GIS REGISTRY
Cover Sheet

May, 2009
(RR 5367)

Source Property Information

CLOSURE DATE: Oct 25, 2010

BRRTS #: **02-20-547886**

FID #:

ACTIVITY NAME: Holy Family Church Parking Lot

DATCP #:

PROPERTY ADDRESS: 180 N Main St

COMM #:

MUNICIPALITY: Fond du Lac

PARCEL ID #: FDL-15-17-10-42-256-00

***WTM COORDINATES:**

X: **644848** Y: **369057**

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

WTM COORDINATES REPRESENT:

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

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- [x] Groundwater Contamination > ES *(236)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

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

- [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:

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

  *(**note:** soil contamination concentrations between non-industrial and industrial levels)*
- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [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:

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

(●) Yes ( ) No ( ) N/A

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

GIS Registry Checklist

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 #: 02-20-547886 PARCEL ID #: FDL-15-17-10-42-256-00

ACTIVITY NAME: Holy Family Church Parking Lot WTM COORDINATES: X: 644848 Y: 369057

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

  Figure #: **Title:**
- [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 8.5 x 14 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 Diagram**
- [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 Map**
- [x] **Soil Contamination Contour Map:** For sites closing with residual soil contamination, <u>this map is to show the location of all contaminated soil and a single contour</u> showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 3 **Title: RCL Exceedances**

BRRTS #: 02-20-547886 ACTIVITY NAME: Holy Family Church Parking Lot

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 #: 4 **Title: Cross Section A-A'**

Figure #: 4A **Title: Cross Section B-B'**

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

Figure #: 5c **Title: Groundwater ES Extent**

☒ **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 #: 5 **Title: Groundwater Contour Map (4/08/2008)**

Figure #: 5A-5B **Title: Groundwater Contour Map (8/01/2008), Groundwater Contour Map (12/25/2008)**

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

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

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

Table #: 1&5 **Title: Summary of VOC..., Summary of PAH..., Soil Analytical Results**

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

Table #: 7 **Title: Groundwater Analytical Results**

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

Table #: 8 **Title: Field Data - Groundwater**

IMPROPERLY ABANDONED MONITORING WELLS

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

☒ **Not Applicable**

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

Figure #: **Title:**

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

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

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

BRRTS #: 02-20-547886 ACTIVITY NAME: Holy Family Church Parking Lot

NOTIFICATIONS

Source Property

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

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

Off-Source Property

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

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

Number of "Off-Source" Letters:

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

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

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

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

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Wisconsin Department of Natural Resources
Oshkosh Service Center
625 E CTY Y, Suite 700
Oshkosh, Wisconsin 54901
FAX 920-424-4404

October 25, 2010

Mr. Mark Lake
BRIC Associates L.P.
W228 N7454 Westmound Dr
Waukesha WI 53186

SUBJECT: Final Case Closure
Holy Family Church Parking Lot Property, 26 Follett Street, Fond du Lac, WI
WDNR BRRTS Activity #: 06-20-547928 & 02-20-547886

Dear Mr. Lake:

On February 1, 2010, the Northeast Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On March 12, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On October 22, 2010 the Department received information or documentation indicating that you have complied with the requirements for final closure. Conditions included well abandonment, waste disposal, offsite and ROW notifications and GIS listing with cap maintenance plan and compliance with the conditions of the Historic Fill Exemption at this location.

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

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wisconsin Administrative 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 the environment.

GIS Registry

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

- Residual soil/ fill contamination exists that must be properly managed should it be excavated or removed. Groundwater contamination is present above Chapter NR 140 enforcement standards.

This letter and 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 the 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.

Residual Soil Contamination

Residual soil contamination / contaminated fill remains as documented in the cap maintenance plan 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 is 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.

Residual Groundwater Contamination

Groundwater impacted by petroleum and contaminated fill greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property and off this contaminated property. Off-property owners have been notified of the presence of groundwater contamination. 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 http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Dewatering Permits

The Department's Watershed Management Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at http://www.dnr.state.wi.us/org/water/wm/ww/

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kevin McKnight at 920-424-7890.

Sincerely,

Roxanne Nelezen Chronert
Acting Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachment- Cap Maintenance Plan

cc: Case File
Andrew Mott- AECOM- via email
Michelle Williams- Reinhart- via email

PAVEMENT COVER AND LANDSCAPE BARRIER MAINTENANCE PLAN

September 3, 2009

Property Located at:
26 W Follett Street
Fond du Lac, Wisconsin 54935

WDNR BRRTS #02-20-547886

LEGAL DESCRIPTION – Attached

Introduction
This document is the Maintenance Plan for a pavement cover and building barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code (WAC). The maintenance activities relate to the existing landscape areas and paved surfaces occupying the area over the solid waste soils on-site. The contaminated soil is impacted by volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and metals. The location of the paved surfaces and landscape cap to be maintained in accordance with this Maintenance Plan, as well as the impacted soil are identified in the attached map (Exhibit A).

Cover and Building Barrier Purpose
The paved surfaces and the landscape cap over the contaminated soil serve as a partial direct contact barrier to minimize future soil-to-human contact. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection
The paved surfaces and landscape cap overlying the contaminated soil and as depicted in Exhibit A will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be sent to the Wisconsin Department of Natural Resources ("WNDR") at least annually after every inspection, unless otherwise directed in the case closure letter.

Maintenance Activities
If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling operations or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the paved surfaces and/or the building overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WNDR or its successor.

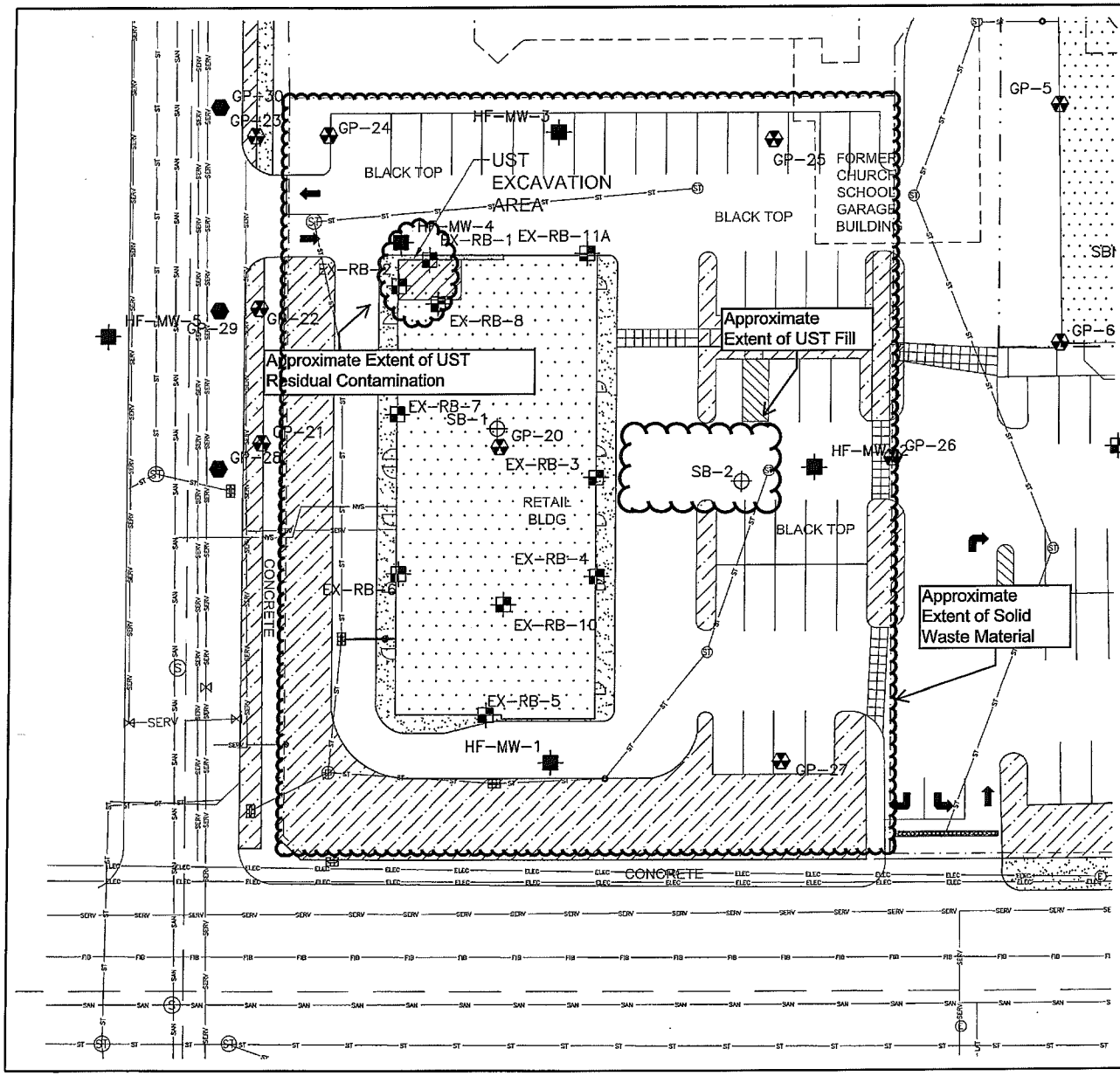
The property owner, in order to maintain the integrity of the paved surfaces and/or the landscape cap, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

Contact Information
September 2009

Site Owner and Operator:	The Redmond Company W228 N745 Westmound Drive, Waukesha, Wisconsin 53186 262-896-8721
Consultant:	Bjorn Lysne, AECOM 558 North Main Street, Oshkosh, Wisconsin 54901 920-236-6722
WDNR:	Jennifer Easterly 625 East County Road Y, Suite 700, Oshkosh, Wisconsin 54901 920-303-5427



LEGEND

- PROPERTY BOUNDARY
- FORMER MANOWSKE WELDING PROPERTY BOUNDARY
- RAZED BUILDINGS
- EXISTING WATER SERVICE
- EXISTING UNDERGROUND GAS
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING UNDERGROUND FIBER OPTIC LINE
- PHYTOREMEDIATION TRENCH
- EXTENT OF EXCAVATION AND DEPTH BELOW GROUND SURFACE
- MW-1D ARCADIS MONITORING WELL
- SB-2 ARCADIS SOIL BORING
- TANK 5-NORTH ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
- MW-13 STS MONITORING WELL LOCATION - GEORGETOWN
- HF-MW-4 STS MONITORING WELL LOCATION - HOLY FAMILY
- MW-MW-5 STS MONITORING WELL LOCATION - MANOWSKE WELDING
- GP-29 STS GEOPROBE LOCATION
- GP-8 ARCADIS GEOPROBE
- EXISTING SAN. MANHOLE
- EXISTING STRM. MANHOLE
- EXISTING TRAFFIC MANHOLE
- UNDERGROUND STORAGE TANK
- GREEN SPACE (LANDSCAPE CAP)
- BUILDING WAS EXCAVATED

AECOM
558 North Main Street
Oshkosh, Wisconsin
920.235.0270
www.sts.aecom.com
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MAINTENANCE CAP PLAN
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn:	MAS	11/19/2008
Checked:	AGM	11/19/2008
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	EXHIBIT A	

X:\Projects\200704507\DWG\C200704507-Closure.dwg; 10/19/2010 2:15:36 PM; MOTT, ANDREW; STS.stb

Exhibit B

Cap Inspection Log

Inspection Date	Inspector	Condition of Cap	Recommendations	Have Recommendations from previous inspection been implemented?

File Copy

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ron Kazmierczak, Regional Director

Oshkosh Service Center
625 E. County Road Y, Suite 700
Oshkosh, WI 54901-9731
FAX 920-424-4404
TTY 711

March 12, 2010

Mr. Mark Lake
BRIC Associates L.P.
W228 N7454 Westmound Drive
Waukesha, WI. 53186

SUBJECT: Conditional Closure for the Holy Family Church Parking Lot Property at 26 Follett Street, Fond du Lac, WI.
WDNR BRRTS #06-20-547928, 02-20-547886

Dear Mr. Lake:

On February 1, 2010, the Northeast 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 Closure Committee has determined that the petroleum contamination related to the historic UST tank on site appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

Monitoring Well Abandonment
The monitoring wells (HF-MW-1, HF-MW-2, HF-MW-3, HF-MW-4, HF-MW-5) at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Jennifer Easterly on Form 3300-005 found at http://dnr.wi.gov/org/water/dwg/gw/ or provided by the Department of Natural Resources.

Purge Water, Waste, and Soil Pile Removal
Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

Right of Way Contamination
There is residual soil contamination in a public street or highway right-of-way at this site in Macy Street. Section NR 726.05(2)(a)4, Wis. Adm. Code, requires you to provide written notification of the presence of residual soil contamination to the clerk of the town and county or municipality where the right-of-way is located and to the municipal department or state agency that maintains the right-of-way. A letter notifying the City of Fond du Lac was sent on September 30, 2009.

These notifications must include warnings that excavation of potentially contaminated soil or groundwater may pose inhalation or other direct contact hazards and will require soil and groundwater sampling and analysis, as well as proper storage, treatment, or disposal of any excavated materials, based upon the results of the analysis.

Operation and Maintenance Plan

An Operation and Maintenance Plan dated January 26, 2010 will need to be revised to include the residual soil contamination map from the UST contamination and another map of the areas with remaining solid waste left on site which is now capped. Include on this map where the contaminated UST soils were reused on site as they do exceed the residual contaminant levels (RCLs).

GIS Registry

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Groundwater contamination at MW-4 are above the Enforcement standard. Contaminated soils above standards remain at SP-SB-1, EXRB-1, EXRP-2 for direct contact and groundwater protection; and EXRB-7, EXRB-8, MW-4, GP-29, GP-22 for groundwater protection. The revised residual impacted soil map (mentioned above) for the impacted areas needs to be revised and submitted for the GIS packet. 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.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, your case will be closed.

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.

Both the Remediation and Redevelopment Program and the Waste and Materials Management Program had determined in the January 27, 2007 Department letter, that a "no further action" for the solid waste that was left on site. At that same time, the responsibility for future management of the solid waste was transferred to the Waste and Materials Management Program. Please contact the Regional Waste Program Supervisor, Len Polczinski (920-662-5170) should the solid waste be disturbed in any way in the future.

Thank you for your efforts to restore the environment. If you have any questions, please feel free to call me at 920-303-5447 or email me at jennifer.easterly@wisconsin.gov.

Sincerely,

Jennie Easterly

Jennie Easterly
Hydrogeologist
Remediation and Redevelopment Program

cc: NER Oshkosh File
Andrew Mott – STS – ecopy – andrew.mott@aecom.com
Michelle Williams – Reinhart – ecopy – mwilliams@reinhartlaw.com

State of Wisconsin
Department of Natural Resources

CERTIFICATE OF COMPLETION
OF RESPONSE ACTIONS
UNDER SECTION 292.15(2)(a), WIS. STATS.

Whereas, **BRIC Associates II, a Wisconsin Limited Partnership** has applied for an exemption from liability under s. 292.15, Wis. Stats., for the property located at 26 Follett Street, Fond du Lac, Wisconsin, which is commonly referred to as former Holy Family Church Parking Lot, hereinafter referred to as "the Property". The Property is described in Attachment A (deed description).

Whereas, an environmental investigation of the Property has been conducted and the Wisconsin Department of Natural Resources ("WDNR") has determined that contamination exists at the Property;

Whereas, **BRIC Associates II, a Wisconsin Limited Partnership** has submitted to the WDNR certain investigation reports and a remedial action plan for the Property which comply with the requirements set forth in chs. NR 700-754, Wis. Adm. Code, consisting of the documents and reports listed in Attachment B;

Whereas, in accordance with s. 292.15(2)(a)1, Wis. Stats., the WDNR has determined that an environmental investigation has been conducted which adequately identified and evaluated the nature and extent of the hazardous substance discharges on the Property. The WDNR approved of the site investigation on October 10, 2007.

Whereas, the WDNR has determined that the fill brought onto the Property in the past does not qualify as exempt under s. NR 500.08, Wis. Adm. Code. Due to the non-exempt status of the fill, any person who proposes to redevelop or construct on the Property must obtain approval from the WDNR under s. NR 506.085, Wis. Adm. Code, prior to the initiation of any redevelopment of or construction on the Property. On September 10, 2006, WDNR issued a Case by Case Exemption for Development of a Historic Fill Site,

included as Attachment D. If anyone proposes to do any future construction work on the Property, that person would also have to obtain approval for that work from the WDNR under s. NR 506.085, Wis. Adm. Code, prior to initiating any construction on the Property;

Whereas, the Property with soil contamination that exceeds site-specific and/or generic residual contaminant levels ("RCLs") under ch. NR 720, Wis. Adm. Code, and groundwater contamination that meets or exceeds a groundwater quality enforcement standard under ch. NR 140, Wis. Adm. Code, will be included on the WDNR's Geographical Information System data base ("the GIS Registry") pursuant to s. 292.12(3), Wis. Stats. **BRIC Associates II, a Wisconsin Limited Partnership** has submitted to the WDNR all the information necessary to be included on the GIS Registry pursuant to s. NR 726.05(2)(a)3. and s. NR 726.05(3)(a)4., Wis. Adm. Code;

Whereas, on October 25, 2010, the WDNR issued a case closure letter for the Property (Attachment C). The WDNR requires maintenance of a cover or barrier in order to prevent direct contact with and infiltration through residual soil contamination that might otherwise pose a threat to public health and the environment. The closure letter requires that if soil with residual contamination is excavated in the future, the Property owner at the time of excavation must manage the soil in accordance with applicable federal and state laws. The owner of this Property shall adhere to, abide by and maintain the continuing obligations and other requirements that are specified in the attached state case closure letter and cap maintenance plans;

Whereas, while residual contamination remains at the Property, the approval of the response action is based on a non-industrial land use classification, per ch. NR 720, Wis. Adm. Code. This would allow for industrial or non-industrial use of the Property, consistent with the limitations specified in the document. As a result, the response action would not need to be re-evaluated to determine if it is protective based on future land uses;

Whereas, if the requirements of this Certificate, the case closure letter or the cap maintenance plans are not followed the WDNR may take actions under ss. 292.11 or 292.12, Wis. Stats., to ensure compliance with the specified requirements, and the person who owns or controls the Property may no longer qualify for the liability protections under s. 292.15, Wis. Stats.; and

Whereas, on October 25, 2010, the WDNR determined that response actions necessary to restore the environment to the extent practicable with respect to the discharges and to minimize the harmful effects from the discharges to air, land, and waters of the state were completed, except with respect to

groundwater contaminated with benzene above the ch. NR 140, Wis. Adm. Code, groundwater quality enforcement standards that the WDNR has determined will be brought into compliance through natural attenuation, in accordance with administrative rules promulgated by the WDNR.

Therefore, based upon the information that has been submitted to the WDNR, the WDNR hereby certifies that the response actions set forth in the WDNR approved remedial action plan for the Property and any other necessary response actions have been completed in accordance with rules promulgated by WDNR.

Upon issuance of this Certificate, **BRIC Associates II, a Wisconsin Limited Partnership** and the persons qualified for protection under s. 292.15(3), Wis. Stats., are exempt from the provisions of ss. 289.05(1), (2), (3) and (4), 289.42(1), 289.67, 291.25(1) to (5), 291.29, 291.37, 292.11(3), (4), and (7)(b) and (c) and 292.31(8), Wis. Stats., with respect to the existence of hazardous substances on or originating from the Property, the release of which occurred prior to the date the WDNR approved the environmental investigation required under s. 292.15(2)(a)1., Wis. Stats. However, the person who owns or controls the Property would no longer qualify for this liability exemption if that person fails to maintain or monitor the Property as required by the conditions in this Certificate, the October 25, 2010 case closure letter, s. 292.12, Wis. Stats., and administrative rules promulgated by the WDNR. Any discharges of a hazardous substance to or from the Property that occur after the date that the environmental investigation was approved will be the responsibility of the current Property owner and any other person who possesses or controls that discharge and any person who caused the discharge.

The protection from liability provided under s. 292.15(2), Wis. Stats., does not apply to any person who has obtained a Certificate of Completion by fraud or misrepresentation, or by the knowing failure to disclose material information or under circumstances in which **BRIC Associates II, a Wisconsin Limited Partnership** knew or should have known about more discharges of hazardous substances than was revealed by the investigation approved by the WDNR.

Nothing in this Certificate or in s. 292.15, Wis. Stats., affects the authority of the WDNR to exercise any powers or duties under applicable laws other than ss. 289.05(1), (2), (3) and (4), 289.42(1), 289.67, 291.25(1) to (5), 291.29, 291.37, 292.11(3), (4), and (7)(b) and (c) and 292.31(8), Wis. Stats., with respect to any release or threatened release of contaminants at the Property, or the right of the WDNR to seek relief available against any person who is not entitled to protection from liability under s. 292.15, Wis. Stats., with respect to such release or threatened release.

SIGNED AND CERTIFIED this 20 day of December, 2010.

Mark F. Giesfeldt, Director
Remediation and Redevelopment Bureau
Wisconsin Department of Natural Resources

ATTACHMENT A
Property Deed and Description
Former Holy Family Church Parking Lot, Fond du Lac, WI

13/8

Document Number

State Bar of Wisconsin Form 2 - 2003

WARRANTY DEED

Document Name

DOC# 900612

Recorded
AUG. 17, 2007 AT 02:29PM

Patricia Knaus

PATRICIA KNAUS
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $13.00
Transfer Fee: $4,725.00

THIS DEED, made between BRIC (Johnson/Main) Associates, A Wisconsin Limited Partnership ("Grantor," whether one or more), and BRIC (Johnson/Main) Associates II, A Wisconsin Limited Partnership ("Grantee," whether one or more).

Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Fond du Lac County, State of Wisconsin ("Property") (if more space is needed, please attach addendum): The legal description of the property conveyed hereby is set forth on Exhibit A attached hereto and incorporated herein by reference.

Recording Area

Name and Return Address
Thomas E. Whipp
Mawicke & Goisman, S.C.
1509 North Prospect Avenue
Milwaukee, WI 53202

15-17-10-42-256-00
Parcel Identification Number (PIN)

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

Exceptions to warranties:
Municipal and zoning ordinances and agreements entered under them; Reciprocal Easement Agreement recorded as Document No. 879907; any and all other easements, restrictions, and covenants of record; rights of tenants; 2007 real estate taxes

Dated August 15, 2007

BRIC (Johnson/Main) Associates,
A Wisconsin Limited Partnership
By: BRIC (Johnson/Main), Inc. (SEAL)
* Its General Partner

By: (SEAL)
* Brian Cummings, President

(SEAL)
*

(SEAL)
*

AUTHENTICATION

Signature(s) _____

authenticated on _____

*

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

THIS INSTRUMENT DRAFTED BY:
Thomas E. Whipp

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
WAUKESHA COUNTY)

Personally came before me on August 15, 2007, the above-named Brian Cummings

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Thomas E. Whipp
*
Thomas E. Whipp
Notary Public, State of Wisconsin
My Commission (is permanent) ~~(expires~~: _____)

NOTARY PUBLIC THOMAS E. WHIPP STATE OF WISCONSIN

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

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

*Type name below signatures.

icke 1509 N Prospect Ave Milwaukee, WI 53202-2323 Phone: (414) 224 - 0500 Fax: (414) 224 - 9359
nas Whipp

Produced with ZipForm™ by RE FormsNet, LLC 18025 Fifteen Mile Road, Clinton Township, Michigan 48035 www.zipform.com

BRIC (Johnson-

Exhibit A

PARCEL A

Lot 3 of Certified Survey Map No. 7110, being a part of Lots Thirty-two (32), Thirty-three (33), Thirty-four (34), Thirty-five (35), Forty-eight (48) and Fifty (50); also part of Lots Thirty (30), Thirty-one (31), Thirty-six (36), Thirty-seven (37), Thirty-eight (38), Thirty-nine (39), Forty (40); part of North-South vacated alley lying between said Lots Thirty (30) to Thirty-six (36) and Lots Thirty-seven (37) and Fifty (50); part of East-West vacated alley lying between said Lots Thirty-seven (37) to Forty (40) and Lots Forty-eight (48) to Fifty (50); all in Block Twenty-five (25) of the Original Plat of the City of Fond du Lac; located in the Northeast One-quarter (1/4) of the Northeast One-quarter (1/4) and in the Southeast One-quarter (1/4) of the Northeast One-quarter (1/4), Section Ten (10), in Township Fifteen (15) North, Range Seventeen (17) East, in the City of Fond du Lac, County of Fond du Lac, State of Wisconsin, recorded in the Office of the Register of Deeds for Fond du Lac County on September 11, 2006 in Volume 51 of Certified Survey Maps on Pages 15 to 15G inclusive, as Document No. 879630.

