State of Wisconsin
Department of Natural Resources
P.O. Box 7921, Madison, WI 53707-7921

# GIS REGISTRY (Cover Sheet)

Form 4400-280 (R 7/12)

## Source Property Information

CLOSURE DATE: Jul 14, 2010

**BRRTS #:** **03-52-545225** (No Dashes)

FID #: 252245730

ACTIVITY NAME: LANGENDORF FUNERAL HOME, FORMER DRAEGER

DATCP #:

PROPERTY ADDRESS: 1900 AND 1910 TAYLOR AVE

PECFA#: 53403241200A

MUNICIPALITY: Racine

PARCEL ID #: 276000014011003

***WTM COORDINATES:**

X: **699443** Y: **250645**

** Coordinates are in WTM83, NAD83 (1991)*

**WTM COORDINATES REPRESENT:**

- (●) Approximate Center Of Contaminant Source
- ( ) Approximate Source Parcel Center

**Please check as appropriate:** (BRRTS Action Code)

### Contaminated Media:

[X] Groundwater Contamination > ES *(236)*

- [ ] Contamination in ROW
- [ ] Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

[X] Soil Contamination > *RCL or **SSRCL *(232)*

- [X] Contamination in ROW
- [ ] Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

### Continuing Obligations:

- [ ] N/A (*Not Applicable*)
- [ ] Soil: maintain industrial zoning *(220)*

*(**note:** soil contamination concentrations between non-industrial and industrial levels)*

- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [ ] Cover or Barrier *(222)*

*(**note:** maintenance plan for groundwater or direct contact)*

- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

*(**note:** local government unit or economic development corporation was directed to take a response action )*

***Note:** Comments will not print out.*

### Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

(●) Yes ( ) No ( ) N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

# GIS Registry Checklist

Form 4400-245 (R 4/08)



This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

**NOTICE: Completion of this form is mandatory** for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-52-545225 PARCEL ID #: 276000014011003

ACTIVITY NAME: Langendorf Funeral Home, Former Draeger WTM COORDINATES: X: 699443 Y: 250645

## CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

☐ **Closure Letter**

☐ **Maintenance Plan** *(if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)*

☐ **Conditional Closure Letter**

☐ **Certificate of Completion (COC)** for VPLE sites

## SOURCE LEGAL DOCUMENTS

☒ **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
***Note:*** *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

**Figure #:** **Title:**

☒ **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

## MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

☒ **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
***Note:*** *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

**Figure #: 1** **Title: Site Location Map**

☒ **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

**Figure #: 2** **Title: Site Layout**

☒ **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

**Figure #: 3** **Title: Soil Contamination Contour Map**

BRRTS #: 03-52-545225 ACTIVITY NAME: Langendorf Funeral Home, Former Draeger

## MAPS (continued)

☒ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

**Figure #: 4A** **Title: Site Cross Section: A-A**

**Figure #: 4B** **Title: Site Cross Section: B-B**

☒ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
***Note:*** *This is intended to show the total area of contaminated groundwater.*

**Figure #: 5** **Title: Groundwater Isoconcentration Map**

☒ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

**Figure #: 6A** **Title: Groundwater Flow: 8/24/07**

**Figure #: 6B** **Title: Groundwater Flow: 3/31/09**

## TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
**Note:** This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

**Table #: 1** **Title: Summary of Soil Sample Analytical Results**

☒ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

**Table #: 2** **Title: Summary of Groundwater Sample Analytical Results**

☒ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

**Table #: 3** **Title: Summary of Groundwater Depths and Elevations**

## IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
***Note:*** *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
***Note:*** *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

**Figure #:** **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☐ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-52-545225 ACTIVITY NAME: Langendorf Funeral Home, Former Draeger

## NOTIFICATIONS

**Source Property**

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

**Off-Source Property**

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
***Note:*** *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

**Number of "Off-Source" Letters:**

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
***Note:*** *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☒ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

**Number of "Governmental Unit/Right-Of-Way Owner" Letters: 1**

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TTY: Contact Through Relay
Fax: (608) 267-1381
Jim Doyle, Governor
Aaron Olver, Secretary

July 14, 2010

Mr. Gary Langendorf
Draeger Langendorf Funeral Home & Crematory Inc
4600 County Line RD
Racine, WI 53403

RE: **Final Closure**

**Commerce # 53403-2412-00-A** DNR BRRTS # 03-52-545225
Draeger-Langendorf Funeral Home, 1900 & 1910 Taylor Ave, Racine

Dear Mr. Langendorf:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Key Engineering Group Ltd, for the site referenced above. Commerce has determined that this site does not pose a significant threat to human health or the environment. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. To review sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable State regulations and standards.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-8509.

Sincerely,

Andrew Alles

Andrew Alles,
Senior Hydrogeologist
Site Review Section

cc: Mr. Mitchell Banach, Key Engineering Group Ltd
Case File

DOCUMENT # 2227947
RACINE COUNTY REGISTER OF DEEDS
September 14, 2009 4:40 PM

Lis Pendens

Document Number | Document Title

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $17.00
Pages: 4

Recording Area

Name and Return Address

JOHN G SHANNON
Box 480

17

Parcel ID #___276 0000 14011001_____

STATE OF WISCONSIN CIRCUIT COURT RACINE COUNTY

SOUTHPORT BANK,
a Wisconsin Corporation,
7027 Green Bay Road
Kenosha, WI 53142

Plaintiff,

v.

Case No:09CV1832
Classification: 30301
Money Judgment
Exceeds $5000

DAWN M. DOPERALSKI,
an adult resident of the State of Wisconsin,
8956 Arbor Hill Drive
Racine, WI 53406,

SCOTT A. DOPERALSKI,
an adult resident of the State of Wisconsin,
1309 N. Stuart Road
Racine, WI 53406,

MY DREAM, LLC,
a Wisconsin Limited Liability Company
1910 Taylor Avenue
Racine, WI 53403

MY DREAM TOO, LLC,
a Wisconsin Limited Liability Company
1910 Taylor Avenue
Racine, WI 53403,

RACINE COUNTY ECONOMIC DEVELOPMENT CORP.
a Wisconsin corporation,
2320 Renaissance Blvd.
Sturtevant, WI 53177,

Defendants.

# LIS PENDENS

DYE, FOLEY, KROHN & SHANNON, SC
PO BOX 081518
1300 S GREEN BAY RD #104
RACINE, WI 53408-1518
TEL: 262-637-1260 FAX: 262-637-1460

NOTICE IS HEREBY GIVEN that an action has been commenced in the above-named Court upon a Complaint by the above-named plaintiffs against the above-named defendants; that the object of the action is to foreclose a Mortgage from Dawn M. Doperalski, Scott A. Doperalski, My Dream, LLC and My Dream Too, to Southport Bank in the original amount of $463,500.00, dated March 30, 2006, and recorded in the Office of the Register of Deeds for Racine County, Wisconsin, on April 3, 2006, as Document No. 2078996. That said action affects the title to the real estate below:

**Parcel I:** That part of Lot 22, Block 3, Guenther, Palmer & Fidler's Subdivision, being a part of the Northwest 1/4 of Section 20 3 23East, bounded as follows: Begin at the Northeast corner of said Lot 22, thence Southerly along the Westerly line of Taylor Avenue 66 feet to a point 6 feet Northerly from the Southeast corner of said Lot 22, thence Westerly parallel to the Southerly line of said Lot 22, 200 feet, thence Northerly to a point on the North Line of said Lot 22, that is 209.7 feet Westerly from the point of beginning, thence Easterly along the Northerly line of said lot, 209.7 feet to the point of beginning. Said land being in the City of Racine, County of Racine, State of Wisconsin.

**Parcel II:** That part of Lot 22, Block 3, Guenther, Palmer & Fidler's Subdivision, being a part of the Northwest 1/4 of Section 20 3 23 East, bounded as follows: Begin at a point in the Northerly line of said Lot 22, which is 215.43 feet Easterly of the Northwest corner of said Lot, measured along the Northerly line of said lot, thence South 4 degrees 53' 30" West 72.23 feet, thence South 63 degrees 53' East parallel to the South line of said Lot, 49.50 feet to the Southwest corner of Parcel No. 3 above, thence North 23 degrees 2' 20" East 68.07 feet to the Northerly line of said Lot at a point 209.7 feet from the Northeast corner of said Lot, thence North 63 degrees 16' West 68.25 feet along the Northerly line of said Lot, to an angle, thence North 83 degrees 56'15" West along the Northerly line of said Lot, 4 feet to the place of beginning. Said land being located in the City of Racine, County of Racine, State of Wisconsin.

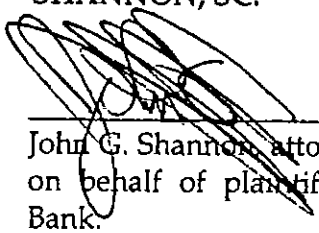
**Parcel III:** The East 125 feet of Lot 21, Block 3, Guenther, Palmer & Fidler's Subdivision, being part of the Northwest 1/4 of Section 20 3 23. Said land being

located in the City of Racine, County of Racine, State of Wisconsin.

The Real Property or its address is commonly known as 1910 TAYLOR AVENUE, RACINE, WI. The Real Property tax identification number is 276 0000 14011001.

Dated at Racine, WI this 12th day of June, 2009.

DYE, FOLEY, KROHN & SHANNON, SC.



