REVISED
11:23 am, Aug 27, 2012

GIS REGISTRY
Cover Sheet

SEP 15 2010

July, 2008
(RR 5367)

Source Property Information

CLOSURE DATE: Sep 14, 2010

BRRTS #: **03-41-378857**

FID #: 24102507d

ACTIVITY NAME: Harley-Davidson Motor Co. Building 5A Location

DATCP #:

PROPERTY ADDRESS: 3700 West Juneau Avenue

COMM #:

MUNICIPALITY: Milwaukee

PARCEL ID #: 366-0138-111-1

***WTM COORDINATES:**

X: **685910** Y: **287901**

** 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)*

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

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

[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")*

Land Use Controls:

[X] Soil: maintain industrial zoning *(220)*

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

[X] Structural Impediment *(224)*

[ ] Site Specific Condition *(228)*

[X] Cover or Barrier *(222)*

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

[ ] Vapor Mitigation *(226)*

[ ] 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*

GIS Registry Checklist

Form 4400-245 (R 3/10)

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 #: 03-41-378857 PARCEL ID #: 366-0138-111-1

ACTIVITY NAME: Harley-Davidson Motor Co. Building 5A Location WTM COORDINATES: X: 685910 Y: 287901

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

- [x] **Closure Letter**
- [x] **Maintenance Plan** *(if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)*
- [ ] **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- [x] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- [x] **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.*
- [x] **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 #: 0074-7059 Title: A Plat of a Survey Harley-Davidson Motor Co. Milwaukee, WI
- [x] **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 11 x 17 inches unless the map is submitted electronically.

- [x] **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
- [x] **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 Plan Map
- [x] **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 #: 10 Title: Soil Quality Map - Exceedances Only

  Replaced by Figure 2

BRRTS #: 03-41-378857 ACTIVITY NAME: Harley-Davidson Motor Co.

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: See Attached Page**

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 #: 6 **Title: Groundwater Quality 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 #: 2 **Title: Groundwater Contour Map (8-17-09)**

Figure #: **Title:**

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

Tables must be no larger than 11 x 17 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 #: 1,2,3,4 **Title: See Attached Page**

☒ **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 #: 3,4 **Title: See Attached Page**

☒ **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 #: 1 **Title: Static Groundwater 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 #: 03-41-378857 ACTIVITY NAME: Harley-Davidson Motor Co.

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **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.

☐ **Not Applicable**

☒ **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: 1

☒ **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

September 14, 2010

Harley-Davidson Motor Company
Attn: Rachel Schneider
3700 West Juneau Avenue
Milwaukee, WI 53208

Subject: Final Case Closure with Land Use Limitations or Conditions for the Harley-Davidson Motor Company's Building 5A Location, 3700 West Juneau Avenue Milwaukee, WI

FID: 241025070
BRRTS: 03-41-378857

Dear Ms Schneider:

On August 3, 2010, the Wisconsin Department of Natural Resources ("the Department") Regional Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On August 4, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On September 7, 2010, the Department received correspondence indicating that you have complied with the requirements of closure by providing to the Department the groundwater monitoring well abandonment forms.

Based on the correspondence and data provided, it appears that your case meets the 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
- Before the land use could be changed from industrial to non-industrial, additional environmental work must be completed
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier

- Groundwater contamination is present above Chapter NR 140 enforcement standards

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 the current property owner 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 including compliance with referenced maintenance plans are met.

Remaining Residual Soil Contamination

Residual soil contamination remains at the locations indicated on the enclosed Soil Quality Map, Figure 10, as indicated in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, 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 standards 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 to prevent a direct contact health threat to humans.

Structural Impediments

Structural impediments existing at the time of cleanup, consisting of the onsite Building 5A and bituminous asphalt parking lot, made complete remediation of the soil contamination on this property impracticable. Pursuant to s. 292.12(2)(b), Wis. Stats., if the structural impediments on this property that are described above are removed, the property owner shall conduct an investigation of the degree and extent of petroleum and chlorinated solvent 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.

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists in the location shown on the attached map shall be maintained in compliance with the **attached maintenance plan** in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, 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 attached maintenance plan and inspection log are to be kept up-to-date and on-site, and the inspection log need only be submitted to the Department upon request.

Prohibited Activities

The following activities are prohibited on any portion of the property where [pavement, a building foundation, soil cover, engineered cap or other barrier] is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

Remaining Residual Groundwater Contamination

Groundwater impacted by petroleum-related contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on the contaminated property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Please be aware that the case maybe reopened pursuant to s. NR 726.09, Wis. Admin. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare, or to the environment. Failure to submit the above documentation may result in enforcement actions.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any

future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment Program Assistant Vicky Stovall (414-263-8688) at the above address.

Sincerely,

James A. Schmidt
Southeast Region Team Supervisor
Remediation and Redevelopment

Enclosures: Cap Maintenance Plan, December 2009
Harley-Davidson Motor Company Soil Quality Map, Figure 10, 01.26.2009

C: Adam Roder, Sigma Environmental
WDNR SER Files

CAP MAINTENANCE PLAN
"HARLEY-DAVIDSON MOTOR CO." PROJECT – WDNR BRRTS #03-41-378857
3700 W. JUNEAU AVENUE, MILWAUKEE, WISCONSIN
DECEMBER 2009

This Cap Maintenance Plan ("Plan") has been prepared in accordance with s. NR 724.13(2) and is designed to prevent direct contact with residual soil impacts that exceed Wisconsin Department of Natural Resources (WDNR) direct contact soil cleanup standards and to limit precipitation infiltration into the subsurface. The petroleum hydrocarbon and chlorinated solvent impacted soils are covered with existing asphalt and concrete pavements and the concrete floor slab for Building 5A as shown on the attached "Engineered Barrier Map". More site-specific information about this project may be found at:

- The case file in the WDNR Southeast Region office;
- BRRTS on the Web (WDNR's internet-based database of contaminated sites): http://botw.dnr.state.wi.us/botw/SetUpBasicSearchForm.do;
- GIS Registry PDF file: http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=brrts2; and
- The WDNR project manager for Milwaukee County.

The normal operation of the engineered barriers will be as a direct contact barrier between site soils and typical, non-invasive users of the property. The engineered barriers will function as intended unless disturbed.

Disturbance Management

Harley-Davidson Motor Company and subsequent owners of the site shall take the following steps to assure that uncontrolled disturbances of the engineered barrier do not occur:

- WDNR's case closure documents and GIS Registry will establish future land use, development, and/or management restrictions of the site. This Plan will be incorporated into the case closure documents and/or GIS Registry, which will together identify the environmental impacts, the nature of the engineered barriers, the requirements regarding the management of impacted soils, and the availability of this Plan.
- A copy of this Plan will be available from the property owner to all interested parties.
- A copy of this Plan will be provided to all private utilities seeking easements for the purpose of installing facilities on the property.

- A copy of this Plan will be provided to all contractors and repair workers, including utility and landscaping services, during construction and repairs on the property.

- On-site personnel employed by current or future business operators will be made familiar with the contents and restriction requirements of this Plan.

Inspections of Engineered Barrier

Inspections will be required to assure that the engineered barrier is functioning as planned:

- The property owner or designated representative shall perform annual inspections of the engineered barrier system. Inspections should be completed during summer months (when the ground surface is not obstructed by snow cover or vehicles) for all accessible areas, including the floor slab of Building 5A. The inspections will be performed to evaluate damage due to settling, exposure to weather, traffic wear, age, and other factors. Any areas where soils have become or likely to become exposed, and where infiltration from precipitation may not be effectively minimized, will be documented.

- As necessary, the engineered barriers will be repaired as soon as practical to maintain integrity. Repairs may include, but are not limited to, the following:

    - Patching, resurfacing, or replacing concrete or asphalt pavement where it has cracked or otherwise broken and would allow direct contact with underlying soil; and

    - Patching breaches in the concrete floor slab of Building 5A.

- An inspection log will be maintained to record the cap conditions, any disturbances of the cap, and the steps that have been taken to maintain the integrity of the engineered barriers. The inspection log will be made available for inspection by representatives of the WDNR upon reasonable prior request. The on-site inspection log will be maintained as long as inspection and maintenance of the engineered barriers are required.

Planned Breaches of Engineered Barriers

In the event an engineered barrier is breached, the following precautions shall be taken:

- The property owner shall be given advance notice of any planned breach. Property owner will make soil data available to workers who penetrate the engineered barrier to allow for appropriate health and safety planning.

- The excavation zone and any soils excavated will be secured from public access until the cap is restored. The excavated soil will be placed on an impervious surface (e.g., existing concrete or asphalt pavement or plastic) and covered with plastic. Excavated soil shall be sampled and disposed of at a licensed landfill facility in

accordance with applicable solid and/or hazardous waste rules and regulations, unless the WDNR or its successor agency grants approval to replace the soil into the same excavation.

- The engineered barrier will be restored to meet original conditions. This work, including the proper disposal of excess soils, should be completed as soon as practical. Any replacement barrier will be subject to the same inspection and maintenance guidelines as outlined in this Plan unless otherwise indicated by the WDNR or its successor agency.

- Details of the engineered barrier breach, the handling of excavated soils, individuals responsible for the work, and the restoration of the engineered barrier shall be recorded in the engineered barrier maintenance log. The maintenance log will be available for inspection by representatives of the WDNR upon reasonable prior request. An example inspection log page is included with this Plan.

Prohibition of Activities and Notification to WDNR

The following activities are prohibited on any portion of the site where asphalt or concrete pavements and/or building floor slab are required on the attached Engineered Barrier Map, unless prior written approval has been obtained from the WDNR or its successor agency: (1) removal of the existing barriers, (2) replacement with another barrier, (3) excavating or grading of the land surface, (4) filling on capped for paved areas, (5) plowing for agricultural cultivation, (6) construction or placement of a building or other structure.

Amendments

This Plan may be amended or withdrawn upon written approval from the WDNR or its successor agency.

Contact Information

- For responsible party and current owner information contact:

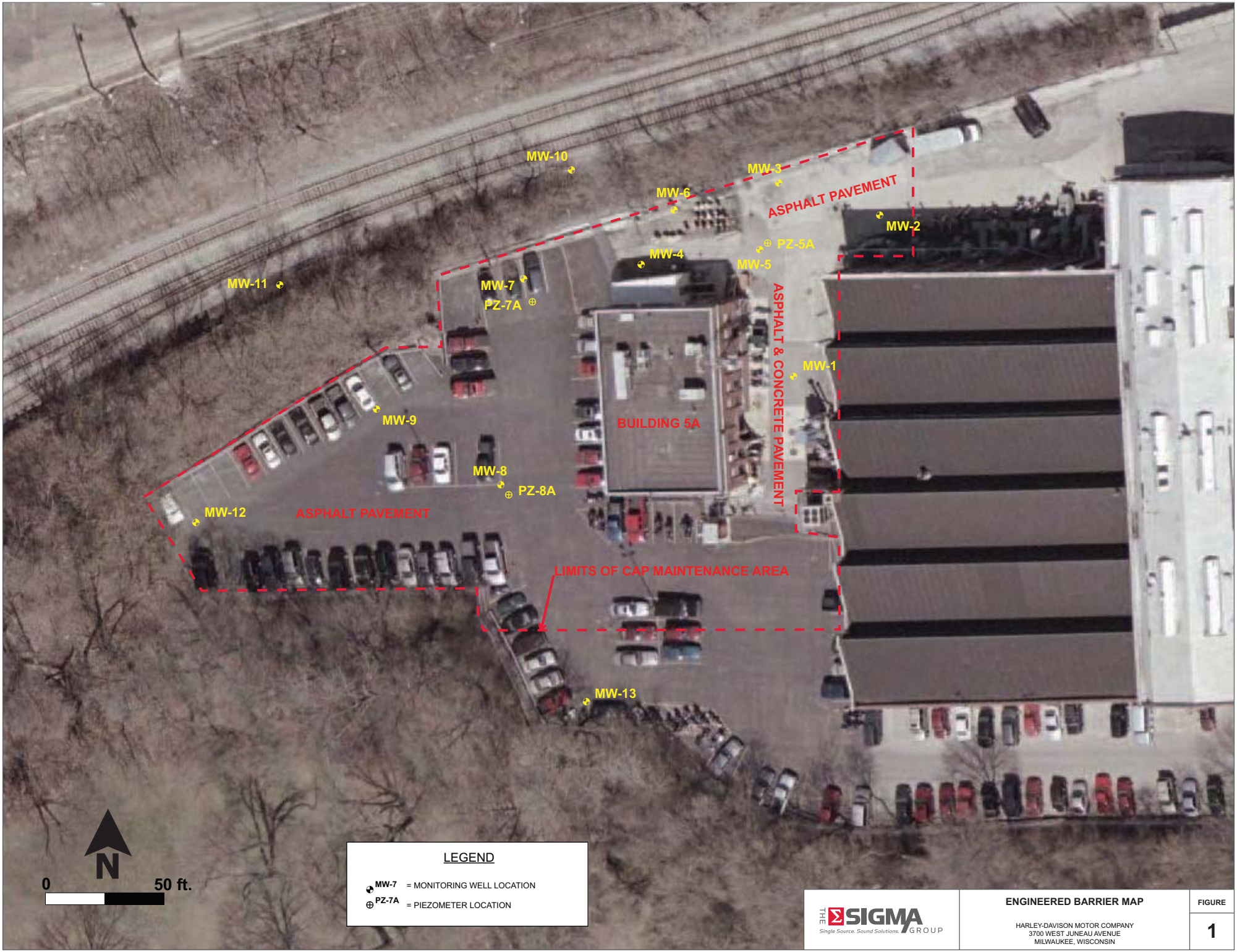
  Harley-Davidson Motor Company
  3700 W. Juneau Avenue
  Milwaukee, WI 53208
  Telephone: (414) 343-4372
  Fax: (414) 343-4188
  Contact: Mr. Joe Marquardt, CHMM

- For environmental consultant information contact:

  Sigma Environmental Services, Inc.
  1300 West Canal Street
  Milwaukee, WI 53233
  Telephone: (414) 643-4200
  Fax: (414) 643-4210
  Contact: Mr. Adam Roder, P.E.

- For Wisconsin Department of Natural Resources information contact:

  Wisconsin Department of Natural Resources
  Southeast Region Headquarters Remediation & Redevelopment Program
  2300 N. Dr. Martin Luther King Jr. Drive
  Milwaukee, WI 53212
  Telephone: (414) 263-8644
  Fax: (414) 263-8483
  Contact: Mr. John Hnat



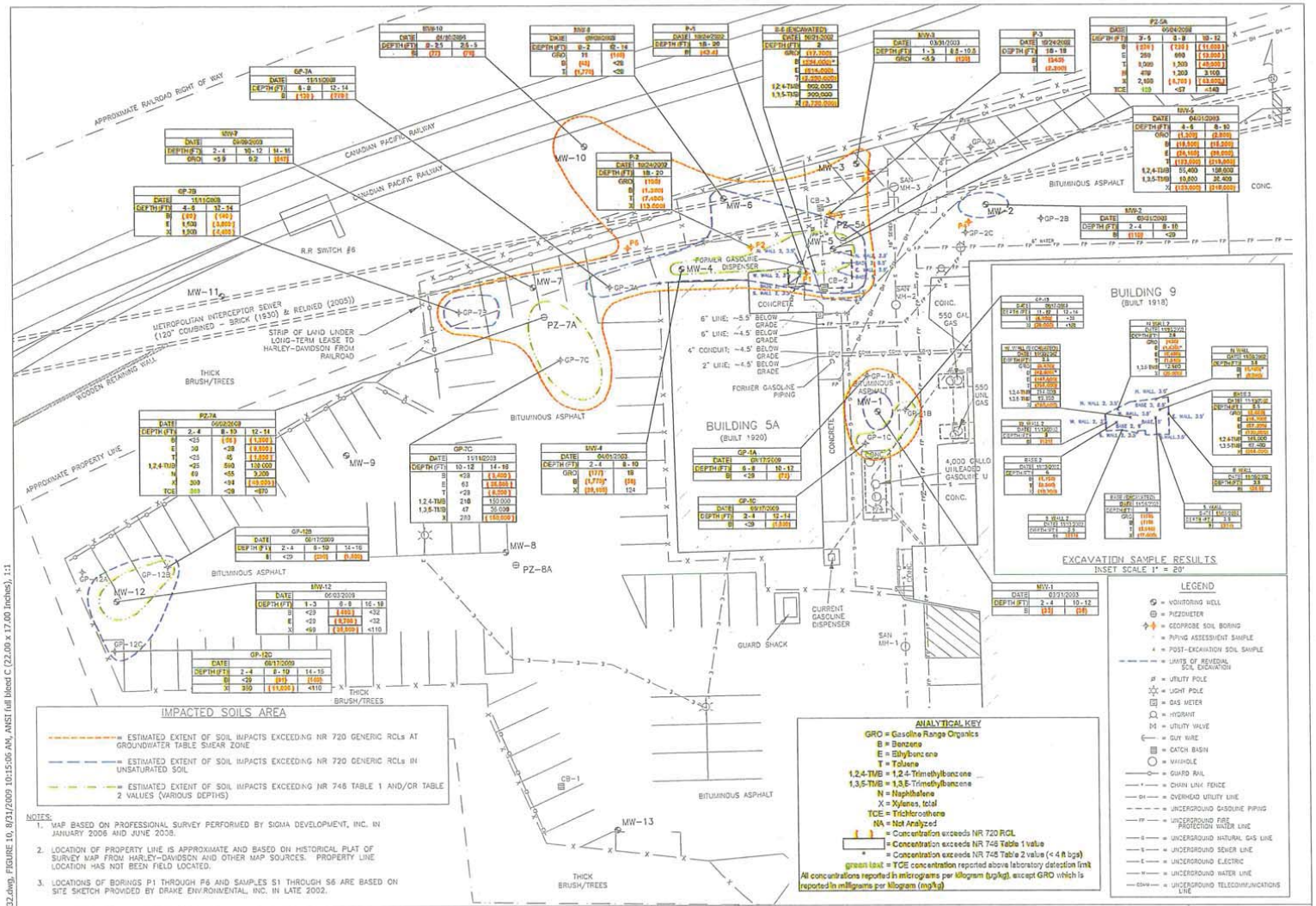
THE SIGMA GROUP
Single Source. Sound Solutions.

ENGINEERED BARRIER MAP

HARLEY-DAVISON MOTOR COMPANY
3700 WEST JUNEAU AVENUE
MILWAUKEE, WISCONSIN

FIGURE
1

Project: 7763 | Directory: GRAPHICS | Filename: 7763 Ground Cover Aerial Photo Oct 09.ai | Created By: AJR | Date: 10/3/09



NOTES:

1. MAP BASED ON PROFESSIONAL SURVEY PERFORMED BY SIGMA DEVELOPMENT, INC. IN JANUARY 2006 AND JUNE 2008.
2. LOCATION OF PROPERTY LINE IS APPROXIMATE AND BASED ON HISTORICAL PLAT OF SURVEY MAP FROM HARLEY-DAVIDSON AND OTHER MAP SOURCES. PROPERTY LINE LOCATION HAS NOT BEEN FIELD LOCATED.
3. LOCATIONS OF BORINGS P1 THROUGH P6 AND SAMPLES S1 THROUGH S6 ARE BASED ON SITE SKETCH PROVIDED BY DRAKE ENVIRONMENTAL, INC. IN LATE 2002.

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 20'
0' 10' 20' 30' 40'

NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	SJGJ	01/26/09
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE, MILWAUKEE, WI
SOIL QUALITY MAP-EXCEEDANCES ONLY

DRAWING NUMBER
7763-032

FIGURE 10

K:\HARLEY\7763\7763-032.dwg, FIGURE 10, 8/31/2009 10:15:06 AM, ANSI full bleed C (22.00 x 17.00 inches), 1:1

ENGINEERED BARRIER INSPECTION LOG
"HARLEY-DAVIDSON MOTOR CO." PROJECT – WDNR BRRTS #03-41-378857
3700 W. JUNEAU AVENUE, MILWAUKEE, WISCONSIN
OCTOBER 2009

Inspection Date	Inspector	Condition of Engineered Barrier	Recommendations	Have recommendations from previous inspection been implemented?

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. 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

August 4, 2010

Harley-Davidson Motor Company
Attn: Rachel Schneider
3700 West Juneau Avenue
Milwaukee, WI 53208

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure for the Harley-Davidson Motor Company's Building 5A Location, 3700 West Juneau Avenue Milwaukee, WI

FID: 241025070
BRRTS: 03-41-378857

Dear Ms Schneider:

On August 3, 2010, the Wisconsin Department of Natural Resources ("the Department") Regional Closure Committee reviewed your request for closure of the case described above. The Regional Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Regional Closure Committee has determined that the petroleum and chlorinated solvent contamination associated with the Building 5A site investigation from the vicinity of the tank(s) and piping located on the property appears to have been investigated and remediated to the extent practicable under site conditions. Your case meets the screening criteria of s. NR 746.07 or s. NR 746.08, Wis. Adm. Code, and the requirements of ch. NR 726, Wis. Adm. Code and will be closed if the following conditions are satisfied:

Monitoring Well Abandonment

The groundwater monitoring wells and any other remediation systems located at the building 5A location must be properly abandoned in compliance with ch. NR 141, Wis. Admin. Code. Documentation of well abandonment must be submitted to this office on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw within 60-days on receipt of this letter as required in s. NR 726.05(8)(a)1 and s. NR 141.25 Wis. Admin. Code. The Department requires the abandonment of these wells before issuing a final closure letter.

When the above conditions have been satisfied, please submit the appropriate documentation to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment Program Assistant Vicky Stovall (414-263-8688) at the above address.

Sincerely,

John J. Hnat, P.G., C.P.G.
Project Manager\Hydrogeologist
Southeast Region
Remediation and Redevelopment

C: Adam Roder, Sigma Environmental
WDNR SER Files

REEL 3425 IMAG 824

Juneau Avenue

DOCUMENT NO.	STATE BAR OF WISCONSIN FORM 1 - 1982 WARRANTY DEED	THIS SPACE RESERVED FOR RECORDING DATA

7029255

REGISTER'S OFFICE
Milwaukee County, WI } ss
RECORDED AT 1:50 PM
NOV 28 1994
REEL 3425 IMAGE 824 to 829 incl.
REGISTER OF DEEDS

RETURN TO Larry J. Bonney
Foley & Lardner
777 East Wisconsin Avenue
Milwaukee, Wisconsin 53202-5367
BOX 286

This Deed, made between Harley-Davidson, Inc., successor in interest by merger to Harley-Davidson Motor Co., Inc., Grantor, and Harley-Davidson Motor Company, a Wisconsin corporation, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration of Ten dollars and other good and valuable consideration conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

Tax Parcel No.: See Exhibit A

See Exhibit A attached hereto and made a part hereof.

TRANSFER
$11,725.20
FEE

7029255
RECORD 18.00
RTX 11725.20
RECORD 2.00

This is not homestead property.
~~is~~ (is not)

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And Harley-Davidson, Inc. warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances, general taxes levied in 1994 and matters set forth in Exhibit B, attached hereto and made a part hereof

and will warrant and defend the same.

Dated as of this 28th day of November, 1994.

HARLEY-DAVIDSON, INC.

By: James M. Brostowitz
James M. Brostowitz
Vice President

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____, 19____

* _____

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Larry J. Bonney of
Foley & Lardner

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
MILWAUKEE COUNTY)

Personally came before me this 22nd day of November, 1994 the above named James M. Brostowitz, Vice President of Harley-Davidson, Inc.

to me known to be the person _____ who executed the foregoing instrument and acknowledged the same.

* Patrick G. Quick
Notary Public _____ County, Wis.
My Commission is permanent. (If not, state expiration date: _____, 19____.)

* Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED

STATE BAR OF WISCONSIN
FORM No. 1 - 1982

\\WB1\DOCS\HARLEY\113111\22/94\36B012!LJBO:bs

EXHIBIT A
TO
WARRANTY DEED

Legal Description:

Parcel I:

That part of the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded North by Right of Way of the Chicago, Milwaukee and St. Paul Railway Company, East by Block Three (3), in Becker's Subdivision, and South by Section line.

Parcel II:

That part of the Northwest One-quarter (1/4) of Section Twenty-five (25), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, which is bounded and described as follows:
Commencing at a point in the West line of 40th Street, 90 feet South of the intersection of the said line, with the South line of the Right of Way of the Chicago, Milwaukee and St. Paul Railway Company; running thence North 90 feet to the South line of said right of way; thence in a Southwesterly direction along said right of way, 132.80 feet; thence along a line running South 6°1' East to a point directly West of the point of commencement; thence along a line running East from said last mentioned point to the point of commencement.

Parcel III:

That part of the Northwest One-quarter (1/4) of Section Twenty-five (25), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, which is bounded and described as follows: Commencing at a point in the West line of 40th Street, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, 90 feet South of the intersection of said line with the South line of the Right of Way of the Chicago, Milwaukee & St. Paul Railway Company; thence South along the West line of 40th Street 120.50 feet to a point; thence West 109.18 feet to a point; thence North 5°56' West to a point 53.28 feet distant from the South line of the Right of Way of said Chicago, Milwaukee & St. Paul Railway Company along the continuation of said line; thence East 122.07 feet to the point of beginning.

