

220 East Ryan Road Oak Creek, WI 53154-4533 414-768-7144 FAX: 414-768-7158

December 31, 2002

Project Reference #7376

Ms. Gina Keenan Wisconsin Department of Natural Resources Southeast Region Milwaukee Service Center 2300 N. Dr. ML King Drive PO Box 12436 Milwaukee, WI 53212-0436

Re: WORK PLAN ADDENDUM Westbrook Shopping Center 2136 E. Moreland Blvd. Waukesha, WI BRR-DERP FID #268488800

Dear Ms. Keenan:

In compliance with ch. NR169.21 (2)(e) Wis. Adm. Code, this letter has been prepared as an 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 West Brook Shopping Center. Sigma has implemented and completed the following: 1) the installation and sampling of four Geoprobe soil borings within the on-site structure to 20 feet below ground surface (bgs) with continuous sampling, 2) the advancement of four hollow stem soil borings with continuous soil sample collection and the completion of the four borings as ch. NR141 Wis. Adm. Code compliant groundwater monitoring wells, 3) well development, 4) site survey, 5) soil and groundwater disposal, and 6) the collection of up to three rounds of groundwater monitoring. Based on a review of the analytical data generated, tetrachloroethene was detected on-site in soil samples [up to 2,590 micrograms per kilograms] and groundwater samples [up to 19.9 micrograms per liter] at elevated levels. Considering the location of the detected contamination with respect to the property lines and the direction of groundwater flow (north northwest), a potential exists that impacts have migrated off-site (see attached analytical data and figures presented as Attachment 1).

In an attempt to meet the requirements of Chapter NR 716 Wis. Adm. Code and delineate the extent of identified impacts, Sigma recommends the installation of two additional monitoring wells and the completion of two rounds of groundwater monitoring for the entire monitoring well network. Two select soil samples from each boring will be submitted for laboratory analysis of EPA Method 8021 or 8260 Volatile Organic Compounds (VOCs). Upon completion of soil boring/well installation activities, each of the wells will be properly developed and the entire monitoring well network sampled for EPA Method 8021 or 8260 VOCs. All proposed wells would be tied into the site survey to assist in groundwater flow calculations and the

# Work Plan Addendum WBLP

3

delineation of the extent of impacts. All site data generated will be included in a comprehensive site investigation report.

The scope of work and associated costs to complete the above referenced activities and delineate the extent of identified impacts are anticipated to exceed the original proposed scope of work and cost by more than \$3,000. Presented as Attachment 2 to this letter is a breakout of anticipated additional and total project site investigation costs. Please note, Sigma has identified a discrepancy between original proposed project costs (\$18,665) and the WDNR cost total (\$25,065) approved in the WDNR March 25, 2002 letter (see Attachment 3). We believe this discrepancy is due to a typo. Considering the current project status and total project costs incurred to date (\$18,228) Sigma has proceeded with the assumption that \$18,665 is the correct approved total.

To assist your evaluation and approval of the requested additional project costs, Sigma would like to provide the following additional breakdown and clarification of tasks completed and costs incurred to date.

#### Original Scope of Work

The original scope of work was based on limited site information and generally consisted of: 1) work plan preparation and submittal to WDNR, 2) the installation of five "15" foot soil borings/monitoring wells, 3) a site survey, and 4) "one" round of well sampling. *Costs projected and approved for these tasks was \$12,660.* Additionally as part of the original proposal, Sigma proposed the completion of a comprehensive site investigation remedial action option report for *\$6,005.* 

Site activities completed are as follows: 1) the installation of four geoprobe soil borings within the on-site structure to depth of approximately 20 feet including soil sample collection [geoprobe soil borings were installed within the on-site structure due to limited access to potential source areas (former dry cleaning machine locations) utilizing conventional hollow stem soil boring techniques], 2) the installation of three groundwater monitoring wells to 30 feet [the additional depth of the monitoring well (30 feet vs. the proposed 15 feet) was required to reach the groundwater table, 3) the installation of one additional groundwater monitoring well to approximately 25 feet bgs (the fourth monitoring well was installed based on the evaluation of data including groundwater flow direction collected from the three existing monitoring wells and in an attempt to adequately delineate the extent of impacts to soil and groundwater), 4) the completion of a site survey, and 5) the collection of up to three rounds of groundwater monitoring samples (up to three rounds of groundwater monitoring were completed to establish groundwater quality conditions in the initial three wells and the additional fourth well, to confirm low level and no detection levels of analytes, and to verify groundwater flow direction). Costs for the completion of these tasks totaled approximately \$18,000. It is important to note, due to not having delineated identified contaminants in accordance with ch. NR700-736 Wis. Adm. Code and the completion of additional site activities not presented in the original scope of work (geoprobe borings to evaluate source areas, deeper wells, additional groundwater monitoring and soil sample collection), Sigma has not completed the site investigation report as referenced above.

# Work Plan Addendum WBLP

### Proposed Additional Scope of Work

Utilizing existing site data, Sigma has recommended the following additional site activities generally consisting of: 1) work plan preparation, 2) establishing off-site access for well installation, 3) the installation of two additional groundwater monitoring wells to approximately 25 feet, 4) the collection of two complete rounds of groundwater monitoring data from the entire monitoring well network, and 5) the completion of a limited addendum site survey. *Estimated costs for the completion of these tasks totals \$10,113*. Upon completion of the above referenced additional tasks, Sigma has recommended the compilation of all site environmental data generated for this project into a comprehensive site investigation and remedial action option report as required under NR 700-736 and NR 169 for a cost of *\$3,820. The total proposed change order cost is \$13,933.* It is Sigma's opinion, that the costs presented under the original scope of work and additional scope of work are consistent with each other, with site conditions encountered, and tasks performed.

Upon your review of the attached information should you have any questions, please contact our office at (414) 768-7144.

Respectfully submitted,

SIGMA ENVIRONMENTAL SERVICES, INC.

