

**Notice:** Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31 - 19.39, Wis. Stats.].

## Definitions

**"Property"** refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

**"Liability Clarification"** refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

**"Technical Assistance"** refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

**"Post-closure modification"** refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

## Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

**Do not use this form if one of the following applies:**

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

**All forms, publications and additional information are available on the internet at:** [dnr.wi.gov/topic/Brownfields/Pubs.html](http://dnr.wi.gov/topic/Brownfields/Pubs.html).

## Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Page 2 of 7

## Section 1. Contact and Recipient Information

### Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name Harris	First Jon	MI	Organization/ Business Name Douglas County Forestry Department
Mailing Address 9182 E. Hughes Avenue, P.O. Box 211			City Solon Springs
			State WI
			ZIP Code 54873
Phone # (include area code) (715) 378-2219	Fax # (include area code) (715) 378-2807	Email jon.harris@douglascountywi.org	

The requester listed above: (select all that apply)

- Is currently the owner
- Is currently renting or leasing the Property
- Is a lender with a mortgagee interest in the Property
- Other. Explain the status of the Property with respect to the applicant:
- Is considering selling the Property
- Is considering acquiring the Property

### Contact Information (to be contacted with questions about this request)

Select if same as requester

Contact Last Name Harris	First Jon	MI	Organization/ Business Name Douglas County Forestry Department
Mailing Address 9182 E. Hughes Avenue, P.O. Box 211			City Solon Springs
			State WI
			ZIP Code 54873
Phone # (include area code) (715) 378-2219	Fax # (include area code) (715) 378-2807	Email jon.harris@douglascountywi.org	

### Environmental Consultant (if applicable)

Contact Last Name Anderson	First Jeffery	MI	Organization/ Business Name MSA Professional Services, Inc.
Mailing Address 332 West Superior Street, Suite 600			City Duluth
			State MN
			ZIP Code 55802
Phone # (include area code) (218) 499-3175	Fax # (include area code) (218) 722-4548	Email jkanderson@msa-ps.com	

### Section 2. Property Information

Property Name Former Smith Union 76			FID No. (if known) 816029940
BRRTS No. (if known) 03-16-000069		Parcel Identification Number SS-181-00505-00	
Street Address 11427 South Business Highway 53			City Solon Springs
			State WI
			ZIP Code 54873
County Douglas	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of	Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels	Property Size Acres 0.29

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Page 3 of 7

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

- No  Yes

Date requested by: \_\_\_\_\_

Reason:

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

- No. **Include the fee that is required for your request in Section 3, 4 or 5.**  
 Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

**Section 3. Technical Assistance or Post-Closure Modifications;**

**Section 4. Liability Clarification; or Section 5. Specialized Agreement.**

## Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of \$350. Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
  - Include a fee of \$300 for sites with residual soil contamination; and
  - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

## Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. [Numbers in brackets are for DNR Use]

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Page 4 of 7

"Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:
  - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
  - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

"Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

- hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];
- Perceived environmental contamination - [649];
- hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or
- solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:**

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the ¼, ¼ section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Page 5 of 7

- Lease liability clarification - s. 292.55, Wis. Stats. [646]
- ❖ **Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:**
  - (1) a copy of the proposed lease;
  - (2) the name of the current owner of the Property and the person who will lease the Property;
  - (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
  - (4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
  - (5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
  - (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

- ❖ **Include a fee of \$700 and an adequate summary of relevant environmental work to date.**

No Action Required (NAR) - NR 716.05, [682]

- ❖ **Include a fee of \$700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

- ❖ **Include a fee of \$700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

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Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

The Douglas County Forestry Department is planning on purchasing the Former Smith's Union 76 Property in order to convert it into additional parking for their existing office, directly adjacent to the property. Following the purchase, the existing building onsite will be demolished and the existing parking lot needs to be removed, subjected to minor regrading and resurfaced. A retaining wall will also be built on a portion of the property to prevent erosion. In order to proceed with the project, the Requester is asking for the WDNR to provide written approval of the proposed modifications to the barrier. The removal and slight regrading of the parking lot will not disturb any of the identified soil or groundwater contamination identified on the site and the resurfacing of the parking lot will maintain an asphalt surface as required in the Continuing Obligations listed in the Case Closure letter dated June 25, 2020. A proposal to perform these tasks and a request for proposal document outlining the scope of work for the retaining wall reconstruction and the parking lot resurfacing are provided as an attachment to this document.

## Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: [dnr.wi.gov/topic/Brownfields/Igu.html#tabx4](http://dnr.wi.gov/topic/Brownfields/Igu.html#tabx4).

Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of \$1400, and the information listed below:**

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

## Section 6. Other Information Submitted

Technical Assistance, Environmental Liability  
Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Page 6 of 7

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

- Phase I Environmental Site Assessment Report - Date: \_\_\_\_\_
- Phase II Environmental Site Assessment Report - Date: \_\_\_\_\_
- Legal Description of Property (required for all liability requests and specialized agreements)
- Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

- Groundwater
- Soil
- Sediment
- Other medium - Describe: \_\_\_\_\_

Date of Collection: \_\_\_\_\_

- A copy of the closure letter and submittal materials
- Draft tax cancellation agreement
- Draft agreement for assignment of tax foreclosure judgment
- Other report(s) or information - Describe: Site upgrade proposal/Construction plans

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

- Yes - Date (if known): \_\_\_\_\_
- No

**Note:** The Notification for Hazardous Substance Discharge Form - Non-Emergency Only (Form 4400-225) is accessible through the RR Program Submittal Portal application. Directions for using the form and the Submittal Portal application are available on the [Submittal Portal web page](#).

**Section 7. Certification by the Person who completed this form**

- I am the person submitting this request (requester)
- I prepared this request for: Jon Harris  
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

  
Signature

4-15-2022  
Date Signed

Senior Team Leader  
Title

(218) 499-3175  
Telephone Number (include area code)

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Page 7 of 7

## Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/r/RR690.pdf>.

### DNR NORTHERN REGION

Attn: RR Program Assistant  
Department of Natural Resources  
223 E Steinfest Rd Antigo, WI 54409

### DNR NORTHEAST REGION

Attn: RR Program Assistant  
Department of Natural Resources  
2984 Shawano Avenue  
Green Bay WI 54313

### DNR SOUTH CENTRAL REGION

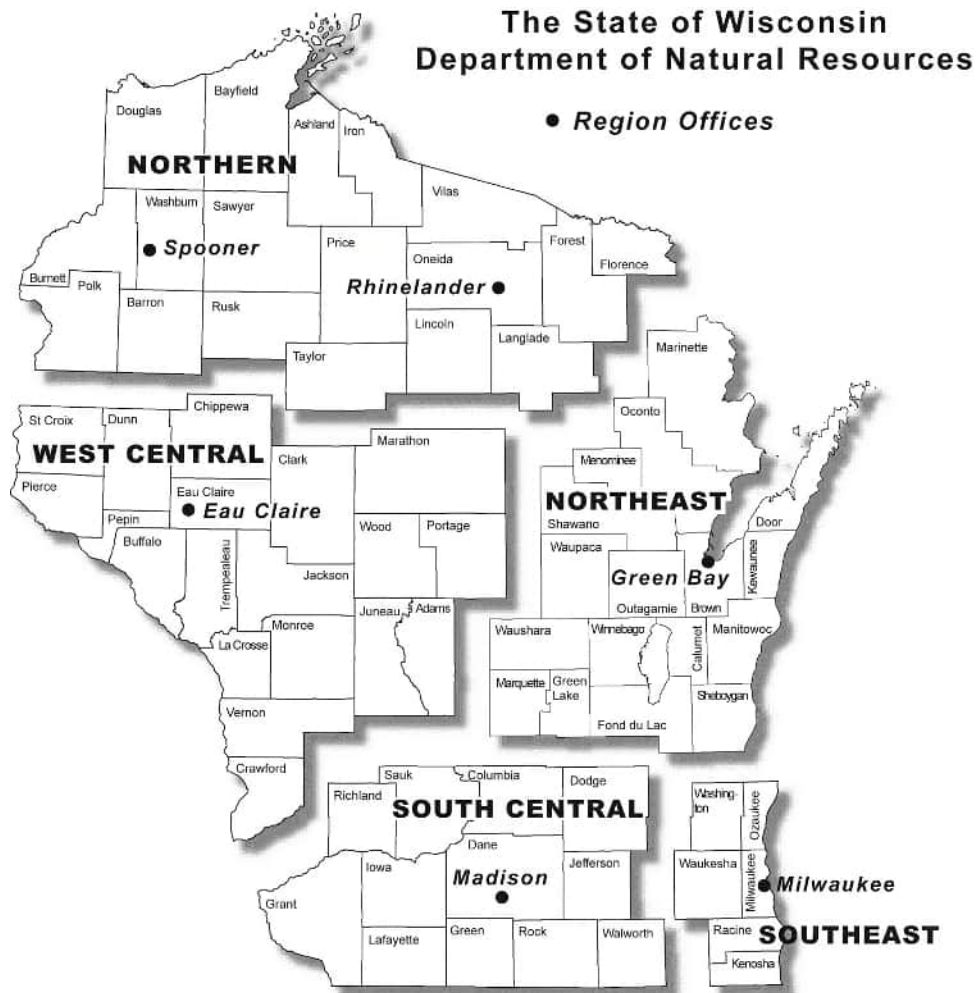
Attn: RR Program Assistant  
Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg WI 53711

### DNR SOUTHEAST REGION

Attn: RR Program Assistant  
Milwaukee DNR Office  
1027 West St. Paul Ave  
Milwaukee WI 53233

### DNR WEST CENTRAL REGION

Attn: RR Program Assistant  
Department of Natural Resources  
1300 Clairemont Ave.  
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		



332 W. Superior Street  
Suite 600  
Duluth, MN 55802

**P** (218) 722-3915  
**TF** (800) 777-7380  
**F** (218) 722-4548

[www.msa-ps.com](http://www.msa-ps.com)

July 27, 2020

Jon Harris, Director of Forestry and Natural Resources  
Douglas County Forestry Department  
9182 East Hughes Avenue  
Solon Springs, Wisconsin 54873

Re: Solon Springs Property Development  
Former Smith's Union 76 Station  
11427 South Business Highway 53, Solon Springs, WI  
BRRTS #03-16-000069

Dear Mr. Harris:

Thank you for the opportunity to provide a proposal for environmental and engineering services for the Solon Springs Property Development project at the former Smith's Union 76 Station (BRRTS #03-16-000069) site located at 11427 South Business Highway 53, Solon Springs, Douglas County, Wisconsin.

MSA understands that it is Douglas County Forestry Department's desire to purchase the property and convert it to additional parking space for its existing office. This process would involve the purchase of the property, structure demolition and minor regrading of the lot and resurfacing. The property is a former gas station leak site (closed) with continuing obligations which include the management of residual soil contamination for the protection of human health and the environment.

## BACKGROUND INFORMATION

The former Smith's Union 76 Station (former fueling station) is a closed Bureau for Remediation and Redevelopment Tracking System (BRRTS) site with continuing obligations, including:

- Groundwater contamination above Wis. Admin. Code ch. NR 140 enforcement standards;
- Residual soil contamination;
- A monitoring well which has not been abandoned (lost at time of closure); and
- A cap maintenance plan with concrete/asphalt to be maintained.

Prior to redevelopment activities taking place and throughout the duration of site redevelopment, environmental oversight tasks will be necessary to maintain compliance with DNR requirements. Expected environmental tasks include:

- Prepare DNR post-closure modification request form (Form 4400-237) and submit for DNR review and approval prior to site work;
- Perform asbestos and regulated waste inspection of on-site building prior to demolition activities;
- Oversee onsite demolition and soil management tasks, including excavation, segregation of contaminated soils and characterization of soils for landfill disposal; and



Jon Harris, Director of Forestry and Natural Resources  
Douglas County Forestry Department  
July 27, 2020

- Document on-site changes, prepare revised cap maintenance plan and submit to DNR to be recorded in the site BRRTS file.

It is unclear at this time whether a post-closure modification fee will be required. If required, this fee will total \$1,700 payable to the Wisconsin Department of Natural Resources.

There is an on-site monitoring well which could not be located prior to WDNR closure of the site. If the previously lost monitoring well is encountered during site redevelopment activities, it will need to be properly abandoned with documentation submitted to the DNR. MSA would coordinate and complete this effort during ongoing site work.

## COST ESTIMATE

The cost to complete the site development environmental oversight and engineering design/specifications for the project based on the above scope of work is detailed below:

### **Environmental Costs**

#### Post-Closure Modification Request Form

- 2 hours @ \$150/hr \$300.00
  - 6 hours @ \$100/hr \$600.00
  - 2 hours @ \$75/hr \$150.00
- SUBTOTAL: \$1,050.00

#### Onsite Soil Management/Characterization/Disposal/Well Abandonment Documentation

- 12 hours @ \$100/hr \$1,200.00
  - One laboratory sample @ \$250.00/sample
- SUBTOTAL: \$1,450.00

#### Cap Maintenance Plan Revisions

- 2 hours @ \$150/hr \$300.00
  - 8 hours @ \$100/hr \$800.00
  - 4 hours @ \$75/hr \$300.00
- SUBTOTAL: \$1,400.00

#### Environmental Project Management/DNR Correspondence

- 4 hours @ \$150/hr \$600.00
  - 2 hours @ \$100/hr \$200.00
- SUBTOTAL: \$800.00

Jon Harris, Director of Forestry and Natural Resources  
Douglas County Forestry Department  
July 27, 2020

Pre-Demolition Asbestos/Regulated Waste Assessment (Subcontracted by Twin Ports Testing)

- Onsite Inspection \$990.00
  - Asbestos Samples \$414.00
  - Reporting \$360.00
  - Mileage \$51.00
  - Project Management \$90.00
- SUBTOTAL: \$1,905.00

**ENVIRONMENTAL SUBTOTAL:** \$6,605.00

**Engineering Costs**

- Surveying \$4,200.00
- Civil Design \$3,200.00
- Bidding \$615.00

**ENGINEERING SUBTOTAL:** \$8,015.00

**ENVIRONMENTAL AND ENGINEERING SITE DEVELOPMENT TOTAL:** \$14,620.00

Potential DNR Post-Closure Modification Fee: \$1,700.00

**Subcontracted Costs**

Based on general engineering cost estimating tools, MSA anticipates the contractor-related costs for the building demolition to be approximately \$15,000. Site preparation and blacktop resurfacing costs will depend on the area to be paved and the asphalt thickness. These costs have not been included with this estimate, but asphalt work will need to be completed before the cap maintenance plan and post-closure modification may be submitted to the DNR.

As exact contaminated soil disposal volumes are unknown, we are not able to provide a cost for this portion of the project, however, current landfill disposal and hauling costs would be in the \$50 to \$60 per ton range. Based on a conservative estimate of soil possibly requiring removal prior to resurfacing (approximately 75 cubic yards), a budgeting value to account for this cost would be \$6,500.00.

Estimated Subcontracted Costs (excluding asphalt) \$21,500.00

## SCHEDULE

MSA is prepared to begin work on this project immediately. Following your authorization to proceed, MSA will begin the preparation and submittal of the Post-Closure Modification Request

Page 4

Jon Harris, Director of Forestry and Natural Resources  
Douglas County Forestry Department  
July 27, 2020

form to be approved by the DNR. Site work start time would depend on when DNR approval was received (expected within 30 days of plan submittal).

MSA appreciates the opportunity to provide you with this proposal and is looking forward to working with you on the successful completion of your project. If you have any questions or concerns regarding this proposal, feel free to contact me at (218) 499-3175.

Sincerely,

MSA Professional Services, Inc.

A handwritten signature in cursive script that reads "Jeff K. Anderson".

Jeff Anderson, P.E.  
Team Leader

EAK:JKA



332 W. Superior Street  
Suite 600  
Duluth, MN 55802

**P** (218) 722-3915  
**TF** (800) 777-7380  
**F** (218) 722-4548

[www.msa-ps.com](http://www.msa-ps.com)

August 13, 2021

**Re: Solon Springs Retaining Wall and Parking Lot Paving Request for Proposals Former Smiths Union 76 Station  
11427 South Business Highway 53, Solon Springs, WI**

Dear Contractor:

MSA Professional Services, Inc. (MSA) on behalf of the Douglas County Forestry Department, is currently soliciting proposals for construction of a retaining wall, pavement removal and re-paving, and turf restoration at 11427 South Business Highway 53 in Solon Springs, Douglas County, Wisconsin (PIN SS-181-00505-00).

The general scope of work will consist of:

- Construction of a new reinforced concrete wall (approximate 4' high x 15' long) to be connected to an existing concrete wall, rock facing added to all vertical surfaces, removal of bituminous and concrete pavement (approximately 4800 SF), repaving the parking area (approx. 4800 SF), and restoration of turf areas.

All work is to start as soon as contractual arrangements can be finalized and be completed on or before **October 29, 2021**. Alternate 1 will include all the same requirements with an extended completion date of **June 17, 2022** and should include an applicable credit or increase to the base project amount.

If interested, please provide two total single lump sum cost proposals to Douglas County Forestry Department to complete all work herein described for both the (1) base project and (2) extended completion date project by **4:30 PM, August 27, 2021**. Proposals should be submitted on the attached bid proposal form, signed by a fully authorized company representative and sent to:



**Douglas County Forestry Department**  
**Attn: Jon Harris**  
**9182 East Hughes Avenue**  
**PO Box 211**  
**Solon Springs, WI 54873**

Email proposals are acceptable and should be sent to: [jon.harris@douglascountywi.org](mailto:jon.harris@douglascountywi.org).

All proposals must be received by **4:30PM, Friday, August 27, 2021**.

For further information regarding this RFP, please contact Jon Loye at (218) 499-3176 or [jloye@msa-ps.com](mailto:jloye@msa-ps.com)

Sincerely,  
MSA Professional Services, Inc.

A handwritten signature in blue ink, appearing to read "Jon Loye".

Jon Loye, P.E.  
Sr. Project Manager

Attachments:  
Construction planset



June 25, 2020

BACHAND GROUP INC  
722 TOWER AVE  
SUPERIOR WI 54880

BACHAND ESTATES LLP  
ATTN: ADAM BACHAND  
722 TOWER AVE  
SUPERIOR WI 54880

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

SUBJECT: Final Case Closure with Continuing Obligations  
Smith's Union 76 Station (Former)  
11427 South Business Highway 53, Solon Springs, Wisconsin  
DNR BRRTS Activity #03-16-000069  
FID #816029940

Dear Mr. Bachand:

The Department of Natural Resources (DNR) considers the Smith's Union 76 Station (Former) site closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you. Certain continuing obligations also apply to affected property owners or rights-of-way holders. These are identified within each continuing obligation.

This final closure decision is based on the correspondence and data provided and is issued under Wis. Admin. Code chs. NR 726 and 727. The DNR Northern Region (NOR) Closure Committee (Closure Committee) reviewed the request for closure on May 21, 2020. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. A request for remaining actions needed was issued by the DNR on May 28, 2020, and documentation that the conditions in that letter were met was received on June 11, 2020.

The former Smith's Union 76 Station property has been investigated for discharges of hazardous substances, environmental pollution or both (the contamination) from the former underground storage tanks (USTs). Case closure under Wis. Admin. Code ch. NR 726 is granted for the contaminants analyzed during the site investigation, as documented in the DNR site file. The site investigation and remedial action soil and groundwater contamination. The site is presently vacant but was used recently as a realtor's office and formerly as a gas station. 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 Wis. Admin. Code ch. NR 140, enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Monitoring well MW-7 was not located and must be properly filled and sealed if found.
- Concrete and/or asphalt must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.

The enclosed 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 online at [dnr.wi.gov](http://dnr.wi.gov) and search “RR-819”.

### DNR Database

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) online at [dnr.wi.gov](http://dnr.wi.gov) and search “BOTW”, 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, at [dnr.wi.gov](http://dnr.wi.gov) and search “RRSM”.

The DNR’s approval prior to well construction or reconstruction is required in accordance with Wis. Admin. Code § NR 812.09 (4) (w). 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 [dnr.wi.gov](http://dnr.wi.gov) and search “3300-254”.

All site information is also on file at the DNR’s Northern Region office at 107 Sutliff Avenue, Rhinelander, Wisconsin. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BOTW.

### Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where concrete and/or asphalt is required, as shown on the attached Figure D.2 Location Map (Cap), prepared by METCO and dated July 8, 2019, unless prior written approval has been obtained from the DNR:

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

### Closure Conditions

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

may take enforcement action under Wis. Stat. § 292.11, to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications and inspection reports (if required) in accordance with the following requirements to:

Department of Natural Resources  
Attn: Remediation and Redevelopment Program Environmental Program Associate  
107 Sutliff Avenue  
Rhinelander, Wisconsin 54501

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140, NR 812)

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached Figure B.3.b. Groundwater Isoconcentration (3/21/19), prepared by METCO and dated July 8, 2019. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way (ROW) holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW owners for the Canadian National Railroad, the Wisconsin Department of Transportation, and the Village of Solon Springs rights-of-way.

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

Soil contamination remains in the area of the former UST bed location and extending to the east into Business Highway 53 (Main Street) and Hughes Avenue ROW as indicated on the attached Figure B.2.b. Residual Soil Contamination, prepared by METCO and dated July 8, 2019. If soil in the specific locations described above is excavated in the future, the property owner or ROW holder 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 or ROW holder 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 Wis. Admin. Code ch. NR 718, with prior DNR approval. This continuing obligation also applies to the ROW holders for Hughes Avenue and Business Highway 53 (Main Street).

In addition, all current and future owners and occupants of the property and ROW holders 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.

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

Monitoring Wells that could not be Properly Filled and Sealed (Wis. Admin. Code ch. NR 141)

Monitoring well MW-7 located on Canadian National Railroad ROW shown on the attached Figure B.3.d. Monitoring Wells, prepared by METCO and dated July 8, 2019, could not be properly filled and sealed because it was missing. Your consultant made a reasonable effort to locate the well and to determine whether it was properly filled and sealed but was unsuccessful. You may be held liable for any problems associated with the monitoring wells if they create a conduit for contaminants to enter groundwater. If any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located is required to notify the DNR, to properly fill and seal the wells and to submit the required documentation to the DNR. This continuing obligation applies to the ROW holders for Railroad Street.

Cover or Barrier (Wis. Stat. § 292.12 (2) (a), Wis. Admin. Code § NR 726.15, § NR 727.07)

The pavement that exists in the location shown on the attached Figure D.2 Location Map (Cap), shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that violate the groundwater quality standards in Wis. Admin. Code ch. NR 140, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

The cover approved for this closure was designed to be protective for a commercial or industrial use setting. Before using the property for residential purposes, you must notify the DNR at least 45 days before taking an action, to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. Before removing or replacing the cover, you must notify the DNR at least 45 days before taking an action. The replacement or modified cover or barrier must be protective of the revised use of the property and must be approved in writing by the DNR prior to implementation. A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the use of the property were to change such that a residential exposure would apply. This may include, but is not limited to, single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single-family residence.

The attached D.1 Description of Maintenance Action(s) Cap Maintenance Plan and inspection log (DNR form 4400-305) are to be kept up-to-date and on-site. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

PECFA Reimbursement

Per Wis. Stat. § 292.63 (2) (ac), a claim for Petroleum Environmental Cleanup Fund Award (PECFA) reimbursement must be submitted within 180 days of incurring costs, or by June 30, 2020, whichever comes first, or the costs will not be eligible for PECFA reimbursement.

In addition, Wis. Stat. § 292.63 (4) (cc) requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site, or by June 30, 2020, whichever comes first, or interest costs will not be eligible for PECFA reimbursement.

In Closing

Please be aware that the case may be reopened pursuant to Wis. Admin. Code § NR 727.13, 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 Wis. Stat. § 292.15, 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 Barbara J. Flietner at 715-762-1351, or at [Barbara.Flietner@Wisconsin.gov](mailto:Barbara.Flietner@Wisconsin.gov). You can also contact me at 715-685-2920 or by email at [Christopher.Saari@Wisconsin.gov](mailto:Christopher.Saari@Wisconsin.gov).

Sincerely,



Christopher A Saari  
Northern Region Team Supervisor  
Remediation and Redevelopment Program

Enclosure: Continuing Obligations for Environmental Protection, DNR Publication RR-819

Attachments:

- B.3.b. Groundwater Isoconcentration (3/21/19), METCO, July 8, 2019
- B.2.b. Residual Soil Contamination, METCO, July 8, 2019
- B.3.d. Monitoring Wells, METCO, July 8, 2019
- D.2 Location Map (Cap), METCO, July 8, 2019
- D.1 Cap Maintenance Plan, METCO, July 10, 2019

cc: DOT HazMat Unit (via email)  
Ron Anderson – METCO (via email)  
Barb Flietner – DNR Park Falls (via email)

**B.2.b. RESIDUAL SOIL CONTAMINATION**  
**SMITH'S UNION 76 STATION**

300 Caliente Street, Suite 3  
 La Crosse, WI 54603  
 Tel: (608) 785-8877  
 Fax: (608) 785-8883

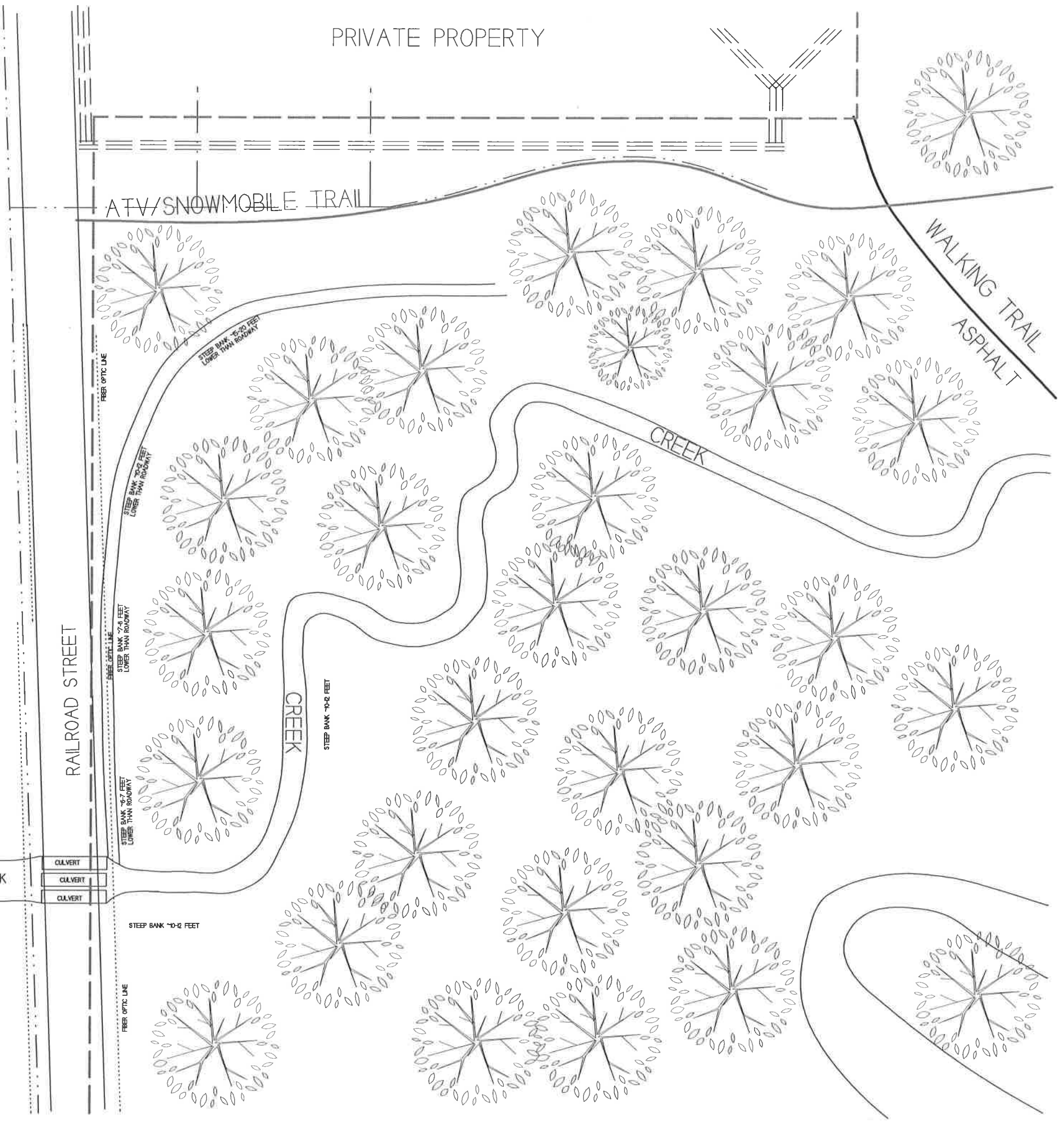
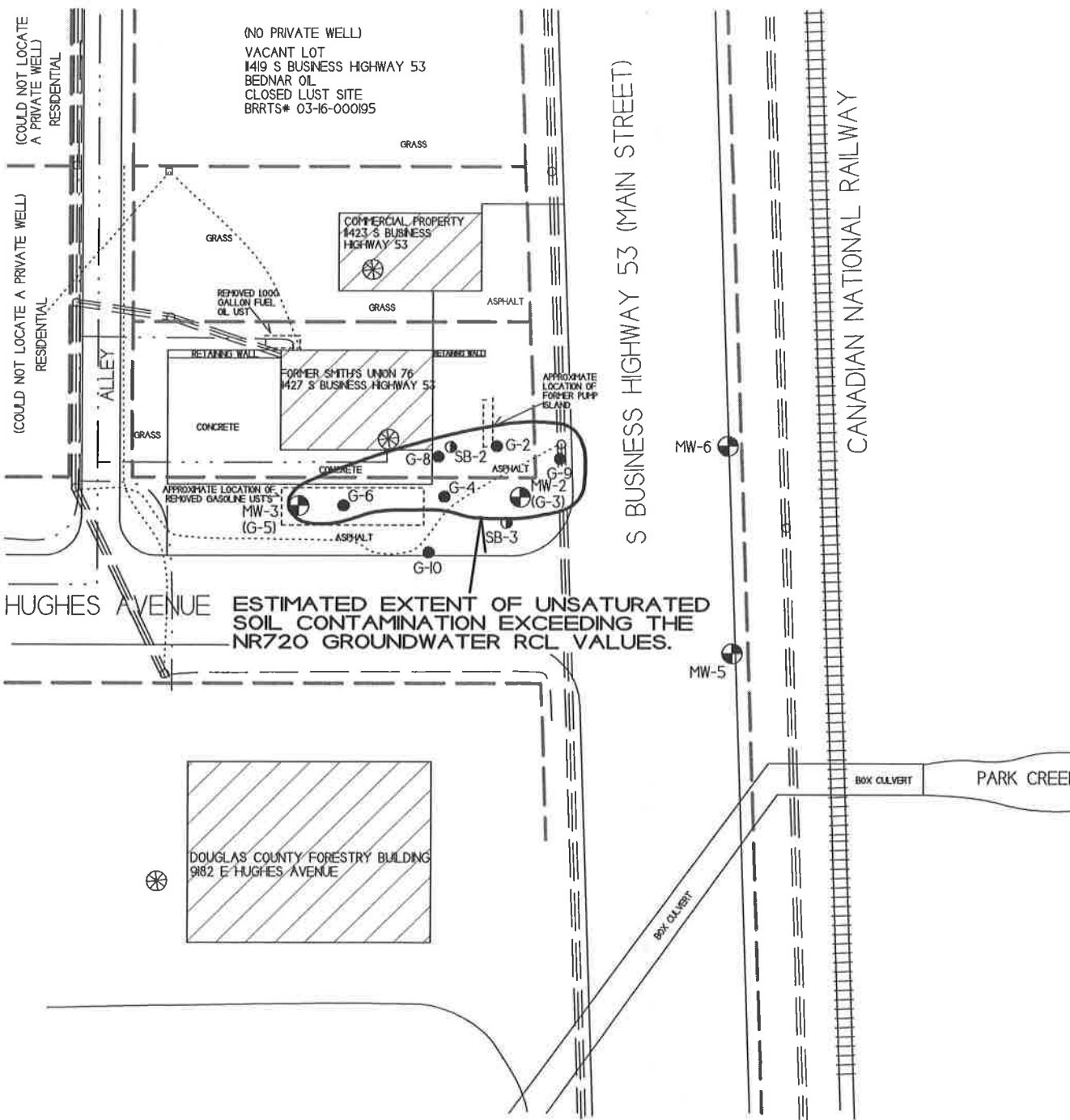
**METCO**

SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATE: 06/27/2010  
 UPDATED BY: JF DATE: 07/08/2010

- - MONITORING WELL LOCATION
- - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- - GEOPROBE BORING LOCATION
- - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION

- ==== - OVERHEAD LINES
- - BURIED ELECTRIC
- ..... - TELEPHONE LINE
- - NATURAL GAS
- - SANITARY SEWER
- - PROPERTY LINE



**B.3.b. GROUNDWATER ISOCONCENTRATION (3/21/19)**  
**SMITH'S UNION 76 STATION**

**METCO**  
 709 Columbia Street, Suite 3  
 La Crosse, WI 54601  
 Tel: (608) 785-8877  
 Fax: (608) 785-8878

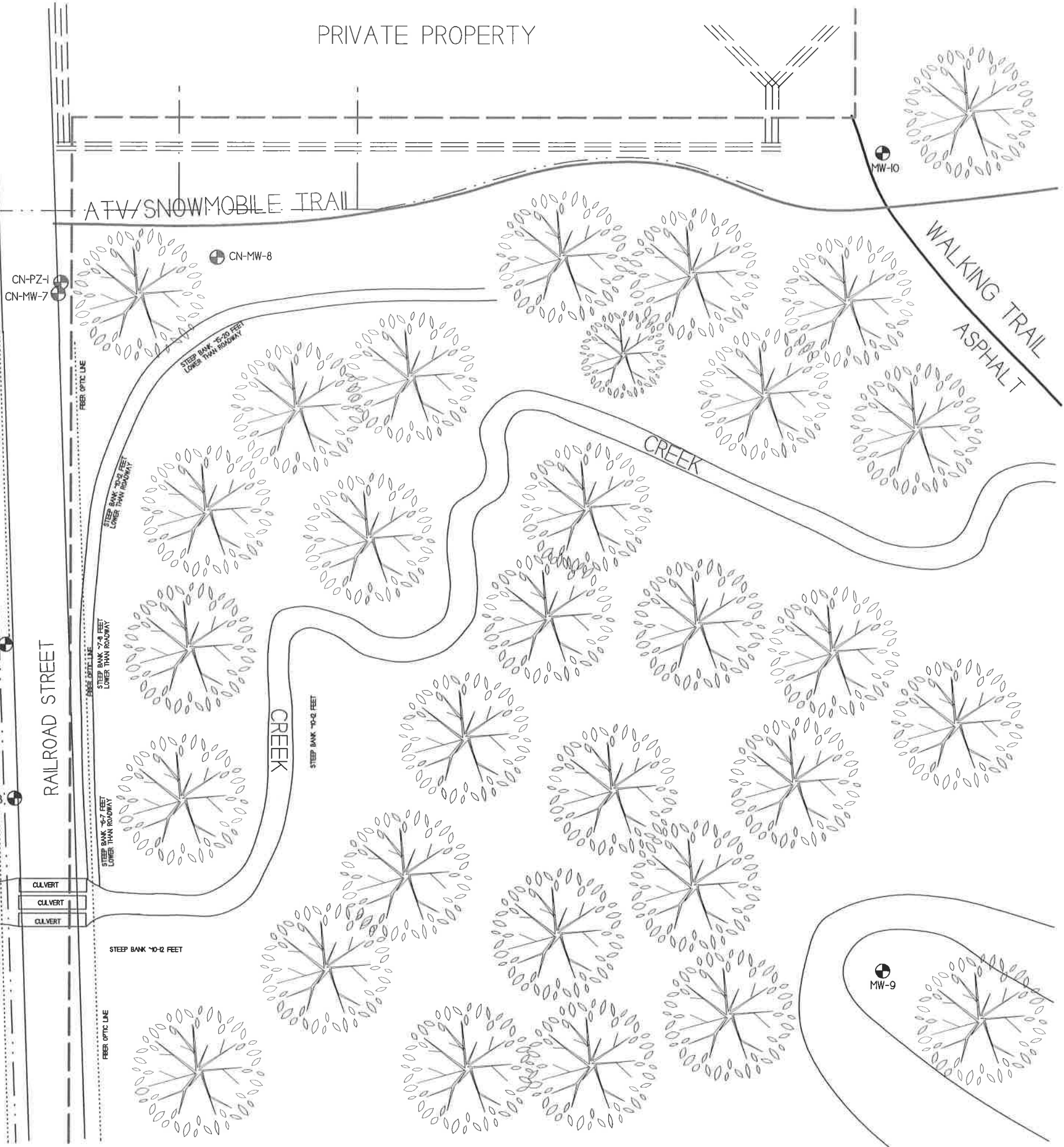
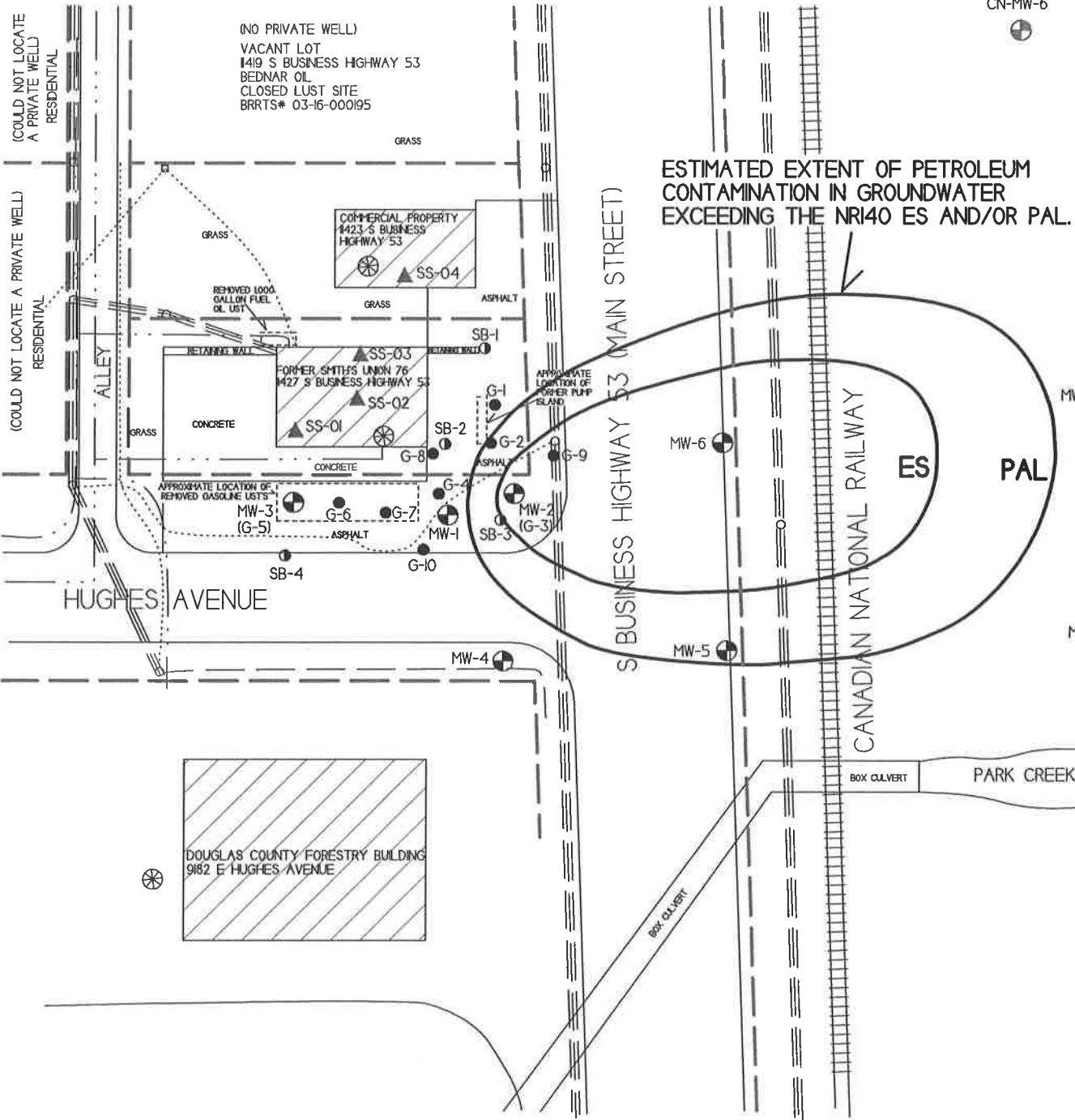
**SOLON SPRINGS, WISCONSIN**  
 DRAWN BY: RD DATE: 08/27/2018  
 UPDATED BY: RF DATE: 07/26/2019