Parcel IV:

That part of the Northwest One-quarter (1/4) of Section Twenty-five (25), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, which is bounded and described as follows: Commencing at a point in the North line of West Highland Boulevard where the West line of North 40th Street extended intersects the same, being a point 460 feet South of the North line of the Northwest One-quarter (1/4) of Section Twenty-five (25); running thence West along the North line of said West Highland Blvd. 92.29 feet to a point; thence North 5°56' West 338.47 feet to a point in the Southerly Right of Way line of the Chicago, Milwaukee, St. Paul & Pacific Railway Company, which is the point of beginning of the land herein described; thence South 5°56' East 124.81 feet to a point; thence South 87°38' West 108.45 feet to a point; thence North 21°34' West 86 feet more or less to a point in the Southerly Right of Way line of said Chicago, Milwaukee, St. Paul and Pacific Railway Company, thence in a Northeasterly direction along the Southerly line of said railway Right of Way 135.8 feet more or less to the point of beginning.

Parcel V:

Lots One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10) and Eleven (11) in Block Three (3) in BECKER'S SUBDIVISION of a part of the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel VI:

All of Lots One (1), Two (2), Three (3), Four (4), Five (5), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16) and vacated Fourteen (14) foot-wide alley lying between aforesaid lots, and the North Thirty-eight (38) feet of Lots Six (6), Seven (7), Eight (8), Nine (9) and Ten (10) and all of the East-West Sixteen (16) foot-wide vacated alley, all in Block Nine (9), in RE-SUBDIVISION OF BLOCKS 8, 9 AND 10 OF CONTINUATION OF HIGHLAND HOME, in the Northwest One-quarter (1/4) of Section Twenty-five (25), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel VII:

All of vacated North 39th Street lying between the South line of vacated West Juneau Avenue and a point Two Hundred Seventy (270) feet South thereof, excepting the North Thirty-two (32) feet of the East Fourteen (14) feet thereof.

Parcel VIII:

All of vacated North 40th Street, lying between the South line of the Right of Way of the Chicago, Milwaukee & St. Paul Railway and the North line of the alley from the East extended to the West line of said North 40th Street.

Parcel IX:

That part of vacated West Juneau Avenue bounded and described as follows: Commencing at a point in the Northeast corner of Lot 1, Block 8, Re-Subdivision of Blocks 8, 9 and 10, Continuation of Highland Home; thence West along the North line of said Block and its extension West 430.84 feet, more or less, to a point; thence South 75°13' West, 141.66 feet, more or less, to a point in the East line of North 40th Street; thence North along the extension of the East line of North 40th Street to a point on the Southerly boundary line of the Chicago, Milwaukee & St. Paul Railroad Company's Right of Way; thence North 75°13' East along said Southerly Right of Way to a point, 285.38 feet West of the West line of North 38th Street extended North; thence East 285.38 feet to a point in the West line of North 38th Street extended North; thence South 70 feet to the point of commencement. Except the South 35 feet of the East 265 feet thereof.

Parcel X:

Lots One (1), Two (2), Three (3), Four (4), Five (5), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15) and the North Thirty-eight (38) feet of Lots Six (6), Seven (7), Eight (8), Nine (9) and Ten (10) in Block Eight (8) in RE-SUBDIVISION OF BLOCKS 8, 9 AND 10 OF THE CONTINUATION OF HIGHLAND HOME, in the Northwest One-quarter (1/4) of Section Twenty-five (25), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, also including the vacated alley lying between Lots One (1), Two (2), Three (3), Four (4), Five (5) and Eleven (11), Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15), in said Block Eight (8); and, the Easterly Two Hundred Sixty-eight (268) feet of the South Thirty-five (35) feet of vacated West Juneau Avenue lying West of the West line of North 38th Street; and the East Fourteen (14) feet of the North Thirty-two (32) feet of vacated North 39th Street lying South of the South line of West Juneau Avenue; also all of the East and West vacated alley lying between Lots Five (5) and Eleven (11) and Lots Six (6), Seven (7), Eight (8), Nine (9) and Ten (10), in said Block Eight (8).

Parcel XI:

Lots Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19) and Twenty (20) in Block Three (3) in HIGHLAND HOME, in the Northwest One-quarter (1/4) of Section Twenty-five (25) and the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel XII:
Lots Eight (8), Nine (9), Ten (10), Eleven (11), Twelve (12), Thirteen (13) and the North Twenty (20) feet of Lot Fourteen (14) in Block One (1) in NOYES AND FULLER'S SUBDIVISION NO. 1, in the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel VI:

All of Lots One (1), Two (2), Three (3), Four (4), Five (5), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16) and vacated Fourteen (14) foot-wide alley lying between aforesaid lots, and the North Thirty-eight (38) feet of Lots Six (6), Seven (7), Eight (8), Nine (9) and Ten (10) and all of the East-West Sixteen (16) foot-wide vacated alley, all in Block Nine (9), in RE-SUBDIVISION OF BLOCKS 8, 9 AND 10 OF CONTINUATION OF HIGHLAND HOME, in the Northwest One-quarter (1/4) of Section Twenty-five (25), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel VII:

All of vacated North 39th Street lying between the South line of vacated West Juneau Avenue and a point Two Hundred Seventy (270) feet South thereof, excepting the North Thirty-two (32) feet of the East Fourteen (14) feet thereof.

Parcel VIII:

All of vacated North 40th Street, lying between the South line of the Right of Way of the Chicago, Milwaukee & St. Paul Railway and the North line of the alley from the East extended to the West line of said North 40th Street.

Parcel IX:

That part of vacated West Juneau Avenue bounded and described as follows: Commencing at a point in the Northeast corner of Lot 1, Block 8, Re-Subdivision of Blocks 8, 9 and 10, Continuation of Highland Home; thence West along the North line of said Block and its extension West 430.84 feet, more or less, to a point; thence South 75°13' West, 141.66 feet, more or less, to a point in the East line of North 40th Street; thence North along the extension of the East line of North 40th Street to a point on the Southerly boundary line of the Chicago, Milwaukee & St. Paul Railroad Company's Right of Way; thence North 75°13' East along said Southerly Right of Way to a point, 285.38 feet West of the West line of North 38th Street extended North; thence East 285.38 feet to a point in the West line of North 38th Street extended North; thence South 70 feet to the point of commencement. Except the South 35 feet of the East 265 feet thereof.

Parcel X:

Lots One (1), Two (2), Three (3), Four (4), Five (5), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15) and the North Thirty-eight (38) feet of Lots Six (6), Seven (7), Eight (8), Nine (9) and Ten (10) in Block Eight (8) in RE-SUBDIVISION OF BLOCKS 8, 9 AND 10 OF THE CONTINUATION OF HIGHLAND HOME, in the Northwest One-quarter (1/4) of Section Twenty-five (25), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, also including the vacated alley lying between Lots One (1), Two (2), Three (3), Four (4), Five (5) and Eleven (11), Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15), in said Block Eight (8); and, the Easterly Two Hundred Sixty-eight (268) feet of the South Thirty-five (35) feet of vacated West Juneau Avenue lying West of the West line of North 38th Street; and the East Fourteen (14) feet of the North Thirty-two (32) feet of vacated North 39th Street lying South of the South line of West Juneau Avenue; also all of the East and West vacated alley lying between Lots Five (5) and Eleven (11) and Lots Six (6), Seven (7), Eight (8), Nine (9) and Ten (10), in said Block Eight (8).

Parcel XI:

Lots Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19) and Twenty (20) in Block Three (3) in HIGHLAND HOME, in the Northwest One-quarter (1/4) of Section Twenty-five (25) and the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel XII:
Lots Eight (8), Nine (9), Ten (10), Eleven (11), Twelve (12), Thirteen (13) and the North Twenty (20) feet of Lot Fourteen (14) in Block One (1) in NOYES AND FULLER'S SUBDIVISION NO. 1, in the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel XIII:
All that part of the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, described as follows: Beginning at the Northwest corner of the South 1/2 of Lot 20 in Block 2, Becker's Subdivision; running thence South on the West line of said Block 2 to a point on the Northwesterly line of the right of way of SLRCO, Inc.; thence Southwesterly on said right of way line to a point 39 feet West of the Southerly extension of said West line of Block 2 thence North on a line 39 feet West of and parallel to said West line of Block 2 to the South line of West McKinley Avenue; thence East on said South line 39 feet to the place of beginning. And the South One-half (1/2) of Lot Twenty (20) and all of Lots Twenty-one (21), Twenty-two (22) and Twenty-three (23) in Block One (1) and the South One-half (1/2) of Lot Twenty (20) and all of Lots Twenty-one (21), Twenty-two (22), Twenty-three (23), Twenty-four (24) and Twenty-five (25) in Block Two (2) in BECKER'S SUBDIVISION of a part of the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, including all of vacated West 37th Place (formerly known as Becker's Lane) lying between said Blocks 1 and 2.

Parcel XIV:
Lots Twenty-one (21), Twenty-four (24) and Twenty-five (25) in Block One (1), and Lots Nineteen (19), Twenty (20), Twenty-one (21) and Twenty-two (22) in Block Two (2) in FOREST LAWN SUBDIVISION, in the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Parcel XV:
The South Twenty-five (25) feet of Lot Fourteen (14) and the North Twenty-six (26) feet of Lot Fifteen (15), excepting the East Seventy-six (76) feet of said Lots Fourteen (14) and Fifteen (15), all of Lots Sixteen (16), Seventeen (17), Eighteen (18) and all of the South Four (4) feet of Lot Fifteen (15), in Block Two (2) in BECKER'S SUBDIVISION of a part of the Southwest One-quarter (1/4) of Section Twenty-four (24), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Tax Key Nos. 387-0367-100-1; 387-0902-100-9
366-0138-100-6; 366-0908-5; 366-0137-100-0;
366-0518-5; 366-0520-6; 366-0548-9; 366-0134-8;
and 366-0135-3

EXHIBIT B
TO
WARRANTY DEED

1. Easement recorded on July 15, 1970 in Reel 540, Image 527, as Document No. 4536622. (Affects Parcel VII).

2. Permit and Agreement recorded on February 17, 1981 in Reel 1357, Image 1167, as Document No. 5458394. (Affects Parcel VII).

3. Easement recorded on July 2, 1955 in Volume 3461 of Records at page 175, as Document No. 3412577. (Affects Parcels VII and XI).

4. Utility Easement recorded on August 31, 1955 in Volume 3478 of Deeds at page 234, as Document No. 3424650. (Affects Parcel VII).

5. Easement recorded on November 23, 1966 in Reel 337, Image 484, as Document No. 4290167. (Affects Parcel VII).

6. Easement recorded on April 8, 1970 in Reel 525, Image 728, as Document No. 4518768. (Affects Parcels VII and XI).

7. Utility Easement recorded on August 10, 1955 in Volume 3469 of Deeds at page 560, as Document No. 3418749. (Affects Parcel XI).

8. Easement recorded on August 12, 1966 in Reel 322, Image 1796, as Document No. 4272477. (Affects Parcel XI).

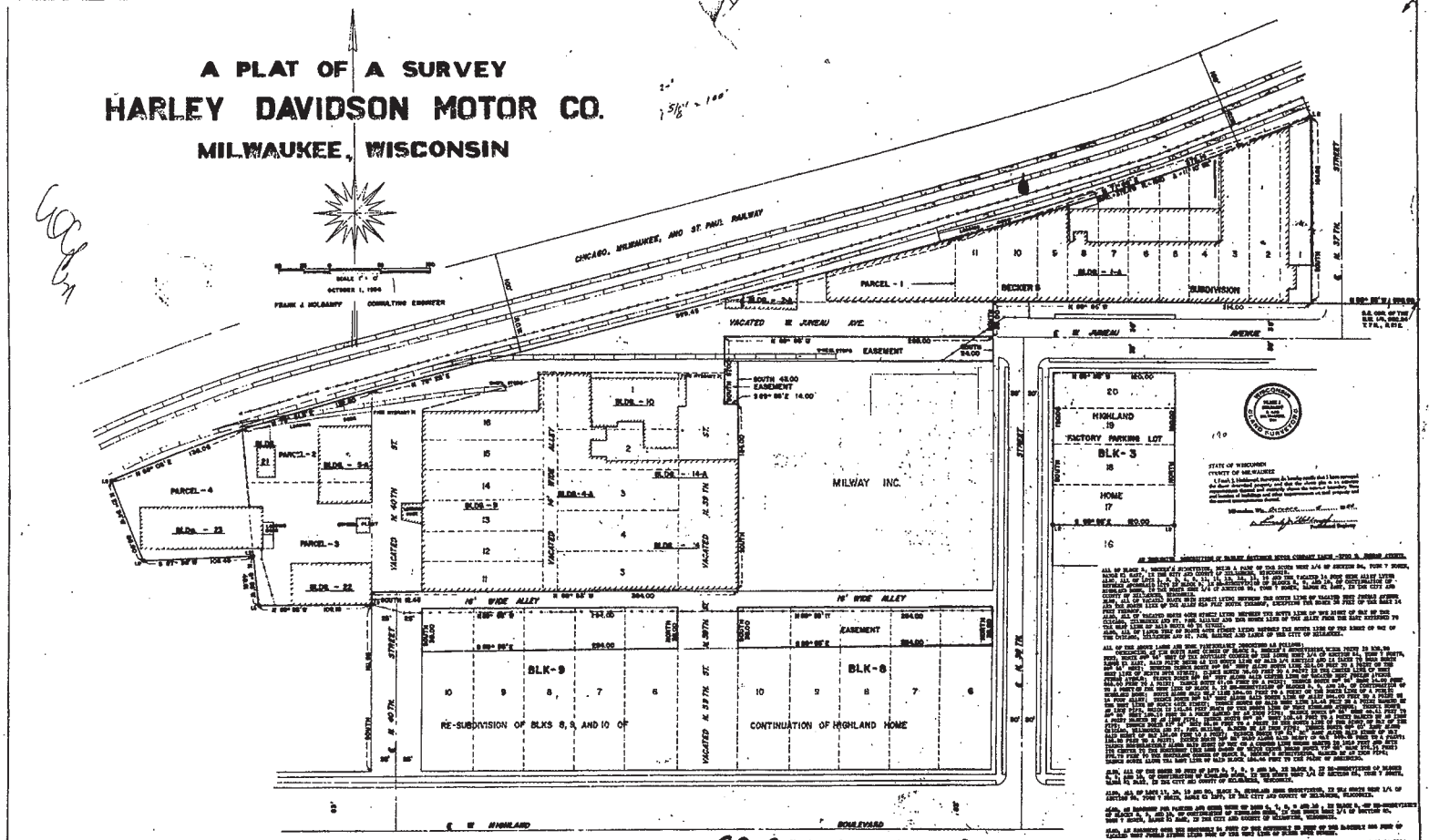
9. Easement recorded on December 9, 1942 in Volume 1871 of Deeds, page 229, as Document No. 2405097. (Affects Parcel XII).

10. Easement recorded on August 23, 1920 in Volume 843 of Deeds, page 533, as Document No. 1052682. (Affects Parcel VI).

A PLAT OF A SURVEY

HARLEY DAVIDSON MOTOR CO.

MILWAUKEE, WISCONSIN



02-000-011-001-C

0074 # 7059-1

Milwaukee.gov

PROPERTY ASSESSMENT RESULTS

TAX ACCOUNT BALANCE

GENERAL INFORMATION

ADDRESS	3700 THRU 3700 W JUNEAU AV
TAXKEY	366-0138-111-1
OWNER	HARLEY-DAVIDSON MOTOR CO ATTN TAX DEPARTMENT
OWNER ADDRESS	3700 W JUNEAU AVE MILWAUKEE,WI 532080000

ASSESSMENT

	2009	2008
LAND	$476,000	$476,000
IMPROVEMENTS	$14,730,800	$14,730,800
TOTAL	$15,206,800	$15,206,800
CURRENT CLASS	MANUFACTURING	

Assessments reflect the estimated value on January 1st .of the indicated year.

OTHER PROPERTY INFORMATION

- LAST CONVEYANCE:
  - DATE: 00/00
  - TRANSFER FEE: $0.00 (CLICK HERE FOR FEE EXPLANATION)
- STORIES: 0.0
- RESIDENTIAL BUILDING STYLE:
- EXTERIOR WALL TYPE:
- YEAR BUILT: 0000
- DWELLING UNITS: 0 (CLICK HERE FOR DWELLING UNITS EXPLANATION)
- TOTAL SQUARE FEET FLOOR AREA: 0
  - FIRST FLOOR AREA:
  - SECOND FLOOR AREA:
  - THIRD FLOOR AREA:
  - FINISHED ATTIC AREA:
  - FINISHED HALF STORY AREA:
  - BASEMENT LIVING AREA:
- ROOM-COUNTS
  - TOTAL ROOMS: 0
  - BEDROOMS: 0
  - BATHS: 0
  - HALF BATHS: 0
- CENTRAL AIR CONDITIONING: NO
- BASEMENT: NONE
- FIRE PLACE:
- GARAGE TYPE: NONE
- LOT SIZE: 287475
- PLAT PAGE: 38711
- ZONING: IL2 (CLICK HERE FOR ZONING EXPLANATION)
  (For zoning information contact Milwaukee Development Center at 286-8211.)
- ASSESSMENT NEIGHBORHOOD 6300
- ALDERMANIC DISTRICT: 15
- CENSUS TRACT: 123
- LEGAL DESCRIPTION:
  LEGALS BECKER'S SUBD IN SW 1/4 SEC 24-7-21
  DESCRIPTION BLOCK 3 SD SUBD & LANDS ADJ SD 1/4 SEC & PART BLKS 8 & 9 IN
  RE-SUBD OF BLKS 8-10 OF CONT OF HIGHLAND HOME & VAC STS &

ALLEYS & LANDS ADJ IN NW 1/4 SEC 25-7-21 COM NE COR SD BLK 3 TH S TO N LI W JUNEAU AV-TH W 326.85' TO W LI N 38TH ST EXTD TH S 340' ALG W LI SD ST-TH W 568' TO E LI N 40TH ST-TH N 54'-TH W 50'-TH S 12.45'-TH W 109.18'-TH NWLY 51.35'-TH W 108.45'-TH NWLY 86' TO SLY LI RR ROW-TH NELY ALG SLY LI SD RR ROW TO PT OF COM

For more information contact the Assessor's office at 414-286-3651

© 2004 The City of Milwaukee. All rights reserved.

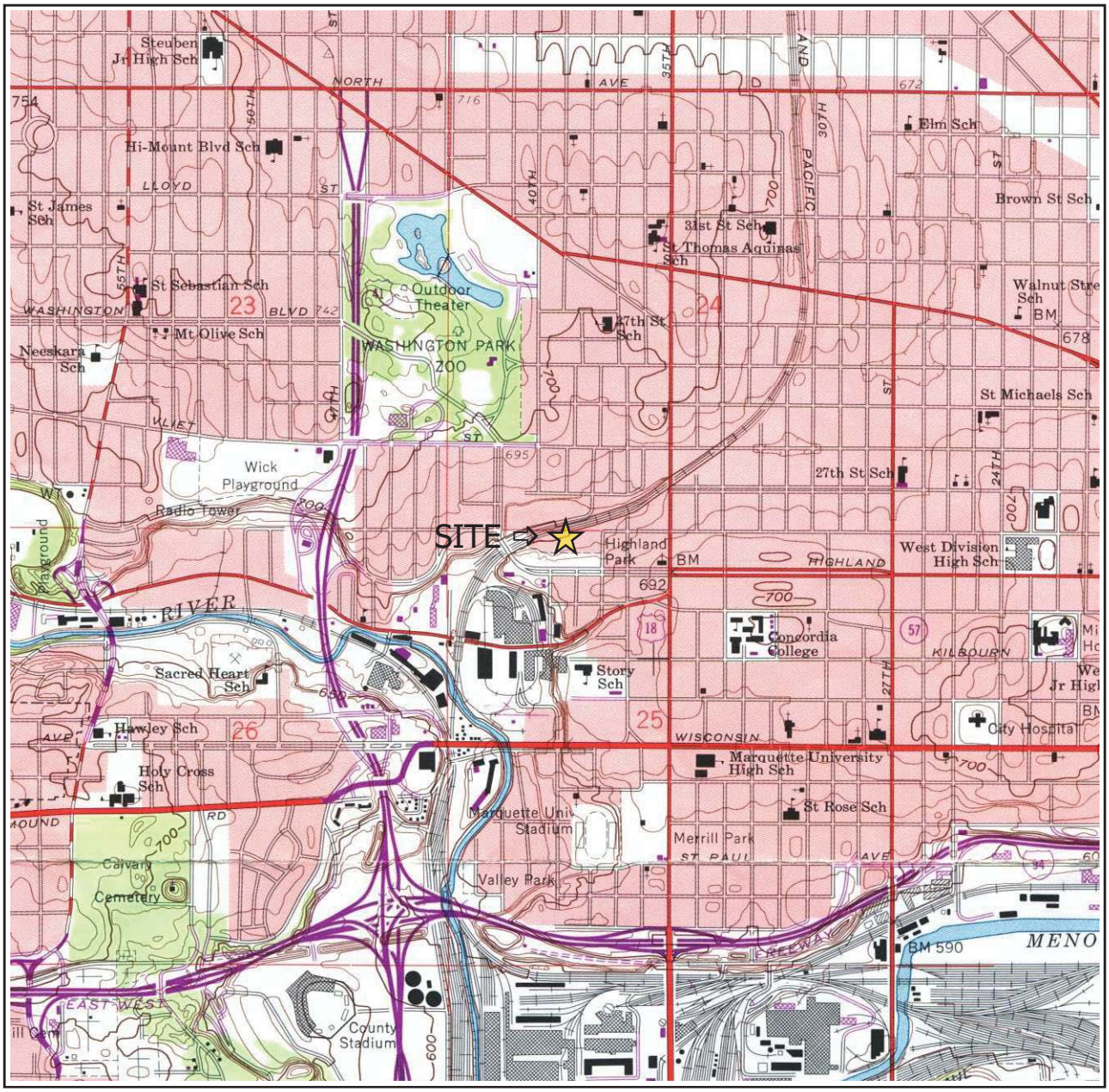
GIS Registry Packet
Harley-Davidson Motor Co.
BRRTS #03-41-378857

STATEMENT BY RESPONSIBLE PARTY

Harley-Davidson Motor Company, the responsible party for the property located at 3700 W. Juneau Avenue, Milwaukee, Wisconsin states that the legal description provided to the Wisconsin Department of Natural Resources in this case closure request and Geographic Information System (GIS) Registry packet for WDNR BRRTS #03-41-378857 is complete and accurate to the best of our knowledge.

Signature of Representative for Responsible Party

1-4-2010
Date



N ½ of the NW ¼ of Sec. 25, T7N, R21E. Adapted from U.S.G.S. 7.5 minute series, Milwaukee, Wisconsin, quadrangle (dated 1958, photorevised 1971).

