

**State of Wisconsin**  
DEPARTMENT OF NATURAL RESOURCES  
473 Griffith Ave.  
Wisconsin Rapids WI 54494

**Scott Walker, Governor**  
**Cathy Stepp, Secretary**  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



April 6, 2017

Nicholas Buck  
2146 West 10<sup>th</sup> Drive  
Adams WI 53910

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

**SUBJECT:** Final Case Closure with Continuing Obligations  
SHARI SALES & SVC FMR, 1866 STH 13, Friendship WI  
DNR BRRTS Activity #: 03-01-561731

Dear Mr. Buck:

The Department of Natural Resources (DNR) considers SHARI SALES & SVC FMR closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners and occupants 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 to anyone who purchases, rents or leases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. The West Central Region (WCR) Closure Committee reviewed the request for closure on June 2, 2016. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards. A request for remaining actions needed was issued by the DNR on February 3, 2017, and documentation that the conditions in that letter were met was received on March 21, 2017.

This former gas station had soil and groundwater contaminated with petroleum VOCs. The remedial response was a site investigation and groundwater monitoring. 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.

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

The DNR fact sheet "Continuing Obligations for Environmental Protection," RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at <http://dnr.wi.gov/topic/Brownfields/rrsm.html>, to provide public notice of residual contamination and of

any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, under the Geographic Information System (GIS) Registry layer, at the same web address.

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. This requirement applies to private drinking water wells and high capacity wells. 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/topic/wells/documents/3300254.pdf>.

All site information is also on file at the Wisconsin Rapids Regional DNR office, at 473 Griffith Avenue, Wisconsin Rapids. This letter and information that was submitted with your closure request application can be found as a PDF in BRRTS on the Web.

#### 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 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.

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

Department of Natural Resources  
Attn: Dee Lance  
473 Griffith Avenue  
Wisconsin Rapids WI 54494

#### Residual Groundwater Contamination (chs. NR 140 and 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present on this contaminated property as shown on the attached map – B.3.b Groundwater Isoconcentration map dated 7/15/2014

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

Soil contamination remains around the former pump island and fuel oil tank areas as indicated on the attached map – Residual Soil Contamination B.2.b dated 7/15/2014. 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. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

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.

Other Closure Information

PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (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 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 DNR Program to determine the method for salvaging the equipment.

Per Wisconsin Act 55 (2015 State budget), a claim for PECFA reimbursement must be submitted within 180 days of incurring costs (i.e., completing a task). If your final PECFA claim is not submitted within 180 days of incurring the costs, the costs will not be eligible for PECFA reimbursement.

In Closing

Please be aware that the case may be reopened pursuant to s. NR 727.13; Wis. Adm. Code, for any of the following situations:

- 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,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

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 Dee Lance at 715-421-7862, or at [Dee.Lance@wisconsin.gov](mailto:Dee.Lance@wisconsin.gov).

Sincerely,



Dave Rozeboom  
West Central Region Team Supervisor  
Remediation & Redevelopment Program

Attachments:

- Groundwater Isoconcentration Map B.3.b dated 7/15/2014
- Residual Soil Contamination Map B.2.b dated 7/15/2014

cc: Jason Powell, METCO

FORMER SERVICE STATION  
WELL LOCATION UNKNOWN

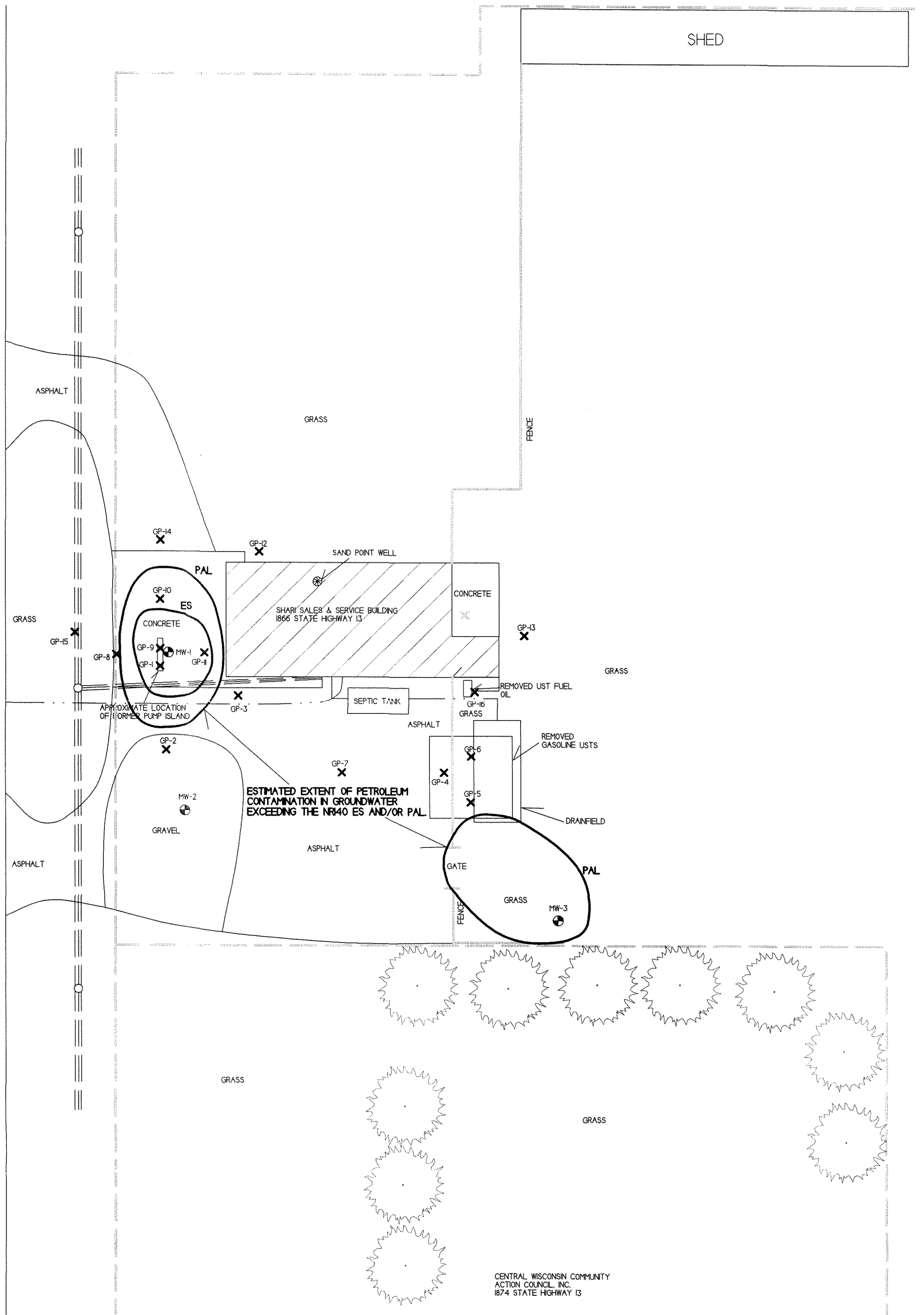
STATE HIGHWAY 13

SHED

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

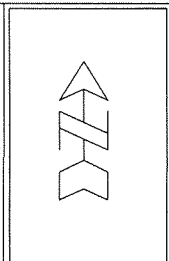
RESIDENCE  
WELL LOCATION UNKNOWN



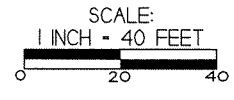
ESTIMATED EXTENT OF PETROLEUM  
CONTAMINATION IN GROUNDWATER  
EXCEEDING THE NR40 ES AND/OR PAL

CENTRAL WISCONSIN COMMUNITY  
ACTION COUNCIL, INC.  
1874 STATE HIGHWAY 13

<p>B.3.b. GROUNDWATER ISOCONCENTRATION SHARI SALES &amp; SERVICE (FORMER)</p>	
	<p>709 Gallette Street, Suite 3 Ely, Wisconsin 54603 Tel: (908) 781-8870 Fax: (908) 781-8893</p>
<p>FRIENDSHIP, WISCONSIN</p>	
<p>DRAWN BY: ED 07/15/2014 MODIFIED BY: JJ 02/12/2014</p>	



- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- ✕ - GEOPROBE BORING LOCATION
  - ⊕ - POTABLE WELL LOCATION
  - ⊙ - MONITORING WELL LOCATION
  - — — — — - PROPERTY BOUNDARY
  - ≡ ≡ ≡ ≡ ≡ - OVER-HEAD ELECTRIC
  - - - - - - SEPTIC SEWER LINE
  - — — — — - NATURAL GAS LINE





Letter of Transmittal

**RECEIVED**

WI Dept of Natural Resources

**MAR 21 2017**

Wisconsin Rapids Service Center  
Wisconsin Rapids, WI

*Submitted to:*

**Dee Lance**

WI Dept. of Natural Resources  
473 Griffith Avenue  
Wisconsin Rapids WI 54494

Date:

2/22/2017

Attached

Job:

Shari Sales & Service (Former)

Under Separate Cover

Contents:

Well Abandonment Forms.  
BRRTS #: 03-01-561731

Remarks:

Attached are the well abandonment forms as requested in your "Remaining Actions Needed" letter dated 2/3/17. No investigative waste remains on-site. Once you have reviewed this information please forward the "Final Closure" letter to the RP and METCO.

If you have any questions please call or email.

Signed: Jason Powell

cc: Nicholas Buck - Client

**METCO**  
**709 Gillette St., Ste 3**  
**La Crosse, WI 54603-2382**  
**(608)781-8879 fax (608)781-8893**

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:  
 Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

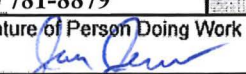
County <b>ADAMS</b>	WI Unique Well # of Removed Well <b>VO494</b>	Hicap #	Facility Name <b>Shari Sales &amp; Service</b>
Latitude / Longitude (Degrees and Minutes) <b>43 ° 59.18 ' N</b>		Method Code (see instructions)	Facility ID (FID or PWS)
<b>89 ° 48.73 ' W</b>			License/Permit/Monitoring #
1/4 NE    1/4 SW	Section <b>32</b>	Township <b>18 N</b>	Range <b>6 E</b>
or Gov't Lot #			<input checked="" type="checkbox"/> W
Well Street Address <b>1866 State Hwy 13</b>		Original Well Owner <b>Nicholas Buck</b>	
Well City, Village or Town <b>Friendship</b>		Present Well Owner <b>Nicholas Buck</b>	
Subdivision Name		Mailing Address of Present Owner <b>2146 West 10th Drive</b>	
Well ZIP Code <b>53934-</b>		City of Present Owner <b>Adams</b>	State <b>WI</b>
Lot #		ZIP Code <b>53910-</b>	

**3. Well / Drillhole / Borehole Information**      **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Sampling Complete</b>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>3. Well / Drillhole / Borehole Information</b>		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>3/23/2015</b>	Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		If yes, was hole relapped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <b>25</b>	Casing Diameter (in.) <b>2</b>	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <b>8</b>	Casing Depth (ft.) <b>15</b>	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <b>Gravity</b>
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) <b>20.89</b>	Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips
If yes, to what depth (feet)? <b>11</b>		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	25	40

**6. Comments**  
Monitoring Well MW-1

<b>7. Supervision of Work</b>			<b>DNR Use Only</b>	
Name of Person or Firm Doing Filling & Sealing <b>Jon Jensen/METCO</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>2/20/2017</b>	Date Received	Noted By
Street or Route <b>709 Gillette St, Ste. 3</b>		Telephone Number <b>(608) 781-8879</b>	Comments	
City <b>La Crosse</b>	State <b>WI</b>	ZIP Code <b>54603-</b>	Signature of Person Doing Work 	Date Signed <b>2/20/2017</b>



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

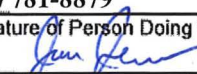
Route to:  
 Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <b>ADAMS</b>		WI Unique Well # of Removed Well _____ <b>VO495</b> _____		Facility Name <b>Shari Sales &amp; Service</b>		Facility ID (FID or PWS)	
Latitude / Longitude (Degrees and Minutes) <b>43</b> ° <b>59.18</b> ' N		Method Code (see instructions)		License/Permit/Monitoring #		Original Well Owner <b>Nicholas Buck</b>	
<b>89</b> ° <b>48.73</b> ' W		Section <b>32</b>		Township <b>18 N</b>		Range <b>6</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>1866 State Hwy 13</b>		Well ZIP Code <b>53934-</b>		Present Well Owner <b>Nicholas Buck</b>		Mailing Address of Present Owner <b>2146 West 10th Drive</b>	
Well City, Village or Town <b>Friendship</b>		Subdivision Name		City of Present Owner <b>Adams</b>		State <b>WI</b>	
or Gov't Lot #		Lot #		ZIP Code <b>53910-</b>			

Reason For Removal From Service <b>Sampling Complete</b>		WI Unique Well # of Replacement Well _____		<b>4. Pump, Liner, Screen, Casing &amp; Sealing Material</b>			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <b>3/23/2015</b>		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Screen removed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Was casing cut off below surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____				Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did material settle after 24 hours?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		If yes, was hole retopped?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) <b>25</b>		Casing Diameter (in.) <b>2</b>		If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) <b>8</b>		Casing Depth (ft.) <b>15</b>		Required Method of Placing Sealing Material			
Was well annular space grouted?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? <b>11</b>		Depth to Water (feet) <b>20.89</b>		<input type="checkbox"/> Screened & Poured (Bentonite Chips)		<input checked="" type="checkbox"/> Other (Explain): <u>Gravity</u>	
				Sealing Materials			
				<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input checked="" type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole			From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	25	40		

**6. Comments**  
Monitoring Well MW-2

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Jon Jensen/METCO</b>		License #	Date of Filling & Sealing (mm/dd/yyyy) <b>2/20/2017</b>	Date Received	Noted By
Street or Route <b>709 Gillette St, Ste. 3</b>			Telephone Number <b>(608) 781-8879</b>	Comments	
City <b>La Crosse</b>		State <b>WI</b>	ZIP Code <b>54603-</b>	Signature of Person Doing Work 	Date Signed <b>2/20/2017</b>



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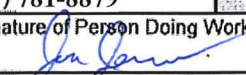
Route to:  
 Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <b>ADAMS</b>		WI Unique Well # of Removed Well ____ VO496		Facility Name <b>Shari Sales &amp; Service</b>		Facility ID (FID or PWS)	
Latitude / Longitude (Degrees and Minutes) <b>43 ° 59.18 ' N</b>		Method Code (see instructions)		License/Permit/Monitoring #		Original Well Owner <b>Nicholas Buck</b>	
<b>89 ° 48.73 ' W</b>		Section <b>32</b>		Township <b>18 N</b>		Range <b>6</b> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>1866 State Hwy 13</b>				Present Well Owner <b>Nicholas Buck</b>			
Well City, Village or Town <b>Friendship</b>				Mailing Address of Present Owner <b>2146 West 10th Drive</b>			
Subdivision Name				City of Present Owner <b>Adams</b>		State <b>WI</b>	ZIP Code <b>53910-</b>

Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <b>3/23/2015</b>		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Borehole / Drillhole				Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Formation Type:				If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) <b>25</b>		Casing Diameter (in.) <b>2</b>		Required Method of Placing Sealing Material			
Lower Drillhole Diameter (in.) <b>8</b>		Casing Depth (ft.) <b>15</b>		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>Gravity</u>			
If yes, to what depth (feet)? <b>11</b>		Depth to Water (feet) <b>20.89</b>		Sealing Materials			
5. Material Used To Fill Well / Drillhole				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
From (ft.)		To (ft.)		Lbs.			
Bentonite Chips		Surface		25		40	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
				<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	25	40

6. Comments  
Monitoring Well MW-3

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Jon Jensen/METCO</b>		License #	Date of Filling & Sealing (mm/dd/yyyy) <b>2/20/2017</b>	Date Received	Noted By
Street or Route <b>709 Gillette St, Ste. 3</b>			Telephone Number <b>(608) 781-8879</b>	Comments	
City <b>La Crosse</b>		State <b>WI</b>	ZIP Code <b>54603-</b>	Signature of Person Doing Work 	
				Date Signed <b>2/20/2017</b>	



February 3, 2017

Nicholas Buck  
2146 West 10<sup>th</sup> Drive  
Adams WI 53910

Subject: Remaining Actions Needed  
Shari Sales & SVR FMR, 1866 STH 13 Friendship, Wisconsin  
DNR BRRTS Activity # 03-01-561731

Dear Mr. Buck:

On June 2, 2016, the West Central Regional Closure Committee reviewed your request for closure of the case described above. The West Central Regional Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. The following actions are needed to complete our review of your request. Upon completion of these actions, closure approval will be provided.

#### Remaining Actions Needed

##### Monitoring Well or Remedial System Piping Abandonment

The monitoring wells (MW1- MW3) at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment for all wells must be submitted to me on Form 3300-005, found at <http://dnr.wi.gov/topic/groundwater/forms.html>.

##### Documentation

When the required actions have been completed, submit the appropriate documentation within 30 days of the date of this letter, to verify their completion. At that point, your closure request can be approved and your case can be closed.

Submit all changes to the original closure request in one final, complete compact disk. For the paper copy, only revisions or updates need to be submitted. The submittal of both an electronic and paper copy are required in accordance with s. NR 726.09 (1), Wis. Adm. Code.

##### GIS Registry

Your site will be listed on the DNR Remediation and Redevelopment Program's GIS Registry, to provide public notice of remaining contamination and continuing obligations. The continuing obligations will be specified in the final closure approval. Information that was submitted with your closure request application will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web), at <http://dnr.wi.gov/topic/Brownfields/rasm.html>.

