

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

BRRTS #: 03-38-118368

ACTIVITY NAME: Village Auto - LGU

PROPERTY ADDRESS: 4004 USH 141

MUNICIPALITY: Pound

PARCEL ID #: 171-00137.00

CLOSURE DATE: Jul 23, 2009

FID #: 438109100

DATCP #:

COMM #: 54161972604A

*WTM COORDINATES:

X: 674688 Y: 515357

** 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:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

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

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

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

Monitoring wells properly abandoned? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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

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

BRRTS #: PARCEL ID #:

ACTIVITY NAME: WTM COORDINATES: X: Y:

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

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

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

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 **Title: Site Location Map**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 **Title: Boring/Monitoring Well Location Diagram**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 **Title: Boring/Monitoring Well Location Diagram**

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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 #: 6 **Title: Cross-Section**

Figure #: **Title:**

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

Note: This is intended to show the total area of contaminated groundwater.

Figure #: 2 **Title: Boring/Monitoring Well Location Diagram**

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

Figure #: 4 **Title: Groundwater Table Contour and Benzene Concentrations Diagram 01-24-02**

Figure #: **Title:**

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

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

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

Table #: 1, 2, 1 **Title: Soil Field Obs & Ana Res, PAH Soil Ana Res, Sum of Soil Quality Test Results for Village Aut**

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

Table #: 2 **Title: Summary of Groundwater & Elevation Data for Former Village Auto & Quik Stop**

- 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 #: 2 **Title: Summary of Groundwater Elevation Data for Former Village Auto & Quik Stop**

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 #: 2 **Title: Boring/Monitoring Well Location Diagram** 

- 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). 

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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: 1

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

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

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

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). 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 #:

ACTIVITY NAME:

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
<input type="text" value="A"/>	<input type="text" value="2001 CTH Q, Pound, WI (Owens)"/>	<input type="text" value="171-00150"/>	<input type="text" value="674685"/>	<input type="text" value="515328"/>
<input type="text" value="B"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="C"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="D"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="E"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="F"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="G"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="H"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="I"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Northeast Region Headquarters
2984 Shawano Ave.
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

July 23, 2009

Mr. John Lefebvre
Marinette County
1926 Hall Avenue
Marinette, WI 54143

SUBJECT: Final Case Closure with Continuing Obligations
Village Auto, 4004 U.S. Highway 141, Pound, Wisconsin
WDNR BRRTS Activity #: 03-38-118368

Dear Mr. Lefebvre:

On May 20, 2009, the Wisconsin Department of Natural Resources Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On May 28, 2009, you were notified that the Closure Committee had granted conditional closure to this case.

On July 21, 2009, the Department received documentation indicating that you have complied with the requirements for final closure (submittal of a complete GIS registry packet, monitoring well abandonment form and proper soil/water disposal documentation).

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, however, you and future property owners must comply with certain continuing obligations as explained in this letter.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier.
- Groundwater contamination is present above Chapter NR 140 enforcement standards.
- One or more monitoring wells or sumps were not located and must be properly abandoned if found.

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.

Closure Conditions

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

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists in the location shown on the attached map shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The attached maintenance plan and inspection-log are to be kept up-to-date and on-site. Please submit the inspection log to the Department only upon request.

Prohibited Activities

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

Residual Groundwater Contamination

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

Vapor Migration

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Monitoring Wells that could not be Properly Abandoned

On July 16, 2009, Marinette County notified the Department that monitoring wells MW-5, MW-15, MW-17, MW-19 and the Road Sump depicted on the attached map, could not be properly abandoned because they were missing due to being paved over, covered or removed during utility installation activities. Your consultant (AECOM) has made a reasonable effort to locate the wells and sump depicted on the attached map and to determine whether they were properly abandoned but has been unsuccessful in those efforts. You need to understand that in the future you may be held liable for any problems associated with monitoring wells MW-5, MW-15, MW-17, MW-19 and the Road Sump if they create a conduit for contaminants to enter groundwater. If in the future any of the groundwater monitoring wells or the sump are found, the then current owner of the property on which the well is located will be required to notify the Department, to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

Because these monitoring wells and sump were not properly abandoned, the site will be listed on the DNR Remediation and Redevelopment GIS Registry.

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/>

Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

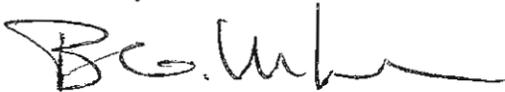
- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil.
- One or more monitoring wells or sumps that were not located is found and properly abandoned.

Please send written notifications in accordance with the above requirements to:

Department of Natural Resources
Attn: Kristin DuFresne
2984 Shawano Avenue
Green Bay, WI 54313-6727

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 Kristin DuFresne at 920-662-5443.

Sincerely,



Bruce G. Urben, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachment

Maintenance Plan
Extent of Soil Contamination Map
Extent of Groundwater Contamination Map
Continuing Obligations Fact Sheet – RR819

cc: Paulette Owens
P.O. Box 103, Pound, WI 54161-0103
Beth Erdman, Department of Commerce

**FORMER VILLAGE AUTO & QUICK STOP
4004 U.S. HIGHWAY "141"
POND, WISCONSIN**



STS Consultants Ltd.
Civil Engineering
1035 Keeler Dr.
Green Bay, WI 54311
920.463.1978

STS PROJECT NO.
27261W

STS PROJECT FILE
427261W006.DWG

SCALE
1" = 40'
FIGURE NO. 2

DESIGNED BY	RJM	DATE	7-08-02
DRAWN BY	JLC	DATE	7-08-02
APPROVED BY	RJM	DATE	7-08-02
CADFILE	X:\PROJECTS\DWG2001\27261W\427261W006.dwg		
XREF			

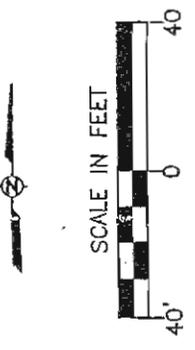
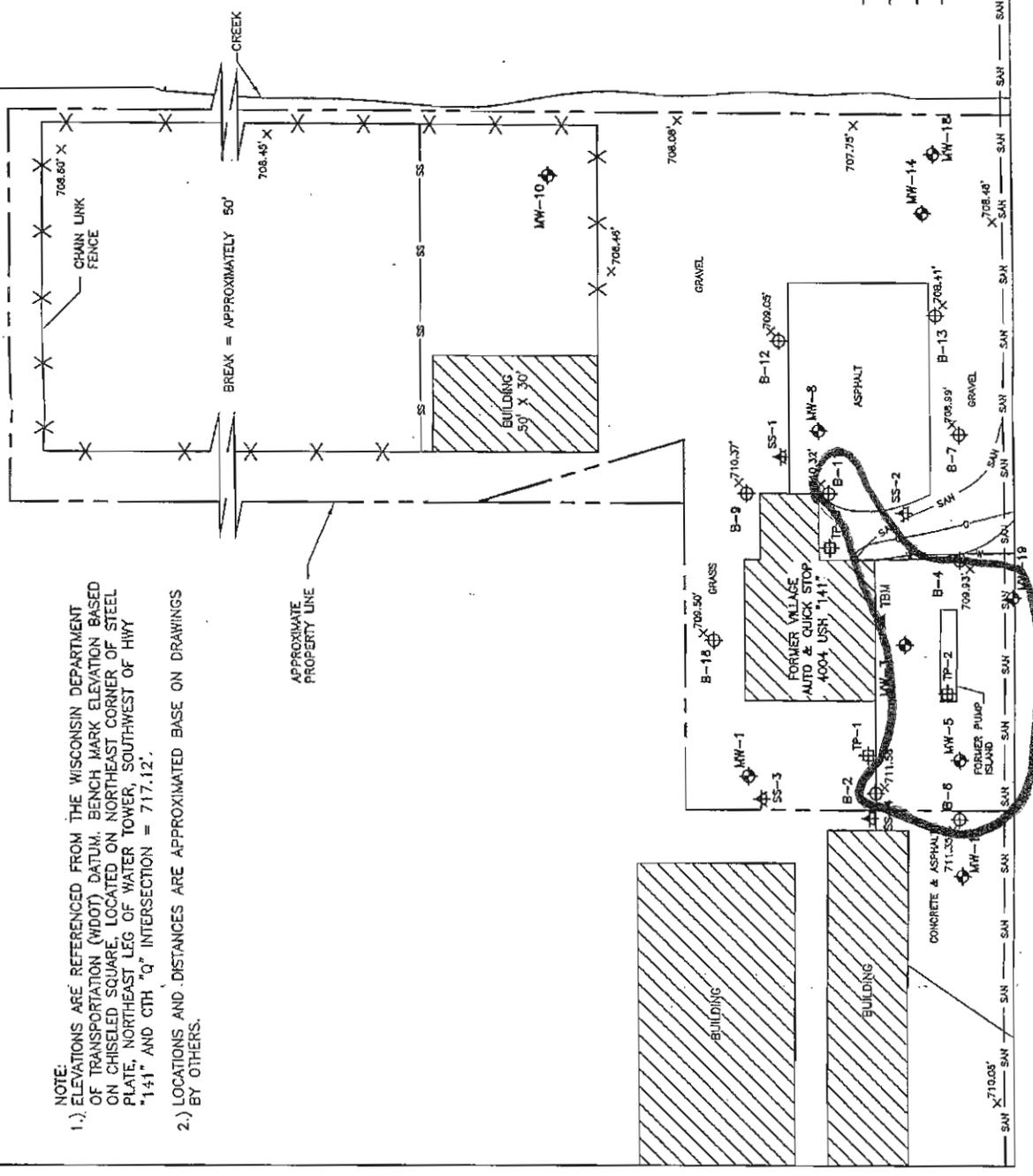


Fig 2

- LEGEND**
- SS-1 SURFACE SAMPLE LOCATION
 - MW-1 MONITORING WELL LOCATION
 - B-1 SOIL BORING LOCATION
 - TP-1 TEST POINT LOCATION
 - 705.08' X SPOT ELEVATION (1/2002)
 - TBM TEMPORARY BENCHMARK
 - WATER LINE WATER LINE
 - SAN SANITARY MAIN
 - NATURAL GAS LINE NATURAL GAS LINE
 - SS STORM SEWER



NOTE:

- 1.) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) DATUM. BENCH MARK ELEVATION BASED ON CHISELED SQUARE, LOCATED ON NORTHEAST CORNER OF STEEL PLATE, NORTHEAST LEG OF WATER TOWER, SOUTHWEST OF HWY "141" AND CTH "Q" INTERSECTION = 717.12'.
- 2.) LOCATIONS AND DISTANCES ARE APPROXIMATED BASE ON DRAWINGS BY OTHERS.

CTH Q

COVER MAINTENANCE PLAN
Former Village Auto and Quick Stop
4004 HWY CP/Business 141
Pound, Wisconsin
WDNR BRRTS # 03-38-118368
July 2009

INTRODUCTION

This document is the Maintenance Plan for a barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the paved or existing graveled surfaces occupying the area over the contaminated soil on the property. The contaminated soil impacted by benzene, ethylbenzene, toluene, total xylenes, and trimethylbenzenes.

COVER AND BULDING BARRIER PURPOSE

The paved or gravel surfaces over the contaminated soil and/or groundwater serve as a barrier to prevent direct human contact with residual soil and groundwater contamination that might otherwise pose a threat to human health and also serves as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

ANNUAL INSPECTION

The paved or gravel surfaces overlying the extent of contaminated soil area identified on Exhibit A shall 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 to or exposure to underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, increasing age and other factors. Any area where the 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. A sample Cap Inspection log is attached and made a part of this plan. The log shall include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they shall be documented in the inspection log. A copy of the inspection log will be sent to the Wisconsin Department of Natural Resources ("WDNR") upon request.

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 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 or gravel surfaces overlying the contaminated soil is removed or replaced, the replacement barrier must be, at a minimum, equally impervious as the original paved or gravel surfaces. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

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

PROHIBITED ACTIVITIES

The following activities are prohibited on any portion of the property where pavement or other barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources:

- 1) removal of the existing barrier;
- 2) replacement with another barrier;
- 3) excavating or grading of the land surface;
- 4) filling on capped or paved areas;
- 5) plowing for agricultural cultivation;
- 6) construction or placement of a building or other structure.

PICTURES OF EXISTING CONCRETE, GRAVEL AND ASPHALT SURFACES

Pictures of the existing concrete, gravel and asphalt surfaces are attached and made a part of this plan. The minimum surface barrier shall not be held to a standard that exceeds what currently exists at the site.

IMPROPERLY ABANDONED GROUNDWATER MONITORING WELLS

Groundwater monitoring wells MW-5, MW-15, MW-17 and MW-19 were destroyed and are considered to be improperly abandoned, the approximate location of these wells are shown on both Exhibit A and B. It is assumed that the Sewer and Water Contractor who installed the road sump abandoned the road sump however the County is unable to confirm the abandonment. Therefore if any of these wells or the road sump are ever encountered it shall be the responsibility of the property owner of the property on which the well or road sump is encountered to abandon the well or road sump in compliance with the regulations in effect at that time.

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.

Property Owner:

Marinette County
Attn: Mr. John Scott
1926 Hall Ave
Marinette, WI 54143

WDNR:

Kristin DuFresne
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313-6727

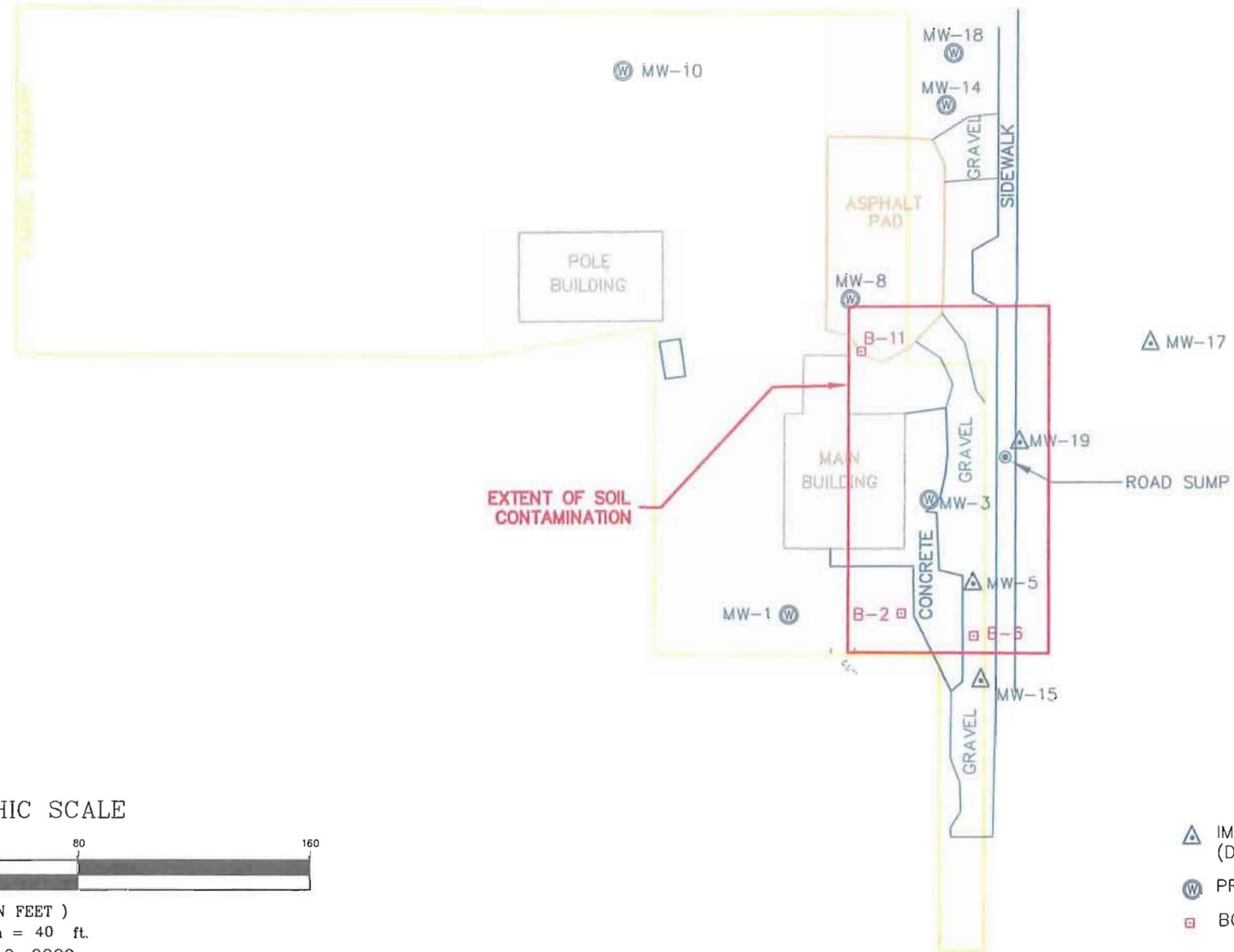




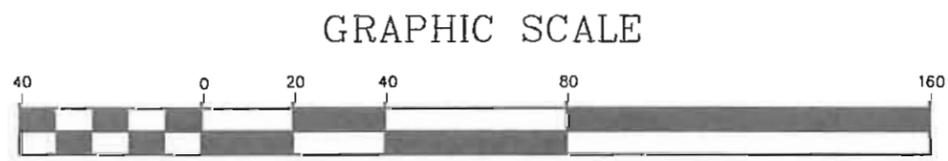


VILLAGE AUTO QUICK STOP 4004 CTY HWY CP/BUSINESS 141 POUND, WI

Exhibit A Extent of Soil Contamination



EXTENT OF SOIL CONTAMINATION

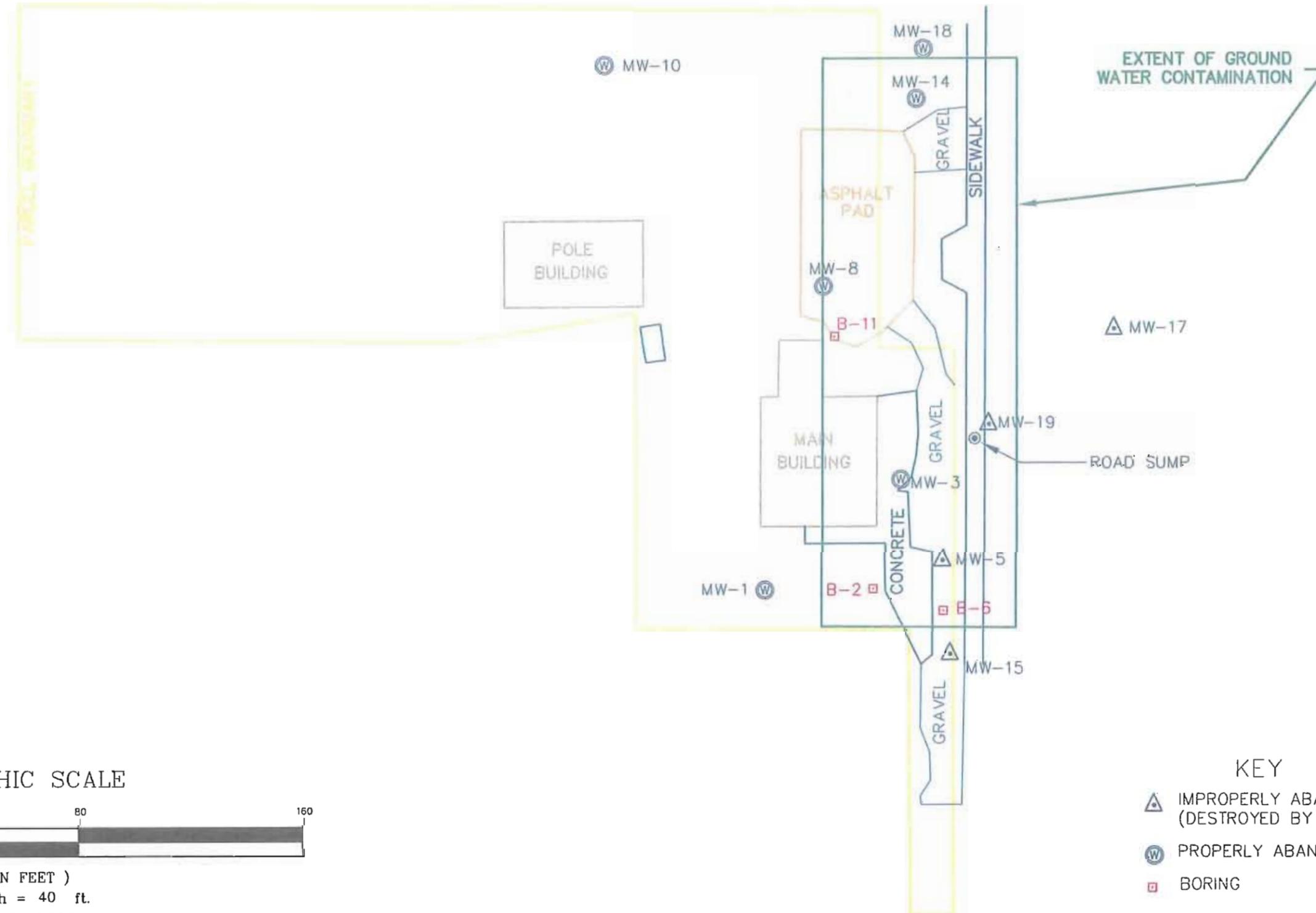


(IN FEET)
1 inch = 40 ft.
JUNE 9, 2009

- KEY
- △ IMPROPERLY ABANDONED WELL (DESTROYED BY UTILITY CONST.)
 - Ⓜ PROPERLY ABANDONED WELL
 - BORING

VILLAGE AUTO QUICK STOP 4004 CTY HWY CP/BUSINESS 141 POUND, WI

Exhibit B Extent of Ground Water Contamination



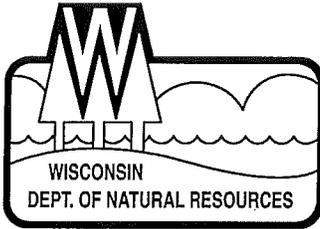
GRAPHIC SCALE



(IN FEET)
1 inch = 40 ft.
JUNE 9, 2009

KEY

- △ IMPROPERLY ABANDONED WELL (DESTROYED BY UTILITY CONST.)
- ⊙ PROPERLY ABANDONED WELL
- BORING



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Northeast Region Headquarters
2984 Shawano Ave.
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

July 23, 2009

OFF-SOURCE
A
PROPERTY

Ms. Paulette Owens
P.O. Box 103
Pound, WI 54161-0103

SUBJECT: Continuing Obligations and Property Owner Requirements for
2001 County Road Q, Pound, Wisconsin
Parcel Identification Number: 171-00150.000
Final Case Closure for Village Auto, 4004 U.S. Highway 141, Pound, Wisconsin
WDNR BRRTS Activity #: 03-38-118368

Dear Ms. Owens:

The purpose of this letter is to notify you that certain continuing obligations apply to your property located at 2001 County Road Q, Pound, Wisconsin, (referred to in this letter as the "Property") due to contamination remaining on the Property. The continuing obligations are part of the cleanup and case closure approved for the above referenced case, located at 4004 U.S. Highway 141, Pound, Wisconsin. The continuing obligations that apply to the Property are stated as conditions in the attached closure approval letter, and are consistent with s. 292.12, Wis. Stats., and ch. NR 700, Wis. Adm. Code, rule series. They are meant to limit exposure to any remaining environmental contamination at the Property. These continuing obligations will also apply to future owners of the Property, until the conditions no longer exist at the Property.

