



November 22, 2021

WILLIAM AND TRACY OSTRANDER
N2271 USH 45
CAMPBELLSPORT WI 53010

Via Electronic Mail Only to tostrander12@gmail.com

KEEP THIS LEGAL DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Case Closure with Continuing Obligations
WI DOT Old Dutchmill, N2271 USH 45, Town of Auburn, WI
BRRTS #: 03-20-183944

Dear Mr. & Ms. Ostrander:

The Wisconsin Department of Natural Resources (DNR) is pleased to inform you that the WI DOT Old Dutchmill, contamination case identified above met the requirements of Wisconsin Administrative (Wis. Admin.) Code chs. NR 700 to 799 for case closure with continuing obligations (COs). COs are legal requirements to address potential exposure to remaining contamination. No further investigation or remediation is required at this time for the reported hazardous substance discharge and/or environmental pollution.

However, you, future property owners and occupants of the property must comply with the COs as explained in this letter, which may include maintaining certain features and notifying the DNR and obtaining approval before taking specific actions. You must provide this letter and all enclosures to anyone who purchases, rents or leases this property from you. Some COs also apply to other properties or rights of way (ROWs) affected by the contamination as identified in the Continuing Obligation Summary section of this letter. You may be required to make a real estate condition report disclosure under Wis. Stat. ch. 709.

This case closure decision is issued under Wis. Admin. Code chs. NR 700 to 799 and is based on information received by the DNR to date. The DNR reviewed the case closure request for compliance with state laws and standards and determined the case closure request met the notification requirements of Wis. Admin. Code ch. NR 725, the response action goals of Wis. Admin. Code § NR 726.05(4), and the case closure criteria of Wis. Admin. Code §§ NR 726.05, 726.09, 726.11, and Wis. Admin. Code ch. NR 140.

The WI DOT Old Dutchmill site was investigated for a discharge of hazardous substances and/or environmental pollution from a leaking Underground Storage Tank (UST) located near the onsite building at N2771 USH 45, in the Town of Auburn, WI. The site investigation was conducted in the area of the former UST, which includes much of the southern portion of the source property, on the adjacent property to the east, and in the ROWs of USH 45/STH 67 to the west. Case closure is granted for the Volatile Organic Compounds (VOCs), Polycyclic Aromatic Hydrocarbons (PAHs) and lead in soil and groundwater and VOCs in vapor as documented in the case file. The site investigation and/or remedial action addressed soil, groundwater, and vapor. The remedial

action selected was natural attenuation. Contamination remains in soil and groundwater west and south of the onsite building and into the USH 45/STH 67 ROWs.

The case closure decision and COs required are based on the current use of the source property at N2271 USH 45, in the Town of Auburn, WI, for residential purposes, and the affected property (listed in the table below) for ROW purposes. The source property is currently zoned residential/agricultural, and the affected property is currently a ROW. Based on the land use and zoning, the site, including both the source property and the affected property, meets the non-industrial land use classification under Wis. Admin. Code § NR 720.05(5) for application of residual contaminant levels in soil.

SUMMARY OF CONTINUING OBLIGATIONS

COs are applied at the following locations:

ADDRESS (Town of Auburn, WI)	COs APPLIED
N2271 USH 45 (Source Property)	<ul style="list-style-type: none">• Residual Groundwater Contamination• Residual Soil Contamination• Vapor Intrusion (VI) - Future Concern
USH 45/STH 67 (ROW) <i>adjacent to N2271 USH 45</i>	<ul style="list-style-type: none">• Residual Soil Contamination

CLOSURE CONDITIONS

Closure conditions are legally required conditions which include both COs and other requirements for case closure (Wis. Stat. § 292.12(2)). Under Wis. Stat. § 292.12(5), you, any subsequent property owners and occupants of the property must comply with the closure conditions as explained in this letter. The property owner must notify occupants for any condition specified in this letter under Wis. Admin. Code §§ NR 726.15(1)(b) and NR 727.05(2). If an occupant is responsible for maintenance of any closure condition specified in this letter, you and any subsequent property owner must include the condition in the lease agreement under Wis. Admin. Code § NR 727.05(3) and provide the maintenance plan to any occupant that is responsible.

DNR staff may conduct periodic pre-arranged inspections to ensure that the conditions included in this letter are met (Wis. Stat. § 292.11(8)). If these requirements are not followed, the DNR may take enforcement action under Wis. Stat. ch. 292 to ensure compliance with the closure conditions.