James M. Westerman, CHMM Senior Project Manager

Randy E. Boness, P.G.

Geo-sciences Group Leader

#### Attachment

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

1 f v r f

# ATTACHMENT 1

Parameter	Units	Bori	ng 1	Boring2		GP-1		GF	P-2	GF	2-3		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
olatile Organic Compounds															
Carbon Tetrachloride	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorobenzene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroethane	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroform	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorormethane	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Chlototoluene	µg/kg	<25	<25	<25	ND	ND	ND	ND :	ND	ND	ND	ND	ND	ND	NS
I-Chlorotoluene	µg/kg	<25	<25	<25	ND	ND	ND ·	ND	ND	ND	ND	ND	ND	ND	NS
,2-Dichlorobenzene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
,3-Dichlorobenzene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,4-Dichlorobenzene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dichlorodifluoromethane	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethane	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND .	ND	ND	NS
1,2-Dichloroethane	µg/kg	<25	<25	· <25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
I,1-Dichloroethene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,2-Dichloroethene	µg/kg	<25	<25	<25	ND	ND	ND .	ND	ND	ND	ND	ND	ND	ND	NS
rans-1,2-Dichloroethene	µg/kg	<25	<25	<25	ND	ND	ND	ND .	ND	ND	ND	ND	ND	ND	NS
1,1,2,2-Tetrachlororethane	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
fetrachloroethene	µg/kg	230	600	50	861	2590	391	340	232	ND	165	87.1	230	900	NS
1,2,3-Trichlorobenzene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2,4-Trichlorobenzene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1-Trichloroethane	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2-Trichloroethane	µg/kg	<25	<25	<25	ND	ND	ND	. ND	ND	ND	ND	ND	ND	ND	NS
Trichloroethene	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Frichlorofluoromethane	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl Chloride	µg/kg	<25	<25	<25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS

Lable 24.7

notes:

µg/kg = micrograms per kilogram

ND = Not Detected

BOLD = Detected compounds

NS = No Established Standard

NR 746 Table 1 = Indicators of Residual Petroleum Product in Soil Pores

42.50 但 大学生学生学生学生学生学生	於這些領亞				Reference in the second	Reference!#	(376. 法运行号		<b>新生产的</b> 相比	的成為自然的	论语言作言	<b>带来常常的</b>	<b>新新学校和</b> 学	Are Center
arameter	Units		MW-1			MW-2			MW-3			MW-4		NR 746
Dale			05/08/2002			05/08/2002			05/08/2002			10/23/02		Table
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
olatile 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
-Chlototoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
l-Chlorotoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
,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
I,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
rans-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

- BOLD = Detected compounds
- NS = No Established Standard
- NR 746 Table 1 = Indicators of Residual Petroleum Product in Soil Pores

