

Source Property Information

BRRTS #: (No Dashes)

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

PECFA#:

***WTM COORDINATES:**

X: Y:

** 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" form)*

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

Contamination in ROW

Off-Source Contamination

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

Continuing Obligations:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

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

Note: Comments will not print out.

Monitoring Wells:

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

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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 #: (No Dashes) 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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- 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 11 x 17 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 #: 3 **Title: Distribution of Hydrocarbons in Groundwater**
 - 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 #: 4 **Title: Distribution of Hydrocarbons in Soil**

BRRTS #: 02-59-552030

ACTIVITY NAME: Town and Country Cleaners

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 #: 5 **Title: Geologic Cross Section A-A'**

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 #: 3 **Title: Distribution of Hydrocarbons in Groundwater**

- 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 #: 3 **Title: Distribution of Hydrocarbons in Groundwater**

Figure #: **Title:**

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

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

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

Table #: 1 **Title: Summary of Detected Soil VOC Results**

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

Table #: 2 **Title: Summary of Groundwater VOC Results**

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

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: **Title:**

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

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

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

BRRTS #: 02-59-552030

ACTIVITY NAME: Town and Country Cleaners

NOTIFICATIONS

Source Property

Not Applicable

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

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

Off-Source Property

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

Not Applicable

Letter To "Off-Source" Property Owners: Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

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.

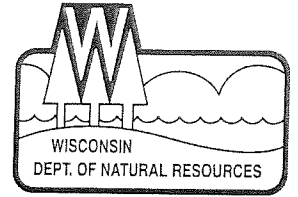
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

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:**

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:



August 23, 2012

Mr. Dan Zierden
Town and Country Cleaners
214 Main St.
Shawano, WI 54166

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Town and Country Cleaners, 214 Main St., Shawano, WI
WDNR BRRTS Activity #: 02-59-552030

Dear Mr. Zierden:

The Department of Natural Resources (DNR) considers Town and Country Cleaners closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attached maintenance plan to anyone who purchases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code. The Department's Northeast Region Closure Committee reviewed the request for closure on January 27, 2012. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on February 8, 2012, and documentation that the conditions in that letter were met was received on July 11, 2012.

The property is currently utilized as an active dry cleaning operation. Soil contamination from dry cleaning solvents remain under the building and on the adjacent Property to the South. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- 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 DNR must approve any changes to this barrier.
- Compounds of concern are still in use at the site. If changes in property use or land use to a residential exposure setting are planned, an assessment of the vapor pathway will be necessary.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and of any continuing obligations. DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed below for the GIS Registry.

All site information is also on file at the Northeast Regional DNR office, at 2984 Shawano Avenue, Green Bay, WI 54313-6727. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry in a PDF attachment. 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>.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where a pavement and a building foundation is required, as shown on the attached map, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier;
- replacement with another barrier;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;
- changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings;

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plans are met. If these requirements are not followed, the DNR 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.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains at GP-1, GP-2, and GP-3 as indicated on the **attached Remaining Soil Contamination Map**. 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

contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats.)

The pavement, building or other impervious cover that exists in the location shown on the **attached Extent of Cap 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.

In this case, the building is also considered a structural impediment, and additional investigation and response requirements apply as described in the section titled Structural Impediments.

A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if use of the property were to change such that a residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. Before using the property for such purposes, you must notify the DNR to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation.

The **attached Maintenance Plan** are to be kept up-to-date and on-site. Submit the inspection log to the DNR only upon request.

Structural Impediments (s. 292.12 (2) (b), Wis. Stats.)

The existing building as shown on the **attached Structural Impediment Location Map**, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR before removal and conduct an investigation of the degree and extent of tetrachloroethene and trichloroethene contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats.)

Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

The current use of the property is an operating dry cleaner, which uses dry cleaning solvents. The operation introduces these compounds into the indoor air space. Case closure is possible based on site-specific conditions, including continued use as a dry cleaners and property use is restricted to non-residential settings (i.e. commercial or industrial uses).

Soil vapor beneath the building may be at levels that would pose a long-term risk to human health, if allowed to migrate into an occupied building where residential exposures would apply, such as single or multiple family residences, a school, day care, senior center, hospital or other similar residential exposure settings.

Therefore, if changes in property use or occupancy to a residential exposure setting are planned, the property owner must notify the DNR and evaluate the concentrations of contaminants that remain in the soil vapor beneath the building. Additional response actions may be necessary.

Dewatering Permits

The DNR'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/>.

Operating Dry Cleaners

In order to remain eligible for future reimbursement of cleanup costs from the Dry Cleaner Environmental Response Fund (DERF), the owner or operator of the dry cleaning facility must implement enhanced pollution prevention measures within 90 days of the date of this letter. These measures are found in Section 292.65 (5) (a) 2, Wis. Statutes, and NR 169.11 (2), Wis Adm. Code. In accordance with Section 292.65 (8) (f), Wis. Stats., the maximum amount of money that DERF can reimburse to any facility is \$500,000. The enhanced pollution prevention measures include:

- all wastes must be managed in accordance with federal and state hazardous waste rules;
- dry cleaning product or wastewater may not be discharged into any sanitary sewers, septic tanks, or any waters of the State;
- a containment structure must entirely surround and be capable of containing any spill or release of a dry cleaning product from a dry cleaning machine or other equipment;
- the floor within any containment structure must be sealed and be impervious to dry cleaning product;
- perchloroethene must be delivered to the dry cleaning facility by means of a closed, direct coupled delivery system.

In order to retain eligibility, you will need to verify that you have implemented these pollution prevention measures. Additional documentation, such as invoices and photographs of any enhanced pollution prevention measures you implement, can be used to provide verification.

Post Closure Notification Requirements

The following DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, was included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf>.

Soil vapor beneath the building may be at levels that would pose a long-term risk to human health, if allowed to migrate into an occupied building where residential exposures would apply, such as single or multiple family residences, a school, day care, senior center, hospital or other similar residential exposure settings.

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Please send written notifications in accordance with the above requirements to the Northeast Regional Office, 2984 Shawano Ave, Green Bay WI 54313 to the attention of the Remediation and Redevelopment Environmental Program Associate.

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

The DNR 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 Tom Sturm at 715-526-4230.

Sincerely,



Roxanne N. Chronert, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments:

- Remaining Soil Contamination Map
- Extent of Cap/Structural Impediment Map
- Maintenance Plan

cc: Jim Drought – Shaw Environmental
Nat and Don's Oil Co., 107 E. 5th St., Shawano, WI 54166

1" = 1/2" 0" 1"