PARCEL B

Non-exclusive easements contained in a Reciprocal Easement Agreement with covenants, conditions and restrictions recorded on September 15, 2006 as Document No. 879907.

Wisconsin Title Service, Inc
1716 Paramount Drive
P O Box 618
Waukesha, WI 53187
(262)-542-1700

First American Title Insurance Co., Inc

STATE OF WISCONSIN)
COUNTY OF ~~Fond du Lac~~ WAUKESHA)

AFFIDAVIT BY OWNER

COMMITMENT NO: 0708A0126

The undersigned owner(s), in consideration of selling the real estate described herein and in consideration of First American Title Insurance Company issuing its Policy(s) of title insurance insuring an interest in or title to the real estate described herein, and being first duly sworn on oath, deposes, states, and warrants, except as stated in Paragraph 7 below:

1. That the undersigned is an owner of real estate which is described in the above referenced commitment (hereinafter called the property");

2. That there are no encroachments of fences, buildings or other improvements to the property onto any easement or onto adjoining property, an no encroachments of any fences, buildings other improvements of adjoining premises onto the property; *except as may be shown on the survey of MSA Professional Services dated 6-28-07*

3. That there are not any unrecorded easements, party walls, agreements, or rights-of-way which affect the property;

4. * That during the last six months, no work has been done and no materials have been furnished in connection with the improvement of said property. That there are no uncompleted buildings, structures or other improvements situated thereon; *except for work done and materials furnished in connection with the construction of a retail shopping center and related improvements, all disbursements therefor having been made through Wisconsin Title Service Company, Inc.*

(STRIKE INAPPLICABLE PARAGRAPH)

* That during the last six months, work has been done and materials furnished in order to make improvements to the property, but that except as stated in Paragraph 7, all of said work and materials have been fully paid for and there are no claims or disputes in existence with reference thereto, that no notice of intent to lien has been given, and that waivers of lien from all appropriate parties are attached hereto.

5. That owner is in sole possession of the property and that no other party has possession or has right of possession under any lease or other agreement, written or oral;

6. That since the effective date of the commitment referenced above, owner has not filed bankruptcy, received notice of any pending cause of action, conveyed or encumbered the property or is currently a party to any action that could result in the filing of any judgment or lien against the property.

7. Exceptions to above statement:

*5. Tenants listed on Exhibit A have entered into leases with the undersigned, and some or all may be in possession of their respective leased premises.

OWNERS

Owner

Owner

CORPORATE OWNERS

Corporate Owner
BRIC (Johnson/Main) Associates,
By A Wisconsin Limited Partnership
By BRIC (Johnson/Main), Inc.
general partner
~~Attest:~~ By
Brian Cummings, Pres.

The foregoing instrument was acknowledged before me this _____ day of _____, by _____ and _____.
(Individuals)

The foregoing instrument was acknowledged before me this 15th of August 2007 by Brian Cummings ~~and~~ ~~is~~ who ~~are~~ the president ~~and~~ ~~respectively~~
(company name)
on behalf of the Corporation as such general partner.
(corporation or partnership)

NOTARY PUBLIC
THOMAS E. WHIPP
STATE OF WISCONSIN

Notary Public
My Commission ~~Expires~~: is permanent

(SEAL)

ATTACHMENT B
INVESTIGATION AND REMEDIAL ACTION PLAN REPORTS
Former Holy Family Church Parking Lot, Fond du Lac, WI

1. Work Plan for Soil Excavation Confirmation Activities, Holy Family Church Parking Lot, 26, Follett Street, Fond du Lac WI, ARCADIS, August 31, 2006.
2. Development at Historic Fill Site or Licensed Landfill Exemption Application. ARCADIS, September 20, 2006.
3. Site Investigation Report, Holy Family Church Parking Lot, ARCADIS, December 18, 2006.
4. Summary of soil Excavation and Disposal Activities, Former Holy Family Church Parking Lot, ARCADIS, January 23, 2007.
5. Work Plan for Site Investigation, STS Consultants, September 14, 2007.
6. Case Closure and Certificate of Completion Request, AECOM, October 12, 2009.
7. Utility Trench Plug Installation Activities, AECOM, September 29, 2010.

ATTACHMENT C
WDNR Closure Letter and Cap Maintenance Plan
Former Holy Family Church Parking Lot, Fond du Lac, WI

See attached October 25, 2010 Case Closure Letter and the Cap Maintenance Plan

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Wisconsin Department of Natural Resources
Oshkosh Service Center
625 E CTY Y, Suite 700
Oshkosh, Wisconsin 54901
FAX 920-424-4404

October 25, 2010

FILE COPY

Mr. Mark Lake
BRIC Associates L.P.
W228 N7454 Westmound Dr
Waukesha WI 53186

SUBJECT: Final Case Closure
Holy Family Church Parking Lot Property, 26 Follett Street, Fond du Lac, WI
WDNR BRRTS Activity #: 06-20-547928 & 02-20-547886

Dear Mr. Lake:

On February 1, 2010, the Northeast Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On March 12, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On October 22, 2010 the Department received information or documentation indicating that you have complied with the requirements for final closure. Conditions included well abandonment, waste disposal, offsite and ROW notifications and GIS listing with cap maintenance plan and compliance with the conditions of the Historic Fill Exemption at this location.

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

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wisconsin Administrative 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 the environment.

GIS Registry

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

- Residual soil/ fill contamination exists that must be properly managed should it be excavated or removed. Groundwater contamination is present above Chapter NR 140 enforcement standards.

This letter and 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 the 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.

Residual Soil Contamination

Residual soil contamination / contaminated fill remains as documented in the cap maintenance plan 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 is 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.

Residual Groundwater Contamination

Groundwater impacted by petroleum and contaminated fill greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property and off this contaminated property. Off-property owners have been notified of the presence of groundwater contamination. 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 http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Dewatering Permits

The Department's Watershed Management Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at http://www.dnr.state.wi.us/org/water/wm/ww/

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kevin McKnight at 920-424-7890.

Sincerely,

Roxanne Nelezen Chronert
Acting Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachment- Cap Maintenance Plan

cc: Case File
Andrew Mott- AECOM- via email
Michelle Williams- Reinhart- via email

PAVEMENT COVER AND LANDSCAPE BARRIER MAINTENANCE PLAN

September 3, 2009

Property Located at:
26 W Follett Street
Fond du Lac, Wisconsin 54935

WDNR BRRTS #02-20-547886

LEGAL DESCRIPTION – Attached

Introduction
This document is the Maintenance Plan for a pavement cover and building barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code (WAC). The maintenance activities relate to the existing landscape areas and paved surfaces occupying the area over the solid waste soils on-site. The contaminated soil is impacted by volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and metals. The location of the paved surfaces and landscape cap to be maintained in accordance with this Maintenance Plan, as well as the impacted soil are identified in the attached map (Exhibit A).

Cover and Building Barrier Purpose
The paved surfaces and the landscape cap over the contaminated soil serve as a partial direct contact barrier to minimize future soil-to-human contact. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection
The paved surfaces and landscape cap overlying the contaminated soil and as depicted in Exhibit A will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be sent to the Wisconsin Department of Natural Resources ("WNDR") at least annually after every inspection, unless otherwise directed in the case closure letter.

Maintenance Activities
If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling operations or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the paved surfaces and/or the building overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WNDR or its successor.

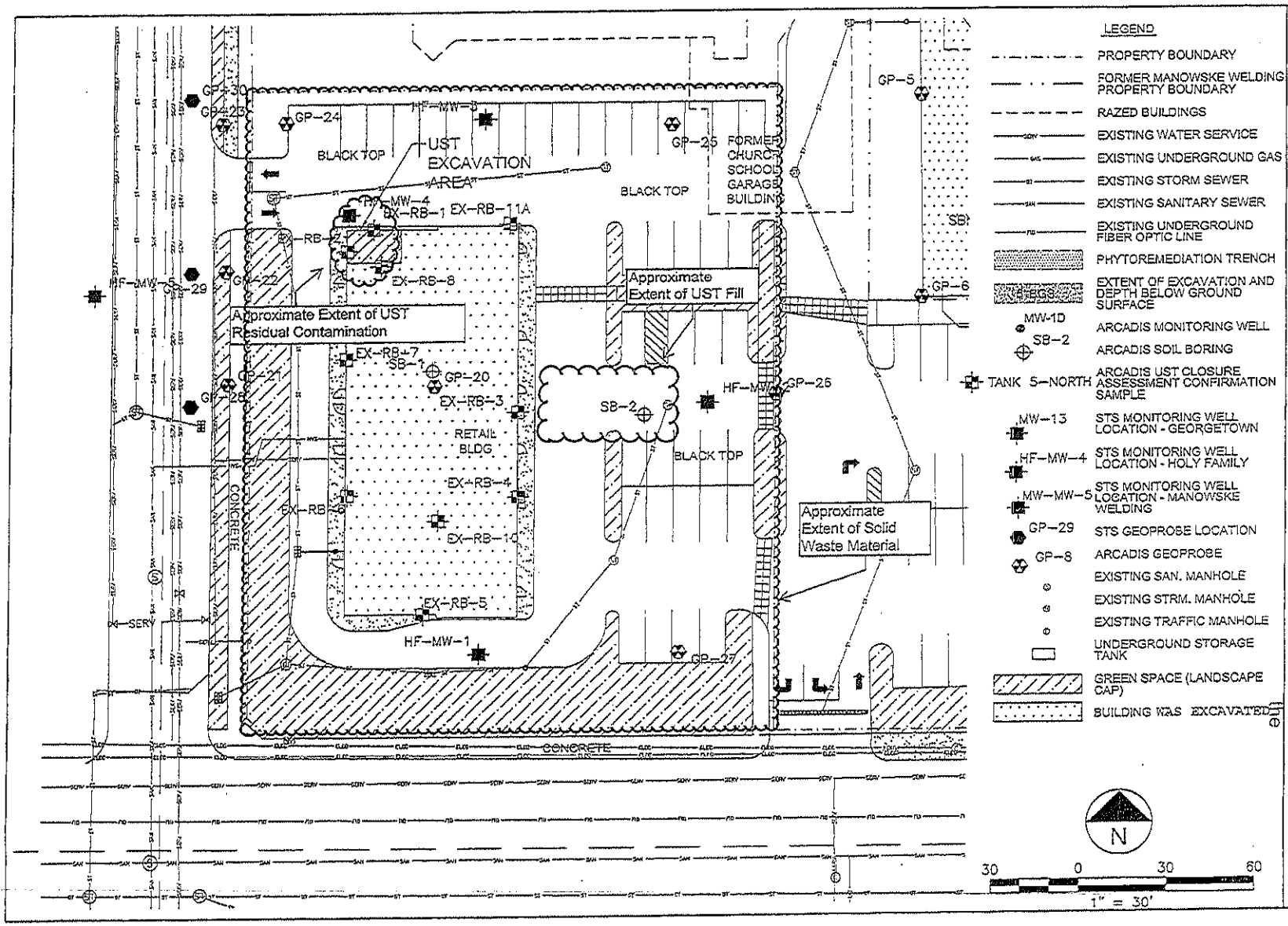
The property owner, in order to maintain the integrity of the paved surfaces and/or the landscape cap, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with written approval of WDNR.

Contact Information
September 2009

Site Owner and Operator:	The Redmond Company W228 N745 Westmound Drive, Waukesha, Wisconsin 53186 262-896-8721
Consultant:	Bjorn Lysne, AECOM 558 North Main Street, Oshkosh, Wisconsin 54901 920-236-6722
WDNR:	Jennifer Easterly 625 East County Road Y, Suite 700, Oshkosh, Wisconsin 54901 920-303-5427



LEGEND

- PROPERTY BOUNDARY
- FORMER MANOWSKE WELDING PROPERTY BOUNDARY
- RAZED BUILDINGS
- EXISTING WATER SERVICE
- EXISTING UNDERGROUND GAS
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING UNDERGROUND FIBER OPTIC LINE
- PHYTOREMEDIATION TRENCH
- EXTENT OF EXCAVATION AND DEPTH BELOW GROUND SURFACE
- MW-1D ARCADIS MONITORING WELL
- SB-2 ARCADIS SOIL BORING
- TANK 5-NORTH ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
- MW-13 STS MONITORING WELL LOCATION - GEORGETOWN
- HF-MW-4 STS MONITORING WELL LOCATION - HOLY FAMILY
- MW-MW-5 STS MONITORING WELL LOCATION - MANOWSKE WELDING
- GP-29 STS GEOPROBE LOCATION
- GP-8 ARCADIS GEOPROBE
- EXISTING SAN. MANHOLE
- EXISTING STRM. MANHOLE
- EXISTING TRAFFIC MANHOLE
- UNDERGROUND STORAGE TANK
- GREEN SPACE (LANDSCAPE CAP)
- BUILDING WAS EXCAVATED

AECOM

560 North Main Street
Oshkosh, Wisconsin
920.235.0270
www.sts.aecom.com
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MAINTENANCE CAP PLAN
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn:	MAS 11/19/2008
Checked:	ACM 11/19/2008
Approved:	
PROJECT NUMBER	200704507
FIGURE NUMBER	EXHIBIT A

Exhibit B

Cap Inspection Log

Inspection Date	Inspector	Condition of Cap	Recommendations	Have Recommendations from previous inspection been implemented?

ATTACHMENT D
Historic Fill Exemption
Former Holy Family Church Parking Lot, Fond du Lac, WI

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Oshkosh Service Center
625 E. County Rd Y, Suite 700
Oshkosh , Wisconsin 54901-9731
Telephone 920-424-3050
FAX 920-424-4404

SENT CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Date: 9/10/06

Kay Clabault
MRED Cummings
W228 N745 Westmound Drive
Waukesha, WI 53186

SUBJECT: Case by Case Exemption for the Development of a Property Where Solid Waste has been Disposed at the former Georgetown Cleaners Property, 180 N. Main Street (BRRTS # 02-20-546625); former Manowske Welding Property at 200 N. Main Street (BRRTS # 02-20-547456); and former Holy Family Church Parking lot at 26 Follett Street (BRRTS # 02-20-547886) in the City of Fond du Lac, (SW ¼, NE ¼, Sec. 10, T15N, R17E) Fond du Lac County, Wisconsin, 54935.

Dear Ms. Kay Clabault:

We have reviewed your request dated September 20, 2006, for a grant of exemption from regulation under s. NR 506.085, Wis. Adm. Code. Based on this evaluation, the Department is issuing this conditional grant of exemption from the prohibitions contained in s. NR 506.085, Wis. Adm. Code. You must comply with the conditions of this grant of exemption in order to maintain the exemption. Documentation that certain conditions have been completed shall be submitted to the Department within 30 days of completing the work. This grant of exemption is limited to the proposed changes described in your application. If you are considering additional changes beyond those described in the application, a new application must be submitted to the department for approval with a new fee.

Please review the information contained in the publication *Development at Historic Fill Sites and Licensed Landfills: Considerations and Potential Problems* PUB-RR-685 to assist you in preventing environmental or safety problems during and after development. We would like to particularly draw your attention to the public safety risk posed by the explosive potential for methane gas, which may be present on a property if decomposing solid waste is present.

You are reminded that this approval does not relieve you of obligations to meet all other applicable federal, state and local permits, as well as zoning and regulatory requirements. If you have any questions concerning this letter, please contact Jennie Easterly at 920-303-5447.

Sincerely,

Bruce Urben
NER Remediation and Redevelopment Team Supervisor
cc: Jennie Easterly – NER Oshkosh, Diane Hammel – NER – Green Bay
John Angeli – City of Fond du Lac

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

CONDITIONAL GRANT OF EXEMPTION
FOR
DEVELOPMENT ON A PROPERTY
WHERE SOLID WASTE HAS BEEN DISPOSED

FINDINGS OF FACT

The Department finds that:

1. BRIC Associates currently owns the property located at 180 North Main Street, 200 North Main Street and 26 Follett Street, Fond du Lac, 54936, Fond du Lac County, Wisconsin.

2. Solid waste has been disposed of at this property and remains at this property.

3. BRIC Associates has submitted a request dated September 20, 2006 for an exemption from the prohibition in NR 506.085, Wis. Adm. Code. The request has been submitted under the seal of a professional engineer relating to the proposed development and the environmental conditions at the property.

4. Based upon the information provided to the Department of Natural Resources ("the Department"), the proposed development at the property is not expected to cause future exceedances of applicable soil and groundwater standards. The proposed Walgreen's building and associated asphalt parking lot and the retail building and associated asphalt parking lot cover all of the solid waste on the property and should prevent any direct contact with the solid waste and reduce/eliminate surface water infiltration through the solid waste.

5. Additional documents considered in review of the exemption request include the following:
   - Email dated September 20, 2006 from James Bannantine at Arcadis to Jennifer Easterly which included the Request for Case by Case Exemption Application Form 4400-226 (signed on 9-20-2006) and summary document which included the building plans.

6. If the conditions set forth below are complied with, the development of the property will not result in environmental pollution as defined in ss. 289.01(8) and 299.01(4), Wis. Stats.

CONCLUSIONS OF LAW

1. The Department has the authority under s. NR 500.08(4), Wis. Adm. Code to issue an exemption from the prohibition in s. NR 506.085, Wis. Adm. Code, if the proposed development will not cause environmental pollution as defined in ss. 289.01(8) and 299.01(4), Wis. Stats.

2. The Department has authority to approve a grant of exemption with conditions if the conditions are necessary to ensure compliance with the applicable provisions of chapters NR 500 to 538, Wis. Adm. Code, or to assure that environmental pollution will not occur.

3. The conditions set forth below are necessary to ensure compliance with the applicable provisions of chapters NR 500 to 538, Wis. Adm. Code, and to assure that environmental pollution will not occur.

4. In accordance with the foregoing, the Department has the authority under s. NR 500.08(4), Wis. Adm. Code, to issue the following conditional grant of exemption.

CONDITIONAL GRANT OF EXEMPTION

The Department hereby issues an exemption to BRIC Associates from the prohibition in s. NR 506.085, Wis. Adm. Code for development on a property which contains solid waste as proposed in the submittal dated February 9, 2006 subject to the following conditions:

1. All excavated solid waste/contaminated soils shall be transported to a licensed landfill for proper disposal. **Documentation that this waste disposed of properly shall be submitted to the Department within 30 days of completing the work.**

2. BRIC Associates shall cover all exposed solid waste as proposed in the submitted development plan with asphalt driveway and concrete building slabs. The earthwork contractor/site owner shall provide documentation that asphalt/building foundations/synthetic lined stormwater basins cover all exposed wastes. This documentation shall be maintained and held by the property owner and shall be provided to the Department. **Photo documentation and a written document from the contractor who completed this work shall be submitted to the Department within 30 days of completing the work.**

3. A portion of this property has been used as a solid waste landfill and its use is restricted to prevent disturbing the integrity of the final cover (cap) or constructing any buildings on the property without written approval from the Department or its successor agency.

4. Water supply regulations in chs. NR811 and 812, Wis. Adm. Code, prohibit the construction of water supply wells within 1200 feet of a waste disposal facility. A special variance is required from the Drinking Water and Groundwater Program within the Department to construct a drinking water well in this 1200-foot setback area. Special well construction standards or water treatment requirements, or well construction prohibitions may apply.

5. No action related to the development of the property may be taken which will cause a significant adverse impact on wetlands as provided in ch. NR 103, Wis. Adm. Code.

6. No action related to the development of the property may be taken which will cause a significant adverse impact on critical habitat areas, as defined in s. NR 500.03(55), Wis. Adm. Code.

7. No action related to the development of the property may be taken which will cause a detrimental effect on any surface water, as defined in s. NR 500.03(62), Wis. Adm. Code.

8. No action related to the development of the property may be taken which will cause a detrimental effect on groundwater, as defined in s. NR 500.03(62), Wis. Adm. Code, or will cause or exacerbate an exceedance of any preventive action limit or enforcement standard at a point of standards application in ch. NR 140, Wis. Adm. Code.

9. No action related to the development of the property may be taken which will cause a migration and concentration of explosive gases in any structures in excess of 25% of the lower explosive limit for such gases at any time. No actions may be taken which will cause a migration and concentration of explosive gases in the soils outside of the limits of solid waste disposal within 200 feet of the property boundary or beyond the property boundary in excess of the lower explosive limit for such gases at any time. No actions may be taken which will cause a migration and concentration of explosive gases in the air outside of the limits of solid waste disposal within 200 feet of the landfill boundary or beyond the landfill property boundary in excess of the lower explosive limit for such gases at any time.

10. No action related to the development of the property may be taken which will cause an emission of any hazardous air contaminant exceeding the limitations for those substances contained in s. NR 445.03, Wis Adm. Code.

11. No action related to the development of the property may be taken which will cause an exceedance of a soil clean up standard in ch. NR 720, Wis. Adm. Code.

12. **This conditional exemption shall transfer with changes in property ownership.** In accordance with s.289.46(2), Stats., any person having or acquiring rights of ownership in land where a solid or hazardous waste disposal facility was previously operated may not undertake any activities on the land which interfere with the closed facility causing a significant threat to public health, safety or welfare. The Department should be contacted to discuss any proposed changes to avoid activities that could violate the statute or the conditions of this exemption.

13. <u>This grant of exemption is limited to the proposed changes described in your application. If you are considering additional changes beyond those described in the application, a new application must be submitted to the department for approval.</u>

The Department reserves the right to require the submittal of additional information and to modify this grant of exemption at any time, if in the Department's opinion, modifications are necessary. Unless specifically noted, the conditions of this grant of exemption do not supersede or replace any previous conditions of approval for this property.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes, administrative rules and case law establish time periods within which requests to review Department decisions must be filed.

For judicial review of a decision pursuant to section 227.52 and 227.53, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

Dated: 9/10/06

DEPARTMENT OF NATURAL RESOURCES
For the Secretary

Bruce Urben
Northeast Region – Green Bay
Remediation and Redevelopment Program

Jennie Easterly
Hydrogeologist
Northeast Region - Oshkosh
Remediation and Redevelopment Program

13/8

Document Number

State Bar of Wisconsin Form 2 - 2003

WARRANTY DEED

Document Name

DOC# 900612

Recorded
AUG. 17, 2007 AT 02:29PM

Patricia Kraus

PATRICIA KRAUS
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $13.00
Transfer Fee: $4,725.00

Recording Area

THIS DEED, made between BRIC (Johnson/Main) Associates, A Wisconsin Limited Partnership ("Grantor," whether one or more), and BRIC (Johnson/Main) Associates II, A Wisconsin Limited Partnership ("Grantee," whether one or more).

Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Fond du Lac County, State of Wisconsin ("Property") (if more space is needed, please attach addendum): The legal description of the property conveyed hereby is set forth on Exhibit A attached hereto and incorporated herein by reference.