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

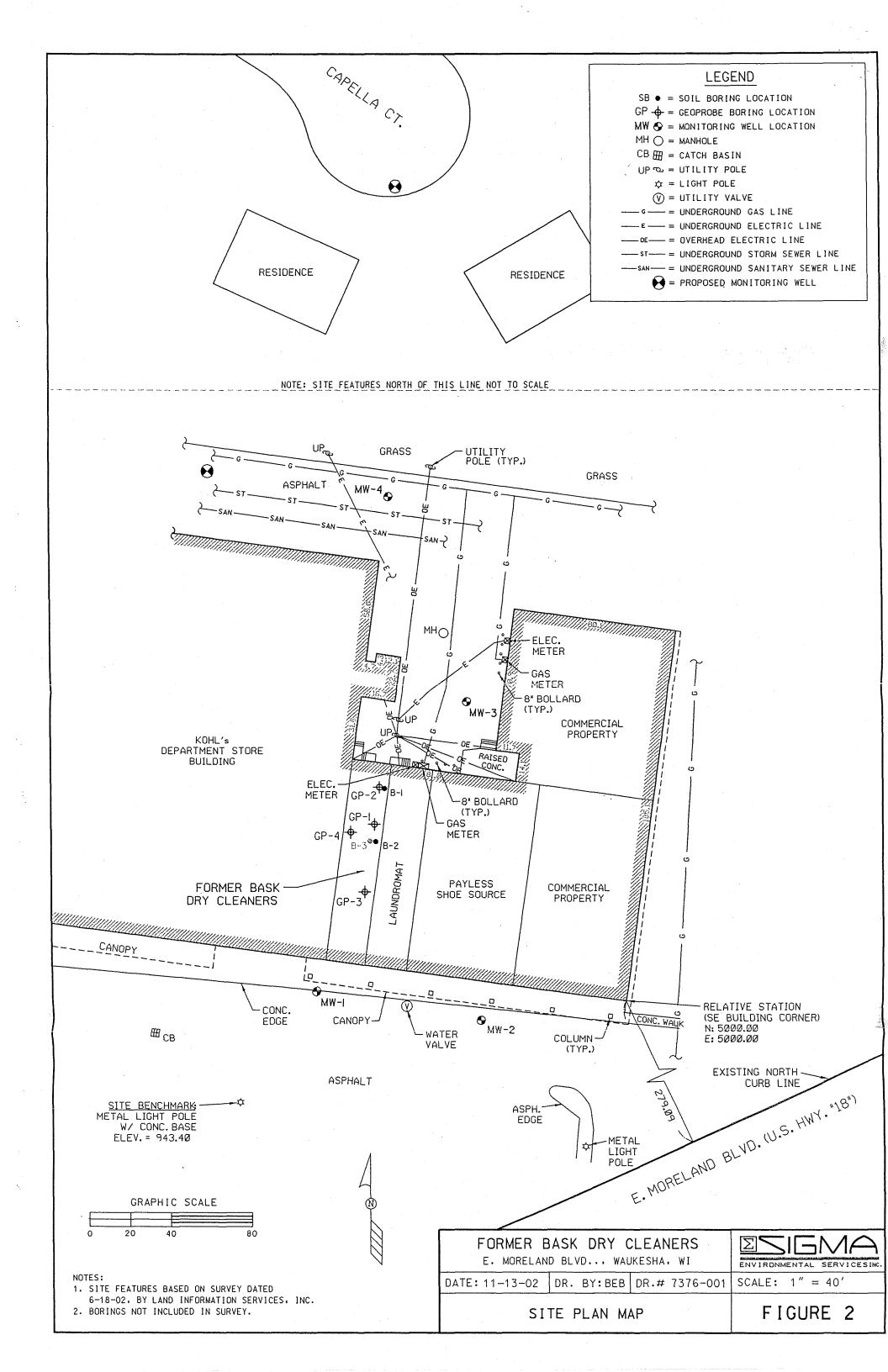
Manuel Co

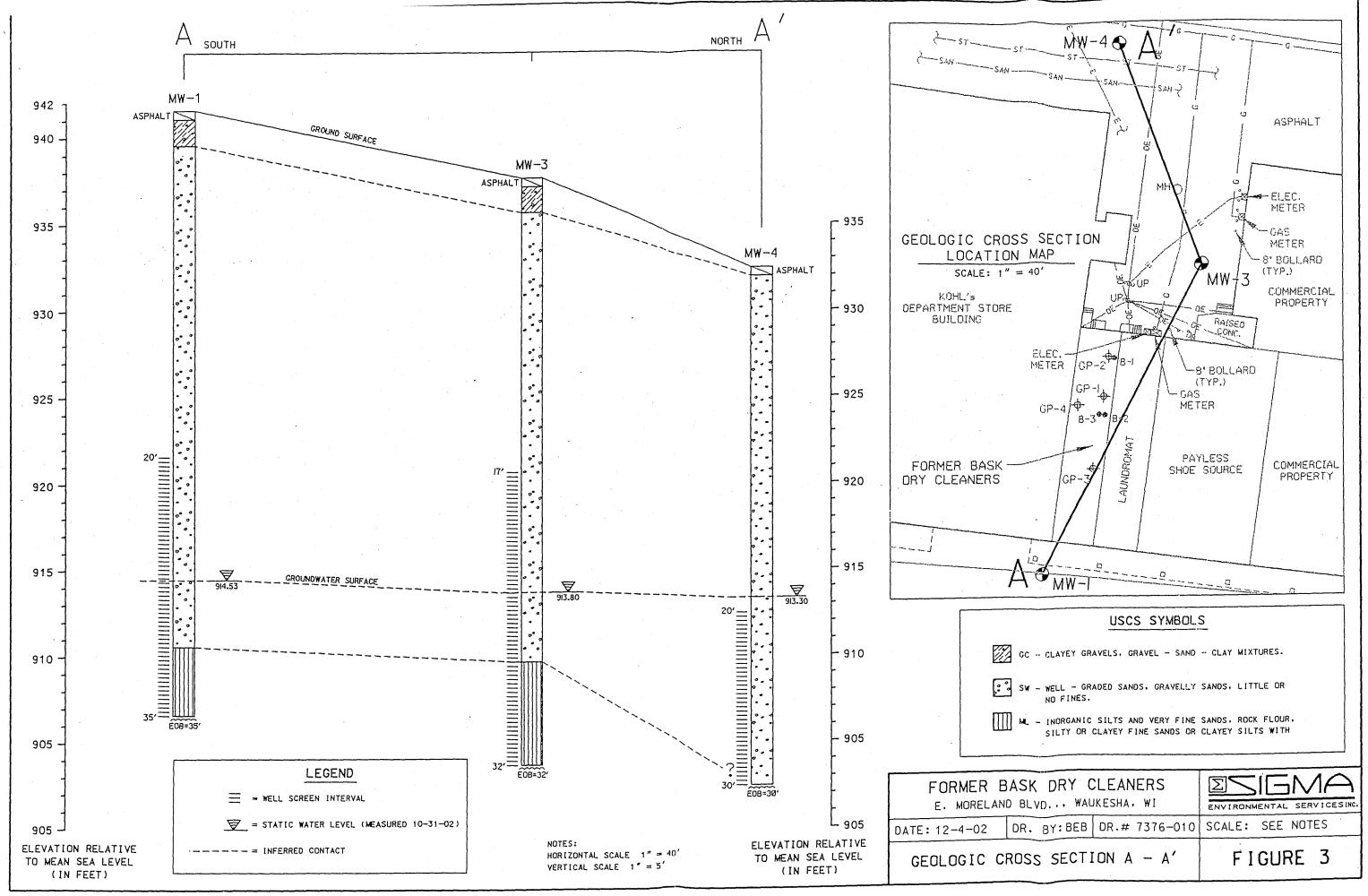
Parameter	Units		ŃW-1			MW-2			MW-3		MW-4	NR 140	NR 140	
Date		05/16/2002	7/11/2002	10/31/2002	05/16/2002	7/11/2002	10/31/2002	05/16/2002	7/11/2002	10/31/2002	10/31/02	ES	PAL	
Volatile Organic Compounds														
Carbon Tetrachloride	µg/1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5	0.5	
Chlorobenzene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	
Chloroethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	400	80	
Chloroform	µg/l	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	6	0.6	
Chlorormethane	µg/l	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	3	0.3	
2-Chlototoluene	µg/i	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	
4-Chlorotoluene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	
1,2-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	600	60	
1,3-Dichlorobenzene	µg/I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1250	125	
1,4-Dichlorobenzene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	75	15	
Dichlorodifluoromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1000	200	
1,1-Dichloroethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	850	85	
1,2-Dichloroethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5	0.5	
1,1-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7	0.7	
cis-1,2-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	70	7	
trais-1,2-Dichloroethene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	100	20	
1,1,2,2-Tetrachlororethane	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	0.2	0.02	
Tetrachloroethene	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.599	19.9	5	0.5	
1,2,3-Trichlorobenzene	µg/l	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NS	NS	
1,2,4-Trichlorobenzene	µg/l	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	70	14	
1,1,1-Trichloroethane	µg/I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	200	40	
1,1,2-Trichloroethane	µg/l	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	5	0.5	
Trichloroethene	hð/l	<0.5	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5	< 0.5	<0.5	<0.5	5	0.5	
Trichlorofluoromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	
Vinyl Chloride	µg/l	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	0.2	0.02	