John G. Shannon, attorney for and on behalf of plaintiff, Southport Bank.
WSB: 1017533

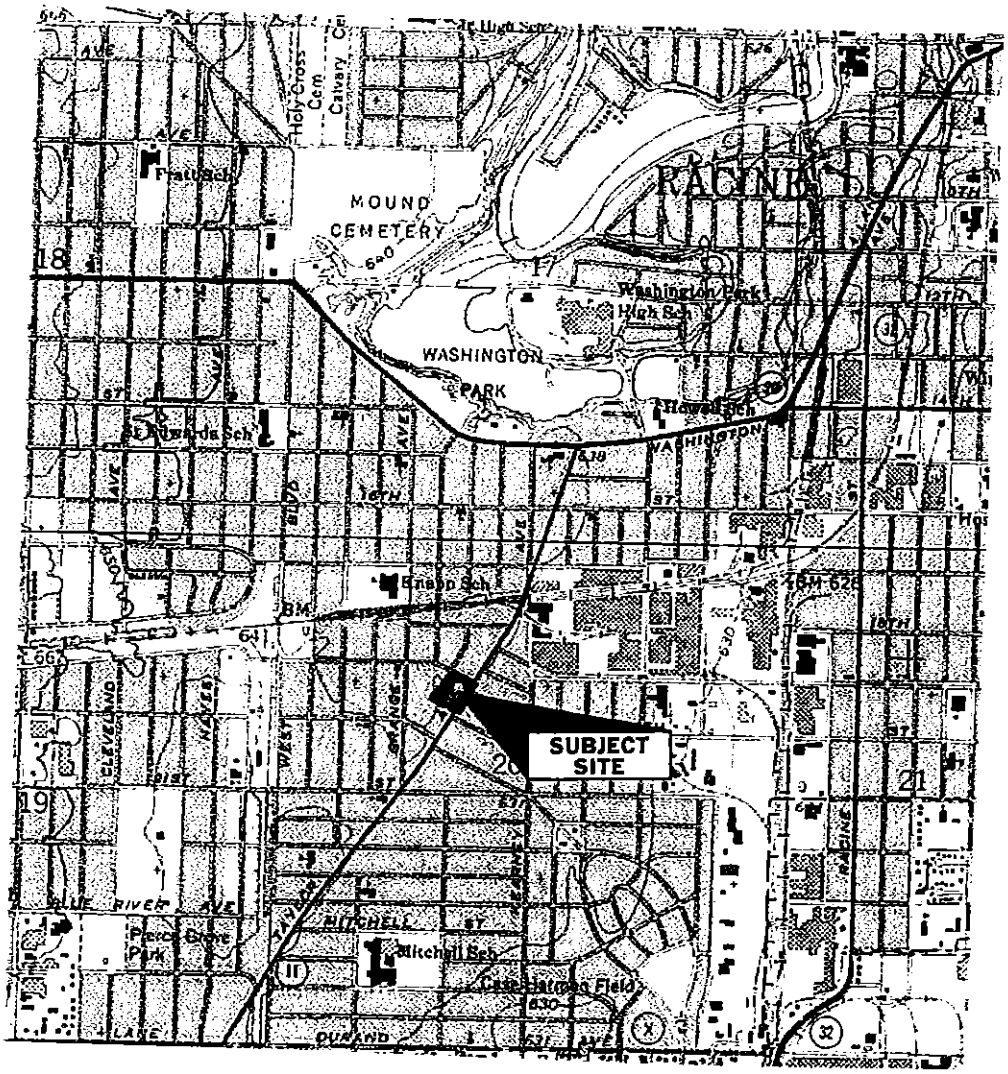
Draeger Langendorf
Funeral Home & Crematory

4600 County Line Road Racine, WI 53403 (262) 552-9000 *fax* (262) 552-9100

Draeger – Langendorf Funeral Home and Crematory, Inc. the responsible party for the property located at 1900 and 1910 Taylor Avenue, Racine, Wisconsin, states that the legal description provided to the Wisconsin Department of Natural Resources for the BRRTS case file # 03-52-545225 is complete and accurate to the best of our knowledge.

Signature of Representative for the Responsible Party:

Date: 3-8-2010




*SOURCE:*
*USGS*
*Racine South, Wisconsin 7.5 Minute Series*
*Quadrangle Map 1958, Photo Revised 1971 and 1976*

SCALE IN FEET
0 2000'

2002 Key Engineering Group Ltd.

| | |
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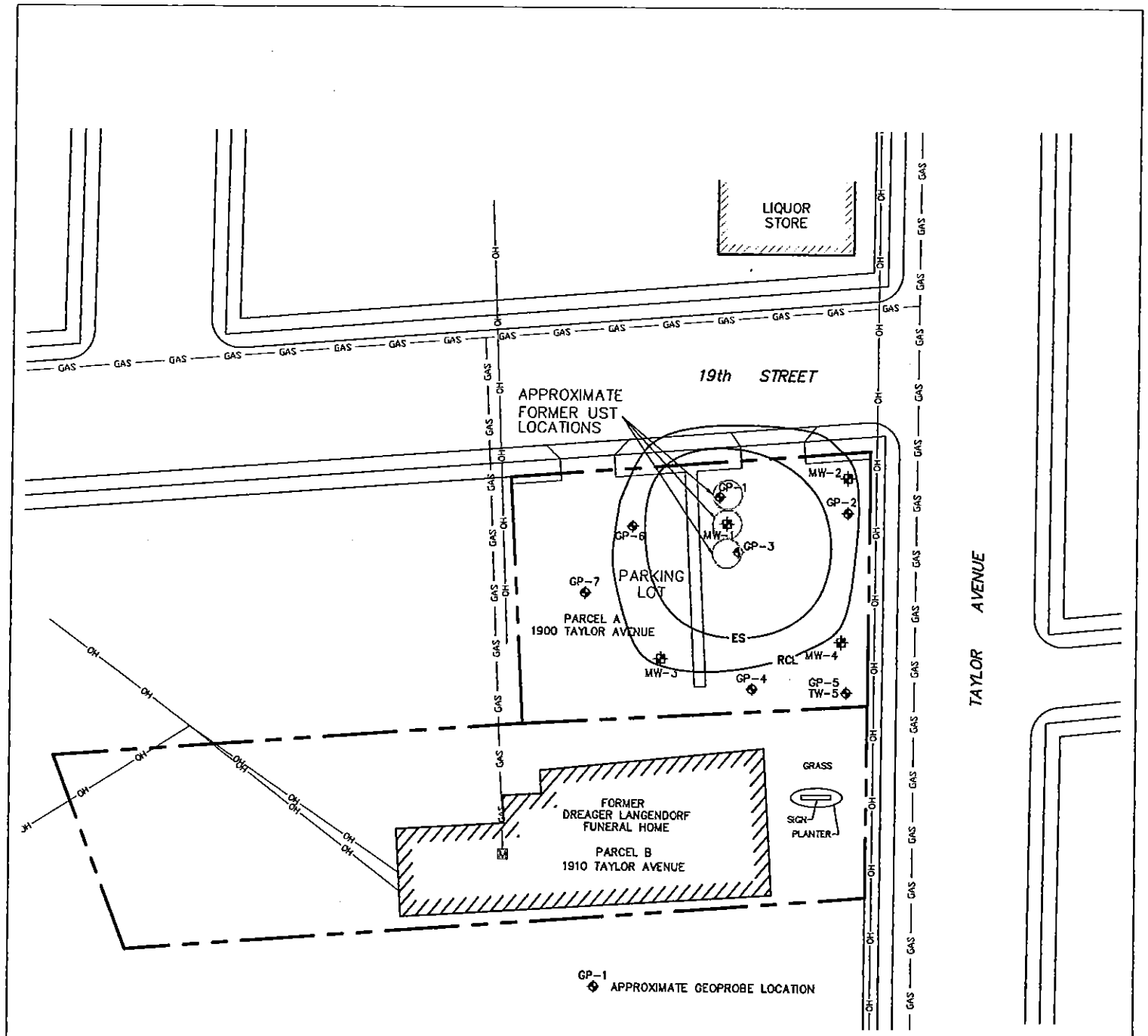
| DESIGNED BY<br>RCM | DATE<br>03.03.09 |
| DRAWN BY | PROJECT<br>1509009 |
| APPROVED BY<br>RCM | SHEET NO.<br>1 |

H:\PROJECTS\2005\EN\1509009\1509009 Figure 1.doc

FIGURE 1
SITE LOCATION MAP
FORMER DRAEGER LANGENDORF FUNERAL HOME
1900 AND 1910 TAYLOR AVENUE
RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.




MONITORING WELL LOCATION

GEOPROBE LOCATION

OH — OVERHEAD ELECTRIC UTILITY

GAS — GAS UTILITY

PROPERTY BOUNDRY

ES — GROUND WATER CONTAMINATION AT THE ES LEVEL

RCL — SOIL CONTAMINATION AT THE RCL LEVEL

SCALE IN FEET

50' 0 50'

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| DESIGNED BY AMB | DATE 5/25/2010 |
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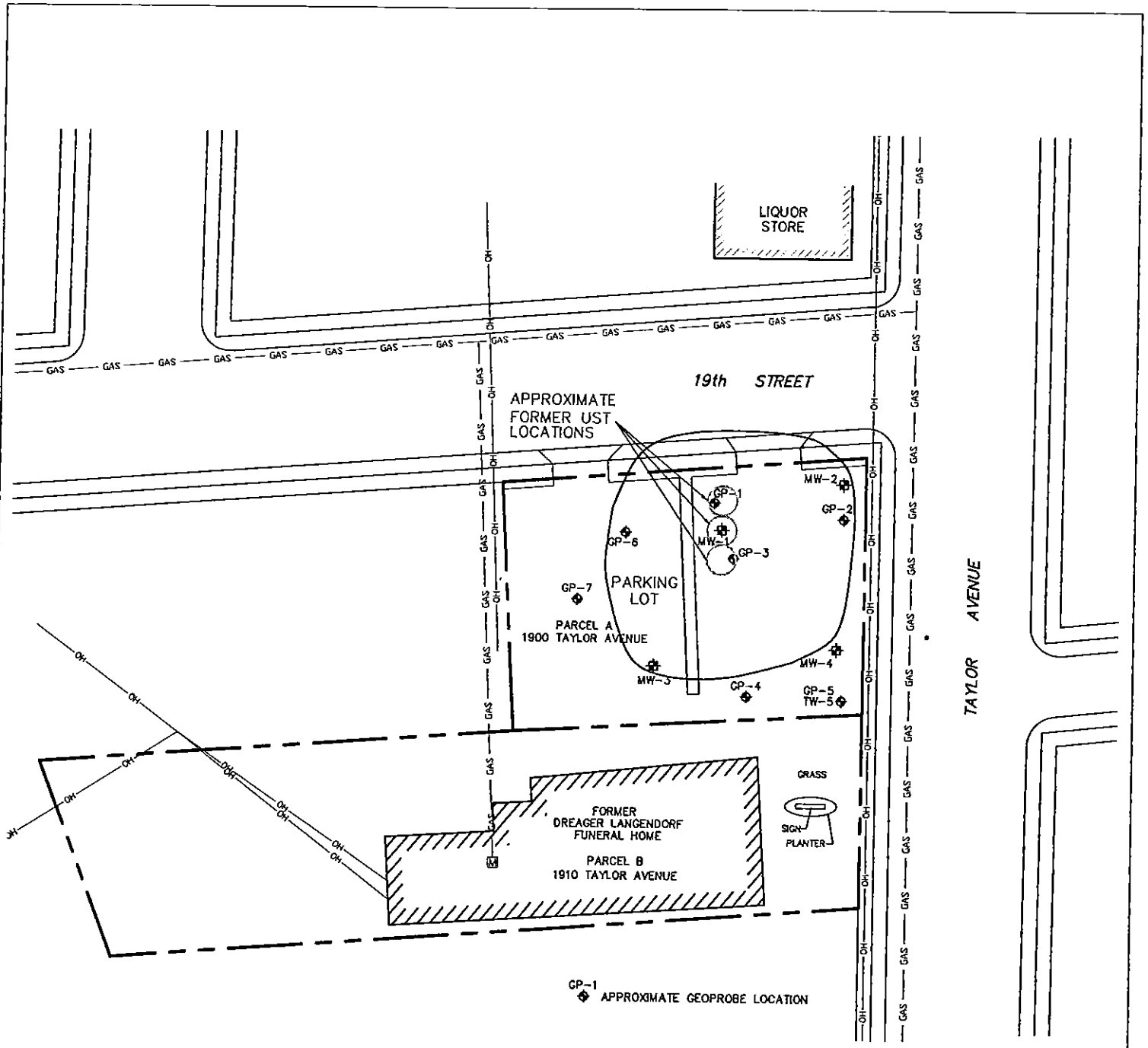
| APPROVED BY RCM | SHEET NO. |
| CADFILE XREF LMAN | |