It is common for properties with approved cleanups to have continuing obligations as part of cleanup/closure approvals. Information on continuing obligations on properties is shown on the Internet at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. How to find further information about the closure and residual contamination for this site can be located at <http://dnr.wi.gov/org/aw/rr/clean.htm>.

The Department reviewed and approved the case closure request regarding the petroleum in soil and groundwater at the Village Auto site, based on the information submitted by OM Enterprises, Inc. As required by state law, you received notification about the requested closure from the person conducting the cleanup. No further investigation or cleanup is required at this time. However, the closure decision is conditioned on the long-term compliance with certain continuing obligations, as described below.

Continuing Obligations Applicable to Your Property

- A number of continuing obligations are described in the attached case closure letter to Marinette County, dated July 23, 2009. However, the only continuing obligation that applies to your Property is the potential for residual soil contamination that must be properly managed should it be excavated or removed.

OFF-SOURCE
A
PROPERTY

GIS Registry – Well Construction Approval Needed

Because of the residual petroleum contamination and the continuing obligations, this site, which includes your Property, will be listed on the Department's internet accessible GIS Registry, at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a well on the Property, you will need to get 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. A well driller can help with this form. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf>. If at some time, all these continuing obligations are fulfilled, and the remaining contamination is either removed or meets applicable standards, you may request the removal of the Property from the GIS Registry.

Property Owner Responsibilities

The owner (you and any subsequent property owner) of this Property is responsible for compliance with these continuing obligations, pursuant to s. 292.12, Wis. Stats. You are strongly encouraged to pass on the information about these continuing obligations to anyone who purchases this property from you. For residential property transactions, you are required to make disclosures under Wis. Stats. s. 709.02. You may have additional obligations to notify buyers of the condition of the property and the continuing obligations set out in this letter and the closure letter.

Please be aware that failure to comply with the continuing obligations may result in enforcement action by the Department. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with referenced maintenance plans, are met.

These responsibilities are the property owner's. A property owner may enter into a legally binding agreement (such as a contract) with someone else (the person responsible for the cleanup) to take responsibility for compliance with the continuing obligations. If the person with whom any property owner has an agreement fails to adequately comply with the appropriate continuing obligations, the Department has the authority to require the property owner to complete the necessary work.

A legal agreement between you and another party to carry out any of the continuing obligations listed in this letter does not automatically transfer to a new owner of the property. If a subsequent property owner cannot negotiate a new agreement, the responsibility for compliance with the applicable continuing obligations resides with that Property owner.

When maintenance of a continuing obligation is required, the Property owner is responsible for inspections, repairs, or replacements as needed. Such actions should be documented by the Property owner and the records kept accessible for the Department to review for as long as the Department directs.

You and any subsequent Property owners are responsible for notifying the Department, and obtaining approval, before making any changes to the property that would affect the obligations applied to the Property. Send all written notifications in accordance with the above requirements to:

Department of Natural Resources
Attn: Kristin DuFresne
2984 Shawano Avenue
Green Bay, WI 54313-6727



Under s. 292.13, Wis. Stats., owners of properties affected by contamination from another property are generally exempt from investigating or cleaning up a hazardous substance discharge that has migrated onto a property from another property, through the soil, groundwater or sediment pathway. However, the exemption under s. 292.13, Wis. Stats., does not exempt the property owner from the responsibility to maintain a continuing obligation placed on the property in accordance with s. 292.12, Wis. Stats. To maintain this exemption, that statute requires the current property owner and any subsequent property owners, to meet the conditions in the statute, including:

- Granting reasonable access to DNR or responsible party, or their contractors;
- Avoiding interference with response actions taken; and
- Avoiding actions that make the contamination worse (e.g., demolishing a structure and causing or worsening the discharges to the environment).

The Department appreciates your efforts. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kristin DuFresne at 920-662-5443.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce G. Urben".

Bruce G. Urben
Northeast Region Remediation & Redevelopment Team Supervisor

Attachment

Village Auto Final Closure Letter
Continuing Obligations Fact-Sheet – RR819

ec: John Lefebvre, Marinette County
1926 Hall Avenue, Marinette, WI 54143
Beth Erdman, Department of Commerce



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Northeast Region Headquarters
2984 Shawano Ave.
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

May 28, 2009

Mr. John Lefebvre
Marinette County
1926 Hall Avenue
Marinette, WI 54143

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure
Village Auto, 4004 U.S. Highway 141, Pound, Wisconsin
WDNR BRRTS Activity # 03-38-118368

Dear Mr. Lefebvre:

On May 20, 2009, the Wisconsin Department of Natural Resources Northeast Region Closure Committee reviewed your request for closure of the case described above. The Northeast Region 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 on the site from the former underground storage tanks 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:

GIS Registry Packet

Your site has been approved for closure with a listing on the groundwater GIS registry for MW3, MW5, MW14, MW19, the Road Sump, MW15 and MW17. Your site will be listed on the soil GIS registry for MW3, MW5, B6, MW19, E1, W1, E2, W2, E3, W3, B2 and B11. In effort to complete the GIS registry process for the Village Auto site, please provide the Department with the information highlighted on the attached forms.

Monitoring Well Abandonment

The monitoring wells and sump at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Kristin DuFresne 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.

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, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

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.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-662-5443.

Sincerely,



Kristin DuFresne
Hydrogeologist
Remediation & Redevelopment Program

Attachment

ec: Ragu Singh, OM Enterprises, Inc.
Beth Erdman, Department of Commerce - Oshkosh

DOCUMENT NO.

457745

STATE BAR OF WISCONSIN FORM 1 - 1986
WARRANTY DEED

THIS SPACE RESERVED FOR RECORDING DATA

RECORDED
JKT 2081 1137

1986 MAY 28 AM 9:03

Lorraine J. Magnusson
REGISTER OF DEEDS
OF MARINETTE COUNTY, WI.

This Deed, made between Nicholas G. Kinziger.....

....., Grantor,
and Cindy M. Marquardt.....

....., Grantee,
Witnesseth, That the said Grantor, for a valuable consideration.....

conveys to Grantee the following described real estate in Marinette.....
County, State of Wisconsin:

RETURN TO John F. Hager
Nelson & Schmeling
P. O. Box 1268
Green Bay, WI 54305

Tax Parcel No:

An undivided one-third (1/3) interest, as tenant
in common, in the following described real estate:

SEE ATTACHMENT TO WARRANTY DEED



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

Together with all and singular the hereditaments and appurtenances thereunto belonging;

And warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances, recorded easements for public utilities, recorded building and use restrictions and covenants and general taxes levied in year of closing. and will warrant and defend the same.

Dated this 22nd day of May, 1986.

Nicholas G. Kinziger (SEAL) (SEAL)
* Nicholas G. Kinziger
..... (SEAL) (SEAL)
*

AUTHENTICATION

Signature(s) of Nicholas G. Kinziger.....

authenticated this 22nd day of May, 1986.

John F. Hager
John F. Hager
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not,

ACKNOWLEDGMENT

STATE OF WISCONSIN

..... ss.
..... County. }
Personally came before me this day of
....., 19..... the above named

ATTACHMENT TO WARRANTY DEED

CONVEYS: A parcel of land in the Southeast Quarter of the Southwest Quarter of Section (2), Township (30) North, Range (20) East, more particularly described as follows: Beginning at a point on the Quarter line of said Section (2), 226 feet North of the South line of said section; thence North along quarter line 127 feet; thence West parallel with the South line of Section (2), a distance of 373 feet; thence South parallel with quarter line 119 feet; thence East parallel with South line of said section (2), a distance of 160 feet; thence in an easterly direction 63 feet, to a point 245 feet North of the South line of said section; thence South parallel with quarter line 19 feet; thence East 150 feet to point of beginning less land previously dedicated for highway purposes.

393P314

As an additional and integral consideration for this deed, the grantees, their heirs and assigns, hereby agree that they will not in any manner block, impede, alter or otherwise effect the natural watercourse crossing said land and will not cause the same to be filled, embanked, or changed by any form of construction, or in any manner. Said natural watercourse runs from a culvert under Main Street (County Trunk Q) located about 215 feet west of the quarter line of Section (2).

That part of the Southeast Quarter of the Southwest Quarter (SE $\frac{1}{4}$ of SW $\frac{1}{4}$) of Section 2, in Township 30 North of Range 20 East, in the Village of Pound, Wisconsin, described as follows, to-wit: Commencing at the South Quarter corner of Section 2, Twenty-five (25) feet West from the Quarter stake and Twenty-five (25) feet North to the point of beginning; thence running North parallel with the North and South quarter line of said Section 2, a distance of Two Hundred One (201) feet; thence West parallel with the South line of Section 2, a distance of One Hundred Twenty-five (125) feet; thence South parallel with said North and South quarter line a distance of Ninety-three (93) feet; thence East parallel with the South line of Section 2, Ninety-nine (99) feet; thence South parallel with said North and South quarter line a distance of One Hundred eight (108) feet; thence East parallel to the South line of said Section 2, a distance of Twenty-six (26) feet to the point of beginning.

362K221

I believe that the above legal description accurately describes the current subdivided property. Attached is a copy of Enclosure of Tax Deeds which documents the County's title to the property.

J. L. Johnson 3/11/01
John Johnson, Director
Marquette County Land Administration Department

Office of the
REGISTER OF DEEDS
OF MARQUETTE COUNTY, WI

1986 MAY 28 AM 9:03

RECORDED
457745

DOC.#: 606343

LIST OF TAX LIENS OF MARINETTE COUNTY BEING UNRECORDED BY
PROCEEDING IN REM PER WISCONSIN STATUTE 75.521

2000, 00-CV-128

DATE: 10/11/2000

MARQUARDT CINDY M
PO BOX 92
POUND, WI 54161-0092

PARCEL NBR: 171-00137.000

4004 US HIGHWAY 141
PRT SE SW S2 T30N R20E COM
E/L 226°N S/L; N ALG E/L
127° W373° S119° E160° ELY
63° TO PT 245°N S/L S19° E
150° TO POB DESC 393R314 &

CLARISSA J. THILL
COUNTY TREASURER
1926 HALL AVENUE
MARINETTE, WISCONSIN 54143-1717
(715) 732-7430

TAX YEAR	SALE DATE	CERTIFICATE NUMBER	TAX AMOUNT	INTEREST AMOUNT	TOTAL
1992	10-19-93	13202	2,009.03	1,828.22	3,837.25
1993	10-18-94	16208	2,292.90	1,811.39	4,104.29
1994	9-08-95	19449	1,876.47	1,257.23	3,133.70
1995	9-19-96	22784	2,331.86	1,282.52	3,614.38
1996	9-24-97	25734	1,973.29	848.51	2,821.80
1997	10-14-98	2029	1,426.62	442.25	1,868.87
1998	9-08-99	2195	1,566.16	297.57	1,863.73
1999			1,011.21	70.78	1,081.99
TOTAL			14,487.54	7,838.47	22,326.01

INTEREST ON THE PRINCIPAL SUM OF EACH TAX LIEN LISTED ABOVE IS COMPUTED AT THE RATE OF ONE (1%) PERCENT PER MONTH, FROM JANUARY 1ST OF THE YEAR OF SALE FOR TAX YEARS 1986 THRU 1988, AND FROM FEBRUARY 1ST OF THE YEAR OF SALE FOR ALL REMAINING TAX YEARS.

INTEREST HAS BEEN CALCULATED THRU AUGUST 31, 2000.

IN REM TAX FORECLOSURE PROCEEDINGS FOR YEAR 1996 ARE COMMENCED. YOU MUST PAY ALL TAX AND INTEREST FOR THESE YEARS PLUS AN ADDITIONAL \$50.00 ADMINISTRATIVE FEE ON OR BEFORE 8/31/2000. AFTER THIS DATE, MARINETTE COUNTY WILL OWN YOUR REAL ESTATE. TO REPURCHASE, AN ADDITIONAL FEE OF \$175.00 AND COSTS OF INSPECTION FOR TOXIC MATERIAL CONTAMINATION WILL BE CHARGED.

OWNERS, MORTGAGEES, LIENHOLDERS

MARQUARDT CINDY M

MARINETTE COUNTY

IN THE MATTER OF THE FORECLOSURE OF TAX LIENS PURSUANT TO SECTION 75.521 WISCONSIN STATUTES BY MARINETTE COUNTY

ORDER authorizing Judgment and JUDGMENT

LIST OF TAX LIENS FOR 2000 NUMBER (1)

CASE NUMBER: 00-CV-128 BR I

The above entitled action for foreclosure of tax liens by proceeding In Rem pursuant to the provisions of Section 75.521 of the Wisconsin Statutes, and having come on to be heard before the Court, the petitioners Clarissa Faucett, Marinette County Treasurer, and James A. Morrison, Acting Marinette County Corporation Counsel, and Attorney Gale Mattison, duly appointed Guardian Ad Litem for all persons known or unknown, who have, or may have, an interest in the lands described in the said "List of Tax Liens" and those persons who are, or may be minors or incompetents at the time of the filing of such tax liens, appearing; and

It appearing that proceedings to foreclose tax liens by Marinette County were commenced by filing "List of Tax Liens for 2000, Number 1, dated May 18th, 2000, with the Clerk of Courts for Marinette County pursuant to Section 75.521 of the Wisconsin Statutes; and

It further appearing that the necessary petition and affidavits were made by officials of the office of the County Treasurer for Marinette County, and that the necessary affidavit of publication were made by the authorized representative of the Peshtigo Times; and

It further appearing that Attorney Gale Mattison of Marinette County, Wisconsin has been appointed Guardian Ad Litem in this matter pursuant to Section 75.521 (12) of the Wisconsin Statutes.

It further appearing that the last day for the redemption of said tax liens has been fixed for August 31st, 2000, and that as of October 16th, 2000, the attached list of lands remained unredeemed and is affected by this judgment.

NOW, THEREFORE, IT IS ORDERED AND ADJUDGED, that Marinette County, Wisconsin, is vested with an estate in fee simple absolute in all lands above described, subject, however, to all unpaid taxes and charges which are subsequent to the latest dated Tax Lien appearing on the "List of Tax Liens" and subject to recorded restrictions.

IT IS FURTHER ORDERED AND ADJUDGED that all persons, both artificial and natural, including the State of Wisconsin, infants, incompetents, absentees and non-residents who may have had right, title, interest, claim, lien or equity in such lands and all persons claiming under and through them, or any of them from and after the last day fixed for redemption of said tax liens, are forever barred and foreclosed of such right, title, interest, claim, lien or equity of redemption.

Dated this 16 day of October 2000.

BY THE COURT:

