



September 4, 2020

MR RAY SANDSTROM  
31125 GABLE AVE  
STACY MN 55079

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

SUBJECT: Final Case Closure with Continuing Obligations  
Sandy's Service (Former), 16571 South State Highway 35, Dairyland, Wisconsin  
DNR BRRTS Activity #03-16-286908  
FID #816126740

Dear Mr. Sandstrom:

The Department of Natural Resources (DNR) considers the former Sandy's Service site (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. For residential property transactions, you may be required to make disclosures under Wisconsin Statutes section 709.02. Certain continuing obligations also apply to affected rights-of-way (ROW) holders. These are identified within each continuing obligation.

This final closure decision is based on the correspondence and data provided, and is issued under Wisconsin Administrative Code chapters NR 726 and 727. The DNR's Northern Region Closure Committee reviewed the request for closure on March 5, 2020. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain case closure consistency. A request for remaining actions needed was issued by the DNR via email on May 20, 2020, and documentation that the conditions in that email correspondence were met was received on May 27, 2020.

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) from the underground storage tanks (USTs) removed from the Site property, which was operated as a service station from approximately 1974 till 1991. 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 site investigation and remedial actions completed at the former Sandy's Service property addressed soil and groundwater contamination. Remaining soil and groundwater contamination will be addressed through natural attenuation. The conditions of closure and continuing obligations required were based on the Site, as defined in Wis. Admin. Code § NR 700.03 (56), and the former service station building (currently used as a garage) being used for commercial purposes; the property itself is zoned residential.

### Continuing Obligations

The continuing obligations for the 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.
- Pavement must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.
- If a structural impediment that obstructed a complete site investigation and/or cleanup is removed or modified, additional environmental work must be completed.
- Site-specific vapor exposure assumptions were used based on commercial or industrial use of the former service station building. Current use of the former service station building must be maintained to be protective. If changes to the current use of the former service station building are planned, an assessment must be made of whether closure of this Site will be protective of the proposed use.

The DNR fact sheet “Continuing Obligations for Environmental Protection,” RR-819, helps to explain a property owner’s responsibility for continuing obligations on their property. The fact sheet is enclosed for your reference, and may also be obtained online at [dnr.wi.gov](http://dnr.wi.gov) by searching “RR-819”.

### DNR Database

This Site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) to provide public notice of residual contamination and of any continuing obligations. BOTW can be accessed online at [dnr.wi.gov](http://dnr.wi.gov) by searching “BOTW”. The Site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map viewer, at [dnr.wi.gov](http://dnr.wi.gov), by searching “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) by searching “3300-254”.

All of the Site information is also on file at the DNR’s Northern Region office, located at 107 Sutliff Avenue, 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 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 the portion of the property where concrete slab is located, as shown on the attached Figure D.2, Location Map, part of the Cover or Barrier Maintenance Plan prepared by METCO and dated March 2, 2020, 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; or
- changing the use or occupancy of the former service station building 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 the current property owner and any subsequent property owners must adhere to. 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 and inspection reports in accordance with the following requirements to:

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

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

Groundwater contamination greater than enforcement standards is present on this contaminated property and off this contaminated property, as shown on the Figure B.3.b Groundwater Isoconcentration (12/30/2019), prepared by METCO and dated January 28, 2020. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected ROW holders were notified of the presence of groundwater contamination. This continuing obligation also applies to the Department of Transportation as ROW holder for State Highway 35 (Parcel ID # DA0100085100), located west of the source property.

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

Soil contamination remains under the concrete pad (structural impediment) in the vicinity of the former UST piping and dispenser island, as indicated on the attached Figure B.2.b Residual Soil Contamination Map, prepared by METCO and dated July 6, 2017. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal complies with applicable standards and rules. Contaminated soil may be managed in accordance with Wis. Admin. Code ch. NR 718, with prior DNR approval.

In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard. 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.

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

The concrete pad that exists in the location shown on the attached Figure D.2, Location Map, prepared by METCO and dated January 28, 2020, shall be maintained in compliance with the activities contained in the Attachment D.1 Cover or Barrier Maintenance Plan, in order to minimize the infiltration of water and prevent additional groundwater contamination that would 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.

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

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.

Attachment D.4 Continuing Obligations Inspection and Maintenance Log (DNR Form 4400-305), included as part of Attachment D.1 Cover or Barrier Maintenance Plan, are to be kept up-to-date and on-site. Inspections shall be conducted annually, in accordance with the attached maintenance plan, and submitted to the DNR only upon request.

Structural Impediments (Wis. Stat. § 292.12 (2)(b), Wis. Admin. Code § NR 726.15, § NR 727.07)

The concrete pad on the south side of the former service station building, as shown on the attached Figure B.2.b and Figure B.5, Structural Impediment Photos, prepared by METCO, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR at least 45 days before removal and conduct an investigation of the degree and extent of petroleum contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

Vapor Mitigation or Evaluation (Wis. Stat. § 292.12 (2), Wis. Admin. Code § NR 726.15, § NR 727.07)

Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater into buildings where people may breathe air contaminated by the vapors.

Commercial/Industrial Use: Soil vapor beneath the former service station building contains petroleum vapors at levels that would pose a long-term risk to human health if allowed to migrate into an occupied building. Case closure is based on the following site-specific exposure assumptions: Vapor Risk Screening Levels were determined by the small commercial building land use. Therefore, use of this Site and former service station building is restricted to small commercial building land use. If changes in the Site, former service station building, or land use are planned, the property owner must notify the DNR at least 45 days before changing the use, and evaluate whether the closure is protective for the proposed use. Additional response actions may be necessary.

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.

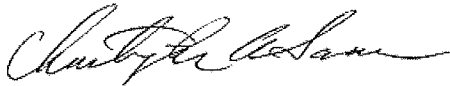
In Closing

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, deed restrictions applied to the property, or 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 DNR Project Manager Grant Neitzel by phone at (715) 392-3126 or email at [Grant.Neitzel@Wisconsin.gov](mailto:Grant.Neitzel@Wisconsin.gov). You can also contact me by phone at (715) 685-2920 or 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:

- Figure B.2.b Residual Soil Contamination Map, METCO, July 6, 2017
- Figure B.3.b Groundwater Isoconcentration (12/30/2019), METCO, January 28, 2020
- Figure B.5 Structural Impediment Photos, METCO
- Attachment D.1 Cover or Barrier Maintenance Plan, METCO, March 2, 2020
- Figure D.2 Location Map, METCO, January 21, 2020
- Attachment D.4 Continuing Obligations Inspection and Maintenance Log, DNR Form 4400-305

cc: DOT HazMat Unit (via email)  
Jason Powell and Ron Anderson – METCO (via email)  
Grant Neitzel – DNR Superior (via email)





**B.5. Structural Impediment Photos**



**Photo #1: Concrete slab looking west.**



**B.5. Structural Impediment Photos**



**Photo #2: Concrete slab looking northeast.**

D.1

## COVER or BARRIER MAINTENANCE PLAN

3/2/2020

Property Located at:

16569 S State Highway 35  
Dairyland, WI 54830

WDNR BRRTS#: 03-16-286908

PECFA #: 54830-9999-71

### Introduction

This document is the Maintenance Plan for a concrete cap at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing cap which addresses or occupies the area over the contaminated groundwater plume or soil.

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

- The case file in the DNR northern office  
BRRTS on the Web (DNR's internet based data base of contaminated sites):  
<https://dnr.wi.gov/botw/SetUpBasicSearchForm.do?rtn=rb>
- RR Sites Map/GIS Registry layer for a map view of the site, and
- The DNR project manager for Barron County.

### D.1. Descriptions:

#### Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) and Naphthalene is located at a depth of 2 to 5.5 feet in the area of the removed USTs and dispenser island. Groundwater contaminated by PVOCs and Naphthalene is located at a depth of approximately 3.53-5.55 feet bgs in the area of the former UST system. The extent of the soil and groundwater contamination is shown on the attached maps in attachment D.2.

#### Description of the Cover to be Maintained

The cap consists of the concrete slab (approximately 4-6 inches thick), located in the area of the former dispenser island. The Cap area is shown on Attachment D.2.

#### Cover/Building/Slab/Barrier Purpose

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

### Annual Inspection

The concrete cap overlying the contaminated soil and as depicted in Attachment D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection 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 maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

### Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling 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 cap overlying the contaminated soil and groundwater plume are 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 DNR or its successor.

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

### Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover/Barrier

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

If removal, replacement or other changes to a cover, or a building which is acting as a cover, are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

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 DNR.

Contact Information:

March 2020

**Current Property Owner:**

Ray Sandstrom  
31125 Gable Ave.  
Stacy MN, 55079

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

3/17/20

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

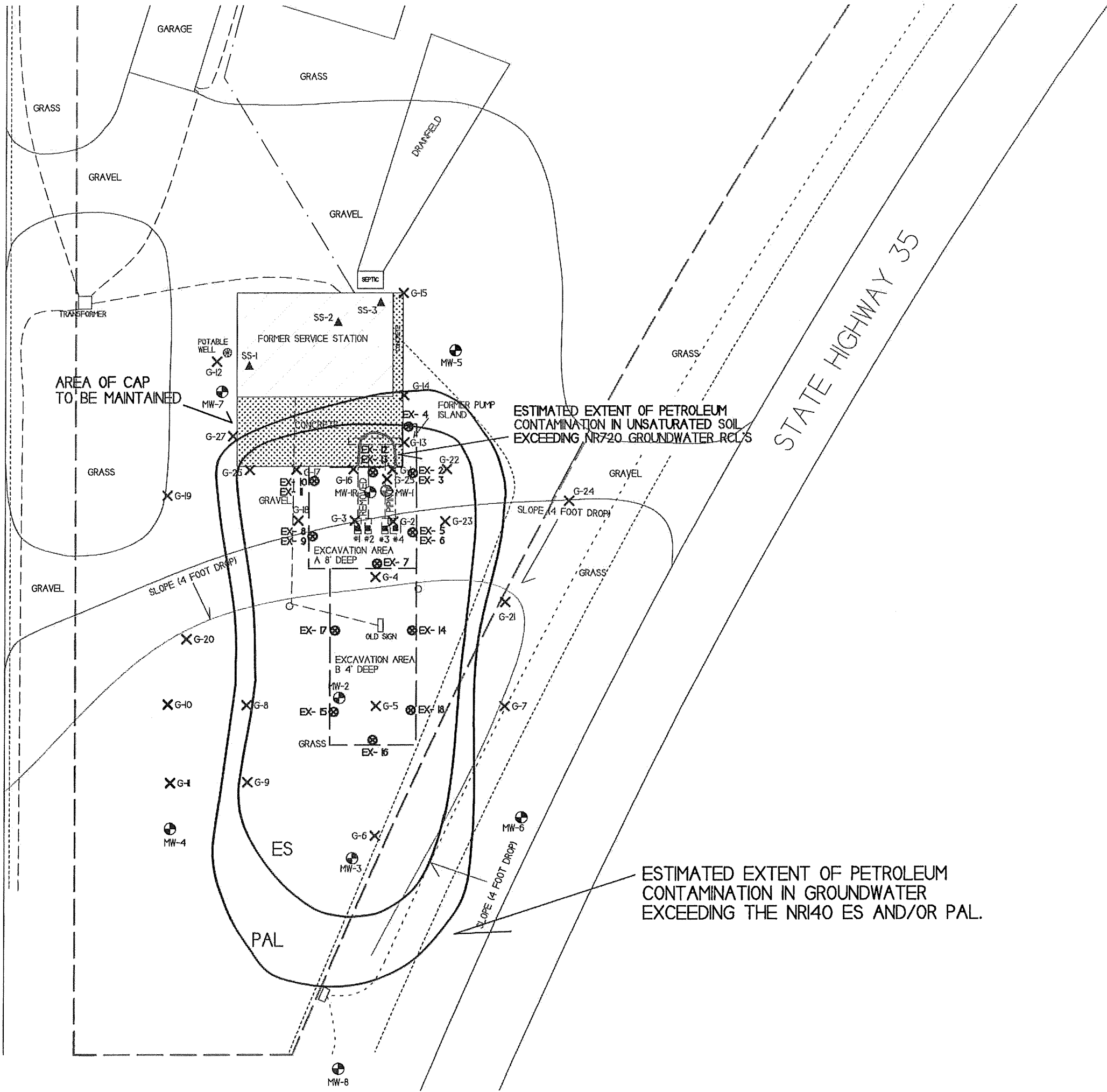
**Consultant:**

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

**WDNR:**

Grant Neitzel  
1701 N 4th Street  
Superior, WI 54880

NORTH ROAD



**D.2 LOCATION MAP**  
**SANDY'S SERVICE**  
**(FORMER)**

709 GILLETTE ST. STE. 3  
 LA CROSSE, WI 54603  
 Tel: (608) 781-8872  
 Fax: (608) 781-8892

DARYLAND,  
 WISCONSIN

DRAWN BY: RW  
 DATE: 1/26/2020

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

- - UST SITE ASSESSMENT SAMPLING LOCATION
  - ✕ - GEOPROBE BORING LOCATION
  - ⊕ - MONITORING WELL LOCATION
  - ⊖ - MONITORING WELL LOCATION (ABANDONED)
  - ⊙ - EXCAVATION CONFIRMATION SAMPLE LOCATION
  - ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
  - - LIGHT POLE
- - PROPERTY LINE
  - --- - WATER LINE
  - ..... - SANITARY SEWER LINE
  - - STORM SEWER LINE
  - - NATURAL GAS LINE
  - . - . - BURIED ELECTRIC LINE
  - - - - - TELEPHONE LINE
  - - - - - FIBER OPTIC LINE

- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE

SCALE:  
 1 INCH = 40 FEET

D.4

**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>Sandy's Service (former)</b>	BRRTS No. <b>03-16-286908</b>
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Inspections are required to be conducted (see closure approval letter):

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

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

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

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

**For: Sandy's Service (former)**  
**BRRTS # 03-16-286908**

**April 27, 2020**



*Excellence through experience™*



Excellence through experience™

1421 State Road 16 ♦ La Crosse, WI 54601 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 ♦ Email: rona@metcohq.com ♦ www.metcohq.com

April 27, 2020

BRRTS# 03-16-286908

Kathleen Shafel, Program Assistant  
WDNR RR Program  
Northern Region HQ  
223 East Steinfest Road  
Antigo WI, 54409

RE: Sandys Service (Former) - Closure Review and GIS Registry Fees

Dear Ms. Shafel,

The \$1,050 WDNR Closure Review Fee, and the \$650 GIS Registry Fee (Soil and Groundwater) for the Sandys Service (Former) site (BRRTS #: 03-16-286908) located in Dairyland, Wisconsin are being placed as a lien on the property deed. The complete closure submittal is being sent to Grant Neitzel of the Wisconsin Department of Natural Resources.

Sincerely,

A handwritten signature in black ink that reads "Jason T. Powell". The signature is fluid and cursive.

Jason T. Powell  
Staff Scientist

Cc: Ray Sandstrom



## **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.		
03-16-286908			
Parcel ID No.	DA0100084901		
FID No.	WTM Coordinates		
816126740	X 347257	Y 634910	
BRRTS Activity (Site) Name	WTM Coordinates Represent:		
Sandy's Service (former)	<input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address	City	State	ZIP Code
16571 S State Highway 35	Dairyland	WI	54830
Acres Ready For Use	11.84		

Responsible Party (RP) Name	Ray Sandstrom
Company Name	

Mailing Address	City	State	ZIP Code
31125 Gable Ave.	Stacy	MN	55079
Phone Number	Email		
(612) 801-9747			

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**

- 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:
 

<input checked="" type="checkbox"/> \$1,050 Closure Fee	<input checked="" type="checkbox"/> \$300 Database Fee for Soil
<input checked="" type="checkbox"/> \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)	Total Amount of Payment \$ <u>\$1,700.00</u>
	<input type="checkbox"/> Resubmittal, Fees Previously Paid

- Send one paper copy and one e-copy on compact disk of the entire closure package to the Regional Project Manager assigned to your site. Submit as unbound, separate documents in the order and with the titles prescribed by this form. For electronic document submittal requirements, see <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

**Site Summary**

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

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

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.  
The subject property is located in the SW 1/4 of the NW 1/4 of Section 34, Township 43 North, Range 15 West in the Town of Dairyland, Douglas County WI. The address of the property is 16571 S State Highway 35, Dairyland. The subject property is bound by State Highway 35 to the southeast, North Road to the west, County Road T to the southeast, and agricultural land to the north.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.  
A service station operated on the property from approximately 1974 until 1991. Prior to this the property was vacant. Currently the former service station is used for garage space and a seasonal residence has since been built on the property north of the service station.
- 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 GIS, the Sandy's Service (former) property is zoned G1 - Residential. The property to the west is also zoned G1 - Residential, the property to the north is zoned G-4 - Agricultural and the property to the east is zoned X4 - Other.
- D. Describe how and when site contamination was discovered.  
On November 21, 2001, Environmental Troubleshooters, Inc. oversaw the removal of four underground storage tanks (USTs). The tank systems consisted of one 1,000-gallon unleaded gasoline UST, one 560-gallon unleaded gasoline UST, and two 560-gallon diesel USTs. During the UST removal, two soil samples were collected from beneath the removed USTs for laboratory analysis (DRO, GRO, PVOC, and Naphthalene). Both soil samples showed elevated levels of petroleum contamination. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be conducted.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.  
Local soil and groundwater has been impacted by petroleum products released by the former unleaded and diesel UST systems that were removed on November 21, 2001.
- F. Other relevant site description information (or enter Not Applicable).  
Not Applicable
- G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.  
No other BRRTS activities exist at the subject property.
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.  
No other BRRTS activities exist immediately adjacent to the site.

**2. General Site Conditions**

- A. Soil/Geology
- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.  
Local unconsolidated materials generally consist of sandy silt/clay from surface to depths ranging from 3.5 to 9 feet below ground surface (bgs). At depths ranging from 3.5 to 9 feet bgs and extending to at least 14 feet bgs exists a very fine to coarse grained sand to silty sand with gravel.
  - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.  
In the area of the former UST system, fill material was encountered from surface to depths ranging from 2 to 5 feet bgs. Clean fill also exists in the area of excavation from 0-8 feet bgs.
  - iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.  
Bedrock was not encountered during site investigation. Based on local well construction reports, pre-cambrian basalt is expected to exist at approximately 50 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 majority of the surface cover consists of grass and wooded area. A concrete pad exists to the south of the former service station building and extends around to the east side of the building. A gravel driveway surrounds the former service station building and extends to both State Highway 35 and North Road to provide ingress and egress for the

egress for the former service station. A second access point also extends to North Road near the residence to the north of the former service station.

**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 0.11 to 5.94 feet bgs depending on well location and time of year. Free product did not affect water level measurements in any monitoring wells. The stratigraphic unit where the watertable was encountered consists of silt/clay to silty sand.

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

The local horizontal groundwater flow in the immediate area of the subject property is generally toward the south. Groundwater flow deeper in the aquifer is unknown as there were no piezometers installed at this site.

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

On May 9, 2018, METCO conducted slug tests on monitoring wells MW-1, MW-2 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) = 3.57E-05 cm/sec  
Transmissivity = 1.35E-02 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 0.3159 m/yr

**Monitoring Well MW-2**

Hydraulic Conductivity (K) = 2.71E-04 cm/sec  
Transmissivity = 8.66E-02 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 2.3977 m/yr

**Monitoring Well MW-5**

Hydraulic Conductivity (K) = 8.20E-04 cm/sec  
Transmissivity = 2.15E-01 cm<sup>2</sup>/sec  
Flow Velocity (V=KI/n) = 7.2632 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2 and MW-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 water supply wells. The water supply well for the subject property is located on the west side of the former service station building, approximately 60 feet to the northwest of the former pump island.

Other properties identified within 1200 feet of the release source that are likely to have private water supply wells include the following:

- 1231 E School Road - This is a private residence located approximately 450 feet to the southeast.
- 1232 E School Road - This is a former school located approximately 700 feet to the southeast.
- 1178 E County Road T - This is an abandoned church located approximately 700 feet to the southwest.
- 16659 S Highway 35 - This is a private residence located approximately 1200 feet to the south.
- 16652 Highway 35 - This is a private residence and former grocery store located approximately 1200 feet to the south.
- 16537 Old Highway 35 - This is a seasonal cabin located approximately 1200 feet to the northeast.