C Table 3

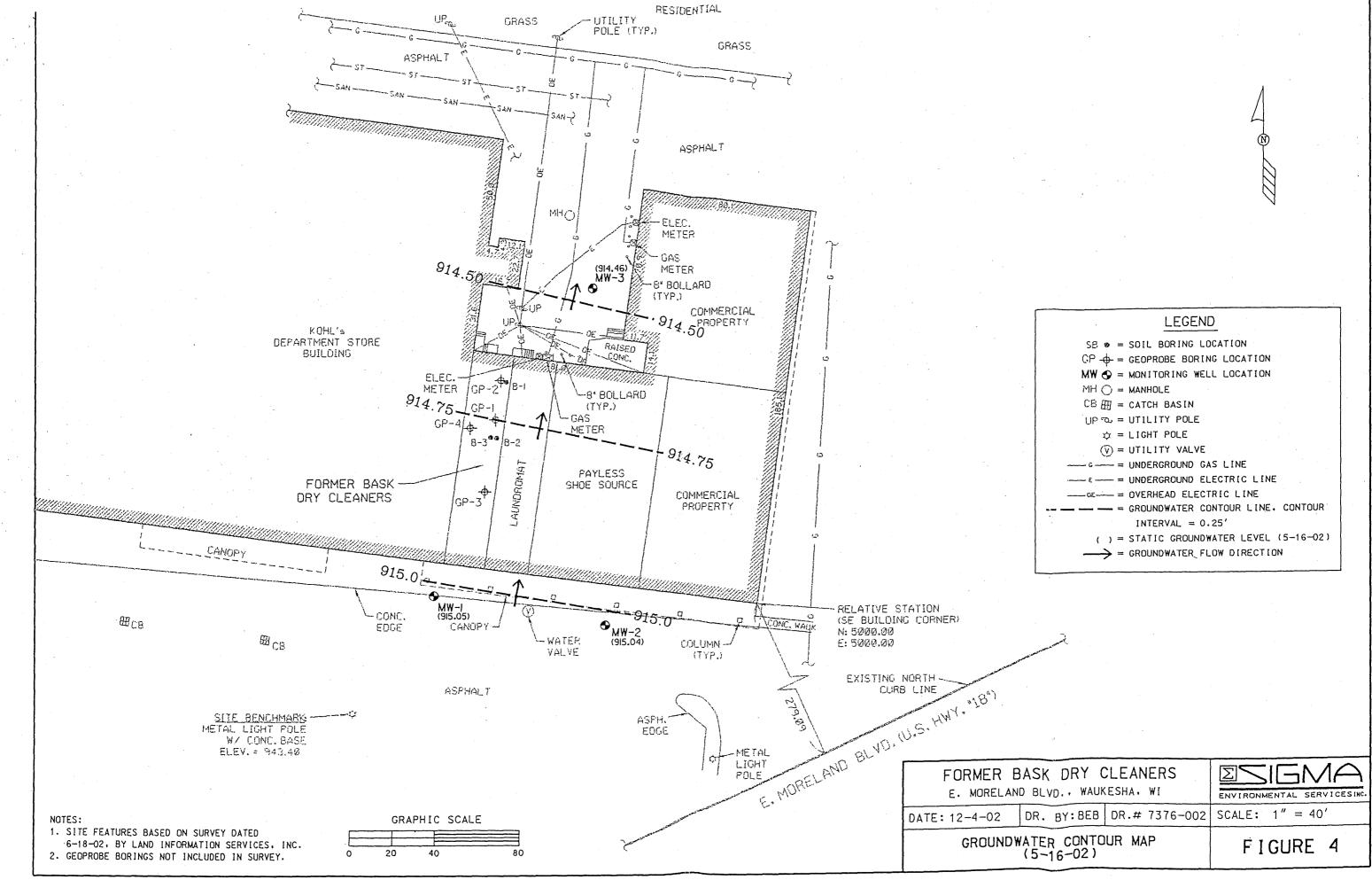
Notes:

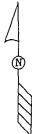
- µg/l = microgram per liter
- NA = Not Analyzed
- NS = No Standard
- NR 140 = Wisconsin Administrative Code Chapter NR 140
- ES = Enforcement Standard
- PAL = Preventative Action Limit
- BOLD = Concentration above ES
- BOLD = Concentration above PAL





