up to 24" Large - 3" small
Cable 300 ft 3-6 - 45° Angle
Can do Long Sweep 90° Elbows

Any Additional Hourly or Daily Rates or Fees: For Pumper if Needed to Flush or Pump Any Debris in MANHOLES $96.00 PH.

Total - Assume Five Hour Project w/1-hr cleaning: $ 740.00

Signature: Ken Dugato Date: 3-4-04

Title: Owner Company: Kenway Services Inc

To: Ross Creighton

SIGMA ENVIRONMENTAL SERVICES, INC.
1300 W. Canal Street
Milwaukee, WI 53233
414-643-4200 phone, 643-4210 fax
Sigma Project # 7376

SEWER VIDEO/CLEANING BID FORM
We are required to obtain a written bid on this project prior to initiating the work. Unit price quotes (per hour or per foot) are required.

PROJECT INFORMATION

Location:	Waukesha, WI – Westbrook Shopping Center,
Sevice Requested:	Video sanitary sewer to identify condition, suspected breech, and general location/path. Clean/Jet if necessary to facilitate video.
Access Points:	Floor drain in former drycleaner Manhole behind the shopping center/strip mall.
Path :	Unknown, however it extends beneath a Kohl's store, likely bends one or more times and exits to a manhole behind the store.
Bends/Turns:	Some – unknown

BID INFORMATION - Unit Costs/Rates:

Camera/Video Equipment and Crew

Mobilization	$ 155.00
One Half Day (4hrs.)	$ 625.00 ÷4=156.25
Hourly thereafter	$ 155.00

Cleaning/Jetting Equipment: (Only if needed to facilitate video)

Mobilization	$ 40.00
One Half Day (4hrs.)	$ 160.00
Hourly thereafter	$ 40.00

Limitations: Pipe diameter, angle of or number of bends, camera cable length ect.

Explain:
Min Pipe Dia – 3"
No of Bends depends on Pipe material + size
200' of Camera Cable – up to 1500' can be used if line can be "Strung"

Any Additional Hourly or Daily Rates or Fees: _____

Total - Assume Five Hour Project w/1-hr cleaning: $ 1050.00

Signature: _____ Date: 2/20/2004

Title: Sales Manager Company: Visu-Sewer

Controlling the Flow
Since 1958
Dillett Plumbing Co.
design install service

August 9, 2004

Sigma Environmental Services, Inc.
Attention: Mr. Ross Creighton
1300 W. Canal St.
Milwaukee, WI 53233

Reference: Sigma Project #7376

Dear Mr. Creighton:

Dillett Plumbing Co. is pleased to submit this proposal to you for the referenced project.

We propose to furnish equipment and labor to survey sanitary sewer line(s) according to your request for bid, dated August 5, 2004. Our pricing is written on the bid request form and attached to this letter.

This following points help clarify our bid and to provide some information on our approach to doing the survey:

1. A floor drain trap can be an obstacle for a video camera; the camera length may not allow passage through the trap and the sediment in the trap may cover the lens of the camera.
2. An alternative to going through the floor drain would be to pull-up a toilet and enter the sewer through the waste line. One would expect that there is a toilet in the tenant space.
3. Occasionally sewer lines settle and this provides a trap where water can accumulate. Video cameras are not able to function under water, effectively.
4. While bends in the sewer line cause friction on a camera or cable, the number of bends that would limit the pushing of the camera is difficult to determine.
5. Roughness of the inside of the sewer line, particularly if the sewer line is cast iron pipe, can greatly inhibit the limit that the camera is able to be pushed. Sometimes, scouring with a root-cutting knife on a sewer cleaning machine can greatly improve the roughness condition. Jetting is also helpful in some instances.
6. One would expect to find one or more cleanout/access points in a 250' length of sewer line.

Thank you for the opportunity to provide this proposal to you. Please call me for any clarification you may need.

Sincerely,

Jim Dillett,
Dillett Plumbing Co.

3526 Rapids Trail • Waukesha, WI 53189 • 262-524-1525 • Fax 262-524-1524

SIGMA ENVIRONMENTAL SERVICES, INC.
1300 W. Canal Street
Milwaukee, WI 53233
414-643-4200 phone, 643-4210 fax
Sigma Project # 7376

SEWER VIDEO/CLEANING BID FORM
We are required to obtain a written bid on this project prior to initiating the work. Unit price quotes (per hour or per foot) are required.