SOIL

Continuing Obligations to Address Soil Contamination

Residual Soil Contamination (Wis. Admin. Code chs. NR 718, NR 500 to 599, and § NR 726.15(2)(b) and Wis. Stat. ch. 289)

Soil contamination remains as indicated on the enclosed map (Figure B.2.b, Residual Soil Contamination, July 1, 2021). If soil in the location(s) shown on the map is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to

determine if the material is considered solid waste and ensure that any storage, treatment or disposal complies with applicable standards and rules. Contaminated soil may be managed under Wis. Admin. Code ch. NR 718 with prior DNR approval.

In addition, all current and future property owners, occupants and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation and direct contact hazard; special precautions may be needed to prevent a threat to human health.

GROUNDWATER

Continuing Obligations to Address Groundwater Contamination and/or Monitoring Wells

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140 and § NR 812.09(4)(w))
Groundwater contamination which equals or exceeds the enforcement standards for PVOCs is present, as shown on the enclosed map (Figure B.3.b, Groundwater Isoconcentration, July 1, 2021). To construct a new well or reconstruct an existing well, the property owner must obtain prior DNR approval. Additional casing may be necessary to prevent contamination of the well.

VAPOR

Continuing Obligations to Address Vapor Contamination

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

VI - Future Concern: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(L) or (m), as applicable. PVOCs remain in soil and groundwater at, as shown on the enclosed maps, (Figure B.2.b, Residual Soil Contamination, July 1, 2021) and (Figure B.3.b, Groundwater Isoconcentration, July 1, 2021), at concentrations that may be of concern for vapor intrusion in the future, if a building is constructed, renovated or expanded in an area where no building currently exists or if an existing building is remodeled. At the time of closure, the occupied domicile and detached garage are the only buildings on site and the property is currently utilized as a single-family residence.

Vapor control technologies are required for new construction or for modification of occupied buildings on the property unless the property owner assesses the vapor pathway and the DNR agrees that vapor control technologies are not needed. The property owner shall maintain the current building use and layout.

See the DNR Notification and Approval Requirements section for more details.

OTHER CLOSURE REQUIREMENTS

Pre-Approval Required for Well Construction (Wis. Admin. Code § NR 812.09(4)(w))
DNR approval is required before well construction or reconstruction for all sites identified as having residual contamination and/or COs. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, the property owner is required to complete and submit Form 3300-254, Continuing Obligations/Residual Contamination Well Approval Application, to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help complete this form. The form can be

obtained online at dnr.wi.gov, search “3300-254.” Additional casing may be necessary to help prevent contamination of the well.

General Wastewater Permits for Construction-related Dewatering Activities (Wis. Admin. Code ch. NR 200) The DNR’s Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction-related dewatering activities, including utility work and building construction.

If the property owner or any other person plans to conduct such activities, that person must contact the Water Quality Program and, if necessary, apply for the required discharge permit. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for discharge of *Contaminated Groundwater from Remedial Action Operations* may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids, oil and grease, a general permit for pit/trench *Dewatering Operations* may be needed. Additional information can be obtained by visiting the DNR website at “dnr.wi.gov,” search “wastewater general permits.”

DNR NOTIFICATION AND APPROVAL REQUIREMENTS

Certain activities are limited at closed sites to maintain protectiveness to human health and the environment. The property owner is required to notify the DNR at least 45 days before and obtain approval from the DNR prior to taking the following actions (Wis. Admin. Code §§ NR 727.07, NR 726.15 (2), Wis. Stat. § 292.12(6)).

- Before constructing a building and/or modifying use of or the construction of an existing building or changing property use. Certain activities are limited at closed sites to reduce the risk of exposure to residual contamination via vapor intrusion. For properties with a continuing obligation for addressing the future risk of vapor intrusion when buildings exist at the time of closure approval, changes to the current building use and layout are prohibited without prior DNR approval. This includes any change in building construction, reconstruction or partial demolition. The DNR may require additional actions may be required at that time to re-assess for vapor intrusion and mitigate, as appropriate.

The DNR may require additional investigation and/or cleanup actions if necessary, to be protective of human health and the environment. The case may be reopened under Wis. Admin. Code § NR 727.13 if additional information indicates that contamination on or from the site poses a threat, or for a lack of compliance with a CO or closure requirement.