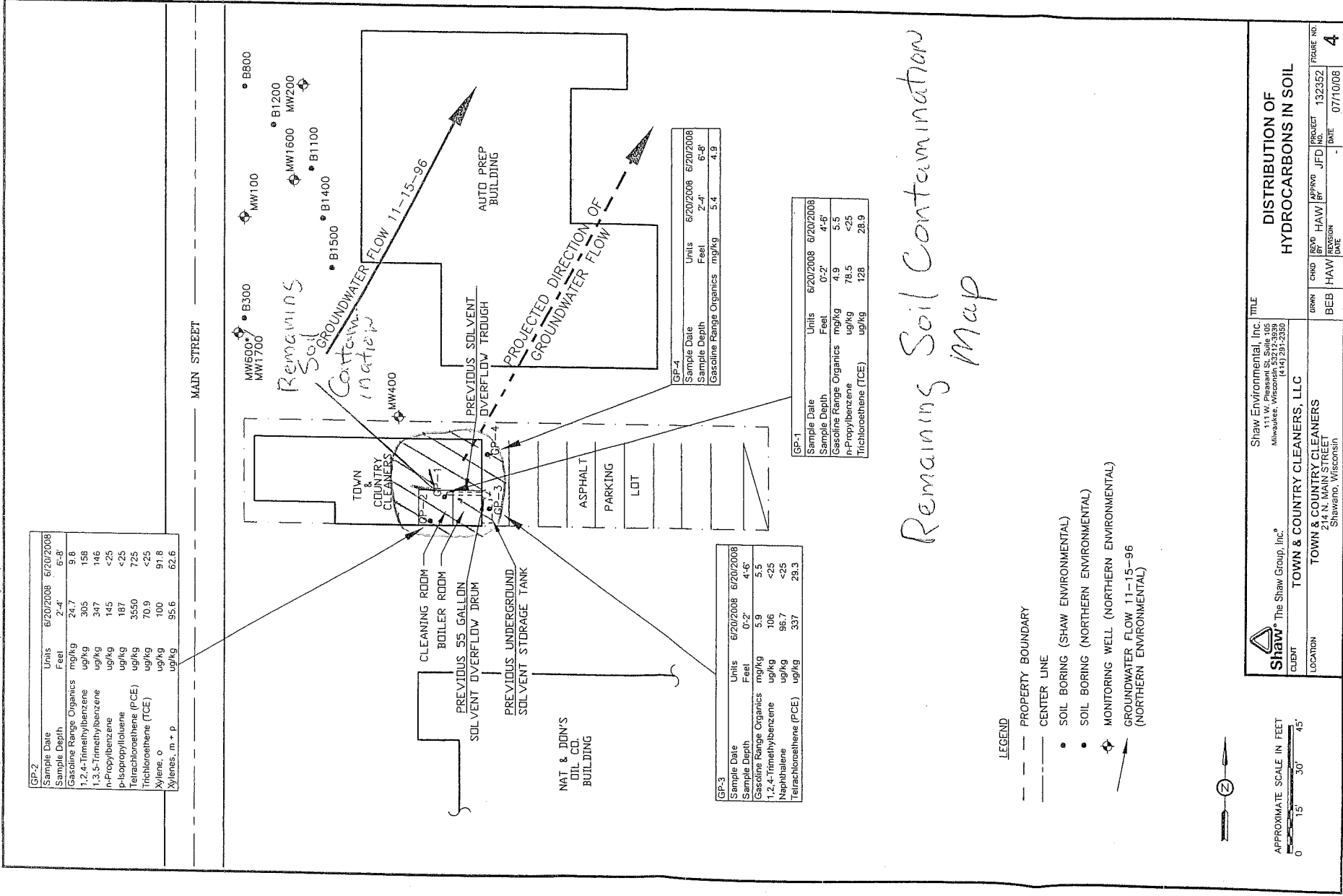
File: G:\Projects\1600000\132352 - Shawano Tec\CAD\132352.dwg Plotout: T604_S0_R07 User: Instructions.dwg Jun 26, 2008 10:11am

GP-2		Units	6/20/2008	6/20/2008
Sample Date	Feet		24.7	9.8
Sample Depth	Feet		2-4'	6'-8'
Gasoline Range Organics	mg/kg		305	158
1,2,4-Trimethylbenzene	ug/kg		347	146
1,3,5-Trimethylbenzene	ug/kg		145	<25
n-Propylbenzene	ug/kg		187	<25
p-Isopropyltoluene	ug/kg		3550	725
Tetrachloroethene (PCE)	ug/kg		70.9	<25
Trichloroethene (TCE)	ug/kg		100	91.8
Xylenes, m + p	ug/kg		95.6	62.6

GP-3		Units	6/20/2008	6/20/2008
Sample Date	Feet		0-2'	4'-6'
Sample Depth	Feet		5.9	5.5
Gasoline Range Organics	mg/kg		106	<25
1,2,4-Trimethylbenzene	ug/kg		96.7	<25
Naphthalene	ug/kg		337	29.3
Tetrachloroethene (PCE)	ug/kg			

GP-1		Units	6/20/2008	6/20/2008
Sample Date	Feet		0-2'	4'-6'
Sample Depth	Feet		4.9	5.5
Gasoline Range Organics	mg/kg		4.9	5.5
n-Propylbenzene	ug/kg		78.5	<25
Trichloroethene (TCE)	ug/kg		128	28.9

GP-4		Units	6/20/2008	6/20/2008
Sample Date	Feet		2-4'	6'-8'
Sample Depth	Feet		5.4	4.9
Gasoline Range Organics	mg/kg			



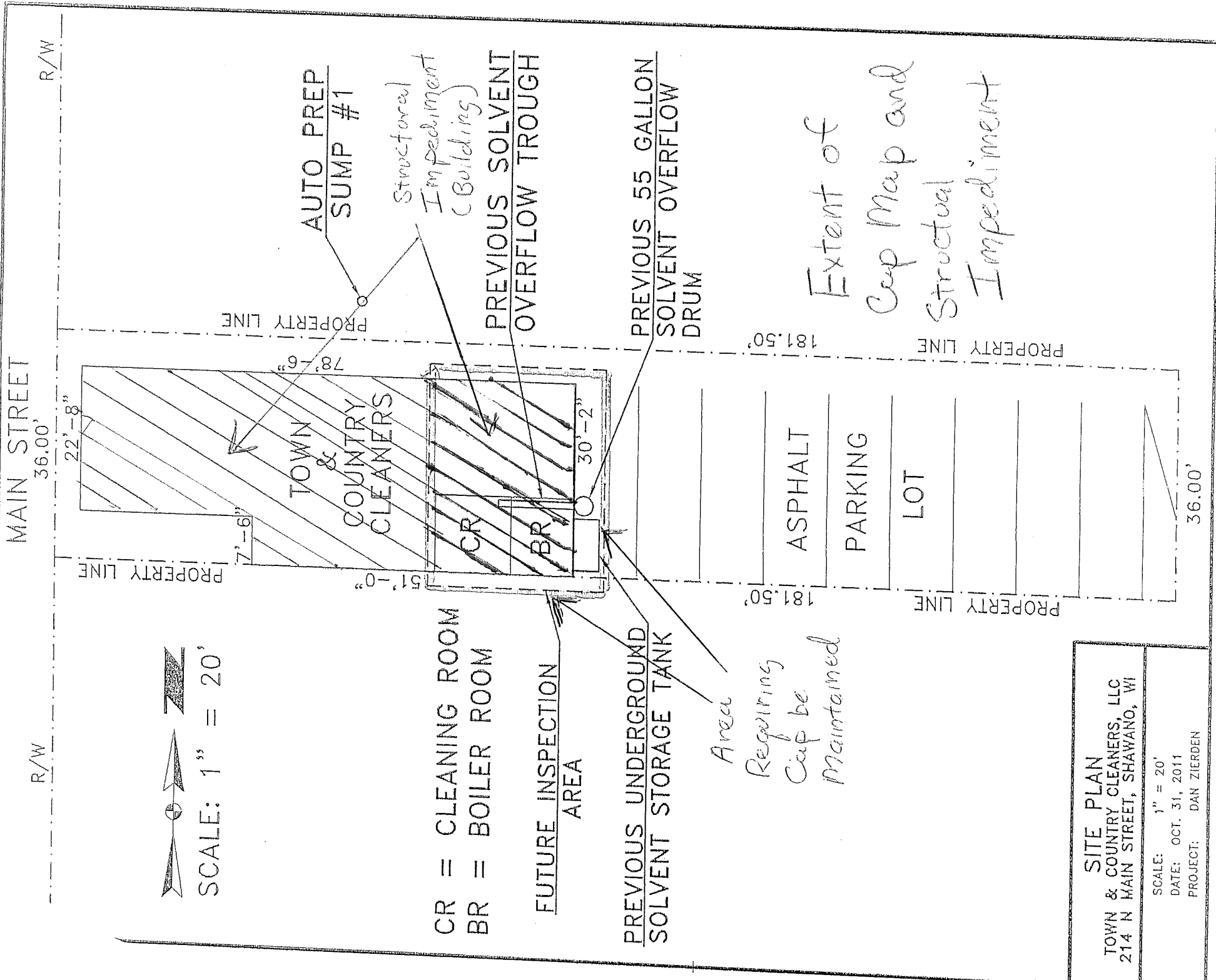
Remains Soil Contamination Map

- LEGEND**
- PROPERTY BOUNDARY
 - - - CENTER LINE
 - SOIL BORING (SHAW ENVIRONMENTAL)
 - SOIL BORING (NORTHERN ENVIRONMENTAL)
 - ◆ MONITORING WELL (NORTHERN ENVIRONMENTAL)
 - GROUNDWATER FLOW 11-15-96 (NORTHERN ENVIRONMENTAL)