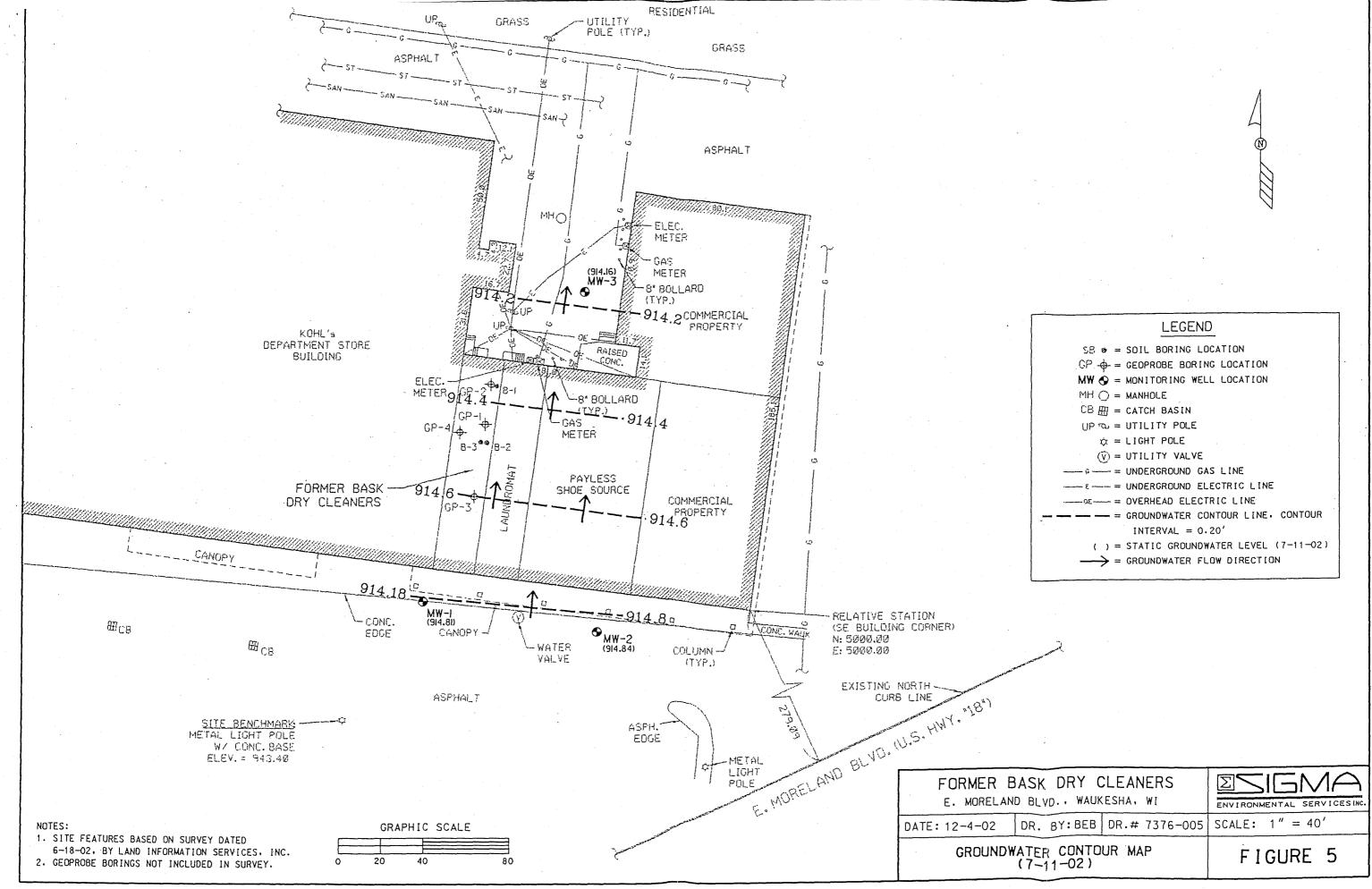
.