##### In Conclusion

We appreciate your efforts to restore the environment at this site. This remedial action project is nearing completion. I look forward to working with you to complete all remaining actions that are

necessary to achieve closure.

If you have any questions regarding this letter, please contact me at 715-421-7862, or by email at [Dee.Lance@wisconsin.gov](mailto:Dee.Lance@wisconsin.gov).

Sincerely,

A handwritten signature in cursive script that reads "Dee Lance".

Dee Lance  
Hydrogeologist  
Remediation & Redevelopment Program

cc: Jason Powell, METCO

**SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN**

**Notice:** Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.). Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided.

**Site Information**

BRRTS No. 03-01-561731	VPLE No.		
Parcel ID No. 024010700000			
FID No.	WTM Coordinates		
	X 535060	Y 390389	
BRRTS Activity (Site) Name Shari Sales & Service (Former)	WTM Coordinates Represent: <input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address 1866 State Highway 13 Acres Ready For Use	City Friendship	State WI	ZIP Code 53934
16.5			

Responsible Party (RP) Name Nicholas Buck
Company Name

Mailing Address 2146 West 10th Drive	City Adams	State WI	ZIP Code 53910
Phone Number (608) 547-5227	Email nickbuck35@yahoo.com		

Check here if the RP is the owner of the source property.

Environmental Consultant Name Ron Anderson
Consulting Firm METCO

Mailing Address 709 Gillette Street, Suite 3	City La Crosse	State WI	ZIP Code 54603
Phone Number (608) 781-8879	Email rona@metcohq.com		

**Fees and Mailing of Closure Request**

- Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR Regional EPA (Environmental Program Associate) at <http://dnr.wi.gov/topic/Brownfields/Contact.html>. Check all fees that apply:

<input checked="" type="checkbox"/> \$1,050 Closure Fee	<input checked="" type="checkbox"/> \$300 Database Fee for Soil
<input checked="" type="checkbox"/> \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)	Total Amount of Payment \$ <u>\$1,700.00</u>
	<input type="checkbox"/> Resubmittal, Fees Previously Paid
- Send one paper copy and one e-copy on compact disk of the entire closure package** to the Regional Project Manager assigned to your site. Submit as *unbound, separate documents* in the order and with the titles prescribed by this form. For electronic document submittal requirements, see <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

**Site Summary**

*If any portion of the Site Summary Section is not relevant to the case closure request, you must fully explain the reasons why in the relevant section of the form. All information submitted shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected.*

**1. General Site Information and Site History**

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.  
The Shari Sales & Service (Former) site, 1866 State Hwy 13, is located at the NE 1/4, SW 1/4, Section 32, Township 18 North, Range 6 East, in the Town of Preston, Adams County, WI. The subject property is bound by an auto repair facility to the north, State Hwy 13 to the west, and residential properties to the south and east.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.  
A gas station operated on the subject property from the 1950s through the 1980s. Former UST systems that existed on the subject property include a 7,500-gallon unleaded gasoline UST, a 10,000-gallon leaded gasoline UST, and a 1,500-gallon fuel oil UST. The two gasoline USTs were removed in 1987 and the fuel oil UST was removed in 1994. Currently the subject property is being used as a recycling facility for electronic equipment.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).  
According to the Adams County, WI zoning map, the Shari Sales & Service property located at 1866 State Hwy 13 is zoned "B-1: Rural Business". The neighboring property to the north is also zoned "B-1: Rural Business", and the neighboring properties to the south and east are zoned "R-1: Single Family Residential". Properties to the west (across State Hwy 13) are also zoned "R-1: Single Family Residential", other than the property located at 1867 State Hwy 13 which is zoned "B-1: Rural Business".
- D. Describe how and when site contamination was discovered.  
On February 26, 2014, METCO conducted a Phase 2 Environmental Site Assessment (P2ESA) at the Shari Sales & Service property. During the P2ESA, one soil boring was completed in the area of the former dispenser island. One soil sample was collected at 12 feet below ground surface for GRO, PVOC, and Naphthalene analysis and one groundwater sample was collected at 20-24 feet bgs for PVOC and Naphthalene analysis. Petroleum contamination exceeding the WDNR standards was detected in both the soil and groundwater samples. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be completed.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.  
Petroleum contamination appears to have originated from the removed gasoline USTs and dispenser island.
- F. Other relevant site description information (or enter Not Applicable).  
Not applicable.
- G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.  
No other BRRTS activities exist at the subject property.
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.  
No other BRRTS activities exist immediately adjacent to this site.

**2. General Site Conditions**

- A. Soil/Geology
- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.  
Local unconsolidated materials generally consist of very fine to fine grained sand from surface to at least 25 feet below ground surface (bgs).
  - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.  
Fill material was not encountered during the investigation.
  - iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.  
Bedrock was not encountered during the site investigation, but sandstone bedrock is expected to exist at approximately 50-100 feet below ground surface, based on local well construction reports.
  - iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).  
With the exception of the on-site building and a shed which exists along the north property boundary, the majority of the property is covered in grass and trees, other than the southwest and west part of the property near the on-site building. This area consists of two asphalt driveways extending from State Hwy 13 to the west and southwest part of the property, an asphalt parking lot south of the on-site building extending to the southern property boundary, two concrete areas



along the west and east sides of the on-site building, and a small area of gravel on the southwest part of the property.

**B. Groundwater**

- i. Discuss depth to groundwater and piezometric elevations. Describe and explain depth variations, including high and low water table elevation and whether free product affects measurement of water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Groundwater exists at approximately 19.73 to 21.95 feet below ground surface depending on well location and time of year. Free product has never been encountered at the site. The stratigraphic unit where the water table is found consists of very fine to fine grained sand.

- ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

Groundwater elevations measured in the monitoring wells indicated a local groundwater flow direction to be predominately towards the west. However, the September 23, 2015 sampling event showed a groundwater flow direction to be toward the east. Groundwater flow deeper in the aquifer is unknown, as no piezometers were installed during the investigation.

- iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

On September 23, 2015, METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-3. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

**Monitoring Well MW-1**

Hydraulic Conductivity (K) = 2.13E-03 cm/sec  
Transmissivity = 2.83E-01 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 5.33749 m/yr

**Monitoring Well MW-2**

Hydraulic Conductivity (K) = 1.79E-03 cm/sec  
Transmissivity = 2.46E-01 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 4.48995 m/yr

**Monitoring Well MW-3**

Hydraulic Conductivity (K) = 2.00E-03 cm/sec  
Transmissivity = 3.37E-01 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 5.00917 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2, and MW-3 were assumed as the lower extent of the aquifer for calculation purposes.

- iv. Identify and describe locations/distance of potable and/or municipal wells within 1200 feet of the site. Include general summary of well construction (geology, depth of casing, depth of screened or open interval).

The subject property and surrounding properties are all served by private potable wells. The subject property uses a sand point well that is located inside the building. There are no other known potable wells within 200 feet of the groundwater contaminant plume.

**3. Site Investigation Summary**

**A. General**

- i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

On September 29, 2014, Geiss Soil & Samples LLC. of Merrill, WI conducted a Geoprobe project under the supervision and direction of METCO personnel. Fourteen Geoprobe borings were completed with eighty-two soil samples and fourteen groundwater samples collected for field and/or laboratory analysis. A water sample was also collected from the on-site potable well for laboratory analysis. (Site Investigation Report - February 11, 2016)

On March 23, 2015, Geiss Soil & Samples LLC. of Merrill, WI conducted a Drilling project under the supervision and direction of METCO personnel. Four soil borings were completed, three of which were converted to monitoring wells (MW-1 through MW-3). Twenty-five soil samples and one groundwater sample were collected for field and/or laboratory analysis. (Site Investigation Report - February 11, 2016)

On March 30, 2015, METCO personnel collected groundwater samples from the monitoring well network and the on-site potable well for field and laboratory analysis. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and Specific Conductance were collected from the wells. The monitoring well network was also properly surveyed to feet mean sea level (msl) at this time. (Site Investigation Report - February 11, 2016)

On June 25, 2015, METCO personnel collected groundwater samples from the monitoring well network and the on-site potable well for field and laboratory analysis. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and Specific Conductance were collected from the wells. (Site Investigation Report - February 11, 2016)

On September 23, 2015, METCO personnel collected groundwater samples from the monitoring well network and the on-site potable well for field and laboratory analysis. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and Specific Conductance were collected from the wells. METCO also conducted slug tests on all three monitoring wells. (Site Investigation Report - February 11, 2016)

On December 21, 2015, METCO personnel collected groundwater samples from the monitoring well network and the on-site potable well for field and laboratory analysis. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen, and Specific Conductance were collected from the wells. (Site Investigation Report - February 11, 2016)

- ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.  
The extent of soil contamination exceeding the NR720 RCL's and groundwater contamination exceeding the NR140 ES and/or PAL appears to be confined to the subject property.
- iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

No structural impediments interfered with the completion of the site investigation.

#### B. Soil

- i. Describe degree and extent of soil contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways.  
An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the former pump island. This consists of an irregular shaped area, which appears to measure up to 39 feet long, up to 25 feet wide, and up to 21 feet thick. An area of unsaturated soil contamination, which exceeds the NR720 Non-Industrial Direct Contact values, also exist in the area of the removed fuel oil UST. This consists of a circular shaped area, which appears to measure up to 11 feet in diameter, and up to 4 feet thick.  
  
The extent of petroleum contamination in soil exceeding the NR720 Groundwater RCL's does come into contact with a natural gas line. Natural gas lines typically exist within 30 inches of ground surface and backfilled with native soil. Contamination in this area is from a Lead exceedance only, therefore it does not appear to be a potential contaminant migration pathway. The extent of petroleum contamination in soil exceeding the NR720 Non-Industrial Direct Contact RCL's also comes into contact with a septic sewer line. The septic line is estimated to exist at approximately 8-12 feet bgs and is backfilled with native soil. Based on its construction, the septic sewer line does not appear to be a preferential contaminant migration pathway.
- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.  
Soil samples collected within the upper four feet of the soil column exceeding the NR720 RCL's include:  
  
GP-2-1: Lead (55.9 ppm) at 3.5 feet bgs  
GP-16-1: Benzo(a)pyrene (0.0161 ppm) at 3.5 feet bgs
- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.

The method used to establish the soil cleanup standards for this site were the NR720 RCL's. The property is zoned "B-1: Rural Business", therefore non-industrial standards were used for this site.

#### C. Groundwater

- i. Describe degree and extent of groundwater contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.  
A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the former pump island and has migrated toward the northwest. This plume is approximately 59 feet long and 38 feet wide. A dissolved phase contaminant plume exceeding only the NR140 PAL has formed at the watertable in the area of the removed gasoline UST's and has migrated toward the southeast. This plume is approximately 59 feet long and 39 feet wide.

The extent of petroleum contamination in groundwater exceeding the NR140 PAL does come into contact with a natural

gas line. Natural gas lines typically exist within 30 inches of ground surface and backfilled with native soil. Due to its shallow depth, backfill material, and the depth to groundwater (19.73 to 21.95 feet bgs), it does not appear to be a potential contaminant migration pathway..

The subject property and surrounding properties are all served by private potable wells. The subject property uses a sand point well that is located inside the building. There are no other known potable wells within 200 feet of the groundwater contaminant plume. The on-site potable well has been sampled five times and has not shown any detects for either VOC's or PVOOC and Naphthalene. However, the September 2015 sample did show a NR140 PAL exceedance for Lead (4.4 ppb), but this could be due to lead piping. Based on this, it is unlikely that any potable wells are at risk at this time.

No building foundation drain systems are known to exist in this area.

- ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Identify the depth and location of the smear zone.

Free product has never been encountered at this site.

D. Vapor

- i. Describe how the vapor migration pathway was assessed, including locations where vapor, soil gas, or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

There does not appear to be any vapor intrusion risk to any buildings for the following reasons: 1) The only contaminants found near the Shari Sales & Service building were for PAH compounds, which do not readily volatilize. 2) Benzene levels in groundwater are significantly less than 1,000 ppb. 3) Free product has not been encountered at the subject property.

- ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).

No indoor/sub slab vapor samples were collected.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

The nearest surface water is Friendship Lake, which exists approximately 2,000 feet to the southeast of the subject property. Friendship Lake is a man made reservoir formed by a small dam on the Little Roche A Cri Creek. No surface water or sediment samples were collected since it does not appear that the extent of petroleum contamination has migrated to any surface waters.

- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

No surface water or sediment samples were collected.

**4. Remedial Actions Implemented and Residual Levels at Closure**

- A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

No remedial actions were conducted.

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

No immediate or interim actions occurred at this site.

- C. Describe the *active* remedial actions taken at the source property, including: type of remedial system(s) used for each media affected; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

No remedial actions were conducted.

- D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.

No alternatives were considered during the Green and Sustainable Remediation evaluation.

- E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, exists in the area of the former pump island. This consists of an irregular shaped area, which appears to measure up to 39 feet long, up to 25 feet

wide, and up to 21 feet thick. An area of unsaturated soil contamination, which exceeds the NR720 Non-Industrial Direct Contact values, also exist in the area of the removed fuel oil UST. This consists of a circular shaped area, which appears to measure up to 11 feet in diameter, and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the former pump island and has migrated toward the northwest. This plume is approximately 59 feet long and 38 feet wide. A dissolved phase contaminant plume exceeding only the NR140 PAL has formed at the watertable in the area of the removed gasoline UST's and has migrated toward the southeast. This plume is approximately 59 feet long and 39 feet wide.

The extent of soil contamination exceeding the NR720 RCL's and groundwater contamination exceeding the NR140 ES and/or PAL appears to be confined to the subject property.

- F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.

Residual soil contamination remaining within the upper four feet of the soil column exceeding the NR720 Non-Industrial Direct Contact RCL's include:

GP-16-1: Benzo(a)pyrene (0.0161 ppm) at 3.5 feet bgs

- G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.

Soil samples above the observed low water table which currently exceed NR720 RCLs include:

GP-1-S: Benzene (20.3 ppm), Toluene (5.2 ppm), Trimethylbenzenes (45.8 ppm), and Xylene (11.58 ppm) at 12 feet bgs

MW-1-6: Benzene (12.3 ppm), Ethylbenzene (12.8 ppm), Naphthalene (5.4 ppm), Toluene (5.2 ppm), 1,2,4-

Trimethylbenzene (307 ppm), 1,3,5-Trimethylbenzene (113), and Xylene (68.3 ppm) at 21 feet bgs

GP-2-1: Lead (55.9 ppm) at 3.5 feet bgs

GP-16-1: Benzo(a)pyrene (0.0161 ppm) at 3.5 feet bgs

- H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

Any remaining exposure pathways will be addressed via a Cap Maintenance Plan and natural attenuation.

- I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume). Groundwater contaminant levels appear to be at least stable to decreasing. Based on this, natural attention appears to be an effective method in reducing contaminant mass and concentration.

- J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).

Any remaining exposure pathways will be addressed via a Cap Maintenance Plan and natural attenuation.

- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain. No system hardware is anticipated to be left in place after site closure.

- L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

Monitoring wells MW-1 (Benzene, Ethylbenzene, Naphthalene, Trimethylbenzenes, and Xylene) and MW-3 (Benzene) currently exceed the NR140 ES and/or PAL.

- M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

No indoor/sub slab vapor samples were collected.

- N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

No surface water or sediment samples were collected.

**5. Continuing Obligations: Situations where sites, including all affected properties and rights-of-way (ROWs), are included on the DNR's GIS Registry. In certain situations, maintenance plans are also required, and must be included in Attachment D.**

Directions: For each of the 3 property types below, check all situations that apply to this closure request.

(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

This situation applies to the following property or Right of Way (ROW):			Case Closure Situation - Continuing Obligation Inclusion on the GIS Registry is Required (ii. - xiv.)	Maintenance Plan Required	
Property Type:					
Source Property	Affected Property (Off-Source)	ROW			
i.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	None of the following situations apply to this case closure request.	NA
ii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Not Abandoned (filled and sealed)	NA
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Continued Monitoring (requested or required)	Yes
v.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site-specific situation: (e. g., fencing, methane monitoring, other) <i>(discuss with project manager before submitting the closure request)</i>	Site specific

**6. Underground Storage Tanks**

- A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action?  Yes  No
- B. Do any upgraded tanks meeting the requirements of ch. ATCP 93, Wis. Adm. Code, exist on the property?  Yes  No
- C. If the answer to question 6.B. is yes, is the leak detection system currently being monitored?  Yes  No



**General Instructions**

All information shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected. For each attachment (A-G), provide a Table of Contents page, listing all 'applicable' and 'not applicable' items by Closure Form titles (e.g., A.1. Groundwater Analytical Table, A.2. Soil Analytical Results Table, etc.). If any item is 'not applicable' to the case closure request, you must fully explain the reasons why.

**Data Tables (Attachment A)****Directions for Data Tables:**

- Use **bold** and italics font for information of importance on tables and figures. Use **bold** font for ch. NR 140, Wis. Adm. Code ES attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, PAL attainments or exceedances.
- Use **bold** font to identify individual ch. NR 720 Wis. Adm. Code RCL exceedances. Tables should also include the corresponding groundwater pathway and direct contact pathway RCLs for comparison purposes. Cumulative hazard index and cumulative cancer risk exceedances should also be tabulated and identified on Tables A.2 and A.3.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e., do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (3)(c), Wis. Adm. Code, in the format required in s. NR 716.15(4)(e), Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Soil Analytical Results Table, etc.).
- For required documents, each table (e.g., A.1., A.2., etc.) should be a separate Portable Document Format (PDF).