[Signature of Judge Charles D. Heath]
Judge Charles D. Heath
Circuit Court Judge

AUTHENTICATED COPY
LINDA L. DUMKE

OCT 16 2000

CLERK OF COURTS
MARINETTE COUNTY, WI

Intgr DEPT

88. Co. Treasurer

Order authorizing
Judgment and
JUDGMENT

Document Number

Document Title

DOC. #: 606343

Recorded
OCT. 18, 2000 AT 03:00PM

MELANIE I HUENPFNER
MARINETTE COUNTY
REGISTER OF DEEDS
Fee Amount: \$88.00

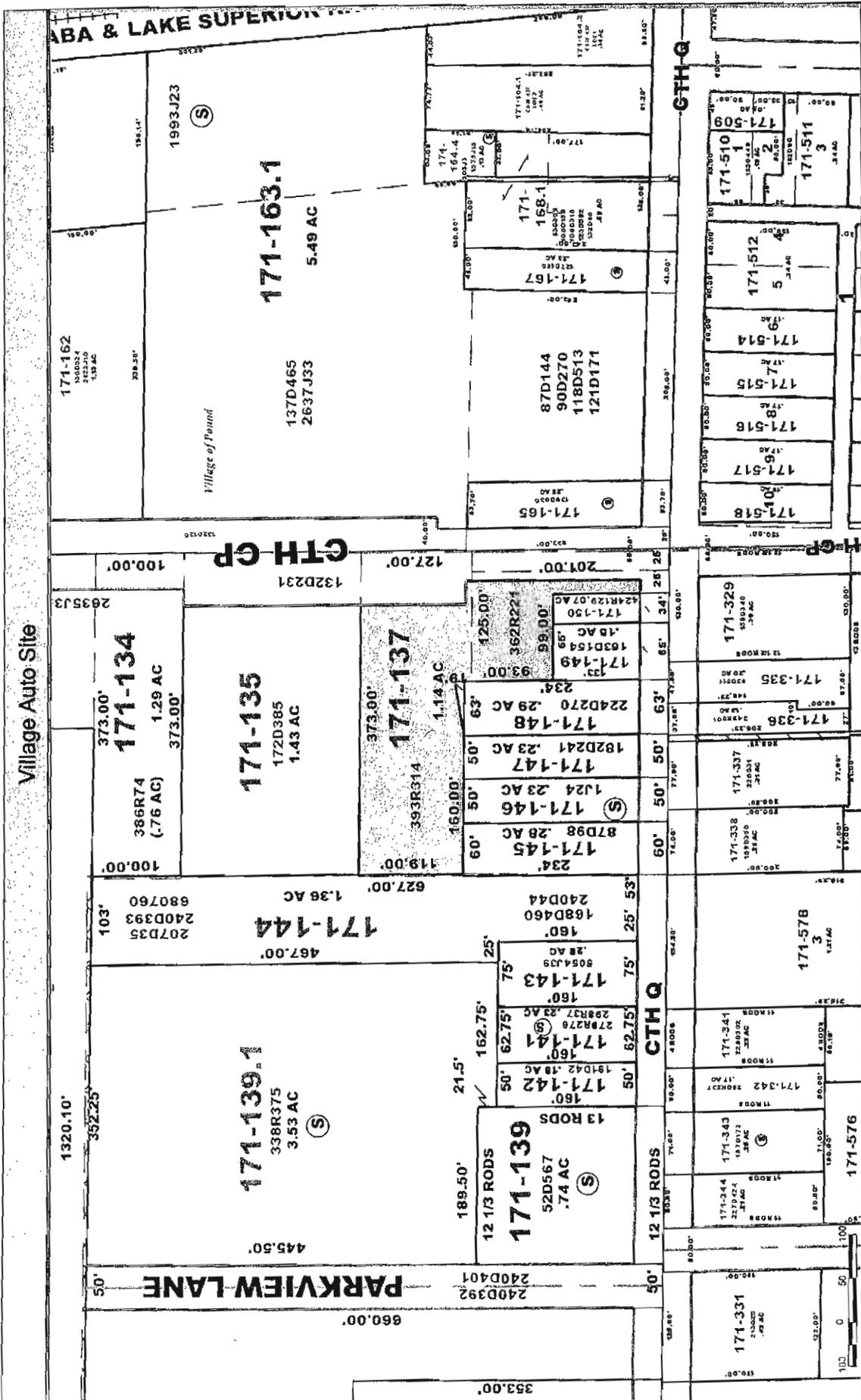
Recording Area

Name and Return Address

Marquette Co. Treas.
Inter Dept 88. ⁰⁰

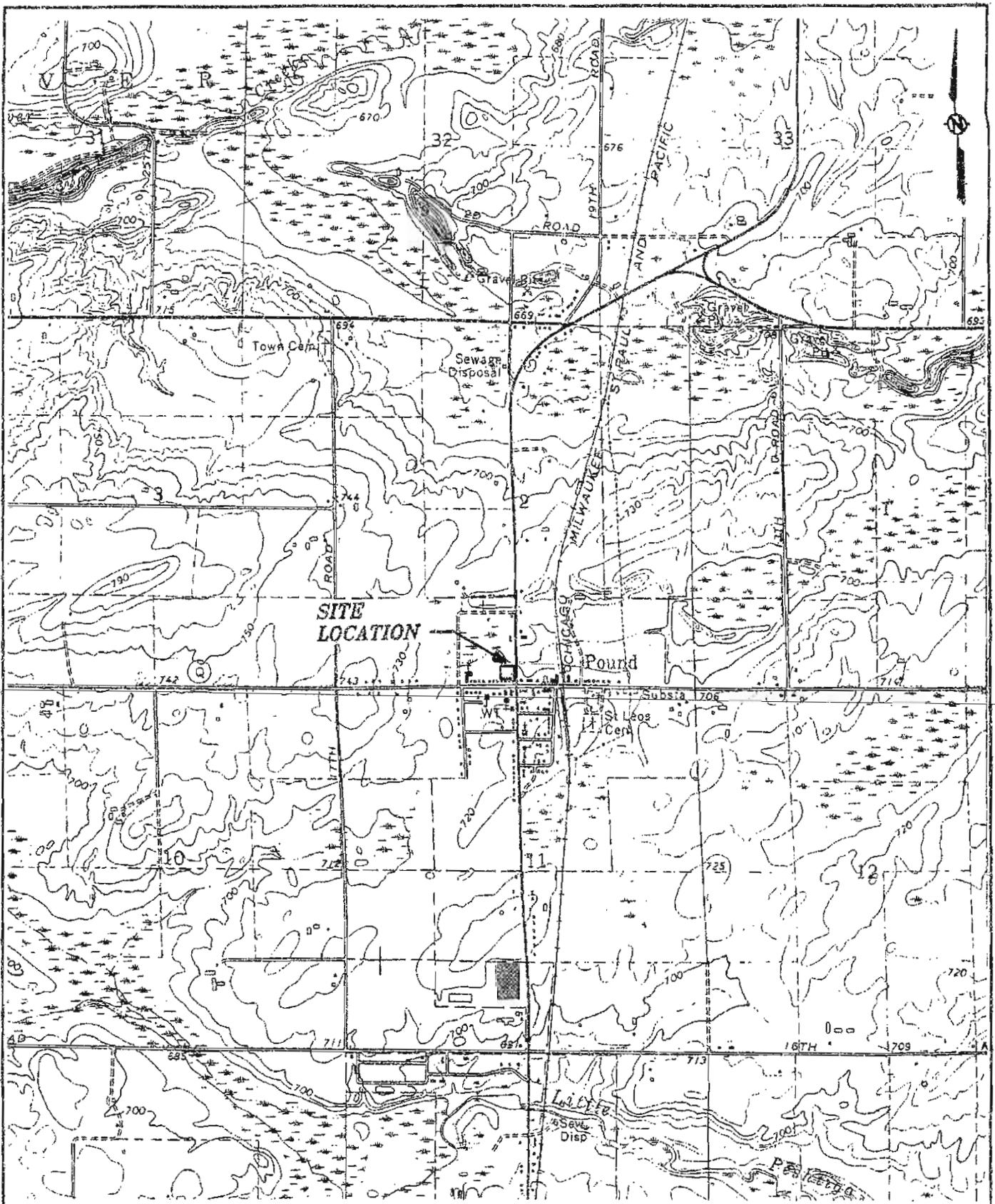
Parcel Identification Number (PIN)

This information must be completed by submitter: document title, name & return address, and PIN (if required). Other information such as the granting clauses, legal description, etc. may be placed on this first page of the document or may be placed on additional pages of the document.
Note: Use of this cover page adds one page to your document and \$2.00 to the recording fee. Wisconsin Statutes, 59.43(2m) WRDA 10/99



March 10, 2009

www.marshfieldcounty.com or www.webgis.marshfieldcounty.com



MAP SOURCE: MODIFIED FROM COLEMAN, WISCONSIN QUADRANGLE DATED 1973.



STS Consultants Ltd.
 Consulting Engineers
 1036 Kappel Dr.
 Green Bay, WI 54311
 920.442.1978

SITE LOCATION MAP
FORMER VILLAGE AUTO & QUICK STOP
4004 U.S. HIGHWAY "141"
POUND, WISCONSIN

DESIGNED BY	RJM	12-20-01
DRAWN BY	ACS	12-20-01
APPROVED BY	RJM	12-20-01
CADFILE	427261W001.dwg	SCALE
		1"=2000'
STS PROJECT NO.	27261W	FIGURE NO.
		1

BORING/MONITORING WELL LOCATION DIAGRAM
FORMER VILLAGE AUTO & QUICK STOP
4004 U.S. HIGHWAY "141"
POND, WISCONSIN



STS Consultants Ltd.
 Consulting Engineers
 1035 Keele Dr.
 Green Bay, WI 54311
 920.462.1978

STS PROJECT NO.
27261W

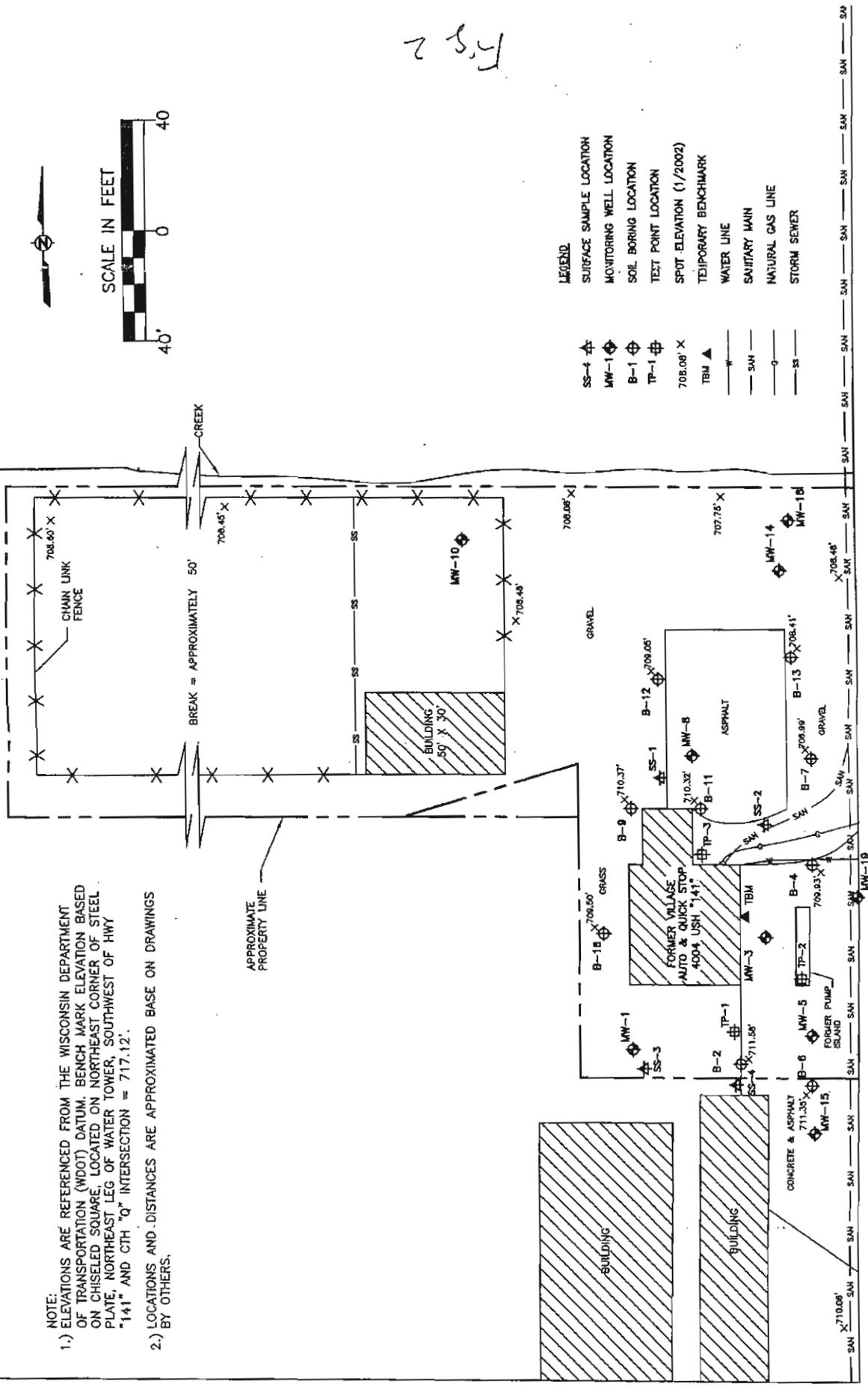
STS PROJECT FILE
427261W006.DWG

SCALE
1"=40'

FIGURE NO.

DESIGNED BY	RJM	DATE	7-08-02
DRAWN BY	JLC	DATE	7-08-02
APPROVED BY	RJM	DATE	7-08-02
CADFILE	X:\PROJECTS\DWG2001\27261W\427261W006.dwg		
XREF			

NOTE:
 1.) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) DATUM. BENCH MARK ELEVATION BASED ON CHISELED SQUARE, LOCATED ON NORTHEAST CORNER OF STEEL PLATE, NORTHEAST LEG OF WATER TOWER, SOUTHWEST OF HWY "141" AND CTH "Q" INTERSECTION = 717.12'.
 2.) LOCATIONS AND DISTANCES ARE APPROXIMATED BASE ON DRAWINGS BY OTHERS.



- LEGEND**
- SS-1 ▲ SURFACE SAMPLE LOCATION
 - MW-1 ◆ MONITORING WELL LOCATION
 - B-1 ⊕ SOIL BORING LOCATION
 - TP-1 ⊕ TEST POINT LOCATION
 - 708.08' X SPOT ELEVATION (1/2002)
 - TBM ▲ TEMPORARY BENCHMARK
 - W — WATER LINE
 - SAN — SANITARY MAIN
 - NATURAL GAS LINE
 - STORM SEWER

Fig 2

DESIGNED BY	RJM	DATE	7-08-02
DRAWN BY	JLC	DATE	7-08-02
APPROVED BY	RJM	DATE	7-08-02
CAD FILE	X:\PROJECTS\DWG2001\27261\427261W006.dwg		
REF			

BORING/MONITORING WELL LOCATION DIAGRAM
FORMER VILLAGE AUTO & QUICK STOP
4004 U.S. HIGHWAY "141"
POND, WISCONSIN



STS Consultants Ltd.
 Consulting Engineers
 1035 Kepler Dr.
 Green Bay, W. 54311
 920.462.1978

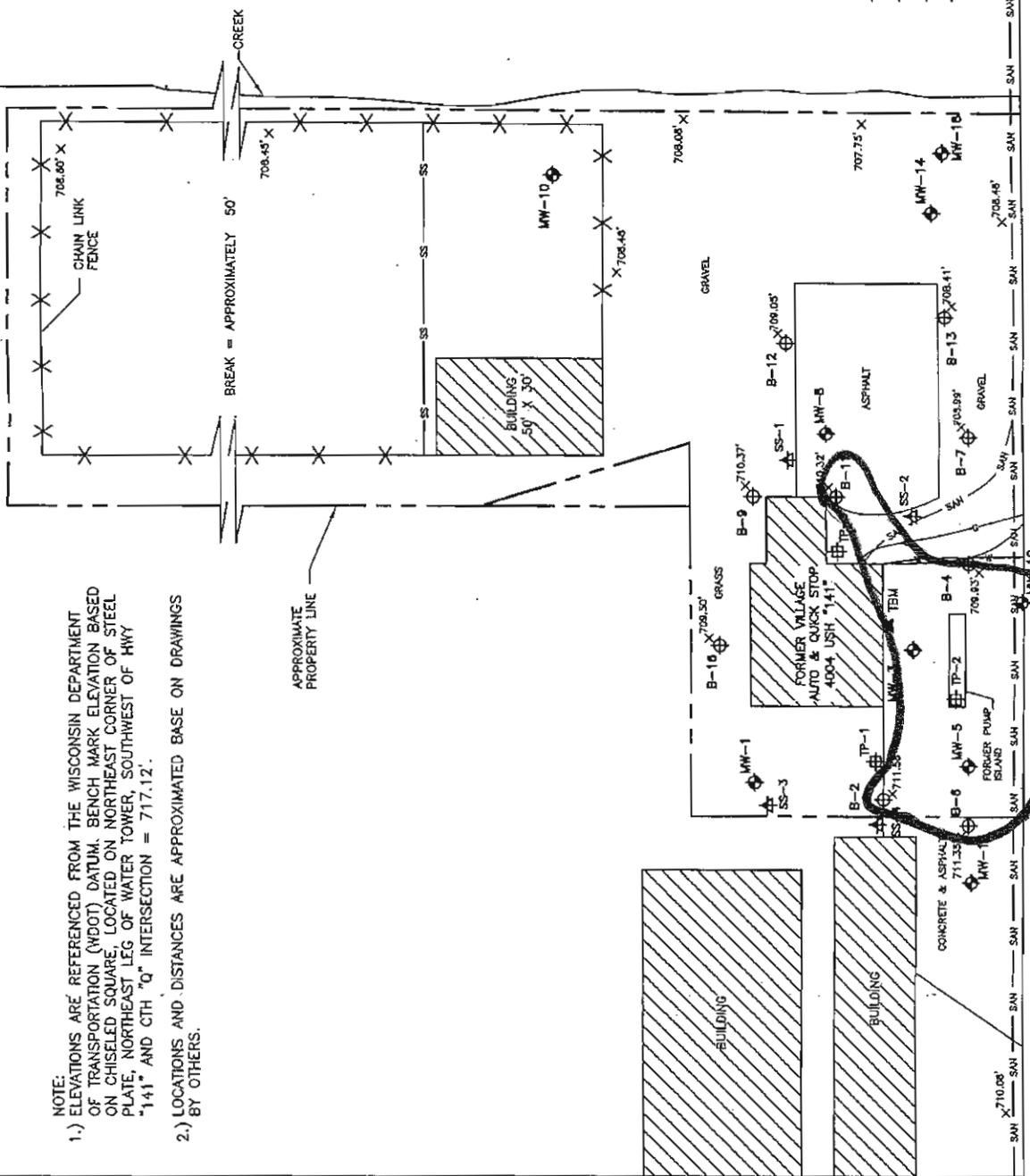
STS PROJECT NO. 27261W
 STS PROJECT FILE 427261W006.DWG
 SCALE 1"=40'
 FIGURE NO. 2

Fig 2



LEGEND

SS-4	▲	SURFACE SAMPLE LOCATION
MW-1	◆	MONITORING WELL LOCATION
B-1	⊕	SOIL BORING LOCATION
TP-1	⊕	TEST POINT LOCATION
708.08' X	X	SPOT ELEVATION (1/2002)
TM	▲	TEMPORARY BENCHMARK
W	—	WATER LINE
SAN	—	SAINTARY MAIN
0	—	NATURAL GAS LINE
SS	—	STORM SEWER



NOTE:
 1.) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) DATUM. BENCH MARK ELEVATION BASED ON CHISELED SQUARE, LOCATED ON NORTHEAST CORNER OF STEEL PLATE, NORTHEAST LEG OF WATER TOWER, SOUTHWEST OF HWY "141" AND CTH "Q" INTERSECTION = 717.12'.
 2.) LOCATIONS AND DISTANCES ARE APPROXIMATED BASE ON DRAWINGS BY OTHERS.

Extent of soil contamination

CTH 0

NOTE:
 1.) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION
 (WOOD COUNTY CORNER) MONUMENTED POINT. THE MONUMENTED POINT IS LOCATED ON
 THE NORTH CORNER OF THE PLAT "NORTH EAST" LID OF WATER TOWER, SOUTHWEST
 OF HWY "141" AND CTH "D" INTERSECTION = 717.52.

DESIGNED BY	RJM	DATE	1-25-02
DRAWN BY	ACS	DATE	1-25-02
APPROVED BY	RJM	DATE	1-25-02
CAD FILE	X:\PROJECTS\DWG2001\27281\W\427261W003.dwg		

**GROUNDWATER TABLE CONTOUR AND
 BENZENE CONCENTRATION DIAGRAM (1/24/02)
 FORMER VILLAGE AUTO & QUICK STOP
 4004 U.S. HIGHWAY "141"
 POUND, WISCONSIN**



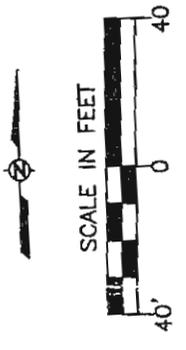
STS Consultants Ltd.
 Consulting Engineers
 1033 Keeler Dr.
 Green Bay, WI 54311
 920.468.1878

SITS PROJECT NO.
 27261W

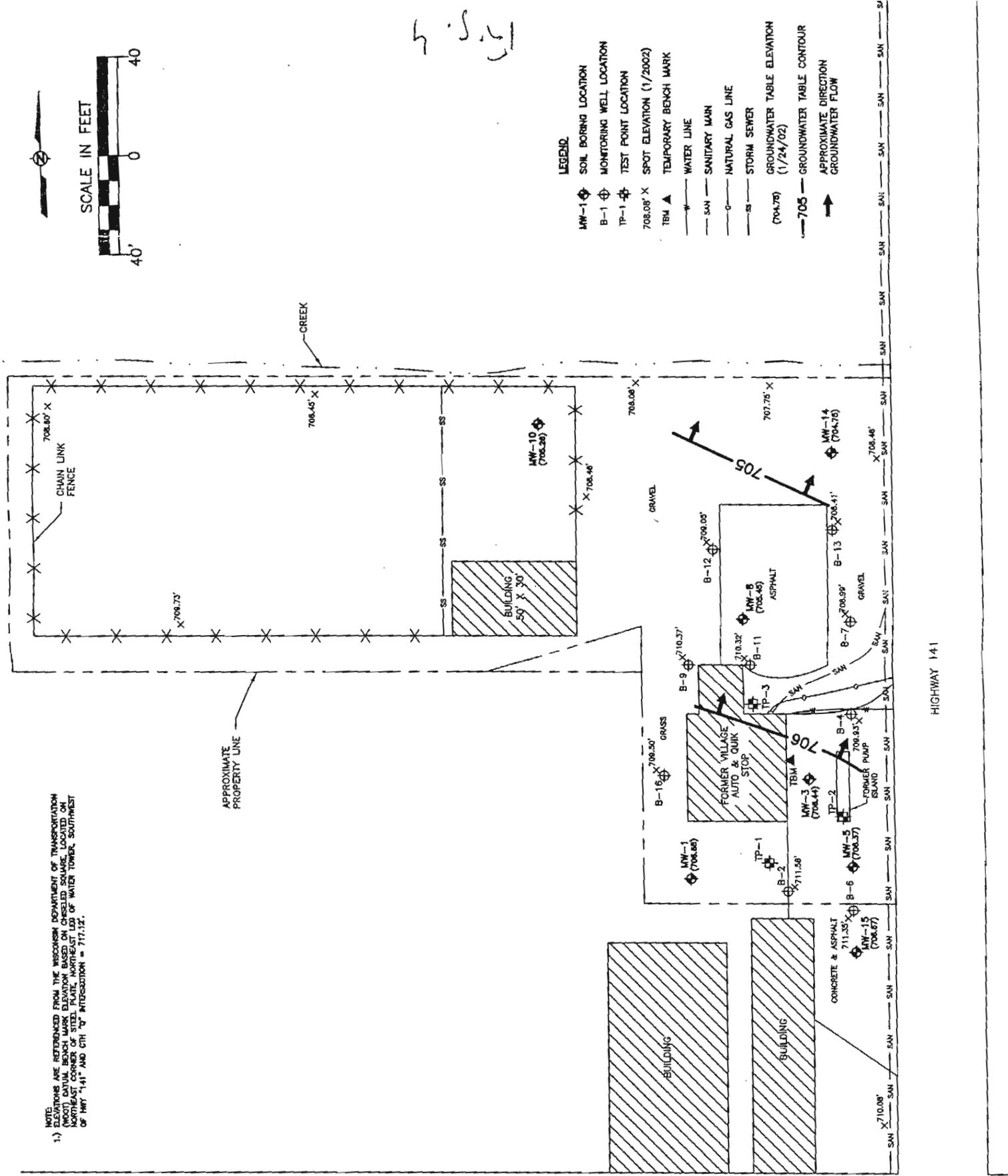
SITS PROJECT FILE
 427261W003.DWG

SCALE
 1" = 40'

FIGURE NO.
 4



- LEGEND:**
- MW-1 SOIL BORING LOCATION
 - B-1 MONITORING WELL LOCATION
 - TP-1 TEST POINT LOCATION
 - 708.08' X SPOT ELEVATION (1/2002)
 - TBM TEMPORARY BENCH MARK
 - W WATER LINE
 - SAN SANITARY MAIN
 - G NATURAL GAS LINE
 - SS STORM SEWER
 - (704.78) GROUNDWATER TABLE ELEVATION (1/24/02)
 - 705 GROUNDWATER TABLE CONTOUR
 - APPROXIMATE DIRECTION GROUNDWATER FLOW