SUBMITTALS AND CONTACT INFORMATION

Site, case-related information and DNR contacts can be found online in the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW); go to dnr.wi.gov and search “BOTW.” Use the BRRTS ID # found at the top of this letter. The site can also be found on the map view, Remediation and Redevelopment Sites Map (RRSM) by searching “RRSM.”

Send written notifications and monitoring well filling and sealing forms to the DNR using the RR Program Submittal Portal at dnr.wi.gov, search “RR submittal portal” (<https://dnr.wi.gov/topic/Brownfields/Submittal.html>). Questions on using this portal can be directed to the Project Manager below or to the environmental program associate (EPA) for the regional DNR office. Visit dnr.wi.gov, search “RR contacts” and select the EPA tab (<https://dnr.wi.gov/topic/Brownfields/Contact.html>).

CLOSING

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact DNR project manager Andy James at (715) 527-0114 or Andrew.James@wisconsin.gov.

Sincerely,



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

Attachments:

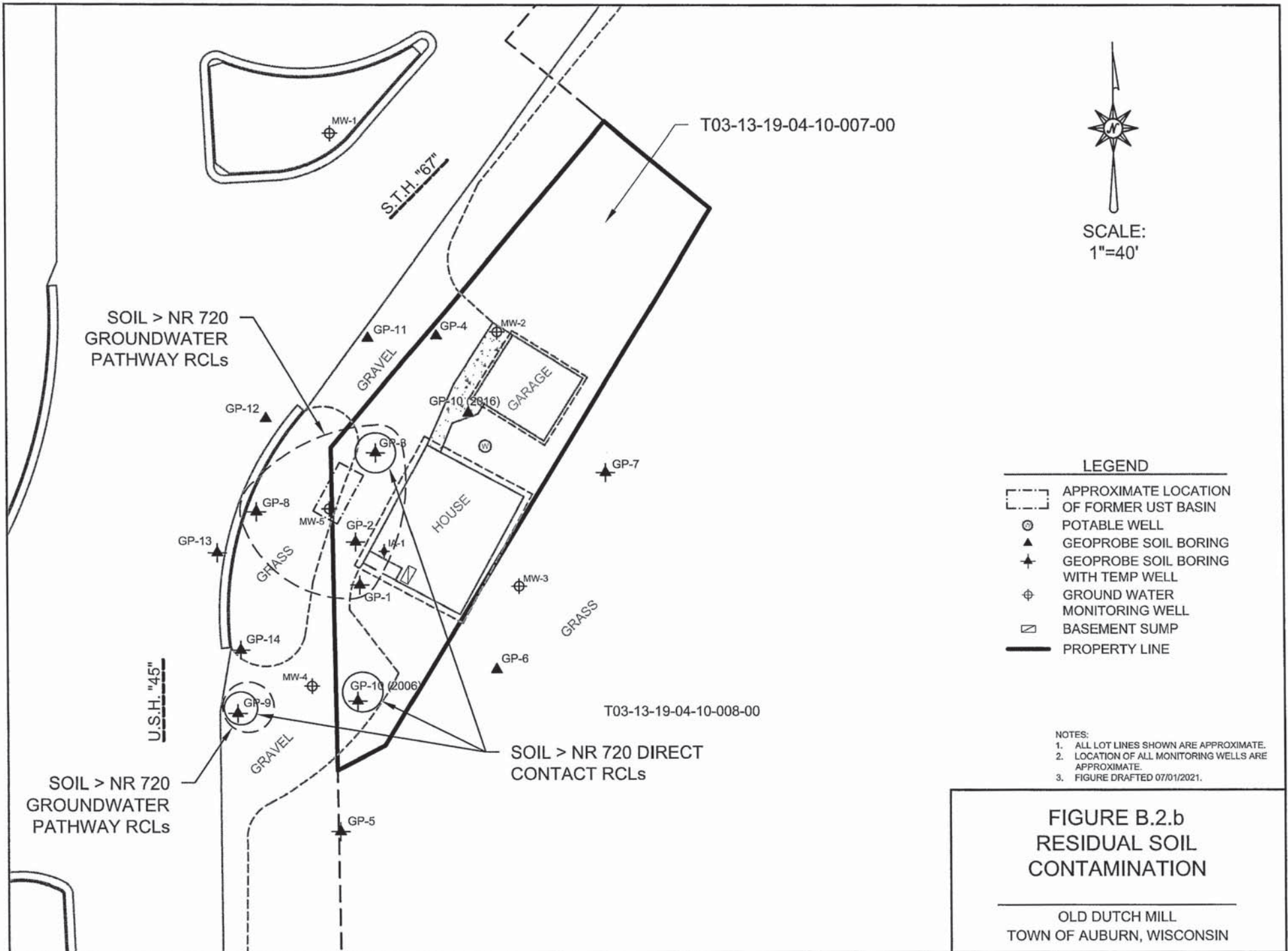
- Figure B.2.b, Residual Soil Contamination, July 1, 2021
- Figure B.3.b, Groundwater Isoconcentration, July 1, 2021