**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 August 15-16, 2017, during the Geoprobe Project, twenty-four Geoprobe borings were advanced to depths ranging from 8 to 12 feet bgs. Fifty soil samples were collected for field analysis (PID) and geologic description. Twenty-five soil samples were submitted for laboratory analysis (VOC, PVOC, Naphthalene, PAH, and/or Lead). Twenty-four groundwater samples were collected from the Geoprobe borings for laboratory analysis (PVOC and Naphthalene). One groundwater sample was also collected from the on-site private well for laboratory analysis (VOC). (Site Investigation Report, November 28, 2018)

On February 28 to March 1, 2018, during the Drilling Project, seven borings were completed to depths ranging from 12 to 14 feet bgs with twenty-one soil samples collected for field analysis (PID) and geologic description. Six soil samples were submitted for laboratory analysis (PVOC, Naphthalene, and/or DRO and GRO). One composite soil sample was also collected for laboratory analysis (DRO, GRO, PVOC, Naphthalene, and TCLP-Lead) for waste disposal characterization. During the Drilling Project, seven monitoring wells were installed to depths ranging from 12 to 14 feet bgs. Upon completion, the monitoring wells were properly developed. (Site Investigation Report, November 28, 2018)

On May 9, 2018, METCO personnel collected groundwater samples from the seven monitoring wells (MW-1 through MW-7) for field (Water Level, Dissolved Oxygen, pH, ORP, Temperature, and Specific Conductivity) and laboratory analysis (VOC, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, and Sulfate). One groundwater sample was also collected from the on-site private well for laboratory analysis (VOC). (Site Investigation Report, November 28, 2018)

On August 6, 2018, METCO personnel collected groundwater samples from the seven monitoring wells (MW-1 through MW-7) for field (Water Level, Dissolved Oxygen, pH, ORP, Temperature, and Specific Conductivity) and laboratory analysis (PVOC, Naphthalene, and Dissolved Lead). One groundwater sample was also collected from the on-site private well for laboratory analysis (PVOC and Naphthalene). (Site Investigation Report, November 28, 2018)

On April 4, 2019, Geiss Soil & Samples, LLC of Merrill, Wisconsin conducted a Geoprobe project under the direction and supervision of METCO personnel. During the project one boring (G-25) was completed to 8 feet bgs with two soil samples collected for field analysis (PID) and one of the soil samples was submitted for laboratory analysis (TCLP Benzene). This sample required for disposal approved at the landfill. Upon completion, the Geoprobe boring was properly abandoned. (Letter Report, August 23, 2019)

On April 22-25, 2019, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,325.45 tons of contaminated soil was excavated and hauled to the Republic Services- Lake Area Landfill in Sarona, Wisconsin. The excavation consisted of two adjacent areas. The first was conducted in the area of the removed UST's and piping and consisted of an irregular shaped area measuring up to 56 feet long, 46 feet wide, and 8 feet deep. The second was to the south of the removed UST's and consisted of an irregular shaped area measuring up to 68 feet long, 35 feet wide, and 4 feet deep. Eighteen confirmation soil samples were collected from the side walls of the excavation at depths ranging from 2-7 feet bgs for PVOC, Naphthalene, and Lead analysis. No soil samples were collected from the bottom of the excavation as it was saturated. (Letter Report, August 23, 2019)

On June 3, 2019, Geiss Soil & Samples, LLC of Merrill, Wisconsin conducted a Geoprobe/ Drilling project under the direction and supervision of METCO personnel. During the Geoprobe project two borings (G-26 and G-27) were completed to 8 feet bgs with four soil samples collected for field and laboratory analysis (PID, PVOC, Naphthalene and Lead). Groundwater samples were also collected from borings G-26 and G-27 for PVOC, Naphthalene, analysis. Geoprobe boring G-27 did not have enough groundwater present to collect a sample to be for analyzed for Dissolved Lead. Upon completion, the Geoprobe borings were properly abandoned. During the Drilling project two monitoring wells (MW-8 and MW1R) were installed to 13 feet bgs. MW1R was blind drilled and MW-8 was completed with 3 soil samples collected for field analysis (PID) and geologic description. (Letter Report, August 23, 2019)

On July 9-10, 2019, METCO personnel collected groundwater samples from eight monitoring wells (MW-1R through MW-8) and one private well (16571 State Highway 35). Monitoring Wells MW-1R thru MW-7 and the private well were analyzed for (Dissolved Lead, PVOC and Naphthalene). Monitoring well MW-8 was analyzed for Dissolved Lead and VOC's. Field measurements for water levels, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductance were collected from all sampled monitoring wells. (Letter Report, August 23, 2019)

On October 3, 2019, METCO personnel collected groundwater samples from eight monitoring wells (MW-1R through MW-8) and one private well (16571 State Highway 35) for Dissolved Lead, PVOC, and Naphthalene analysis. Field measurements for water levels, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductance were collected from all sampled monitoring wells. (Letter Report, February 5, 2020)

On December 30, 2019, METCO personnel collected groundwater samples from eight monitoring wells (MW-1R through MW-8) and one private well (16571 State Highway 35) for Dissolved Lead, PVOC, and Naphthalene analysis. Field measurements for water levels, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductance were collected from all sampled monitoring wells. (Letter Report, February 5, 2020)

On December 30, 2019, Braun Intertec of Duluth, Minnesota installed three sub-slab vapor sampling ports (SS-1, SS-2, and SS-3) in the on-site former service station building and collected vapor samples from the three sub-slab sampling ports for PVOC and Naphthalene (TO-15) analysis. (Letter Report, February 5, 2020)

- 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. It doesn't appear that the area of unsaturated soil contamination extends beyond the property boundary. A dissolved phase contaminant plume exceeding the NR140 ES has formed at the water table and extends beyond the property

boundary into the right-of-way of State Highway 35. This groundwater contamination plume is approximately 100 feet wide at the property boundary, extends up to 20 feet into the right-of-way.

- 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.

Because METCO personnel were unable to Geoprobe or excavate beneath the concrete slab, a portion of the soil contamination remains under the concrete slab south of the former service station building. It is considered a structural impediment as it interfered with the completion of the site investigation and remediation. The concrete slab on top of the soil plume is a rectangular shape that measures approximately 64 feet long and 26 feet wide and overlays the northern end of the contamination plume.

#### B. Soil

- i. Describe degree and extent of soil contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways.

An area of unsaturated soil contamination, which exceeds the NR720 Groundwater RCL values, soil contamination remains (or potentially remains) under the structural impediment in the area of the former UST piping and pump island. The excavation removed the rest of the unsaturated soil contamination.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column. The soil excavation removed all of the unsaturated soil sample locations that exceeded the NR720 GW RCLs. However, based on the results of the Geoprobe boring G-1, which was near the area of residual soil contamination, it is presumed that contamination remains under the concrete pad/ structural impediment in the vicinity of the former UST piping and dispenser island near boring G-1.
- 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 "Residential", therefore non-industrial standards were used for this site.

#### C. Groundwater

- i. Describe degree and extent of groundwater contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.

A dissolved phase contaminant plume exceeding the NR140 ES and/or Preventive Action Limit (PAL) has formed at the watertable in the area of the removed gasoline and diesel UST's and former pump island and has migrated toward the south. This plume is approximately 233 feet long and up to 112 feet wide.

Telephone, fiber optic, and electric lines exist within the area of the NR140 ES contaminant plume in groundwater. Telephone, fiber optic, and electric lines typically exist within 30 inches of ground surface and are backfilled with native soil. Since these utility corridors are backfilled with native soil, they do not appear to be acting as preferential contaminant migration pathways.

- 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 not encountered in any of the monitoring wells or soil borings.

#### 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 December 30, 2019, Braun Intertec of Duluth, Minnesota installed three sub-slab vapor sampling ports (SS-1, SS-2, and SS-3) in the on-site former service station building and collected vapor samples from the three sub-slab sampling ports for PVOC and Naphthalene (TO-15) analysis.

- 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 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 unnamed creek, which exists approximately 425 feet to the south/southwest of the subject property. It does not appear any contamination has migrated to any surface water, therefore no surface water or surface sediment samples were collected.
- 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.

On April 22-25, 2019, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,325.45 tons of contaminated soil was excavated and hauled to the Republic Services- Lake Area Landfill in Sarona, Wisconsin. The excavation consisted of two adjacent areas. The first was conducted in the area of the removed UST's and piping and consisted of an irregular shaped area measuring up to 56 feet long, 46 feet wide, and 8 feet deep. The second was to the south of the removed UST's and consisted of an irregular shaped area measuring up to 68 feet long, 35 feet wide, and 4 feet deep. Eighteen confirmation soil samples were collected from the side walls of the excavation at depths ranging from 2-7 feet bgs for PVOC, Naphthalene, and Lead analysis. No soil samples were collected from the bottom of the excavation as it was saturated.

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.  
There were no immediate or interim actions taken 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.

On April 22-25, 2019, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,325.45 tons of contaminated soil was excavated and hauled to the Republic Services- Lake Area Landfill in Sarona, Wisconsin. The excavation consisted of two adjacent areas. The first was conducted in the area of the removed UST's and piping and consisted of an irregular shaped area measuring up to 56 feet long, 46 feet wide, and 8 feet deep. The second was to the south of the removed UST's and consisted of an irregular shaped area measuring up to 68 feet long, 35 feet wide, and 4 feet deep. Eighteen confirmation soil samples were collected from the side walls of the excavation at depths ranging from 2-7 feet bgs for PVOC, Naphthalene, and Lead analysis. No soil samples were collected from the bottom of the excavation as it was saturated.

- 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, which exceeds the NR720 Groundwater RCL values, soil contamination remains (or potentially remains) under the structural impediment in the area of the former UST piping and pump island. The excavation removed the rest of the unsaturated soil contamination.

The soil excavation removed all of the unsaturated soil sample locations that exceeded the NR720 GW RCLs. However, based on the results of the Geoprobe boring G-1, which was near the area of residual soil contamination, it is presumed that contamination remains under the concrete pad/ structural impediment in the vicinity of the former UST piping and dispenser island near boring G-1.

A dissolved phase contaminant plume exceeding the NR140 ES and/or Preventive Action Limit (PAL) has formed at the watertable in the area of the removed gasoline and diesel UST's and former pump island and has migrated toward the south. This plume is approximately 233 feet long and up to 112 feet wide.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the water table and extends beyond the property boundary into the right-of-way of State Highway 35. This groundwater contamination plume is approximately 100 feet wide at the property boundary, extends up to 20 feet into the right-of-way.

- 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 residual soil contamination within the upper four feet of ground surface which exceeds the NR720 Non-Insustiral 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.  
The soil excavation removed all of the unsaturated soil sample locations that exceeded the NR720 GW RCLs. However, based on the results of the Geoprobe boring G-1, which was near the area of residual soil contamination, it is presumed that contamination remains under the concrete pad/ structural impediment in the vicinity of the former UST piping and dispenser island near boring G-1.
- 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 and groundwater contamination will be addressed via a cap maintenance plan and natural attenuation.
- I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).  
Since overall contamination appears to be stable to decreasing and the majority of contaminated soil has been removed during the excavation project in 2019 it appears that natural attenuation will be effective in reducing the contaminant mass.
- J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).  
Any additional exposed pathways will be addressed via natural attenuation and a cap maintenance plan.
- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.  
No system hardware is anticipated to be left in place after closure.
- L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.  
No NR140 PAL or ES exemptions are needed at this time.
- 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.  
There were no samples that exceeded the DNR Small Commercial 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 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 type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Not Abandoned (filled and sealed)	NA
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Continued Monitoring (requested or required)	Yes
v.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	<input checked="" 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 checked="" 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.

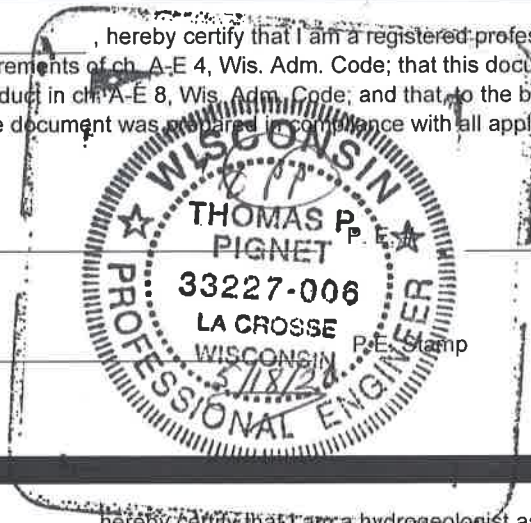
- The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- The investigation and the response action(s) for this 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 (revised)

Title Engineer



32227-006

**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 Senior Hydrogeologist/Project Manager

Date 5/18/20

## **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 – Groundwater Natural Attenuation Parameters and Hydraulic Conductivity Calculations.**



**A.1 Groundwater Analytical Table**  
**(Geoprobe)**  
**Sandy's Service (former) BRRTS #03-16-286908**

Sample ID	Date	Benzene (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
G-1-W	8/15/2017	11400	1920	<86	620	30200	4200	13000
G-2-W	8/15/2017	8400	1530	<86	510	21200	2000	8700
G-3-W	8/15/2017	173	122	<21.5	161	44	297	456
G-4-W	8/15/2017	770	630	<21.5	440	1040	1056	2630
G-5-W	8/15/2017	6700	1130	<43	370	5500	1315	4740
G-6-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-7-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-8-W	8/15/2017	0.72	0.77	<0.43	<1.7	0.36	<1.14	4.42
G-9-W	8/15/2017	254	7.4	<0.43	<1.7	39	<1.14	18.08
G-10-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-11-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-12-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-13-W	8/15/2017	4600	1830	<21.5	640	19600	2990	12300
G-14-W	8/15/2017	4.0	1.4	<0.43	<1.7	4.0	6.99	8.72
G-15-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-16-W	8/15/2017	6600	1300	<43	490	16300	2150	8570
G-17-W	8/15/2017	2720	720	<21.5	580	5800	881	3240
G-18-W	8/15/2017	198	191	<4.3	340	117	419	608
G-19-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-20-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-21-W	8/15/2017	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
G-22-W	8/16/2017	165	950	<21.5	350	2430	1197	3760
G-23-W	8/16/2017	580	1670	<43	510	8000	2500	7740
G-24-W	8/16/2017	<0.27	1.34	<0.43	<1.7	0.38	<1.14	5.71
G-26-W	6/3/2019	5.2	16.3	<0.57	5.4	1.81	16.9	16.5
G-27-W	6/3/2019	<0.22	4.3	<0.57	<1.7	<0.45	<1.48	26.4
Potable Well	8/16/2017	<0.39	<0.32	<0.33	<0.33	<0.4	<0.43	<1.04
<b>ENFORCEMENT STANDARDS = Bold</b>		<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>		<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

NS = Not Sampled

(ppb) = parts per billion

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

(ppm) = parts per million

**A.1 Groundwater Analytical Table**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-1/MW-1R** 1065.03  
**PVC Elevation =** 1065.29 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1061.16	4.13	2.3	<b>12400</b>	<b>2070</b>	<56	<420	<b>34000</b>	<b>2030</b>	<b>11800</b>
08/06/18	1060.17	5.12	0.8	<b>16400</b>	<b>2350</b>	<57	<b>480</b>	<b>38000</b>	<b>2470</b>	<b>13200</b>
04/23/19	WELL ABANDONED AND REPLACED DURING EXCAVATION PROJECT									
06/03/19	MW-1 REPLACED WITH MW-1R									
07/10/19	1061.31	3.72	<1.1	<b>315</b>	<b>220</b>	<28	<b>620</b>	<b>132</b>	<b>419</b>	<b>1010</b>
10/03/19	1061.87	3.16	<1.1	<b>107</b>	<b>23.3</b>	<0.24	<b>37</b>	<b>23.3</b>	<b>29.1</b>	<b>49.9</b>
12/30/19	1061.64	3.39	<1.1	<b>95</b>	<b>37</b>	<0.71	<b>29.2</b>	<b>39</b>	<b>48.1</b>	<b>68.7</b>
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-2**  
**PVC Elevation =** 1060.75 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1060.45	0.30	<0.9	<b>256</b>	<b>33</b>	<2.8	<21	<b>144</b>	<b>31.2</b>	<b>145</b>
08/06/18	1059.69	1.06	<0.8	<b>121</b>	<b>20.5</b>	<0.57	<b>5.0</b>	<b>4.4</b>	<b>9.75</b>	<b>37.4</b>
07/10/19	1060.97	-0.22	<1.1	<b>102</b>	<b>19.3</b>	<0.28	<b>8.2</b>	<b>4.4</b>	<b>7.53</b>	<b>49.2</b>
10/03/19	1060.95	-0.20	<1.1	<b>196</b>	<b>28.6</b>	<0.24	<b>2.03</b>	<b>54</b>	<b>14.27</b>	<b>92.7</b>
12/30/19	1061.09	-0.34	<1.1	<b>440</b>	<b>62</b>	<0.71	<b>7.3</b>	<b>248</b>	<b>38.5</b>	<b>216</b>
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-3**  
**PVC Elevation =** 1059.13 (feet) (MSL)

Date	Water Elevation	Depth to water from top of PVC	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	COULD NOT MEASURE		<0.9	<b>540</b>	<b>22.1</b>	<2.8	<21	<b>11.4</b>	<b>46.4</b>	<b>306</b>
08/06/18	1059.27	-0.14	<0.8	<b>194</b>	<b>11.9</b>	<5.7	<17	<b>8.9</b>	<b>23.3-30.80</b>	<b>136</b>
07/10/19	1059.44	-0.31	<1.1	<b>480</b>	<b>54</b>	<2.8	<b>22.5</b>	<b>67</b>	<b>99.9</b>	<b>707</b>
10/03/19	COULD NOT MEASURE		<1.1	<b>360</b>	<b>63</b>	<2.4	<b>36</b>	<b>36</b>	<b>139.6</b>	<b>798</b>
12/30/19	COULD NOT MEASURE		<1.1	<b>340</b>	<b>28.3</b>	<7.1	<b>18.5</b>	<b>15.5</b>	<b>81.0</b>	<b>445</b>
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**A.1 Groundwater Analytical Table**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-4**

**PVC Elevation =** 1059.31 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	COULD NOT MEASURE		<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	1059.31	0.00	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1059.76	-0.45	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	COULD NOT MEASURE		<1.1	0.68	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	COULD NOT MEASURE		<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-5**

**PVC Elevation =** 1065.28 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1061.19	4.09	<0.9	2.05	0.36	<0.28	<2.1	5.4	<1.43	1.79
08/06/18	1060.28	5.00	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1061.25	4.03	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1061.66	3.62	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	1061.79	3.49	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-6**

**PVC Elevation =** 1065.22 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1060.50	4.72	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	1059.68	5.54	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1060.49	4.73	1.2	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1061.04	4.18	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	1061.18	4.04	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**A.1 Groundwater Analytical Table**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-7**

**PVC Elevation =** 1065.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1061.51	3.94	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	1060.10	5.35	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1061.46	3.99	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1061.79	3.66	<1.1	<0.32	<0.29	<0.24	<1.3	0.62	<1.13	<1.12
12/30/19	1061.89	3.56	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

NS = not sampled NM = not measured

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

**Well MW-8**

**PVC Elevation =** 1060.01 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/10/19	1059.70	0.31	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1060.11	-0.10	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	1060.21	-0.20	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

NS = not sampled NM = not measured

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

**ON SITE PRIVATE WELL - (PW-SP) 16571 STH 35**

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
8/15/2017	NM	NM	NS	<0.39	<0.98	<0.33	<0.39	<0.48	<0.46	<0.38
05/09/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	NM	NM	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	NM	NM	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	NM	NM	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	NM	NM	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

NS = not sampled NM = not measured

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

A.1 Groundwater Analytical Table  
(VOC's)  
Sandy's Service (former) BRRTS #03-16-286908