**A. Data Tables**

- A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates for all groundwater sampling points (e.g., monitoring wells, temporary wells, sumps, extraction wells, potable wells) for which samples have been collected.
- A.2. **Soil Analytical Results Table(s):** Table(s) showing **all** soil analytical results and collection dates. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated).
- A.3. **Residual Soil Contamination Table(s):** Table(s) showing the analytical results of only the residual soil contamination at the time of closure. This table shall be a subset of table A.2 and should include only the soil sample locations that exceed an RCL. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated). Table A.3 is optional only if a total of fewer than 15 soil samples have been collected at the site.
- A.4. **Vapor Analytical Table(s):** Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.
- A.5. **Other Media of Concern (e.g., sediment or surface water):** Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, and time period for sample collection.
- A.6. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.
- A.7. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

**Maps, Figures and Photos (Attachment B)****Directions for Maps, Figures and Photos:**

- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11 x 17 inches, in a PDF readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(4), 726.09(2) and 726.11(3), (5) and (6), Wis. Adm. Code.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc.).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.
- Maps, figures and photos should be dated to reflect the most recent revision.

**B.1. Location Maps**

- B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.
- B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for all affected properties, 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 attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.
- B.1.c. **RR Sites Map:** From RR Sites Map ([http://dnrmaps.wi.gov/sll/?Viewer=RR Sites](http://dnrmaps.wi.gov/sll/?Viewer=RR%20Sites)) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

**B.2. Soil Figures**

- B.2.a. **Soil Contamination:** Figure(s) showing the location of **all** identified unsaturated soil contamination. Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720.Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedances (0-4 foot depth).
- B.2.b. **Residual Soil Contamination:** Figure(s) showing only the locations of soil samples where unsaturated soil contamination remains at the time of closure (locations represented in Table A.3). Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720 Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedance (0-4 foot depth).

**B.3. Groundwater Figures**

- B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:
- Source location(s) and vertical extent of residual soil contamination exceeding an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
  - Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 ES.
  - Surface features, including buildings and basements, and show surface elevation changes.
  - Any areas of active remediation within the cross section path, such as excavations or treatment zones.
  - Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1.b.)
- B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, PAL and/or an ES. Indicate the date and direction of groundwater flow based on the most recent sampling data.
- B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.
- B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been abandoned.

**B.4. Vapor Maps and Other Media**

- B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway in relation to residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.
- B.4.b. **Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.
- B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank).

- B.5. **Structural Impediment Photos:** One or more photographs documenting the structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request. The photographs should document the area that could not be investigated or remediated due to a structural impediment. The structural impediment should be indicated on Figures B.2.a and B.2.b.

**Documentation of Remedial Action (Attachment C)****Directions for Documentation of Remedial Action:**

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc.).
- If the documentation requested below has already been submitted to the DNR, please note the title and date of the report for that particular document requested.
  - C.1. **Site investigation documentation**, that has not otherwise been submitted with the Site Investigation Report.
  - C.2. **Investigative waste** disposal documentation.
  - C.3. Provide a **description of the methodology** used along with all supporting documentation if the RCLs are different than those contained in the Department's RCL Spreadsheet available at: <http://dnr.wi.gov/topic/Brownfields/Professionals.html>.
  - C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.
  - C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment.
  - C.6. **Other.** Include any other relevant documentation not otherwise noted above (This section may remain blank).

**Maintenance Plan(s) and Photographs (Attachment D)****Directions for Maintenance Plans and Photographs:**

Attach a maintenance plan for each affected property (source property, each off-source affected property) with continuing obligations requiring future maintenance (e.g., direct contact, groundwater protection, vapor intrusion). See Site Summary section 5 for all affected property(s) requiring a maintenance plan. Maintenance plan guidance and/or templates for: 1) Cover/barrier systems; 2) Vapor intrusion; and 3) Monitoring wells, can be found at: <http://dnr.wi.gov/topic/Brownfields/Professionals.html#tabx3>

**D.1. Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:**

- Provide brief descriptions of the type, depth and location of residual contamination.

- Provide a description of the system/cover/barrier/monitoring well(s) to be maintained.
  - Provide a description of the maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
  - Provide contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.
- D.2. **Location map(s) which show(s):** (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) all property boundaries.
- D.3. **Photographs** for site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.
- D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter. The inspection and maintenance log is found at: <http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf>.

### Monitoring Well Information (Attachment E)

#### Directions for Monitoring Well Information:

For all wells that will remain in use, be transferred to another party, or that could not be located; attach monitoring well construction and development forms (DNR Form 4400-113 A and B: [http://dnr.wi.gov/topic/groundwater/documents/forms/4400\\_113\\_1\\_2.pdf](http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf))

#### Select One:

- No monitoring wells were installed as part of this response action.
- All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
- Select One or More:**
- Not all monitoring wells can be located, despite good faith efforts. Attachment E must include a description of efforts made to locate the wells.
- One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason (s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.
- One or more monitoring wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s). Provide documentation from the party accepting future responsibility for monitoring well(s).

### Source Legal Documents (Attachment F)

#### Directions for Source Legal Documents:

Label documents with the specific closure form titles (e.g., F.1. Deed, F.2. Certified Survey Map, etc.). Include all of the following documents, in the order listed:

- F.1. **Deed:** The most recent deed with legal description clearly listed.
- 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.*
- F.2. **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. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- F.3. **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

**Notifications to Owners of Affected Properties (Attachment G)**

**Directions for Notifications to Owners of Affected Properties:**

Complete the table on the following page for sites which require notification to owners of affected properties pursuant to ch. 292, Wis. Stats. and ch. NR 725 and 726, Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31- 19.39, Wis. Stats.]. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) lists specific notification requirements <http://dnr.wi.gov/files/PDF/pubs/rr/RR606.pdf>.

State law requires that the responsible party provide a 30-day, written advance notification to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned. Use form 4400-286, Notification of Continuing Obligations and Residual Contamination, at <http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf>

Include a copy of each notification sent and accompanying proof of delivery, i.e., return receipt or signature confirmation. (These items will not be placed on the GIS Registry.)

Include the following documents for each property, keeping each property's documents grouped together and labeled with the letter G and the corresponding ID number from the table on the following page. (Source Property documents should only be included in Attachment F):

- **Deed:** The most recent deed with legal descriptions clearly listed for all affected properties.  
*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. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes the attached legal description(s) accurately describe(s) the correct contaminated property or properties.





**Signatures and Findings for Closure Determination**

Check the correct box for this case closure request, and have either a professional engineer or a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code, sign this document.

- A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies).
- The response action(s) for this site addresses media other than groundwater.

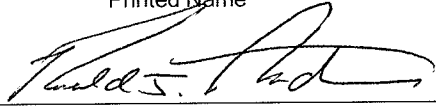
**Engineering Certification**

I \_\_\_\_\_ hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared by me or prepared under my supervision in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Printed Name	Title	
Signature	Date	P.E. Stamp and Number

**Hydrogeologist Certification**

I Ronald J. Anderson hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared by me or prepared by me or prepared under my supervision and, in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Ronald J. Anderson Printed Name	Senior Hydrogeologist/Project Manager Title
 Signature	3/25/16 Date

**Wisconsin Department of Natural Resources**  
Case Closure – GIS Registry  
NR 4400-202

**For: Shari Sales & Service (Former)**  
**BRRTS # 03-01-561731**  
**PECFA # 53934-9999-66-A**

**March 25, 2016**



*Excellence through experience™*

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**Attachment A/Data Tables**

**Attachment B/Maps and Figures**

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## **Attachment A/Data Tables**

**A.1 Groundwater Analytical Table(s)**

**A.2 Soil Analytical Results Table(s)**

**A.3 Residual Soil Contamination Table(s)**

A.4 Vapor Analytical Table – No vapor samples were assessed as part of the site investigation.

A.5 Other Media of Concern (e.g., sediment or surface water) – No surface waters or sediments were assessed as part of the site investigation.

**A.6 Water Level Elevations**

**A.7 Other – Natural Attenuation data and Hydraulic Conductivity Calculations**

A.1 Groundwater Analytical Table  
 (Geoprobe)  
 Shari Sales & Service BRRTS# 03-01-561731

Sample ID	Date	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
G-1-W	02/26/14	<b>50</b>	2.8	45	3.3	15	<b>2980</b>	15.8
G-2-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-3-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-4-W	09/29/14	<0.24	<0.55	5.1	<1.7	<0.69	<3.6	<1.32
G-5-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-6-W	09/29/14	<0.24	<0.55	11.6	<1.7	<0.69	<3.6	<1.32
G-7-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
GP-8-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	22	<1.32
G-9-W	09/29/14	<0.24	<b>910</b>	<0.23	<b>127</b>	1.9	<b>1338</b>	<b>5340</b>
G-10-W	09/29/14	<0.24	134	<0.23	33	1.32	338	584
G-11-W	09/29/14	<1.2	<2.75	<1.15	<8.5	<3.45	<b>1179</b>	8.8-11.95
G-12-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-13-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-14-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-15-W	09/29/14	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
G-16-W	03/23/15	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>		<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<i>PREVENTIVE ACTION LIMIT PAL = Italics</i>		<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics



A.1 Groundwater Analytical Table  
 Shari Sales & Service BRRS# 03-01-561731

Well MW-1

PVC Elevation = 956.3 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
03/30/15	935.58	20.72	15.3	<22	1270	<55	500	<22	4370	7240
06/25/15	935.66	20.64	5.2	<23	450	<24.5	<130	<19.5	1990	2580
09/23/15	934.87	21.43	5.4	<4.4	390	<11	99	<4.4	2380	2691
12/21/15	934.78	21.52	12.9	9.3	950	<4.9	185	5.6	3470	5370
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

PVC Elevation = 956.14 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
03/30/15	935.59	20.55	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
06/25/15	935.65	20.49	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/23/15	934.93	21.21	0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
12/21/15	934.79	21.35	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

PVC Elevation = 955.25 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
03/30/15	935.69	19.56	1.0	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
06/25/15	935.78	19.47	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/23/15	933.90	21.35	0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
12/21/15	934.90	20.35	<0.7	2.7	1.16	<0.49	<2.6	2.2	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well 1866 PW

PVC Elevation = (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/29/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
03/30/15	NM	NM	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
06/25/15	NM	NM	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/23/15	NM	NM	4.4	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
12/21/15	NM	NM	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
<b>ENFORCE MENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table  
 Shari Sales & Service BRRTS# 03-01-561731

Well Sampling Conducted on September 29, 2014

VOC's

Well Name	POTABLE WELL	ENFORCE MENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>
Benzene/ppb	< 0.24	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	< 0.33	==	==
Bromodichloromethane/ppb	< 0.27	==	==
Bromoform/ppb	< 0.34	==	==
Bromomethane/ppb	< 0.98	==	==
Carbon Tetrachloride/ppb	< 0.25	==	==
Chlorobenzene/ppb	< 0.24	==	==
Chloroethane/ppb	< 0.62	==	==
Chloroform/ppb	< 0.28	==	==
Chloromethane/ppb	< 0.81	==	==
2-Chlorotoluene/ppb	< 0.35	==	==
4-Chlorotoluene/ppb	< 0.29	==	==
Dibromochloromethane/ppb	< 0.2	==	==
Dibromomethane/ppb	< 0.41	==	==
1,4-Dichlorobenzene/ppb	< 0.25	==	==
1,3-Dichlorobenzene/ppb	< 0.3	==	==
1,2-Dichlorobenzene/ppb	< 0.28	==	==
Dichlorodifluoromethane/ppb	< 0.27	==	==
1,2-Dichloroethane/ppb	< 0.41	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.3	==	==
1,1-Dichloroethene/ppb	< 0.31	==	==
cis-1,2-Dichloroethene/ppb	< 0.32	==	==
trans-1,2-Dichloroethene/ppb	< 0.25	==	==
1,2-Dichloropropane/ppb	< 0.32	==	==
2,2-Dichloropropane/ppb	< 0.45	==	==
1,3-Dichloropropane/ppb	< 0.26	==	==
trans-1,3-Dichloropropene/ppb	< 0.22	==	==
cis-1,3-Dichloropropene/ppb	< 0.2	==	==
1,1-Dichloropropene/ppb	< 0.34	==	==
Ethylbenzene/ppb	< 0.27	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	< 0.48	==	==
Isopropylbenzene/ppb	< 0.3	==	==
p-Isopropyltoluene/ppb	< 0.3	==	==
Methylene chloride/ppb	< 0.35	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 0.26	<b>60</b>	<i>12</i>
Naphthalene/ppb	< 0.49	<b>100</b>	<i>10</i>
Styrene/ppb	< 0.23	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.45	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.29	==	==
Tetrachloroethene(PCE)/ppb	< 0.27	<b>5</b>	<i>0.5</i>
Toluene/ppb	< 0.24	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.24	==	==
1,1,1-Trichloroethane/ppb	< 0.33	==	==
1,1,2-Trichloroethane/ppb	< 0.34	==	==
Trichloroethene (TCE)/ppb	< 0.3	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.26	==	==
1,2,3-Trichloropropane/ppb	< 0.91	==	==
Trichlorotrifluoroethane/ppb	< 0.41	==	==
1,2,4-Trimethylbenzene/ppb	< 0.31	<b>Total TMB's 480</b>	<i>Total TMB's 96</i>
1,3,5-Trimethylbenzene/ppb	< 0.26		
Vinyl Chloride/ppb	< 0.18	==	==
m&p-Xylene/ppb	< 0.69		
o-Xylene/ppb	< 0.25	<b>Total Xylenes 2000</b>	<i>Total Xylenes 400</i>

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance. NS = not sampled, NM = Not Measured

Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.

== No Exceedences

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.1 Groundwater Analytical Table  
 Shari Sales & Service BRRTS# 03-01-561731

Well Sampling Conducted on: 03/30/15 03/30/15 03/30/15 03/30/15

VOC's	MW-1	MW-2	MW-3	1866 PW
Well Name				
Lead, dissolved/ppb	15.3	< 0.7	1.0 "J"	< 0.7
Benzene/ppb	< 22	< 0.44	< 0.44	< 0.44
Bromobenzene/ppb	< 24	< 0.48	< 0.48	< 0.48
Bromodichloromethane/ppb	< 23	< 0.46	< 0.46	< 0.46
Bromoform/ppb	< 23	< 0.46	< 0.46	< 0.46
tert-Butylbenzene/ppb	< 55	< 1.1	< 1.1	< 1.1
sec-Butylbenzene/ppb	< 60	< 1.2	< 1.2	< 1.2
n-Butylbenzene/ppb	67 "J"	< 1	< 1	< 1
Carbon Tetrachloride/ppb	< 32.5	< 0.65	< 0.65	< 0.65
Chlorobenzene/ppb	< 23	< 0.46	< 0.46	< 0.46
Chloroethane/ppb	< 32.5	< 0.65	< 0.65	< 0.65
Chloroform/ppb	< 21.5	< 0.43	< 0.43	< 0.43
Chloromethane/ppb	< 95	< 1.9	< 1.9	< 1.9
2-Chlorotoluene/ppb	< 20	< 0.4	< 0.4	< 0.4
4-Chlorotoluene/ppb	< 31.5	< 0.63	< 0.63	< 0.63
1,2-Dibromo-3-chloropropane/ppb	< 70	< 1.4	< 1.4	< 1.4
Dibromochloromethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45
1,4-Dichlorobenzene/ppb	< 24.5	< 0.49	< 0.49	< 0.49
1,3-Dichlorobenzene/ppb	< 26	< 0.52	< 0.52	< 0.52
1,2-Dichlorobenzene/ppb	< 23	< 0.46	< 0.46	< 0.46
Dichlorodifluoromethane/ppb	< 43.5	< 0.87	< 0.87	< 0.87
1,2-Dichloroethane/ppb	< 27	< 0.54	< 0.54	< 0.54
1,1-Dichloroethane/ppb	< 55	< 1.1	< 1.1	< 1.1
1,1-Dichloroethene/ppb	< 32.5	< 0.65	< 0.65	< 0.65
cis-1,2-Dichloroethene/ppb	< 22.5	< 0.45	< 0.45	< 0.45
trans-1,2-Dichloroethene/ppb	< 27	< 0.54	< 0.54	< 0.54
1,2-Dichloropropane/ppb	< 21.5	< 0.43	< 0.43	< 0.43
2,2-Dichloropropane/ppb	< 155	< 3.1	< 3.1	< 3.1
1,3-Dichloropropane/ppb	< 21	< 0.42	< 0.42	< 0.42
Di-isopropyl ether/ppb	< 22	< 0.44	< 0.44	< 0.44
EDB (1,2-Dibromoethane)/ppb	< 31.5	< 0.63	< 0.63	< 0.63
Ethylbenzene/ppb	1270	< 0.71	< 0.71	< 0.71
Hexachlorobutadiene/ppb	< 110	< 2.2	< 2.2	< 2.2
Isopropylbenzene/ppb	223	< 0.82	< 0.82	< 0.82
p-Isopropyltoluene/ppb	< 55	< 1.1	< 1.1	< 1.1
Methylene chloride/ppb	< 65	< 1.3	< 1.3	< 1.3
Methyl tert-butyl ether (MTBE)/ppb	< 55	< 1.1	< 1.1	< 1.1
Naphthalene/ppb	500	< 1.6	< 1.6	< 1.6
n-Propylbenzene/ppb	580	< 0.77	< 0.77	< 0.77
1,1,2,2-Tetrachloroethane/ppb	< 26	< 0.52	< 0.52	< 0.52
1,1,1,2-Tetrachloroethane/ppb	< 24	< 0.48	< 0.48	< 0.48
Tetrachloroethene (PCE)/ppb	< 37	< 0.74	< 0.74	< 0.74
Toluene/ppb	< 22	< 0.44	< 0.44	< 0.44
1,2,4-Trichlorobenzene/ppb	< 85	< 1.7	< 1.7	< 1.7
1,2,3-Trichlorobenzene/ppb	< 135	< 2.7	< 2.7	< 2.7
1,1,1-Trichloroethane/ppb	< 42	< 0.84	< 0.84	< 0.84
1,1,2-Trichloroethane/ppb	< 24	< 0.48	< 0.48	< 0.48
Trichloroethene (TCE)/ppb	< 23.5	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane/ppb	< 43.5	< 0.87	< 0.87	< 0.87
1,2,4-Trimethylbenzene/ppb	3400	< 1.6	< 1.6	< 1.6
1,3,5-Trimethylbenzene/ppb	970	< 1.5	< 1.5	< 1.5
Vinyl Chloride/ppb	< 8.5	< 0.17	< 0.17	< 0.17
m&p-Xylene/ppb	6100	< 2.2	< 2.2	< 2.2
o-Xylene/ppb	1140	< 0.9	< 0.9	< 0.9