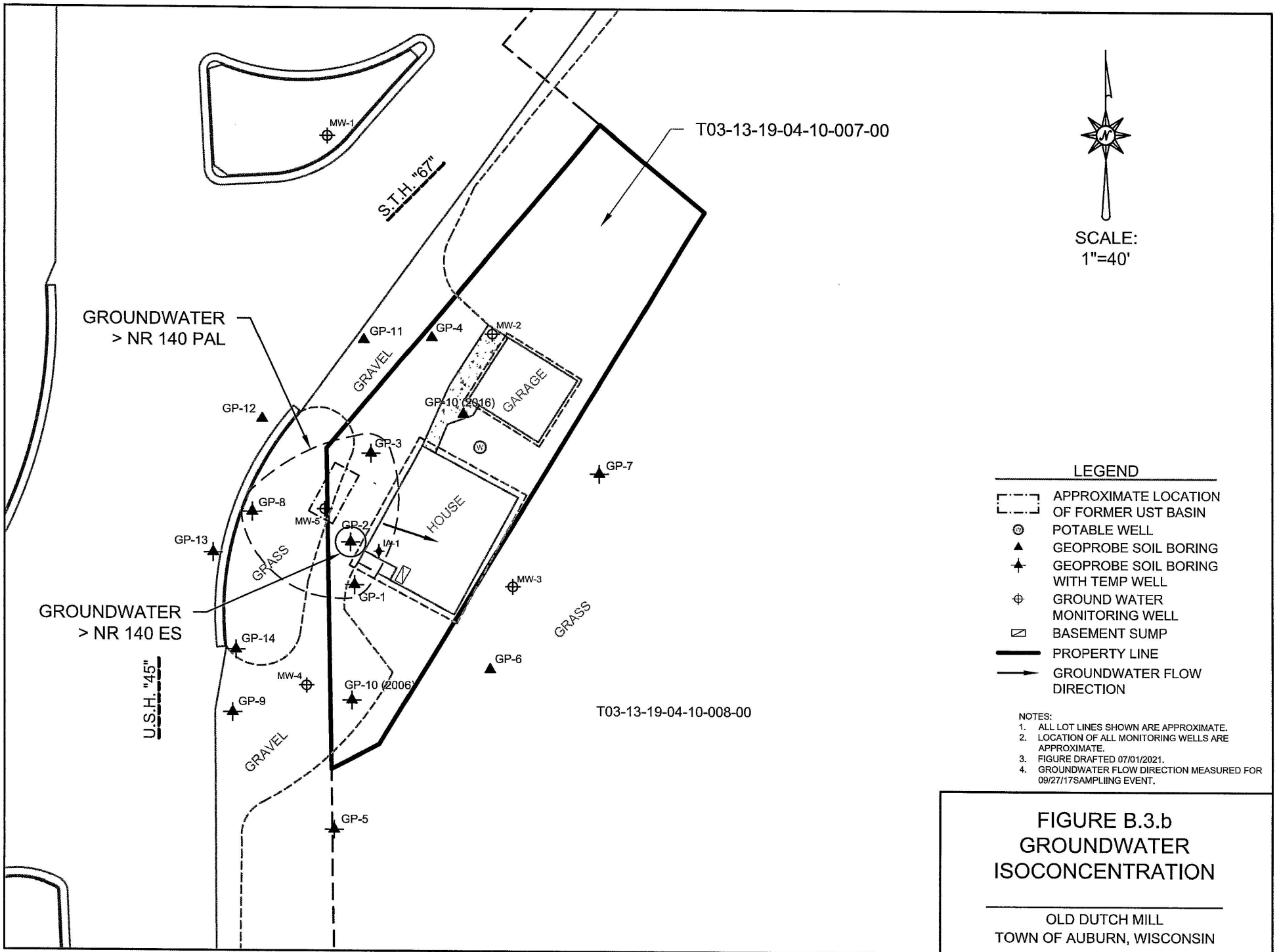
cc: Sharlene Te Beest, WisDOT, (Sharlene.TeBeest@dot.wi.gov)
Ryan Sommer, Fond du Lac County Highway Dept, (ryan.sommer@fdlco.wi.ov)