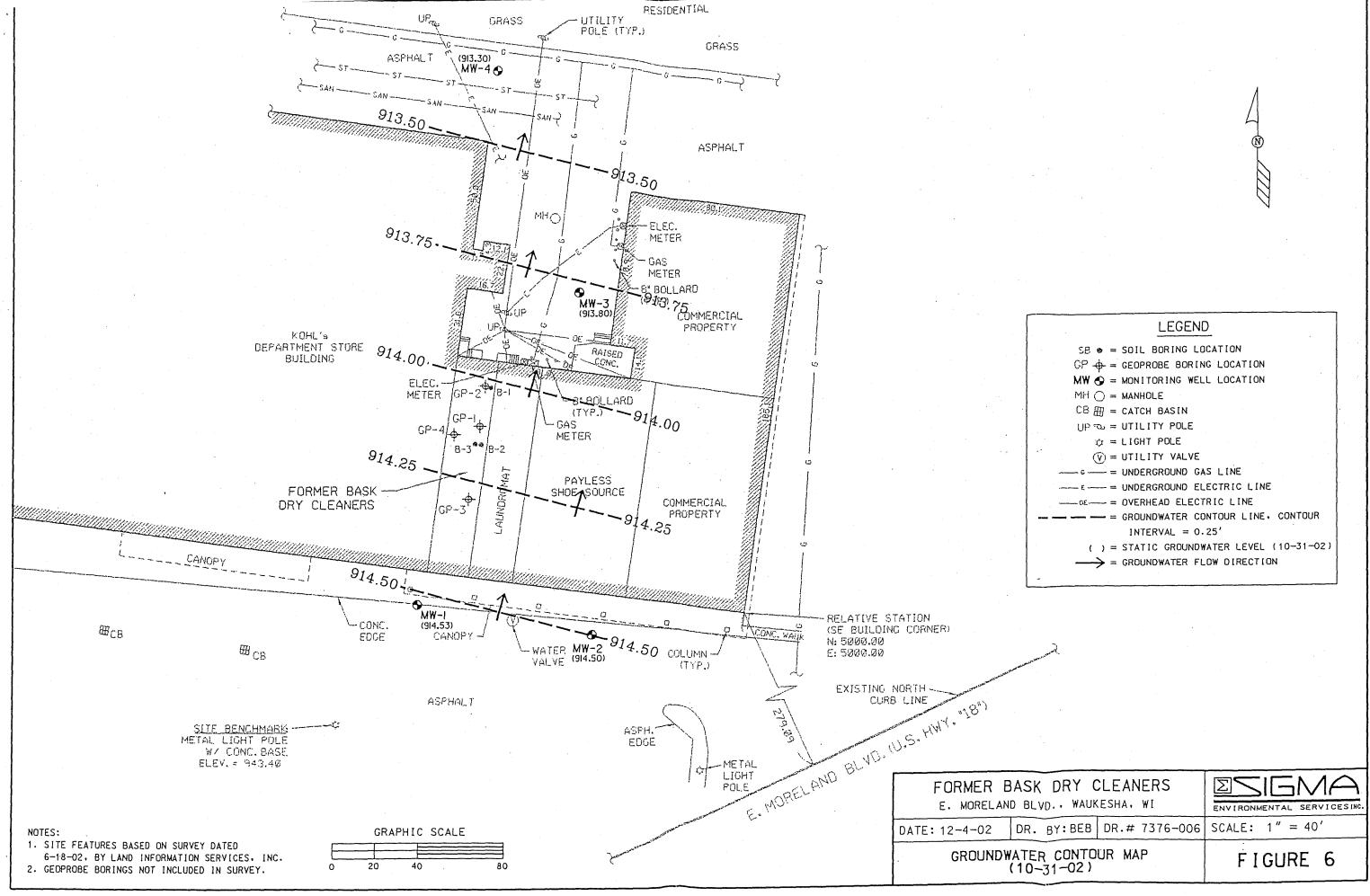


LEGEND
SE * = SOIL BORING LOCATION
GP - GEOPROBE BORING LOCATION
MW 🔿 = MONITORING WELL LOCATION
$MH \bigcirc = MANHOLE$
$CB \boxplus = CATCH BASIN$
UP ာ = UTILITY POLE
x = LIGHT POLE
$(\overline{V}) = UTILITY VALVE$
G = UNDERGROUND GAS LINE
ε = UNDERGROUND ELECTRIC LINE
INTERVAL = 0.25'
() = STATIC GROUNDWATER LEVEL (5-16-02)