APPROXIMATE SCALE IN FEET
0 15 30 45

The Shaw Group, Inc. Milwaukee, Wisconsin 53219-2930 (414) 281-2350		Shaw Environmental, Inc. Milwaukee, Wisconsin 53219-2930 (414) 281-2350	
CLIENT TOWN & COUNTRY CLEANERS		TITLE DISTRIBUTION OF HYDROCARBONS IN SOIL	
LOCATION TOWN & COUNTRY CLEANERS 24 N. MAIN STREET Shawano, Wisconsin		DRAWN BY: BEB CHECKED BY: HAW DESIGNED BY: HAW DATE: 07/10/08	
PROJECT NO.: 132352		FIGURE NO.: 4	



R/W

R/W

MAIN STREET
36.00'



SCALE: 1" = 20'

PROPERTY LINE

PROPERTY LINE

78'-6"

TOWN & COUNTRY CLEANERS

AUTO PREP SUMP #1

Structural Impediment (Building)

CR = CLEANING ROOM
BR = BOILER ROOM

PREVIOUS SOLVENT OVERFLOW TROUGH

FUTURE INSPECTION AREA

PREVIOUS UNDERGROUND SOLVENT STORAGE TANK

PREVIOUS 55 GALLON SOLVENT OVERFLOW DRUM

Area Requiring Cap be Maintained

181.50'

181.50'

ASPHALT

PARKING

LOT

Extent of Cap Map and Structural Impediment

PROPERTY LINE

PROPERTY LINE

SCALE: 1" = 20'
DATE: OCT. 31, 2011
PROJECT: DAN ZIERDEN

SITE PLAN
TOWN & COUNTRY CLEANERS, LLC
214 N MAIN STREET, SHAWANO, WI

36.00'



Pavement Cover and Building Barrier Maintenance Plan Town and Country Cleaners July 2012

Property Location: 214 Main Street, Shawano, Wisconsin
WDNR BRRTS No.: 02-59-552030

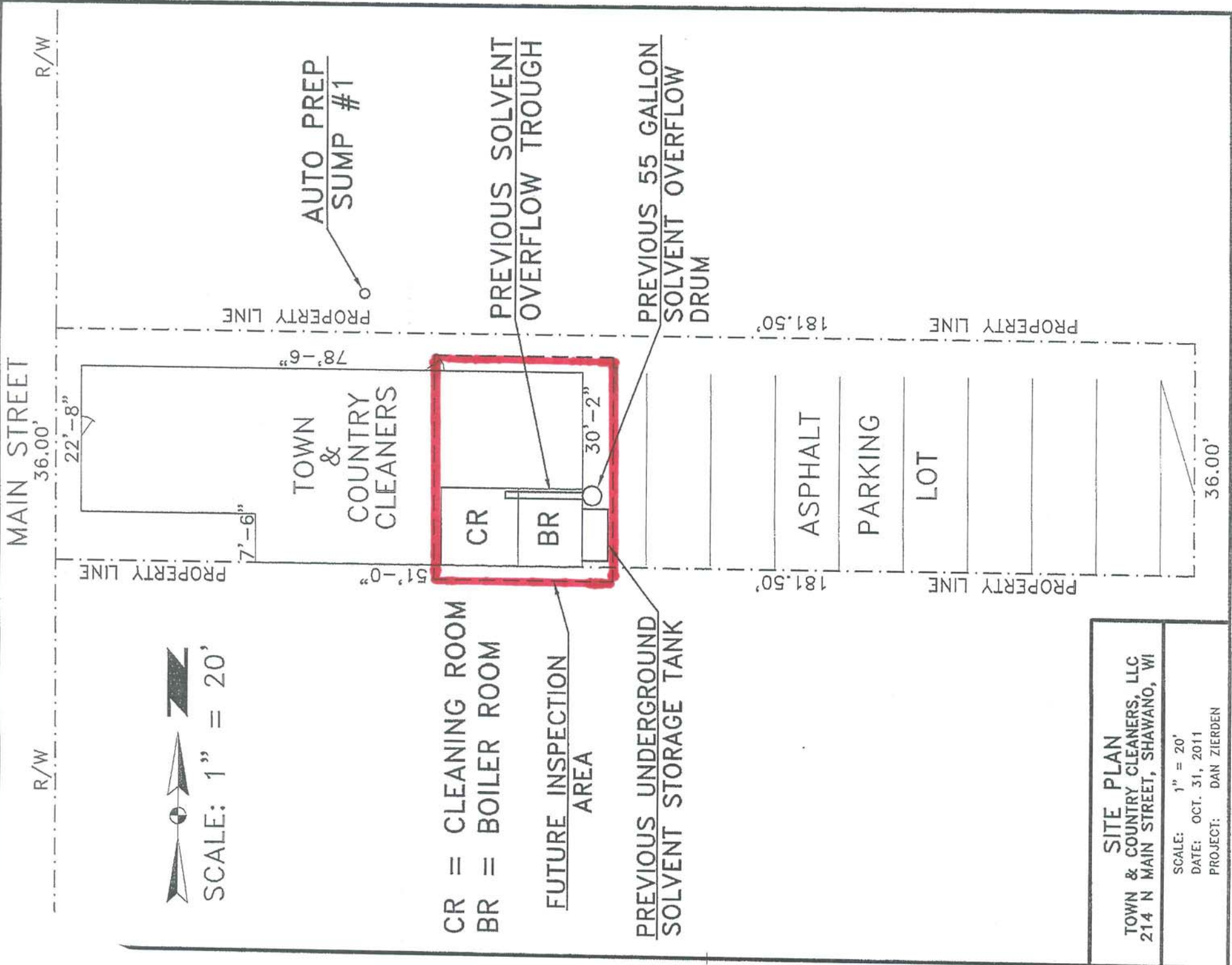
This document represents the Barrier Maintenance Plan prepared by Shaw Environmental, Inc. (Shaw) for the pavement and interior floor surfaces at the above-referenced property in accordance with the closure requirements of Chapter NR 726 of the Wisconsin Administrative Code. As indicated in the area outlined in red on the attached figure prepared by Town and County Cleaners, the annual inspection and maintenance activities will be performed on the improved surfaces within and adjacent to the interior cleaning room. A very limited area of chlorinated hydrocarbon-affected soil was identified in this portion of the subject property during a site investigation completed by Shaw in 2008.

The improved surfaces and the building foundation over the limited area of affected soil serve as a barrier to prevent direct human contact with residual soil contamination that could pose a threat to human health. These surfaces also serve as an infiltration barrier to minimize partitioning of the chlorinated hydrocarbons from soil to groundwater that could exceed the groundwater standards set forth in Chapter NR 140 of the Wisconsin Administrative Code.

The property is zoned commercial and will continue to be used only for commercial uses. The improved and paved surfaces and building will remain in-place and will be maintained. The improved and paved surfaces and the building foundation covering the limited area of affected soil will be inspected annually for deterioration, cracks, and other potential problems that could cause exposure to the underlying soils or infiltration of surface water through the barrier. Inspection records will be maintained by the site owner.

If problems are noted during the annual inspections or at any other time during the year, appropriate repairs will be scheduled as soon as practical. Repairs could include, but are not limited to, patching and filling operations, sealing, or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soils, the owner will inform maintenance workers of the direct contact exposure hazard and provide them with the appropriate personal protective equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain the appropriate soil management practices. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state, and federal laws.

In the event the improved and paved surfaces and/or the building overlying the affected soil and groundwater are removed or replaced, the replacement barrier will be equally impervious. The WDNR or its successor will be notified prior to removal or replacement of the barrier. 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.