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

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE




- ⊕ - MONITORING WELL LOCATION
- ⊕ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- - GEOPROBE BORING LOCATION
- ⊙ - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION



**B.3.d. MONITORING WELLS**


**SMITH'S UNION 76 STATION**






309 Oakleaf Street, Suite 1  
Le Cross, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8892



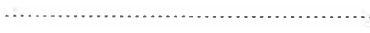



SOLON SPRINGS, WISCONSIN

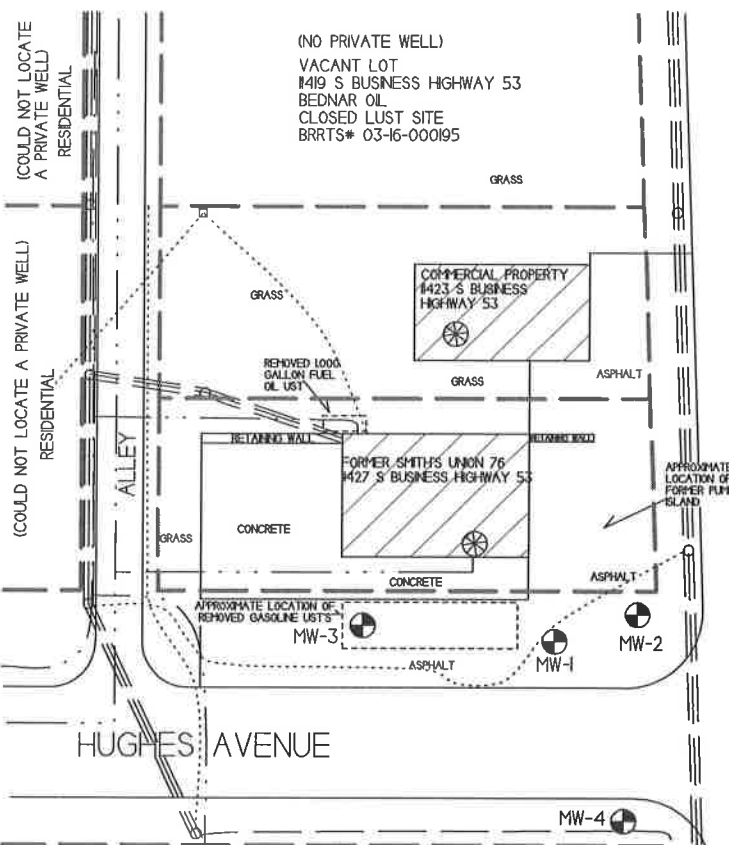
DRAWN BY: ED DATE: 08/27/2008  
UPDATED BY: RF DATE: 07/08/2008



-  - MONITORING WELL LOCATION (PROPOSED TO BE ABANDONED)
-  - MONITORING WELL LOCATION (MISSING/DESTROYED)
-  - POTABLE WELL LOCATION



-  - OVERHEAD LINES
-  - BURIED ELECTRIC
-  - TELEPHONE LINE
-  - NATURAL GAS
-  - SANITARY SEWER
-  - PROPERTY LINE



S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

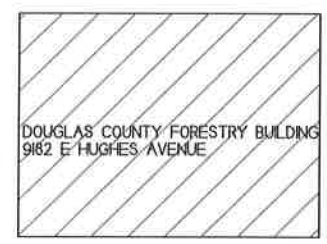
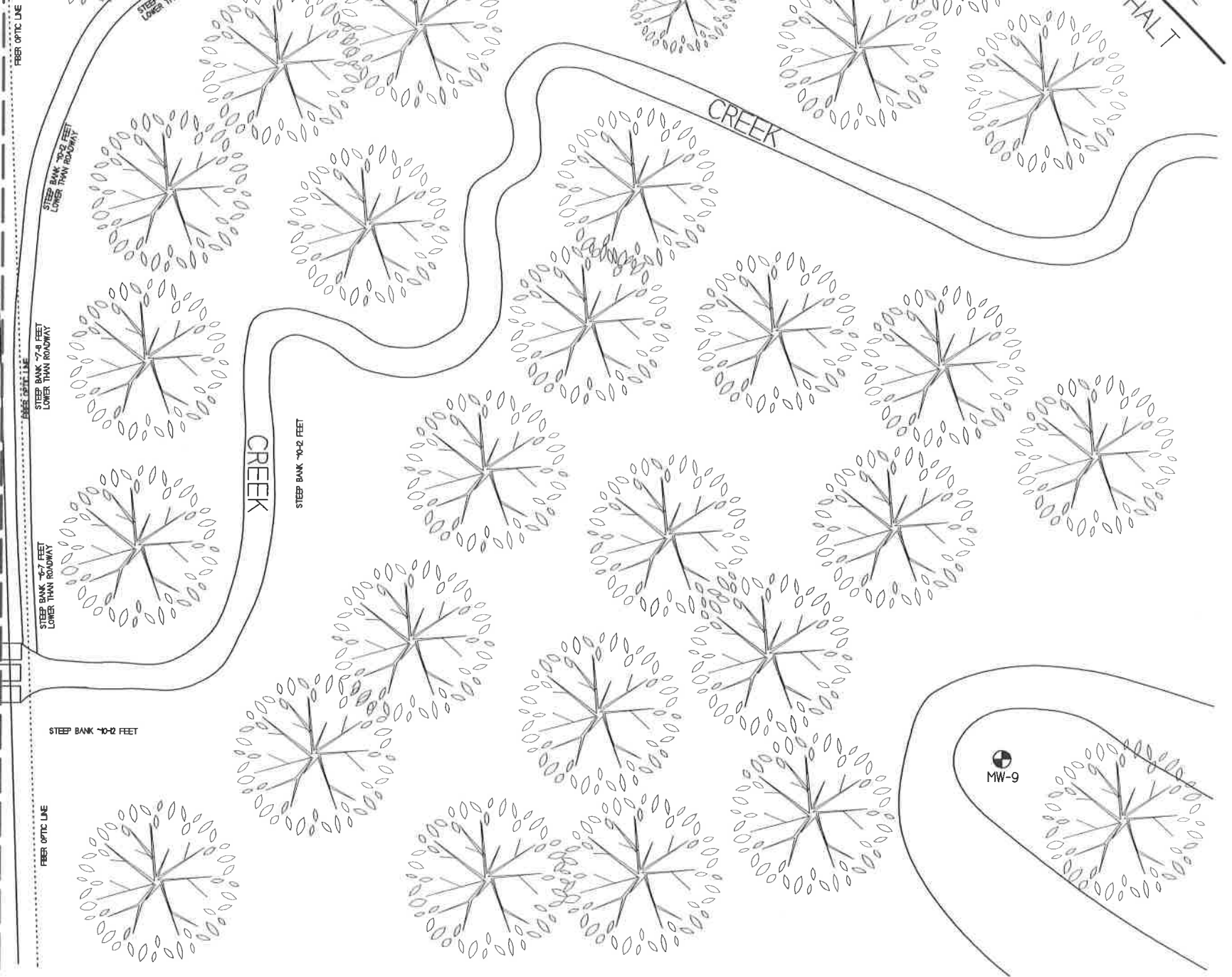
RAILROAD STREET

PARK CREEK

PRIVATE PROPERTY

ATV/SNOWMOBILE TRAIL

WALKING TRAIL  
ASPHALT



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

### CAP MAINTENANCE PLAN

July 10, 2019

Property Located at:  
11427 S Bus Hwy 53  
Solon Springs, WI 54873

WDNR BRRTS# 03-16-000069  
FID# 816029940

TAX KEY# SS-181-00505-00

#### Introduction

This document is the Maintenance Plan for a concrete and asphalt cover 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 concrete and asphalt cover which addresses or occupies the area over the contaminated groundwater plume or soil.

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

- The case file in the DNR Northern 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 Douglas County.

#### Description of Contamination

Unsaturated soil contaminated by Lead, Benzene, Ethylbenzene, Naphthalene, Trimethylbenzenes, and Xylene is located at a depth of 3.5-15 feet below ground surface in the area of the former UST systems. Groundwater contamination by Benzene, Ethylbenzene, Naphthalene Trimethylbenzenes, and Xylene is located at a depth of 14-15.5 feet below ground surface and was found in the area of the removed UST systems. The extent of the soil and groundwater contamination is shown on Attachment D.2.

#### Description of the Cap to be maintained

The cover consists of 4-6 inches of concrete and/or 2-3 inches of asphalt, which covers the area of the former UST systems, as shown on the attached map (Attachment D.2.).

### Cover Barrier Purpose

The concrete and asphalt cover over the contaminated soil serves as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

### Annual Inspection

The concrete and asphalt cover 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, cracks, potholes and other potential problems that can cause exposure to underlying soils through the concrete or asphalt. 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 concrete and asphalt cover overlying the contaminated soil and groundwater 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 concrete and asphalt cover, 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 concrete or asphalt cover is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; or 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.


### 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  
July 2019

**Current Site Owner and Operator:**

Adam Bachand  
722 Tower Avenue  
Superior, WI 54880  
(715) 394-6637

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

**Consultant:**

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


**WDNR:**

Chris Saari  
2501 Golf Course Road  
Ashland, WI 54806  
(715) 685-2920



D.2 LOCATION MAP (CAP)


SMITH'S UNION 76 STATION



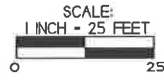
709 Collette Street, Suite 3  
La Crosse, WI 54602  
Tel: (608) 781-8679  
Fax: (608) 781-8653













SOLON SPRINGS, WISCONSIN

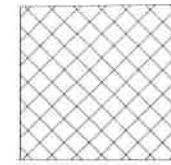
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UPDATED BY: JF DATE: 07/08/2008



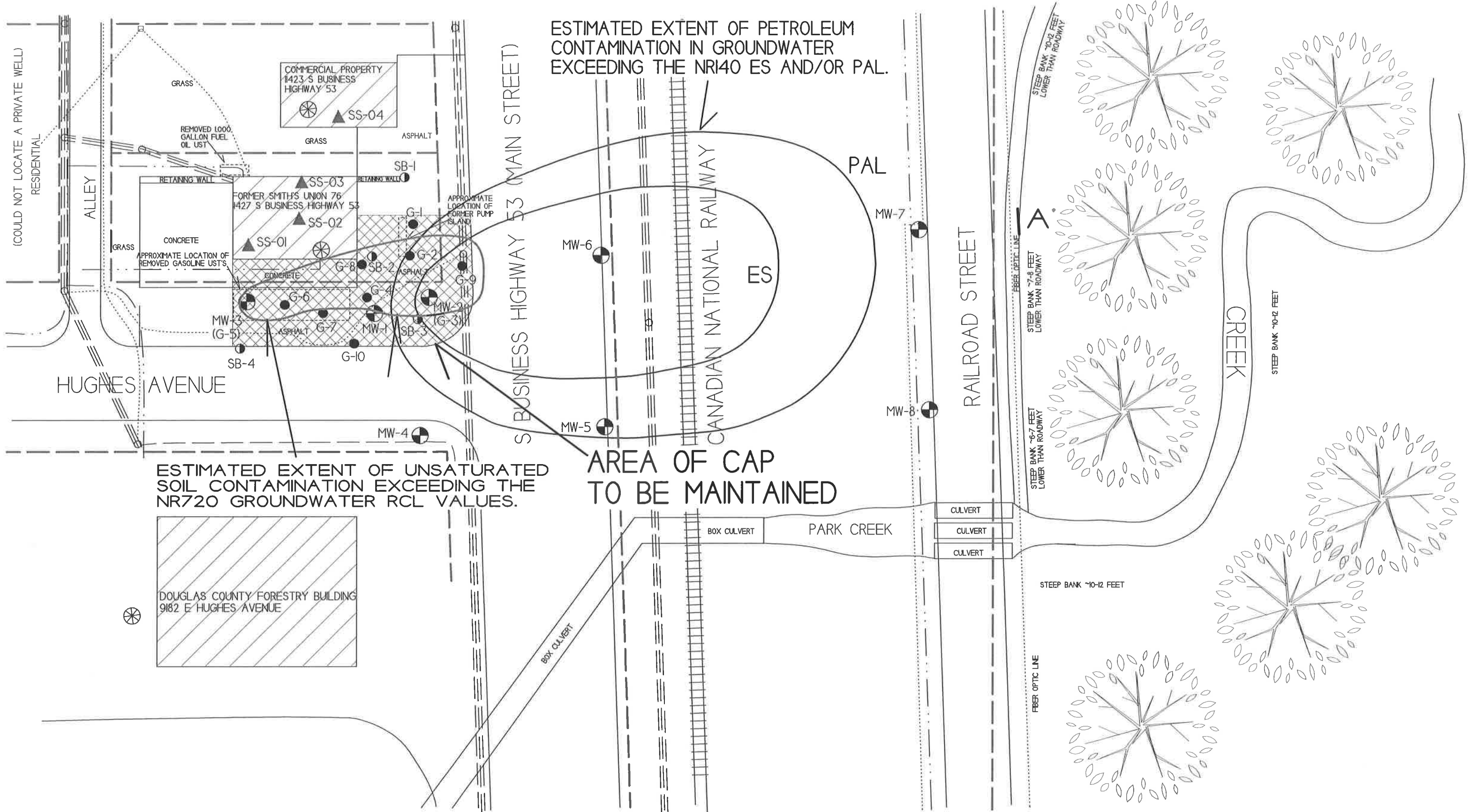
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER



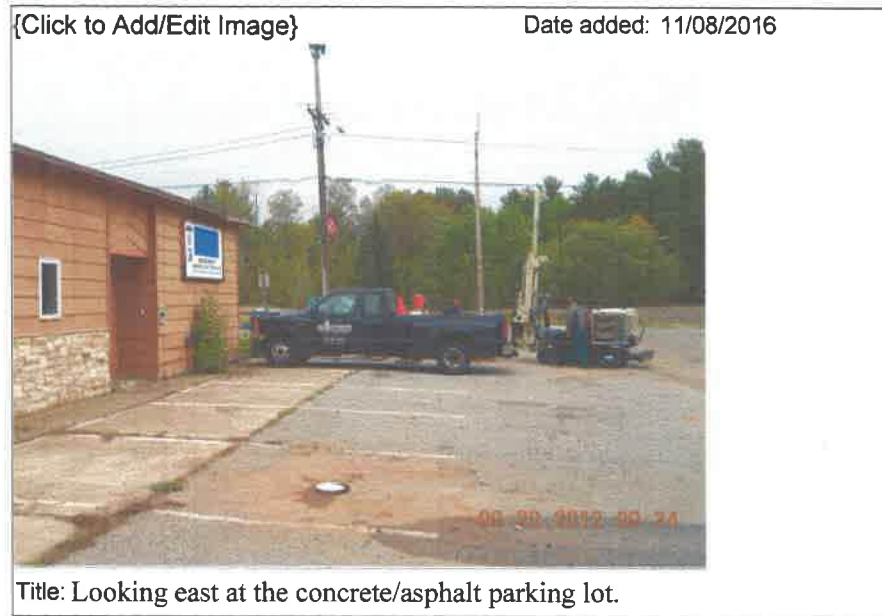
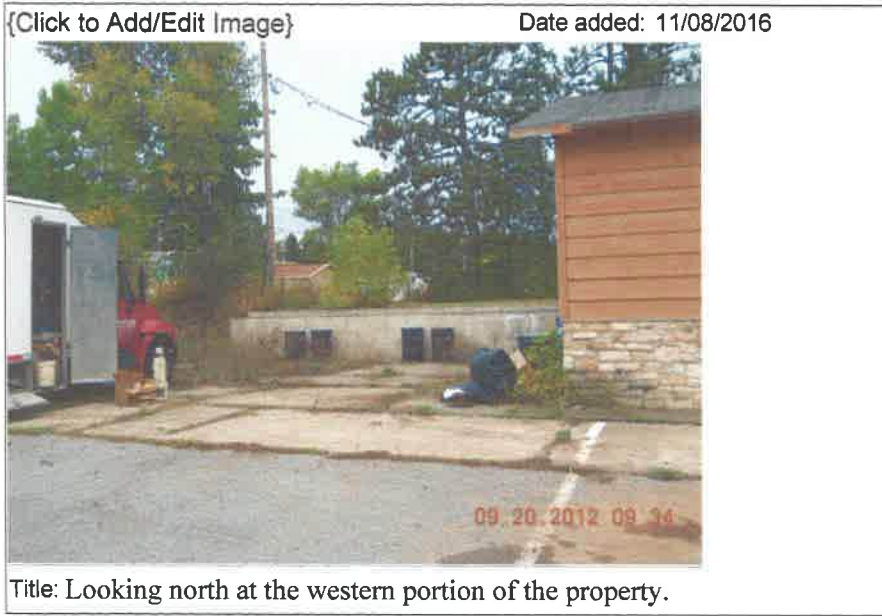
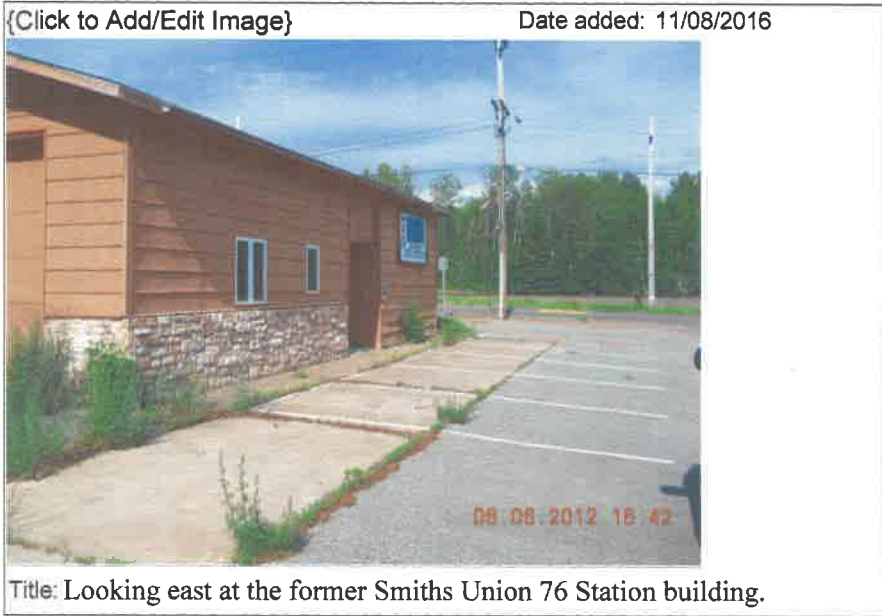
-  - OVERHEAD LINES
-  - BURIED ELECTRIC
-  - TELEPHONE LINE
-  - NATURAL GAS
-  - SANITARY SEWER
-  - PROPERTY LINE
-  - MONITORING WELL LOCATION
-  - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
-  - GEOPROBE BORING LOCATION
-  - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
-  - SUB SLAB VAPOR SAMPLING LOCATION
-  - POTABLE WELL LOCATION



= AREA OF CAP TO BE MAINTAINED



# D.3 Photographs



# D.4 Inspection Log

**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 <b>Smith's Union 76 Station (former)</b>	BRRTS No. <b>03-16-000069</b>
--	----------------------------------

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):

**christopher.saari@wisconsin.gov**

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:			○ Y ○ N	○ Y ○ N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			○ Y ○ N	○ Y ○ N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			○ Y ○ N	○ Y ○ N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			○ Y ○ N	○ Y ○ N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			○ Y ○ N	○ Y ○ N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other:			○ Y ○ N	○ Y ○ N



May 28, 2020

MR ADAM BACHAND  
BACHAND GROUP  
722 TOWER AVE  
SUPERIOR WI 54880

SUBJECT: Remaining Actions Needed for Case Closure under Wis. Admin. Code chs. NR 700-754  
Former Smith's Union 76, 11427 South Business Highway 53, Solon Springs, Wisconsin  
DNR BRRTS Activity #03-16-000069

Dear Mr. Bachand:

On May 21, 2020, the Department of Natural Resources (DNR) reviewed your request for closure of the case described above. The DNR reviews environmental remediation cases for compliance with applicable local, state and federal laws. The following actions are required prior to the DNR granting you case closure in compliance with Wis. Stat. ch. 292 and Wis. Admin. Code chs. NR 700-754. Upon completion of these actions, closure approval will be provided. Pursuant to Wis. Admin. Code § NR 726.09 (2) (g), you are required to provide this information to the DNR within 120 days of the date of this letter.

### **Remaining Actions Needed**

#### Monitoring Well or Remedial System Piping Filling and Sealing

The monitoring wells at the site (with the exception of any wells which are approved by the DNR for continued monitoring at the adjacent Solon Springs Investigation site, BRRTS Activity #03-16-000322) must be properly filled and sealed in accordance with Wis. Admin. Code ch. NR 141. Documentation of filling and sealing for all wells and boreholes must be submitted to Barbara Flietner on DNR Form 3300-005. To download the form, go online at [dnr.wi.gov](http://dnr.wi.gov) and search "form 3300-005".

#### Purge Water, Waste and/or Soil Pile Removal

Any remaining purge water, solid waste and/or contaminated soil piles generated as part of site investigation or remediation activities must be removed from the site and properly managed in accordance with the applicable local, state and federal laws. Once that work is complete, send documentation to the DNR regarding the methods used for appropriate treatment or disposal of the remaining purge water, solid waste and/or contaminated soil.

### **Documentation**

When the required actions are completed, submit the appropriate documentation within 120 days of the date of this letter, to verify completion. At that point, your closure request can be approved, and your case can be closed.

The submittal of both an electronic and paper copy are required in accordance with Wis. Admin. Code s. NR 726.09 (1). See *Guidance for Electronic Submittals for the Remediation and Redevelopment Program, RR- 690* for additional information. To view the document online, go to [dnr.wi.gov](http://dnr.wi.gov) and search "RR 690".

**Listing on Database**

This site will be listed on the DNR's Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) and RR Sites Map, to provide public notice of remaining contamination and continuing obligations. The continuing obligations will be specified in the final case closure approval letter sent to you. Information that was submitted with your closure request application will be included on BOTW, located online at [dnr.wi.gov](http://dnr.wi.gov) and search "BOTW".

**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 case closure.

If you have any questions regarding this letter, please contact the project manager, Barbara J. Flietner, at 715-762-1351 (cell 715-820-0283) or [Barbara.Flietner@wisconsin.gov](mailto:Barbara.Flietner@wisconsin.gov).

Sincerely,



Christopher A. Saari  
Northern Region Team Supervisor  
Remediation and Redevelopment Program

cc: Ron Anderson – METCO (via email)  
Barb Flietner – DNR Park Falls (via email)

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

**For: Smith's Union 76**  
**BRRTS # 03-16-000069**

**May 7, 2020**



*Excellence through experience™*

## **Table of Contents**

**WDNR Case Summary and Case Closure – GIS Registry Form**

**Attachment A/Data Tables**

**Attachment B/Maps, Figures, and Photos**

**Attachment C/Documentation of Remedial Action**

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

**Attachment E/Monitoring Well Information**

**Attachment F/Source Legal Documents**

**Attachment G/Notifications to Owners of Affected Properties**

**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.	VPLE No.		
03-16-000069			
Parcel ID No.			
SS-181-00505-00			
FID No.	WTM Coordinates		
816029940	X 379923	Y 654730	
BRRTS Activity (Site) Name	WTM Coordinates Represent:		
Smiths Union 76 Station (Former)	<input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address	City	State	ZIP Code
11427 S Bus Hwy 53	Solon Springs	WI	54873
Acres Ready For Use	0.14		

Responsible Party (RP) Name			
Adam Bachand			
Company Name			
Bachand Group			
Mailing Address	City	State	ZIP Code
722 Tower Avenue	Superior	WI	54880
Phone Number	Email		
(715) 394-6637	adam@bachandgroup.com		

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

Environmental Consultant Name			
Ron Anderson			
Consulting Firm			
METCO			
Mailing Address	City	State	ZIP Code
709 Gillette Street, Suite 3	La Crosse	WI	54603
Phone Number	Email		
(608) 781-8879	rona@metcohq.com		

**Fees and Mailing of Closure Request**

1. **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#tabx3>. Check all fees that apply:

- \$1,050 Closure Fee       \$300 Database Fee for Soil  
 \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)      Total Amount of Payment \$ \_\_\_\_\_  
 Resubmittal, Fees Previously Paid

2. **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 Smith's Union 76 property, 11427 S Business Hwy 53, is located at the NE 1/4 of the SE 1/4 of Section 26, Township 45 North, Range 12 West, in the Village of Solon Springs, Douglas County, WI. The subject property is located northwest of the intersection of Main Street (S Business Hwy 53) and Hughes Avenue. The site is bound by Main Street (S Business Hwy 53) to the east, Hughes Avenue to the south, a commercial property to the north, and a residence to the west.
- B. **Prior and current site usage:** Specifically describe the current and historic occupancy and types of use.  
The subject property is currently vacant, but was most recently used as a realtor's office. A gas station operated on the property from the 1950's (est.) until 1989.
- 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 Douglas County parcel description, the Smith's Union 76 property located at 11427 S Business Hwy 53, is zoned "G2-Commercial". Surrounding properties are zoned as "G2-Commercial" and "G1-Residential" properties.
- D. **Describe how and when site contamination was discovered.**  
On June 21, 1989, Twin City Testing Corporation (TCT) of Duluth, Minnesota oversaw the removal of the three UST's from the subject property. The UST's had already been removed by the time TCT arrived. TCT personnel collected three soil samples from the bottom of the gasoline UST excavation to be analyzed with an HNU photo-ionization detector (PID). The PID results showed levels ranging from 130 to 150 ppm. The edges were then tested and it was found that the west end was contaminated only in the bottom center. One to two feet of material was removed and the area retested. The samples were then found to show no PID detects. The focus of the excavation was then given to cleaning up the east end of the excavation. PID readings ranging from 50 to 150 ppm were obtained from the sides of the pit and approximately 130 ppm from the bottom of the excavation. Approximately 2 feet of the bottom material was then excavated and the area was retested and found to be 20 ppm. Another 3 feet was then removed and retesting gave PID readings of 500 ppm.
- E. **Describe the type(s) and source(s) or suspected source(s) of contamination.**  
The source of the contamination is from the former UST systems consisting of a 3,000-gallon unleaded gasoline and a 4,000-gallon leaded gasoline.
- 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.**  
There are no other BRRTS activities associated with this property.
- H. **List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.**  
There are currently no BRRTS cases for any immediately adjacent properties.

#### 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.**  
Geologic material in the area of investigation generally consists of tan to brown to gray to orange to red, very fine to coarse grained sand with gravel, and some cobbles noted from the surface to at least 20 feet bgs.
- ii. **Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.**  
No fill or waste deposits were encountered as a part of the site 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 Pre-Cambrian basalt is estimated to exist at approximately 100-200 feet bgs.
- 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).**  
The on-site building is located in the center of the property. A concrete parking area exists to the west of the building and a concrete apron exists to the south of the building. To the east of the building and to the south of the concrete apron is asphalt surface cover. A narrow strip of grass exists immediately to the north of the building and along the western edge 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.

According to data collected from the monitoring wells, the depth to groundwater ranges from 0.95 to 20.79 feet bgs depending on well location and time of year. Free product was encountered in monitoring well MW-6 during four of the sampling rounds, thus affected the water level measurements in this monitoring well. No piezometers are installed at this site. The stratigraphic unit where the water table was found consists of vf-c grained sand.

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

According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property is toward the east to northeast.

We are not currently aware of any existing aquitards or perched water in this area.

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

On November 7, 2013, METCO conducted slug tests on monitoring wells MW-1, MW-3, and MW-5. 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) = 6.61E-03 cm/sec

Transmissivity = 1.28E+00 cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 99.38 m/yr

Monitoring Well MW-3

Hydraulic Conductivity (K) = 6.19E-04 cm/sec

Transmissivity = 1.38E-01 cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 9.29 m/yr

Monitoring Well MW-5

Hydraulic Conductivity (K) = 1.76E-04 cm/sec

Transmissivity = 3.70E-02 cm<sup>2</sup>/sec

Flow Velocity (V=KI/n) = 2.64 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, -3, and -5 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. Four potable private wells were sampled during the investigation.

Private Well (Subject Property) - 11427 S Business Hwy 53

Located inside the on-site building, near the southeast corner. This well exists approximately 12 feet to the north of the former UST systems. (Could not determine the depth of well, due to a 90 degree turn in the piping before heading south out of the building 6 to 7 feet into the ground)

Douglas County Forestry Building - 9182 E Hughes Avenue

The potable well on this property is located approximately 120 feet southwest of the former UST systems. (Well is constructed to 78 feet below ground surface) (See Attachment C for construction documentation)

Commercial Property - 11423 S Business Hwy 53

The potable well on this property is located approximately 60-70 feet north of the former UST systems. (Well construction unknown and is located inside the building)

Lucius Woods County Park

The potable well on this property is located approximately 1,385 feet south east of the former UST systems. (Well is constructed to 64 feet below ground surface) (See Attachment C for construction documentation)

Numerous other private potable wells exist within 1200 feet of the subject property, but none exist directly down gradient of the source.

### 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 June 21, 1989, Twin City Testing Corporation (TCT) of Duluth, Minnesota oversaw the removal of the three UST's from the subject property. The UST's had already been removed by the time TCT arrived. TCT personnel collected three soil samples from the bottom of the gasoline UST excavation to be analyzed with an HNU photo-ionization detector (PID). The PID results showed levels ranging from 130 to 150 ppm. The edges were then tested and it was found that the west end was contaminated only in the bottom center. One to two feet of material was removed and the area retested. The samples were then found to show no PID detects. The focus of the excavation was then given to cleaning up the east end of the excavation. PID readings ranging from 50 to 150 ppm were obtained from the sides of the pit and approximately 130 ppm from the bottom of the excavation. Approximately 2 feet of the bottom material was then excavated and the area was retested and found to be 20 ppm. Another 3 feet was then removed and retesting gave PID readings of 500 ppm. At that point work was stopped until decisions could be made regarding what course of action should be taken to clean up the site. The petroleum contamination was reported to the WDNR, who then required that a LUST investigation be conducted. (Status Report - June 1989)

On October 22, 1990, TCT conducted four soil borings (SB-1 thru SB-4) ranging from 14 to 19 feet below ground surface (bgs). Continuous soil sampling was conducted for HNU screening and one soil sample per boring was submitted for total hydrocarbons as gasoline, BTEX, and Lead analysis. (Status Report - November 1990)

On September 18-20, 2012, METCO supervised the completion of ten soil borings and installation of six monitoring wells (G-1 thru G-10 and MW-1 thru MW-6). Sixty-four soil samples were collected for field and/or laboratory analysis (PID, Lead, GRO, VOC, PVOC, and/or Naphthalene) and nine groundwater samples and three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) were collected for laboratory analysis (PVOC and Naphthalene). (Site Investigation Report - September 2014)

On October 2, 2012, METCO personnel surveyed the on site monitoring wells to feet mean sea level (MSL) and collected groundwater samples from six monitoring wells (MW-1 thru MW-6) for field and laboratory analysis (VOC, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, and Sulfate). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. METCO personnel conducted slug tests on monitoring wells MW-1, MW-3, and MW-5. The Monitoring Well network was also surveyed to feet mean sea level (msl) at this time. (Site Investigation Report - September 2014)

On September 25, 2013, METCO supervised the installation and completion of two monitoring wells (MW-7 and MW-8). Five soil samples were collected from the borings for field analysis (PID). (Site Investigation Report - September 2014)

On October 22, 2013, DKS Transport Services, LLC picked up and properly disposed of 9 drums of investigative waste. (Site Investigation Report - September 2014)

On November 7, 2013, METCO collected groundwater samples from the eight monitoring wells for field and laboratory analysis (VOC, PVOC, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, Sulfate, and/or Naphthalene) and three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) for laboratory analysis (VOC Method 524.2 and Dissolved Lead). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Site Investigation Report - September 2014)

On February 19, 2014, METCO collected groundwater samples from five monitoring wells for field and laboratory analysis (PVOC, Naphthalene, and Dissolved Lead) and one potable well (9182 E. Hughes) for laboratory analysis (Dissolved Lead). Monitoring wells MW-1, MW-4, and MW-8 could not be sampled as they could not be located (due to large snow piles) or could not be accessed (large amount of water over the well). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Site Investigation Report - September 2014)

On May 21, 2014, METCO collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) for field and laboratory analysis (PVOC, Naphthalene, and Dissolved Lead). Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Site Investigation Report - September 2014)

On June 11, 2015, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. During the groundwater

sampling, the flush mount cover for monitoring well MW-4 was ripped out of the ground as it appeared to have been hit by a snow plow. The flush mount was put back in at this time. (Annual Groundwater Monitoring Report - June 2016)

On September 14, 2015, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Annual Groundwater Monitoring Report - June 2016)

On December 10, 2015, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Annual Groundwater Monitoring Report - June 2016)

On March 9, 2016, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) and the on-site private well (11423 S. Business Hwy 53) for PVOC and Naphthalene analysis. Monitoring wells MW-2, MW-5, and MW-6 were also analyzed for Dissolved Lead. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Annual Groundwater Monitoring Report - June 2016)

On May 23, 2018, Professional Service Industries, Inc, of Chippewa Falls, Wisconsin, completed two soil borings which were converted into monitoring wells (MW-9 and MW-10). Nine soil samples were collected from the soil borings for field analysis (PID). Monitoring well MW-9 was drilled and installed to 13 feet bgs. Monitoring well MW-10 was drilled and installed to 30 feet bgs. Upon completion, all wells were properly developed. (Letter Report - November 2018)

On June 4, 2018, Braun Intertec of Duluth, MN installed three sub-slab vapor sampling ports (SS-01, SS-02, and SS-03) in the floor of the on-site building located at 11427 S Business Highway 53 and one sub-slab vapor sampling port (SS-04) in the floor of the building to the north located at 11423 S Business Highway 53. The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 1 1/2-inch outer hole is then drilled to depths ranging from 3/4 -inch to 1-inch, depending on the concrete slab thickness. The holes were cleaned of dust and drilling debris using a shop-vac. A stainless-steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight. (Letter Report - November 2018)

On June 4, 2018, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-02, SS-03, and SS-04) for VOC (TO-15) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. The sub-slab soil vapor sampling results are summarized in the attached data table. (Letter Report - November 2018)

On June 20, 2018, METCO personnel collected groundwater samples from ten monitoring wells for PVOC and Naphthalene (MW-1 thru MW-8) or VOC (MW-9 and MW-10) analysis and three private wells (PW 9182, PW 11427, and PW Cty Park) for VOC analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all monitoring wells. Fauerbach Surveying & Engineering of Hillsboro, WI also properly surveyed all site wells to feet mean sea level (MSL) at this time. METCO was unable to collect a water sample from the private well at 11423 S Business Highway 53 as we could not get a hold of the owner and daycare would not allow us to sample. METCO was also unable to collect a water sample from the private well at 9312 E Main Street due to the occupant not being home and appears vacant. (Letter Report - November 2018)

On September 4, 2018, METCO personnel collected groundwater samples from nine monitoring wells (MW-1 thru MW-7, MW-9 and MW-10) for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. METCO was unable to sample monitoring well MW-8 as the flush mount appeared to have been destroyed by a road grader and the PVC had filled in with gravel. METCO was unable to collect a water sample from the private well at 11423 S Business Highway 53 as we could not get a hold of the owner. METCO was also unable to collect a water sample from the private well at 9312 E Main Street due to the occupant not being home and appears vacant. (Letter Report - November 2018)

On March 21, 2019, METCO personnel collected groundwater samples from seven monitoring wells (MW-1, MW-2, MW-3, MW-5, MW-6, MW-8, and MW-10) for laboratory analysis (PVOC and Naphthalene). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were collected from the sampled monitoring wells. Monitoring wells MW-4, MW-7, and MW-9 could not be located due to snow/ice covering the wells.

The on-site potable well could not be sampled as there was no power to the building. (Case Closure - September 2019)

On March 21, 2019, Braun Intertec collected vapor samples from three of the sub-slab sampling ports (SS-01, SS-03, and SS-04) for VOC (TO-15) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a water dam test was conducted to confirm that the seal is air tight and a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. (Case Closure - September 2019)

On February 19, 2020, METCO collected groundwater samples from three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) for laboratory analysis (VOC Method 524.2). At this time METCO personnel conducted a free product check on monitoring well MW-6, and attempted to locate three missing monitoring wells (MW-4, MW-7, and MW-9). Monitoring wells MW-4 and MW-9 were located, however MW-7 could not be located and was most likely destroyed by a snow plow/road grader. (Attachment C)

- 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.  
Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of-way of Main Street (Business Hwy 53). This soil contamination plume is approximately 30 feet wide at the property boundary, extends up to 15 feet into the right-of-way and is up to 12 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of-way of Hughes Avenue. This soil contamination plume is approximately 70 feet wide at the property boundary, extends up to 13 feet into the right-of-way and is up to 15.5 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of Main Street (Business Hwy 53). This plume extends across the right-of-way (66 feet) and is approximately 70 feet wide at its widest point.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated south into the right-of-way of the Hughes Avenue. This plume extends approximately 23 feet into the right-of-way and is up to 9 feet wide at the property boundary.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of the Canadian National Railway. This plume extends approximately 65 feet into the right-of-way and is up to 72 feet wide at the western side of the property boundary.

- 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 exceeding the NR720 Groundwater RCL values, exists in the area of the removed gasoline UST's and former pump islands. This irregularly shaped area appears to measure up to 95 feet long, 30 feet wide, and up to 15.5 feet thick.

The area of soil contamination appears to intersect a sanitary sewer service line and a telephone line. According to the Village of Solon Springs, the sanitary sewer lines exists at approximately 6 feet bgs. These lines were installed in 1978 and were backfilled with sand. The sanitary sewer line exists approximately 6.5-8 feet above the watertable. The depth at which the telephone line exists is likely less than 3 feet bgs. The telephone line exists approximately 10 feet above the watertable. Based on field and laboratory analysis of soil samples collected near the utility corridors, and that these lines exist at least 6.5-10 feet above the watertable, it does not appear that these are acting as preferential migration pathways for contamination.

Based on the soil analytical results for Geoprobe borings SB-2 and G-8, it appears that petroleum impacted soils are present at depths greater than 4 feet bgs along the eastern side of the on-site slab on grade building.

- 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 Groundwater RCL's include:

G-2-1 (3.5 feet): Lead (41.8 ppm) and Benzene (0.051 ppm).  
G-4-1 (3.5 feet): Benzene (0.042 ppm).

G-5-1 (3.5 feet): Lead (60.2 ppm)  
G-6-1 (3.5 feet): Lead (55 ppm) and Benzene (0.045 ppm).

- 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 G2-Commercial, 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 PAL has formed at the watertable in the area of the removed UST system and has migrated toward the east. This plume is at least 188 feet long and up to 117 feet wide.

This groundwater plume is approximately 146 feet northeast of potable well 9182 E. Hughes Ave., 66 feet southeast of potable well 11423 S. Business Hwy 53, 31 feet southeast of potable well 11427 S. Business Hwy 53, and 1,207 feet northeast of the potable well at the Lucious Woods Co. Park.

A buried telephone line exists in the area of the groundwater contamination plume. Buried telephone lines typically exist within 36 inches of ground surface, therefore, this does not pose a risk as potential migration pathway.

- 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 was first encountered at this site on May 21, 2014 in monitoring well MW-6. During all sampling events, approximately 0.20 cumulative gallons of free product has been removed from monitoring well MW-6 and ranged from 1.32 inches to 3 inches in thickness. Depth to groundwater for MW-6 is approximately 16 feet bgs over the course of the investigation. Free product has not been encountered in MW-6 since June 2018.

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.

On June 4, 2018, Braun Intertec of Duluth, MN installed three sub-slab vapor sampling ports (SS-01, SS-02, and SS-03) in the floor of the on-site building located at 11427 S Business Highway 53 and one sub-slab vapor sampling port (SS-04) in the floor of the building to the north located at 11423 S Business Highway 53. The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 1 1/2-inch outer hole is then drilled to depths ranging from 3/4 -inch to 1-inch, depending on the concrete slab thickness. The holes were cleaned of dust and drilling debris using a shop-vac. A stainless-steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight. (Letter Report - November 2018)

On June 4, 2018, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-02, SS-03, and SS-04) for VOC (TO-15) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. The sub-slab soil vapor sampling results are summarized in the attached data table. (Letter Report - November 2018)

On March 21, 2019, Braun Intertec collected vapor samples from the sub-slab sampling ports (SS-01, SS-03, and SS-04) for VOC (TO-15) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. (Case Closure - September 2019)

- 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).