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

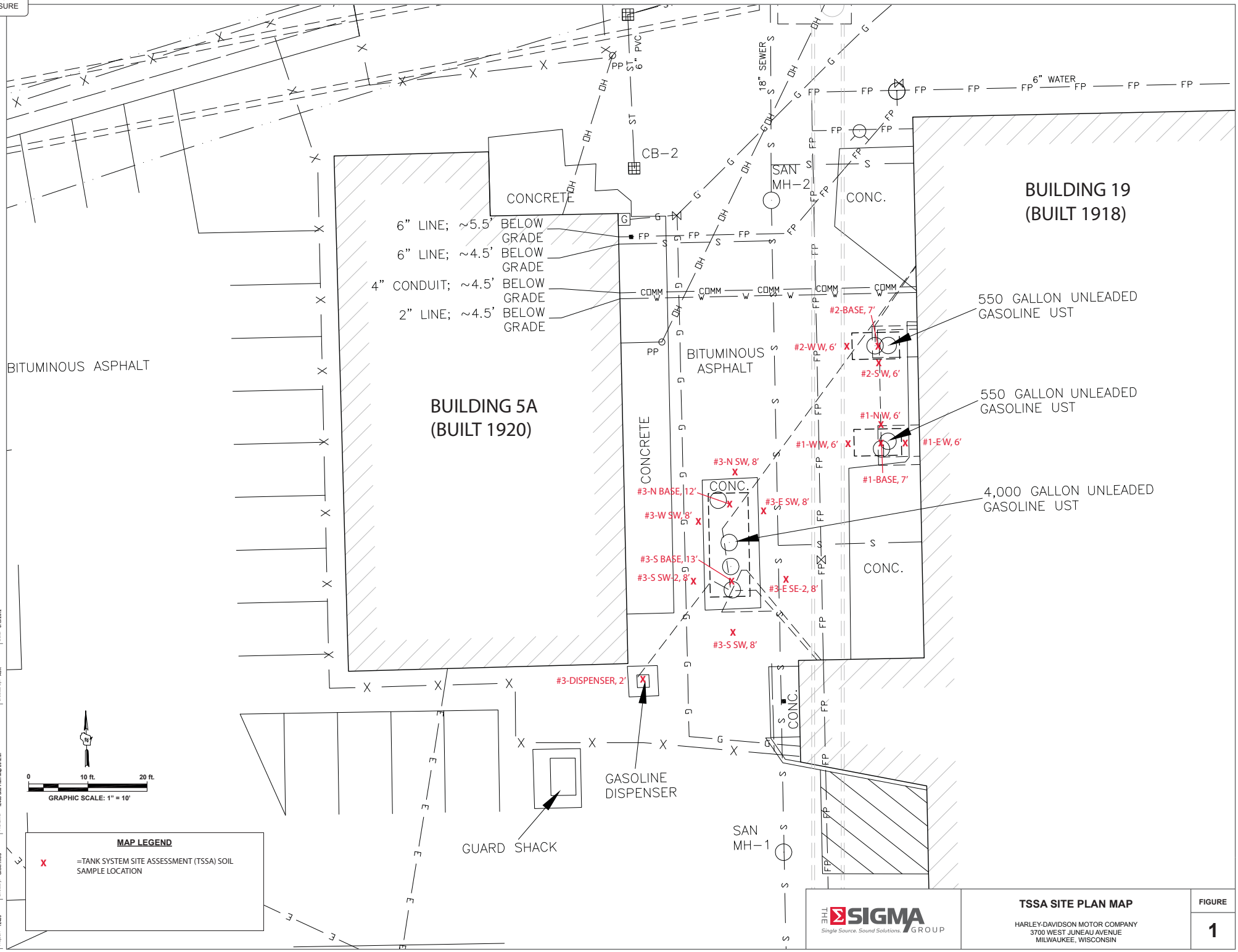
N

Figure 1. Site Location Map
Harley-Davidson Motor Company
3700 W. Juneau Ave., Milwaukee, Wisconsin

THE SIGMA GROUP
Single Source. Sound Solutions.

7763fig1.ppt

POST CLOSURE



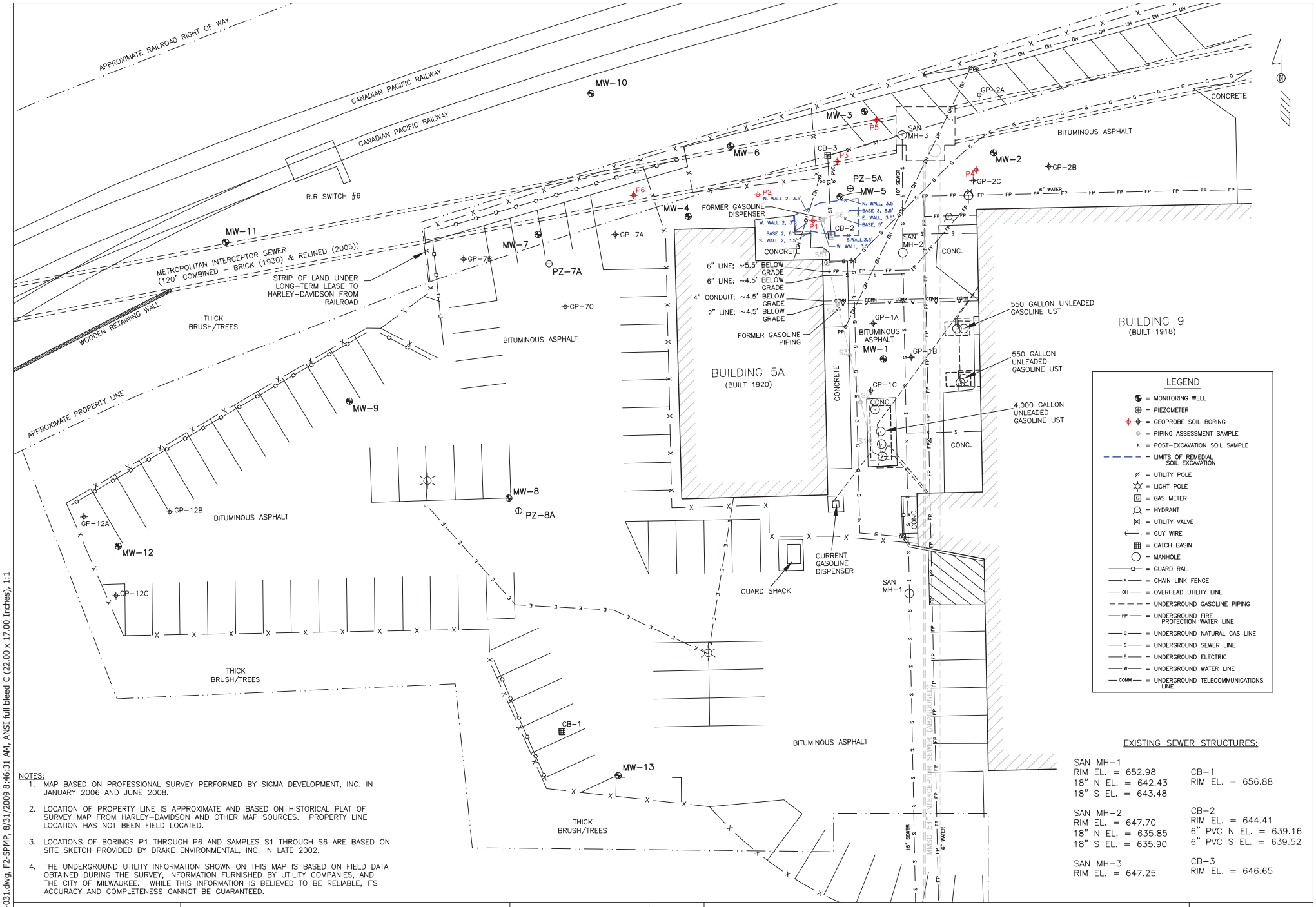
THE SIGMA GROUP
Single Source. Sound Solutions.

TSSA SITE PLAN MAP

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE
MILWAUKEE, WISCONSIN

FIGURE
1

Project: 12465 | Directory: GRAPHICS | Filename: 12465 Site Plan Map 2012.ai | Created by: AJR | Date: 6/19/2012



NOTES:

1. MAP BASED ON PROFESSIONAL SURVEY PERFORMED BY SIGMA DEVELOPMENT, INC. IN JANUARY 2006 AND JUNE 2008.
2. LOCATION OF PROPERTY LINE IS APPROXIMATE AND BASED ON HISTORICAL PLAT OF SURVEY MAP FROM HARLEY-DAVIDSON AND OTHER MAP SOURCES. PROPERTY LINE LOCATION HAS NOT BEEN FIELD LOCATED.
3. LOCATIONS OF BORINGS P1 THROUGH P6 AND SAMPLES S1 THROUGH S6 ARE BASED ON SITE SKETCH PROVIDED BY DRAKE ENVIRONMENTAL, INC. IN LATE 2002.
4. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS MAP IS BASED ON FIELD DATA OBTAINED DURING THE SURVEY, INFORMATION FURNISHED BY UTILITY COMPANIES, AND THE CITY OF MILWAUKEE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED.

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 20' 0' 10' 20' 30' 40'

NO	DATE	REVISIONS	BY	APVD
1	12/17/08	ADD GP-7A, 7B, 7C	KAS	

	NAME:	DATE:
DRAWN BY:	SJGJ	08/31/09
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

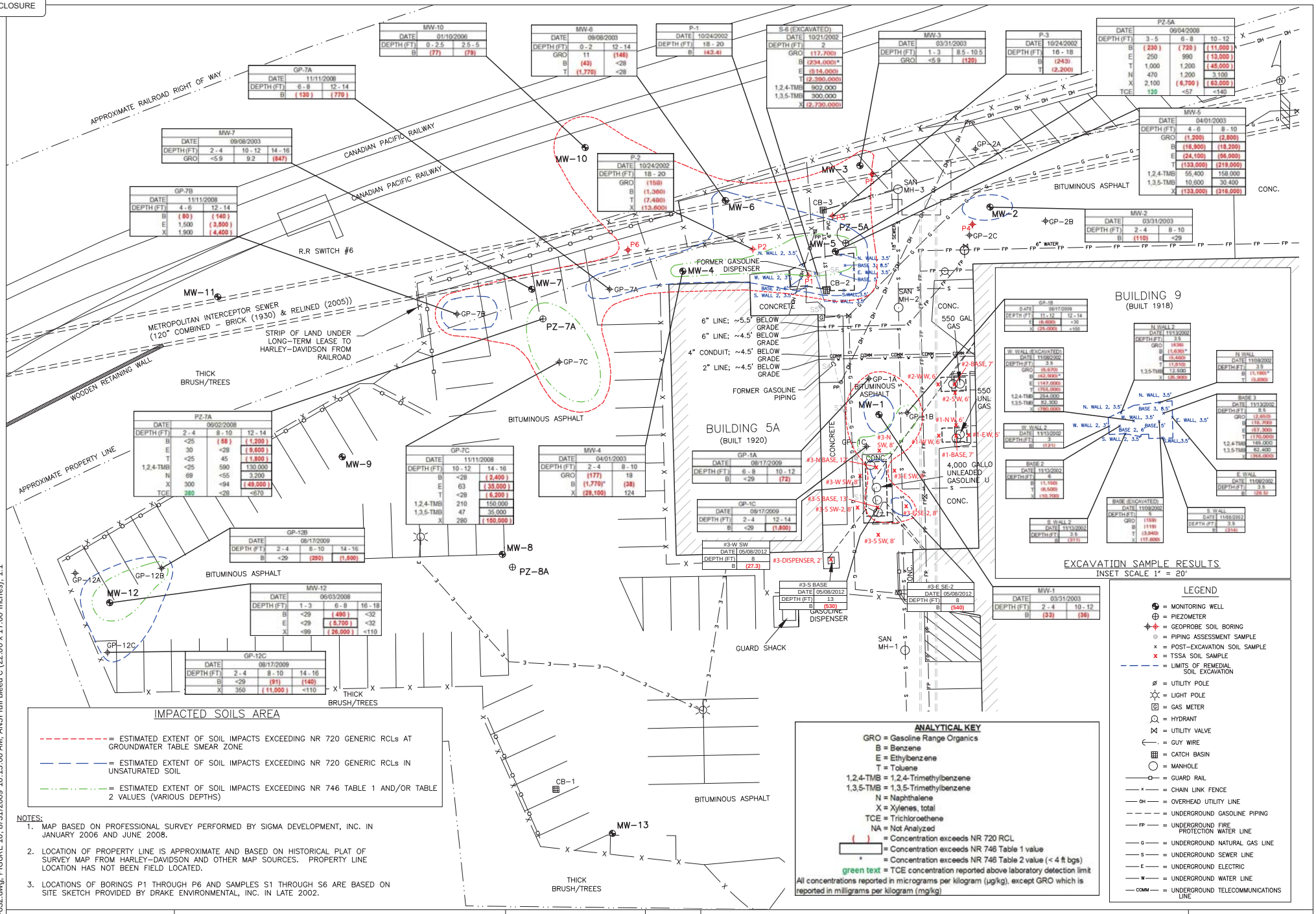
HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE, MILWAUKEE, WI
SITE PLAN MAP

DRAWING NUMBER
7763-031

FIGURE 2

K:\HARLEY\7763\7763-031.dwg, F2-SPMP, 8/31/2009 8:46:31 AM, ANSI full bleed C (22.00 x 17.00 Inches), 1:1

POST CLOSURE



MW-10		
DATE	01/10/2006	
DEPTH (FT)	0 - 2.5	2.5 - 5
B	(77)	(79)

MW-6		
DATE	09/08/2003	
DEPTH (FT)	0 - 2	12 - 14
GRO	11	(146)
B	(43)	<28
T	(1,770)	<28

P-1	
DATE	10/24/2002
DEPTH (FT)	18 - 20
B	(43.4)

S-6 (EXCAVATED)	
DATE	10/21/2002
DEPTH (FT)	2
GRO	(17,700)
B	(234,000)*
E	(514,000)
T	(2,390,000)
1,2,4-TMB	902,000
1,3,5-TMB	300,000
X	(2,730,000)

MW-3		
DATE	03/31/2003	
DEPTH (FT)	1 - 3	8.5 - 10.5
GRO	<5.9	(120)

P-3	
DATE	10/24/2002
DEPTH (FT)	16 - 18
B	(243)
T	(2,200)

PZ-5A			
DATE	06/04/2008		
DEPTH (FT)	3 - 5	6 - 8	10 - 12
B	(230)	(720)	(11,000)
E	250	990	(13,000)
T	1,000	1,200	(45,000)
N	470	1,200	3,100
X	2,100	(6,700)	(63,000)
TCE	120	<57	<140

MW-5		
DATE	04/01/2003	
DEPTH (FT)	4 - 6	8 - 10
GRO	(1,200)	(2,800)
B	(16,900)	(18,200)
E	(24,100)	(56,000)
T	(133,000)	(219,000)
1,2,4-TMB	55,400	158,000
1,3,5-TMB	10,600	30,400
X	(133,000)	(316,000)

MW-2		
DATE	03/31/2003	
DEPTH (FT)	2 - 4	8 - 10
B	(110)	<29

GP-7A		
DATE	11/11/2008	
DEPTH (FT)	6 - 8	12 - 14
B	(120)	(770)

MW-7			
DATE	09/08/2003		
DEPTH (FT)	2 - 4	10 - 12	14 - 16
GRO	<5.9	9.2	(847)

P-2	
DATE	10/24/2002
DEPTH (FT)	18 - 20
GRO	(158)
B	(1,300)
T	(7,400)
X	(13,600)

GP-7B		
DATE	11/11/2008	
DEPTH (FT)	4 - 6	12 - 14
B	(80)	(140)
E	1,500	(3,800)
X	1,900	(4,400)

PZ-7A			
DATE	06/02/2008		
DEPTH (FT)	2 - 4	8 - 10	12 - 14
B	<25	(58)	(1,200)
E	30	<28	(9,600)
T	<25	45	(1,800)
1,2,4-TMB	<25	590	130,000
N	69	<55	3,200
X	300	<94	(49,000)
TCE	380	<28	<670

GP-7C			
DATE	11/11/2008		
DEPTH (FT)	10 - 12	14 - 16	
B	<28	(2,400)	
E	63	(35,000)	
T	<28	(6,200)	
1,2,4-TMB	210	150,000	
1,3,5-TMB	47	35,000	
X	280	(150,000)	

MW-4		
DATE	04/01/2003	
DEPTH (FT)	2 - 4	8 - 10
GRO	(177)	18
B	(1,770)*	(38)
X	(29,100)	124

GP-1A		
DATE	08/17/2009	
DEPTH (FT)	6 - 8	10 - 12
B	<29	(72)

GP-1C		
DATE	08/17/2009	
DEPTH (FT)	2 - 4	12 - 14
B	<29	(1,800)

GP-12B			
DATE	08/17/2009		
DEPTH (FT)	2 - 4	8 - 10	14 - 16
B	<29	(250)	(1,500)

MW-12			
DATE	06/03/2008		
DEPTH (FT)	1 - 3	6 - 8	16 - 18
B	<29	(490)	<32
E	<29	(5,700)	<32
X	<99	(26,000)	<110

GP-12C			
DATE	08/17/2009		
DEPTH (FT)	2 - 4	8 - 10	14 - 16
B	<29	(91)	(140)
X	350	(11,000)	<110

#3-W SW	
DATE	05/08/2012
DEPTH (FT)	8
B	(27.3)

#3-S BASE	
DATE	05/08/2012
DEPTH (FT)	13
B	(530)

#3-E SE-2	
DATE	05/08/2012
DEPTH (FT)	8
B	(540)

MW-1		
DATE	03/31/2003	
DEPTH (FT)	2 - 4	10 - 12
B	(33)	(36)

GP-1B	
DATE	08/17/2009
DEPTH (FT)	6
B	(1,150)
T	(8,500)
X	(10,700)

W. WALL 3	
DATE	11/13/2002
DEPTH (FT)	3
B	(121)

BASE 2	
DATE	11/13/2002
DEPTH (FT)	6
B	(1,150)
T	(8,500)
X	(10,700)

S. WALL 2	
DATE	11/13/2002
DEPTH (FT)	3.5
B	(311)

N. WALL 2	
DATE	11/13/2002
DEPTH (FT)	3.5
GRO	(436)
B	(1,630)*
E	(5,460)
T	(1,910)
1,3,5-TMB	12,500
X	(25,900)

N. WALL	
DATE	11/09/2002
DEPTH (FT)	3.5
B	(1,190)*
T	(5,690)

BASE 3	
DATE	11/13/2002
DEPTH (FT)	8.5
GRO	(2,650)
B	(18,700)
E	(57,300)
T	(170,000)
1,2,4-TMB	165,000
1,3,5-TMB	62,400
X	(265,000)

E. WALL	
DATE	11/08/2002
DEPTH (FT)	3.5
B	(26.5)

BASE (EXCAVATED)	
DATE	11/08/2002
DEPTH (FT)	5
GRO	(159)
B	(119)
T	(3,940)
X	(17,600)

S. WALL	
DATE	11/08/2002
DEPTH (FT)	3.5
B	(314)

GP-1B		
DATE	08/17/2009	
DEPTH (FT)	11 - 12	12 - 14
E	(6,600)	<30
X	(25,000)	<100

W. WALL (EXCAVATED)	
DATE	11/08/2002
DEPTH (FT)	3.5
GRO	(8,670)
B	(42,900)*
E	(147,000)
T	(765,000)
1,2,4-TMB	264,000
1,3,5-TMB	82,300
X	(780,000)

IMPACTED SOILS AREA

- = ESTIMATED EXTENT OF SOIL IMPACTS EXCEEDING NR 720 GENERIC RCLs AT GROUNDWATER TABLE SMEAR ZONE
- = ESTIMATED EXTENT OF SOIL IMPACTS EXCEEDING NR 720 GENERIC RCLs IN UNSATURATED SOIL
- = ESTIMATED EXTENT OF SOIL IMPACTS EXCEEDING NR 746 TABLE 1 AND/OR TABLE 2 VALUES (VARIOUS DEPTHS)

NOTES:

1. MAP BASED ON PROFESSIONAL SURVEY PERFORMED BY SIGMA DEVELOPMENT, INC. IN JANUARY 2006 AND JUNE 2008.
2. LOCATION OF PROPERTY LINE IS APPROXIMATE AND BASED ON HISTORICAL PLAT OF SURVEY MAP FROM HARLEY-DAVIDSON AND OTHER MAP SOURCES. PROPERTY LINE LOCATION HAS NOT BEEN FIELD LOCATED.
3. LOCATIONS OF BORINGS P1 THROUGH P6 AND SAMPLES S1 THROUGH S6 ARE BASED ON SITE SKETCH PROVIDED BY DRAKE ENVIRONMENTAL, INC. IN LATE 2002.

ANALYTICAL KEY

GRO = Gasoline Range Organics
B = Benzene
E = Ethylbenzene
T = Toluene
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
N = Naphthalene
X = Xylenes, total
TCE = Trichloroethene
NA = Not Analyzed
( ) = Concentration exceeds NR 720 RCL
[ ] = Concentration exceeds NR 746 Table 1 value
* = Concentration exceeds NR 746 Table 2 value (< 4 ft bgs)
green text = TCE concentration reported above laboratory detection limit

All concentrations reported in micrograms per kilogram (µg/kg), except GRO which is reported in milligrams per kilogram (mg/kg)

LEGEND

- = MONITORING WELL
- = PIEZOMETER
- = GEOPROBE SOIL BORING
- = PIPING ASSESSMENT SAMPLE
- = POST-EXCAVATION SOIL SAMPLE
- = TSSA SOIL SAMPLE
- = LIMITS OF REMEDIAL SOIL EXCAVATION
- = UTILITY POLE
- = LIGHT POLE
- = GAS METER
- = HYDRANT
- = UTILITY VALVE
- = GUY WIRE
- = CATCH BASIN
- = MANHOLE
- = GUARD RAIL
- = CHAIN LINK FENCE
- = OVERHEAD UTILITY LINE
- = UNDERGROUND GASOLINE PIPING
- = UNDERGROUND FIRE PROTECTION WATER LINE
- = UNDERGROUND NATURAL GAS LINE
- = UNDERGROUND SEWER LINE
- = UNDERGROUND ELECTRIC
- = UNDERGROUND WATER LINE
- = UNDERGROUND TELECOMMUNICATIONS LINE

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 20' 0' 10' 20' 30' 40'

NO	DATE	REVISIONS	BY	APVD

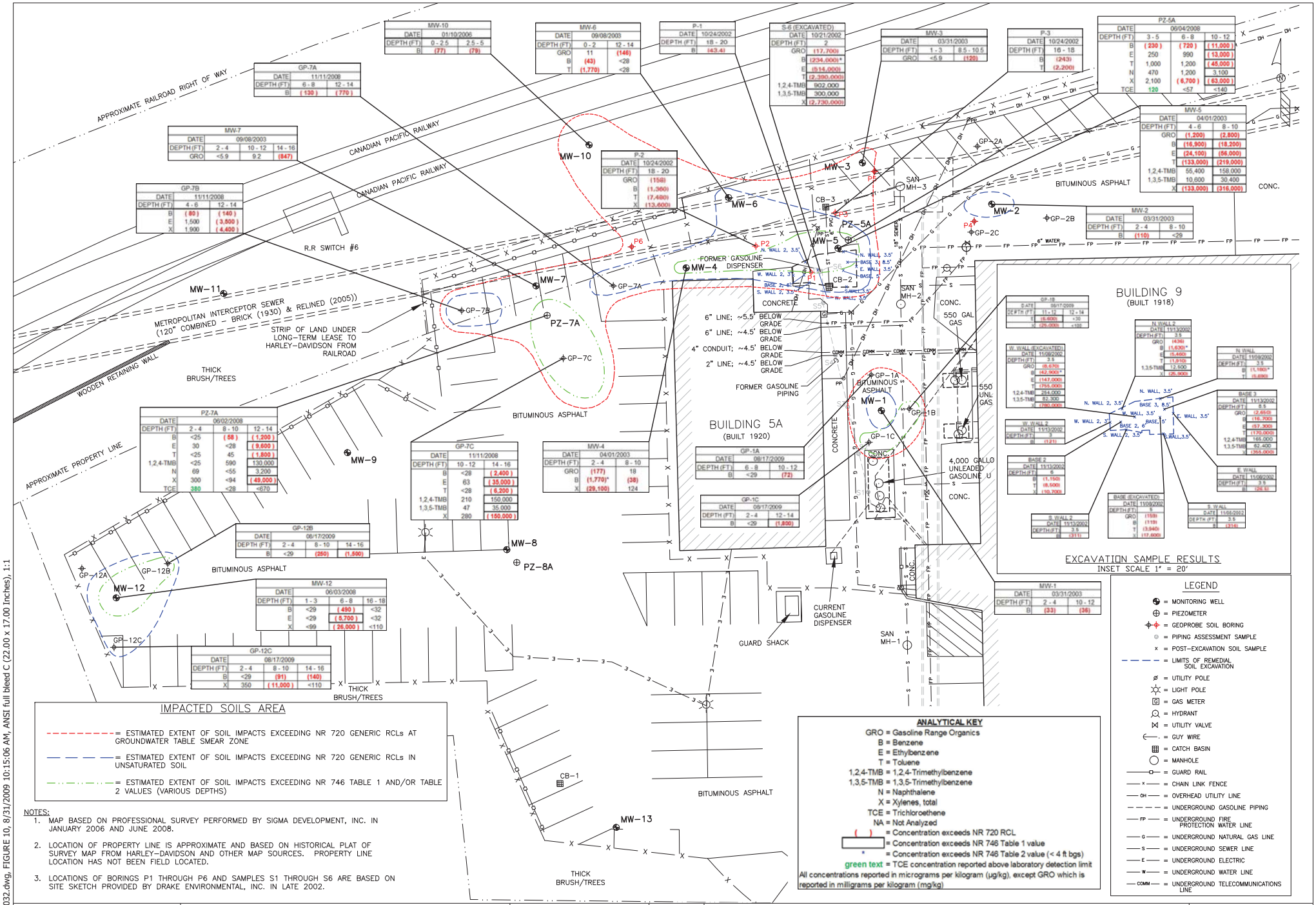
	NAME:	DATE:
DRAWN BY:	SJGJ	01/26/09
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE, MILWAUKEE, WI
SOIL QUALITY MAP-EXCEEDANCES ONLY

DRAWING NUMBER
7763-032

FIGURE 2

K:\HARLEY\7763\7763-032.dwg, FIGURE 10, 8/31/2009 10:15:06 AM, ANSI full bleed C (22.00 x 17.00 Inches), 1:1



MW-10		
DATE	01/10/2006	
DEPTH (FT)	0 - 2.5	2.5 - 5
B	(77)	(79)

