

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

CLOSURE DATE: Feb 19, 2009

BRRTS #: 02-41-553112

FID #: 341707720

ACTIVITY NAME: Houser Property former Midas Automotive

DATCP #:

PROPERTY ADDRESS: 3706 w. Wisconsin Ave.

COMM #:

MUNICIPALITY: Milwaukee

PARCEL ID #: 387-0204-100-4

*WTM COORDINATES:

WTM COORDINATES REPRESENT:

X: 686174 Y: 287182

Approximate Center Of Contaminant Source

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

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

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

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

Land Use Controls:

Soil: maintain industrial zoning (220)

Cover or Barrier (222)

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

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

Structural Impediment (224)

Vapor Mitigation (226)

Site Specific Condition (228)

Maintain Liability Exemption (230)

*(note: local government or economic
development corporation)*

Monitoring wells properly abandoned? (234)

Yes No N/A

*Residual Contaminant Level

**Site Specific Residual Contaminant Level

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 #: PARCEL ID #:

ACTIVITY NAME: WTM COORDINATES: X: Y:

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 #: A-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 #: A-2 **Title: Site Plan with Boring Locations**
 - 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 #: A-3 **Title: Inferred Extent of Soil Impact**

BRRTS #: 02-41-553112

ACTIVITY NAME: HOUSER PROPERTY FORMER MIDAS AUTOMOTIVE

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 #: **Title: Not applicable - soil section uniform across site.**

Figure #: **Title:**

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 #: **Title: Not applicable - limited groundwater data.**

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

Figure #: **Title: Not applicable-Only one well available for sampling. Groundwater flow inferred to west.**

Figure #: **Title:**

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 #: **Title:**

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 #: **Title:**

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 #: **Title: None available.**

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 #: 02-41-553112

ACTIVITY NAME: HOUSER PROPERTY FORMER MIDAS AUTOMOTIVE

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:



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128
FAX 414-263-8606
Telephone 414-263-8500
TTY Access via relay - 711

February 19, 2009

Mr. Peter Houser
Houser Property 3706, LLC
940 Hennepin Ave.
Minneapolis, MN 55414

SUBJECT: Final Case Closure with Land Use Limitations or Conditions
Houser Property - former Midas Automotive, 3706 West Wisconsin Avenue,
Milwaukee, WI
WDNR BRRTS Activity #: 02-41-553112 FID#341707720

Dear Mr. Houser:

The Wisconsin Department of Natural Resources (the Department) has reviewed a request for closure of the above referenced case that was submitted on your behalf by Mark Borucki, GZA GeoEnvironmental, Inc. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases.

Based on the correspondence and data provided, it appears that your case meets the closure requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

GIS Registry

The conditions of case closure set out below in this letter require that your site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- If a structural impediment that obstructs a complete site investigation or cleanup is removed or modified, additional environmental work must be completed

Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter are met.

Structural Impediments

Soil contamination was discovered on this property beneath the garage portion of the site building. Structural impediments existing at the time of cleanup, the concrete building floor, made complete investigation of the soil contamination impracticable. Pursuant to s. 292.12(2)(b), Wis. Stats., if the building floor in the area of the hydraulic hoists is removed, the property owner shall conduct an investigation of the degree and extent of polyaromatic hydrocarbon contamination. If contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly remediated in accordance with applicable statutes and rules. If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The Department appreciates the efforts you have taken to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Nancy Ryan at (414) 263-8533.

Sincerely,

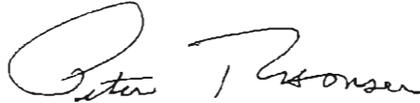


Frances M. Koonce
Southeast Region Remediation & Redevelopment Sub-Team Supervisor

cc: SER site file
Mark Borucki, GZA GeoEnvironmental, Inc.