The sub-slab vapor results showed detects, but no exceedances of the WDNR Small Commercial and or Residential Sub-Slab Vapor Action Levels.

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 Park Creek, which exists approximately 150 feet to the southeast of the subject property. Park Creek Pond exists approximately 175 feet to the south of the subject property. 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 evaluation of Green and Sustainable Remediation was conducted.

- 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 exceeding the NR720 Groundwater RCL values, exists in the area of the removed gasoline UST's and former pump islands. This irregularly shaped area appears to measure up to 95 feet long, 30 feet wide, and up to 12 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of way of Main Street (Business Hwy 53). This soil contamination plume is approximately 30 feet wide at the property boundary, extends up to 15 feet into the right-of-way and is up to 12 feet thick.

Soil contamination exceeding the NR720 Groundwater RCL's extends beyond the property boundary in to the right-of way of Hughes Avenue. This soil contamination plume is approximately 70 feet wide at the property boundary, extends up to 13 feet into the right-of-way and is up to 15.5 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and PAL has formed at the watertable in the area of the removed UST system and has migrated toward the east. This plume is at least 188 feet long and up to 117 feet wide.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of Main Street (Business Hwy 53). This plume extends across the right-of-way (66 feet) and is approximately 70 feet wide at its widest point.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated south into the right-of-way of the Hughes Avenue. This plume extends approximately 23 feet into the right-of-way and is up to 9 feet wide at the property boundary.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated east into the right-of-way of the Canadian National Railway. This plume extends approximately 65 feet into the right-of-way and is up to 72 feet wide at the western side of the property boundary.

- 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.

There is no known residual soil contamination exceeding the NR720 Direct Contact RCL's.

- 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 the NR720 Groundwater RCL's include:

G-2-1 (3.5 feet): Lead (41.8 ppm) and Benzene (0.051 ppm).

G-3-3 (12 feet): Benzene (0.092 ppm), Ethylbenzene (3.9 ppm), Naphthalene (2.69 ppm), Trimethylbenzenes (16.2 ppm), and Xylene (20.9 ppm).

G-4-1 (3.5 feet): Benzene (0.042 ppm).

G-4-2 (8 feet): Benzene (0.0271 ppm).

G-5-1 (3.5 feet): Lead (60.2 ppm).

G-6-1 (3.5 feet): Lead (55 ppm) and Benzene (0.045 ppm).

G-8-2 (8 feet): Benzene (0.212 ppm) and Trimethylbenzenes (3.83 ppm).

G-9-2 (8 feet): Benzene (0.066 ppm).

G-9-3 (12 feet): Benzene (0.226 ppm), Ethylbenzene (1.9 ppm), Trimethylbenzenes (5.02 ppm), and Xylene (9 ppm).

- 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.

Residual soil contamination will be addressed via a Cap Maintenance Plan and groundwater contamination will be addressed via natural attenuation. Based on sub-slab vapor sampling results, the risk of vapor intrusion appears unlikely.

- 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).

Due to the overall stable to decreasing groundwater contaminant trends, it appears that natural attenuation has and will continue to effectively reduce the contaminant concentrations.

- 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 was installed as part of the site investigation.

- 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.

No NR140 ES or PAL exemptions are needed at this time.

Monitoring locations that currently exceed the NR140 PAL or ES include the following:

Monitoring Well MW-2: Currently shows an NR140 ES exceedance for Trimethylbenzenes (835 ppb) as well as NR140 PAL exceedances for Ethylbenzene (141 ppb), Naphthalene (65 ppb), and Xylene (1010 ppb).

Monitoring Well MW-5: Currently shows an NR140 PAL exceedance for Trimethylbenzenes (121.8 ppb).

Monitoring Well MW-6: Currently shows NR140 ES exceedances for Benzene (295 ppb), Ethylbenzene (5700 ppb), Naphthalene (1040 ppb), Toluene (9600 ppb), Trimethylbenzenes (7320 ppb), and Xylene (27400 ppb).

- 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.

None of the sub-slab vapor samples exceeded any of the WDNR Sub-Slab Vapor Action Levels.

- 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 and/or sediment samples were collected.



**5. Continuing Obligations: Includes all affected properties and rights-of-way (ROWs). 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 (database fees will apply, ii. - xiv.)	Maintenance Plan Required	
Property Type:					
Source Property	Affected Property (Off-Source)	ROW			
i.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None of the following situations apply to this case closure request.	NA
ii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" 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/sl/?Viewer=RR Sites](http://dnrmaps.wi.gov/sl/?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.

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**

This page has been updated as of February 2019 to comply with the requirements of Wis. Admin. Code ch. NR 712.

Check the correct box for this case closure request and complete the corresponding certification statement(s) listed below to demonstrate that the requirements of Wis. Admin. Code ch. NR 712 have been met. The responsibility for signing the certification may not be delegated per Wis. Admin. Code § NR 712.09 (1). Per Wis. Admin. Code § 712.05 (1), the work must be conducted or supervised by the person certifying.

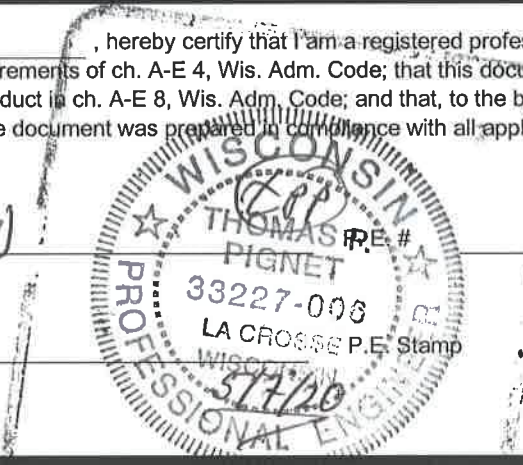
- The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- The investigation and the response action(s) for this site did not evaluate or address groundwater. A professional engineer must sign this document per Wis. Admin. Code ch. NR 712.

**Engineering Certification**

I, Thomas P. Pignet, 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 document has been prepared 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 document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature Thomas Pignet (reviewed) P.E. # 33227-006

Title Engineer



**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, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature Ronald J. Anderson

Title Professional Hydrogeologist/Project Manager Date 5/7/20

## **Attachment A/Data Tables**

### **A.1 Groundwater Analytical Tables**

### **A.2 Soil Analytical Tables**

### **A.3 Residual Soil Contamination Table**

### **A.4 Vapor Analytical Table**

A.5 Other Media of Concern - No surface waters or sediments were assessed as part of the site investigation.

### **A.6 Water Level Elevations**

### **A.7 Other – Hydraulic Conductivity Calculations, Natural Attenuation Parameters, Free Product Recovery**



A.1 Groundwater Analytical Table

(VOC's)

Smith's Union 76 LUST Site BRRTS# 03-16-000069

Sample ID	Date	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	Other VOC's (ppb)
G-1-W	09/18/12	NS	NS	NS	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45	NS
G-2-W	09/18/12	NS	NS	NS	<b>6.8</b>	10.4	<0.57	46	2.79	259	191	NS
G-4-W	09/18/12	NS	NS	NS	<b>160</b>	15.9	<0.57	5.6	7.3	75	64.2	NS
G-5-W	09/18/12	NS	NS	NS	3.8	<0.46	<0.57	<2.3	<0.48	<1.57	0.8-1.54	NS
G-6-W	09/18/12	NS	NS	NS	<b>68</b>	<0.46	<0.57	<2.3	1.18	<1.57	1.4-2.14	NS
G-7-W	09/18/12	NS	NS	NS	2.97	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45	NS
G-8-W	09/19/12	NS	NS	NS	<b>34</b>	0.52	<0.57	<2.3	1.82	<1.57	1.81-2.55	NS
G-9-W	09/19/12	NS	NS	NS	<b>39</b>	<b>1150</b>	<5.7	<b>630</b>	91	<b>3000</b>	<b>5710</b>	NS
G-10-W	09/19/12	NS	NS	NS	4.1	4.5	<0.57	3.01	0.52	2.53-3.32	8.9	NS
ENFORCEMENT STANDARD <b>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>	
PREVENTIVE ACTION LIMIT <i>PAL = Italics</i>		<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>	

**A.1 Groundwater Analytical Table**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-1**

**PVC Elevation = 1076.09 (feet) (MSL)**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.47	14.62	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1061.44	14.65	1.2	44	1.36	<0.37	<1.2	2.22	1.43-2.26	1.75-2.56
02/19/14	COULD NOT LOCATE – UNDER SNOW PILE									
05/21/14	1062.44	13.65	<0.7	52	0.88	<0.37	<1.2	1.38	<1.69	<2.41
06/11/15	1062.31	13.78	NS	3.9	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1062.00	14.09	NS	42	<0.73	<0.49	<2.6	1.52	<1.51	<2.06
12/10/15	1061.58	14.51	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1061.65	14.44	NS	22.3	<0.73	<0.49	<2.6	0.98	<1.51	<2.06
06/20/18	1063.18	12.91	NS	6.0	<0.53	<0.57	<1.7	<0.45	<1.48	2.19
09/04/18	1062.03	14.06	NS	34	<0.53	<0.57	<1.7	1.64	<1.48	<1.58
03/21/19	1061.60	14.49	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**Well MW-2**

**PVC Elevation = 1076.01 (feet) (MSL)**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.37	14.64	<0.7	<25	228	<40	<105	40	1500	1310
11/07/13	1061.36	14.65	0.9	3.14	22.7	<0.37	6	3.2	121	118
02/19/14	1061.02	14.99	<0.7	23.5	138	<3.7	54	13.8	775	740
05/21/14	1062.31	13.70	5.9	52	330	<18.5	65	<40	1270	1800
06/11/15	1062.09	13.92	1.3	20.7	153	<4.9	51	12	576	790
09/14/15	1061.91	14.10	1.5	24.7	309	<4.9	98	18.3	1162	1730
12/10/15	1061.45	14.56	1.4	<4.4	264	<11	70	7.3	923	1390
03/09/16	1061.55	14.46	<0.8	25.8	128	<4.9	38	14.6	550	745
06/20/18	1063.05	12.96	NS	34	850	<5.7	340	23	3040	5290
09/04/18	1061.92	14.09	NS	32	258	<11.4	127	11.7	1310	1650
03/21/19	1061.48	14.53	NS	<2.2	141	<2.8	65	<1.9	835	1010
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**A.1 Groundwater Analytical Table**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-3**                      6-22-18 Resurveyed                      1076.56  
**PVC Elevation =**                      1076.55      (feet)      (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1062.92	13.63	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1062.87	13.68	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
02/19/14	1062.45	14.10	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/21/14	1063.86	12.69	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1063.51	13.04	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1063.35	13.20	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1063.04	13.51	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1063.05	13.50	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1064.47	12.09	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1063.52	13.04	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	1063.02	13.54	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
<b>ENFORCE MENT STANDARD ES =</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 =</b>			<b>1.5</b>	<b>0.5</b>	<b>140</b>	<b>12</b>	<b>10</b>	<b>160</b>	<b>96</b>	<b>400</b>

(ppb) = parts per billion

ns = not sampled

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

**Well MW-4**                      6-22-18 Resurveyed                      1075.11  
**PVC Elevation =**                      1075.13      (feet)      (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.59	13.54	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
11/07/13	1061.59	13.54	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
02/19/14	COULD NOT LOCATE									
05/21/14	1062.56	12.57	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1062.24	12.89	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1062.25	12.88	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1061.66	13.47	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1061.61	13.52	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1064.00	11.11	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1062.19	12.92	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	COULD NOT LOCATE									
02/19/20	NOT SAMPLED									
<b>ENFORCE MENT STANDARD ES =</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 =</b>			<b>1.5</b>	<b>0.5</b>	<b>140</b>	<b>12</b>	<b>10</b>	<b>160</b>	<b>96</b>	<b>400</b>

(ppb) = parts per billion

ns = not sampled

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

**A.1 Groundwater Analytical Table**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-5**                      6-22-18 Resurveyed                      1074.48  
**PVC Elevation =**                      1074.47                      (feet)                      (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.35	13.12	9.8	<5	34	<8	24.6	<5.3	1002	179-187
11/07/13	1061.35	13.12	2.4	0.64	4.8	<0.37	2.44	<0.8	36.4	23.49
02/19/14	1060.67	13.80	2.7	<2.7	20.9	<3.7	20.2	<8	241	65-73.1
05/21/14	1062.48	11.99	<0.7	<2.7	24.8	<3.7	<12	<8	153	135-143.1
06/11/15	1062.12	12.35	1.3	4.4	34	<0.49	13.8	4.8	259	69.6
09/14/15	1061.92	12.55	2.2	8.4	152	<0.49	34	8.9	590	624.4
12/10/15	1061.31	13.16	1.7	<4.4	21.2	<11	18.1	<4.4	255	60-69
03/09/16	1061.27	13.20	1.8	5.6	26.8	<4.9	79	13.6	248	95.6
06/20/18	1063.83	10.65	NS	0.61	0.83	<0.57	<1.7	<0.45	3.72	1.54-2.12
09/04/18	1062.08	12.40	NS	2.11	17.7	<0.57	<1.7	1.94	41.28	13.98
03/21/19	1061.47	13.01	NS	0.22	4.6	<0.28	4.7	0.44	121.8	29.83
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**Well MW-6**  
**PVC Elevation =**                      1076.78                      (feet)                      (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/02/12	1061.03	15.75	7	2420	4700	<160	680	23200	4180	23600
11/07/13	1060.93	15.85	25.6	21.8	39	<0.37	5.9	175	39.5	182
02/19/14	1060.64	16.14	33	304	3200	<37	2540	3300	5280	14540
05/21/14	1062.13	14.65	19.3	2790	4900	<185	750	21000	4670	23800
06/11/15	1061.47	15.31	61.1	1600	5900	<49	1330	17900	10780	28800
09/14/15	1061.35	15.43	37	1800	5400	<49	990	18700	7870	26100
12/10/15	1060.98	15.80	17.5	1570	6300	<110	1240	20400	9430	28600
03/09/16	1061.23	15.55	7.4	1130	6100	<49	1180	17000	10040	29600
06/20/18	1062.43	14.35	NS	1190	3860	<5.7	650	10400	5040	24940
09/04/18	1062.43	14.35	NS	1060	5100	<57	910	12900	7040	25100
03/21/19	1061.26	15.52	NS	295	5700	<28	1040	9600	7320	27400
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**A.1 Groundwater Analytical Table**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-7** 6-22-18 Resurveyed 1069.14  
**PVC Elevation =** 1069.57 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	1059.77	9.80	<0.7	116	430	<2.3	134	16.6	1267	1564
02/19/14	1059.52	10.05	<0.7	23.7	49	<0.37	9.8	2.41	74	185
05/21/14	1060.78	8.79	<0.7	0.87	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
06/11/15	1060.23	9.34	NS	8.5	29.8	<0.49	12	1.09	231	111.58
09/14/15	1060.16	9.41	NS	0.81	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	1059.82	9.75	NS	17.2	75	<1.1	29.9	0.66	265	279.24
03/09/16	1059.98	9.59	NS	35	231	<4.9	82	30.6	875	1065
06/20/18	1061.24	7.90	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
09/04/18	1060.17	8.97	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	DESTROYED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion  
 ns = not sampled

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

**Well MW-8**  
**PVC Elevation =** 1064.48 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	1058.90	5.58	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	1.56-2.19
02/19/14	COULD NOT ACCESS - WATER RUNNING OVER WELL									
05/21/14	1059.81	4.67	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	2.09-2.95	4.81
06/11/15	1059.06	5.42	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/14/15	1057.12	7.36	NS	<0.46	<0.73	<0.49	<2.6	<0.39	7-7.83	10.8-11.46
12/10/15	1058.87	5.61	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
03/09/16	1059.00	5.48	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	1060.29	4.19	NS	<0.22	<0.53	<0.57	<1.7	<0.45	5.2-5.95	4.1-4.68
09/04/18	ROAD GRADER FILLED IN TO 1.5'									
03/21/19	1055.27	9.21	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion  
 ns = not sampled

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

**A.1 Groundwater Analytical Table**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-9**

**PVC Elevation = 1060.38 (feet) (MSL)**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/20/18	1059.98	0.40	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	1058.94	1.44	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	COULD NOT LOCATE									
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**Well MW-10**

**PVC Elevation = 1069.94 (feet) (MSL)**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/20/18	1049.76	20.18	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	1050.97	18.97	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/21/19	1050.33	19.61	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/19/20	NOT SAMPLED									
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**A.1 Groundwater Analytical Table**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Private Well 9182 E. Hughes**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	3.2	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NM	NM	<0.7	NOT SAMPLED						
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NOT SAMPLED							
09/14/15	NM	NM	NOT SAMPLED							
12/10/15	NM	NM	NOT SAMPLED							
03/09/16	NM	NM	NOT SAMPLED							
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NS	<0.29	<0.41	<0.42	<0.58	<0.29	<0.63	<1.15
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**Private Well 11423 S. Bus Hwy 53**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	<0.7	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NOT SAMPLED									
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NOT SAMPLED							
09/14/15	NM	NM	NOT SAMPLED							
12/10/15	NM	NM	NOT SAMPLED							
03/09/16	NM	NM	NOT SAMPLED							
06/20/18	NM	NM	NOT SAMPLED							
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NS	<0.29	<0.41	<0.42	<0.58	<0.29	<0.63	<1.15
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**A.1 Groundwater Analytical Table  
Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Private Well 11427 S. Business Hwy 53**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/19/12	NM	NM	NS	<0.24	<0.27	<0.38	<0.34	<0.39	<0.24	<0.97
11/07/13	NM	NM	<0.7	<0.24	<0.48	<0.49	<0.23	<0.24	<0.57	<0.94
02/19/14	NOT SAMPLED									
05/21/14	NOT SAMPLED									
06/11/15	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	0.86	<1.51	<2.06
09/14/15	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
12/10/15	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	0.5	<3.1	<3.1
03/09/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	0.82	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NS	<0.29	<0.41	<0.42	<0.58	<0.29	<0.63	<1.15
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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

**Private Well Lucius County Park**

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/20/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
09/04/18	NM	NM	NOT SAMPLED							
03/21/19	NM	NM	NOT SAMPLED							
02/19/20	NM	NM	NOT SAMPLED							
ENFORCE MENT STANDARD ES =			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL =			1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

ns = not sampled

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



A.1 Groundwater Analytical Table  
(VOC's)

Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on September 18, 2012

VOC's Well Name	11427 S. Bus Hwy 53 Potable Well	ENFORCEMENT STANDARD =	PREVENTIVE ACTION LIMIT =
		ES – Bold	PAL - Italics
Benzene/ppb	< 0.24	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	< 0.31	==	==
Bromodichloromethane/ppb	< 0.33	==	==
Bromoform/ppb	< 0.33	==	==
tert-Butylbenzene/ppb	< 0.61	==	==
sec-Butylbenzene/ppb	< 0.47	==	==
n-Butylbenzene/ppb	< 0.25	==	==
Carbon Tetrachloride/ppb	< 1.1	==	==
Chlorobenzene/ppb	< 0.39	==	==
Chloroethane/ppb	< 0.32	==	==
Chloroform/ppb	< 0.3	==	==
Chloromethane/ppb	< 0.25	==	==
2-Chlorotoluene/ppb	< 0.39	==	==
4-Chlorotoluene/ppb	< 0.21	==	==
1,2-Dibromo-3-chloropropane/ppb	< 0.33	==	==
Dibromochloromethane/ppb	< 0.12	==	==
1,4-Dichlorobenzene/ppb	< 0.22	==	==
1,3-Dichlorobenzene/ppb	< 0.34	==	==
1,2-Dichlorobenzene/ppb	< 0.3	==	==
Dichlorodifluoromethane/ppb	< 0.38	==	==
1,2-Dichloroethane/ppb	< 0.37	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.42	==	==
1,1-Dichloroethene/ppb	< 0.38	==	==
cis-1,2-Dichloroethene/ppb	< 0.35	==	==
trans-1,2-Dichloroethene/ppb	< 1.9	==	==
1,2-Dichloropropane/ppb	< 0.21	==	==
2,2-Dichloropropane/ppb	< 0.37	==	==
1,3-Dichloropropane/ppb	< 0.25	==	==
Di-isopropyl ether/ppb	< 0.2	==	==
EDB (1,2-Dibromoethane)/ppb	< 0.27	<b>0.05</b>	<i>0.005</i>
Ethylbenzene/ppb	< 0.31	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	< 0.26	==	==
Isopropylbenzene/ppb	< 0.39	==	==
p-Isopropyltoluene/ppb	< 0.33	==	==
Methylene chloride/ppb	< 0.38	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 0.34	<b>60</b>	<i>12</i>
Naphthalene/ppb	< 0.16	<b>100</b>	<i>10</i>
n-Propylbenzene/ppb	< 0.24	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.39	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.4	==	==
Tetrachloroethene (PCE)/ppb	< 0.39	<b>5</b>	<i>0.5</i>
Toluene/ppb	< 0.14	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.4	==	==
1,2,3-Trichlorobenzene/ppb	< 0.39	==	==
1,1,1-Trichloroethane/ppb	< 0.4	==	==
1,1,2-Trichloroethane/ppb	< 0.38	==	==
Trichloroethene (TCE)/ppb	< 0.57	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.3	==	==
1,2,4-Trimethylbenzene/ppb	< 0.15	<b>480</b>	<i>96</i>
1,3,5-Trimethylbenzene/ppb	< 0.092	<b>480</b>	<i>96</i>
Vinyl Chloride/ppb	< 0.18	==	==
m&p-Xylene/ppb	< 0.65	<b>2000</b>	<i>400</i>
o-Xylene/ppb	< 0.32	<b>2000</b>	<i>400</i>

NS = not sampled, NM = Not Measured

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

== No Exceedences



A.1 Groundwater Analytical Table  
Smith's Union 76 LUST Site BRRS# 03-16-000069

Well Sampling Conducted on: 06/20/18 06/20/18 06/20/18 06/20/18 06/20/18

VOC's

<b>ENFORCEMENT STANDARD = ES - Bold</b>	<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>
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Well Name MW-9 MW-10 9182 E. Hughes 11427 S. Bus Hwy 53 Lucius County Park

Well Name	MW-9	MW-10	9182 E. Hughes	11427 S. Bus Hwy 53	Lucius County Park		
Lead, dissolved/ppb	NS	NS	NS	NS	NS	15	1.5
Benzene/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	5	0.5
Bromobenzene/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	==	==
Bromodichloromethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.6	0.06
Bromoform/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	4.4	0.44
tert-Butylbenzene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
sec-Butylbenzene/ppb	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	==	==
n-Butylbenzene/ppb	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	==	==
Carbon Tetrachloride/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	5	0.5
Chlorobenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
Chloroethane/ppb	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	400	80
Chloroform/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	6	0.6
Chloromethane/ppb	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	30	3
2-Chlorotoluene/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==	==
4-Chlorotoluene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
1,2-Dibromo-3-chloropropane/ppb	< 2.96	< 2.96	< 2.96	< 2.96	< 2.96	0.2	0.02
Dibromochloromethane/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	60	6
1,4-Dichlorobenzene/ppb	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	75	15
1,3-Dichlorobenzene/ppb	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	600	120
1,2-Dichlorobenzene/ppb	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	600	60
Dichlorodifluoromethane/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	1000	200
1,2-Dichloroethane/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	5	0.5
1,1-Dichloroethane/ppb	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	850	85
1,1-Dichloroethene/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	7	0.7
cis-1,2-Dichloroethene/ppb	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	70	7
trans-1,2-Dichloroethene/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	100	20
1,2-Dichloropropane/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	5	0.5
1,3-Dichloropropane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
trans-1,3-Dichloropropene/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	0.4	0.04
cis-1,3-Dichloropropene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
DI-isopropyl ether/ppb	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	==	==
EDB (1,2-Dibromoethane)/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	0.05	0.005
Ethylbenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	700	140
Hexachlorobutadiene/ppb	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	==	==
Isopropylbenzene/ppb	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	==	==
p-Isopropyltoluene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
Methylene chloride/ppb	< 1.32	< 1.32	< 1.32	< 1.32	< 1.32	5	0.5
Methyl tert-butyl ether (MTBE)/ppb	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	60	12
Naphthalene/ppb	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	100	10
n-Propylbenzene/ppb	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.2	0.02
1,1,1,2-Tetrachloroethane/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	70	7
Tetrachloroethene (PCE)/ppb	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	5	0.5
Toluene/ppb	< 0.19	< 0.19	< 0.19	0.82	< 0.19	800	160
1,2,4-Trichlorobenzene/ppb	< 1.15	< 1.15	< 1.15	< 1.15	< 1.15	70	14
1,2,3-Trichlorobenzene/ppb	< 1.71	< 1.71	< 1.71	< 1.71	< 1.71	==	==
1,1,1-Trichloroethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	200	40
1,1,2-Trichloroethane/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	5	0.5
Trichloroethene (TCE)/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	5	0.5
Trichlorofluoromethane/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
1,2,4-Trimethylbenzene/ppb	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	<b>Total TMB's 480</b>	<i>Total TMB's 96</i>
1,3,5-Trimethylbenzene/ppb	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	0.2	0.02
Vinyl Chloride/ppb	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<b>Total Xylenes 2000</b>	<i>Total Xylenes 400</i>
m&p-Xylene/ppb	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43		
o-Xylene/ppb	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29		

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

A.1 Groundwater Analytical Table  
Smith's Union 76 LUST Site BRRTS# 03-16-000069

Well Sampling Conducted on: 02/19/20 02/19/20 02/19/20

VOC's (Method 524.2)

Well Name 9182 E. Hughes 11427 S. Bus Hwy 53 11423 S. Business 53

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
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Well Name	9182 E. Hughes	11427 S. Bus Hwy 53	11423 S. Business 53	ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
Benzene/ppb	< 0.29	< 0.29	< 0.29	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	< 0.27	< 0.27	< 0.27	==	==
Bromodichloromethane/ppb	< 0.46	< 0.46	< 0.46	<b>0.6</b>	<i>0.06</i>
Bromoform/ppb	< 0.28	< 0.28	< 0.28	<b>4.4</b>	<i>0.44</i>
Bromomethane/ppb	< 1.2	< 1.2	< 1.2	<b>10</b>	<i>1</i>
Carbon Tetrachloride/ppb	< 0.41	< 0.41	< 0.41	<b>5</b>	<i>0.5</i>
Chlorobenzene/ppb	< 0.28	< 0.28	< 0.28	==	==
Chloroethane/ppb	< 0.61	< 0.61	< 0.61	<b>400</b>	<i>80</i>
Chloroform/ppb	< 0.63	< 0.63	< 0.63	<b>6</b>	<i>0.6</i>
Chloromethane/ppb	< 0.54	< 0.54	< 0.54	<b>30</b>	<i>3</i>
2-Chlorotoluene/ppb	< 0.45	< 0.45	< 0.45	==	==
4-Chlorotoluene/ppb	< 0.34	< 0.34	< 0.34	==	==
Dibromochloromethane/ppb	< 0.3	< 0.3	< 0.3	<b>60</b>	<i>6</i>
Dibromomethane/ppb	< 0.47	< 0.47	< 0.47	==	==
1,4-Dichlorobenzene/ppb	< 0.3	< 0.3	< 0.3	<b>75</b>	<i>15</i>
1,3-Dichlorobenzene/ppb	< 0.31	< 0.31	< 0.31	<b>600</b>	<i>120</i>
1,2-Dichlorobenzene/ppb	< 0.35	< 0.35	< 0.35	<b>600</b>	<i>60</i>
Dichlorodifluoromethane/ppb	< 0.41	< 0.41	< 0.41	<b>1000</b>	<i>200</i>
1,2-Dichloroethane/ppb	< 0.41	< 0.41	< 0.41	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.29	< 0.29	< 0.29	<b>850</b>	<i>85</i>
1,1-Dichloroethene/ppb	< 0.34	< 0.34	< 0.34	<b>7</b>	<i>0.7</i>
cis-1,2-Dichloroethene/ppb	< 0.45	< 0.45	< 0.45	<b>70</b>	<i>7</i>
trans-1,2-Dichloroethene/ppb	< 0.34	< 0.34	< 0.34	<b>100</b>	<i>20</i>
1,2-Dichloropropane/ppb	< 0.42	< 0.42	< 0.42	<b>5</b>	<i>0.5</i>
2,2-Dichloropropane/ppb	< 0.38	< 0.38	< 0.38	==	==
1,3-Dichloropropane/ppb	< 0.44	< 0.44	< 0.44	==	==
trans-1,3-Dichloropropene/ppb	< 0.33	< 0.33	< 0.33	<b>0.4</b>	<i>0.04</i>
cis-1,3-Dichloropropene/ppb	< 0.34	< 0.34	< 0.34	<b>0.4</b>	<i>0.04</i>
1,1-Dichloropropene/ppb	< 0.33	< 0.33	< 0.33	==	==
Ethylbenzene/ppb	< 0.41	< 0.41	< 0.41	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	< 0.52	< 0.52	< 0.52	==	==
Isopropylbenzene/ppb	< 0.26	< 0.26	< 0.26	==	==
p-Isopropyltoluene/ppb	< 0.36	< 0.36	< 0.36	==	==
Methylene chloride/ppb	< 0.51	< 0.51	< 0.51	<b>5</b>	<i>0.5</i>
Methyl tert-butyl ether (MTBE)/ppb	< 0.42	< 0.42	< 0.42	<b>60</b>	<i>12</i>
Naphthalene/ppb	< 0.58	< 0.58	< 0.58	<b>100</b>	<i>10</i>
Styrene/ppb	< 0.35	< 0.35	< 0.35	<b>100</b>	<i>10</i>
1,1,2,2-Tetrachloroethane/ppb	< 0.33	< 0.33	< 0.33	<b>0.2</b>	<i>0.02</i>
1,1,1,2-Tetrachloroethane/ppb	< 0.63	< 0.63	< 0.63	<b>70</b>	<i>7</i>
Tetrachloroethene (PCE)/ppb	< 0.28	< 0.28	< 0.28	<b>5</b>	<i>0.5</i>
Toluene/ppb	< 0.29	< 0.29	< 0.29	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.39	< 0.39	< 0.39	<b>70</b>	<i>14</i>
1,1,1-Trichloroethane/ppb	< 0.31	< 0.31	< 0.31	<b>200</b>	<i>40</i>
1,1,2-Trichloroethane/ppb	< 0.4	< 0.4	< 0.4	<b>5</b>	<i>0.5</i>
Trichloroethene (TCE)/ppb	< 0.42	< 0.42	< 0.42	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.34	< 0.34	< 0.34	==	==
1,2,3-Trichloropropane/ppb	< 0.57	< 0.57	< 0.57	<b>60</b>	<i>12</i>
Trichlorotrifluoroethane/ppb	< 0.18	< 0.18	< 0.18	==	==
1,2,4-Trimethylbenzene/ppb	< 0.3	< 0.3	< 0.3	<b>480</b>	<i>96</i>
1,3,5-Trimethylbenzene/ppb	< 0.33	< 0.33	< 0.33		
Vinyl Chloride/ppb	< 0.2	< 0.2	< 0.2	<b>0.2</b>	<i>0.02</i>
m&p-Xylene/ppb	< 0.78	< 0.78	< 0.78		
o-Xylene/ppb	< 0.37	< 0.37	< 0.37	<b>2000</b>	<i>400</i>

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

A.2. Soil Analytical Results Table  
 Smith's Union 76 LUST Site BRRTS# 03-16-000069

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime- thylbenzene (ppm)	1,3,5-Trime- thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	DIRECT CONTACT		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
SB-1	14.0	U	10/22/90	unknown	<2.5	NS	NS	<0.001	<0.001	<0.001	NS	<0.001	NS	NS	<0.001	NS			
SB-2	17.0	S	10/22/90	unknown	<2.5	NS	NS	<b>0.014</b>	0.006	NS	NS	0.007	NS	NS	0.09	NS			
SB-3	19.0	S	10/22/90	unknown	<2.5	NS	NS	<b>20</b>	<b>16</b>	NS	NS	<b>27</b>	NS	NS	<b>90</b>	NS			
SB-4	16.0	S	10/22/90	unknown	<2.5	NS	NS	<0.001	<0.001	NS	NS	<0.001	NS	NS	0.011	NS			
G-1-1	3.5	U	09/18/12	0	6.63	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.66E-02	0
G-1-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-5	18.0	S	09/18/12	0	NOT SAMPLED											NS			
G-2-1	3.5	U	09/18/12	0	<b>41.8</b>	NS	<10	<b>0.051</b>	0.0278	<0.025	0.057	0.218	0.172	0.100	0.425	NS	0	1.08E-01	4.9E-08
G-2-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	0.064	0.046	0.029	0.115	NS			
G-2-3	12.0	U	09/18/12	20	NS	NS	<10	<0.025	<0.025	<0.025	0.065	<0.025	0.128	0.077	0.0304-0.0804	NS			
G-2-4	16.0	S	09/18/12	700	NS	NS	1420	<b>2.38</b>	<b>6.5</b>	<0.250	<b>15.6</b>	0.550	<b>113</b>	<b>53</b>	<b>49</b>	NS			
G-2-5	18.0	S	09/18/12	10	NOT SAMPLED											NS			
G-3-1	3.5	U	09/18/12	0	1.29	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	3.23E-03	0
G-3-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-3	12.0	U	09/18/12	15	NS	NS	103	<b>0.092</b>	<b>3.9</b>	<0.025	<b>2.69</b>	0.390	<b>12.3</b>	<b>3.9</b>	<b>20.9</b>	NS			
G-3-4	16.0	S	09/18/12	300	1.58	NS	1730	<0.178	<b>29.1</b>	<0.240	<b>14.2</b>	<b>1.45</b>	<b>181</b>	<b>56</b>	<b>186</b>	NS			
G-3-5	18.0	S	09/18/12	180	NOT SAMPLED											NS			
G-4-1	3.5	U	09/18/12	0	24	NS	<10	<b>0.042</b>	0.050	<0.025	0.040	0.125	0.230	0.126	0.448	NS	0	6.39E-02	4.3E-08
G-4-2	8.0	U	09/18/12	0	NS	NS	<10	<b>0.0271</b>	<0.025	<0.025	0.0276	0.078	0.084	0.047	0.152	NS			
G-4-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-4	16.0	S	09/18/12	190	NS	NS	370	<b>0.550</b>	<0.250	<0.250	<0.250	<0.250	<b>2.36</b>	<b>2.54</b>	1.88	NS			
G-4-5	18.0	S	09/18/12	140	NOT SAMPLED											NS			
G-5-1	3.5	U	09/18/12	0	<b>60.2</b>	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.51E-01	0
G-5-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	0.071	<0.025	<0.025	0.034	0.0284	0.033	0.216	NS			
G-5-3	12.0	U	09/18/12	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-5	18.0	S	09/18/12	0	NOT SAMPLED											NS			
G-6-1	3.5	U	09/18/12	0	<b>55</b>	NS	<10	<b>0.045</b>	0.041	<0.025	<0.025	0.095	0.068	0.048	0.283	NS	0	1.39E-01	3.6E-08
G-6-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	0.056	0.058	0.037	0.156	NS			
G-6-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-5	NR		09/18/12		NO RECOVERY - PUSHED ROCK											NS			
G-7-1	3.5	U	09/18/12	0	1.08	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	2.70E-03	0
G-7-2	8.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	0.034	<0.025	0.158	NS			
G-7-3	12.0	U	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	0.038	0.0302	<0.025	<0.075	NS			
G-7-4	16.0	S	09/18/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-5	18.0	S	09/18/12	0	NOT SAMPLED											NS			
G-8-1	3.5	U	09/19/12	0	6.72	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.68E-02	0
G-8-2	8.0	U	09/19/12	0	NS	NS	24	<b>0.212</b>	0.530	<0.025	0.132	0.500	<b>2.44</b>	<b>1.39</b>	3.6	NS			
G-8-3	12.0	U	09/19/12	0	NS	NS	<10	<0.025	<0.025	<0.025	0.048	0.0311	0.145	0.062	0.151	NS			
G-8-4	16.0	S	09/19/12	0	NOT SAMPLED											NS			
G-8-5	17.0	S	09/19/12	30	NS	NS	12	<b>0.123</b>	<0.025	<0.025	<0.025	<0.025	0.036	0.063	<0.075	NS			
G-9-1	3.5	U	09/19/12	0	2.55	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	6.38E-03	0
G-9-2	8.0	U	09/19/12	0	NS	NS	<10	<b>0.066</b>	0.105	<0.025	<0.025	0.088	0.196	0.072	0.517	NS			
G-9-3	12.0	U	09/19/12	15	NS	NS	33	<b>0.226</b>	<b>1.9</b>	<0.025	0.267	0.640	<b>3.8</b>	<b>1.22</b>	<b>9</b>	NS			
G-9-4	16.0	S	09/19/12	350	NS	NS	1480	<b>2.77</b>	<b>31.2</b>	<0.250	<b>26</b>	<b>3.5</b>	<b>137</b>	<b>52</b>	<b>162</b>	NS			
G-9-5	18.0	S	09/19/12	70	NOT SAMPLED											NS			
G-9-6	NR		09/19/12		NO RECOVERY - PUSHED ROCK											NS			
G-10-1	3.5	U	09/19/12	0	22.6	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	5.65E-02	0
G-10-2	8.0	U	09/19/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-3	12.0	U	09/19/12	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-4	15.5	S	09/19/12	50	NS	NS	690	<b>40</b>	1.12	<0.250	<b>2.93</b>	0.640	<b>5.7</b>	<b>2.67</b>	<b>5.95</b>	NS			
G-10-5	18.0	S	09/19/12	10	NOT SAMPLED											NS			
MW-4-1	3.5	U	09/19/12	0	NOT SAMPLED											NS			
MW-4-2	8.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-4-3	12.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-4-4	16.0	S	09/19/12	0	NOT SAMPLED											NS			
MW-4-5	20.0	S	09/19/12	0	NOT SAMPLED											NS			
MW-5-1	3.5	U	09/19/12	0	NOT SAMPLED											NS			
MW-5-2	8.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-5-3	12.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-5-4	16.0	S	09/19/12	100	NOT SAMPLED											NS			
MW-5-5	16.5	S	09/19/12	220	NS	NS	253	<b>0.520</b>	0.600	<0.025	<b>1.03</b>	0.690	<b>12.4</b>	<b>6</b>	3.16	NS			
MW-6-1	3.5	U	09/19/12	0	NOT SAMPLED											NS			
MW-6-2	8.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-6-3	12.0	U	09/19/12	0	NOT SAMPLED											NS			
MW-6-4	16.0	U	09/19/12	120	NOT SAMPLED											NS			
MW-6-5	17.0	S	09/19/12	250	NS	NS	1690	<b>6.7</b>	<b>52</b>	<0.250	<b>9.8</b>	<b>89</b>	<b>86</b>	<b>35</b>	<b>245</b>	NS			
MW-6-6	21.0	S	09/19/12	180	NOT SAMPLED											NS			
MW-7-1	3.5	U	09/25/13	0	NOT SAMPLED											NS			
MW-7-2	8	S	09/25/13	0	NOT SAMPLED											NS			
MW-7-3	8-12	S	09/25/13		NO RECOVERY											NS			
MW-7-4	12-16	S	09/25/13																

A.2. Soil Analytical Results Table  
(VOC's)  
Smith's Union 76 LUST Site BRRS# 03-16-000069