FIGURE 2
SITE LAYOUT
FORMER DREAGER LANGENDORF FUNERAL HOME
CITY OF RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.
ENVIRONMENTAL • CIVIL • RAILROAD

Jun 07, 2010 – 2:43pm G:\ACAD\1509009.1\BASE & FIG 2_SITE LAYOUT.dwg




MONITORING WELL LOCATION

GEOPROBE LOCATION

OVERHEAD ELECTRIC UTILITY

GAS UTILITY

PROPERTY BOUNDRY

SOIL CONTAMINATION ISOCONTOUR

SCALE IN FEET

50' 0 50'

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FIGURE 3
SOIL CONTAMINATION CONTOUR MAP
FORMER DREAGER LANGENDORF FUNERAL HOME
CITY OF RACINE, WISCONSIN

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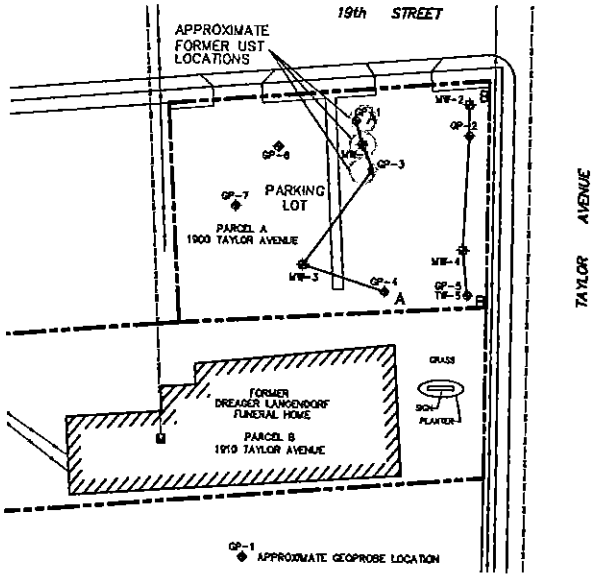
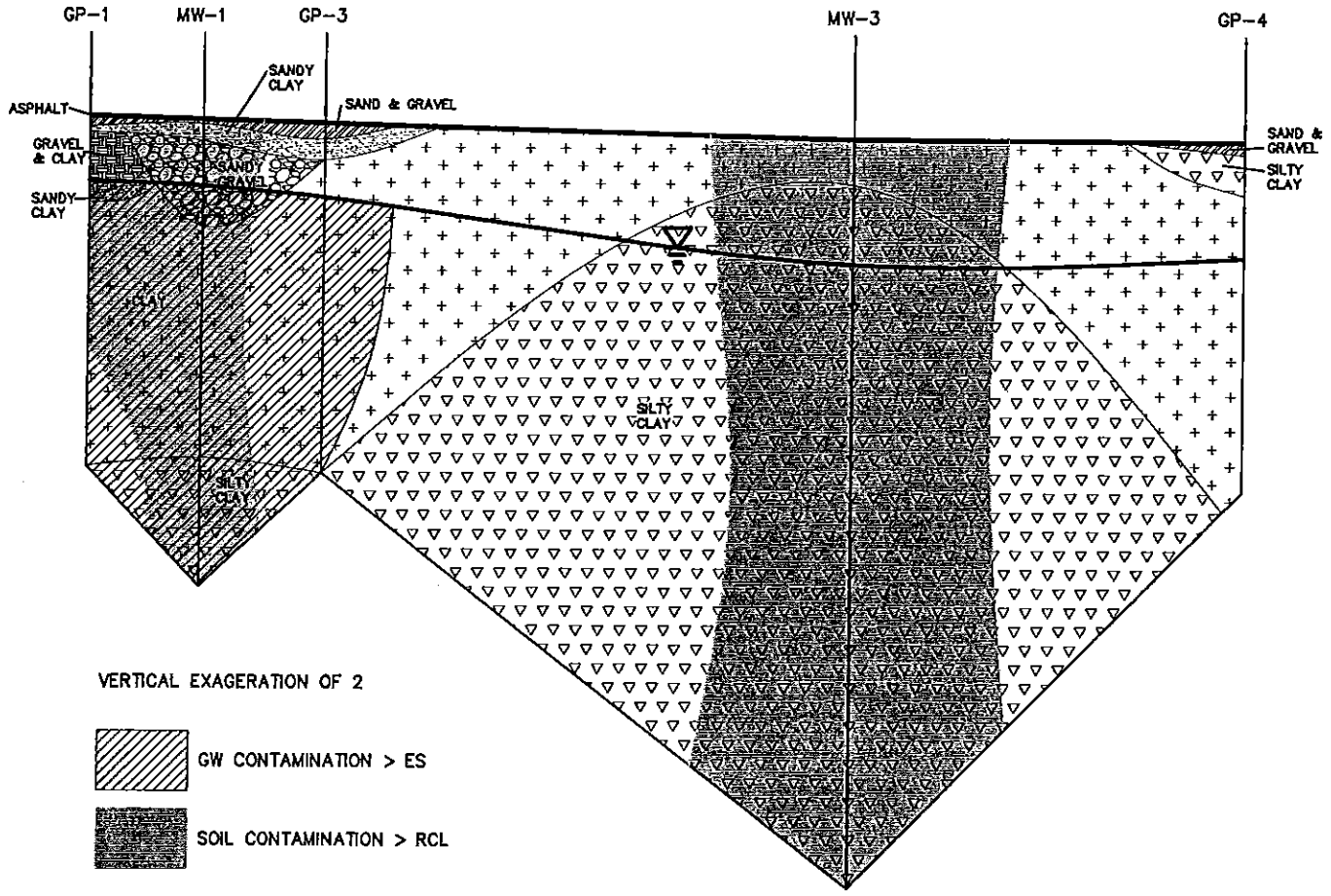
Jun 07, 2010 – 2:49pm G:\ACAD\1509009.1\Fig 3 GIS.dwg




VERTICAL EXAGERATION OF 2

GW CONTAMINATION > ES

SOIL CONTAMINATION > RCL

GROUND WATER TABLE

SCALE IN FEET

0 16'

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| APPROVED BY RCM | SHEET NO. 1 |
| CADFILE G:\ACAD\1509009.1\FIG3.dwg XREF LMAN | |

FIGURE 4A
SITE CROSS SECTION: A-A
FORMER DREAGER LANGENDORF FUNERAL HOME
CITY OF RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.
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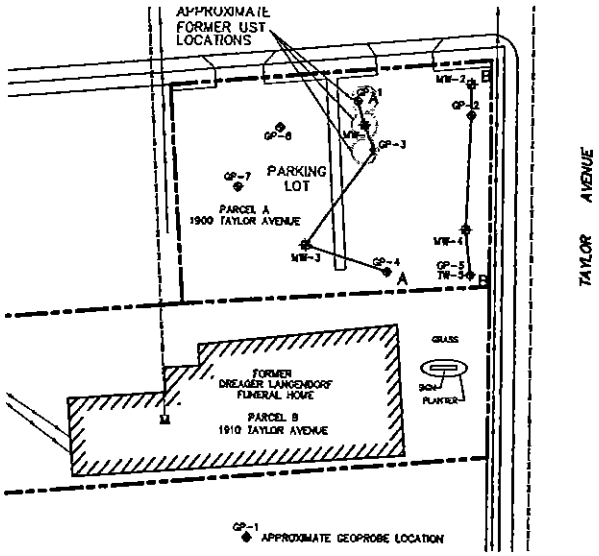
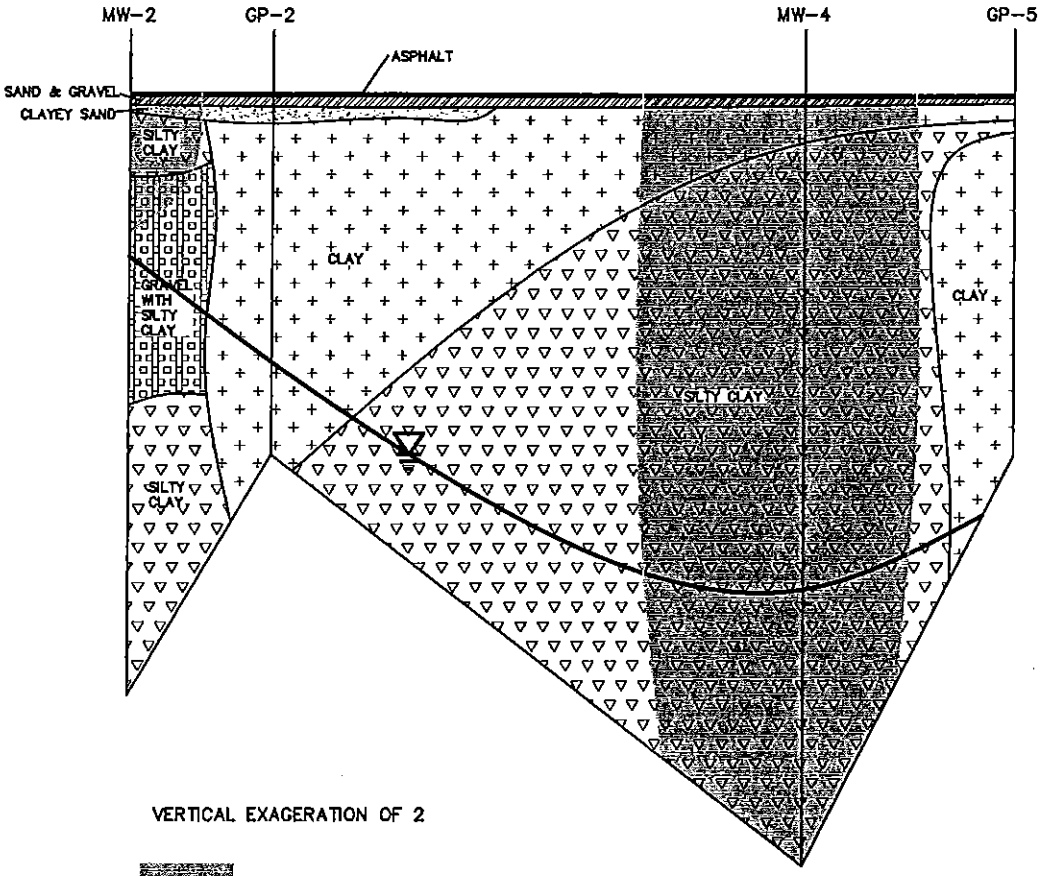
Jun 07, 2010 - 2:51pm G:\ACAD\1509009.1\FIG 4_SITE CROSS SECTION.dwg