Name and Return Address
Thomas E. Whipp
Mawicke & Goisman, S.C.
1509 North Prospect Avenue
Milwaukee, WI 53202

15-17-10-42-256-00
Parcel Identification Number (PIN)

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

Exceptions to warranties:
Municipal and zoning ordinances and agreements entered under them; Reciprocal Easement Agreement recorded as Document No. 879907; any and all other easements, restrictions, and covenants of record; rights of tenants; 2007 real estate taxes

Dated August 15, 2007

BRIC (Johnson/Main) Associates,
A Wisconsin Limited Partnership
By: BRIC (Johnson/Main), Inc. (SEAL)
Its General Partner
By: (SEAL)
Brian Cummings, President

* (SEAL)
* (SEAL)

AUTHENTICATION

Signature(s) _____

authenticated on _____

* _____

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

THIS INSTRUMENT DRAFTED BY:
Thomas E. Whipp

NOTARY PUBLIC THOMAS E. WHIPP STATE OF WISCONSIN

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
WAUKESHA COUNTY)

Personally came before me on August 15, 2007, the above-named Brian Cummings

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Thomas E. Whipp
* Thomas E. Whipp
Notary Public, State of Wisconsin
My Commission (is permanent) ~~(expires~~: _____)

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

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

*Type name below signatures.

icke 1509 N Prospect Ave Milwaukee, WI 53202-2323 Phone: (414) 224 - 0600 Fax: (414) 224 - 9359 BRIC (Johnson-
nas Whipp
Produced with ZipForm™ by RE FormsNet, LLC 18025 Fifteen Mile Road, Clinton Township, Michigan 48035 www.zipform.com

Exhibit A

PARCEL A

Lot 3 of Certified Survey Map No. 7110, being a part of Lots Thirty-two (32), Thirty-three (33), Thirty-four (34), Thirty-five (35), Forty-eight (48) and Fifty (50); also part of Lots Thirty (30), Thirty-one (31), Thirty-six (36), Thirty-seven (37), Thirty-eight (38), Thirty-nine (39), Forty (40); part of North-South vacated alley lying between said Lots Thirty (30) to Thirty-six (36) and Lots Thirty-seven (37) and Fifty (50); part of East-West vacated alley lying between said Lots Thirty-seven (37) to Forty (40) and Lots Forty-eight (48) to Fifty (50); all in Block Twenty-five (25) of the Original Plat of the City of Fond du Lac; located in the Northeast One-quarter (1/4) of the Northeast One-quarter (1/4) and in the Southeast One-quarter (1/4) of the Northeast One-quarter (1/4), Section Ten (10), in Township Fifteen (15) North, Range Seventeen (17) East, in the City of Fond du Lac, County of Fond du Lac, State of Wisconsin, recorded in the Office of the Register of Deeds for Fond du Lac County on September 11, 2006 in Volume 51 of Certified Survey Maps on Pages 15 to 15G inclusive, as Document No. 879630.

PARCEL B

Non-exclusive easements contained in a Reciprocal Easement Agreement with covenants, conditions and restrictions recorded on September 15, 2006 as Document No. 879907.

Wisconsin Title Service, Inc
1716 Paramount Drive
P O Box 618
Waukesha, WI 53187
(262)-542-1700

First American Title Insurance Co., Inc

STATE OF WISCONSIN)
COUNTY OF ~~Fond du Lac~~ WAUKESHA)

AFFIDAVIT BY OWNER

COMMITMENT NO: 0708A0126

The undersigned owner(s), in consideration of selling the real estate described herein and in consideration of First American Title Insurance Company issuing its Policy(s) of title insurance insuring an interest in or title to the real estate described herein, and being first duly sworn on oath, deposes, states, and warrants, except as stated in Paragraph 7 below:

1. That the undersigned is an owner of real estate which is described in the above referenced commitment (hereinafter called the property");

2. That there are no encroachments of fences, buildings or other improvements to the property onto any easement or onto adjoining property, an no encroachments of any fences, buildings other improvements of adjoining premises onto the property; except as may be shown on the survey of MSA Professional Services dated 6-28-07

3. That there are not any unrecorded easements, party walls, agreements, or rights-of-way which affect the property;

4. * That during the last six months, no work has been done and no materials have been furnished in connection with the improvement of said property. That there are no uncompleted buildings, structures or other improvements situated thereon; except for work done and materials furnished in connection with the construction of a retail shopping center and related improvements, all disbursements therefor having been made through Wisconsin Title Service Company, Inc.

* (STRIKE INAPPLICABLE PARAGRAPH)

* That during the last six months, work has been done and materials furnished in order to make improvements to the property, but that except as stated in Paragraph 7, all of said work and materials have been fully paid for and there are no claims or disputes in existence with reference thereto, that no notice of intent to lien has been given, and that waivers of lien from all appropriate parties are attached hereto.

5. That owner is in sole possession of the property and that no other party has possession or has right of possession under any lease or other agreement, written or oral;

6. That since the effective date of the commitment referenced above, owner has not filed bankruptcy, received notice of any pending cause of action, conveyed or encumbered the property or is currently a party to any action that could result in the filing of any judgment or lien against the property.

7. Exceptions to above statement:

*5. Tenants listed on Exhibit A have entered into leases with the undersigned, and some or all may be in possession of their respective leased premises.

OWNERS

Owner

Owner

CORPORATE OWNERS

Corporate Owner
BRIC (Johnson/Main) Associates,
By A Wisconsin Limited Partnership
By: BRIC (Johnson/Main), Inc.
general partner
~~Attest:~~ By:
Brian Cummings, Pres.

The foregoing instrument was acknowledged before me this _____ day of _____, by _____ and _____.
(Individuals)

The foregoing instrument was acknowledged before me this 15th of August 2007 by Brian Cummings ~~and~~ who ~~are~~ is the president ~~and~~ ~~respectively~~ (company name) on behalf of the Corporation as such general partner. (corporation or partnership)

NOTARY PUBLIC
THOMAS E. WHIPP
STATE OF WISCONSIN

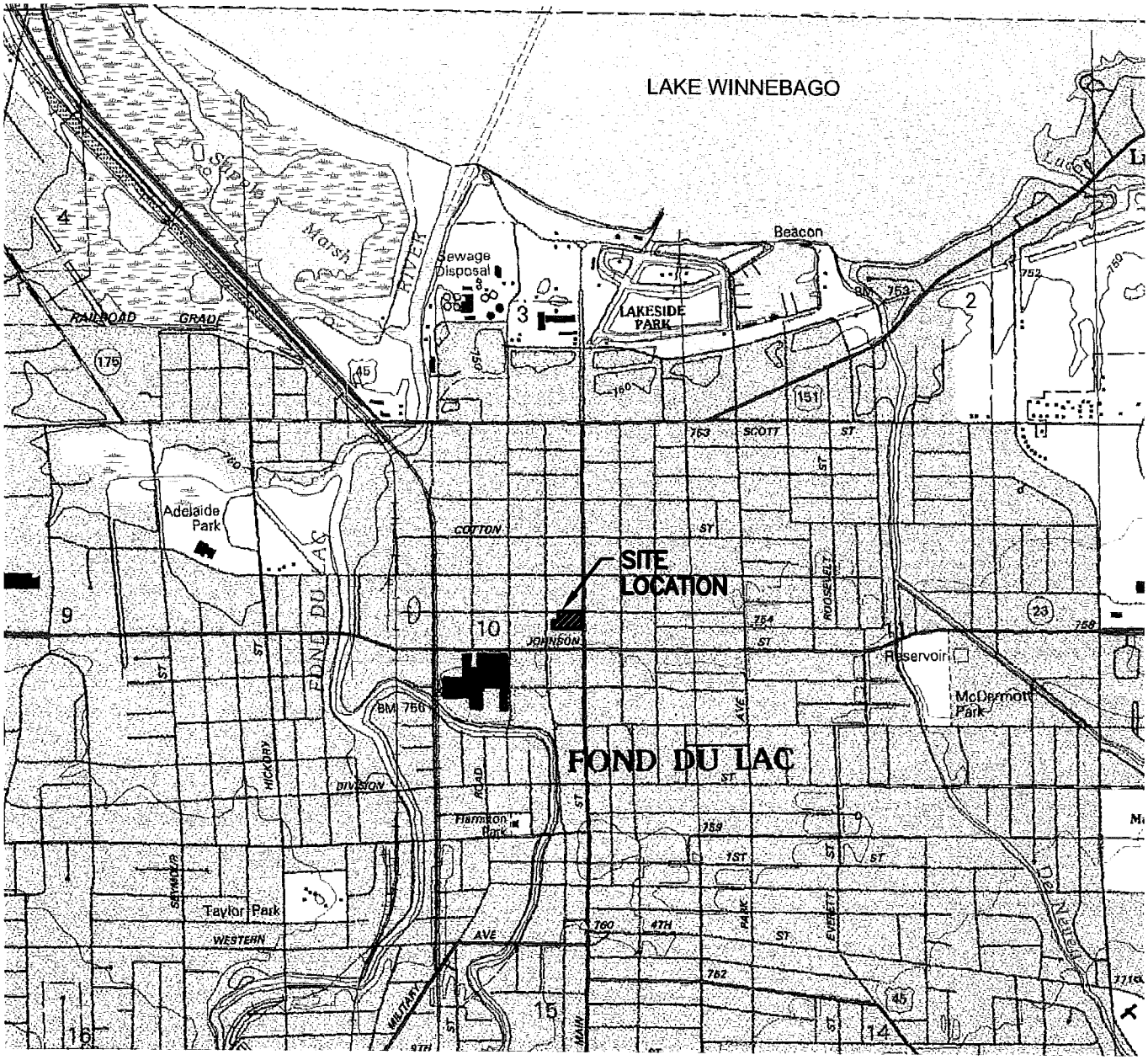
Notary Public
My Commission ~~Expires~~: is permanent

(SEAL)

I, Brian Cummings, (signed)_____, believe the legal description below accurately describes correct location of the petroleum impacted property (Former Holy Family Church Parking Lot, 26 W Follett Street, Fond du Lac, Wisconsin.

PARCEL A

Lot 3 of Certified Survey Map No. 7100, being a part of Lots Thirty-two (32), Thirty-three (33), Thirty-four (34), Thirty-five (35), Thirty-six (36), Thirty-seven (37), Thirty-eight (38), Thirty-nine (39), forty (40); part of North-South vacated alley lying between said Lots Thirty (30) to Thirty-six (36) and Lots Thirty-seven to Forty (40) and Lots Forty-eight (48) to Fifty (50); all in Block Twenty-five (25) of the Original Plat of the City of Fond du Lac; located in the Northeast One-quarter (1/4) of the Northeast One-quarter (1/4), and in the Southeast One-quarter (1/4) of the Northeast One-quarter (1/4), Section Ten (10), in Township Fifteen (15) North, Range Seventeen (17) East, in the City of Fond du Lac, County of Fond du Lac, State of Wisconsin, recorded in the Office of the Register of Deeds for Fond du Lac County on September 11, 2006 in Volume 51 of Certified Survey Maps on Pages 15 to 15g inclusive, as Document No. 879630.



SOURCE: USGS 7.5 Minute Series Topographic Map - Fond Du Lac, Wisconsin Quadrangle, Dated 1992

2000 0 2000 4000

1" = 2,000'

N

STS CONSULTANTS
558 North Main Street
Oshkosh, WI 54901
920-235-0270
www.stsconsultants.com
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SITE LOCATION DIAGRAM
HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn :	REO	8/30/2007
Checked:	BAL	8/30/2007
Approved:		
PROJECT NUMBER	200703187	
FIGURE NUMBER	1	

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LEGEND

- PROPERTY BOUNDARY
- FORMER MANOWSKE WELDING PROPERTY BOUNDARY
- RAZED BUILDINGS
- EXISTING WATER SERVICE
- EXISTING UNDERGROUND GAS
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING UNDERGROUND FIBER OPTIC LINE
- PHYTOREMEDIATION TRENCH
- 5' BGS — EXTENT OF EXCAVATION AND DEPTH BELOW GROUND SURFACE
- MW-1D — ARCADIS MONITORING WELL
- SB-2 — ARCADIS SOIL BORING
- SBM-2 — STS SOIL BORING
- TANK 5-NORTH — ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
- MW-13 — STS MONITORING WELL LOCATION - GEORGETOWN
- HF-MW-4 — STS MONITORING WELL LOCATION - HOLY FAMILY
- MW-MW-5 — STS MONITORING WELL LOCATION - MANOWSKE WELDING
- GP-29 — STS GEOPROBE LOCATION
- GP-6 — ARCADIS GEOPROBE
- EXISTING SAN. MANHOLE
- EXISTING STRM. MANHOLE
- EXISTING TRAFFIC MANHOLE
- UNDERGROUND STORAGE TANK
- PAVEMENT (ASPHALT CAP)
- GREEN SPACE (LANDSCAPE CAP)
- BUILDING

N

30 0 30 60

1" = 30'

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Oshkosh, Wisconsin
920.235.0270
www.sts.aecom.com
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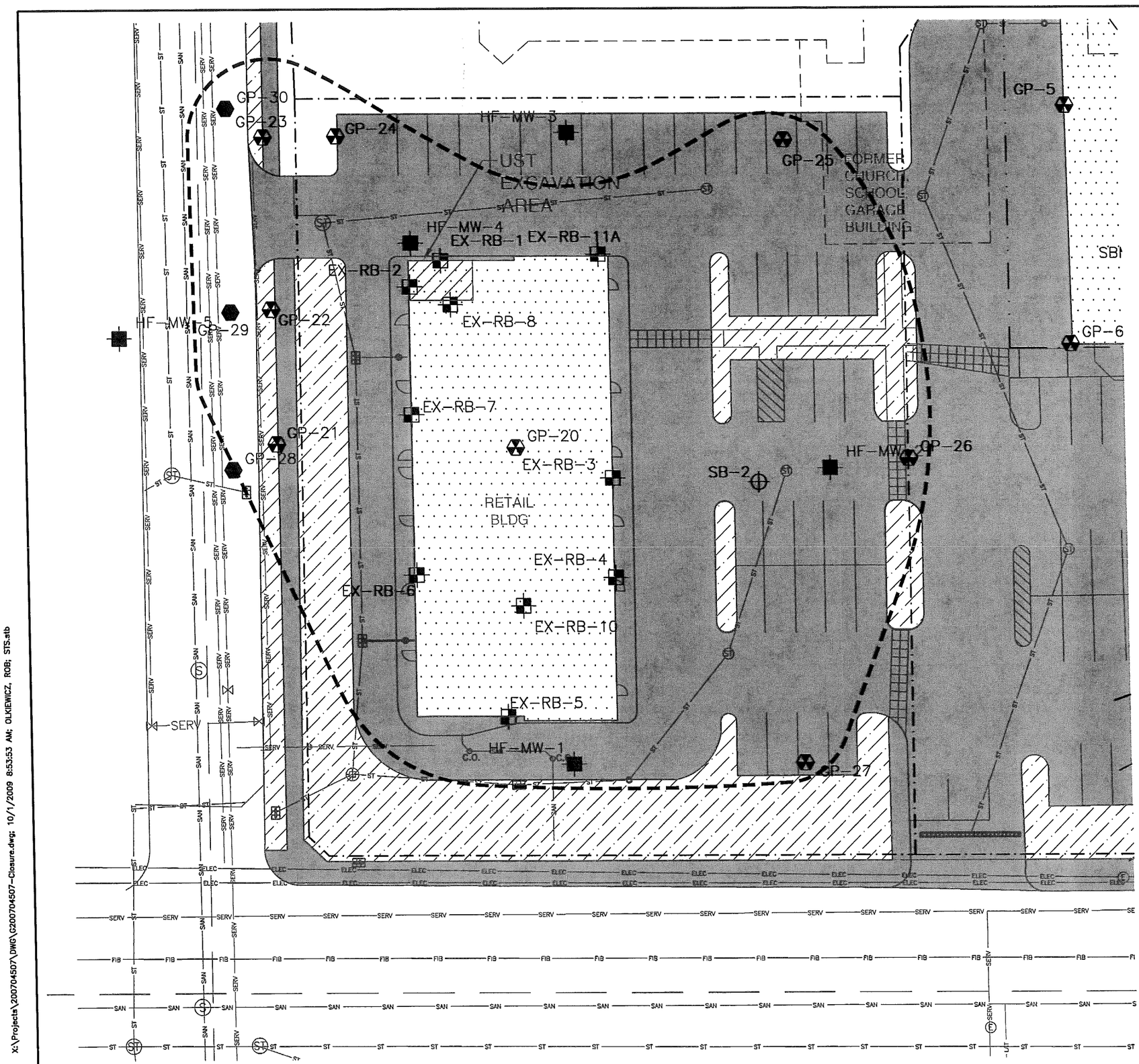
SITE MAP
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn:	MAS	11/19/2008
Checked:	AGM	11/19/2008
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	2	

X:\Projects\200704507\DWG\G200704507-Closure.dwg; 9/1/2009 12:05:13 PM; MOTT, ANDREW G.; STS.stb



LEGEND

	PROPERTY BOUNDARY
	FORMER MANOWSKE WELDING PROPERTY BOUNDARY
	RAZED BUILDINGS
SERV	EXISTING WATER SERVICE
GAS	EXISTING UNDERGROUND GAS
ST	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
FIB	EXISTING UNDERGROUND FIBER OPTIC LINE
MW-1D	ARCADIS MONITORING WELL
SB-2	ARCADIS SOIL BORING
SBM-2	STS SOIL BORING
TANK 5-NORTH	ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
MW-13	STS MONITORING WELL LOCATION - GEORGETOWN
HF-MW-4	STS MONITORING WELL LOCATION - HOLY FAMILY
MW-MW-5	STS MONITORING WELL LOCATION - MANOWSKE WELDING
GP-29	STS GEOPROBE LOCATION
GP-8	ARCADIS GEOPROBE
	EXISTING SAN. MANHOLE
	EXISTING STRM. MANHOLE
	EXISTING TRAFFIC MANHOLE
	UNDERGROUND STORAGE TANK
	PAVEMENT (ASPHALT CAP)
	GREEN SPACE (LANDSCAPE CAP)
	BUILDING
	EXTENT OF RCL EXCEEDENCES

N

30 0 30 60

1" = 30'

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RCL EXCEEDANCES
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

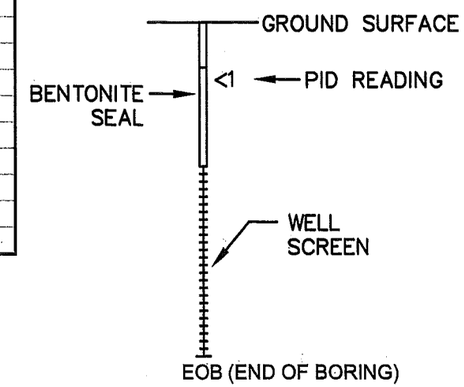
Drawn :	REO	9/30/2009
Checked:	AGM	9/30/2009
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	3	

x:\Projects\200704507\DWG\C200704507-Closure.dwg; 10/1/2009 8:53:53 AM; OLKIEWICZ, ROB; STS.stb

Notes:
VOCs = Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
[1] Standards are for 1,2,4- and 1,3,5-Trimethylbenzene combined.
[A] Parameter exceeds NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds NR 746 Table 1 Soil Screening Levels
[E] Generic RCL is established under NR 720 or NR 746
[F] Generic RCLs provided in *Soil Cleanup Levels for PAHs Interim Guidance*, WDNR RR-5 1997
-- No Generic RCL established.
Generic RCLs not included in Wisconsin Administrative Code or Guidance are calculated from the US EPA Soil Screening Level Web Page and the default values contained in *Determining Residual Contaminant Levels using the EPA Soil Screening Level Web Site* WDNR PUB-RR-682 on May 12, 2006

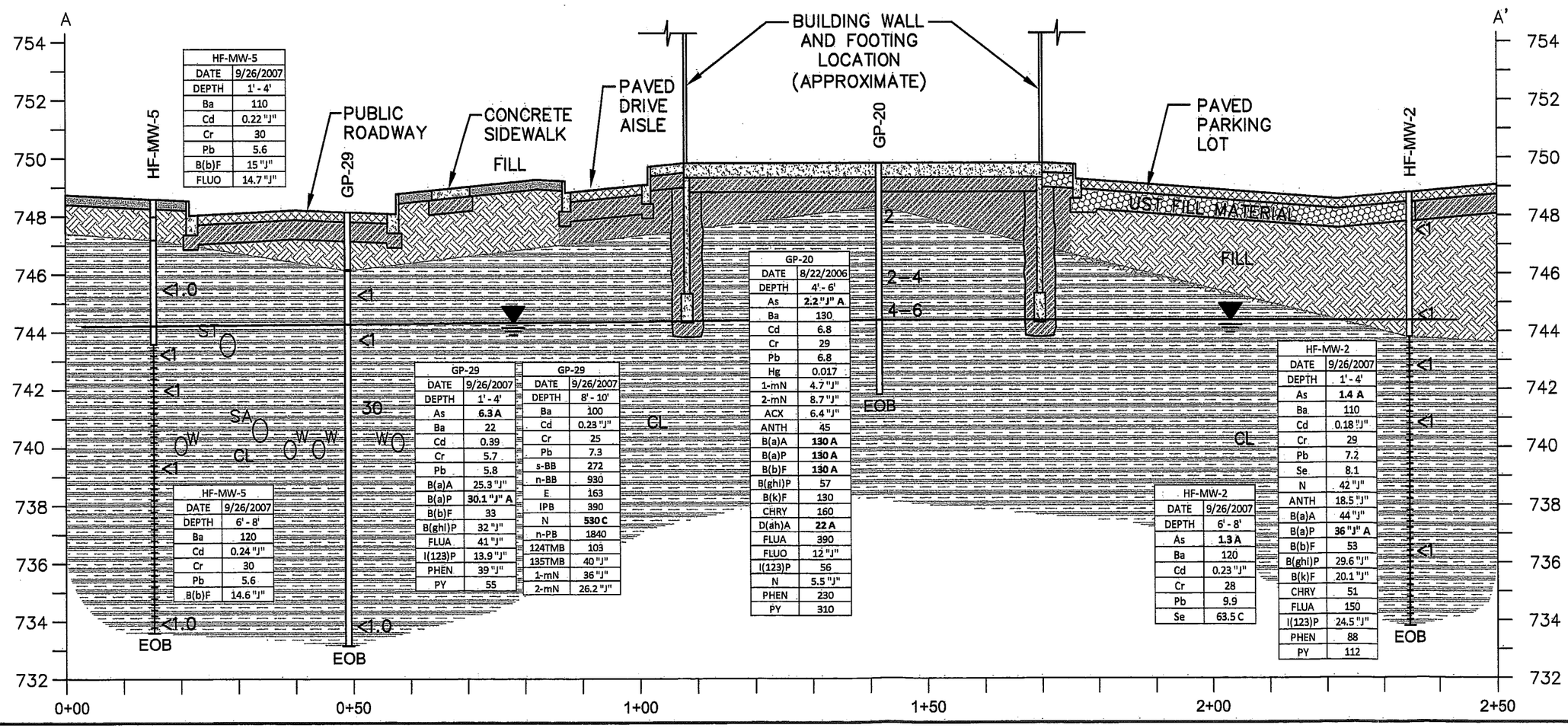
As: Arsenic	CHRY: Chrysene	n-PB: n-Propylbenzene
Ba: Barium	D(ah)A: Dibenzo(a,h)anthracene	124TMB: 1,2,4-Trimethylbenzene
Cd: Cadmium	FLUA: Fluroanthene	135TMB: 1,3,5-Trimethylbenzene
Cr: Chromium	I(123)P: Indeno(1,2,3-cd)pyrene	X: Total Xylenes
Pb: Lead	PHEN: Phenanethrene	FLUO: Fluorene
Se: Selenium	PY: Pyrene	1-mN: 1-Methylnaphthalene
Ag: Silver	N: Naphthalene	2-mN: 2-Methylnaphthalene
Hg: Mercury	ANTH: Anthracene	ACX: Acenaphthene
B(a)A: Benzo(a)anthracene	B: Benzene	
B(a)P: Benzo(a)pyrene	s-BB: Sec-Butylbenzene	
B(b)F: Benzo(b)flouranthene	n-BB: N-Butylbenzene	
B(ghi)P: Benzo(ghi)perylene	E: Ethylbenzene	
B(k)F: Benzo(k)flouranthene	IPB: Isopropylbenzene	