·· .·

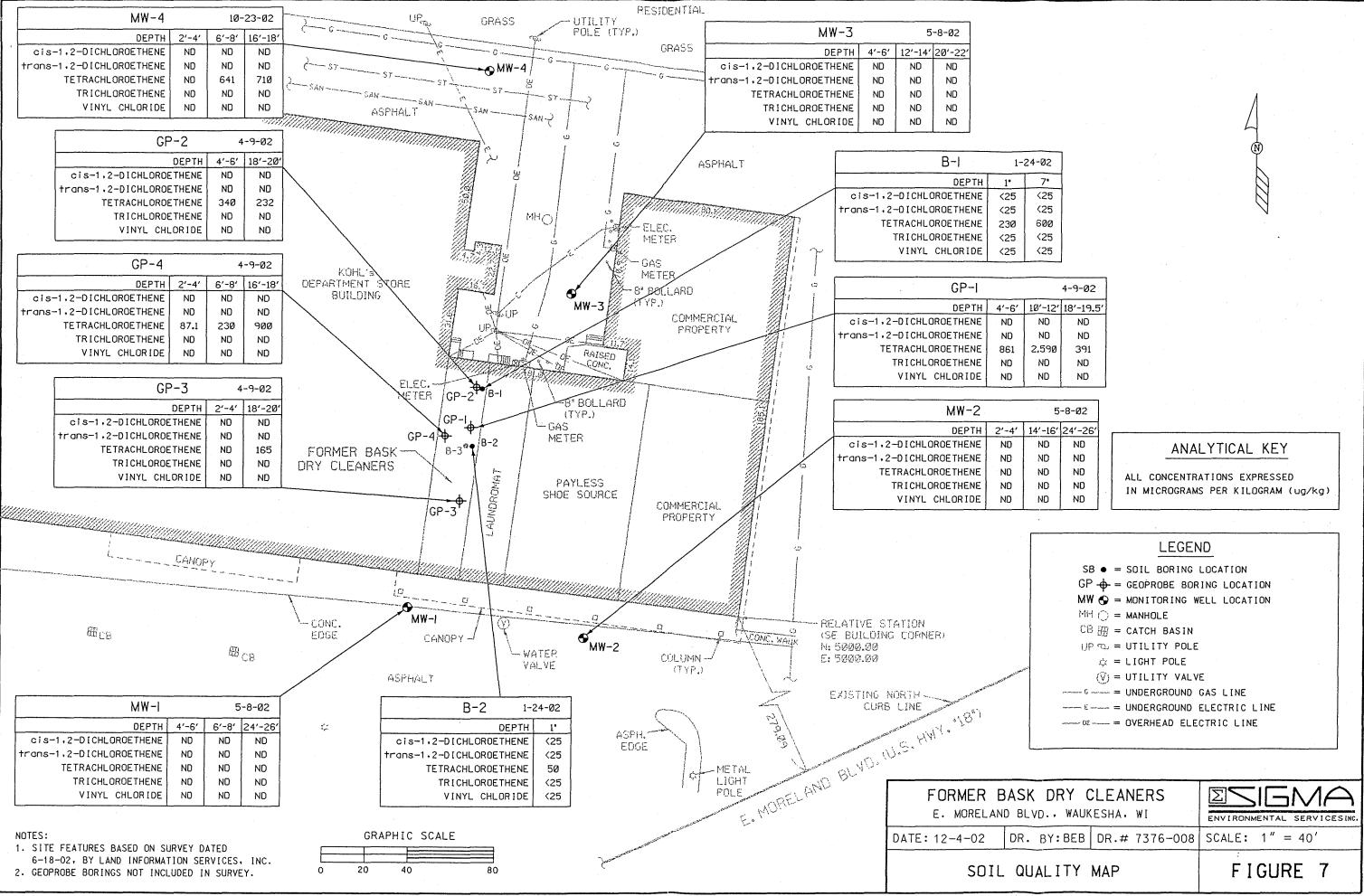






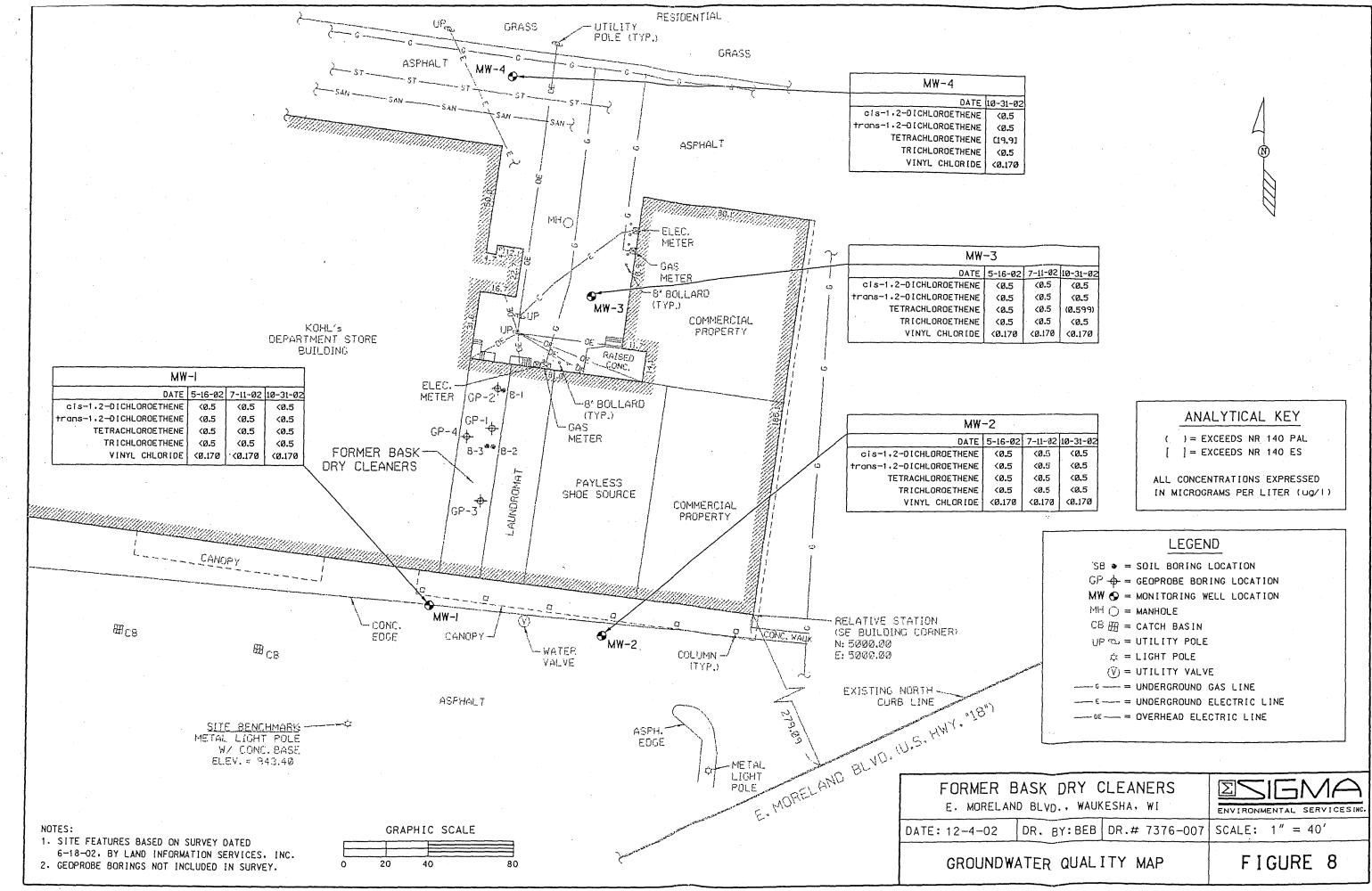


		1
	SE 👁 = SOIL BORING LOCATION	
	GP - = GEOPROBE BORING LOCATION	
	MW 🔿 = MONITORING WELL LOCATION	
	$MH \bigcirc = MANHOLE$	
•	$CB \boxplus = CATCH BASIN$	
	UP TO = UTILITY POLE	
	x = LIGHT POLE	
	$(\tilde{V}) = UTILITY VALVE$	
	c = UNDERGROUND GAS LINE	
	ε = UNDERGROUND ELECTRIC LINE	ľ
	ae = OVERHEAD ELECTRIC LINE	
į		
į	INTERVAL = 0.25'	
1	() = STATIC GROUNDWATER LEVEL $(10-31-02)$	
1		l
	· · ·	1



• • •

-24-02 7* <25 <25 600 <25 <25			
.20			
	4-9-02		
10'-12'	18'-19.5'		
ND	ND		
ND	ND		
2,59Ø ND	391 ND		
ND	ND		
<u>1</u> į	)		
5-	8-Ø2		
14'-16'	24'-26'	r	
ND	ND	ANALYTICAL KEY	
ND	ND		
ND ND	ND ND	ALL CONCENTRATIONS EXPRESSED	
ND	ND	IN MICROGRAMS PER KILOGRAM (ug/kg)	
<u> </u>	I	· ·	
		LEGEND	
	SB 🔸	= SOIL BORING LOCATION	
		- = GEOPROBE BORING LOCATION	
		= MONITORING WELL LOCATION	
		= MANHOLE	
		= CATCH BASIN	
		= UTILITY POLE	
12 L		= LIGHT POLE	
		= UNDERGROUND GAS LINE = UNDERGROUND ELECTRIC LINE	
		- UNDERGROUND ELECTRIC LINE	
	IF	= OVERHEAD ELECTRIC LINE	