Well Sampling Conducted on September 18, 2012

VOC's		<b>Bold = Groundwater RCL</b>	<u>Underline &amp; Bold = Non- Industrial Direct Contact RCL</u>	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-3-4				
Sample Depth/ft.	16				
Solids Percent	87.2	==	==	==	==
Lead/ppm	1.58 "J"	27	<u>400</u>	(800)	==
GRO/ppm	1730	==	==	==	==
Benzene/ppm	< 0.178	<b>0.0051</b>	<u>1.6</u>	(7.07)	1820*
Bromobenzene/ppm	< 0.280	==	<u>342</u>	(679)	==
Bromodichloromethane/ppm	< 0.240	<b>0.0003</b>	<u>0.418</u>	(1.83)	==
Bromoform/ppm	< 0.400	<b>0.0023</b>	<u>25.4</u>	(113)	==
tert-Butylbenzene/ppm	< .1080	==	<u>183</u>	(183)	183*
sec-Butylbenzene/ppm	2.240 "J"	==	<u>145</u>	(145)	145*
n-Butylbenzene/ppm	12.1	==	<u>108</u>	(108)	108*
Carbon Tetrachloride/ppm	< 0.240	<b>0.0039</b>	<u>0.916</u>	(4.03)	==
Chlorobenzene/ppm	<0.188	==	<u>370</u>	(761)	761*
Chloroethane/ppm	< 2.840	<b>0.2266</b>	==	==	==
Chloroform/ppm	< 0.920	<b>0.0033</b>	<u>0.454</u>	(1.98)	==
Chloromethane/ppm	< 4.140	<b>0.0155</b>	<u>159</u>	(669)	==
2-Chlorotoluene/ppm	< 1.680	==	<u>907</u>	(907)	907*
4-Chlorotoluene/ppm	< 1.520	==	<u>253</u>	(253)	253*
1,2-Dibromo-3-chloropropane/ppm	< 1.540	<b>0.0002</b>	<u>0.008</u>	(0.092)	==
Dibromochloromethane/ppm	< 0.190	<b>0.032</b>	<u>8.28</u>	(38.9)	==
1,4-Dichlorobenzene/ppm	< 1.040	<b>0.144</b>	<u>3.74</u>	(16.4)	==
1,3-Dichlorobenzene/ppm	< 1.060	<b>1.1528</b>	<u>297</u>	(297)	297*
1,2-Dichlorobenzene/ppm	< 1.020	<b>1.168</b>	<u>376</u>	(376)	376*
Dichlorodifluoromethane/ppm	< 0.240	<b>3.0863</b>	<u>126</u>	(530)	==
1,2-Dichloroethane/ppm	< 0.260	<b>0.0028</b>	<u>0.652</u>	(2.87)	540*
1,1-Dichloroethane/ppm	< 0.220	<b>0.4834</b>	<u>5.06</u>	(22.2)	==
1,1-Dichloroethene/ppm	< 0.440	<b>0.005</b>	<u>320</u>	(1190)	1190*
cis-1,2-Dichloroethene/ppm	< 0.280	<b>0.0412</b>	<u>156</u>	(2340)	==
trans-1,2-Dichloroethene/ppm	< 0.440	<b>0.0626</b>	<u>1560</u>	(1850)	==
1,2-Dichloropropane/ppm	< 0.220	<b>0.0033</b>	<u>3.4</u>	(15)	==
2,2-Dichloropropane/ppm	< 0.660	==	<u>191</u>	191	191*
1,3-Dichloropropane/ppm	< 0.220	==	<u>1490</u>	(1490)	1490*
Di-isopropyl ether/ppm	< 0.940	==	<u>2260</u>	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	< 0.340	<b>0.0000282</b>	<u>0.05</u>	(0.221)	==
Ethylbenzene/ppm	29.1	<b>1.57</b>	<u>8.02</u>	(35.4)	480*
Hexachlorobutadiene/ppm	< 1.900	==	<u>1.63</u>	(7.19)	==
Isopropylbenzene/ppm	7.3	==	==	==	==
p-Isopropyltoluene/ppm	0.950 "J"	==	<u>162</u>	(162)	162*
Methylene chloride/ppm	< 2.380	<b>0.0026</b>	<u>61.8</u>	(1150)	==
Methyl tert-butyl ether (MTBE)/ppm	< 0.240	<b>0.027</b>	<u>63.8</u>	(282)	8870*
Naphthalene/ppm	14.2	<b>0.6582</b>	<u>5.52</u>	(24.1)	==
n-Propylbenzene/ppm	35	==	==	==	==
1,1,2,2-Tetrachloroethane/ppm	< 0.400	<b>0.0002</b>	<u>0.81</u>	(3.6)	==
1,1,1,2-Tetrachloroethane/ppm	< 0.820	<b>0.0534</b>	<u>2.78</u>	(12.3)	==
Tetrachloroethene (PCE)/ppm	< 0.480	<b>0.0045</b>	<u>33</u>	(145)	==
Toluene/ppm	1.450 "J"	<b>1.1072</b>	<u>818</u>	(818)	818*
1,2,4-Trichlorobenzene/ppm	< 1.480	<b>0.408</b>	<u>24</u>	(113)	==
1,2,3-Trichlorobenzene/ppm	< 2.580	==	<u>62.6</u>	(934)	==
1,1,1-Trichloroethane/ppm	< 0.220	<b>0.1402</b>	<u>640</u>	(640)	640*
1,1,2-Trichloroethane/ppm	< 0.320	<b>0.0032</b>	<u>1.59</u>	(7.01)	==
Trichloroethene (TCE)/ppm	< 0.340	<b>0.0036</b>	<u>1.3</u>	(8.41)	==
Trichlorofluoromethane/ppm	< 0.860	<b>4.4775</b>	<u>1230</u>	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	181	<b>1.3787</b>	<u>219</u>	(219)	219*
1,3,5-Trimethylbenzene/ppm	56	<b>1.3787</b>	<u>182</u>	(182)	182*
Vinyl Chloride/ppm	< 0.320	<b>0.0001</b>	<u>0.067</u>	(2.08)	==
m&p-Xylene/ppm	141	<b>3.96</b>	<u>260</u>	(260)	260*
o-Xylene/ppm	45				

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

**A.3. Residual Soil Analytical Results Table**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	DIRECT CONTACT		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
SB-2	17.0	S	10/22/90	unknown	<2.5	NS	NS	<b>0.014</b>	0.006	NS	NS	0.007	NS	NS	0.09	NS			
SB-3	19.0	S	10/22/90	unknown	<2.5	NS	NS	<b>20</b>	<b>16</b>	NS	NS	<b>27</b>	NS	NS	<b>90</b>	NS			
G-2-1	3.5	U	09/18/12	0	<b>41.8</b>	NS	<10	<b>0.051</b>	0.0278	<0.025	0.057	0.218	0.172	0.100	0.425	NS	0	1.08E-01	4.9E-08
G-2-4	16.0	S	09/18/12	700	NS	NS	1420	<b>2.38</b>	<b>6.5</b>	<0.250	<b>15.6</b>	0.550	<b>113</b>	<b>53</b>	<b>49</b>	NS			
G-3-3	12.0	U	09/18/12	15	NS	NS	103	<b>0.092</b>	<b>3.9</b>	<0.025	<b>2.69</b>	0.390	<b>12.3</b>	<b>3.9</b>	<b>20.9</b>	NS			
G-3-4	16.0	S	09/18/12	300	1.58	NS	1730	<0.178	<b>29.1</b>	<0.240	<b>14.2</b>	<b>1.45</b>	<b>181</b>	<b>56</b>	<b>186</b>	NS			
G-4-1	3.5	U	09/18/12	0	24	NS	<10	<b>0.042</b>	0.050	<0.025	0.040	0.125	0.230	0.126	0.448	NS	0	6.39E-02	4.3E-08
G-4-2	8.0	U	09/18/12	0	NS	NS	<10	<b>0.0271</b>	<0.025	<0.025	0.0276	0.078	0.084	0.047	0.152	NS			
G-4-4	16.0	S	09/18/12	190	NS	NS	370	<b>0.550</b>	<0.250	<0.250	<0.250	<0.250	<b>2.36</b>	<b>2.54</b>	1.88	NS			
G-5-1	3.5	U	09/18/12	0	<b>60.2</b>	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.51E-01	0
G-6-1	3.5	U	09/18/12	0	<b>55</b>	NS	<10	<b>0.045</b>	0.041	<0.025	<0.025	0.095	0.068	0.048	0.283	NS	0	1.39E-01	3.6E-08
G-8-2	8.0	U	09/19/12	0	NS	NS	24	<b>0.212</b>	0.530	<0.025	0.132	0.500	<b>2.44</b>	<b>1.39</b>	3.6	NS			
G-8-5	17.0	S	09/19/12	30	NS	NS	12	<b>0.123</b>	<0.025	<0.025	<0.025	<0.025	0.036	0.063	<0.075	NS			
G-9-2	8.0	U	09/19/12	0	NS	NS	<10	<b>0.066</b>	0.105	<0.025	<0.025	0.088	0.196	0.072	0.517	NS			
G-9-3	12.0	U	09/19/12	15	NS	NS	33	<b>0.226</b>	<b>1.9</b>	<0.025	0.267	0.640	<b>3.8</b>	<b>1.22</b>	<b>9</b>	NS			
G-9-4	16.0	S	09/19/12	350	NS	NS	1480	<b>2.77</b>	<b>31.2</b>	<0.250	<b>26</b>	<b>3.5</b>	<b>137</b>	<b>52</b>	<b>162</b>	NS			
G-10-4	15.5	S	09/19/12	50	NS	NS	690	<b>40</b>	1.12	<0.250	<b>2.93</b>	0.640	<b>5.7</b>	<b>2.67</b>	<b>5.95</b>	NS			
MW-5-5	16.5	S	09/19/12	220	NS	NS	253	<b>0.520</b>	0.600	<0.025	<b>1.03</b>	0.690	<b>12.4</b>	<b>6</b>	3.16	NS			
MW-6-5	17.0	S	09/19/12	250	NS	NS	1690	<b>6.7</b>	<b>52</b>	<0.250	<b>9.8</b>	<b>89</b>	<b>86</b>	<b>35</b>	<b>245</b>	NS			
<b>Groundwater RCL</b>					<b>27</b>	-	-	<b>0.0051</b>	<b>1.57</b>	<b>0.027</b>	<b>0.6582</b>	<b>1.1072</b>	<b>1.3787</b>		<b>3.96</b>	-			
<b>Non-Industrial Direct Contact RCL</b>					<b>400</b>	-	-	<b>1.6</b>	<b>8.02</b>	<b>63.8</b>	<b>5.52</b>	<b>818</b>	<b>219</b>	<b>182</b>	<b>260</b>	-		1.00E+00	1.00E-05
<b>Industrial Direct Contact RCL</b>					<b>(800)</b>	-	-	<b>(7.07)</b>	<b>(35.4)</b>	<b>(282)</b>	<b>(24.1)</b>	<b>(818)</b>	<b>(219)</b>	<b>(182)</b>	<b>(260)</b>	-		1.00E+00	1.00E-05
<b>Soil Saturation Concentration (C-sat)*</b>					-	-	-	<b>1820*</b>	<b>480*</b>	<b>8870*</b>	-	<b>818*</b>	<b>219*</b>	<b>182*</b>	<b>260*</b>	-			

**Bold = Groundwater RCL Exceedance**  
**Bold & Underline = Non Industrial Direct Contact RCL Exceedance**  
**(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance**  
**Bold & Asteric \* = C-sat Exceedance**  
 NS = Not Sampled                      NM = Not Measured  
 (ppm) = parts per million              ND = No Detects  
 DRO = Diesel Range Organics  
 GRO = Gasoline Range Organics  
 PID = Photoionization Detector  
 PVOC's = Petroleum Volatile Organic Compounds  
 VOC's = Volatile Organic Compounds  
**Note: Non-Industrial RCLs apply to this site.**

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)  
 S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.3. Residual Soil Analytical Results Table  
(VOC's)

Smith's Union 76 LUST Site BRRS# 03-16-000069

Well Sampling Conducted on September 18, 2012

VOC's		Bold = Groundwater RCL	<u>Underline &amp; Bold = Non- Industrial Direct Contact RCL</u>	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-3-4				
Sample Depth/ft.	16				
Solids Percent	87.2	==	==	==	==
Lead/ppm	1.58 "J"	27	<u>400</u>	(800)	==
GRO/ppm	1730	==	==	==	==
Benzene/ppm	< 0.178	0.0051	<u>1.6</u>	(7.07)	1820*
Bromobenzene/ppm	< 0.280	==	<u>342</u>	(679)	==
Bromodichloromethane/ppm	< 0.240	0.0003	<u>0.418</u>	(1.83)	==
Bromoform/ppm	< 0.400	0.0023	<u>25.4</u>	(113)	==
tert-Butylbenzene/ppm	< 1.080	==	<u>183</u>	(183)	183*
sec-Butylbenzene/ppm	2.240 "J"	==	<u>145</u>	(145)	145*
n-Butylbenzene/ppm	12.1	==	<u>108</u>	(108)	108*
Carbon Tetrachloride/ppm	< 0.240	0.0039	<u>0.916</u>	(4.03)	==
Chlorobenzene/ppm	< 0.188	==	<u>370</u>	(761)	761*
Chloroethane/ppm	< 2.840	0.2266	==	==	==
Chloroform/ppm	< 0.920	0.0033	<u>0.454</u>	(1.98)	==
Chloromethane/ppm	< 4.140	0.0155	<u>159</u>	(669)	==
2-Chlorotoluene/ppm	< 1.680	==	<u>907</u>	(907)	907*
4-Chlorotoluene/ppm	< 1.520	==	<u>253</u>	(253)	253*
1,2-Dibromo-3-chloropropane/ppm	< 1.540	0.0002	<u>0.008</u>	(0.092)	==
Dibromochloromethane/ppm	< 0.190	0.032	<u>8.28</u>	(38.9)	==
1,4-Dichlorobenzene/ppm	< 1.040	0.144	<u>3.74</u>	(16.4)	==
1,3-Dichlorobenzene/ppm	< 1.060	1.1528	<u>297</u>	(297)	297*
1,2-Dichlorobenzene/ppm	< 1.020	1.168	<u>376</u>	(376)	376*
Dichlorodifluoromethane/ppm	< 0.240	3.0863	<u>126</u>	(530)	==
1,2-Dichloroethane/ppm	< 0.260	0.0028	<u>0.652</u>	(2.87)	540*
1,1-Dichloroethane/ppm	< 0.220	0.4834	<u>5.06</u>	(22.2)	==
1,1-Dichloroethene/ppm	< 0.440	0.005	<u>320</u>	(1190)	1190*
cis-1,2-Dichloroethene/ppm	< 0.280	0.0412	<u>156</u>	(2340)	==
trans-1,2-Dichloroethene/ppm	< 0.440	0.0626	<u>1560</u>	(1850)	==
1,2-Dichloropropane/ppm	< 0.220	0.0033	<u>3.4</u>	(15)	==
2,2-Dichloropropane/ppm	< 0.660	==	<u>191</u>	191	191*
1,3-Dichloropropane/ppm	< 0.220	==	<u>1490</u>	(1490)	1490*
Di-isopropyl ether/ppm	< 0.940	==	<u>2260</u>	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	< 0.340	0.0000282	<u>0.05</u>	(0.221)	==
Ethylbenzene/ppm	29.1	1.57	<u>8.02</u>	(35.4)	480*
Hexachlorobutadiene/ppm	< 1.900	==	<u>1.63</u>	(7.19)	==
Isopropylbenzene/ppm	7.3	==	==	==	==
p-Isopropyltoluene/ppm	0.950 "J"	==	<u>162</u>	(162)	162*
Methylene chloride/ppm	< 2.380	0.0026	<u>61.8</u>	(1150)	==
Methyl tert-butyl ether (MTBE)/ppm	< 0.240	0.027	<u>63.8</u>	(282)	8870*
Naphthalene/ppm	14.2	0.6582	<u>5.52</u>	(24.1)	==
n-Propylbenzene/ppm	35	==	==	==	==
1,1,2,2-Tetrachloroethane/ppm	< 0.400	0.0002	<u>0.81</u>	(3.6)	==
1,1,1,2-Tetrachloroethane/ppm	< 0.820	0.0534	<u>2.78</u>	(12.3)	==
Tetrachloroethene (PCE)/ppm	< 0.480	0.0045	<u>33</u>	(145)	==
Toluene/ppm	1.450 "J"	1.1072	<u>818</u>	(818)	818*
1,2,4-Trichlorobenzene/ppm	< 1.480	0.408	<u>24</u>	(113)	==
1,2,3-Trichlorobenzene/ppm	< 2.580	==	<u>62.6</u>	(934)	==
1,1,1-Trichloroethane/ppm	< 0.220	0.1402	<u>640</u>	(640)	640*
1,1,2-Trichloroethane/ppm	< 0.320	0.0032	<u>1.59</u>	(7.01)	==
Trichloroethene (TCE)/ppm	< 0.340	0.0036	<u>1.3</u>	(8.41)	==
Trichlorofluoromethane/ppm	< 0.860	4.4775	<u>1230</u>	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	181	1.3787	<u>219</u>	(219)	219*
1,3,5-Trimethylbenzene/ppm	56	==	<u>182</u>	(182)	182*
Vinyl Chloride/ppm	< 0.320	0.0001	<u>0.067</u>	(2.08)	==
m&p-Xylene/ppm	141	3.96	<u>260</u>	(260)	260*
o-Xylene/ppm	45	==	==	==	==

NS = not sampled, NM = Not Measured

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

== No Standards



A.4 Vapor Analytical Table  
 Sub-Slab Sampling Data Table for Smith's Union 76  
 BY METCO

Sub-Slab Sampling conducted on:	6/4/2018	6/4/2018	6/4/2018	3/21/2019	3/21/2019	WDNR Small Commercial Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017	
	SS-01	SS-02	SS-03	SS-01	SS-03	(ug/m <sup>3</sup> )	
Benzene – ug/m <sup>3</sup>	1.0	2.8	2.2	0.86	1.6	530	c
Carbon Tetrachloride – ug/m <sup>3</sup>	<0.89	<0.92	<0.95	NS	NS	670	c
Chloroform – ug/m <sup>3</sup>	<0.69	<0.71	<0.74	NS	NS	180	c
Chloromethane – ug/m <sup>3</sup>	<0.58	1.7	<0.63	NS	NS	13000	n
Dichlorodifluoromethane – ug/m <sup>3</sup>	10.1	<2.5	<2.6	NS	NS	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m <sup>3</sup>	<1.1	<1.2	<1.2	NS	NS	2600	c
1,2-Dichloroethane (1,2-DCA) - ug/m <sup>3</sup>	<0.57	<0.59	<0.61	NS	NS	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m <sup>3</sup>	<1.1	<1.2	<1.2	NS	NS	29000	n
1,2-Dichloroethylene (cis and trans) - ug/m <sup>3</sup>	<2.2	1.2-2.4	<2.4	NS	NS	NA	-
Ethylbenzene – ug/m <sup>3</sup>	1.3	<1.3	<1.3	<1.2	<1.2	1600	c
Methylene chloride – ug/m <sup>3</sup>	28.9	<5.1	<5.3	NS	NS	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m <sup>3</sup>	<5.1	<5.3	<5.5	<5.2	<5.1	16000	c
Naphthalene – ug/m <sup>3</sup>	6.5	<3.8	8.3	<3.8	<3.7	120	c
Tetrachloroethylene -ug/m <sup>3</sup>	7.2	40.3	6.6	NS	NS	6000	n
Toluene – ug/m <sup>3</sup>	2.1	2.6	2.1	1.2	2.6	730000	n
1,1,1-Trichloroethane – ug/m <sup>3</sup>	<1.5	<1.6	<1.7	NS	NS	730000	n
Trichloroethylene – ug/m <sup>3</sup>	<0.76	0.84	<0.81	NS	NS	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m <sup>3</sup>	<1.6	<1.6	<1.7	NS	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m <sup>3</sup>	2.8	<1.4	<1.5	NS	NS	8700	n
Trimethylbenzene (1,3,5) – ug/m <sup>3</sup>	<1.4	<1.4	<1.5	NS	NS	8700	n
Vinyl chloride – ug/m <sup>3</sup>	<0.36	<0.37	<0.39	NS	NS	930	c
Xylene (total) -ug/m <sup>3</sup>	8.6	<3.8	<3.9	3.2-4.4	<3.7	15000	n

ug/m<sup>3</sup> = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

**Bold = Sub-Slab Standard Exceedance**

c = Carcinogen

n = Non Carcinogen

J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)

\* Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.

B = Compound was found in the blank and sample

E = Result exceeded calibration range

A.4 Vapor Analytical Table  
 Sub-Slab Sampling Data Table for Smith's Union 76  
 BY METCO

Sample ID	Conducted on:		WDNR	
	6/4/2018	3/21/2019	Residential Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017	
	SS-04 (Daycare)	SS-04 (Daycare)	(ug/m <sup>3</sup> )	
Benzene – ug/m <sup>3</sup>	0.74	<0.48	120	c
Carbon Tetrachloride – ug/m <sup>3</sup>	<0.97	NS	160	c
Chloroform – ug/m <sup>3</sup>	<0.75	NS	40	c
Chloromethane – ug/m <sup>3</sup>	<0.64	NS	3100	n
Dichlorodifluoromethane – ug/m <sup>3</sup>	4.5	NS	3300	n
1,1-Dichloroethane (1,1-DCA) – ug/m <sup>3</sup>	<1.3	NS	600	c
1,2-Dichloroethane (1,2-DCA) - ug/m <sup>3</sup>	<0.62	NS	37	c
1,1-Dichloroethylene (1,1-DCE) – ug/m <sup>3</sup>	<1.2	NS	7000	n
1,2-Dichloroethylene (cis and trans) - ug/m <sup>3</sup>	<2.4	NS	NA	-
Ethylbenzene – ug/m <sup>3</sup>	<1.3	<1.3	370	c
Methylene chloride – ug/m <sup>3</sup>	<5.4	NS	21000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m <sup>3</sup>	<5.6	<5.5	3700	c
Naphthalene – ug/m <sup>3</sup>	<4.0	<4.0	28	c
Tetrachloroethylene -ug/m <sup>3</sup>	1.9	NS	1400	n
Toluene – ug/m <sup>3</sup>	<1.2	<1.1	170000	n
1,1,1-Trichloroethane – ug/m <sup>3</sup>	20.6	NS	170000	n
Trichloroethylene – ug/m <sup>3</sup>	<0.83	NS	70	n
Trichlorofluoromethane (Halcarbon 11) – ug/m <sup>3</sup>	<1.7	NS	NA	-
Trimethylbenzene (1,2,4) – ug/m <sup>3</sup>	<1.5	<1.5	2100	n
Trimethylbenzene (1,3,5) – ug/m <sup>3</sup>	<1.5	<1.5	2100	n
Vinyl chloride – ug/m <sup>3</sup>	<0.40	NS	57	c
Xylene (total) -ug/m <sup>3</sup>	<4.0	<3.9	3300	n

ug/m<sup>3</sup> = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

**Bold = Sub-Slab Standard Exceedance**

c = Carcinogen

n = Non Carcinogen

J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)

**\* Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.**

B = Compound was found in th blank and sample

E = Result exceeded calibration range

- = Inhalation toxicity values are not available from U.S. EPA

**A.6 Water Level Elevations  
Smith's Union 76 LUST Site BRRTS# 03-16-000069  
Solon Springs, Wisconsin**

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10
Ground Surface (feet msl)	1076.54	1076.64	1076.87	1075.52	1074.94	1077.21	1069.91	1064.88	NI	NI
6-22-18 Re-survey Ground Surface	1076.52	1076.61	1076.89	1075.61	1074.95	1077.22	1069.65	1065.04	1060.93	1070.55
PVC top (feet msl)	1076.09	1076.01	1076.55	1075.13	1074.47	1076.78	1069.57	1064.48	NI	NI
6-22-18 Resurveyd PVC top	1076.09	1076.01	1076.56	1075.11	1074.48	1076.78	1069.14	1064.48	1060.38	1069.94
Well Depth (feet)	20.00	20.00	21.00	20.00	20.00	20.00	14.50	14.50	13	30
Top of screen (feet msl)	1066.52	1066.61	1065.89	1065.61	1064.95	1067.22	1065.15	1060.54	1057.93	1050.55
Bottom of screen (feet msl)	1056.52	1056.61	1055.89	1055.61	1054.95	1057.22	1055.15	1050.54	1047.93	1040.55

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

10/2/2012	14.62	14.64	13.63	13.54	13.12	15.75	NI	NI	NI	NI
11/7/2013	14.65	14.65	13.68	13.54	13.12	15.85	9.80	5.58	NI	NI
2/19/2014	USP	14.99	14.10	CNL	13.80	16.14	10.05	W	NI	NI
5/21/2014	13.65	13.70	12.69	12.57	11.99	14.65	8.79	4.67	NI	NI
6/11/2015	13.78	13.92	13.04	12.89	12.35	15.31	9.34	5.42	NI	NI
9/14/2015	14.09	14.10	13.20	12.88	12.55	15.43	9.41	7.36	NI	NI
12/10/2015	14.51	14.56	13.51	13.47	13.16	15.80	9.75	5.61	NI	NI
3/9/2016	14.44	14.46	13.50	13.52	13.20	15.55	9.59	5.48	NI	NI
6/20/2018	12.91	12.96	12.09	11.11	10.65	14.35	7.90	4.19	0.40	20.18
9/4/2018	14.06	14.09	13.04	12.92	12.40	14.35	8.97	Filled In	1.44	18.97
3/21/2019	14.49	14.53	13.54	CNL	13.01	15.52	Destroyed	9.21	CNL	19.61

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

10/2/2012	15.07	15.27	13.95	13.93	13.59	16.18	NI	NI	NI	NI
11/7/2013	15.10	15.28	14.00	13.93	13.59	16.28	10.14	5.98	NI	NI
2/19/2014	USP	15.62	14.42	CNL	14.27	16.57	10.39	W	NI	NI
5/21/2014	14.10	14.33	13.01	12.96	12.46	15.08	9.13	5.07	NI	NI
6/11/2015	14.23	14.55	13.36	13.28	12.82	15.74	9.68	5.82	NI	NI
9/14/2015	14.54	14.73	13.52	13.27	13.02	15.86	9.75	7.76	NI	NI
12/10/2015	14.96	15.19	13.83	13.86	13.63	16.23	10.09	6.01	NI	NI
3/9/2016	14.89	15.09	13.82	13.91	13.67	15.98	9.93	5.88	NI	NI
6/20/2018	13.34	13.56	12.42	11.61	11.12	14.79	8.41	4.75	0.95	20.79
9/4/2018	14.49	14.69	13.37	13.42	12.87	14.79	9.48	Filled In	1.99	19.58
3/21/2019	14.92	15.13	13.87	CNL	13.48	15.96	Destroyed	9.77	CNL	20.22

**Groundwater Elevation (feet msl)**

10/2/2012	1061.47	1061.37	1062.92	1061.59	1061.35	1061.03	NI	NI	NI	NI
11/7/2013	1061.44	1061.36	1062.87	1061.59	1061.35	1060.93	1059.77	1058.90	NI	NI
2/19/2014	USP	1061.02	1062.45	CNL	1060.67	1060.64	1059.52	W	NI	NI
5/21/2014	1062.44	1062.31	1063.86	1062.56	1062.48	1062.13	1060.78	1059.81	NI	NI
6/11/2015	1062.31	1062.09	1063.51	1062.24	1062.12	1061.47	1060.23	1059.06	NI	NI
9/14/2015	1062.00	1061.91	1063.35	1062.25	1061.92	1061.35	1060.16	1057.12	NI	NI
12/10/2015	1061.58	1061.45	1063.04	1061.66	1061.31	1060.98	1059.82	1058.87	NI	NI
3/9/2016	1061.65	1061.55	1063.05	1061.61	1061.27	1061.23	1059.98	1059.00	NI	NI
6/20/2018	1063.18	1063.05	1064.47	1064.00	1063.83	1062.43	1061.24	1060.29	1059.98	1049.76
9/4/2018	1062.03	1061.92	1063.52	1062.19	1062.08	1062.43	1060.17	Filled In	1058.94	1050.97
3/21/2019	1061.60	1061.48	1063.02	CNL	1061.47	1061.26	Destroyed	1055.27	CNL	1050.33

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

NI = Not Installed

USP = Under Snow Pile

CNL = Could Not Locate

W = Water Over Well

**A.7 Slug Test Calculations  
Smith's Union 76 Station**

**MW-1**

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	2.17E-04	6.61E-03	2085.84
	<b>sq ft/s</b>	<b>sq cm/s</b>	
<b>T</b>	1.38E-03	1.28E+00	

**MW-3**

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	2.03E-05	6.19E-04	195.13
	<b>sq ft/s</b>	<b>sq cm/s</b>	
<b>T</b>	1.49E-04	1.38E-01	

**MW-5**

	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	5.77E-06	1.76E-04	55.46
	<b>sq ft/s</b>	<b>sq cm/s</b>	
<b>T</b>	3.98E-05	3.70E-02	

<b>Date</b>	<b>Elv. (High)</b>	<b>Elv. (Low)</b>	<b>Distance (ft)</b>	<b>Hyd Grad (I)</b>
10/2/2012	1062.75	1061.25	92	0.0163043
11/7/2013	1062.50	1059.00	242	0.0144628
2/19/2014	1062.00	1060.00	179	0.0111732
5/21/2014	1063.50	1060.00	246	0.0142276
6/11/2015	1063.00	1060.00	196	0.0153061
9/14/2015	1063.00	1058.00	216	0.0231481
12/10/2015	1063.00	1059.00	251	0.0159363
3/9/2016	1063.00	1059.00	261	0.0153257
6/20/2018	1064.00	1060.00	192	0.0208333
9/4/2018	1063.00	1051.00	576	0.0208333
3/21/2019	1062.00	1056.00	221	0.0271493

**Average** 0.0177000

	<b>K (m/yr)</b>	<b>I</b>	<b>n</b>	<b>Flow Velocity (m/yr)</b>
<b>MW-1</b>	2085.84	0.0177000	0.3	123.06456
<b>MW-3</b>	195.13	0.0177000	0.3	11.51267
<b>MW-5</b>	55.46	0.0177000	0.3	3.27214

**A.7 Other**  
**Groundwater NA Indicator Results**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-1**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
10/02/12	0.36	6.81	57	14.3	189.00	0.39	8.12	<b>1970</b>	75.3
11/07/13	2.00	6.45	63	11.1	145.10	<0.1	6.92	0.16	27.8
02/19/14	COULD NOT LOCATE – UNDER SNOW PILE					NS	NS	NS	NS
05/21/14	0.80	6.08	105	5.5	590.00	NS	NS	NS	NS
06/11/15	3.50	6.98	122	12.2	305.40	NS	NS	NS	NS
09/14/15	1.37	6.76	-21	14.7	259.00	NS	NS	NS	NS
12/10/15	2.06	6.54	176	11.1	223.00	NS	NS	NS	NS
03/09/16	2.98	6.07	199	8.6	360.00	NS	NS	NS	NS
06/20/18	3.83	7.27	12.1	8.77	486.00	NS	NS	NS	NS
09/04/18	3.00	5.95	-7.0	14.56	241.00	NS	NS	NS	NS
03/21/19	3.52	7.81	-78.3	6.61	220.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
10/02/12	0.08	6.76	52	14.4	205.80	0.39	6.37	<b>2290</b>	106
11/07/13	0.78	6.36	29	10.7	165.60	0.3	5.60	2.32	68.4
02/19/14	0.26	6.11	111	8.7	145.60	NS	NS	NS	NS
05/21/14	0.03	6.91	28	8.0	710.00	NS	NS	NS	NS
06/11/15	1.94	7.00	108	10.1	356.50	NS	NS	NS	NS
09/14/15	0.89	6.88	-79	15.9	299.00	NS	NS	NS	NS
12/10/15	5.02	6.35	275	7.2	754.00	NS	NS	NS	NS
03/09/16	2.08	6.79	14	8.9	1247.00	NS	NS	NS	NS
06/20/18	3.28	7.68	-51.1	8.55	455.00	NS	NS	NS	NS
09/04/18	2.96	5.75	-75.3	14.21	297.00	NS	NS	NS	NS
03/21/19	3.26	7.01	-162.3	6.91	194.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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.7 Other**  
**Groundwater NA Indicator Results**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-3**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
10/02/12	1.33	5.93	243	10.9	202.40	0.73	12	<60	23.2
11/07/13	6.12	6.93	136	10.7	1524.00	0.3	6.82	0.06	24.5
02/19/14	5.95	5.82	351	7.5	157.30	NS	NS	NS	NS
05/21/14	7.53	5.67	354	5.9	142.60	NS	NS	NS	NS
06/11/15	5.88	7.56	259	10.4	271.70	NS	NS	NS	NS
09/14/15	6.27	6.56	289	13.4	247.00	NS	NS	NS	NS
12/10/15	7.69	6.47	221	9.6	185.00	NS	NS	NS	NS
03/09/16	3.44	5.58	233	8.7	183.00	NS	NS	NS	NS
06/20/18	3.70	9.18	96.5	8.70	161.00	NS	NS	NS	NS
09/04/18	3.31	6.59	47.8	12.14	231.00	NS	NS	NS	NS
03/21/19	3.47	8.12	-93.1	6.89	228.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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-4**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
10/02/12	0.40	6.51	229	14.0	203.40	0.16	6.72	80	78.7
11/07/13	0.24	6.27	192	13.1	316.60	0.5	7.62	0.16	194
02/19/14	COULD NOT LOCATE					NS	NS	NS	NS
05/21/14	0.06	5.73	150	4.5	522.00	NS	NS	NS	NS
06/11/15	1.30	6.85	240	8.4	391.20	NS	NS	NS	NS
09/14/15	1.55	6.96	-27	14.6	353.00	NS	NS	NS	NS
12/10/15	2.95	6.15	228	12.7	248.00	NS	NS	NS	NS
03/09/16	3.68	6.27	269	8.8	510.00	NS	NS	NS	NS
06/20/18	3.33	7.24	95.2	14.15	7.00	NS	NS	NS	NS
09/04/18	2.89	5.89	1.0	15.39	335.00	NS	NS	NS	NS
03/21/19	COULD NOT LOCATE					NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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.7 Other**  
**Groundwater NA Indicator Results**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-5**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
10/02/12	0.18	7.08	-16	14.9	461.50	0.38	7.24	<b>6660</b>	<b>414</b>
11/07/13	1.00	6.52	-48	12.3	332.20	<0.1	4.62	<b>6.23</b>	<b>287</b>
02/19/14	0.28	6.4	56	8.1	533.00	NS	NS	NS	NS
05/21/14	0.92	6.51	61	7.9	3295.00	NS	NS	NS	NS
06/11/15	2.22	7.24	-88	11.2	522.00	NS	NS	NS	NS
09/14/15	1.31	6.99	-85	16.9	604.00	NS	NS	NS	NS
12/10/15	2.19	6.54	-13	11.9	677.00	NS	NS	NS	NS
03/09/16	2.36	6.78	86	9.0	1258.00	NS	NS	NS	NS
06/20/18	3.07	6.88	70.1	11.43	838.00	NS	NS	NS	NS
09/04/18	2.90	6.19	-27.4	16.16	963.00	NS	NS	NS	NS
03/21/19	3.35	7.75	-206.6	7.64	1198.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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-6**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
10/02/12	0.10	6.99	-32	14.0	1703.00	0.29	4.44	<b>32500</b>	<b>1760</b>
11/07/13	0.95	6.52	-45	11.0	2278.00	<0.1	<3.4	<b>39.6</b>	<b>4230</b>
02/19/14	0.97	6.26	-46	8.6	320.50	NS	NS	NS	NS
05/21/14	0.99	6.96	-80	9.4	1638.00	NS	NS	NS	NS
06/11/15	1.76	8.7	-71	11.4	150.60	NS	NS	NS	NS
09/14/15	0.88	7.42	-44	15.0	1706.00	NS	NS	NS	NS
12/10/15	1.99	6.67	-14	10.9	788.00	NS	NS	NS	NS
03/09/16	1.77	7.23	-54	9.1	1267.00	NS	NS	NS	NS
06/20/18	3.25	6.85	-159.6	8.68	1788.00	NS	NS	NS	NS
09/04/18	2.93	6.45	-94.6	14.65	1490.00	NS	NS	NS	NS
03/21/19	3.42	7.64	-154.1	7.61	689.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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.7 Other**  
**Groundwater NA Indicator Results**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-7**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
11/07/13	1.46	6.38	35	10.8	753.00	0.4	<3.4	<b>14.3</b>	<b>1110</b>
02/19/14	8.62	7.12	60	2.8	4536.00	NS	NS	NS	NS
05/21/14	6.98	6.44	140	5.9	312.90	NS	NS	NS	NS
06/11/15	3.92	10.22	65	14.1	542.00	NS	NS	NS	NS
09/14/15	1.72	6.6	250	16.2	330.00	NS	NS	NS	NS
12/10/15	2.54	6.68	87	9.3	385.00	NS	NS	NS	NS
03/09/16	2.77	6.43	136	8.9	712.00	NS	NS	NS	NS
06/20/18	3.39	7.37	120.7	13.13	427.00	NS	NS	NS	NS
09/04/18	3.00	5.94	50.7	16.11	400.00	NS	NS	NS	NS
03/21/19	DESTROYED					NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL – Italics</i>						2	125	0.15	60

(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-8**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
11/07/13	1.23	6.17	129	10.2	256.70	<0.1	10.6	<b>0.35</b>	<b>104</b>
02/19/14	COULD NOT ACCESS – WATER RUNNING OVER WELL					NS	NS	NS	NS
05/21/14	3.22	6.56	251	8.7	250.00	NS	NS	NS	NS
06/11/15	3.92	10.22	65	14.1	542.00	NS	NS	NS	NS
09/14/15	2.56	6.63	255	16.3	260.00	NS	NS	NS	NS
12/10/15	2.67	6.27	196	8.4	238.00	NS	NS	NS	NS
03/09/16	3.19	6.54	211	8.6	1015.00	NS	NS	NS	NS
06/20/18	3.19	7.95	77.0	15.66	171.00	NS	NS	NS	NS
09/04/18	ROAD GRADER FILLED IN TO 1.5'					NS	NS	NS	NS
03/21/19	3.49	7.55	-90.7	6.55	385.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES – Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL – Italics</i>						2	125	0.15	60

(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.7 Other**  
**Groundwater NA Indicator Results**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

**Well MW-9**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
06/20/18	3.64	7.62	36.2	11.16	61.00	NS	NS	NS	NS
09/04/18	2.87	5.41	14.8	16.73	106.00	NS	NS	NS	NS
03/21/19	COULD NOT LOCATE					NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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-10**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Manganese (ppb)
06/20/18	3.77	8.68	100.7	7.63	203.00	NS	NS	NS	NS
09/04/18	3.21	6.23	66.8	12.11	244.00	NS	NS	NS	NS
03/21/19	3.32	7.21	-82.8	8.22	267.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = <b>ES - Bold</b>						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						2	125	0.15	60

(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.7. Summary of Free Product Levels and Recovery**  
**Smith's Union 76 LUST Site BRRTS# 03-16-000069**

DATE		MW-6	GALS REC./PERIOD	TOTAL GALS RECOVERED
10/2/2012	Inches of FP	0	0.00	0
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		
11/7/2013	Inches of FP	0	0.00	0
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		
2/19/2014	Inches of FP	0	0.00	0
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		
5/21/2014	Inches of FP	2	0.09	0.09
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0.09		
6/11/2015	Inches of FP	1.32	0.04	0.13
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0.0431		
9/14/2015	Inches of FP	2.4	0.05	0.18
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0.0528		
12/10/2015	Inches of FP	0	0.00	0.18
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		
3/9/2016	Inches of FP	0	0.00	0.18
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		
6/20/2018	Inches of FP	3	0.02	0.2
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0.02		
9/4/2018	Inches of FP	0	0.00	0.2
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		
3/21/2019	Inches of FP	0	0.00	0.2
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		
2/19/2020	Inches of FP	0	0.00	0.2
	Gals Rec. w/ Absorbent Sock	No Sock		
	Gals Rec. w/ Bailer	0		

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

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

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

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

#### **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.1 Geologic Cross-Section Map**

#### **B.3.a.2 Geologic Cross-Section Map (close up)**

#### **B.3.a.3 Geologic Cross-Section Figure**

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

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

#### **B.3.d Monitoring Wells**

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

#### **B.4.a Vapor Intrusion Map**

B.4.b Other media of concern - No surface waters or sediments were assessed as part of the site investigation.

B.4.c Other – Not applicable.

B.5 Structural Impediment Photos – There were no structural impediments to the completion of the investigation.


TOPO! map printed on 06/28/12 from "wisconsin.tpo" and "Untitled.tpg"  
91°50.000' W WGS84 91°49.000' W



<b>B.1.a LOCATION MAP</b>
<b>CONTOUR INTERVAL 10 FEET</b>
<b>SMITH'S UNION 76 – SOLON SPRINGS, WI</b>
<b>SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM</b>

**B.I.b. DETAILED  
SITE MAP**


**SMITH'S UNION 76 STATION**



709 Gillette Street, Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8853

**SOLON SPRINGS,  
WISCONSIN**

DRAWN BY: ED    DATE: 06/27/2012  
UPDATED BY: BK    DATE: 8/08/2015

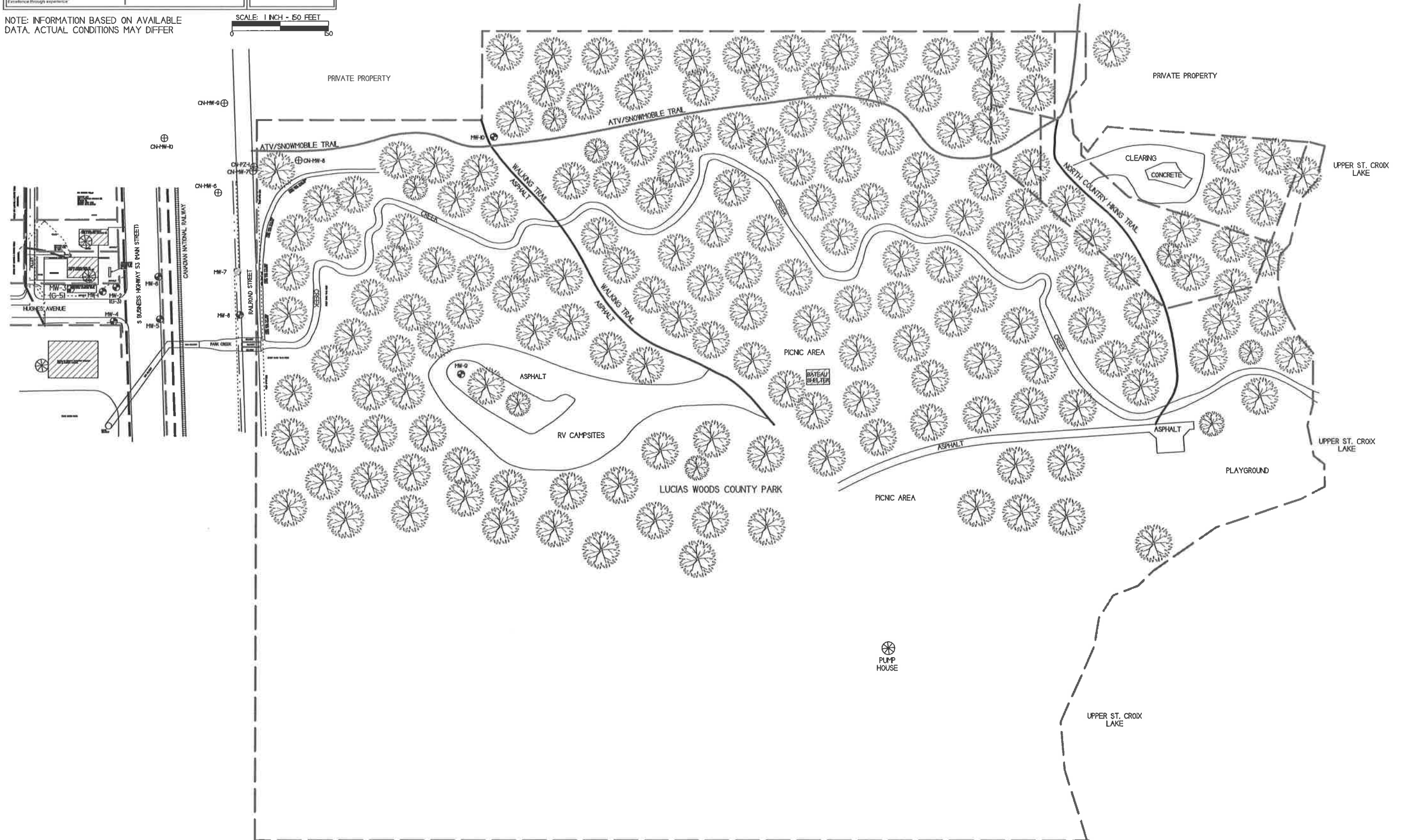


- ⊕ - MONITORING WELL LOCATION
- ⊖ - MONITORING WELL LOCATION (MISSING/DESTROYED)
- ⊕ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- ⊗ - POTABLE WELL LOCATION

- ==== - OVERHEAD LINES
- - BURIED ELECTRIC
- ..... - TELEPHONE LINE
- - NATURAL GAS
- - SANITARY SEWER
- - PROPERTY LINE

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

SCALE: 1 INCH = 50 FEET



**B.I.b. DETAILED SITE MAP**

**SMITH'S UNION 76 STATION**

130 Folsom Street, Suite 3  
La Crosse, WI 54601  
Tel: (608) 785-8075  
Fax: (608) 785-8082

SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATE: 06/27/2008  
UPDATED BY: HF DATE: 07/04/2008

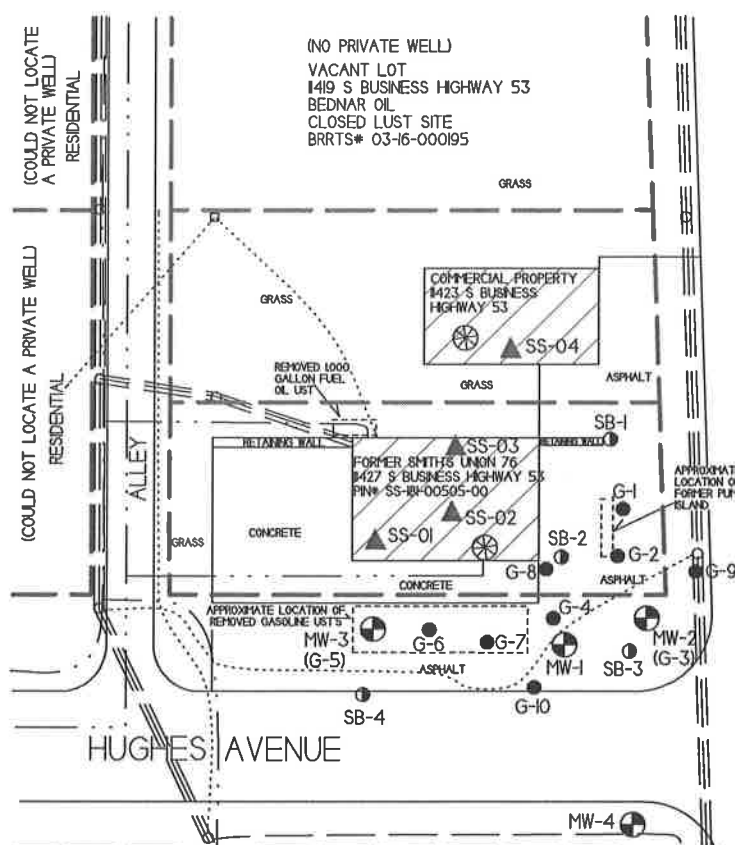
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE



- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

CN-MW-10



S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

PARK CREEK

RAILROAD STREET

CN-PZ-1  
CN-MW-7

CN-MW-6

CN-MW-9

CN-MW-8

MW-10

MW-9

ATV/SNOWMOBILE TRAIL

WALKING TRAIL  
ASPHALT

FEED OPTIC LINE

FEED OPTIC LINE

FEED OPTIC LINE

STEEP BANK 15-20 FEET LOWER THAN ROADWAY

STEEP BANK 15-20 FEET LOWER THAN ROADWAY

STEEP BANK 15-20 FEET LOWER THAN ROADWAY

STEEP BANK 15-20 FEET LOWER THAN ROADWAY

STEEP BANK 10-12 FEET

CULVERT

CULVERT

CULVERT

STEEP BANK 10-12 FEET

PRIVATE PROPERTY

CREEK

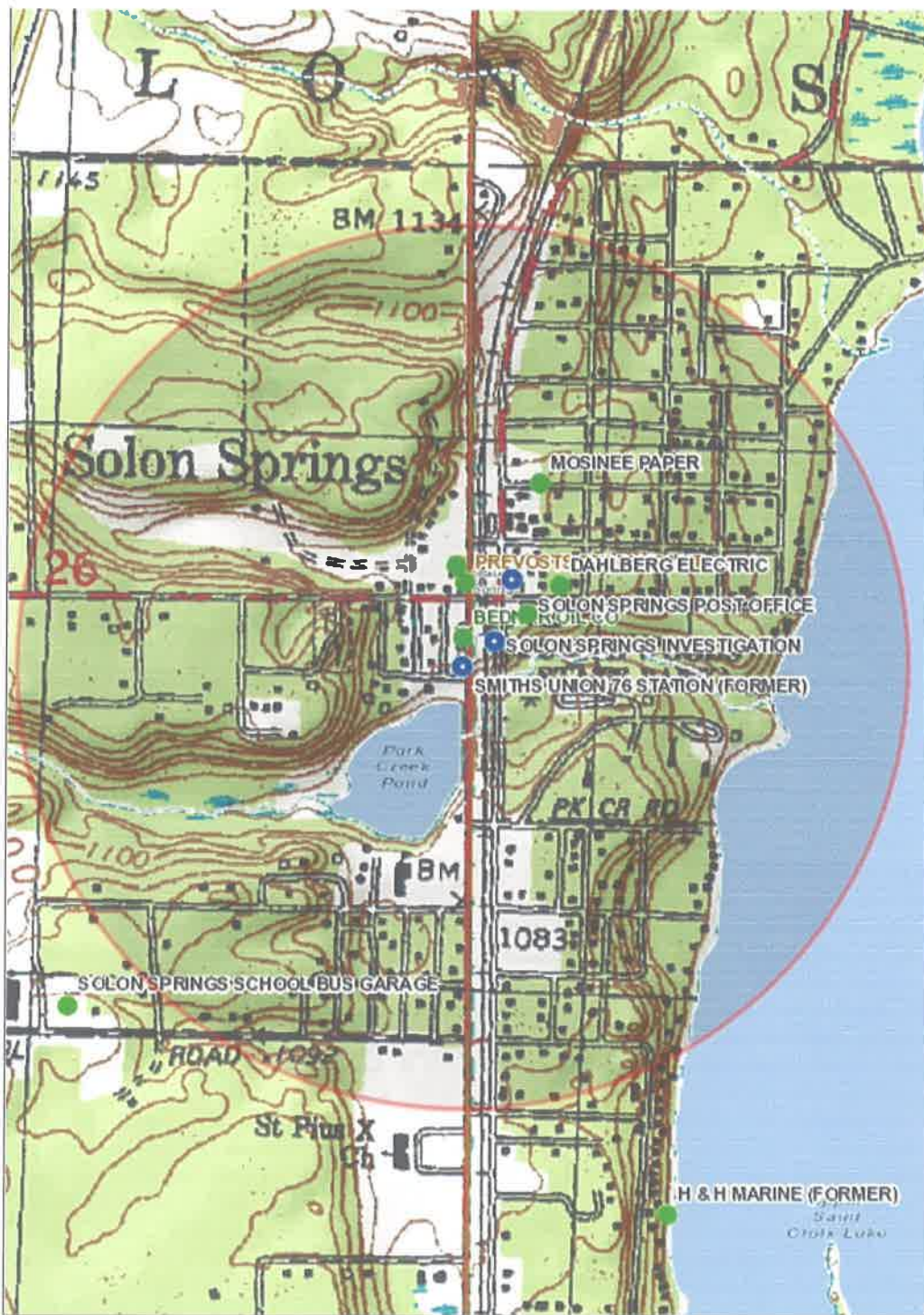
CREEK

CREEK

STEEP BANK 10-12 FEET



# 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 F (DERF)
- Green Space Grant (2004-2009)
- Ready for Reuse
- Site Assessment Grant (2001-2009)
- State Funded Response
- Sustainable Urban Development Zon
- General Liability Clarification Letters
- Superfund NPL
- Voluntary Party Liability Exemption
- Rivers and Streams
- Open Water

0.4 0 Distance / 2 0.4 Miles

1: 11,528



NAD\_1983\_HARN\_Wisconsin\_TM


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

**B.2.a. SOIL CONTAMINATION**  
**SMITH'S UNION 76 STATION**

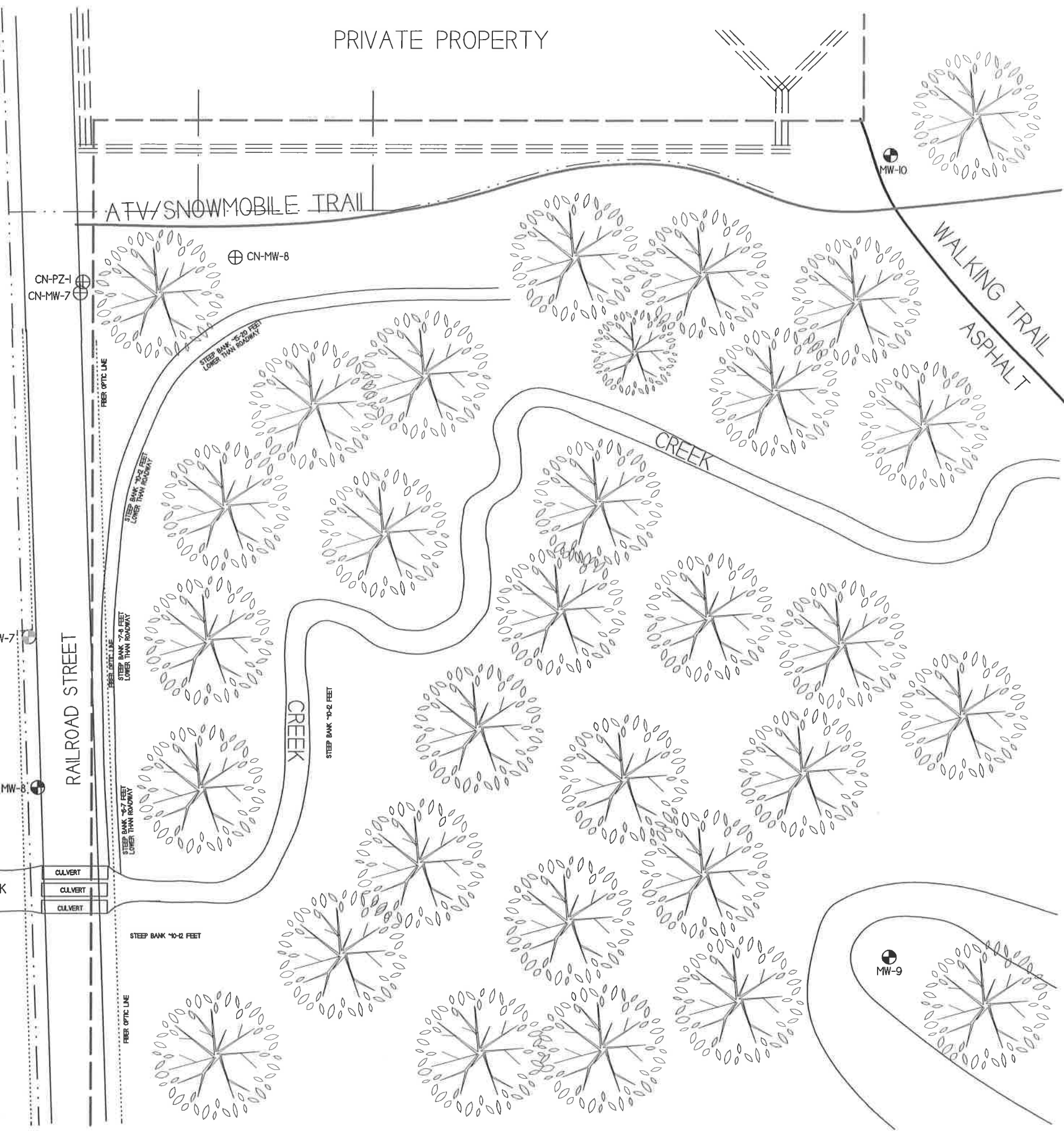
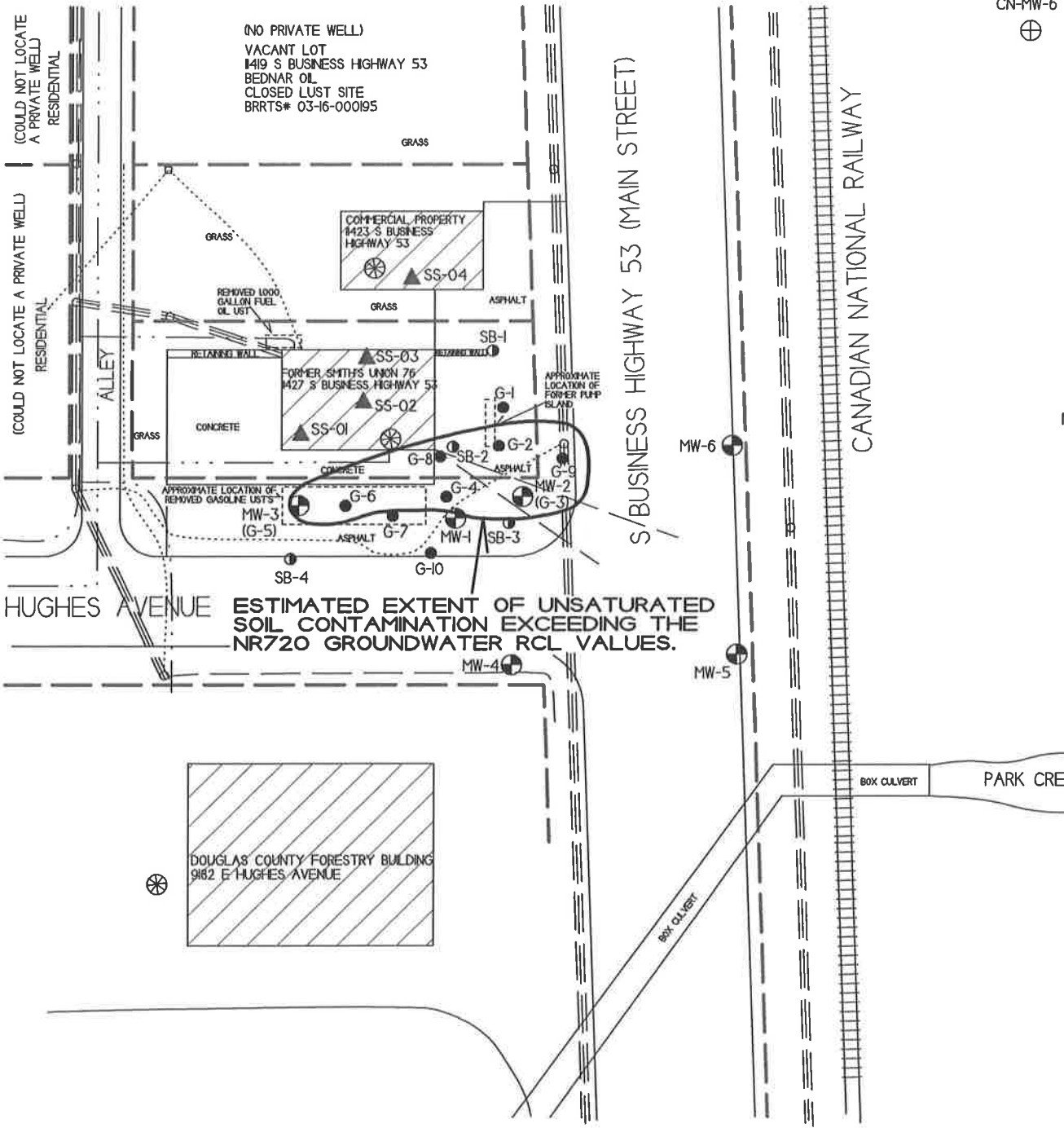
1000 North Lincoln, Suite 200  
 1400 North Lincoln, Suite 200  
 METCO  
 SOLON SPRINGS, WISCONSIN  
 BRANCH BY: SD DATE: 04/27/2008  
 UPDATED BY: AP DATE: 07/04/2008



- ⊙ - MONITORING WELL LOCATION
- ⊙ - MONITORING WELL LOCATION (MISSING/DESTROYED)
- ⊕ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- - GEOPROBE BORING LOCATION
- ⊙ - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊕ - POTABLE WELL LOCATION

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

- ==== OVERHEAD LINES
- BURIED ELECTRIC
- - - TELEPHONE LINE
- - - NATURAL GAS
- - - SANITARY SEWER
- - - PROPERTY LINE





**B.2.b. RESIDUAL SOIL CONTAMINATION**  
**SMITH'S UNION 76 STATION**

700 Dakota Street, Suite 100  
 La Crosse, WI 54601  
 Tel: (608) 785-4879  
 Fax: (608) 781-8833

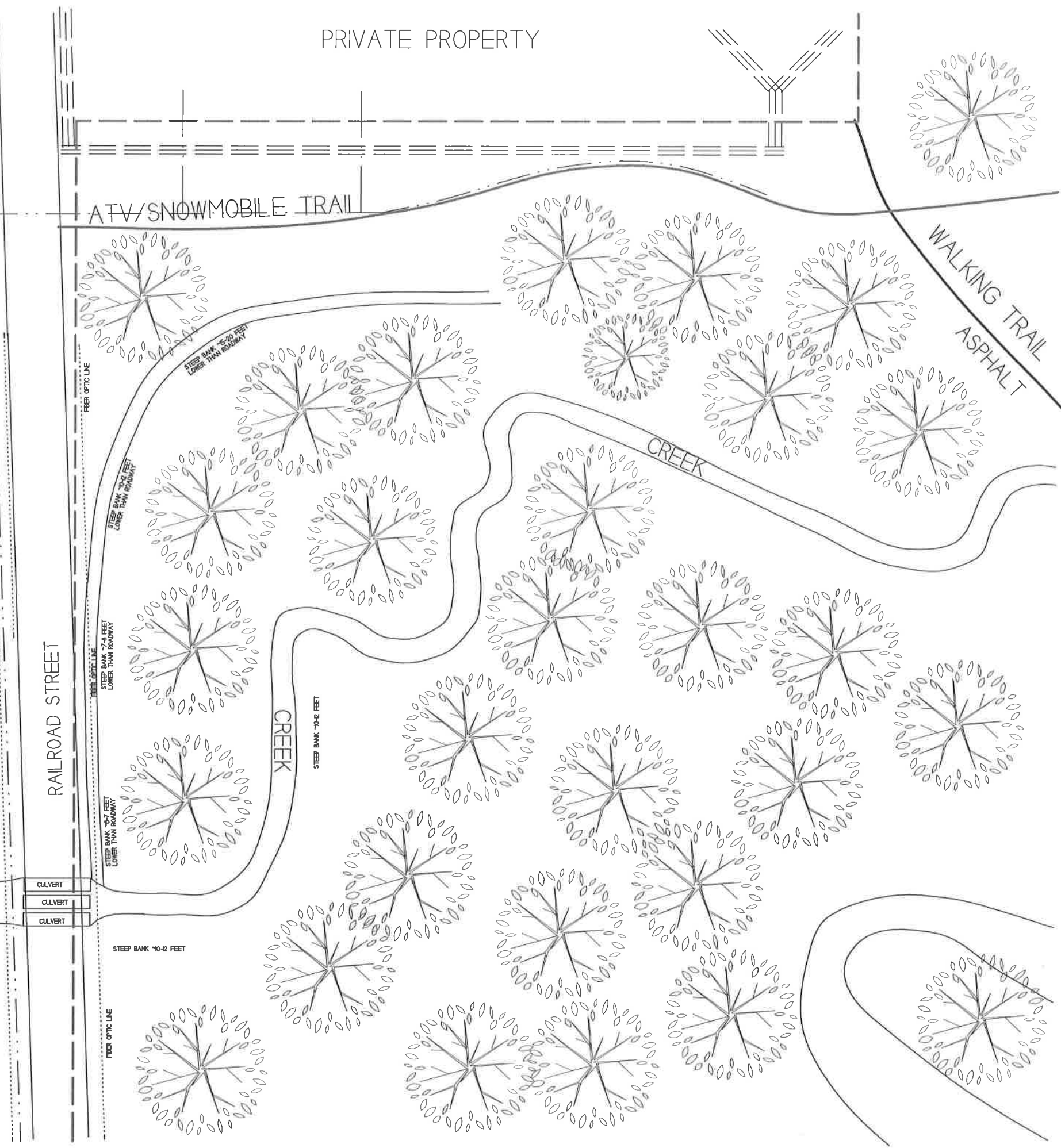
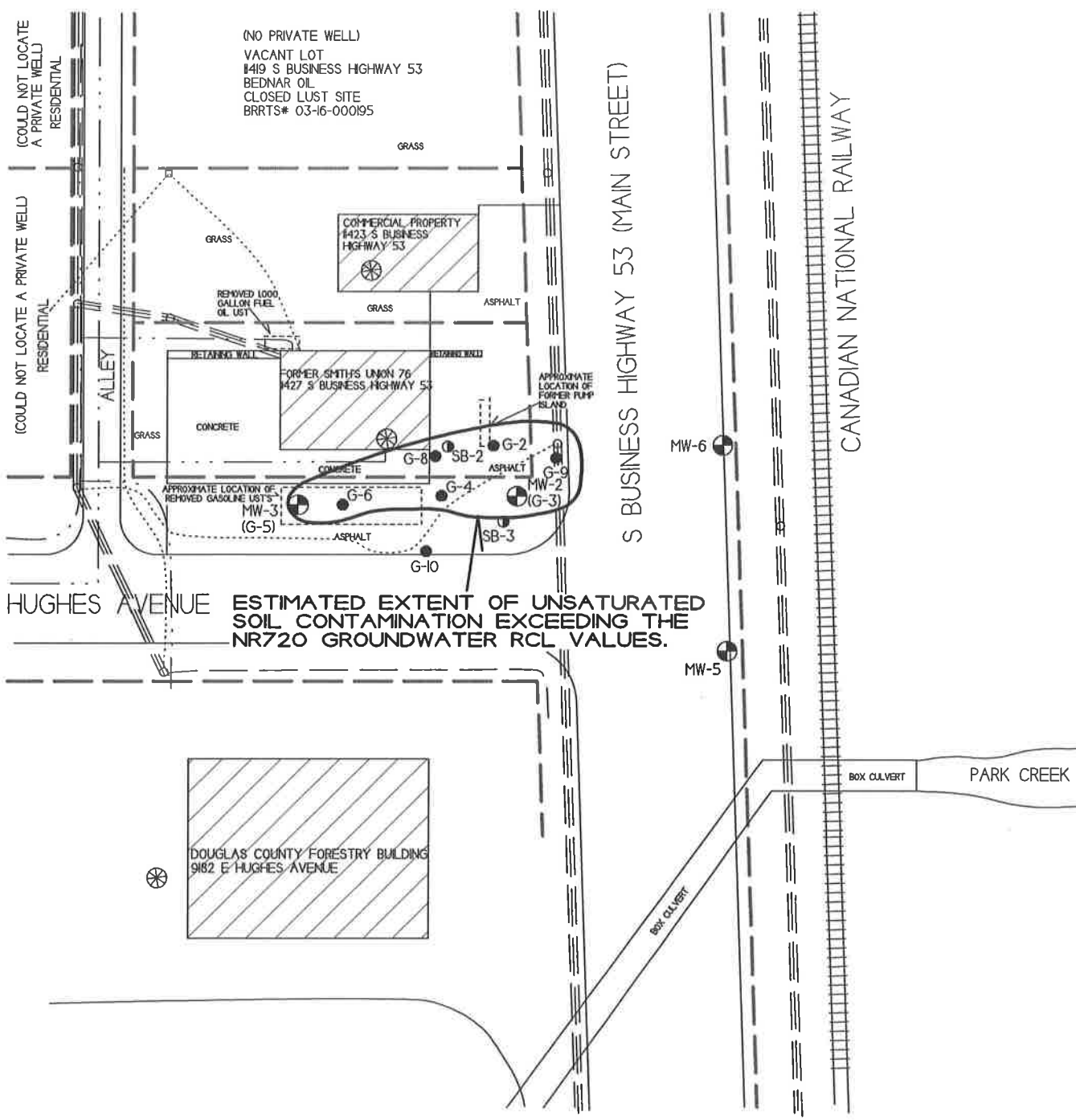
**SOLON SPRINGS, WISCONSIN**

DRAWN BY: ED DATE: 04/27/2008  
 UPDATED BY: RP DATE: 07/04/2009

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

- - MONITORING WELL LOCATION
- - GEOPROBE BORING LOCATION
- - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION

- — — — — OVERHEAD LINES
- - - - - BURIED ELECTRIC
- · - · - · TELEPHONE LINE
- · - · - · NATURAL GAS
- · - · - · SANITARY SEWER
- - - - - PROPERTY LINE



**B.3.a.I. GEOLOGIC CROSS SECTION MAP**  
**SMITH'S UNION 76 STATION**

700 Dakota Street, Suite 3  
 La Crosse, WI 54601  
 Tel: (608) 785-8879  
 Fax: (608) 785-8853

**SOLON SPRINGS, WISCONSIN**

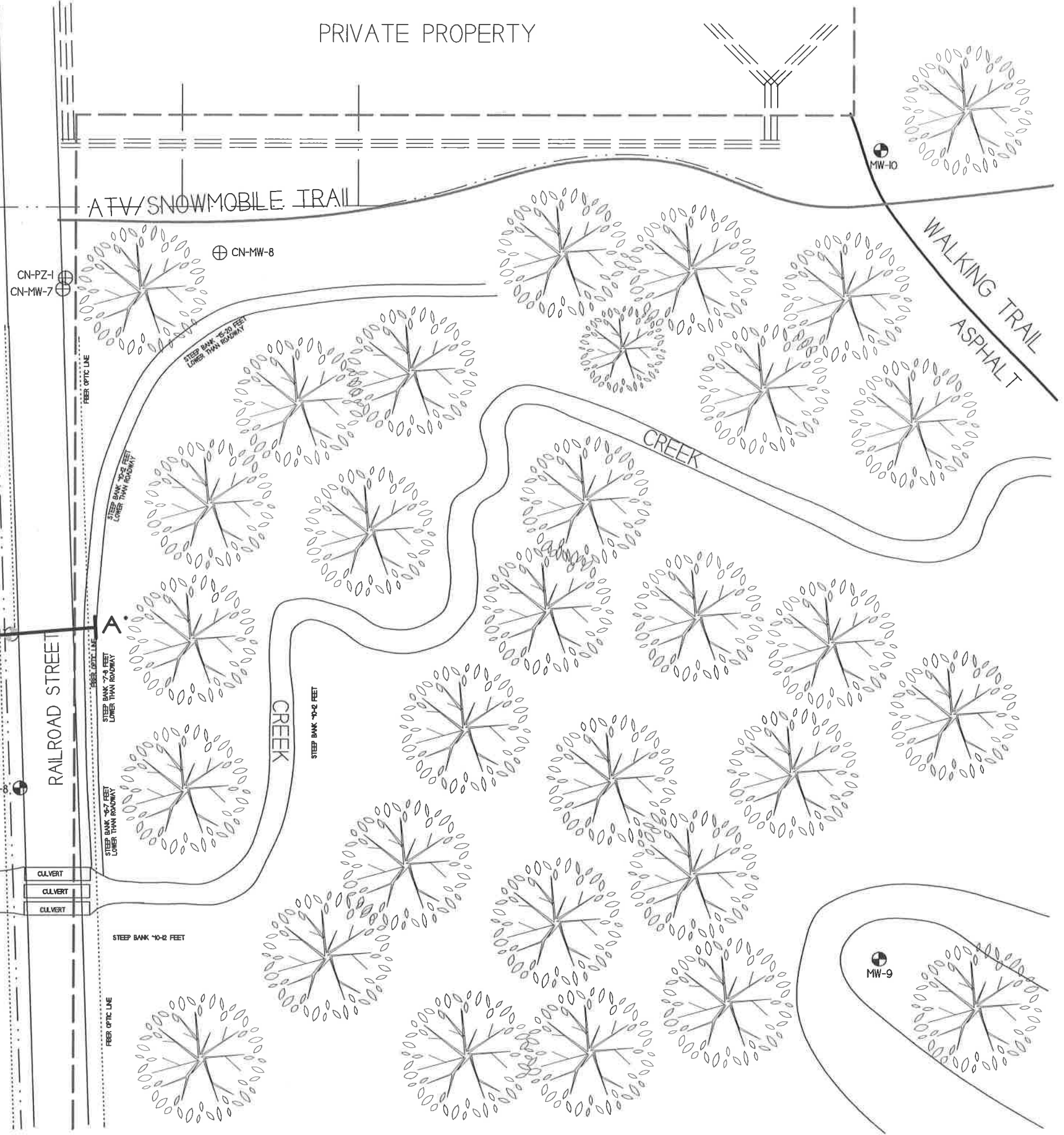
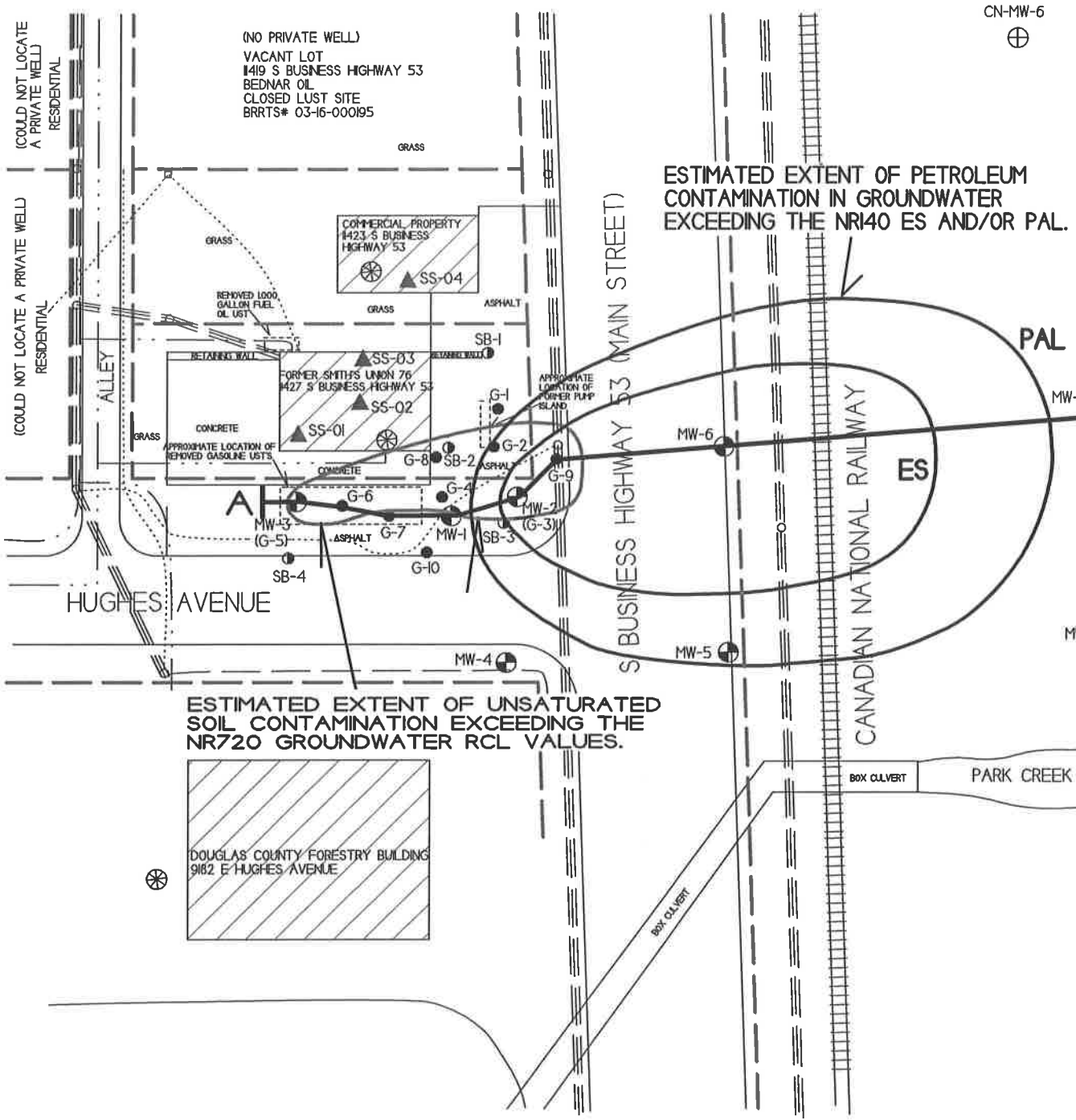
DRAWN BY: ED DATE: 06/27/2008  
 UPDATED BY: RF DATE: 07/06/2008

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

- ⊕ - MONITORING WELL LOCATION
- ⊖ - MONITORING WELL LOCATION (MISSING/DESTROYED)
- ⊕ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- - GEOPROBE BORING LOCATION
- ⊙ - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION

- ==== OVERHEAD LINES
- BURIED ELECTRIC
- ..... TELEPHONE LINE
- - - - NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

SCALE: 1 INCH = 50 FEET



B.3.a.2. GEOLOGIC CROSS SECTION MAP (UP CLOSE)

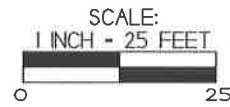
SMITH'S UNION 76 STATION



SOLON SPRINGS, WISCONSIN

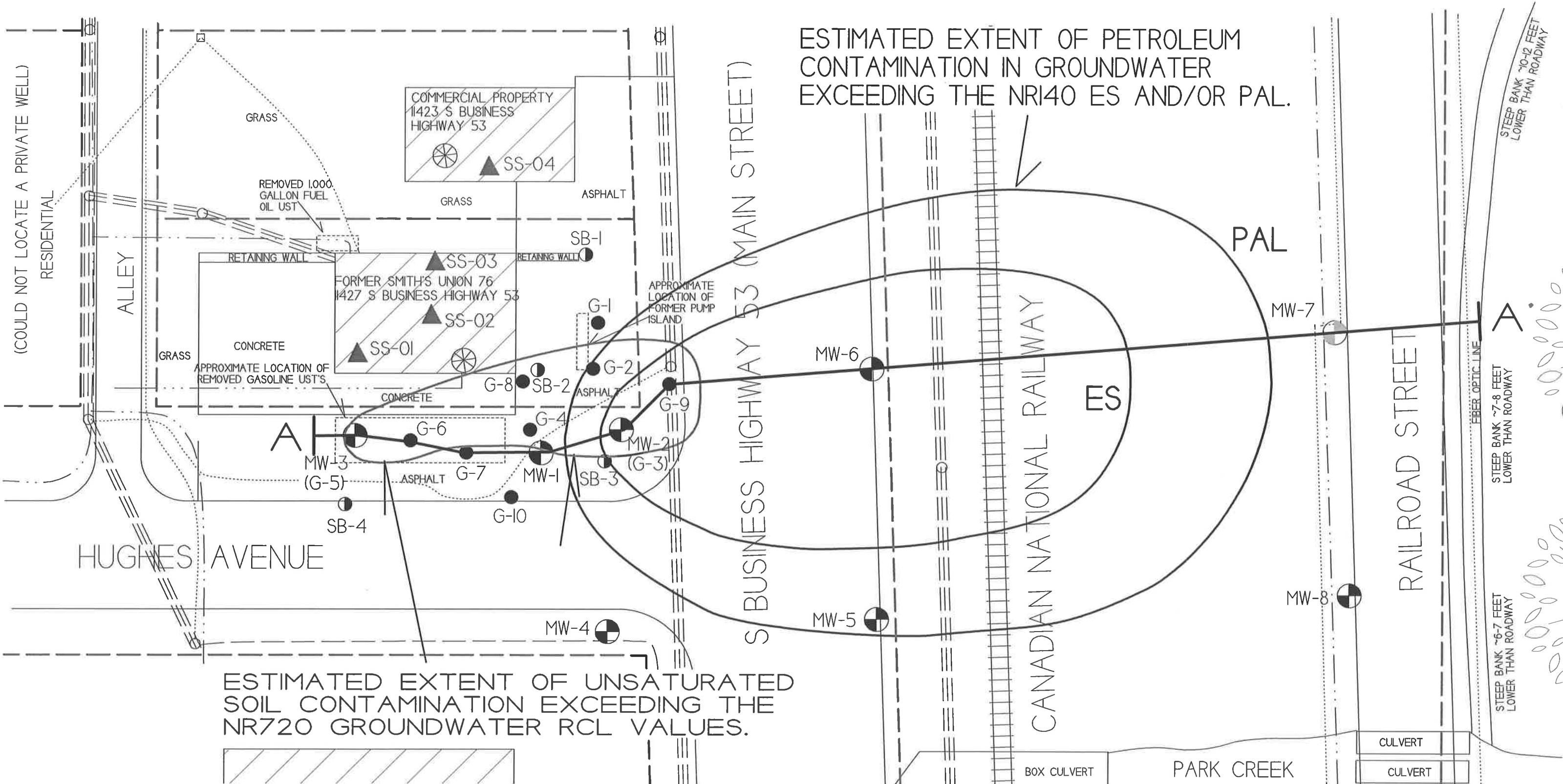
DRAWN BY: ED DATE: 06/27/2012  
 UPDATED BY: KF DATE: 07/08/2019

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



- ==== - OVERHEAD LINES
- - BURIED ELECTRIC
- ..... - TELEPHONE LINE
- - NATURAL GAS
- - SANITARY SEWER
- - PROPERTY LINE

- - MONITORING WELL LOCATION
- - MONITORING WELL LOCATION (MISSING/DESTROYED)
- - GEOPROBE BORING LOCATION
- - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION



(COULD NOT LOCATE A PRIVATE WELL)

RESIDENTIAL

ALLEY

S BUSINESS HIGHWAY 53 (MAIN STREET)

CANADIAN NATIONAL RAILWAY

RAILROAD STREET

STEEP BANK ~10-12 FEET LOWER THAN ROADWAY

STEEP BANK ~7-8 FEET LOWER THAN ROADWAY

STEEP BANK ~6-7 FEET LOWER THAN ROADWAY

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL VALUES.

A

CULVERT

CULVERT

BOX CULVERT

PARK CREEK

# B.3.a.3. GEOLOGIC CROSS SECTION FIGURE SMITH'S UNION 76 STATION

**METCO**  
709 Gillette St, Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8893

SOLON SPRINGS,  
WISCONSIN

DRAWN BY: BW DATE: 06/03/2014  
UPDATED BY: KF DATE: 07/09/2019

INFORMATION BASED ON AVAILABLE DATA.  
ACTUAL CONDITIONS MAY DIFFER.

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

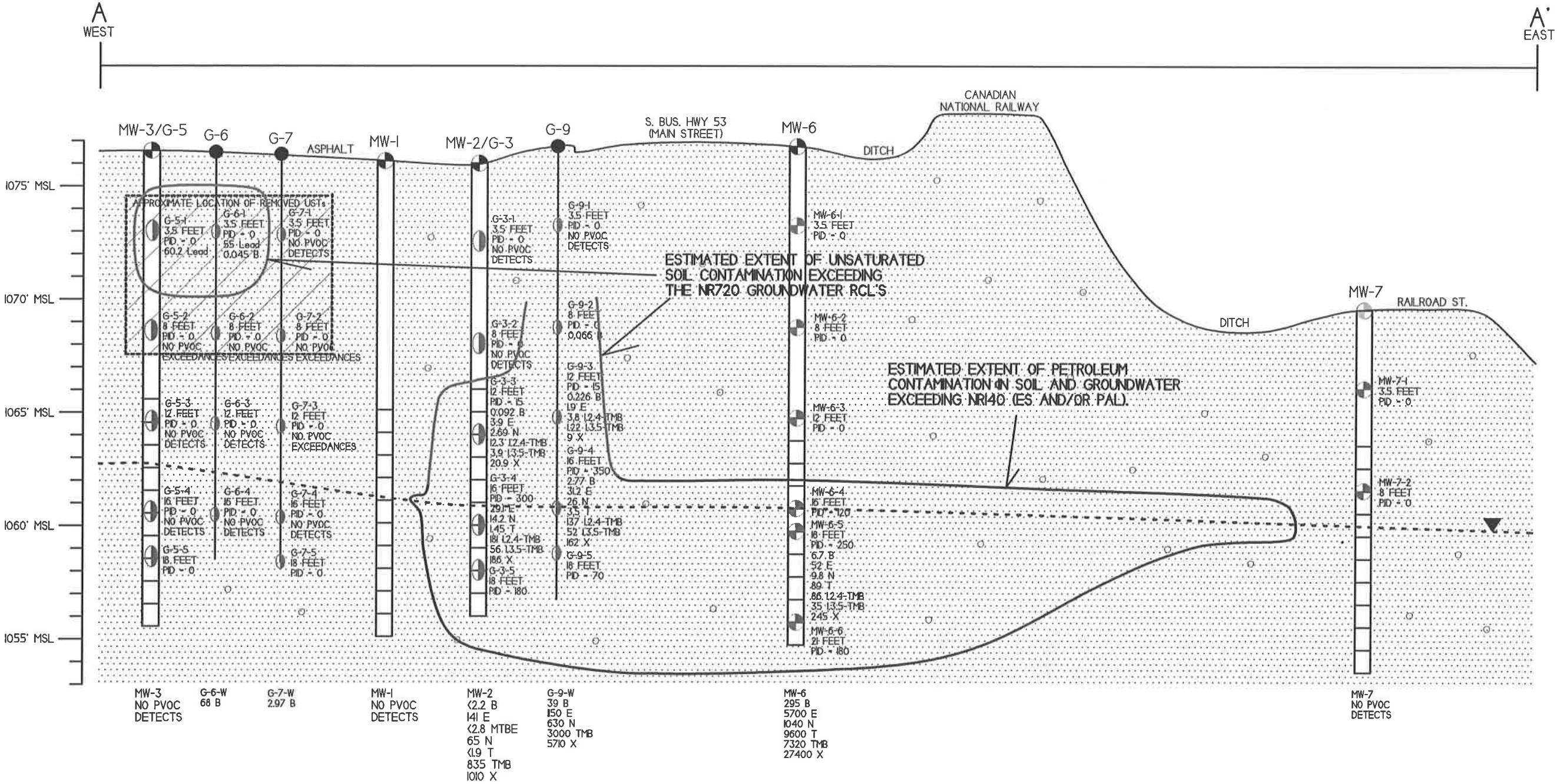
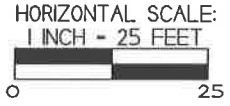
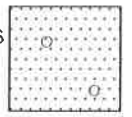
GROUNDWATER SAMPLE RESULTS ARE  
PRESENTED IN PARTS PER BILLION (PPB).

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

NOTE: SOIL AND GROUNDWATER SAMPLE  
DATA IS BASED ON LABORATORY RESULTS  
FROM SAMPLES COLLECTED DURING THE:  
GEOPROBE/DRILLING PROJECTS - (9/18-20/2012 & 9/25/2013)  
ROUND II GROUNDWATER SAMPLING - (3/21/2019)

- - GEOPROBE BORING LOCATION
- - GEOPROBE BORING SAMPLING LOCATION
- - MONITORING WELL LOCATION (MISSING/DESTROYED)
- - MONITORING WELL LOCATION
- - MONITORING WELL SAMPLING LOCATION
- ▼ - WATERTABLE

- PID - PHOTO IONIZATION DETECTOR
- PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
- B - BENZENE
- E - ETHYLBENZENE
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE




B.3.b. GROUNDWATER ISOCONCENTRATION (3/21/19)  
SMITH'S UNION 76 STATION

**METCO**  
269 Colgate Street, Suite 100  
La Crosse, WI 54603  
Tel: (608) 785-8879  
Fax: (608) 781-8803








**SOLON SPRINGS, WISCONSIN**  
SOLON SPRINGS, WISCONSIN  
SOLON SPRINGS, WISCONSIN

ISSUED BY: JH  
DATE: 06/27/2018  
UPDATED BY: JH  
DATE: 07/06/2018

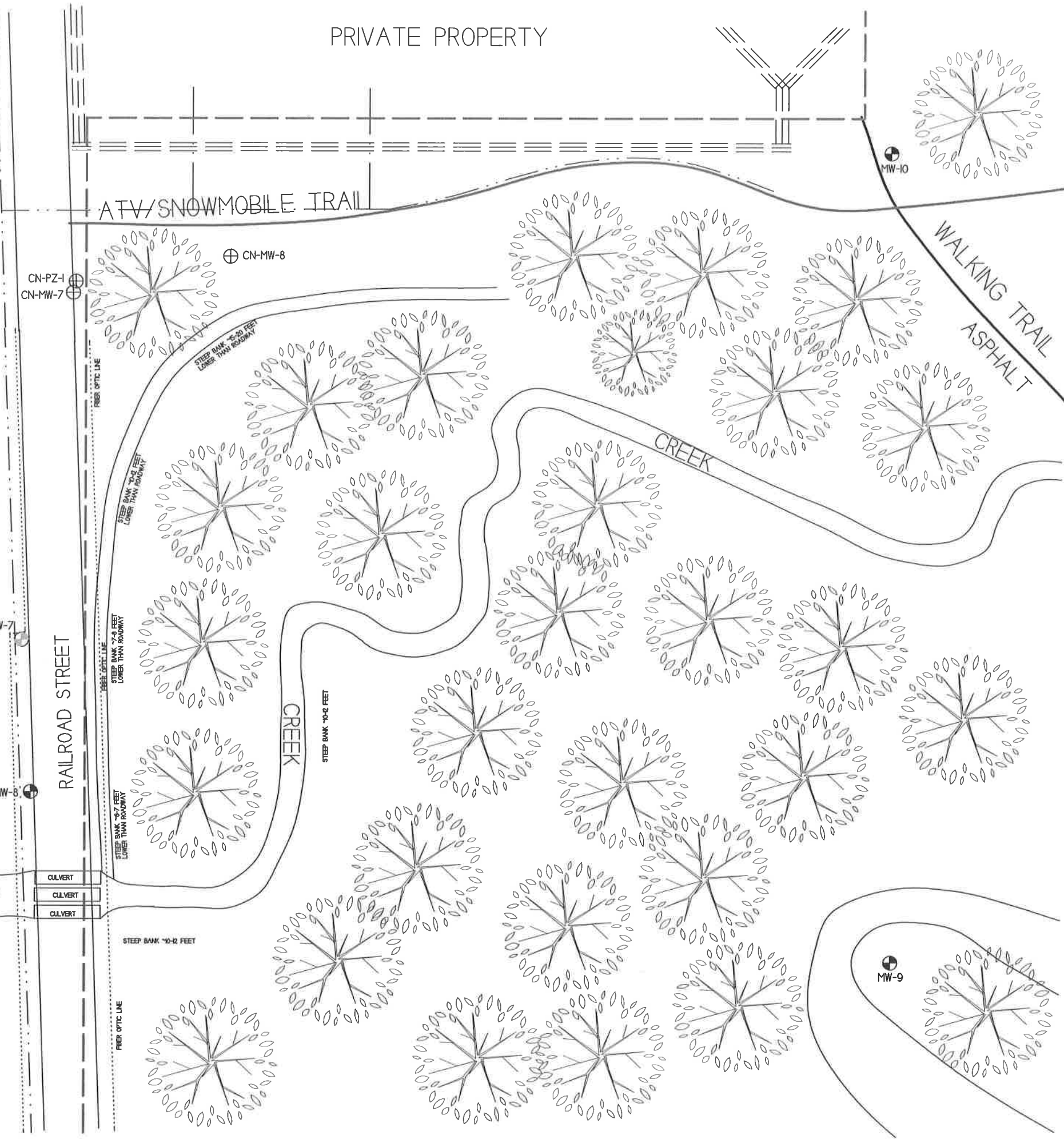
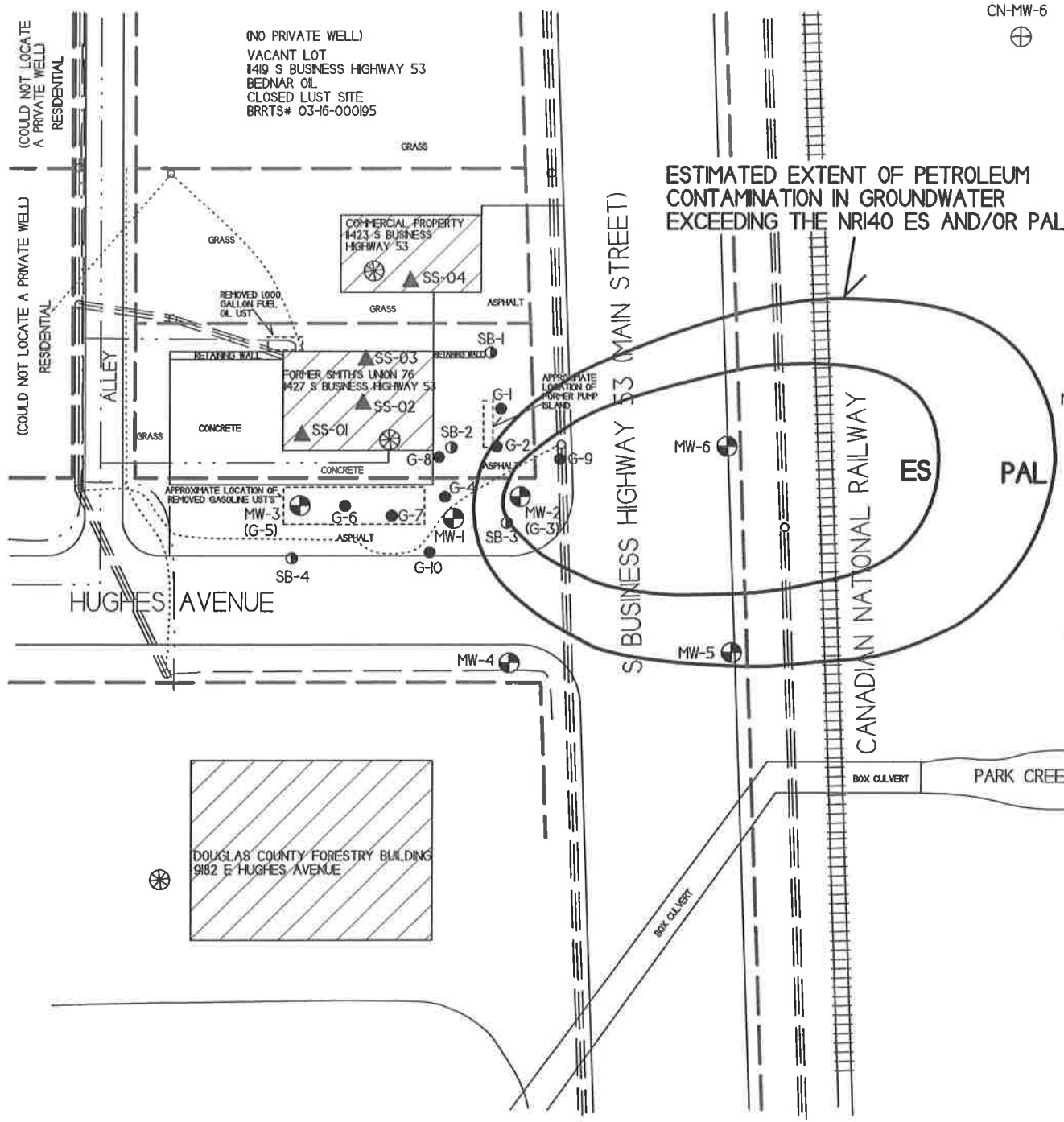


NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

-  OVERHEAD LINES
-  BURIED ELECTRIC
-  TELEPHONE LINE
-  NATURAL GAS
-  SANITARY SEWER
-  PROPERTY LINE

-  MONITORING WELL LOCATION
-  MONITORING WELL LOCATION (MISSING/DESTROYED)
-  MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
-  GEOPROBE BORING LOCATION
-  SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
-  SUB SLAB VAPOR SAMPLING LOCATION
-  POTABLE WELL LOCATION

SCALE: 1 INCH = 50 FEET

**B.3.c. GROUNDWATER FLOW DIRECTION (3/21/19)**  
**SMITH'S UNION 76 STATION**

**METCO**  
 700 Gillette Street, Suite 100  
 La Crosse, WI 54601  
 Tel: (608) 785-4870  
 Fax: (608) 785-9893

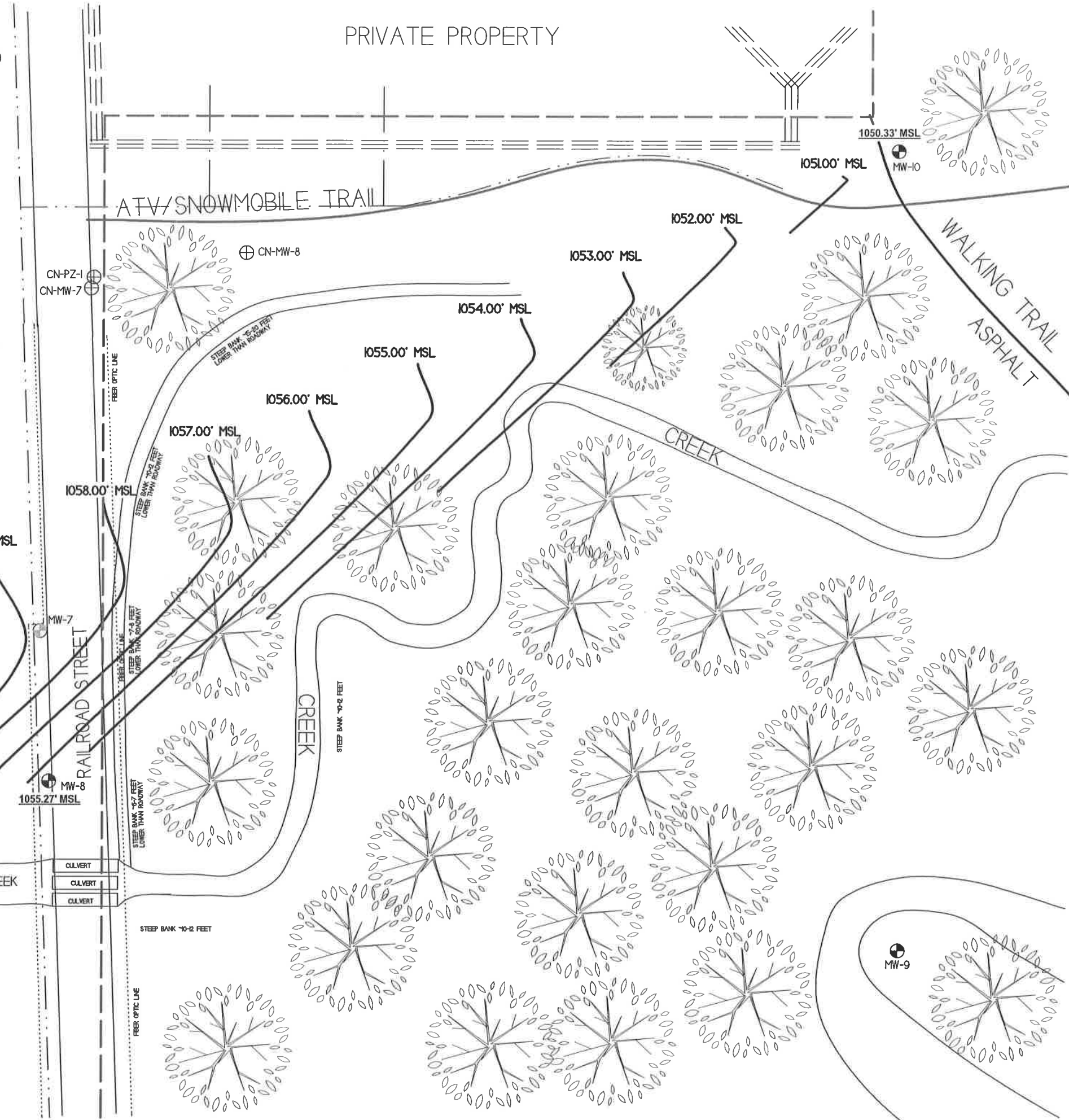
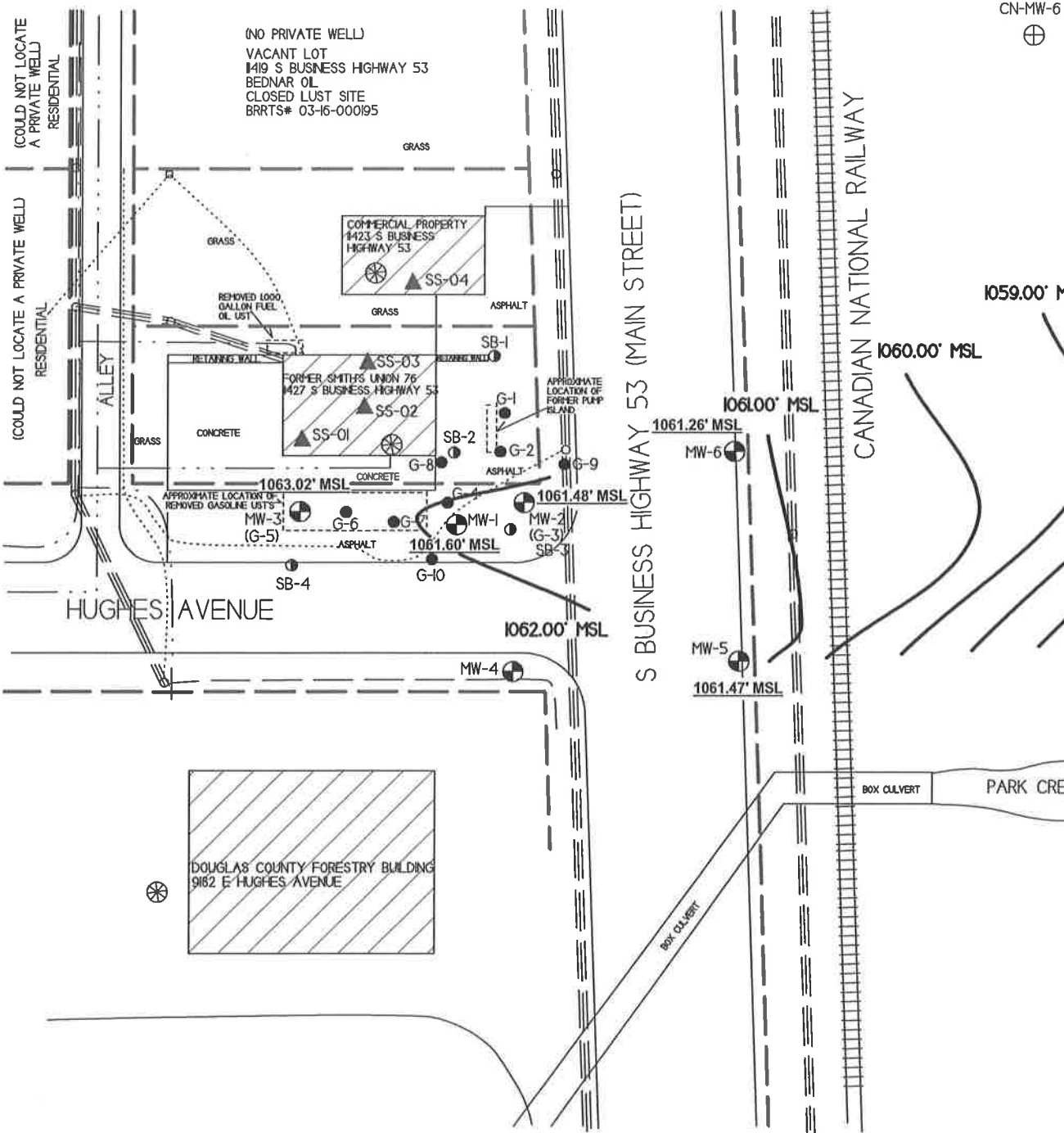
**SOLON SPRINGS, WISCONSIN**  
 DRAWN BY: SD DATE: 06/27/2020  
 UPDATED BY: HP DATE: 07/09/2020



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

- - MONITORING WELL LOCATION
- - MONITORING WELL LOCATION (MISSING/DESTROYED)
- ⊕ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- - GEOPROBE BORING LOCATION
- - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION

- ===== OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE








**B.3.d. MONITORING WELLS**  
**SMITH'S UNION 76 STATION**

707 Gravel Road, Suite 100  
 Solon Springs, WI 54883  
 Tel: (920) 751-8273  
 Fax: (920) 751-8213







**SOLON SPRINGS, WISCONSIN**

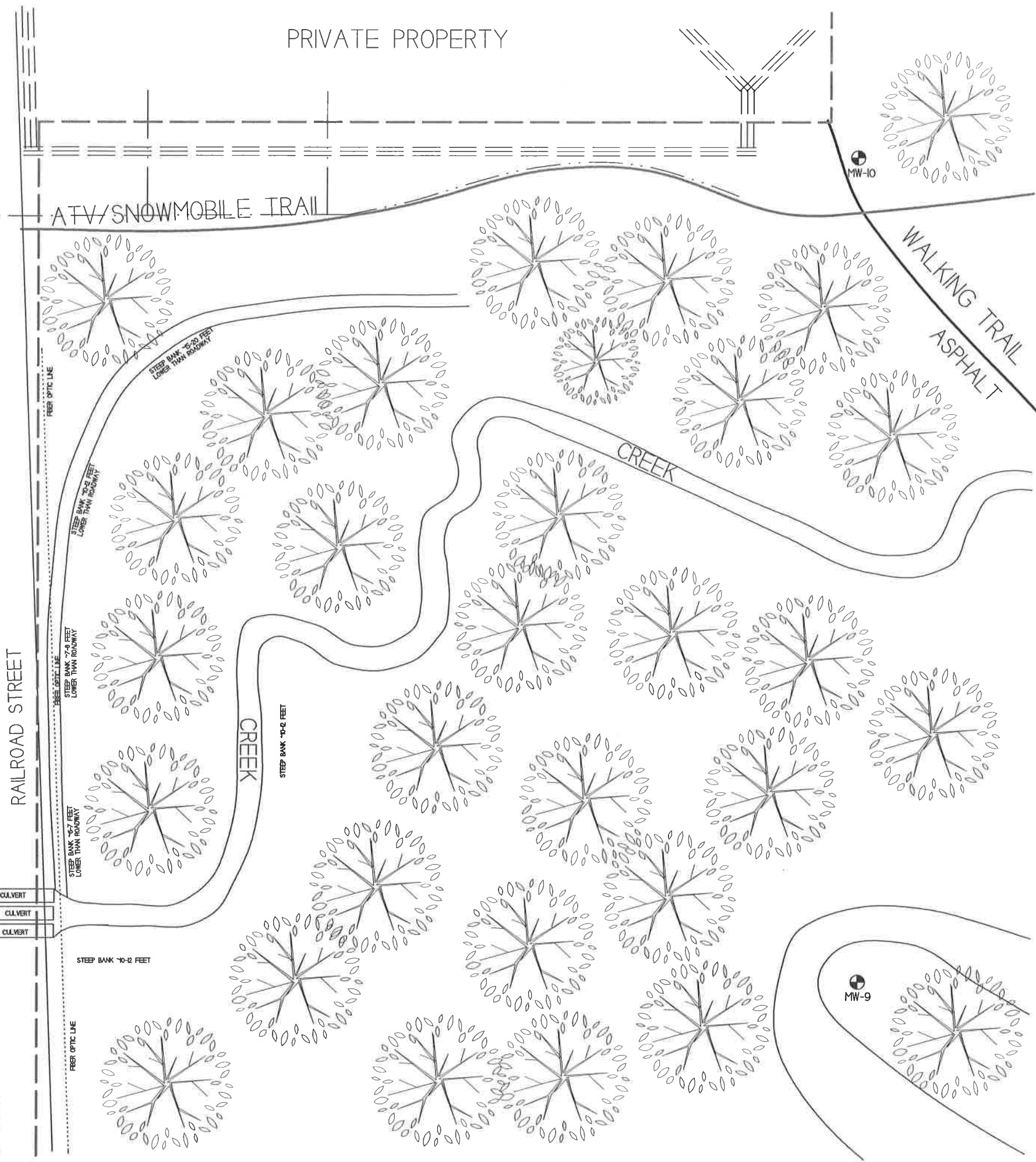
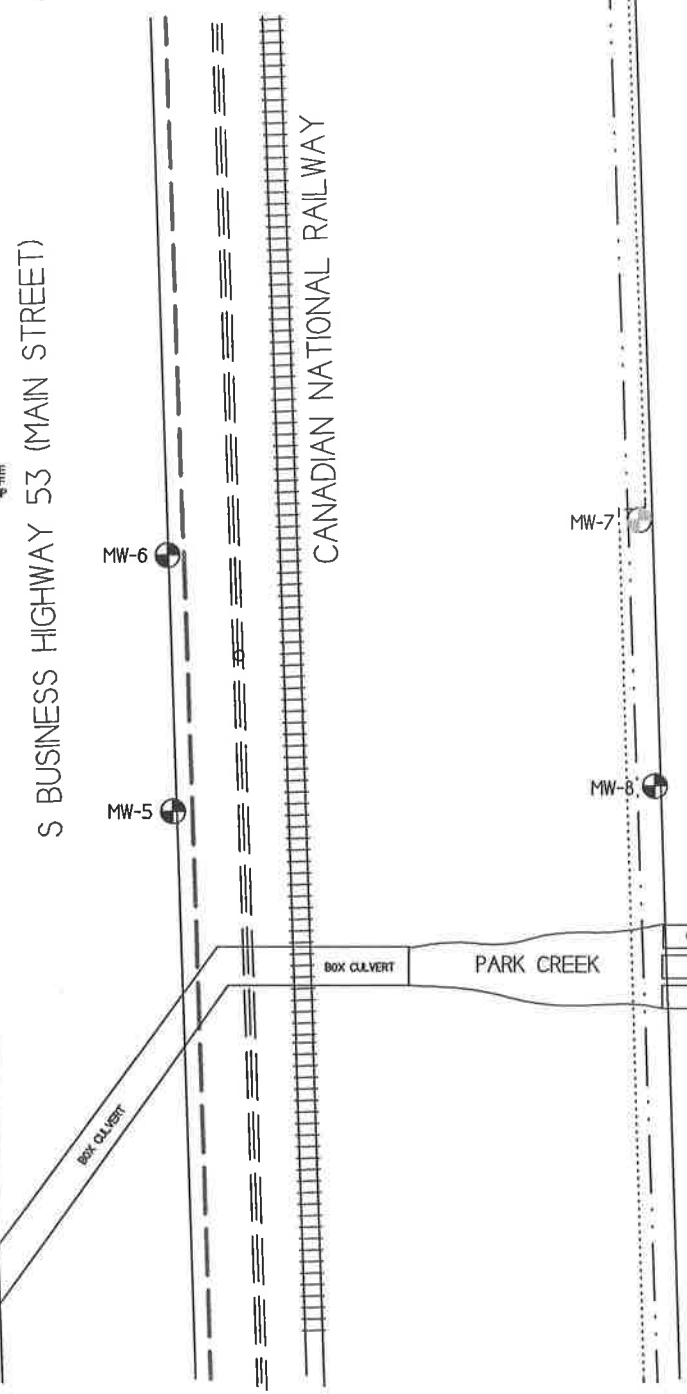
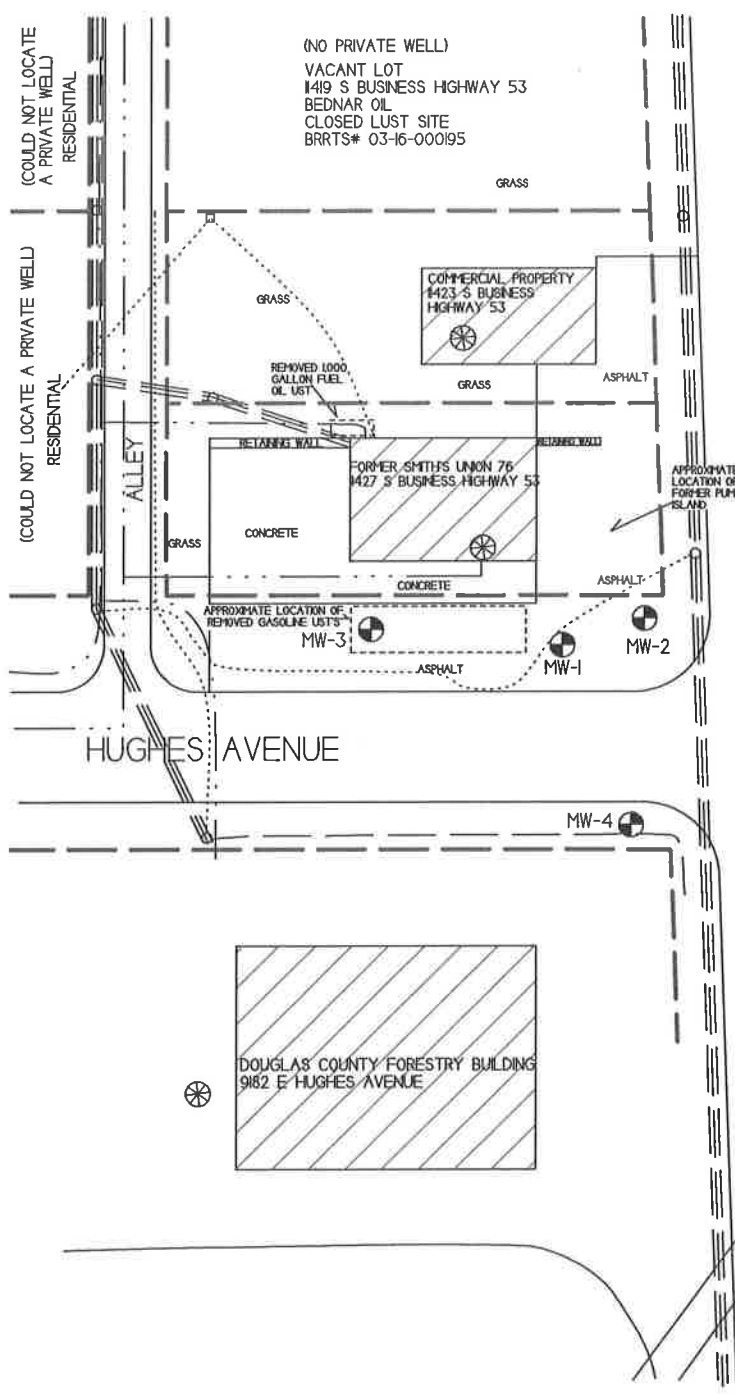
DRAWN BY: ED DATE: 04/27/2008  
 UPDATED BY: RP DATE: 07/08/2008

-  - MONITORING WELL LOCATION (PROPOSED TO BE ABANDONED)
-  - MONITORING WELL LOCATION (MISSING/DESTROYED)
-  - POTABLE WELL LOCATION



-  - OVERHEAD LINES
-  - BURIED ELECTRIC
-  - TELEPHONE LINE
-  - NATURAL GAS
-  - SANITARY SEWER
-  - PROPERTY LINE



**B.4.d. VAPOR INTRUSION MAP**  
**SMITH'S UNION 76 STATION**

109 Chicago Street, Suite 3  
 La Crosse, WI 54601  
 Tel: (608) 785-8875  
 Fax: (608) 785-8925

SOLON SPRINGS, WISCONSIN

SHAWN BY: TD DATE: 06/27/2008  
 UPDATED BY: HF DATE: 07/04/2008

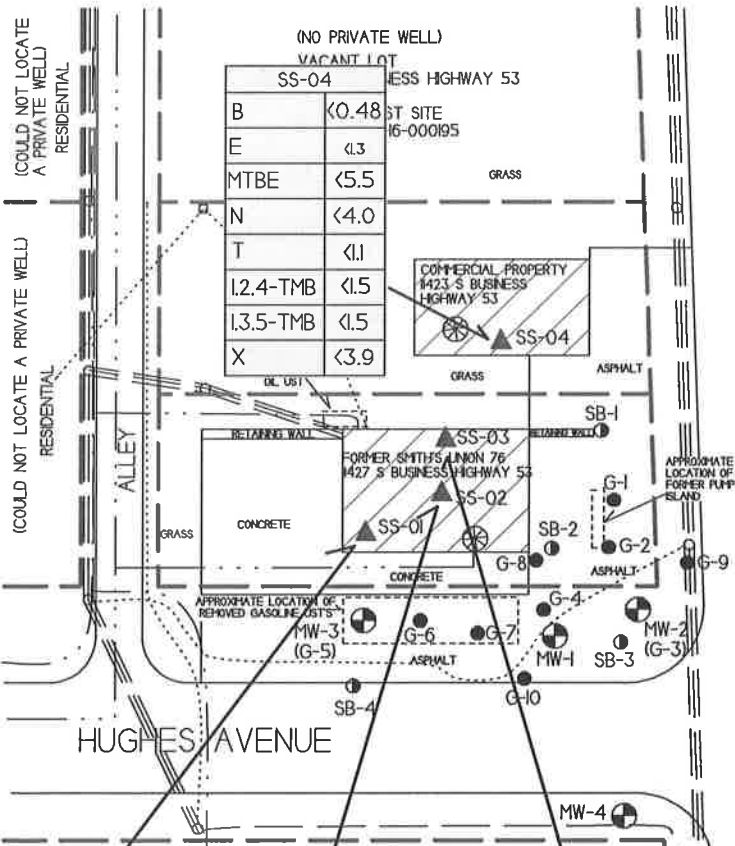
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

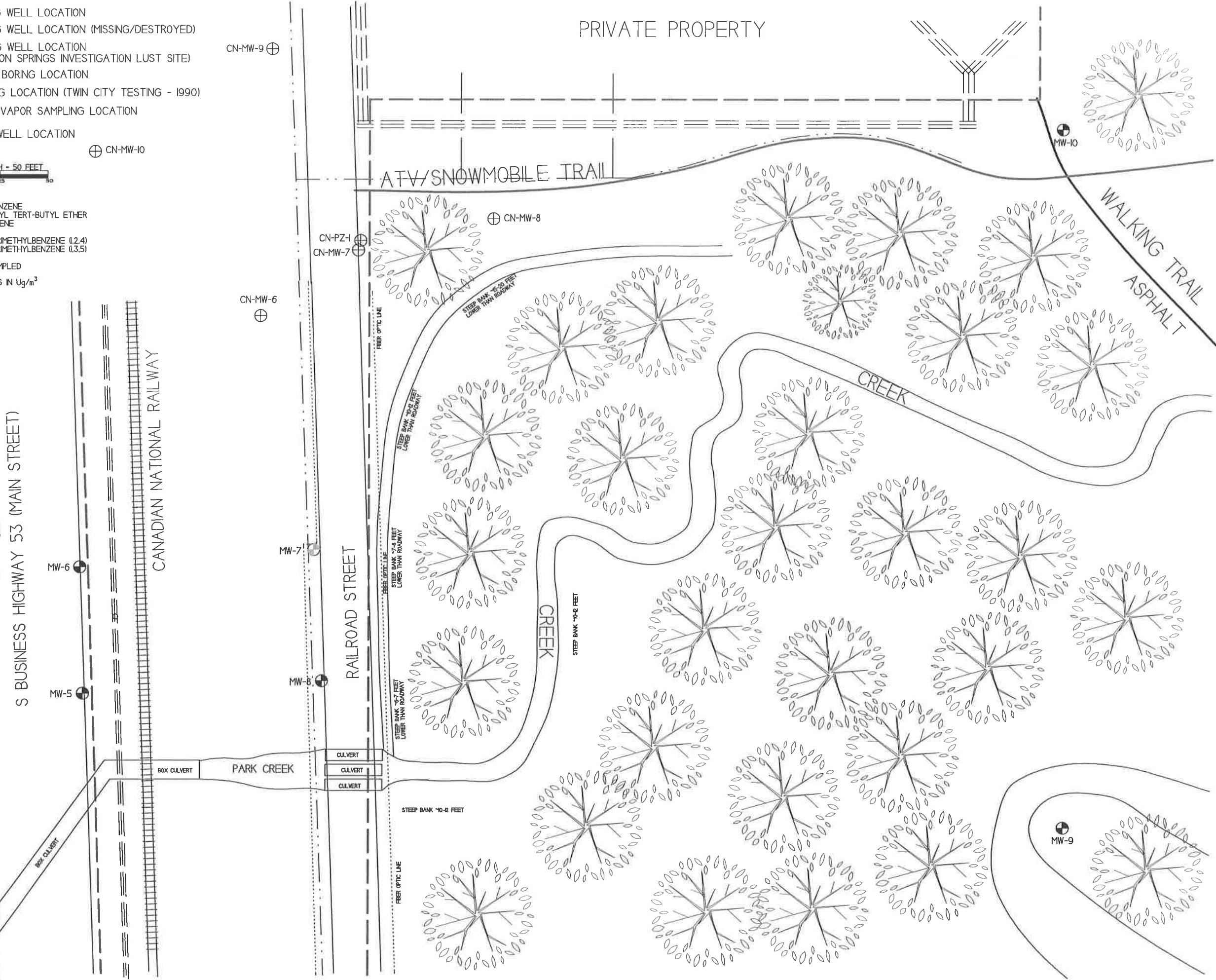
- ⊕ - MONITORING WELL LOCATION
- ⊖ - MONITORING WELL LOCATION (MISSING/DESTROYED)
- ⊙ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- - GEOPROBE BORING LOCATION
- ⊙ - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION



- B - BENZENE
  - E - ETHYLBENZENE
  - MTBE - METHYL TERT-BUTYL ETHER
  - N - NAPHTHALENE
  - T - TOLUENE
  - 1,2,4-TMB - TRIMETHYLBENZENE (1,2,4)
  - 1,3,5-TMB - TRIMETHYLBENZENE (1,3,5)
  - X - XYLENE
  - NS - NOT SAMPLED
- MEASUREMENTS IN  $\mu\text{g}/\text{m}^3$



SS-01		SS-02		SS-03	
B	0.86	B	2.8	B	1.6
E	<2	E	<3	E	<2
MTBE	<5.1	MTBE	<5.2	MTBE	<5.1
N	6.5	N	<3.8	N	<3.7
T	2.1	T	1.2	T	2.6
1,2,4-TMB	2.8	1,2,4-TMB	NS	1,2,4-TMB	NS
1,3,5-TMB	<1.4	1,3,5-TMB	NS	1,3,5-TMB	NS
X	8.6	X	3.2-4.4	X	<3.7





## Attachment C/Documentation of Remedial Action

### C.1 Site Investigation documentation – All other site investigation activities are documented in the following reports:

- Site Investigation Report – September 15, 2014
- Annual Groundwater Monitoring Report – June 8, 2016
- Case Closure – December 15, 2016
- Letter Report – November 6, 2018
- Case Closure – September 3, 2019

Work completed since the last submittal to the WDNR Includes the following:

**On February 19, 2020, METCO collected groundwater samples from three potable wells (9182 E. Hughes, 11423 S. Bus Hwy 53, and 11427 S. Bus Hwy) for laboratory analysis (VOC Method 524.2). At this time METCO personnel conducted a free product check on monitoring well MW-6, and attempted to locate three missing monitoring wells (MW-4, MW-7, and MW-9). Monitoring wells MW-4 and MW-9 were located; however MW-7 could not be located and was most likely destroyed by a snowplow/road grader.**

**Included in C.1 are the laboratory reports, and notes from one round of private well sampling.**

### 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 NR 720.10 and NR 720.12. Soil RCL 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 systems were installed.

C.5 Decommissioning of Remedial Systems – No remedial systems were installed.

C.6 Other – Not Applicable

C.1

METCO  
Well Sampling Field Notes and Calculations

Date: 2-19-20  
Job Number: \_\_\_\_\_  
Person Sampling: RW  
Sampling Round: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_  
Site Name: Spitt's woods 7b  
Assistant: \_\_\_\_\_

\* Length of water column X 0.16 X 4 = Amount of water to be purged\*

WELL NAME	11427 Bus. (2015-2018)	11423 S. (2018-2019)	9182. E (Hugos)	Lucy's woods (2017-2018)						Mw-6
WELL DEPTH	—	—	—	—						
DEPTH TO WATER	—	—	—	—						15.33
AMOUNT PURGED	—	—	—	—						
TIME TO PURGE	40 mins	15 mins	15 mins	—						
PURGED DRY	—	—	—	—						
SAMPLE TAKEN?	X	Y	X	—						
COLOR	Yellow tint	Clear	Clear	—						
ODORS OR SHEENS	low	none	none	—						
TURBIDITY	mod/low	low	low	—						
DO	—	—	—	—						
pH	—	—	—	—						
ORP	—	—	—	—						
TEMP°	—	—	—	—						
SPECIFIC CONDUCTANCE	—	—	—	—						
TIME SAMPLED	12:30	1:00	2:47	—						
NOTES:	dup code 5442			water is correctly shut off						no free product
BARREL NUMBER										

\* Mw-4 located 35' south of stop sign & 1' East of stop sign

\* Could not locate Mw-7 but did locate Mw-9 for future sample/abandoned  
look at file pictures

See notes on back

Source property well was frozen (was not winterized). Kent Drilling took piping apart at floor surface & melted 4' of ice. Then primed & started pumping out water. Took a sample with ziploc at 5 min due to not knowing if well would so dry (black in color). Took another sample at 20 min due to pump surging (Brown to green in color). Took sample at 35 min (clear with yellow tint). Took sample when valve shut it down at 40 min (clear with yellow tint). Kent Drilling then put well back together & checked pump & tank at on site building where pipe came through the floor & didn't notice any cracks or breaks.

Bob Kent was told the well was a sand point well, however the line coming through the floor bends at  $90^\circ$  <sup>about 6 to 7 feet down</sup> & goes south out of building

C.1

# Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

ADAM BACHAND  
ADAM BACHAND  
722 TOWER AVENUE  
SUPERIOR, WI 54880

Report Date 28-Feb-20

Project Name SMITHS UNION 76  
Project #

Invoice # E37524

Lab Code 5037524A  
Sample ID 11427  
Sample Matrix Drinking Water  
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76  
Project #

Invoice # E37524

Lab Code 5037524A  
Sample ID 11427  
Sample Matrix Drinking Water  
Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

## Project #

Lab Code 5037524B  
 Sample ID 11423  
 Sample Matrix Drinking Water  
 Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1

Project Name SMITHS UNION 76

Invoice # E37524

Project #

Lab Code 5037524B

Sample ID 11423

Sample Matrix Drinking Water

Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

## Project #

Lab Code 5037524C  
 Sample ID 9182 E HUGHES  
 Sample Matrix Drinking Water  
 Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1



## Project #

Lab Code 5037524C

Sample ID 9182 E HUGHES

Sample Matrix Drinking Water

Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

## Project #

Lab Code 5037524D  
 Sample ID TB  
 Sample Matrix Drinking Water  
 Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
Bromobenzene	< 0.27	ug/l	0.27	0.87	1	524.2		2/26/2020	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	524.2		2/26/2020	CJR	1
Bromoform	< 0.28	ug/l	0.28	0.9	1	524.2		2/26/2020	CJR	1
Bromomethane	< 1.2	ug/l	1.2	4	1	524.2		2/26/2020	CJR	1
Carbon Tetrachloride	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Chlorobenzene	< 0.28	ug/l	0.28	0.88	1	524.2		2/26/2020	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.9	1	524.2		2/26/2020	CJR	1
Chloroform	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.7	1	524.2		2/26/2020	CJR	1
2-Chlorotoluene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
4-Chlorotoluene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
Dibromochloromethane	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
Dibromomethane	< 0.47	ug/l	0.47	1.5	1	524.2		2/26/2020	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.94	1	524.2		2/26/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,2-Dichlorobenzene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
Dichlorodifluoromethane	< 0.41	ug/l	0.41	1.31	1	524.2		2/26/2020	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethane	< 0.29	ug/l	0.29	0.92	1	524.2		2/26/2020	CJR	1
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	524.2		2/26/2020	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
2,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	524.2		2/26/2020	CJR	1
1,3-Dichloropropane	< 0.44	ug/l	0.44	1.4	1	524.2		2/26/2020	CJR	1
trans-1,3-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
cis-1,3-Dichloropropene	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,1-Dichloropropene	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.3	1	524.2		2/26/2020	CJR	1
Hexachlorobutadiene	< 0.52	ug/l	0.52	1.7	1	524.2		2/26/2020	CJR	1
Isopropylbenzene	< 0.26	ug/l	0.26	0.83	1	524.2		2/26/2020	CJR	1
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	1	524.2		2/26/2020	CJR	1
Methylene chloride	< 0.51	ug/l	0.51	1.6	1	524.2		2/26/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Naphthalene	< 0.58	ug/l	0.58	1.8	1	524.2		2/26/2020	CJR	1
Styrene	< 0.35	ug/l	0.35	1.1	1	524.2		2/26/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.33	ug/l	0.33	1	1	524.2		2/26/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.63	ug/l	0.63	2	1	524.2		2/26/2020	CJR	1
Tetrachloroethene	< 0.28	ug/l	0.28	0.89	1	524.2		2/26/2020	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	524.2		2/26/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.39	ug/l	0.39	1.2	1	524.2		2/26/2020	CJR	1
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	1	1	524.2		2/26/2020	CJR	1
1,1,2-Trichloroethane	< 0.4	ug/l	0.4	1.3	1	524.2		2/26/2020	CJR	1

Project #

Lab Code 5037524D  
 Sample ID TB  
 Sample Matrix Drinking Water  
 Sample Date 2/19/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	< 0.42	ug/l	0.42	1.3	1	524.2		2/26/2020	CJR	1
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	1	524.2		2/26/2020	CJR	1
1,2,3-Trichloropropane	< 0.57	ug/l	0.57	1.8	1	524.2		2/26/2020	CJR	1
Trichlorotrifluoroethane	< 0.18	ug/l	0.18	0.57	1	524.2		2/26/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.97	1	524.2		2/26/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.33	ug/l	0.33	1.1	1	524.2		2/26/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	524.2		2/26/2020	CJR	1
m&p-Xylene	< 0.78	ug/l	0.78	2.5	1	524.2		2/26/2020	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.2	1	524.2		2/26/2020	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

**Code Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

*Michael Ricker*

CHAIN OF STUDY RECORD

# Synergy

## Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914  
920-830-2455 • FAX 920-733-0631

Chain # No 346  
Page 1 of 1

Sample Handling Request  
Rush Analysis Date Required  
(Rushes accepted only with prior authorization)  
 Normal Turn Around

Lab I.D. # \_\_\_\_\_  
Account No.: \_\_\_\_\_  
Project #: \_\_\_\_\_  
Sampler: (signature) *RL Zumb*

Project (Name / Location): *Salt's Canyon 76/ solar spring, WI*  
Reports To: *Aden Beckend*  
Company: *Beckend Group*  
Address: *722 Towel Ave*  
City State Zip: *Superior, WI 54980*  
Phone: \_\_\_\_\_  
FAX: \_\_\_\_\_

Invoice To: *Aden Beckend*  
Company: *Go METCO*  
Address: *709 Gillette st. Ste #3*  
City State Zip: *La Crosse, WI 54603*  
Phone: *608-781-8877*  
FAX: \_\_\_\_\_

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
<i>S05754A</i>	<i>11427 S. 85th</i>	<i>2-19</i>	<i>12:30</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>N</i>	<i>3</i>	<i>DW</i>	<i>4°C</i>															
<i>B</i>	<i>11423 S. 85th</i>	<i>2-19</i>	<i>1:00</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>N</i>	<i>1</i>	<i>DW</i>	<i>4°C</i>															
<i>C</i>	<i>1182 E. Hwy 50</i>	<i>2-19</i>	<i>8:44</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>N</i>	<i>1</i>	<i>DW</i>	<i>4°C</i>															
<i>D</i>	<i>T B</i>	<i>2-19</i>	<i>-</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>N</i>	<i>1</i>	<i>DW</i>	<i>4°C</i>															

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)  
*Lab to send copy of report to METCO/ Jason P. C. Fabric to METCO.  
A check for fair blank & Agend status  
A CDC Refers Apply*

Sample Integrity - To be completed by receiving lab.  
Method of Shipment: *Ice*  
Temp. of Temp. Blank: *4* °C On Ice.   
Cooler seal intact upon receipt:  Yes  No

Relinquished By: (sign) *Aden Beckend* Time *9:31* Date *2-20-20*  
Received By: (sign) \_\_\_\_\_ Time: *8:00* Date: *2/21/20*

C.2 Investigative Waste

**DKS Transport Services, LLC**

N7349 548th Street  
Menomonie, WI 54751

715-556-2604

INVOICE

CUSTOMER

ADAM BACHAND % Metco  
709 Gillette St  
La Crosse WI 54603

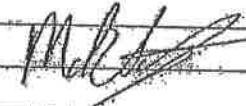
10-22

20 13

JOB NAME

Smith's Manor 176  
11427 S Business Hwy 53  
Solon Springs WI


CASH  CHECK # \_\_\_\_\_  IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE	AMOUNT	
DATE	SHIPPED					
	1	MOBILIZATION	1	274 -	274	-
	5	Haul soil drums to Advanced Disposal	5	103 -	515	-
	4	Haul water drums to Advanced Disposal	4	40 10	160	40
<p>Thank You</p> 					<b>TOTAL</b> 949 40	

Due upon receipt of invoice.  
1.5% per month Service Charge (18% Annual Percentage Rate) will be added to past due accounts.

SIGNATURE \_\_\_\_\_

73

Waste Disposal  
Reviewed 10/22/13  
OK  


**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 via cap maintenance plan.**

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

**D.3 Photographs**

**D.4 Inspection log**

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

### **CAP MAINTENANCE PLAN**

July 10, 2019

Property Located at:  
11427 S Bus Hwy 53  
Solon Springs, WI 54873

WDNR BRRTS# 03-16-000069  
FID# 816029940

TAX KEY# SS-181-00505-00

#### Introduction

This document is the Maintenance Plan for a concrete and asphalt cover 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 concrete and asphalt cover which addresses or occupies the area over the contaminated groundwater plume or soil.

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

- The case file in the DNR Northern 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 Douglas County.

#### Description of Contamination

Unsaturated soil contaminated by Lead, Benzene, Ethylbenzene, Naphthalene, Trimethylbenzenes, and Xylene is located at a depth of 3.5-15 feet below ground surface in the area of the former UST systems. Groundwater contamination by Benzene, Ethylbenzene, Naphthalene Trimethylbenzenes, and Xylene is located at a depth of 14-15.5 feet below ground surface and was found in the area of the removed UST systems. The extent of the soil and groundwater contamination is shown on Attachment D.2.

#### Description of the Cap to be maintained

The cover consists of 4-6 inches of concrete and/or 2-3 inches of asphalt, which covers the area of the former UST systems, as shown on the attached map (Attachment D.2.).

#### Cover Barrier Purpose

The concrete and asphalt cover over the contaminated soil serves as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

#### Annual Inspection

The concrete and asphalt cover 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, cracks, potholes and other potential problems that can cause exposure to underlying soils through the concrete or asphalt. 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 concrete and asphalt cover overlying the contaminated soil and groundwater 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 concrete and asphalt cover, 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 concrete or asphalt cover is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; or 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

### 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

July 2019

**Current Site Owner and Operator:**

Adam Bachand  
722 Tower Avenue  
Superior, WI 54880  
(715) 394-6637

Signature: 

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

**Consultant:**

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

**WDNR:**

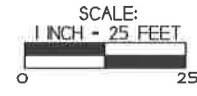
Chris Saari  
2501 Golf Course Road  
Ashland, WI 54806  
(715) 685-2920

D.2 LOCATION MAP (CAP)  
SMITH'S UNION 76 STATION

709 Gillette Street, Suite 3  
La Crosse, WI 54603  
Tel: (608) 781-8879  
Fax: (608) 781-8893

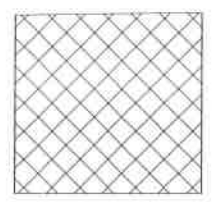
SOLON SPRINGS, WISCONSIN

DRAWN BY: ED DATE: 06/27/2012  
UPDATED BY: KF DATE: 07/08/2016



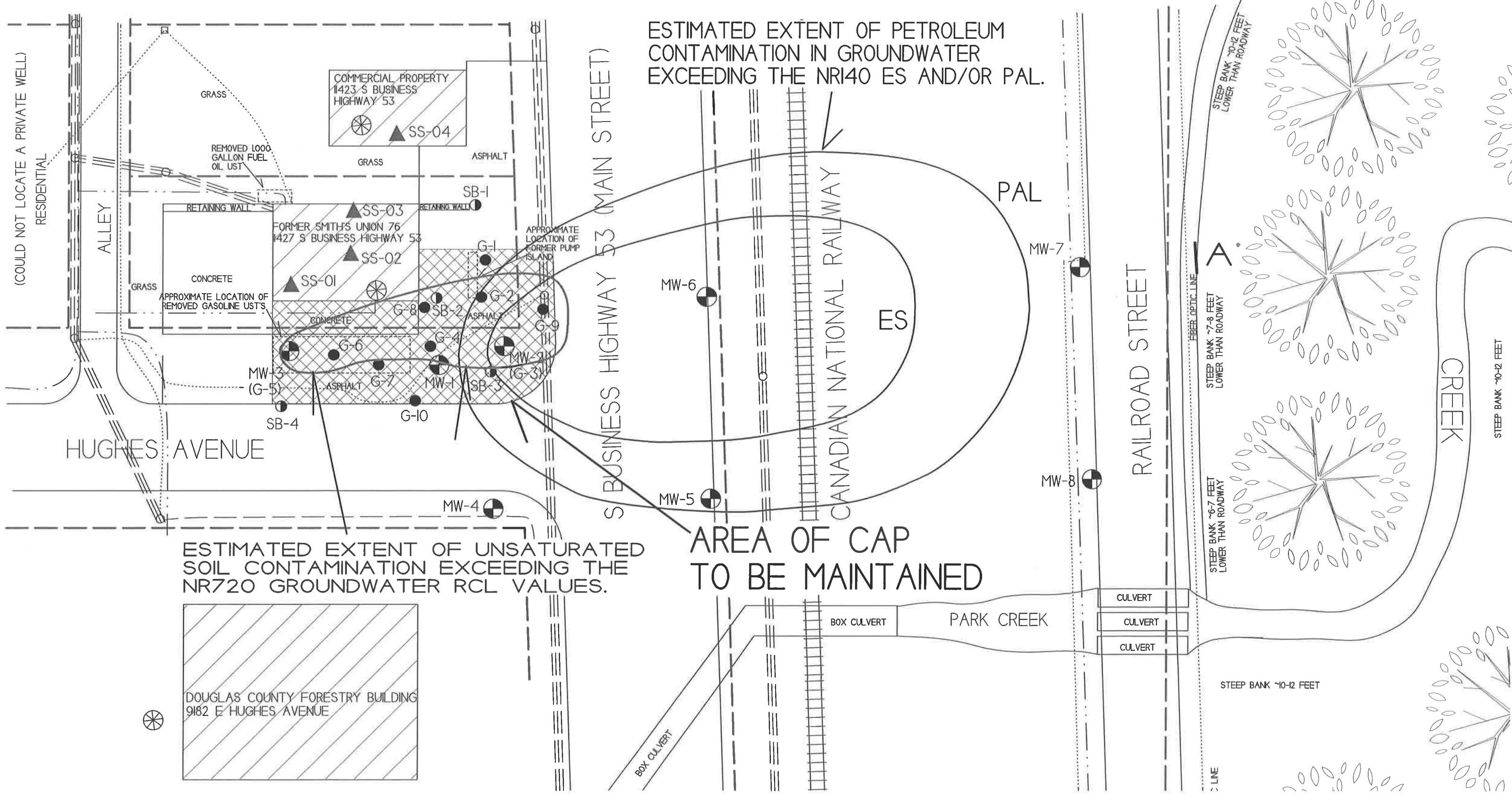
- ===== OVERHEAD LINES
- BURIED ELECTRIC
- ..... TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (MISSING/DESTROYED)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION



= AREA OF CAP TO BE MAINTAINED

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



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

**On February 19, 2020, attempted to locate three missing monitoring wells (MW-4, MW-7, and MW-9). Monitoring wells MW-4, and MW-9 were located, however MW-7 could not be located and was most likely destroyed by a snowplow/road grader.**

**All wells have been located except for MW-7, which is missing/destroyed. The well construction form and development form for the missing well is attached. The located wells will be properly abandoned upon WDNR granting closure to the site.**

Facility/Project Name: Smith's Union 76 Local Grid Location of Well: \_\_\_\_\_ ft.  N. \_\_\_\_\_ ft.  E. \_\_\_\_\_ ft.  S. \_\_\_\_\_ ft.  W.

Facility License, Permit or Monitoring No.: \_\_\_\_\_ Local Grid Origin  (estimated: ) or Well Location  Lat. \_\_\_\_\_ "Long. \_\_\_\_\_ " or \_\_\_\_\_

Facility ID: \_\_\_\_\_ St. Plane \_\_\_\_\_ ft. N. \_\_\_\_\_ ft. E. S/C/N \_\_\_\_\_

Type of Well: \_\_\_\_\_ Section Location of Waste/Source: \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Sec. \_\_\_\_\_ T. \_\_\_\_\_ N, R. \_\_\_\_\_  E  W

Well Code: 1 Location of Well Relative to Waste/Source:  u  s  d  n  Gov. Lot Number \_\_\_\_\_

Distance from Waste/Source \_\_\_\_\_ ft. Enf. Stds. Apply   Upgradient  Sidegradient  Downgradient  Not Known

Well Name: MW-7 Wis. Unique Well No. VNO65 DNR Well ID No. \_\_\_\_\_

Date Well Installed: 09/25/2013 Well Installed By: Name (first, last) and Firm TODD J. Knuckey Range Environmental Drilling

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  Yes  No

B. Well casing, top elevation \_\_\_\_\_ ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 0.50 ft. MSL or \_\_\_\_\_ ft.

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

13. Sieve analysis performed?  Yes  No

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

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

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required): \_\_\_\_\_

E. Bentonite seal, top 1 ft. MSL or \_\_\_\_\_ ft.

F. Fine sand, top 4 ft. MSL or \_\_\_\_\_ ft.

G. Filter pack, top 5 ft. MSL or \_\_\_\_\_ ft.

H. Screen joint, top 6 ft. MSL or \_\_\_\_\_ ft.

I. Well bottom 16 ft. MSL or \_\_\_\_\_ ft.

J. Filter pack, bottom 16 ft. MSL or \_\_\_\_\_ ft.

K. Borehole, bottom 16 ft. MSL or \_\_\_\_\_ ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2 in.

N. I.D. well casing 1.90 in.

1. Cup and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: \_\_\_\_\_ in.  
 b. Length: \_\_\_\_\_ ft.  
 c. Material: At-Grade Steel  04  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  30  
 Concrete  01  
 Other

4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other

5. Annular space seal:  
 a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08

6. Bentonite seal:  
 a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. Red Flint 30  
 b. Volume added 1 Bag

8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint 45-55  
 b. Volume added 10 Bags

9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other

10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer Buffalo  
 c. Slot size: 0.10 in.  
 d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None  14  
 Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd J. Knuckey Firm: Range Environmental Drilling

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

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Smith's Union 76	County Name DOUGLAS	Well Name MW-7
Facility License, Permit or Monitoring Number	County Code 16	Wis. Unique Well Number VN065
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 55 min.
4. Depth of well (from top of well casing) 16 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6.3 gal.
7. Volume of water removed from well 60 gal.
8. Volume of water added (if any) \_\_\_\_\_ gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)
17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>10.25</u> ft.	<u>10.45</u> ft.
Date	b. <u>09</u> / <u>25</u> / <u>2013</u>	<u>9</u> / <u>25</u> / <u>2013</u>
	m m d d y y y y	m m d d y y y y
Time	c. <u>12</u> : <u>35</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>01</u> : <u>30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>6</u> inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>
	<u>High Turbidity</u>	<u>Low Turbidity</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	Eric	Last Name: Dahl
Firm:	METCO	

Name and Address of Facility Contact / Owner / Responsible Party


First Name: Adam Last Name: Bachand

Facility/Firm: Bachand Realty

Street: 1406 Belknap Street

City/State/Zip: Superior WI 54880-

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes

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

**F.1 Deed**

**F.2 Certified Survey Map**

**F.3 Verification of Zoning**

**F.4 Signed Statement**

# F.1 DEED

816413

STATE BAR OF WISCONSIN FORM 1 - 1998  
WARRANTY DEED

Document Number

DOCUMENT # 816413

This Deed, made between Loretta Smith

\_\_\_\_\_, Grantor,  
and Bachand Estates, LLP

\_\_\_\_\_, Grantee.  
Grantor, for a valuable consideration, conveys to Grantee the following described real estate in Douglas County, State of Wisconsin (the "Property"):

Lot Eight (8), Block One (1), Charles Lord's Addition to White Birch, in the Village of Solon Springs, Douglas County, Wisconsin.

Certified, Filed and or Recorded on  
May 12, 2008 AT 09:05AM

GAYLE I. WANNER  
DOUGLAS COUNTY RECORDER  
SUPERIOR, WI 54886-2769  
Fee Amount: \$11.00  
Transfer Fee: \$81.00

Recording Area

Name and Return Address

NLTC, LLC

SS-181-00505-00

Parcel Identification Number (PIN)

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

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except zoning ordinances, easements and restrictions of record.

Dated this 9<sup>th</sup> day of May, 2008.

\_\_\_\_\_  
(SEAL)

Loretta Smith (SEAL)

\* Loretta Smith

\_\_\_\_\_  
(SEAL)

\_\_\_\_\_  
(SEAL)

## AUTHENTICATION

Signature(s) \_\_\_\_\_

authenticated this \_\_\_\_\_ day of \_\_\_\_\_

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, \_\_\_\_\_  
authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Kathryn zumBrunnen, Attorney at Law

Spooner, Wisconsin

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

\* Names of persons signing in any capacity must be typed or printed below their signature.

WARRANTY DEED

## ACKNOWLEDGMENT

State of Wisconsin,

Douglas County, } ss.  
Personally came before me this 9<sup>th</sup> day of  
May, 2008 the above named  
Loretta Smith

\_\_\_\_\_ to  
me known to be the person \_\_\_\_\_ who executed the foregoing  
instrument and acknowledge the same.

Windy S. Must

Notary Public, State of Wisconsin

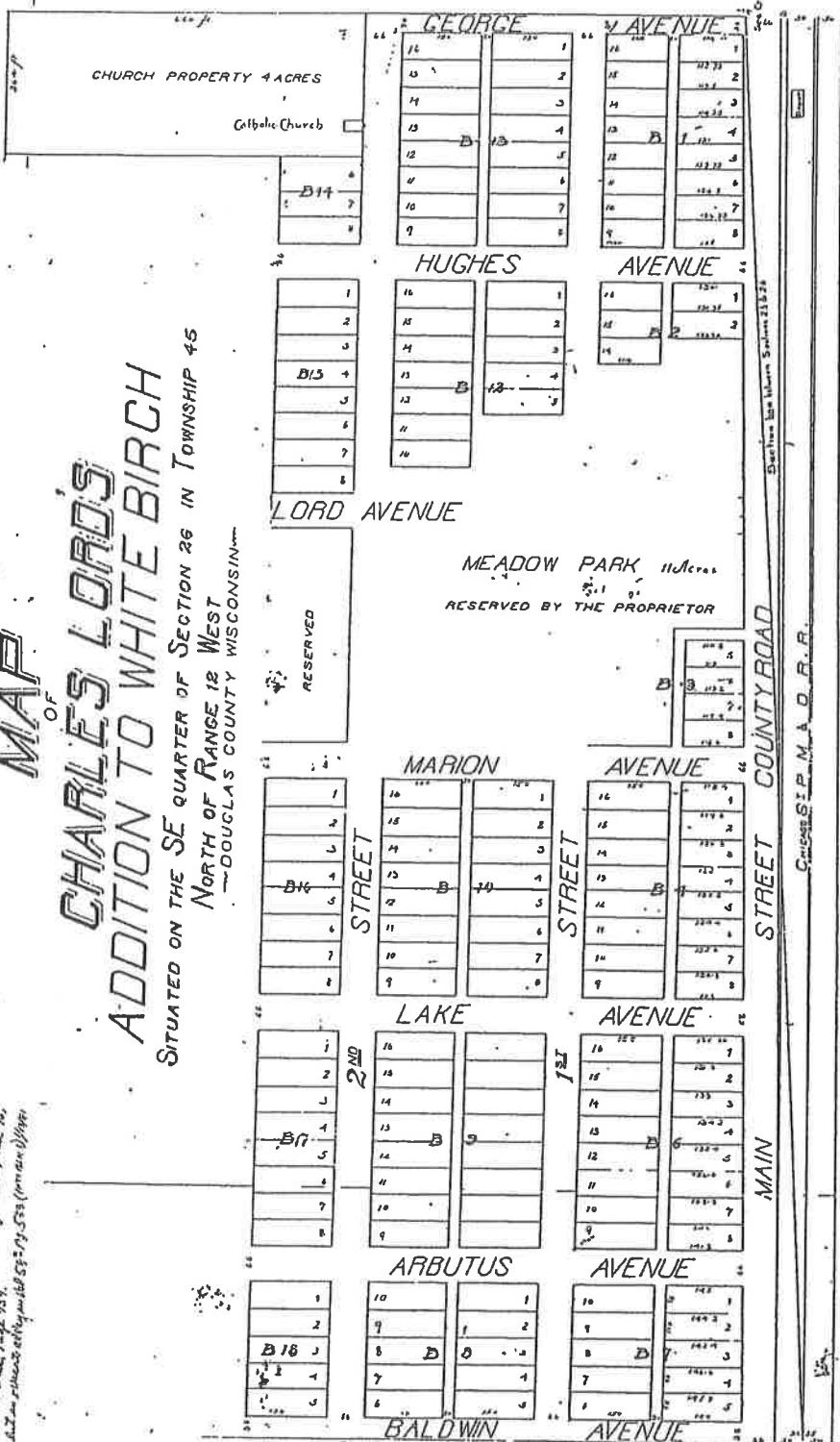
My commission is permanent. (If not, state expiration date:

3-13-2011)



F.Z. Certified Survey Map

MAP OF CHARLES LORDS ADDITION TO WHITE BIRCH SITUATED ON THE SE QUARTER OF SECTION 26 IN TOWNSHIP 45 NORTH OF RANGE 12 WEST DOUGLAS COUNTY WISCONSIN



Handwritten notes on the left side of the map, including 'B14', 'B15', 'B16', 'B17', 'B18' and other lot identifiers.

Section-line Between Sections 26&27 Twp 45 N. R. 12 W.

Map C Plate 247

State of Wisconsin  
Dodge County

I hereby certify that I have surveyed under the direction of Charles Hart to the owners of that portion of the E 1/4 of Section Twenty Six (26) in Township Five (5) North, of Range Sixteen (16) West, in Dodge County, Wisconsin, as represented by the plat, lying out the East and Adams Sub-division first under a right-angle and parallel to the West line of the Section, and making the first block one foot long by 250 feet wide East and West of the full clearances, divided into Sections 1 to 20 each 25 feet by 100 feet. The length of the straight line facing, from Adams Sub-division, and on the West half of Block 1 to 20, are as follows: from the point through 7000 feet East and West, were shown at the corner of the block on the East side of First Street as follows: N 87° 00' 00" of Block 1, S 87° 00' 00" of Block 2; S 87° 00' 00" of Block 3; S 87° 00' 00" of Block 4; S 87° 00' 00" of Block 5; S 87° 00' 00" of Block 6; S 87° 00' 00" of Block 7; S 87° 00' 00" of Block 8; S 87° 00' 00" of Block 9; S 87° 00' 00" of Block 10; S 87° 00' 00" of Block 11; S 87° 00' 00" of Block 12; S 87° 00' 00" of Block 13; S 87° 00' 00" of Block 14; S 87° 00' 00" of Block 15; S 87° 00' 00" of Block 16; S 87° 00' 00" of Block 17; S 87° 00' 00" of Block 18; S 87° 00' 00" of Block 19; S 87° 00' 00" of Block 20. The lot size of Block 1 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 2 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 3 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 4 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 5 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 6 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 7 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 8 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 9 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 10 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 11 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 12 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 13 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 14 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 15 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 16 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 17 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 18 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 19 is 20 feet front of the Adams Sub-division on Section 25 + 26. The lot size of Block 20 is 20 feet front of the Adams Sub-division on Section 25 + 26. This is a correct map, drawn from the field notes of survey made in full compliance with the laws of Wisconsin, an actual map and provided, Superior, Wis. May 20<sup>th</sup> 1890.

George R. Stuntz  
Surveyor

State of Wisconsin  
Dodge County

I hereby certify that I have surveyed the lands situated on the foregoing map of George R. Stuntz, Surveyor, in the survey and map as represented on the actual map. Superior, Wis. May 20<sup>th</sup> 1890.

Geo. R. Stuntz  
Geo. R. Stuntz  
Geo. R. Stuntz  
Geo. R. Stuntz

Charles Hart  
Geo. R. Stuntz  
Geo. R. Stuntz

State of Wisconsin  
Dodge County

On this 20<sup>th</sup> day of May A.D. 1890, before me personally appeared Charles Hart to whom is known to be the person who executed the foregoing instrument and who acknowledged that he executed the same as his free act and for the uses and purposes therein set forth.

Geo. R. Stuntz

Notary Public  
Dodge County, Wis.

State of Wisconsin  
Dodge County

On this 20<sup>th</sup> day of May A.D. 1890, before me personally appeared Charles Hart to whom is known to be the person who executed the foregoing instrument and who acknowledged that he executed the same as his free act and for the uses and purposes therein set forth.

Geo. R. Stuntz

Notary Public  
Dodge County, Wis.

1890

Official of Registrar of Deeds  
Dodge County, Wisconsin

I hereby certify that the within instrument was filed in this office for records on the 20<sup>th</sup> day of May A.D. 1890 at 9 20 minutes AM. and was duly recorded in Book C of Deeds Page 207 + 208.

Geo. R. Stuntz  
Registrar of Deeds  
Dodge County, Wis.  
Superior

F.3. Verification of Zoning

Parcel #: SS-181-00505-00

Valid as of 11/03/2016 02:15 PM

Alt. Parcel #:

VILLAGE OF SOLON SPRINGS  
DOUGLAS COUNTY,  
WISCONSIN

<b>Owner and Mailing Address:</b> BACHAND ESTATES LLP B-8 ASPEN COURT SUPERIOR WI 54880		<b>Co-Owner(s):</b>	
<b>Districts:</b>		<b>Physical Property Address(es):</b> * 11427 S BUSINESS 53	
<b>Dist#</b>	<b>Description</b>	<b>Parcel History:</b>	
16	DOUGLAS COUNTY	<b>Date</b>	<b>Doc #</b>
5397	SOLON SPRGS SCHOOL DIST	05/12/2008	816411
1700	WITC (VTAE)	05/12/2008	816413
		05/12/2008	816412
			705715
			more...
<b>Legal Description:</b> LOT 8, BLK 1, CHARLES LORD'S ADD TO WHITE BIRCH 26-45-12		<b>Acres:</b> 0.000	
<b>Plat</b>		<b>Tract (S-T-R 40% 160% GL)</b>	<b>Block/Condo Bldg</b>
* 1030-CHARLES LORD'S ADDITION TO WHITE BIRCH		26-45N-12W SE	1 LOT 8

2016 Valuations:

Values Last Changed on  
07/21/2015

Class and Description	Acres	Land	Improvement	Total
G2-COMMERCIAL	0.143	6,200.00	38,800.00	45,000.00
<b>Totals for 2016</b>				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00
<b>Totals for 2015</b>				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00

2016 Taxes

Taxes have not yet been calculated.

Key

\* -  
Primary

## F.4. Signed Statement

WDNR BRRTS Case #: 03-16-000069

WDNR Site Name: Smith's Union 76

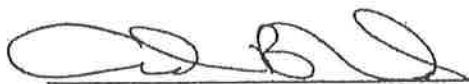
### Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party:

Adam Bechard President Bechard Estates LLP  
(print name/title)

 7/8/2019  
(signature) (date)

## **Attachment G/Notifications to Owners of Affected Properties**

**G.A Notification to the Village of Solon Springs for residual soil and groundwater contamination located in the ROW of Hughes Avenue and Main Street.**

**G.B Notification to Canadian National Railway for residual groundwater contamination located in Railroad Right of Way.**

**G.C Notification to DOT for residual soil and groundwater contamination located in the ROW of S Business Hwy 53.**

**G.2 Certified Survey Map**

**G.3 Verification of Zoning**

**G.4 Signed Statement**

G.A.

The affected property is:

- the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- a deeded property affected by contamination from the source property
- a right-of-way (ROW)
- a Department of Transportation (DOT) ROW

**Include this completed page as an attachment with all notifications provided under sections A and B.**

**Contact Information**

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name **Bachand Group**

Contact Person Last Name <b>Bachand</b>	First <b>Adam</b>	MI	Phone Number (include area code) <b>(715) 394-6637</b>	
Address <b>722 Tower Ave</b>		City <b>Superior</b>	State <b>WI</b>	ZIP Code <b>54800</b>
E-mail <b>adam@bachandgroup.com</b>				

**Name of Party Receiving Notification:**

Business Name, if applicable: **Village of Solon Springs**

Title <b>Ms.</b>	Last Name <b>Burger</b>	First <b>Kathy</b>	MI	Phone Number (include area code) <b>(715) 378-2235</b>	
Address <b>P.O. Box 273 11523 S Business Hwy 53</b>		City <b>Solon Springs</b>	State <b>WI</b>	ZIP Code <b>54873</b>	

**Site Name and Source Property Information:**

Site (Activity) Name **Smith's Union 76 (Former)**

Address <b>11427 S Business Hwy 53</b>		City <b>Solon Springs</b>	State <b>WI</b>	ZIP Code <b>54873</b>
DNR ID # (BRRTS#) <b>03-16-000069</b>		(DATCP) ID #		

**Contacts for Questions:**

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

**Environmental Consultant: METCO**

Contact Person Last Name <b>Anderson</b>	First <b>Ronald</b>	MI <b>J</b>	Phone Number (include area code) <b>(608) 781-8879</b>	
Address <b>709 Gillette Street Suite 3</b>		City <b>La Crosse</b>	State <b>WI</b>	ZIP Code <b>54603</b>
E-mail <b>rona@metcohq.com</b>				

**Department Contact:**

To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: **Natural Resources (DNR)**

Address <b>2501 Golf Course Rd</b>		City <b>Ashland</b>	State <b>WI</b>	ZIP Code <b>54806</b>
Contact Person Last Name <b>Saari</b>	First <b>Chris</b>	MI	Phone Number (include area code) <b>(715) 685-2920</b>	
E-mail (Firstname.Lastname@wisconsin.gov) <b>chris.saari@wisconsin.gov</b>				

G.A.

Notification of Continuing Obligations  
and Residual Contamination  
Form 4400-286 (9/15)

Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

P.O. Box 273 11523 S Business Hwy 53  
Solon Springs, WI, 54873

Dear Ms. Burger:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which village of Solon Springs may become responsible. I investigated a release of petroleum on 11427 S Business Hwy 53, Solon Springs, WI, 54873 that has shown that contamination remains in the right-of-way for which village of Solon Springs is responsible. I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

**You have 30 days to comment on the proposed closure request:**

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNR contact: 2501 Golf Course Rd, Ashland, WI, 54806, or at [chris.saari@wisconsin.gov](mailto:chris.saari@wisconsin.gov).

**Residual Contamination:**

***Groundwater Contamination:***

Groundwater contamination originated at the property located at: 11427 S Business Hwy 53, Solon Springs, WI, 54873.

The levels of

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene.

contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

***Soil Contamination:***

Soil contamination remains at:  
ROW of Hughes Avenue and Main Street.

The remaining contaminants include :

Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene

at levels which exceed the soil standards found in ch. NR 720, Wis. Adm. Code. The following steps have been taken to address any exposure to the remaining soil contamination.

Natural Attenuation.

If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If you or any other person plan to conduct utility or building construction for which dewatering will be necessary, you or that person must contact the DNR's Water Quality Program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>.

**Continuing Obligations on the Right-of-Way (ROW) :** As part of the response actions, I am proposing that the following continuing obligations be used at the affected ROW. If my closure request is approved, you will be responsible for the following continuing obligations:

G.A.

**Residual Soil Contamination:**

If soil is excavated from the areas with residual contamination, the right-of-way holder at the time of excavation will be responsible for the following:

- determine if contamination is present,
  - determine whether the material would be considered solid or hazardous waste,
  - ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.
- Contaminated soil may be managed in-place, in accordance with s. NR 718, Wis. Adm. Code, with prior Department approval.

The right-of-way holder needs to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans from ingestion, inhalation or dermal contact.

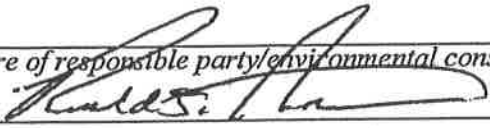
Depending on site-specific conditions, construction over contaminated soils or groundwater may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when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

**GIS Registry and Well Construction Requirements:**

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in 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. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

If you have any questions regarding this notification, I can be reached at: (608) 781-8879  
jasonp@metcohq.com

<i>Signature of responsible party/environmental consultant for the responsible party</i> 	Date Signed 7/10/19
---	------------------------

**Attachments**

**Contact Information**

**Legal Description for each Parcel:**





G.A.

3.b. GROUNDWATER  
SOCONCENTRATION  
SMITH'S UNION 76 STATION



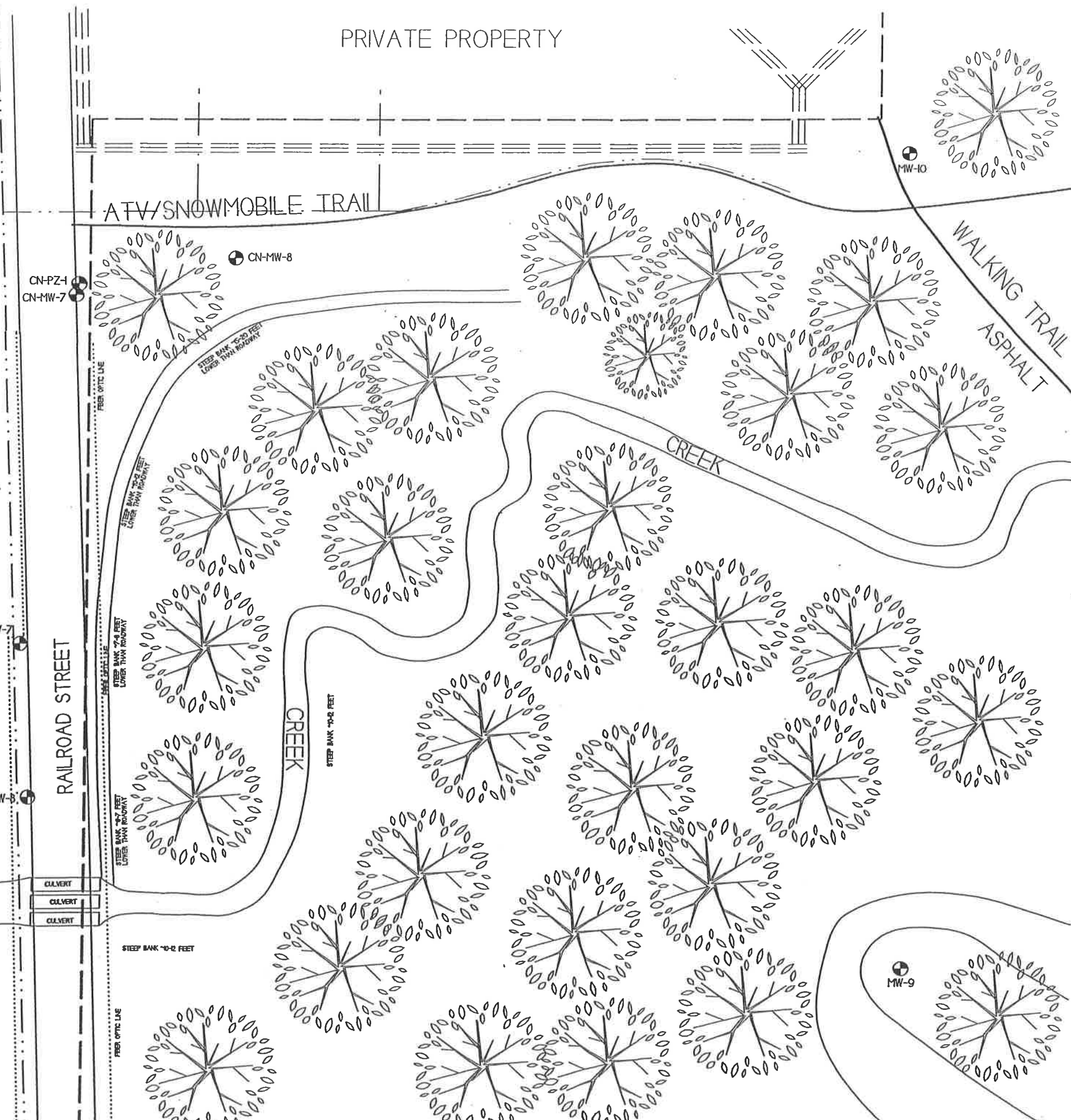
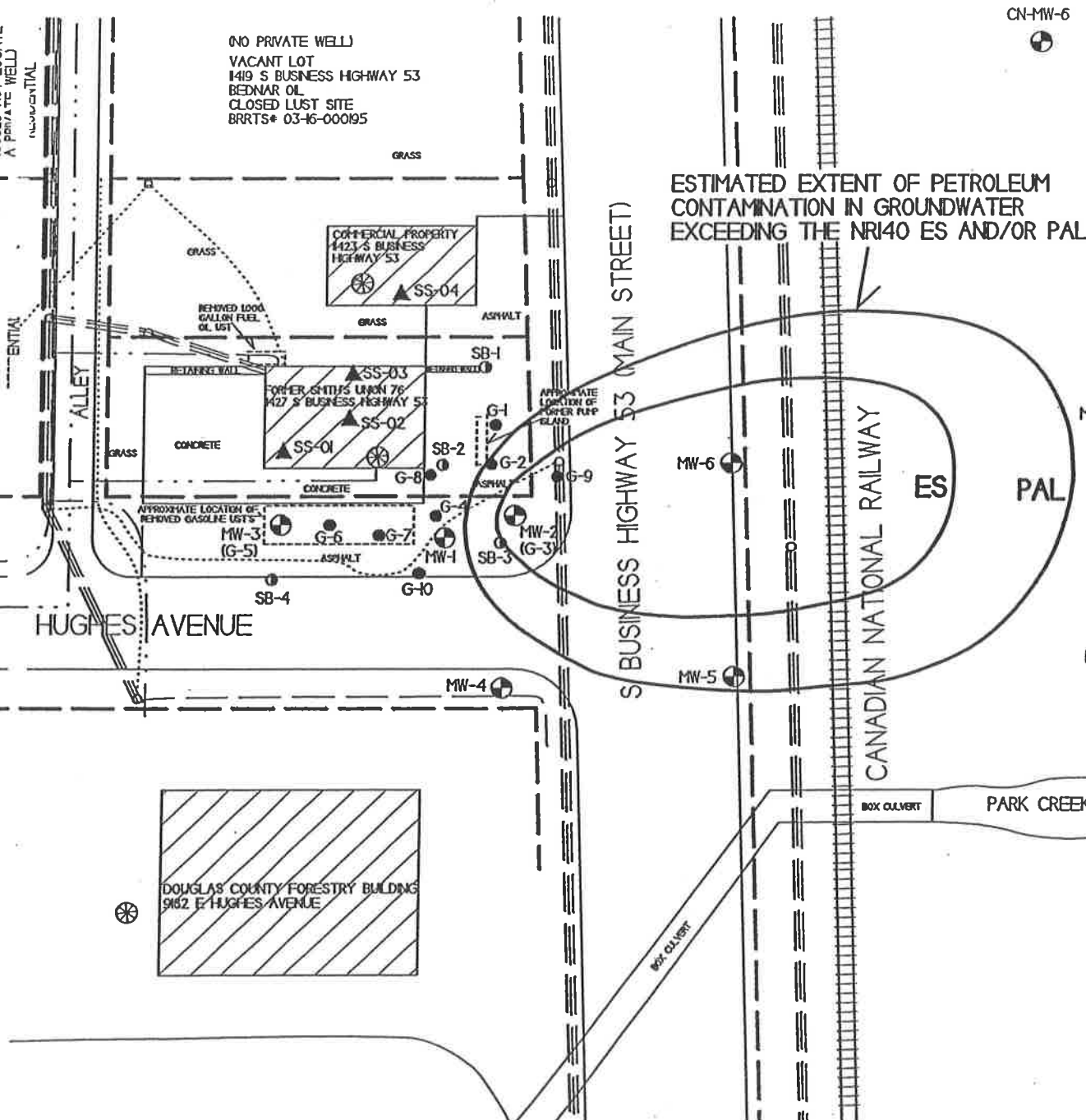
SOLON SPRINGS,  
WISCONSIN  
DRAWN BY: ED DATE: 06/27/2002  
UPDATED BY: MF DATE: 07/04/2002

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


- OVERHEAD LINES
- BURIED ELECTRIC
- TELEPHONE LINE
- NATURAL GAS
- SANITARY SEWER
- PROPERTY LINE

- MONITORING WELL LOCATION
- MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- GEOPROBE BORING LOCATION
- SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- SUB SLAB VAPOR SAMPLING LOCATION
- POTABLE WELL LOCATION

SCALE: 1 INCH = 50 FEET



G.A.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"><li>■ Complete items 1, 2, and 3.</li><li>■ Print your name and address on the reverse so that we can return the card to you.</li><li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>	<p>A. Signature <input checked="" type="checkbox"/> Cheryl Stensland <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>
<p>Village of Solon Springs Kathy Burger P.O. Box 273 Solon Springs, WI 54873</p>  <p>9590 9403 0958 5223 6284 25</p>	<p>B. Received by (Printed Name) C. Date of Delivery Cheryl Stensland</p>
<p>7015 1660 0000 4342 8926</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>  <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053       Domestic Return Receipt</p>	

G.B.

Notification of Continuing Obligations and Residual Contamination

Form 4400-286 (9/15)

C. I. Page

The affected property is:

- the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
○ a deeded property affected by contamination from the source property
● a right-of-way (ROW)
○ a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name Bachand Group

Form with fields: Contact Person Last Name (Bachand), First (Adam), MI, Phone Number ((715) 394-6637), Address (722 Tower Ave), City (Superior), State (WI), ZIP Code (54800), E-mail (adam@bachandgroup.com)

Name of Party Receiving Notification:

Business Name, if applicable: Canadian National Railway

Form with fields: Title (Mr.), Last Name (Sprinkle), First (Devin), MI, Phone Number ((708) 332-3850), Address (17641 S. Ashland Avenue), City (Homewood), State (IL), ZIP Code (60430)

Site Name and Source Property Information:

Site (Activity) Name Smith's Union 76 (Former)

Form with fields: Address (11427 S Business Hwy 53), City (Solon Springs), State (WI), ZIP Code (54873), DNR ID # (03-16-000069), (DATCP) ID #

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: METCO

Form with fields: Contact Person Last Name (Anderson), First (Ronald), MI (J), Phone Number ((608) 781-8879), Address (709 Gillette Street Suite 3), City (La Crosse), State (WI), ZIP Code (54603), E-mail (rona@metcohq.com)

Department Contact:

To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR)

Form with fields: Address (2501 Golf Course Rd), City (Ashland), State (WI), ZIP Code (54806), Contact Person Last Name (Saari), First (Chris), MI, Phone Number ((715) 685-2920), E-mail (Firstname.Lastname@wisconsin.gov) (chris.saari@wisconsin.gov)

G.B

**Notification of Continuing Obligations  
and Residual Contamination**  
Form 4400-286 (9/15)

**Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs**

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

17641 S. Ashland Avenue  
Homewood, IL, 60430

Dear Mr. Sprinkle:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which railroad of Canadian National may become responsible. I investigated a release of petroleum on 11427 S Business Hwy 53, Solon Springs, WI, 54873 that has shown that contamination has migrated into the right-of-way for which railroad of Canadian National is responsible. I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

**You have 30 days to comment on the proposed closure request:**

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNR contact: 2501 Golf Course Rd, Ashland, WI, 54806, or at [chris.saari@wisconsin.gov](mailto:chris.saari@wisconsin.gov).

**Residual Contamination:**

***Groundwater Contamination:***

Groundwater contamination originated at the property located at: 11427 S Business Hwy 53, Solon Springs, WI, 54873.

Contaminated groundwater has migrated onto your property at:  
Railroad Right of Way

The levels of

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, and Xylene.

contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If you or any other person plan to conduct utility or building construction for which dewatering will be necessary, you or that person must contact the DNR's Water Quality Program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>.

**Continuing Obligations on the Right-of-Way (ROW) :** As part of the response actions, I am proposing that the following continuing obligations be used at the affected ROW. If my closure request is approved, you will be responsible for the following continuing obligations:

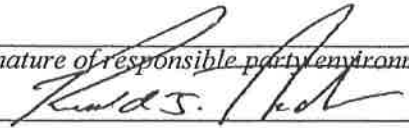
**GIS Registry and Well Construction Requirements:**

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in 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. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

G.B

If you have any questions regarding this notification, I can be reached at: (608) 781-8879  
jasonp@metcohq.com

<i>Signature of responsible party/environmental consultant for the responsible party</i>	Date Signed
	2/10/19

**Attachments**  
**Contact Information**  
**Legal Description for each Parcel:**

G.B.

3.b. GROUNDWATER  
CONCENTRATION

SMITH'S UNION 76 STATION



700 Gilchrist Street, Suite 7  
La Crosse, WI 54601  
Tel: (608) 785-8875  
Fax: (608) 785-8873

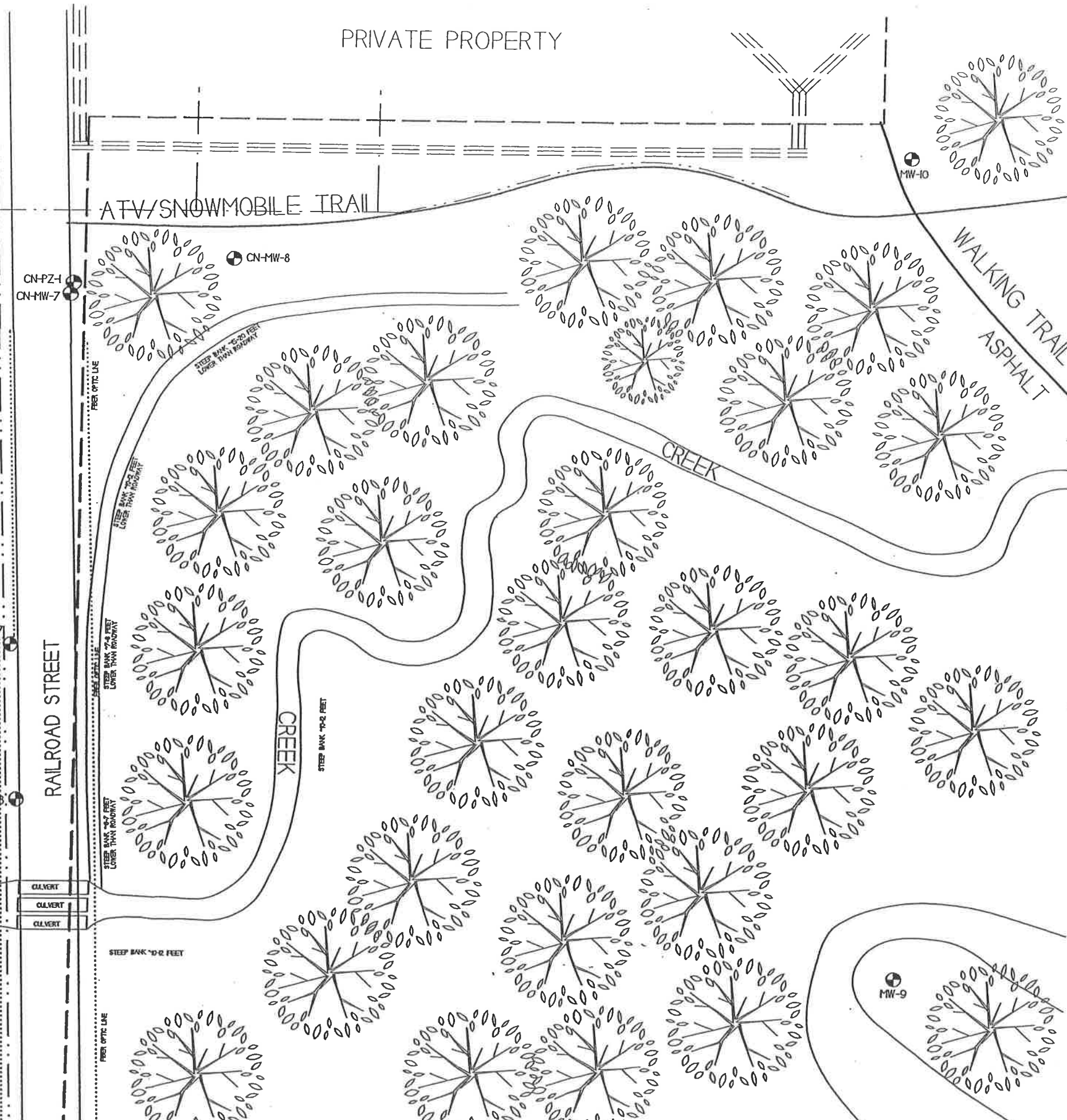
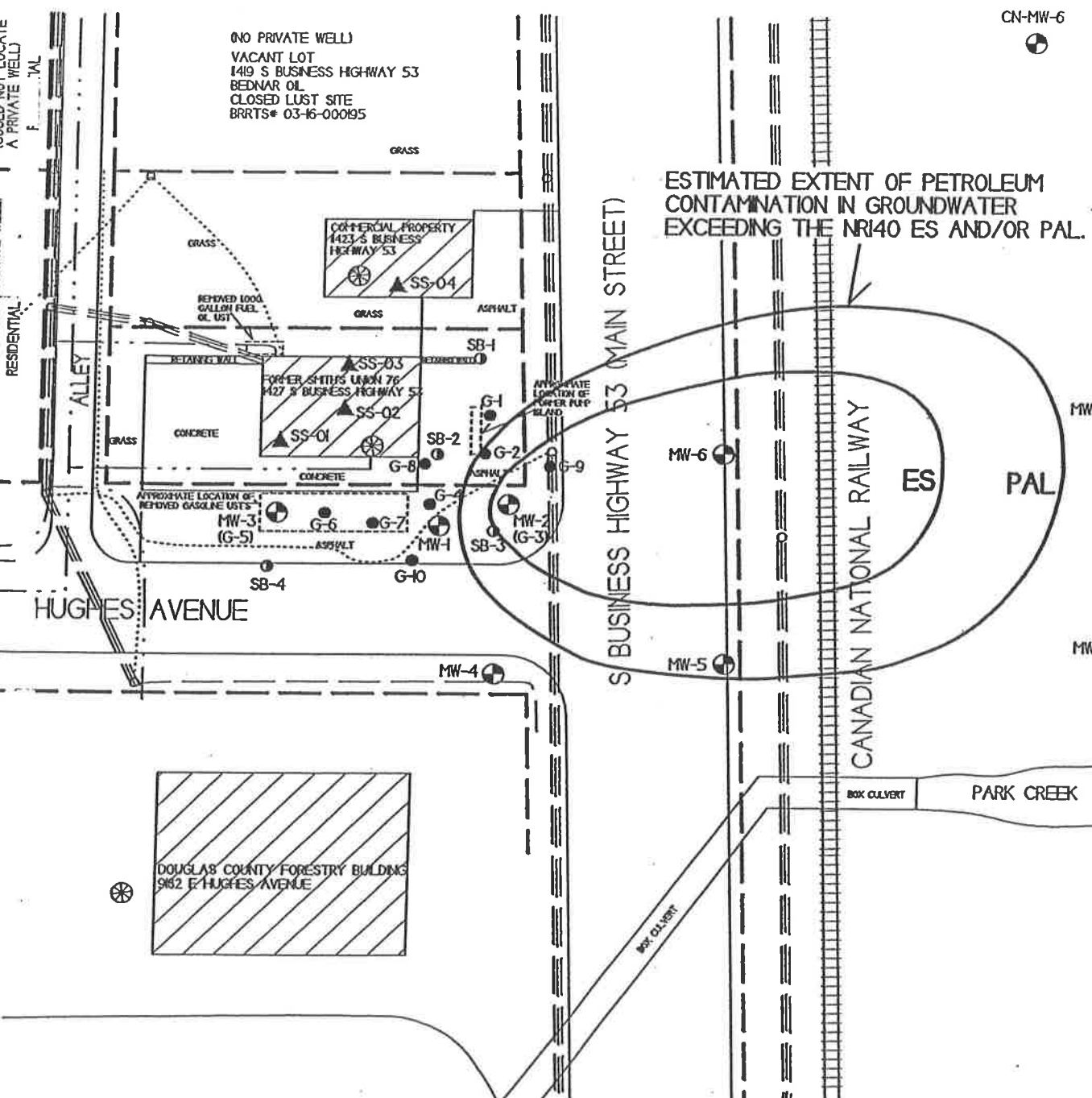
SOLON SPRINGS,  
WISCONSIN

DRAWN BY: ED DATE: 04/27/2010  
UPDATED BY: HF DATE: 07/18/2010


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

- ⊕ - MONITORING WELL LOCATION
- ⊙ - MONITORING WELL LOCATION (OPEN SOLON SPRINGS INVESTIGATION LUST SITE)
- - GEOPROBE BORING LOCATION
- ⊖ - SOIL BORING LOCATION (TWIN CITY TESTING - 1990)
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ⊗ - POTABLE WELL LOCATION

- ==== OVERHEAD LINES
- BURIED ELECTRIC
- - - TELEPHONE LINE
- - - NATURAL GAS
- - - SANITARY SEWER
- - - PROPERTY LINE



G.B.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																
<ul style="list-style-type: none"><li>■ Complete items 1, 2, and 3.</li><li>■ Print your name and address on the reverse so that we can return the card to you.</li><li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>	<p>A. Signature <input checked="" type="checkbox"/> <i>Juan Campos</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>																
<p>Canadian National Railway Devin Sprinkle 17641 S. Ashland Avenue Homewood, IL 60430</p>	<p>B. Received by (Printed Name) <i>Juan Campos</i> C. Date of Delivery <i>7-16-19</i></p>																
<p> 9590 9403 0958 5223 6284 18</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes if YES, enter delivery address below: <input type="checkbox"/> No</p>																
<p>2 Article Number (Transfer from carrier label) 7015 1660 0000 4342 8919</p>	<p>3. Service Type</p> <table border="0"><tr><td><input type="checkbox"/> Adult Signature</td><td><input type="checkbox"/> Priority Mail Express®</td></tr><tr><td><input type="checkbox"/> Adult Signature Restricted Delivery</td><td><input type="checkbox"/> Registered Mail™</td></tr><tr><td><input checked="" type="checkbox"/> Certified Mail®</td><td><input type="checkbox"/> Registered Mail Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Certified Mail Restricted Delivery</td><td><input type="checkbox"/> Return Receipt for Merchandise</td></tr><tr><td><input type="checkbox"/> Collect on Delivery</td><td><input type="checkbox"/> Signature Confirmation™</td></tr><tr><td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td><td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Insured Mail</td><td></td></tr><tr><td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td><td></td></tr></table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise																
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™																
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)																	
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>Domestic Return Receipt</p>																



G.C.

Notification of Continuing Obligations  
and Residual Contamination  
Form 4400-286 (9/15)

**Section C: Notification to the Department of Transportation of Contamination Within the Right-of-Way**

**Instructions:** Fill out the requested information. Submit via e-mail to [DOTHazmatUnit@dot.wi.gov](mailto:DOTHazmatUnit@dot.wi.gov).  
Include "Notification of Contamination" in the subject line of the e-mail. The DOT sends a receipt electronically (e-mail).  
*No factsheets needed.*

You may also submit the information by certified mail, return receipt requested, or by standard mail to:

WisDOT- Bureau of Technical Services - ESS  
ATTN: Hazardous Materials Specialist  
4802 Sheboygan Ave Rm 451  
PO Box 7965  
Madison, WI 53707-7965

**Notification of Contamination within a DOT Right-of-Way**

Site Name: Smith's Union 76 (Former)

County: Douglas		Highway: S Business Highway 53		
Address 1427 S Business Highway 53		City Solon Springs	State WI	ZIP Code 54873
BRRTS Number: 03-16-000069	PECFA Number: 54-87-3005711	FID Number: 816029940		

**Owner Information**

Last Name Bachand	First Adam	MI MI	
Address 722 Tower Ave	City Superior	State WI	ZIP Code 54880

**Consultant Information**

Consulting Firm: METCO

Consultant Contact: Last Name Anderson	First Ronald	MI J	
Address 709 Gillette Street Suite 3	City La Crosse	State WI	ZIP Code 54603
Phone Number (608) 781-8879	Fax Number (608) 781-8893		
E-mail <a href="mailto:rona@metcohq.com">rona@metcohq.com</a>			

**Contamination Information**

Soil contamination?  Yes  No

Depth to contaminated soil:  
8 feet bgs

Vertical extent of contaminated soil: (from \_\_\_\_\_ feet to \_\_\_\_\_ feet below ground surface)  
8 to 16 feet below ground surface

Groundwater contamination?  Yes  No

Depth to water table:  
13.56 ft bgs to 16.57 ft bgs.

Describe the type(s) of contamination present.

Benzene, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzenes, Xylene.

Brief summary of cleanup activity:

Natural Attenuation

**Checklist of Documents to Submit**

- Current isoconcentration map of the groundwater contaminant plume
- Current isoconcentration map of soil contamination

G.C.

**Kaylin Felix**

---

**From:** DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>  
**Sent:** Tuesday, July 09, 2019 4:23 PM  
**To:** Kaylin Felix; DOT Hazmat Unit  
**Subject:** RE: Notification of Contamination

Thank you Kaylin, I've received the notification for the Former Smith's Union 76 on Business 53 in Solon Springs, BRRS # 03-16-000069. Please keep a copy of this email for your records.

Sharlene Te Beest  
Hazardous Materials Specialist  
WI Dept of Transportation  
Bureau of Technical Services, Environmental Services Section

Phone 608-266-1476; Cell 608-381-4789

Street Address:

4822 Madison Yards Way  
Room 5 South S513.12  
Madison, WI 53705

Mailing Address:

PO Box 7965  
Room 5 South S513.12  
Madison, WI 53707-7965

-----Original Message-----

**From:** Kaylin Felix <kaylinf@metcohq.com>  
**Sent:** Tuesday, July 9, 2019 1:46 PM  
**To:** DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>  
**Subject:** Notification of Contamination

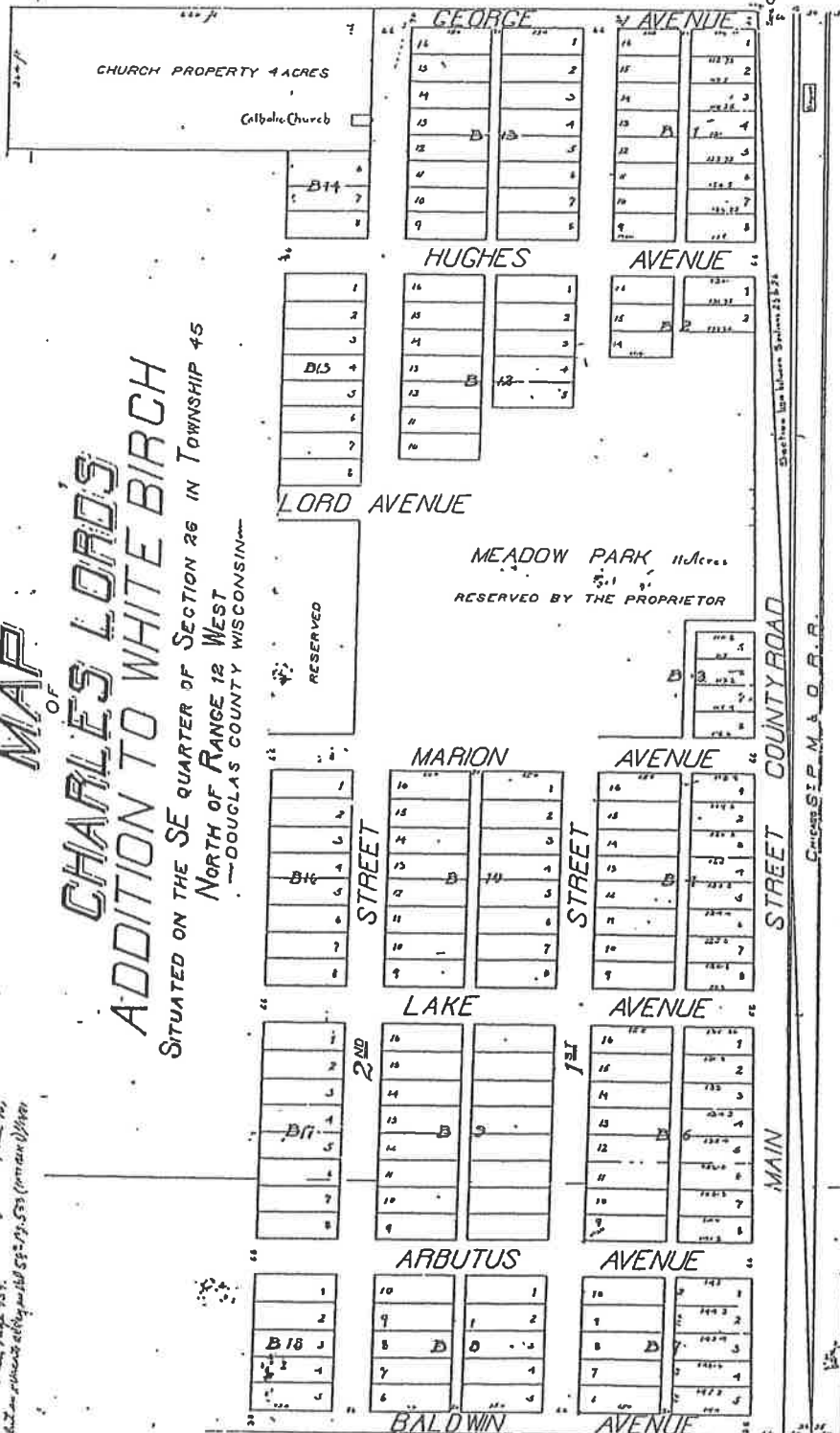
Notification of Contamination

The attached file is the filled-out form. Please open it to review the data.

G. Z. Certified  
Survey Map

**MAP OF CHARLES LORDS ADDITION TO WHITE BIRCH**

SITUATED ON THE SE QUARTER OF SECTION 26 IN TOWNSHIP 45 NORTH OF RANGE 12 WEST DOUGLAS COUNTY WISCONSIN



34 Bldg. Vending etc. other etc. 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

EX. C PAGE 247

State of Wisconsin  
Dodge County

I hereby certify that I have surveyed and do hereby certify that the owner of that portion of the E. 1/2 of Section Twenty Six (26) in Township Forty Four (44) North, of Range Sixteen (16) West, in Dodge County, Wisconsin, as represented by the plat, lying out the West and Adams half, one foot wide at right angles and parallel to the West line of the Section, and measuring the full block 100 feet long by 200 feet wide East and West of the full block, and divided into Section lots each 50 feet by 100 feet. The length of the irregular lots forming one Main Street, and on the West half of blocks 1 & 2, are as follows: the West line of the Main Street, one end, appears, was drawn at the corner of the block on the East side of said Street as follows - N 88° 00' E of block 1, S 88° 00' E of block 2; the S 88° 00' E of block 1 & 2 - of the NW cor of block 1 the N 88° 00' E of block 1 is 50 feet North of the South line on lot 25 & 26. The S 88° 00' E of block 2 is 75 feet North of the line 1 & 2 is 116 feet West of the cor of Section 25 & 26. Each 100 feet to one end. Division of the width 200 feet. There is a correct map drawn from the field notes of survey made in full compliance with the laws of Wisconsin, on each end, north and south, provided.

Superior, Wis May 20<sup>th</sup> 1890

George R. Stuntz  
Surveyor

State of Wisconsin  
Dodge County

I hereby certify that I have examined the lands described in the foregoing certificate of George R. Stuntz, Surveyor, to be surveyed and, as appears, as represented on the within map.

Superior, Wis May 20<sup>th</sup> 1890

Geo. R. Hughes }  
Geo. R. Hughes }  
H. H. George }  
H. H. George }

Charles Ford  
Notary Public  
Superior, Wis

State of Wisconsin  
Dodge County

We do certify that on this 20<sup>th</sup> day of May, A. D. 1890 before me personally appeared Charles Ford, a man known to me, the person who executed the foregoing certificate and acknowledged that he executed the same as he foresaw and for the uses and purposes therein set forth.

Geo. R. Hughes  
Notary Public  
Superior, Wis

Notary Seal

State of Wisconsin  
Dodge County

We do certify that on this 20<sup>th</sup> day of May, A. D. 1890 before me personally appeared Charles Ford, a man known to me, the person who executed the foregoing certificate and acknowledged that he executed the same as he foresaw and for the uses and purposes therein set forth.

H. H. George  
Notary Public  
Superior, Wis

Notary Seal

State of Wisconsin  
Dodge County

I hereby certify that the within instrument was filed in the office for records with a true copy of May 20<sup>th</sup> 1890 at 9:30 a.m. and was duly recorded in Book C of 69th Page 207 & 209

H. H. George  
Notary Public  
Superior, Wis

G-3 Verification of Zoning

Parcel #: SS-181-00505-00

Valid as of 11/03/2016 02:15 PM

Alt. Parcel #:

VILLAGE OF SOLON SPRINGS  
DOUGLAS COUNTY,  
WISCONSIN

<b>Owner and Mailing Address:</b> BACHAND ESTATES LLP B-8 ASPEN COURT SUPERIOR WI 54880		<b>Co-Owner(s):</b>	
<b>Districts:</b>		<b>Physical Property Address(es):</b> * 11427 S BUSINESS 53	
<b>Dist#</b>	<b>Description</b>	<b>Parcel History:</b>	
16	DOUGLAS COUNTY	<b>Date</b>	<b>Doc #</b>
5397	SOLON SPRGS SCHOOL DIST	05/12/2008	816411
1700	WITC (VTAE)	05/12/2008	816413
		05/12/2008	816412
			705715
			<i>more...</i>
<b>Legal Description:</b> LOT 8, BLK 1, CHARLES LORD'S ADD TO WHITE BIRCH 26-45-12		<b>Acres:</b> 0.000	

Plat	Tract (S-T-R 40% 160% GL)	Block/Condo Bldg
* 1030-CHARLES LORD'S ADDITION TO WHITE BIRCH	26-45N-12W SE	1 LOT 8

**2016 Valuations:**

Values Last Changed on  
07/21/2015

Class and Description	Acres	Land	Improvement	Total
G2-COMMERCIAL	0.143	6,200.00	38,800.00	45,000.00
<b>Totals for 2016</b>				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00
<b>Totals for 2015</b>				
General Property	0.143	6,200.00	38,800.00	45,000.00
Woodland	0.000	0.00	0.00	0.00

**2016 Taxes**

Taxes have not yet been calculated.

Key

\*  
Primary

## G.4 Signed Statement

WDNR BRRTS Case #: 03-16-000069

WDNR Site Name: Smith's Union 76

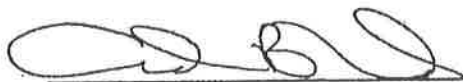
### Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party:

Adam Bachand President Bachand Estates LLP  
(print name/title)

  
(signature)

7/8/2019  
(date)



June 25, 2020

MR DEVIN SPRINKLE  
CANADIAN NATIONAL RAILWAY  
17641 S ASHLAND AVE  
HOMEWOOD IL 60430

SUBJECT: Notice of Closure Approval with Continuing Obligations for Rights-of-Way Holders for CN Right-of Way in Solon Springs, Wisconsin Final Case Closure for Smith's Union 76 (Former), 11427 Business Highway 53, Solon Springs, Wisconsin DNR BRRTS Activity # 03-16-000069

Dear Mr. Sprinkle:

The Department of Natural Resources (DNR) recently approved the completion of environmental work conducted at the Smith's Union 76 (Former) site. This letter describes how that approval applies to CN's right-of-way (ROW) in Solon Springs, Wisconsin. As the ROW holder, you are responsible for complying with these continuing obligations for any work you conduct in the ROW.

State law directs parties responsible for environmental contamination to take actions to restore the environment and minimize harmful effects. The law allows some contamination to remain in soil and groundwater if it does not pose a threat to public health, safety, welfare or to the environment.

On July 16, 2019, you received information from METCO about the groundwater contamination in the ROW from Smith's Union 76 (Former), located at 11427 Business Highway 53, Solon Springs, Wisconsin, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

#### Applicable Continuing Obligations

The continuing obligations that apply to this right-of-way are described below, and are consistent with Wis. Stat. § 292.12, and Wis. Admin. § NR 700 series.

#### Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140, NR 812)

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached Figure B.3.b. Groundwater Isoconcentration (3/21/19), prepared by METCO and dated July 8, 2019. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way (ROW) holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW owners for the Canadian National Railroad, the Wisconsin Department of Transportation, and the Village of Solon Springs rights-of-way.

Monitoring Wells that could not be Properly Filled and Sealed (Wis. Admin. Code ch. NR 141)

Monitoring well MW-7 located on Canadian National Railroad ROW shown on the attached Figure B.3.d. Monitoring Wells, prepared by METCO and dated July 8, 2019, could not be properly filled and sealed because it was missing. Your consultant made a reasonable effort to locate the well and to determine whether it was properly filled and sealed but was unsuccessful. You may be held liable for any problems associated with the monitoring wells if they create a conduit for contaminants to enter groundwater. If any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located is required to notify the DNR, to properly fill and seal the wells and to submit the required documentation to the DNR. This continuing obligation applies to the ROW holders for Railroad Street.

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) at [dnr.wi.gov](http://dnr.wi.gov) and search "BOTW". Enter 03-16-000069 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **CO Packet** link for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found online at [dnr.wi.gov](http://dnr.wi.gov) and search "WRRD".

Please contact Barbara J. Flietner, the DNR project manager, at 715-762-1351 or by email at [Barbara.Flietner@Wisconsin.gov](mailto:Barbara.Flietner@Wisconsin.gov) with any questions or concerns. You can also contact me at 715-685-2920 or by email at [Christopher.Saari@Wisconsin.gov](mailto:Christopher.Saari@Wisconsin.gov).

Sincerely,



Christopher A. Saari  
Northern Region Team Supervisor  
Remediation and Redevelopment Program

Attachments:

- B.3.b. Groundwater Isoconcentration (3/21/19), METCO, July 8, 2019
- B.3.d. Monitoring Wells, METCO, July 8, 2019

cc: Adam Bachand – Bachand Estates, LLP (via email)  
Ron Anderson – METCO (via email)  
Barb Flietner – DNR Park Falls (via email)





June 25, 2020

MS KATHY BURGER  
VILLAGE CLERK  
VILLAGE OF SOLON SPRINGS  
PO BOX 273  
SOLON SPRINGS WI 54873

SUBJECT: Notice of Closure Approval with Continuing Obligations for  
Rights-of-Way Holders for Hughes Avenue and Main Street in Solon Springs  
Final Case Closure for Smith's Union 76 (Former)  
11427 Business Highway 53, Solon Springs, Wisconsin  
DNR BRRTS Activity #03-16-000069

Dear Ms. Burger:

The Department of Natural Resources (DNR) recently approved the completion of environmental work conducted at the Smith's Union 76 (Former) site. This letter describes how that approval applies to the Hughes Avenue and Main Street rights-of-way (ROW) in Solon Springs. As a ROW holder, you are responsible for complying with these continuing obligations for any work you conduct in the ROW.

State law directs parties responsible for environmental contamination to take actions to restore the environment and minimize harmful effects. The law allows some contamination to remain in soil and groundwater if it does not pose a threat to public health, safety, welfare or to the environment.

On July 16, 2019, you received information from METCO about the gasoline contaminated groundwater in the ROW from Smith's Union 76 (Former), located at 11427 Business Highway 53, Solon Springs, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

#### Applicable Continuing Obligations

The continuing obligations that apply to the Solon Springs ROWs are described below, and are consistent with Wis. Stat. § 292.12, and Wis. Admin. Code § NR 700 series.

#### Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140, NR 812)

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached Figure B.3.b. Groundwater Isoconcentration (3/21/19), prepared by METCO and dated July 8, 2019. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way (ROW) holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW owners for the Canadian National Railroad, the Wisconsin Department of Transportation, and the Village of Solon Springs rights-of-way.

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) at [dnr.wi.gov](http://dnr.wi.gov) and search "BOTW". Enter 03-16-000069 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **CO Packet** link for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found online at [dnr.wi.gov](http://dnr.wi.gov) and search "WRRD".

Please contact Barbara J. Flietner, the DNR project manager, at 715-762-1351 or by email at [Barbara.Flietner@Wisconsin.gov](mailto:Barbara.Flietner@Wisconsin.gov) with any questions or concerns. You can also contact me at 715-685-2920 or by email at [Christopher.Saari@Wisconsin.gov](mailto:Christopher.Saari@Wisconsin.gov).

Sincerely,



Christopher A. Saari  
Northern Region Team Supervisor  
Remediation and Redevelopment Program

Attachments:

- B.3.b. Groundwater Isoconcentration (3/21/19), METCO, July 8, 2019

cc: Adam Bachand – Bachand Estates LLP (via email)  
Ron Anderson – METCO (via email)  
Barb Flietner – DNR Park Falls (via email)