PROJECT INFORMATION

Location:	Waukesha, WI – Westbrook Shopping Center,
Sevice Requested:	Video sanitary sewer to identify condition, suspected breech, and general location/path. Clean/Jet if necessary to facilitate video.
Access Points:	Floor drain in former drycleaner Manhole behind the shopping center/strip mall.
Path :	Unknown, however it extends beneath a Kohl's store, likely bends one or more times and exits to a manhole behind the store.
Bends/Turns:	Some – unknown

BID INFORMATION - Unit Costs/Rates:

Camera/Video Equipment and Crew
Mobilization $ #150.00
One Half Day (4hrs.) $ $565.00
Hourly thereafter $ $140.00

Cleaning/Jetting Equipment: (Only if needed to facilitate video)
Mobilization $ 150.00
One Half Day (4hrs.) $ 565.00
Hourly thereafter $ 140.00

Limitations: Pipe diameter, angle of or number of bends, camera cable length ect.

Explain: PIPE DIAMETER MINIMUM = 3". ROUGHNESS OF PIPE IS PRIMARY LIMITER BUT THE CAMERA CABLE LENGTH IS 300'. NORMALLY A CAMERA IS NOT ABLE TO PASS THROUGH A FLOOR DRAIN/TRAP. (SEE ATTACHED LETTER)

Any Additional Hourly or Daily Rates or Fees: NONE - VIDEO RECORD IS INCLUDED.

Total - Assume Five Hour Project w/1-hr cleaning: $ 850.00

Signature: James E. Dillett Date: 8/9/04

Title: Partner Company: DILLETT PLUMBING CO.

SOILS & ENGINEERING SERVICES, INC.
CONSULTING CIVIL ENGINEERS SINCE 1966

FACSIMILE COVER SHEET

NUMBER OF PAGE(S) 2 *(including this cover sheet)*

SES PROJECT NUMBER 913.1137

DATE: August 24, 2004

TO: Facsimile Number (414) 643-4211
Phone Number (414) 643-4200
Company The Sigma Group
Attention Ross Creighton

FROM: Duane E. Reichel, P.E. *Reviewed By:*

SUBJECT: Proposal for Environmental Drilling
Former Bask Dry Cleaners

MESSAGE: Ross - Enclosed is the completed bid form that you requested. We will use our CME 95 drilling rig to drill with the 12¼-inch ID augers. We propose to use steel 10 inch diameter casing to 30 feet. The drilling will be completed to 60 feet using 4¼-inch ID augers.

Please call me at (888) 866-7645 if you have any questions regarding this submittal.

We are:

☐ Sending original in mail ■ Sending by FAX only ■ Sending as requested

If you do not receive all pages, please call (608) 274-7600

COMPLETE THE FOLLOWING AFTER DOCUMENT IS SENT

FACSIMILE sent by (initials): _____ At (Time) : _____

1102 STEWART ST. • MADISON, WI 53713-4648 • PHONE: 608-274-7600 • 888-866-SOIL (7645) • FAX: 608-274-7511 • EMAIL: ses@frontiernet.net

SIGMA

SIGMA ENVIRONMENTAL SERVICES, INC.

REQUEST FOR COST ESTIMATE - DRILLING SERVICES

Sigma Project Number: 7376
Project Manager: Ross Crichton
Phone No. (414) 643-4200 Extension: 420
Fax No. (414) 643-4210

Cost Estimate Required by: ASAP
Anticipated Start Date: Sept-Oct 2004
Project Location: Waukesha, WI

Note: The below unit costs will be honored for one calendar year starting on the date of the first mobilization. All bids will follow fax requests/response with a signed hard copy to be considered.