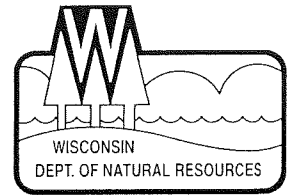





 SCALE: 1" = 20'

CR = CLEANING ROOM
 BR = BOILER ROOM
FUTURE INSPECTION AREA
PREVIOUS UNDERGROUND SOLVENT STORAGE TANK

SITE PLAN	
TOWN & COUNTRY CLEANERS, LLC 214 N MAIN STREET, SHAWANO, WI	
SCALE: 1" = 20'	DATE: OCT. 31, 2011
PROJECT: DAN ZIERDEN	



February 6, 2012

Mr. Dan Zierden
Town and Country Cleaners
214 Main St.
Shawano, WI 54166

Subject: Conditional Case Closure for Town and Country Cleaners
With Requirements to Achieve Final Closure
214 Main St., Shawano, Wisconsin
WDNR BRRTS Activity # 02-59-552030

Dear Mr. Zierden:

On January 27, 2012, the Northeast Region Case Closure Committee reviewed your request for closure of the case described above. The 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 committee has determined that the chlorinated volatile organic compounds (CVOC) contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

PURGE WATER, WASTE AND SOIL PILE REMOVAL

If not already addressed, 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.

CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligation:

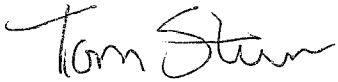
The impervious barrier (building and pavement) over the contaminated soil at GP-1, GP-2 and GP-3 shall be maintained to prevent direct contact with this material and to inhibit surface water infiltration providing a measure of groundwater protection. Given the proximity of the GP-2 to the property line, this requirement shall be extended to a portion of the property to the south as well. A maintenance plan shall be submitted describing the frequency of inspections, how the cap will be repaired if necessary and a log documenting these actions. A site map denoting the extent of soil contamination shall be included with the plan.

The Department will issue a final closure letter when we have received the requested information. Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-526-4230.

Sincerely,

A handwritten signature in black ink that reads "Tom Sturm". The signature is written in a cursive, slightly slanted style.

Tom Sturm
Hydrogeologist
Remediation & Redevelopment Program

cc: James Drought - - Shaw Environmental, 111 West Pleasant St., Suite 105, Milwaukee, WI 53212

447807

VOL. 723 PAGE 113

Alex Zierden and Lorraine Zierden, his wife

conveys and warrants to Daniel P. Zierden

TOWN & COUNTRY CLEANERS
214 N. MAIN ST
SHAWANO WI 54164

the following described real estate in Shawano County,
State of Wisconsin:

REGISTERS OFFICE
SHAWANO COUNTY, WI
Received for Record this 7th
day of July AD 1992 at 1:55
o'clock P.M. AND Recorded in Vol. 723
of Records Pages 113
Steve Redman Registrar

RETURN TO

Tax Parcel No:

Commencing at the Southwest corner of Lot 1 in Block 25 of Sawyer and Andrews Plat of the Village, now City, of Shawano, Wisconsin, thence North on West line of said Block 148 feet and there shall be place of beginning; thence East 181 1/2 feet more or less to East line of said Lot 1; thence North 36 feet; thence West 181 1/2 feet more or less to West line of said Lot 1; thence South 36 feet to place of beginning; also known as Lot 2 in Block 25 of Sawyer and Andrews Plat, according to the Assessor's Map of the City of Shawano, Wisconsin, Shawano County, Wisconsin.

This Warranty Deed is in satisfaction of a Land Contract by and between Alex Zierden and Lorraine Zierden, his wife, and Daniel P. Zierden dated August 23, 1982, and recorded on January 3, 1983, at 3:25 p.m., in Volume 582 of Records, at pages 559-62, as Document No. 385469, in the office of the Register of Deeds for Shawano County, Wisconsin.

TRANSFER
\$ 186.00
FEE

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

Exception to warranties: Any liens or encumbrances created by the act or default of purchaser and except easements, restrictions and judgments of public record.

Dated this 23rd day of June, 19 92

(SEAL) Alex Zierden (SEAL)
* Alex Zierden
(SEAL) Lorraine Zierden (SEAL)
* Lorraine Zierden

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s)

STATE OF WISCONSIN

Shawano County.

SS.

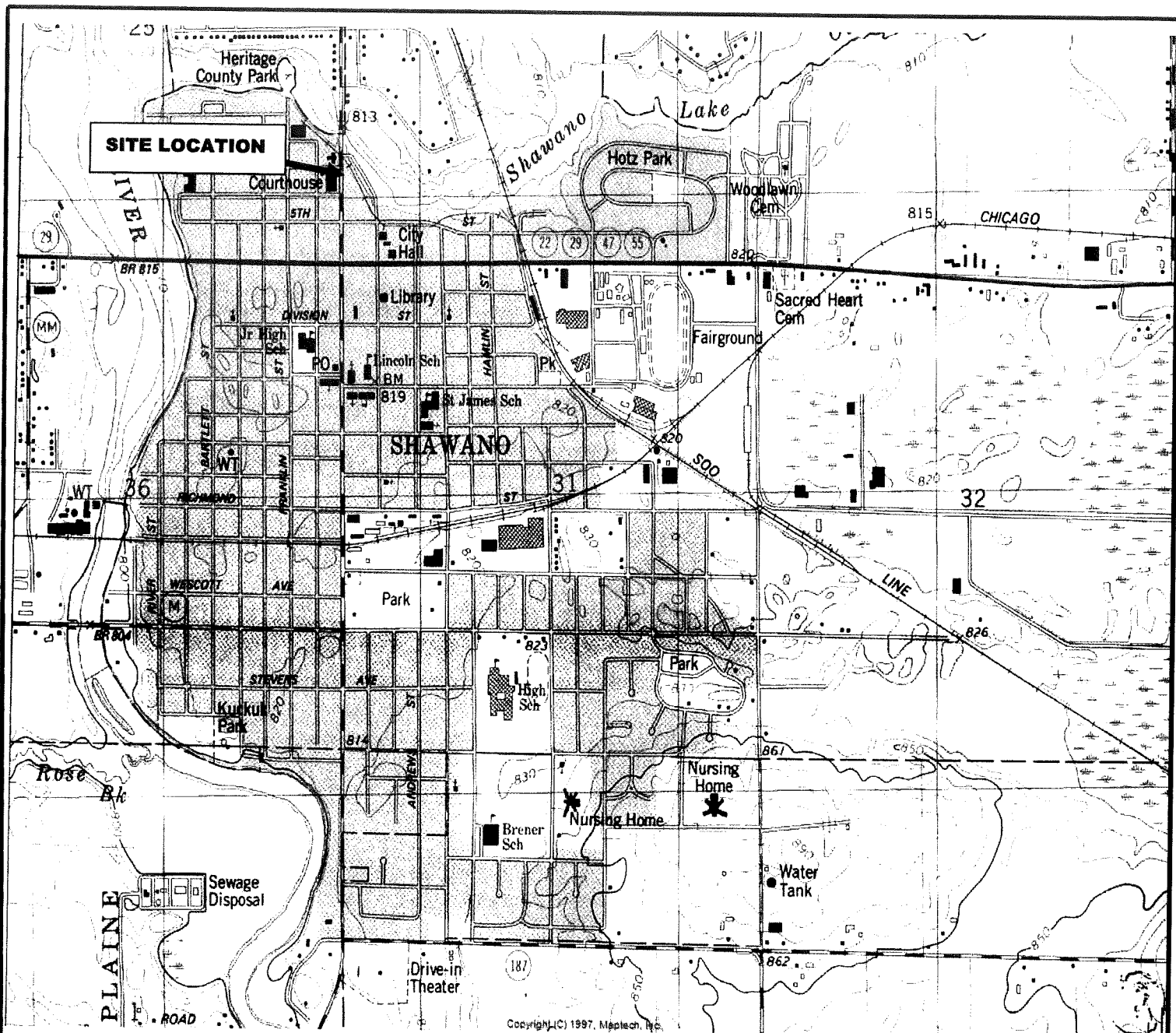
2" Pk
600 Tape

CERTIFICATION

On behalf of Town and Country Cleaners, I do hereby certify that to the best of my knowledge the legal descriptions included are complete and accurate.