Well Sampling Conducted on August 15, 2017

VOC's Well Name	Potable Well	ENFORCE MENT STANDARD = ES - Bold		PREVENTIVE ACTION LIMIT = PAL - Italics	
Benzene/ppb	< 0.39	<b>5</b>		<i>0.5</i>	
Bromobenzene/ppb	< 0.58	==		==	
Bromodichloromethane/ppb	< 0.59	<b>0.6</b>		<i>0.06</i>	
Bromoform/ppb	< 0.41	<b>4.4</b>		<i>0.44</i>	
tert-Butylbenzene/ppb	< 0.45	==		==	
sec-Butylbenzene/ppb	< 0.43	==		==	
n-Butylbenzene/ppb	< 0.27	==		==	
Carbon Tetrachloride/ppb	< 0.43	<b>5</b>		<i>0.5</i>	
Chlorobenzene/ppb	< 0.58	==		==	
Chloroethane/ppb	< 0.45	<b>400</b>		<b>80</b>	
Chloroform/ppb	< 0.21	<b>6</b>		<i>0.6</i>	
Chloromethane/ppb	< 0.22	<b>30</b>		<b>3</b>	
2-Chlorotoluene/ppb	< 0.33	==		==	
4-Chlorotoluene/ppb	< 0.83	==		==	
1,2-Dibromo-3-chloropropane/ppb	< 0.26	<b>0.2</b>		<i>0.02</i>	
Dibromochloromethane/ppb	< 0.26	<b>60</b>		<b>6</b>	
1,4-Dichlorobenzene/ppb	< 0.3	<b>75</b>		<b>15</b>	
1,3-Dichlorobenzene/ppb	< 0.59	<b>600</b>		<b>120</b>	
1,2-Dichlorobenzene/ppb	< 0.49	<b>600</b>		<b>60</b>	
Dichlorodifluoromethane/ppb	< 0.33	<b>1000</b>		<b>200</b>	
1,2-Dichloroethane/ppb	< 0.39	<b>5</b>		<i>0.5</i>	
1,1-Dichloroethane/ppb	< 0.39	<b>850</b>		<b>85</b>	
1,1-Dichloroethene/ppb	< 0.36	<b>7</b>		<i>0.7</i>	
cis-1,2-Dichloroethene/ppb	< 0.42	<b>70</b>		<b>7</b>	
trans-1,2-Dichloroethene/ppb	< 0.41	<b>100</b>		<b>20</b>	
1,2-Dichloropropane/ppb	< 0.39	<b>5</b>		<i>0.5</i>	
2,2-Dichloropropane/ppb	< 0.38	==		==	
1,3-Dichloropropane/ppb	< 0.23	==		==	
Di-isopropyl ether/ppb	< 0.44	==		==	
EDB (1,2-Dibromoethane)/ppb	< 0.32	<b>0.05</b>		<i>0.005</i>	
Ethylbenzene/ppb	< 0.98	<b>700</b>		<b>140</b>	
Hexachlorobutadiene/ppb	< 0.27	==		==	
Isopropylbenzene/ppb	< 0.24	==		==	
p-Isopropyltoluene/ppb	< 0.98	==		==	
Methylene chloride/ppb	< 0.61	<b>5</b>		<i>0.5</i>	
Methyl tert-butyl ether (MTBE)/ppb	< 0.33	<b>60</b>		<b>12</b>	
Naphthalene/ppb	< 0.39	<b>100</b>		<b>10</b>	
n-Propylbenzene/ppb	< 0.52	==		==	
1,1,2,2-Tetrachloroethane/ppb	< 0.61	<b>0.2</b>		<i>0.02</i>	
1,1,1,2-Tetrachloroethane/ppb	< 0.44	<b>70</b>		<b>7</b>	
Tetrachloroethene (PCE)/ppb	< 0.4	<b>5</b>		<i>0.5</i>	
Toluene/ppb	< 0.48	<b>800</b>		<b>160</b>	
1,2,4-Trichlorobenzene/ppb	< 0.37	<b>70</b>		<b>14</b>	
1,2,3-Trichlorobenzene/ppb	< 0.35	==		==	
1,1,1-Trichloroethane/ppb	< 0.46	<b>200</b>		<b>40</b>	
1,1,2-Trichloroethane/ppb	< 0.37	<b>5</b>		<i>0.5</i>	
Trichloroethene (TCE)/ppb	< 0.75	<b>5</b>		<i>0.5</i>	
Trichlorofluoromethane/ppb	< 0.43	==		==	
1,2,4-Trimethylbenzene/ppb	< 0.17				
1,3,5-Trimethylbenzene/ppb	< 0.26	<b>Total TMB's 480</b>		<i>Total TMB's 96</i>	
Vinyl Chloride/ppb	< 0.18	<b>0.2</b>		<i>0.02</i>	
m&p-Xylene/ppb	< 0.66				
o-Xylene/ppb	< 0.38	<b>Total Xylenes 2000</b>		<i>Total Xylenes 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.1 Groundwater Analytical Table  
Sandy's Service (former) BRRTS #03-16-286908

Well Sampling Conducted on: 05/09/18 05/09/18 05/09/18 05/09/18 05/09/18 05/09/18 05/09/18 05/09/18 05/09/18 07/09/19

VOC's

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
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Well Name	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	ON SITE PRIVATE WELL (PW-SP)	MW-8		
Lead, dissolved/ppb	2.3 "J"	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NS	< 1.1	<b>15</b>	<i>1.5</i>
Benzene/ppb	<b>12400</b>	<b>256</b>	<b>540</b>	< 0.22	<i>2.05</i>	< 0.22	< 0.22	< 0.22	< 0.22	<b>5</b>	<i>0.5</i>
Bromobenzene/ppb	< 88	< 4.4	< 4.4	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	==	==
Bromodichloromethane/ppb	< 66	< 3.3	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	<b>0.6</b>	<i>0.06</i>
Bromofom/ppb	< 90	< 4.5	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	<b>4.4</b>	<i>0.44</i>
tert-Butylbenzene/ppb	< 50	< 2.5	< 2.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
sec-Butylbenzene/ppb	< 158	< 7.9	< 7.9	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	==	==
n-Butylbenzene/ppb	< 142	< 7.1	< 7.1	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	==	==
Carbon Tetrachloride/ppb	< 62	< 3.1	< 3.1	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	<b>5</b>	<i>0.5</i>
Chlorobenzene/ppb	< 52	< 2.6	< 2.6	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
Chloroethane/ppb	< 122	< 6.1	< 6.1	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	<b>400</b>	<i>80</i>
Chloroform/ppb	< 52	< 2.6	< 2.6	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	<b>6</b>	<i>0.6</i>
Chloromethane/ppb	< 108	< 5.4	6.5 "J"	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	<b>30</b>	<i>3</i>
2-Chlorotoluene/ppb	< 62	< 3.1	< 3.1	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==	==
4-Chlorotoluene/ppb	< 52	< 2.6	< 2.6	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
1,2-Dibromo-3-chloropropane/ppb	< 592	< 29.6	< 29.6	< 2.96	< 2.96	< 2.96	< 2.96	< 2.96	< 2.96	<b>0.2</b>	<i>0.02</i>
Dibromochloromethane/ppb	< 44	< 2.2	< 2.2	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	<b>60</b>	<i>6</i>
1,4-Dichlorobenzene/ppb	< 140	< 7	< 7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	<b>75</b>	<i>15</i>
1,3-Dichlorobenzene/ppb	< 170	< 8.5	< 8.5	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	<b>600</b>	<i>120</i>
1,2-Dichlorobenzene/ppb	< 172	< 8.6	< 8.6	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	<b>600</b>	<i>60</i>
Dichlorodifluoromethane/ppb	< 64	< 3.2	< 3.2	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	<b>1000</b>	<i>200</i>
1,2-Dichloroethane/ppb	< 50	< 2.5	< 2.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	<b>5</b>	<i>0.5</i>
1,1-Dichloroethane/ppb	< 72	< 3.6	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	<b>850</b>	<i>85</i>
1,1-Dichloroethene/ppb	< 84	< 4.2	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	<b>7</b>	<i>0.7</i>
cis-1,2-Dichloroethene/ppb	< 74	< 3.7	< 3.7	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	<b>70</b>	<i>7</i>
trans-1,2-Dichloroethene/ppb	< 68	< 3.4	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	<b>100</b>	<i>20</i>
1,2-Dichloropropane/ppb	< 88	< 4.4	< 4.4	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	<b>5</b>	<i>0.5</i>
1,3-Dichloropropane/ppb	< 60	< 3	< 3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
trans-1,3-Dichloropropene/ppb	< 64	< 3.2	< 3.2	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	<b>0.4</b>	<i>0.04</i>
cis-1,3-Dichloropropene/ppb	< 52	< 2.6	< 2.6	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
Di-Isopropyl ether/ppb	< 42	< 2.1	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	==	==
EDB (1,2-Dibromoethane)/ppb	< 68	< 3.4	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	<b>0.05</b>	<i>0.005</i>
Ethylbenzene/ppb	<b>2070</b>	<b>33</b>	<b>22.1</b>	< 0.26	0.36 "J"	< 0.26	< 0.26	< 0.26	< 0.26	<b>700</b>	<i>140</i>
Hexachlorobutadiene/ppb	< 268	< 13.4	< 13.4	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	==	==
Isopropylbenzene/ppb	< 156	< 7.8	< 7.8	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	==	==
p-Isopropyltoluene/ppb	< 48	< 2.4	< 2.4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
Methylene chloride/ppb	< 264	< 13.2	< 13.2	< 1.32	< 1.32	< 1.32	< 1.32	< 1.32	< 1.32	<b>5</b>	<i>0.5</i>
Methyl tert-butyl ether (MTBE)/ppb	< 56	< 2.8	< 2.8	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	<b>60</b>	<i>12</i>
Naphthalene/ppb	< 420	< 21	< 21	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	<b>100</b>	<i>10</i>
n-Propylbenzene/ppb	162 "J"	8.4 "J"	< 6.1	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	==	==
1,1,2,2-Tetrachloroethane/ppb	< 60	< 3	< 3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	<b>0.2</b>	<i>0.02</i>
1,1,1,2-Tetrachloroethane/ppb	< 70	< 3.5	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	<b>70</b>	<i>7</i>
Tetrachloroethene (PCE)/ppb	< 76	< 3.8	< 3.8	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	<b>5</b>	<i>0.5</i>
Toluene/ppb	<b>34000</b>	<b>144</b>	<b>11.4</b>	< 0.19	<b>5.4</b>	< 0.19	< 0.19	< 0.19	< 0.19	<b>800</b>	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 230	< 11.5	< 11.5	< 1.15	< 1.15	< 1.15	< 1.15	< 1.15	< 1.15	<b>70</b>	<i>14</i>
1,2,3-Trichlorobenzene/ppb	< 342	< 17.1	< 17.1	< 1.71	< 1.71	< 1.71	< 1.71	< 1.71	< 1.71	==	==
1,1,1-Trichloroethane/ppb	< 66	< 3.3	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	<b>200</b>	<i>40</i>
1,1,2-Trichloroethane/ppb	< 84	< 4.2	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	<b>5</b>	<i>0.5</i>
Trichloroethene (TCE)/ppb	< 60	< 3	< 3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	<b>5</b>	<i>0.5</i>
Trichlorofluoromethane/ppb	< 70	< 3.5	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
1,2,4-Trimethylbenzene/ppb	<b>1630</b>	17.5 "J"	<b>36</b>	< 0.8	< 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	400 "J"	13.7 "J"	10.4 "J"	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	<b>0.2</b>	<i>0.02</i>
Vinyl Chloride/ppb	< 40	< 2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<b>Total Xylenes 2000</b>	<i>Total Xylenes 400</i>
m&p-Xylene/ppb	<b>7700</b>	<b>93</b>	<b>198</b>	< 0.43	1.05 "J"	< 0.43	< 0.43	< 0.43	< 0.43		
o-Xylene/ppb	<b>4100</b>	<b>52</b>	<b>108</b>	< 0.29	0.74 "J"	< 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 Exceedences  
(ppb) = parts per billion  
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.2 Soil Analytical Results Table  
Sandy's Service (former) BRRTS #03-16-286908

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 (ppb)	DIRECT CONTACT (PVOC, PAH & Lead)		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
#1	NM	NM	09/21/01	479.00	NOT SAMPLED														
#2	7.0	S	09/21/01	462.00	NS	1900	NS	<1.0	6.9	<1.0	NS	<1.0	58	20	31	NS			
#3	7.0	S	09/21/01	703.00	NS	NS	1800	<1.0	9.3	<1.0	NS	1.3	68	25	41	NS			
#4	NM	NM	09/21/01	569.00	NOT SAMPLED														
G-1-1	3.5	U	08/15/17	66	3.72	NS	NS	0.194	0.295	<0.025	0.229	0.53	12.1	6.3	7.55	NS	0	0.649	2.2E-07
G-1-2	7.0	S	08/15/17	5000	7.95	NS	NS	40	135	<2.5	55	540	370	111	867	SEE VOC SHEET			
G-2-1	3.5	U	08/15/17	39	3.58	NS	NS	<0.025	<0.025	<0.025	0.121	<0.025	<0.025	<0.025	<0.075	NS	0	0.0013	2.8E-08
G-2-2	7.0	S	08/15/17	5000+	NS	NS	NS	8.1	18.7	<0.5	12.2	83	55	21.4	91	NS			
G-3-1	3.5	U	08/15/17	11	4.28	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	1.66	3.3	0.316-0.816	NS	0	0.146	
G-3-2	7.0	S	08/15/17	5000+	NS	NS	NS	1.04	6.0	<0.25	15.1	0.78	26.3	11	17.7	NS			
G-4-1	3.5	U	08/15/17	680	11.4	NS	NS	1.0	12.6	<0.25	9.7	1.4	54	20	47.2	NS	3	0.4548	5.3E-06
G-4-2	7.0	S	08/15/17	5000+	NS	NS	NS	4.0	24.7	<0.5	28.9	5.5	85	36	88	NS			
G-5-1	3.5	S	08/15/17	69	NS	NS	NS	1.75	0.215	<0.025	0.091	0.129	0.15	0.097	0.29	NS	1	0.0181	1.1E-06
G-5-2	6.5	S	08/15/17	496	NS	NS	NS	1.11	0.24	<0.025	0.099	0.216	0.33	0.098	0.541				
G-6-1	3.5	S	08/15/17	4.7	NOT SAMPLED												0		
G-6-2	6.0	S	08/15/17	8.0	NOT SAMPLED														
G-7-1	3.5	U	08/15/17	3.9	NOT SAMPLED												0		
G-7-2	5.0	U	08/15/17	5.5	NOT SAMPLED														
G-8-1	3.5	S	08/15/17	4.3	NOT SAMPLED												0		
G-8-2	6.0	S	08/15/17	5.1	NOT SAMPLED														
G-9-1	3.5	S	08/15/17	9.3	NOT SAMPLED												0		
G-9-2	6.0	S	08/15/17	13.3	NOT SAMPLED														
G-10-1	3.5	S	08/15/17	9.8	NOT SAMPLED												0		
G-10-2	8.0	S	08/15/17	5.1	NOT SAMPLED														
G-11-1	3.5	S	08/15/17	9.8	NOT SAMPLED												0		
G-11-2	8.0	S	08/15/17	8.6	NOT SAMPLED														
G-12-1	3.5	U	08/15/17	4.4	NOT SAMPLED												0		
G-12-2	8.0	S	08/15/17	7.8	NOT SAMPLED														
G-12-3	12.0	S	08/15/17	5.4	NOT SAMPLED														
G-13-1	3.5	U	08/15/17	4.3	1.95	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-13-2	6.5	S	08/15/17	5000+	NS	NS	NS	32	82	<0.5	35	294	240	81	529	NS			
G-14-1	3.5	U	08/15/17	5.5	2.48	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-14-2	6.5	S	08/15/17	42.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
G-15-1	3.5	U	08/15/17	6.8	NOT SAMPLED												0		
G-15-2	8.0	S	08/15/17	8.3	NOT SAMPLED														
G-15-3	12.0	S	08/15/17	6.2	NOT SAMPLED														
G-16-1	3.5	U	08/15/17	8.8	3.37	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	0.058	0.125	<0.075	NS	0	0.0005	0.00E+00
G-16-2	7.0	S	08/15/17	5000+	NS	NS	NS	14.6	33	<0.25	19.9	120	102	35	201	NS			
G-17-1	3.5	U	08/15/17	15.7	1.93	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-17-2	7.0	S	08/15/17	5000+	NS	NS	NS	6.4	20.4	<0.25	21.1	7.9	60	22.4	90.7	NS			
G-18-1	3.5	U	08/15/17	64	3.70	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-18-2	7.0	S	08/15/17	2437	NS	NS	NS	2.14	18.8	<1.25	57	3.1	80	36	60	NS			
G-19-1	3.5	U	08/15/17	6.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-19-2	7.0	S	08/15/17	6.4	NOT SAMPLED														
G-20-1	3.5	S	08/15/17	5.4	NOT SAMPLED												0		
G-20-2	6.0	S	08/15/17	6.7	NOT SAMPLED														
G-21-1	3.5	S	08/15/17	7.8	NOT SAMPLED												0		
G-21-2	6.0	S	08/15/17	6.3	NOT SAMPLED														
G-22-1	3.5	U	08/16/17	3.4	4.00	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-22-2	7.0	S	08/16/17	4259	NS	NS	NS	0.033	0.24	<0.025	0.090	0.13	0.269	0.244	0.35-0.375	NS			
G-23-1	3.5	U	08/16/17	2.3	3.65	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-23-2	7.0	S	08/16/17	2258	NS	NS	NS	1.59	13	<0.25	7.2	17.4	45	15.4	62	NS			
G-24-1	3.5	U	08/16/17	4.2	NOT SAMPLED												0		
G-24-2	8.0	S	08/16/17	2.5	NOT SAMPLED														
<b>Groundwater RCL</b>					27	-	-	0.0051	1.57	0.027	0.6582	1.1072	1.3787			3.96	-		
<b>Non-Industrial Direct Contact RCL</b>					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL 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.2 Soil Analytical Results Table  
Sandy's Service (former) BRRTS #03-16-286908