MW-6		
DATE	09/08/2003	
DEPTH (FT)	0 - 2	12 - 14
GRO	11	(146)
B	(43)	<28
T	(1,770)	<28

P-1	
DATE	10/24/2002
DEPTH (FT)	18 - 20
B	(43.4)

S-6 (EXCAVATED)	
DATE	10/21/2002
DEPTH (FT)	2
GRO	(17,700)
B	(234,000)*
E	(514,000)
T	(2,390,000)
1,2,4-TMB	902,000
1,3,5-TMB	300,000
X	(2,730,000)

MW-3		
DATE	03/31/2003	
DEPTH (FT)	1 - 3	8.5 - 10.5
GRO	<5.9	(120)

P-3	
DATE	10/24/2002
DEPTH (FT)	16 - 18
B	(243)
T	(2,200)

PZ-5A			
DATE	06/04/2008		
DEPTH (FT)	3 - 5	6 - 8	10 - 12
B	(230)	(720)	(11,000)
E	250	990	(13,000)
T	1,000	1,200	(45,000)
N	470	1,200	3,100
X	2,100	(6,700)	(63,000)
TCE	120	<57	<140

MW-5		
DATE	04/01/2003	
DEPTH (FT)	4 - 6	8 - 10
GRO	(1,200)	(2,800)
B	(16,900)	(18,200)
E	(24,100)	(56,000)
T	(133,000)	(219,000)
1,2,4-TMB	55,400	158,000
1,3,5-TMB	10,600	30,400
X	(133,000)	(316,000)

MW-2		
DATE	03/31/2003	
DEPTH (FT)	2 - 4	8 - 10
B	(110)	<29

GP-7A		
DATE	11/11/2008	
DEPTH (FT)	6 - 8	12 - 14
B	(130)	(770)

MW-7			
DATE	09/08/2003		
DEPTH (FT)	2 - 4	10 - 12	14 - 16
GRO	<5.9	9.2	(847)

P-2	
DATE	10/24/2002
DEPTH (FT)	18 - 20
GRO	(158)
B	(1,300)
T	(7,480)
X	(13,600)

GP-7B		
DATE	11/11/2008	
DEPTH (FT)	4 - 6	12 - 14
B	(80)	(140)
E	1,500	(3,800)
X	1,900	(4,400)

PZ-7A			
DATE	06/02/2008		
DEPTH (FT)	2 - 4	8 - 10	12 - 14
B	<25	(58)	(1,200)
E	30	<28	(9,600)
T	<25	45	(1,800)
1,2,4-TMB	<25	590	130,000
N	69	<55	3,200
X	300	<94	(49,000)
TCE	380	<28	<670

GP-7C			
DATE	11/11/2008		
DEPTH (FT)	10 - 12	14 - 16	
B	<28	(2,400)	
E	63	(35,000)	
T	<28	(6,200)	
1,2,4-TMB	210	150,000	
1,3,5-TMB	47	35,000	
X	280	(150,000)	

MW-4		
DATE	04/01/2003	
DEPTH (FT)	2 - 4	8 - 10
GRO	(177)	18
B	(1,770)*	(38)
X	(29,100)	124

GP-1A		
DATE	08/17/2009	
DEPTH (FT)	6 - 8	10 - 12
B	<29	(72)

GP-1C		
DATE	08/17/2009	
DEPTH (FT)	2 - 4	12 - 14
B	<29	(1,800)

GP-12B			
DATE	08/17/2009		
DEPTH (FT)	2 - 4	8 - 10	14 - 16
B	<29	(250)	(1,500)

MW-12			
DATE	06/03/2008		
DEPTH (FT)	1 - 3	6 - 8	16 - 18
B	<29	(490)	<32
E	<29	(5,700)	<32
X	<99	(26,000)	<110

GP-12C			
DATE	08/17/2009		
DEPTH (FT)	2 - 4	8 - 10	14 - 16
B	<29	(91)	(140)
X	350	(11,000)	<110

MW-1		
DATE	03/31/2003	
DEPTH (FT)	2 - 4	10 - 12
B	(33)	(36)

GP-1B	
DATE	08/17/2009
DEPTH (FT)	18 - 20
B	(1,300)
E	(2,600)
T	(1,900)
1,2,4-TMB	12,500
X	(25,900)

N. WALL 2	
DATE	11/13/2002
DEPTH (FT)	3.5
GRO	(436)
B	(1,630)*
E	(5,460)
T	(1,910)
1,3,5-TMB	12,500
X	(25,900)

W. WALL (EXCAVATED)	
DATE	11/08/2002
DEPTH (FT)	3.5
GRO	(8,670)
B	(42,900)*
E	(147,000)
T	(755,000)
1,2,4-TMB	254,000
1,3,5-TMB	82,300
X	(780,000)

N. WALL	
DATE	11/09/2002
DEPTH (FT)	3.5
B	(1,160)*
T	(5,690)

W. WALL 2	
DATE	11/13/2002
DEPTH (FT)	3
B	(121)

BASE 3	
DATE	11/13/2002
DEPTH (FT)	5.5
GRO	(2,450)
B	(16,700)
E	(57,300)
T	(170,000)
1,2,4-TMB	165,000
1,3,5-TMB	62,400
X	(355,000)

BASE 2	
DATE	11/13/2002
DEPTH (FT)	6
B	(1,150)
T	(8,500)
X	(10,700)

E. WALL	
DATE	11/08/2002
DEPTH (FT)	3.5
B	(26,8)

BASE (EXCAVATED)	
DATE	11/08/2002
DEPTH (FT)	5
GRO	(159)
B	(119)
T	(3,940)
X	(17,600)

S. WALL 2	
DATE	11/13/2002
DEPTH (FT)	3.5
B	(311)

S. WALL	
DATE	11/08/2002
DEPTH (FT)	3.5
B	(314)

IMPACTED SOILS AREA

- = ESTIMATED EXTENT OF SOIL IMPACTS EXCEEDING NR 720 GENERIC RCLs AT GROUNDWATER TABLE SMEAR ZONE
- = ESTIMATED EXTENT OF SOIL IMPACTS EXCEEDING NR 720 GENERIC RCLs IN UNSATURATED SOIL
- = ESTIMATED EXTENT OF SOIL IMPACTS EXCEEDING NR 746 TABLE 1 AND/OR TABLE 2 VALUES (VARIOUS DEPTHS)

NOTES:

1. MAP BASED ON PROFESSIONAL SURVEY PERFORMED BY SIGMA DEVELOPMENT, INC. IN JANUARY 2006 AND JUNE 2008.
2. LOCATION OF PROPERTY LINE IS APPROXIMATE AND BASED ON HISTORICAL PLAT OF SURVEY MAP FROM HARLEY-DAVIDSON AND OTHER MAP SOURCES. PROPERTY LINE LOCATION HAS NOT BEEN FIELD LOCATED.
3. LOCATIONS OF BORINGS P1 THROUGH P6 AND SAMPLES S1 THROUGH S6 ARE BASED ON SITE SKETCH PROVIDED BY DRAKE ENVIRONMENTAL, INC. IN LATE 2002.

ANALYTICAL KEY

GRO = Gasoline Range Organics
B = Benzene
E = Ethylbenzene
T = Toluene
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
N = Naphthalene
X = Xylenes, total
TCE = Trichloroethene
NA = Not Analyzed
( ) = Concentration exceeds NR 720 RCL
[ ] = Concentration exceeds NR 746 Table 1 value
* = Concentration exceeds NR 746 Table 2 value (< 4 ft bgs)
green text = TCE concentration reported above laboratory detection limit

All concentrations reported in micrograms per kilogram (µg/kg), except GRO which is reported in milligrams per kilogram (mg/kg)

LEGEND

- = MONITORING WELL
- = PIEZOMETER
- = GEOPROBE SOIL BORING
- = PIPING ASSESSMENT SAMPLE
- = POST-EXCAVATION SOIL SAMPLE
- = LIMITS OF REMEDIAL SOIL EXCAVATION
- = UTILITY POLE
- = LIGHT POLE
- = GAS METER
- = HYDRANT
- = UTILITY VALVE
- = GUY WIRE
- = CATCH BASIN
- = MANHOLE
- = GUARD RAIL
- = CHAIN LINK FENCE
- = OVERHEAD UTILITY LINE
- = UNDERGROUND GASOLINE PIPING
- = UNDERGROUND FIRE PROTECTION WATER LINE
- = UNDERGROUND NATURAL GAS LINE
- = UNDERGROUND SEWER LINE
- = UNDERGROUND ELECTRIC
- = UNDERGROUND WATER LINE
- = UNDERGROUND TELECOMMUNICATIONS LINE

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – 1" = 20' 0' 10' 20' 30' 40'

NO	DATE	REVISIONS	BY	APVD

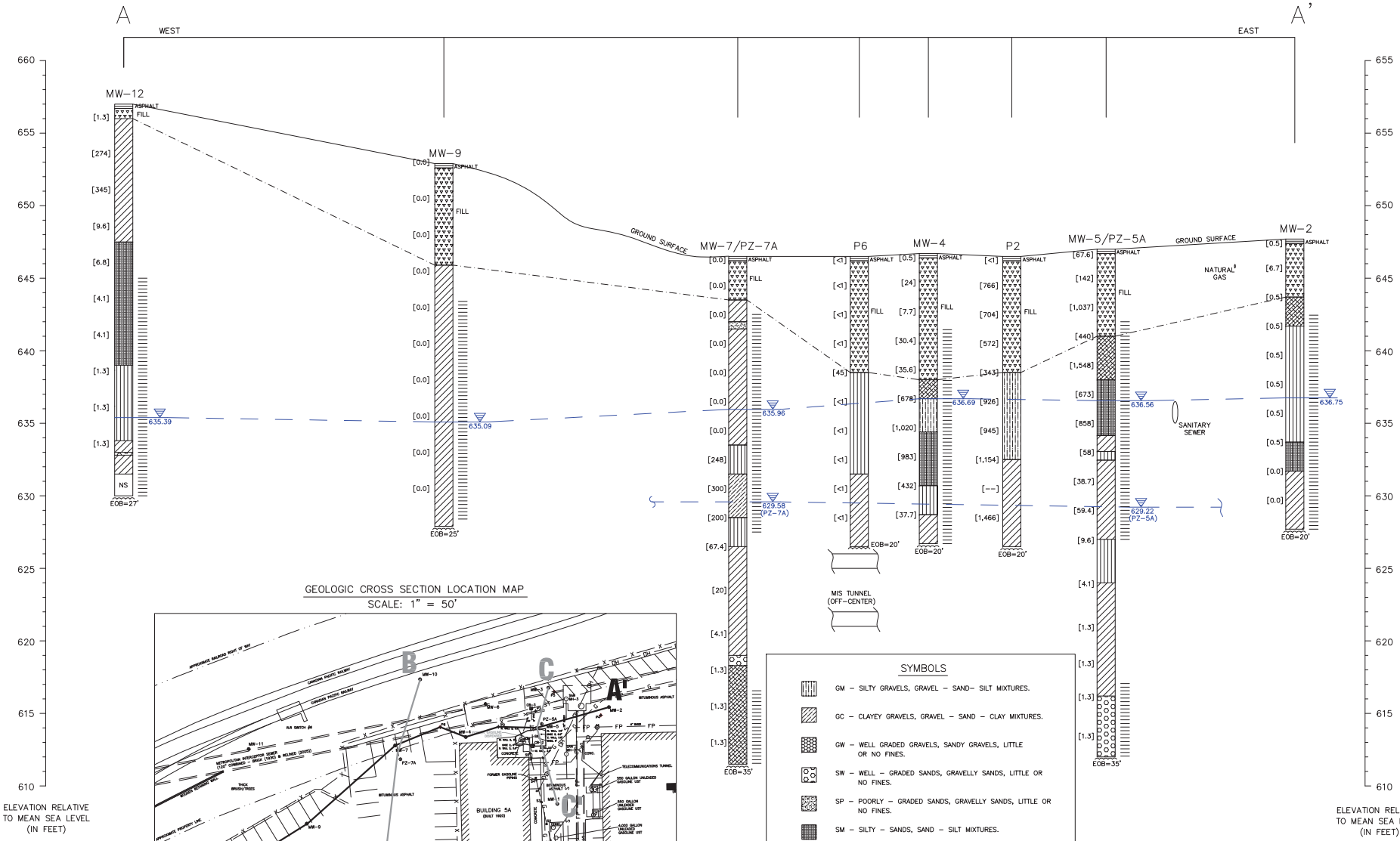
	NAME:	DATE:
DRAWN BY:	SJGJ	01/26/09
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE, MILWAUKEE, WI
SOIL QUALITY MAP-EXCEEDANCES ONLY

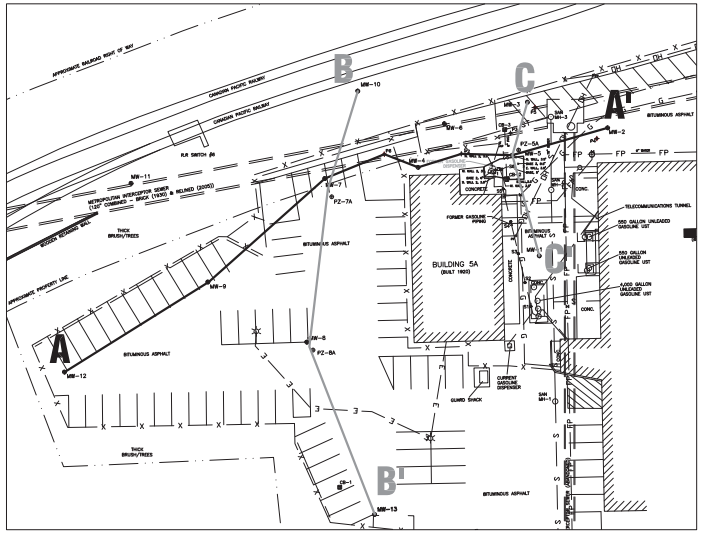
DRAWING NUMBER
7763-032

FIGURE 10

K:\HARLEY\7763\7763-032.dwg, FIGURE 10, 8/31/2009 10:15:06 AM, ANSI full bleed C (22.00 x 17.00 Inches), 1:1



GEOLOGIC CROSS SECTION LOCATION MAP
SCALE: 1" = 50'



SYMBOLS

- GM – SILTY GRAVELS, GRAVEL – SAND– SILT MIXTURES.
- GC – CLAYEY GRAVELS, GRAVEL – SAND – CLAY MIXTURES.
- GW – WELL GRADED GRAVELS, SANDY GRAVELS, LITTLE OR NO FINES.
- SW – WELL – GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SP – POORLY – GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SM – SILTY – SANDS, SAND – SILT MIXTURES.
- SC – CLAYEY SANDS, SAND – CLAY MIXTURES
- ML – INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
- CL – INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.
- FILL – FILL MATERIAL
- ASPHALT – ASPHALT
- NS – NO SAMPLE COLLECTED

LEGEND

- = WELL SCREEN INTERVAL
- = STATIC WATER LEVEL (MEASURED 6–24–08)
- [ ] = PHOTOIONIZATION DETECTOR (PID) VALUE IN PARTS PER MILLION
- = INFERRED CONTACT LINE

NOTES:
HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 5'

K:\HARLEY\7763\7763-027.dwg, A-A'-F5-GCSM, 1/26/2009 3:30:49 PM, Previous paper size (22.00 x 17.00 Inches), 1:1

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – SEE SCALE ABOVE 0'

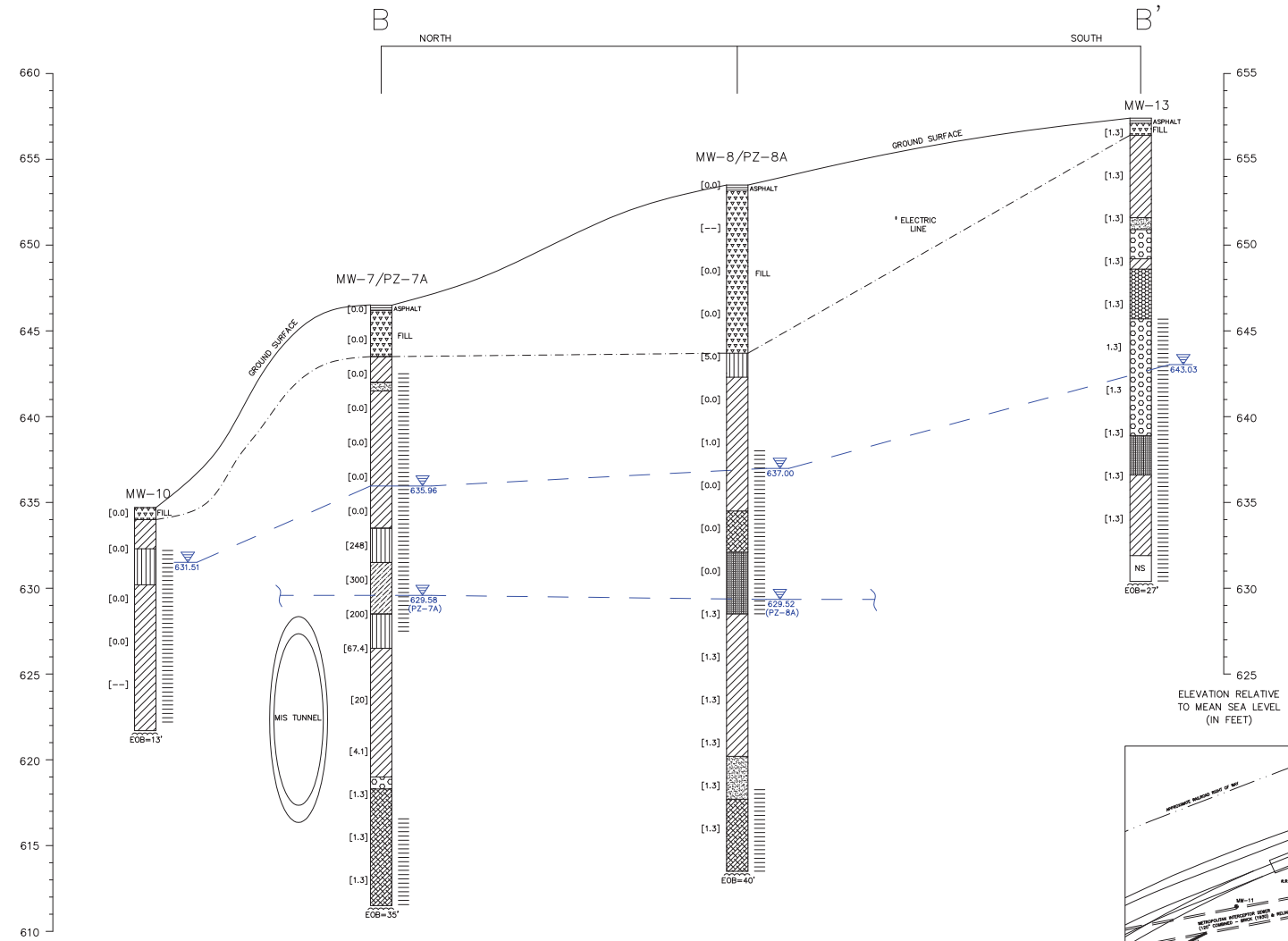
NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	SJGJ	09–18–08
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE, MILWAUKEE, WI
GEOLOGIC CROSS SECTION A - A'

DRAWING NUMBER
7763–027

FIGURE 5



SYMBOLS

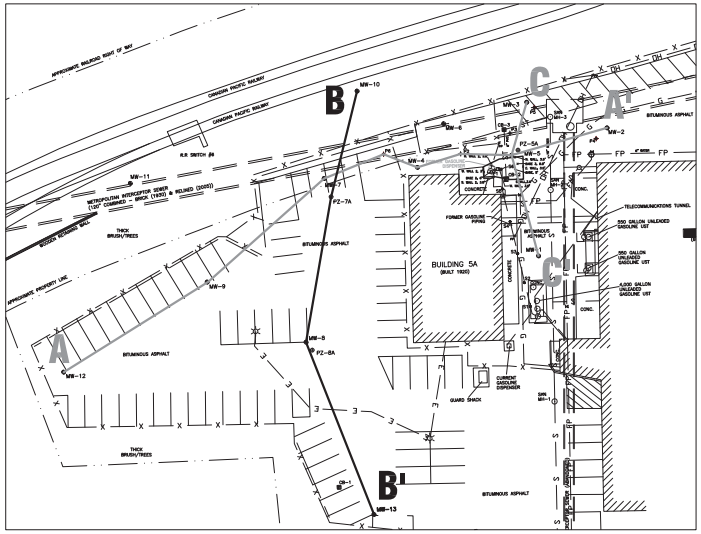
- GM – SILTY GRAVELS, GRAVEL – SAND– SILT MIXTURES.
- GC – CLAYEY GRAVELS, GRAVEL – SAND – CLAY MIXTURES.
- GW – WELL GRADED GRAVELS, SANDY GRAVELS, LITTLE OR NO FINES.
- SW – WELL – GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SP – POORLY – GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SM – SILTY – SANDS, SAND – SILT MIXTURES.
- SC – CLAYEY SANDS, SAND – CLAY MIXTURES
- ML – INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
- CL – INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.
- FILL – FILL MATERIAL
- ASPHALT – ASPHALT
- NS – NO SAMPLE COLLECTED

LEGEND

- ☰ = WELL SCREEN INTERVAL
- ▽ = STATIC WATER LEVEL (MEASURED 6–24–08)
- [ ] = PHOTOIONIZATION DETECTOR (PID) VALUE IN PARTS PER MILLION
- -·-·- = INFERRED CONTACT LINE

GEOLOGIC CROSS SECTION LOCATION MAP

SCALE: 1" = 50'



NOTES:
HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 5'

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – SEE SCALE ABOVE 0'

NO	DATE	REVISIONS	BY	APVD

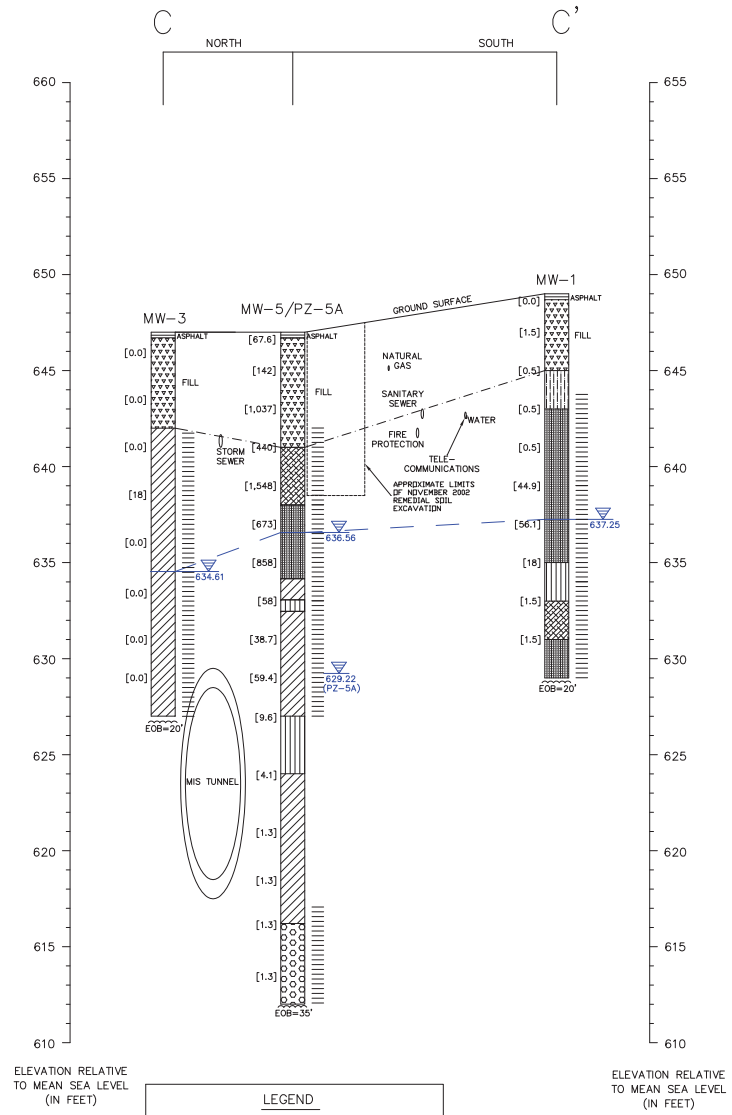
	NAME:	DATE:
DRAWN BY:	SJGJ	09–18–08
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE, MILWAUKEE, WI
GEOLOGIC CROSS SECTION B - B'

DRAWING NUMBER
7763–027

FIGURE 6

K:\HARLEY\7763\7763-027.dwg, B-B'-F6-GCSM, 1/26/2009 3:31:34 PM, Previous paper size (22.00 x 17.00 Inches), 1:1