Paul P. Ziden
Signature

4-20-09
Date

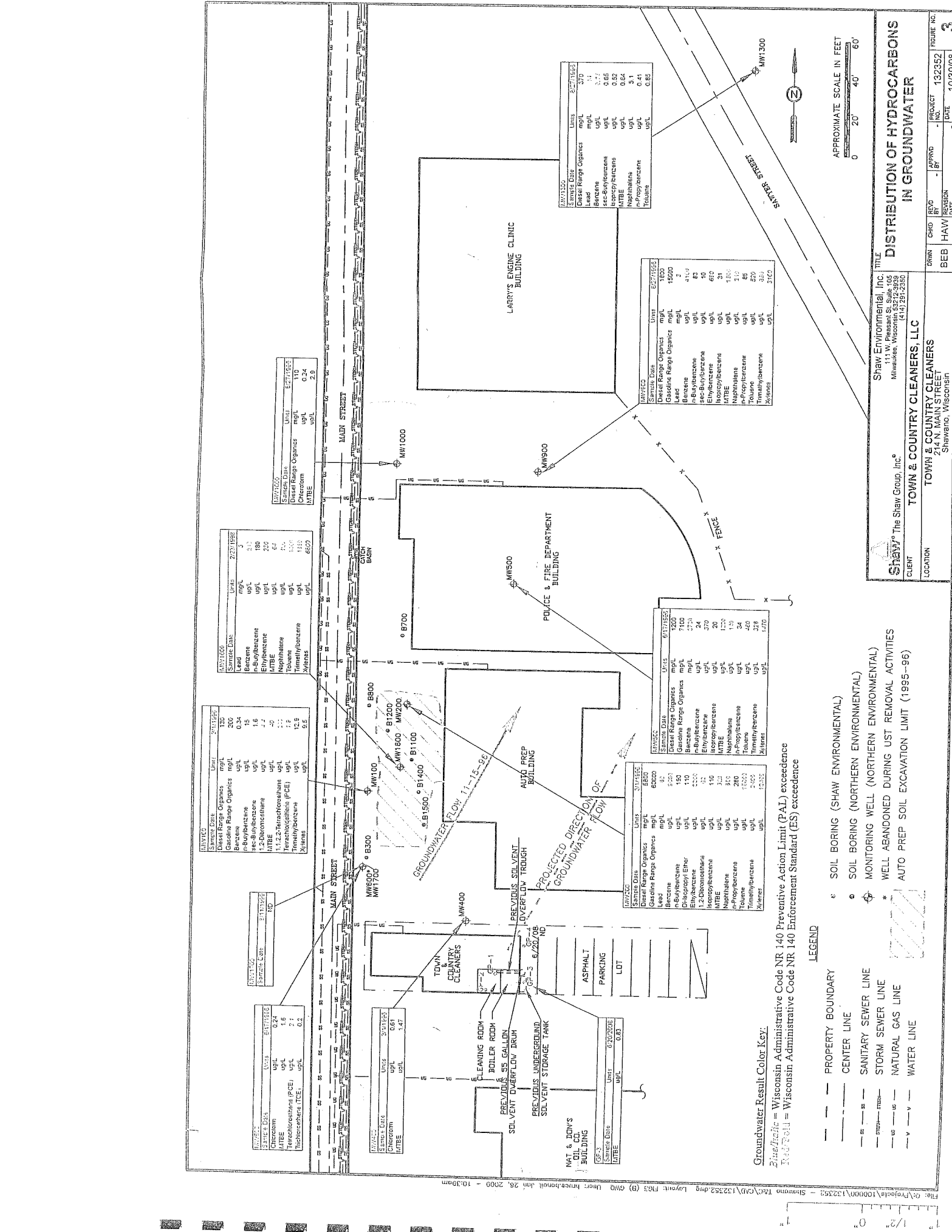


Source: USGS Shawano, Wisconsin 7.5-minute Series (topographic) Quadrangle Map
 Scale: 1:24,000
 Contour Interval 10 feet

SITE LOCATION
 Town & Country Cleaners
 214 North Main Street
 Shawano, Wisconsin
 Shaw Project No. 132352



Figure No.
1



Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	110
Chloroform	ug/L	0.24
MTBE	ug/L	0.24
Chlorobenzene	ug/L	2.9

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	200
Benzene	ug/L	0.34
n-Butylbenzene	ug/L	1.5
1,2-Dichloroethane	ug/L	4.7
MTBE	ug/L	5.5
1,1,2-Trichloroethane	ug/L	12.9
1,1,2,2-Tetrachloroethane	ug/L	5.5
Toluene	ug/L	1.5
Xylenes	ug/L	6.0

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
Benzene	ug/L	0.34
n-Butylbenzene	ug/L	1.5
1,2-Dichloroethane	ug/L	4.7
MTBE	ug/L	5.5
1,1,2-Trichloroethane	ug/L	12.9
1,1,2,2-Tetrachloroethane	ug/L	5.5
Toluene	ug/L	1.5
Xylenes	ug/L	6.0

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Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
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MTBE	ug/L	5.5
1,1,2-Trichloroethane	ug/L	12.9
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Toluene	ug/L	1.5
Xylenes	ug/L	6.0

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Sample Date	Units	Value
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1,1,2-Trichloroethane	ug/L	12.9
1,1,2,2-Tetrachloroethane	ug/L	5.5
Toluene	ug/L	1.5
Xylenes	ug/L	6.0

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
Benzene	ug/L	0.34
n-Butylbenzene	ug/L	1.5
1,2-Dichloroethane	ug/L	4.7
MTBE	ug/L	5.5
1,1,2-Trichloroethane	ug/L	12.9
1,1,2,2-Tetrachloroethane	ug/L	5.5
Toluene	ug/L	1.5
Xylenes	ug/L	6.0

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
Benzene	ug/L	0.34
n-Butylbenzene	ug/L	1.5
1,2-Dichloroethane	ug/L	4.7
MTBE	ug/L	5.5
1,1,2-Trichloroethane	ug/L	12.9
1,1,2,2-Tetrachloroethane	ug/L	5.5
Toluene	ug/L	1.5
Xylenes	ug/L	6.0

Groundwater Result Color Key:
 Blue/White = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedance
 Red/White = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedance

- LEGEND**
- PROPERTY BOUNDARY
 - CENTER LINE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - NATURAL GAS LINE
 - WATER LINE

TOWN & COUNTRY CLEANERS, LLC
 CLIENT: The Shaw Group, Inc.
 LOCATION: 214 N. MAIN STREET, Shawano, Wisconsin

DISTRIBUTION OF HYDROCARBONS IN GROUNDWATER

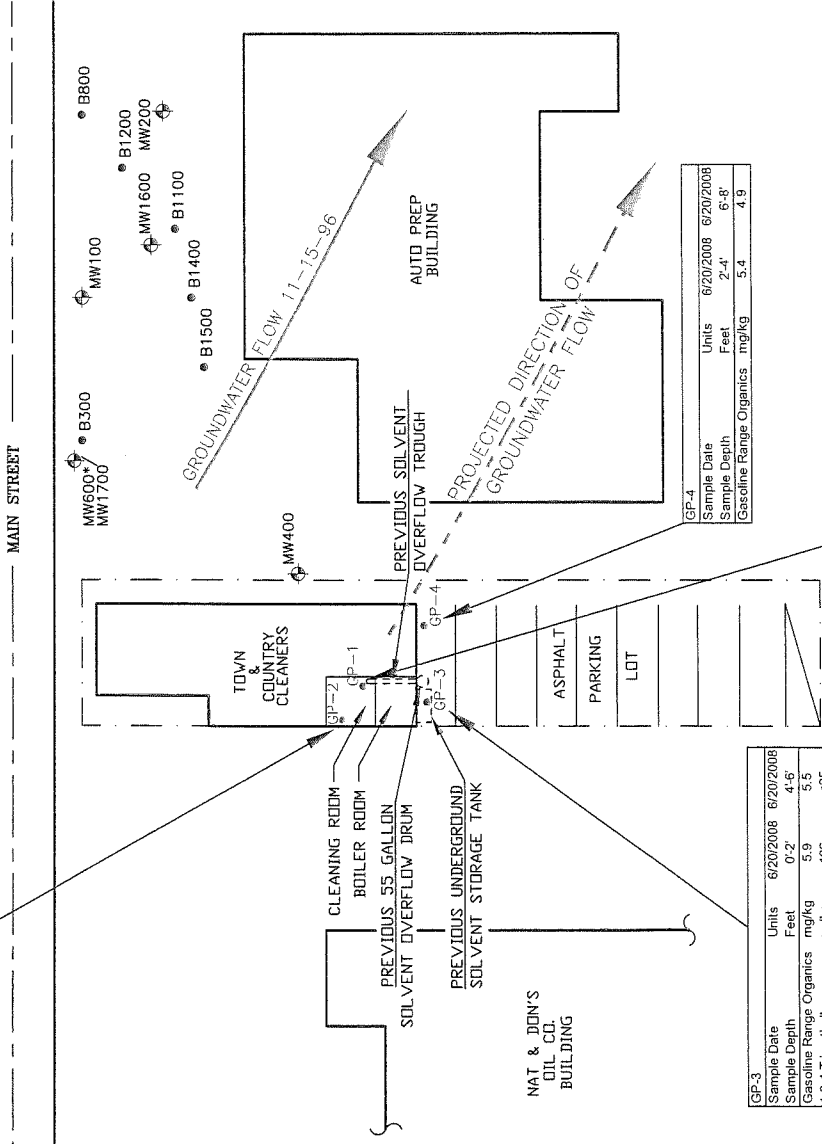
Shaw Environmental, Inc.
 111 W. Pleasant St., Suite 105
 Milwaukee, Wisconsin (414) 231-2555