Project summary/conditions: Install two 60' deep cased piezometers using HSAs. Install 10-inch casing 0-30', grout into place
12¼ Augers 0-30', 4¼ Augers 30-60'

Responsible for utility clearance:
- [X] Sigma
- [ ] Drilling Contractor
- [ ] Other

Water provided by:
- [ ] Sigma
- [X] Drilling Contractor
- [ ] Other

Electric provided by:
- [ ] Sigma
- [X] Drilling Contractor
- [ ] Other

Drilling method:
- [ ] Geoprobe
- [X] Hollow Stem Auger
- [ ] Air Rotary
- [ ] Mud Rotary

Sampling interval:
- [X] Continuous - 20-60'
- [ ] 2 1/2 feet
- [X] Other 5', 0-20'

Drilling surface: Asphalt

Estimated depth to groundwater: 15-20'

Task	Unit	Unit Price	Quantity	Total Cost
Mobilization/Demobilization	Lump sum	$ 350	1	$ 350
Borehole Construction	foot	$ 40	120	$ 4,800
Borehole Abandonment	foot	$ 8	0	$ 0
Well Installation (includes well supplies)	foot	$ 12	120	$ 1440
Well Protective Covers				
☐ Flush Mount	each	$ 150	2	$ 300
☐ Above Ground	each	$ 100	0	$ 0
Decon/Steam Cleaning	Lump sum	$ 250	1	$ 250
55-Gallon Drums	drum	$ 40	16	$ 640
Visqueen	rolls	$ 65	0	$ 0
Traffic Control	hour	$ 120	0	$ 0
		$		$
SUBTOTALS		$		$
TOTAL PROJECT BID				$ 7,7580.00

QUOTE # 913,1137

Eugene E Reichel — Corporate Secretary
Signature — Title

Soils & Engineering Services, Inc. — 8/24/04
Company — Date

Drilling Contractor warrants and represents that at all times while providing services under this Agreement, it shall maintain general liability coverage including, pollution impairment liability coverage of no less then $1,000,000 per claim; $1,000,000 annual aggregate and a deductible of no more than $100,000 per claim. The insurance coverage shall be provided by a firm that has an A.M. Best rating of at least "A-".

Drilling Contractor shall notify (Consultant) immediately if the insurance coverage required in Paragraph 1 above is interrupted, suspended, lapsed or terminated for any reason.

Drilling Contractor shall indemnify Consultant or (Owner) for all drilling costs determined to be ineligible for PECFA reimbursement by the PECFA staff due to Contractor's failure to maintain the insurance coverage required in Paragraph 1 above.

All drilling equipment will be decontaminated before arrival on-site.

BADGER STATE DRILLING CO., INC.

360 BUSINESS PARK CIRCLE
STOUGHTON, WI. 53589-3395
PHONE (608)877-9770
Fax (608)877-9771
Website: badgerstatedrilling.com / E-mail: bsd@chorus.net

IMPORTANT FAX TRANSMISSION

NUMBER OF PAGES INCLUDING COVER PAGE: 2 DATE: 8/17/04

TIME: 8:15

TO: Ross Creighton

FROM: Mark Garwick

MESSAGE:

Cased Piezometer Bid

SIGMA

SIGMA ENVIRONMENTAL SERVICES, INC.

REQUEST FOR COST ESTIMATE - DRILLING SERVICES

Sigma Project Number: 7376
Project Manager: Ross Creighton
Phone No. (414) 643-4200 Extension: 4120
Fax No. (414) 643-4210

Cost Estimate Required by: ASAP
Anticipated Start Date: Sept-Oct 2004
Project Location: Waukesha, WI

Note: The below unit costs will be honored for one calendar year starting on the date of the first mobilization. All bids will follow fax requests/response with a signed hard copy to be considered.

Project summary/conditions: Install two 60' deep cased piezometers using HSAs. Install 10-inch casing 0-30', grout into place
12¼ Augers 0-30', 4¼ Augers 30-60'

Responsible for utility clearance:
- ☒ Sigma
- ☐ Drilling Contractor
- ☐ Other

Water provided by:
- ☐ Sigma
- ☒ Drilling Contractor
- ☐ Other

Electric provided by:
- ☐ Sigma
- ☒ Drilling Contractor
- ☐ Other

Drilling method:
- ☐ Geoprobe
- ☒ Hollow Stem Auger
- ☐ Air Rotary
- ☐ Mud Rotary

Sampling interval:
- ☒ Continuous - 20-60'
- ☐ 2 1/2 feet
- ☒ Other 5', 0-20'

Drilling surface: Asphalt

Estimated depth to groundwater: 15-20'