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 (ppb)	DIRECT CONTACT (PVOC, PAH & Lead)		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
MW-2-1	3.5	S	02/28/18	1.9	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
MW-2-2	6.0	S	02/28/18	1155	NS	NS	NS	0.77	0.40	<0.025	0.199	1.69	0.50	0.18	1.58	NS			
MW-2-3	12.0	S	02/28/18	1900	NOT SAMPLED														
MW-3-1	3.5	S	02/28/18	44	NS	NS	NS	0.184	0.0254	<0.025	0.042	<0.025	0.157	0.050	0.583	NS	0	0.0033	1.3E-07
MW-3-2	8.0	S	02/28/18	53	NOT SAMPLED														
MW-3-3	12.0	S	02/28/18	29	NOT SAMPLED														
MW-4-1	0.5	S	02/28/18	2.2	NOT SAMPLED														
MW-4-2	8.0	S	02/28/18	2.3	NOT SAMPLED														
MW-4-3	12.0	S	02/28/18	2.7	NOT SAMPLED														
MW-5-1	3.5	U	02/28/18	1.40	NOT SAMPLED														
MW-5-2	8.0	S	02/28/18	3.20	NOT SAMPLED														
MW-5-3	12.0	S	02/28/18	2.30	NOT SAMPLED														
MW-6-1	3.5	U	02/28/18	2.20	NOT SAMPLED														
MW-6-2	8.0	S	02/28/18	2.40	NOT SAMPLED														
MW-6-3	12.0	S	02/28/18	2.90	NOT SAMPLED														
MW-7-1	3.5	U	02/28/18	2.40	NOT SAMPLED														
MW-7-2	8.0	S	02/28/18	2.50	NOT SAMPLED														
MW-7-3	12.0	S	02/28/18	2.80	NOT SAMPLED														
MW-1-1	3.5	U	03/01/18	5000	NS	NS	NS	6.0	47	<0.25	64	48	360	114	358	NS	5	2.1759	2.1E-05
MW-1-2	7.0	S	03/01/18	5000	NS	2260	3700	25	62	<1.25	45	250	166	57	342	NS			
MW-1-3	12.0	S	03/01/18	1806	NS	NS	NS	0.94	0.25	<0.025	0.061	1.93	0.215	0.074	1.18	NS			
DRUM COMPOSITE			03/01/18	NM	NS	243	466	1.75	5.7	<0.025	3.6	20.3	16.3	5.4	32	TCLP LEAD <0.1			
G-25-1	3.5	U	04/05/19	480	NOT SAMPLED														
G-25-2	8	S	04/05/19	1463	NOT SAMPLED														
EX-1	3	U	04/23/19	0	1.57	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.3E-08
EX-2	3	U	04/23/19	0	1.44	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.3E-08
EX-3	7	S	04/23/19	70	1.45	NS	NS	<0.025	0.181	<0.025	0.083	0.281	0.43	0.141	0.94	NS			
EX-4	7	S	04/23/19	370	1.19	NS	NS	24	195	<1.25	69	289	650	202	1270	NS			
EX-5	3	U	04/23/19	0	1.36	NS	NS	<0.025	0.033	<0.025	<0.025	0.067	0.087	0.034	0.224	NS	0	0.001	2.4E-08
EX-6	7	S	04/23/19	260	1.37	NS	NS	69	280	<1.25	105	1280	850	240	1840	NS			
EX-7	7	S	04/23/19	330	1.53	NS	NS	45	140	<1.25	71	450	540	178	841	NS			
EX-8	3	U	04/23/19	0	1.48	NS	NS	<0.025	<0.025	<0.025	0.36	0.094	0.038	<0.025	0.114	NS	0	0.0008	2.5E-08
EX-9	7	S	04/23/19	275	1.33	NS	NS	2.46	17.2	<1.25	46	4.0	77	36	57.5	NS			
EX-10	3	U	04/23/19	0	1.02	NS	NS	<0.025	<0.025	<0.025	<0.025	0.04	<0.025	<0.025	0.037-0.087	NS	0	0.0006	2.4E-08
EX-11	7	S	04/23/19	390	1.28	NS	NS	5.2	21.1	<1.25	49	17.4	89	40	69.1	NS			
EX-12	3	U	04/23/19	0	1.13	NS	NS	<0.025	<0.025	<0.025	<0.025	0.044	0.0313	<0.025	0.099	NS	0	0.0007	2.4E-08
EX-13	7	S	04/23/19	420	1.33	NS	NS	1.96	0.39	<0.025	0.139	4.1	0.47	0.129	2.26	NS			
EX-14	2	S	04/24/19	0	1.23	NS	NS	<0.025	<0.025	<0.025	<0.025	0.041	<0.025	<0.025	<0.075	NS	0	0.0006	2.4E-08
EX-15	2	S	04/24/19	0	1.32	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.4E-08
EX-16	2	S	04/24/19	0	1.54	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.4E-08
EX-17	2	S	04/24/19	0	1.24	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.4E-08
EX-18	2	S	04/24/19	0	1.41	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.4E-08
G-26-1	3.5	U	06/03/19	0	3.05	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.4E-08
G-26-2	6	S	06/03/19	641.4	5.47	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-27-1	3.5	U	06/03/19	9.9	3.42	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	2.4E-08
G-27-2	6	S	06/03/19	10.1	6.80	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-8-1	3.5	S	06/03/19	1.6	NOT SAMPLED														
MW-8-2	8	S	06/03/19	0.3	NOT SAMPLED														
MW-8-3	12	S	06/03/19	0.8	NOT SAMPLED														
MW-1R					BLIND DRILLED														
Groundwater RCL					27	-	-	0.0051	1.57	0.027	0.6582	1.1072	1.3787			3.96	-		
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05

**Bold = Groundwater RCL Exceedance**

**Bold & Underline = Non Industrial Direct Contact RCL 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.2 Soil Analytical Results Table  
(PAH)  
Sandy's Service (former) BRRTS #03-16-286908

Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,i) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naphthalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	DIRECT CONTACT (PVOC, PAH & Lead)		
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk
G-1-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	0.0139	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	0.016	<0.0179	<0.0114	0.126	0.211	0.229	0.0195	0.0194	0	0.649	2.2E-07
G-1-2	7.0	S	08/15/17	0.303	0.173	<0.0545	<0.058	<0.0565	<0.065	<0.057	<0.0735	<0.0605	<0.039	<0.0735	0.72	<0.057	13.6	23.2	17.5	1.47	0.079			
G-2-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	0.115	0.138	0.121	0.0132	<0.0153	0	0.0013	2.8E-08
G-3-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	0.0183	<0.0153	<0.0111	<0.0153	0	0.146	
G-4-1	3.5	U	08/15/17	0.59	0.48	<0.0545	<0.058	<0.0565	<0.065	<0.057	<0.0735	<0.0605	<0.039	0.074	2.29	<0.057	23.4	28.5	9.7	2.09	0.117	3	0.4548	5.3E-06
G-13-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
G-14-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
G-16-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0	0.0005	0.00E+00
G-17-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
G-18-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
G-21-1	3.5	U	08/15/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
G-22-1	3.5	U	08/16/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
G-23-1	3.5	U	08/16/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0		
<b>Groundwater RCL</b>				---	---	197	---	0.47	0.4793	---	---	0.145	---	88.8	14.8	---	---	---	0.6582	---	54.5			
<b>Non-Industrial Direct Contact RCL</b>				3590	---	17900	1.140	0.1150	1.150	---	11.50	115	0.1150	2390	2390	1.150	17.6	239	5.52	---	1790		1.00E+00	1.00E-05

**Bold = Groundwater RCL Exceedance**

**Bold & Underline = Non Industrial Direct Contact RCL Exceedance**

NS = Not Sampled

NM = Not Measured

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

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

(ppm) = parts per million

ND = No Detects

PAH = Polynuclear Aromatic Hydrocarbons

PID = Photoionization Detector

VOC's = Volatile Organic Compounds

DO NOT BOLD IF OVER 4" AND THERE IS NO GW RCL - HAS TO BE OVER THE NON-INDUSTRIAL RCL # TO BE BOLDED

A.2 Soil Analytical Results Table  
Sandy's Service (former) BRRTS #03-16-286908

Sampling Conducted on August 15, 2017

VOC's	Sample ID#	Sample Depth/ft.	G-1-2	7	Bold = Groundwater RCL	Underline & Bold = Non- Industrial Direct Contact RCL
<b>Solids Percent</b>						
Lead/ppm				7.95	27	400
Benzene/ppm				40	0.0051	1.6
Bromobenzene/ppm				< 1.25	==	342
Bromodichloromethane/ppm				< 3.7	0.0003	0.418
Bromoform/ppm				< 1.45	0.0023	25.4
tert-Butylbenzene/ppm				< 1.3	==	183
sec-Butylbenzene/ppm				8.2	==	145
n-Butylbenzene/ppm				35	==	108
Carbon Tetrachloride/ppm				< 0.8	0.0039	0.916
Chlorobenzene/ppm				< 0.65	==	370
Chloroethane/ppm				< 4.55	0.2266	==
Chloroform/ppm				< 1.75	0.0033	0.454
Chloromethane/ppm				< 3.8	0.0155	159
2-Chlorotoluene/ppm				< 0.75	==	907
4-Chlorotoluene/ppm				< 0.9	==	253
1,2-Dibromo-3-chloropropane/ppm				< 2.9	0.0002	0.008
Dibromochloromethane/ppm				< 1.25	0.032	8.28
1,4-Dichlorobenzene/ppm				< 1.85	0.144	3.74
1,3-Dichlorobenzene/ppm				< 1.85	1.1528	297
1,2-Dichlorobenzene/ppm				< 1.4	1.168	376
Dichlorodifluoromethane/ppm				< 2.4	3.0863	126
1,2-Dichloroethane/ppm				< 1.9	0.0028	0.652
1,1-Dichloroethane/ppm				< 1.7	0.4834	5.06
1,1-Dichloroethene/ppm				< 1.1	0.005	320
cis-1,2-Dichloroethene/ppm				< 1.6	0.0412	156
trans-1,2-Dichloroethene/ppm				< 1.4	0.0626	1560
1,2-Dichloropropane/ppm				< 1.75	0.0033	3.4
1,3-Dichloropropane/ppm				< 1.25	==	1490
trans-1,3-Dichloropropene/ppm				< 1.1	0.003	1510
cis-1,3-Dichloropropene/ppm				< 1.95	==	1210
Di-isopropyl ether/ppm				< 0.5	==	2260
EDB (1,2-Dibromoethane)/ppm				< 1.15	0.0000282	0.05
Ethylbenzene/ppm				135	1.57	8.02
Hexachlorobutadiene/ppm				< 4.25	==	1.63
Isopropylbenzene/ppm				12.2	==	==
p-Isopropyltoluene/ppm				2.79 "J"	==	162
Methylene chloride/ppm				< 7.5	0.0026	61.8
Methyl tert-butyl ether (MTBE)/ppm				< 2.5	0.027	63.8
Naphthalene/ppm				55	0.6582	5.52
n-Propylbenzene/ppm				49	==	==
1,1,2,2-Tetrachloroethane/ppm				< 1.4	0.0002	0.81
1,1,1,2-Tetrachloroethane/ppm				< 1.4	0.0534	2.78
Tetrachloroethene (PCE)/ppm				< 1.6	0.0045	33
Toluene/ppm				540	1.1072	818
1,2,4-Trichlorobenzene/ppm				< 3.2	0.408	24
1,2,3-Trichlorobenzene/ppm				< 3.3	==	62.6
1,1,1-Trichloroethane/ppm				< 1.5	0.1402	640
1,1,2-Trichloroethane/ppm				< 1.65	0.0032	1.59
Trichloroethene (TCE)/ppm				< 2.05	0.0036	1.3
Trichlorofluoromethane/ppm				< 2.05	4.4775	1230
1,2,4-Trimethylbenzene/ppm				370	1.3787	219
1,3,5-Trimethylbenzene/ppm				111	==	182
Vinyl Chloride/ppm				< 0.95	0.0001	0.067
m&p-Xylene/ppm				600	3.96	260
o-Xylene/ppm				267		

NS = not sampled, NM = Not Measured

(ppm) = parts per million

== No Exceedences

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

Note: Non-Industrial RCLs apply to this site.

A.3 Residual Soil Analytical Results Table  
Sandy's Service (former) BRRTS #03-16-286908

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 (ppb)	DIRECT CONTACT (PVOC, PAH & Lead)				
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk		
G-4-2	7.0	S	08/15/17	5000+	NS	NS	NS	<b>4.0</b>	<b>24.7</b>	<0.5	<b>28.9</b>	<b>5.5</b>	<b>85</b>	<b>36</b>	<b>88</b>	NS					
G-5-2	6.5	S	08/15/17	496	NS	NS	NS	<b>1.11</b>	0.24	<0.025	0.099	0.216	0.33	0.098	0.541						
G-17-2	7.0	S	08/15/17	5000+	NS	NS	NS	<b>6.4</b>	<b>20.4</b>	<0.25	<b>21.1</b>	<b>7.9</b>	<b>60</b>	<b>22.4</b>	<b>90.7</b>	NS					
G-18-2	7.0	S	08/15/17	2437	NS	NS	NS	<b>2.14</b>	<b>18.8</b>	<1.25	<b>57</b>	<b>3.1</b>	<b>80</b>	<b>36</b>	<b>60</b>	NS					
G-22-2	7.0	S	08/16/17	4259	NS	NS	NS	<b>0.033</b>	0.24	<0.025	0.090	0.13	0.269	0.244	0.35-0.375	NS					
G-23-2	7.0	S	08/16/17	2258	NS	NS	NS	<b>1.59</b>	<b>13</b>	<0.25	<b>7.2</b>	<b>17.4</b>	<b>45</b>	<b>15.4</b>	<b>62</b>	NS					
MW-2-2	6.0	S	02/28/18	1155	NS	NS	NS	<b>0.77</b>	0.40	<0.025	0.199	<b>1.69</b>	0.50	0.18	1.58	NS					
MW-3-1	3.5	S	02/28/18	44	NS	NS	NS	<b>0.184</b>	0.0254	<0.025	0.042	<0.025	0.157	0.050	0.583	NS	0	0.0033	1.3E-07		
MW-1-3	12.0	S	03/01/18	1806	NS	NS	NS	<b>0.94</b>	0.25	<0.025	0.061	<b>1.93</b>	0.215	0.074	1.18	NS					
EX-4	7	S	04/23/19	370	1.19	NS	NS	<b>24</b>	<b>195</b>	<1.25	<b>69</b>	<b>289</b>	<b>650</b>	<b>202</b>	<b>1270</b>	NS					
EX-6	7	S	04/23/19	260	1.37	NS	NS	<b>69</b>	<b>280</b>	<1.25	<b>105</b>	<b>1280</b>	<b>850</b>	<b>240</b>	<b>1840</b>	NS					
EX-7	7	S	04/23/19	330	1.53	NS	NS	<b>45</b>	<b>140</b>	<1.25	<b>71</b>	<b>450</b>	<b>540</b>	<b>178</b>	<b>841</b>	NS					
EX-9	7	S	04/23/19	275	1.33	NS	NS	<b>2.46</b>	<b>17.2</b>	<1.25	<b>46</b>	<b>4.0</b>	<b>77</b>	<b>36</b>	<b>57.5</b>	NS					
EX-11	7	S	04/23/19	390	1.28	NS	NS	<b>5.2</b>	<b>21.1</b>	<1.25	<b>49</b>	<b>17.4</b>	<b>89</b>	<b>40</b>	<b>69.1</b>	NS					
EX-13	7	S	04/23/19	420	1.33	NS	NS	<b>1.96</b>	0.39	<0.025	0.139	<b>4.1</b>	0.47	0.129	2.26	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

**Bold = Groundwater RCL Exceedance**

**Bold & Underline = Non Industrial Direct Contact RCL Exceedance**

NS = Not Sampled  
(ppm) = parts per million

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.4 Vapor Analytical Table

Sub-Slab Sampling Data Table for Sandy's Service (Former)

BY METCO

Sub-Slab Sampling conducted	Conducted on:			WDNR	WDNR	
	12/30/2019	12/30/2019	12/30/2019	Small Commercial Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017	Residential Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017	
Sample ID	SS-1	SS-2	SS-3	(ug/m <sup>3</sup> )	(ug/m <sup>3</sup> )	
Benzene – ug/m <sup>3</sup>	<0.48	1.0	<0.47	530	120	c
Carbon Tetrachloride – ug/m <sup>3</sup>	NS	NS	NS	670	160	c
Chloroform – ug/m <sup>3</sup>	NS	NS	NS	180	40	c
Chloromethane – ug/m <sup>3</sup>	NS	NS	NS	13000	3100	n
Dichlorodifluoromethane – ug/m <sup>3</sup>	NS	NS	NS	15000	3300	n
1,1-Dichloroethane (1,1-DCA) – ug/m <sup>3</sup>	NS	NS	NS	2600	600	c
1,2-Dichloroethane (1,2-DCA) - ug/m <sup>3</sup>	NS	NS	NS	160	37	c
1,1-Dichloroethylene (1,1-DCE) – ug/m <sup>3</sup>	NS	NS	NS	29000	7000	n
1,2-Dichloroethylene (cis and trans) - ug/m <sup>3</sup>	NS	NS	NS	NA	NA	-
Ethylbenzene – ug/m <sup>3</sup>	<1.3	1.6	2.0	1600	370	c
Methylene chloride – ug/m <sup>3</sup>	NS	NS	NS	87000	21000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m <sup>3</sup>	<5.5	<5.3	<5.3	16000	3700	c
Naphthalene – ug/m <sup>3</sup>	<4.0	50.6	<3.8	120	28	c
Tetrachloroethylene -ug/m <sup>3</sup>	NS	NS	NS	6000	1400	n
Toluene – ug/m <sup>3</sup>	2.2	4.6	1.5	730000	170000	n
1,1,1-Trichloroethane – ug/m <sup>3</sup>	NS	NS	NS	730000	170000	n
Trichloroethylene – ug/m <sup>3</sup>	NS	NS	NS	290	70	n
Trichlorofluoromethane (Halcarbon 11) – ug/m <sup>3</sup>	NS	NS	NS	NA	NA	-
Trimethylbenzene (1,2,4) – ug/m <sup>3</sup>	2.1	23.9	<1.4	8700	2100	n
Trimethylbenzene (1,3,5) – ug/m <sup>3</sup>	<1.5	5.3	<1.4	8700	2100	n
Vinyl chloride – ug/m <sup>3</sup>	NS	NS	NS	930	57	c
Xylene (total) -ug/m <sup>3</sup>	2.7 - 4.0	9.3	<3.8	15000	3300	n

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

< = Less than the reporting limit indicated in parentheses.

**Bold = Sub-Slab Standard Exceedance**

NS = Not sampled

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.6 Water Level Elevations**  
**Sandy's Service (former) BRRTS #03-16-286908**  
**Dairyland, Wisconsin**

	MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
Ground Surface (feet msl)	1065.72	1065.40	1061.20	1059.45	1059.77	1065.71	1065.62	1065.83	1060.32
PVC top (feet msl)	1065.29	1065.03	1060.75	1059.13	1059.31	1065.28	1065.22	1065.45	1060.01
Well Depth (feet)	14.00	13.00	12.00	12.00	12.00	14.00	14.00	13.50	13.00
Top of screen (feet msl)	1061.72	1062.40	1059.20	1057.45	1057.77	1061.71	1061.62	1062.33	1057.32
Bottom of screen (feet msl)	1051.72	1052.40	1049.20	1047.45	1047.77	1051.71	1051.62	1052.33	1047.32

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

05/09/18	4.13	NI	0.30	CNM	CNM	4.09	4.72	3.94	NI
08/06/18	5.12	NI	1.06	-0.14	0.00	5.00	5.54	5.35	NI
07/10/19	A	3.72	-0.22	-0.31	-0.45	4.03	4.73	3.99	0.31
10/03/19	A	3.16	-0.20	CNM	CNM	3.62	4.18	3.66	-0.10
12/30/19	A	3.39	-0.34	CNM	CNM	3.49	4.04	3.56	-0.20

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

05/09/18	4.56	NI	0.75	CNM	CNM	4.52	5.12	4.32	NI
08/06/18	5.55	NI	1.51	0.18	0.46	5.43	5.94	5.73	NI
07/10/19	A	4.09	0.23	0.01	0.01	4.46	5.13	4.37	0.62
10/03/19	A	3.53	0.25	CNM	CNM	4.05	4.58	4.04	0.21
12/30/19	A	3.76	0.11	CNM	CNM	3.92	4.44	3.94	0.11

**Groundwater Elevation (feet msl)**

05/09/18	1061.16	NI	1060.45	CNM	CNM	1061.19	1060.50	1061.51	NI
08/06/18	1060.17	NI	1059.69	1059.27	1059.31	1060.28	1059.68	1060.10	NI
07/10/19	A	1061.31	1060.97	1059.44	1059.76	1061.25	1060.49	1061.46	1059.70
10/03/19	A	1061.87	1060.95	CNM	CNM	1061.66	1061.04	1061.79	1060.11
12/30/19	A	1061.64	1061.09	CNM	CNM	1061.79	1061.18	1061.89	1060.21

CNM = Could Not Measure - Water level above ground surface  
A = Abandoned and removed during soil excavation project  
NI = Not Installed

A.7 Other

Groundwater NA Indicator Results

Sandy's Service (former) BRRTS #03-16-286908

Well MW-1/MW-1R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	0.77	6.89	4.0	9.0	413.5	<0.36	15.1	14.2	1690
08/06/18	0.98	7.41	-89.0	17.5	393.7	NS	NS	NS	NS
04/23/19	WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT								
06/03/19	MW-1 REPLACED WITH MW-1R								
07/10/19	1.04	6.88	88.2	20.06	634.0	NS	NS	NS	NS
10/03/19	0.22	7.23	44.8	16.79	820.0	NS	NS	NS	NS
12/30/19	2.06	6.90	60.6	5.63	913.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	125	0.15	60