DRAWN BY: SEB
 CHECKED BY: HAW
 APPROVED BY: [Signature]
 PROJECT NO.: 132352
 DATE: 10/30/08
 FIGURE NO.: 3

1" 1/2" 0" 1"

File: O:\Projects\100000\132352 - Shirono TeC\CD\132352.dwg Layout: FIG4_S0_NEW User: bruce.benoit, Jan 25, 2008 - 10:41am

GP-2	Sample Date	Units	6/20/2008	6/20/2008
	Sample Depth	Feet	2'-4"	6'-8"
	Gasoline Range Organics	mg/kg	24.7	9.8
	1,2,4-Trimethylbenzene	ug/kg	305	158
	1,3,5-Trimethylbenzene	ug/kg	347	146
	n-Propylbenzene	ug/kg	145	<25
	p-Isopropyltoluene	ug/kg	187	<25
	Tetrachloroethene (PCE)	ug/kg	3550	725
	Trichloroethene (TCE)	ug/kg	70.9	<25
	Xylenes, o	ug/kg	100	91.8
	Xylenes, m + p	ug/kg	95.6	62.6



GP-3	Sample Date	Units	6/20/2008	6/20/2008
	Sample Depth	Feet	0'-2"	4'-6"
	Gasoline Range Organics	mg/kg	5.9	5.5
	1,2,4-Trimethylbenzene	ug/kg	106	<25
	Naphthalene	ug/kg	96.7	<25
	Tetrachloroethene (PCE)	ug/kg	337	29.3

GP-4	Sample Date	Units	6/20/2008	6/20/2008
	Sample Depth	Feet	2'-4"	6'-8"
	Gasoline Range Organics	mg/kg	5.4	4.9

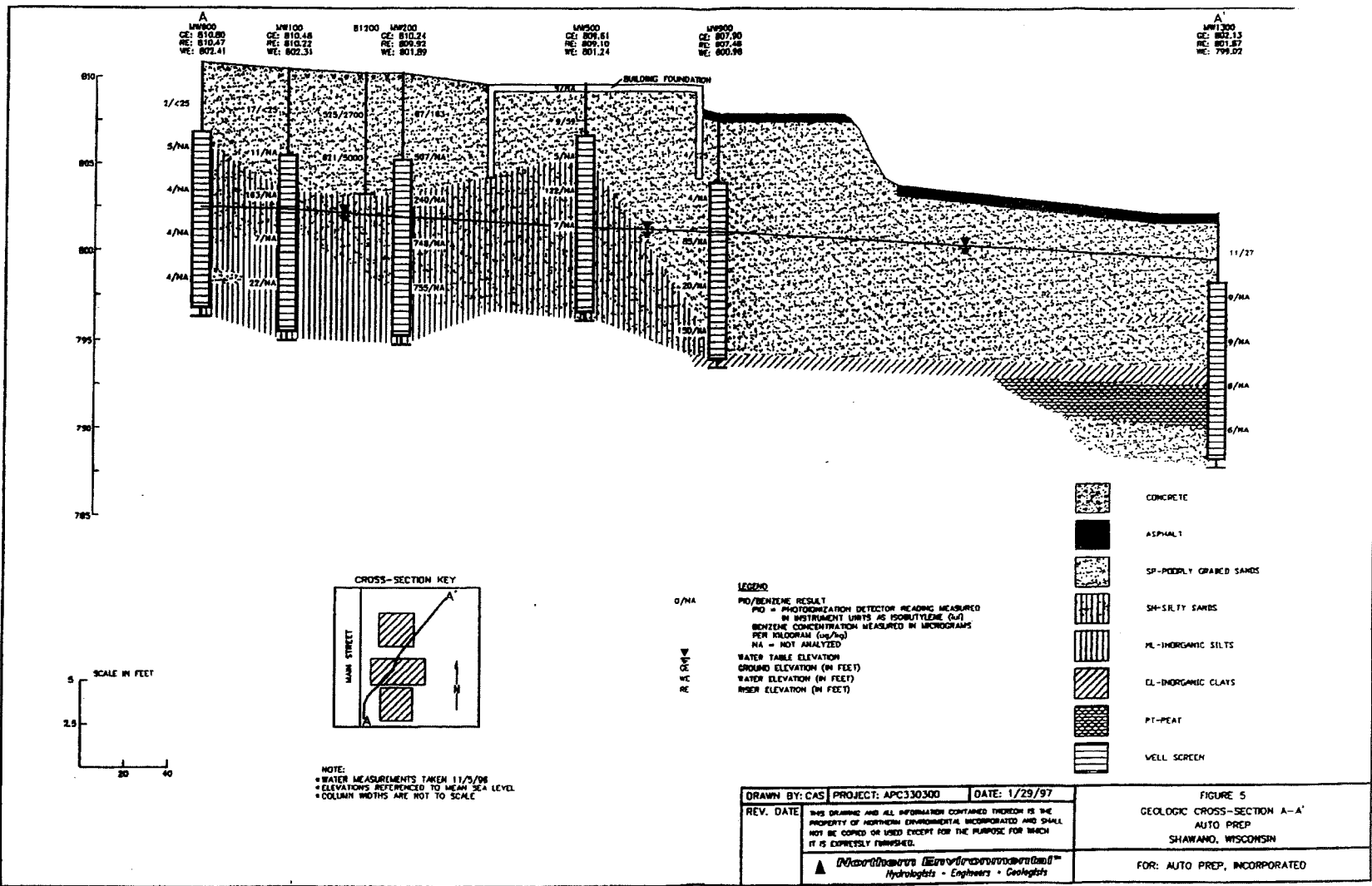
GP-1	Sample Date	Units	6/20/2008	6/20/2008
	Sample Depth	Feet	0'-2"	4'-6"
	Gasoline Range Organics	mg/kg	4.9	5.5
	n-Propylbenzene	ug/kg	78.5	<25
	Trichloroethene (TCE)	ug/kg	128	26.9