WELL CONSTRUCTION



LEGEND

TOPSOIL
STRUCTURAL FILL
ASPHALT PAVEMENT
MISCELLANEOUS FILL
CONCRETE PAVEMENT
SILTY CLAY (OL) TRACE FINE GRAVEL
UST FILL MATERIAL
APRIL 8, 2008 – WATER LEVEL
W ST SAN EXISTING WATER, STORM, OR SANITARY UTLITIES



HF-MW-5	
DATE	9/26/2007
DEPTH	1' - 4'
Ba	110
Cd	0.22 "J"
Cr	30
Pb	5.6
B(b)F	15 "J"
FLUO	14.7 "J"

HF-MW-5	
DATE	9/26/2007
DEPTH	6' - 8'
Ba	120
Cd	0.24 "J"
Cr	30
Pb	5.6
B(b)F	14.6 "J"

GP-29	
DATE	9/26/2007
DEPTH	1' - 4'
As	**6.3 A**
Ba	22
Cd	0.39
Cr	5.7
Pb	5.8
B(a)A	25.3 "J"
B(a)P	**30.1 "J" A**
B(b)F	33
B(ghi)P	32 "J"
FLUA	41 "J"
I(123)P	13.9 "J"
PHEN	39 "J"
PY	55

GP-29	
DATE	9/26/2007
DEPTH	8' - 10'
Ba	100
Cd	0.23 "J"
Cr	25
Pb	7.3
s-BB	272
n-BB	930
E	163
IPB	390
N	**530 C**
n-PB	1840
124TMB	103
135TMB	40 "J"
1-mN	36 "J"
2-mN	26.2 "J"

GP-20	
DATE	8/22/2006
DEPTH	4' - 6'
As	**2.2 "J" A**
Ba	130
Cd	6.8
Cr	29
Pb	6.8
Hg	0.017
1-mN	4.7 "J"
2-mN	8.7 "J"
ACX	6.4 "J"
ANTH	45
B(a)A	**130 A**
B(a)P	**130 A**
B(b)F	**130 A**
B(ghi)P	57
B(k)F	130
CHRY	160
D(ah)A	**22 A**
FLUA	390
FLUO	12 "J"
I(123)P	56
N	5.5 "J"
PHEN	230
PY	310

HF-MW-2	
DATE	9/26/2007
DEPTH	6' - 8'
As	**1.3 A**
Ba	120
Cd	0.23 "J"
Cr	28
Pb	9.9
Se	63.5 C

HF-MW-2	
DATE	9/26/2007
DEPTH	1' - 4'
As	**1.4 A**
Ba	110
Cd	0.18 "J"
Cr	29
Pb	7.2
Se	8.1
N	42 "J"
ANTH	18.5 "J"
B(a)A	44 "J"
B(a)P	**36 "J" A**
B(b)F	53
B(ghi)P	29.6 "J"
B(k)F	20.1 "J"
CHRY	51
FLUA	150
I(123)P	24.5 "J"
PHEN	88
PY	112

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CROSS SECTION A-A'
GEORGETOWN CLEANERS
180 NORTH MAIN STREET
FOND DU LAC, WISCONSIN

Drawn:	REO	9/30/2009
Checked:	AGM	9/30/2009
Approved:		
PROJECT NUMBER	200701847	
FIGURE NUMBER	4	

X:\Projects\200701847\dwg\JUNE 2009\G200701847-Figure 4's.dwg; 10/1/2009 9:03:04 AM; OLKIEWICZ, ROB; STS.stb

Notes:
VOCs = Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
[1] Standards are for 1,2,4- and 1,3,5-Trimethylbenzene combined.
[A] Parameter exceeds NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds NR 746 Table 1 Soil Screening Levels
[E] Generic RCL is established under NR 720 or NR 746
[F] Generic RCLs provided in *Soil Cleanup Levels for PAHs Interim Guidance*, WDNR RR-5 1997
-- No Generic RCL established.
Generic RCLs not included in Wisconsin Administrative Code or Guidance are calculated from the US EPA Soil Screening Level Web Page and the default values contained in *Determining Residual Contaminant Levels using the EPA Soil Screening Level Web Site* WDNR PUB-RR-682 on May 12, 2006.

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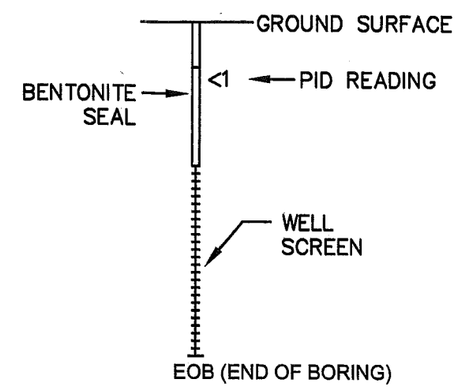
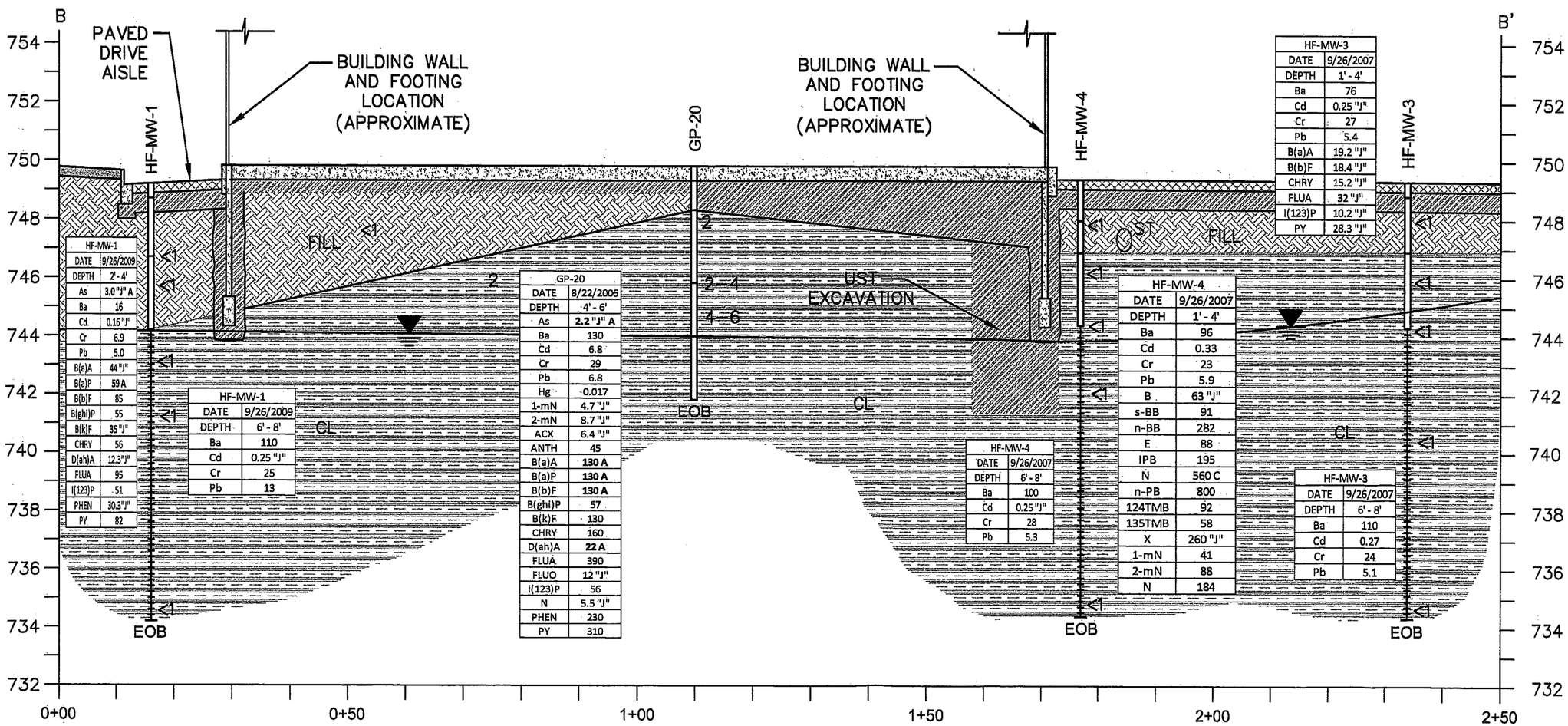
Ba: Barium	D(ah)A: Dibenzo(a,h)anthracene	124TMB: 1,2,4-Trimethylbenzene
Cd: Cadmium	FLUA: Fluroanthene	135TMB: 1,3,5-Trimethylbenzene
Cr: Chromium	I(123)P: Indeno(1,2,3-cd)pyrene	X: Total Xylenes
Pb: Lead	PHEN: Phenanethrene	FLUO: Fluorene
Se: Selenium	PY: Pyrene	1-mN: 1-Methylnaphthalene
Ag: Silver	N: Naphthalene	2-mN: 2-Methylnaphthalene
Hg: Mercury	ANTH: Anthracene	ACX: Acenaphthene
B(a)A: Benzo(a)anthracene	B: Benzene	
B(a)P: Benzo(a)pyrene	s-BB: Sec-Butylbenzene	
B(b)F: Benzo(b)flouranthene	n-BB: N-Butylbenzene	
B(ghi)P: Benzo(ghi)perylene	E: Ethylbenzene	
B(k)F: Benzo(k)flouranthene	IPB: Isopropylbenzene	

WELL CONSTRUCTION



LEGEND

TOPSOIL
STRUCTURAL FILL
ASPHALT PAVEMENT
MISCELLANEOUS FILL
CONCRETE PAVEMENT
SILTY CLAY (OL) TRACE FINE GRAVEL
APRIL 8, 2008 – WATER LEVEL
O^W O_SAN O^ST EXISTING WATER, STORM, OR SANITARY UTLITIES



HF-MW-1	
DATE	9/26/2009
DEPTH	2' - 4'
As	3.0 "J" A
Ba	16
Cd	0.16 "J"
Cr	6.9
Pb	5.0
B(a)A	44 "J"
B(a)P	59 A
B(b)F	85
B(ghi)P	55
B(k)F	35 "J"
CHRY	56
D(ah)A	12.3 "J"
FLUA	95
I(123)P	51
PHEN	30.3 "J"
PY	82

HF-MW-1	
DATE	9/26/2009
DEPTH	6' - 8'
Ba	110
Cd	0.25 "J"
Cr	25
Pb	13

GP-20	
DATE	8/22/2006
DEPTH	4' - 6'
As	**2.2 "J" A**
Ba	130
Cd	6.8
Cr	29
Pb	6.8
Hg	0.017
1-mN	4.7 "J"
2-mN	8.7 "J"
ACX	6.4 "J"
ANTH	45
B(a)A	**130 A**
B(a)P	**130 A**
B(b)F	**130 A**
B(ghi)P	57
B(k)F	130
CHRY	160
D(ah)A	**22 A**
FLUA	390
FLUO	12 "J"
I(123)P	56
N	5.5 "J"
PHEN	230
PY	310

HF-MW-4	
DATE	9/26/2007
DEPTH	6' - 8'
Ba	100
Cd	0.25 "J"
Cr	28
Pb	5.3

HF-MW-3	
DATE	9/26/2007
DEPTH	1' - 4'
Ba	76
Cd	0.25 "J"
Cr	27
Pb	5.4
B(a)A	19.2 "J"
B(b)F	18.4 "J"
CHRY	15.2 "J"
FLUA	32 "J"
I(123)P	10.2 "J"
PY	28.3 "J"

HF-MW-4	
DATE	9/26/2007
DEPTH	1' - 4'
Ba	96
Cd	0.33
Cr	23
Pb	5.9
B	63 "J"
s-BB	91
n-BB	282
E	88
IPB	195
N	560 C
n-PB	800
124TMB	92
135TMB	58
X	260 "J"
1-mN	41
2-mN	88
N	184

HF-MW-3	
DATE	9/26/2007
DEPTH	6' - 8'
Ba	110
Cd	0.27
Cr	24
Pb	5.1

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CROSS SECTION B-B'
GEORGETOWN CLEANERS
180 NORTH MAIN STREET
FOND DU LAC, WISCONSIN

Drawn:	REO	9/30/2009
Checked:	AGM	9/30/2009
Approved:		
PROJECT NUMBER	200701847	
FIGURE NUMBER	4A	

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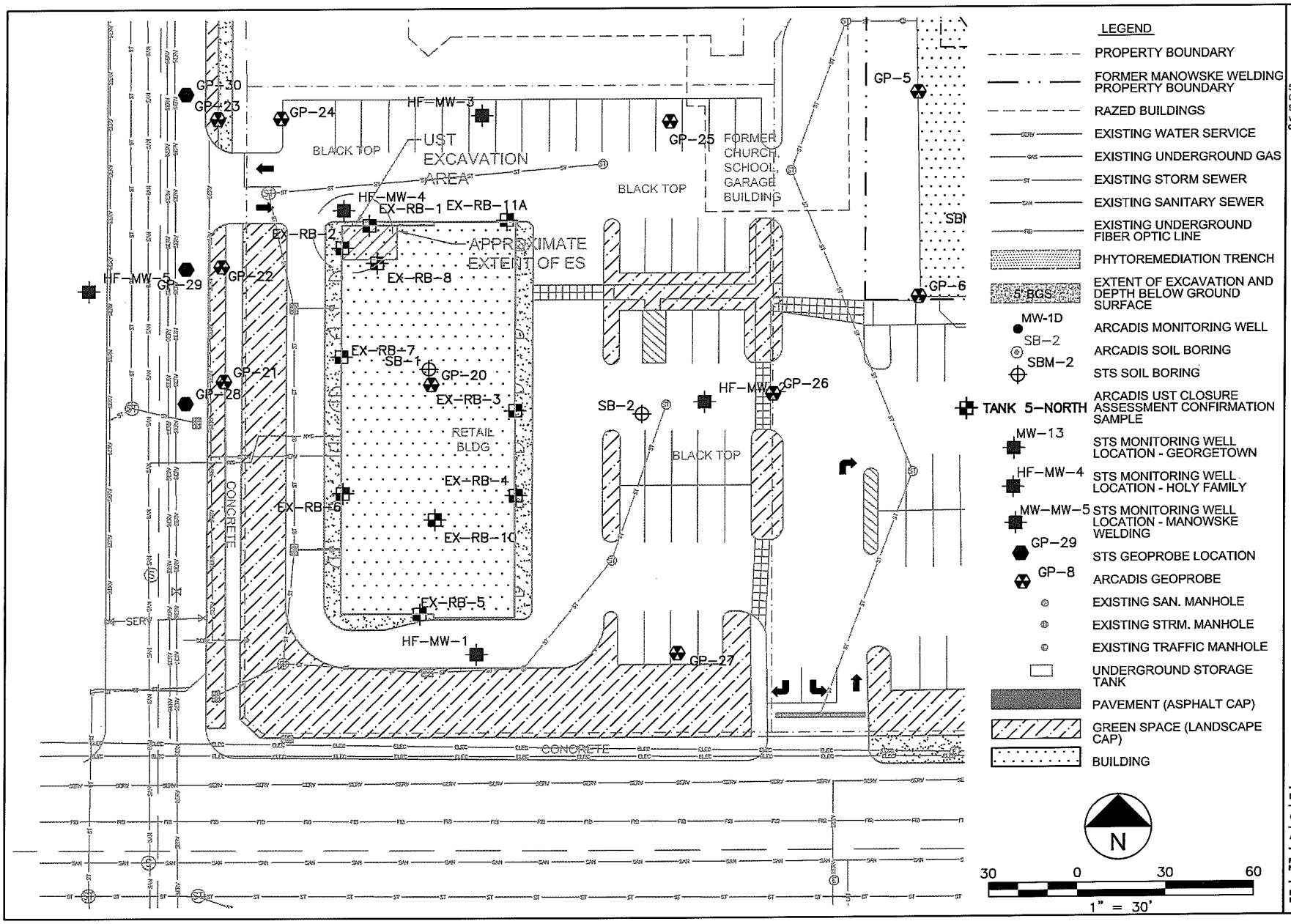

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GROUNDWATER ES EXTENT
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn :	MAS	11/19/2008
Checked:	AGM	11/19/2008
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	5C	

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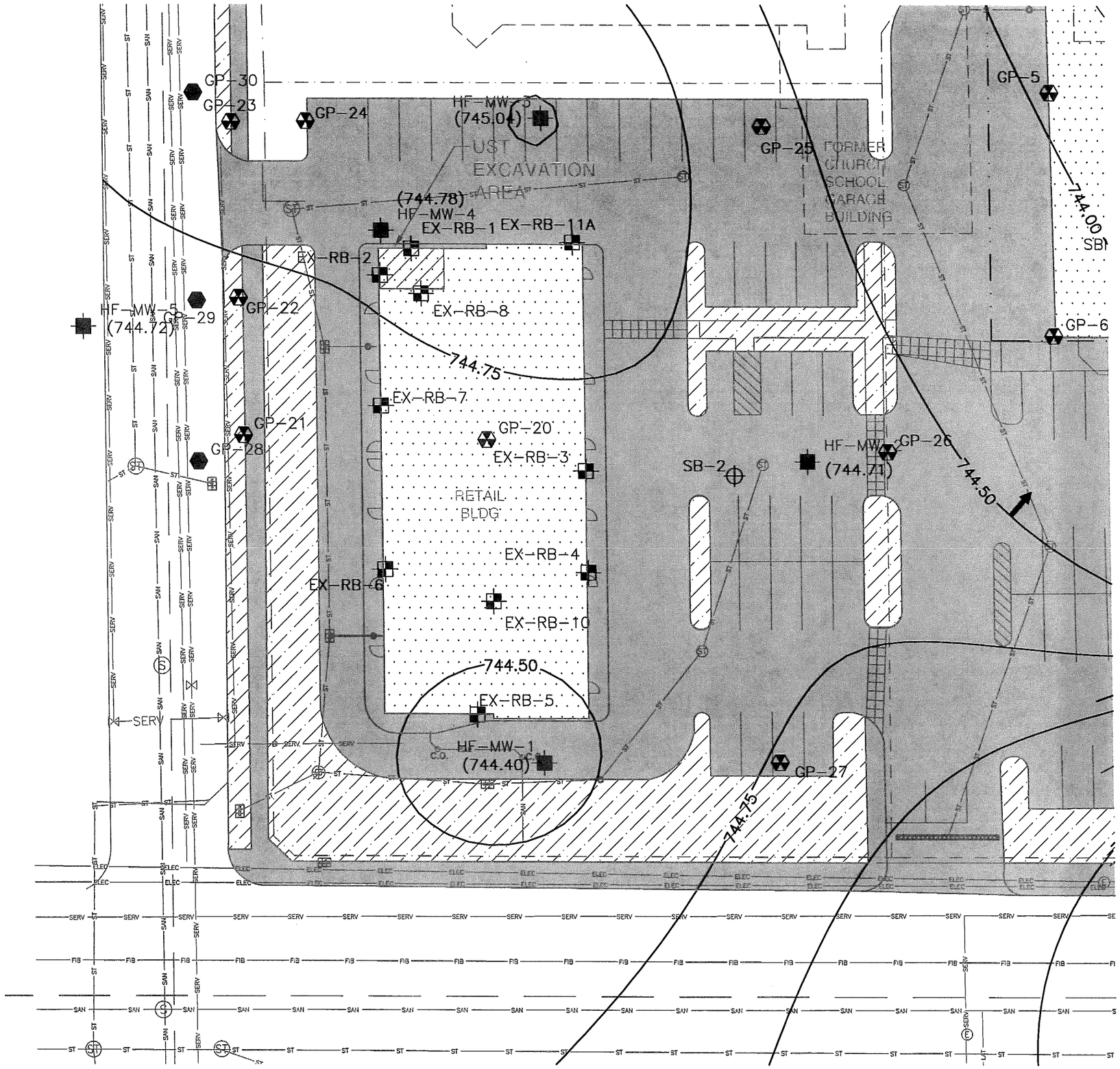

LEGEND

- PROPERTY BOUNDARY
- FORMER MANOWSKE WELDING PROPERTY BOUNDARY
- RAZED BUILDINGS
- EXISTING WATER SERVICE
- EXISTING UNDERGROUND GAS
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING UNDERGROUND FIBER OPTIC LINE
- MW-1D — ARCADIS MONITORING WELL
- SB-2 — ARCADIS SOIL BORING
- SBM-2 — STS SOIL BORING
- TANK 5-NORTH — ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
- MW-13 — STS MONITORING WELL LOCATION - GEORGETOWN
- HF-MW-4 — STS MONITORING WELL LOCATION - HOLY FAMILY
- MW-MW-5 — STS MONITORING WELL LOCATION - MANOWSKE WELDING
- GP-29 — STS GEOPROBE LOCATION
- GP-8 — ARCADIS GEOPROBE
- EXISTING SAN. MANHOLE
- EXISTING STRM. MANHOLE
- EXISTING TRAFFIC MANHOLE
- UNDERGROUND STORAGE TANK
- PAVEMENT (ASPHALT CAP)
- GREEN SPACE (LANDSCAPE CAP)
- BUILDING
- GROUNDWATER ES EXTENT
- (744.72) — WATER TABLE ELEVATION (FT)

N

30 0 30 60

1" = 30'

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GROUNDWATER CONTOUR MAP (4/08/2008)
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn :	REO	9/30/2009
Checked:	AGM	9/30/2009
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	5	

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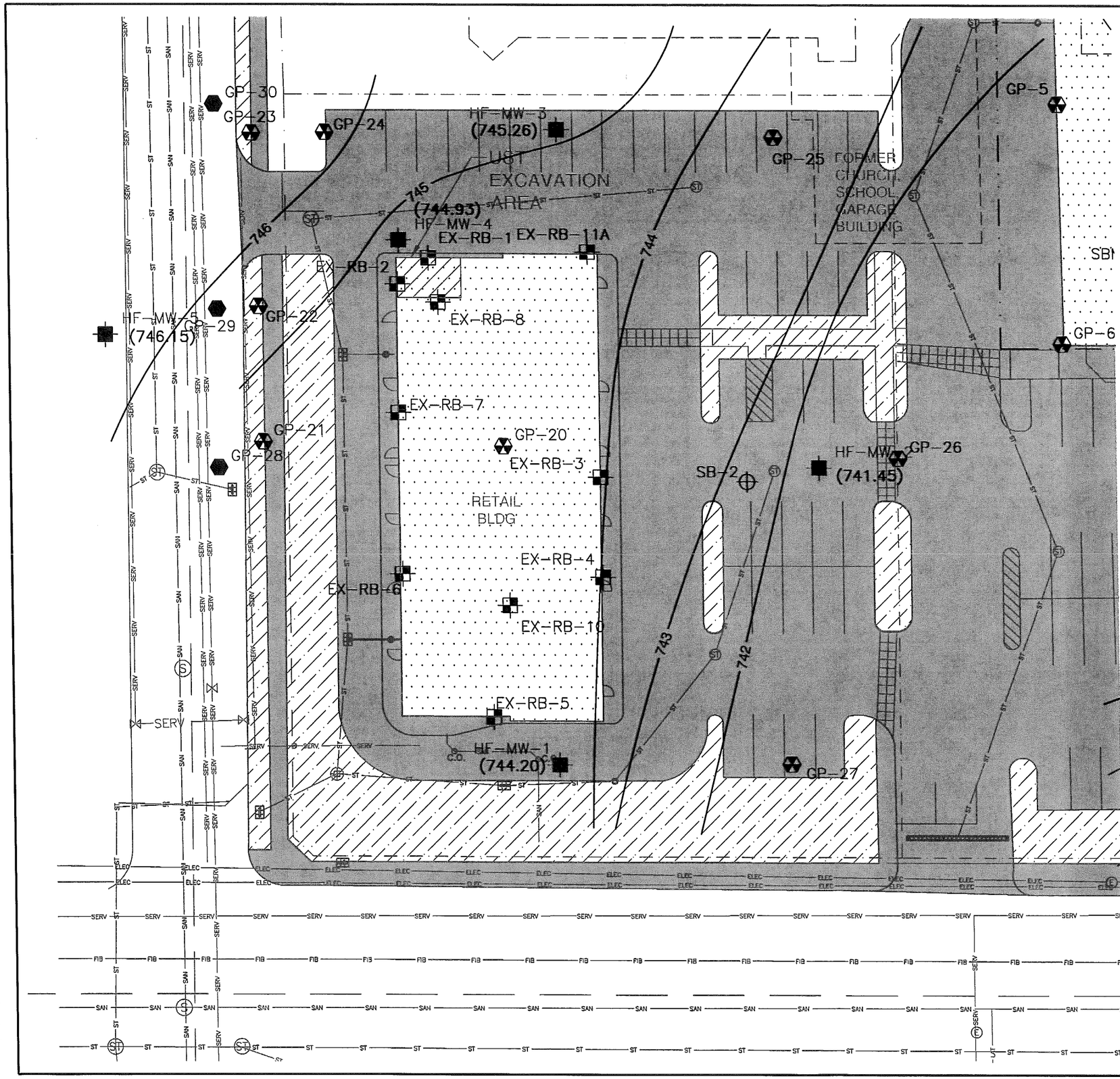