Task	Unit	Unit Price	Quantity	Total Cost
Mobilization/Demobilization	Lump sum	$ 675.00	1	$ 675.00
Borehole Construction 12¼ HSA	foot	$ 46.00	60	$ 2760.00
Borehole Abandonment	foot	$ 10.00		$
Well Installation (Includes well supplies)	foot	$ 12.00	120	$ 1440.00
Well Protective Covers				
☐ Flush Mount	each	$ 150.00	2	$ 300.00
☐ Above Ground	each	$		$
Decon/Steam Cleaning	Lump sum	$ 175.00	1	$ 175.00
55-Gallon Drums	drum	$ 40.00		$
Visqueen 10" B/K Pipe	rolls	$ 52.00	60'	$ 3120.00
Traffic Control Drill w/4¼ HSA		$ 12.00	60'	$ 720.00
		$		$
SUBTOTALS		$		$
TOTAL PROJECT BID				$ 9190.00

QUOTE #

Signature Title: President

Company: Badger State Drilling, Inc. Date: 8/17/04

Drilling Contractor warrants and represents that at all times while providing services under this Agreement, it shall maintain general liability coverage including, pollution impairment liability coverage of no less than $1,000,000 per claim; $1,000,000 annual aggregate and a deductible of no more than $100,000 per claim. The insurance coverage shall be provided by a firm that has an A.M. Best rating of at least "A-".

Drilling Contractor shall notify (Consultant) immediately if the insurance coverage required in Paragraph 1 above is interrupted, suspended, lapsed or terminated for any reason.

Drilling Contractor shall indemnify Consultant or (Owner) for all drilling costs determined to be ineligible for PECFA reimbursement by the PECFA staff due to Contractor's failure to maintain the insurance coverage required in Paragraph 1 above.

All drilling equipment will be decontaminated before arrival on-site.

SIGMA ENVIRONMENTAL SERVICES, INC.

REQUEST FOR COST ESTIMATE - DRILLING SERVICES

Sigma Project Number: 7376
Project Manager: Ross Creighton
Phone No. (414) 643-4200 Extension: 4120
Fax No. (414) 643-4210

Cost Estimate Required by: ASAP
Anticipated Start Date: Sept-Oct 2004
Project Location: Waukesha, WI

Note: The below unit costs will be honored for one calendar year starting on the date of the first mobilization. All bids will follow fax requests/response with a signed hard copy to be considered.

Project summary/conditions: Install two 60' deep cased piezometers using HSAs. Install 10-inch casing 0-30', grout into place
12/4 Augers 0-30', 4/4 Augers 30-60'

Responsible for utility clearance:
- [X] Sigma
- [ ] Drilling Contractor
- [ ] Other

Water provided by:
- [ ] Sigma
- [X] Drilling Contractor
- [ ] Other

Electric provided by:
- [ ] Sigma
- [X] Drilling Contractor
- [ ] Other

Drilling method:
- [ ] Geoprobe
- [X] Hollow Stem Auger
- [ ] Air Rotary
- [ ] Mud Rotary

Sampling interval:
- [X] Continuous - 20-60'
- [ ] 2 1/2 feet
- [X] Other 5', 0-20'

Drilling surface: Asphalt

Estimated depth to groundwater: 15-20'

Task	Unit	Unit Price	Quantity	Total Cost
Mobilization/Demobilization	Lump sum	$ 900	1	$ 900
Borehole Construction	foot	$ 59	100	$ 7080
Borehole Abandonment	foot	$ 0	7	$ 0
Well Installation (includes well supplies)	foot	$ 14	120	$ 1680
Well Protective Covers				
☐ Flush Mount	each	$ 2	175	$ 350
☐ Above Ground	each	$ 0	150	$ 0
Decon/Steam Cleaning	Lump sum	$ 1	500	$ 500
55-Gallon Drums	drum	$ 40	12	$ 480
Visqueen	rolls	$ 100	? ? ?	$ 0
Traffic Control		$ NA	NA	$ NA
		$		$
SUBTOTALS		$		$
TOTAL PROJECT BID				$ 10,990

QUOTE #

Signature: [signature] Title: District mgr

Company: Boart Longyear Date: 8-17-04

Drilling Contractor warrants and represents that at all times while providing services under this Agreement, it shall maintain general liability coverage including, pollution impairment liability coverage of no less than $1,000,000 per claim; $1,000,000 annual aggregate and a deductible of no greater

Post-it® Fax Note 7671 | Date 8-17 | # of pages ▶ 1

To Ross Creighton	From Ron Trankler
Co./Dept. Sigma	Co. Boart Longyear
Phone #	Phone # 715.359.7040
Fax # 414.643.4210	Fax # 715.355.5715

PROBE TECHNOLOGIES, INC.