CTH 0

TABLE 1
SOIL FIELD OBSERVATIONS AND ANALYTICAL RESULTS
FORMER VILLAGE AUTO & QUICK STOP
POUND, WISCONSIN

Boring ID	Sample No.	Depth (Feet)	Description	PID	Wet	Odor	Benzene $\mu\text{g}/\text{kg}$	Toluene $\mu\text{g}/\text{kg}$	Ethylbenzene $\mu\text{g}/\text{kg}$	Xylenes $\mu\text{g}/\text{kg}$	1,2,4-TMB $\mu\text{g}/\text{kg}$	1,3,5-TMB $\mu\text{g}/\text{kg}$	MTBE $\mu\text{g}/\text{kg}$	Lead mg/kg
TP-1 (12-20-01)	S-1	2 - 3	Fill: Brown Fine Silty Sand	50	No	Petroleum	<25	83	260	270	6,400	2,800	<25	--
	S-2	5 - 6	Fill: Brown Fine Silty Sand	5	Wet	Petroleum	--	--	--	--	--	--	--	--
TP-2 (12-20-01)	S-1	2	Fill: Brown Fine Silty Sand	250	No	Petroleum	28000+	650,000	140,000	1,300,000	1,100,000	380,000	<1,300	--
	S-2	3.5	Fill: Brown Fine Silty Sand	275	Wet	Petroleum	--	--	--	--	--	--	--	--
TP-3 (12-20-01)	S-1	2	Fill: Brown Fine Silty Sand	5	No	None	<25	45	<25	110	120	59	<25	--
	S-2	5 - 6	Fill: Brown Fine Silty Sand	4	Wet	None	--	--	--	--	--	--	--	--
MW-1 (1-14-02)	S-1	0.0 - 2.0	Fill: Brown Fine Silty Sand	0.6	No	None	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Fill: Brown Fine Silty Sand	2.8	No	None	<25	<25	<25	<75	<25	<25	<25	25
	S-3	5.0 - 7.0	Brown Fine Silty Sand	0.4	Wet	None	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	0.3	No	None	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	0.2	No	None	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	0.3	No	None	--	--	--	--	--	--	--	--
B-2 (1-14-02)	S-1	0.0 - 2.0	Fill: Brown Fine Silty Sand	1.1	No	None	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Fine Silty Sand	1.0	Wet	None	<25	73	89	250	250	65	<25	NA
	S-3	5.0 - 7.0	Brown Fine Silty Sand	0.5	Wet	None	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Fine Silty Sand	9.6	No	None	<25	46	340	470	1,600	210	<25	NA
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	3.2	No	None	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	3.0	No	None	--	--	--	--	--	--	--	--
MW-3 (1-14-02)	S-1	0.0 - 2.0	Concrete 0.0-0.3. Fill: Brown Fine Silty Sand	68.4	No	None	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Fine Silty Sand	1999	Wet	Strong Petroleum	14000+	510,000	220,000	1,000,000	700,000	460,000	<5000	52
	S-3	5.0 - 7.0	Brown Fine Silty Sand	1542	Wet	Strong Petroleum	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Fine Silty Sand	1171	Wet	Petroleum	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	274	No	None	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	172	No	None	33 (j)	140	78	420	720	210	<25	NA
	S-7	15.0 - 17.0	Brown Silty Sand and Gravel	--	No	None	--	--	--	--	--	--	--	--
B-4 (1-14-02)	S-1	0.0 - 2.0	Concrete 0.0-0.3. Fill: Brown Fine Silty Sand	1180	No	Petroleum	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Fine Silty Sand	1645	No	Petroleum	570 (j) *	13000 *	7,500	42000 *	74,000	24,000	<500	25
	S-3	5.0 - 7.0	Brown Fine Silty Sand	1096	No	Petroleum	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	889	No	Petroleum	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	913	No	None	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	333	No	None	--	--	--	--	--	--	--	--
	S-7	15.0 - 17.0	Brown Silty Sand and Gravel	28.1	No	None	--	--	--	--	--	--	--	--
	S-8	17.5 - 19.5	Brown Silty Sand and Gravel	14.3	No	None	--	--	--	--	--	--	--	--
WAC NR 720.09 Groundwater Pathway Generic RCL							5.5	1,500	2,900	4,100	--	--	--	--
WAC NR 720.11 Direct Contact Generic RCL							--	--	--	--	--	--	--	50
WAC NR 746 Table 1 Soil Screening Values							8,500	38,000	4,600	42,000	83,000	11,000	--	--
WAC NR 746 Table 2 Direct Contact Values							1,100	--	--	--	--	--	--	--

NOTES:

TMB = Trimethylbenzene

MTBE = methyl tert-butyl ether

WAC = Wisconsin Administrative Code

$\mu\text{g}/\text{kg}$ = micrograms per kilogram

mg/kg = milligrams per kilogram

2960 = Exceeds Both NR 720 groundwater pathway and NR 746 soil screening values

28,000+ = Exceeds NR 746 Table 2 direct contact values

60 * = Exceeds NR 720 groundwater pathway values

(j) = Detected at concentration between method detection limit and practical quantitation limit

TABLE 1
SOIL FIELD OBSERVATIONS AND ANALYTICAL RESULTS
FORMER VILLAGE AUTO & QUICK STOP
POUND, WISCONSIN

Boring ID	Sample No.	Depth (Feet)	Description	PID	Wet	Odor	Benzene µg/kg	Toluene µg/kg	Ethylbenzene µg/kg	Xylenes µg/kg	1,2,4-TMB µg/kg	1,3,5-TMB µg/kg	MTBE µg/kg	Lead mg/kg
MW-10 (1-15-02)	S-1	0.0 - 2.0	Brown Silty Sand and Trace Gravel	<0.1	No	None	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Sandy Silt and Trace Gravel	<0.1	Wet	None	<25	<25	<25	<75	<25	<25	<25	6.9 (j)
	S-3	5.0 - 7.0	Brown Sandy Silt and Gravel	<0.1	No	None	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Sandy Silt and Gravel	<0.1	Wet	None	--	--	--	--	--	--	--	--
B-11 (1-15-02)	S-1	0.0 - 2.0	Fill: Reddish Brown Silty Sand	<0.1	No	None	<25	<25	<25	<75	<25	<25	<25	<6
	S-2	2.5 - 4.5	Brown Silty Sand and Gravel	<0.1	Wet	None	--	--	--	--	--	--	--	--
B-12 (1-15-02)	S-1	0.0 - 2.0	Fill: Brown Silty Sand	<0.1	No	None	<25	<25	<25	<75	61 (j)	54	<25	9.8 (j)
	S-2	2.5 - 4.5	Dark Brown Organic Silt	--	--	--	--	--	--	--	--	--	--	--
	S-3	5.0 - 7.0	Dark Brown Organic Silt	<0.1	No	Organic	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	91.3	Wet	None	--	--	--	--	--	--	--	--
B-13 (1-15-02)	S-1	0.0 - 2.0	Fill: Brown Silty Sand	<0.1	No	None	<25	<25	<25	<75	<25	<25	<25	27
	S-2	2.5 - 4.5	Dark Brown Organic Silt	<0.1	Wet	None	--	--	--	--	--	--	--	--
	S-3	5.0 - 7.0	Dark Brown Organic Silt	123.7	Wet	None	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	122.0	Wet	None	--	--	--	--	--	--	--	--
MW-14 (1-15-02)	S-1	0.0 - 2.0	Brown Silty Sand Trace Gravel	<0.1	No	None	<25	<25	<25	<75	<25	<25	<25	<6
	S-2	2.5 - 4.5	Dark Brown Sandy Silt	<0.1	No	None	--	--	--	--	--	--	--	--
	S-3	5.0 - 7.0	Dark Brown Sandy Silt	<0.1	No	Organic	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	<0.1	Wet	None	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	<0.1	No	None	<25	27	86	290	320	48 (j)	<25	NA
MW-15 (1-15-02)	S-1	0.0 - 2.0	Concrete 0.0-0.3. Fill: Reddish Brown Fine Silty Sand	<0.1	No	None	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Fill: Reddish Brown Fine Silty Sand	<0.1	No	None	<25	<25	<25	<75	<25	<25	<25	38
	S-3	5.0 - 7.0	Fill: Reddish Brown Fine Silty Sand	<0.1	No	None	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	<0.1	No	None	<25	<25	<25	<75	<25	<25	<25	NA
B-16 (1-15-02)	S-1	0.0 - 2.0	Fill: Reddish Brown Fine Silty Sand	<0.1	No	None	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Silty Sand and Gravel	<0.1	No	None	<25	<25	<25	<75	<25	<25	<25	<6
	S-3	5.0 - 7.0	Brown Silty Sand and Gravel	<0.1	No	None	--	--	--	--	--	--	--	--
MW-19 (6-11-02)	S-1	1.5-2.5	Fill: Brown Fine Silty Sand	--	No	None	<250	1500 *	2,100	28000 *	37,000	13,000	<250	9.6
SS-2 (6-11-02)	S-1	0.5-1.0	Fill: Brown Fine Silty Sand	--	No	None	<25	<25	<25	<75	<25	<25	<25	--
WAC NR 720.09 Groundwater Pathway Generic RCL							5.5	1,500	2,900	4,100	--	--	--	--
WAC NR 720.11 Direct Contact Generic RCL							--	--	--	--	--	--	--	50
WAC NR 746 Table 1 Soil Screening Values							8,500	38,000	4,600	42,000	83,000	11,000	--	--
WAC NR 746 Table 2 Direct Contact Values							1,100	--	--	--	--	--	--	--

NOTES:

TMB = Trimethylbenzene

MTBE = methyl tert-butyl ether

WAC = Wisconsin Administrative Code

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

2960 = Exceeds Both NR 720 groundwater pathway and NR 746 soil screening values

60 * = Exceeds NR 720 groundwater pathway values

(j) = Detected at concentration between method detection limit and practical quantitation limit

TABLE 1
SOIL FIELD OBSERVATIONS AND ANALYTICAL RESULTS
FORMER VILLAGE AUTO & QUICK STOP
POUND, WISCONSIN

Boring ID	Sample No.	Depth (Feet)	Description	PID	Wet	Odor	Benzene $\mu\text{g}/\text{kg}$	Toluene $\mu\text{g}/\text{kg}$	Ethylbenzene $\mu\text{g}/\text{kg}$	Xylenes $\mu\text{g}/\text{kg}$	1,2,4-TMB $\mu\text{g}/\text{kg}$	1,3,5-TMB $\mu\text{g}/\text{kg}$	MTBE $\mu\text{g}/\text{kg}$	Lead mg/kg
MW-5 (1-14-02)	S-1	0.0 - 2.0	Concrete 0.0-0.3. Fill: Brown Fine Silty Sand	1540	No	Strong Petroleum	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Silty Sand and Gravel	1361	Wet	Strong Petroleum	90 *	1,100	930	4500 *	6,700	1,500	<25	<6
	S-3	5.0 - 7.0	Brown Silty Sand and Gravel	747	Wet	Strong Petroleum	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	1999	Wet	Petroleum	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	1999	--	Petroleum	--	--	--	--	--	--	--	--
B-6 (1-14-02)	S-1	0.0 - 2.0	Concrete 0.0-0.3. Fill: Brown Fine Silty Sand	212	No	None	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Silty Sand and Gravel	114.6	No	Petroleum	68 *	220	170	440	280	77	<25	63
	S-3	5.0 - 7.0	Brown Silty Sand and Gravel	--	--	--	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	109.1	Wet	Petroleum	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	77.8	No	None	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	70.4	No	None	--	--	--	--	--	--	--	--
B-7 (1-15-02)	S-1	0.0 - 2.0	Fill: Brown Fine Silty Sand	71.8	No	Petroleum	--	--	--	--	--	--	--	--
	S-2	2.5 - 4.5	Brown Silty Sand and Gravel	1999	No	None	<25	60	36	<75	270	88	<25	19 (j)
	S-3	5.0 - 7.0	Brown Silty Sand and Gravel	--	--	--	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Silty Sand and Gravel	59.3	Wet	Petroleum	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	172.3	Wet	Petroleum	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	2.1	No	None	30 (j)	<25	37	170	170	66	<25	<6
MW-8 (1-15-02)	S-1	0.0 - 2.0	Concrete 0.0-0.3. Fill: Brown Fine Silty Sand	<0.1	No	None	<25	<25	<25	<75	<25	<25	<25	<6
	S-2	2.5 - 4.5	Brown Sandy Silt and Gravel	<0.1	Wet	None	--	--	--	--	--	--	--	--
	S-3	5.0 - 7.0	Brown Sandy Silt and Gravel	<0.1	Wet	None	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Sandy Silt and Gravel	467	Wet	Petroleum	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Sandy Silt and Gravel	639	Wet	Petroleum	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	12.3	No	None	--	--	--	--	--	--	--	--
	S-7	15.0 - 17.0	Brown Silty Sand and Gravel	15.5	No	None	--	--	--	--	--	--	--	--
B-9 (1-15-02)	S-1	0.0 - 2.0	Fill: Brown Fine Silty Sand	<0.1	No	None	<25	26	<25	<75	50 (j)	<25	<25	9.4 (j)
	S-2	2.5 - 4.5	Brown Sandy Silt and Gravel	<0.1	Wet	None	--	--	--	--	--	--	--	--
	S-3	5.0 - 7.0	Brown Sandy Silt and Gravel	<0.1	Wet	Organic	--	--	--	--	--	--	--	--
	S-4	7.5 - 9.5	Brown Sandy Silt and Gravel	1999	Wet	Organic	--	--	--	--	--	--	--	--
	S-5	10.0 - 12.0	Brown Silty Sand and Gravel	1048	No	None	--	--	--	--	--	--	--	--
	S-6	12.5 - 14.5	Brown Silty Sand and Gravel	763	No	None	--	--	--	--	--	--	--	--
	S-7	15.0 - 17.0	Brown Silty Sand and Gravel	--	--	--	--	--	--	--	--	--	--	--
WAC NR 720.09 Groundwater Pathway Generic RCL							5.5	1,500	2,900	4,100	--	--	--	--
WAC NR 720.11 Direct Contact Generic RCL							--	--	--	--	--	--	--	50
WAC NR 746 Table 1 Soil Screening Values							8,500	38,000	4,600	42,000	83,000	11,000	--	--
WAC NR 746 Table 2 Direct Contact Values							1,100	--	--	--	--	--	--	--

NOTES:

TMB = Trimethylbenzene

MTBE = methyl tert-butyl ether

WAC = Wisconsin Administrative Code

$\mu\text{g}/\text{kg}$ = micrograms per kilogram

mg/kg = milligrams per kilogram

2960 = Exceeds Both NR 720 groundwater pathway and NR 746 soil screening values

60 * = Exceeds NR 720 groundwater pathway values

(j) = Detected at concentration between method detection limit and practical quantitation limit

Table 2
PAH Soil Analytical Results
Former Village Auto & Quick Stop
Pound, Wisconsin

Sample No. Sample Depth		B-2 S-2 2.5 - 4.5 (1/15/02)	B-11 S-1 0.0 - 2.0 (1/15/02)	SS-1 0.5-1.0 (6/11/02)	SS-2 0.5-1.0 (6/11/02)	SS-3 0.5-1.0 (6/11/02)	SS-4 0.5-1.0 (6/11/02)	Suggested Generic Residual Contaminant Levels (RCLs) for PAH Compounds in Soil (1997 Interim Guidance)				
								Groundwater Pathway	Direct Contact Pathway			
									Non-industrial		Industrial	
									Ingestion	Inhalation	Ingestion	Inhalation
<i>PAHs</i>												
Acenaphthene	(µg/kg)	<13	<13	<41	<41	<41	<41	38,000	900,000	nd	60,000,000	nd
Acenaphthylene	(µg/kg)	23 (j)	570	<42	<42	<42	<42	700	18,000	nd	390,000	360,000
Anthracene	(µg/kg)	14 (j)	350	<34	<34	<34	<34	3,000,000	5,000,000	nd	300,000,000	nd
Benzo(a)anthracene	(µg/kg)	45	1100	<54	<54	<54	<54	17,000	88	11,000	3,900	150,000
Benzo(a)pyrene	(µg/kg)	58	1000	<59	<59	<59	<59	48,000	8.8	1,600	390	22,000
Benzo(b)fluoranthene	(µg/kg)	45 (j)	1200	<42	<42	<42	<42	360,000	88	4,600	3,900	65,000
Benzo(g,h,i)perylene	(µg/kg)	50	380	<82	<82	<82	<82	6,800,000	1,800	1,100,000	39,000	7,700,000
Benzo(k)fluoranthene	(µg/kg)	52 (j)	850	<79	<79	<79	<79	870,000	880	380,000	39,000	5,300,000
Chrysene	(µg/kg)	49	1000	<38	<38	<38	<38	37,000	8,800	270,000	390,000	3,800,000
Dibenzo(a,h)anthracene	(µg/kg)	<10	280	<76	<76	<76	<76	38,000	8.8	7,800	390	110,000
Fluoranthene	(µg/kg)	46	1400	<42	<42	<42	<42	500,000	600,000	nd	40,000,000	nd
Fluorene	(µg/kg)	<11	17 (j)	<41	<41	<41	<41	100,000	600,000	nd	40,000,000	nd
Indeno(1,2,3-cd)pyrene	(µg/kg)	24 (j)	400	<69	<69	<69	<69	680,000	88	54,000	3,900	750,000
1-Methylnaphthalene	(µg/kg)	20 (j)	17 (j)	<37	<37	<37	<37	23,000	1,100,000	nd	70,000,000	nd
2-Methylnaphthalene	(µg/kg)	32 (j)	20 (j)	<72	<72	<72	<72	20,000	600,000	nd	40,000,000	nd
Naphthalene	(µg/kg)	23 (j)	17 (j)	<40	<40	<40	<40	400	60,000	20,000	4,000,000	110,000
Phenanthrene	(µg/kg)	28 (j)	250	<20	<20	<20	<20	1,800	18,000	160,000	390,000	1,100,000
Pyrene	(µg/kg)	61	1400	<58	<58	<58	<58	8,700,000	500,000	nd	30,000,000	nd

Notes:

- 50 = Exceeds Suggested Generic Non-Industrial Direct Contact RCL.
- nd = not determined
- µg/kg = micrograms per kilogram
- (j) = Detected at concentration between method detection limit and practical quantitation limit.