LEGEND

	PROPERTY BOUNDARY
	FORMER MANOWSKE WELDING PROPERTY BOUNDARY
	RAZED BUILDINGS
SERV	EXISTING WATER SERVICE
GAS	EXISTING UNDERGROUND GAS
ST	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
FIB	EXISTING UNDERGROUND FIBER OPTIC LINE
MW-1D	ARCADIS MONITORING WELL
SB-2	ARCADIS SOIL BORING
SBM-2	STS SOIL BORING
TANK 5-NORTH	ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
MW-13	STS MONITORING WELL LOCATION - GEORGETOWN
HF-MW-4	STS MONITORING WELL LOCATION - HOLY FAMILY
MW-MW-5	STS MONITORING WELL LOCATION - MANOWSKE WELDING
GP-29	STS GEOPROBE LOCATION
GP-8	ARCADIS GEOPROBE
	EXISTING SAN. MANHOLE
	EXISTING STRM. MANHOLE
	EXISTING TRAFFIC MANHOLE
	UNDERGROUND STORAGE TANK
	PAVEMENT (ASPHALT CAP)
	GREEN SPACE (LANDSCAPE CAP)
	BUILDING
	GROUNDWATER ES EXTENT
(744.40)	WATER TABLE ELEVATION (FT)

N

30 0 30 60

1" = 30'

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GROUNDWATER CONTOUR MAP (8/01/2008)
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn :	REO	9/30/2009
Checked:	AGM	9/30/2009
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	5A	

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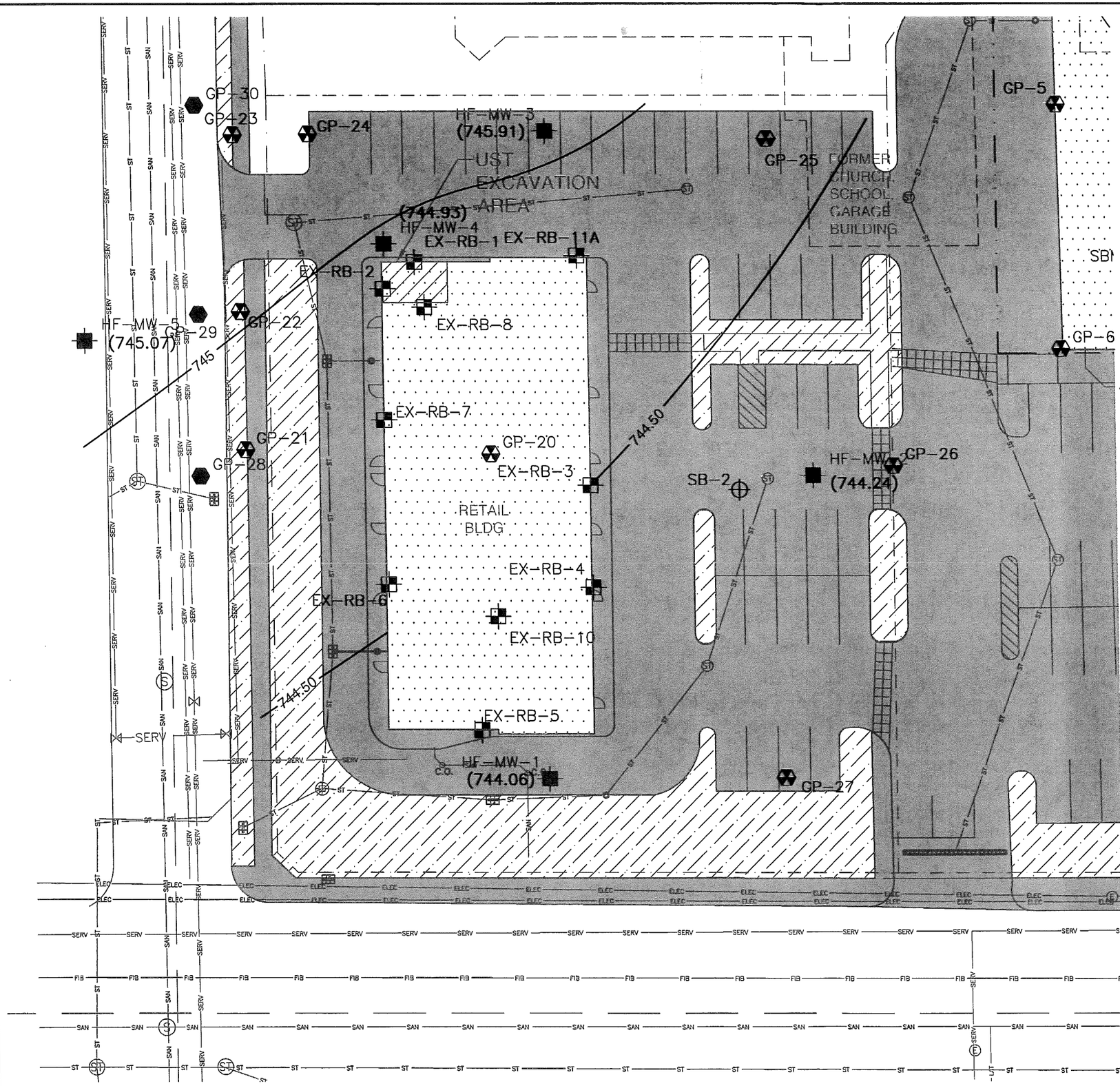

LEGEND

	PROPERTY BOUNDARY
	FORMER MANOWSKE WELDING PROPERTY BOUNDARY
	RAZED BUILDINGS
SERV	EXISTING WATER SERVICE
GAS	EXISTING UNDERGROUND GAS
ST	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
FIB	EXISTING UNDERGROUND FIBER OPTIC LINE
MW-1D	ARCADIS MONITORING WELL
SB-2	ARCADIS SOIL BORING
SBM-2	STS SOIL BORING
TANK 5-NORTH	ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
MW-13	STS MONITORING WELL LOCATION - GEORGETOWN
HF-MW-4	STS MONITORING WELL LOCATION - HOLY FAMILY
MW-MW-5	STS MONITORING WELL LOCATION - MANOWSKE WELDING
GP-29	STS GEOPROBE LOCATION
GP-8	ARCADIS GEOPROBE
	EXISTING SAN. MANHOLE
	EXISTING STRM. MANHOLE
	EXISTING TRAFFIC MANHOLE
	UNDERGROUND STORAGE TANK
	PAVEMENT (ASPHALT CAP)
	GREEN SPACE (LANDSCAPE CAP)
	BUILDING
	GROUNDWATER CONTOUR
(744.40)	WATER TABLE ELEVATION (FT)

N

30 0 30 60

1" = 30'

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GROUNDWATER CONTOUR MAP (12/25/2008)
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn :	REO	9/30/2009
Checked:	AGM	9/30/2009
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	5B	

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ARCADIS

Table 1. Summary of VOC Analytical Results for Soil Samples and Comparisons to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID Sample Date	NR 720 GW Pathway	NR746 SSL	NR746 DC Criteria	GP-20 (4-6) 08/22/06	GP-21 (4-6') 10/17/06	GP-21 (8-10') 10/17/06	GP-22 (2-4') 10/17/06	GP-22 (8-10') 10/17/06	GP-23 (2-4') 10/17/06
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	--	83,000	--	<25	37 Q	87	15,000	220	<25
1,3,5-Trimethylbenzene	--	11,000	--	<25	<25	<25	4,400	240	<25
Benzene	5.5	8,500	1,100	<25	<25	**38 Q**	<100	**2,500**	<25
Ethylbenzene	2,900	4,600	--	<25	<25	66 Q	1,900	1,200	<25
Isopropylbenzene	--	--	--	<25	<25	110	650	94	<25
Naphthalene	--	2,700	--	<25	<25	<25	2,300	77	<25
n-Butylbenzene	--	--	--	<40	<40	200	2,500	<40	<40
n-Propylbenzene	--	--	--	<25	<25	410	2,800	260	<25
p-Isopropyltoluene	--	--	--	<25	<25	84	840	<25	<25
s-Butylbenzene	--	--	--	<25	<25	79	450	<25	<25
Tetrachloroethene	--	--	--	<25	<25	<25	<100	<25	<25
Toluene	1,500	38,000	--	<25	<25	<25	<100	240	<25
Xylene, o	--	--	--	<25	<25	<25	520	190	<25
Xylenes, m + p	--	--	--	<50	<50	100 Q	**7,100**	380	<50
Xylenes, total	4,100	42,000	--	<75	<75	100	**7,620**	570	<75

Bold	Value exceeds the NR 720 GW Pathway.
Value	Value exceeds NR 746 SSL.
[ ]	Value exceeds NR 746 DC Criteria.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NR720 GW Pathway	WDNR NR 720 Groundwater Pathway Residual Contaminant Levels (RCLs).
NR746 SSL	WDNR NR 746 Soil Screening Levels (SSLs).
NR746 DC Criteria	WDNR NR 746 Direct Contact Criteria.
Q	Concentration between limit of detection and limit of quantitation.
VOCs	Volatile Organic Compounds

ARCADIS

Table 1. Summary of VOC Analytical Results for Soil Samples and Comparisons to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID	GP-23 (8-10')	GP-24 (2-4')	GP-24 (8-10')	GP-25 (2-4')	GP-25 (8-10')	GP-26 (2-4')	GP-26 (8-10')	GP-27 (2-4')	GP-27 (8-10')
Sample Date	10/17/06	10/17/06	10/17/06	10/17/06	10/17/06	10/17/06	10/17/06	10/16/06	10/16/06
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	75	<25	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	35 Q	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25	<25	<25	<25
Ethylbenzene	51 Q	<25	<25	<25	<25	<25	<25	<25	<25
Isopropylbenzene	<25	<25	<25	<25	<25	<25	<25	<25	<25
Naphthalene	<25	<25	<25	<25	<25	<25	<25	<25	<25
n-Butylbenzene	<40	<40	<40	<40	<40	<40	<40	<40	<40
n-Propylbenzene	<25	<25	<25	<25	<25	<25	<25	<25	<25
p-Isopropyltoluene	<25	<25	<25	<25	<25	380	<25	<25	<25
s-Butylbenzene	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25	<25	<25	<25
Toluene	79	<25	<25	<25	<25	<25	<25	<25	<25
Xylene, o	32 Q	<25	<25	<25	<25	<25	<25	<25	<25
Xylenes, m + p	170	<50	<50	<50	<50	<50	<50	<50	<50
Xylenes, total	202	<75	<75	<75	<75	<75	<75	<75	<75

Bold	Value exceeds the NR 720 GW Pathway.
Value	Value exceeds NR 746 SSL.
[Value]	Value exceeds NR 746 DC Criteria.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NR720 GW Pathway	WDNR NR 720 Groundwater Pathway Residual Contaminant Levels (RCLs).
NR746 SSL	WDNR NR 746 Soil Screening Levels (SSLs).
NR746 DC Criteria	WDNR NR 746 Direct Contact Criteria.
Q	Concentration between limit of detection and limit of quantitation.
VOCs	Volatile Organic Compounds

ARCADIS

Table 1. Summary of VOC Analytical Results for Soil Samples and Comparisons to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID	SB-1 (2-4)	SB-2 (2-4)
Sample Date	07/27/06	07/27/06
VOCs (µg/kg)		
1,2,4-Trimethylbenzene	72	<25
1,3,5-Trimethylbenzene	<25	<25
Benzene	**97**	<25
Ethylbenzene	37 Q	<25
Isopropylbenzene	<25	<25
Naphthalene	71	<25
n-Butylbenzene	<40	<40
n-Propylbenzene	<25	<25
p-Isopropyltoluene	<25	<25
s-Butylbenzene	<25	<25
Tetrachloroethene	1,200	130
Toluene	190	<25
Xylene, o	65	<25
Xylenes, m + p	130	<50
Xylenes, total	195	<75

Bold	Value exceeds the NR 720 GW Pathway.
Value	Value exceeds NR 746 SSL.
	Value exceeds NR 746 DC Criteria.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NR720 GW Pathway	WDNR NR 720 Groundwater Pathway Residual Contaminant Levels (RCLs).
NR746 SSL	WDNR NR 746 Soil Screening Levels (SSLs).
NR746 DC Criteria	WDNR NR 746 Direct Contact Criteria.
Q	Concentration between limit of detection and limit of quantitation.
VOCs	Volatile Organic Compounds

ARCADIS

Table 2. Summary of PAH and Metal Analytical Results for Soil Samples and Comparisons to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID Sample Date	DC IND	DC NON-IND	GW Pathway	GP-20 (4-6') 8/22/2006	GP-21 (4-6') 10/17/2006	GP-21 (8-10') 10/17/2006	GP-22 (2-4') 10/17/2006	GP-22 (8-10') 10/17/2006
PAHs (µg/kg)								
1-Methylnaphthalene	70,000,000	1,100,000	23,000	4.7 Q	43	NA	<3.7	NA
2-Methylnaphthalene	40,000,000	600,000	20,000	8.7 Q	120	NA	<3.8	NA
Acenaphthene	60,000,000	900,000	38,000	6.4 Q	<3.6	NA	<3.6	NA
Acenaphthylene	360,000	18,000	700	<3.6	<3.5	NA	<3.5	NA
Anthracene	300,000,000	5,000,000	3,000,000	45	6.3 Q	NA	<4.4	NA
Benzo(a)anthracene	3,900	88	17,000	130	<6.4	NA	<6.5	NA
Benzo(a)pyrene	390	9	48,000	130	<3.4	NA	<3.5	NA
Benzo(b)fluoranthene	3,900	88	360,000	130	7.1 Q	NA	<3.4	NA
Benzo(g,h,i)perylene	39,000	1,800	6,800,000	57	8.3 Q	NA	<4.4	NA
Benzo(k)fluoranthene	39,000	880	870,000	130	<3.7	NA	<3.7	NA
Chrysene	390,000	8,800	37,000	160	<5.2	NA	<5.3	NA
Dibenz(a,h)anthracene	390	9	38,000	22	<3.3	NA	<3.4	NA
Fluoranthene	40,000,000	600,000	500,000	390	<3.5	NA	<3.5	NA
Fluorene	40,000,000	600,000	100,000	12 Q	<4.1	NA	<4.2	NA
Indeno(1,2,3-cd)pyrene	3,900	88	500,000	56	7.1 Q	NA	<3.1	NA
Naphthalene	110,000	20,000	400	5.5 Q	150	NA	4.9 Q	NA
Phenanthrene	390,000	18,000	1,800	230	<3.5	NA	<3.6	NA
Pyrene	30,000,000	500,000	8,700,000	310	<2.9	NA	<3	NA
Metals (mg/kg)								
Arsenic	1.6	0.039	--	22 Q	21	NA	21	NA
Barium	--	--	--	130	NA	NA	NA	NA
Cadmium	--	--	--	<0.063	NA	NA	NA	NA
Chromium	200	14	--	29	27	NA	30	NA
Lead	500	50	--	6.8	8.5	NA	6.7	NA
Mercury	--	--	--	0.017	NA	NA	NA	NA
Selenium	--	--	--	<1	NA	NA	NA	NA
Silver	--	--	--	<0.3	NA	NA	NA	NA

Footnotes on Page 3.

ARCADIS

Table 2. Summary of PAH and Metal Analytical Results for Soil Samples and Comparisons to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID	GP-23 (2-4')	GP-23 (8-10')	GP-24 (2-4')	GP-24 (8-10')	GP-25 (2-4')	GP-25 (8-10')	GP-26 (2-4')	GP-26 (8-10')
Sample Date	10/17/2006	10/17/2006	10/17/2006	10/17/2006	10/17/2006	10/17/2006	10/17/2006	10/17/2006
PAHs (µg/kg)								
1-Methylnaphthalene	<3.5	NA	<3.6	NA	<4.3	NA	<4.3	NA
2-Methylnaphthalene	<3.6	NA	4.4 Q	NA	<4.4	NA	<4.5	NA
Acenaphthene	<3.4	NA	<3.6	NA	<4.2	NA	<4.2	NA
Acenaphthylene	<3.3	NA	<3.5	NA	<4	NA	<4.1	NA
Anthracene	5.0 Q	NA	12 Q	NA	<5	NA	<5.1	NA
Benzo(a)anthracene	25	NA	80	NA	<7.5	NA	<7.5	NA
Benzo(a)pyrene	28	NA	110	NA	<4	NA	6.3 Q	NA
Benzo(b)fluoranthene	25	NA	100	NA	<3.9	NA	7.0 Q	NA
Benzo(g,h,i)perylene	18	NA	72	NA	<5	NA	<5.1	NA
Benzo(k)fluoranthene	27	NA	100	NA	<4.3	NA	6.7 Q	NA
Chrysene	28	NA	110	NA	<6.1	NA	8.3 Q	NA
Dibenz(a,h)anthracene	6.0 Q	NA	23	NA	<3.9	NA	<3.9	NA
Fluoranthene	47	NA	180	NA	5.2 Q	NA	12 Q	NA
Fluorene	<3.9	NA	<4.1	NA	<4.8	NA	<4.9	NA
Indeno(1,2,3-cd)pyrene	17	NA	64	NA	<3.5	NA	4.3 Q	NA
Naphthalene	<4.6	NA	6.3 Q	NA	8.8 Q	NA	9.6 Q	NA
Phenanthrene	15	NA	57	NA	<4.1	NA	11 Q	NA
Pyrene	37	NA	140	NA	4.1 Q	NA	9.3 Q	NA
Metals (mg/kg)								
Arsenic	4.8	NA	35.2	NA	4.1	NA	13.2	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	31	NA	27	NA	35	NA	35	NA
Lead	9.1	NA	67	NA	12	NA	11	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA

Footnotes on Page 3.

ARCADIS

Table 2. Summary of PAH and Metal Analytical Results for Soil Samples and Comparisons to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID	GP-27 (2-4')	GP-27 (8-10')	SB-1 (2-4')	SB-2 (2-4')
Sample Date	10/16/2006	10/16/2006	7/27/2006	7/27/2006
PAHs (µg/kg)				
1-Methylnaphthalene	270	NA	190	200
2-Methylnaphthalene	330	NA	260	270
Acenaphthene	<34	NA	72 Q	40 Q
Acenaphthylene	<33	NA	70 Q	<17
Anthracene	210	NA	560	170
Benzo(a)anthracene	1,200	NA	2,900	490
Benzo(a)pyrene	1,400	NA	5,300	450
Benzo(b)fluoranthene	1,500	NA	5,100	500
Benzo(g,h,i)perylene	740	NA	3,600	170
Benzo(k)fluoranthene	1,400	NA	4,600	450
Chrysene	1,500	NA	3,500	610
Dibenz(a,h)anthracene	280	NA	1,200	130 B
Fluoranthene	2,800	NA	5,800	1,300
Fluorene	50 Q	NA	110 Q	55 Q
Indeno(1,2,3-cd)pyrene	740	NA	3,200	220 B
Naphthalene	190	NA	190 Q	220
Phenanthrene	1,100	NA	1,700	1,000
Pyrene	2,200	NA	5,400	1,100
Metals (mg/kg)				
Arsenic	4.8	NA	7.2	3.9 Q
Barium	NA	NA	140	210
Cadmium	NA	NA	0.62	0.53
Chromium	11	NA	16	6.9
Lead	29	NA	96	72
Mercury	NA	NA	0.15	0.054
Selenium	NA	NA	<0.86	<1.2
Silver	NA	NA	<0.26	<0.36

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Table 2. Summary of PAH and Metal Analytical Results for Soil Samples and Comparisons to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

	Concentration exceeds the Non-Industrial Direct Contact RCL.
	Concentration exceeds the Industrial Direct Contact RCL.
mg/kg	Milligrams per kilogram.
µg/kg	Micrograms per kilogram.
DC IND	WDNR proposed and NR 720 industrial direct contact RCLs.
DC NON-IND	WDNR proposed and NR 720 non-industrial direct contact RCLs.
GW Pathway	WDNR proposed and NR 720 groundwater pathway RCLs.
B	Concentration between method detection limit and reporting limit.
Q	Concentration between limit of detection and limit of quantitation.