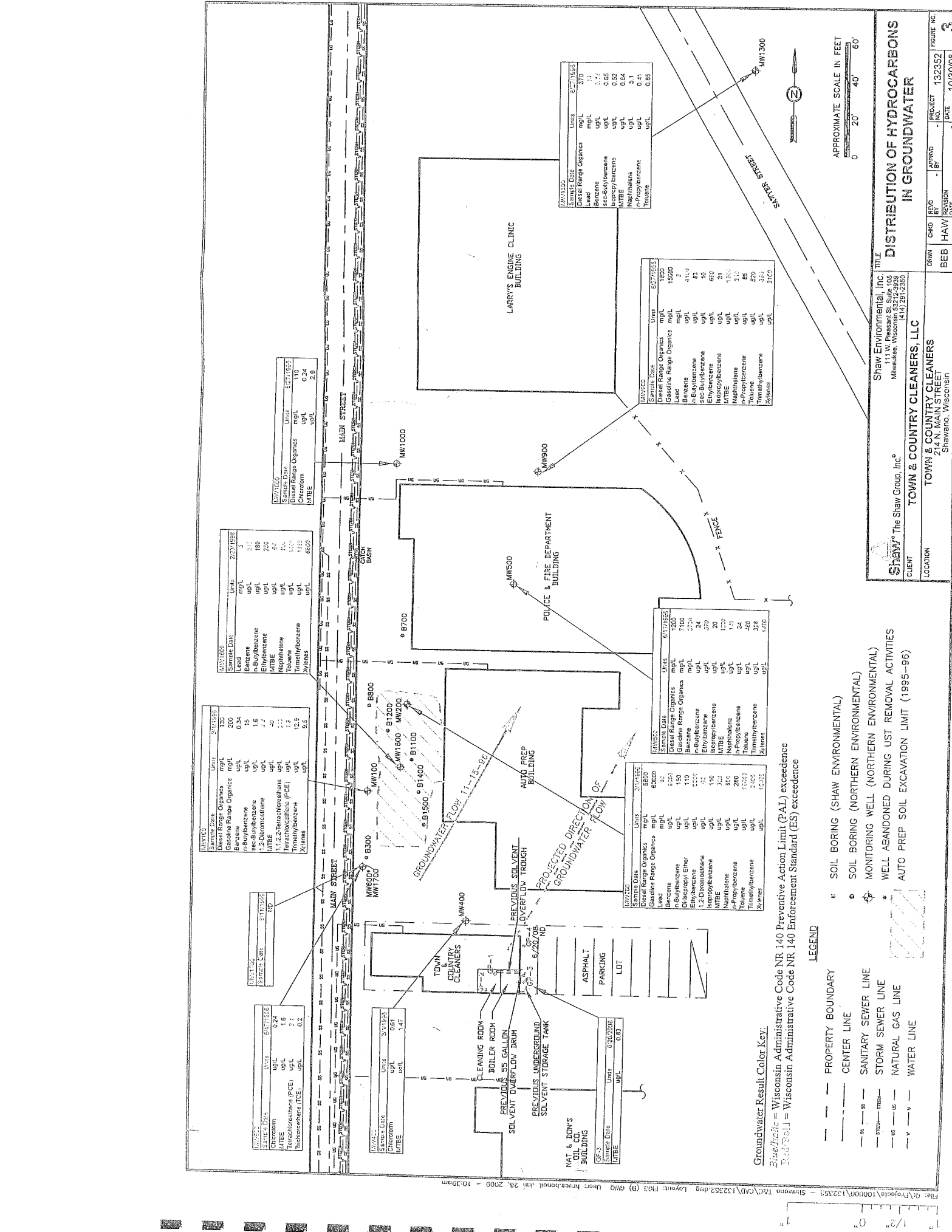
- LEGEND**
- PROPERTY BOUNDARY
 - - - CENTER LINE
 - SOIL BORING (SHAW ENVIRONMENTAL)
 - SOIL BORING (NORTHERN ENVIRONMENTAL)
 - ⊕ MONITORING WELL (NORTHERN ENVIRONMENTAL)
 - GROUNDWATER FLOW 11-15-96 (NORTHERN ENVIRONMENTAL)



APPROXIMATE SCALE IN FEET
0 15' 30' 45'

Shaw The Shaw Group, Inc. CLIENT		TITLE DISTRIBUTION OF HYDROCARBONS IN SOIL	
LOCATION TOWN & COUNTRY CLEANERS, LLC 214 N. MAIN STREET Shawano, Wisconsin		PROJECT NO. 132352	
TITLE TOWN & COUNTRY CLEANERS, LLC 111 W. Pleasant St., Suite 105 Milwaukee, Wisconsin 53215-3939 (414) 251-2525		DATE 07/10/08	
APPROVED BY JFD		FIGURE NO. 4	
CHD BEB		DATE 07/10/08	
HAW BEB		DATE 07/10/08	
HAW BEB		DATE 07/10/08	





Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	110
Lead	ug/L	0.24
Benzene	ug/L	1.10
n-Butylbenzene	ug/L	0.24
Ethylbenzene	ug/L	1.10
1,2-Dichlorobenzene	ug/L	0.24
MTBE	ug/L	1.10
1,1,2-Trichloroethane	ug/L	0.24
Terachloroethane (TCE)	ug/L	1.10
Timethylbenzene	ug/L	0.24
Xylenes	ug/L	1.10

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	200
Lead	ug/L	0.34
Benzene	ug/L	1.5
n-Butylbenzene	ug/L	1.80
Ethylbenzene	ug/L	2.50
1,2-Dichlorobenzene	ug/L	0.7
MTBE	ug/L	6.7
1,1,2-Trichloroethane	ug/L	1.50
Terachloroethane (TCE)	ug/L	1.50
Timethylbenzene	ug/L	1.50
Xylenes	ug/L	6.50

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
Lead	ug/L	0.34
Benzene	ug/L	1.5
n-Butylbenzene	ug/L	1.80
Ethylbenzene	ug/L	2.50
1,2-Dichlorobenzene	ug/L	0.7
MTBE	ug/L	6.7
1,1,2-Trichloroethane	ug/L	1.50
Terachloroethane (TCE)	ug/L	1.50
Timethylbenzene	ug/L	1.50
Xylenes	ug/L	6.50

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
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1,2-Dichlorobenzene	ug/L	0.7
MTBE	ug/L	6.7
1,1,2-Trichloroethane	ug/L	1.50
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Timethylbenzene	ug/L	1.50
Xylenes	ug/L	6.50

Sample Date: 6/27/1995

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Timethylbenzene	ug/L	1.50
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Timethylbenzene	ug/L	1.50
Xylenes	ug/L	6.50

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
Lead	ug/L	0.34
Benzene	ug/L	1.5
n-Butylbenzene	ug/L	1.80
Ethylbenzene	ug/L	2.50
1,2-Dichlorobenzene	ug/L	0.7
MTBE	ug/L	6.7
1,1,2-Trichloroethane	ug/L	1.50
Terachloroethane (TCE)	ug/L	1.50
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Sample Date	Units	Value
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Lead	ug/L	0.34
Benzene	ug/L	1.5
n-Butylbenzene	ug/L	1.80
Ethylbenzene	ug/L	2.50
1,2-Dichlorobenzene	ug/L	0.7
MTBE	ug/L	6.7
1,1,2-Trichloroethane	ug/L	1.50
Terachloroethane (TCE)	ug/L	1.50
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Benzene	ug/L	1.5
n-Butylbenzene	ug/L	1.80
Ethylbenzene	ug/L	2.50
1,2-Dichlorobenzene	ug/L	0.7
MTBE	ug/L	6.7
1,1,2-Trichloroethane	ug/L	1.50
Terachloroethane (TCE)	ug/L	1.50
Timethylbenzene	ug/L	1.50
Xylenes	ug/L	6.50

Sample Date: 6/27/1995

Sample Date	Units	Value
Gasoline Range Organics	mg/L	130
Lead	ug/L	0.34
Benzene	ug/L	1.5
n-Butylbenzene	ug/L	1.80
Ethylbenzene	ug/L	2.50
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Groundwater Result Color Key:
 Blue/White = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedance
 Red/White = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedance

- LEGEND**
- PROPERTY BOUNDARY
 - CENTER LINE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - NATURAL GAS LINE
 - WATER LINE

APPROXIMATE SCALE IN FEET
 0 20 40 60

DISTRIBUTION OF HYDROCARBONS IN GROUNDWATER

Client: **TOWN & COUNTRY CLEANERS, LLC**
 214 N. MAIN STREET
 Shawano, Wisconsin

Shaw Environmental, Inc.
 111 W. Pleasant St., Suite 105
 Milwaukee, Wisconsin (414) 231-2555