VERTICAL EXAGERATION OF 2

SOIL CONTAMINATION > RCL

GROUND WATER TABLE

SCALE IN FEET

0 16'

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FIGURE 4B
SITE CROSS SECTION: B–B
FORMER DREAGER LANGENDORF FUNERAL HOME
CITY OF RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.
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Jun 07, 2010 – 2:51pm G:\ACAD\1509009.1\FIG 4_SITE CROSS SECTION.dwg

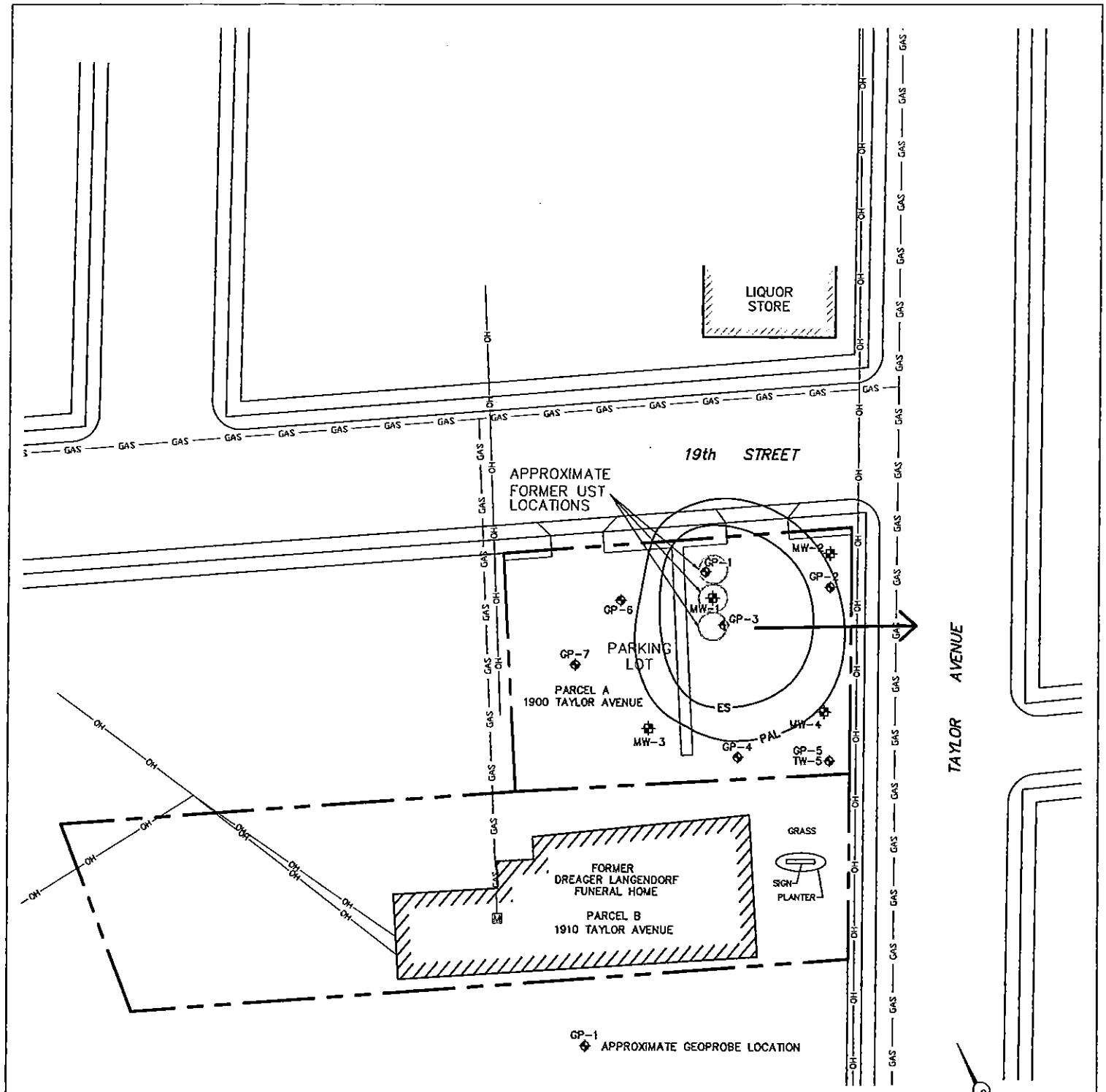


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FIGURE 5
GROUND WATER CONTAMINATION
FORMER DREAGER LANGENDORF FUNERAL HOME
CITY OF RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.
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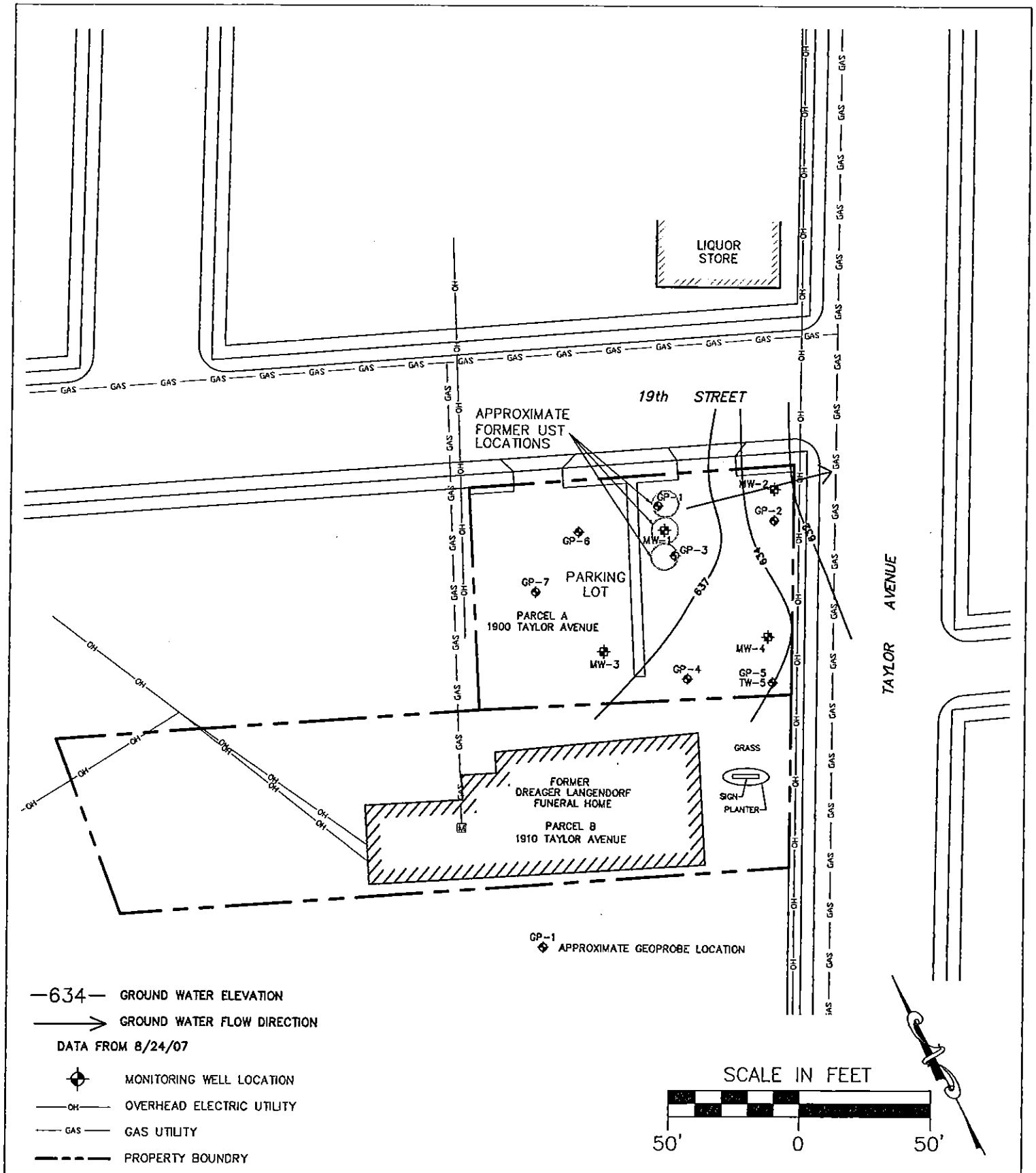
Jun 07, 2010 – 2:52pm G:\ACAD\1509009.1\FIG 5_GW CONTAM MAPS.dwg