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Table 3 Summary of VOC Analytical Results for Soil Excavation Confirmation Samples and Comparison to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID Sample Date	NR 720 GW Pathway	NR746 SSL	NR746 DC Criteria	EX-RB-1 8/29/2006	EX-RB-2 8/29/2006	EX-RB-3 8/29/2006	EX-RB-4 8/29/2006	EX-RB-5 8/29/2006	EX-RB-6 8/29/2006
VOC (ug/kg)									
1,2,4-Trimethylbenzene	--	83,000	--	*120,000*	61,000	<25	<25	<25	<25
1,3,5-Trimethylbenzene	--	11,000	--	*35,000*	*17,000*	<25	<25	<25	<25
Benzene	5.5	8,500	1,100	**4,100**	**1,000**	<25	<25	<25	<25
Ethylbenzene	2,900	4,600	--	***49,000***	***20,000***	<25	<25	<25	<25
Isopropylbenzene	--	--	--	7,200	3,100	<25	<25	<25	<25
Naphthalene	--	2,700	--	*22,000*	*17,000*	<25	<25	<25	<25
n-Propylbenzene	--	--	--	25,000	12,000	<25	<25	<25	<25
p-Isopropyltoluene	--	--	--	6,600	3,600	<25	<25	<25	<25
s-Butylbenzene	--	--	--	3,000	1,600	<25	<25	<25	<25
Toluene	1,500	38,000	--	***93,000***	**32,000**	<25	<25	<25	<25
Xylene, o	--	--	--	***74,000***	**29,000**	<25	<25	<25	<25
Xylenes, m + p	--	--		***180,000***	***75,000***	<50	<50	<50	<50
Xylenes, total	4,100	42,000	--	***254,000***	***104,000***	<75	<75	<75	<75

Bold	Value exceeds the NR 720 GW Pathway.
Value	Value exceeds NR 746 SSL.
[ ]	Value exceeds NR 746 DC Criteria.
µg/kg	Micrograms per kilogram.
NR720 GW Pathway	WDNR NR 720 Groundwater Pathway Residual Contaminant Levels (RCLs).
NR746 SSL	WDNR NR 746 Soil Screening Levels (SSLs).
NR746 DC Criteria	WDNR NR 746 Direct Contact Criteria.
Q	Concentration between limit of detection and limit of quantitation.
VOCs	Volatile Organic Compounds

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Table 3 Summary of VOC Analytical Results for Soil Excavation Confirmation Samples and Comparison to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID Sample Date	NR 720 GW Pathway	NR746 SSL	NR746 DC Criteria	EX-RB-7 8/29/2006	EX-RB-8 8/29/2006	EX-RB-9 8/29/2006	EX-RB-10 8/29/2006	EX-RB-11A 8/30/2006
VOC (ug/kg)								
1,2,4-Trimethylbenzene	--	83,000	--	48 Q	110	42 Q	100	97
1,3,5-Trimethylbenzene	--	11,000	--	<25	82	<25	<25	<25
Benzene	5.5	8,500	1,100	**39 Q**	**220**	<25	<25	<25
Ethylbenzene	2,900	4,600	--	50 Q	1100	<25	<25	41 Q
Isopropylbenzene	--	--	--	<25	81	<25	<25	<25
Naphthalene	--	2,700	--	250	44 Q	<25	<25	<25
n-Propylbenzene	--	--	--	75	210	<25	<25	<25
p-Isopropyltoluene	--	--	--	<25	<25	<25	<25	<25
s-Butylbenzene	--	--	--	<25	<25	<25	<25	<25
Toluene	1,500	38,000	--	<25	58 Q	<25	<25	35 Q
Xylene, o	--	--	--	30 Q	51 Q	<25	51 Q	56 Q
Xylenes, m + p	--	--		<50	110 Q	<50	110 Q	150 Q
Xylenes, total	4,100	42,000	--	30	161	<75	161	206

Bold	Value exceeds the NR 720 GW Pathway.
Value	Value exceeds NR 746 SSL.
[ ]	Value exceeds NR 746 DC Criteria.
µg/kg	Micrograms per kilogram.
NR720 GW Pathway	WDNR NR 720 Groundwater Pathway Residual Contaminant Levels (RCLs).
NR746 SSL	WDNR NR 746 Soil Screening Levels (SSLs).
NR746 DC Criteria	WDNR NR 746 Direct Contact Criteria.
Q	Concentration between limit of detection and limit of quantitation.
VOCs	Volatile Organic Compounds

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Table 4 Summary of PAHs and Metals Analytical Results for Soil Excavation Confirmation Samples and Comparison to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID Sample Date	DC IND	DC NON-IND	GW Pathway	EX-RB-1 08/29/06	EX-RB-2 08/29/06	EX-RB-3 08/29/06	EX-RB-4 08/29/06	EX-RB-5 08/29/06	EX-RB-6 08/29/06	EX-RB-7 08/29/06
PAHs (ug/kg)										
1-Methylnaphthalene	70,000,000	1,100,000	23,000	1,000	1,900	12 Q	16	<3.6	<3.4	21
2-Methylnaphthalene	40,000,000	600,000	20,000	2,900	5,500	15	21	4.6 Q	<3.5	71
Acenaphthene	60,000,000	900,000	38,000	<37	<72	<4.2	7.8 Q	<3.5	<3.3	<3.5
Acenaphthylene	360,000	18,000	700	<36	<70	<4	36	4.9 Q	<3.2	<3.4
Anthracene	300,000,000	5,000,000	3,000,000	<44	<86	7.0 Q	70	9.5 Q	<4	<4.2
Benzo(a)anthracene	3,900	88	17,000	<65	<130	14 Q	280	43	<5.9	<6.2
Benzo(a)pyrene	390	9	48,000	<35	<70	16	330	37	<3.2	<3.4
Benzo(b)fluoranthene	3,900	88	360,000	<35	<68	16	220	35	<3.1	<3.3
Benzo(g,h,i)perylene	39,000	1,800	6,800,000	<44	<86	11 Q	110	15	<4	<4.2
Benzo(k)fluoranthene	39,000	880	870,000	<38	<74	17	290	35	<3.4	<3.6
Chrysene	390,000	8,800	37,000	<54	<110	21	270	44	<4.9	<5.1
Dibenz(a,h)anthracene	390	9	38,000	<34	<67	<3.9	48	5.7 Q	<3.1	<3.2
Fluoranthene	40,000,000	600,000	500,000	<36	<70	37	430	67	4.5 Q	<3.4
Fluorene	40,000,000	600,000	100,000	<42	<83	<4.8	18	4.4 Q	<3.8	<4
Indeno(1,2,3-cd)pyrene	3,900	88	500,000	<31	<61	8.9 Q	120	15	<2.8	<2.9
Naphthalene	110,000	20,000	400	**4,700**	**9,600**	13 Q	35	12 Q	<4.5	130
Phenanthrene	390,000	18,000	1,800	42 Q	<72	37	140	43	4.8 Q	<3.5
Pyrene	30,000,000	500,000	8,700,000	<30	<60	43	530	73	4.6 Q	<2.9
Metals (mg/kg)										
Arsenic	1.6	0.039	--	4.9	10	4.8	5.2	4.7	4.8	4.1
Barium	--	--	--	130	160	140	140	340	200	150
Cadmium	--	--	--	0.26	0.36	0.36	0.52	0.35	0.37	0.29
Chromium	200	14	--	33	28	26	27	20	38	35
Lead	500	50	--	14	49	20	41	15	9.3	11
Mercury	--	--	--	0.017	0.19	0.12	0.18	0.035	0.042	0.046
Selenium	--	--	--	<1	<0.98	<1.1	<1.1	<0.96	<0.9	<0.95
Silver	--	--	--	<0.3	<0.29	<0.34	<0.32	<0.28	<0.27	<0.28

Footnotes on Page 3.

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Table 4. Summary of PAHs and Metals Analytical Results for Soil Excavation Confirmation Samples and Comparison to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

Sample ID Sample Date	DC IND	DC NON-IND	GW Pathway	EX-RB-8 08/29/06	EX-RB-9 08/29/06	EX-RB-10 08/29/06	EX-RB-11A 08/30/06
PAHs (µg/kg)							
1-Methylnaphthalene	70,000,000	1,100,000	23,000	5.5 Q	8.1 Q	<3.6	<4.1
2-Methylnaphthalene	40,000,000	600,000	20,000	5.4 Q	23	<3.8	4.5 Q
Acenaphthene	60,000,000	900,000	38,000	<3.6	<3.5	<3.6	<4
Acenaphthylene	360,000	18,000	700	<3.5	<3.4	<3.5	<3.9
Anthracene	300,000,000	5,000,000	3,000,000	<4.3	<4.2	<4.3	<4.8
Benzo(a)anthracene	3,900	88	17,000	<6.4	7.4 Q	<6.4	9.3 Q
Benzo(a)pyrene	390	9	48,000	<3.5	10 Q	<3.5	12 Q
Benzo(b)fluoranthene	3,900	88	360,000	<3.4	11	<3.4	12 Q
Benzo(g,h,i)perylene	39,000	1,800	6,800,000	<4.3	7.4 Q	<4.3	8.4 Q
Benzo(k)fluoranthene	39,000	880	870,000	<3.7	12 Q	<3.7	12 Q
Chrysene	390,000	8,800	37,000	<5.3	13 Q	<5.3	14 Q
Dibenz(a,h)anthracene	390	9	38,000	<3.3	<3.3	<3.3	<3.7
Fluoranthene	40,000,000	600,000	500,000	<3.5	26	<3.5	24
Fluorene	40,000,000	600,000	100,000	<4.1	<4	<4.1	<4.6
Indeno(1,2,3-cd)pyrene	3,900	88	500,000	<3	6.1 Q	<3	7.1 Q
Naphthalene	110,000	20,000	400	21	26	19	17 Q
Phenanthrene	390,000	18,000	1,800	<3.6	14	<3.6	12 Q
Pyrene	30,000,000	500,000	8,700,000	3.1 Q	22	<3	22
Metals (mg/kg)							
Arsenic	1.6	0.039	--	3.0	3.4	3.4	7.6
Barium	--	--	--	110	120	110	200
Cadmium	--	--	--	0.44	0.34	0.37	<0.069
Chromium	200	14	--	26	29	25	27
Lead	500	50	--	5.9	6.9	7.7	56
Mercury	--	--	--	0.012	0.017	0.012	0.087
Selenium	--	--	--	<0.98	<0.96	<0.98	<1.1
Silver	--	--	--	<0.29	<0.28	<0.29	<0.32

Footnotes on Page 3.

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Table 4 Summary of PAHs and Metals Analytical Results for Soil Excavation Confirmation Samples and Comparison to Applicable WDNR Criteria, Holy Family Church Parking Lot, Fond du Lac, Wisconsin.

	Concentration exceeds the Non-Industrial Direct Contact RCL.
	Concentration exceeds the Industrial Direct Contact RCL.
BOLD	Concentration exceeds Groundwater Pathway.
mg/kg	Milligrams per kilogram.
µg/kg	Micrograms per kilogram.
DC IND	WDNR proposed and NR 720 industrial direct contact RCLs.
DC NON-IND	WDNR proposed and NR 720 non-industrial direct contact RCLs.
GW Pathway	WDNR proposed and NR 720 groundwater pathway RCLs.
Q	Concentration between limit of detection and limit of quantitation.

TABLE 5
SOIL ANALYTICAL RESULTS
FORMER MANOWSKE WELDING AND HOLY FAMILY CHURCH
OSHKOSH, WISCONSIN
STS PROJECT NO. 200704507

					Former Manowske Welding		Holy Family Church															
	Generic RCLs			NR 746 Soil	MW-MW-5		HF-MW-1		HF-MW-2		HF-MW-3		HF-MW-4		HF-MW-5		GP-28		GP-29		GP-30	
	Direct Contact Pathway		Groundwater	Screening	2 - 4'	6 - 8'	2 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	8 - 10'	1 - 4'	8 - 10'	1 - 4'	8 - 10'
Parameters	Non-Industrial	Industrial	Pathway	Levels	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007
Metals (mg/kg)																						
Arsenic	0.039 [E]	1.6 [E]	0.58	–	NA	NA	**3.0 "J"** [B]	<2.0	**1.4** [C]	**1.3** [C]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**6.3** [C]	<2.0	**6.1** [C]	<2.0
Barium	3,130	2.4×10^5	3,300	–	NA	NA	16	110	110	120	76	110	96	100	110	120	90	110	22	100	18	90
Cadmium	8.0 [E]	510 [E]	1.5	–	NA	NA	0.16 "J"	0.25 "J"	0.18 "J"	0.23 "J"	0.25 "J"	0.27	0.33	0.25 "J"	0.22 "J"	0.24 "J"	0.42	0.29	0.39	0.23 "J"	0.23 "J"	0.24 "J"
Chromium	16,000 [E]	1.53×10^6	–	–	NA	NA	6.9 [C]	25	29	28	27	24	23	28	30	24	21	26	5.7	25	3.9	23
Lead	50 [E]	500 [E]	–	–	NA	NA	5.0	13	7.2	9.9	5.4	5.1	5.9	5.3	5.6	4.6	35	7.6	5.8	7.3	4.8	11
Selenium	78.2	5,110	1.0	–	NA	NA	<2.3	<2.3	**8.1** [C]	**6.5** [C]	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	3.5 "J"	<2.3	<2.3	<2.3	<2.3	<2.3
Silver	78.2	5,110	1.67	–	NA	NA	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Mercury	–	–	0.42	–	NA	NA	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.11	<0.0015	0.065	<0.0015	<0.0015	<0.0015
VOCs (µg/kg)																						
Benzene	1,100 [E]	52,000	5.5 [E]	8,500	<25	<25	<25	<25	<25	<25	<25	<25	**63 "J"** [C]	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromobenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromochloromethane	–	–	–	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1,030	46,200	0.24	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromoform	8,090	362,000	2.0	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane	21,900	1,430,000	4.0	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	91	<25	<25	<25	<25	390	<25	272	<25	<25
tert-Butylbenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
n-Butylbenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	282	<25	<25	<25	<25	590	<25	930	<25	33 "J"
Carbon tetrachloride	491	22,000	5.0	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chloroform	10,500	469,000	2.0	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chlorobenzene	313,000	20,400,000	150	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chlorodibromomethane	760	34,100	24	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chloromethane	4,910	220,000	1.0	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chlorotoluene	313,000	20,400,000	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromo-3-chloropropane	46	2,040	0.1	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane	31.9	1,430	0.033	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Dibromomethane	156,000	10,200,000	–	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	2,660	119,000	110	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	702 [E]	31,400	4.9 [E]	600	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	1,410,000	92,000,000	1,800	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	782,000	51,100,000	10	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	156,000	10,200,000	55	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane	3,130,000	204,000,000	21,918	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	313,000	20,400,000	98	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	939	42,100	1.9	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	3,130,000	204,000,000	349	–	<25	40 "J"	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3-Dichloropropane	313,000	20,400,000	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
2,2-Dichloropropane	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloropropene	–	–	–	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	–	–	–	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	–	–	–	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl ether	6,260,000	409,000,000	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Ethylbenzene	1,560,000	102,000,000	2,900 [E]	4,600	<25	<25	<25	<25	<25	<25	<25	<25	88	<25	<25	<25	<25	<25	<25	163	<25	<25
Trichlorofluoromethane	4,690,000	307,000,000	9,264	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	819	36,700	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Isopropylbenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	195	<25	<25	<25	<25	70	<25	390	<25	<25
p-Isopropyltoluene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methylene chloride	8,520	382,000	1.6	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl-ether	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Naphthalene	60,000 [E]	4,000,000 [E]	400 [E]	2,700	<25	<25	<25	<25	42 "J"	<25	<25	<25	**560** [C]	<25	<25	<25	<25	<25	<25	**530** [C]	50 "J"	<25
n-Propylbenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	800	<25	<25	<25	<25	98	<25	1840	<25	<25
Styrene	3,130,000	204,000,000	370	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	319	14,300	0.09	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	2,460	110,000	157	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	1,230	55,000	4.1	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Toluene	1,250,000	81,800,000	1,500 [E]	38,000	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	–	–	–	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	50,000	350,000	3,000	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	3,130,000	204,000,000	280	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	1,120	50,200	1.9	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	782,000	51,100,000	7573	–	<25	<25	<25	<25	<25	<25	<25	<25	92	<25	<25	<25	<25	<25	<25	103	<25	<25
Trichloroethene	160	7,150	3.7	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	9.12	409	0.0076	–	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	29,000	200,000	2,100	–	<25	<25	<25	<25	<25	<25	<25	<25	58	<25	<25	<25	<25	<25	<25	40 "J"	<25	<25
Vinyl chloride	42.6	1,910	0.13	–	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Xylenes, total	3,130,000	204,000,000	4,100 [E]	42,000	<75	<75	<75	<75	<75	<75	<75	<75	260 "J"	<75	<75	<75	<75	<75	<75	<75	<75	<75

TABLE 5
SOIL ANALYTICAL RESULTS
FORMER MANOWSKE WELDING AND HOLY FAMILY CHURCH
OSHKOSH, WISCONSIN
STS PROJECT NO. 200704507

	Generic RCLs			NR 746 Soil	MW-MW-5		HF-MW-1		HF-MW-2		HF-MW-3		HF-MW-4		HF-MW-5		GP-28		GP-29		GP-30	
	Direct Contact Pathway		Groundwater	Screening	2 - 4'	6 - 8'	2 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	8 - 10'	1 - 4'	8 - 10'	1 - 4'	8 - 10'
Parameters	Non-Industrial	Industrial	Pathway	Levels	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007
PAHs (µg/kg) [F]																						
Acenaphthene	900,000	60,000,000	38,000	–	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	9.2 "J"	<7.2	<7.2	<7.2	<7.2	<7.2
Acenaphthylene	18,000	360,000	700	–	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	18.8 "J"
Anthracene	5,000,000	300,000,000	3,000,000	–	<14	<14	<14	<14	18.5 "J"	<14	<14	<14	<14	<14	<14	<14	40 "J"	<14	<14	<14	<14	40 "J"
Benzo(a)anthracene	88	3,900	17,000	–	34 "J"	<15	44 "J"	<15	44 "J"	<15	19.2 "J"	<15	<15	<15	<15	<15	**138** [A]	22.6 "J"	25.3 "J"	<15	35 "J"	**183** [A]
Benzo(a)pyrene	8.8	390	48,000	–	**37 "J"** [A]	<15	**59** [A]	<15	**36 "J"** [A]	<15	<15	<15	<15	<15	<15	<15	**128** [A]	<15	**30.1 "J"** [A]	<15	**52** [A]	**197** [A]
Benzo(b)fluoranthene	88	3,900	360,000	–	55	<8.1	85	<8.1	53	<8.1	18.4 "J"	<8.1	<8.1	<8.1	15 "J"	14.6 "J"	**173** [A]	19.2 "J"	33	<8.1	**118** [A]	**184** [A]
Benzo(ghi)perylene	1,800	39,000	6,800,000	–	20.4 "J"	<14	55	<14	29.6 "J"	<14	<14	<14	<14	<14	<14	<14	77	<14	32 "J"	<14	22.2 "J"	64
Benzo(k)fluoranthene	880	39,000	870,000	–	16.7 "J"	<11	35 "J"	<11	20.1 "J"	<11	<11	<11	<11	<11	<11	<11	59	<11	<11	<11	30.6 "J"	66
Chrysene	8,800	390,000	37,000	–	52	<13	56	<13	51	<13	15.2 "J"	<13	<13	<13	<13	<13	155	17 "J"	46	<13	134	143
Dibenzo(a,h,)anthracene	8.8	390	38,000	–	<11	<11	**12.3 "J"** [A]	<11	<11	<11	<11	<11	<11	<11	<11	<11	**18.1 "J"** [A]	<11	<11	<11	<11	**17.6 "J"** [A]
Fluroanthene	600,000	40,000,000	500,000	–	86	<13	95	<13	150	<13	32 "J"	<13	<13	<13	<13	<13	330	27.8 "J"	41 "J"	<13	96	137
Fluorene	600,000	40,000,000	100,000	–	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	14.7 "J"	<8.5	9.6 "J"	<8.5	<8.5	<8.5	<8.5	<8.5
Indeno(1,2,3-cd)pyrene	88	3,900	680,000	–	17.7 "J'	<10	51	<10	24.5 "J"	<10	10.2 "J"	<10	<10	<10	<10	<10	**88** [A]	<10	13.9 "J"	<10	16 "J"	72
1-Methylnaphthalene	1,100,000	70,000,000	23,000	–	<13	<13	<13	<13	<13	<13	<13	<13	41	<13	<13	<13	<13	<13	<13	36 "J"	28.7 "J"	<13
2-Methylnaphthalene	600,000	40,000,000	20,000	–	<17	<17	<17	<17	<17	<17	<17	<17	88	<17	<17	<17	<17	<17	<17	26.2 "J"	39 "J"	<17
Naphthalene	20,000	110,000	400	–	<12	<12	<12	<12	<12	<12	<12	<12	184	<12	<12	<12	<12	12.5 "J"	<12	<12	<12	<12
Phenanthrene	18,000	390,000	1,800	–	29.1 "J"	<15	30.3 "J"	<15	88	<15	<15	<15	<15	<15	<15	<15	157	20.4 "J"	39 "J"	<15	107	23.1 "J"
Pyrene	500,000	30,000,000	8,700,000	–	89	<13	82	<13	112	<13	28.3 "J"	<13	<13	<13	<13	<13	279	34 "J"	55	<13	127	236

Notes:
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
[A] Parameter exceeds NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds NR 746 Table 1 Soil Screening Levels
[E] Generic RCL is established under NR 720 or NR 746
[F] Generic RCLs provided in *Soil Cleanup Levels for PAHs Interim Guidance*, WDNR RR-5 1997
– No Generic RCL established.
Generic RCLs not included in Wisconsin Administrative Code or Guidance are calculated from the US EPA Soil Screening Level Web Page and the default values contained in *Determining Residual Contaminant Levels using the EPA Soil Screening Level Web Site* WDNR PUB-RR-682 on May 12, 2006
NA = Not analyzed

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TABLE 7
GROUNDWATER ANALYTICAL RESULTS
HOLY FAMILY
FOND DU LAC, WISCONSIN
STS PROJECT NO. 200704507