FACSIMILE TRANSMITTAL SHEET

TO: ROSS CREIGHTON	FROM: DAN BENDORF
COMPANY: SIGMA	DATE: 8/19/04
FAX NUMBER: 414-643-4210	TOTAL NO. OF PAGES INCLUDING COVER: 3
PHONE NUMBER: 643-4200	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

W1225 SOUTH SHORE DR.
PALMYRA, WI 53156
(262) 495-2319 FAX (262) 495-2349

SIGMA ENVIRONMENTAL SERVICES, INC.

REQUEST FOR COST ESTIMATE - DRILLING SERVICES

Sigma Project Number: 7376
Project Manager: Ross Creighton
Phone No. (414) 643-4200 Extension: 4120
Fax No. (414) 643-4210

Cost Estimate Required by: ASAP
Anticipated Start Date: Oct-Nov, 2004
Project Location: Waukesha, WI

Note: The below unit costs will be honored for one calendar year starting on the date of the first mobilization. All bids will follow fax requests/response with a signed hard copy to be considered.

Project summary/conditions: Three Geoprobe Borings, 24' depth, accessible to pickup truck, outdoors, soil sampling only.

Responsible for utility clearance:
- [X] Sigma
- [ ] Drilling Contractor
- [ ] Other

Water provided by:
- [ ] Sigma
- [ ] Drilling Contractor
- [X] Other At site

Electric provided by:
- [ ] Sigma
- [X] Drilling Contractor
- [ ] Other

Drilling method:
- [X] Geoprobe
- [ ] Hollow Stem Auger
- [ ] Air Rotary
- [ ] Mud Rotary

Sampling interval:
- [X] Continuous
- [ ] 2 1/2 feet
- [ ] Other

Drilling surface: Asphalt

Estimated depth to groundwater: 21'

Task	Unit	Unit Price	Quantity	Total Cost
(X) Mobilization/Demobilization	Lump sum	$ NC		$ —
Borehole Construction	foot	$ 8.00	72 ft	$ 576
Borehole Abandonment	foot	$ 1.00	72 ft	$ 72
Well Installation (includes well supplies)	foot	$ —		$
Well Protective Covers				
☐ Flush Mount	each	$ —		$
☐ Above Ground	each	$ —		$
Decon/Steam Cleaning	Lump sum	$ 75.00		$ 75
55-Gallon Drums	drum	$ —		$
Visqueen	rolls	$ —		$
Traffic Control		$ —		$
		$		$
SUBTOTALS		$		$
TOTAL PROJECT BID				$ 723 +200 mobe = 923

QUOTE # _____

[signature] Signature — PRES Title

PEOPLE TECHNOLOGIES Company — 8/19/04 Date

Drilling Contractor warrants and represents that at all times while providing services under this Agreement, it shall maintain general liability coverage including, pollution impairment liability coverage of no less than $1,000,000 per claim; $1,000,000 annual aggregate and a deductible of no more than $100,000 per claim. The insurance coverage shall be provided by a firm that has an A.M. Best rating of at least "A-".

Drilling Contractor shall notify (Consultant) immediately if the insurance coverage required in Paragraph 1 above is interrupted, suspended, lapsed or terminated for any reason.

Drilling Contractor shall indemnify Consultant or (Owner) for all drilling costs determined to be ineligible for PECFA reimbursement by the PECFA staff due to Contractor's failure to maintain the insurance coverage required in Paragraph 1 above.

All drilling equipment will be decontaminated before arrival onsite.

(X) NO CHARGE FOR MOB IF DONE WITH INSIDE WORK.