Table 2
 Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
 OMI Job # 2045

Well Id.	Date Installed	Screen Bottom feet	Screen Top feet	PVC Elevation MSL, feet	Date Sampled	Depth to GW feet	GW Elevation MSL, feet	Benzene ppb	Ethyl-benzene ppb	MTBE ppb	Naphthalene ppb	Toluene ppb	TNMBs ppb	Xylenes ppb	Location	
MW-1	1 16 02	13.5	3.5	710.30	1 24 02	3.62	706.68	< 0.25	< 0.12	< 0.53	< 0.68	< 0.22	< 0.50	< 0.74	On-site, SW of Bldg.	
				710.30	6 18 02	1.96	708.34	< 0.43	< 0.49	< 0.49	NT	< 0.63	< 1.14	< 1.5		
				710.30	10 12 04	4.30	706.00	< 0.50	5.00	0.511	< 8.0	< 5.0	< 10	5.00		
				710.30	7 16 05	5.18	705.12	< 0.25	< 0.22	< 0.23	< 0.50	< 0.11	< 0.44	0.39		
				710.30	10 25 06	2.90	707.40	< 0.25	< 0.22	< 0.23		< 0.11	< 0.44	0.39		
				710.30	5 24 07	2.18	708.12	< 0.22	< 0.44	< 0.53	< 0.53	0.26	< 0.67	< 1.23		
MW-3	1 16 02	13.5	3.5	710.24	1 24 02	3.80	706.44	17000	4500	< 270	750	67000	6100	19400	On-site, E of Bldg.	
				710.24	6 18 02	2.15	708.09	9300	2900	< 0.49	770	39000	5400	14000		
				710.24	10 12 04	4.53	705.71	5020	1910	85	389	30900	3377	9950		
				710.24	7 16 05	4.63	705.61	8400	3100	< 92	720	50000	4140	16000		
				710.24	10 25 06	2.60	707.64	410	450	< 9.2	190	2800	1180	2400		
				710.24	5 24 07	3.50	706.74	3600	1930	< 53	400	26400	3200	9900		
MW-5	1 16 02	13.5	3.5	710.40	1 24 02	4.03	706.37	21000	6500	< 270	600	65000	6000	25700	On-site, SE of Bldg.	
				710.40	6 18 02	2.05	708.35	9300	4700	< 49	740	39000	6100	21000		
				710.40	10 12 04	4.85	705.55	9820	4010	61.40	533	37000	4548	16700		
				710.40	7 16 05	5.30	705.10	17000	4800	< 92	850	50000	5700	22000		
				710.40	10 25 06	2.88	707.52	6600	2300	< 92	780	28000	6800	20000		
				710.40	5 24 07	Appears to have been abandoned by WDOT										
MW-8	1 16 02	13.5	3.5	709.31	1 24 02	3.86	705.45	140	270	< 27	140	160.00	550	1640	On-site, N of Bldg.	
				709.31	6 18 02	2.05	707.26	25	70.00	< 10	56	29.00	217	440.00		
				709.31	10 12 04	3.99	705.32	476	265	71	162	268	476	1680		
				709.31	7 16 05	4.72	704.59	9.90	92	< 1.1	85	45.00	278	650		
				709.31	10 25 06	2.49	706.82	< 1.4	22	< 0.46	15	6.40	54	130		
				709.31	5 24 07	3.19	706.12	1.09	1.31	< 0.53	0.69	0.37	0.55	1.59		
MW10	1 16 02	13.5	3.5	708.01	1 24 02	2.75	705.26	< 0.25	< 0.12	< 0.53	< 0.68	< 0.22	< 0.50	< 0.74	On-site, NW of Bldg.	
				708.01	6 18 02	2.22	705.79	< 0.43	< 0.49	< 0.49	NT	< 0.63	< 1.14	< 1.5		
				708.01	10 12 04	2.97	705.04	< 0.50	< 5.00	< 0.511	< 8.0	< 5.0	< 10	< 5.00		
				708.01	7 16 05	4.49	703.52	< 0.25	< 0.22	< 0.23	< 0.50	< 0.11	< 0.44	< 0.39		
				708.01	10 25 06	2.50	705.51	< 0.50	< 0.44	< 0.46		< 0.22	< 0.88	< 0.78		
				708.01	5 24 07	2.75	705.26	< 0.22	< 0.44	< 0.53	< 0.53	0.26	< 0.67	< 1.23		
MW-14	1 16 02	13.5	3.5	707.51	1 24 02	2.76	704.75	60	75.00	< 2.7	18	42.00	75.00	189.00	On-site, NE Corner of lot	
				707.51	6 18 02	1.71	705.80	27	67.00	0.50	23	18.00	99	160.00		
				707.51	10 12 04	Not Found										
				707.51	7 16 05	Not Found										
				707.51	10 25 06	Not Found										
				707.51	5 24 07	3.75	703.76	12.40	58.00	< 5.3	25	17.20	88	141.70		
MW-15	1 16 02	13.5	3.5	711.08	1 24 02	4.41	706.67	0.54	0.40	< 0.53	< 0.68	1.00	< 0.50	< 0.74	Off-site, SE of Site	
				711.08	6 18 02	2.33	708.75	< 0.43	< 0.49	< 0.49	NT	< 0.63	< 1.14	< 1.5		
				711.08	10 12 04	4.95	706.13	< 0.50	< 5.00	0.57	< 8.0	< 5.0	< 10	< 5.00		
				711.08	7 16 05	5.04	706.04	< 0.25	< 0.22	< 0.23	< 0.50	< 0.27	< 0.44	0.74		
				711.08	10 25 06	3.59	707.49	< 0.25	1.00	< 0.23		< 0.11	< 0.44	0.66		
				711.08	5 24 07	Appears to have been abandoned by WDOT										

Table 2
 Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
 OMI Job # 2045

Well Id	Date Installed	Screen Bottom feet	Screen Top feet	PWT Elevation MSL feet	Date Sampled	Depth to GW feet	GW Elevation MSL feet	Benzene ppb	Ethyl-benzene ppb	MTBE ppb	Naphthalene ppb	Toluene ppb	EMBs ppb	Xylenes ppb	Location	
MW-17	6/11/02 Post-Excavation	6.5	1.5	708.30	6/18/02			0.43	0.49	0.49	1.4	0.63	1.14	1.5	Off-site, E of HWY 141	
				708.30	10/12/04	Not Found										
				708.30	7/16/05	Not Found										
				708.30	10/25/06	Not Found										
				708.30	5/24/07	Not Found										
MW-18	6/11/02 Post-Excavation	6.5	1.5	707.24	6/18/02	1.94	705.30	1.70	0.49	0.49	1.4	0.63	1.14	1.60	On-site, NE Corner of lot	
				707.24	10/12/04	2.47	704.77	0.50	5.00	0.511	8.0	5.0	10	5.00		
				707.24	7/16/05	Not Found										
				707.24	10/25/06	Not Found										
				707.24	5/24/07	1.98	705.26	1.95	0.44	0.53	0.53	0.90	0.67	0.84		
MW-19	6/11/02 Post-Excavation	6	1	709.41	6/18/02	1.76	707.65	200	360	10	200.00	40.00	1620	2900	Off-site, W ROW of HWY 141	
				709.41	10/12/04	4.72	704.69									
				709.41	7/16/05	Dry										
				709.41	10/25/06	Dry										
				709.41	5/24/07	Appears to have been abandoned by WDOT										
Creek				10/12/04			0.50	5.00	0.511	8.0	5.0	10	5.00			
Road Sump				5/24/07			58	0.46	0.53	0.53	77.00	15.52	84.20			
Preventive Action Limit (PAL)								0.50	140.00	12.00	10.00	200.00	96.00	1000.00		
Enforcement Standard (ES)								5.00	700.00	60.00	100.00	1000.00	480.00	10000.00		

Note:

Bold data represent concentrations exceeding the PAL.

More detection limit than the PAL limit indicates the exceedence of PAL.

SOURCE PROPERTY

IMPROPERLY ABANDONED MONITORING WELL

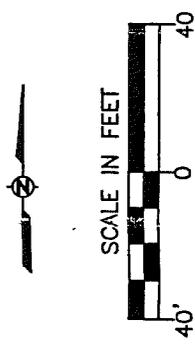
DESIGNED BY	RJM	DATE	7-08-02
DRAWN BY	JLC	DATE	7-08-02
APPROVED BY	RJM	DATE	7-08-02
CADFILE	X:\PROJECTS\DWG2001\27261W\427261W006.dwg		
XREF			

BORING/MONITORING WELL LOCATION DIAGRAM
 FORMER VILLAGE AUTO & QUICK STOP
 4004 U.S. HIGHWAY "141"
 POUND, WISCONSIN



STS Consultants Ltd.
 Consulting Engineers
 1035 Kepler Dr.
 Green Bay, WI 54311
 920.488.1978

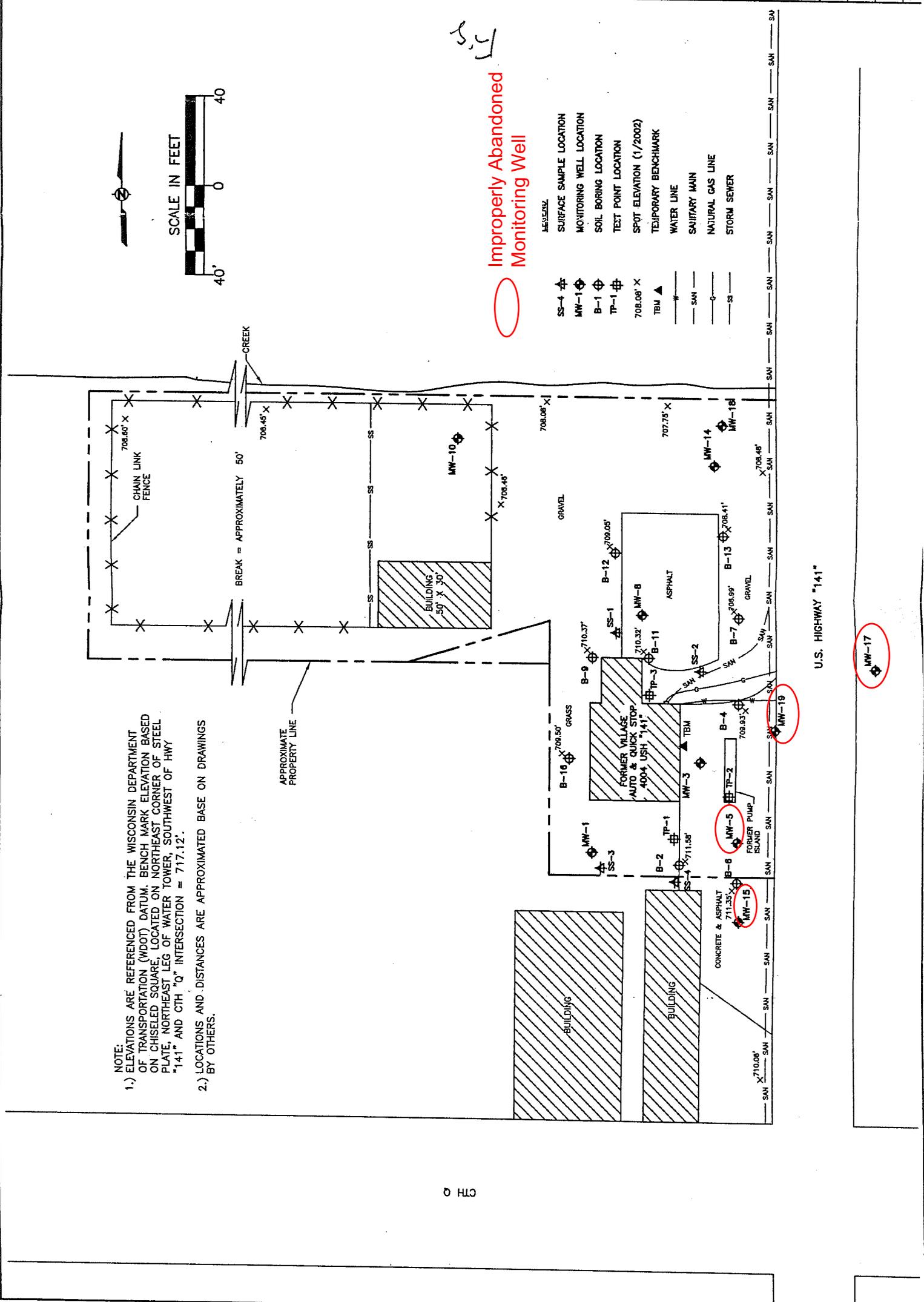
STS PROJECT NO.	27261W
STS PROJECT FILE	427261W006.DWG
SCALE	1" = 40'
FIGURE NO.	0



Improperly Abandoned Monitoring Well

- SS-4
- MW-1
- B-1
- TP-1
- 708.08' X
- TBM
- W
- SAN
- SG
- SS
- MW
- B
- TP
- X
- TBM
- W
- SAN
- SG

NOTE:
 1.) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) DATUM. BENCH MARK ELEVATION BASED ON CHISELED SQUARE, LOCATED ON NORTHEAST CORNER OF STEEL PLATE, NORTHEAST LEG OF WATER TOWER, SOUTHWEST OF HWY "141" AND CTH "Q" INTERSECTION = 717.12'.
 2.) LOCATIONS AND DISTANCES ARE APPROXIMATED BASE ON DRAWINGS BY OTHERS.



CTH 0

Facility/Project Name: Former Village Auto & Quick Stop
 Local Grid Location of Well: ft. N. ft. E. ft. S. ft. W.
 Well Name: MW-5
 Facility License, Permit or Monitoring No.:
 Grid Origin Location (Check if estimated:)
 Lat. " Long. " or
 Facility ID: St. Plane ft. N. ft. E. S/C/N
 Date Well Installed: 01/16/2002
 Type of Well: Well Code 11/mw
 Section Location of Waste/Source: SE 1/4 of SW 1/4 of Sec. 2, T. 30 N, R. 20
 Well Installed By: (Person's Name and Firm) Brian Repinski
 Distance Well Is From Waste/Source Boundary ft. u s d n
 Location of Well Relative to Waste/Source: u s d n
 Environmental Drilling Services

A. Protective pipe, top elevation 711.02 ft. MSL
 B. Well casing, top elevation 710.40 ft. MSL
 C. Land surface elevation 711.0 ft. MSL
 D. Surface seal, bottom 710.0 ft. MSL or 1.0 ft.

1. Cap and lock? Yes No
 2. Protective cover pipe:
 a. Inside diameter: 9.0 in.
 b. Length: 1.0 ft.
 c. Material: Steel 04
 Other
 d. Additional protection? Yes No
 If yes, describe:
 3. Surface seal: Bentonite 30
 Concrete 01
 Other
 4. Material between well casing and protective pipe: Bentonite 30
 Other
 5. Annular space seal:
 a. Granular Bentonite 33
 b. Lbs/gal mud weight . Bentonite-sand slurry 35
 c. Lbs/gal mud weight . . . Bentonite slurry 31
 d. % Bentonite . . . Bentonite-cement grout 50
 e. Ft³ volume added for any of the above
 f. How installed: Tremie 01
 Tremie pumped 02
 Gravity 08
 6. Bentonite seal:
 a. Bentonite granules 33
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
 c. Other
 7. Fine sand material: Manufacturer, product name and mesh size
 a. Badger Mining Corporation
 b. Volume added 0.5 ft³
 8. Filter pack material: Manufacturer, product name and mesh size
 a. Badger 45/55 Silica Sand
 b. Volume added 3.2 ft³
 9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other
 10. Screen material: PVC
 a. Screen Type: Factory cut 11
 Continuous slot 01
 Other
 b. Manufacturer Johnson
 c. Slot size: 0.010 in.
 d. Slotted length: 10.0 ft.
 11. Backfill material (below filter pack): None 14
 Other

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock
 13. Sieve analysis attached? Yes No
 14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other
 15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99
 16. Drilling additives used? Yes No
 Describe:
 17. Source of water (attach analysis):

E. Bentonite seal, top 710.0 ft. MSL or 1.0 ft.
 F. Fine sand, top 708.5 ft. MSL or 2.5 ft.
 G. Filter pack, top 708.5 ft. MSL or 2.5 ft.
 H. Screen joint, top 707.5 ft. MSL or 3.5 ft.
 I. Well bottom 697.5 ft. MSL or 13.5 ft.
 J. Filter pack, bottom 697.0 ft. MSL or 14.0 ft.
 K. Borehole, bottom 697.0 ft. MSL or 14.0 ft.
 L. Borehole, diameter 8.0 in.
 M. O.D. well casing 2.35 in.
 N. I.D. well casing 2.04 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: Robert J. Mottel Firm: STS Consultants Ltd. Tel: 920-468-1978
 1035 Kepler Drive, Green Bay, Wisconsin Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

IMPROPERLY ABANDONED MONITORING WELL

SOURCE PROPERTY

Washed/Wastewater
 Radiation/Redevelopment

Waste Management
 Other

MONITORING WELL CONSTRUCTION
 Form 4400-113A Rev. 6-97

Facility/Project Name: Former Village Auto & Quick Stop
 Facility License, Permit or Monitoring No.: _____
 Facility ID: _____
 Type of Well: Well Code 11/mw
 Distance Well Is From Waste/Source Boundary: _____ ft.

Local Grid Location of Well: _____ ft. N. _____ ft. E. _____ ft. S. _____ ft. W.
 Grid Origin Location: _____ (Check if estimated:)
 Lat. _____ " Long. _____ " or _____ " or _____ "
 St. Plane: _____ ft. N, _____ ft. E. S/C/N
 Section Location of Waste/Source: SE 1/4 of SW 1/4 of Sec. 2 T. 30 N. R. 20 E W
 Location of Well Relative to Waste/Source:
 u Upgradient s Sidegradient
 d Downgradient n Not Known

Well Name: MW-15
 Wis. Unique Well No./DNR Well Number: _____
 Date Well Installed: 01/16/2002
 Well Installed By: (Person's Name and Firm) Brian Repinski
 Environmental Drilling Services

- A. Protective pipe, top elevation 711.61 ft. MSL
- B. Well casing, top elevation 711.08 ft. MSL
- C. Land surface elevation 711.7 ft. MSL
- D. Surface seal, bottom 710.7 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis attached? Yes No

14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 Other _____

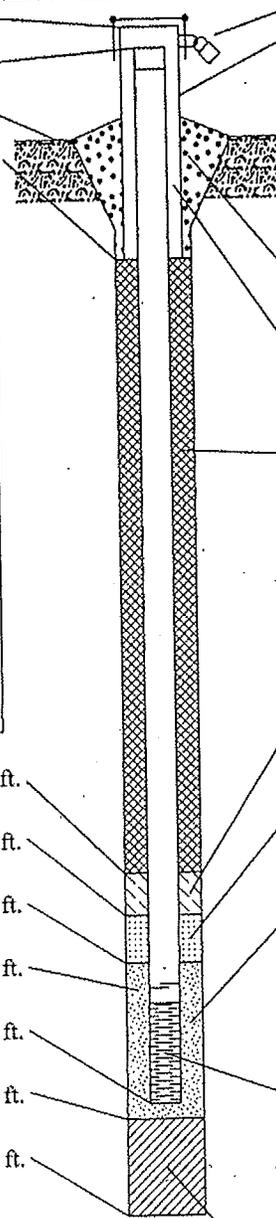
15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No

Describe: _____

17. Source of water (attach analysis): _____

- E. Bentonite seal, top 710.7 ft. MSL or 1.0 ft.
- F. Fine sand, top 709.2 ft. MSL or 2.5 ft.
- G. Filter pack, top 709.2 ft. MSL or 2.5 ft.
- H. Screen joint, top 708.2 ft. MSL or 3.5 ft.
- I. Well bottom 698.2 ft. MSL or 13.5 ft.
- J. Filter pack, bottom 697.7 ft. MSL or 14.0 ft.
- K. Borehole, bottom 697.7 ft. MSL or 14.0 ft.
- L. Borehole, diameter 8.0 in.
- M. O.D. well casing 2.35 in.
- N. I.D. well casing 2.04 in.



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 9.0 in.
 - b. Length: 1.0 ft.
 - c. Material: Steel 0 4
Other _____
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 3 0
Concrete 0 1
Other _____
- 4. Material between well casing and protective pipe: Bentonite 3 0
Other _____
- 5. Annular space seal:
 - a. Granular Bentonite 3 3
 - b. _____ Lbs/gal mud weight . Bentonite-sand slurry 3 5
 - c. _____ Lbs/gal mud weight . . . Bentonite slurry 3 1
 - d. _____ % Bentonite . . . Bentonite-cement grout 5 0
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8
- 6. Bentonite seal:
 - a. Bentonite granules 3 3
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 3 2
 - c. _____ Other _____
- 7. Fine sand material: Manufacturer, product name and mesh: Badger Mining Corporation
- 8. Filter pack material: Manufacturer, product name and mesh: Badger 45/55 Silica Sand
- 9. Well casing: Flush threaded PVC schedule 40 2 3
Flush threaded PVC schedule 80 2 4
Other _____
- 10. Screen material: PVC
 - a. Screen Type: Factory cut 1 1
Continuous slot 0 1
Other _____
 - b. Manufacturer Johnson
 - c. Slot size: 0.010 in.
 - d. Slotted length: 10.0 ft.
- 11. Backfill material (below filter pack): None 1 4
Other _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: Robert J. Mottel Firm: STS Consultants Ltd. Tel: 920-468-197
 1035 Kepler Drive, Green Bay, Wisconsin Fax: 920-468-337

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

IMPROPERLY ABANDONED MONITORING WELL

SOURCE PROPERTY

Remediation/Wastewater Remediation/Redevelopment

Waste Management Other

MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 6-97

Facility/Project Name: Former Village Auto & Quick Stop
Facility License, Permit or Monitoring No.

Local Grid Location of Well: ft. N. E. S. W.
Grid Origin Location (Check if estimated:)
Lat. _____ Long. _____ or

Well Name: MW-17
Wis. Unique Well No. _____ DNR Well Number _____

Facility ID

St. Plane _____ ft. N, _____ ft. E. S/C/N
Section Location of Waste/Source

Date Well Installed: 06/11/2002

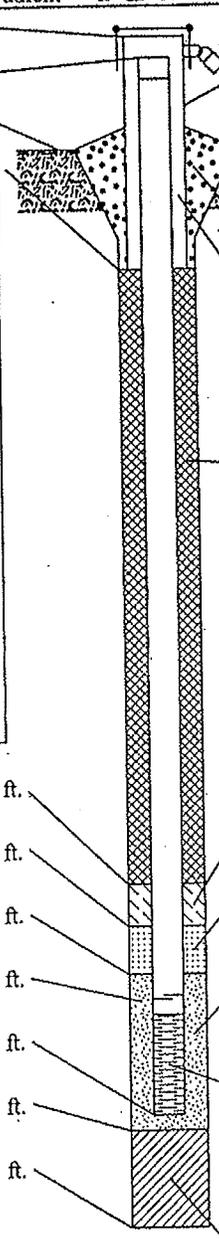
Type of Well: Well Code 11/mw

Location of Well Relative to Waste/Source: SE 1/4 of SW 1/4 of Sec. 2, T. 30 N, R. 20 W E W
u Upgradient s Sidegradient
d Downgradient n Not Known

Well Installed By: (Person's Name and Firm)
Jim Calaway
STS Consultants Ltd.

Distance Well Is From Waste/Source Boundary: _____ ft.

A. Protective pipe, top elevation: 708.64 ft. MSL
B. Well casing, top elevation: 708.30 ft. MSL
C. Land surface elevation: 708.7 ft. MSL
D. Surface seal, bottom: 707.7 ft. MSL or 1.0 ft.