Parameters	NR 140 Standards ES	NR 140 Standards PAL	HF-MW-1 11/13/07	HF-MW-1 4/8/08	HF-MW-1 8/1/08	HF-MW-1 12/5/08	HF-MW-1 4/16/09	HF-MW-2 11/13/07	HF-MW-2 4/8/08	HF-MW-2 8/1/08	HF-MW-2 12/5/08	HF-MW-3 11/13/07	HF-MW-3 4/8/08	HF-MW-3 8/1/08	HF-MW-3 12/5/08
Metals (µg/L)															
Arsenic	10	1.0	12	<0.75	<0.6	NA	NA	1.6	<0.75	<0.6	NA	0.94 "J"	1.8	<0.6	NA
Barium	2000	400	200	100	NA	NA	NA	41	42	NA	NA	98	69	NA	NA
Cadmium	5.0	0.5	<1.2	<1.2	NA	NA	NA	0.31 "J"	<1.2	NA	NA	0.32 "J"	<0.24	NA	NA
Chromium	100	10	<1.6	<1.6	NA	NA	NA	0.98 "J"	<1.6	NA	NA	0.88 "J"	<0.32	NA	NA
Lead	15	1.5	<0.44	<1.1	NA	NA	NA	<0.22	<1.1	NA	NA	<0.22	<0.22	NA	NA
Selenium	50	10	3.0 "J"	7.9	397	<0.9	<0.9	<0.43	<2.15	NA	NA	<0.43	3.0	6.12 "J"	<0.9
Silver	50	10	<0.6	6.8	28.1	<44	<10.3	0.29 "J"	1.2	NA	<4.4	0.29 "J"	<0.12	NA	NA
Mercury	2.0	0.2	<0.044	<0.044	NA	NA	NA	<0.044	<0.044	NA	NA	<0.044	<0.044	NA	NA
VOCs (µg/L)															
Benzene	5.0	0.5	<0.47	<0.24	NA	NA	NA	<0.47	<0.24	NA	NA	<0.47	<0.24	NA	NA
Bromobenzene	--	--	<0.36	<0.44	NA	NA	NA	<0.36	<0.44	NA	NA	<0.36	<0.44	NA	NA
Bromochloromethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<0.5	<0.3	NA	NA	NA	<0.5	<0.3	NA	NA	<0.5	<0.3	NA	NA
Bromoform	4.4	0.44	<0.38	<0.7	NA	NA	NA	<0.38	<0.7	NA	NA	<0.38	<0.7	NA	NA
Bromomethane	10	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	--	--	<0.36	<0.73	NA	NA	NA	<0.36	<0.73	NA	NA	<0.36	<0.73	NA	NA
tert-Butylbenzene	--	--	<0.34	<0.32	NA	NA	NA	<0.34	<0.32	NA	NA	<0.34	<0.32	NA	NA
n-Butylbenzene	--	--	<0.52	<0.55	NA	NA	NA	<0.52	<0.55	NA	NA	<0.52	<0.55	NA	NA
Carbon tetrachloride	5.0	0.5	<0.46	<0.3	NA	NA	NA	<0.46	<0.3	NA	NA	<0.46	<0.3	NA	NA
Chloroform	6.0	0.6	<0.48	<0.47	NA	NA	NA	<0.48	<0.47	NA	NA	<0.48	<0.47	NA	NA
Chlorobenzene	100	20	<0.31	<0.39	NA	NA	NA	<0.31	<0.39	NA	NA	<0.31	<0.39	NA	NA
Chlorodibromomethane	60	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	400	80	<0.47	<0.97	NA	NA	NA	<0.47	<0.97	NA	NA	<0.47	<0.97	NA	NA
Chloromethane	3.0	0.3	<1.0	<0.5	NA	NA	NA	<1.0	<0.5	NA	NA	<1.0	<0.5	NA	NA
2-Chlorotoluene	--	--	<0.49	<0.41	NA	NA	NA	<0.49	<0.41	NA	NA	<0.49	<0.41	NA	NA
4-Chlorotoluene	--	--	<0.38	<0.3	NA	NA	NA	<0.38	<0.3	NA	NA	<0.38	<0.3	NA	NA
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.4	<1.7	NA	NA	NA	<1.4	<1.7	NA	NA	<1.4	<1.7	NA	NA
1,2-Dibromoethane	0.05	0.005	<0.49	<0.76	NA	NA	NA	<0.49	<0.76	NA	NA	<0.49	<0.76	NA	NA
Dibromomethane	--	--	NA	NA	NA	NA	NA	NA	<0.4	NA	NA	NA	<0.4	NA	NA
1,3-Dichlorobenzene	1250	125	<0.3	<0.67	NA	NA	NA	<0.3	<0.67	NA	NA	<0.3	<0.67	NA	NA
1,4-Dichlorobenzene	75	15	<0.33	<0.74	NA	NA	NA	<0.33	<0.74	NA	NA	<0.33	<0.74	NA	NA
1,2-Dichloroethane	5.0	0.5	<0.45	<0.41	NA	NA	NA	<0.45	<0.41	NA	NA	<0.45	<0.41	NA	NA
1,2-Dichlorobenzene	600	60	<0.35	<0.88	NA	NA	NA	<0.35	<0.88	NA	NA	<0.35	<0.88	NA	NA
1,1-Dichloroethene	7.0	0.7	<0.64	<0.5	NA	NA	NA	<0.64	<0.5	NA	NA	<0.64	<0.5	NA	NA
cis-1,2-Dichloroethene	70	7.0	<0.68	<0.44	NA	NA	NA	<0.68	<0.44	NA	NA	<0.68	<0.44	NA	NA
Dichlorodifluoromethane	1000	200	<0.46	<0.76	NA	NA	NA	<0.46	<0.76	NA	NA	<0.46	<0.76	NA	NA
trans-1,2-Dichloroethene	100	20	<0.95	<0.61	NA	NA	NA	<0.95	<0.61	NA	NA	<0.95	<0.61	NA	NA
1,2-Dichloropropane	5.0	0.5	<0.47	<0.27	NA	NA	NA	<0.47	<0.27	NA	NA	<0.47	<0.27	NA	NA
1,1-Dichloroethane	850	85	<0.56	<0.59	NA	NA	NA	<0.56	<0.59	NA	NA	<0.56	<0.59	NA	NA
1,3-Dichloropropane	--	--	<0.39	<0.4	NA	NA	NA	<0.39	<0.4	NA	NA	<0.39	<0.4	NA	NA
2,2-Dichloropropane	--	--	<0.98	<0.53	NA	NA	NA	<0.98	<0.53	NA	NA	<0.98	<0.53	NA	NA
1,1-Dichloropropene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene [4]	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene [4]	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl ether	--	--	<1.3	<0.37	NA	NA	NA	<1.3	<0.37	NA	NA	<1.3	<0.37	NA	NA
Ethylbenzene	700	140	<0.38	<0.35	NA	NA	NA	<0.38	<0.35	NA	NA	<0.38	<0.35	NA	NA
Fluorotrichloromethane	3490	698	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	--	--	<1.5	<1.7	NA	NA	NA	<1.5	<1.7	NA	NA	<1.5	<1.7	NA	NA
Isopropylbenzene	--	--	<0.48	<0.6	NA	NA	NA	<0.48	<0.6	NA	NA	<0.48	<0.6	NA	NA
p-Isopropyltoluene	--	--	<0.35	<0.77	NA	NA	NA	<0.35	<0.77	NA	NA	<0.35	<0.77	NA	NA
Methylene chloride	5.0	0.5	<0.69	<0.99	NA	NA	NA	<0.69	<0.99	NA	NA	<0.69	<0.99	NA	NA
Methyl-tert-butyl-ether	60	12	<0.52	<0.7	NA	NA	NA	<0.52	<0.7	NA	NA	<0.52	<0.7	NA	NA
Naphthalene	100	10	<1.8	<1.8	NA	NA	NA	<1.8	<1.8	NA	NA	<1.8	<1.8	NA	NA
n-Propylbenzene	--	--	<0.38	<0.54	NA	NA	NA	<0.38	<0.54	NA	NA	<0.38	<0.54	NA	NA
Styrene	100	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.75	<0.5	NA	NA	NA	<0.75	<0.5	NA	NA	<0.75	<0.5	NA	NA
1,1,1,2-Tetrachloroethane	70	7.0	<0.65	<0.32	NA	NA	NA	<0.65	<0.32	NA	NA	<0.65	<0.32	NA	NA
Tetrachloroethene	5.0	0.5	<0.52	<0.5	NA	NA	NA	<0.52	<0.5	NA	NA	<0.52	<0.5	NA	NA
Toluene	1000	200	<0.46	<0.39	NA	NA	NA	<0.46	<0.39	NA	NA	<0.46	<0.39	NA	NA
1,2,3-Trichlorobenzene	--	--	<1.6	<1.6	NA	NA	NA	<1.6	<1.6	NA	NA	<1.6	<1.6	NA	NA
1,2,4-Trichlorobenzene	70	14	<1.5	<1.1	NA	NA	NA	<1.5	<1.1	NA	NA	<1.5	<1.1	NA	NA
1,1,1-Trichloroethane	200	40	<0.5	<0.28	NA	NA	NA	<0.5	<0.28	NA	NA	<0.5	<0.28	NA	NA
1,1,2-Trichloroethane	5.0	0.5	<0.5	<0.39	NA	NA	NA	<0.5	<0.39	NA	NA	<0.5	<0.39	NA	NA
1,2,4-Trimethylbenzene[1]	480	96	<1.2	<0.51	NA	NA	NA	<1.2	<0.51	NA	NA	<1.2	<0.51	NA	NA
Trichloroethene	5.0	0.5	<0.44	<0.47	NA	NA	NA	<0.44	<0.47	NA	NA	<0.44	<0.47	NA	NA
1,2,3-Trichloropropane	60	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene[1]	480	96	<0.37	<0.23	NA	NA	NA	<0.37	<0.23	NA	NA	<0.37	<0.23	NA	NA
Vinyl chloride	0.2	0.02	<0.2	<0.2	NA	NA	NA	<0.2	<0.2	NA	NA	<0.2	<0.2	NA	NA
Xylenes, -m & -p[2]	10,000	1000	<0.67	<1.0	NA	NA	NA	<0.67	<1.0	NA	NA	<0.67	<1.0	NA	NA
Xylene, -o[2]	10,000	1000	<0.32	<0.67	NA	NA	NA	<0.32	<0.67	NA	NA	<0.32	<0.67	NA	NA

Parameters	HF-MW-4 11/13/07	HF-MW-4 4/8/08	HF-MW-4 8/1/08	HF-MW-4 12/5/08	HF-MW-4 4/16/09	HF-MW-5 11/14/07	HF-MW-5 4/8/08	HF-MW-5 8/1/08	HF-MW-5 12/5/08	HF-MW-5 12/18/08	GP-28 11/14/07	GP-29 11/14/07	GP-30 11/14/07
Metals (µg/L)													
Arsenic	NA	NA	<0.6	<0.6	NA	NA	NA	<0.6	<0.6	NA	NA	NA	NA
Barium	NA	NA	102	10.8 "J"	NA	NA	NA	50	10.5 "J"	NA	NA	NA	NA
Cadmium	NA	NA	1.6	<0.3	NA	NA	NA	<0.3	<0.3	NA	NA	NA	NA
Chromium	NA	NA	<1.2	<1.2	NA	NA	NA	<1.2	<1.2	NA	NA	NA	NA
Lead	NA	NA	<0.7	<0.7	NA	NA	NA	<0.7	<0.7	NA	NA	NA	NA
Selenium	NA	NA	<4.1	<0.9	NA	NA	NA	7.30 "J"	<0.9	NA	NA	NA	NA
Silver	NA	NA	<4.4	<4.4	NA	NA	NA	<4.4	<4.4	NA	NA	NA	NA
Mercury	NA	NA	<0.023	<0.04	NA	NA	NA	<0.023	<0.04	NA	NA	NA	NA
VOCs (µg/L)													
Benzene	<0.47	2.24	5.5	5.4	5.0	<0.47	<0.24	<0.24	<0.24	<0.24	<0.47	<0.47	<0.47
Bromobenzene	NA	NA	<0.44	<0.44	NA	NA	NA	<0.44	<0.44	<0.44	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	<0.3	<0.3	NA	NA	NA	<0.3	1.01	<0.3	NA	NA	NA
Bromoform	NA	NA	<0.7	<0.7	NA	NA	NA	<0.7	<0.7	<0.7	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	<0.73	<0.73	NA	NA	NA	<0.73	<0.73	<0.73	NA	NA	NA
tert-Butylbenzene	NA	NA	<0.32	<0.32	NA	NA	NA	<0.32	<0.32	<0.32	NA	NA	NA
n-Butylbenzene	NA	NA	<0.55	0.91 "J"	NA	NA	NA	<0.55	<0.55	<0.55	NA	NA	NA
Carbon tetrachloride	NA	NA	<0.3	<0.3	NA	NA	NA	<0.3	<0.3	<0.3	NA	NA	NA
Chloroform	NA	NA	<0.47	<0.47	NA	NA	NA	<0.47	5.5	<0.47	NA	NA	NA
Chlorobenzene	NA	NA	<0.39	<0.39	NA	NA	NA	<0.39	<0.39	<0.39	NA	NA	NA
Chlorodibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	<0.97	<0.97	NA	NA	NA	<0.97	<0.97	<0.97	NA	NA	NA
Chloromethane	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	NA	NA	NA
2-Chlorotoluene	NA	NA	<0.41	<0.41	NA	NA	NA	<0.41	<0.41	<0.41	NA	NA	NA
4-Chlorotoluene	NA	NA	<0.3	<0.3	NA	NA	NA	<0.3	<0.3	<0.3	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	<1.7	<1.7	NA	NA	NA	<1.7	<1.7	<1.7	NA	NA	NA
1,2-Dibromoethane	NA	NA	<0.76	<0.76	NA	NA	NA	<0.76	<0.76	<0.76	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	<0.67	<0.67	NA	NA	NA	<0.67	<0.67	<0.67	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	<0.74	<0.74	NA	NA	NA	<0.74	<0.74	<0.74	NA	NA	NA
1,2-Dichloroethane	2.08	2.18	<0.41	<0.41	NA	<0.45	<0.41	<0.41	<0.41	<0.41	<0.45	<0.45	<0.45
1,2-Dichlorobenzene	NA	NA	<0.88	<0.88	NA	NA	NA	<0.88	<0.88	<0.88	NA	NA	NA
1,1-Dichloroethene	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	<0.44	<0.44	NA	NA	NA	<0.44	<0.44	<0.44	NA	NA	NA
Dichlorodifluoromethane	NA	NA	<0.76	<0.76	NA	NA	NA	<0.76	<0.76	<0.76	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	<0.61	<0.61	NA	NA	NA	<0.61	<0.61	<0.61	NA	NA	NA
1,2-Dichloropropane	NA	NA	<0.27	<0.27	NA	NA	NA	<0.27	<0.27	<0.27	NA	NA	NA
1,1-Dichloroethane	NA	NA	<0.59	<0.59	NA	NA	NA	<0.59	<0.59	<0.59	NA	NA	NA
1,3-Dichloropropane	NA	NA	<0.4	<0.4	NA	NA	NA	<0.4	<0.4	<0.4	NA	NA	NA
2,2-Dichloropropane	NA	NA	<0.53	<0.53	NA	NA	NA	<0.53	<0.53	<0.53	NA	NA	NA
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene [4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene [4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl ether	NA	NA	<0.37	<0.37	NA	NA	NA	<0.37	<0.37	<0.37	NA	NA	NA
Ethylbenzene	<0.38	2.3	12.9	36	4.6	<0.38	<0.35	<0.35	<0.35	<0.35	<0.38	<0.38	<0.38
Fluorotrichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	<1.7	<1.7	NA	NA	NA	<1.7	<1.7	<1.7	NA	NA	NA
Isopropylbenzene	NA	NA	1.08 "J"	2.95	NA	NA	NA	<0.6	<0.6	<0.6	NA	NA	NA
p-Isopropyltoluene	NA	NA	<0.77	<0.77	NA	NA	NA	<0.77	<0.77	<0.77	NA	NA	NA
Methylene chloride	NA	NA	<0.99	<0.99	NA	NA	NA	<0.99	<0.99	<0.99	NA	NA	NA
Methyl-tert-butyl-ether	<0.52	<0.7	<0.7	<0.7	<0.42	<0.52	<0.7	<0.7	<0.7	<0.7	<0.52	<0.52	<0.52
Naphthalene	NA	NA	<1.8	4.3 "J"	NA	NA	NA	<1.8	<1.8	<1.8	NA	NA	NA
n-Propylbenzene	NA	NA	1.76	7.5	NA	NA	NA	<0.54	<0.54	<0.54	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	NA	NA	NA
1,1,1,2-Tetrachloroethane	NA	NA	<0.32	<0.32	NA	NA	NA	<0.32	<0.32	<0.32	NA	NA	NA
Tetrachloroethene	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	NA	NA	NA
Toluene	<0.46	<0.39	<0.39	<0.39	0.92 "J"	<0.46	<0.39	<0.39	0.41 "J"	<0.39	<0.46	<0.46	<0.46
1,2,3-Trichlorobenzene	NA	NA	<1.6	<1.6	NA	NA	NA	<1.6	<1.6	<1.6	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	<1.1	<1.1	NA	NA	NA	<1.1	<1.1	<1.1	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	<0.28	<0.28	NA	NA	NA	<0.28	<0.28	<0.28	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	<0.39	<0.39	NA	NA	NA	<0.39	<0.39	<0.39	NA	NA	NA
1,2,4-Trimethylbenzene[1]	<1.2	1.29 "J"	3.0	20.5	1.26 "J"	<1.2	<0.51	<0.51	<0.51	NA	<1.2	<1.2	<1.2
Trichloroethene	NA	NA	<0.47	<0.47	NA	NA	NA	<0.47	<0.47	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene[1]	<0.37	0.82	1.75	<0.23	0.70 "J"	<0.37	<0.23	<0.23	<0.23	NA	<0.37	<0.37	<0.37
Vinyl chloride	NA	NA	<0.2	<0.2	NA	NA	NA	<0.2	<0.2	NA	NA	NA	NA
Xylenes, -m & -p[2]	<0.67	2.27 "J"	4.9	23.2	1.68 "J"	<0.67	<1.0	<1.0	<1.0	NA	<0.67	<0.67	<0.67
Xylene, -o[2]	<0.32	<0.67	<0.67	<0.67	0.95 "J"	<0.32	<0.67	<0.67	<0.67	NA	<0.32	<0.32	<0.32

TABLE 7
GROUNDWATER ANALYTICAL RESULTS
HOLY FAMILY
FOND DU LAC, WISCONSIN
STS PROJECT NO. 200704507

Parameters	NR 140 Standards ES	NR 140 Standards PAL	HF-MW-1 11/13/07	HF-MW-1 4/8/08	HF-MW-1 8/1/08	HF-MW-1 12/5/08	HF-MW-1 4/16/09	HF-MW-2 11/13/07	HF-MW-2 4/8/08	HF-MW-2 8/1/08	HF-MW-2 12/5/08
PAHs (µg/L)											
Acenaphthene	--	--	<0.015	<0.013	NA	NA	NA	<0.015	<0.013	<0.013	NA
Acenaphthylene	--	--	<0.016	<0.015	NA	NA	NA	<0.016	<0.015	<0.015	NA
Anthracene	3000	600	<0.013	<0.014	NA	NA	NA	<0.013	<0.014	<0.014	NA
Benzo(a)anthracene	--	--	<0.015	<0.017	NA	NA	NA	<0.015	0.117	<0.017	NA
Benzo(a)pyrene	0.2	0.02	<0.015	<0.016	NA	NA	NA	<0.015	**0.24**	<0.016	NA
Benzo(b)fluoranthene	0.2	0.02	<0.014	<0.01	NA	NA	NA	<0.014	**0.57**	<0.01	NA
Benzo(ghi)perylene	--	--	<0.015	<0.02	NA	NA	NA	<0.015	0.33	<0.02	NA
Benzo(k)fluoranthene	--	--	<0.023	<0.023	NA	NA	NA	<0.023	0.138	<0.023	NA
Chrysene	0.2	0.02	<0.016	<0.02	NA	NA	NA	<0.016	**0.32**	<0.02	NA
Dibenzo(a,h,)anthracene	--	--	<0.015	<0.012	NA	NA	NA	<0.015	0.075	<0.012	NA
Fluroanthene	400	80	<0.015	<0.016	NA	NA	NA	<0.015	0.47	<0.016	NA
Fluorene	400	80	<0.019	<0.015	NA	NA	NA	<0.019	<0.015	<0.015	NA
Indeno(1,2,3-cd)pyrene	--	--	<0.014	<0.013	NA	NA	NA	<0.014	0.251	<0.013	NA
1-Methylnaphthalene	--	--	<0.018	<0.018	NA	NA	NA	<0.018	<0.018	<0.018	NA
2-Methylnaphthalene	--	--	<0.021	<0.016	NA	NA	NA	<0.021	<0.016	<0.016	NA
Naphthalene	100	10	<0.018	<0.015	NA	NA	NA	<0.018	<0.015	<0.015	NA
Phenanthrene	--	--	<0.017	<0.017	NA	NA	NA	<0.017	0.132	<0.017	NA
Pyrene	250	50	<0.015	<0.016	NA	NA	NA	<0.015	0.37	<0.016	NA

Parameters	HF-MW-3 11/13/07	HF-MW-3 4/8/08	HF-MW-3 8/1/08	HF-MW-3 12/5/08	HF-MW-4 11/13/07	HF-MW-4 4/8/08	HF-MW-4 8/1/08	HF-MW-4 12/5/08	HF-MW-4 4/16/09
PAHs (µg/L)									
Acenaphthene	<0.015	<0.013	NA	NA	NA	NA	<0.013	<0.013	NA
Acenaphthylene	<0.016	<0.015	NA	NA	NA	NA	<0.015	<0.015	NA
Anthracene	<0.013	<0.014	NA	NA	NA	NA	<0.014	<0.014	NA
Benzo(a)anthracene	<0.015	<0.017	NA	NA	NA	NA	<0.017	<0.017	NA
Benzo(a)pyrene	<0.015	<0.016	NA	NA	NA	NA	<0.016	<0.016	NA
Benzo(b)fluoranthene	<0.014	<0.01	NA	NA	NA	NA	<0.01	<0.01	NA
Benzo(ghi)perylene	<0.015	<0.02	NA	NA	NA	NA	<0.02	<0.02	NA
Benzo(k)fluoranthene	<0.023	<0.023	NA	NA	NA	NA	<0.023	<0.023	NA
Chrysene	<0.016	<0.02	NA	NA	NA	NA	<0.02	<0.02	NA
Dibenzo(a,h,)anthracene	<0.015	<0.012	NA	NA	NA	NA	<0.012	<0.012	NA
Fluroanthene	<0.015	<0.016	NA	NA	NA	NA	<0.016	<0.016	NA
Fluorene	<0.019	<0.015	NA	NA	NA	NA	<0.015	<0.015	NA
Indeno(1,2,3-cd)pyrene	<0.014	<0.013	NA	NA	NA	NA	<0.013	<0.013	NA
1-Methylnaphthalene	<0.018	<0.018	NA	NA	NA	NA	0.071	<0.018	NA
2-Methylnaphthalene	<0.021	<0.016	NA	NA	NA	NA	0.118	0.025 "J"	NA
Naphthalene	<0.018	<0.015	NA	NA	NA	NA	1.27	0.036 "J"	NA
Phenanthrene	<0.017	<0.017	NA	NA	NA	NA	<0.017	<0.017	NA
Pyrene	<0.015	<0.016	NA	NA	NA	NA	<0.016	<0.016	NA

Parameters	HF-MW-5 11/14/07	HF-MW-5 4/8/08	HF-MW-5 8/1/08	HF-MW-5 12/5/08	HF-MW-5 12/18/08	GP-28 11/14/07	GP-29 11/14/07	GP-30 11/14/07
PAHs (µg/L)								
Acenaphthene	NA	NA	<0.013	<0.013	NA	NA	NA	NA
Acenaphthylene	NA	NA	<0.015	<0.015	NA	NA	NA	NA
Anthracene	NA	NA	<0.014	<0.014	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	<0.017	<0.017	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	<0.016	<0.016	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	<0.01	<0.01	NA	NA	NA	NA
Benzo(ghi)perylene	NA	NA	<0.02	<0.02	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	<0.023	<0.023	NA	NA	NA	NA
Chrysene	NA	NA	<0.02	<0.02	NA	NA	NA	NA
Dibenzo(a,h,)anthracene	NA	NA	<0.012	<0.012	NA	NA	NA	NA
Fluroanthene	NA	NA	<0.016	<0.016	NA	NA	NA	NA
Fluorene	NA	NA	<0.015	<0.015	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	<0.013	<0.013	NA	NA	NA	NA
1-Methylnaphthalene	NA	NA	<0.018	<0.018	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	<0.016	0.019 "J"	NA	NA	NA	NA
Naphthalene	NA	NA	<0.015	0.029 "J"	NA	NA	NA	NA
Phenanthrene	NA	NA	<0.017	<0.017	NA	NA	NA	NA
Pyrene	NA	NA	<0.016	<0.016	NA	NA	NA	NA

Notes:
VOCs = Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
[1] Standards are for 1,2,4- and 1,3,5-Trimethylbenzene combined.
[2] Standards are for Total Xylenes (-m, -p and -o).
Bold value = NR 140 Enforcement Standard Exceedance
Underline value = NR 140 WAC Preventive Action Limit Exceedance
-- No NR 140 ES or PAL established.
NA = Not analyzed

TABLE 8
FIELD DATA - GROUNDWATER
HOLY FAMILY / MANOWSKE
STS PROJECT NO. 200704507

Well I.D.	Date	Ground Surface Elevation (Feet)	TPVC Elevation (Feet)	Screen Interval (Feet bgs)	Screen Interval Elevation (Feet)	Depth to Water below TPVC (Feet)	Groundwater Elevation (Feet)	Temp (C)	pH (Units)	Conductivity (umhos/cm)
MM-MW-5	11/13/07	750.45	750.13	5-15	745.45-735.45	7.65	742.48	14.1	7.43	1715
	4/8/08					6.25	743.88	--	--	--
	8/1/08					6.85	743.28	--	--	--
	12/5/08					6.94	743.19	--	--	--
	4/16/09					6.56	743.57	--	--	--
HF-MW-1	11/13/07	749.20	748.81	5-15	744.2-734.20	7.99	740.82	15.4	6.82	--
	4/8/08					4.41	744.40	--	--	--
	8/1/08					4.61	744.20	19.4	7.06	2000
	12/5/08					4.75	744.06	7.0	7.62	2137
	4/16/09					4.72	744.09	--	--	--
HF-MW-2	11/13/07	748.80	748.45	5-15	743.80-733.80	5.12	743.33	14.9	7.16	2770
	4/8/08					3.74	744.71	--	--	--
	8/1/08					7.00	741.45	--	7.14	3.81
	12/5/08					4.21	744.24	7.1	7.10	2880
	4/16/09					3.78	744.67	--	--	--
HF-MW-3	11/13/07	749.32	748.94	5-15	744.32-734.32	4.39	744.55	14.6	7.39	1795
	4/8/08					3.90	745.04	--	--	--
	8/1/08					3.68	745.26	--	7.34	1763
	12/5/08					4.03	744.91	7.2	7.15	1750
	4/16/09					4.15	744.79	--	--	--
HF-MW-4	11/13/07	749.38	748.98	5-15	744.38-733.88	4.67	744.31	14.7	7.19	2110
	4/8/08					4.20	744.78	--	--	--
	8/1/08					4.05	744.93	--	7.06	2.51
	12/5/08					4.55	744.43	7.5	7.76	2201
	4/16/09					4.20	744.78	--	--	--
HF-MW-5	11/14/07	748.59	748.42	5-15	743.59-733.59	14.15	734.27	12.8	7.22	3400
	4/8/08					3.70	744.72	--	--	--
	8/1/08					2.24	746.18	--	7.97	4.970
	12/5/08					3.35	745.07	7.2	7.90	3312
	4/16/09					2.49	745.93	--	--	--
GP-28	11/14/07	--	--	--	--	10.74	--	--	--	--
GP-29	11/14/07	--	--	--	--	7.41	--	--	--	--
GP-30	11/14/07	--	--	--	--	6.30	--	--	--	--

Notes:
-- = Not Recorded

RIGHT-OF-WAY

September 30, 2009

Mr. Richard E. Goding, P.E.
City Engineer
City of Fond du Lac
160 South Macy Street
Fond du Lac, Wisconsin 54936

Re: Notification of Potential for Residual Petroleum Impacts to Remain on City of Fond du Lac Right-of-Way Adjoining the Former Holy Family Church Parking Lot Property, 26 Follett Street, Fond du Lac, Wisconsin -- WDNR VPLE No. 06-20-547928 – WDNR BRRTs No. 02-20-547886
AECOM Project No. 13200-002

Dear Mr. Goding:

On behalf of the property owner, BRIC (Johnson/Main) Associates LLC (BRIC), AECOM is has prepared this notification for the Former Holy Family Church Parking Lot located at 26 Follett Street, Fond du Lac, Wisconsin. Figure 1 depicts the location of the above referenced site. This notification is being submitted in accordance with requirements in Wisconsin Administrative Code Chapter NR 726.