Additional Resources:

The DNR fact sheets listed below can be obtained by visiting the DNR website at “dnr.wi.gov,” search the DNR publication number.

- *Continuing Obligations for Environmental Protection* (RR-819)
- *Environmental Contamination and Your Real Estate* (RR-973)
- *Post-Closure Modifications: Changes to Property Conditions after a State-Approved Cleanup* (RR-987)
- *Using Natural Attenuation to Clean Up Contaminated Groundwater: What Landowners Should Know* (RR-671)





SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

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

Site Information			
BRRTS No. 03-20-183944	VPLE No.		
Parcel ID No. T031319041000700			
FID No. NA	WTM Coordinates		
	X 661948	Y 351322	
BRRTS Activity (Site) Name Old Dutch Mill	WTM Coordinates Represent: <input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address N2271 USH 45	City Town of Auburn	State WI	ZIP Code 53010
Acres Ready For Use 0.3			

Responsible Party (RP) Name William & Tracy Ostrander			
Company Name NA			
Mailing Address N2271 USH 45	City Campbellsport	State WI	ZIP Code 53010
Phone Number (920) 251-9951	Email tostrander12@gmail.com		

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

Environmental Consultant Name Joseph Ramcheck			
Consulting Firm Endeavor Environmental Services, Inc.			
Mailing Address 2280-B Salscheider Court	City Green Bay	State WI	ZIP Code 54313
Phone Number (920) 437-2997	Email jramcheck@endeavorenv.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 site is located at N2271 USH 45 in the Town of Auburn. The site is comprised of a 0.3 acre parcel (PIN: T031319041000700), more specifically located in part of the northwest 1/4 of the southwest 1/4 of Section 04, Township 13 North, Range 19 East, Town of Auburn, Fond du Lac County, Wisconsin. The site is located in an area zoned as a Farmland Preservation District.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The property is currently utilized as a residence with the residence located just south, southwest of the garage building on the subject site. Based on the Phase II Environmental Site Assessment completed by Environmental Compliance Consultants, Inc. (ECCI), the site was historically operated as a tavern and gas station.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
The subject site and properties to the south, east and northeast are zoned as Farmland Preservation District. The properties to the west are zoned Rural District. Zoning was verified using the Fond du Lac County Geographic Information Systems (GIS) website. A zoning map is included as F.3. Verification of Zoning, located in Attachment F.
- D. Describe how and when site contamination was discovered.
A soil sample collected during an underground storage tank (UST) closure assessment performed in the early 1990s reported a gasoline range organic compounds (GRO) detection of 492 parts per million (ppm). The petroleum release was reported to the Wisconsin Department of Natural Resources (WDNR) on March 26, 1998. An initial Responsible Party letter was issued dated March 31, 1998. An amended Responsible Party letter was issued to William & Tracy Ostrander, dated March 5, 2002, outlining the obligation to restore the environment at the property.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The suspected source of contamination is a former 500-gallon leaded gasoline UST that was located in front of the residential home (former tavern) to the northwest, between the residence and USH 45.
- 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.
BRRTS: 03-20-183944 Old Dutch Mill (subject site)
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
Not Applicable

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.
Site investigation activities found site soils consisted primarily of loamy clay, loamy silt, with loamy sands. Gravel fill was located from depths ranging from approximately 0 to 4.5 feet below ground surface (bgs). Loamy clay was generally present from approximately 4 to 6 feet bgs and underlain by loamy silt with loamy sands generally present from 6 to the depth drilled at between 12 and 13.5 feet bgs. Weathered bedrock was encountered in the areas of monitoring well MW-3 and soil boring GP-10 at 4 and 8 feet bgs, respectively.
 - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Gravel fill was located from the surface to approximately 4.5 feet bgs throughout the parking area and driveway of the residence.
 - iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
According to the Bedrock Map of Wisconsin, University of Wisconsin - Extension Geological and Natural History Survey, date 1982, the site bedrock conditions are described as sedimentary rocks of the Paleozoic Age that correlate with the Silurian System. The bedrock is composed of undivided dolomite that includes the Cayugan, Niagaran, and Alexandrian Series. The underlying bedrock is estimated to range from 15 to 30 meters bgs. Site investigation activities encountered weathered bedrock in the areas of monitoring well MW-3 and soil boring GP-10 at 4 and 8 feet bgs, respectively.