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	0.88	7.37	-59	9.5	412.1	<0.3.6	7.91	2.57	738
08/06/18	1.17	7.87	-46.0	17.7	330.2	NS	NS	NS	NS
07/10/19	1.59	7.67	11.7	20.59	840.0	NS	NS	NS	NS
10/03/19	0.11	7.27	114.5	13.97	510.0	NS	NS	NS	NS
12/30/19	2.04	6.88	-80.3	6.36	578.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	125	0.15	60

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	1.37	7.42	58.0	7.6	419.2	<0.36	5.02	2.69	487
08/06/18	1.19	8.02	-10.0	15.9	306.8	NS	NS	NS	NS
07/10/19	1.20	6.96	-138.4	9.02	564.0	NS	NS	NS	NS
10/03/19	0.07	7.27	118.0	12.31	590.0	NS	NS	NS	NS
12/30/19	1.89	6.89	-87.3	7.82	629.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	125	0.15	60

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

**A.7 Other**

**Groundwater NA Indicator Results**

Sandy's Service (former) BRRTS #03-16-286908

**Well MW-4**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	1.39	7.09	87.0	7.0	398.1	<0.36	7.26	2.03	733
08/06/18	1.50	7.73	112.0	19.4	312.1	NS	NS	NS	NS
07/10/19	1.17	6.90	-105.8	9.65	539.0	NS	NS	NS	NS
10/03/19	0.33	7.01	-39.1	12.37	600.0	NS	NS	NS	NS
12/30/19	1.99	6.62	-58.0	7.34	665.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES - Bold</b>						<b>10</b>	<b>250</b>	<b>0.3</b>	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	<b>125</b>	<b>0.15</b>	<b>60</b>

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

**Well MW-5**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	4.80	6.93	216.0	8.9	1802.0	<0.36	24.7	0.27	224
08/06/18	1.56	7.40	-49.0	18.7	175.8	NS	NS	NS	NS
07/10/19	3.25	6.04	253.7	15.73	195.0	NS	NS	NS	NS
10/03/19	1.33	6.57	155.0	15.89	200.0	NS	NS	NS	NS
12/30/19	2.41	6.39	115.7	6.56	322.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES - Bold</b>						<b>10</b>	<b>250</b>	<b>0.3</b>	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	<b>125</b>	<b>0.15</b>	<b>60</b>

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

**Well MW-6**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	2.94	7.07	182.0	6.4	673	<0.36	9.74	0.21	933
08/06/18	1.25	7.43	-13.0	17.8	557.0	NS	NS	NS	NS
07/10/19	2.07	6.11	228.7	15.91	1056.0	NS	NS	NS	NS
10/03/19	2.13	6.56	216.7	15.16	854.0	NS	NS	NS	NS
12/30/19	6.27	6.47	163.4	4.68	706.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES - Bold</b>						<b>10</b>	<b>250</b>	<b>0.3</b>	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	<b>125</b>	<b>0.15</b>	<b>60</b>

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

A.7 Other

Groundwater NA Indicator Results

Sandy's Service (former) BRRTS #03-16-286908

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	8.55	6.17	190.0	7.6	104.4	0.43	17.8	<0.03	110
08/06/18	3.98	7.62	117.0	17.7	139.2	NS	NS	NS	NS
07/10/19	4.14	6.24	242.9	18.24	116.0	NS	NS	NS	NS
10/03/19	4.10	6.89	217.7	15.40	183.0	NS	NS	NS	NS
12/30/19	8.93	7.84	121.5	4.98	73.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	125	0.15	60

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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

Well MW-8

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
07/10/19	0.99	7.15	-59.0	21.71	588.0	NS	NS	NS	NS
10/03/19	2.83	7.56	-144.2	13.10	579.0	NS	NS	NS	NS
12/30/19	3.11	7.29	-95.2	5.69	648.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	125	0.15	60

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

NS = not sampled

NM = not measured

ORP = Oxidation Reduction Potential

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



**A.7 Other**

**Hydraulic Conductivity Calculations**

**Sandy's Service (former) BRRTS #03-16-286908**

**MW-1**

	<b>ft/s</b>	<b>ft/year</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	1.17E-06	3.69E+01	3.57E-05	11.2462
	<b>sq ft/s</b>	<b>sq cm/s</b>		
<b>T</b>	1.45E-05	1.35E-02		

**MW-2**

	<b>ft/s</b>	<b>ft/year</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	8.88E-06	2.80E+02	2.71E-04	85.3561
	<b>sq ft/s</b>	<b>sq cm/s</b>		
<b>T</b>	9.32E-05	8.66E-02		

**MW-5**

	<b>ft/s</b>	<b>ft/year</b>	<b>cm/s</b>	<b>m/yr</b>
<b>K</b>	2.69E-05	8.48E+02	8.20E-04	258.5674
	<b>sq ft/s</b>	<b>sq cm/s</b>		
<b>T</b>	2.31E-04	2.15E-01		

<b>Date</b>	<b>Elv. (High)</b>	<b>Elv. (Low)</b>	<b>Distance (ft)</b>	<b>Hyd Grad (I)</b>
5/9/2018	1061.50	1060.50	114.2	8.76E-03
8/6/2018	1060.25	1059.00	198.2	6.31E-03
7/10/2019	1061.00	1059.00	150.2	1.33E-02
10/3/2019	1061.50	1060.50	127	7.87E-03
12/30/2019	1061.50	1060.50	170	5.88E-03

<b>Average</b>	<b>8.43E-03</b>
----------------	-----------------

	<b>K (m/yr)</b>	<b>I</b>	<b>Porosity (n)</b>	<b>Flow Velocity(m/yr)</b>
<b>MW-1</b>	11.2462	8.43E-03	0.3	0.3159
<b>MW-2</b>	85.3561	8.43E-03	0.3	2.3977
<b>MW-5</b>	258.5674	8.43E-03	0.3	7.2632
			<b>Average</b>	<b>3.3256</b>

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

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

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

#### **B.1.b.1 Detailed Site Map (property boundary)**

#### **B.1.b.2 Detailed Site Map**

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

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

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

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

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

#### **B.3.a.1 Geologic Cross Section Map**

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

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

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

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

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

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

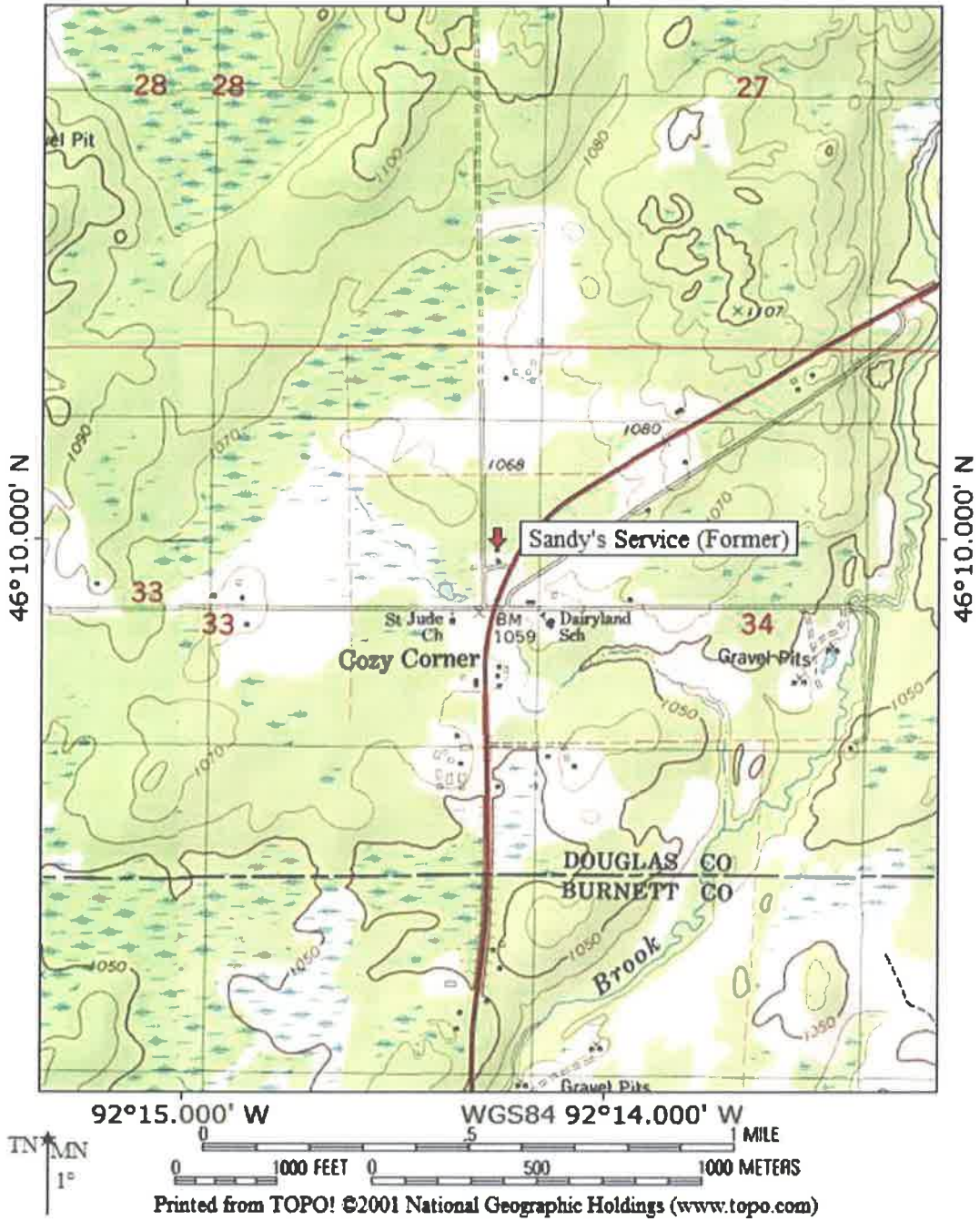
#### **B.4.a Vapor Intrusion Map**

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

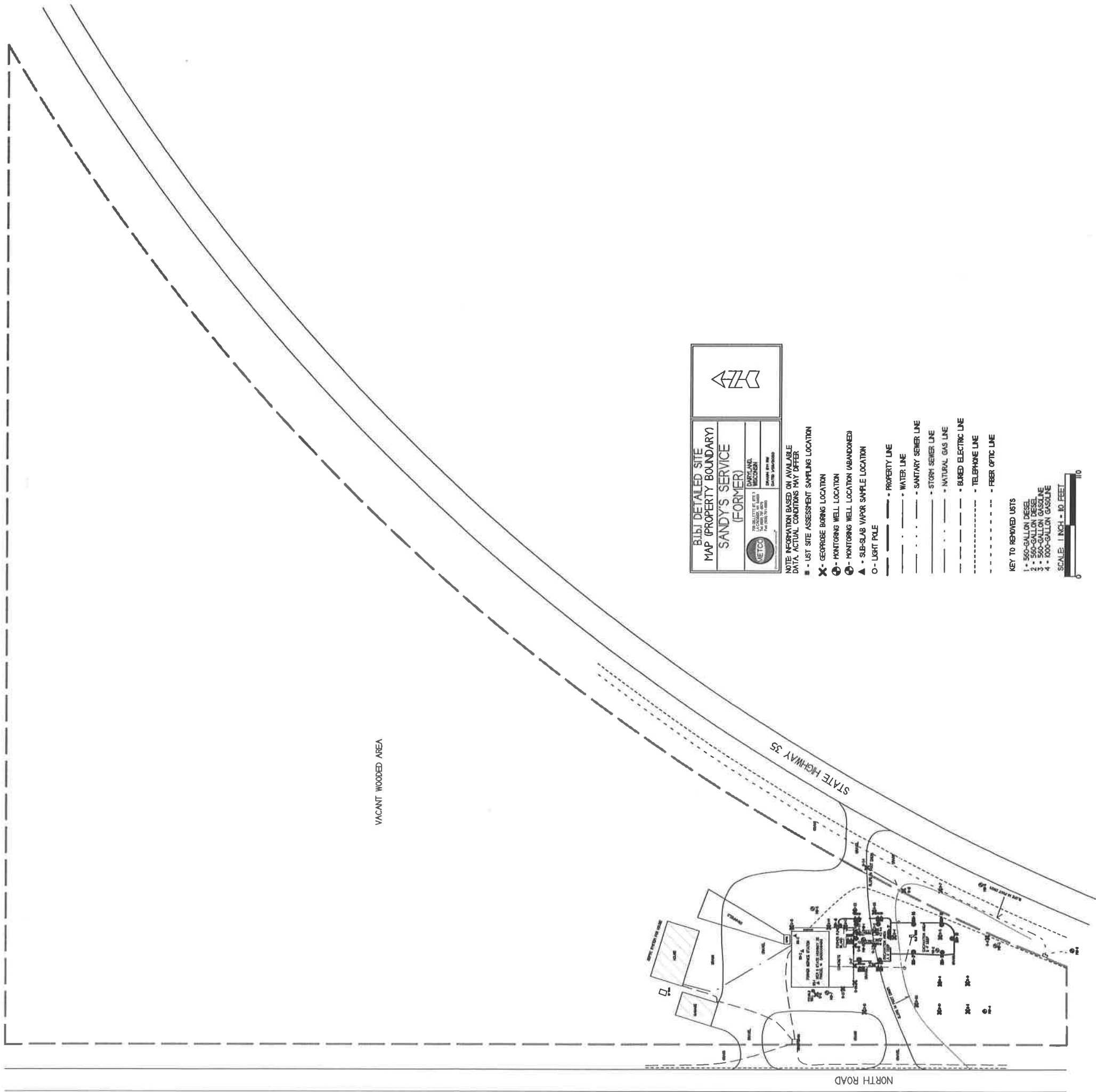
B.4.c Other – Not applicable.

### **B.5 Structural Impediment Photos**

TOPO! map printed on 07/12/17 from "Wisconsin.tpo" and "Untitled.tpg"  
92°15.000' W WGS84 92°14.000' W



<b>B.1.a LOCATION MAP</b>
<b>CONTOUR INTERVAL 10 FEET</b>
<b>SANDY'S SERVICE (FORMER) – DAIRYLAND, WI</b>
<b>SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM</b>



**BIBI DETAILED SITE MAP (PROPERTY BOUNDARY)**  
**SANDY'S SERVICE (FORMER)**  
 CHARLANT, MICHIGAN  
 PREPARED BY: [Logo]  
 DATE: [Date]

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

- - UST SITE ASSESSMENT SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- - MONITORING WELL LOCATION
- ⊖ - MONITORING WELL LOCATION (ABANDONED)
- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- - LIGHT POLE
- - PROPERTY LINE
- - WATER LINE
- - - - - SANITARY SEWER LINE
- - - - - STORM SEWER LINE
- - - - - NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- - - - - TELEPHONE LINE
- - - - - FIBER OPTIC LINE

KEY TO REMOVED USTS  
 1 - 560-GALLON DIESEL  
 2 - 550-GALLON DIESEL  
 3 - 500-GALLON GASOLINE  
 4 - 1000-GALLON GASOLINE

SCALE: 1 INCH = 10 FEET

VACANT WOODED AREA

STATE HIGHWAY 35

NORTH ROAD



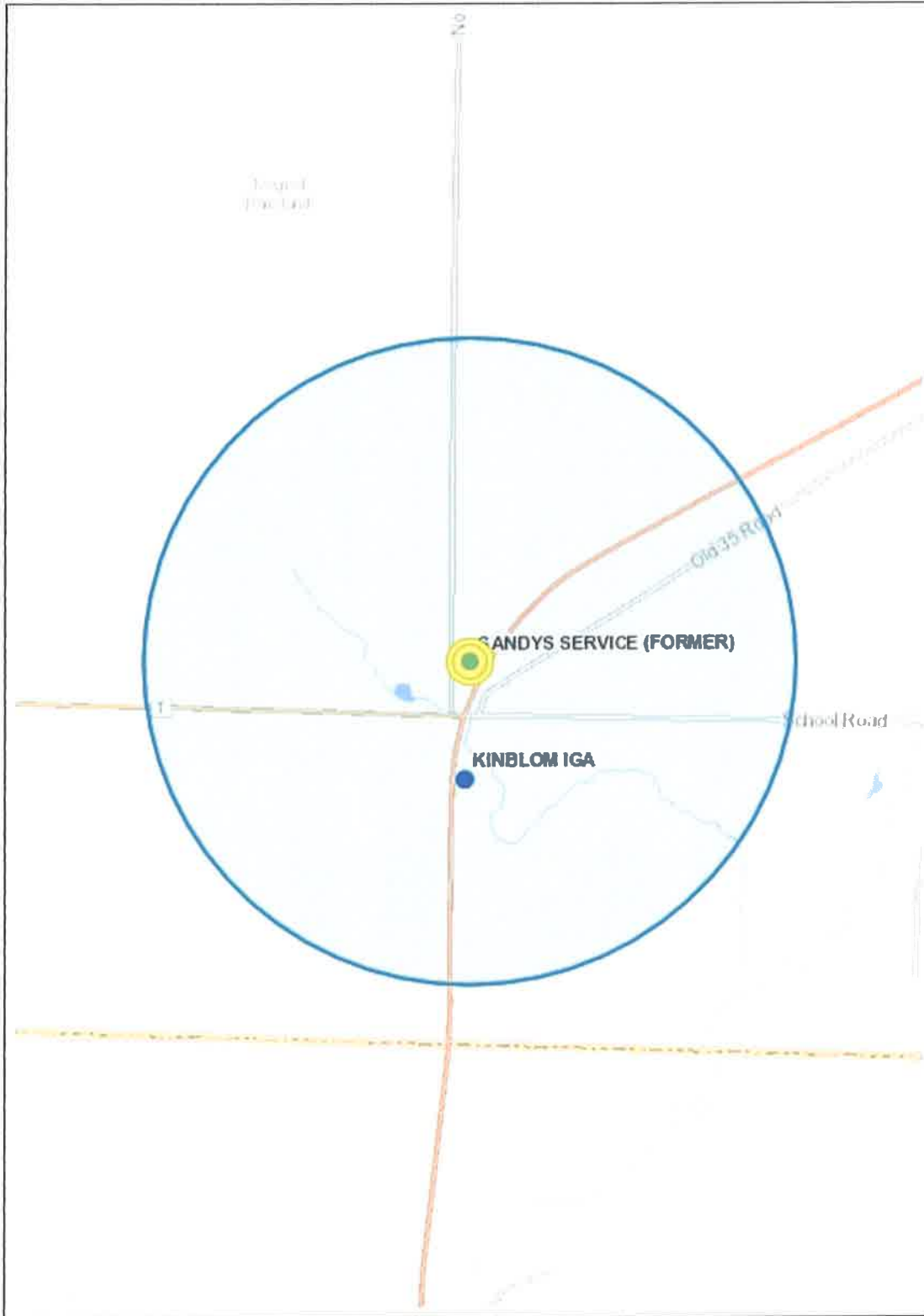


# B.1.c. RR Site Map



## Legend

- Open Site
- Closed Site
- Continuing Obligations Apply



0.3                      0                      0.3 Miles

1: 15,840



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/>

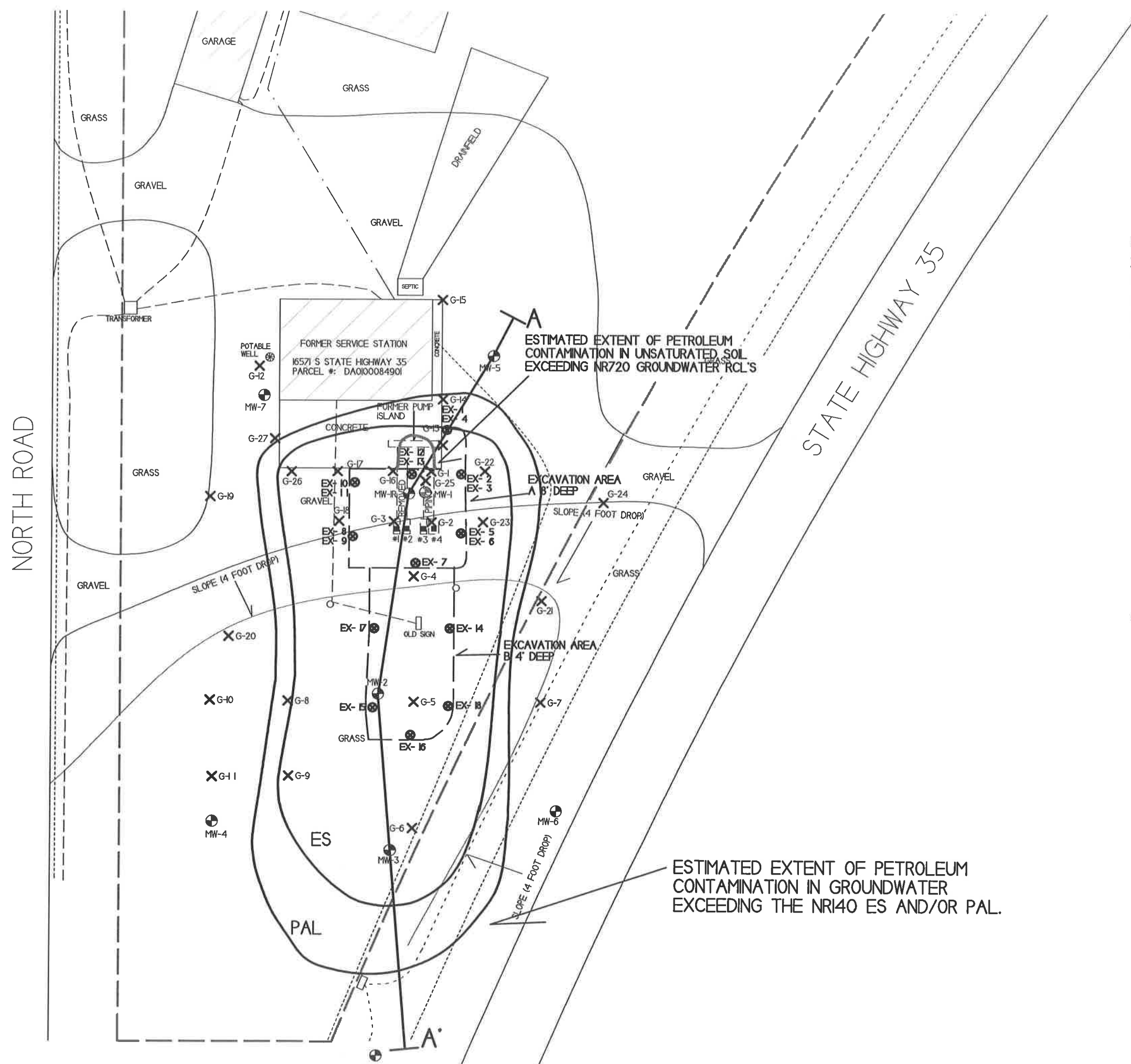
**Note:** Not all sites are mapped.