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
15	1.5
5	0.5
==	==
0.6	0.06
4.4	0.44
==	==
==	==
5	0.5
==	==
400	80
6	0.6
30	3
==	==
==	==
0.2	0.02
60	6
75	15
600	120
600	60
1000	200
5	0.5
850	85
7	0.7
70	7
100	20
5	0.5
==	==
==	==
==	==
0.05	0.005
700	140
==	==
==	==
==	==
5	0.5
60	12
100	10
==	==
==	==
0.2	0.02
70	7
5	0.5
800	160
70	14
==	==
200	40
5	0.5
5	0.5
==	==
Total TMB's 480	Total TMB's 96
0.2	0.02
Total Xylenes 2000	Total Xylenes 400

NS = not sampled, NM = Not Measured  
 Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.  
 = = No Exceedences  
 (ppb) = parts per billion  
 (ppm) = parts per million  
 "J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation



A.2. Soil Analytical Results Table  
 (Geoprobe PAH)  
 Shari Sales & Service BRRS# 03-01-561731

Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,l) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naphthalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	DIRECT CONTACT PVOC & PAH COMBINED			
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk	
GP-16-1	3.5	U	03/23/15	<0.0201	<0.0198	<0.0171	<0.0191	<b>0.0161</b>	0.0192	<0.02	<0.0174	<0.0192	<0.0201	<0.0192	<0.0184	<0.0165	<0.0205	<0.0199	<0.0203	<0.0198	<0.0192	1		1.2E-06	
GP-16-6	20.5	U	03/23/15	<0.0201	<0.0198	<0.0171	<0.0191	<0.0143	<0.019	<0.02	<0.0174	<0.0192	<0.0201	<0.0192	<0.0184	<0.0165	<0.0205	<0.0199	<0.0203	<0.0198	<0.0192				
<b>Groundwater RCL</b>				---	---	197	---	0.47	0.48	---	---	0.145	---	88.8	14.8	---	---	---	0.659	---	54.5				
<b>Non-Industrial Direct Contact RCL</b>				<b>3440</b>	---	<b>17200</b>	<b>0.148</b>	<b>0.0148</b>	<b>0.148</b>	---	<b>1.48</b>	<b>14.8</b>	<b>0.0148</b>	---	<b>2290</b>	<b>2290</b>	<b>0.148</b>	<b>15.6</b>	<b>229</b>	<b>5.15</b>	---	<b>1720</b>	0	<b>1.00E+00</b>	<b>1.00E-05</b>
<b>Soil Saturation Concentration (C-sat)*</b>				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Bold** = Groundwater RCL Exceedance  
**Bold & Underline** = Industrial Direct Contact RCL Exceedance  
**Bold & Asteric \*** = C-sat Exceedance  
 NS = Not Sampled  
 (ppm) = parts per million  
 PAH = Polynuclear Aromatic Hydrocarbons  
 PID = Photoionization Detector  
 VOC's = Volatile Organic Compounds

A.2. Pre-Remedial Soil Analytical Table  
Shari Sales & Service BRRTS# 03-01-561731

Sampling Conducted on September 29, 2014

VOC's	Bold = Groundwater RCL	Underline & Bold = Direct Contact RCL	Asteric * & Bold = Soil Saturation (C-sat) RCL
Sample ID#	GP-9-6		
Sample Depth/ft.	20-22		
Solids Percent	86.9		
Lead/ppm	27	400	
Benzene/ppm	0.00512	1.49	1820
Bromobenzene/ppm	=	354	=
Bromodichloromethane/ppm	0.000326	0.39	=
Bromoform/ppm	0.00233	61.6	=
tert-Butylbenzene/ppm	=	183	183
sec-Butylbenzene/ppm	=	145	145
n-Butylbenzene/ppm	=	108	108
Carbon Tetrachloride/ppm	0.00388	0.85	=
Chlorobenzene/ppm	=	392	=
Chloroethane/ppm	0.227	=	=
Chloroform/ppm	0.0033	0.42	=
Chloromethane/ppm	0.0155	171	=
2-Chlorotoluene/ppm	=	=	=
4-Chlorotoluene/ppm	=	=	=
1,2-Dibromo-3-chloropropane/ppm	0.000173	0.01	=
Dibromochloromethane/ppm	0.032	0.93	=
1,4-Dichlorobenzene/ppm	0.144	3.48	=
1,3-Dichlorobenzene/ppm	1.15	297	297
1,2-Dichlorobenzene/ppm	1.17	376	376
Dichlorodifluoromethane/ppm	3.08	135	=
1,2-Dichloroethane/ppm	0.00284	0.61	540
1,1-Dichloroethane/ppm	0.484	4.72	=
1,1-Dichloroethene/ppm	0.00502	342	=
cis-1,2-Dichloroethene/ppm	0.0412	156	=
trans-1,2-Dichloroethene/ppm	0.0588	211	=
1,2-Dichloropropane/ppm	0.00332	1.33	=
2,2-Dichloropropane/ppm	=	527	527
1,3-Dichloropropane/ppm	=	1490	1490
Di-isopropyl ether/ppm	=	2260	2260
EDB (1,2-Dibromoethane)/ppm	0.0000282	0.05	=
Ethylbenzene/ppm	1.57	7.47	480
Hexachlorobutadiene/ppm	=	6.23	=
Isopropylbenzene/ppm	=	=	=
p-Isopropyltoluene/ppm	=	162	162
Methylene chloride/ppm	0.00256	60.7	=
Methyl tert-butyl ether (MTBE)/ppm	0.027	59.4	8870
Naphthalene/ppm	0.659	5.15	=
n-Propylbenzene/ppm	=	=	=
1,1,2,2-Tetrachloroethane/ppm	0.000156	0.75	=
1,1,1,2-Tetrachloroethane/ppm	0.0533	2.59	=
Tetrachloroethene (PCE)/ppm	0.00454	30.7	=
Toluene/ppm	1.11	818	818
1,2,4-Trichlorobenzene/ppm	0.408	22.1	=
1,2,3-Trichlorobenzene/ppm	=	48.9	=
1,1,1-Trichloroethane/ppm	0.14	=	=
1,1,2-Trichloroethane/ppm	0.00324	1.48	=
Trichloroethene (TCE)/ppm	0.00358	0.64	=
Trichlorofluoromethane/ppm	=	1120	=
1,2,4-Trimethylbenzene/ppm	1.38	89.8	219
1,3,5-Trimethylbenzene/ppm	=	182	182
Vinyl Chloride/ppm	0.000138	0.07	=
m&p-Xylene/ppm	3.94	258	=
o-Xylene/ppm	< 0.031		258

NS = not sampled, NM = Not Measured  
(ppm) = parts per million  
DRO = Diesel Range Organics  
GRO = Gasoline Range Organics  
= = No Exceedences

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.3. Residual Soil Contamination Table  
 Smart Sales & Service BRRTS# 03-01-561731

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trimethylbenzene (ppm)	1,3,5-Trimethylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC & PAH COMBINED		
																		Exceedance Count	Hazard Index	Cumulative Cancer Risk
GP-1-S	12.0	U	02/26/14	0	NS	NS	2020	20.3	0.410	0.470	<0.250	0.470	5.2	22.1	23.7	11.58	NS	0	1.40E-01	
GP-2-1	3.5	U	09/29/14	0	55.9	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
MW-1-6	21.0	U	03/23/15	920	NS	NS	2740.0	12.3	12.8	12.8	<0.50	5.4	5.2	307*	113	68.3	<0.45 TCLP LEAD	1		1.2E-06
GP-16-1	3.5	U	03/23/15	0							NOT SAMPLED						NS	1		
<b>Groundwater RCL</b>																				
<b>Non-Industrial Direct Contact RCL</b>																				
<b>Soil Saturation Concentration (C-sat)*</b>																				
<b>Bold &amp; Underline = Non Industrial Direct Contact RCL Exceedance</b>																				
<b>Bold &amp; Asteric * = C-sat Exceedance</b>																				
<b>NS = Not Sampled</b>																				
<b>(ppm) = parts per million</b>																				
<b>DRO = Diesel Range Organics</b>																				
<b>GRO = Gasoline Range Organics</b>																				
<b>PID = Photoionization Detector</b>																				
<b>PVOC's = Petroleum Volatile Organic Compounds</b>																				
<b>NIM = Not Measured</b>																				
<b>27</b>																				
<b>400</b>																				
<b>0.00512</b>																				
<b>1.57</b>																				
<b>1.49</b>																				
<b>1820*</b>																				
<b>1820*</b>																				
<b>480*</b>																				
<b>8870*</b>																				
<b>59.4</b>																				
<b>5.15</b>																				
<b>818</b>																				
<b>818*</b>																				
<b>219*</b>																				
<b>89.8</b>																				
<b>1.38</b>																				
<b>182</b>																				
<b>182*</b>																				
<b>258</b>																				
<b>258*</b>																				
<b>3.94</b>																				





**A.6 Water Level Elevations  
Shari Sales & Service BRRTS# 03-01-561731  
Adams, Wisconsin**

	<b>MW-1</b>	<b>MW-2</b>	<b>MW-3</b>
<b>Ground Surface (feet msl)</b>	956.73	956.50	955.51
<b>PVC top (feet msl)</b>	956.30	956.14	955.25
<b>Well Depth (feet)</b>	25.00	25.00	25.00
<b>Top of screen (feet msl)</b>	941.73	941.50	940.51
<b>Bottom of screen (feet msl)</b>	931.73	931.50	930.51

**Depth to Water From Top of PVC (feet)**

<b>03/30/15</b>	20.72	20.55	19.56
<b>06/25/15</b>	20.64	20.49	19.47
<b>09/23/15</b>	21.43	21.21	21.35
<b>12/21/15</b>	21.52	21.35	20.35

**Depth to Water From Ground Surface (feet)**

<b>03/30/15</b>	21.15	20.91	19.82
<b>06/25/15</b>	21.07	20.85	19.73
<b>09/23/15</b>	21.86	21.57	21.61
<b>12/21/15</b>	21.95	21.71	20.61

**Groundwater Elevation (feet msl)**

<b>03/30/15</b>	935.58	935.59	935.69
<b>06/25/15</b>	935.66	935.65	935.78
<b>09/23/15</b>	934.87	934.93	933.90
<b>12/21/15</b>	934.78	934.79	934.90

CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed

A.7 Other  
 Groundwater NA Indicator Results  
 Shari Sales & Service BRRTS# 03-01-561731

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/30/15	0.23	6.25	-507	9.3	427	1.20	8.18	0.02	789
06/25/15	2.41	7.49	228	12.7	835	NS	NS	NS	NS
09/23/15	3.04	7.27	224	15.9	479	NS	NS	NS	NS
12/21/15	3.47	7.07	101	9.7	812	NS	NS	NS	NS
ENFORCEMENT STANDARD = <b>ES – Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million  
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/30/15	0.46	5.95	-472	9.1	252	2.23	5.55	0.02	228
06/25/15	4.54	7.52	294	14.8	362	NS	NS	NS	NS
09/23/15	7.69	7.59	233	14.7	329	NS	NS	NS	NS
12/21/15	4.98	6.83	246	9.7	869	NS	NS	NS	NS
ENFORCEMENT STANDARD = <b>ES – Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million  
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/30/15	0.45	5.85	-661	8.9	166	0.384	6.55	<0.02	111
06/25/15	4.39	7.52	294	12.8	199	NS	NS	NS	NS
09/23/15	7.50	7.99	188	13.0	153	NS	NS	NS	NS
12/21/15	5.70	6.61	298	9.9	612	NS	NS	NS	NS
ENFORCEMENT STANDARD = <b>ES – Bold</b>						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million  
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other  
 Shari Sales & Service (Former)  
 Slug Test Calculations

**MW-1**

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	6.99E-05	2.13E-03	671.89
	<b>sq ft/s</b>	<b>sq cm/s</b>	
<b>T</b>	3.05E-04	2.83E-01	

**MW-2**

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	5.88E-05	1.79E-03	565.20
	<b>sq ft/s</b>	<b>sq cm/s</b>	
<b>T</b>	2.65E-04	2.46E-01	

**MW-3**

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	6.56E-05	2.00E-03	630.56
	<b>sq ft/s</b>	<b>sq cm/s</b>	
<b>T</b>	3.63E-04	3.37E-01	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (l)
3/30/2015	935.68	935.60	110	0.0007273
6/25/2015	935.76	935.68	83	0.0009639
9/23/2015	934.80	934.00	113	0.0070796
12/21/2015	934.88	934.80	105	0.0007619
<b>Average</b>				0.0023832

	<b>K (m/yr)</b>	<b>l</b>	<b>n</b>	<b>Flow Velocity (m/yr)</b>
<b>MW-1</b>	671.89	0.0023832	0.3	5.33749
<b>MW-2</b>	565.2	0.0023832	0.3	4.48995
<b>MW-3</b>	630.56	0.0023832	0.3	5.00917

## **Attachment B/Maps and Figures**

### **B.1 Location Maps**

#### **B.1.a Location Map**

#### **B.1.b Detailed Site Map**

#### **B.1.c RR Site Map**

### **B.2 Soil Figures**

#### **B.2.a Soil Contamination**

#### **B.2.b Residual Soil Contamination**

### **B.3 Groundwater Figures**

#### **B.3.a Geologic Cross-Section Figure(s)**

#### **B.3.b Groundwater Isoconcentration**

#### **B.3.c Groundwater Flow Direction**

#### **B.3.d Monitoring Well**

### **B.4 Vapor Maps and Other Media**

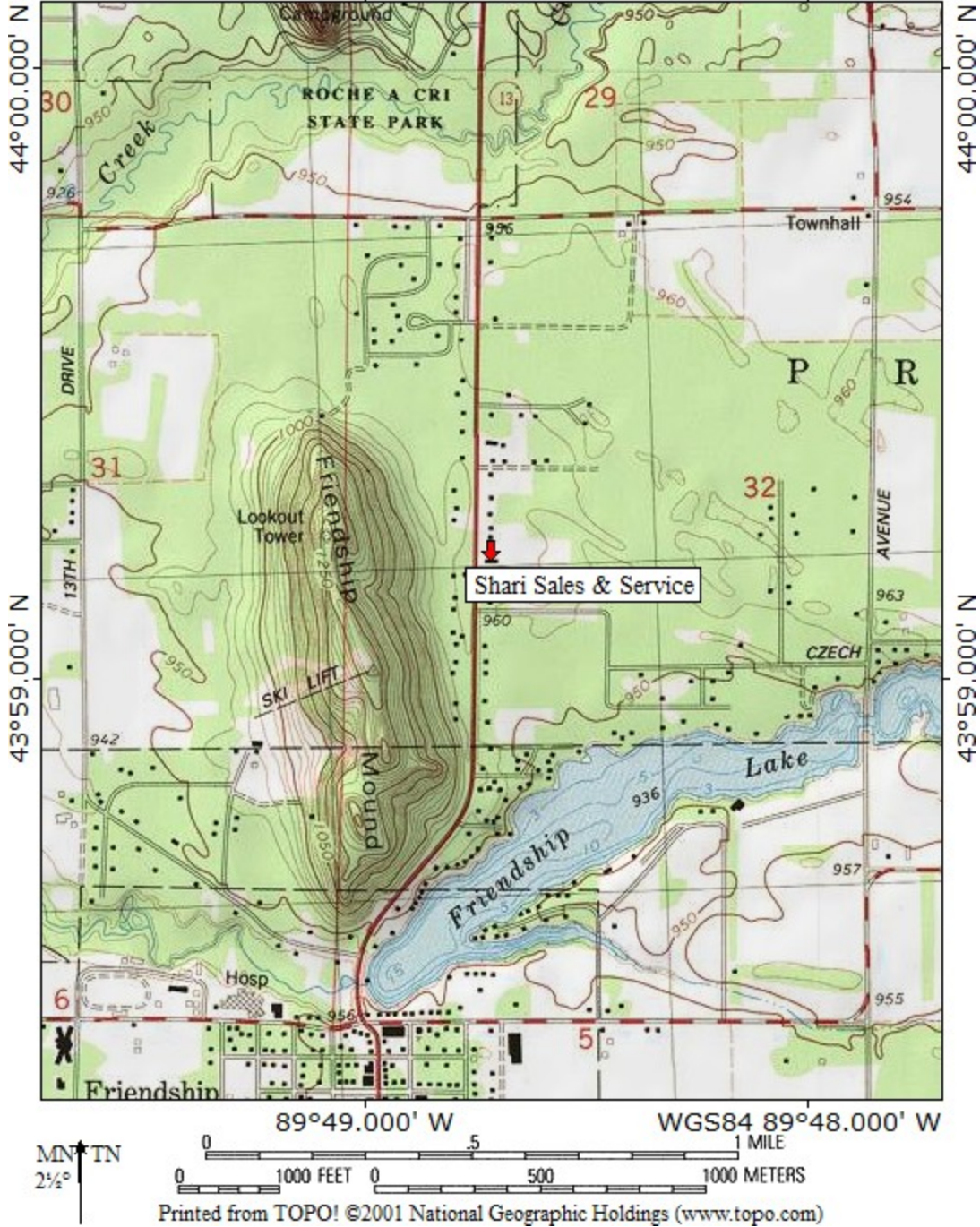
B.4.a Vapor Intrusion Map – No vapor samples were assessed as part of this site investigation.