- 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 surface cover across the site generally consists of a residence and garage surrounded by either gravel or grass. The gravel area consists of the driveway and parking area, starting at the property line along STH 67 and extending southwest to USH 45. Grass covers the surface around the south sides of the residence and garage, with a small area of grass present to the northwest of the residence between the driveway and the intersection of USH 45 and STH 67.

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.

The depth to groundwater elevations in the site monitoring wells was measured to mean sea level (msl). Groundwater elevations in the site monitoring wells have ranged from 998.07 feet above msl in monitoring well MW-2 on August 23, 2016, and September 27, 2017, to 999.49 feet above msl in monitoring well MW-1 on May 10, 2016. On site depth to groundwater has been measured from 0.98 feet bgs in MW-3 on May 10, 2019 to 8.00 feet bgs in MW-1 on August 23, 2016.

No free product has been measured in any of the site monitoring points.

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

Shallow groundwater flow in site monitoring wells is generally to the southeast from the former area of the UST toward the residence. Deep groundwater flow was not measured as part of the investigation as the result of the petroleum contamination being defined by the shallow temporary and monitoring wells installed during site activities. Fractured flow does not appear present in the site monitoring wells.

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

On-site depth to groundwater measurements has shown groundwater to be located between 0.98 ft bgs (monitoring well MW-3) to 8.00 ft bgs (monitoring well MW-1). Hydraulic conductivity at the subject property ranges between 12.9 ft/day and 13.0 ft/day.

- 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 is serviced by an on-site potable well located between the garage and residence. Well construction specifications are unconfirmed. Wisconsin Geologic and Natural History Survey (WGNHS) well records identified four wells in the quarter section surrounding the subject property. Based upon the reviewed information, the identified potable wells range from a depth of 56 to 187 feet bgs. All of these wells were outfitted with 6-inch steel casing.

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 March 26, 1998, the WDNR was notified of the confirmed petroleum soil and groundwater contamination.

On March 31, 1998, the WDNR issued a "Responsible Party" letter.

On March 5, 2002, the WDNR issued a "Responsible Party" letter to William and Tracy Ostrander, outlining their responsibility to restore the environment.

On August 6, 2006, ECCI oversaw the installation of ten Geoprobe soil borings in the vicinity of a former dispenser island and UST. A total of 24 soil samples were submitted for laboratory analysis of diesel range organic compounds (DRO), GRO, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) and lead. Geoprobe borings GP-1 through GP-3, GP-5 and GP-7 thru GP-10 were constructed as temporary monitoring wells and groundwater samples were collected. The groundwater samples were submitted for laboratory analysis of VOCs, PAHs and lead.

Soil sample laboratory analytical results reported detections of analyzed constituents above Wisconsin Administrative Code (WAC), NR 720 residual contaminant levels in soil samples GP-1, GP-2, GP-3, GP-8, GP-9 and GP-10. Contaminants reported at concentrations exceeding their respective WAC, NR 720 RCL groundwater protection included ethylbenzene, toluene, total xylenes, naphthalene, 1,2,4 & 1,3,5-TMBs, lead and chrysene. Contaminants reported at concentrations exceeding their respective WAC, NR720 non-industrial direct contact levels included benzo(a)pyrene and dibenz(a,h)anthracene.

Groundwater sample laboratory analytical results reported detections of analyzed constituents above WAC, NR 140

enforcement standards or preventive action limits in groundwater samples GP-1 through GP-3 GP-5, and GP-8 through GP-10. Constituents reported at concentrations exceeding their respective WAC NR 140 enforcement standards (ES) or preventive action limits (PAL) included benzene, ethylbenzene, toluene, total xylenes, total trimethylbenzenes (TMBs), naphthalene, benzo(a) pyrene, benzo(b) fluoranthene and chrysene.