CERTIFICATION

I, Peter R. Houser, as Responsible Party for performing closure activities at the property located at 3706 West Wisconsin Avenue, City of Milwaukee, Wisconsin, do hereby certify that to the best of my knowledge the legal descriptions included are complete and accurate.

A handwritten signature in black ink that reads "Peter R. Houser". The signature is written in a cursive style with a large initial "P" and "H".

Peter R. Houser
Houser Property 3706, LLC

© 2008 - GZA GeoEnvironmental, Inc. GZA-1\152000\152099\152068\Task 1 - Wisconsin Avenue\DRAWINGS\AutoCAD\FIGURE 1.dwg [FIG 1 (3)] January 29, 2009 - 2:25pm justin.hegarty



SOURCE: U.S.G.S. MILWAUKEE, WIS.
 QUADRANGLE MAP (1958)
 PHOTOREVISED (1971)

PREPARED BY: **GZA GeoEnvironmental, Inc.**
 Engineers and Scientists
 20800 SWENSON DRIVE, SUITE 150
 WAUKEGHA, WISCONSIN 53196
 (262) 754-2560

PREPARED FOR:

PROJ MGR: MKB REVIEWED BY: MKB CHECKED BY: MKB
 DESIGNED BY: MKB DRAWN BY: JAH SCALE: 1 : 24000

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|-----|-------------------|----|------|
| | | | |