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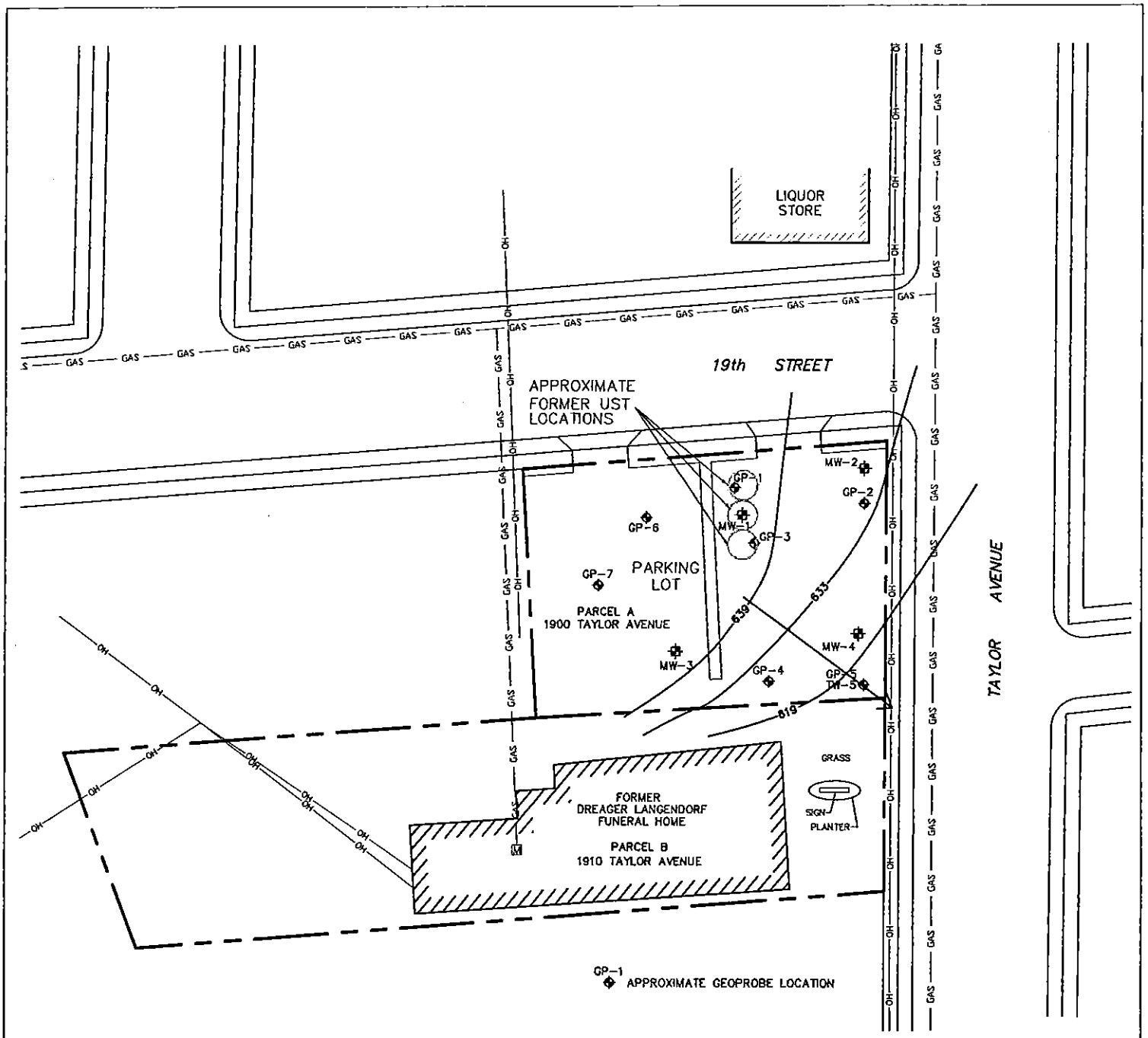
| APPROVED BY RCM | SHEET NO. 1 |
| CADFILE G:\ACAD\1509009.1\F103.dwg XREF LMAN | |

FIGURE 6A
GROUND WATER FLOW: 8/24/07
FORMER DREAGER LANGENDORF FUNERAL HOME
CITY OF RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.
ENVIRONMENTAL • CIVIL • RAILROAD

Jun 07, 2010 – 2:53pm G:\ACAD\1509009.1\FIG 6_GW FLOW CONTOUR MAPS.dwg




634— GROUND WATER ELEVATION

GROUND WATER FLOW DIRECTION

DATA FROM 3/31/09

MONITORING WELL LOCATION

—OH— OVERHEAD ELECTRIC UTILITY

—GAS— GAS UTILITY

PROPERTY BOUNDRY

SCALE IN FEET

50' 0 50'

© 2003 Key Engineering Group Ltd.

| | |
|---|---|
| DESIGNED BY AMB | DATE 1/26/2010 |
| DRAWN BY AMB | PROJECT 1509009.1 |
| APPROVED BY RCM | SHEET NO. 1 |
| CADFILE G:\ACAD\1509009.1\F03.dwg XREF LMAN | |

FIGURE 6B
GROUND WATER FLOW: 3/31/09
FORMER DREAGER LANGENDORF FUNERAL HOME
CITY OF RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.
ENVIRONMENTAL • CIVIL • RAILROAD

Jun 07, 2010 – 2:53pm G:\ACAD\1509009.1\FIG 6_GW FLOW CONTOUR MAPS.dwg

**TABLE 1**

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS**

**DREAGER LANGENDORF FUNERAL HOME**
1900-1910 Taylor Avenue
Racine, Wisconsin

| PARAMETERS | SAMPLE IDENTIFICATION | | | | | | | | | | GENERIC RCLs | | NR 746 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GP-1A | GP-1B | GP-2 | GP-3 | GP-4 | GP-5 | GP-6 | | GP-7 | | PROTECTION OF GROUNDWATER | DIRECT CONTACT (NON-INDUSTRIAL) | TABLE 1 PRODUCT INDICATORS | TABLE 2 DIRECT-CONTACT |
| Date Collected | 9/30/05 | 9/30/05 | 9/30/05 | 9/30/05 | 10/5/05 | 10/5/05 | 4/16/10 | 4/16/10 | 4/16/10 | 4/16/10 | --- | --- | --- | --- |
| Depth (feet bgs) | 3.75 | 5 | 7.5 | 3 | 11.5 | 9.7 | 2.5-5 | 23-25 | 2.5-5 | 27-28 | --- | --- | --- | --- |
| Detected VOCs (µg/kg) | | | | | | | | | | | | | | |
| Benzene | **11,000** | **8,400** | 31 | <25 | <25 | <25 | <35 | <35 | <35 | <35 | 5.5 (1) | --- | 8,500 | 1,100 |
| n-Butylbenzene | 11,000 | 15,000 | 350 | <25 | <25 | <25 | <46 | <46 | <46 | <46 | --- | --- | --- | --- |
| sec-Butylbenzene | 3,300 | <2,500 | 88 | <25 | <25 | <25 | <35 | <35 | <35 | <35 | --- | --- | --- | --- |
| Ethylbenzene | **20,000** | **56,000** | 880 | <25 | <25 | <25 | <56 | <56 | <56 | <56 | 2,900 (1) | --- | 4,600 | --- |
| Isopropylbenzene | 6,400 | 5,100 | 150 | <25 | <25 | <25 | <39 | <39 | <39 | <39 | --- | --- | --- | --- |
| p-Isopropyltoluene | <2,500 | <2,500 | 110 | <25 | <25 | <25 | <43 | <43 | <43 | <43 | --- | --- | --- | --- |
| Naphthalene | **40,000** | **38,000** | 430 | <25 | <25 | <25 | <53 | <53 | <53 | <53 | --- | --- | 2,700 | --- |
| n-Propylbenzene | 30,000 | 26,000 | 650 | <25 | <25 | <25 | <44 | <44 | <44 | <44 | --- | --- | --- | --- |
| Toluene | <2,500 | 37,000 | <25 | <25 | <25 | <25 | <51 | <51 | <51 | <51 | 1,500 (1) | --- | 38,000 | --- |
| 1,2,4-Trimethylbenzene | 5,900 | **160,000** | 52 | <25 | <25 | <25 | <73 | <73 | <73 | <73 | --- | --- | 83,000 | --- |
| 1,3,5-Trimethylbenzene | <2,500 | **46,000** | 33 | <25 | <25 | <25 | <57 | <57 | <57 | <57 | --- | --- | 11,000 | --- |
| Xylenes | 19,000 | **278,000** | 150 | <75 | <75 | <75 | <124 | <124 | <124 | <124 | 4,100 (1) | --- | 42,000 | --- |
| Detected PAHs (µg/kg) | | | | | | | | | | | | | | |
| Acenaphthene | <85 | <85 | <17 | <17 | <17 | <17 | <15.2 | <15.2 | <15.2 | <15.2 | 38,000 (2) | 900,000 (2) | --- | --- |
| Acenaphthylene | <95 | <95 | <19 | <19 | <19 | <19 | <5.1 | <5.1 | <5.1 | <5.1 | 700 (2) | 18,000 (2) | --- | --- |
| Anthracene | <55 | <55 | <11 | <11 | <11 | <11 | <6.4 | 20.2 | <6.4 | <6.4 | 3,000,000 (2) | 5,000,000 (2) | --- | --- |
| Benzo (a) anthracene | <60 | <60 | <12 | <12 | <12 | <12 | <12.9 | 109 | <12.9 | <12.9 | 17,000 (2) | 88 (2) | --- | --- |
| Benzo (a) pyrene | <40.5 | <40.5 | <8.1 | <8.1 | <8.1 | <8.1 | <4.7 | 120 | <4.7 | <4.7 | 48,000 (2) | 8.8 (2) | --- | --- |
| Benzo(b)fluoranthene | 102 J | 43 J | <7.5 | <7.5 | <7.5 | 26 | <6.5 | 198 | <6.5 | <6.5 | 360,000 (2) | 88 (2) | --- | --- |
| Benzo(g,h,i)perylene | 63 J | <42.5 | <8.5 | <8.5 | <8.5 | <8.5 | <7.7 | 106 | <7.7 | <7.7 | 6,800,000 (2) | 1,800 (2) | --- | --- |
| Benzo (k) fluoranthene | <70 | <70 | <14 | <14 | <14 | <14 | <9.8 | 75 | <9.8 | <9.8 | 870,000 (2) | 39,000 (2) | --- | --- |
| Chrysene | 121 J | <100 | <20 | <20 | <20 | 28 J | <8.9 | 163 | <8.9 | 9.4 J | 37,000 (2) | 8,800 (2) | --- | --- |
| Dibenz (a,h) anthracene | <55 | <55 | <11 | <11 | <11 | <11 | <5.5 | 17.4 J | <5.5 | <5.5 | 38,000 (2) | 8.8 | --- | --- |
| Fluoranthene | 327 | 70 J | <7.4 | <7.4 | <7.4 | 47 | <9.2 | 410 | <9.2 | <9.2 | 500,000 (2) | 600,000 (2) | --- | --- |
| Fluorene | 183 | <47.5 | <9.5 | <9.5 | <9.5 | <9.5 | <5.6 | 9.2 J | <5.6 | <5.6 | 100,000 (2) | 600,000 (2) | --- | --- |
| Indeno (1,2,3 - cd) pyrene | <47.5 | <47.5 | <9.5 | <9.5 | <9.5 | <9.5 | <7.8 | 87 | <7.8 | <7.8 | 680,000 (2) | 88 (2) | --- | --- |
| 1-methyl naphthalene | 12,000 | 4,240 | 42 | <11 | <11 | <11 | <15 | <15 | <15 | 16.8 J | 23,000 (2) | 1,100,000 (2) | --- | --- |
| 2-methyl naphthalene | 30,300 | 10,600 | 59 | <12 | <12 | <12 | <9.7 | 18.3 J | <9.7 | 24.3 J | 20,000 (2) | 600,000 (2) | --- | --- |
| Naphthalene | 19,400 | 7,170 | 63 | <17 | <17 | <17 | <16.2 | <16.2 | <16.2 | <16.2 | 400 (2) | 20,000 (2) | --- | --- |
| Phenanthrene | 564 | 84 J | <8.9 | <8.9 | <8.9 | 36 | <10.6 | 238 | <10.6 | 13.9 J | 1,800 (2) | 18,000 (2) | --- | --- |
| Pyrene | 225 | <55 | <11 | <11 | <11 | 24 J | <7.7 | 293 | <7.7 | <7.7 | 8,700,000 (2) | 500,000 (2) | --- | --- |
| Metals | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.039 (1) | --- | --- |
| Barium | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cadmium | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8 (1) | --- | --- |
| Chromium | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 14 (1) (3)/16,000 (1) (4) | --- | --- |
| Lead | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 50 (1) | --- | --- |
| Mercury | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Selenium | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Silver | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