SYMBOLS

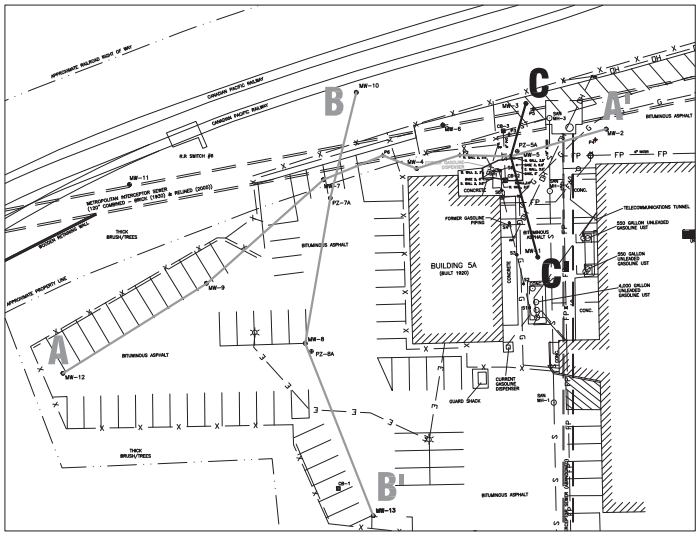
- GM – SILTY GRAVELS, GRAVEL – SAND– SILT MIXTURES.
- GC – CLAYEY GRAVELS, GRAVEL – SAND – CLAY MIXTURES.
- GW – WELL GRADED GRAVELS, SANDY GRAVELS, LITTLE OR NO FINES.
- SW – WELL – GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SP – POORLY – GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SM – SILTY – SANDS, SAND – SILT MIXTURES.
- SC – CLAYEY SANDS, SAND – CLAY MIXTURES
- ML – INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
- CL – INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.
- FILL – FILL MATERIAL
- ASPHALT – ASPHALT
- NS – NO SAMPLE COLLECTED

LEGEND

- = WELL SCREEN INTERVAL
- = STATIC WATER LEVEL (MEASURED 6–24–08)
- [ ] = PHOTOIONIZATION DETECTOR (PID) VALUE IN PARTS PER MILLION
- = INFERRED CONTACT LINE

GEOLOGIC CROSS SECTION LOCATION MAP

SCALE: 1" = 50'



NOTES:
HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 5'

K:\HARLEY\7763\7763-027.dwg, C-C-F7-GCSM, 1/26/2009 3:32:07 PM, Previous paper size (22.00 x 17.00 Inches), 1:1

THE SIGMA GROUP
Single Source. Sound Solutions.
www.thesigmagroup.com
1300 West Canal Street
Milwaukee, Wisconsin 53233
Phone: 414-643-4200
Fax: 414-643-4210

SCALE – SEE SCALE ABOVE 0'

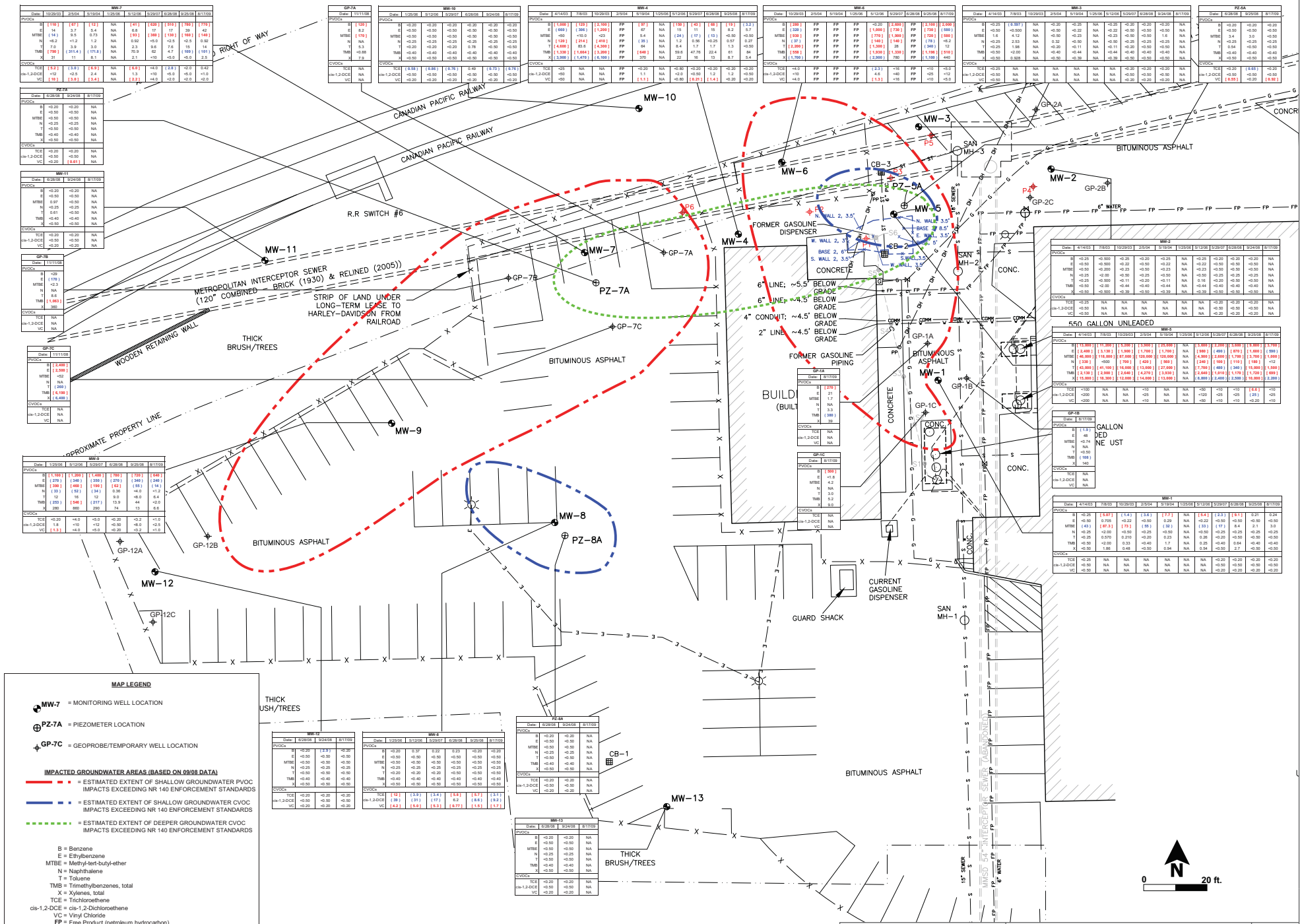
NO	DATE	REVISIONS	BY	APVD

	NAME:	DATE:
DRAWN BY:	SJGJ	09–18–08
DESIGNED BY:		
CHECKED BY:		
APPROVED BY:		

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE, MILWAUKEE, WI
GEOLOGIC CROSS SECTION C - C'

DRAWING NUMBER
7763–027

FIGURE 7



MAP LEGEND

MW-7 = MONITORING WELL LOCATION

PZ-7A = PIEZOMETER LOCATION

GP-7C = GEOPROBE/TEMPORARY WELL LOCATION

IMPACTED GROUNDWATER AREAS (BASED ON 09/08 DATA)

= ESTIMATED EXTENT OF SHALLOW GROUNDWATER PVOC IMPACTS EXCEEDING NR 140 ENFORCEMENT STANDARDS

= ESTIMATED EXTENT OF SHALLOW GROUNDWATER CVOC IMPACTS EXCEEDING NR 140 ENFORCEMENT STANDARDS

= ESTIMATED EXTENT OF DEEPER GROUNDWATER CVOC IMPACTS EXCEEDING NR 140 ENFORCEMENT STANDARDS

B = Benzene
E = Ethylbenzene
MTBE = Methyl-tert-butyl-ether
N = Naphthalene
T = Toluene
TMB = Trimethylbenzenes, total
X = Xylenes, total
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
VC = Vinyl Chloride
FP = Free Product (petroleum hydrocarbon)
NA = Not Analyzed

All concentrations reported in micrograms per liter (µg/L)

NR 140 Exceedances: [ ] = Concentration exceeds NR 140 Enforcement Standard
( ) = Concentration exceeds NR 140 Preventive Action Limit

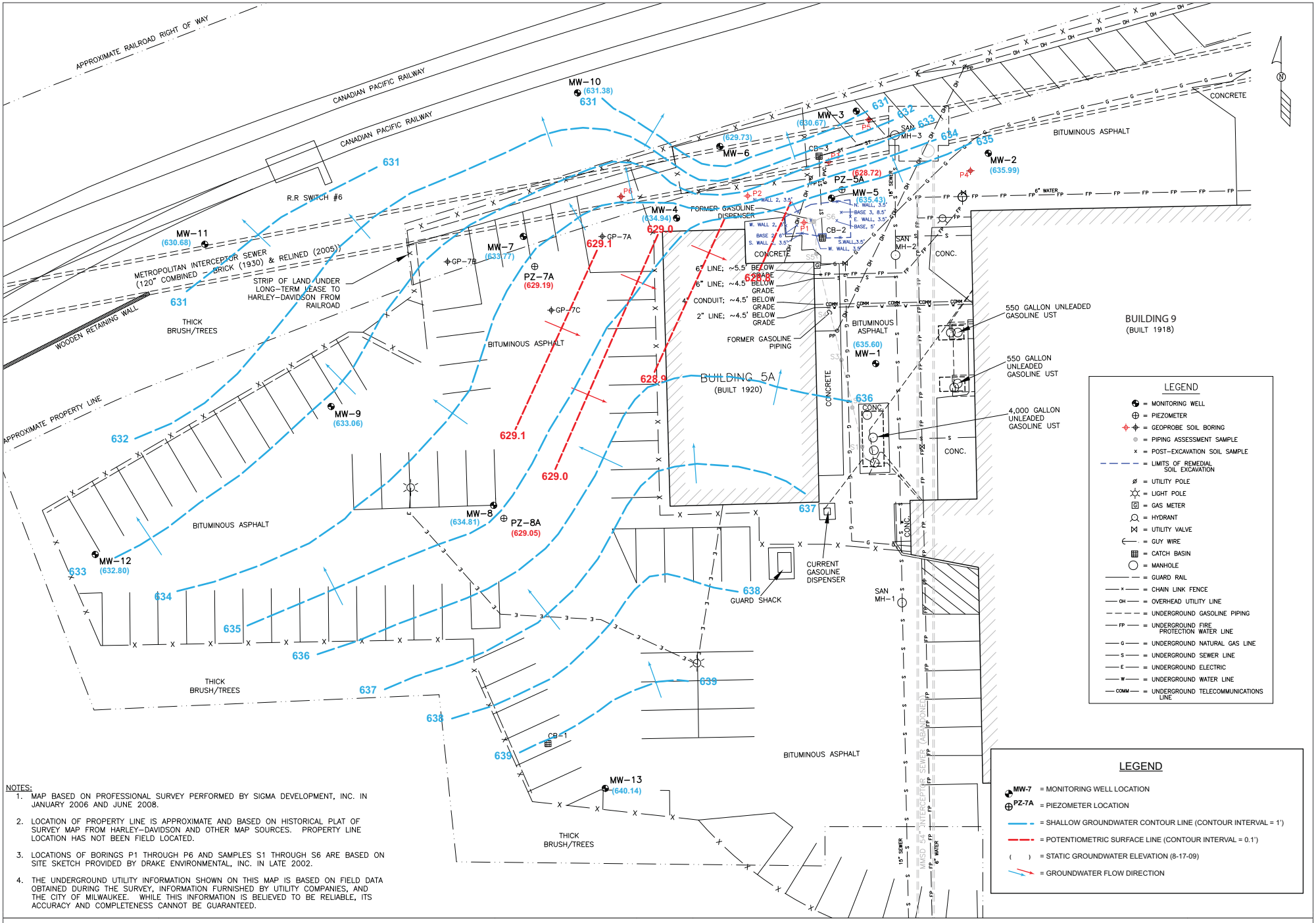
THE SIGMA GROUP
Single Source. Sound Solutions.

GROUNDWATER QUALITY MAP

HARLEY-DAVIDSON MOTOR COMPANY
3700 WEST JUNEAU AVENUE
MILWAUKEE, WISCONSIN

FIGURE
6

Project: 7763 | Directory: GRAPHICS | Filename: 7763-GW Quality Map 01-23-09.jpl | Created by: AJR | Date: 01/23/2009



NOTES:

1. MAP BASED ON PROFESSIONAL SURVEY PERFORMED BY SIGMA DEVELOPMENT, INC. IN JANUARY 2006 AND JUNE 2008.
2. LOCATION OF PROPERTY LINE IS APPROXIMATE AND BASED ON HISTORICAL PLAT OF SURVEY MAP FROM HARLEY-DAVIDSON AND OTHER MAP SOURCES. PROPERTY LINE LOCATION HAS NOT BEEN FIELD LOCATED.
3. LOCATIONS OF BORINGS P1 THROUGH P6 AND SAMPLES S1 THROUGH S6 ARE BASED ON SITE SKETCH PROVIDED BY DRAKE ENVIRONMENTAL, INC. IN LATE 2002.
4. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS MAP IS BASED ON FIELD DATA OBTAINED DURING THE SURVEY, INFORMATION FURNISHED BY UTILITY COMPANIES, AND THE CITY OF MILWAUKEE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED.

N

0 20 ft.

THE SIGMA GROUP
Single Source. Sound Solutions.

GROUNDWATER CONTOUR MAP (8-17-09)

HARLEY-DAVISON MOTOR COMPANY
3700 WEST JUNEAU AVENUE
MILWAUKEE, WISCONSIN

FIGURE
2

Project: 7763 | Directory: GRAPHICS | Filename: 7763-GW Contour Map Aug 03 & 15.09.ai | Created by: AJR | Date: 9/16/09

POST CLOSURE

TABLE 1
TSSA Soil Quality Results
Harley-Davidson Juneau Facility (Between Buildings 5A and 9) - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Project Reference #12405

				UST Identification:	500-Gallon UST (South)				500-Gallon UST (North)			4,000-Gallon UST								
				Sample Identification:	#1-E W	#1-N W	#1-W W	#1-BASE	#2-W W	#2-S W	#2-BASE	#3-N SW	#3-W SW	#3-S SW-2	#3-S SW	#3-E SE-2	#3-E SW	#3-N BASE	#3-S BASE	#3-DISPENSER
				Sample Depth (feet):	6	6	6	7	6	6	7	8	8	8	8	8	8	12	13	2
Parameter	Unit	NR 720	NR 746		Collection Date															
		RCL	Table 1	Table 2	05/01/12	05/01/12	05/01/12	05/01/12	05/01/12	05/01/12	05/01/12	05/01/12	05/01/12	05/08/12	05/08/12	05/08/12	05/01/12	05/01/12	05/08/12	05/08/12
Gasoline Range Organics	mg/kg	100	NS	NS	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	21	<10	<10	45	32
Benzene	µg/kg	5.5	8,500	1,100	<25	<25	<25	<25	<25	<25	<25	<25	<25	**(27.3)**	<25	**(540)**	<25	<25	**(530)**	<25
Ethylbenzene	µg/kg	2,900	4,600	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	760	<25	<25	1,000	67
Methyl-tert-butyl-ether	µg/kg	NS	NS	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Naphthalene	µg/kg	NS	2,700	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	249	<25	<25	590	32
Toluene	µg/kg	1,500	38,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	213	<25	<25	168	216
1,2,4-Trimethylbenzene	µg/kg	NS	83,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	910	<25	<25	2,100	410
1,3,5-Trimethylbenzene	µg/kg	NS	11,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	202	<25	<25	520	520
Total Xylenes	µg/kg	4,100	42,000	NS	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	877	<50	<50	1,300	268

Notes:
1. mg/kg = milligrams per kilogram (equivalent to parts per million)
2. µg/kg = micrograms per kilogram (equivalent to parts per billion)
3. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level.
4. NR 746 Table 1 = Wisconsin Administrative Code, Chapter NR 746, Table 1 soil screening level: "Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores"
5. NR 746 Table 2 = Wisconsin Administrative Code, Chapter NR 746, Table 2 value: "Protection of Human Health from Direct Contact with Contaminated Soil"
6. NS = no standard
7. Exceedances: **( ) = Concentration exceeds NR 720 generic RCL**
   [ ] = Concentration exceeds NR 746 Table 1 value
   { } = Concentration exceeds NR 746 Table 2 value

Table 1
Soil Quality Results - Piping Assessment
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		S-1	S-2	S-3	S-4	S-5	S-6	MeOH Blank	NR 720 RCL	NR 746 Table 1/ Table 2
Sample Depth (feet bgs):		1.5	2	2.5	2.5	2	2			
	Date:	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02		
Photoionization Detector	ppm	<1	<1	<1	<1	<1	2,172	---	NS	NS / NS
Gasoline Range Organics	mg/kg	<5.93	6.13	<5.54	<5.61	<5.58	**17,700**	<5.00	100	NS / NS
PVOCs										
Benzene	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	**234,000***	<25.0	5.5	8,500 / 1,100
Ethylbenzene	µg/kg	32.8	<25.0	<25.0	<25.0	<25.0	**514,000**	<25.0	2,900	4,600 / NS
MTBE	µg/kg	<25.0	<25.0	<25.0	<25.0	<25.0	193,000	<25.0	NS	NS / NS
Toluene	µg/kg	146	<25.0	<25.0	<25.0	<25.0	**2,390,000**	<25.0	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	73.8	25.6	<25.0	33.1	<25.0	902,000	<25.0	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	59.4	78.2	<25.0	<25.0	<25.0	300,000	<25.0	NS	11,000 / NS
Xylenes (total)	µg/kg	200	51.8	<25.0	29.5	<25.0	**2,730,000**	<25.0	4,100	42,000 / NS

Notes:
1. Soil samples S-1 through S-6 collected by Drake Environmental, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. NS = no standard established
7. Exceedances:
   - **bold** = Concentration exceeds NR 720 RCL
   - box = Concentration exceeds NR 746 Table 1 value
   - * = Concentration exceeds NR 746 Table 2 value
8. Soil was excavated from former dispenser area in early November 2002. Shading indicates that soil sample from 10/21/02 was removed during this initial excavation in early November 2002.

Table 2
Soil Quality Results - Initial Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		P-1	P-2	P-3	P-4	P-5		P-6		MeOH		NR 746
Sample Depth (feet bgs):		18 - 20	18 - 20	16 - 18	---	10 - 12	18 - 20	8 - 10	18 - 20	Blank	NR 720	Table 1/
	Date:	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02		10/24/02		10/24/02	RCL	Table 2
Photoionization Detector	ppm	86	1,466	763	---	349	<1	45	<1	---	NS	NS / NS
Gasoline Range Organics	mg/kg	<5.62	**158**	31.3	---	60.8	<5.54	28.7	<5.65	<5.00	100	NS / NS
Diesel Range Organics	mg/kg	6.8	NA	NA	---	37.0	NA	**118**	NA	NA	100	NS / NS
PVOCs												
Benzene	µg/kg	**43.4**	**1,360**	**243**	Refusal at 4 feet - no sample collected	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	8,500 / 1,100
Ethylbenzene	µg/kg	44.5	2,620	479		<25.0	<25.0	<25.0	<25.0	<25.0	2,900	4,600 / NS
MTBE	µg/kg	101	974	3,290		<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS / NS
Toluene	µg/kg	170	**7,480**	**2,200**		<25.0	<25.0	<25.0	<25.0	<25.0	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	61.1	8,140	1,120		283	<25.0	154	<25.0	<25.0	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	<25.0	3,100	355		353	<25.0	293	<25.0	<25.0	NS	11,000 / NS
Xylenes (total)	µg/kg	165	**13,600**	2,350		67.0	<25.0	<25.0	<25.0	25.0	4,100	42,000 / NS

Notes:
1. Soil borings P-1 through P-6 installed by Drake Environmental, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. NA = not analyzed
7. NS = no standard established
8. Exceedances:
   - **bold** = Concentration exceeds NR 720 RCL
   - box = Concentration exceeds NR 746 Table 1 value
   - * = Concentration exceeds NR 746 Table 2 value

Table 3
Soil Quality Results - Limits of Excavation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		Base	Base 2	Base 3	N. Wall	N. Wall 2	E. Wall	S. Wall	S. Wall 2	W. Wall	W. Wall 2		NR 746
Sample Depth (feet bgs):		5	6	8.5	3.5	3.5	3.5	3.5	3.5	3.5	3	NR 720	Table 1/
	Date:	11/08/02	11/13/02	11/13/02	11/08/02	11/13/02	11/08/02	11/08/02	11/13/02	11/08/02	11/13/02	RCL	Table 2
Photoionization Detector	ppm	246	398	782	147	678	46	22	71	1,514	39	NS	NS / NS
Gasoline Range Organics	mg/kg	**159**	70.9	**2,650**	30.8	**436**	15.1	14.1	14.5	**8,670**	25.5	100	NS / NS
PVOCs													
Benzene	µg/kg	**119**	**1,150**	**16,700**	**1,180***	**1,630***	**26.5**	**314**	**311**	**42,900***	**121**	5.5	8,500 / 1,100
Ethylbenzene	µg/kg	1,520	1,840	**57,300**	127	**5,460**	46.7	135	196	**147,000**	441	2,900	4,600 / NS
MTBE	µg/kg	423	4,960	14,200	2,310	1,730	<25.0	321	221	38,300	636	NS	NS / NS
Toluene	µg/kg	**3,940**	**8,500**	**170,000**	**5,690**	**1,910**	194	934	346	**755,000**	882	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	8,400	4,760	165,000	335	35,700	144	608	139	254,000	978	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	2,810	1,660	62,400	656	12,500	103	620	83.0	82,300	481	NS	11,000 / NS
Xylenes (total)	µg/kg	**17,600**	**10,700**	**355,000**	3,470	**25,900**	361	2,670	553	**780,000**	3,270	4,100	42,000 / NS

Notes:
1. All PVOCs reported below laboratory detection limits in Methanol Blank sample submitted with soil samples on 11/8/02 and 11/13/02.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. "E" = Estimated result, as the final result is above the calibration range.
7. NS = no standard established
8. Exceedances: **bold** = Concentration exceeds NR 720 RCL
   box = Concentration exceeds NR 746 Table 1 value
   * = Concentration exceeds NR 746 Table 2 value
9. Additional soil was excavated from former dispenser area on 11/13/02. Shading indicates that soil samples from 11/8/02 were removed during the excavation on 11/13/02.