SIGMA ENVIRONMENTAL SERVICES, INC. 1300 W. Canal Street Milwaukee, WI 53233

REQUEST FOR COST ESTIMATE - DRILLING SERVICES

Sigma Project Number: 7376
Project Manager: Ross Creighton
Phone No. (414) 643-4200 Extension: 4120
Fax No. (414) 643-4210

Cost Estimate Required by: ASAP
Anticipated Start Date: Oct - Nov, 2004
Project Location: Waukesha, WI.

Note: The below unit costs will be honored for one calendar year starting on the date of the first mobilization. All bids will follow fax requests/response with a signed hard copy to be considered.

Project summary/conditions: Six Geoprobe borings, 26' depth, Cart-mounted geoprobe inside a retail store, Soil sampling only.
It is understood that depth may be limited by equipment & site conditions

Responsible for utility clearance:
- [X] Sigma
- [ ] Drilling Contractor
- [ ] Other

Water provided by:
- [ ] Sigma
- [ ] Drilling Contractor
- [X] Other At site

Electric provided by:
- [ ] Sigma
- [X] Drilling Contractor
- [ ] Other

Drilling method: Cart-Mounted
- [X] Geoprobe
- [ ] Hollow Stem Auger
- [ ] Air Rotary
- [ ] Mud Rotary

Sampling interval:
- [X] Continuous
- [ ] 2 1/2 feet
- [ ] Other

Drilling surface: Concrete

Estimated depth to groundwater: 25'

Task	Unit	Unit Price	Quantity	Total Cost
Mobilization/Demobilization	Lump sum	$ 200.00		$ 200
Borehole Construction	foot	$ 12.00	156 ft	$ 1,872
Borehole Abandonment	foot	$ 1.00	156 ft	$ 156
~~Well Installation (includes Well supplies)~~	foot	$		$
~~Well Protective Covers~~				
☐ Flush Mount	each	$		$
☐ Above Ground	each	$		$
Decon/Steam Cleaning	Lump sum	$ 150.00		$ 150
55-Gallon Drums	drum	$ 50.00		$
Visqueen	rolls	$ —		$
Traffic Control		$ —		$
Premium for "after hours" drilling	HR.	$ 30.00		$
SUBTOTALS		$		$
TOTAL PROJECT BID				$ 2,378. +8hrs premium #30 = 240 #2618

QUOTE # _____

Signature _____ Title PRES.

Company PROBE TECHNOLOGIES Date 8/19/04

Drilling Contractor warrants and represents that at all times while providing services under this Agreement, it shall maintain general liability coverage including, pollution impairment liability coverage of no less than $1,000,000 per claim; $1,000,000 annual aggregate and a deductible of no more than $100,000 per claim. The insurance coverage shall be provided by a firm that has an A.M. Best rating of at least "A-".

Drilling Contractor shall notify (Consultant) immediately if the insurance coverage required in Paragraph 1 above is interrupted, suspended, lapsed or terminated for any reason.

Drilling Contractor shall indemnify Consultant or (Owner) for all drilling costs determined to be ineligible for PECFA reimbursement by the PECFA staff due to Contractor's failure to maintain the insurance coverage required in Paragraph 1 above.

All drilling equipment will be decontaminated before arrival on-site.

P.O. BOX 665
Lemont, IL 60439
Phone: 800.590.9800
Fax: 888.852.7606

C.S. Drilling

Fax

To:	Foss Creighton	**From:**	Gerry Butkus
Company	Sigma Environmental	**Email:**	gbutkus@comcast.net
Fax:	414.643.4210	**Date:**	8/17/04
Phone:	414.643.4200	**Pages**	3
Email:		**RE:**	

☐ **Urgent** X **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments:

C.S. DRILLING INC.

P.O. Box 565
Lemont, IL 60439
1-800-590-9800

Estimate

DATE	ESTIMATE #
8/17/2004	280

NAME / ADDRESS
Sigma Environmental Services-280

PROJECT

DESCRIPTION	QTY	COST	TOTAL
Site Location: Waukesha, WI Scope of Work: 3-24' Geoprobe Borings			
5 Hour Minimum	5	115.00	575.00
4' Sample Liners	18	4.50	81.00
Asphalt Bags	1	8.00	8.00
Bentonite Bags	2	12.00	24.00
Mobilization		300.00	300.00
		TOTAL	$988.00

C.S. DRILLING INC.