## Notes









NORTH ROAD

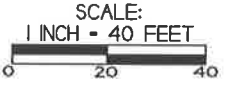
STATE HIGHWAY 35

B.3.a.1 GEOLOGIC CROSS SECTION MAP		
SANDY'S SERVICE (FORMER)		
	DARYLAND, WISCONSIN <small>709 GILLETTE ST. STE 3          LA CROSSE, WI 54603          Tel: (608) 781-4875          Fax: (608) 781-8953</small>	
DATE: 07/06/17		

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

- - UST SITE ASSESSMENT SAMPLING LOCATION
  - ✕ - GEOPROBE BORING LOCATION
  - ⊕ - MONITORING WELL LOCATION
  - ⊕ - MONITORING WELL LOCATION (ABANDONED)
  - ⊙ - EXCAVATION CONFIRMATION SAMPLE LOCATION
  - - LIGHT POLE
- - PROPERTY LINE
  - - - - - - WATER LINE
  - · — · — · - SANTARY SEWER LINE
  - - STORM SEWER LINE
  - - NATURAL GAS LINE
  - - BURIED ELECTRIC LINE
  - - - - - - TELEPHONE LINE
  - - - - - - FIBER OPTIC LINE

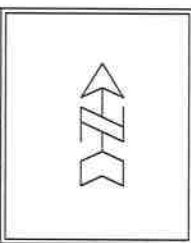
- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S

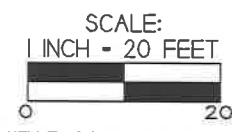
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.

B.3.a.2 GEOLOGIC CROSS SECTION MAP (CLOSE UP)  
**SANDY'S SERVICE (FORMER)**



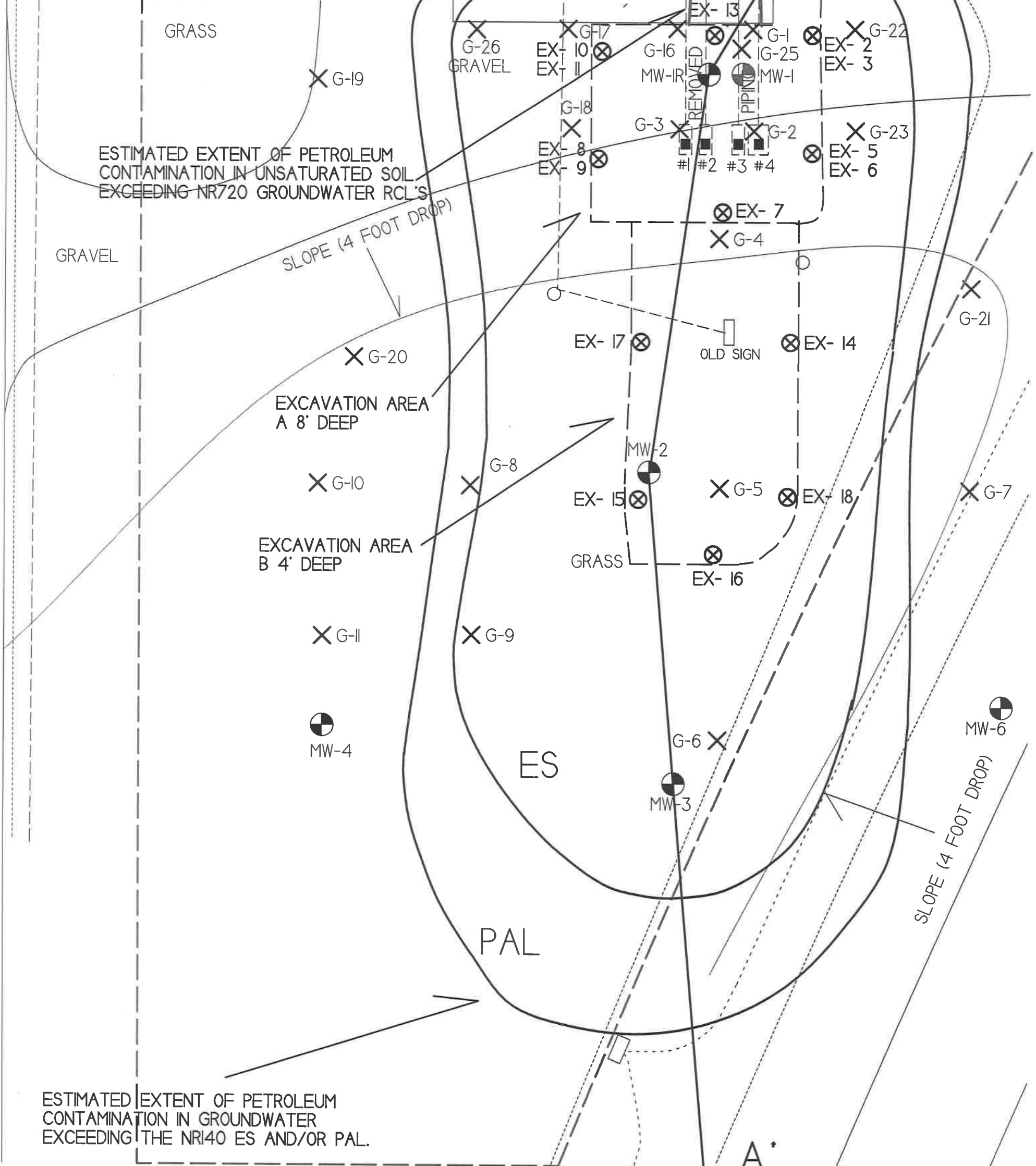
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - UST SITE ASSESSMENT SAMPLING LOCATION
- ⊗ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION (ABANDONED)
- ⊙ - MONITORING WELL LOCATION
- ⊗ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- - LIGHT POLE



- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE

- - - - - PROPERTY LINE
- - - - - WATER LINE
- - - - - SANTARY SEWER LINE
- - - - - STORM SEWER LINE
- - - - - NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- - - - - TELEPHONE LINE
- - - - - FIBER OPTIC LINE



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NRI40 ES AND/OR PAL.

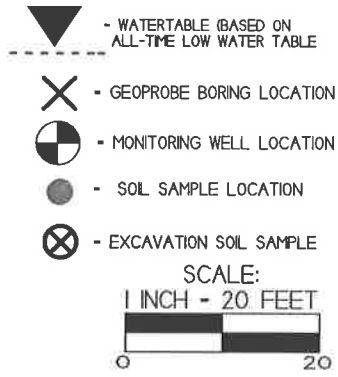
MW-8

**B.3.a.3 GEOLOGIC CROSS-SECTION**  
**SANDY'S SERVICE (FORMER)**

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

DAIRYLAND, WISCONSIN

DRAWN BY: MW 10/11/18

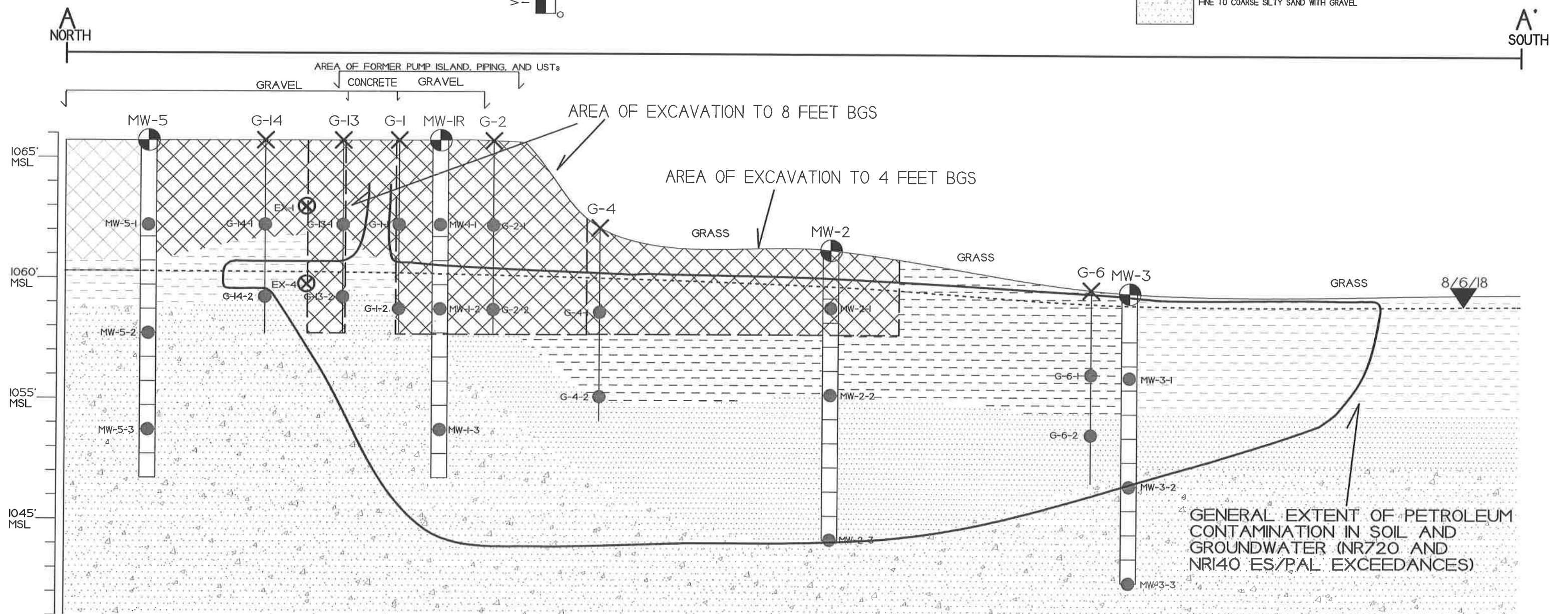
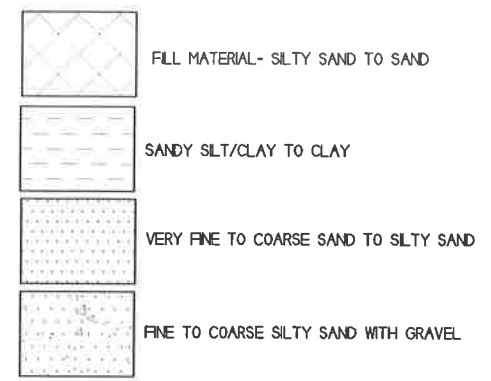


NOTE: GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE GROUNDWATER SAMPLING EVENT (12/30/2019)

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

GROUNDWATER FLOW IS TOWARD THE SOUTH.

- L - LEAD
- B - BENZENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE

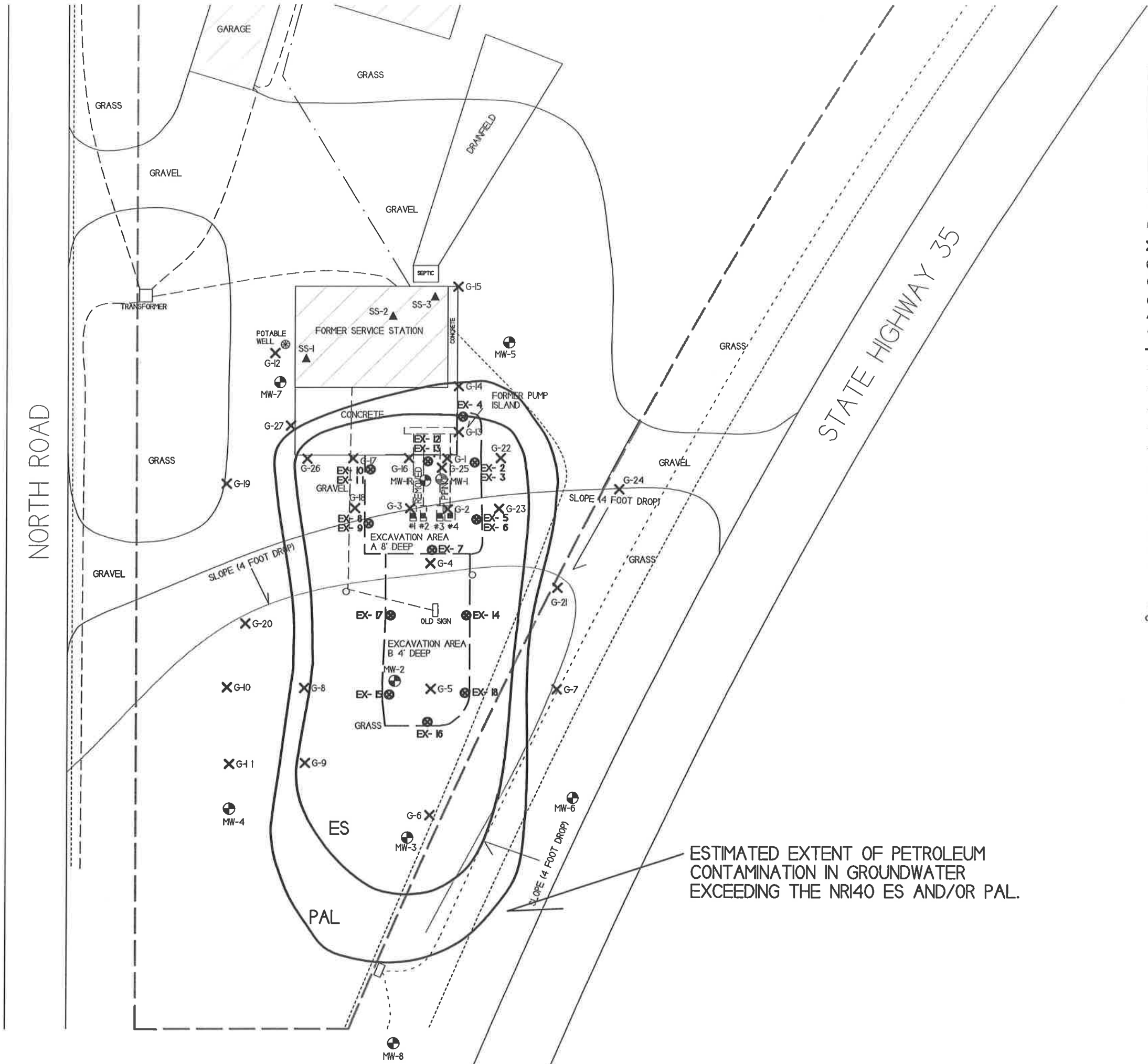


MW-5  
 <1.1 L  
 <0.48 B  
 <0.55 E  
 <0.71 TBE  
 <0.82 N  
 <0.62 T  
 <1.37 TMB  
 <2.04 X

MW-IR  
 <1.1 L  
 95 B  
 37 E  
 <0.71 MTBE  
 29.2 N  
 39 T  
 48.1 TMB  
 68.7 X

MW-2  
 <1.1 L  
 440 B  
 62 E  
 <0.71 MTBE  
 7.3 N  
 248 T  
 38.5 TMB  
 216 X

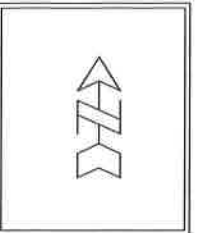
MW-3  
 <1.1 L  
 340 B  
 28.3 E  
 <7.1 MTBE  
 <18.5 N  
 15.5 T  
 81.0 TMB  
 445 X



B.3.b GROUNDWATER ISOCONCENTRATION (12/30/2019)  
 SANDY'S SERVICE (FORMER)