On February 15, 2007, Wisconsin Department of Safety and Professional Services (DSPS) granted PECFA eligibility to the aforementioned USTs and their associated contamination.

On September 29, 2011, Endeavor executed an Agent Contract to provide professional consulting services for site investigation and/or remedial activities associated with the confirmed petroleum release.

On October 31, 2011, Endeavor submitted a SIWP to the WDNR.

On December 8, 2011, WDNR notified Endeavor, via email, with approval to proceed with investigative activities proposed in the aforementioned SIWP.

On January 1, 2016, Endeavor personnel were on-site to collect a groundwater sample from the on-site potable well (PW-N2271). The potable well was purged for twenty minutes and a water sample was collected from the basement pressure tank. Potable water sample was appropriately preserved and submitted for VOC and PAH analysis.

On January 25, 2016, a total of five Geoprobe soil borings (GP-10 through GP-13) and five monitoring wells (MW-1 through MW-5) via hollow-stem auger were installed. A total of fifteen samples were preserved and submitted for laboratory analysis of PVOCs plus naphthalene and/or PAHs. Soil sample laboratory analytical results are summarized in Table A.2. Please note that there are two GP-10 borings identified by different dates on tables and notated with the sample year on the appropriate figures.

On February 2, 2016, Endeavor personnel were on-site to collect groundwater samples from monitoring wells MW-1 through MW-5 and temp well GP-13. The groundwater samples collected were submitted to Synergy for PVOC and PAH analysis, except GP-13 was only analyzed for PVOCs.

On May 10, 2016, Endeavor personnel were on-site to collect groundwater samples from monitoring wells MW-1 through MW-5. The groundwater samples collected were submitted to for PVOC plus naphthalene analysis.

On August 10, 2016, Endeavor personnel performed hydraulic conductivity testing on monitoring wells MW-2 and MW-5 using Bouwer and Rice hydraulic conductivity test.

On August 23, 2016, Endeavor personnel were on-site to collect groundwater samples from monitoring wells MW-1 through MW-5 and temporary well GP-13. The groundwater samples collected were submitted PVOC plus naphthalene analysis. The site potable well was also purged for twenty minutes and a potable sample was submitted for VOCs by EPA 524.2 analysis.

On November 3, 2016, Endeavor personnel were on-site to collect groundwater samples from monitoring wells MW-1 through MW-5 and temporary well GP-13. The groundwater samples collected were submitted for PVOC plus naphthalene analysis.

Endeavor prepared and submitted a Site Status Update to the WDNR dated December 16, 2016.

Endeavor prepared and submitted a Bid Deferment to the WDNR dated May 16, 2017.

WDNR issued a Public Bidding Deferment approval dated May 31, 2017.

On September 27, 2017, Endeavor personnel were on-site to collect groundwater samples from monitoring wells MW-4 and MW-5, site potable well and the basement sump. Depth to groundwater measurements were collected from the monitoring well network. Groundwater samples, along with the basement sump sample, were submitted for PVOC and PAH analysis. The site potable was purged for twenty minutes and a sample collected which was submitted to Pace for VOCs by EPA 524.2 analysis. Groundwater sample laboratory analytical results are summarized in Table A.1.

On July 13, 2019 a complete Site Investigation Report was received by the WDNR.

- ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.

Soil contamination exceeding WAC NR 720 groundwater pathway RCLs extends off the subject site into the USH45/STH 67 rights-of-way (ROW) just west of the subject site. The areas of contamination is relatively small and isolated from the approximate location of the former UST west to the location of GP-8 from 6 to 8 feet bgs.

No WAC NR 140 ES concentrations extend beyond the perimeter of the subject property.

- iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

Not applicable. The area of residual contamination at the subject site is relatively isolated to the area immediately surrounding the former UST location and therefore, the two structures on the property (residence and garage) do not appear to be structural impediments associated with the investigation of the site.

B. Soil

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

Soil contamination (unsaturated) exceeding WAC, NR 720 groundwater pathway RCLs was identified in and around the location of the former UST in soil samples GP-1, GP-2, GP-3, GP-8, GP-9 and GP-10.