Table 4
Soil Quality Results - Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		MW-1		GP-1A		GP-1B		GP-1C		NR 720 RCL	NR 746 Table 1/ Table 2
Sample Depth (feet bgs):		2 - 4	10 - 12	6 - 8	10 - 12	11 - 12	12 - 14	2 - 4	12 - 14		
	Date:	3/31/03		8/17/09		8/17/09		8/17/09			
Photoionization Detector	ppm	1.5	44.9	1	424	185	682	0	83	NS	NS / NS
Gasoline Range Organics	mg/kg	<5.3	15	NA	NA	NA	NA	NA	NA	100	NS / NS
PVOCs & Detected VOCs											
Benzene	µg/kg	**33**	**36**	<29	**72**	<130	<30 "Q2"	<29	**1,800**	5.5	8,500 / 1,100
1,2-Dichloroethane	µg/kg	<26	<31	NA	NA	NA	NA	NA	NA	4.9	600 / 540
Ethylbenzene	µg/kg	62	54	<29	200	**6,600**	<30 "Q2"	<29	150	2,900	4,600 / NS
MTBE	µg/kg	<26	<31	<29	<59	<130	<30 "Q2"	<29	<30	NS	NS / NS
Toluene	µg/kg	244	79	<29	<59	270	<30 "Q2"	<29	190	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	55	198	<29	11,000	19,000	73 "Q2"	<29	4,100	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	<26	<31	<29	1,000	3,000	<30 "Q2"	<29	430	NS	11,000 / NS
Xylenes (total)	µg/kg	233	124	<99	200	**25,000**	<100 "Q2"	<98	750	4,100	42,000 / NS
n-Butylbenzene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
sec-Butylbezene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Isopropylbenzene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
p-Isopropyltoluene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Methylene Chloride	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Naphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	2,700 / NS
n-Propylbenzene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Trichloroethene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS

Notes:
1. Soil borings MW-1 through MW-5 installed by Sigma Environmental Services, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. Laboratory flags: "H" = Late eluding hydrocarbons present
   "Q2" = Non-target analyte(s) present in sample (old, weathered gasoline per lab)
7. NA = not analyzed
8. NS = no standard established
9. Exceedances: **bold** = Concentration exceeds NR 720 RCL
   box = Concentration exceeds NR 746 Table 1 value
   * = Concentration exceeds NR 746 Table 2 value (for soil only within 4 feet of the ground surface)

Table 4
Soil Quality Results - Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		MW-2		GP-2A		GP-2B		GP-2C		MW-3		NR 720 RCL	NR 746 Table 1/ Table 2
Sample Depth (feet bgs):		2 - 4	8 - 10	2 - 4	8 - 10	2 - 4	8 - 10	2 - 4	8 - 10	1 - 3	8.5 - 10.5		
	Date:	3/31/03		8/17/09		8/17/09		8/17/09		3/31/03			
Photoionization Detector	ppm	6.7	0.5	0	0	0	0	0	0	0.0	18	NS	NS / NS
Gasoline Range Organics	mg/kg	37 "H"	<5.7	NA	NA	NA	NA	NA	NA	<5.9	**120**	100	NS / NS
PVOCs & Detected VOCs													
Benzene	µg/kg	**110**	<29	<31	<31	<29	<30	<30	<29	<29	<31	5.5	8,500 / 1,100
1,2-Dichloroethane	µg/kg	<29	<29	NA	NA	NA	NA	NA	NA	<29	<31	4.9	600 / 540
Ethylbenzene	µg/kg	175	<29	<31	<31	<29	<30	<30	<29	32	<31	2,900	4,600 / NS
MTBE	µg/kg	<29	<29	<31	<31	<29	<30	<30	<29	<29	<31	NS	NS / NS
Toluene	µg/kg	818	49	<31	<31	<29	<30	<30	<29	100	63	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	199	<29	<31	<31	<29	<30	<30	<29	40	201	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	49	<29	<31	<31	<29	<30	<30	<29	<29	<31	NS	11,000 / NS
Xylenes (total)	µg/kg	759	55	<110	<100	<99	<100	<100	<97	117	73	4,100	42,000 / NS
n-Butylbenzene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
sec-Butylbezene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Isopropylbenzene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
p-Isopropyltoluene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Methylene Chloride	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Naphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	2,700 / NS
n-Propylbenzene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS
Trichloroethene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS / NS

Notes:
1. Soil borings MW-6 and MW-7 installed by Sigma Environmental Services, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. Laboratory flags: "H" = Late eluding hydrocarbons present
   "Q2" = Non-target analyte(s) present in sample (old, weathered gasoline per lab)
7. NA = not analyzed
8. NS = no standard established
9. Exceedances: **bold** = Concentration exceeds NR 720 RCL
   box = Concentration exceeds NR 746 Table 1 value
   * = Concentration exceeds NR 746 Table 2 value (for soil only within 4 feet of the ground surface)

Table 4
Soil Quality Results - Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		MW-4		MW-5		PZ-5A			MW-6			NR 746
Sample Depth (feet bgs):		2 - 4	8 - 10	4 - 6	8 - 10	3 - 5	6 - 8	10 - 12	0 - 2	12 - 14	NR 720	Table 1/
	Date:	4/1/03		4/1/03		6/4/08			9/8/03		RCL	Table 2
Photoionization Detector	ppm	24	35.6	1,037	967	1.3	166	507	3.3	2.2	NS	NS / NS
Gasoline Range Organics	mg/kg	**177**	18	**1,200**	**2,800**	NA	NA	NA	11	**146 "H"**	100	NS / NS
PVOCs & Detected VOCs												
Benzene	µg/kg	**1,770***	**38**	**16,900**	**18,200**	**230**	**720**	**11,000**	**43**	<28	5.5	8,500 / 1,100
1,2-Dichloroethane	µg/kg	<152	<28	<1,450	<1,460	<29	<57	<140	<28	<28	4.9	600 / 540
Ethylbenzene	µg/kg	2,530	36	**24,100**	**56,000**	250	990	**13,000**	188	<28	2,900	4,600 / NS
MTBE	µg/kg	<152	<28	20,500	15,800	33	140	2,100	<28	52	NS	NS / NS
Toluene	µg/kg	1,150	113	**133,000**	**219,000**	1,000	1,200	**45,000**	**1,770**	<28	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	13,900	59	55,400	158,000	1,100	11,000	22,000	453	<28	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	5,570	<28	10,600	30,400	410	2,600	6,200	210	<28	NS	11,000 / NS
Xylenes (total)	µg/kg	**29,100**	124	**133,000**	**316,000**	2,100	**6,700**	**63,000**	2,650	<39	4,100	42,000 / NS
n-Butylbenzene	µg/kg	NA	NA	NA	NA	80	1,100	1,500	NA	NA	NS	NS / NS
sec-Butylbezene	µg/kg	NA	NA	NA	NA	<29	180	690	NA	NA	NS	NS / NS
Isopropylbenzene	µg/kg	NA	NA	NA	NA	<29	120	1,100	NA	NA	NS	NS / NS
p-Isopropyltoluene	µg/kg	NA	NA	NA	NA	<29	130	200	NA	NA	NS	NS / NS
Methylene Chloride	µg/kg	NA	NA	NA	NA	<58	400	<290	NA	NA	NS	NS / NS
Naphthalene	µg/kg	NA	NA	NA	NA	470	1,200	3,100	NA	NA	NS	2,700 / NS
n-Propylbenzene	µg/kg	NA	NA	NA	NA	81	630	3,800	NA	NA	NS	NS / NS
Trichloroethene	µg/kg	NA	NA	NA	NA	120	<57	<140	NA	NA	NS	NS / NS

Notes:
1. Soil borings MW-6 and MW-7 installed by Sigma Environmental Services, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. Laboratory flags: "H" = Late eluding hydrocarbons present
   "Q2" = Non-target analyte(s) present in sample (old, weathered gasoline per lab)
7. NA = not analyzed
8. NS = no standard established
9. Exceedances: **bold** = Concentration exceeds NR 720 RCL
   box = Concentration exceeds NR 746 Table 1 value
   * = Concentration exceeds NR 746 Table 2 value (for soil only within 4 feet of the ground surface)

Table 4
Soil Quality Results - Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		MW-7			PZ-7A			GP-7A		GP-7B		GP-7C			NR 746
Sample Depth (feet bgs):		2 - 4	10 - 12	14 - 16	2 - 4	8 - 10	12 - 14	6 - 8	12 - 14	4 - 6	12 - 14	10 - 12	14 - 16	NR 720	Table 1/
	Date:	9/8/03			6/2/08			11/11/08		11/11/08		11/11/08		RCL	Table 2
Photoionization Detector	ppm	0.0	0.0	248	NA	12.3	1,123	29	248	166	245	134	575	NS	NS / NS
Gasoline Range Organics	mg/kg	<5.9	9.2	**847**	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NS / NS
PVOCs & Detected VOCs															
Benzene	µg/kg	<30	<32	<35	<25	**58**	**1,200**	**130**	**770**	**80**	**140**	<28	**2,400**	5.5	8,500 / 1,100
1,2-Dichloroethane	µg/kg	<30	<32	<35	<25	<28	<670	NA	NA	NA	NA	NA	NA	4.9	600 / 540
Ethylbenzene	µg/kg	<30	<32	<35	30	<28	**9,600**	160	1,200	1,500	**3,500**	63	**35,000**	2,900	4,600 / NS
MTBE	µg/kg	<30	<32	<35	<25	<28	<670	<29	<32	<31	<30	<28	<710	NS	NS / NS
Toluene	µg/kg	<30	<32	<35	<25	45	**1,800**	<29	260	370	740	<28	**6,200**	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	<30	<32	1,180	<25	590	130,000	480	7,000	4,500	4,000	210	150,000	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	<30	<32	64	<25	<28	8,000	390	1,600	98	410	47	35,000	NS	11,000 / NS
Xylenes (total)	µg/kg	<42	<45	<49	300	<94	**49,000**	610	<95	1,900	**4,400**	280	**150,000**	4,100	42,000 / NS
n-Butylbenzene	µg/kg	NA	NA	NA	<25	220	20,000	NA	NA	NA	NA	NA	NA	NS	NS / NS
sec-Butylbezene	µg/kg	NA	NA	NA	<25	240	14,000	NA	NA	NA	NA	NA	NA	NS	NS / NS
Isopropylbenzene	µg/kg	NA	NA	NA	<25	68	7,100	NA	NA	NA	NA	NA	NA	NS	NS / NS
p-Isopropyltoluene	µg/kg	NA	NA	NA	<25	200	15,000	NA	NA	NA	NA	NA	NA	NS	NS / NS
Methylene Chloride	µg/kg	NA	NA	NA	<50	<55	<1,300	NA	NA	NA	NA	NA	NA	NS	NS / NS
Naphthalene	µg/kg	NA	NA	NA	69	<55	3,200	NA	NA	NA	NA	NA	NA	NS	2,700 / NS
n-Propylbenzene	µg/kg	NA	NA	NA	<25	160	20,000	NA	NA	NA	NA	NA	NA	NS	NS / NS
Trichloroethene	µg/kg	NA	NA	NA	380	<28	<670	NA	NA	NA	NA	NA	NA	NS	NS / NS

Notes:
1. Soil borings MW-6 and MW-7 installed by Sigma Environmental Services, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. Laboratory flags: "H" = Late eluding hydrocarbons present
   "Q2" = Non-target analyte(s) present in sample (old, weathered gasoline per lab)
7. NA = not analyzed
8. NS = no standard established
9. Exceedances: **bold** = Concentration exceeds NR 720 RCL
   box = Concentration exceeds NR 746 Table 1 value
   * = Concentration exceeds NR 746 Table 2 value (for soil only within 4 feet of the ground surface)

Table 4
Soil Quality Results - Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		MW-8		MW-9		MW-10		MW-11		NR 720 RCL	NR 746 Table 1/ Table 2
Sample Depth (feet bgs):		10 - 12.5	15 - 17.5	2.5 - 5	15 - 17.5	0 - 2.5	2.5 - 5	0 - 2.5	2.5 - 5		
	Date:	1/10/06		1/10/06		1/10/06		6/5/08			
Photoionization Detector	ppm	5	1	0	0	0	0	0	0	NS	NS / NS
Gasoline Range Organics	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	100	NS / NS
PVOCs & Detected VOCs											
Benzene	µg/kg	<29	<28	<29	<28	**77**	**79**	<30	<28	5.5	8,500 / 1,100
1,2-Dichloroethane	µg/kg	<29	<28	<29	<28	NA	NA	<30	<28	4.9	600 / 540
Ethylbenzene	µg/kg	<29	<28	<29	<28	100	230	<30	<28	2,900	4,600 / NS
MTBE	µg/kg	<29	<28	<29	<28	<34	<31	<30	<28	NS	NS / NS
Toluene	µg/kg	<29	<28	34	64	350	280	<30	<28	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	<29	<28	<29	<28	120	220	35	<28	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	<29	<28	<29	<28	53	58	<30	<28	NS	11,000 / NS
Xylenes (total)	µg/kg	<97	<95	<100	<96	340	590	<100	<96	4,100	42,000 / NS
n-Butylbenzene	µg/kg	<29	<28	<29	<28	NA	NA	<30	<28	NS	NS / NS
sec-Butylbezene	µg/kg	<29	<28	<29	<28	NA	NA	<30	<28	NS	NS / NS
Isopropylbenzene	µg/kg	<29	<28	<29	<28	NA	NA	<30	<28	NS	NS / NS
p-Isopropyltoluene	µg/kg	<29	<28	<29	<28	NA	NA	<30	<28	NS	NS / NS
Methylene Chloride	µg/kg	<57	<56	<59	<56	NA	NA	<60	<57	NS	NS / NS
Naphthalene	µg/kg	95	<56	<59	<56	NA	NA	100	<57	NS	2,700 / NS
n-Propylbenzene	µg/kg	<29	<28	<29	<28	NA	NA	<30	<28	NS	NS / NS
Trichloroethene	µg/kg	<29	<28	<29	<28	NA	NA	<30	<28	NS	NS / NS

Notes:
1. Soil borings MW-8 through MW-10 installed by Sigma Environmental Services, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. Laboratory flags: "H" = Late eluding hydrocarbons present
   "Q2" = Non-target analyte(s) present in sample (old, weathered gasoline per lab)
7. NA = not analyzed
8. NS = no standard established
9. Exceedances: **bold** = Concentration exceeds NR 720 RCL
   box = Concentration exceeds NR 746 Table 1 value
   * = Concentration exceeds NR 746 Table 2 value (for soil only within 4 feet of the ground surface)

Table 4
Soil Quality Results - Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		MW-12			GP-12A		GP-12B			GP-12C			MW-13			NR 720 RCL	NR 746 Table 1/ Table 2
Sample Depth (feet bgs):		1 - 3	6 - 8	16 - 18	6 - 8	18 - 20	2 - 4	8 - 10	14 - 16	2 - 4	6 - 8	14 - 16	1 - 3	11 - 13	16 - 18		
	Date:	6/3/08			8/17/09		8/17/09			8/17/09			6/4/08				
Photoionization Detector	ppm	1.3	345	4.1	0	0	0	0	1	0	26	0	1.3	1.3	1.3	NS	NS / NS
Gasoline Range Organics	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NS / NS
PVOCs & Detected VOCs																	
Benzene	µg/kg	<29	**490**	<32	<29	<27	<29	**250**	**1,500**	<29	**91**	**140**	<29	<27	<29	5.5	8,500 / 1,100
1,2-Dichloroethane	µg/kg	<29	<29	<32	NA	NA	NA	NA	NA	NA	NA	NA	<29	<27	<29	4.9	600 / 540
Ethylbenzene	µg/kg	<29	**5,700**	<32	<29	<27	<29	820	140	43	2,400	35	<29	<27	<29	2,900	4,600 / NS
MTBE	µg/kg	<29	<29	<32	<29	<27	<29	<29	<36	<29	<30	<32	<29	<27	<29	NS	NS / NS
Toluene	µg/kg	<29	160	<32	<29	<27	<29	96	<36	43	<30	<32	<29	<27	<29	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	<29	1,600	<32	<29	<27	<29	570	<36	34	1,600	<32	<29	<27	<29	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	<29	630	<32	<29	<27	<29	370	<36	<29	670	<32	<29	<27	<29	NS	11,000 / NS
Xylenes (total)	µg/kg	<99	**26,000**	<110	<99	370	<98	2,300	160	350	**11,000**	<110	<98	<90	<97	4,100	42,000 / NS
n-Butylbenzene	µg/kg	<29	250	<32	NA	NA	NA	NA	NA	NA	NA	NA	<29	<27	<29	NS	NS / NS
sec-Butylbezene	µg/kg	<29	96	<32	NA	NA	NA	NA	NA	NA	NA	NA	<29	<27	<29	NS	NS / NS
Isopropylbenzene	µg/kg	<29	390	<32	NA	NA	NA	NA	NA	NA	NA	NA	<29	<27	<29	NS	NS / NS
p-Isopropyltoluene	µg/kg	<29	160	<32	NA	NA	NA	NA	NA	NA	NA	NA	<29	<27	<29	NS	NS / NS
Methylene Chloride	µg/kg	<58	<58	<65	NA	NA	NA	NA	NA	NA	NA	NA	<58	<53	<57	NS	NS / NS
Naphthalene	µg/kg	<58	940	<65	NA	NA	NA	NA	NA	NA	NA	NA	<58	<53	<57	NS	2,700 / NS
n-Propylbenzene	µg/kg	<29	380	<32	NA	NA	NA	NA	NA	NA	NA	NA	<29	<27	<29	NS	NS / NS
Trichloroethene	µg/kg	<29	<29	<32	NA	NA	NA	NA	NA	NA	NA	NA	<29	<27	<29	NS	NS / NS

Notes:
1. Soil borings MW-8 through MW-10 installed by Sigma Environmental Services, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level
5. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
6. Laboratory flags: "H" = Late eluding hydrocarbons present
   "Q2" = Non-target analyte(s) present in sample (old, weathered gasoline per lab)
7. NA = not analyzed
8. NS = no standard established
9. Exceedances: **bold** = Concentration exceeds NR 720 RCL
   box = Concentration exceeds NR 746 Table 1 value
   * = Concentration exceeds NR 746 Table 2 value (for soil only within 4 feet of the ground surface)

Table 4
Soil Quality Results - Site Investigation
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, Wisconsin
Sigma Project No. 7763

Soil Sample Location:		MeOH	MeOH	MeOH	MeOH	Trip	MeOH
Sample Depth (feet bgs):		Blank	Blank	Blank	Blank	Blank	Blank
	Date:	3/31/03	9/8/03	1/10/06	6/2/08	11/11/08	8/17/09
Photoionization Detector	ppm	---	---	---	---	---	---
Gasoline Range Organics	mg/kg	NA	<5.0	NA	NA	NA	NA
PVOCs & Detected VOCs							
Benzene	µg/kg	370	<25	<25	<25	<25	<25
1,2-Dichloroethane	µg/kg	NA	<25	<25	<25	NA	NA
Ethylbenzene	µg/kg	98	<25	<25	<25	<25	<25
MTBE	µg/kg	<130	<25	<25	<25	<25	<25
Toluene	µg/kg	740	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	µg/kg	51	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25
Xylenes (total)	µg/kg	390	<35	<85	<85	<75	<85
n-Butylbenzene	µg/kg	NA	NA	<25	<25	NA	NA
sec-Butylbezene	µg/kg	NA	NA	<25	<25	NA	NA
Isopropylbenzene	µg/kg	NA	NA	<25	<25	NA	NA
p-Isopropyltoluene	µg/kg	NA	NA	<25	<25	NA	NA
Methylene Chloride	µg/kg	NA	NA	<50	<50	NA	NA
Naphthalene	µg/kg	NA	NA	<50	<50	NA	NA
n-Propylbenzene	µg/kg	NA	NA	<25	<25	NA	NA
Trichloroethene	µg/kg	NA	NA	<25	<25	NA	NA

Notes:
1. Soil borings MW-8 through MW-10 installed by Sigma Environmental Services, Inc.
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
4. NA = not analyzed

Table 3
Groundwater Quality Results - PVOCs & Detected VOCs
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

MW-1

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
4/14/03	<0.25	<0.50	(43)	<0.25	<0.25	<0.25	<0.25	<0.50	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<1.0	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<1.0	<0.50	<0.50	<0.25	<0.50
7/8/03	[5.07]	0.705	[87.3]	<2.00	0.570	<1.00	<1.00	<2.00	1.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/29/03	(1.4)	<0.22	[73]	<0.50	0.21 "J"	0.33 "J"	<0.19	0.33	0.48 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/5/04	(3.6)	<0.50	(55)	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/19/04	[7.7]	0.29 "J"	(32)	<0.50	0.23 "J"	1.7	<0.19	1.7	0.94 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/12/06	[5.4]	<0.22	(33)	<0.50	0.26 "J"	0.25 "J"	<0.19	0.25	0.54 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/07	(2.7)	<0.50	(17)	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	0.85	<0.20	<0.20	<1.0	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	0.59 "J"	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
5/07 Dup	2.3	<0.50	17	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	0.76 "J"	<0.20	<0.20	<1.0	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	0.53 "J"	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
6/24/08	[9.1]	<0.50	8.4	<0.25	<0.50	0.31 "J"	0.23 "J"	0.64 "J"	2.7	<0.20	0.66 "J"	6.5	0.67	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	<0.20	<1.0	3.6	<0.50	<0.20	<0.20
9/25/08	0.21 "J"	<0.50	2.1	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	0.45 "J"	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	0.39 "J"	<0.20	<1.0	0.56 "J"	<0.50	<0.20	<0.20
8/17/09	0.24 "J"	<0.50	3.0	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	3.9	0.46 "J"	<0.20	<1.0	(0.35 "B,J")	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20

GP-1A (temporary well)

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
8/17/09	[270]	21	1.7 "J"	NA	3.3	380	<0.76	(380)	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GP-1B (temporary well)

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
8/17/09	(1.9)	48	<0.74	NA	<0.50	88	20	(108)	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GP-1C (temporary well)

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
8/17/09	[500]	<1.8	4.2 "J"	NA	3.0 "J"	5.2 "J"	<1.5	5.2	9.0 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-2

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
4/14/03	<0.25	<0.50	<0.50	<0.25	<0.25	<0.25	<0.25	<0.50	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<1.0	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<1.0	<0.50	<0.50	<0.25	<0.50
7/8/03	<0.500	<0.500	<0.200	<2.00	<0.500	<1.00	<1.00	<2.00	<0.500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/29/03	<0.25	<0.22	<0.23	<0.50	<0.11	<0.25	<0.19	<0.44	<0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/5/04	<0.20	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/19/04	<0.25	<0.22	<0.23	<0.50	<0.11	<0.25	<0.19	<0.44	<0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/12/06	<0.25	<0.22	<0.23	<0.50	0.16 "J"	<0.25	<0.19	<0.44	<0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/07	<0.20	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
6/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
9/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
8/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Groundwater Quality Results - PVOCs & Detected VOCs
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

MW-3

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
4/14/03	<0.25	<0.50	1.6 "J"	<0.25	<0.25	<0.25	<0.25	<0.50	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<1.0	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<1.0	<0.50	<0.50	<0.25	<0.50
7/8/03	(0.597)	<0.500	4.12	2.53	1.98	<1.00	<1.00	<2.00	0.928	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/29/03	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
2/5/04	<0.20	<0.50	<0.50	0.32 "J"	<0.20	<0.20	<0.20	<0.40	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/19/04	<0.25	<0.22	<0.23	<0.50	<0.11	<0.25	<0.19	<0.44	<0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/12/06	<0.25	<0.22	<0.23	<0.50	<0.11	<0.25	<0.19	<0.44	<0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/07	<0.20	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
6/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
9/24/08	<0.20	<0.50	1.6 "J"	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
8/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-4

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
4/14/03	[1,000]	(660)	<50	[120]	[4,600]	1,200	130	[1,330]	(3,900)	<25	<25	30	<25	<25	<100	<25	<50	<50	<50	<50	<50	67	30	<100	120	<50	<25	<50
7/8/03	[129]	(306)	<10.0	[214]	83.6	1,370	294	[1,664]	(1,470)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/03 Dup	91.0	263	<10.0	NA	67.5	1,330	514	1844	1,280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/29/03	[2,100]	[1,200]	<23	[410]	[4,300]	2,700	500	[3,200]	(6,100)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/03 Dup	2,200	1,000	<92	NA	4,600	2,400	430	2,830	5,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/5/04	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**	**FP**
5/19/04	[97]	67	5.4	(35)	64	520	120	[640]	370	<0.20	<0.20	43	<0.20	<0.20	<1.0	<0.20	1.2 "J"	8.2	1.1 "J"	<0.50	<0.50	34	51	<1.0	110	<0.50	<0.20	[1.1]
1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/12/06	[150]	15	(24)	1.2 "J"	8.4	58	1.6 "J"	59.6	22	<0.80	9.7	7.6	<0.80	<0.80	<4.0	<0.80	<2.0	2.9 "J"	<2.0	<2.0	<2.0	5.6	8.7	<4.0	13	<2.0	<0.80	<0.80
5/29/07	[43]	11	(17)	0.56 "J"	1.7	47	0.76	47.76	16	<0.20	4.6	3.8	<0.20	<0.20	<1.0	<0.20	<0.50	1.7	<0.50	<0.50	<0.50	3.7	4.1	<1.0	9.2	<0.50	<0.20	[0.21 "J"]
6/24/08	[68]	15	(13)	<0.25	1.7	17	5.4	22.4	13	<0.20	2.2	2.7	0.46 "J"	<0.20	<1.0	<0.30	<0.50	3.6	1.2 "J"	<0.50	0.61 "J"	4.0	3.1	[13]	6.7	<0.50	<0.20	[1.4]
9/25/08	[19]	8.2	<0.50	0.57 "J"	1.3 "J"	46	15	61	8.7	<0.20	4.6	3.5	<0.20	<0.20	<1.0	<0.30	<0.50	3.0	1.2 "J"	<0.50	<0.50	3.5	3.4	<1.0	11	<0.50	<0.20	<0.20
9/08 Dup	16	5.4	<0.50	<0.25	1.1 "J"	21	7.4	28.4	5.0	<0.20	1.9	2.1	<0.20	<0.20	<1.0	<0.30	<0.50	2.7	1.1 "J"	<0.50	<0.50	2.2	2.2	<1.0	5.0	<0.50	<0.20	<0.20
8/17/09	(3.2)	5.7	<0.50	0.27 "J"	<0.50	67	17	84	5.4	<0.20	10	7.0	<0.20	<0.20	<1.0	(0.49 "B,J")	<0.50	1.7	<0.50	<0.50	<0.50	4.4	7.7	<1.0	15	<0.50	<0.20	<0.20
8/09 Dup	3.0	6.3	<0.50	0.31 "J"	<0.50	82	21	103	5.9	<0.20	11	7.8	<0.20	<0.20	<1.0	0.30 "B,J"	<0.50	1.6 "J"	<0.50	<0.50	<0.50	5.1	8.4	<1.0	18	<0.50	<0.20	<0.20

* Chloroform was detected at 0.55 "J" µg/L in well MW-4 on 8/17/09, which is below NR 140 PAL of 0.6 µg/L.