*Notes:*

Bold concentrations exceed generic RCLs protective of groundwater
Boxed concentrations exceed NR 720 or NR 746 direct contact standards
Shaded concentrations exceed NR 746 Table 1 Soil Screening Level indicative of residual petroleum product in soil pores
--- - not analyzed or no standard established
(1) - NR 720 generic RCLs
(2) - Suggested generic RCLs PAHs Interim Guidance (WDNR), Publication RR-519-97, April 1997 corrected).
(3) - hexavalent
(4) - trivalent
bgs - below ground surface
J - detected between limit of detection and limit of quantitation
mg/kg - milligrams per kilogram
PAHs - polynuclear aromatic hydrocarbons
RCL - residual contaminant level
µg/kg - micrograms per kilogram
VOCs - volatile organic compounds

TABLE 1

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

DREAGER LANGENDORF FUNERAL HOME
1900-1910 Taylor Avenue
Racine, Wisconsin

| PARAMETERS | SAMPLE IDENTIFICATION | | | | | | | | | | | | | | GENERIC RCLs | | NR 746 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GP-1A | GP-1B | GP-2 | GP-3 | GP-4 | GP-5 | MW-1 | | MW-2 | | MW-3 | | MW-4 | | PROTECTION OF GROUNDWATER | DIRECT CONTACT (NON-INDUSTRIAL) | TABLE 1 PRODUCT INDICATORS | TABLE 2 DIRECT-CONTACT |
| Date Collected | 9/30/05 | 9/30/05 | 9/30/05 | 9/30/05 | 10/5/05 | 10/5/05 | 11/17/06 | 11/17/06 | 11/14/06 | 11/14/06 | 11/17/06 | 11/17/06 | 11/17/06 | 11/17/06 | | | | |
| Depth (feet bgs) | 3.75 | 5 | 7.5 | 3 | 11.5 | 9.7 | 2-4 | 10-12 | 2-4 | 12-14' | 2-4 | 25-27 | 2-4 | 27-29 | | | | |
| Detected VOCs (µg/kg) | | | | | | | | | | | | | | | | | | |
| Benzene | **11,000** | **8,400** | 31 | <25 | <25 | <25 | 170 | 2,400 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | --- | --- |
| n-Butylbenzene | 11,000 | 15,000 | 350 | <25 | <25 | <25 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | --- | --- | --- | --- |
| sec-Butylbenzene | 3,300 | <2,500 | 88 | <25 | <25 | <25 | <25 | 330 | <25 | <25 | <25 | <25 | <25 | <25 | 5.5 (1) | --- | --- | --- |
| Ethylbenzene | **20,000** | **68,000** | 880 | <25 | <25 | <25 | 65 | 4,500 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | 8,500 | 1,100 |
| Isopropylbenzene | 6,400 | 5,100 | 150 | <25 | <25 | <25 | <25 | 780 | <25 | <25 | <25 | <25 | <25 | <25 | 2,900 (1) | --- | --- | --- |
| p-Isopropyltoluene | <2,500 | <2,500 | 110 | <25 | <25 | <25 | <25 | 540 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | 4,600 | --- |
| Naphthalene | **40,000** | **38,000** | 430 | <25 | <25 | <25 | 47 J | 2,600 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | --- | --- |
| n-Propylbenzene | 30,000 | 26,000 | 850 | <25 | <25 | <25 | <25 | 2,600 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | --- | --- |
| Toluene | <2,500 | 37,000 | <25 | <25 | <25 | <25 | 31 J | 1,500 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | 2,700 | --- |
| 1,2,4-Trimethylbenzene | 5,900 | **160,000** | 52 | <25 | <25 | <25 | <25 | 7,000 | <25 | <25 | <25 | <25 | <25 | <25 | 1,500 (1) | --- | --- | --- |
| 1,3,5-Trimethylbenzene | <2,500 | **46,000** | 30 | <25 | <25 | <25 | <25 | 2,300 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | 38,000 | --- |
| Xylenes | 19,000 | **276,000** | 150 | <75 | <75 | <75 | 140 | 12,200 | <75 | <75 | <75 | <75 | <75 | <75 | --- | --- | 63,000 | --- |
| Detected PAHs (µg/kg) | | | | | | | | | | | | | | | 4,100 (1) | --- | 11,000 | --- |
| Acenaphthylene | <85 | <85 | <17 | <17 | <17 | <17 | 36 | <3.5 | <3.3 | <3.5 | <3.7 | <3.5 | <3.5 | 44 | 38,000 (2) | 900,000 (2) | 42,000 | --- |
| Acenaphthylene | <95 | <95 | <19 | <19 | <19 | <19 | <10 | <3.4 | <3.2 | <3.4 | 6.6 J | <3.4 | <3.4 | 400 | 700 (2) | 18,000 (2) | --- | --- |
| Anthracene | <55 | <55 | <11 | <11 | <11 | <11 | 160 | <4.2 | <4.0 | <4.2 | 16 J | <4.2 | <4.2 | 780 | 3,000,000 (2) | 5,000,000 (2) | --- | --- |
| Benzo (a) anthracene | <60 | <60 | <12 | <12 | <12 | <12 | 520 | 8.0 J | <5.9 | <6.2 | 16 | <6.2 | <6.3 | 170 | 17,000 (2) | 68 (2) | --- | --- |
| Benzo (a) pyrene | <40.5 | <40.5 | <8.1 | <8.1 | <8.1 | <8.1 | 530 | 9.6 J | 10 | <3.4 | 23 J | <3.4 | <3.4 | 210 | 48,000 (2) | 8.6 (2) | --- | --- |
| Benzo(b)fluoranthene | 102 J | 43 J | <7.5 | <7.5 | <7.5 | 26 | 640 | 13 | 13 | <3.3 | 32 | 3.8 J | <3.3 | 350 | 360,000 (2) | 80 (2) | --- | --- |
| Benzo(g,h,i)perylene | 63 J | <42.5 | <8.5 | <8.5 | <8.5 | <8.5 | 360 | 7.4 J | 9.3 | <4.2 | 12 J | <4.2 | <4.2 | 390 | 6,800,000 (2) | 1,800 (2) | --- | --- |
| Benzo (k) fluoranthene | <70 | <70 | <14 | <14 | <14 | <14 | 120 | 9.2 J | 13 | <3.6 | 26 | <3.6 | <3.6 | 290 | 670,000 (2) | 39,000 (2) | --- | --- |
| Chrysene | 121 J | <100 | <20 | <20 | <20 | 28 J | 720 | 14 J | 13 | <5.1 | 39 | 5.3 J | <5.2 | 320 | 37,000 (2) | 8,800 (2) | --- | --- |
| Dibenz (a,h) anthracene | <55 | <55 | <11 | <11 | <11 | <11 | 120 | <3.2 | <3.1 | <3.2 | 4.2 J | <3.2 | <3.3 | 80 | 38,000 (2) | 390 (2) | --- | --- |
| Fluoranthene | 327 | 70 J | <7.4 | <7.4 | <7.4 | 47 | 1,700 | 32 J | 24 | <3.4 | 58 | 9.4 J | <3.4 | 500 | 500,000 (2) | 600,000 (2) | --- | --- |
| Fluorene | 183 | <47.5 | <9.5 | <9.5 | <9.5 | <9.5 | 45 | 4.7 J | <3.8 | <4.0 | 4.7 J | <4.0 | <4.1 | 83 | 100,000 (2) | 600,000 (2) | --- | --- |
| Indeno (1,2,3 - cd) pyrene | <47.5 | <47.5 | <9.5 | <9.5 | <9.5 | <9.5 | 320 | 5.3 J | 7.0 | <3.0 | 9.8 J | <2.9 | <3.0 | 180 | 680,000 (2) | 88 (2) | --- | --- |
| 1-methyl naphthalene | 12,000 | 4,240 | 42 | <11 | <11 | <11 | 18 J | 260 | <3.4 | <3.6 | <3.8 | <3.5 | <3.6 | 20 J | 23,000 (2) | 1,100,000 (2) | --- | --- |
| 2-methyl naphthalene | 30,300 | 10,600 | 59 | <12 | <12 | <12 | 25 J | 620 | <3.5 | <3.7 | 4.0 J | <3.7 | <3.7 | 38 | 20,000 (2) | 600,000 (2) | --- | --- |
| Naphthalene | 19,400 | 7,170 | 63 | <17 | <17 | <17 | 32 J | 500 | <4.5 | <4.7 | <5.0 | <4.7 | <4.8 | 37 | 400 (2) | 20,000 (2) | --- | --- |
| Phenanthrene | 584 | 84 J | <8.9 | <8.9 | <8.9 | 38 | 950 | 27 | 13 | <3.5 | 44 | 11 J | <3.5 | 250 | 1,800 (2) | 18,000 (2) | --- | --- |
| Pyrene | 225 | <55 | <11 | <11 | <11 | 24 J | 1,300 | 25 | 19 | <2.9 | 88 | 7.5 J | <2.9 | 570 | 8,700,000 (2) | 500,000 (2) | --- | --- |
| Metals | | | | | | | | | | | | | | | | | | |
| Arsenic | --- | --- | --- | --- | --- | --- | 4.1 | 3.4 | 3.4 | --- | 4.4 | 4.0 | 6.3 | 4.5 | --- | 0.039 (1) | --- | --- |
| Barium | --- | --- | --- | --- | --- | --- | 20 | 29 | 37 | --- | 120 | 57 | 67 | 40 | --- | --- | --- | --- |
| Cadmium | --- | --- | --- | --- | --- | --- | 0.21 | 0.28 | 0.22 | --- | 0.25 | 0.20 | 0.22 | 0.17 J | --- | 8 (1) | --- | --- |
| Chromium | --- | --- | --- | --- | --- | --- | 8.5 | 12 | 15 | --- | 27 | 23 | 25 | 17 | --- | 14 (1) (3)/16,000 (1) (4) | --- | --- |
| Lead | --- | --- | --- | --- | --- | --- | 12 | 24 | 10 | --- | 16 | 7.9 | 11 | 7.0 | --- | 50 (1) | --- | --- |
| Mercury | --- | --- | --- | --- | --- | --- | 0.038 | 0.022 | 0.010 | --- | 0.063 | 0.015 | 0.018 | 0.013 | --- | --- | --- | --- |
| Selenium | --- | --- | --- | --- | --- | --- | <0.87 | <0.95 | <0.90 | --- | <1.0 | <0.95 | <0.97 | <0.90 | --- | --- | --- | --- |
| Silver | --- | --- | --- | --- | --- | --- | <0.26 | <0.28 | <0.27 | --- | <0.30 | <0.28 | <0.29 | <0.27 | --- | --- | --- | --- |