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 4.0 in
 - b. Length: 1.0 ft
 - c. Material: Steel 04 Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 30 Concrete 01 Other
- 4. Material between well casing and protective pipe: Bentonite 30 Other
- 5. Annular space seal:
 - a. Granular Bentonite 33
 - b. _____ Lbs/gal mud weight . Bentonite-sand slurry 35
 - c. _____ Lbs/gal mud weight . . . Bentonite slurry 31
 - d. _____ % Bentonite . . . Bentonite-cement grout 50
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 01 Tremie pumped 02 Gravity 08
- 6. Bentonite seal:
 - a. Bentonite granules 32
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name and mesh
a. Badger Mining Corporation
- b. Volume added _____ ft³
- 8. Filter pack material: Manufacturer, product name and mesh
a. Badger 45/55 Silica Sand
- b. Volume added _____ ft³
- 9. Well casing: Flush threaded PVC schedule 40 2: Flush threaded PVC schedule 80 2: Other
- 10. Screen material: PVC
a. Screen Type: Factory cut 1 Continuous slot 0 Other
b. Manufacturer: Crestline
- c. Slot size: 0.010
- d. Slotted length: 5.0
- 11. Backfill material (below filter pack): None 1 Other

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis attached? Yes No

14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Hand auger Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top: 707.7 ft. MSL or 1.0 ft.
 F. Fine sand, top: 707.2 ft. MSL or 1.5 ft.
 G. Filter pack, top: 707.2 ft. MSL or 1.5 ft.
 H. Screen joint, top: 707.2 ft. MSL or 1.5 ft.
 I. Well bottom: 702.2 ft. MSL or 6.5 ft.
 J. Filter pack, bottom: 702.2 ft. MSL or 6.5 ft.
 K. Borehole, bottom: 702.2 ft. MSL or 6.5 ft.
 L. Borehole, diameter: 6.0 in.
 M. O.D. well casing: 2.35 in.
 N. I.D. well casing: 2.04 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: Robert J. Mottel Firm: STS Consultants Ltd. 1035 Kepler Drive, Green Bay, Wisconsin
 Tel: 920-468-15 Fax: 920-468-3:

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file the information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should sent.

IMPROPERLY ABANDONED MONITORING WELL

SOURCE PROPERTY

Remediated/Wastewater Remediation/Redevelopment

Waste Management Other

MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 6-97

Facility/Project Name Former Village Auto & Quick Stop	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-19
Facility License, Permit or Monitoring No.	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or _____	Wis. Unique Well No. / DNR Well Number
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 06/11/2002
Type of Well Well Code 11/mw	Section Location of Waste/Source SE 1/4 of SW 1/4 of Sec. 2, T. 30 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Jim Calaway
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	STS Consultants Ltd.

- A. Protective pipe, top elevation 709.82 ft. MSL
- B. Well casing, top elevation 709.41 ft. MSL
- C. Land surface elevation 709.8 ft. MSL
- D. Surface seal, bottom 709.3 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

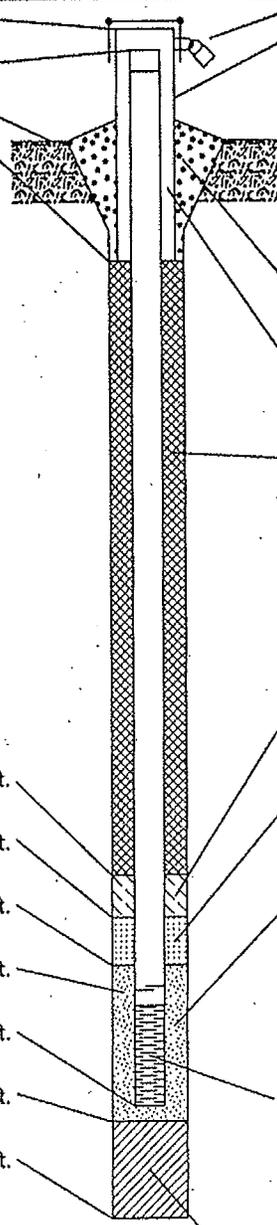
13. Sieve analysis attached? Yes No

14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Hand auger Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis): _____



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 4.0 in.
 - b. Length: 1.0 ft.
 - c. Material: Steel 04
Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 30
Concrete 01
Other
- 4. Material between well casing and protective pipe: Bentonite 30
Other
- 5. Annular space seal:
 - a. Granular Bentonite 33
 - b. _____ Lbs/gal mud weight . Bentonite-sand slurry 35
 - c. _____ Lbs/gal mud weight . . . Bentonite slurry 31
 - d. _____ % Bentonite . . . Bentonite-cement grout 50
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
- 6. Bentonite seal:
 - a. Bentonite granules 33
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name and mesh size
 a. Badger Mining Corporation
 b. Volume added _____ ft³
- 8. Filter pack material: Manufacturer, product name and mesh size
 a. Badger 45/55 Silica Sand
 b. Volume added _____ ft³
- 9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other
- 10. Screen material: PVC
 a. Screen Type: Factory cut 11
 Continuous slot 01
 Other
 b. Manufacturer Crestline
 c. Slot size: 0.010 in.
 d. Slotted length: 5.0 ft.
- 11. Backfill material (below filter pack): None 14
 Other

- E. Bentonite seal, top 709.3 ft. MSL or 0.5 ft.
- F. Fine sand, top 708.8 ft. MSL or 1.0 ft.
- G. Filter pack, top 708.8 ft. MSL or 1.0 ft.
- H. Screen joint, top 708.8 ft. MSL or 1.0 ft.
- I. Well bottom 703.8 ft. MSL or 6.0 ft.
- J. Filter pack, bottom 703.8 ft. MSL or 6.0 ft.
- K. Borehole, bottom 703.8 ft. MSL or 6.0 ft.
- L. Borehole, diameter 6.0 in.
- M. O.D. well casing 2.35 in.
- N. I.D. well casing 2.04 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature Robert Mott Firm STS Consultants Ltd. Tel: 920-468-1978
 1035 Kepler Drive, Green Bay, Wisconsin Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent

Impacted Off-Source Property Information

Form 4400-246 (R 3/08)

This fillable form is intended to provide a list of information that must be submitted for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request (Section H). 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 #:

ACTIVITY NAME:

ID	Off-Source Property Address	Parcel Number	WTM X	WTM Y
<input type="text" value="A"/>	<input type="text" value="2001 CTH Q, Pound, WI (Owens)"/>	<input type="text" value="171-00150"/>	<input type="text" value="674685"/>	<input type="text" value="515328"/>
<input type="text" value="B"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="C"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="D"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="E"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="F"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="G"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="H"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="I"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

OFF-SOURCE
A
PROPERTY

OM ENTERPRISES, INC.
4765 N 158th Street, Brookfield, WI 53005-1032
Tel: (262) 790 - 0742 Fax: (262) 790 - 6769

March 25, 2009

Certified Mail

Paulette R. Owens
P. O. Box 103
Pound, WI 54161-0103

Project # 2045

Subject: Notification of Potential Groundwater Contamination Exceeding WDNR
Administrative Code Chapter NR 140 Enforcement Standards at Your Property from
the Former Village Auto & Quick Stop, 4004 STH 141, Pound, WI
PECFA # 54161 - 9726 - 04 BRRTS # 03 - 38 - 118368

Dear Paulette R. Owens:

The purpose of this letter is to satisfy the requirements of Appendix A of Chapter NR 726 of the Wisconsin Administrative Code. The project is described as follows:

1. Groundwater contamination appears to have been originated at [the Former Village Auto & Quick Stop, 4004 STH 141, Pound, Wisconsin].
2. Based on the groundwater quality data of monitoring well MW-5, it appears that the contamination has migrated to your property located at [**2001 County Road Q, Pound, Wisconsin, Parcel # 171-00150.000**]. The copy of the Warranty Deed and Marinette County Base Parcel Information sheet are enclosed for your review. The locations of the monitoring wells are shown in the attached Figure. Groundwater quality data are summarized in Table 1.
3. The concentration of benzene, ethylbenzene, toluene, trimethylbenzenes (TMBs), methyl tertiary butyl ether (MTBE), toluene, and naphthalene in MW-5 exceeds their respective Enforcement Standards (ES) as set forth in Wisconsin Administrative Code NR 140.
4. OM believes that the contamination would naturally degrade over time and the Wisconsin Department of Commerce would grant case closure with natural attenuation. If the closure is granted, State would not require any further investigation or clean up activity at the source property and your property.
5. Neither you nor any subsequent owner of your property would be held responsible for investigation or clean up of this groundwater contamination. To obtain a copy of the Department of Natural Resources "Publication # RR589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-site Contamination," you may visit <http://www.dnr.wi.gov/org/aw/rr/archives/pubs/RR589.pdf>.

6. Wisconsin Department of Natural Resources will review the case closure for the former Village Auto & Quick Stop at least 30 days after the date of this letter. If you have any questions regarding this letter, please contact Ms. Kristin DuFresne, Hydro-geologist, Wisconsin Department of Natural Resources, 2984 Shawano Avenue, Green Bay, WI 54307-0448. She can be reached at (920) 662 – 5443.
7. If this case is closed, your property may be listed on Department of Natural Resources Geographic Information System (GIS) Registry of Closed Remedial Sites.
8. Please review the enclosed legal description of your property and notify the WDNR within the next 30 days about any discrepancy.
9. If the WDNR grants closure, you may obtain a copy of the closure letter from the WDNR or by accessing <http://www.dnr.wi.gov/org/aw/rr/gis/index.htm>. A copy of the closure letter may be included on the GIS Registry of Closed Remediation Sites.
10. If you or any subsequent property owner intends to install a well on your property and retains a well driller, the contractor would first need an approval from the regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application form 3300-254 is on the internet at <http://www.dnr.wi.gov/org/water/dwg/3300254.pdf>.

If you have any questions, please contact Ms. Kristin DuFresne, Wisconsin Department of Natural Resources at (920) 662-5443. Thank you for your cooperation.

Sincerely,

OM ENTERPRISES, INC.



Raghu B. Singh, Ph. D
Project Scientist

Encl: Your Warrant Deed and Marinette County Parcel Information Sheet
Figure Showing Site Layout and Locations of Monitoring Wells
Table 1: Summary of Groundwater Quality Test Results

CC: Ms. Kristin DuFresne/Wisconsin Department of Natural Resources
Ms. Beth Erdman, Wisconsin Department of Commerce
Mr. John Lefebvre / Marinette County

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Paulette R. Owens
 P.O. Box 103
 Pound, WI 54161-0103

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Paulette Owens* Agent Addressee

B. Received by (Printed Name) *Paulette Owens* C. Date of Delivery *2/20/04*

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

OFF-SOURCE
A
PROPERTY

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

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number

(Transfer from service label)

7008 2810 0001 9996 9069

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Jeffrey R. Nowak
 Rosemary Nowak
 319 W. Main Street
 Coleman, WI 54112-9312

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Lizzy Nowak* Agent Addressee

B. Received by (Printed Name) *Lizzy Nowak* C. Date of Delivery *4-2-09*

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

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

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number

(Transfer from service label)

7008 2810 0001 9996 9113

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

Nowak
Not Applicable

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Sharlene Te Beest
 WDOT
 Room # 451
 Madison, WI 53707-7696

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Sharlene Te Beest* Agent Addressee

B. Received by (Printed Name) *Sharlene Te Beest* C. Date of Delivery *MAR 26 2009*

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

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

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number

(Transfer from service label)

7008 2810 0001 9996 9120

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

RIGHT-OF-WAY

OFF-SOURCE
A
PROPERTY

Table 1
Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
OM Job # 2045

Well Id.	Date Installed	Screen Bottom feet	Screen Top feet	PVC Elevation MSL, feet	Date Sampled	Depth to GW feet	GW Elevation MSL, feet	Benzene ppb	Ethyl-benzene ppb	Toluene ppb	Xylenes ppb	TMBs ppb	MTBE ppb	Naphthalene ppb	Location
MW-1	1/16/02	13.5	3.5	710.30	1/24/02	3.62	706.68	< 0.25	< 0.12	< 0.22	< 0.74	< 0.50	< 0.53	< 0.68	On-site, SW of Bldg.
				710.30	6/18/02	1.96	708.34	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT	
				710.30	10/12/04	4.30	706.00	< 0.50	< 5.00	< 5.0	< 10	< 0.511	< 8.0		
				710.30	7/16/05	5.18	705.12	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23	< 0.50	
				710.30	10/25/06	2.90	707.40	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23		
				710.30	5/24/07	2.18	708.12	< 0.22	< 0.44	0.26	< 1.23	< 0.67	< 0.53	< 0.53	
MW-3	1/16/02	13.5	3.5	710.24	1/24/02	3.80	706.44	17000	4500	67000	19400	6100	< 270	750	On-site, E of Bldg.
				710.24	6/18/02	2.15	708.09	9300	2900	39000	14000	5400	< 0.49	770	
				710.24	10/12/04	4.53	705.71	5020	1910	30900	9950	3377	85	389	
				710.24	7/16/05	4.63	705.61	8400	3100	50000	16000	4140	< 92	720	
				710.24	10/25/06	2.60	707.64	410	450	2800	2400	1180	< 9.2	190	
				710.24	5/24/07	3.50	706.74	3600	1930	26400	9900	3200	< 53	400	
MW-5	1/16/02	13.5	3.5	710.40	1/24/02	4.03	706.37	21000	6500	65000	25700	6000	< 270	600	On-site, SE of Bldg.
				710.40	6/18/02	2.05	708.35	9300	4700	39000	21000	6100	< 49	740	
				710.40	10/12/04	4.85	705.55	9820	4010	37000	16700	4548	61.40	533	
				710.40	7/16/05	5.30	705.10	17000	4800	50000	22000	5700	< 92	850	
				710.40	10/25/06	2.88	707.52	6600	2300	28000	20000	6800	< 92	780	
				710.40	5/24/07	Appears to have been abandoned by WDOT									
MW-8	1/16/02	13.5	3.5	709.31	1/24/02	3.86	705.45	140	270	160.00	1640	550	< 27	140	On-site, N of Bldg.
				709.31	6/18/02	2.05	707.26	25	70.00	29.00	440.00	217	< 10	56	
				709.31	10/12/04	3.99	705.32	476	265	268	1680	476	71	162	
				709.31	7/16/05	4.72	704.59	9.90	92	45.00	650	278	< 1.1	85	
				709.31	10/25/06	2.49	706.82	< 1.4	22	6.40	130	54	< 0.46	15	
				709.31	5/24/07	3.19	706.12	1.09	1.31	0.37	1.59	0.55	< 0.53	0.69	
MW10	1/16/02	13.5	3.5	708.01	1/24/02	2.75	705.26	< 0.25	< 0.12	< 0.22	< 0.74	< 0.50	< 0.53	< 0.68	On-site, NW of Bldg.
				708.01	6/18/02	2.22	705.79	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT	
				708.01	10/12/04	2.97	705.04	< 0.50	< 5.00	< 5.0	< 10	< 0.511	< 8.0		
				708.01	7/16/05	4.49	703.52	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23	< 0.50	
				708.01	10/25/06	2.50	705.51	< 0.50	< 0.44	< 0.22	< 0.78	< 0.88	< 0.46		
				708.01	5/24/07	2.75	705.26	< 0.22	< 0.44	0.26	< 1.23	< 0.67	< 0.53	< 0.53	
MW-14	1/16/02	13.5	3.5	707.51	1/24/02	2.76	704.75	60	75.00	42.00	189.00	75.00	< 2.7	18	On-site, NE Corner of lot
				707.51	6/18/02	1.71	705.80	27	67.00	18.00	160.00	99	0.50	23	
				707.51	10/12/04	Not Found									
				707.51	7/16/05	Not Found									
				707.51	10/25/06	Not Found									
				707.51	5/24/07	3.75	703.76	12.40	58.00	17.20	141.70	88	< 5.3	25	
MW-15	1/16/02	13.5	3.5	711.08	1/24/02	4.41	706.67	0.54	0.40	1.00	< 0.74	< 0.50	< 0.53	< 0.68	Off-site, SE of Site
				711.08	6/18/02	2.33	708.75	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT	
				711.08	10/12/04	4.95	706.13	< 0.50	< 5.00	< 5.0	< 5.00	< 10	0.57	< 8.0	
				711.08	7/16/05	5.04	706.04	< 0.25	< 0.22	< 0.27	0.74	< 0.44	< 0.23	< 0.50	
				711.08	10/25/06	3.59	707.49	< 0.25	1.00	< 0.11	0.66	< 0.44	< 0.23		
				711.08	5/24/07	Appears to have been abandoned by WDOT									

OFF-SOURCE
A
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Table 1
Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
OM Job # 2045

Well Id.	Date Installed	Screen Bottom feet	Screen Top feet	PVC Elevation MSL, feet	Date Sampled	Depth to GW feet	GW Elevation MSL, feet	Benzene ppb	Ethyl-benzene ppb	Toluene ppb	Xylenes ppb	TMBs ppb	MTBE ppb	Naphthalene ppb	Location	
MW-17	6/11/02	6.5	1.5	708.30	6/18/02			< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	< 1.4	Off-site, E of HWY 141	
				708.30	10/12/04	Not Found										
				708.30	7/16/05	Not Found										
				708.30	10/25/06	Not Found										
				708.30	5/24/07	Not Found										
MW-18	6/11/02	6.5	1.5	707.24	6/18/02	1.94	705.30	1.70	< 0.49	< 0.63	1.60	< 1.14	< 0.49	< 1.4	On-site, NE Corner of lot	
				707.24	10/12/04	2.47	704.77	< 0.50	< 5.00	< 5.00	< 5.00	< 10	< 0.511	< 8.0		
				707.24	7/16/05	Not Found										
				707.24	10/25/06	Not Found										
				707.24	5/24/07	1.98	705.26	1.95	< 0.44	0.90	0.84	< 0.67	< 0.53	< 0.53		
MW-19	6/11/02	6	1	709.41	6/18/02	1.76	707.65	200	360	40.00	2900	1620	< 10	200.00	Off-site, W ROW of HWY 141	
				709.41	10/12/04	4.72	704.69									
				709.41	7/16/05	Dry										
				709.41	10/25/06	Dry										
				709.41	5/24/07	Appears to have been abandoned by WDOT										
Creek				10/12/04			< 0.50	< 5.00	< 5.00	< 5.00	< 10	< 0.511	< 8.0			
Road Sump				5/24/07			58	0.46	77.00	84.20	15.52	< 0.53	< 0.53			
Preventive Action Limit (PAL)								0.50	140.00	200.00	1000.00	96.00	12.00	10.00		
Enforcement Standard (ES)								5.00	700.00	1000.00	10000.00	480.00	60.00	100.00		

Note:
Bold data represent concentrations exceeding the PAL
More detection limit than the PAL limit indicates the exceedence of PAL.

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DESIGNED BY	RJM	DATE	7-08-02
DRAWN BY	JLC	DATE	7-08-02
APPROVED BY	RJM	DATE	7-08-02
C:\PROJECTS\DWG2001\27261\W\427261W006.dwg XREF			

FORMER VILLAGE WELL LOCATION DIAGRAM
 4004 U.S. HIGHWAY "141"
 POUND, WISCONSIN



STS Consultants Ltd.
 Consulting Engineers
 10000 W. 54th St.
 Overland Park, MO 66204
 823.488.1878

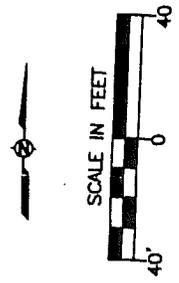
STS PROJECT NO.
 27261W

STS PROJECT FILE
 427261W006.DWG

SCALE
 1"=40'

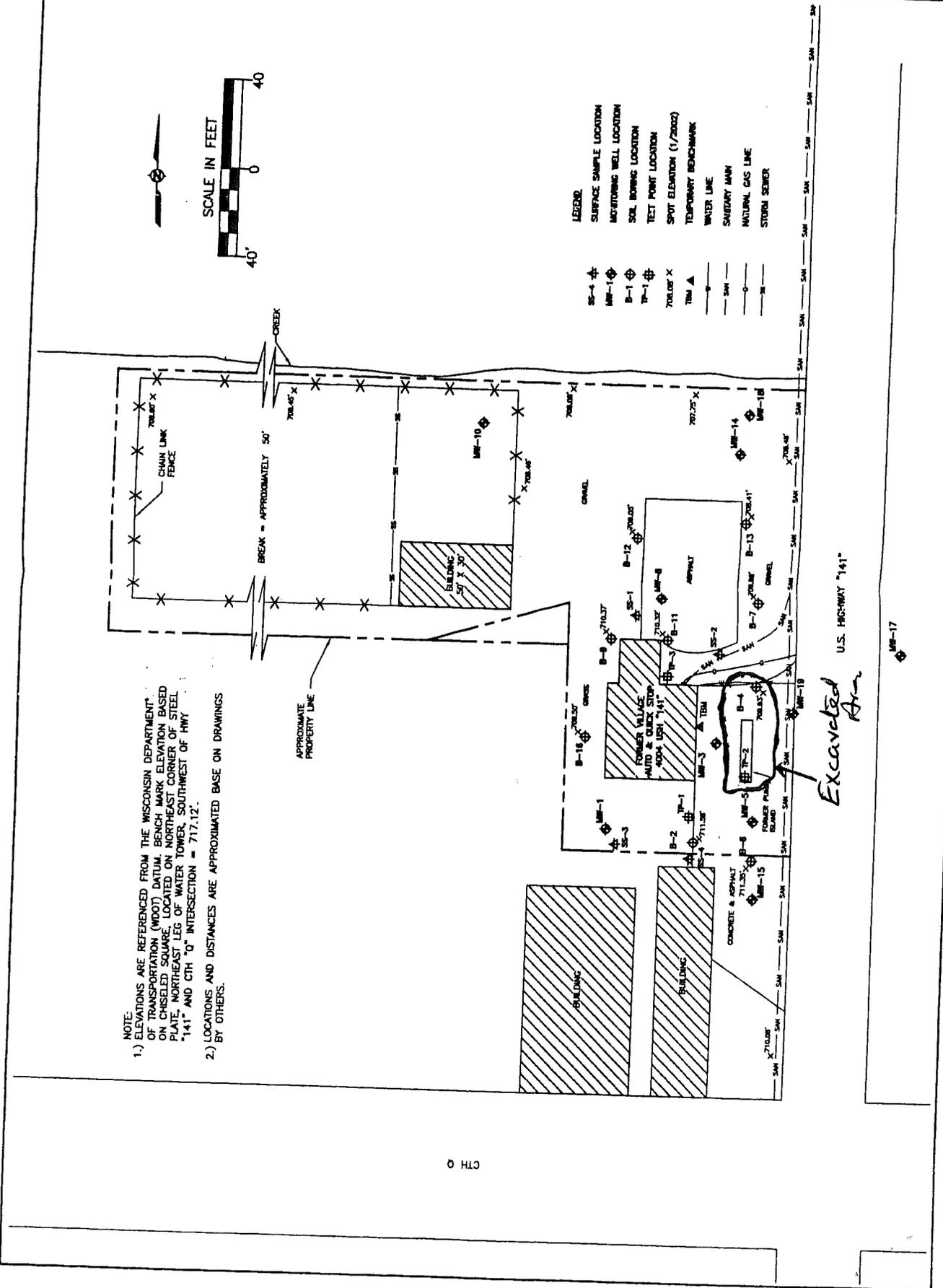
PAGE NO.
 1

NOTE:
 1.) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) DATUM. BENCH MARK ELEVATION BASED ON CHISELED SQUARE, LOCATED ON NORTHEAST CORNER OF STEEL PLATE, NORTHEAST LEG OF WATER TOWER, SOUTHWEST OF HWY "141", AND CTH "Q" INTERSECTION = 717.12.
 2.) LOCATIONS AND DISTANCES ARE APPROXIMATED BASE ON DRAWINGS BY OTHERS.