Д
Ø

7-11-02	10-31-02
<0.5	(0.5
<Ø.5	<0.5
<Ø.5	(0.599)
· <Ø.5	<0.5
<0.170	<0.170

<sup>'</sup> Work Plan Addendum WBLP

ŝ

# ATTACHMENT 2

# WBLP

2136 E. Moreland Blvd Waukesha, WI Project Reference #7376

	Consulti	ng Costs	Commodil	y Services	
	Total	Equipment	Sub-	Analytical	Total
	Labor	_ &	Contracting	Expenses	Cost
Task	Costs	Expenses	Expenses		
1 Work Plan Preparation					
Project Coordination	\$210				\$210
Work Plan Preparation	\$485			<b>.</b>	\$485
Subtotal Task 1	\$695	\$0	\$0	\$0	\$695
2 <u>Subsurface Investigation</u>					
Project Coordination	\$945				\$945
Field Supervision of Soil Boring/Well Installation	\$650		\$3,000		\$3,910
Well Development and Sampling (two rounds)	\$1,200	\$868	)	\$910	\$2,978
Site Survey	\$0		\$500		\$500
Waste Disposal	\$240		\$530		\$770
Data Analysis	\$315				\$315
Subtotal Task 2	\$3,350	\$868	\$4,030	\$1,170	\$9,418
3 Report Preparation/Data Evlauation/Project Coordination					
Report Prep./Field Doc./Proj. Coordination	\$3,330	-			\$3,330
DERP Claim Preparation	\$490				\$490
Subtotal Task 3	\$3,820	\$0	\$0	\$0	\$3,820
Proposed Sigma Consulting Costs					\$8,733
Proposed Commodity Services Costs					\$5,200
Total Proposed Change Order Costs				·	\$13,933
Previous Approved Project Costs					\$18,665
Total Projected Project Costs Through SI				······································	\$32,598

	Equipment Expenses	WBLP			
Task	Type of Equipment	Units	Rate	.Cost	······
1	Work Plan Preparation		· · · · · · · · · · · · · · · · · · ·		,
	NONE			<b>\$</b> 0	
				subtotal=	
2	Subsurface Investigation				
-	Mobilization	3 visits (45 miles e	\$0.50 mile	\$68	
	FID	1 day	\$70 day	\$70	
	Sample Supplies	3 day	\$50 day	\$150	
	DO.Meter	2 day	\$35 day	\$70	
	Redox Meter	2 day	\$35 day	\$70	
	Iron Kits	12 units	\$5 each	\$60	
	Bailer Kits	12 units	\$15 each	\$180	
	Drums	4 units	\$35 each	\$140	
	Water Level Indicator	2 day	\$30 day	\$60	
				subtotal=	\$8
3	Report Preparation/Data Evlauation/Project	Coordination		<u> </u>	
J	NONE	Coordination		\$0	
				subtotal=	
	SUBCONTRACTING EXPENSES	WBLP	999 (1997)		
	Type of Service	Units	Rate	Cost	
L	West Dies Deserveiller			· · · · · · · · · · · · · · · · · · ·	
	Work Plan Preparation				
	NONE			\$0	
				subtotal=	
2	Subsurface Investigation				
	Subcontracted:				
	Soil Boring Monitoring Well Installation	Lump Sum	\$3,000	\$3,000	
	(Two borings/two wells to 25' bgs)				
	Site Survey	Lump Sum	\$500	\$500	
	Water Disposal	100 gal.	\$0.20 gal	\$20	
	Soil Disposal	6 drums	\$85 drum	\$510	
			400 S.M.I.	subtotal=	\$4,0
3			···-	· · · · · · · · · · · · · · · · · · ·	
	Report Preparation/Data Evlauation/Project ( NONE	Soordination		\$0	
				subtotal=	

i

LABORATORY ANALYTICAL	WBLP			
Type of Analysis	Samples		Rate	Cost
1 Work Plan Preparation			-	
NONE				\$O
				subtotal= \$0
	, , , , , , , , , , , , , , , , , , ,			
2 Subsurface Investigation				
(Samples include appropriate QA/QC	requirements)			
Soil:				
VOC	4 samples		\$65 sample	\$260
				subtotal= \$260
Groundwater (one round):				
VOCs	14 samples		\$65 sample	\$910
			•	subtotal= \$910
				· .
				<u>, , , , , , , , , , , , , , , , , , , </u>
3 Report Preparation/Data Evlauation/	Project Coordination			
NONE				\$O
		. · · · ·		subtotal= \$0

Work Plan Addendum

٠, ٠

e

ATTACHMENT 3

.

·

IN SHOOSHIHIHIDDIIN L'ASSAG



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor Darrell-Bazzell, Secretary Gloria L. McCutcheon, Regional Director Southeast Region Milwaukee Service Center 2306 N. Dr. ML King Drive, PO Box 12436 Milwaukee, Wisconsin 53212-0438 Telephone 414-263-8500 FAX 414-263-8716 TDD 414-263-8713

March 25, 2002

Mr. David Baskerville Bask, Inc. 121 South Hamilton Street, Suite U P.O. Box 1298 Madison, Wisconsin 53701

SUBJECT: Approval of DERP site investigation at Westbrook Shopping Center, 2136 East Moreland Boulevard, Waukesha, Wisconsin- BRR-DERP FID#268188800.

Dear Mr. Baskerville:

We have reviewed the proposal submitted on your behalf by Reinhart, Boerner & Van Deuren, S.C. In this proposal, three environmental consultants have submitted bid proposals to complete an environmental investigation at the Westbrook Shopping Center. It is Reinhart, Boener & Van Deuren's, S.C. opinion that Sigma Environmental's proposal was the most complete and cost effective of the three proposals. Based on the information provided, we concur with this assessment and approve Sigma Environmental's subsurface investigation plan for the Westbrook Shopping Center for a total cost of approximately \$25,065.

If during the implementation of Sigma's subsurface investigation, it is determined that additional investigation is necessary above the approved amount of \$25,065, it will be necessary to submit to the department another proposal justifying the additional investigation, with details on the additional costs of the investigation. If you have any questions regarding this letter, you may contact me at (414) 263-8589.

Sincerely Gina Keenan

Hydrogeologist

cc: Mark Treter-Reinhart, Boerner, Van Deuren, S.C. SER case file

> Quality Natural Resources Management Through Excellent Customer Service