With this letter, the BRIC is notifying the City of Fond du Lac that there is a potential for petroleum-impacted soil to exist within the City of Fond du Lac right-of way (ROW) for Macy Street, adjacent to the BRIC property. The attached RCL Exceedences figure depicts the approximate extent of soil impacts. The attached Table 5 is a summary of soil concentrations and the attached Figure 3 depicts extent of RCL Exceedences.

If you have any questions or comments, please contact Mr. Andrew Mott (AECOM) in Oshkosh, Wisconsin, at (920) 235-6713. A copy of this letter will be provided the Wisconsin Department of Natural Resources.

Sincerely,

Andrew G. Mott, P.G., C.P.G.
Project Hydrogeologist

Albert Cole, Section Leader
Senior Program Manager

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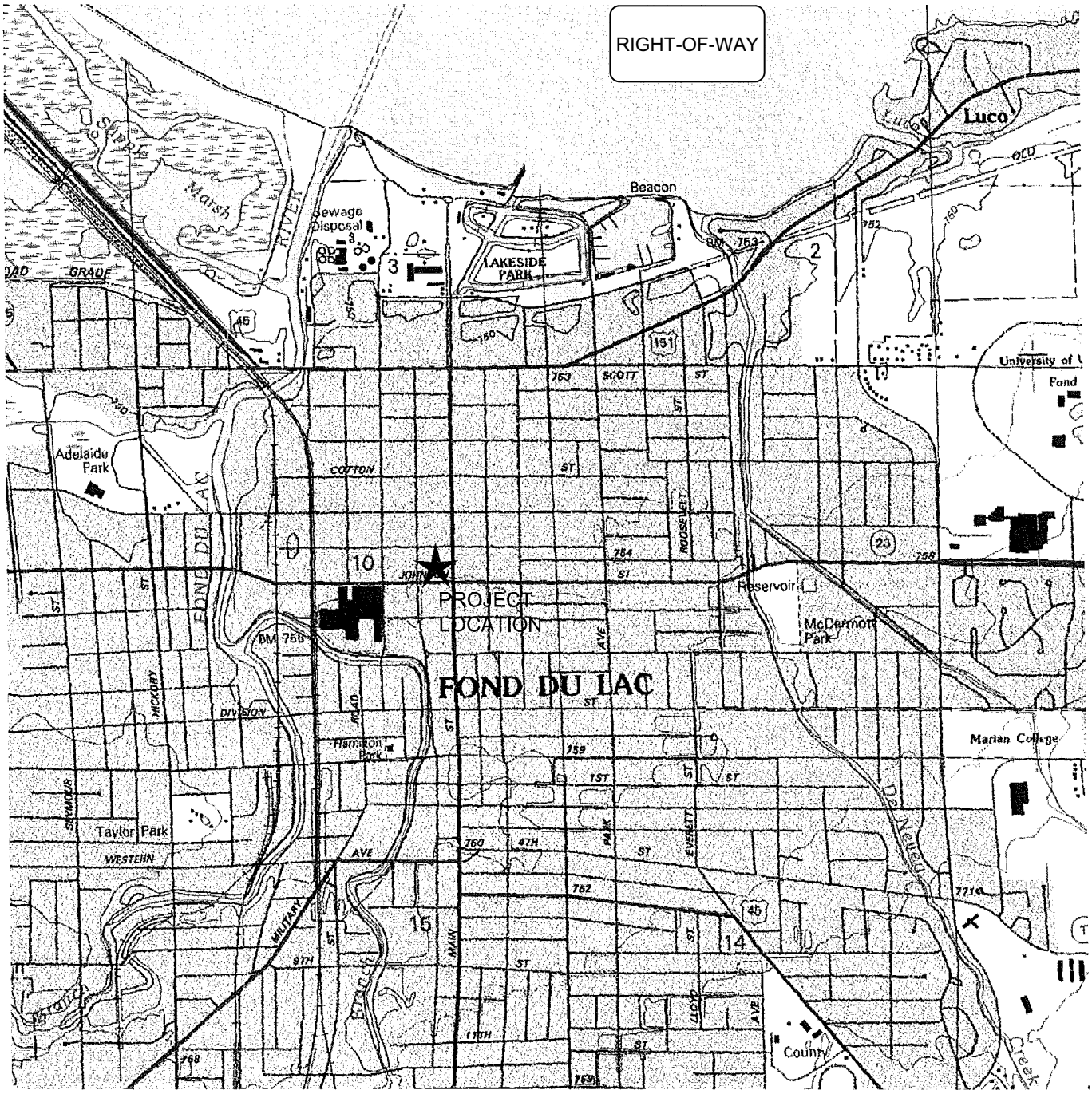
Attachments:
- Figure 1
- Figure 3
- Table 5 – Soil Analytical Results



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SITE LOCATION MAP
HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn:	MAS	9/12/2008
Checked:	BAL	9/12/2008
Approved:	BAL	9/12/2008
PROJECT NUMBER	200704507	
FIGURE NUMBER	1	

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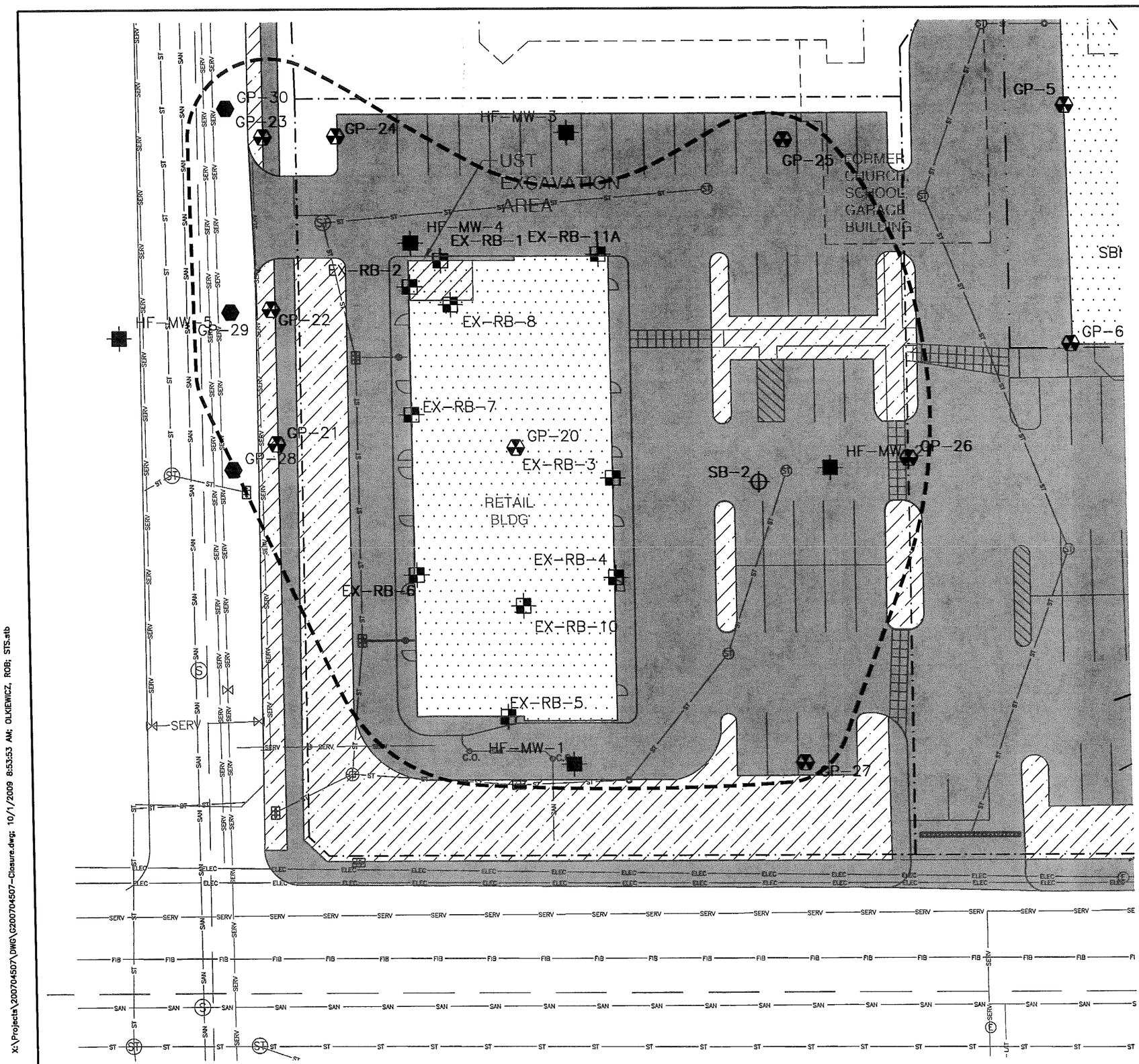

LEGEND

	PROPERTY BOUNDARY
	FORMER MANOWSKE WELDING PROPERTY BOUNDARY
	RAZED BUILDINGS
SERV	EXISTING WATER SERVICE
GAS	EXISTING UNDERGROUND GAS
ST	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
FIB	EXISTING UNDERGROUND FIBER OPTIC LINE
MW-1D	ARCADIS MONITORING WELL
SB-2	ARCADIS SOIL BORING
SBM-2	STS SOIL BORING
TANK 5-NORTH	ARCADIS UST CLOSURE ASSESSMENT CONFIRMATION SAMPLE
MW-13	STS MONITORING WELL LOCATION - GEORGETOWN
HF-MW-4	STS MONITORING WELL LOCATION - HOLY FAMILY
MW-MW-5	STS MONITORING WELL LOCATION - MANOWSKE WELDING
GP-29	STS GEOPROBE LOCATION
GP-8	ARCADIS GEOPROBE
	EXISTING SAN. MANHOLE
	EXISTING STRM. MANHOLE
	EXISTING TRAFFIC MANHOLE
	UNDERGROUND STORAGE TANK
	PAVEMENT (ASPHALT CAP)
	GREEN SPACE (LANDSCAPE CAP)
	BUILDING
	EXTENT OF RCL EXCEEDENCES

N

30 0 30 60

1" = 30'

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RCL EXCEEDANCES
FORMER HOLY FAMILY CHURCH PARKING LOT
26 FOLLETT STREET
FOND DU LAC, WISCONSIN

Drawn :	REO	9/30/2009
Checked:	AGM	9/30/2009
Approved:		
PROJECT NUMBER	200704507	
FIGURE NUMBER	3	

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TABLE 5
SOIL ANALYTICAL RESULTS
FORMER MANOWSKE WELDING AND HOLY FAMILY CHURCH
OSHKOSH, WISCONSIN
STS PROJECT NO. 200704507

	Generic RCLs			NR 746 Soil	Former Manowske Welding		Holy Family Church															
	Direct Contact Pathway		Groundwater	Screening	MW-MW-5		HF-MW-1		HF-MW-2		HF-MW-3		HF-MW-4		HF-MW-5		GP-28		GP-29		GP-30	
Parameters	Non-Industrial	Industrial	Pathway	Levels	2 - 4' 9/26/2007	6 - 8' 9/26/2007	2 - 4' 9/26/2007	6 - 8' 9/26/2007	1 - 4' 9/26/2007	6 - 8' 9/26/2007	1 - 4' 9/26/2007	6 - 8' 9/26/2007	1 - 4' 9/26/2007	6 - 8' 9/26/2007	1 - 4' 9/26/2007	6 - 8' 9/26/2007	1 - 4' 9/26/2007	8 - 10' 9/26/2007	1 - 4' 9/26/2007	8 - 10' 9/26/2007	1 - 4' 9/26/2007	8 - 10' 9/26/2007
Metals (mg/kg)																						
Arsenic	0.039 [E]	1.6 [E]	0.58	--	NA	NA	3.0 "J" [D]	<2.0	1.4 [C]	1.3 [C]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	6.3 [C]	<2.0	6.1 [C]	<2.0
Barium	3,130	2.4 x 10[5]	3,300	--	NA	NA	16	110	110	120	76	110	96	100	110	120	90	110	22	100	18	90
Cadmium	8.0 [E]	510 [E]	1.5	--	NA	NA	0.16 "J"	0.25 "J"	0.18 "J"	0.23 "J"	0.25 "J"	0.27	0.33	0.25 "J"	0.22 "J"	0.24 "J"	0.42	0.29	0.39	0.23 "J"	0.23 "J"	0.24 "J"
Chromium	16,000 [E]	1.53 x 10[6]	--	--	NA	NA	8.9 [C]	25	29	28	27	24	23	28	30	24	21	26	5.7	25	3.9	23
Lead	50 [E]	500 [E]	--	--	NA	NA	5.0	13	7.2	9.9	5.4	5.1	5.9	5.3	5.6	4.6	35	7.6	5.8	7.3	4.8	11
Selenium	78.2	5,110	1.0	--	NA	NA	<2.3	<2.3	8.1 [C]	8.5 [C]	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	3.5 "J"	<2.3	<2.3	<2.3	<2.3	<2.3
Silver	78.2	5,110	1.67	--	NA	NA	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Mercury	--	--	0.42	--	NA	NA	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.11	<0.0015	0.065	<0.0015	<0.0015	<0.0015
VOCs (µg/kg)																						
Benzene	1,100 [E]	52,000	5.5 [E]	8,500	<25	<25	<25	<25	<25	<25	<25	<25	63 "J" [C]	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromobenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromochloromethane	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1,030	46,200	0.24	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<26	<25	<25	<25	<25	<25
Bromoform	8,090	362,000	2.0	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane	21,900	1,430,000	4.0	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	91	<25	<25	<25	<25	390	<25	272	<25	<25
tert-Butylbenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
n-Butylbenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	282	<25	<25	<25	<25	590	<25	930	<25	33 "J"
Carbon tetrachloride	491	22,000	5.0	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chloroform	10,500	469,000	2.0	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chlorobenzene	313,000	20,400,000	150	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chlorodibromomethane	760	34,100	24	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chloromethane	4,910	220,000	1.0	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chlorotoluene	313,000	20,400,000	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromo-3-chloropropane	46	2,040	0.1	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane	31.9	1,430	0.033	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Dibromomethane	156,000	10,200,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	2,660	119,000	110	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	702 [E]	31,400	4.9 [E]	600	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	1,410,000	92,000,000	1,800	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	782,000	51,100,000	10	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	156,000	10,200,000	55	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane	3,130,000	204,000,000	21,918	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	313,000	20,400,000	98	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	939	42,100	1.9	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	3,130,000	204,000,000	349	--	<25	40 "J"	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3-Dichloropropane	313,000	20,400,000	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
2,2-Dichloropropane	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloropropene	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl ether	6,260,000	409,000,000	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Ethylbenzene	1,560,000	102,000,000	2,900 [E]	4,600	<25	<25	<25	<25	<25	<25	<25	<25	88	<25	<25	<25	<25	<25	<25	163	<25	<25
Trichlorofluoromethane	4,690,000	307,000,000	9,264	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	619	38,700	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Isopropylbenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	195	<25	<25	<25	<25	70	<25	390	<25	<25
p-Isopropyltoluene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methylene chloride	8,520	382,000	1.6	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl-ether	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Naphthalene	80,000 [E]	4,000,000 [E]	400 [E]	2,700	<25	<25	<25	<25	42 "J"	<25	<25	<25	580 [C]	<25	<25	<25	<25	<25	<25	530 [C]	50 "J"	<25
n-Propylbenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	800	<25	<25	<25	<25	98	<25	1840	<25	<25
Styrene	3,130,000	204,000,000	370	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	319	14,300	0.09	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,1,2-Tetrachloroethane	2,460	110,000	157	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	1,230	55,000	4.1	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Toluene	1,250,000	81,800,000	1,500 [E]	38,000	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	--	--	--	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	50,000	350,000	3,000	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	3,130,000	204,000,000	280	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	1,120	50,200	1.9	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	782,000	51,100,000	7573	--	<25	<25	<25	<25	<25	<25	<25	<25	92	<25	<25	<25	<25	<25	<25	103	<25	<25
Trichloroethene	160	7,150	3.7	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,3-Trichloropropane	9.12	408	0.0076	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	28,000	200,000	2,100	--	<25	<25	<25	<25	<25	<25	<25	<25	58	<25	<25	<25	<25	<25	<25	40 "J"	<25	<25
Vinyl chloride	42.8	1,910	0.13	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Xylenes, total	3,130,000	204,000,000	4,100 [E]	42,000	<75	<75	<75	<75	<75	<75	<75	<75	260 "J"	<75	<75	<75	<75	<75	<75	<75	<75	<75

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TABLE 5
SOIL ANALYTICAL RESULTS
FORMER MANOWSKE WELDING AND HOLY FAMILY CHURCH
OSHKOSH, WISCONSIN
STS PROJECT NO. 200704507

	Generic RCLs			NR 746 Soil	MW-MW-5		HF-MW-1		HF-MW-2		HF-MW-3		HF-MW-4		HF-MW-5		GP-28		GP-29		GP-30	
	Direct Contact Pathway		Groundwater	Screening	2 - 4'	6 - 8'	2 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	6 - 8'	1 - 4'	8 - 10'	1 - 4'	8 - 10'	1 - 4'	8 - 10'
Parameters	Non-Industrial	Industrial	Pathway	Levels	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007	9/26/2007
PAHs (µg/kg) [F]																						
Acenaphthene	900,000	60,000,000	38,000	--	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	9.2 "J"	<7.2	<7.2	<7.2	<7.2	<7.2
Acenaphthylene	18,000	360,000	700	--	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	18.8 "J"
Anthracene	5,000,000	300,000,000	3,000,000	--	<14	<14	<14	<14	18.5 "J"	<14	<14	<14	<14	<14	<14	<14	40 "J"	<14	<14	<14	<14	40 "J"
Benzo(a)anthracene	88	3,900	17,000	--	34 "J"	<15	44 "J"	<15	44 "J"	<15	19.2 "J"	<15	<15	<15	<15	<15	135 [A]	22.6 "J"	25.3 "J"	<15	35 "J"	133 [A]
Benzo(a)pyrene	8.8	390	46,000	--	37 "J" [A]	<15	59 [A]	<15	36 "J" [A]	<15	<15	<15	<15	<15	<15	<15	128 [A]	<15	30.1 "J" [A]	<15	52 [A]	197 [A]
Benzo(b)fluoranthene	88	3,900	380,000	--	55	<8.1	85	<8.1	53	<8.1	18.4 "J"	<8.1	<8.1	<8.1	15 "J"	14.6 "J"	173 [A]	19.2 "J"	33	<8.1	118 [A]	184 [A]
Benzo(ghi)perylene	1,800	39,000	6,600,000	--	20.4 "J"	<14	55	<14	29.6 "J"	<14	<14	<14	<14	<14	<14	<14	77	<14	32 "J"	<14	22.2 "J"	84
Benzo(k)fluoranthene	880	39,000	670,000	--	16.7 "J"	<11	35 "J"	<11	20.1 "J"	<11	<11	<11	<11	<11	<11	<11	59	<11	<11	<11	30.6 "J"	88
Chrysene	8,800	390,000	37,000	--	52	<13	56	<13	51	<13	15.2 "J"	<13	<13	<13	<13	<13	155	17 "J"	46	<13	134	143
Dibenzo(a,h,)anthracene	8.8	390	38,000	--	<11	<11	12.3 "J" [A]	<11	<11	<11	<11	<11	<11	<11	<11	<11	18.1 "J" [A]	<11	<11	<11	<11	17.6 "J" [A]
Fluoranthene	600,000	40,000,000	500,000	--	86	<13	95	<13	150	<13	32 "J"	<13	<13	<13	<13	<13	330	27.8 "J"	41 "J"	<13	96	137
Fluorene	600,000	40,000,000	100,000	--	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	14.7 "J"	<8.5	9.6 "J"	<8.5	<8.5	<8.5	<8.5	<8.5
Indeno(1,2,3-cd)pyrene	88	3,900	680,000	--	17.7 "J"	<10	51	<10	24.5 "J"	<10	10.2 "J"	<10	<10	<10	<10	<10	89 [A]	<10	13.9 "J"	<10	19 "J"	72
1-Methylnaphthalene	1,100,000	70,000,000	23,000	--	<13	<13	<13	<13	<13	<13	<13	<13	41	<13	<13	<13	<13	<13	<13	36 "J"	28.7 "J"	<13
2-Methylnaphthalene	600,000	40,000,000	20,000	--	<17	<17	<17	<17	<17	<17	<17	<17	88	<17	<17	<17	<17	<17	<17	28.2 "J"	39 "J"	<17
Naphthalene	20,000	110,000	400	--	<12	<12	<12	<12	<12	<12	<12	<12	184	<12	<12	<12	<12	12.5 "J"	<12	<12	<12	<12
Phenanthrene	18,000	390,000	1,800	--	29.1 "J"	<15	30.3 "J"	<15	88	<15	<15	<15	<15	<15	<15	<15	157	20.4 "J"	39 "J"	<15	107	23.1 "J"
Pyrene	500,000	30,000,000	8,700,000	--	89	<13	82	<13	112	<13	28.3 "J"	<13	<13	<13	<13	<13	279	34 "J"	55	<13	127	236

Notes:

DRO = Diesel Range Organics
GRO = Gasoline Range Organics
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
[A] Parameter exceeds NR 720 Generic RCL for Non-Industrial Direct Contact.
[B] Parameter exceeds NR 720 Generic RCL for Industrial Direct Contact.
[C] Parameter exceeds NR 720 Generic RCL for Groundwater Pathway.
[D] Parameter exceeds NR 746 Table 1 Soil Screening Levels
[E] Generic RCL is established under NR 720 or NR 746
[F] Generic RCLs provided in *Soil Cleanup Levels for PAHs Interim Guidance*, WDNR RR-5 1997
-- No Generic RCL established.
Generic RCLs not included in Wisconsin Administrative Code or Guidance are calculated from the US EPA Soil Screening Level Web Page and the default values contained in *Determining Residual Contaminant Levels using the EPA Soil Screening Level Web Site* WDNR PUB-RR-682 on May 12, 2006
NA = Not analyzed