*Notes:*

Bold concentrations exceed generic RCLs protective of groundwater
Boxed concentrations exceed NR 720 or NR 746 direct contact standards
Shaded concentrations exceed NR 746 Table 1 Soil Screening Level indicative of residual petroleum product in soil pores
--- - not analyzed or no standard established
(1) - NR 720 generic RCLs
(2) - Suggested generic RCLs PAHs Interim Guidance (WDNR), Publication RR-519-97, April 1997 corrected),
bgs - below ground surface
J - detected between limit of detection and limit of quantitation
mg/kg - milligrams per kilogram
PAHs - polynuclear aromatic hydrocarbons
RCL - residual contaminant level
µg/kg - micrograms per kilogram
VOCs - volatile organic compounds

TABLE 1

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

DREAGER LANGENDORF FUNERAL HOME
1900-1910 Taylor Avenue
Racine, Wisconsin

| PARAMETERS | MW-1 | | MW-2 | | MW-3 | | MW-4 | | GENERIC RCLs: PROTECTION OF GROUNDWATER | GENERIC RCLs: DIRECT CONTACT (NON-INDUSTRIAL) | NR 746: TABLE 1 PRODUCT INDICATORS | NR 746: TABLE 2 DIRECT-CONTACT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date Collected | 11/17/06 | 11/17/06 | 11/14/06 | 11/14/06 | 11/17/06 | 11/17/06 | 11/17/06 | 11/17/06 | --- | --- | --- | --- |
| Depth (feet bgs) | 2-4 | 10-12 | 2-4 | 12-14 | 2-4 | 25-27 | 2-4 | 27-29 | --- | --- | --- | --- |
| Detected VOCs (µg/kg) | | | | | | | | | | | | |
| Benzene | **170** | **2,400** | <25 | <25 | <25 | <25 | <25 | <25 | 5.5 (1) | --- | 8,500 | 1,100 |
| n-Butylbenzene | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | --- | --- | --- | --- |
| sec-Butylbenzene | <25 | 330 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | --- | --- |
| Ethylbenzene | 85 | 4,500 | <25 | <25 | <25 | <25 | <25 | <25 | 2,900 (1) | --- | 4,600 | --- |
| Isopropylbenzene | <25 | 780 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | --- | --- |
| p-Isopropyltoluene | <25 | 540 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | --- | --- |
| Naphthalene | 47 J | 2,600 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | 2,700 | --- |
| n-Propylbenzene | <25 | 2,600 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | --- | --- |
| Toluene | 31 J | 1,500 | <25 | <25 | <25 | <25 | <25 | <25 | 1,500 (1) | --- | 38,000 | --- |
| 1,2,4-Trimethylbenzene | <25 | 7,000 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | 83,000 | --- |
| 1,3,5-Trimethylbenzene | <25 | 2,300 | <25 | <25 | <25 | <25 | <25 | <25 | --- | --- | 11,000 | --- |
| Xylenes | 140 | 12,200 | <75 | <75 | <75 | <75 | <75 | <75 | 4,100 (1) | --- | 42,000 | --- |
| Detected PAHs (µg/kg) | | | | | | | | | | | | |
| Acenaphthene | 36 | <3.5 | <3.3 | <3.5 | <3.7 | <3.5 | <3.5 | 44 | 38,000 (2) | 900,000 (2) | --- | --- |
| Acenaphthylene | <10 | <3.4 | <3.2 | <3.4 | 6.6 J | <3.4 | <3.4 | 400 | 700 (2) | 18,000 (2) | --- | --- |
| Anthracene | 160 | <4.2 | <4.0 | <4.2 | 16 J | <4.2 | <4.2 | 780 | 3,000,000 (2) | 5,000,000 (2) | --- | --- |
| Benzo (a) anthracene | 520 | 8.0 J | <5.9 | <6.2 | 16 | <6.2 | <6.3 | 170 | 17,000 (2) | 88 (2) | --- | --- |
| Benzo (a) pyrene | 530 | 9.6 J | 10 | <3.4 | 23 J | <3.4 | <3.4 | 210 | 48,000 (2) | 8.8 (2) | --- | --- |
| Benzo(b)fluoranthene | 640 | 13 | 13 | <3.3 | 32 | 3.8 J | <3.3 | 350 | 360,000 (2) | 88 (2) | --- | --- |
| Benzo(g,h,i)perylene | 360 | 7.4 J | 9.3 | <4.2 | 12 J | <4.2 | <4.2 | 390 | 6,800,000 (2) | 1,800 (2) | --- | --- |
| Benzo (k) fluoranthene | 120 | 9.2 J | 13 | <3.6 | 26 | <3.6 | <3.6 | 290 | 870,000 (2) | 39,000 (2) | --- | --- |
| Chrysene | 720 | 14 J | 13 | <5.1 | 39 | 5.3 J | <5.2 | 320 | 37,000 (2) | 8,800 (2) | --- | --- |
| Dibenz (a,h) anthracene | 120 | <3.2 | <3.1 | <3.2 | 4.2 J | <3.2 | <3.3 | 60 | 38,000 (2) | 8.8 | --- | --- |
| Fluoranthene | 1,700 | 32 J | 24 | <3.4 | 56 | 9.4 J | <3.4 | 500 | 500,000 (2) | 600,000 (2) | --- | --- |
| Fluorene | 45 | 4.7 J | <3.8 | <4.0 | 4.7 J | <4.0 | <4.1 | 63 | 100,000 (2) | 600,000 (2) | --- | --- |
| Indeno (1,2,3 - cd) pyrene | 320 | 5.3 J | 7.0 | <3.0 | 9.8 J | <2.9 | <3.0 | 180 | 680,000 (2) | 88 (2) | --- | --- |
| 1-methyl naphthalene | 18 J | 260 | <3.4 | <3.6 | <3.8 | <3.5 | <3.6 | 20 J | 23,000 (2) | 1,100,000 (2) | --- | --- |
| 2-methyl naphthalene | 25 J | 620 | <3.5 | <3.7 | 4.0 J | <3.7 | <3.7 | 38 | 20,000 (2) | 600,000 (2) | --- | --- |
| Naphthalene | 32 J | 500 | <4.5 | <4.7 | <5.0 | <4.7 | <4.8 | 37 | 400 (2) | 20,000 (2) | --- | --- |
| Phenanthrene | 950 | 27 | 13 | <3.5 | 44 | 11 J | <3.5 | 250 | 1,800 (2) | 18,000 (2) | --- | --- |
| Pyrene | 1,300 | 25 | 19 | <2.9 | 86 | 7.5 J | <2.9 | 570 | 8,700,000 (2) | 500,000 (2) | --- | --- |
| Metals | | | | | | | | | | | | |
| Arsenic | 4.1 | 3.4 | 3.4 | --- | 4.4 | 4.0 | 6.3 | 4.5 | --- | 0.039 (1) | --- | --- |
| Barium | 20 | 29 | 37 | --- | 120 | 57 | 67 | 40 | --- | --- | --- | --- |
| Cadmium | 0.21 | 0.28 | 0.22 | --- | 0.25 | 0.20 | 0.22 | 0.17 J | --- | 8 (1) | --- | --- |
| Chromium | 8.5 | 12 | 15 | --- | 27 | 23 | 25 | 17 | --- | 14 (1) (3)/16,000 (1) (4) | --- | --- |
| Lead | 12 | 24 | 10 | --- | 16 | 7.9 | 11 | 7.0 | --- | 50 (1) | --- | --- |
| Mercury | 0.038 | 0.022 | 0.010 | --- | 0.063 | 0.015 | 0.018 | 0.013 | --- | --- | --- | --- |
| Selenium | <0.87 | <0.95 | <0.90 | --- | <1.0 | <0.95 | <0.97 | <0.93 | --- | --- | --- | --- |
| Silver | <0.26 | <0.28 | <0.27 | --- | <0.30 | <0.28 | <0.29 | <0.27 | --- | --- | --- | --- |

*Notes:*

Bold concentrations exceed generic RCLs protective of groundwater
Boxed concentrations exceed NR 720 or NR 746 direct contact standards
Shaded concentrations exceed NR 746 Table 1 Soil Screening Level indicative of residual petroleum product in soil pores
--- - not analyzed or no standard established
(1) - NR 720 generic RCLs
(2) - Suggested generic RCLs PAHs Interim Guidance (WDNR), Publication RR-519-97, April 1997 corrected).
(3) - hexavalent
(4) - trivalent
bgs - below ground surface
J - detected between limit of detection and limit of quantitation
mg/kg - milligrams per kilogram
PAHs - polynuclear aromatic hydrocarbons
RCL - residual contaminant level
µg/kg - micrograms per kilogram
VOCs - volatile organic compounds