MW-5

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
4/14/03	[13,000]	[2,400]	[46,000]	[330]	[43,000]	1,800	330	[2,130]	[15,000]	<100	<100	<100	<100	<100	<400	<100	<200	<200	<200	<200	<200	100	<100	<400	<200	<200	<100	<200
4/03 Dup	15,000	4,000	57,000	1,700	55,000	5,100	1,100	6,200	23,000	<120	<120	<120	<120	<120	<500	<120	<250	<250	<120	<120	<250	180	<120	<500	490	<250	<120	<250
7/8/03	[11,200]	[3,130]	[118,000]	<500	[41,100]	2,190	710	[2,900]	[18,300]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/29/03	[5,200]	[1,900]	[87,000]	[700]	[16,000]	2,100	540	[2,640]	[12,000]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/5/04	[3,900]	[1,700]	[120,000]	[420]	[13,000]	3,400	870	[4,270]	[14,000]	<10	<10	26	<10	<10	<50	<10	<25	<25	<25	<25	<25	130	<10	<50	340	<25	<10	<10
5/19/04	[25,000]	[1,700]	[120,000]	[560]	[27,000]	3,100	830	[3,930]	[13,000]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/04 Dup	21,000	1,500	120,000	NA	27,000	2,900	740	3,640	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/12/06	[3,600]	[980]	[4,900]	[240]	[7,700]	2,100	540	[2,640]	(8,800)	<50	<50	<62	<50	<50	<250	<50	<120	<120	<120	<120	<120	58 "J"	<50	<250	130 "J"	<120	<50	<50
5/29/07	[2,200]	(490)	[2,600]	[100]	(480)	790	220	[1,010]	(2,400)	<10	30 "J"	<12	<10	<10	<50	<10	<25	<25	<25	<25	<25	32 "J"	<10	<50	58 "J"	<25	<10	<10
6/24/08	[3,600]	[870]	[1,700]	[110]	(340)	880	290	[1,170]	(2,500)	<10	12 "J"	<12	<10	<10	<50	<15	<25	<25	<25	<25	<25	34	<10	<50	64 "J"	<25	<10	<10
9/25/08	[9,800]	[1,600]	[3,700]	[180]	[15,000]	1,500	220	[1,720]	[10,000]	<0.20	61	12	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	(25)	7.1	<0.50	58	8.2	<1.0	110	<0.50	[6.6]	<0.20
8/17/09	[3,700]	(590)	[1,000]	<12	[1,500]	620	79	[699]	(2,200)	<10	92	<12	<10	<10	<50	<15	<25	<25	<25	<25	<25	78	<10	<50	120	<25	<10	<10

* 4-chlorotoluene was detected at 28 µg/L in well MW-5 on 9/25/08; however, NR 140 groundwater quality standards do not exist.

Table 3
Groundwater Quality Results - PVOCs & Detected VOCs
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

PZ-5A

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
6/24/08	<0.20	<0.50	3.4	<0.25	0.54 "J"	<0.20	<0.20	<0.40	<0.50	0.24 "J"	<0.20	<0.25	<0.20	0.22 "J"	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	[0.55 "J"]
9/25/08	<0.20	<0.50	3.0	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	(0.65 "J")	<0.20
8/17/09	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	(0.32 "B,J")	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	[0.92]

MW-6

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
10/29/03	[280]	(320)	[930]	(37)	[2,200]	480	78	[558]	(1,700)	<4.0	<4.0	16	<4.0	<4.0	<20	<4.0	<10	<10	<10	<10	11	35	80	<20	61	<10	<4.0	<4.0
2/5/04	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
5/19/04	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
1/25/06	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
5/12/06	<0.20	[1,000]	[770]	[140]	[1,300]	1,600	330	[1,930]	(2,900)	<0.20	48	31	<0.20	<0.20	3.6	<0.20	3.0	7.7	4.6	1.4 "J"	0.99 "J"	69	27	<1.0	220	1.2 "J"	(2.3)	[1.3]
5/29/07	[2,600]	[730]	[1,900]	[140]	28 "J"	1,100	230	[1,330]	780	<16	<16	34 "J"	<16	<16	<80	<16	<40	<40	<40	<40	<40	63	29 "J"	[100 "L,J"]	170	<40	<16	<16
6/24/08	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
9/25/08	[2,100]	[730]	[720]	(78)	(340)	1,100	96	[1,196]	(1,100)	<10	36	30 "J"	<10	<10	<50	<15	<25	<25	<25	<25	<25	72	22 "J"	<50	190	<25	<10	<10
8/17/09	[2,000]	(580)	[580]	<6.2	12 "J"	470	40	[510]	440	<5.0	60	26	<5.0	<5.0	<25	<7.5	<12	17 "J"	<12	<12	<12	67	80	<25	150	<12	<5.0	<5.0

MW-7

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
10/29/03	[110]	14	(14)	<6.2	7.0	790	<5.0	[790]	31	<5.0	53	54	<5.0	<5.0	<25	<5.0	<12	16	<12	<12	<12	69	28	<25	130	<12	[5.2]	[10]
2/5/04	[67]	3.7	9.5	<1.2	3.9	310	1.4	(311.4)	11	<1.0	56	59	<1.0	<1.0	<5.0	<1.0	<2.5	11	<2.5	<2.5	<2.5	46	30	<5.0	93	<2.5	(3.0)	[3.0]
2/04 Dup	66	4.4	8.6	NA	3.8	310	1.4	311.4	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/19/04	[12]	5.4	0.73 "J"	1.2	3.0	170	1.8	(171.8)	8.1	<0.20	41	41	<0.20	<0.20	<1.0	<0.20	<0.50	4.6	2.4	<0.50	<0.50	26	19	<1.0	55	2.2	[6.9]	[3.4]
1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/12/06	[41]	6.8	[93]	0.92 "J"	2.3	70	0.90 "J"	70.9	2.1 "J"	<0.40	15	21	<0.40	<0.40	<2.0	<0.40	<1.0	7.1	1.3 "J"	<1.0	<1.0	19	5.7	<2.0	35	2.0 "J"	[6.0]	[2.2]
5/06 Dup	39	6.6	89	<0.50	2.1	67	<0.40	67	1.7 "J"	<0.40	14	19	<0.40	<0.40	<2.0	<0.40	<1.0	6.8	1.2 "J"	<1.0	<1.0	17	5.3	<2.0	33	1.9 "J"	5.8	1.8
5/29/07	[620]	17 "J"	[360]	<5.0	9.6 "J"	62	<4.0	62	<10	<4.0	19	28	<4.0	<4.0	<20	<4.0	<10	33 "J"	<10	<10	<10	27	7.2 "J"	<20	50	<10	<4.0	<4.0
6/24/08	[510]	17	[130]	<2.5	7.6 "J"	4.7 "J"	<2.0	4.7 "J"	<5.0	<2.0	14	23	<2.0	<2.0	<10	<3.0	<5.0	24	<5.0	<5.0	<5.0	17	4.9 "J"	<10	26	<5.0	(2.8 "J")	<2.0
9/25/08	[780]	39	[160]	<2.5	15 "J"	95	14	(109)	<5.0	<2.0	15	25	<2.0	<2.0	38	<3.0	<5.0	15 "J"	<5.0	<5.0	<5.0	30	5.9 "J"	<10	61	<5.0	<2.0	<2.0
8/17/09	[770]	42	[140]	0.92 "J"	14	90	11	(101)	2.5 "J"	<0.40	23	30	<0.40	<0.40	43	(0.74 "B,J")	<1.0	23	<1.0	<1.0	7.8	32	11	<2.0	68	<1.0	0.42 "J"	<2.0

PZ-7A

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
6/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
9/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	[0.61 "J"]
8/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Groundwater Quality Results - PVOCs & Detected VOCs
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

GP-7A (temporary well)

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
11/11/08	[120]	8.2	[170]	NA	5.3	<0.50	<0.38	<0.88	7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GP-7B (temporary well)

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
11/11/08	<29	(170)	<2.3	NA	8.6	990	73	[1,063]	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GP-7C (temporary well)

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
11/11/08	[2,400]	[2,500]	<52	NA	(260)	5,400	790	[6,190]	(6,400)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-8

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
1/25/06	<0.20	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	<0.50	(39)	1.9	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	[12]	[4.2]
5/12/06	0.37 "J"	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	<0.50	(31)	1.4 "J"	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	(3.9)	[5.0]
5/29/07	0.22 "J"	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	<0.50	(17)	0.95 "J"	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	(3.4)	[5.3]
6/24/08	0.23 "J"	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	6.2	0.60 "J"	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	[5.8]	[0.77]
9/25/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	(8.6)	0.89 "J"	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	[5.7]	[1.5]
8/17/09	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	(0.44 "B,J")	<0.50	<0.50	(9.2)	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	(3.1)	[1.7]

PZ-8A

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
6/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
9/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
8/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-9

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
1/25/06	[1,100]	(270)	[390]	(33)	12	220	33	(253)	280	<0.20	5.8 "J"	16	<0.20	<0.20	7.6	<0.20	<0.50	4.4	1.8	0.77 "J"	1.2 "J"	36	3.6	<1.0	54	<0.50	<0.20	[1.3]
1/06 Dup	1,100	270	400	30	12 "J"	230	31	261	910	<4.0	5.6 "J"	20	<4.0	<4.0	<20	<4.0	<10	<10	<10	<10	<10	38	4.2 "J"	<20	56	<10	<4.0	<4.0
5/12/06	[1,200]	(340)	[460]	(52)	16	460	86	(546)	860	<4.0	12 "J"	29	<4.0	<4.0	<20	[5.2 "J"]	<10	<10	<10	<10	<10	58	12 "J"	<20	100	<10	<4.0	<4.0
5/29/07	[1,400]	(350)	[190]	(34)	12 "J"	190	27	(217)	290	<5.0	<5.0	32	<5.0	<5.0	<25	<5.0	<12	<12	<12	<12	<12	60	11 "J"	[42 "L,J"]	110	<12	<5.0	<5.0
6/24/08	[780]	(270)	[62]	<4.0	9.0 "J"	4.6 "J"	9.3 "J"	13.9 "J"	74	<3.2	18	20	<3.2	<3.2	<16	<4.8	<8.0	9.1 "J"	<8.0	<8.0	<8.0	38	<3.2	<16	75	<8.0	<3.2	<3.2
6/08 Dup	750	280	71	0.36 "J"	10	8.2	16	24.2	85	<0.20	28	34	2.5	<0.20	10	<0.30	<0.50	9.7	<0.50	0.96 "J"	0.88 "J"	52	0.83	<1.0	100	<0.50	<0.20	<0.20
9/25/08	[720]	(340)	(55)	<4.0	<8.0	44	<3.2	44	13 "J"	<3.2	11	23	<3.2	<3.2	<16	<4.8	<8.0	<8.0	<8.0	<8.0	<8.0	48	<3.2	<16	93	<8.0	<3.2	<3.2
8/17/09	[640]	(240)	(14)	<1.2	6.4 "J"	<1.0	<1.0	<2.0	6.6 "J"	<1.0	26	26	2.0 "J"	<1.0	6.4 "J"	<1.5	<2.5	6.0 "J"	<2.5	<2.5	<2.5	42	13	<5.0	89	<2.5	<1.0	<1.0

Table 3
Groundwater Quality Results - PVOCs & Detected VOCs
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

MW-10

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
1/25/06	<0.20	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	1.8	**(0.58 "J")**	<0.20
5/12/06	<0.20	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	0.59 "J"	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	5.0	**(0.86)**	<0.20
5/29/07	<0.20	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	1.9	**(0.76)**	<0.20
6/24/08	<0.20	<0.50	<0.50	<0.25	0.78 "J"	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	0.71 "J"	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	1.8	0.49 "J"	<0.20
9/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	1.4 "J"	**(0.73)**	<0.20
8/17/09	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	**(0.31 "B,J")**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	1.2 "J"	**(0.76)**	<0.20

MW-11

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
6/24/08	<0.20	<0.50	0.97 "J"	<0.25	0.61 "J"	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
9/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
8/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-12

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
6/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
9/24/08	**(2.9)**	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
8/17/09	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	**(0.30 "B,J")**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20

Table 3
Groundwater Quality Results - PVOCs & Detected VOCs
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

MW-13

	Benzene	Ethyl-benzene	MTBE	Naph-thalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMB	Xylenes (Total)	Bromo-form	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Chlorodibromo-methane	Chloro-ethane	Chloro-methane	Dichlorodifluoro-methane	1,1-Dichloro-ethane	cis-1,2-DCE	trans-1,2-DCE	Isopropyl ether	Isopropyl-benzene	p-Isopropyl-toluene	Methylene Chloride	n-Propyl-benzene	1,1,1-TCA	TCE	Vinyl Chloride
NR 140 ES	5	700	60	100	1,000	NS	NS	480	10,000	4.4	NS	NS	NS	60	400	3	1,000	850	70	100	NS	NS	NS	5	NS	200	5	0.2
NR 140 PAL	0.5	140	12	10	200	NS	NS	96	1,000	0.44	NS	NS	NS	6	80	0.3	200	85	7	20	NS	NS	NS	0.5	NS	40	0.5	0.02
6/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
9/24/08	<0.20	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.40	<0.50	<0.20	<0.20	<0.25	<0.20	<0.20	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<1.0	<0.50	<0.50	<0.20	<0.20
8/17/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. All results reported in micrograms per liter (µg/L) - equivalent to parts per billion (ppb)
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
4. NS = no standard
5. Abbreviations:
   - MTBE = Methyl-tert-butyl-ether
   - 1,2,4-TMB = 1,2,4-Trimethylbenzene
   - 1,3,5-TMB = 1,3,5-Trimethylbenzene
   - Total TMB = Total Trimethylbenzene
   - cis-1,2-DCE = cis,1,2-Dichloroethene
   - trans-1,2-DCE = trans,1,2-Dichloroethene
   - 1,1,1-TCA = 1,1,1-Trichloroethane
   - TCE = Trichloroethene
   - **FP** = petroleum hydrocarbon Free Product detected in monitoring well; groundwater sample not collected
   - NA = Not Analyzed
6. Laboratory flags:
   - "J" = estimated concentration (reported between Limit of Detection and Limit of Quantitation)
   - "L" = compound is a common lab solvent and contaminant
   - "B" = analyte was detected in the associated Method Blank
7. Trip blank results:
   - 4/14/03 - All VOCs reported below laboratory detection limits, except methylene chloride at 1.5 µg/L (flagged as common laboratory contaminant).
   - 7/8/03 - All PVOCs reported below laboratory detection limits.
   - 10/29/03 - All PVOCs reported below laboratory detection limits.
   - 2/5/04 - All PVOCs reported below laboratory detection limits.
   - 5/19/04 - All PVOCs reported below laboratory detection limits.
   - 1/25/06 - All VOCs reported below laboratory detection limits, except benzene at 0.28 "J" µg/L and toluene at 0.40 "J" µg/L.
   - 5/12/06 - All VOCs reported below laboratory detection limits.
   - 5/29/07 - All VOCs reported below laboratory detection limits.
   - 6/24/08 - All VOCs reported below laboratory detection limits.
   - 9/24/08 - All VOCs reported below laboratory detection limits.
   - 8/17/09 - All VOCs reported below laboratory detection limits, except chloromethane at 0.48 "B,J" µg/L.
8. Equipment blank results:
   - 4/14/03 - All VOCs reported below laboratory detection limits.
   - 7/8/03 - All PVOCs reported below laboratory detection limits.
   - 10/29/03 - All PVOCs reported below laboratory detection limits.
   - 2/5/04 - All PVOCs reported below laboratory detection limits, except benzene at 0.22 "J" µg/L and toluene at 0.36 "J" µg/L.
   - 5/19/04 - All PVOCs reported below laboratory detection limits, except benzene at 0.53 "J" µg/L and toluene at 0.26 "J" µg/L.
   - 1/25/06 - All VOCs reported below laboratory detection limits, except benzene at 0.21 "J" µg/L and toluene at 0.33 "J" µg/L.
   - 5/12/06 - All VOCs reported below laboratory detection limits, except benzene at 1.4 µg/L and toluene at 0.68 µg/L.
   - 5/29/07 - All VOCs reported below laboratory detection limits, except benzene at 0.36 "J" µg/L.
   - 6/24/08 - All VOCs reported below laboratory detection limits.
   - 9/24/08 - All VOCs reported below laboratory detection limits, except cis-1,2-dichloroethene at 0.85 "J" µg/L.
   - 8/17/09 - All VOCs reported below laboratory detection limits, except chloromethane at 0.33 "B,J" µg/L.
9. Exceedances:
   - [ ] = Concentration exceeds NR 140 ES
   - ( ) = Concentration exceeds NR 140 PAL

Table 4
Groundwater *In Situ* Measurements and Geochemical Data
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

Well ID	Date	pH	Temperature (°C)	Ferrous Iron (mg/l)	Dissolved Oxygen (mg/l)	Potential (mV)	Nitrate (mg/l)	Sulfate (mg/l)	Dis. Manganese (µg/l)	Ethane (µgl)	Ethene (µg/l)	Methane (µg/l)
MW-1	4/14/03	7	10.0	0.0	0.47	NA	<5.0 "M,A"	59	660	NA	NA	NA
	7/8/03	7	10.8	0.0	0.32	77.1	NA	NA	NA	NA	NA	NA
	10/29/03	7	11.3	5.2	0.20	-39.1	<5.0 "M"	7.8	420	NA	NA	NA
	2/5/04	7	10.3	4.0	0.22	-52.6	NA	NA	NA	NA	NA	NA
	5/19/04	7	10.7	3.0	0.19	-27.1	NA	NA	NA	NA	NA	NA
	1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/06	7	12.2	4.8	0.60	-69	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	4.2	0.52	-62	<0.50	21 "J"	370	NA	NA	NA
	6/24/08	7.5	12.0	3.8	0.37	-132.3	<0.75	32	630	2.70	0.130	4,300
	9/24/08	7	12.8	4.2	0.62	-53	<0.15 "A"	40	480	1.20	0.062	1,300
	8/17/09	7	13.1	6.8	0.34	-70	NA	NA	NA	NA	NA	NA
MW-2	4/14/03	7	10.1	0.0	0.45	NA	<5.0 "M,A"	240	190	NA	NA	NA
	7/8/03	7	11.2	0.0	0.33	58.9	NA	NA	NA	NA	NA	NA
	10/29/03	7	11.5	1.2	0.21	-19.8	<5.0 "M"	61	270	NA	NA	NA
	2/5/04	7	9.9	0.8	0.22	-33.4	NA	NA	NA	NA	NA	NA
	5/19/04	7	10.2	0.0	0.30	52.9	NA	NA	NA	NA	NA	NA
	1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/06	7	10.8	0.0	4.40	114	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	0.0	2.75	128	<0.50	140	3.5 "J"	NA	NA	NA
	6/24/08	8.0	11.3	0.0	0.55	-5.4	0.85 "J"	160	13	<0.025	0.086	5.80
	9/24/08	7	11.6	0.0	3.76	123	NA	NA	NA	NA	NA	NA
	8/17/09	7	12.4	0.0	0.80	54	NA	NA	NA	NA	NA	NA
MW-3	4/14/03	7	10.0	0.0	0.22	NA	<5.0 "M,A"	700	340	NA	NA	NA
	7/8/03	7	11.4	0.0	0.29	64.6	NA	NA	NA	NA	NA	NA
	10/29/03	Dry								NA	NA	NA
	2/5/04	7	10.7	1.0	0.20	-41.8	NA	NA	NA	NA	NA	NA
	5/19/04	7	9.9	0.0	0.32	70.2	NA	NA	NA	NA	NA	NA
	1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/06	7	10.0	0.0	2.80	72	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	0.0	1.42	107	<0.50	490	160	NA	NA	NA
	6/24/08	7.7	10.7	4.2	0.44	-106.4	<0.75	380	200	<0.025	<0.025	1.40
	9/24/08	7	11.2	2.0	2.54	82	NA	NA	NA	NA	NA	NA
	8/17/09	7	13.0	1.4	0.50	47	NA	NA	NA	NA	NA	NA
MW-4	4/14/03	7	10.6	4.0	0.21	NA	<5.0 "M,A"	370	1,000	NA	NA	NA
	7/8/03	7	11.0	2.2	0.15	-162.7	NA	NA	NA	NA	NA	NA
	10/29/03	7	11.1	5.4	0.14	-198.9	<5.0 "M"	27	470	NA	NA	NA
	2/5/04	Free product								NA	NA	NA
	5/19/04	7	10.9	3.0	0.17	-93.6	NA	NA	NA	NA	NA	NA
	1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/06	7	11.2	6.0	0.33	-44	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	4.2	0.29	-13	<0.50	100	360	NA	NA	NA
	6/24/08	7.5	11.2	3.0	0.26	-129.1	<0.75	24 "J"	340	1.30	1.90	890
	9/24/08	7	11.9	4.8	0.31	-37	<0.15 "A"	22	440	0.930	0.770	1,200
	8/17/09	7	12.9	2.8	0.28	6	NA	NA	NA	NA	NA	NA
MW-5	4/14/03	7	10.5	0.0	0.20	NA	<5.0 "M,A"	16	330	NA	NA	NA
	7/8/03	7	11.4	2.6	0.18	-173.8	NA	NA	NA	NA	NA	NA
	10/29/03	7	10.5	4.6	0.19	-168.2	<5.0 "M"	7.0	210	NA	NA	NA
	2/5/04	7	9.8	4.8	0.13	-192.6	NA	NA	NA	NA	NA	NA
	5/19/04	7	10.9	5.0	0.17	-172.0	NA	NA	NA	NA	NA	NA
	1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/06	7	11.3	2.4	0.40	-94	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	3.0	0.37	-53	<5.0 "A"	98	730	NA	NA	NA
	6/24/08	7.4	11.2	2.4	0.31	-115.7	<0.75	40	620	3.0	1.70	3,400
	9/24/08	7	11.9	2.0	0.44	-88	0.46 "J,A"	<3.0	540	4.20	5.10	3,900
	8/17/09	7	13.0	4.2	0.30	-54	NA	NA	NA	NA	NA	NA
PZ-5A	6/24/08	7.9	11.7	0.0	0.39	-124.5	1.4 "J"	370	72	0.280	0.60	94.0
	9/24/08	7	10.7	0.8	0.89	39	0.36 "J,A"	260	74	0.120	0.880	34.0
	8/17/09	7	12.4	4.0	0.41	-28	NA	NA	NA	NA	NA	NA

Table 4
Groundwater *In Situ* Measurements and Geochemical Data
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

Well ID	Date	pH	Temperature (°C)	Ferrous Iron (mg/l)	Dissolved Oxygen (mg/l)	Potential (mV)	Nitrate (mg/l)	Sulfate (mg/l)	Dis. Manganese (µg/l)	Ethane (µgl)	Ethene (µg/l)	Methane (µg/l)
MW-6	10/29/03	7	11.0	1.6	0.24	7.3	<5.0 "M"	530	190	NA	NA	NA
	2/5/04	Free product								NA	NA	NA
	5/19/04	Free product								NA	NA	NA
	1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/06	7	10.0	3.8	0.15	-90	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	4.0	0.16	-108	<0.50	15 "J"	220	NA	NA	NA
	6/24/08	Free product								NA	NA	NA
	9/24/08	7	11.2	3.6	0.16	-79	0.16 "J,A"	11	350	0.810	1.20	9,200
	8/17/09	7	12.6	2.0	0.19	-101	NA	NA	NA	NA	NA	NA
MW-7	10/29/03	7	10.9	4.8	0.18	-122.7	<5.0 "M"	10	920	NA	NA	NA
	2/5/04	7	10.2	4.2	0.19	-147.3	NA	NA	NA	NA	NA	NA
	5/19/04	7	10.0	1.0	0.22	39.2	NA	NA	NA	NA	NA	NA
	1/25/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/06	7	10.7	4.8	0.89	-15	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	3.8	0.79	-90	<0.50	4.4 "J"	970	NA	NA	NA
	6/24/08	7.0	10.8	4.0	0.64	-114.1	<0.75	160	690	14.0	9.0	3,300
	9/24/08	7	12.2	2.0	0.87	-20	0.38 "J,A"	<3.0	550	74.0	4.0	8,800
	8/17/09	7.1	13.3	3.0	0.16	-112	NA	NA	NA	NA	NA	NA
PZ-7A	6/24/08	7.8	12.8	1.0	0.78	276.4	<0.75	120	96	0.120	0.160	120
	9/24/08	7	13.0	3.0	1.8	62	NA	NA	NA	NA	NA	NA
	8/17/09	7.6	12.2	1.0	0.19	-20	NA	NA	NA	NA	NA	NA
MW-8	1/25/06	7	15.1	2.4	1.83	46	NA	NA	NA	NA	NA	NA
	5/12/06	7	13.3	5.0	0.45	-13	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	4.2	0.50	-64	<0.50	220	540	NA	NA	NA
	6/24/08	7.4	13.1	0.0	0.32	-87.8	4.0	160	810	0.140	0.062	98.0
	9/24/08	7	12.1	3.0	0.40	114	<0.75 "A"	250	710	0.380	0.160	84.0
	8/17/09	7.1	12.8	4.0	0.19	-21	NA	NA	NA	NA	NA	NA
PZ-8A	6/24/08	7.7	13.1	2.0	0.46	-55.4	<0.75	210	88	0.210	0.120	230
	9/24/08	7	13.0	0.0	1.8	203	NA	NA	NA	NA	NA	NA
	8/17/09	7.7	13.0	0.0	0.25	13	NA	NA	NA	NA	NA	NA
MW-9	1/25/06	7	14.2	2.6	0.39	-56	NA	NA	NA	NA	NA	NA
	5/12/06	7	12.5	5.0	0.59	-98	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	4.8	0.60	-121	<0.50	5.4 "J"	980	NA	NA	NA
	6/24/08	7.6	12.1	4.4	0.21	-160.4	0.75 "J"	33	840	11.0	7.0	8,000
	9/24/08	7	11.8	3.2	0.65	-8	0.54 "J,A"	<3.0	820	11.0	3.40	7,700
	8/17/09	7.1	12.4	6.0	0.24	-115	NA	NA	NA	NA	NA	NA
MW-10	1/25/06	7	8.5	NA (too turbid)	6.0	117	NA	NA	NA	NA	NA	NA
	5/12/06	7	11.7	NA (too turbid)	1.4	69	NA	NA	NA	NA	NA	NA
	5/29/07	7	NA	0.0	1.26	87	<0.50	210	17	NA	NA	NA
	6/24/08	8.0	12.0	0.0	0.47	3.7	<0.75	260	14	<0.025	<0.025	1.40
	9/24/08	7	11.2	0.0	1.0	169	NA	NA	NA	NA	NA	NA
	8/17/09	7.8	16.2	0.0	0.32	50	NA	NA	NA	NA	NA	NA
MW-11	6/24/08	8.1	13.0	0.0	0.63	11.2	<0.75	30	480	0.071	0.098	190
	9/24/08	7	11.3	0.0	1.47	151	NA	NA	NA	NA	NA	NA
	8/17/09	8.1	15.6	0.0	0.49	20	NA	NA	NA	NA	NA	NA
MW-12	6/24/08	7.2	10.7	2.2	0.44	-99.6	<0.75	160	310	0.030	<0.025	270
	9/24/08	7	12.0	3.4	0.55	140	NA	NA	NA	NA	NA	NA
	8/17/09	7.4	10.9	3.0	0.67	-87	NA	NA	NA	NA	NA	NA
MW-13	6/24/08	7.9	10.6	0.0	0.39	-23.1	2.8	100	44	0.035	0.066	2.40
	9/24/08	7	11.9	0.0	0.91	236	NA	NA	NA	NA	NA	NA
	8/17/09	7.6	11.3	0.0	1.28	-3	NA	NA	NA	NA	NA	NA