Drawn By: **SEB**
 Checked By: **HAW**
 Approved By: **SEB**

Project No: **132352**
 Date: **10/30/08**
 Figure No: **3**

Table 1

**Summary of Detected Soil VOC Results
Shawano Town & Country Cleaners
214 N. Main Street
Shawano, Wisconsin**

Boring/Well Number	NR 720.09	NR 746.06		GP-1 S-1	GP-1 S-3	GP-2 S-2	GP-2 S-4	GP-3 S-1	GP-3 S-3	GP-4 S-2	GP-4 S-4	
Sample Date	Generic	Table 1	Table 2	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	
Sample Depth	Units	RCLs	(Product)	(Contact)	0'-2'	4'-6'	2'-4'	6'-8'	0'-2'	4'-6'	2'-4'	6'-8'
PID	ppm/v				0	0		0		0		0
Gasoline Range Organics	mg/kg	100/250	NES	NES	4.9 1j	5.5 1j	24.7 1j	9.8 1j	5.9 1j	0	5.5 1j	5.4 1j
1,2,4-Trimethylbenzene	µg/kg	NES	[83000]	NES	< 25 w	< 25 w	305	158	< 25 w	< 25 w	< 25 w	< 25 w
1,3,5-Trimethylbenzene	µg/kg	NES	[11000]	NES	< 25 w	< 25 w	347	146	< 25 w	< 25 w	< 25 w	< 25 w
Naphthalene	µg/kg	NES	[2700]	NES	78.5	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w
n-Propylbenzene	µg/kg	NES	NES	NES	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w
p-Isopropyltoluene	µg/kg	NES	NES	NES	< 25 w	< 25 w	145	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w
Tetrachloroethene (PCE)	µg/kg	NES	NES	NES	< 25 w	< 25 w	187	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w
Trichloroethene (TCE)	µg/kg	NES	NES	NES	128	28.9 J	3550	725	337	29.3 J	< 25 w	< 25 w
Xylene, o	µg/kg	4100	[42000]	NES	< 25 w	< 25 w	70.9	< 25 w	< 25 w	< 25 w	< 25 w	< 25 w
Xylenes, m + p	µg/kg	4100	[42000]	NES	< 25 w	< 25 w	100	91.8 J	< 25 w	< 25 w	< 25 w	< 25 w
					< 25 w	< 25 w	95.6 J	62.6 J	< 25 w	< 25 w	< 25 w	< 25 w

NOTES:

PID = organic vapor meter/photoionization detector

VOCs = Volatile Organic Compounds

mg/kg = milligrams per kilogram

ppm/v = parts per million per volume

µg/kg = micrograms per kilogram

NES = no established standard

GRO = Gasoline Range Organics

1j = Approximately 5.7 mg/kg of GRO value is due to the addition of 8260 surrogate standards.

W = Non-detected results are reported on a wet weight basis.

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Red/Bold = Wisconsin Administrative Code NR 720.09 Generic Residual Contaminant Level (RCL) exceedence

Blue/italic = Wisconsin Administrative Code NR 746.06 Table 2 (Direct Contact) exceedence

[Violet/Bold] = Wisconsin Administrative Code NR 746.06 Table 1 (Product Indicator) exceedence

Summary of Groundwater VOC Results
Shawano Town & Country Cleaners
214 N. Main Street
Shawano, Wisconsin

Well Number Sample Date	Units	NR 140.10 Table 1		GP-3 6/20/2008	GP-4 6/20/2008
		PAL	ES		
Gasoline Range Organics	µg/l	NES	NES	< 26.2	< 26.2
1,1,1,2-Tetrachloroethane	µg/l	7	70	< 0.92	< 0.92
1,1,1-Trichloroethane	µg/l	40	200	< 0.9	< 0.9
1,1,2,2-Tetrachloroethane	µg/l	0.02	0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	µg/l	0.5	5	< 0.42	< 0.42
1,1-Dichloroethane	µg/l	85	850	< 0.75	< 0.75
1,1-Dichloroethene	µg/l	0.7	7	< 0.57	< 0.57
1,1-Dichloropropene	µg/l	NES	NES	< 0.75	< 0.75
1,2,3-Trichlorobenzene	µg/l	NES	NES	< 0.74	< 0.74
1,2,3-Trichloropropane	µg/l	12	60	< 0.99	< 0.99
1,2,4-Trichlorobenzene	µg/l	14	70	< 0.97	< 0.97
1,2,4-Trimethylbenzene	µg/l	96*	480*	< 0.97	< 0.97
1,2-Dibromo-3-chloropropane	µg/l	0.02	0.2	< 0.87	< 0.87
1,2-Dibromoethane	µg/l	0.005	0.05	< 0.56	< 0.56
1,2-Dichlorobenzene	µg/l	60	600	< 0.83	< 0.83
1,2-Dichloroethane (1,2-DCA)	µg/l	0.5	5	< 0.36	< 0.36
1,2-Dichloropropane	µg/l	0.5	5	< 0.46	< 0.46
1,3,5-Trimethylbenzene	µg/l	96*	480*	< 0.83	< 0.83
1,3-Dichlorobenzene	µg/l	125	1250	< 0.87	< 0.87
1,3-Dichloropropane	µg/l	NES	NES	< 0.61	< 0.61
1,4-Dichlorobenzene	µg/l	15	75	< 0.95	< 0.95
2,2-Dichloropropane	µg/l	NES	NES	< 0.62	< 0.62
2-Chlorotoluene	µg/l	NES	NES	< 0.85	< 0.85
4-Chlorotoluene	µg/l	NES	NES	< 0.74	< 0.74
Benzene	µg/l	0.5	5	< 0.41	< 0.41
Bromobenzene	µg/l	NES	NES	< 0.82	< 0.82
Bromochloromethane	µg/l	NES	NES	< 0.97	< 0.97
Bromodichloromethane	µg/l	0.06	0.6	< 0.56	< 0.56
Bromoform	µg/l	0.44	4.4	< 0.94	< 0.94
Bromomethane	µg/l	1	10	< 0.91	< 0.91
Carbon Tetrachloride	µg/l	0.5	5	< 0.49	< 0.49
Chlorobenzene	µg/l	NES	NES	< 0.41	< 0.41
Chlorodibromomethane	µg/l	6	60	< 0.81	< 0.81
Chloroethane	µg/l	80	400	< 0.97	< 0.97
Chloroform	µg/l	0.6	6	< 0.37	< 0.37
Chloromethane	µg/l	0.3	3	< 0.24	< 0.24
cis-1,2-Dichloroethene (DCE)	µg/l	7	70	< 0.83	< 0.83
cis-1,3-Dichloropropene	µg/l	0.02	0.2	< 0.19	< 0.19
Dibromomethane	µg/l	NES	NES	< 0.6	< 0.6
Dichlorodifluoromethane	µg/l	200	1000	< 0.99	< 0.99
Diisopropyl Ether	µg/l	NES	NES	< 0.76	< 0.76
Ethylbenzene	µg/l	140	700	< 0.54	< 0.54
Fluorotrichloromethane	µg/l	698	3490	< 0.79	< 0.79
Hexachlorobutadiene	µg/l	NES	NES	< 0.67	< 0.67
Isopropylbenzene	µg/l	NES	NES	< 0.59	< 0.59
Methylene Chloride	µg/l	0.5	5	< 0.43	< 0.43
Methyl-tert-butyl-ether (MTBE)	µg/l	12	60	0.83	< 0.61
Naphthalene	µg/l	10	100	< 0.74	< 0.74
n-Butylbenzene	µg/l	NES	NES	< 0.93	< 0.93
n-Propylbenzene	µg/l	NES	NES	< 0.81	< 0.81
p-Isopropyltoluene	µg/l	NES	NES	< 0.67	< 0.67
sec-Butylbenzene	µg/l	NES	NES	< 0.89	< 0.89
Styrene	µg/l	10	100	< 0.86	< 0.86
tert-Butylbenzene	µg/l	NES	NES	< 0.97	< 0.97
Tetrachloroethene (PCE)	µg/l	0.5	5	< 0.45	< 0.45
Toluene	µg/l	200	1000	< 0.67	< 0.67
trans-1,2-Dichloroethene (DCE)	µg/l	20	100	< 0.89	< 0.89
trans-1,3-Dichloropropene	µg/l	0.02	0.2	< 0.19	< 0.19
Trichloroethene (TCE)	µg/l	0.5	5	< 0.48	< 0.48
Vinyl Chloride	µg/l	0.02	0.2	< 0.18	< 0.18
Xylene, o	µg/l	1000*	10000*	< 1.8	< 1.8
Xylenes, m + p	µg/l	1000*	10000*	< 0.83	< 0.83

NOTES

NES = no established standard

NA = not analyzed

µg/l = micrograms per liter

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence*Blue/Italic* = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence