



August 25, 2022

WDNR

Attn: Carrie Stoltz
107 Sutliff Avenue
Rhineland, WI 54501



Subject:

Post-Closure Modification Request
Former Northwoods Laundry
Former 405 Front Street (518 Chippewa Street)
Minocqua, WI 54548
Closed BRRTS #02-44-000517
FID #744076960

Dear Ms. Stoltz:

On behalf of Bottled Bean LLC, REI Engineering, Inc. (REI) is submitting this Post-Closure Modification Request (Form 4400-237) in preparation for redevelopment at the above referenced site in accordance with Wisconsin Administrative Code (WAC) chapter NR 727.07. Planned site work includes earthwork during construction of new building, parking lot, utility installation, and potentially other items.

LOCATION

The proposed redevelopment is located in the Southeast Quarter (SE ¼) of the Northwest Quarter (NW ¼) of Section Fourteen (14), Township Thirty-Nine North (39N), Range Six East (6E), Oneida County, Wisconsin. The subject property was formerly identified as 405 Front Street. The subject property is currently listed with the street address of 518 Chippewa Street, Minocqua, WI and will be readdressed. The subject property contains 0.39 acres of land and is bound by the right-of-way of USH 51/Chippewa Street to the north and west, vacant commercial lot to the east and commercial lot to the south. A site location map is included as in the attached Figure 1.

BACKGROUND

The following site history was documented in the Final Case Closure with Continuing Obligations document on the WDNR website (BRRTS 02-44-000517). The site of the former Northwoods Laundry was originally developed in the early 1900s as a hotel and tavern. The most recent building occupying the subject property was built in the 1960s. The building originally housed Foltz Realty and a liquor store. Northwoods Laundry and Dry Cleaning took over the portion of the building used as liquor store in the 1970s. The dry-cleaning operation at the business ceased in 1992.

In 1993, a Phase II investigation detected tetrachloroethene (PCE) within the soil in the proposed USH 51 ROW at the subject property (Phase II Environmental Site Assessment - Northwoods Laundry and Dry Cleaning [Site No. 3], by Giles Engineering Associates, Inc.,



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4080 N. 20th Avenue Wausau, WI 54401
715-675-9784 REIengineering.com

January 1994). In 1994, a Phase 2.5 investigation was completed at the site and determined that Chlorinated Volatile Organic Compound (CVOC) soil impacts were limited to the upper five feet of soil at the subject property, and groundwater had also been impacted by CVOCs. (Phase 2.5 Environmental Site Assessment – Northwoods Laundry and Drycleaning [Site #3], by Giles Engineering Associates, Inc., September 1994). The WisDOT acquired a portion of the site in 1995 for the realignment of USH 51 in Minocqua.

In 1996, RMT advanced additional soil borings to further define the extent of PCE contamination in soil. The results showed that PCE impacts in soil were limited to the eastern end of the former Northwoods Laundry site at concentrations ranging from 2.1 µg/kg to 3,100 µg/kg. Impacted soil was limited to the upper two (2) feet over the majority of the area. However, PCE was detected to a depth of four (4) feet below land surface (bls) at two (2) locations. Giles and RMT drilled twenty-four (24) soil borings at the former Northwoods Laundry site, with five (5) borings extending to seventeen (17) feet bls. The extent of VOC was limited to the upper four (4) feet. (Remedial Action Plan, RMT, Inc., July 1996)

In 1996, approximately 350 tons of PCE-impacted soils were excavated and treated off-site by incorporation in asphalt. Following source removal, the Northwoods Laundry (BRRTS #02-44-000517) was granted case closure on October 2, 1996. (Remedial Documentation, WisDOT USH 51 Reconstruction Project, by RMT, Inc., September 1996) According to the Remedial Documentation Report, shallow PCE contaminated soil was remediated via over-excavation. See Figure B.2.B Residual Soil Contamination map in the attached Continuing Obligations packet which identifies depths of the excavation during soil source removal at the subject property.

CVOC detections in groundwater were identified in adjacent LUST sites (BRRTS #03-44-001150 & #03-44-000829) which prompted the Northwoods Laundry case to be reopened by WDNR on September 28, 1998.

In May 2017, TRC installed fifteen (15) small diameter groundwater monitoring wells to collect off-site downgradient samples. Based on the groundwater CVOC plume extents defined in the 2017 sampling, TRC also conducted a vapor intrusion assessment to identify which on- or off-site receptors may be at risk for vapor intrusion. Based on the vapor intrusion assessment, nine (9) properties required vapor intrusion investigation. (Vapor Intrusion Investigation Work Plan, by TRC, March 2018)

Two (2) rounds of background (outdoor air), indoor air, and sub-slab vapor samples were collected from the on-site and off-site properties identified on Figure B.4.a.i. Samples were collected in March and June/July 2018. CVOCs were detected in outdoor air, indoor air, and sub-slab vapor samples, but no samples exceed applicable indoor air VALs or sub-slab VRSLs.

Following additional investigation, the Northwoods Laundry site was granted Final Case Closure with Continuing Obligations on August 18, 2020. The area of soil and groundwater contamination listed at the time of closure is shown on the attached site map (Figure 2).

CONTINUING OBLIGATIONS

The Final Case Closure with Continuing Obligations letter for Northwoods Laundry (BRRTS #02-44-000517) listed the following continuing obligations:

1. Residual Groundwater Contamination: Tetrachloroethene (PCE) and trichloroethene (TCE) groundwater contamination greater than enforcement standards are present both on this contaminated property and off this contaminated property, as shown on the attached Figures B.3.B.I PCE Isoconcentration Map July 2018 and B.3.B.II TCE Isoconcentration Map July 2018, prepared by TRC and dated December 21, 2018. 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 holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the owners of the following street address [Parcel Identification Numbers]: former 405 Front Street [MI 3262-1, MI 3263 and MI 3261-3]; 515 Chippewa Street [MI 3239]; 329 Front Street [MI 3240]; no street address [MI 3241]; 321 Front Street [MI 3242]; 313-317 Front Street [MI 3243]; 301-307 Front Street [MI 3245 and MI 3246]; 300 Front Street [MI 2205-9 and MI 2205-10]; and the ROW holders from Front Street, unnamed north-south alleyway (300 block of West Front Street between West Front Street and Milwaukee Street), US Highway 51/Chippewa Street and US Highway 51/Oneida Street.
2. Residual Soil Contamination: Tetrachloroethene soil contamination remains in the southeast portion of the source property extending under the former building foundation and into the right-of-way of US Highway 51/Chippewa Street. A small area of soil contamination is beneath the right-of-way of US Highway 51/Chippewa Street around soil boring B-1/TB3-1, as indicated on the attached Figure B.2.B Residual Soil Contamination, prepared by TRC and dated December 21, 2018. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way 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 right-of-way 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 owner of former 405 Front Street [MI 3262] and the ROW holders of US Highway 51/Chippewa Street.

In addition, all current and future owners and occupants of the property and right-of-way 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.

POST-CLOSURE MODIFICATION – NOTIFICATION

Bottled Bean LLC is formally notifying WDNR in accordance with WAC Ch. NR 727.07(6) that a new building is proposed to be constructed over PCE impacted residual soil and groundwater contamination.

Soil contamination remains at the subject property in the footprint of the proposed redevelopment exceeding the WAC ch. NR 720 Groundwater Pathway Protection RCL for tetrachloroethylene. However, contamination is not expected to be encountered due to the vertical separation between new building foundation and depth to residual soil contamination at the subject property. Planned filling for the new building will also increase the vertical separation with residual soil contamination. In 1996, an over-excavation of PCE impacted soil

was completed ranging in depth of two to four (2-4) feet deep in the northern corner of the proposed new building footprint.

The proposed project approach includes stripping and exporting four to six (4-6) inches of topsoil to prepare the site for redevelopment. Importing one to one and a half (1-1.5) feet of clean fill to raise the site elevation for new building construction and parking lot. The proposed building is a concrete floating slab on grade design with thickened grade beam and is not anticipated to require excavation to depths of residual soil contamination identified at the time of Case Closure shown on Figure 2. The proposed foundation plan is also included as an attachment.

Based on vertical separation between the new construction and documented historical contamination, Bottled Bean LLC requests to not collect soil samples for this redevelopment project.

If obvious soil contamination is identified during construction (visually or odor), the General Contractor is required to notify REI. REI will assist with soil sampling, profiling, and managing the material in accordance with State requirements.

SCHEDULE

Bottled Bean LLC site redevelopment is scheduled to commence in Fall of 2022. A post construction documentation report will be submitted following project completion.

Please contact me at 715-675-9784 or bbailey@REIengineering.com if you have questions or require further information on this request.

REI Engineering, Inc.



Brian J. Bailey
Scientist/Project Manager

Cc: Bottled Bean LLC (e-copy)


Attachments: NR 712 Certification
Post-Closure Modification Request (Form 4400-237) with \$1700 fee
REI Figures
Previous Case Closure with Continuing Obligations (WDNR, August 18, 2020)
Previous Vapor Documentation from Case File (Tables & Figures)
Proposed Foundation Plan & Details

POST-CLOSURE MODIFICATION REQUEST

WISCONSIN ADMINISTRATIVE CODE CHAPTER NR712 CERTIFICATIONS

The recommendations contained in this report are based on the information obtained from our study of the site and were arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location.


"I, Andrew R. Delforge, 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."



Hydrogeologist

8/25/2022
Date


"I, Brian J. Bailey, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (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."



Scientist

8/25/2022
Date

"I, Eric L. Bradfish, 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; 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."



Environmental Engineer



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.

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)

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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 Knobeck | First Tyler | MI | Organization/ Business Name Bottled Bean LLC |
| Mailing Address 7412 Golfway Ct. | | | City Minocqua |
| | | | State WI |
| | | | ZIP Code 54548 |
| Phone # (include area code) (215) 584-3634 | Fax # (include area code) | Email tylerknobs@gmail.com | |

The requester listed above: (select all that apply)

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

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

Select if same as requester

| | | | |
|---|---------------------------|-------------------------------|---|
| Contact Last Name Knobeck | First Tyler | MI | Organization/ Business Name Bottled Bean LLC |
| Mailing Address 7412 Golfway Ct. | | | City Minocqua |
| | | | State WI |
| | | | ZIP Code 54548 |
| Phone # (include area code) (215) 584-3634 | Fax # (include area code) | Email tylerknobs@gmail.com | |

Environmental Consultant (if applicable)

| | | | |
|---|---|-------------------------------------|--|
| Contact Last Name Bailey | First Brian | MI J | Organization/ Business Name REI Engineering, Inc. |
| Mailing Address 4080 North 20th Avenue | | | City Wausau |
| | | | State WI |
| | | | ZIP Code 54401 |
| Phone # (include area code) (715) 675-9784 | Fax # (include area code) (715) 675-4060 | Email bbailey@reiengineering.com | |

Section 2. Property Information

| | | | |
|---|--|---|---------------------------------|
| Property Name Former Northwoods Laundry | | | FID No. (if known) 744076960 |
| BRRTS No. (if known) 02-44-000517 | | Parcel Identification Number MI-3263 | |
| Street Address Former 405 Front Street (518 Chippewa Street) | | | City Minocqua |
| | | | State WI |
| | | | ZIP Code 54548 |
| County Oneida | Municipality where the Property is located <input type="radio"/> City <input checked="" type="radio"/> Town <input type="radio"/> Village of Minocqua | Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels | Property Size Acres 0.39 |

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

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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: 09/15/2022

Reason: Construction to begin in Fall 2022

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

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"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

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Section 4. Request for Liability Clarification (cont.)

- 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.

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

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.

- 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

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: _____

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: _____
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

8/24/22
Date Signed

Owner, Bottled Bean LLC
Title

215-584-3634
Telephone Number (include area code)

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

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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/rr/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

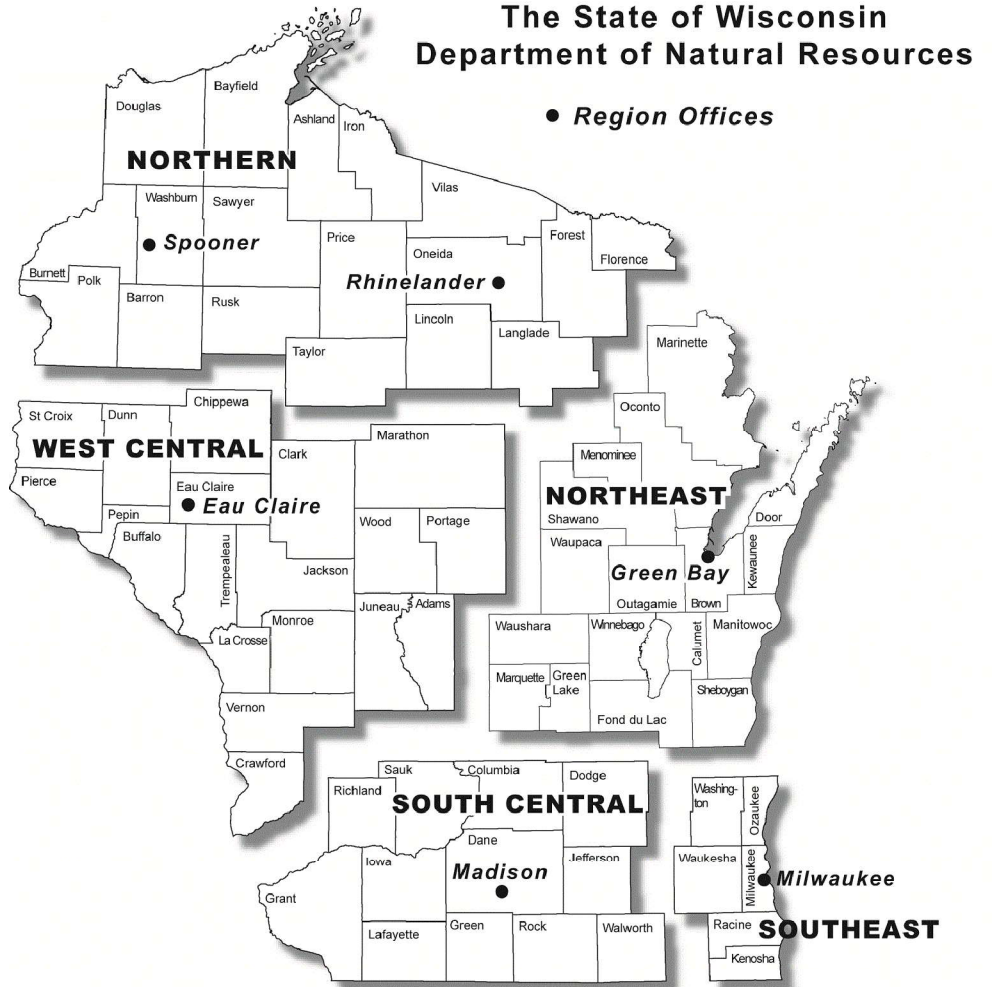
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

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

DNR WEST CENTRAL REGION

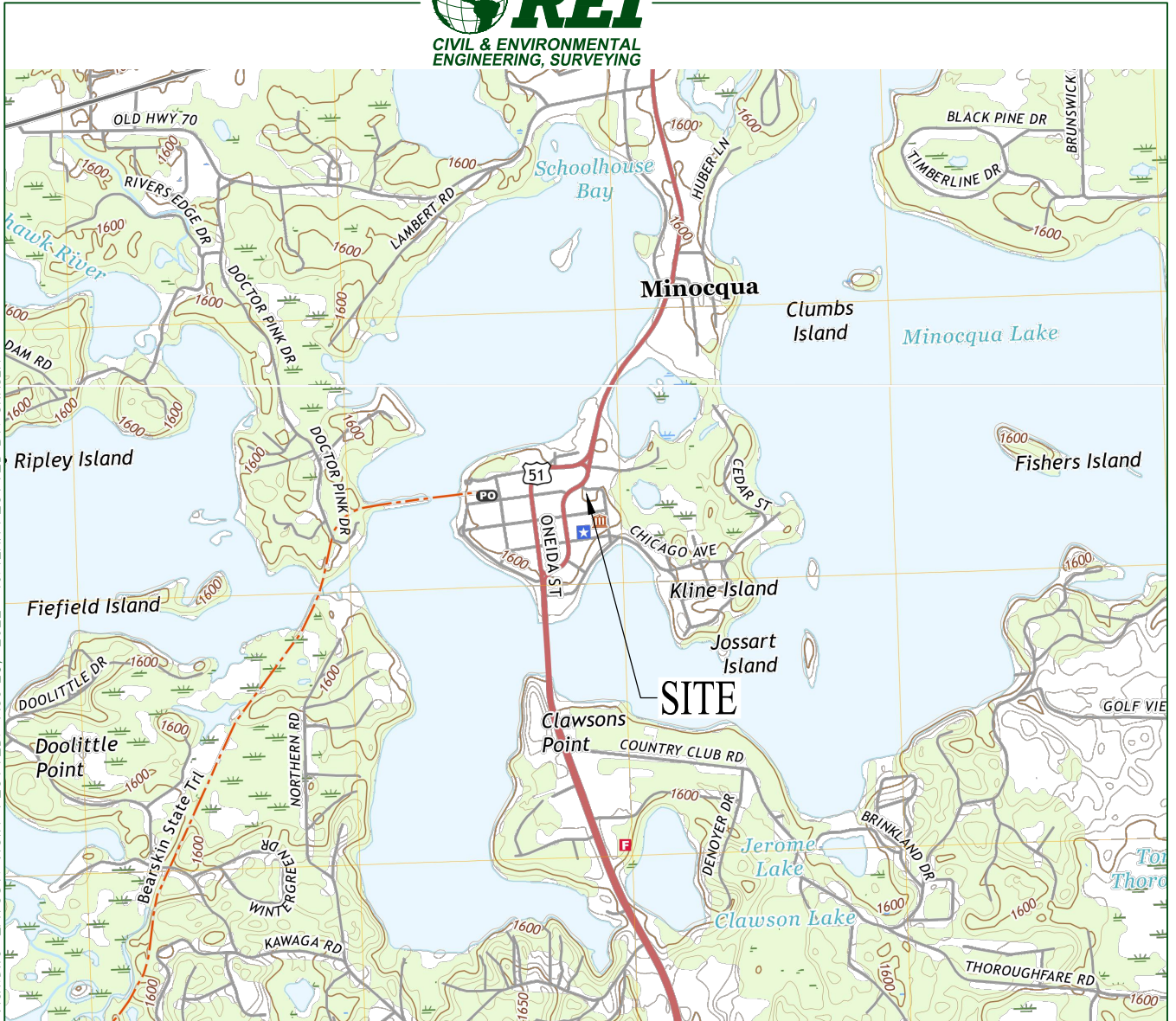
Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



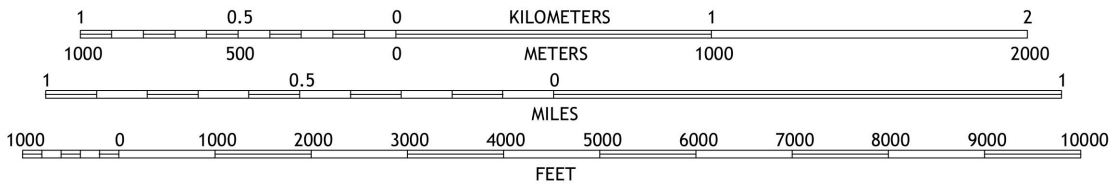
Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

| 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 | | |

DRAWING FILE: Q:\10500 - 10599\10587A - KNOBECK PROPERTY - PC\10587A-VICN.DWG LAYOUT: VICIN PLOTTED: Aug 23, 2022 - 10:42AM PLOTTED BY: CHASEK



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

2°52'
 51 MILS
 1°56'
 34 MILS

HAZELHURST QUADRANGLE
WISCONSIN - ONEIDA COUNTY
7.5-MINUTE SERIES



QUADRANGLE LOCATION

UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

REI ENGINEERING, INC.

KNOBECK PROPERTY
518 CHIPPEWA STREET
MINOCQUA, WI 54548



FIGURE 1 : VICINITY MAP

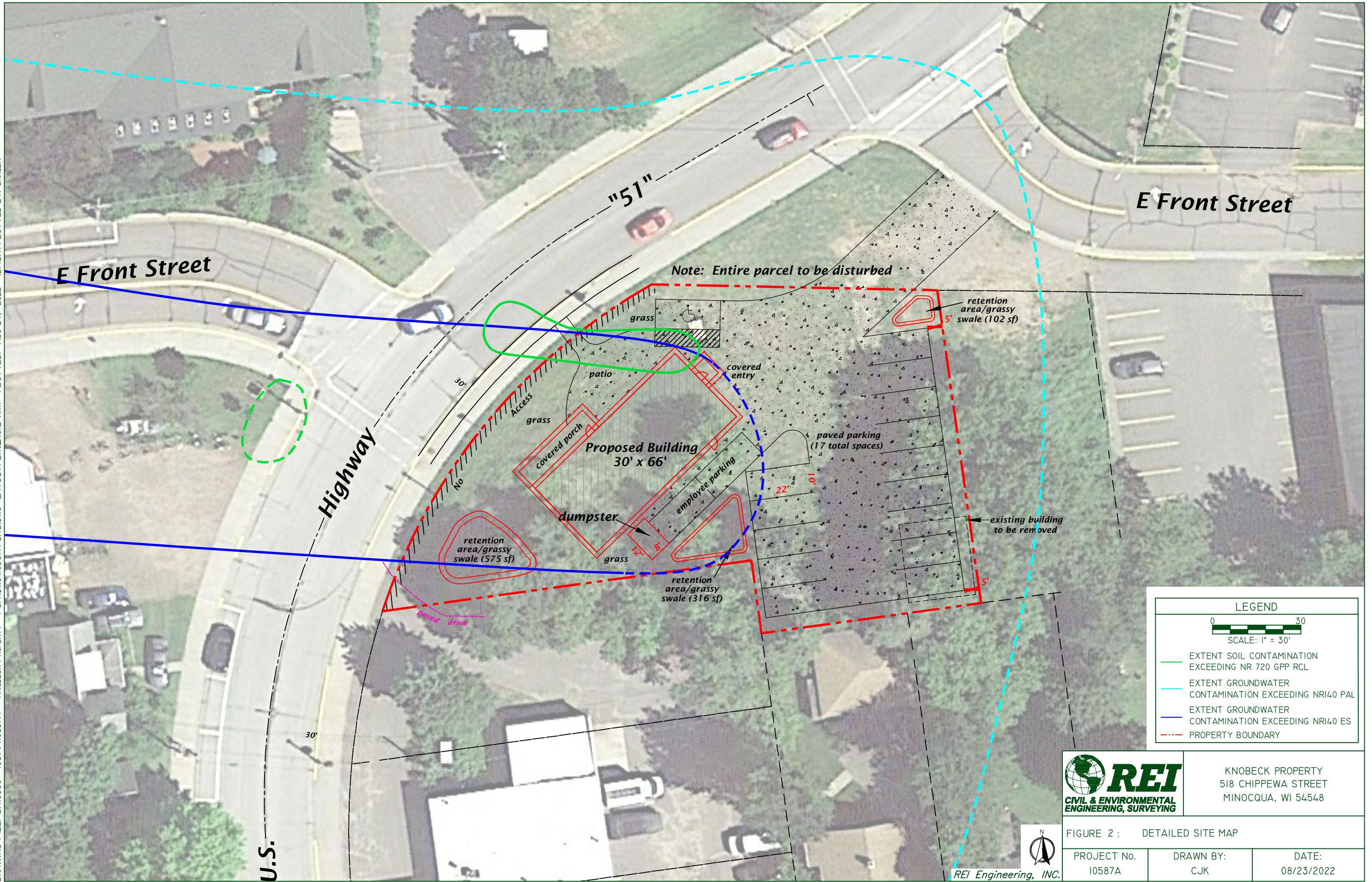
PROJECT NO.

10587A

DRAWN BY:
CJK

DATE:
08/23/2022

DRAWING FILE: Q:\10500 - 1059\10587A - KNOBECK PROPERTY - PC\10587A-SITE.DWG LAYOUT: ENV-Horz-1x17 PLOTTED: Aug 24, 2022 - 12:42PM PLOTTED BY: CHASEK



LEGEND

0 30
SCALE: 1" = 30'

- EXTENT SOIL CONTAMINATION EXCEEDING NR 720 GPP RCL
- EXTENT GROUNDWATER CONTAMINATION EXCEEDING NRI40 PAL
- EXTENT GROUNDWATER CONTAMINATION EXCEEDING NRI40 ES
- PROPERTY BOUNDARY



KNOBECK PROPERTY
518 CHIPPEWA STREET
MINOCQUA, WI 54548

FIGURE 2 : DETAILED SITE MAP

| | | |
|-----------------------|------------------|---------------------|
| PROJECT No. 10587A | DRAWN BY: CJK | DATE: 08/23/2022 |
|-----------------------|------------------|---------------------|





August 18, 2020

DEPARTMENT OF TRANSPORTATION
ATTN: SHARLENE TE BEEST
PO BOX 7965
ROOM 5 SOUTH S513.12
MADISON WI 53707-7965

MR WILLIAM R SCHMITZ
N95 W26740 COUNTY HWY Q
COLGATE WI 53017

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Northwoods Laundry, 405 Front Street, Minocqua, Wisconsin
DNR BRRTS Activity #02-44-000517
FID #744076960

Dear Ms. Te Beest and Mr. Schmitz:

The Department of Natural Resources (DNR) considers the Northwoods Laundry 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's Northern Region Closure Committee reviewed the request for closure on August 1, 2019. 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 August 6, 2019, and documentation that the conditions in that letter were met was received on September 13, 2019.

The investigative and remedial activities completed at this site were conducted for the discharge of hazardous substances, environmental pollution, or both (hereinafter referred to as contamination) at this site, which was historically used as a hotel and tavern, later housing a real estate office, liquor store, and a laundry and dry-cleaning business. Case closure under Wis. Admin. Code chs. NR 726 and NR 727 is granted for the contaminants analyzed during the site investigation, as documented in the DNR case file. The laundry and dry-cleaning business began operating in the 1970s with the dry-cleaning operations ceasing in 1992. Contamination was discovered in 1993 during a Phase II assessment. The Department of Transportation acquired a portion of the property in 1995 for the re-alignment of US Highway 51/Chippewa Street. The site was closed in 1996 following

remediation work associated with the US Highway 51/Chippewa Street reconstruction but was re-opened in 1998 due to detections of chlorinated compounds in groundwater at nearby active remediation sites. Remedial actions included excavation of contaminated soils and groundwater monitoring. Remaining soil and groundwater contamination will be addressed through natural attenuation. 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.

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 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 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 and search “RRSM”.

The DNR’s approval prior to well construction or reconstruction is required in accordance with Wis. Admin. Code s. 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 and search “3300-254”.

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

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you, and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter are met. If these requirements are not followed, the DNR may take enforcement action under Wis. Stat. § 292.11, to ensure compliance with the specified requirements, limitations or other conditions related to the property.

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

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

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

Tetrachloroethene (PCE) and trichloroethane (TCE) groundwater contamination greater than enforcement standards are present both on this contaminated property and off this contaminated property, as shown on the attached Figures B.3.B.I PCE Isoconcentration Map July 2018 and B.3.B.II: TCE Isoconcentration Map July 2018, prepared by TRC and dated December 21, 2018. 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 holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the owners of the

following street addresses [Parcel Identification Numbers]: former 405 Front Street [MI 3262-1, MI 3263 and MI 3261-3]; 515 Chippewa Street [MI 3239]; 329 Front Street [MI 3240]; no street address [MI 3241]; 321 Front Street [MI 3242]; 313-317 Front Street [MI 3243]; 301-307 Front Street [MI 3245 and MI 3246]; 300 Front Street [MI 2205-9 and MI 2205-10]; and the ROW holders for Front Street, unnamed north-south alleyway (300 block of West Front Street between West Front Street and Milwaukee Street), US Highway 51/Chippewa Street and US Highway 51/Oneida Street.

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

Tetrachloroethene soil contamination remains in the southeast portion of the source property extending under the former building foundation and into the right-of-way of US Highway 51/Chippewa Street. A small area of soil contamination is beneath the right-of-way of US Highway 51/Chippewa Street around soil boring B-1/TB3-1, as indicated on the attached Figure B.2.B Residual Soil Contamination, prepared by TRC and dated December 21, 2018. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way 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 right-of-way 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 owner of former 405 Front Street [MI 3262] and the ROW holders for US Highway 51/Chippewa Street

In addition, all current and future owners and occupants of the property and right-of-way 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.

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 Carrie Stoltz at (715) 360-1966 or at Carrie.Stoltz@Wisconsin.gov. You can also contact me at (715) 208-4004 or by email at Christopher.Saari@wisconsin.gov.

Sincerely,



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

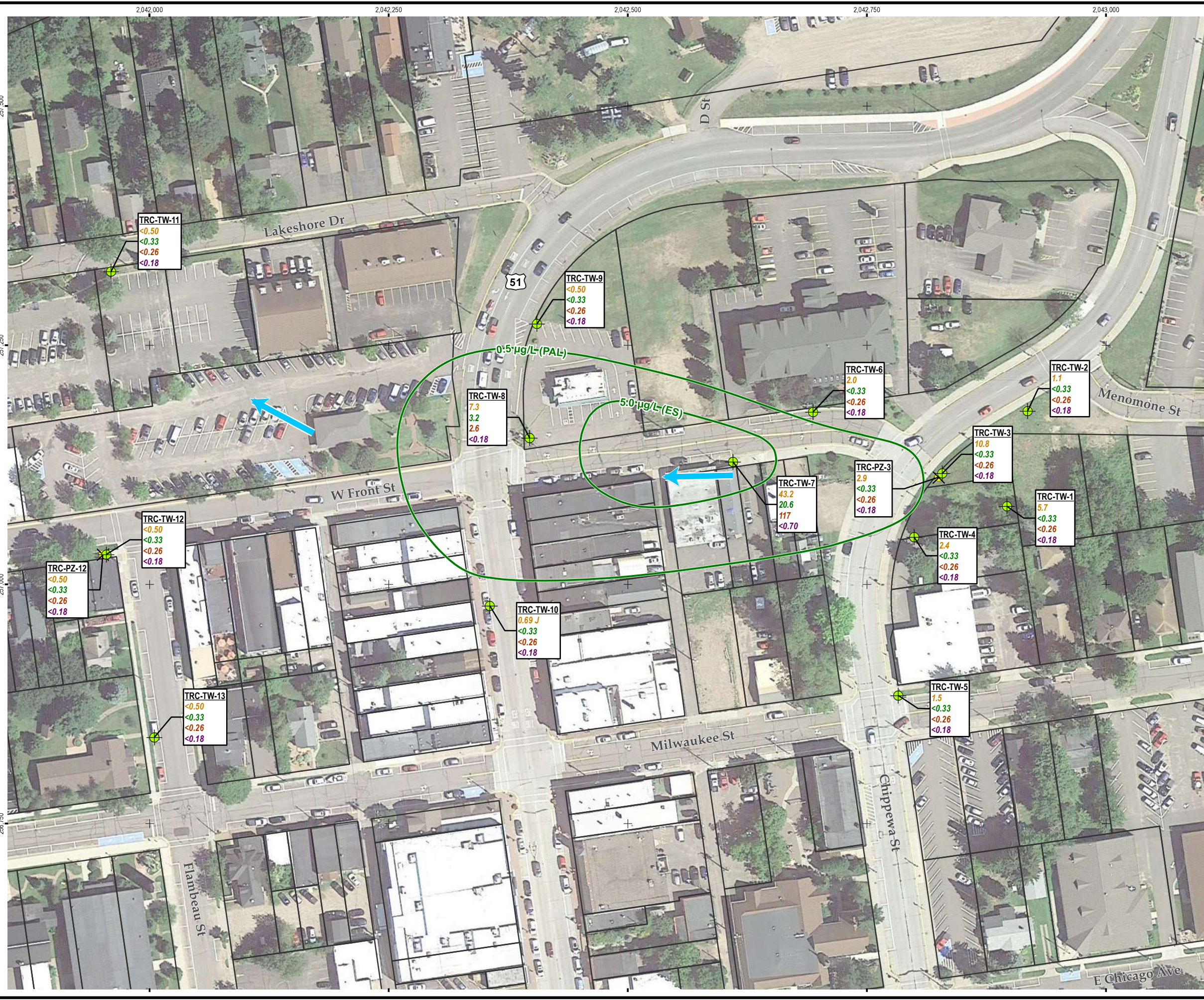
Enclosure: Continuing Obligations for Environmental Protection, DNR Publication RR-819

Attachments:

- Figure B.3.B.I PCE Isoconcentration Map July 2018, TRC, December 21, 2018
- Figure B.3.B.II TCE Isoconcentration Map July 2018, TRC, December 21, 2018
- Figure B.2.B Residual Soil Contamination, TRC, December 21, 2018

cc: Dan Haak – TRC (via email)
Steve Sellwood – TRC (via email)
Carrie Stoltz – DNR Rhinelander (via email)

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation: 0
 Plot Date: 12/21/2018, 08:59:50 AM by ADAIR -- LAYOUT: ANSI B(11"x17")
 Path: E:\W\DOT\2016_242567\298526-021.mxd



LEGEND

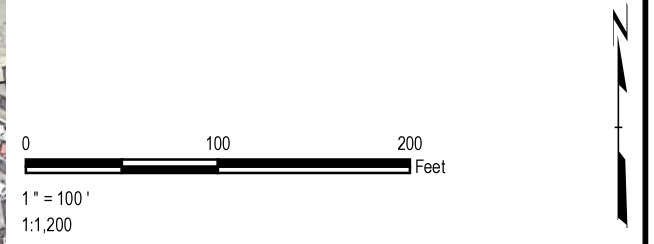
- ✕ TRC TEMPORARY PIEZOMETER
- ⊕ TRC TEMPORARY WATER TABLE WELL
- ~ JULY 2018 TCE ISOCONCENTRATION CONTOUR
- APPROXIMATE PARCEL BOUNDARY
- ➔ GROUNDWATER FLOW DIRECTION

WELL ID

PCE
 TCE
 cis-1,2-DCE
 VC

CONCENTRATIONS OF CVOCs (µg/L)

- NOTES**
1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN- NORTH (US SURVEY FEET).
 3. TRC TEMPORARY WELLS AND PIEZOMETERS INSTALLED MAY 25TH AND 26TH, 2017.
 4. PARCEL DATA ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE. LOCATIONS ARE APPROXIMATE.
 5. SAMPLES COLLECTED DURING JULY 11TH AND JULY 12TH, 2018.
 6. "J" ESTIMATED CONCENTRATION ABOVE THE ADJUSTED METHOD DETECTION LIMIT AND BELOW THE ADJUSTED REPORTING LIMIT.



PROJECT: **WISDOT ID# 0656-50-31, BRRTS #02-44-000517
 FORMER NORTHWOODS LAUNDRY
 MINOCQUA, ONEIDA COUNTY, WISCONSIN**

TITLE: **TCE ISOCONCENTRATION MAP
 JULY 2018**

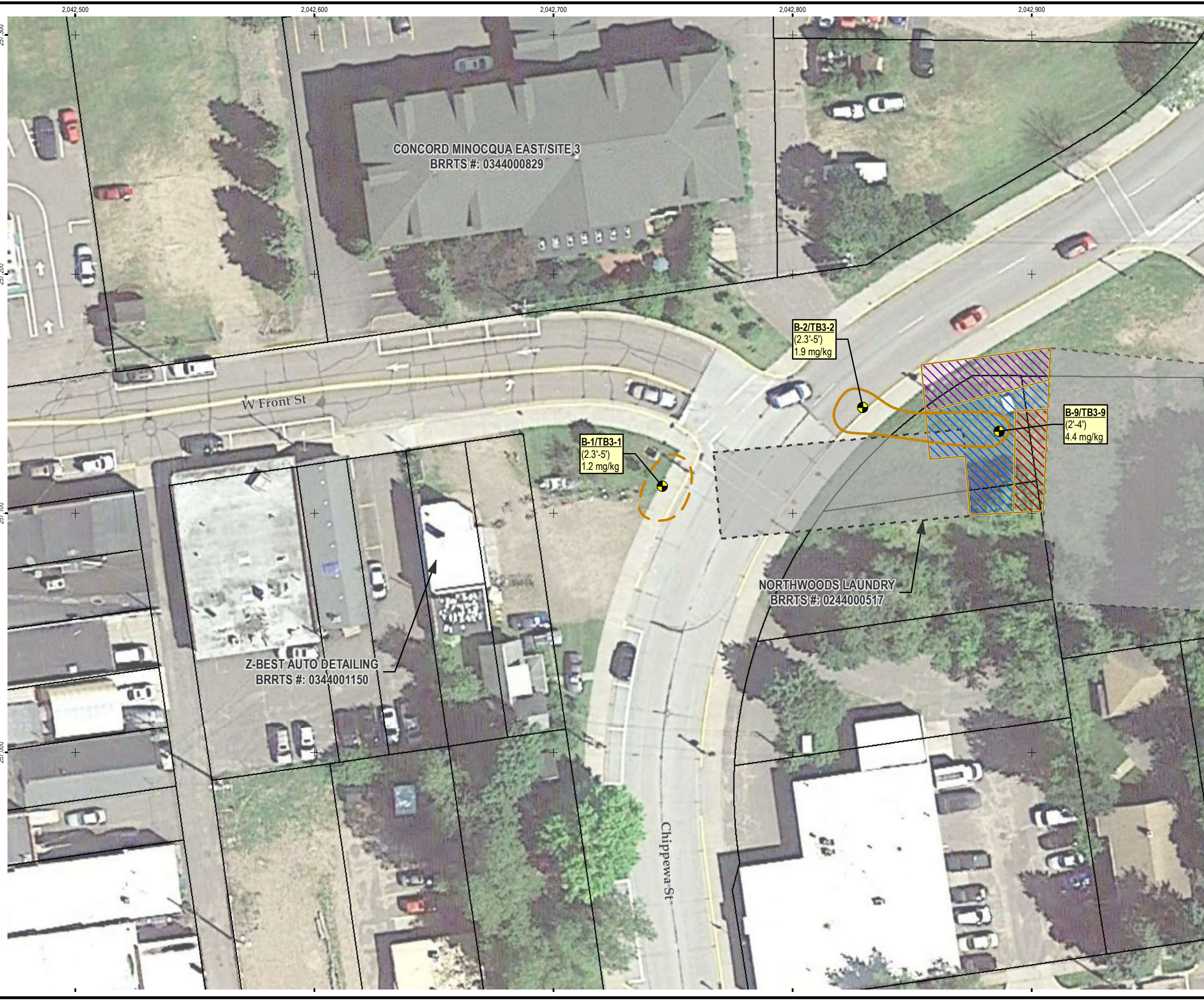
DRAWN BY: A. ADAIR PROJ. NO.: 298526
 CHECKED BY: A. ENRIGHT
 APPROVED BY: T. O'CONNELL
 DATE: DECEMBER 2018

FIGURE B.3.B.II

TRC
 708 Heartland Trail, Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600
 www.trcsolutions.com

FILE NO.: 298526-021.mxd

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
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 Path: E:\WJ_DOT\2016_242567\298526-015.mxd

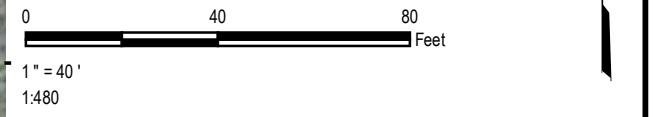


LEGEND

- APPROXIMATE SOIL BORING LOCATION
- NR 720 GROUNDWATER PATHWAY EXCEEDANCE FOR PCE (DASHED WHERE INFERRED)
- 2' DEPTH EXCAVATION
- 4' DEPTH EXCAVATION
- 5' DEPTH EXCAVATION
- APPROXIMATE FORMER BUILDING EXTENT
- TAX PARCEL

| SAMPLE ID (DEPTH IN FEET) PCE CONCENTRATION (mg/kg) |
|---|
|---|

- NOTES**
1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN- NORTH (US SURVEY FEET).
 3. ALL MAP FEATURE LOCATIONS ARE APPROXIMATE.
 4. SOIL DATA SHOWN WAS COLLECTED DURING AN INVESTIGATION COMPLETED IN 1994. ONLY SAMPLE RESULTS OUT OF THE LIMITS OF THE REMEDIAL EXCAVATIONS WITH NR 720 EXCEEDANCES ARE SHOWN. THE NOTED RESULTS ARE ESTIMATED BASED ON HISTORICAL SITE INFORMATION.
 5. ACCORDING TO RMT'S REMEDIAL DOCUMENTATION REPORT (1996), SHALLOW PCE CONTAMINATED SOIL WAS REMEDIATED VIA OVER-EXCAVATION AND ASPHALT INCORPORATION IN CONJUNCTION WITH THE USH 51 RECONSTRUCTION PROJECT. SOIL DATA FROM BORING B-5/TB3-5 AND B-8/TB3-8 WAS NOT USED FOR DELINEATION OF THE NR 720 GROUNDWATER PATHWAY EXCEEDANCE FOR PCE EXTENTS.



| | | | |
|--------------|---------------|--|--------|
| PROJECT: | | WISDOT ID# 0656-50-31, BRRTS# 02-44-000517 FORMER NORTHWOODS LAUNDRY MINOCQUA, ONEIDA COUNTY, WISCONSIN | |
| TITLE: | | RESIDUAL SOIL CONTAMINATION | |
| DRAWN BY: | A. ADAIR | PROJ NO.: | 298526 |
| CHECKED BY: | A. ENRIGHT | FIGURE B.2.B | |
| APPROVED BY: | T. O'CONNELL | | |
| DATE: | DECEMBER 2018 | | |
| | | 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trcsolutions.com | |
| FILE NO.: | | 298526-015.mxd | |

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation: 0
 Plot Date: 12/21/2018, 09:01:17 AM by ADAIR -- LAYOUT: ANSI B(11"x17")
 Path: E:\WI_DOT\2016_242567\298526-022.mxd



LEGEND

- ✕ TRC TEMPORARY PIEZOMETER
- ⊕ TRC TEMPORARY WATER TABLE WELL
- JULY 2018 PCE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE PARCEL BOUNDARY
- ➡ GROUNDWATER FLOW DIRECTION

| WELL ID | CONCENTRATIONS OF CVOCs (µg/L) |
|-------------|--------------------------------|
| PCE | |
| TCE | |
| cis-1,2-DCE | |
| VC | |

- NOTES**
1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN- NORTH (US SURVEY FEET).
 3. TRC TEMPORARY WELLS AND PIEZOMETERS INSTALLED MAY 25TH AND 26TH, 2017.
 4. PARCEL DATA ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE. LOCATIONS ARE APPROXIMATE.
 5. SAMPLES COLLECTED DURING JULY 11TH AND JULY 12TH, 2018.
 6. "J" ESTIMATED CONCENTRATION ABOVE THE ADJUSTED METHOD DETECTION LIMIT AND BELOW THE ADJUSTED REPORTING LIMIT.



| | | | |
|--------------|---------------|--|--------|
| PROJECT: | | WISDOT ID# 0656-50-31, BRRTS# 02-44-000517 FORMER NORTHWOODS LAUNDRY MINOCQUA, ONEIDA COUNTY, WISCONSIN | |
| TITLE: | | PCE ISOCONCENTRATION MAP JULY 2018 | |
| DRAWN BY: | A. ADAIR | PROJ NO.: | 298526 |
| CHECKED BY: | A. ENRIGHT | FIGURE B.3.B.I | |
| APPROVED BY: | T. O'CONNELL | | |
| DATE: | DECEMBER 2018 | | |

TRC

708 Heartland Trail, Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600
 www.trcsolutions.com

FILE NO.: 298526-022.mxd

Table 2
Air/Vapor Sampling Results
Former Northwoods Laundry (BRRS #02-44-000517, WISDOT #0656-50-31)
Minocqua, Oneida County, Wisconsin
TRC Project # 298526.0000.0000

| Map ID | Address | Sample Type | Sample ID | Date | Leak Check | Shut-In Test ⁽⁴⁾ | Helium Shroud Test | | | Vapor Results ⁽⁸⁾⁽⁹⁾ | | | | |
|---------------------------------|---|-------------|--------------|-----------------------|---|-----------------------------|---------------------------|------------------------------|----------------------------|---------------------------------|-------------------|------------------------|--------------------------|-------------------|
| | | | | | Water Dam ⁽³⁾ | | Background ⁽⁵⁾ | Inside Shroud ⁽⁶⁾ | Sample Port ⁽⁷⁾ | Tetrachloroethene | Trichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Vinyl Chlorine |
| | | | | | - | - | % | % | % | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| - | - | Outdoor | Outdoor - 1 | 3/21/18 - 3/22/2018 | - | - | - | - | - | 16.7 | <0.39 | <0.49 | <0.42 | <0.18 |
| - | - | Outdoor | Outdoor - 2 | 3/22/2018 - 3/23/2018 | - | - | - | - | - | <0.43 | <0.40 | <0.51 | <0.44 | <0.19 |
| 3 | 405 Front Street, Minocqua, WI 54548 | Sub-Slab | 405-SS | 3/23/2018 | Pass | Pass | 0 | 45.3 | 0 | 15.5 | <0.42 | <0.54 | <0.47 | <0.20 |
| 4 ⁽⁸⁾ | 515 Chippewa St., Minocqua, WI 54548 | Indoor Air | 515-IA | 3/21/2018 - 3/22/2018 | - | - | - | - | - | <0.40 | <0.38 | <0.48 | <0.42 | <0.18 |
| | | Sub-Slab | 515-SS | 3/22/2018 | Pass | Pass | 0 | 36.9 | 0 | <0.48 | <0.45 | <0.57 | <0.50 | <0.21 |
| 5 | 329 E Front St., Minocqua, WI 54548 | Indoor Air | 329-IA | 3/21/2018 - 3/22/2018 | - | - | - | - | - | 0.47J | <0.37 | <0.47 | <0.41 | <0.18 |
| | | Sub-Slab | 329-SS | 3/22/2018 | Pass | Pass | 0 | 31.8 | 0 | 11.2 | <0.42 | <0.53 | <0.46 | <0.20 |
| 7 | 321 E Front St., Minocqua, WI 54548 | Indoor Air | 321-IA | 3/21/2018 - 3/22/2018 | - | Pass | - | - | - | <0.43 | <0.40 | <0.51 | <0.44 | <0.19 |
| | | Sub-Slab | 321-SS | 3/22/2018 | Pass | - | 0 | 43.2 | 0 | 8.5 | <0.43 | <0.55 | <0.47 | <0.20 |
| 8 | 317 E Front St., Minocqua, WI 54548 | Indoor Air | 317-IA | 3/21/2018 - 3/22/2018 | - | Pass | - | - | - | 0.48J | <0.39 | <0.49 | <0.42 | <0.18 |
| | | Sub-Slab | 317-SS | 3/22/2018 | Pass | - | 0 | 54 | 0 | 41.9 | <0.49 | <0.62 | <0.54 | <0.23 |
| | 315 E Front St., Minocqua, WI 54548 | Indoor Air | 315-IA | 3/21/2018 - 3/22/2018 | - | Pass | - | - | - | <0.43 | <0.40 | <0.51 | <0.44 | <0.19 |
| | | Sub-Slab | 315-SS | 3/22/2018 | Pass | - | 0 | 23.1 | 0 | 2.7 | <0.42 | <0.54 | <0.47 | <0.20 |
| | 313 E Front St., Minocqua, WI 54548 | Indoor Air | 313-IA | 3/21/2018 - 3/22/2018 | - | Pass | - | - | - | 0.93J | <0.42 | <0.53 | <0.46 | <0.20 |
| | | Sub-Slab | 313-SS | 3/22/2018 | Pass | - | 0 | 46.4 | 0 | 2.4 | <0.43 | <0.55 | <0.47 | <0.20 |
| 9 & 10 | 301 -307 E Front St., Minocqua, WI 54548 & 524 Oneida St., Minocqua, WI 54548 | Indoor Air | 301-307-IA-C | 3/21/2018 - 3/22/2018 | - | - | - | - | - | 1.9 | <0.40 | <0.51 | <0.44 | <0.19 |
| | | Indoor Air | 301-307-IA-S | 3/21/2018 - 3/22/2018 | - | - | - | - | - | 1.4 | <0.53 | <0.67 | <0.58 | <0.25 |
| | | Sub-Slab | 301-307-SS-1 | 3/22/2018 | Pass | Pass | 0 | 46.1 | 0.12 | 4.2 | <0.43 | <0.55 | <0.47 | <0.20 |
| | | Sub-Slab | 301-307-SS-2 | 3/22/2018 | Pass | Pass | 0 | 46.2 | 0 | 10.9 | 3.4 | 2.1 | 1.8 | 1.8 |
| | | Sub-Slab | 301-307-SS-3 | 3/22/2018 | Pass | Pass | 0 | 42.4 | 0 | 308 | <0.60 | <0.77 | <0.66 | <0.28 |
| 11 | 527 Oneida St., Minocqua, WI 54548 | Indoor Air | 527-IA | 3/22/2018 - 3/23/2018 | - | - | - | - | - | 0.55J | <0.42 | <0.53 | <0.46 | <0.20 |
| | | Sub-Slab | 527-SS | 3/23/2018 | Pass | Pass | 0 | 37 | 0 | 9.6 | <0.43 | <0.55 | <0.47 | <0.20 |
| 13 | 300 E Front St., Minocqua, WI 54548 | Indoor Air | 300-IA | 3/22/2018 - 3/23/2018 | - | - | - | - | - | <0.42 | <0.39 | <0.50 | <0.43 | <0.18 |
| | | Sub-Slab | 300-SS | 3/23/2018 | Pass | Pass | 0 | 21.1 | 0 | <0.44 | <0.42 | <0.53 | <0.46 | <0.20 |
| | | Duplicate | DUP-01 | 3/23/2018 | | | | | | <0.44 | <0.42 | <0.53 | <0.46 | <0.20 |
| Residential ⁽⁸⁾ | | | | | Indoor Vapor Action Level ⁽¹⁾ | | | | | 42 | 2.1 | -- | -- | 1.7 |
| | | | | | Sub-Slab Vapor Screening Level ⁽²⁾ | | | | | 1,400 | 70 | -- | -- | 57 |
| Small Commercial ⁽⁹⁾ | | | | | Indoor Vapor Action Level ⁽¹⁾ | | | | | 180 | 8.8 | -- | -- | 28 |
| | | | | | Sub-Slab Vapor Screening Level ⁽²⁾ | | | | | 6,000 | 290 | -- | -- | 930 |

Notes:

VAL = Vapor Action Level
VSL = Vapor Screening Level
- = not applicable
-- = no standard developed for this parameter
J = Estimated concentration at or above the laboratory limit of detection and below the laboratory limit of quantitation.
µg/m³ = micrograms per cubic meter
Bold text indicates an exceedance of an Indoor Vapor Action Level or Sub-Slab Vapor Screening Level

Updated by: A. Stehn 4/26/2018
Checked by: A. Schroeder 4/30/2018

Footnotes:

- (1) VALs for Indoor Air from Regional Screening Tables: <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-november-2017>. Uses a 1-in-100,000 excess lifetime cancer risk and HI=1 for screening indoor air.
- (2) An attenuation factor of 0.03 (dilution factor of 33) is applied to the Indoor VALs to determine the VSLs for Sub-Slab Vapor for residential/small commercial buildings.
- (3) Water dam was created by pouring water around the Cox-Colvin Vapor PinTM sample port following installation. If water maintained constant head, then tight seal was verified at the port.
- (4) A vacuum was applied to the sample train and allowed to sit for 6 minutes based on the use of 6-L Summa canisters. If there was no noticeable change in the vacuum, the shut-in test passed.
- (5) A helium meter was connected to the vapor probe and the sub-slab vapors were tested to obtain a background concentration prior to the helium test being completed.
- (6) A shroud was installed around the vapor pin and filled with helium at a concentration between 20% and 50% by volume.
- (7) While helium at a concentration between 20% and 50% by volume was maintained in the shroud, sub-slab vapors were retested using the helium meter. If the concentration was less than 5% by volume, the helium test passed and a sample was collected.
- (8) 515 Chippewa Street is a residential home currently used for storage for the adjacent business located at 329 E Front Street. This property was evaluated using the Residential VAL and VSL.
- (9) Results were compared to the Small Commercial VAL and VSL, with the exception of the property at 515 Chippewa Street.

Figures



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.



708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

TRC - GIS

PROJECT:

**WISDOT ID# 0656-50-31
FORMER NORTHWOODS LAUNDRY
MINOCQUA, ONEIDA COUNTY, WISCONSIN**

TITLE:

SITE LOCATION MAP

DRAWN BY:

R. SUEMNIGHT

CHECKED BY:

T. O'CONNELL

APPROVED BY:

D. HAAK

DATE:

MAY 2018

PROJ. NO.:

298526

FILE:

298526-019slm.mxd

FIGURE 1

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation: 0
 Plot Date: 5/8/2018 10:42:49 AM by RSUEMNICT -- LAYOUT: ANSI B(11"x17")
 Path: E:\WI_DOT\2016_242567298526-018.mxd

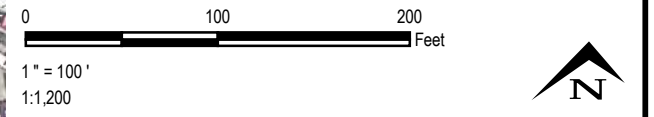


LEGEND

- TRC SMALL DIAMETER PIEZOMETER
- TRC SMALL DIAMETER WATER TABLE WELL
- NOVEMBER 2017 PCE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- VAPOR SAMPLING NOT COMPLETED AS NO BUILDINGS ARE PRESENT
- PARCEL WAS INVESTIGATED AND VAPOR SAMPLING COMPLETED
- VAPOR SAMPLING NOT COMPLETED BASED ON EXTENTS OF CONTAMINATION
- APPROXIMATE FORMER NORTHWOODS LAUNDRY BUILDING EXTENT

| WELL ID | NOVEMBER 2017 GROUNDWATER SAMPLING RESULTS (µg/L) |
|---------|---|
| PCE | |
| TCE | |
| 1 | TRC PROPERTY ID |

- ### NOTES
1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN- NORTH (US SURVEY FEET).
 3. ALL MAP FEATURE LOCATIONS ARE APPROXIMATE.
 4. TRC SMALL DIAMETER WELLS AND PIEZOMETERS WERE SAMPLED NOVEMBER 30TH AND DECEMBER 1ST, 2017.



| | | | |
|-----------------------------------|----------------|---|--------|
| PROJECT: | | WISDOT ID# 0656-50-31 | |
| | | FORMER NORTHWOODS LAUNDRY | |
| | | MINOCQUA, ONEIDA COUNTY, WISCONSIN | |
| TITLE: | | | |
| SITE OVERVIEW MAP - | | | |
| VAPOR INTRUSION EVALUATION | | | |
| DRAWN BY: | R. SUEMNICT | PROJ NO.: | 298526 |
| CHECKED BY: | T. O'CONNELL | | |
| APPROVED BY: | D. HAAK | FIGURE 2 | |
| DATE: | MAY 2018 | | |
| | | 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trcsolutions.com | |
| FILE NO.: | 298526-018.mxd | | |

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation:
 Plot Date: 5/8/2018 10:41:36 AM by RSUEMNICHT -- LAYOUT: ANSIB(11"x17")
 Path: E:\WI_DOT\2018_242567\298526-016mb.mxd



LEGEND

- 1 TRC PROPERTY ID
- X SUB-SLAB SAMPLE
- APPROXIMATE BUILDING EXTENT
- APPROXIMATE FORMER NORTHWOODS LAUNDRY BUILDING EXTENT
- APPROXIMATE PARCEL BOUNDARY

| WELL ID | MARCH 2018 INDOOR AIR SAMPLING RESULTS (µg/L) |
|---------|---|
| PCE | |
| TCE | |

- NOTES**
1. BASEMAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP ROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN-NORTH (US SURVEY FEET).
 3. ALL MAP FEATURE LOCATIONS AND SIZES ARE APPROXIMATE.
 4. AIR/VAPOR SAMPLING WAS COMPLETED BY TRC BETWEEN MARCH 21 & 23, 2018.
 5. BUILDING CONTAINS A SLAB CONSTRUCTED ON GRADE, NO LOWER LEVEL PRESENT.
 6. NO INDOOR AIR SAMPLE WAS INSTALLED BASED ON THE BUILDING CONDITION.



| | |
|---|---|
| PROJECT: WISDOT ID# 0656-50-31 FORMER NORTHWOODS LAUNDRY MINOCQUA, ONEIDA COUNTY, WISCONSIN | |
| TITLE: PROPERTY LAYOUT/RESULTS - PROPERTY IDs 1 THROUGH 3 | |
| DRAWN BY: R. SUEMNICHT CHECKED BY: T. O'CONNELL APPROVED BY: D. HAAK DATE: MAY 2018 | PROJ NO.: 298526 FIGURE 3 |
| <div style="display: inline-block; vertical-align: middle; font-size: small;"> 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trcsolutions.com </div> | |
| FILE NO.: 298526-016mb.mxd | |

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation: 0
 Plot Date: 5/8/2018 10:41:36 AM by RSUEMNICHT -- LAYOUT: ANSIB(11"x17")
 Path: E:\WI_DOT\2018_242567\298526-016mb.mxd



LEGEND

- 1 TRC PROPERTY ID
- ▲ INDOOR AIR SAMPLE
- SUB-SLAB SAMPLE
- OUTDOOR SAMPLE
- ⊕ APPROXIMATE LOCATION OF SUMP CROCK
- APPROXIMATE LOCATION OF STAIRS
- APPROXIMATE BUILDING EXTENT
- APPROXIMATE BUILDING EXTENT WITH NO ACCESS
- APPROXIMATE LOWER LEVEL CONCRETE FLOOR
- APPROXIMATE PARCEL BOUNDARY

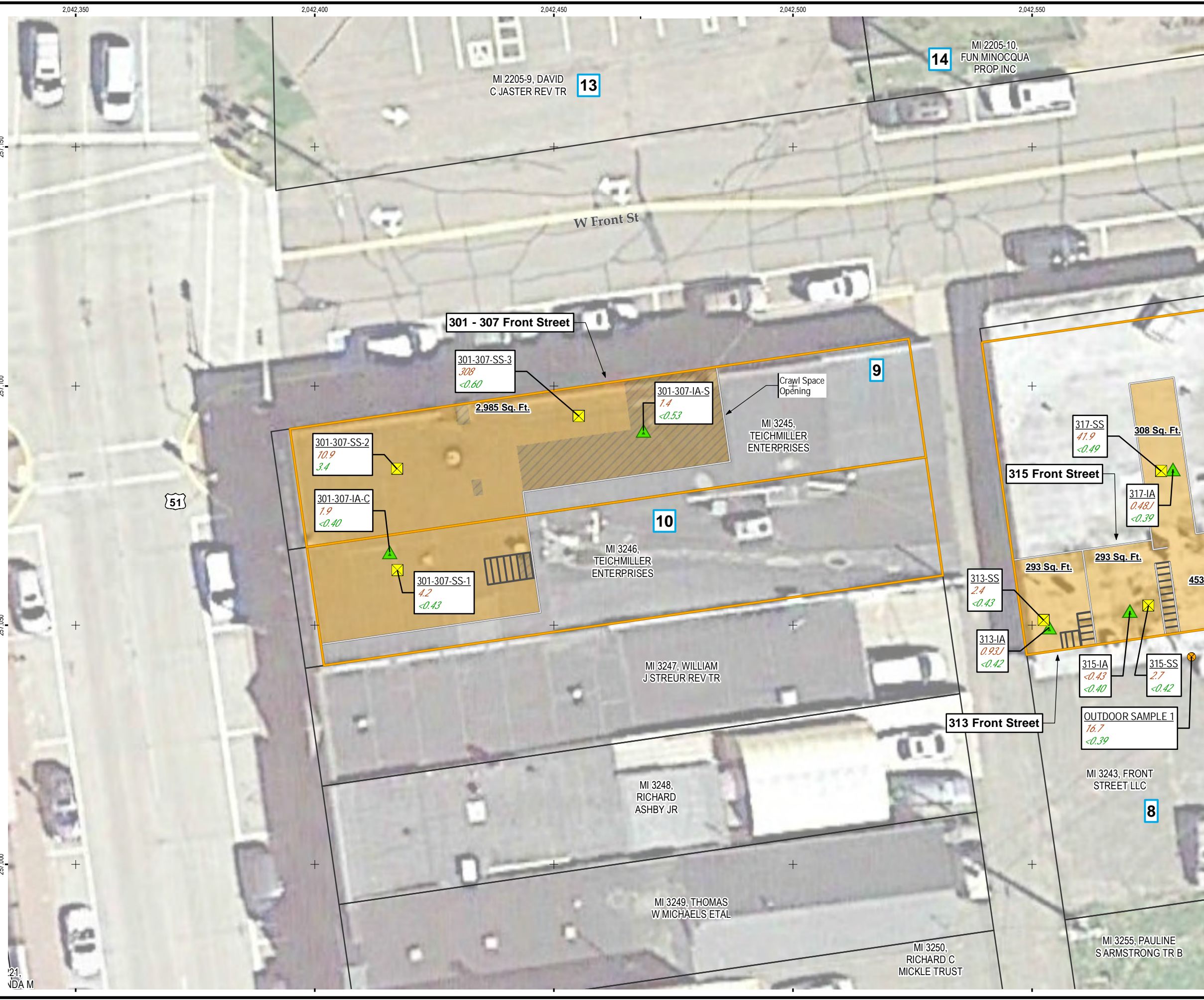
| WELL ID | MARCH 2018 INDOOR AIR SAMPLING RESULTS (µg/L) |
|---------|---|
| PCE | |
| TCE | |

- ### NOTES
1. BASEMAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN-NORTH (US SURVEY FEET).
 3. ALL MAP FEATURE LOCATIONS AND SIZES ARE APPROXIMATE.
 4. AIR/VAPOR SAMPLING WAS COMPLETED BY TRC BETWEEN MARCH 21 & 23, 2018.
 5. BUILDING CONTAINS A SLAB CONSTRUCTED ON GRADE, NO LOWER LEVEL PRESENT.



| | |
|---|------------------|
| PROJECT: WISDOT ID# 0656-50-31 | |
| FORMER NORTHWOODS LAUNDRY | |
| MINOCQUA, ONEIDA COUNTY, WISCONSIN | |
| TITLE: PROPERTY LAYOUT/RESULTS - PROPERTY IDs 4 THROUGH 8 | |
| DRAWN BY: R. SUEMNICHT | PROJ NO.: 298526 |
| CHECKED BY: T. O'CONNELL | FIGURE 4 |
| APPROVED BY: D. HAAK | |
| DATE: MAY 2018 | |
| 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trcsolutions.com | |
| FILE NO.: 298526-016mb.mxd | |

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation: 0
 Plot Date: 5/8/2018 10:41:36 AM by RSUEMNICHT -- LAYOUT: ANSIB(11x17)
 Path: E:\WI_DOT\2018_242567298526-016mb.mxd



LEGEND

- 1 TRC PROPERTY ID
- ▲ INDOOR AIR SAMPLE
- SUB-SLAB SAMPLE
- OUTDOOR SAMPLE
- APPROXIMATE LOCATION OF STAIRS
- APPROXIMATE BUILDING EXTENT
- APPROXIMATE LOWER LEVEL DIRT FLOOR
- APPROXIMATE LOWER LEVEL CONCRETE FLOOR
- APPROXIMATE PARCEL BOUNDARY

WELL ID

PCE MARCH 2018 INDOOR AIR SAMPLING RESULTS (µg/L)

TCE

- NOTES**
1. BASEMAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN-NORTH (US SURVEY FEET).
 3. ALL MAP FEATURE LOCATIONS AND SIZES ARE APPROXIMATE.
 4. AIR/VAPOR SAMPLING WAS COMPLETED BY TRC BETWEEN MARCH 21 & 23, 2018.



PROJECT: **WISDOT ID# 0656-50-31
 FORMER NORTHWOODS LAUNDRY
 MINOCQUA, ONEIDA COUNTY, WISCONSIN**

TITLE: **PROPERTY LAYOUT/RESULTS -
 PROPERTY IDs 9 AND 10**

| | |
|--------------------------|------------------|
| DRAWN BY: R. SUEMNICHT | PROJ NO.: 298526 |
| CHECKED BY: T. O'CONNELL | FIGURE 5 |
| APPROVED BY: D. HAAK | |
| DATE: MAY 2018 | |

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 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation: 0
 Plot Date: 5/8/2018 10:41:36 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
 Path: E:\WI_DOT\2018_242567\298526-016mb.mxd



LEGEND

- 11 TRC PROPERTY ID
- ▲ INDOOR AIR SAMPLE
- SUB-SLAB SAMPLE
- APPROXIMATE LOCATION OF SUMP CROCK
- ▨ APPROXIMATE LOCATION OF STAIRS
- APPROXIMATE BUILDING EXTENT
- APPROXIMATE LOWER LEVEL CONCRETE FLOOR
- APPROXIMATE PARCEL BOUNDARY

| WELL ID | MARCH 2018 INDOOR AIR SAMPLING RESULTS (µg/L) |
|---------|---|
| PCE | |
| TCE | |

- NOTES**
1. BASEMAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP ROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN-NORTH (US SURVEY FEET).
 3. ALL MAP FEATURE LOCATIONS AND SIZES ARE APPROXIMATE.
 4. AIR/VAPOR SAMPLING WAS COMPLETED BY TRC BETWEEN MARCH 21 & 23, 2018.

0 20 40
 Feet

1" = 20'
 1:240

PROJECT: **WISDOT ID# 0656-50-31
 FORMER NORTHWOODS LAUNDRY
 MINOCQUA, ONEIDA COUNTY, WISCONSIN**

TITLE: **PROPERTY LAYOUT/RESULTS -
 PROPERTY ID 11**

| | |
|--------------------------|------------------|
| DRAWN BY: R. SUEMNICHT | PROJ NO.: 298526 |
| CHECKED BY: T. O'CONNELL | FIGURE 6 |
| APPROVED BY: D. HAAK | |
| DATE: MAY 2018 | |

TRC

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 Madison, WI 53717
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FILE NO.: 298526-016mb.mxd

TRC - GIS
 Coordinate System: NAD 1983 StatePlane Wisconsin North FIPS 4801 Feet (Foot US)
 Map Rotation: 0
 Plot Date: 5/8/2018 10:41:36 AM by RSUEMNICHT -- LAYOUT: ANSIB(11"x17")
 Path: E:\WI_DOT\2018_242567\298526-016mb.mxd



LEGEND

- 1 TRC PROPERTY ID
- ▲ INDOOR AIR SAMPLE
- SUB-SLAB SAMPLE
- OUTDOOR SAMPLE
- APPROXIMATE BUILDING EXTENT
- APPROXIMATE PARCEL BOUNDARY

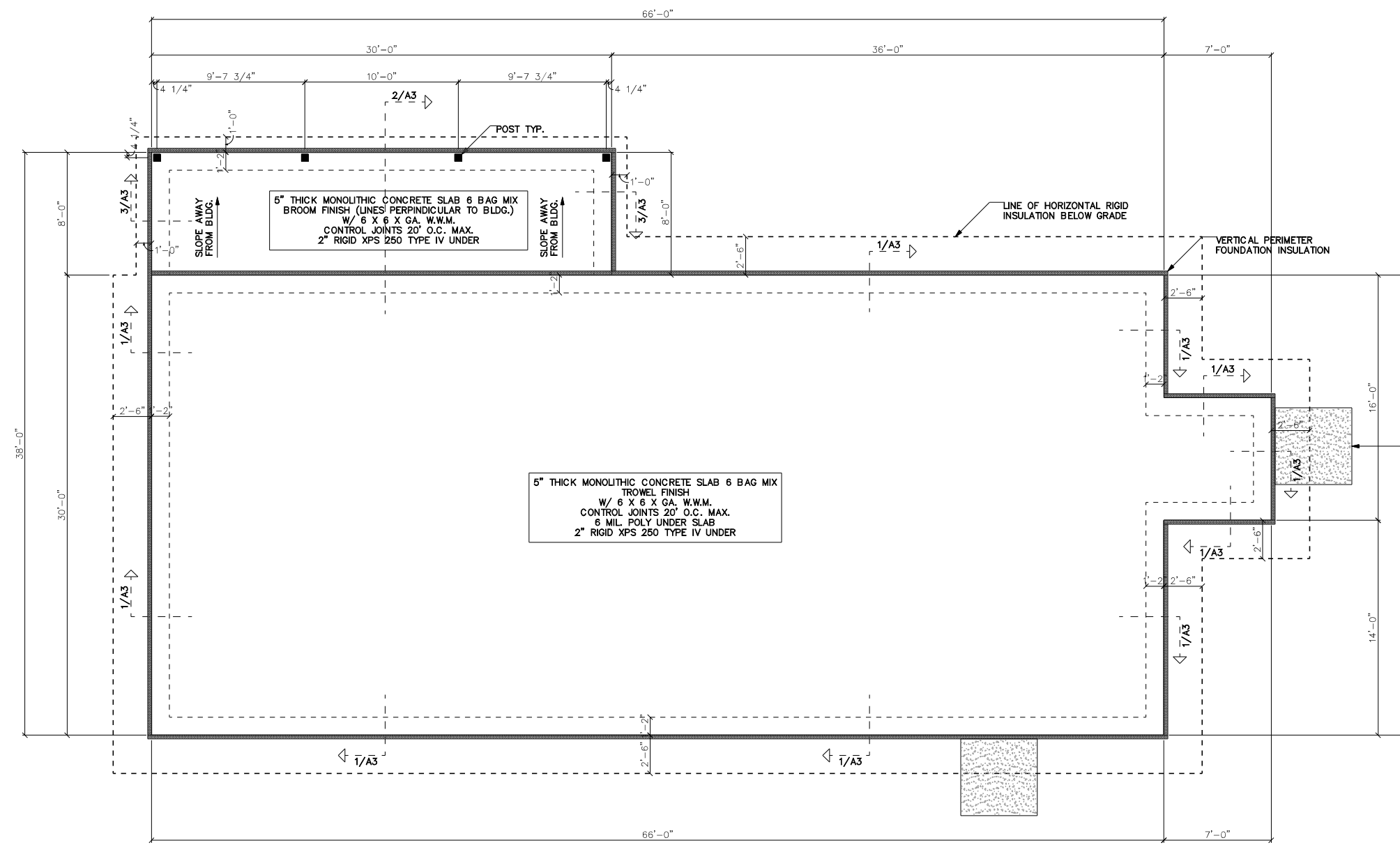
WELL ID

| | |
|-----|---|
| PCE | MARCH 2018 INDOOR AIR SAMPLING RESULTS (µg/L) |
| TCE | |

- NOTES**
1. BASEMAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JULY 2015.
 2. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN-NORTH (US SURVEY FEET).
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 4. AIR/VAPOR SAMPLING WAS COMPLETED BY TRC BETWEEN MARCH 21 & 23, 2018.
 5. BUILDING CONTAINS A SLAB CONSTRUCTED ON GRADE, NO LOWER LEVEL PRESENT.

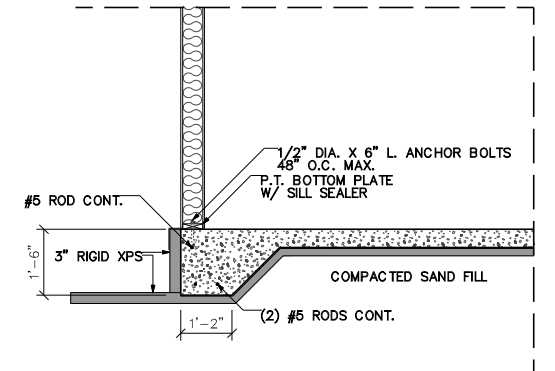


| | |
|---|---|
| PROJECT: WISDOT ID# 0656-50-31 FORMER NORTHWOODS LAUNDRY MINOCQUA, ONEIDA COUNTY, WISCONSIN | |
| TITLE: PROPERTY LAYOUT/RESULTS - PROPERTY ID 13 | |
| DRAWN BY: R. SUEMNICHT CHECKED BY: T. O'CONNELL APPROVED BY: D. HAAK DATE: MAY 2018 | PROJ NO.: 298526 FIGURE 7 |
| | |
| 708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trcsolutions.com | |
| FILE NO.: 298526-016mb.mxd | |



PROPOSED FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

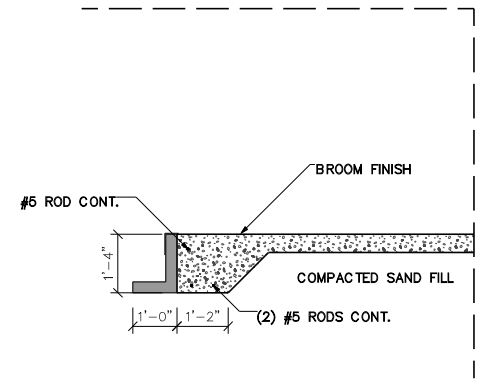
- GENERAL NOTES**
- SEE FLOOR PLANS FOR EXACT FLOOR DRAIN LOCATIONS
 - INSTALL ANY NECESSARY MECHANICALS PRIOR TO POURING OF CONCRETE
 - ALL ANGLES ARE 90.0 DEG. (U.N.O)
 - PROVIDE VERT. & HORIZ. 1 1/2" RIGID XPS (R10) AROUND EXTERIOR GRADE BEAM PERIMETER
 - PROVIDE 1/2" FIBROUS EXPANSION JOINT MATL BETWEEN CONC. SLABS, SIDEWALKS & FOUNDATION WALLS
 - SEE SITE PLAN FOR LOCATION OF SIDEWALKS IF ANY
 - SLAB TO BE SMOOTH TROWELED & LEVEL TO WITHIN 1/8" IN ANY 10'-0" RADIUS
 - SLOPE CONC. FLOOR 3/8" OVERALL WITHIN 6'-0" RADIUS OF FLOOR DRAINS
 - SLOPE CONC. FLOOR 5/8" OVERALL WITHIN 10'-0" RADIUS OF INT. CATCH BASINS
 - PROVIDE A CONC. MIX OF 3,500 PSI AT 28 DAYS (5 1/2 BAG MIX) W/ 4" MAX SLUMP FACTOR
 - FOOTINGS TO BE CONSTRUCTED ON UNDISTURBED SOIL (2,000 P.S.F. ASSUMED)
 - PROVIDE TYPE 60 GRADE REINFORCING
 - PROVIDE CONTROL/CONST. JOINTS IN CONC. FLOOR ON MAX 25'-0" X 25'-0" GRID
 - ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE
 - ALL FILL MATERIAL TO BE SAND 100% PASSING 1-1/2" SIEVE, 40% - 75% PASSING 3/8" SIEVE, 25% - 60% PASSING NO. 4 SIEVE, 15% - 40% PASSING NO. 16 SIEVE, AND 0% - 5% PASSING NO. 200 SIEVE. MECHANICALLY COMPACT IN 6" LIFTS TO AT LEAST 95% MODIFIED PROCTOR DRY DENSITY. I.A.W. ASC E 32



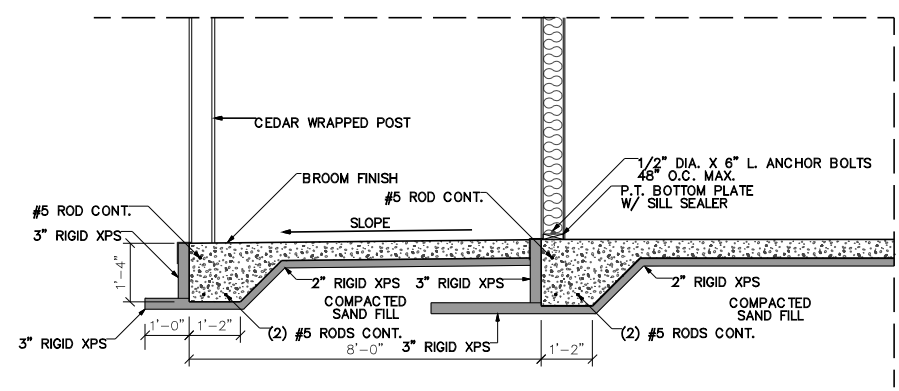
1 TYPICAL SECTION
A3 SCALE: 3/8" = 1'-0"

PROVIDE A RIGID, OPAQUE & WEATHER RESISTANT, INSULATION COVER SUCH AS DURA FLASH THAT EXTENDS BELOW GRADE TO PREVENT DEGRADATION OF THE INSULATION'S THERMAL PERFORMANCE. TYP.

5'-0" X 5'-0" X 4" CONC. STOOP
W/ BROOM FINISH
2" RIGID XPS UNDER TYP. WHERE SHOWN
2% MAX SLOPE



3 TYPICAL SECTION
A3 SCALE: 3/8" = 1'-0"



2 TYPICAL SECTION
A3 SCALE: 3/8" = 1'-0"

Marathon Technical Services LLC
1699 Schofield Ave, Suite 115
Schofield, WI 54476
Phone & Fax (715) 843-7292
www.mtsllc.net

FOUNDATION PLAN & DETAILS

POTLE/BRALLIC
910 CARRIWAY ST.
TOWN OF WINNECONNE, WI 54986

MTS
Consulting Engineers

Marathon Technical Services LLC
1699 Schofield Ave, Suite 115
Schofield, WI 54476
Phone & Fax (715) 843-7292
www.mtsllc.net

1/4" = 1'-0"
(24 X 36)

SHEET NO.
A3