B.4.b Other media of concern (e.g., sediment or surface water) – No surface waters or sediments were sampled as part of this site investigation.

B.4.c Other – No other relevant maps and/or figures are being included.

B.5 Structural Impediment Photos – No structural impediments interfered with the investigation, therefore no photos are being included.

TOPO! map printed on 07/15/14 from "Wisconsin.tpo" and "Untitled.tpg"  
89°49.000' W WGS84 89°48.000' W



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
SHARI SALES & SERVICE – FRIENDSHIP, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

SEWER SERVICE STATION  
WELL LOCATION UNKNOWN

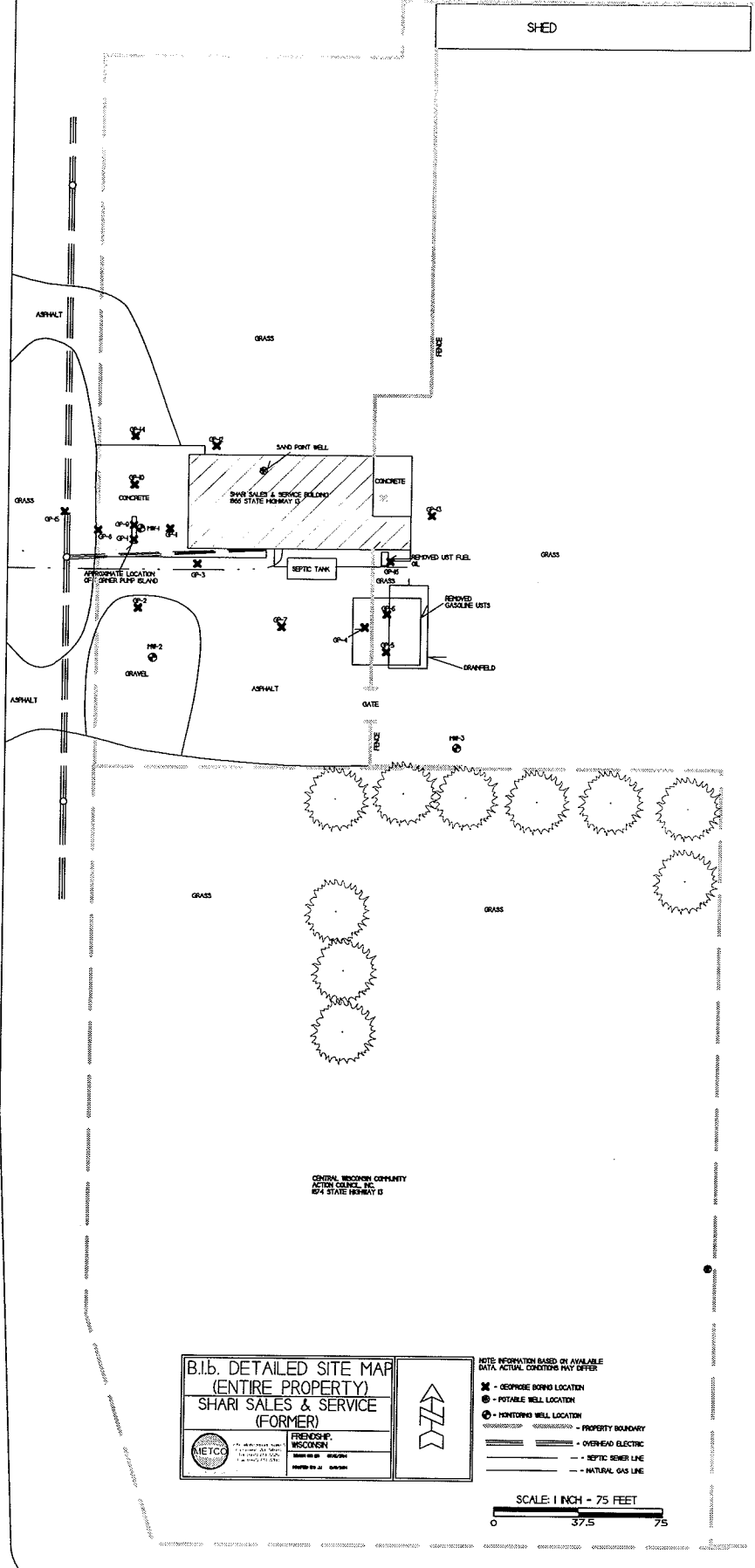
SEWER SERVICE STATION  
WELL LOCATION UNKNOWN

SEWER SERVICE STATION  
WELL LOCATION UNKNOWN

SEWER SERVICE STATION  
WELL LOCATION UNKNOWN

STATE HIGHWAY 13

SHED



GENERAL RESIDENT COMPANY  
ACTION COUNCIL, INC.  
824 STATE HIGHWAY 13

**B.I.B. DETAILED SITE MAP**  
(ENTIRE PROPERTY)  
**SHAR SALES & SERVICE**  
(FORMER)

NIETCO  
FRIENDSHIP, WISCONSIN  
1000 N. WISCONSIN ST.  
MILWAUKEE, WI 53212  
414.224.2244

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.
- ✕ - SEWER BOND LOCATION
  - ⊙ - POTABLE WELL LOCATION
  - ⊙ - PORTABLE WELL LOCATION
  - - PROPERTY BOUNDARY
  - - OVERHEAD ELECTRIC
  - - SEWER SERVICE LINE
  - - NATURAL GAS LINE

SCALE: 1 INCH = 75 FEET  
0 37.5 75

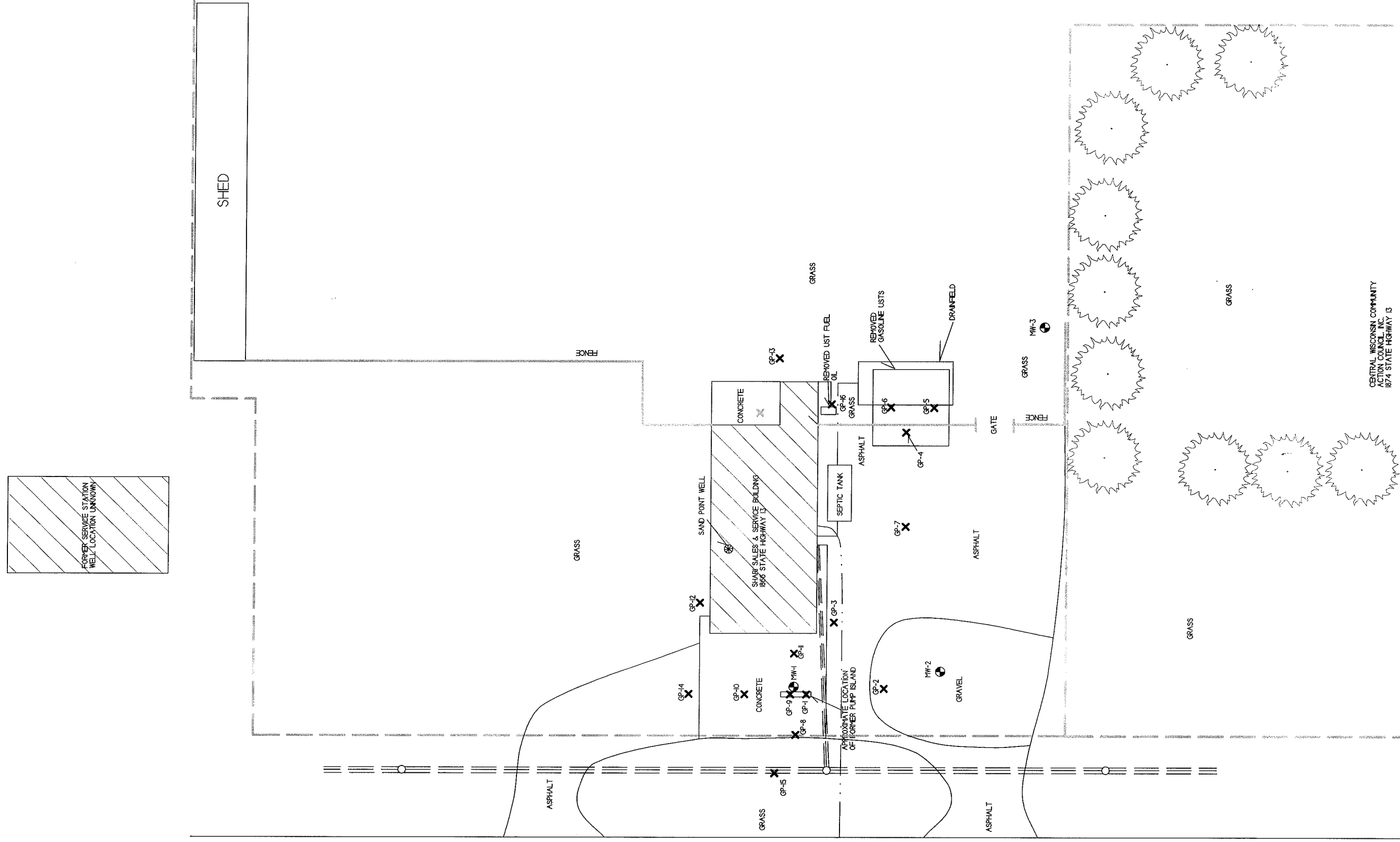
CZECH LANE

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

STATE HIGHWAY 13



B.I.b.  
**DETAILED SITE MAP**  
**SHARI SALES & SERVICE**  
**(FORMER)**



FRIENDSHIP  
 WISCONSIN  
 709 Gillette Street, Suite 2  
 La Crosse, WI 54603  
 Fax: (608) 781-8893

DRAWN BY: JD 07/25/24  
 MODELED BY: JJ 02/20/24

NOTE: INFORMATION BASED ON AVAILABLE  
 DATA. ACTUAL CONDITIONS MAY DIFFER

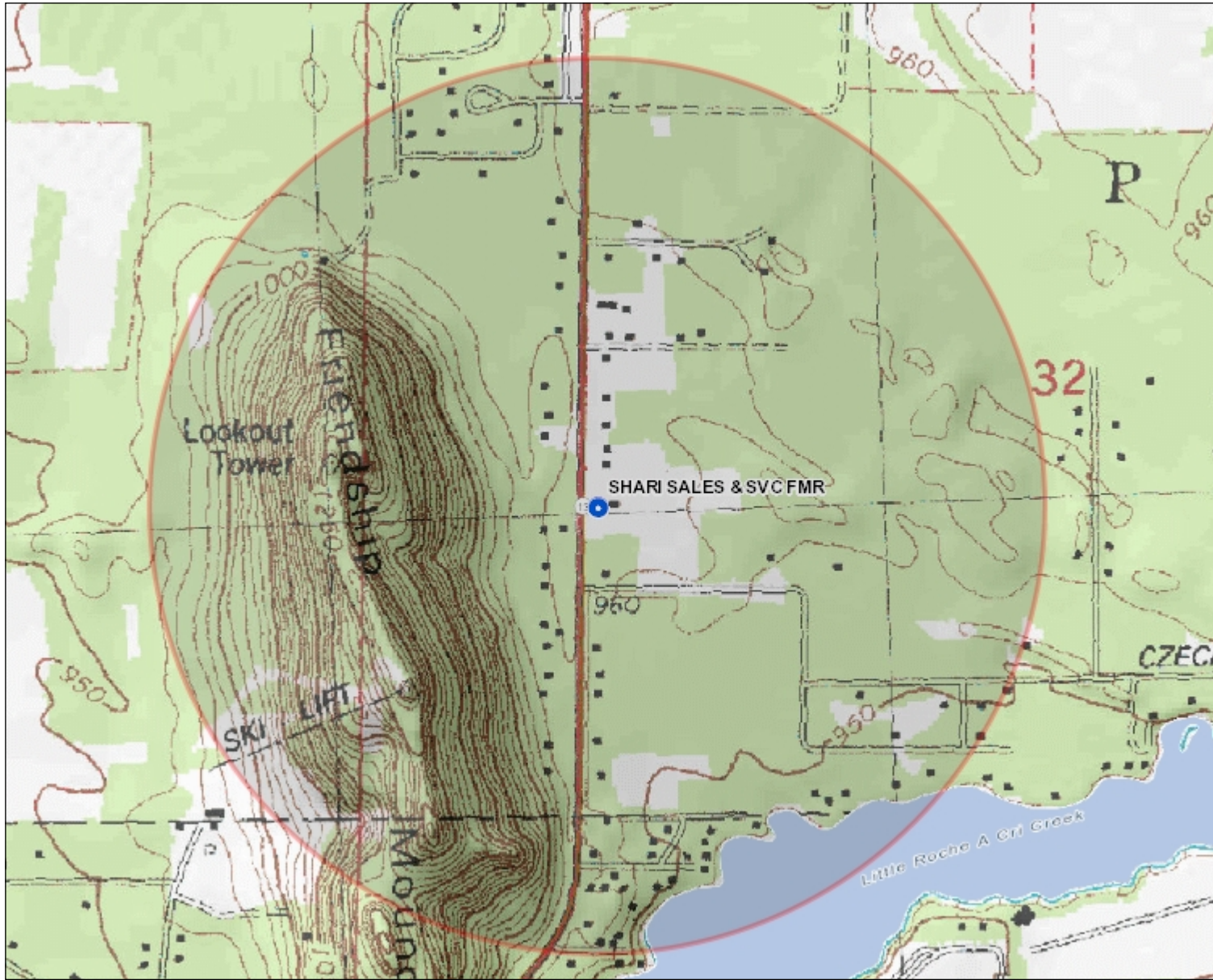
- X - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC
- - SEPTIC SEWER LINE
- - NATURAL GAS LINE

SCALE:  
 1 INCH = 40 FEET  
 0 20 40



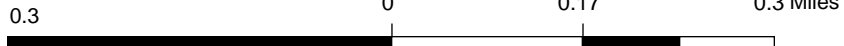


# B.1.c RR Sites Map



### Legend

- Open Site (ongoing cleanup)
- Open Site Boundary
- Closed Site (completed cleanup)
- Closed Site Boundary
- Groundwater Contamination
- Soil Contamination
- Groundwater and Soil Contamination
- Contamination From Another Property
- Dryclean Environmental Response Fund (DERF)
- Green Space Grant (2004-2009)
- Ready for Reuse
- Site Assessment Grant (2001-2009)
- State Funded Response
- Sustainable Urban Development Zone (SUDZ)
- ▼ General Liability Clarification Letters
- ▼ Superfund NPL
- ▼ Voluntary Party Liability Exemption
- Rivers and Streams
- Open Water



NAD\_1983\_HARN\_Wisconsin\_TM

© Latitude Geographics Group Ltd.