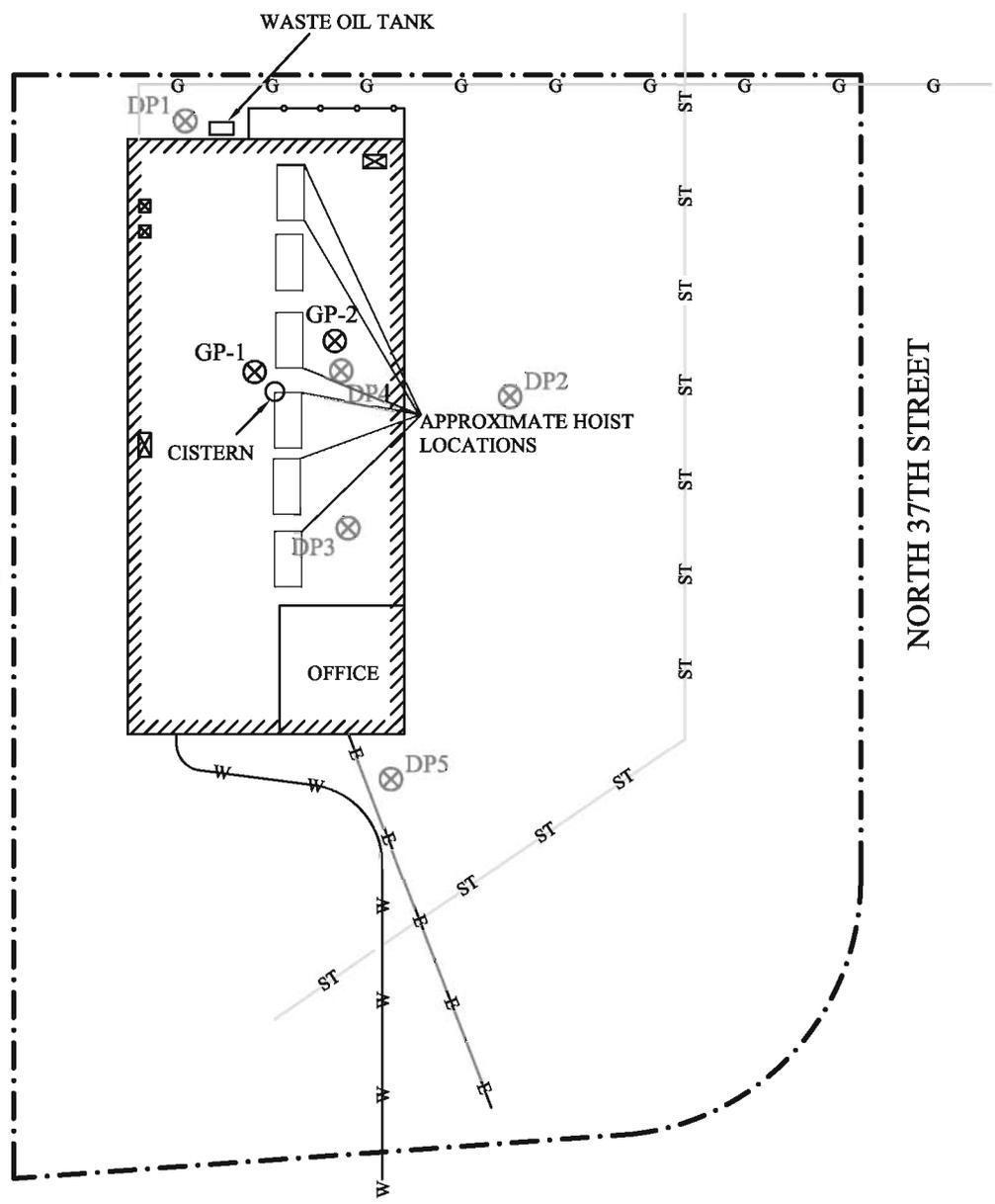
SITE LOCATION MAP

MIDAS STORE
 3706 WEST WISCONSIN AVENUE
 MILWAUKEE, WISCONSIN

FIGURE
A-1
 SHEET NO.

DATE: 11/10/08 PROJECT NO.: 20.0152068 REVISION NO.:

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.



LEGEND

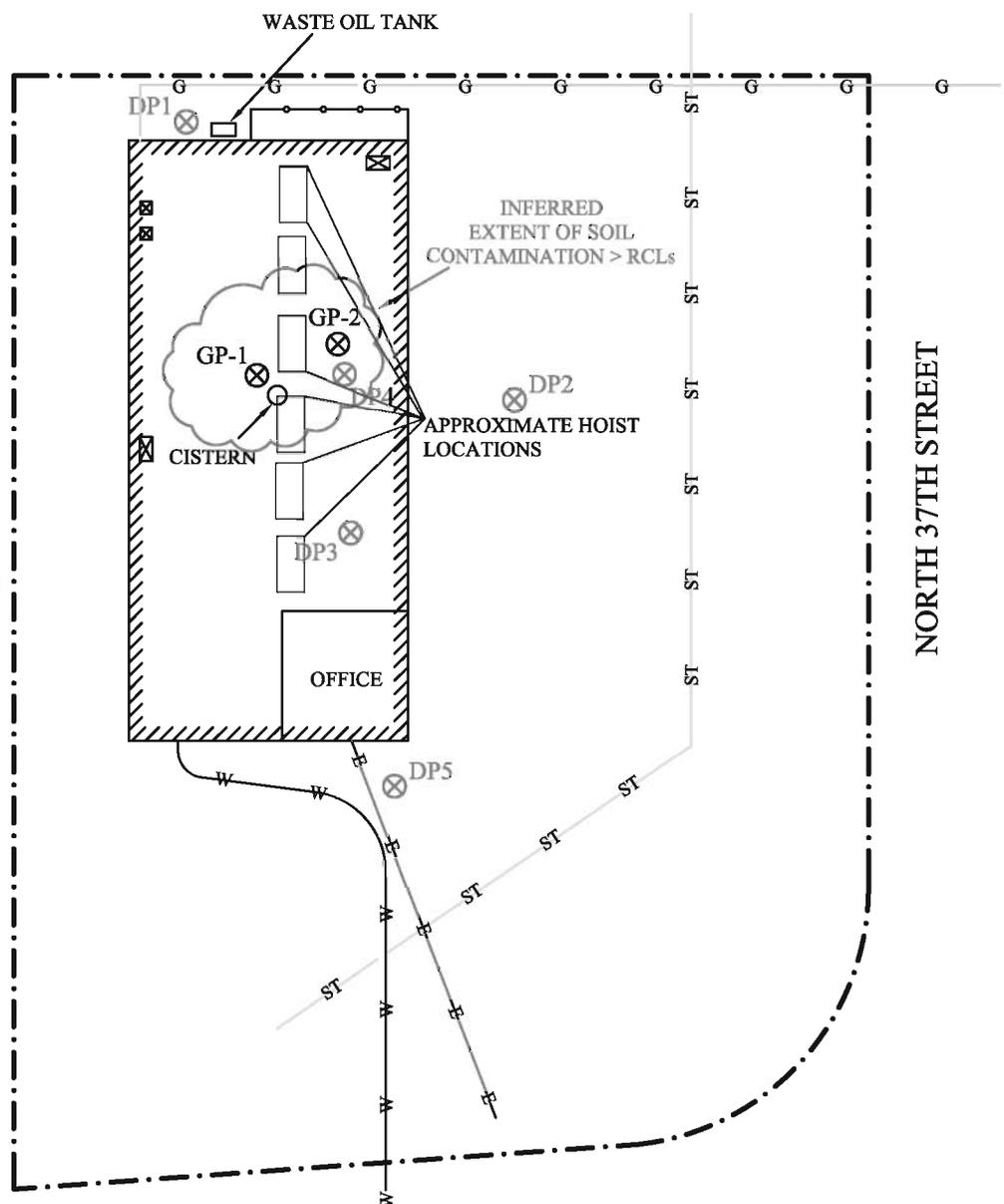
- BUILDING FOOTPRINT
- PROPERTY BOUNDARY
- FENCE
- ELECTRIC LINE
- GAS MAIN
- STORM SEWER
- WATER MAIN
- ABOVE GROUND STORAGE TANK
- DP-4-1 PREVIOUS GEOPROBE BORING BY BT²
- DP-4-1 BT² MONITORING WELL
- GP-3 GZA GEOPROBE BORING

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
 20900 SWENSON DRIVE, SUITE 150
 WAUKESHA, WISCONSIN 53186
 (262) 764-2650

PREPARED FOR:
 PROJ MGR: MKB REVIEWED BY: MKB CHECKED BY: MKB DATE: 10/24/08
 DESIGNED BY: MKB DRAWN BY: JAH SCALE:

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|-------------------|----|--------------------------|
| SITE PLAN WITH BORING LOCATIONS | | | |
| MIDAS STORE 3706 WEST WISCONSIN AVENUE MILWAUKEE, WISCONSIN | | | FIGURE A-2 |
| PROJECT NO. 20.0152068 | | | SHEET NO. |
| REVISION NO. | | | |



LEGEND

- BUILDING FOOTPRINT
- PROPERTY BOUNDARY
- FENCE
- ELECTRIC LINE
- GAS MAIN
- STORM SEWER
- WATER MAIN
- ABOVE GROUND STORAGE TANK
- INFERRED EXTENT OF SOIL CONTAMINATION > RCLs
- DP4-1 PREVIOUS GEOPROBE BORING BY BT²
- DP4-1 BT² MONITORING WELL
- GP-3 GZA GEOPROBE BORING

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

PREPARED BY:
GZA GeoEnvironmental, Inc.
 Engineers and Scientists
 20900 SWENSON DRIVE, SUITE 150
 WAUKESHA, WISCONSIN 53186
 (262) 764-2650

PREPARED FOR:
 PROJ MGR: MKB REVIEWED BY: MKB CHECKED BY: MKB
 DESIGNED BY: MKB DRAWN BY: JAH SCALE:

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|---------------------------------------|--------------|-----------------------------------|
| | INFERRED EXTENT OF SOIL CONTAMINATION | | |
| MIDAS STORE 3706 WEST WISCONSIN AVENUE MILWAUKEE, WISCONSIN | | | FIGURE A-3 SHEET NO. |
| DATE | PROJECT NO. | REVISION NO. | |
| 1/30/09 | 20.0152068 | | |

TABLE C-1
SOIL ANALYTICAL RESULTS
Midas Automotive Shop
3706 West Wisconsin Avenue
Milwaukee, Wisconsin

| Sample ID | Lowest Soil Cleanup Levels for PAHs (RR-519-97) | GP-1 0-2 GZA | GP-1 6-8 GZA | GP-2 0-2 GZA | GP-2 6-8 GZA | DP1-S3 BT | DP2-S4 BT | DP3-S4 BT | DP4-S4 BT | DP5-S3 BT |
|--|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Sample Location | | GP-1 | GP-1 | GP-2 | GP-2 | DP1 | DP2 | DP3 | DP4 | DP5 |
| Sampling Depth (ft) | | 0'-2' | 6'-8' | 0'-2' | 6'-8' | Not Provided |
| Polycyclic Aromatic Hydrocarbons (PAHs) (µg/kg) | | | | | | | | | | |
| Fluorene | 100,000 ¹ | 89 | <11 | <12 | <11 | <11 | <11 | <11 | NA | NA |
| Phenanthrene | 1,800 ¹ | 670 | 48 | 27 | 280 | <5.5 | <5.5 | <5.6 | NA | NA |
| Acenaphthene | 900,000 ² | 170 | <56 | <60 | <56 | <55 | <55 | <56 | NA | NA |
| Anthracene | 3,000,000 ¹ | 280 | 6.4 | <6.0 | 7.7 | <5.5 | <5.5 | <5.6 | NA | NA |
| Fluoranthene | 500,000 ¹ | 1,800 | 130 | 86 | <11 | <11 | <11 | <11 | NA | NA |
| Pyrene | 500,000 ¹ | 1,300 | 57 | 64 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| Benzo(a)anthracene | 88 ² | 1,300 | <5.6 | 43 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| Chrysene | 8,800 ² | 840 | <5.6 | 36 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| Benzo(b)fluoranthene | 88 ² | 720 | <5.6 | 32 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| Benzo(k)fluoranthene | 880 ² | 420 | <5.6 | 18 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| Benzo(a)pyrene | 8.8 ² | 1,000 | <5.6 | 38 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| Dibenzo(a,h)anthracene | 8.8 ² | 140 | <8.5 | <9.1 | <8.4 | <8.3 | <8.2 | <8.4 | NA | NA |
| Indeno(1, 2, 3-cd)pyrene | 88 ² | 690 | <5.6 | 32 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| Benzo(g,h,i)perylene | 1,800 ² | 950 | 110 | 37 | <5.6 | <5.5 | <5.5 | <5.6 | NA | NA |
| 1-Methylnaphthalene | 23,000 ¹ | 210 | 210 | <36 | <34 | <33 | <33 | <34 | NA | NA |
| 2-Methylnaphthalene | 20,000 ¹ | 660 | 380 | <30 | <28 | <28 | <27 | <28 | NA | NA |
| Naphthalene | 20,000 ² | 300 | 100 | <36 | <34 | <33 | <33 | <34 | NA | NA |
| DRO (mg/kg) | 100/250 mg/kg | NA | NA | NA | NA | 5.5 | <4.6 | <4.8 | 990 | 20 |
| Benzene | 1,100 ² | NA | NA | NA | NA | <28 | <27 | <28 | <28 | <28 |
| Ethylbenzene | 2,900 ¹ | NA | NA | NA | NA | <28 | <27 | <28 | <28 | <28 |
| Toluene | 1,500 ¹ | NA | NA | NA | NA | <28 | <27 | <28 | <28 | <28 |
| Xylenes | 4,100 ¹ | NA | NA | NA | NA | <94 | <82 | <84 | <84 | <85 |
| 1,2,4-Trimethylbenzene | 83000 ³ | NA | NA | NA | NA | <28 | <27 | <28 | <28 | <28 |
| 1,3,5-Trimethylbenzene | 11000 ³ | NA | NA | NA | NA | <28 | <27 | <28 | <28 | <28 |
| Methyl Tert Butyl Ether | NE | NA | NA | NA | NA | <28 | <27 | <28 | <28 | <28 |

Notes:

- "GP" Borings were advanced by GZA GeoEnvironmental, Inc. (GZA). "DP" borings were advanced by BT2. GP and DP samples were analyzed by TestAmerica Laboratories of Watertown, Wisconsin.
- Polycyclic aromatic hydrocarbons (PAHs) analyzed in accordance with United States Environmental Protection Agency (USEPA) Method 8310.
- ¹ = Wisconsin Department of Natural Resources (WDNR) Interim Guidance (April 1997) Suggested Residual Contaminant Level (RCL) for PAHs in Soil--Migration to Groundwater Pathway.
- ² = WDNR Interim Guidance (April 1997) Suggested RCL for PAHs in Soil--Direct Contact for Residential Sites. Publication RR-5190-97.
- ³ = Wisconsin Administrative Code NR 720 Suggested Protection of Human Health from Direct Contact with Contaminated Soil.
- NS = no established standard; NA = not analyzed.
- "<" denotes parameter was not detected above specified detection limit.
- Only detected compounds are presented in the above table.
- BOLD** font designates RCL exceedance.
- Diesel range organic (DRO) standard is dependant on hydraulic conductivity of Site soil. 250 milligram per kilogram (mg/kg) standard is applicable if K <10⁻⁶ centimeters per second (cm/sec).

TABLE E-1
GROUNDWATER ANALYTICAL RESULTS
Midas Automotive Shop
3706 West Wisconsin Avenue Milwaukee, Wisconsin

| Sample ID Laboratory ID | Public Health-Related Groundwater Standards WAC NR140 | | MW-2 |
|---|--|------|--------|
| | ES | PAL | |
| Polycyclic Aromatic Hydrocarbons (PAHs) (µg/L) | | | |
| Anthracene | 3,000 | 600 | <0.040 |
| Benzo(a)anthracene | NS | NS | <0.046 |
| Chrysene | 0.2 | 0.02 | <0.043 |
| Fluoranthene | 400 | 80 | <0.084 |
| Fluorene | 400 | 80 | <0.065 |
| 2-Methylnaphthalene | NS | NS | <0.32 |
| Phenanthrene | NS | NS | <0.031 |
| Pyrene | 250 | 50 | <0.046 |
| Volatile Organic Compounds (VOCs) (ug/L) | | | |
| Benzene | 5 | 0.5 | <0.20 |
| Bromomethane | 10 | 1 | NA |
| Chloromethane | 3 | 0.3 | NA |
| 1,1-Dichloroethane | 850 | 85 | NA |
| cis-1,2-Dichloroethene | 70 | 7 | NA |
| trans-1,2-Dichloroethene | 100 | 20 | NA |
| 1,1,1-Trichloroethane | 200 | 40 | NA |
| Toluene | 1,000 | 200 | <0.50 |
| Trichloroethene | 5 | 0.5 | NA |

Notes:

1. Sample was collected by BT² and analyzed by Test America Laboratories of Watertown, Wisconsin.
2. VOCs analyzed in accordance with USEPA Method 8260.
3. PAHs analyzed in accordance with USEPA Method 8310.
4. ES = Enforcement Standard.
5. PAL = Preventative Action Limit.
6. **Bold** = parameter detected above the ES.
7. *Italics* = parameter detected above the PAL.
8. "J" denotes an estimated value.
9. NS = No standard.
10. NA = Not analyzed.
11. "<" denotes parameter was not detected above specified detection limit.
12. Only detected compounds are presented in the above table.