LEGEND

SS-4	▲	SURFACE SAMPLE LOCATION
MM-1	⊕	MONITORING WELL LOCATION
B-1	⊕	SOIL BORING LOCATION
TP-1	⊕	TEST POINT LOCATION
706.87 X	X	SPOT ELEVATION (1/70002)
TM	▲	TEMPORARY BENCHMARK
—	—	WATER LINE
—	—	SAUNTIARY MAIN
—	—	NATURAL GAS LINE
—	—	STORM SEWER



CTH Q

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WARRANTY DEED

This Deed, made between
Eleanor R. Bales, a single person, Grantor
and Paulette L. Owens, a single person,
Grantee.

Grantor, conveys and warrants to the
Grantee the following described real estate
in Marinette County, State of Wisconsin
that part of the Southeast Quarter of the
Southwest Quarter (SE 1/4 of SW 1/4)
Section Two (2), Township Thirty (30)
North, Range Twenty (20) East, described
as: Commencing at a point on the Section line
between Section Two (2) and Eleven(11), fifty-one
(51) feet West from the One Quarter Stake :Thence
running North Parallel with the Quarter line, One
Hundred thirty-three (133)feet,thence West, parallel
with the section line, Thirty-four (34) feet: thence south
parallel with One Quarter Line, One Hundred Thirty
Three (133) feet : Thence east on the Section line,
Thirty-four(34)Feet to the place of beginning. In the
Village of Pound, Marinette County, Wisconsin.

DOC. #: 703056

MELANIE J HUENPFNER
MARINETTE COUNTY
REGISTER OF DEEDS
DEC. 18, 2006 AT 01:20:24PM
Fee Amount: \$11.00
Fee Exempt 77.25-(8)

Parcel # 171-00150.000

Recording area

Paulette Owens.
PO Box 103
Pound WI 54161.

TRANSFER
\$11.00
FEE OR EX
MARINETTE
COUNTY

This Deed is a gift Satisfaction between the above
named Parties together with all appurtenant
rights, title and interests.

Grantor warrants the title to the property is good, indefeasible in fee simple and free and clear of
encumbrances except all municipal ordinances and easement of record.

Dated this 18 Day of December 2006

Eleanor R. Bales
Eleanor R. Bales

Authentication
Signature Eleanor R. Bales

Authenticated this 18 day of December, 2006

Michele M. Gapp

Drafted by Eleanor R. Bales

OM ENTERPRISES, INC
4765 N 158th Street, Brookfield, WI 53005-1032
Tel: (262) 790 – 0742 Fax: (262) 790 – 6769

March 25, 2009

Ms. Sharlene Te Beest
Hazardous Material Specialist
Wisconsin Department of Transportation
Bureau of Equity and Environmental Services
Room # 451
P. O. Box 7966
Madison, WI 53707-7965

Job # 2077

Subject: Village Auto & Quick Stop, 4004 STS 141, Pound, WI
Notification of Petroleum Contamination in the Right-of-Way of STH 141

Dear Sharlene:

The required information is described as follows:

County	Marinette
Highway	141
Site	Former Village Auto & Quick Stop 4004 STH 141 Pound, WI 541619
BRRTS #	03-38-118368
PECFA #	54161-9726-04
FID #	438109100
Owner's Name	Marinette County
Owner's Address	1926 Hall Avenue Marinette, WI 54143
Legal Description	Part of the SE ¼ of the SW ¼ of Section 2, Township 30 North, Range 20 East, Village of Pound

Ms. Sharlene T. Beest
Page 2

Parcel #	171-00137.000	
Consulting Firm	OM Enterprises, Inc.	
Consultant Contact	Dr. Raghu B. Singh	
Consultant Address	4765 N 158 th Street Brookfield, WI 53005-1032	
Consultant Phone	(262) 790 - 0742	
Consultant Fax	(262) 790 - 6769	
Consultant E-Mail	raghuom@gmail.com	
Soil Contamination	Yes	
Depth to Contaminated Soils	Approximately 15 ft below grade	
Vertical Extent of Contaminated Soils	Approximately from 6 to 18 ft below grade	
Groundwater Contamination	Yes	
Depth to Water Table	Approximately 2 ft to 6 ft below grade	
Removal of Underground Storage Tanks		
2,000 Gallon	Unleaded Gasoline	Removed: 01/01/1995
1,000 Gallon	Unleaded Gasoline	Removed: 06/02/1995
1,000 Gallon	Diesel	Removed: 06/02/1995
6,000 Gallon	Leaded Gasoline	Removed: 01/01/1995
300 Gallon	Kerosene	Removed: 06/01/1999
500 Gallon	Fuel Oil	Removed: 06/01/1999
1,086 Gallon	Leaded Gasoline	Removed: 05/18/2007

Excavation and Removal of Contaminated Soils and Residual Soil Contamination

On April 4, 2004, Jeff Foust Excavating, Inc., Oshkosh, Wisconsin, excavated and disposed of approximately 171 tons (170.85 tons) of petroleum contaminated soils to Hickory Meadows landfill, LLC, Hilbert, Wisconsin. Approximately 36 tons (35.12) of concrete were removed prior to the removal of contaminated soils. Approximately 122 tons (121.30) engineered fill and 62 tons (61.63 tons) road gravel were used to fill the excavated area. The depth of the excavation was approximately 7.5 feet below grade. The area of the excavation is shown in Figure 1 of OM and Figure 2 of STS Consultants, Ltd.

Eight soil samples were submitted to Synergy Environmental Lab, Appleton, Wisconsin, to test for petroleum volatile organic compounds (PVOCs) and gasoline range organics (GROs). The soil quality test results are summarized in Table 1.

The concentration of benzene in the bottom samples B-1 and B-2, collected at approximately 7.5 feet below grade, ranged between 21000 ppb and 43000 ppb. The concentration of benzene in the wall samples range between 4900 ppb and 43000 ppb. Please note that the soil sampling points are located below the water table. OM expects that the elevated level of contamination in soils would dilute and degrade through natural attenuation. The soil contamination plume is shown in Figure 1 of OM.

Groundwater Monitoring and Contamination Assessment

Groundwater quality and elevation data are summarized in Table 2. The groundwater contamination plume is shown in Figure 2. The corresponding data are described below.

MW-1

Six rounds of groundwater sampling were conducted between January 2002 and May 2007. Benzene was not detected in any rounds. The data indicate that contamination is not flowing to the south and west.

MW-3

Six rounds of groundwater sampling were conducted between January 2002 and May 2007. The concentration of benzene in the post-excavation samples ranged between 410 ppb and 5020 ppb. The concentration is decreasing and approaching to stabilization.

MW-5

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Five rounds of groundwater sampling were conducted between January 2002 and October 2006. The concentration of benzene in three post-excavation samples ranged between 6600 ppb and 17000 ppb. The concentration is decreasing and approaching to stabilization. The monitoring well was removed during the installation of utilities and reconstruction of HWY 141. OM is of the opinion that replacement of monitoring well is not warranted.

MW-8

Six rounds of groundwater sampling were conducted between January 2002 and May 2007. The concentration of benzene in the post-excavation samples ranged between < 1.4 ppb and 476 ppb. OM believes that additional groundwater monitoring is not warranted.

MW-10

Six rounds of groundwater sampling were conducted between January 2002 and May 2007. Benzene was not detected in any rounds. The data indicate that contamination is not flowing to the south and west. OM opines that additional groundwater monitoring is not warranted.

MW-14

Three rounds of groundwater sampling were conducted between January 2002 and May 2007. The concentration of benzene was detected as 12.40 ppb in the post-excavation water sample. The concentration is decreasing after the removal of the source. Since the flush mount monitoring well is located in the standing vegetation, the well was not located during three post-excavation rounds. OM believes that additional groundwater monitoring is not warranted.

MW-15

Five rounds of groundwater sampling were conducted between January 2002 and October 2006. Benzene was detected as 0.54 ppb in the first round of sampling conducted in 2002. Benzene was not detected in the remaining three rounds. The monitoring well was removed during the installation of utilities and reconstruction of HWY 141. OM has concluded that replacement of the monitoring well is not warranted.

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MW-17

One round of groundwater sampling was conducted in June 2002. Benzene was not detected in the water sample. The well was not located during four rounds of post-excavation sampling. It appears the monitoring well was removed during the installation of utilities and reconstruction of HWY 141. OM believes that the replacement of monitoring well is not warranted.

MW-18

Three rounds of groundwater sampling were conducted between June 2002 and May 2007. The concentration of benzene ranged between less than 0.50 ppb and 1.95 ppb. Since the flush mount monitoring well is located in the standing vegetation, the well was not located during two post-excavation rounds. OM believes that additional groundwater monitoring is not needed.

MW-19

One round of groundwater sampling was conducted in June 2002. Benzene was detected as 200 ppb. The well was dry during the three rounds of sampling. The well was not located in May 2007 sampling. It appears the monitoring well was removed during the installation of utilities and reconstruction of HWY 141. OM believes that the replacement of monitoring well is not warranted.

Creek

One round of groundwater sampling was conducted in October 2004. Benzene was not detected. OM opines that additional groundwater monitoring is not warranted.

Road Sump (Utility Manhole)

One round of groundwater sampling was conducted in May 2007. Benzene was detected as 58 ppb. The sump/excavation hole was located to the east of MW-19. The excavation for the installation of the utilities was opened during the reconstruction of the road. OM believes that the utility lines were installed and the excavation was filled with engineered fill. OM believes that additional sampling is not possible.

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Closure Specifications

The site will be registered for residual soil and groundwater contamination on the geographic information system (GIS) database of the DNR.

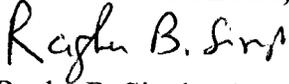
Summary

The site will be registered for residual soil and groundwater contamination on the geographic information system (GIS) database of the DNR. OM believes that natural attenuation will help to degrade the low level of residual contamination in soil and groundwater through physical, chemical, and biological processes. The remedial action was performed using the degree of skill ordinarily exercised by professional consultants in similar projects. No other warranties or guarantees, expressed or implied, is made as to the interpretations presented in this report.

Please contact Mr. John Lefebvre, Zoning Administrator, Marinette County, at (715) – 732 - 7536 if you have any questions regarding this submittal.

Sincerely,

OM ENTERPRISES, INC.



Raghu B. Singh, Ph. D.
Project Scientist

Enc Table 1: Soil Quality Table
Table 2: Groundwater Elevation and Quality Table
Figure 1: Area of Excavation and Soil Contamination Plume
Figure 2: Area of Excavation (STS Figure)
Figure 3: Groundwater Plume

CC: Ms. Kristin DuFresne/WDNR
Ms. Beth Erdman/Commerce
Mr. John Lefebvre / Marinette County
PECFA File

RIGHT-OF-WAY

Table 2
Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
OM Job # 2045

Well Id.	Date Installed	Screen Bottom feet	Screen Top feet	PVC Elevation MSL, feet	Date Sampled	Depth to GW feet	GW Elevation MSL, feet	Benzene ppb	Ethyl-benzene ppb	Toluene ppb	Xylenes ppb	TMBs ppb	MTBE ppb	Naphthalene ppb	Location				
MW-1	1/16/02	13.5	3.5	710.30	1/24/02	3.62	706.68	< 0.25	< 0.12	< 0.22	< 0.74	< 0.50	< 0.53	< 0.68	On-site, SW of Bldg.				
				710.30	6/18/02	1.96	708.34	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT					
				710.30	10/12/04	4.30	706.00	< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0					
				710.30	7/16/05	5.18	705.12	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23	< 0.50					
				710.30	10/25/06	2.90	707.40	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23						
				710.30	5/24/07	2.18	708.12	< 0.22	< 0.44	0.26	< 1.23	< 0.67	< 0.53	< 0.53					
MW-3	1/16/02	13.5	3.5	710.24	1/24/02	3.80	706.44	17000	4500	67000	19400	6100	< 270	750	On-site, E of Bldg.				
				710.24	6/18/02	2.15	708.09	9300	2900	39000	14000	5400	< 0.49	770					
				710.24	10/12/04	4.53	705.71	5020	1910	30900	9950	3377	85	389					
				710.24	7/16/05	4.63	705.61	8400	3100	50000	16000	4140	< 92	720					
				710.24	10/25/06	2.60	707.64	410	450	2800	2400	1180	< 9.2	190					
				710.24	5/24/07	3.50	706.74	3600	1930	26400	9900	3200	< 53	400					
MW-5	1/16/02	13.5	3.5	710.40	1/24/02	4.03	706.37	21000	6500	65000	25700	6000	< 270	600	On-site, SE of Bldg.				
				710.40	6/18/02	2.05	708.35	9300	4700	39000	21000	6100	< 49	740					
				710.40	10/12/04	4.85	705.55	9820	4010	37000	16700	4548	61.40	533					
				710.40	7/16/05	5.30	705.10	17000	4800	50000	22000	5700	< 92	850					
				710.40	10/25/06	2.88	707.52	6600	2300	28000	20000	6800	< 92	780					
				710.40	5/24/07	Appears to have been abandoned by WDOT													
MW-8	1/16/02	13.5	3.5	709.31	1/24/02	3.86	705.45	140	270	160.00	1640	550	< 27	140	On-site, N of Bldg.				
				709.31	6/18/02	2.05	707.26	25	70.00	29.00	440.00	217	< 10	56					
				709.31	10/12/04	3.99	705.32	476	265	268	1680	476	71	162					
				709.31	7/16/05	4.72	704.59	9.90	92	45.00	650	278	< 1.1	85					
				709.31	10/25/06	2.49	706.82	< 1.4	22	6.40	130	54	< 0.46	15					
				709.31	5/24/07	3.19	706.12	1.09	1.31	0.37	1.59	0.55	< 0.53	0.69					
MW10	1/16/02	13.5	3.5	708.01	1/24/02	2.75	705.26	< 0.25	< 0.12	< 0.22	< 0.74	< 0.50	< 0.53	< 0.68	On-site, NW of Bldg.				
				708.01	6/18/02	2.22	705.79	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT					
				708.01	10/12/04	2.97	705.04	< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0					
				708.01	7/16/05	4.49	703.52	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23	< 0.50					
				708.01	10/25/06	2.50	705.51	< 0.50	< 0.44	< 0.22	< 0.78	< 0.88	< 0.46						
				708.01	5/24/07	2.75	705.26	< 0.22	< 0.44	0.26	< 1.23	< 0.67	< 0.53	< 0.53					
MW-14	1/16/02	13.5	3.5	707.51	1/24/02	2.76	704.75	60	75.00	42.00	189.00	75.00	< 2.7	18	On-site, NE Corner of lot				
				707.51	6/18/02	1.71	705.80	27	67.00	18.00	160.00	99	0.50	23					
				707.51	10/12/04	Not Found													
				707.51	7/16/05	Not Found													
				707.51	10/25/06	Not Found													
				707.51	5/24/07	3.75	703.76	12.40	58.00	17.20	141.70	88	< 5.3	25					
MW-15	1/16/02	13.5	3.5	711.08	1/24/02	4.41	706.67	0.54	0.40	1.00	< 0.74	< 0.50	< 0.53	< 0.68	Off-site, SE of Site				
				711.08	6/18/02	2.33	708.75	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT					
				711.08	10/12/04	4.95	706.13	< 0.50	< 5.00	< 5.0	< 5.00	< 10	0.57	< 8.0					
				711.08	7/16/05	5.04	706.04	< 0.25	< 0.22	< 0.27	0.74	< 0.44	< 0.23	< 0.50					
				711.08	10/25/06	3.59	707.49	< 0.25	1.00	< 0.11	0.66	< 0.44	< 0.23						
				711.08	5/24/07	Appears to have been abandoned by WDOT													

RIGHT-OF-WAY

Table 2
 Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
 OM Job # 2045

Well Id.	Date Installed	Screen Bottom feet	Screen Top feet	PVC Elevation MSL, feet	Date Sampled	Depth to GW feet	GW Elevation MSL, feet	Benzene ppb	Ethyl-benzene ppb	Toluene ppb	Xylenes ppb	TMBs ppb	MTBE ppb	Naphthalene ppb	Location
MW-17	6/11/02	6.5	1.5	708.30	6/18/02			< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	< 1.4	Off-site, E of HWY 141
	Post-Excavtion			708.30	10/12/04	Not Found									
				708.30	7/16/05	Not Found									
				708.30	10/25/06	Not Found									
				708.30	5/24/07	Not Found									
MW-18	6/11/02	6.5	1.5	707.24	6/18/02	1.94	705.30	1.70	< 0.49	< 0.63	1.60	< 1.14	< 0.49	< 1.4	On-site, NE Corner of lot
	Post-Excavtion			707.24	10/12/04	2.47	704.77	< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0	
				707.24	7/16/05	Not Found									
				707.24	10/25/06	Not Found									
				707.24	5/24/07	1.98	705.26	1.95	< 0.44	0.90	0.84	< 0.67	< 0.53	< 0.53	
MW-19	6/11/02	6	1	709.41	6/18/02	1.76	707.65	200	360	40.00	2900	1620	< 10	200.00	Off-site, W ROW of HWY 141
	Post-Excavtion			709.41	10/12/04	4.72	704.69								
				709.41	7/16/05	Dry									
				709.41	10/25/06	Dry									
				709.41	5/24/07	Appears to have been abandoned by WDOT									
Creek					10/12/04			< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0	
Road Sump					5/24/07			58	0.46	77.00	84.20	15.52	< 0.53	< 0.53	
Preventive Action Limit (PAL)								0.50	140.00	200.00	1000.00	96.00	12.00	10.00	
Enforcement Standard (ES)								5.00	700.00	1000.00	10000.00	480.00	60.00	100.00	

Note:
 Bold data represent concentrations exceeding the PAL
 More detection limit than the PAL limit indicates the exceedence of PAL.