1: 10,955



DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/org/legal/>

**Note: Not all sites are mapped.**

### Notes

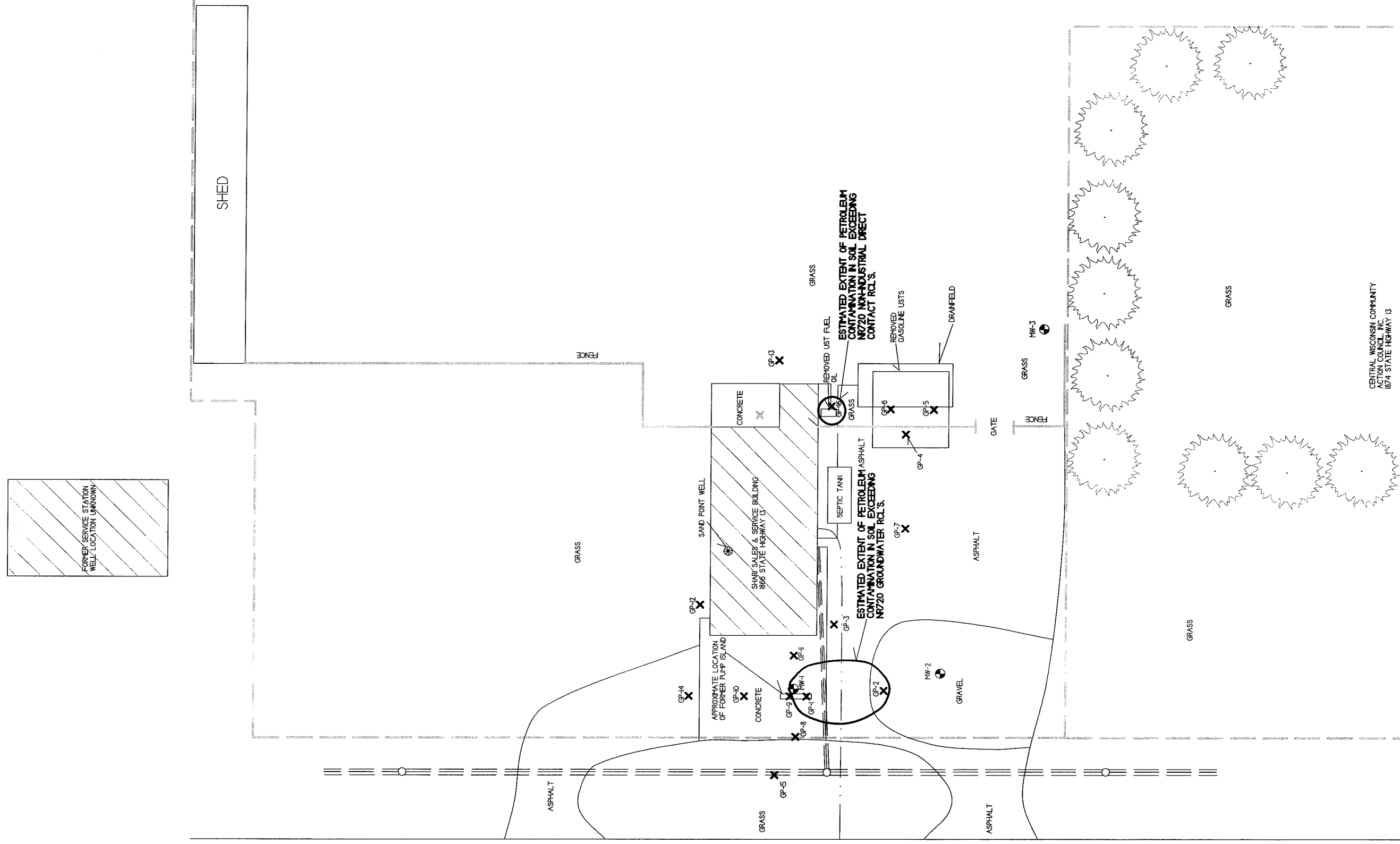


RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

STATE HIGHWAY 13



**B.2.d.**  
**SOIL CONTAMINATION**  
**SHARI SALES & SERVICE**  
**(FORMER)**

**METCO**  
 109 Glenview Street, Suite 100  
 Madison, WI 53713  
 Phone: (608) 778-1873  
 Fax: (608) 778-1863

**FRIENDSHIP, WISCONSIN**  
 DRAWN BY: JD 07/26/24  
 CHECKED BY: JJ 02/27/24

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.
- X - GEOPROBE BORING LOCATION
  - ⊙ - POTABLE WELL LOCATION
  - ⊙ - MONITORING WELL LOCATION
  - - PROPERTY BOUNDARY
  - - OVERHEAD ELECTRIC
  - - SEPTIC SEWER LINE
  - - NATURAL GAS LINE

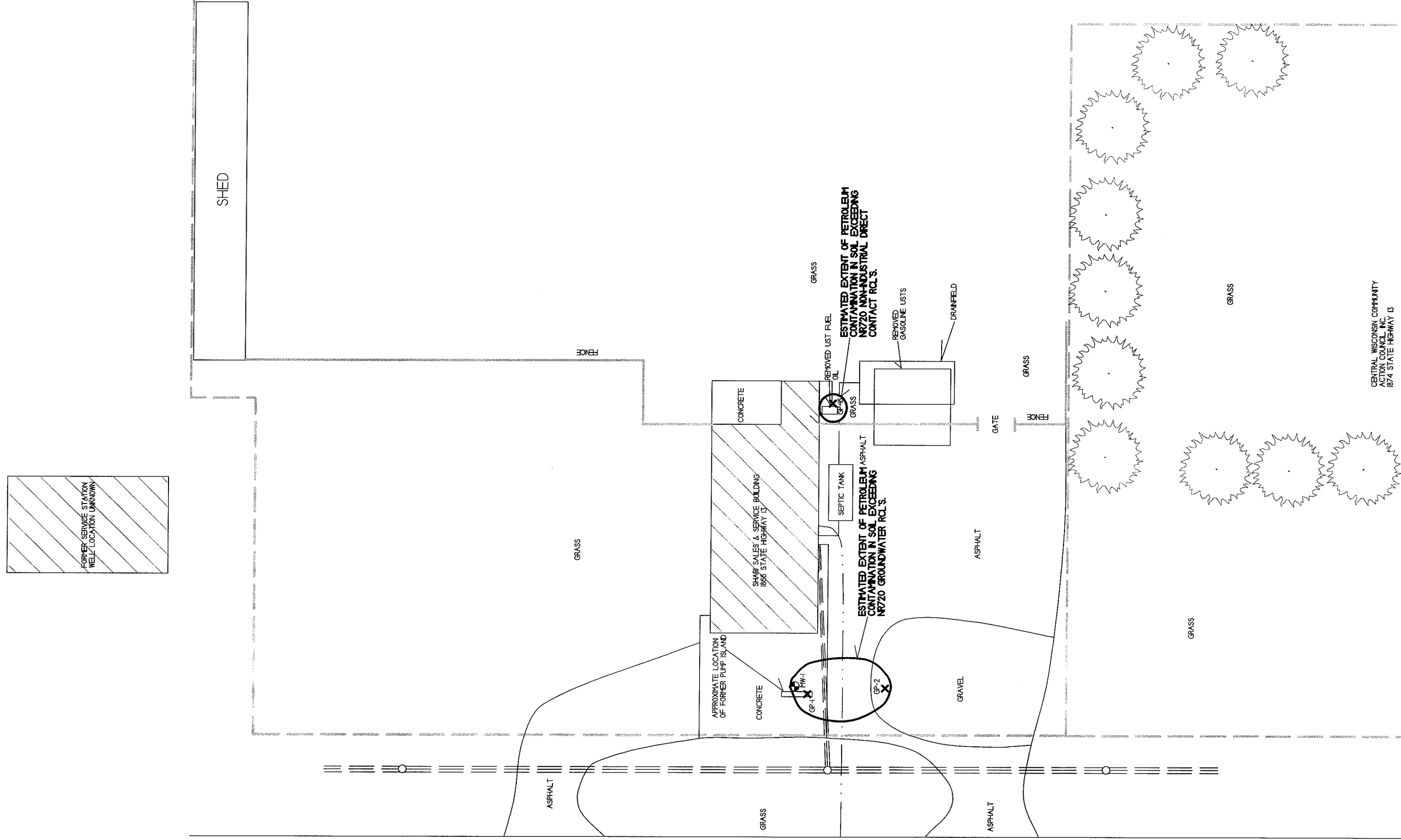


RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

STATE HIGHWAY 13

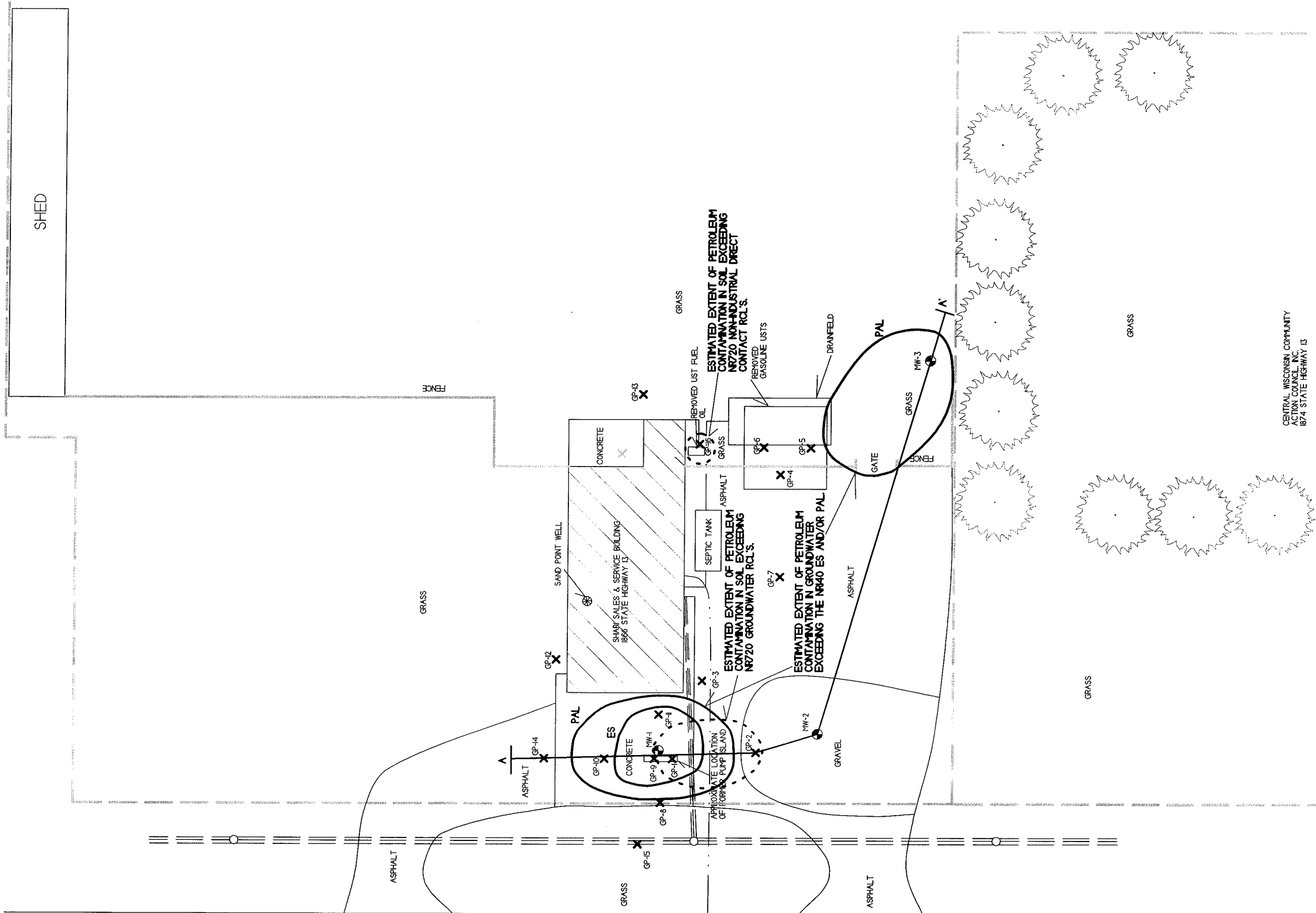


<b>B.2.b. RESIDUAL SOIL CONTAMINATION SHARI SALES &amp; SERVICE (FORMER)</b>	
	<b>FRIENDSHIP, WISCONSIN</b>
<small>1760 Oakdale Street, Suite 3 Lima, Colorado, WI 54703 Tel: (608) 781-8879 Fax: (608) 781-8863</small>	
<small>DRAWN BY: ED 07/06/2014 CHECKED BY: JJ 01/07/2014</small>	

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- X - GEOPROBE BORING LOCATION
  - ⊗ - POTABLE WELL LOCATION
  - ⊙ - MONITORING WELL LOCATION
  - — — — — PROPERTY BOUNDARY
  - — — — — OVER-HEAD ELECTRIC
  - — — — — SEPTIC SEWER LINE
  - — — — — NATURAL GAS LINE

SCALE:  
1 INCH = 40 FEET

FORMER SERVICE STATION  
WELL LOCATION UNKNOWN



CENTRAL WISCONSIN COMMUNITY  
ACTION COUNCIL INC  
1874 STATE HIGHWAY 13

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- X - GEOPROBE BORING LOCATION
  - ⊙ - POTABLE WELL LOCATION
  - ⊕ - MONITORING WELL LOCATION
  - — — — — PROPERTY BOUNDARY
  - ==== OVERHEAD ELECTRIC
  - ..... SEPTIC SEWER LINE
  - — — — — NATURAL GAS LINE



B.3.a.1 GEOLOGIC  
CROSS SECTION

SHARI SALES & SERVICE  
(FORMER)

210 Gilman Street, Suite 4  
Le Cross, WI 54603  
Tel: (608) 735-1875  
Fax: (608) 735-1878

FRIENDSHIP,  
WISCONSIN

DRAWN BY: JD 07/6/2014

NOTED BY: JJ 02/2014

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

STATE HIGHWAY 13



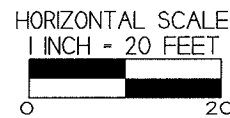
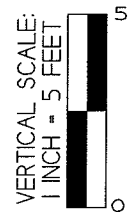
**FIGURE B.3.a.3 GEOLOGIC CROSS SECTION FIGURE**

**SHARI SALES & SERVICE (FORMER)**

709 Gillette St. Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-4879  
Fax: (608) 781-8893

**FRIENDSHIP, WISCONSIN**

DRAWN BY: JJ 2/23/16



- - MONITORING WELL LOCATION
- - GEOPROBE BORING LOCATION
- ✕ - SOIL SAMPLING LOCATION
- ▼ - WATERTABLE (BASED ON ALL-TIME LOW RESULTS)

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SOIL SAMPLE RESULTS ARE PRESENTED IN PARTS PER MILLION (PPM).

GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).

GROUNDWATER FLOW IS TOWARD THE WEST.

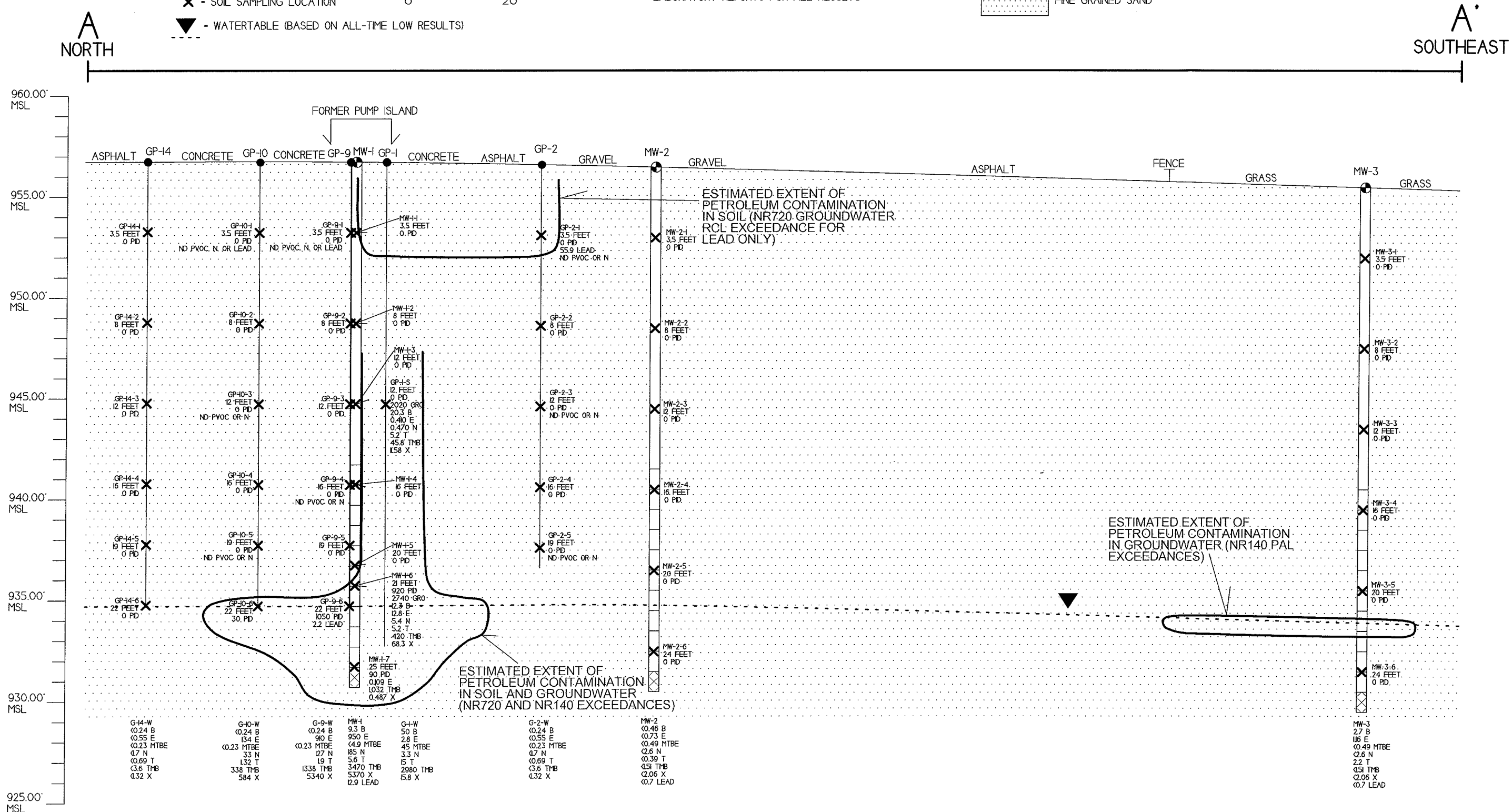
NOTE: SOIL RESULTS SHOW DETECTS AND EXCEEDANCES THAT HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL RESULTS

- ND - NO DETECT
- PID - PHOTO IONIZATION DETECTOR
- GRO - GASOLINE RANGE ORGANICS
- PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
- B - BENZENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE

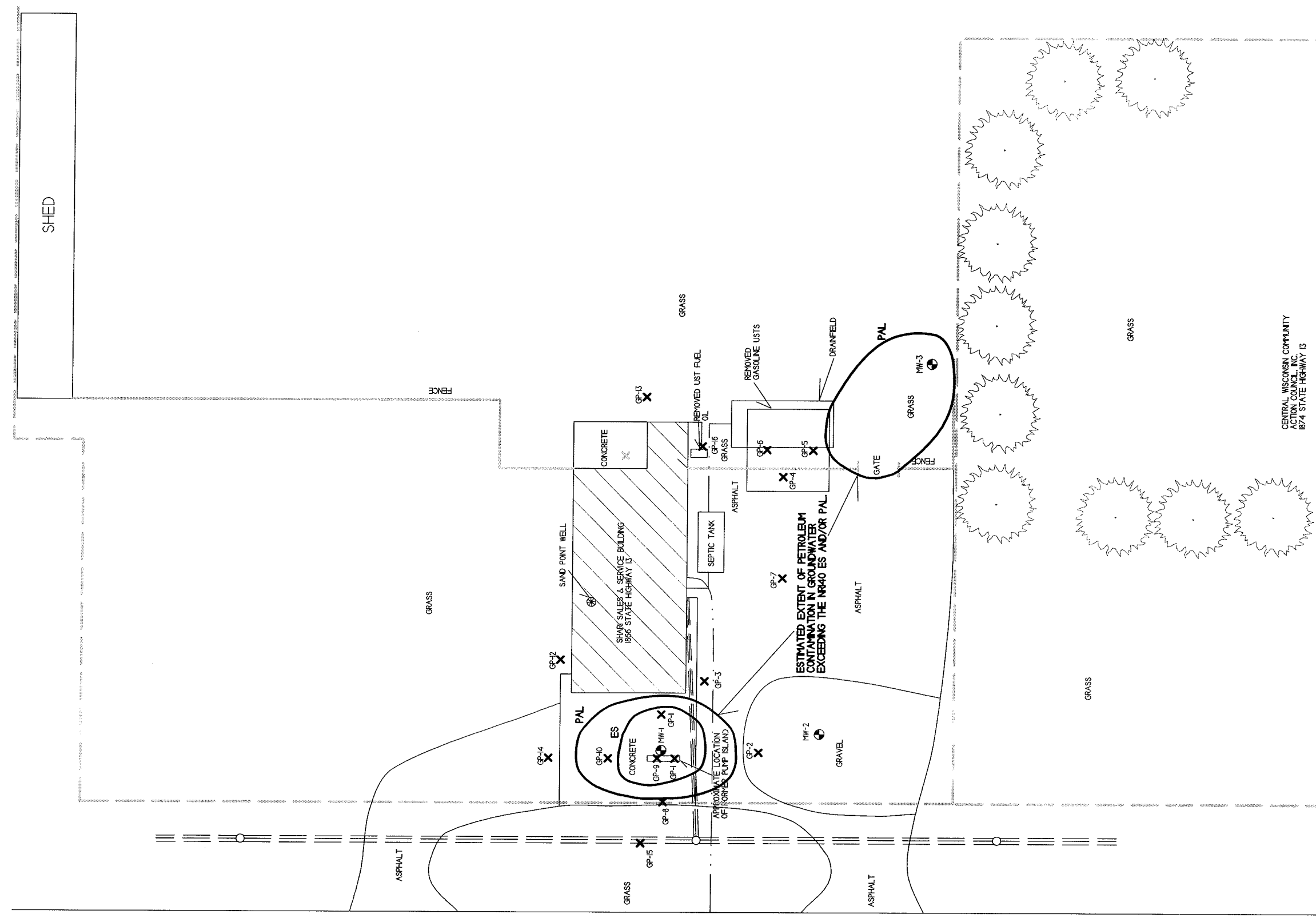
NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:

- PHASE 2 ENVIRONMENTAL SITE ASSESSMENT (2/26/14)
- GEOPROBE PROJECT (9/29/14)
- DRILLING PROJECT (3/23/15)
- ROUND 4 GROUNDWATER SAMPLING (2/21/15)

TAN TO ORANGE TO BROWN VERY FINE TO FINE GRAINED SAND



FORMER SERVICE STATION  
WELL LOCATION UNKNOWN



CENTRAL WISCONSIN COMMUNITY  
ACTION COUNCIL, INC.  
1874 STATE HIGHWAY 13

STATE HIGHWAY 13

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

**B.3.b. GROUNDWATER  
ISOCONCENTRATION**  
**SHARI SALES & SERVICE  
(FORMER)**



1915 California Street, Suite 2  
Lu Cross, WI 54073  
Tel: (920) 781-8883  
Fax: (920) 781-8883



FRIENDSHIP,  
WISCONSIN  
DRAWN BY: JD 07/02/04  
CHECKED BY: JJ 02/02/04

NOTE: INFORMATION BASED ON AVAILABLE  
DATA. ACTUAL CONDITIONS MAY DIFFER

- X - GEOPROBE BORING LOCATION
- ⊕ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVER-HEAD ELECTRIC
- - SEPTIC SEWER LINE
- - NATURAL GAS LINE







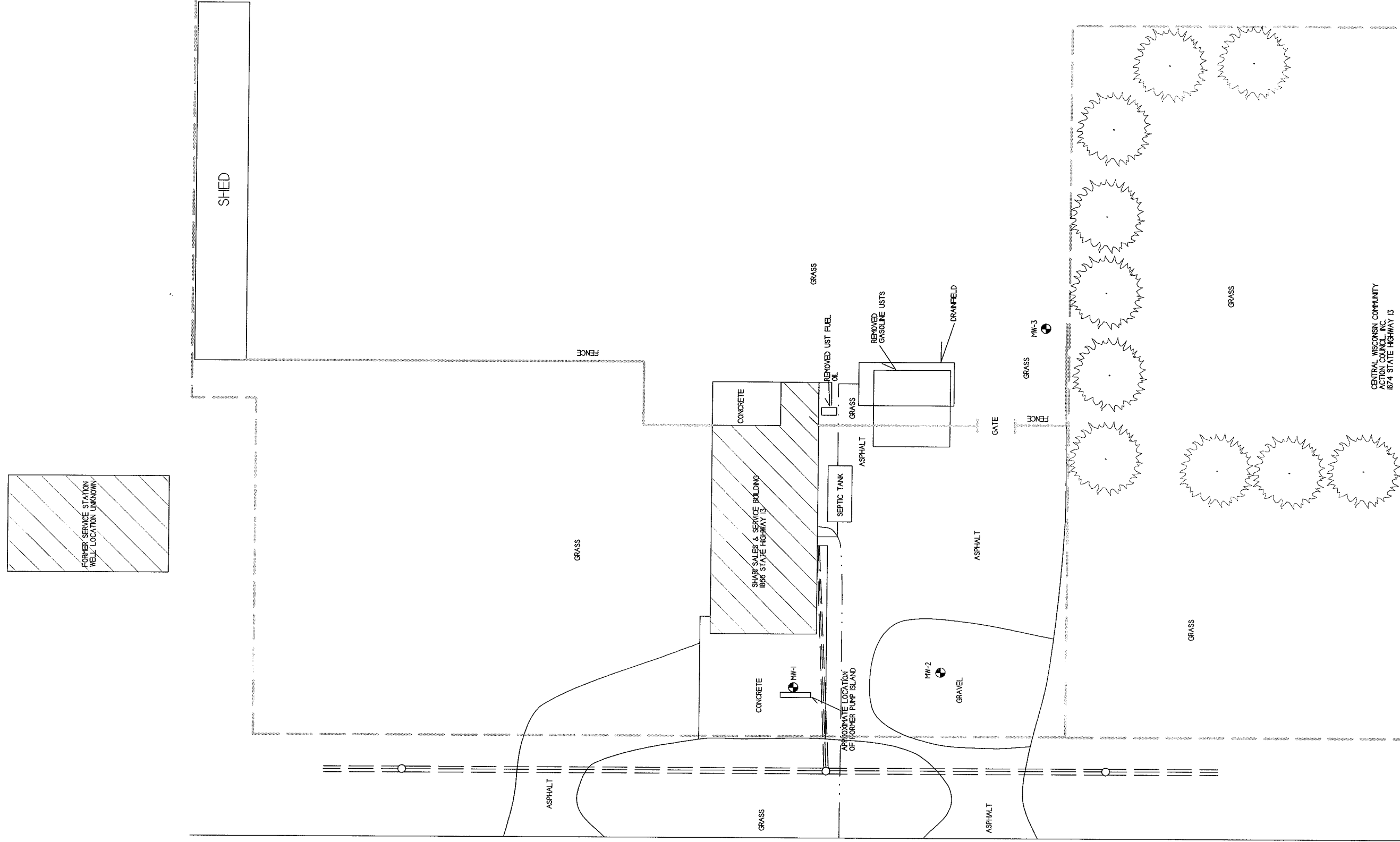


RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

STATE HIGHWAY 13



**B.3.d.**  
**MONITORING WELLS**  
**SHARI SALES & SERVICE**  
**(FORMER)**

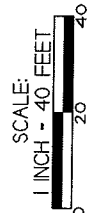
700 Caliente Street, Suite 4  
 La Crosse, WI 54603  
 Tel: (608) 781-8833  
 Fax: (608) 781-8833

**METCO**

FRIENDSHIP  
 WISCONSIN  
 DRAWN BY: JD 07/26/2014  
 CHECKED BY: JI 02/02/2014

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

MONITORING WELL LOCATION - PROPOSED TO BE ABANDONED  
 PROPERTY BOUNDARY  
 OVERHEAD ELECTRIC  
 SEPTIC SEWER LINE  
 NATURAL GAS LINE



CENTRAL WISCONSIN COMMUNITY  
 PLANNING BOARD  
 874 STATE HIGHWAY 13

## Attachment C/Documentation of Remedial Action

C.1 Site Investigation documentation – All site investigation activities are documented in the Site Investigation Report, which is being submitted concurrently with this case closure request.

### C.2 Investigative waste

C.3 Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: <http://dnr.wi.gov/topic/brownfields.Professionals.html> - Residual Contaminant Levels (RCLs) were established in accordance with NR720.10 and NR720.12. Soil RCLs for the protection of the groundwater pathway and for non-industrial direct contact were taken from the RR programs RCL spreadsheet.

C.4 Construction documentation – No Remedial actions and/or interim actions specified in s.NR724.01(1) occurred at this site.

C.5 Decommissioning of Remedial Systems – No remedial systems were installed as part of this site investigation.

C.6 Other – Not applicable



## **Attachment D/Maintenance Plan(s)**

**D.1 Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required**

**D.2 Location map(s) which show(s)**

**D.3 Photographs**

**D.4 Inspection log**

## D.1 Description of Maintenance Action(s)

### CAP MAINTENANCE PLAN

March 2, 2016

Property Located at:  
1866 State Highway 13  
Friendship, WI 53934

WDNR BRRTS# 03-01-561731

TAX KEY# 024010700000

#### Introduction

This document is the Maintenance Plan for a grass/vegetation and concrete/asphalt cap 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 existing cap occupying the area over the contaminated groundwater plume or soil on-site.

More site-specific information about this property may be found in:

- The case file in the DNR West Central regional office
- BRRTS on the Web (DNR's internet based data base of contaminated sites):  
<http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>
- GIS Registry PDF file for further information on the nature and extent of contamination and
- The DNR project manager for Adams County.

#### Description of Contamination

Soil contaminated by Polynuclear Aromatic Hydrocarbons (PAHs) is located at a depth of 3.5 feet below ground surface (bgs) in the area of the removed fuel oil UST system. Soil contaminated by Petroleum Volatile Organic Compounds (PVOC) and Naphthalene is located at a depth of 12-21 feet bgs in the area of the former pump island. The extent of the soil contamination is shown on Attachment D.2.

#### Description of the Cap to be maintained

The Cap consists of a small area of grass/vegetation extending up to the southeast edge of the on-site building, and an area of concrete/asphalt extending up to the western edge of the on-site building, as shown on Attachment D.2.

### Cover Barrier Purpose

The grass/vegetation cap over the contaminated soil serves a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The concrete/asphalt cap 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 grass/vegetation and concrete/asphalt cap overlying the contaminated soil and as depicted in Attachment D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Form 4400-305 Continuing Obligations and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Note: The WDNR may, in some instances, require in the case closure letter that the inspection log be submitted at least annually after every inspection. If the case closure letter requires that, then a copy of the inspection log must be submitted to the WDNR at least annually after every inspection.

### 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 or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the grass/vegetation and/or concrete/asphalt cap overlying the contaminated soil plume is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

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

### Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover or Cap

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

### Amendment or Withdrawal of Maintenance Plan

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

Contact Information

March 2016

**Current Site Owner and Operator:**

Nicholas Buck  
2146 West 10<sup>th</sup> Drive  
Adams, WI 53910  
(608) 547-5227

Signature: \_\_\_\_\_

(DNR may request signature of affected property owners, on a case-by-case basis)

**Consultant:**

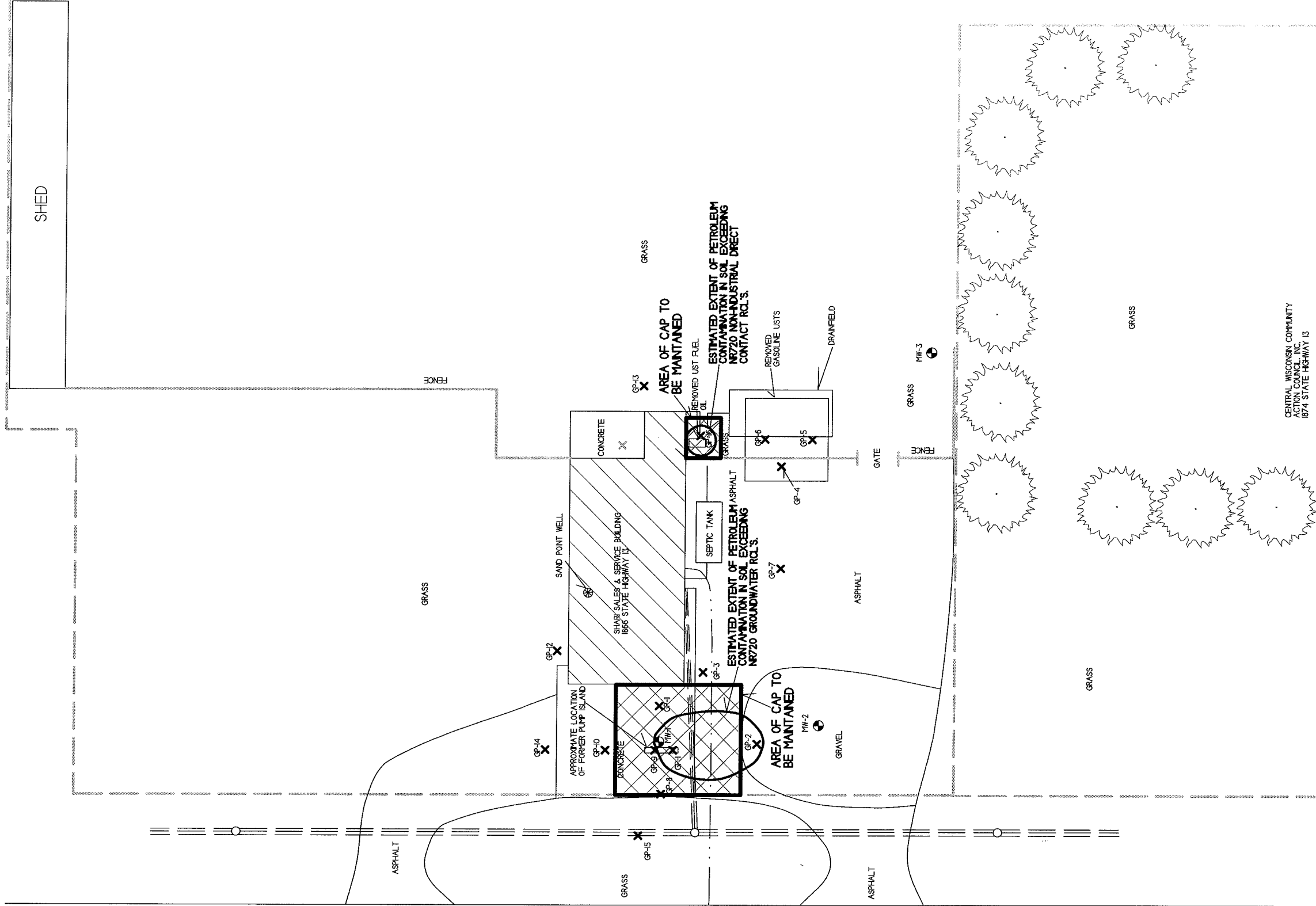
METCO  
Ron Anderson  
709 Gillette Street, Suite 3  
La Crosse, WI 54603  
(608) 781-8879

**WDNR:**

Dee Lance  
473 Griffith Avenue  
Wisconsin Rapids, WI 54494  
(715) 421-7862



FORMER SERVICE STATION  
WELL LOCATION UNKNOWN



CENTRAL WISCONSIN COMMUNITY  
CITY COUNCIL, INC.  
1874 STATE HIGHWAY 13

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

- X - GEOPROBE BORING LOCATION
- - POTABLE WELL LOCATION
- - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - OVERHEAD ELECTRIC
- - SEPTIC SEWER LINE
- - NATURAL GAS LINE

<p>D.2 LOCATION MAP SHARI SALES &amp; SERVICE (FORMER)</p>	
<p>FRIENDSHIP, WISCONSIN 109 Gillette Street, Suite 3 La Crosse, WI 54603 Phone: (608) 781-8800 Fax: (608) 781-8803</p>	
<p>DATE: 07/25/24 DRAWN BY: JI</p>	<p>DATE: 02/20/24 CHECKED BY: JI</p>



RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

RESIDENCE  
WELL LOCATION UNKNOWN

STATE HIGHWAY 13

# D.4 Inspection Log

State of Wisconsin  
Department of Natural Resources  
dnr.wi.gov

## Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14) Page 1 of 2

**Directions:** In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name \_\_\_\_\_ BRRTS No. 03-01-561731

Shari Sales & Service (Former)

Inspections are required to be conducted (see closure approval letter):

annually  
 semi-annually  
 other - specify \_\_\_\_\_

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter): \_\_\_\_\_

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

## **Attachment E/Monitoring Well Information**

All wells have been located and will be properly abandoned upon WDNR granting closure to the site.

## **Attachment F/Source Legal Documents**

**F.1 Deeds – Source Property**

**F.2 Certified Survey Map**

**F.3 Verification of Zoning**

**F.4 Signed Statement**



# F. 2 Certified Survey map

UNOFFICIAL COPY

281458

Register's Office } SS  
ADAMS COUNTY, WIS.

Received for record the 26 day  
of MAR A. D., 1982 at 11:10 M.S.A. FILE NO. \_\_\_\_\_  
o'clock A. M., and recorded in Vol. \_\_\_\_\_

PROJECT NO. 338209

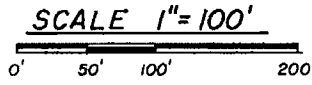
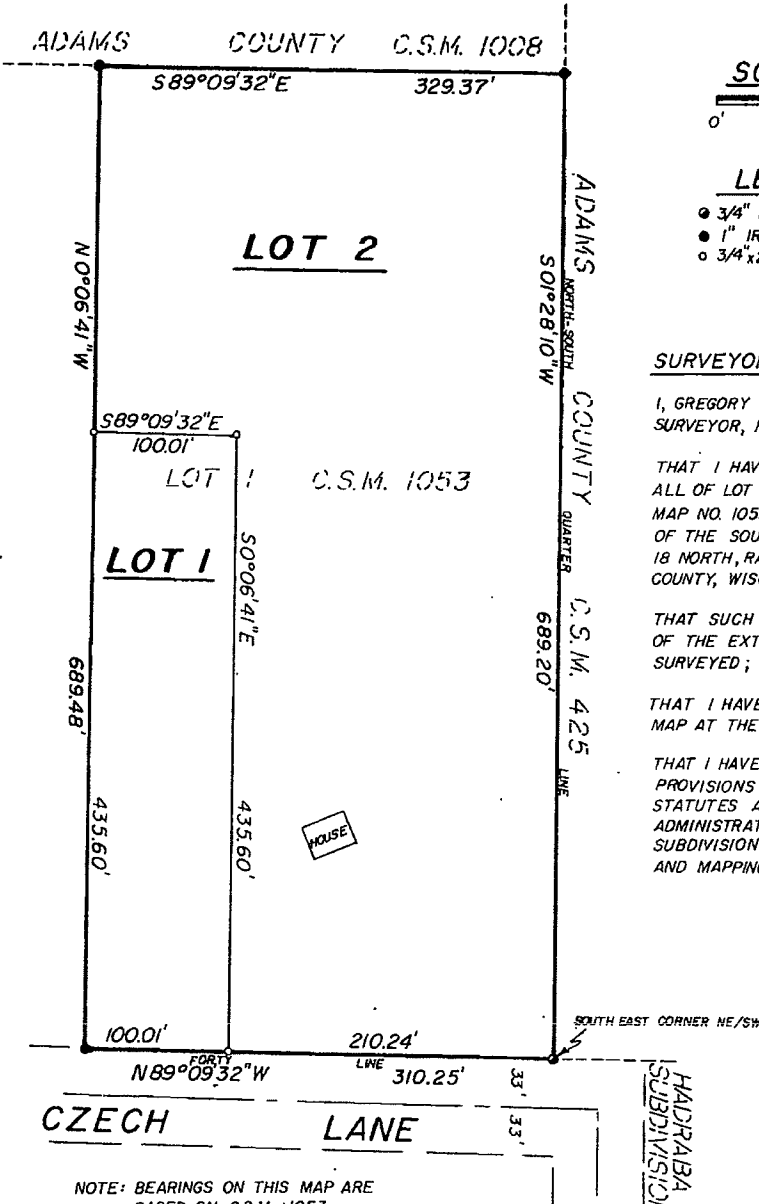
CLIENT: GILBERT STEIGMAN  
STREET: 1158 CZECH LANE  
CITY: FRIENDSHIP, WIS. 53934

5 of Csm page 499 SHEET 1 OF 1  
SIDE 1 OF 1

MID-STATE ASSOCIATES INC. FRIENDSHIP, WISCONSIN 53934

**ADAMS COUNTY CERTIFIED MAP NO. 1403**

ALL OF LOT 1, ADAMS COUNTY CERTIFIED SURVEY MAP NO. 1053, LOCATED IN THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 32, TOWN 18 NORTH, RANGE 6 EAST, TOWN OF PRESTON, ADAMS COUNTY, WISCONSIN.



- LEGEND**
- 3/4" IRON PIPE, FOUND
  - 1" IRON PIPE, FOUND
  - 3/4"x24" IRON ROD, 1.50 lbs./ft., SET



**SURVEYOR'S CERTIFICATE**

I, GREGORY P. RHINEHART, REGISTERED LAND SURVEYOR, HEREBY CERTIFY;

THAT I HAVE SURVEYED, DIVIDED AND MAPPED ALL OF LOT 1, ADAMS COUNTY CERTIFIED SURVEY MAP NO. 1053, LOCATED IN THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 32, TOWN 18 NORTH, RANGE 6 EAST, TOWN OF PRESTON, ADAMS COUNTY, WISCONSIN;

THAT SUCH MAP IS A CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LANDS SURVEYED;

THAT I HAVE MADE SUCH SURVEY, DIVISION AND MAP AT THE DIRECTION OF GILBERT STEIGMAN;

THAT I HAVE FULLY COMPLIED WITH THE PROVISIONS OF CHAPTER 236 OF THE WISCONSIN STATUTES AND SECTION A-E 5 OF THE WISCONSIN ADMINISTRATIVE CODE AND THE ADAMS COUNTY SUBDIVISION ORDINANCE IN SURVEYING, DIVIDING AND MAPPING THE SAME.

MARCH 26, 1982

*Gregory P Rhinehart*  
RLS 1478

NOTE: BEARINGS ON THIS MAP ARE BASED ON C.S.M. 1053.

AREA: LOT 1- 1.00 ACRES  
43,560 SQ. FT.  
LOT 2- 4.06 ACRES  
176,897 SQ. FT.

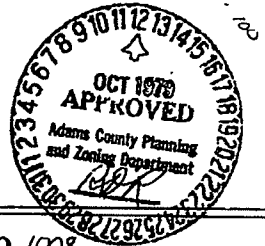
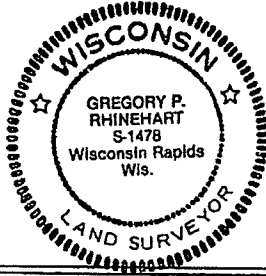


cmpe#

# F. 2 Certified Survey Map

UNOFFICIAL COPY

Adams County, Wis.  
 Recorded for record the 12 day  
 of Oct A.D. 1979 at 9:30  
 loc. 4 and recorded in Vol  
 # of Survey page 376  
 Kevin Janicey



## ADAMS COUNTY CERTIFIED SURVEY MAP NO. 1008

PART OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 32, TOWN 18 NORTH, RANGE 6 EAST, TOWN OF PRESTON, ADAMS COUNTY, WISCONSIN.

268763

**NOTE:** The East line of the Northeast Quarter of Section 32 assigned a bearing of N 01° 37' 25" W as the basis for the bearings shown on this map.

### SURVEYOR'S CERTIFICATE:

I, Gregory P. Rhinehart, Registered Land Surveyor, hereby certify:

That I have surveyed and mapped part of the Northeast Quarter of the Southwest Quarter of Section 32, Town 18 North, Range 6 East, Town of Preston, Adams County, Wisconsin, bounded and described as follows:

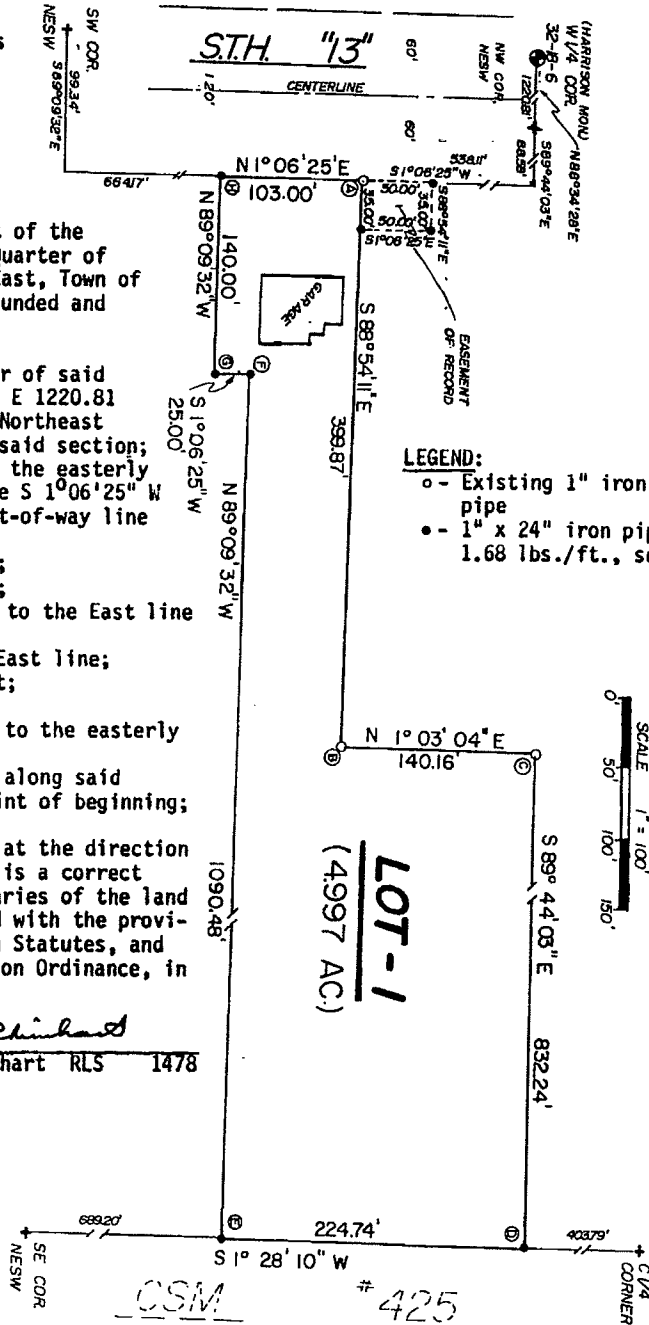
Commencing at the West Quarter corner of said Section 32, run thence N 88° 34' 28" E 1220.81 feet to the Northwest corner of the Northeast Quarter of the Southwest Quarter of said section; thence S 89° 44' 03" E 88.58 feet to the easterly right-of-way line of STH "13"; thence S 1° 06' 25" W 538.11 feet along said easterly right-of-way line to the point of beginning;  
 thence S 88° 54' 11" E 399.87 feet;  
 thence N 1° 03' 04" E 140.16 feet;  
 thence S 89° 44' 03" E 832.24 feet to the East line of said forty;  
 thence S 1° 28' 10" W along said East line;  
 thence N 89° 09' 32" W 1090.48 feet;  
 thence S 1° 06' 25" E 25.00 feet;  
 thence N 89° 09' 32" W 140.00 feet to the easterly right-of-way line of STH "13";  
 thence N 1° 06' 25" W 103.00 feet along said easterly right-of-way line to the point of beginning;

That I have made such survey and map at the direction of Robert Trzesniak; That such map is a correct representation of the exterior boundaries of the land surveyed; That I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes, and the Adams County Subdivision Regulation Ordinance, in surveying and mapping the same.

October 10, 1979  
 Gregory P. Rhinehart RLS 1478

### INTERIOR ANGLES TABLE:

A - 90° 00' 36"	B - 270° 02' 45"
C - 90° 47' 07"	D - 88° 47' 47"
E - 90° 37' 42"	F - 269° 44' 03"
G - 90° 15' 57"	H - 89° 44' 03"



KIEDROWSKI ENGINEERING, INC.  
 WISCONSIN RAPIDS, WISCONSIN 54494

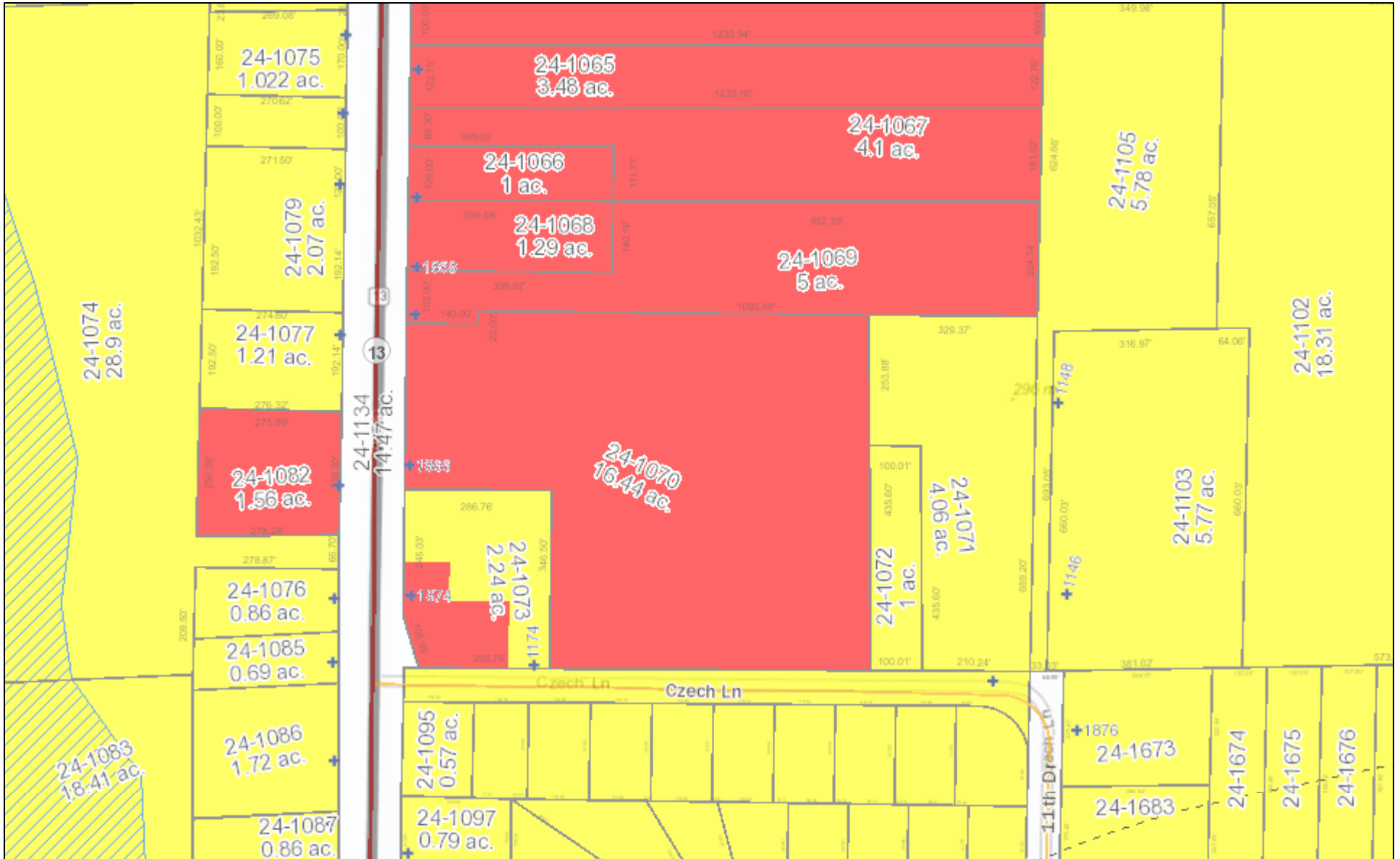
Field Book 78 Page 77-81

Drafted By Gregory P. Rhinehart/kjr.

Volume 4 Page 376

#2dwe

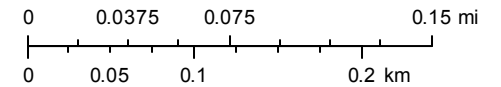
# F.3 Verification of Zoning



March 1, 2016

Adams Co.

1:4,514



- |                 |                    |                             |
|-----------------|--------------------|-----------------------------|
| State Highway   | Municipal Boundary | Parcel Lines                |
| County Highway  | Sections           | Meander Lines               |
| Local Road      | Property Addresses | Inland Wetland - Point      |
| Railroad        | Schools            | Uplands Conservancy Overlay |
| County Boundary | Hospital           |                             |

DISCLAIMER: This map is for informational purposes and has not been prepared for, nor is it suitable for legal, surveying, or engineering purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information. Adams County makes no warranty or ascertain the usability of the information. Adams County makes no warranty or guarantee as to the content, accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained hereon. Copyright 2015, Adams County. All rights reserved.

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Legend



Airport Height Overlay



Comprehensive Zoning



A-1 {35}: Exclusive Agricultural



A-1 {15}: Exclusive Agricultural



A-2: Secondary Agricultural



A-3: Secondary Agricultural



R-1C: Single Family Conservation Residential



R-1: Single Family Residential



R-1 {LL}: Single Family Residential Large Lot



R-2: Rural Residential



R-3: Versatile Residential



P-R: Planned Residential



B-1: Rural Business



I-1: Industrial



PSP-1: Public and Semi-Public



## **Attachment G/Notification to Owners of Impacted Properties**

There are no impacts to any other properties.