**METCO** 700 GILLETTE ST. STE 3 LA CROSSE, WI 54603  
 Tel: (608) 731-6075 Fax: (608) 731-6083

DARYLAND, WISCONSIN  
 DRAWN BY: RW  
 DATE: 1/28/2020



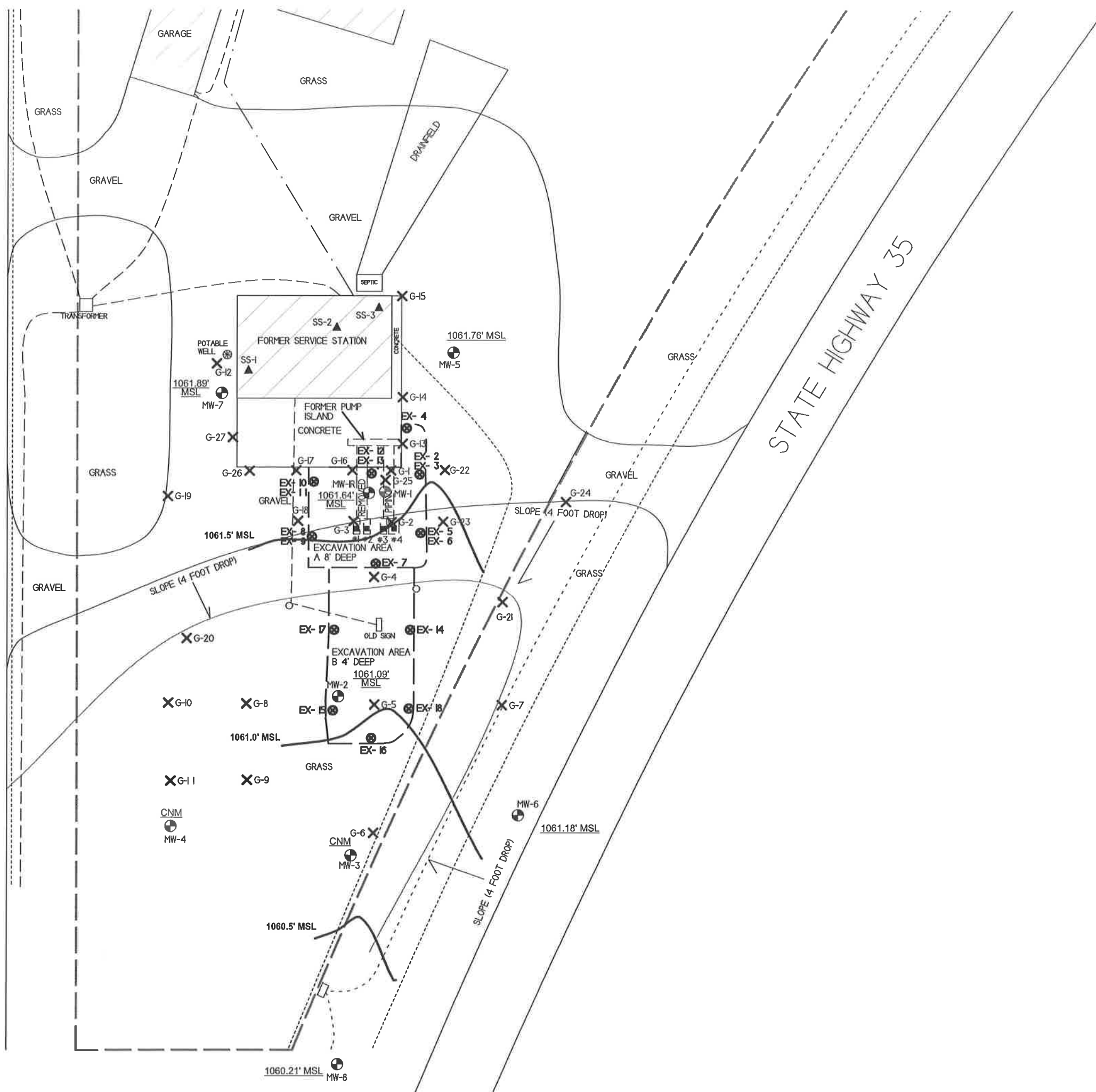
- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- - UST SITE ASSESSMENT SAMPLING LOCATION
  - ✕ - GEOPROBE BORING LOCATION
  - ⊕ - MONITORING WELL LOCATION
  - ⊕ - MONITORING WELL LOCATION (ABANDONED)
  - ⊗ - EXCAVATION CONFIRMATION SAMPLE LOCATION
  - ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
  - - LIGHT POLE
  - — — — — - PROPERTY LINE
  - — — — — - WATER LINE
  - - - - - - - - SANITARY SEWER LINE
  - - - - - - - - STORM SEWER LINE
  - - - - - - - - NATURAL GAS LINE
  - - - - - - - - BURIED ELECTRIC LINE
  - - - - - - - - TELEPHONE LINE
  - - - - - - - - FIBER OPTIC LINE

- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE



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

NORTH ROAD

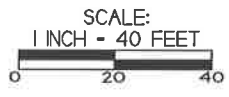


B.3.c GROUNDWATER FLOW DIRECTION (12/30/2019)		
SANDY'S SERVICE (FORMER)		
	709 GRLETTE ST. STE. 3 LA CROSSE, WI 54603 Tel: (608) 781-2679 Fax: (608) 781-2623	DARYLAND, WISCONSIN DRAWN BY: RW DATE: 1/24/2020

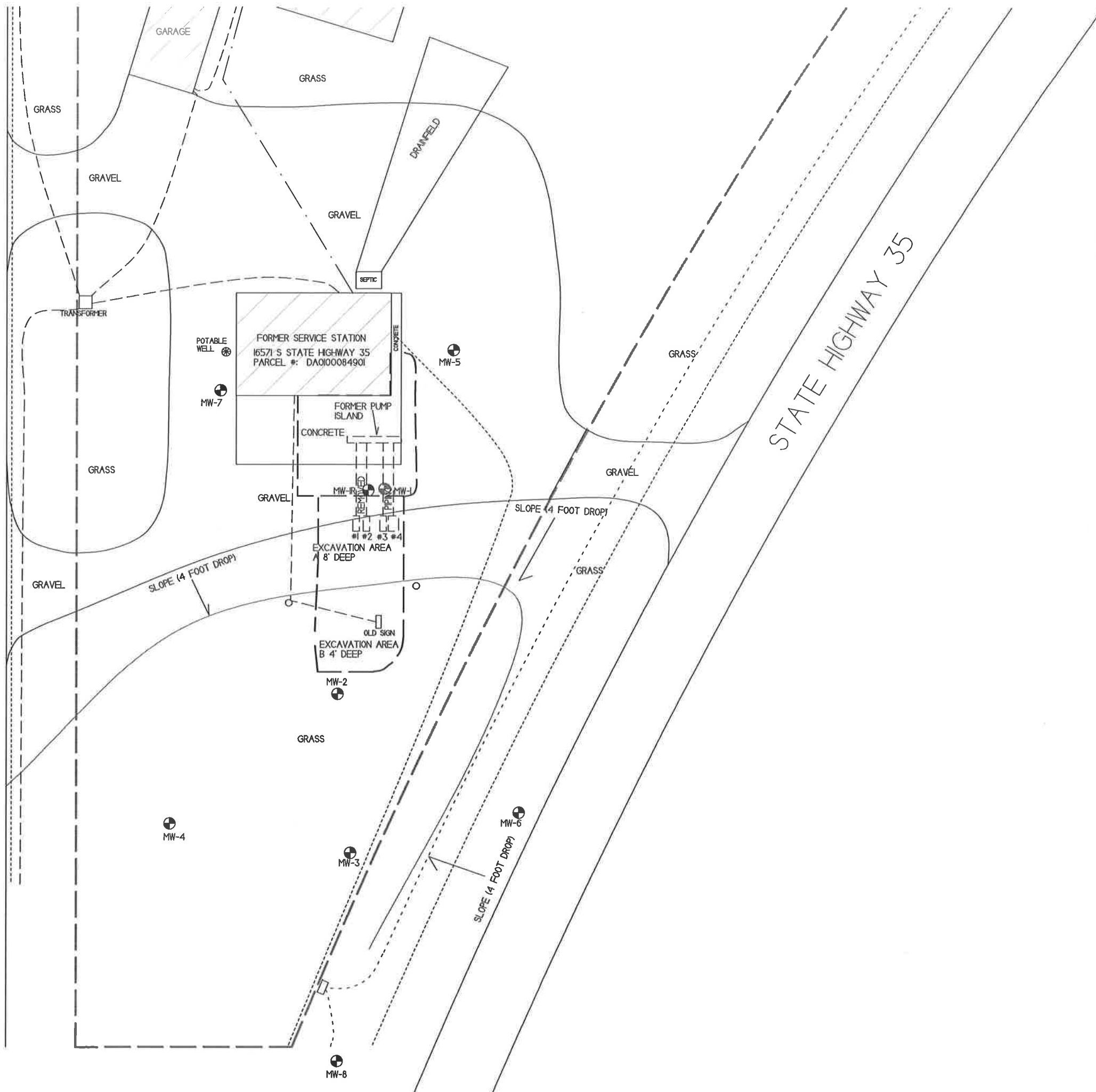
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- - UST SITE ASSESSMENT SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - MONITORING WELL LOCATION (ABANDONED)
- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ⊙ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- - LIGHT POLE
- — — — — - PROPERTY LINE
- · - · - · - WATER LINE
- · - · - · - SANITARY SEWER LINE
- · - · - · - STORM SEWER LINE
- · - · - · - NATURAL GAS LINE
- · - · - · - BURIED ELECTRIC LINE
- · - · - · - TELEPHONE LINE
- · - · - · - FIBER OPTIC LINE

- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE



NORTH ROAD

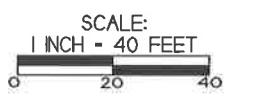


<b>B.3.d MONITORING WELLS MAP SANDY'S SERVICE (FORMER)</b>		
	<small>209 GRILLETT ST. STE. 3 LA CROSSE, WI 54603 TEL: (608) 784-4878 FAX: (608) 784-4878</small>	
<small>DARYLAND, WISCONSIN</small>		<small>DRAWN BY: RW DATE: 1/22/2020</small>

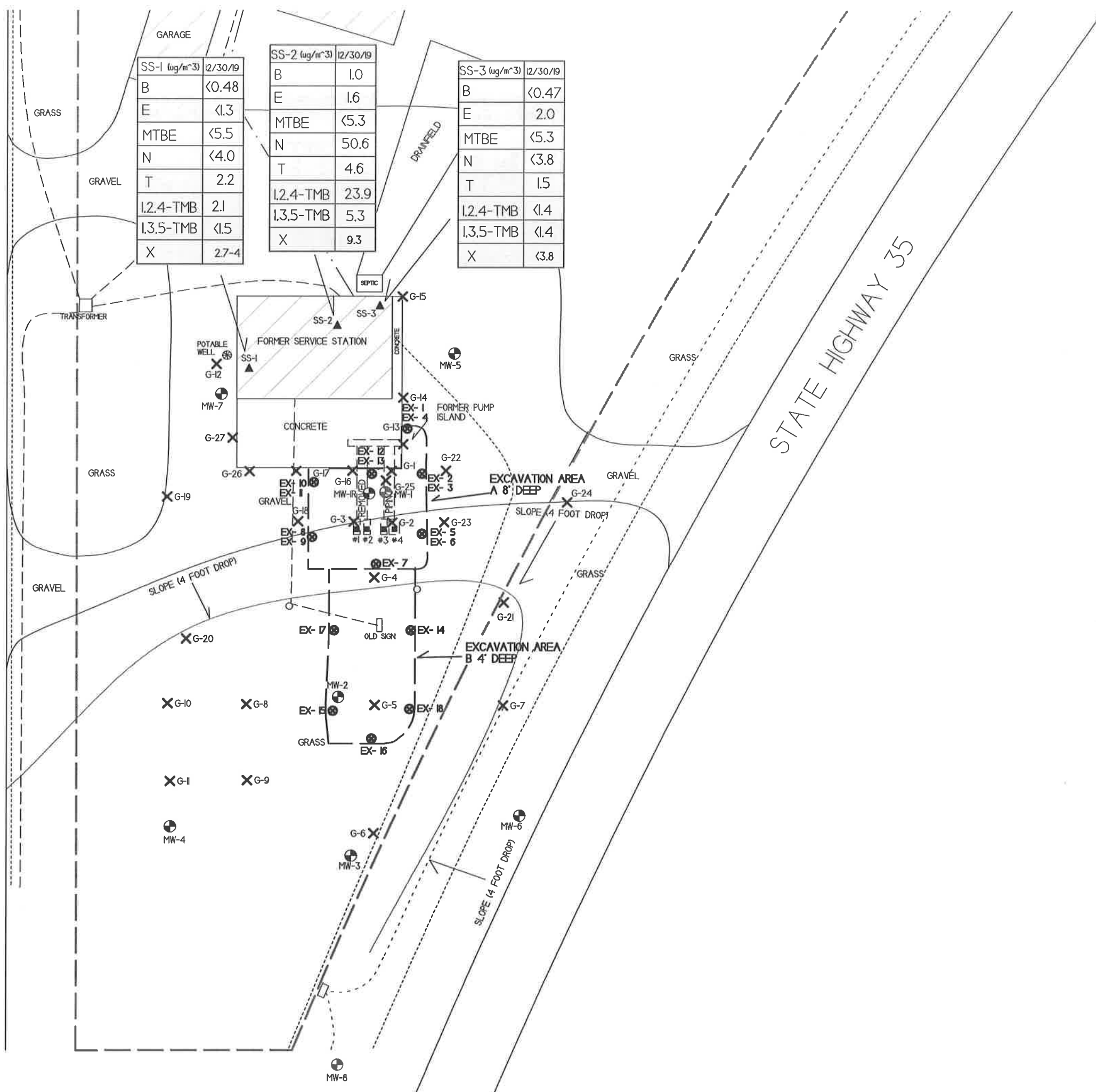
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- MONITORING WELL LOCATION - PROPOSED TO BE ABANDONED
- MONITORING WELL LOCATION (ABANDONED)
- LIGHT POLE
- PROPERTY LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- TELEPHONE LINE
- FIBER OPTIC LINE

- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE



NORTH ROAD



SS-1 (ug/m <sup>3</sup> )	12/30/19
B	<0.48
E	<1.3
MTBE	<5.5
N	<4.0
T	2.2
I,2,4-TMB	2.1
I,3,5-TMB	<1.5
X	2.7-4

SS-2 (ug/m <sup>3</sup> )	12/30/19
B	1.0
E	1.6
MTBE	<5.3
N	50.6
T	4.6
I,2,4-TMB	23.9
I,3,5-TMB	5.3
X	9.3

SS-3 (ug/m <sup>3</sup> )	12/30/19
B	<0.47
E	2.0
MTBE	<5.3
N	<3.8
T	1.5
I,2,4-TMB	<1.4
I,3,5-TMB	<1.4
X	<3.8

**B.4.a VAPOR INTRUSION MAP**  
SANDY'S SERVICE (FORMER)

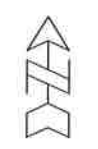
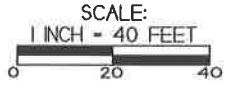
**METCO**  
209 GILLETTE ST. STE. 3  
LA CROSSE, WI 54603  
Tel: (608) 781-6879  
Fax: (608) 781-6873

DARYLAND WISCONSIN  
DRAWN BY: ED  
DATE: 07/06/17

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

- - UST SITE ASSESSMENT SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - MONITORING WELL LOCATION (ABANDONED)
- ⊙ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- - LIGHT POLE
- — — — — - PROPERTY LINE
- - - - - - WATER LINE
- . . . . . - SANITARY SEWER LINE
- — — — — - STORM SEWER LINE
- — — — — - NATURAL GAS LINE
- - - - - - BURIED ELECTRIC LINE
- - - - - - TELEPHONE LINE
- - - - - - FIBER OPTIC LINE

- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE



**B.5. Structural Impediment Photos**



**Photo #1: Concrete slab looking west.**



**B.5. Structural Impediment Photos**



**Photo #2: Concrete slab looking northeast.**

## Attachment C/Documentation of Remedial Action

### C.1 Site Investigation documentation

All site investigation Activities are documented in the following reports:

- Site Investigation Report – November 28, 2018
- Letter Report – August 23, 2019
- Letter Report -- February 5, 2020

### 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.2 Investigative Waste

**Invoice**

**DKS CONSTRUCTION SERVICES, INC**  
 2520 WILSON STREET  
 MENOMONIE, WI 54751


Date	Invoice #
4/26/2019	4098

Bill To

METCO  
 %Ray Sandstrom  
 709 GILLETTE ST  
 LACROSSE, WI 54603

P.O. No.	Terms	Due Date	Project
	Net 30	5/26/2019	

Quantity	Description	Rate	Amount
1	Mobilization (LS)	5,000.00	5,000.00
1,325.45	Excavate (Tons)	3.40	4,506.53
1,325.45	Haul (Tons)	23.00	30,485.35
1,325.45	Disposal (Tons)	23.00	30,485.35
1,118.45	Fill (Tons)	9.00	10,066.05
207	Rock (Tons)	19.00	3,933.00
1,325.45	Backfill & Compact (Tons)	2.50	3,313.63
	Work Completed on 4/23/2019, 4/24/2019, and 4/25/2019 Jobsite: Former Sandy's Service WI & Dunn Sales Tax	5.50%	0.00

*Soil Excavation/Disposal Project*  
*Reviewed 4/29/19*  
*OK*  


Phone # 7152352600

**Total** \$87,789.91

A 1.5% Interest fee may be charged to invoices past Due Date stated on the invoice. Interest charges may be billed on first day past Due Date on invoice.

Ticket	Facility	Minimum
513419		
04/23/21	01 105899 003848 C	24.93
04/23/21	01 105899 003848 C	23.99
04/23/21	01 105899 003848 C	19.56
04/23/21	01 105900 003848 C	24.59
04/23/21	01 105901 003848 C	22.08
04/23/21	01 105901 003848 C	23.81
04/23/21	01 105901 003848 C	23.95
04/23/21	01 105901 003848 C	23.59
04/23/21	01 105901 003848 C	25.42
04/23/21	01 105902 003848 C	26.30
04/23/21	01 105904 003848 C	23.49
04/23/21	01 105905 003848 C	22.15
04/23/21	01 105905 003848 C	22.62
04/23/21	01 105905 003848 C	24.64
04/23/21	01 105905 003848 C	21.62
04/23/21	01 105905 003848 C	24.27
04/23/21	01 105905 003848 C	22.75
04/23/21	01 105906 003848 C	25.05
04/23/21	01 105906 003848 C	22.65
04/23/21	01 105908 003848 C	21.43
04/23/21	01 105911 003848 C	22.19
04/23/21	01 105911 003848 C	22.61
04/23/21	01 105912 003848 C	23.42
04/23/21	01 105912 003848 C	21.21
04/23/21	01 105913 003848 C	24.52
04/23/21	01 105913 003848 C	22.38
04/23/21	01 105913 003848 C	21.12
04/23/21	01 105913 003848 C	23.69
04/23/21	01 105914 003848 C	24.78
04/23/21	01 105914 003848 C	20.99
04/24/21	01 105915 003848 C	21.91
04/24/21	01 105915 003848 C	19.47
04/24/21	01 105915 003848 C	23.04
04/24/21	01 105916 003848 C	22.98
04/24/21	01 105916 003848 C	22.25
04/24/21	01 105916 003848 C	20.40
04/24/21	01 105916 003848 C	24.29
04/24/21	01 105916 003848 C	20.86
04/24/21	01 105916 003848 C	20.90
04/24/21	01 105917 003848 C	25.49
04/24/21	01 105918 003848 C	20.00
04/24/21	01 105919 003848 C	19.85
04/24/21	01 105919 003848 C	20.96
04/24/21	01 105919 003848 C	21.57
04/24/21	01 105919 003848 C	21.07
04/24/21	01 105919 003848 C	23.88
04/24/21	01 105920 003848 C	25.67
04/24/21	01 105920 003848 C	22.97
04/24/21	01 105920 003848 C	22.76
04/24/21	01 105920 003848 C	16.28
04/24/21	01 105924 003848 C	21.42
04/24/21	01 105924 003848 C	22.97
04/24/21	01 105924 003848 C	23.70
04/24/21	01 105925 003848 C	21.31
04/24/21	01 105925 003848 C	24.19
04/24/21	01 105925 003848 C	26.08
04/24/21	01 105925 003848 C	28.34
04/24/21	01 105925 003848 C	25.04

Forward  
SANDY'S Service

Dairyland, WI

Material Weight	Volume Count	Billing	Material Outbound
1 - SW 1,325.45	0.00 TN	0.00	0.00

Tickets Re 58 Items R 58

Material Weight	Volume Count	Billing	Material Outbound
1 - SW 1,325.45	0.00 TN	0.00	0.00

58 loads 1325.45



8001 OLSON DRIVE  
EAU CLAIRE, WI 54703  
7158300284

C.2

*Cliff  
Portage  
Fredonia  
Milwaukee X2  
Mauroe  
MADISON*

002369  
DKS TRANSPORT LLC  
DKS/18049BIO@  
2520 WILSON ST  
MENOMONIE, WI 54751

INVOICE  
INBOUND

SITE	CELL	TICKET #	OPERATOR	
G3		759009	SFALTER	
TRUCK		CONTAINER	LICENSE	
DKS74				
REFERENCE			IN	OUT
109180			5/15/18 11:36 am	5/15/18 11:36 am

CONTRACT: PETROLEUM/18049BIO@  
BOL:

GROSS 43,060.00LBS Scale In  
TARE 29,400.00LBS Tare Out  
NET 13,660.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
6.83	TN	34A@/EX C-Soil/Pet-Ldd Gs-ADC	WI	100.00			
1.00	EA	Profile Fee EX	WI	100.00			

Total  
Paid  
Change  
Check#  
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY

7 MILE CREEK LANDFILL, LLC  
8001 OLSON DRIVE  
EAU CLAIRE, WI 54703  
7158300284

*Maquah  
Dairyland  
MILWAU*

002369  
DKS TRANSPORT LLC  
DKS/18049BIO@  
2520 WILSON ST  
MENOMONIE, WI 54751

INVOICE  
INBOUND

SITE	CELL	TICKET #	OPERATOR	
G3		759132	42997	
TRUCK		CONTAINER	LICENSE	
DKS74				
REFERENCE			IN	OUT
109181			5/16/18 8:02 am	5/16/18 8:05 am

CONTRACT: PETROLEUM/18049BIO@  
BOL:

GROSS 41,940.00LBS Scale In  
TARE 29,400.00LBS Tare Out  
NET 12,540.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
6.27	TN	34A@/EX C-Soil/Pet-Ldd Gs-ADC	WI	100.00			

Total  
Paid  
Change  
Check#  
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY





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

**D.1 Description of Maintenance Actions**

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

**D.3 Photographs**

**D.4 Inspection log**

D.1

## COVER or BARRIER MAINTENANCE PLAN

3/2/2020

Property Located at:

16569 S State Highway 35  
Dairyland, WI 54830

WDNR BRRTS#: 03-16-286908

PECFA #: 54830-9999-71

### Introduction

This document is the Maintenance Plan for a concrete cap at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing cap which addresses or occupies the area over the contaminated groundwater plume or soil.