**TABLE 2**

**SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS**

**DREAGER LANGENDORF FUNERAL HOME**
1900-1910 Taylor Avenue
Racine, Wisconsin

| PARAMETERS | SAMPLE IDENTIFICATION | | | | | | | | | | | | | | | | | NR 140 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GP-5 | MW-1 | | | | MW-2 | | | | MW-3 | | | | MW-4 | | | | ES | PAL |
| Date Collected | 10/7/05 | 11/20/06 | 8/24/07 | 3/31/09 | 7/20/09 | 11/20/06 | 8/24/07 | 3/31/09 | 7/20/09 | 12/22/06 | 8/24/07 | 3/31/09 | 7/20/09 | 12/22/06 | 8/24/07 | 3/31/09 | 7/20/09 | | |
| Detected VOCs (µg/l) | | | | | | | | | | | | | | | | | | — | — |
| Benzene | <0.26 | **400** | **120** | **287** | **17.7** | <0.41 | <0.47 | <0.41 | <0.41 | <0.41 | <0.47 | <0.41 | <0.41 | <0.41 | <0.47 | <0.41 | <0.41 | 5 | 0.5 |
| Chloroform | <0.78 | <1.8 | <0.48 | <5.2 | <0.48 | <0.37 | <0.48 | <1.3 | <0.48 | 0.51 Q | <0.48 | <1.3 | <0.48 | 0.39 Q | <0.48 | <1.3 | <0.48 | 6 | 0.6 |
| 1,2-Dichloroethane | <0.25 | <1.8 | <0.45 | <1.4 | 0.71 J | <0.36 | <0.45 | <0.36 | <0.43 | <0.36 | <0.45 | <0.36 | <0.43 | <0.36 | <0.45 | <0.36 | <0.43 | | |
| Ethylbenzene | <0.3 | <2.7 | 1.45 | <2.2 | <0.87 | <0.54 | <0.38 | <0.54 | <0.87 | <0.54 | <0.38 | <0.54 | <0.87 | <0.54 | <0.38 | <0.54 | <0.87 | 700 | 140 |
| Isopropylbenzene | <0.56 | <2.9 | 0.78 J | <2.4 | <0.39 | <0.59 | <0.48 | <0.59 | <0.39 | <0.59 | <0.48 | <0.59 | <0.39 | <0.59 | <0.48 | <0.59 | <0.39 | — | — |
| Methylene Chloride | <0.55 | **4.7 Q** | <0.69 | <1.7 | <1.5 | <0.43 | <0.69 | <0.43 | <1.5 | <0.43 | <0.69 | <0.43 | <1.5 | <0.43 | <0.69 | <0.43 | <1.5 | 5 | 0.5 |
| n-Propylbenzene | <0.56 | <4.1 | 0.53 J | <3.2 | <0.33 | <0.81 | <0.38 | <0.81 | <0.33 | <0.81 | <0.38 | <0.81 | <0.33 | <0.81 | <0.38 | <0.81 | <0.33 | — | — |
| Toluene | <0.52 | <3.4 | 1.3 J | <2.7 | <0.51 | <0.67 | <0.46 | <0.67 | <0.51 | <0.67 | <0.46 | 0.69 J | <0.51 | <0.67 | <0.46 | <0.67 | <0.51 | 1,000 | 200 |
| Xylenes | <1.17 | <13.1 | 1.83 J | <10.5 | <2.13 | <2.63 | <0.99 | <2.63 | <2.13 | <2.63 | <0.99 | <2.63 | <2.13 | <2.63 | <0.99 | <2.63 | <2.13 | 10,000 | 1,000 |
| Detected PAHs (µg/l) | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | — | 0.019 Q | <0.015 | <0.0079 | <0.009 | 0.014 Q | <0.015 | <0.0080 | <0.009 | <0.0085 | <0.015 | <0.066 | <0.009 | <0.0082 | <0.015 | <0.0090 | <0.009 | — | — |
| Acenaphthylene | — | 0.030 Q | <0.016 | <0.0050 | <0.011 | <0.0085 | <0.016 | <0.0051 | <0.011 | 0.011 Q | <0.016 | <0.042 | <0.011 | <0.0081 | <0.016 | <0.0057 | <0.011 | — | — |
| Anthracene | — | 0.030 Q | <0.013 | <0.0066 | <0.01 | 0.030 Q | <0.013 | 0.011 J | <0.01 | 0.027 Q | <0.013 | 0.24 J | <0.01 | <0.012 | <0.013 | <0.0075 | <0.01 | 3,000 | 600 |
| Benzo (a) anthracene | — | **0.055 Q** | 0.019 J | 0.0079 J | <0.017 | 0.036 Q | <0.015 | 0.042 J | <0.017 | 0.15 | 0.107 | 1.5 | <0.017 | 0.044 Q | 0.022 J | 0.052 J | <0.017 | — | — |
| Benzo (a) pyrene | — | **0.12 Q** | <0.015 | 0.010 J | <0.014 | **0.059 Q** | <0.015 | **0.065** | <0.014 | **0.24** | **0.137** | **2.0** | <0.014 | **0.068** | 0.018 J | **0.083** | <0.014 | 0.2 | 0.02 |
| Benzo (b) fluoranthene | — | **0.15** | **0.028 J** | 0.019 J | <0.018 | **0.082** | <0.014 | 0.10 | <0.018 | **0.35** | **0.245** | **2.8** | <0.018 | **0.095** | **0.035 J** | **0.11** | <0.018 | 0.2 | 0.02 |
| Benzo (ghi) perylene | — | 0.11 Q | <0.015 | 0.013 J | <0.018 | 0.069 | <0.015 | 0.065 | <0.018 | 0.24 | 0.116 | 1.7 | <0.018 | 0.067 | <0.015 | 0.081 | <0.018 | — | — |
| Benzo (k) fluoranthene | — | 0.12 Q | <0.023 | 0.015 J | <0.029 | 0.058 Q | <0.023 | 0.066 | <0.029 | 0.25 | 0.081 | 2.0 | <0.029 | 0.073 | <0.023 | 0.094 | <0.029 | — | — |
| Chrysene | — | **0.16** | **0.027 J** | 0.019 J | <0.01 | **0.11** | <0.016 | **0.095** | <0.01 | **0.30** | **0.174** | **2.4** | 0.015 J | **0.093** | **0.026 J** | **0.10** | <0.01 | 0.2 | 0.02 |
| Dibenz(a,h)anthracene | — | <0.036 | <0.015 | <0.0043 | <0.019 | <0.020 | <0.015 | 0.013 J | <0.019 | 0.046 Q | 0.021 J | 0.47 | <0.019 | <0.019 | <0.015 | 0.017 J | <0.019 | — | — |
| Fluoranthene | — | 0.42 | 0.066 | 0.033 J | <0.013 | 0.24 | 0.023 J | 0.18 | <0.013 | 0.59 | 0.36 | 4.6 | 0.027 J | 0.18 | 0.056 | 0.16 | <0.013 | 400 | 80 |
| Fluorene | — | 0.028 Q | <0.019 | <0.0063 | <0.013 | 0.018 Q | <0.019 | <0.0064 | <0.013 | <0.0094 | <0.019 | 0.10 J | <0.013 | <0.0091 | <0.019 | <0.0072 | <0.013 | 400 | 80 |
| Indeno (1,2,3-cd) pyrene | — | 0.083 Q | <0.014 | 0.010 J | <0.019 | 0.043 Q | <0.014 | 0.052 | <0.019 | 0.19 | 0.118 | 1.5 | <0.019 | 0.050 Q | 0.014 J | 0.067 | <0.019 | — | — |
| 1-Methylnaphthalene | — | 0.096 | 0.027 J | <0.0096 | <0.013 | 0.053 | <0.018 | <0.0098 | <0.013 | 0.018 | 0.024 J | <0.080 | <0.013 | 0.026 Q | <0.018 | <0.011 | <0.013 | — | — |
| 2-Methylnaphthalene | — | 0.24 | 0.037 J | <0.011 | <0.019 | 0.099 | <0.021 | <0.011 | <0.019 | 0.031 | 0.044 J | <0.090 | <0.019 | 0.046 QB | <0.021 | 0.015 J | <0.019 | — | — |
| Naphthalene | — | 0.091 | 0.044 J | 0.23 | <0.024 | 0.034 Q | <0.018 | <0.017 | <0.024 | 0.033 QB | 0.045 J | <0.14 | <0.024 | 0.040 | 0.040 J | <0.019 | <0.024 | 40 | 8 |
| Phenanthrene | — | 0.29 | 0.037 J | 0.016 J | <0.015 | 0.26 | <0.017 | 0.088 | <0.015 | 0.24 | 0.134 | 1.8 | <0.015 | 0.073 | 0.025 J | 0.062 | <0.015 | — | — |
| Pyrene | — | 0.28 | 0.053 | 0.030 J | <0.012 | 0.16 | 0.024 J | 0.15 | <0.012 | 0.47 | 0.28 | 3.7 | 0.028 J | 0.14 | 0.047 | 0.13 | <0.012 | 250 | 50 |

*Notes:*

Bold concentrations exceed NR 140 PAL
Boxed concentrations exceed NR 140 ES
— - not analyzed, not applicable or no standard established
B - Analyte detected in the method blank
ES - enforcement standard
PAHs - polynuclear aromatic hydrocarbons
PAL - preventive action limit
Q - analyte detected between limit of detection and limit of quantitation
µg/l - micrograms per kilogram
VOCs - volatile organic compounds

TABLE 3

SUMMARY OF GROUNDWATER DEPTHS AND ELEVATIONS

FORMER DRAEGER LANGENDORF FUNERAL HOME

1900 and 1910 TAYLOR AVENUE
RACINE, WISCONSIN

| WELL IDENTIFICATION (DATE MEASURED) | TOP OF WELL CASING ELEVATION (FEET MSL) | DEPTH TO GROUNDWATER FROM WELL CASING (FEET) | GROUNDWATER ELEVATION (FEET MSL) |
|---|---|---|---|
| **MW-1** | | | |
| 8/24/2007 | 639.5 | 0.65 | 638.9 |
| 3/31/2009 | | 0.20 | 639.3 |
| 7/20/2009 | | 2.90 | 636.6 |
| | | | |
| **MW-2** | | | |
| 8/24/2007 | 639.1 | 6.71 | 632.4 |
| 3/31/2009 | | 6.4 | 632.7 |
| 7/20/2009 | | 6.8 | 632.3 |
| | | | |
| **MW-3** | | | |
| 8/24/2007 | 640.0 | 9.24 | 630.8 |
| 3/31/2009 | | 0 | 640.0 |
| 7/20/2009 | | 5.4 | 634.6 |
| | | | |
| **MW-4** | | | |
| 8/24/2007 | 638.98 | 4.87 | 634.1 |
| 3/31/2009 | | 19.4 | 619.6 |
| 7/20/2009 | | 20.7 | 618.3 |
| | | | |

RIGHT-OF-WAY

KEY ENGINEERING GROUP LTD.

735 North Water Street, Suite 1000
Milwaukee, Wisconsin 53202

(414) 224-8300
(800) 645-7365
Fax (414) 224-8383

March 8, 2010

Mr. Richard M. Jones
Commissioner of Public Works / City Engineer
City of Racine Department of Public Works
City Hall, Room 303
730 Washington Avenue
Racine, Wisconsin 53403

Reference: *Contamination in Right-of-Way or Adjacent Property*
Former Draeger – Langendorf Funeral Home
1900 and 1910 Taylor Avenue
Racine, Wisconsin 53403
Parcel ID # 276000014011003
WDNR BRRTS# 03-52-545225
Commerce # 53403-2412-00-A

KEY ENGINEERING GROUP, LTD.
Project No. 1509009.1

Dear Mr. Jones:

This letter is intended to inform the City of Racine that petroleum contaminated soil exists within the parking lot at the above referenced site and the adjacent right-of-way of 19th Street. Based upon laboratory data, soil (estimated to be 3 to 12 feet below grade) beneath the parking lot remains marginally impacted.

The attached table (Tables 1) and figures (Figures 1 and Figure 2) summarize and depict the approximate extent of the release. This release is currently under review for closure from the Wisconsin Department of Commerce. Notification to the City of Racine that contamination exists within the right-of-way is required for site closure consideration.

No further investigation or remediation is planned for this release. Please feel free to contact us at (414) 224-8300 if you have any questions regarding this letter.

Sincerely,

KEY ENGINEERING GROUP, LTD

Robert C. Merkel, Jr.
Project Engineer

D'Arcy J. Gravelle
Vice President – Environmental Division

RCM/dmm

Attachments:

| | | |
|---|---|---|
| | Table 1 | Summary of Soil Analytical Results |
| | Table 2 | Summary of Groundwater Analytical Results |
| | Figure 1 | Site Location Map |
| | Figure 2 | Site Layout |

cc: Mr. Gary Langendorf, Draeger-Langendorf Funeral Home

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