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Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	W-1	5	250	43000	85000	38000	42000	83000	11000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	W-2	5	200	30000	91000	150000	390000	260000	89000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

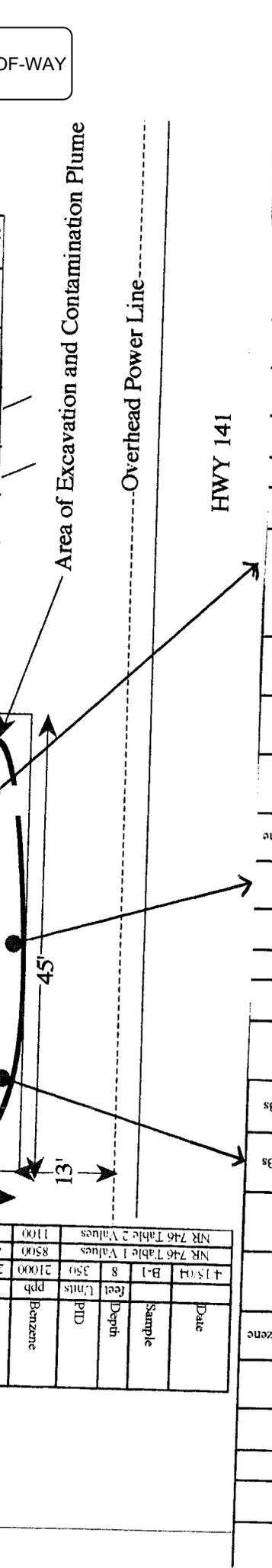
Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	W-3	5	250	26000	56000	20000	200000	130000	50000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	B-2	8	450	43000	98000	360000	410000	230000	75000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	W-1	5	250	43000	85000	38000	42000	83000	11000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	B-1	8	350	21000	25000	110000	87000	27000	N/A
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	E-1	5	100	11000	16000	13000	140000	90000	62000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A



Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	E-2	5	100	11000	16000	13000	140000	90000	62000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	E-3	5	300	20000	44000	18000	200000	84000	39000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Date	Sample	Depth	PID	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMBS	1,3,5-TMBS
4/15/04	E-1	5	200	4900	21000	8000	80000	21000	8000
NR 746 Table 1 Values				8500	4600	38000	42000	83000	11000
NR 746 Table 2 Values				1100	N/A	N/A	N/A	N/A	N/A

Figure 1: Area of Excavation and Soil Contamination Plume

CONSULTANT OM Enterprises, Inc. 4765 N 158th Street Brookfield, WI 53005-1032 Tel: (262) 790 - 0742 Fax: (262) 790 - 6769	SITE Village Auto & Quick Stop 4004 HWY 141 Pound, WI 54161	PROJECT NUMBER	2045	DATE		SCALE		LEGEND
		Ⓞ Soil Borings ● Monitoring Well ● Soil Sampling Location		NOT TO SCALE				

FORMER VILLAGE AUTO & QUICK STOP
4004 U.S. HIGHWAY "141"
BORING/MONITORING WELL LOCATION DIAGRAM



STS Consultants Ltd.
Professional Engineers
1035
Owen Trwy. W. S4211
Edm. 468.1878

STS PROJECT NO.
27261W
STS PROJECT FILE
427261W006.DWG

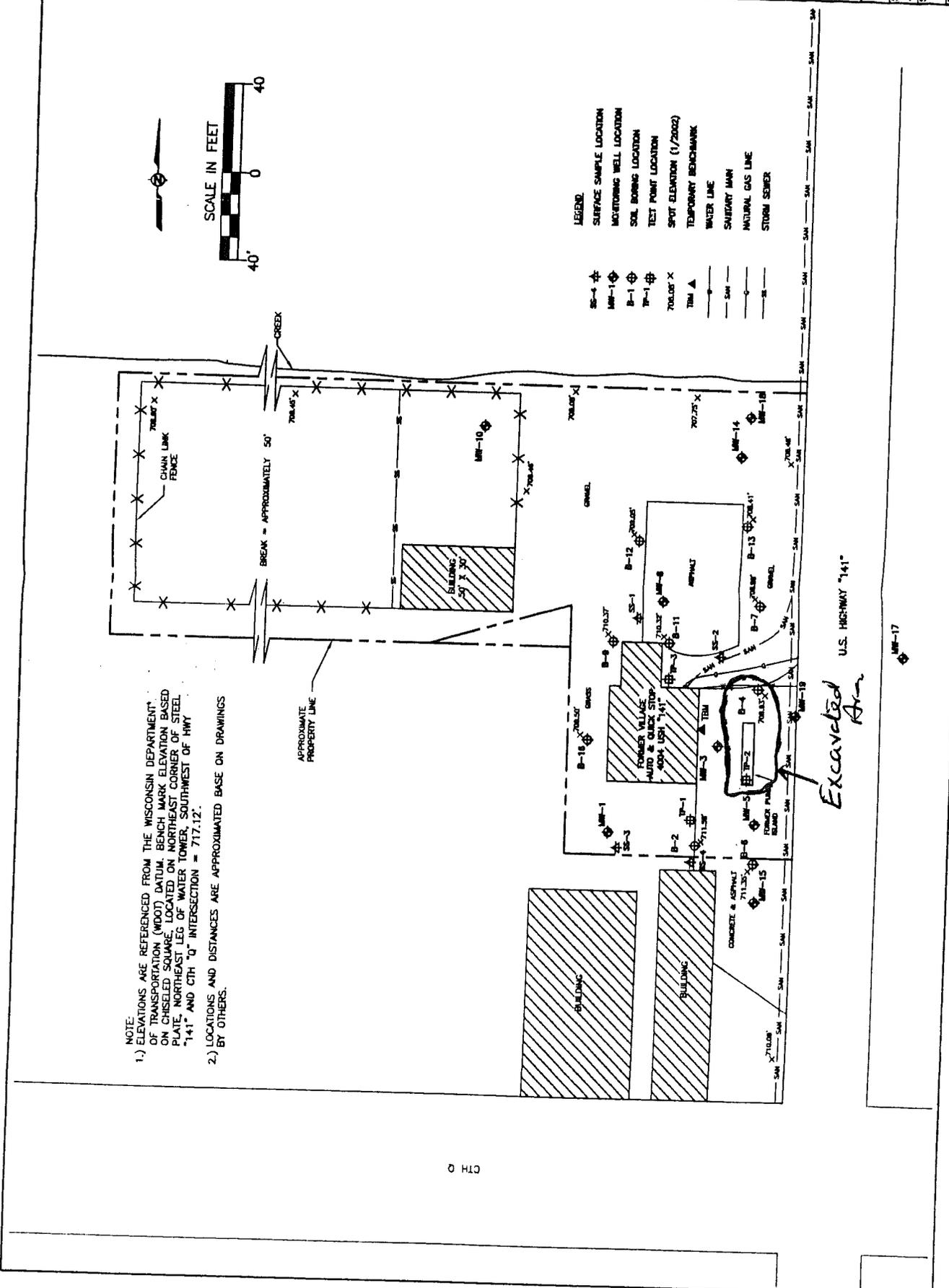
SCALE
1"=40'
FIGURE NO.

DESIGNED BY	RJM	DATE	7-08-02
DRAWN BY	JLC	DATE	7-09-02
APPROVED BY	RJM	DATE	7-08-02
CADFILE	X:\PROJECTS\DWG2001\27261W\427261W006.dwg		
KRET			

NOTE:
1.) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) DATUM. BENCH MARK ELEVATION BASED ON CHSELED SQUARE, LOCATED ON NORTHEAST CORNER OF STEEL PLATE, NORTHEAST LEG OF WATER TOWER, SOUTHWEST OF HWY "141", AND CTH "Q" INTERSECTION = 717.12'.
2.) LOCATIONS AND DISTANCES ARE APPROXIMATED BASE ON DRAWINGS BY OTHERS.



- LEGEND
- SS-4 * SURFACE SAMPLE LOCATION
 - MM-1 * MONITORING WELL LOCATION
 - B-1 * SOIL BORING LOCATION
 - TP-1 * TEST POINT LOCATION
 - 706.00' X * SPOT ELEVATION (1/2002)
 - TBM * TEMPORARY BENCHMARK
 - WATER LINE
 - SAUITARY MAIN
 - NATURAL GAS LINE
 - STORM SEWER



Excavated Area

CTH Q

RIGHT-OF-WAY

Fig. 3. Groundwater Plume

NOTE:
 1) ELEVATIONS ARE REFERENCED FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) DATUM. BENCH MARK ELEVATION BASED ON CHISELED SQUARE, LOCATED ON NORTHEAST CORNER OF STEEL PLATE, NORTHEAST LEG OF WATER TOWER, SOUTHWEST OF HWY "141" AND CTH INTERSECTION = 717.12'.
 2) LOCATIONS AND DISTANCES ARE APPROXIMATED BY OTHERS.

Date Sampled	Benzene		Ethylbenzene		MTBE		Naphthalene		Toluene		TMBs		Xylenes	
	zone	ppb	zone	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1/24/02	21000	6500	<0.25	<0.12	<0.53	<0.68	<0.74	<0.50	<0.74	<0.50	<0.74	<0.50	<0.74	
6/18/02	9300	4700	<0.43	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	
10/12/04	9820	4010	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
16/05	17000	3800	<0.25	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
25/06	6600	2400	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
PAL	0.50	140.00	12.00	10.00	200.00	200.00	96.00	1000	1000	1000	1000	480.00	10000	
ES	5.00	700.00	60.00	100.00	1000	1000	480.00	10000	10000	10000	10000	480.00	10000	

Date Sampled	Benzene		Ethylbenzene		MTBE		Naphthalene		Toluene		TMBs		Xylenes	
	zone	ppb	zone	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1/24/02	17000	4500	<0.25	<0.12	<0.53	<0.68	<0.74	<0.50	<0.74	<0.50	<0.74	<0.50	<0.74	
6/18/02	9300	3900	<0.43	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	
10/12/04	5030	1910	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/16/05	8400	3100	<0.25	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
10/25/06	410	450	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
5/24/07	3600	1930	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
PAL	0.50	140.00	12.00	10.00	200.00	200.00	96.00	1000	1000	1000	1000	480.00	10000	
ES	5.00	700.00	60.00	100.00	1000	1000	480.00	10000	10000	10000	10000	480.00	10000	

Date Sampled	Benzene		Ethylbenzene		MTBE		Naphthalene		Toluene		TMBs		Xylenes	
	zone	ppb	zone	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1/24/02	60	75.00	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
6/18/02	27	67.00	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
5/24/07	12.40	58.00	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
PAL	0.50	140.00	12.00	10.00	200.00	200.00	96.00	1000	1000	1000	1000	480.00	10000	
ES	5.00	700.00	60.00	100.00	1000	1000	480.00	10000	10000	10000	10000	480.00	10000	

Date Sampled	Benzene		Ethylbenzene		MTBE		Naphthalene		Toluene		TMBs		Xylenes	
	zone	ppb	zone	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1/24/02	140	270	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
6/18/02	25	70.00	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
10/12/04	476	265	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
7/16/05	9.90	92	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
10/25/06	<1.4	22	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
5/24/07	1.09	1.31	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
PAL	0.50	140.00	12.00	10.00	200.00	200.00	96.00	1000	1000	1000	1000	480.00	10000	
ES	5.00	700.00	60.00	100.00	1000	1000	480.00	10000	10000	10000	10000	480.00	10000	

Date Sampled	Benzene		Ethylbenzene		MTBE		Naphthalene		Toluene		TMBs		Xylenes	
	zone	ppb	zone	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
6/18/02	1.70	<0.49	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
10/12/04	<0.50	<0.44	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
5/24/07	1.95	<0.44	<0.50	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
PAL	0.50	140.00	12.00	10.00	200.00	200.00	96.00	1000	1000	1000	1000	480.00	10000	
ES	5.00	700.00	60.00	100.00	1000	1000	480.00	10000	10000	10000	10000	480.00	10000	

FORMER VILLAGE AUTO & QUICK STOP
 4004 U.S. HIGHWAY "141"
 POUND, WISCONSIN

DESIGNED BY: RJM DATE: 7-08-02
 DRAWN BY: JLC DATE: 7-08-02
 APPROVED BY: RJM DATE: 7-08-02

PROJECT NO: 27261W
 SPS PROJECT FILE: 427261WOOD.DWG
 SCALE: 1"=40'
 FIGURE NO: 1

STC Consultants Ltd.
 Consulting Engineers
 427261WOOD.DWG
 4004 U.S. HWY. #141
 POUND, WI 53151
 262-464-1878

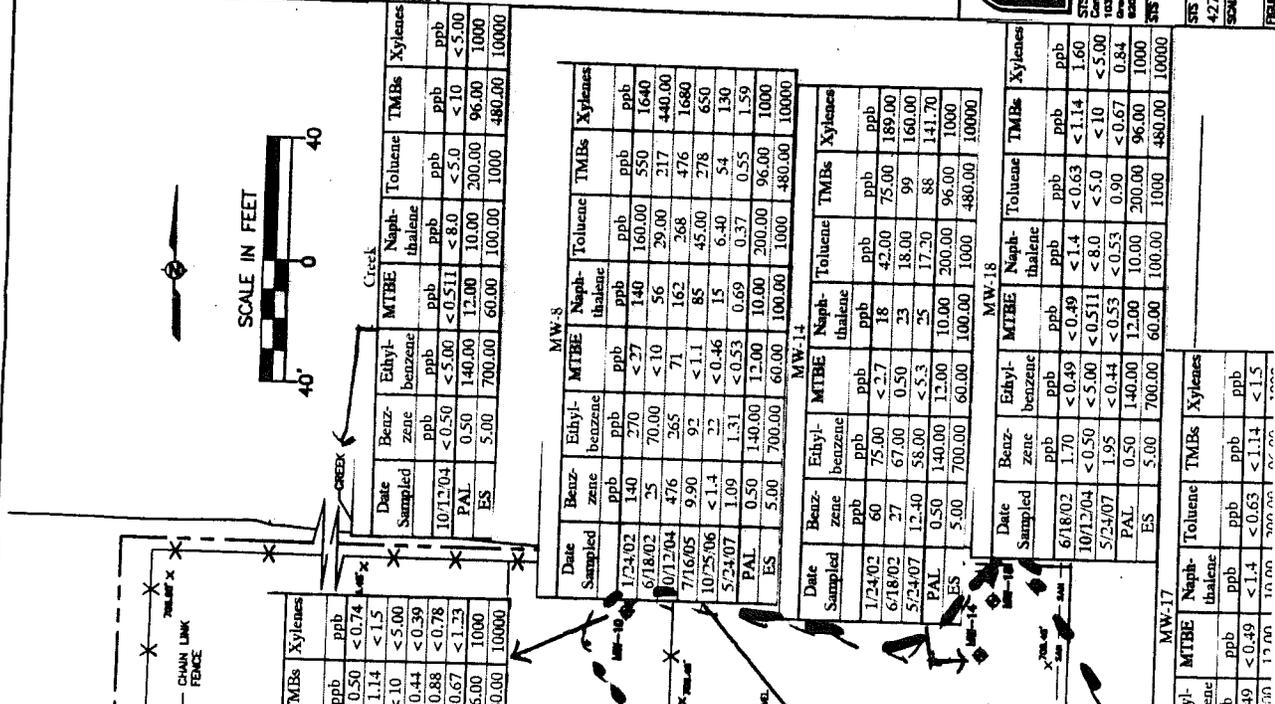


Table 2
Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
OM Job # 2045

Well Id.	Date Installed	Screen Bottom feet	Screen Top feet	PVC Elevation MSL, feet	Date Sampled	Depth to GW feet	GW Elevation MSL, feet	Benzene ppb	Ethyl-benzene ppb	Toluene ppb	Xylenes ppb	TMBs ppb	MTBE ppb	Naphthalene ppb	Location				
MW-1	1/16/02	13.5	3.5	710.30	1/24/02	3.62	706.68	< 0.25	< 0.12	< 0.22	< 0.74	< 0.50	< 0.53	< 0.68	On-site, SW of Bldg.				
				710.30	6/18/02	1.96	708.34	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT					
				710.30	10/12/04	4.30	706.00	< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0					
				710.30	7/16/05	5.18	705.12	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23	< 0.50					
				710.30	10/25/06	2.90	707.40	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23						
				710.30	5/24/07	2.18	708.12	< 0.22	< 0.44	0.26	< 1.23	< 0.67	< 0.53	< 0.53					
MW-3	1/16/02	13.5	3.5	710.24	1/24/02	3.80	706.44	17000	4500	67000	19400	6100	< 270	750	On-site, E of Bldg.				
				710.24	6/18/02	2.15	708.09	9300	2900	39000	14000	5400	< 0.49	770					
				710.24	10/12/04	4.53	705.71	5020	1910	30900	9950	3377	85	389					
				710.24	7/16/05	4.63	705.61	8400	3100	50000	16000	4140	< 92	720					
				710.24	10/25/06	2.60	707.64	410	450	2800	2400	1180	< 9.2	190					
				710.24	5/24/07	3.50	706.74	3600	1930	26400	9900	3200	< 53	400					
MW-5	1/16/02	13.5	3.5	710.40	1/24/02	4.03	706.37	21000	6500	65000	25700	6000	< 270	600	On-site, SE of Bldg.				
				710.40	6/18/02	2.05	708.35	9300	4700	39000	21000	6100	< 49	740					
				710.40	10/12/04	4.85	705.55	9820	4010	37000	16700	4548	61.40	533					
				710.40	7/16/05	5.30	705.10	17000	4800	50000	22000	5700	< 92	850					
				710.40	10/25/06	2.88	707.52	6600	2300	28000	20000	6800	< 92	780					
				710.40	5/24/07	Appears to have been abandoned by WDOT													
MW-8	1/16/02	13.5	3.5	709.31	1/24/02	3.86	705.45	140	270	160.00	1640	550	< 27	140	On-site, N of Bldg.				
				709.31	6/18/02	2.05	707.26	25	70.00	29.00	440.00	217	< 10	56					
				709.31	10/12/04	3.99	705.32	476	265	268	1680	476	71	162					
				709.31	7/16/05	4.72	704.59	9.90	92	45.00	650	278	< 1.1	85					
				709.31	10/25/06	2.49	706.82	< 1.4	22	6.40	130	54	< 0.46	15					
				709.31	5/24/07	3.19	706.12	1.09	1.31	0.37	1.59	0.55	< 0.53	0.69					
MW10	1/16/02	13.5	3.5	708.01	1/24/02	2.75	705.26	< 0.25	< 0.12	< 0.22	< 0.74	< 0.50	< 0.53	< 0.68	On-site, NW of Bldg.				
				708.01	6/18/02	2.22	705.79	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT					
				708.01	10/12/04	2.97	705.04	< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0					
				708.01	7/16/05	4.49	703.52	< 0.25	< 0.22	< 0.11	< 0.39	< 0.44	< 0.23	< 0.50					
				708.01	10/25/06	2.50	705.51	< 0.50	< 0.44	< 0.22	< 0.78	< 0.88	< 0.46						
				708.01	5/24/07	2.75	705.26	< 0.22	< 0.44	0.26	< 1.23	< 0.67	< 0.53	< 0.53					
MW-14	1/16/02	13.5	3.5	707.51	1/24/02	2.76	704.75	60	75.00	42.00	189.00	75.00	< 2.7	18	On-site, NE Corner of lot				
				707.51	6/18/02	1.71	705.80	27	67.00	18.00	160.00	99	0.50	23					
				707.51	10/12/04	Not Found													
				707.51	7/16/05	Not Found													
				707.51	10/25/06	Not Found													
				707.51	5/24/07	3.75	703.76	12.40	58.00	17.20	141.70	88	< 5.3	25					
MW-15	1/16/02	13.5	3.5	711.08	1/24/02	4.41	706.67	0.54	0.40	1.00	< 0.74	< 0.50	< 0.53	< 0.68	Off-site, SE of Site				
				711.08	6/18/02	2.33	708.75	< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	NT					
				711.08	10/12/04	4.95	706.13	< 0.50	< 5.00	< 5.0	< 5.00	< 10	0.57	< 8.0					
				711.08	7/16/05	5.04	706.04	< 0.25	< 0.22	< 0.27	0.74	< 0.44	< 0.23	< 0.50					
				711.08	10/25/06	3.59	707.49	< 0.25	1.00	< 0.11	0.66	< 0.44	< 0.23						
				711.08	5/24/07	Appears to have been abandoned by WDOT													

Table 2
Summary of Groundwater and Elevation Data for Former Village Auto and Quick Stop
OM Job # 2045

Well Id.	Date Installed	Screen Bottom feet	Screen Top feet	PVC Elevation MSL, feet	Date Sampled	Depth to GW feet	GW Elevation MSL, feet	Benzene ppb	Ethyl-benzene ppb	Toluene ppb	Xylenes ppb	TMBs ppb	MTBE ppb	Naphthalene ppb	Location
MW-17	6/11/02	6.5	1.5	708.30	6/18/02			< 0.43	< 0.49	< 0.63	< 1.5	< 1.14	< 0.49	< 1.4	Off-site, E of HWY 141
	Post-Excavtion			708.30	10/12/04	Not Found									
				708.30	7/16/05	Not Found									
				708.30	10/25/06	Not Found									
				708.30	5/24/07	Not Found									
MW-18	6/11/02	6.5	1.5	707.24	6/18/02	1.94	705.30	1.70	< 0.49	< 0.63	1.60	< 1.14	< 0.49	< 1.4	On-site, NE Corner of lot
	Post-Excavtion			707.24	10/12/04	2.47	704.77	< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0	
				707.24	7/16/05	Not Found									
				707.24	10/25/06	Not Found									
				707.24	5/24/07	1.98	705.26	1.95	< 0.44	0.90	0.84	< 0.67	< 0.53	< 0.53	
MW-19	6/11/02	6	1	709.41	6/18/02	1.76	707.65	200	360	40.00	2900	1620	< 10	200.00	Off-site, W ROW of HWY 141
	Post-Excavtion			709.41	10/12/04	4.72	704.69								
				709.41	7/16/05	Dry									
				709.41	10/25/06	Dry									
				709.41	5/24/07	Appears to have been abandoned by WDOT									
Creek					10/12/04			< 0.50	< 5.00	< 5.0	< 5.00	< 10	< 0.511	< 8.0	
Road Sump					5/24/07			58	0.46	77.00	84.20	15.52	< 0.53	< 0.53	
Preventive Action Limit (PAL)								0.50	140.00	200.00	1000.00	96.00	12.00	10.00	
Enforcement Standard (ES)								5.00	700.00	1000.00	10000.00	480.00	60.00	100.00	

Note:

Bold data represent concentrations exceeding the PAL

More detection limit than the PAL limit indicates the exceedence of PAL.