Notes:
1. mg/l = milligrams per liter
2. mV = millivolts
3. °C = degrees Celcius
4. "M" = matrix interference, "A" = sample analyzed past the hold time, "J" = estimated concentration (reported between LOD and LOQ)
5. NA = not analyzed

Table 1
Static Groundwater Elevations
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

Well ID	Date	Ground Surface Elevation (feet MSL)	Casing Elevation (feet MSL)	Depth to Product (feet from toc)	Depth to Groundwater (feet from toc)	Depth to Groundwater (feet bgs)	Free Product Thickness (feet)	Groundwater Elevation (feet MSL)	Well Screen Interval (feet bgs)	Comments
MW-1	04/14/03	99.4	99.23	---	13.76	14.0	---	85.47	5 to 20	Groundwater sampling event
	07/08/03			---	13.89	14.1	---	85.34		Groundwater sampling event
	10/29/03			---	14.03	14.2	---	85.20		Groundwater sampling event
	02/05/04			---	13.94	14.1	---	85.29		Groundwater sampling event
	02/12/04			---	13.94	14.1	---	85.29		Water/FP levels
	02/19/04			---	13.91	14.1	---	85.32		Water/FP levels
	04/05/04			---	NM		---			Pilot vacuum truck pumping (prior to pumping)
	05/19/04			---	13.55	13.7	---	85.68		Groundwater sampling event
	02/14/05			---	13.54	13.7	---	85.69		Water/FP levels
	03/16/05			---	13.66	13.9	---	85.57		Vacuum truck pumping (prior to pumping)
	04/27/05			---	13.64	13.8	---	85.59		Vacuum truck pumping (prior to pumping)
	07/27/05			---	13.68	13.9	---	85.55		Vacuum truck pumping (prior to pumping)
	01/25/06	648.9	648.67	---	13.74	14.0	---	634.93		Groundwater sampling event
	05/12/06			---	13.32	13.5	---	635.35		Groundwater sampling event
	05/29/07			---	13.05	13.3	---	635.62		Groundwater sampling event
	06/24/08	648.9	648.70	---	11.45	11.7	---	637.25		Groundwater sampling event
	09/24/08			---	13.03	13.2	---	635.67		Groundwater sampling event
	08/17/09			---	13.10	13.3	---	635.60		Groundwater sampling event
MW-2	04/14/03	98.2	97.82	---	9.68	10.1	---	88.14	5 to 20	Groundwater sampling event
	07/08/03			---	11.57	12.0	---	86.25		Groundwater sampling event
	10/29/03			---	12.22	12.6	---	85.60		Groundwater sampling event
	02/05/04			---	13.56	14.0	---	84.26		Groundwater sampling event
	02/12/04			---	13.54	13.9	---	84.28		Water/FP levels
	02/19/04			---	13.60	14.0	---	84.22		Water/FP levels
	04/05/04			---	NM		---			Pilot vacuum truck pumping (prior to pumping)
	05/19/04			---	10.05	10.4	---	87.77		Groundwater sampling event
	02/14/05			---	11.00	11.4	---	86.82		Water/FP levels
	03/16/05			---	11.78	12.2	---	86.04		Vacuum truck pumping (prior to pumping)
	04/27/05			---	11.99	12.4	---	85.83		Vacuum truck pumping (prior to pumping)
	07/27/05			---	9.28	9.7	---	88.54		Vacuum truck pumping (prior to pumping)
	01/25/06	647.7	647.28	---	10.38	10.8	---	636.90		Groundwater sampling event
	05/12/06			---	10.56	11.0	---	636.72		Groundwater sampling event
	05/29/07			---	11.48	11.9	---	635.80		Groundwater sampling event
	06/24/08	647.7	647.31	---	10.56	11.0	---	636.75		Groundwater sampling event
	09/24/08			---	11.00	11.4	---	636.31		Groundwater sampling event
	08/17/09			---	11.32	11.7	---	635.99		Groundwater sampling event
MW-3	04/14/03	97.7	97.39	---	18.65	19.0	---	78.74	5 to 20	Groundwater sampling event
	07/08/03			---	19.26	19.6	---	78.13		Groundwater sampling event
	10/29/03			---	dry		---			Groundwater sampling event
	02/05/04			---	19.87	20.2	---	77.52		Groundwater sampling event
	02/12/04			---	NM		---			Water/FP levels
	02/19/04			---	NM		---			Water/FP levels
	04/05/04			---	NM		---			Pilot vacuum truck pumping (prior to pumping)
	05/19/04			---	12.15	12.5	---	85.24		Groundwater sampling event
	02/14/05			---	NM		---			Water/FP levels
	03/16/05			---	14.70	15.0	---	82.69		Vacuum truck pumping (prior to pumping)
	04/27/05			---	15.41	15.7	---	81.98		Vacuum truck pumping (prior to pumping)
	07/27/05			---	17.84	18.2	---	79.55		Vacuum truck pumping (prior to pumping)
	01/25/06	647.1	646.84	---	15.12	15.4	---	631.72		Groundwater sampling event
	05/12/06			---	13.05	13.4	---	633.79		Groundwater sampling event
	05/29/07			---	14.33	14.6	---	632.51		Groundwater sampling event
	06/24/08	647.2	646.87	---	12.26	12.6	---	634.61		Groundwater sampling event
	09/24/08			---	16.54	16.8	---	630.33		Groundwater sampling event
	08/17/09			---	16.20	16.5	---	630.67		Groundwater sampling event

Table 1
Static Groundwater Elevations
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

Well ID	Date	Ground Surface Elevation (feet MSL)	Casing Elevation (feet MSL)	Depth to Product (feet from toc)	Depth to Groundwater (feet from toc)	Depth to Groundwater (feet bgs)	Free Product Thickness (feet)	Groundwater Elevation (feet MSL)	Well Screen Interval (feet bgs)	Comments
MW-4	04/14/03	97.2	96.94	---	13.18	13.4	---	83.76	5 to 20	Groundwater sampling event
	07/08/03			---	13.11	13.4	---	83.83		Groundwater sampling event
	10/29/03			---	14.34	14.6	---	82.60		Groundwater sampling event
	02/05/04			14.18	14.76	15.0	0.58	82.62		Groundwater sampling event
	02/12/04			14.26	14.93	15.2	0.67	82.51		~0.5 gallon of FP bailed from well
	02/19/04			14.40	14.95	15.2	0.55	82.40		~0.35 gallon of FP bailed from well
	04/05/04			---	12.05	12.3	---	84.89		Pilot vacuum truck pumping (prior to pumping)
	05/19/04			---	11.80	12.1	---	85.14		Groundwater sampling event
	02/14/05			---	12.58	12.8	---	84.36		Water/FP levels
	03/16/05			12.22	12.23	12.5	0.01	84.72		Vacuum truck pumping (prior to pumping)
	04/27/05			---	12.25	12.5	---	84.69		Vacuum truck pumping (prior to pumping)
	07/27/05			---	12.17	12.4	---	84.77		Vacuum truck pumping (prior to pumping)
	01/25/06	646.7	646.42	---	12.17	12.4	---	634.25		Groundwater sampling event
	05/12/06			Slight sheen	11.20	11.4	---	635.22		Groundwater sampling event
	05/29/07			---	11.15	11.4	---	635.27		Groundwater sampling event
	06/24/08	646.7	646.45	---	9.76	10.0	---	636.69		Groundwater sampling event
	09/24/08			---	11.43	11.7	---	635.02		Groundwater sampling event
	08/17/09			---	11.51	11.8	---	634.94		Groundwater sampling event
MW-5	04/14/03	97.6	97.24	---	12.56	12.9	---	84.68	5 to 20	Groundwater sampling event
	07/08/03			---	12.29	12.6	---	84.95		Groundwater sampling event
	10/29/03			---	12.89	13.2	---	84.35		Groundwater sampling event
	02/05/04			---	12.98	13.3	---	84.26		Groundwater sampling event
	02/12/04			---	13.02	13.4	---	84.22		Water/FP levels
	02/19/04			---	13.03	13.4	---	84.21		Water/FP levels
	04/05/04			---	11.40	11.7	---	85.84		Pilot vacuum truck pumping (prior to pumping)
	05/19/04			---	10.91	11.3	---	86.33		Groundwater sampling event
	02/14/05			---	10.04	10.4	---	87.20		Water/FP levels
	03/16/05			10.94	10.95	11.3	0.01	86.30		Vacuum truck pumping (prior to pumping)
	04/27/05			---	11.30	11.6	---	85.94		Vacuum truck pumping (prior to pumping)
	07/27/05			11.39	11.40	11.7	0.01	85.85		Vacuum truck pumping (prior to pumping)
	01/25/06	647.0	646.70	---	11.25	11.5	---	635.45		Groundwater sampling event
	05/12/06			---	10.80	11.1	---	635.90		Groundwater sampling event
	05/29/07			---	11.01	11.3	---	635.69		Groundwater sampling event
	06/24/08	647.0	646.73	---	10.17	10.5	---	636.56		Groundwater sampling event
	09/24/08			---	11.08	11.4	---	635.65		Groundwater sampling event
	08/17/09			---	11.30	11.6	---	635.43		Groundwater sampling event
PZ-5A	06/24/08	647.2	646.76	---	17.54	17.9	---	629.22	30 to 35	Groundwater sampling event
	09/24/08			---	18.44	18.8	---	628.32		Groundwater sampling event
	08/17/09			---	18.04	18.4	---	628.72		Groundwater sampling event
MW-6	10/29/03	96.9	96.51	---	21.12	21.6	---	75.39	8 to 23	Groundwater sampling event
	02/05/04			20.62	20.78	21.2	0.16	75.85		Groundwater sampling event
	02/12/04			20.59	20.72	21.2	0.13	75.89		<0.1 gallon of FP bailed, Soak-Ease sock installed
	02/19/04			---	20.55	21.0	---	75.96		Soak-Ease sock flipped over
	04/05/04			---	18.46	18.9	---	78.05		Pilot vacuum truck pumping (prior to pumping)
	05/19/04			15.18	15.27	15.7	0.09	81.31		Groundwater sampling event
	02/14/05			16.98	18.32	18.8	1.34	79.20		Water/FP levels; new Soak-Ease sock installed
	03/16/05			17.27	18.23	18.7	0.96	79.00		Vacuum truck pumping (prior to pumping)
	04/27/05			17.25	17.43	17.9	0.18	79.22		Vacuum truck pumping (prior to pumping)
	07/27/05			16.32	16.35	16.8	0.03	80.18		Vacuum truck pumping (prior to pumping)
	01/25/06	646.6	646.14	16.30	16.31	16.8	0.01	629.84		Groundwater sampling event
	05/12/06			Slight sheen	13.15	13.6	---	632.99		Groundwater sampling event
	05/29/07			---	15.56	16.0	---	630.58		Groundwater sampling event
	06/24/08			14.70	14.72	15.2	0.02	631.44		Groundwater sampling event
	07/10/08	646.4	645.98	14.83	14.85	15.3	0.02	631.15		Soak-Ease sock installed
	09/24/08			---	16.15	16.6	---	629.83		Groundwater sampling event; Soak-Ease sock flipped over
	08/17/09			---	16.25	16.7	---	629.73		Groundwater sampling event; Soak-Ease sock removed

Table 1
Static Groundwater Elevations
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

Well ID	Date	Ground Surface Elevation (feet MSL)	Casing Elevation (feet MSL)	Depth to Product (feet from toc)	Depth to Groundwater (feet from toc)	Depth to Groundwater (feet bgs)	Free Product Thickness (feet)	Groundwater Elevation (feet MSL)	Well Screen Interval (feet bgs)	Comments
MW-7	10/29/03	96.9	96.50	---	13.75	14.1	---	82.75	4 to 19	Groundwater sampling event
	02/05/04			---	13.62	14.0	---	82.88		Groundwater sampling event
	02/12/04			---	13.45	13.8	---	83.05		Water/FP levels
	02/19/04			---	13.61	14.0	---	82.89		Water/FP levels
	04/05/04			---	NM		---			Pilot vacuum truck pumping (prior to pumping)
	05/19/04			---	12.17	12.5	---	84.33		Groundwater sampling event
	02/14/05			---	13.03	13.4	---	83.47		Water/FP levels
	03/16/05			---	12.93	13.3	---	83.57		Vacuum truck pumping (prior to pumping)
	04/27/05			---	12.83	13.2	---	83.67		Vacuum truck pumping (prior to pumping)
	07/27/05			---	13.00	13.4	---	83.50		Vacuum truck pumping (prior to pumping)
	01/25/06	646.5	646.15	---	13.04	13.4	---	633.11		Groundwater sampling event
	05/12/06			---	11.53	11.8	---	634.62		Groundwater sampling event
	05/29/07			---	11.64	12.0	---	634.51		Groundwater sampling event
	06/24/08	646.3	645.99	---	10.03	10.3	---	635.96		Groundwater sampling event
	09/24/08			---	12.21	12.5	---	633.78		Groundwater sampling event
	08/17/09			---	12.22	12.5	---	633.77		Groundwater sampling event
PZ-7A	06/24/08	647.0	646.71	---	17.13	17.4	---	629.58	30 to 35	Groundwater sampling event
	09/24/08			---	17.85	18.2	---	628.86		Groundwater sampling event
	08/17/09			---	17.52	17.8	---	629.19		Groundwater sampling event
MW-8	01/25/06	653.6	653.28	---	19.82	20.1	---	633.46	14.5 to 24.5	Groundwater sampling event
	05/12/06			---	18.88	19.2	---	634.40		Groundwater sampling event
	05/29/07			---	18.39	18.7	---	634.89		Groundwater sampling event
	06/24/08	653.3	653.04	---	16.04	16.3	---	637.00		Groundwater sampling event
	09/24/08			---	18.43	18.7	---	634.61		Groundwater sampling event
	08/17/09			---	18.23	18.5	---	634.81		Groundwater sampling event
PZ-8A	06/24/08	653.55	653.24	---	23.72	24.0	---	629.52	35 to 40	Groundwater sampling event
	09/24/08			---	24.53	24.8	---	628.71		Groundwater sampling event
	08/17/09			---	24.19	24.5	---	629.05		Groundwater sampling event
MW-9	01/25/06	652.9	652.43	---	20.24	20.7	---	632.19	9.5 to 24.5	Groundwater sampling event
	05/12/06			---	18.85	19.3	---	633.58		Groundwater sampling event
	05/29/07			---	18.80	19.2	---	633.63		Groundwater sampling event
	06/24/08	652.6	652.19	---	17.10	17.5	---	635.09		Groundwater sampling event
	09/24/08			---	19.19	19.6	---	633.00		Groundwater sampling event
	08/17/09			---	19.13	19.6	---	633.06		Groundwater sampling event
MW-10	01/25/06	634.7	634.38	---	2.95	3.2	---	631.43	2.5 to 12.5	Groundwater sampling event
	05/12/06			---	2.35	2.6	---	632.03		Groundwater sampling event
	05/29/07			---	2.97	3.3	---	631.41		Groundwater sampling event
	06/24/08	634.5	634.22	---	2.71	3.0	---	631.51		Groundwater sampling event
	09/24/08			---	2.76	3.0	---	631.46		Groundwater sampling event
	08/17/09			---	2.84	3.1	---	631.38		Groundwater sampling event
MW-11	06/24/08	633.23	632.90	---	1.42	1.8	---	631.48	2.5 to 12.5	Groundwater sampling event
	09/24/08			---	1.93	2.3	---	630.97		Groundwater sampling event
	08/17/09			---	2.22	2.6	---	630.68		Groundwater sampling event
MW-12	06/24/08	656.97	656.66	---	21.27	21.6	---	635.39	12 to 27	Groundwater sampling event
	09/24/08			---	25.64	26.0	---	631.02		Groundwater sampling event
	08/17/09			---	23.86	24.2	---	632.80		Groundwater sampling event

Table 1
Static Groundwater Elevations
Harley-Davidson Motor Company - 3700 W. Juneau Avenue, Milwaukee, WI
Sigma Project No. 7763

Well ID	Date	Ground Surface Elevation (feet MSL)	Casing Elevation (feet MSL)	Depth to Product (feet from toc)	Depth to Groundwater (feet from toc)	Depth to Groundwater (feet bgs)	Free Product Thickness (feet)	Groundwater Elevation (feet MSL)	Well Screen Interval (feet bgs)	Comments
MW-13	06/24/08	657.41	657.03	---	14.00	14.4	---	643.03	12 to 27	Groundwater sampling event
	09/24/08			---	16.94	17.3	---	640.09		Groundwater sampling event
	08/17/09			---	16.89	17.3	---	640.14		Groundwater sampling event

Notes:
1. Initial survey of MW-1 through MW-5 performed by Sigma Environmental Services, Inc. on April 11, 2003. Site-specific benchmark of 100.00 feet used; benchmark is top of firehydrant located 26 feet southwest of well MW-2. Survey of MW-6 and MW-7 performed by Sigma Environmental Services, Inc. on September 15, 2003.
2. Professional survey of MW-1 through MW-10 performed by Sigma Development, Inc. in January 2006.
3. Professional survey of MW-1 through MW-13, PZ-5A, PZ-7A, and PZ-8A performed by Sigma Development, Inc. in June 2008.
4. feet MSL = feet above Mean Sea Level
5. feet from toc = feet below top of casing
6. feet bgs = feet below ground surface
7. Calculated groundwater elevation when free product present assumed product density of 0.75.
8. NM = no measurement (MW-3 inaccesible on 2/12/04, 2/19/04, and 2/14/05)

RIGHT-OF-WAY

THE SIGMA GROUP
Single Source. Sound Solutions.

December 14, 2009

Project Reference #7763

Mr. Roger Biebl
Canadian Pacific Railway
501 Marquette Avenue South, Room 804
Minneapolis, MN 55402

CERTIFIED MAIL

Subject: **Notification of Contamination within Right-of-Way: Canadian Pacific Railway Corridor Adjacent to Harley-Davidson Facility at 3700 W. Juneau Avenue, Milwaukee, Wisconsin**

Dear Mr. Biebl:

On behalf of Harley-Davidson Motor Company (Harley-Davidson), Sigma Environmental Services, Inc. (Sigma) is notifying Canadian Pacific Railway of the presence of residual petroleum hydrocarbon impacts to soil and chlorinated solvent impacts to groundwater located beneath the railroad corridor. Specifically, soil borings/monitoring wells MW-10 and MW-11 are located near the southern portion of the railroad right-of-way adjacent to Harley-Davidson's property as shown in the attached maps. Wisconsin Administrative Code (WAC) Chapter NR 726.05(2)(a)4 requires the government agency responsible for maintaining a railroad right-of-way be given written notification of the presence of impacts found within the right-of-way. This letter serves as that notification.

Following is a summary of information that must be disclosed according to the Wisconsin Department of Natural Resources (WDNR):

County:	Milwaukee
Right-of-way:	Canadian Pacific Railway railroad corridor, near the intersection of vacated W. Juneau Avenue and vacated N. 40th Street
Site name:	Harley-Davidson Motor Co.
Site address:	3700 W. Juneau Avenue, Milwaukee, WI 53208
WDNR BRRTS#:	03-41-378857
Owner's name:	Harley-Davidson Motor Company (contact: Mr. Joe Marquardt)
Owner's address:	3700 W. Juneau Avenue, Milwaukee, WI 53208
Consulting firm:	Sigma Environmental Services, Inc.
Consultant contact:	Adam J. Roder, P.E.
Consultant address:	1300 West Canal Street, Milwaukee, WI 53233
Phone and fax:	(414) 643-4200 / (414) 643-4210
Email:	aroder@thesigmagroup.com

Soil contamination: Yes
Depth to contaminated soil: 0 to 3 feet below ground surface
Vertical extent of contaminated soil: 0 to 3 feet below ground surface

Groundwater contamination: Yes
Depth to water table: Approximately 2 to 3 feet below ground surface

Description of contamination: Soil impacts include seven petroleum hydrocarbon compounds as shown in **Table 1**; only benzene exceeds an NR 720 generic Residual Contaminant Level. The most recent groundwater impacts (i.e., concentrations reported above the laboratory detection limits) include three VOC compounds as shown in **Table 2**; all concentrations are reported below NR 140 Enforcement Standards.

Summary of cleanup activities: Cleanup activities included the excavation and landfill disposal of approximately 64 tons of petroleum hydrocarbon impacted soil from Harley-Davidson's property in October and November 2002; the removal of approximately 675 gallons of highly impacted groundwater/free product emulsion from several monitoring wells in 2004 and 2005; and natural attenuation groundwater monitoring. Groundwater data indicates that petroleum hydrocarbon and low-level chlorinated solvent concentrations are stable or decreasing over time. Natural attenuation of residual subsurface impacts is being proposed as an acceptable final remedial strategy for the site.

Soil quality map: Attached, see "Soil Quality Map – Exceedances Only"
Groundwater quality map: Attached, see "Groundwater Quality Map"

The WDNR will be making a final case closure determination in the coming months. As part of the closure process, Harley-Davidson's 3700 W. Juneau Avenue property will be listed in the WDNR's Geographic Information System (GIS) database for properties with residual soil and groundwater contamination at the time of case closure. Due to the off-site impacts beneath a portion of the railroad right-of-way, this portion of the railroad corridor may also be listed in the GIS Registry.

If future construction activities disturb groundwater or soil within the railroad right-of-way area as described above and depicted in the figures, or if soil or groundwater is to be otherwise extracted in the vicinity of this area, the soil or groundwater should be sampled and managed in compliance with applicable statutes and rules.

RIGHT-OF-WAY

If you have any questions or comments about this notification letter, please contact Adam Roder of Sigma at 414-643-4200, Joe Marquardt of Harley-Davidson at 414-343-4372, or the John Hnat (WDNR project manager) at 414-263-8644.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.

Adam J. Roder

Adam J. Roder, P.E..
Senior Engineer

Enclosures:

Table 1 - Soil Quality Results - Canadian Pacific Borings
Table 2 - Groundwater Quality Results - Canadian Pacific Borings
Figure 10 - Soil Quality Map - Exceedances Only
Figure 6 - Groundwater Quality Map

cc: Mr. Joe Marquardt – Harley-Davidson Motor Company (letter only)

RIGHT-OF-WAY

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Canadian Pacific RW
501 Marquette Ave South
Minneapolis, MN
55402

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Bryan Davis ☐ Agent ☐ Addressee

B. Received by (Printed Name) Bryan Davis
C. Date of Delivery 12-15

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7008 1140 0002 4517 8934

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

UNITED STATES POSTAL SERVICE
MILWAUKEE WI 530
15 DEC 2009 PM 4 T

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

The Sigma Group
1300 W. Canal Street
Milwaukee, WI 53233

H-D 7763-002 AJR 12/14/09

2669