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

- The case file in the DNR northern office  
BRRTS on the Web (DNR's internet based data base of contaminated sites):  
<https://dnr.wi.gov/botw/SetUpBasicSearchForm.do?rtn=rb>
- RR Sites Map/GIS Registry layer for a map view of the site, and
- The DNR project manager for Barron County.

### D.1. Descriptions:

#### Description of Contamination

Soil contaminated by Petroleum Volatile Organic Compounds (PVOCs) and Naphthalene is located at a depth of 2 to 5.5 feet in the area of the removed USTs and dispenser island. Groundwater contaminated by PVOCs and Naphthalene is located at a depth of approximately 3.53-5.55 feet bgs in the area of the former UST system. The extent of the soil and groundwater contamination is shown on the attached maps in attachment D.2.

#### Description of the Cover to be Maintained

The cap consists of the concrete slab (approximately 4-6 inches thick), located in the area of the former dispenser island. The Cap area is shown on Attachment D.2.

#### Cover/Building/Slab/Barrier Purpose

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

## Annual Inspection

The concrete cap overlying the contaminated soil and as depicted in Attachment D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection 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 maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

## Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling 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 cap overlying the contaminated soil and groundwater plume are 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 DNR or its successor.

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

## Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover/Barrier

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

If removal, replacement or other changes to a cover, or a building which is acting as a cover, are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

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 DNR.

Contact Information:

March 2020

**Current Property Owner:**

Ray Sandstrom  
31125 Gable Ave.  
Stacy MN, 55079

Signature:  3/17/20  
(DNR may request signature of affected property owners, on a case-by-case basis)

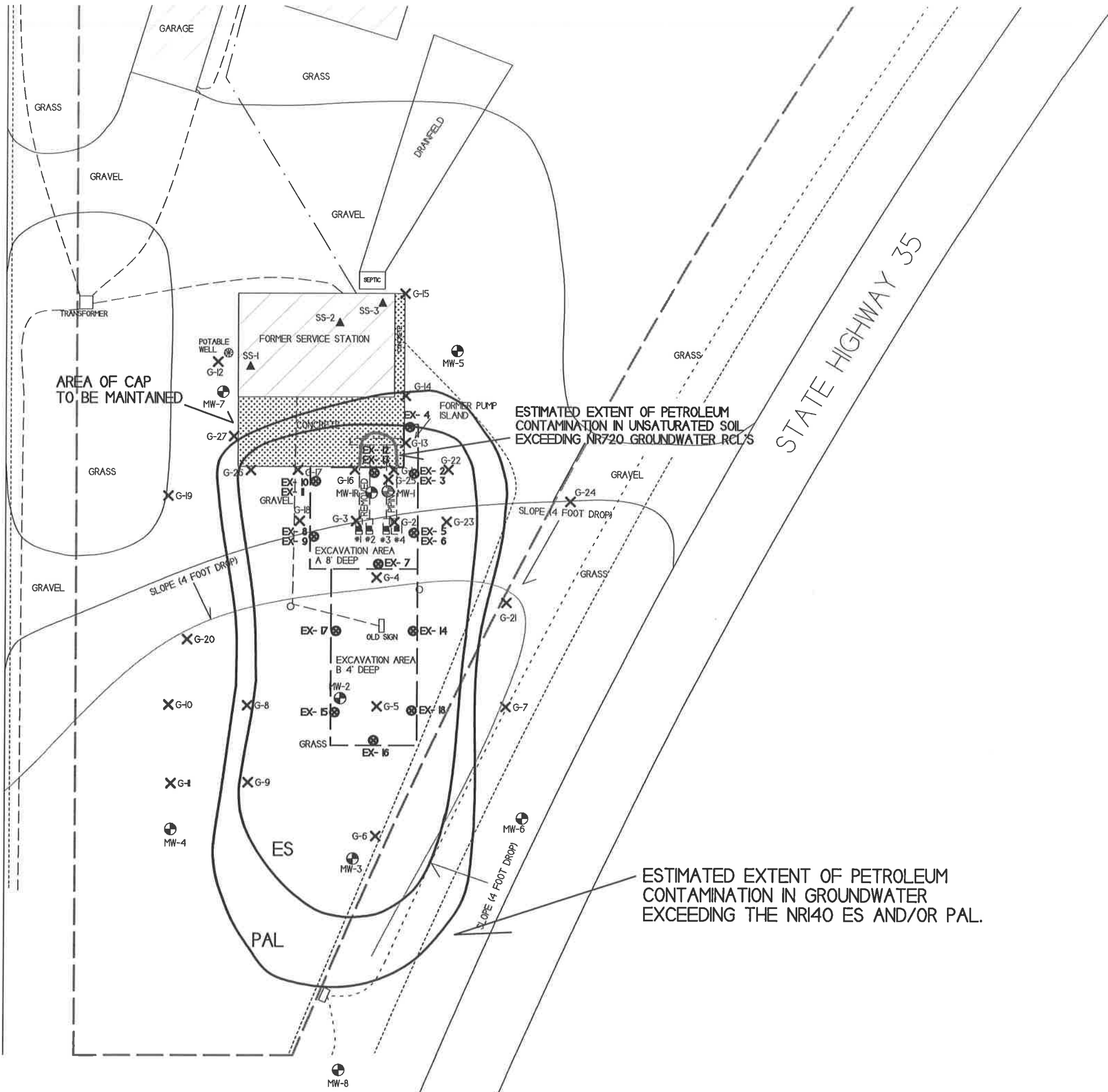
**Consultant:**

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

**WDNR:**

Grant Neitzel  
1701 N 4th Street  
Superior, WI 54880

NORTH ROAD



D.2 LOCATION MAP	
SANDY'S SERVICE (FORMER)	
	709 GILLETTE ST. STE 3 LACROSSE WI 54603 Tel: (608) 781-8877 Fax: (608) 781-8893
DARYLAND, WISCONSIN	DRAWN BY: RW DATE: 1/28/2020



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

- - UST SITE ASSESSMENT SAMPLING LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - MONITORING WELL LOCATION (ABANDONED)
- ⊙ - EXCAVATION CONFIRMATION SAMPLE LOCATION
- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- - LIGHT POLE
- - PROPERTY LINE
- - - - - WATER LINE
- - - - - SANITARY SEWER LINE
- — — — — STORM SEWER LINE
- — — — — NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- - - - - TELEPHONE LINE
- - - - - FIBER OPTIC LINE

- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE

SCALE:  
1 INCH = 40 FEET

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S

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

# D.3 Photographs

03-16-286908

BRRTS No.

Sandy's Service (former)

Activity (Site) Name

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Page 2 of 2

{Click to Add/Edit Image}

Date added: 02/27/2020



Title: Photo #1: Area of cap to be maintained looking west.

{Click to Add/Edit Image}

Date added: 02/27/2020



Title: Photo #2: Area of cap to be maintained looking northeast

D.4

**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>Sandy's Service (former)</b>	BRRTS No. <b>03-16-286908</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):

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

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

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



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

### **F.1 Deed**

**F.2 Certified Survey Map - there is no certified survey map for this site, therefore a map from the Douglas County GIS was included.**

### **F.3 Verification of Zoning**

### **F.4 Signed Statement**

F.1 Deed

782430

State Bar of Wisconsin Form 1-2003  
WARRANTY DEED

Document Number

Document Name

DOCUMENT # 782430

THIS DEED, made between Raymond H. Sandstrom a/k/a Raymond Henry Sandstrom, a single person,

("Grantor," whether one or more), and Raymond H. Sandstrom, Jr. and Anne Sandstrom, husband and wife, as joint tenants and not as tenants in common,

("Grantee," whether one or more).

Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Douglas County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

That part of the Southwest Quarter of the Northwest Quarter (SW 1/4 NW 1/4), Section Thirty-four (34), Township Forty-three (43) North, Range Fifteen (15) West, lying North of State Trunk Highway #35, Douglas County, Wisconsin.

Recorded  
MAR. 21, 2005 AT 10:00AM  
KATHY F. HANSON  
DOUGLAS COUNTY RECORDER  
SUPERIOR, WI 54880-2769  
Fee Amount: \$11.00  
Transfer Fee: \$165.00

Recording Area

Name and Return Address

**Village Title & Abstract Co.**  
26768 N. Lakeland Ave. Hwy. 35  
Webster, WI 54893

11/ck

DA-010-00849-01

Parcel Identification Number (PIN)

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

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

Dated 3/18 2005

(SEAL) Raymond H. Sandstrom a/k/a Raymond Henry Sandstrom (SEAL)

\* Raymond H. Sandstrom a/k/a Raymond Henry Sandstrom

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

AUTHENTICATION

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

authenticated on \_\_\_\_\_

TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT DRAFTED BY:  
BENSON LAW OFFICE, P. O. Box 370, Siren, WI 54872  
George W. Benson, Attorney at Law, State Bar No. 1012978

ACKNOWLEDGMENT

STATE OF WISCONSIN )  
 ) ss.  
BURNETT COUNTY )

Personally came before me on March 18 2005,  
the above-named Raymond H. Sandstrom a/k/a Raymond Henry Sandstrom,  
to me known to be the person(s) who executed the foregoing  
instrument and acknowledged the same.

Notary Public, State of WISCONSIN  
My commission (is permanent) (expires: 9-18-05 )

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

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATION TO THIS FORM SHOULD BE CANCELLED. STATE OF WISCONSIN

WARRANTY DEED

©2003 STATE BAR OF WISCONSIN

STATE OF WISCONSIN

CANDACE J. LARSEN, Notary Public, No. 1-2003

\*Type name below signatures.

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F. & certified Survey Map



# F.3 Verification of Zoning

Parcel #: DA-010-00849-01

Valid as of 05/12/2020 09:55 AM

Alt. Parcel #:

TOWN OF DAIRYLAND  
DOUGLAS COUNTY,  
WISCONSIN

**Owner and Mailing Address:**

ANNE & RAYMOND H SANDSTROM JR  
31125 GABLE AVE  
STACY MN 55079

**Co-Owner(s):**

**Physical Property**

**Address(es):**

\* 16571 S STATE HIGHWAY 35

**Districts:**

Dist#	Description
16	DOUGLAS COUNTY
6293	WEBSTER SCHOOL DIST
1700	WITC (VTAE)

**Parcel History:**

Date	Doc #	Vol/Page	Type
	782430	/	
	781674	/	

**Abbreviated Description:**                      **Acres: 11.840**

PT SW NW, LYG N OF HWY 35 34-43-15 DESC  
408 RP 566

Plat	Tract (S-T-R 40% 160% GL)	Block/Condo Bldg
* N/A-NOT AVAILABLE	34-43N-15W SW NW	

**2020 Valuations:**

Values Last Changed on  
07/06/2016

Class and Description	Acres	Land	Improvement	Total
G1-RESIDENTIAL	2.000	1,700.00	127,500.00	129,200.00
G6-PRODUCTIVE FOREST LANDS	9.840	9,800.00	0.00	9,800.00

**Totals for 2020**

General Property	11.840	11,500.00	127,500.00	139,000.00
Woodland	0.000	0.00	0.00	0.00

**Totals for 2019**

General Property	11.840	11,500.00	127,500.00	139,000.00
Woodland	0.000	0.00	0.00	0.00

**2020 Taxes**

Taxes have not yet been calculated.

**Key**

\* -

Primary

**F.4. Signed Statement**

WDNR BRRTS Case #: 03-16-286908

WDNR Site Name: Sandys Service Fmr

**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:

Ray Sandstrom owner  
(print name/title)

 4-15-20  
(signature) (date)

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

### **G.A.-- Notification to Wisconsin DOT of Contamination Within ROW of State Highway 35**

G.1 Deed

G.2 Certified Survey Map

G.3 Verification of Zoning

G.4 Signed Statement

G.A

**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: Sandy's Service (former)

County: Douglas		Highway: State Highway 35		
Address 16569 S State Highway 35		City Dairyland	State WI	ZIP Code 54830
BRRTS Number: 03-16-286908	PECFA Number: 54-83-0999971	FID Number: 816126740		

**Owner Information**

Last Name Sandstrom	First Ray	MI		
Address 31125 Gable Ave.	City Stacy	State MN	ZIP Code 55079	

**Consultant Information**

Consulting Firm: METCO

Consultant Contact: Last Name Powell	First Jason	MI		
Address 709 Gillette St., ste. 3	City La Crosse	State WI	ZIP Code 54603	
Phone Number (608) 781-8879	Fax Number			
E-mail <a href="mailto:jasonp@metcohq.com">jasonp@metcohq.com</a>				

**Contamination Information**

Soil contamination?  Yes  No

Groundwater contamination?  Yes  No

Describe the type(s) of contamination present.

Petroleum

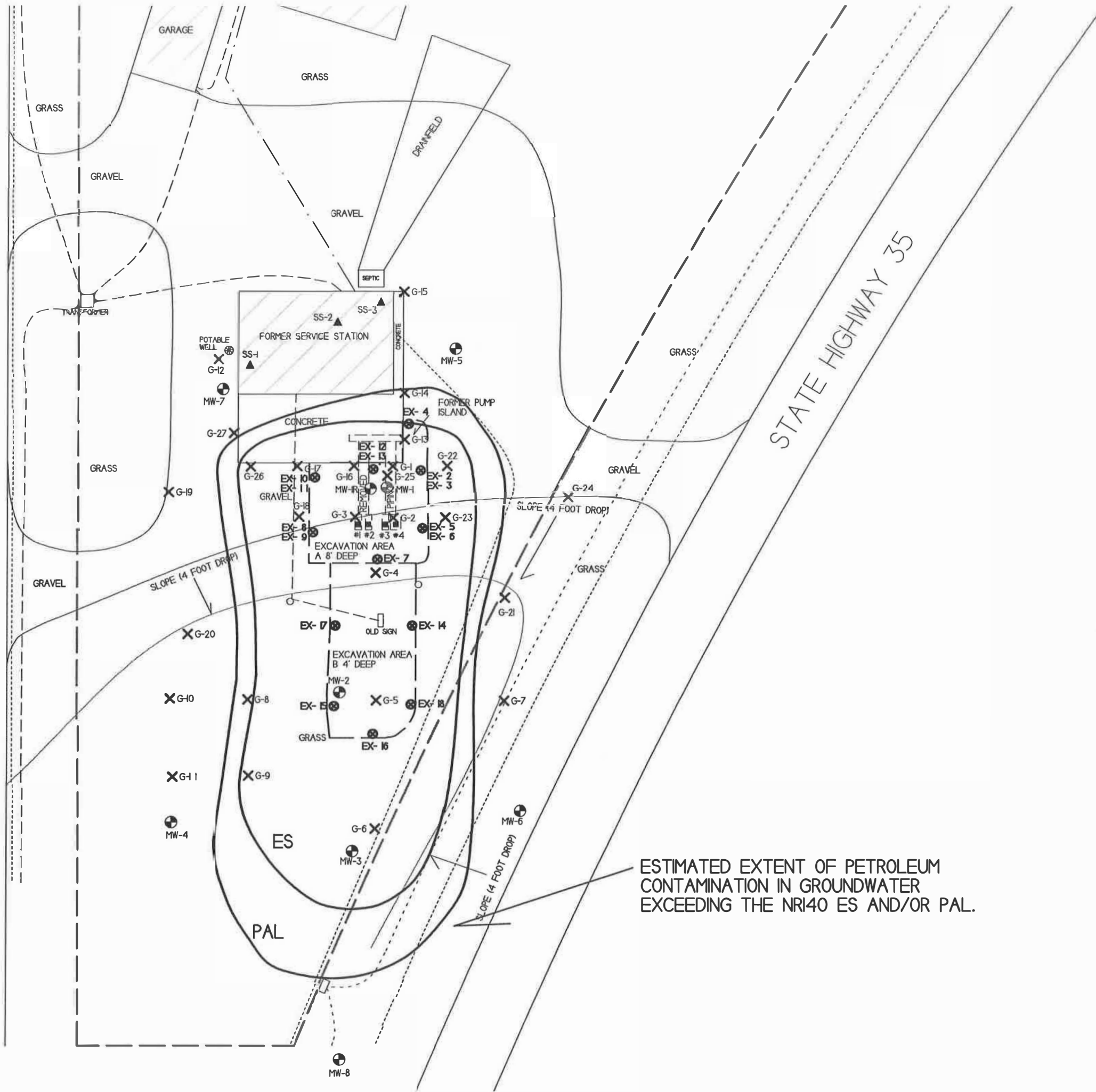
Brief summary of cleanup activity:

Excavation of 1,325.45 tons of petroleum contaminated soil and groundwater monitoring

**Checklist of Documents to Submit**

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

NORTH ROAD



**G.A**

B.3.b GROUNDWATER  
ISOCONCENTRATION (12/30/2019)

SANDY'S SERVICE  
(FORMER)

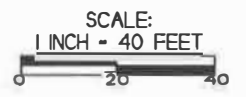
METCO  
FOR COLLECTING & TEST. 3  
LABORATORY 100 54503  
St. JOSEPH MO 64502  
Ph. (417) 781-8893

DARYLAND,  
WISCONSIN

DRAWN BY: RW  
DATE: 1/28/2020

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- - UST SITE ASSESSMENT SAMPLING LOCATION
  - ✕ - GEOPROBE BORING LOCATION
  - ⊕ - MONITORING WELL LOCATION
  - ⊖ - MONITORING WELL LOCATION (ABANDONED)
  - ⊙ - EXCAVATION CONFIRMATION SAMPLE LOCATION
  - ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
  - - LIGHT POLE
- - - - - PROPERTY LINE
  - · · · · WATER LINE
  - - - - - SANITARY SEWER LINE
  - - - - - STORM SEWER LINE
  - — — — — NATURAL GAS LINE
  - — — — — BURIED ELECTRIC LINE
  - · · · · TELEPHONE LINE
  - - - - - FIBER OPTIC LINE

- KEY TO REMOVED USTS
- 1 - 560-GALLON DIESEL
  - 2 - 560-GALLON DIESEL
  - 3 - 560-GALLON GASOLINE
  - 4 - 1000-GALLON GASOLINE



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



**Ben Nelson**

G.A

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**From:** DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>  
**Sent:** Tuesday, February 25, 2020 5:51 PM  
**To:** Ben Nelson; DOT Hazmat Unit  
**Subject:** RE: Notification of Contamination

Thank you Ben,  
I've received the notification for the Sandy's service site on STH 35 in Dairyland, BRRTS # 03-16-286908. 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

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**From:** Ben Nelson <benn@metcohq.com>  
**Sent:** Tuesday, February 25, 2020 11:48 AM  
**To:** DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>  
**Subject:** Notification of Contamination

Notification of Contamination

The attached file is the filled-out form as well as the site contamination map. Please open it to review the data.

Thanks

**Ben Nelson**

**METCO – Hydrogeologist**

[benn@metcohq.com](mailto:benn@metcohq.com) / 608.781.8879

709 Gillette Street - Suite 3, La Crosse WI 54603

[www.metcohq.com](http://www.metcohq.com)