P.O. Box 565
Lemont, IL 60439
1-800-590-9800

Estimate

DATE	ESTIMATE #
8/17/2004	281

NAME / ADDRESS
Sigma Environmental Services-281

PROJECT

DESCRIPTION	QTY	COST	TOTAL
Site Location: Waukesha, WI Scope of Work: 6-26' Geoprobe Borings w/Cart			
Day of Drilling	1	920.00	920.00
5 Hour Minimum - 2nd Day	5	115.00	575.00
4' Sample Liners	42	4.50	189.00
Concrete Cores /Cuts <=10"	6	45.00	270.00
Bentonite Bags	3	12.00	36.00
Concrete Bags	2	8.00	16.00
Overnight Perdiem	1	150.00	150.00
Mobilization		300.00	300.00
Phone Conv 8-26-04 $45/hr premium for "after hours drilling" 8 hrs x 45 = $360			
		TOTAL	$2,456.00

$360 after hours
$2816

Fax Cover Sheet

Fax to #: 414-643-4210 **Phone #** 414-643-4200

To: Ross Creighton

Company: Sigma Group

From: Craig Schiffman

Cover Page Plus 2 **Pages Following** **Date:** 8-18-04

Message:

Ross:

Here are the proposals for the 2 sites in Waukesha. Your Cost Estimate Sheet did not have some of the line items we usually incorporate into our proposals so I am faxing you one of ours. For the indoor borings we bid for 2 days of drilling as a safety net. If the job can be done in one day, we will only charge for one day of drilling and one after hours drilling premium cost. So, there is potential that the indoor job could be drilled for substantially less than proposed.

Call if you have questions.

Thank you,

Craig Schiffman

GeoServe Inc.
3119 S. Route 31, Unit C
Crystal Lake, Illinois 60012
Phone (815) 477-0049
Fax (815) 477-0050

August 18, 2004

PROPOSAL

Mr. Ross Creighton
The Sigma Group
1300 West Canal Street
Milwaukee, WI 53233

RE: (6) Soil Borings to 26'
WBLP
Waukesha, WI

Dear Mr. Creighton:

Thank you for your interest in GeoServe, Inc. as a subcontractor. The following proposal is prepared per your request received via facsimile on 08-17-04.

Units	Description	Unit Cost	Total Cost
1	Mobilization/Demobilization	$300.00	$300.00
2	Daily Rates Direct Push Sampling	$920.00	$1,840.00
39	MacroCore Sampler Liners	$5.00	$195.00
2	Premiums for After Hours Drilling	$400.00/per night	$800.00
1	Concrete Coring Charge	$150.00	$150.00
1	Backfill, Patching and Decontamination Charge	$100.00	$100.00
	TOTAL PROJECT ESTIMATE		**$3,385.00**

Thank you for the opportunity to prepare this proposal. The proposed estimate has provided for a payment term of net 30 days. By signing this proposal, you agree to the term. If you have any questions, or need any additional information, please call my office or 815-482-8995.

Sincerely,

P.S.

Philip M. Palsgrove
President

Accepted By:

Name & Title

GeoServe Inc.
3119 S. Route 31, Unit C
Crystal Lake, Illinois 60012
Phone (815) 477-0049
Fax (815) 477-0050

August 18, 2004

PROPOSAL

Mr. Ross Creighton
The Sigma Group
1300 West Canal Street
Milwaukee, WI 53233

RE: (3) Soil Borings to 24'
WBLP
Waukesha, WI

Dear Mr. Creighton:

Thank you for your interest in GeoServe, Inc. as a subcontractor. The following proposal is prepared per your request received via facsimile on 08-17-04.

Units	Description	Unit Cost	Total Cost
1	Mobilization/Demobilization	$250.00	$250.00
1	Daily Rate Direct Push Sampling	$920.00	$920.00
18	MacroCore Sampler Liners	$5.00	$90.00
1	Backfill, Patching and Decontamination Charge	$75.00	$75.00
	TOTAL PROJECT ESTIMATE		**$1,335.00**

Thank you for the opportunity to prepare this proposal. The proposed estimate has provided for a payment term of net 30 days. By signing this proposal, you agree to the term. If you have any questions, or need any additional information, please call my office or 815-482-8995.

Sincerely,

Phil Palsgrove CS

Philip M. Palsgrove
President

Accepted By:

Name & Title