Soil contamination (unsaturated) exceeding WAC, NR 720 non industrial direct contact RCLs in the upper four feet was identified in GP-3, GP-9 and GP-10. The direct contact exceedances identified in these borings were isolated to only these locations. With the isolated and relatively low level concentrations detected, it is feasible the PAH contamination at these two locations could be attributed to the subject site being located along the highway ROWs which have historically been constructed of asphalt.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.
Soil contamination (unsaturated) exceeding WAC, NR 720 groundwater pathway RCLs was identified in the upper four feet at the locations GP-1, GP-3, GP-9 and GP-10. The concentration identified in GP-10 (28 mg/kg) exceeds the WAC, NR 720 groundwater pathway RCL (27 mg/kg), but is below the background threshold (52 mg/kg) and therefore is likely naturally occurring.

Soil contamination (unsaturated) exceeding WAC, NR 720 direct contact RCLs in the upper four feet was identified in GP-3 GP-9 and GP-10. The direct contact exceedances identified in these borings were for PAH only and isolated to only these locations. With the isolated and relatively low level concentrations detected, it is feasible the PAH contamination at these three locations could be attributed to the subject site being located along the highway ROWs which have historically been constructed of asphalt.

- 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 WAC, NR 720 RCL spreadsheet was utilized as the soil cleanup standards for this site. The WDNR derives these standards from the US EPA Screening level web calculator.

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.

Groundwater contamination exceeding WAC, NR 140 ESs (GP-2) and WAC NR 140 PALs (MW-5, GP-1, GP-3 GP-5, and GP-8) is relatively isolated to the location in and around the former UST. Grab samples were collected from boring locations GP-2, GP-3, GP-5, GP-9 and GP-10 reported ES exceedances; however, these were not confirmed by nearby NR141 compliance monitoring wells MW-4 and MW-5.

No public water supply wells are located with 1,200 feet of the site. The subject property is serviced by an on-site potable well. Well construction specifications are unconfirmed. The well has been sampled and has consistently been clean with the location that the waterline enters the building being outside the residual contamination plume remaining at the site.

Site investigation activities have confirmed that utility corridors are not a conduit for contaminant migration as none are located within the plume.

- 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.

Not applicable. Free product has not been measured in the monitoring points associated with this site.

D. Vapor

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

Endeavor evaluated the risk of vapor intrusion using the vapor intrusion assessment screening criteria provided in the WDNR's "Addressing Vapor Intrusion at Remediation and Redevelopment Sites In Wisconsin (RR-800)" guidance document. Results of the evaluation using the hydraulic information, soil and groundwater contaminant concentrations and interpreted extent of the soil and groundwater contamination plumes, illustrated that none of the screening criteria are present at the site and therefore, there is minimal risk of vapor intrusion at the site based on the following:

- There is no NAPL present on site
- There is no groundwater with benzene concentrations >1 mg/L present associated with this site
- There is no residual soil present with the potential for off-gassing within 5 feet of the building
- There are no preferential pathways transecting the plume
- There are has been no odors present in the site building

- 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).

Not applicable. Based on 3.D.i. above, no vapor assessment was warranted at the site.

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.

No surface water or sediment are present within the residual contaminant plumes associated with this site, therefore it was not assess.

- 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.

Not applicable. See E.i.

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.

Not applicable. No remedial actions were conducted at the subject site.

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

Not applicable. No immediate or interim actions were performed under WAC NR 708 for 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.

Not applicable. See 4.A.

- 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.

Not applicable. See 4.A.

- 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.

Residual soil contamination (unsaturated) exceeding WAC, NR 720 groundwater pathway RCLs was identified in and around the location of the former UST in soil samples GP-1, GP-2, GP-3, GP-8, GP-9 and GP-10. This contamination extends to the location of GP-8 located in the USH 45/STH 67 ROW.

Soil contamination (unsaturated) exceeding WAC, NR 720 direct contact RCLs in the upper four feet was identified in GP-3 GP-9 and GP-10. The direct contact exceedances identified in these borings were isolated to only these locations. With the isolated and relatively low level concentrations detected, it is feasible the PAH contamination at these two locations could be attributed to the subject site being located along the highway ROWs which have historically been constructed of asphalt.

Groundwater contamination exceeding WAC, NR 140 ESs (GP-2) and WAC, NR 140 PALs (MW-5, GP-1, GP-3 GP-5, and GP-8) is relatively isolated to the location in and around the former UST. Based on monitoring conducted, it does not appear groundwater contamination exceeding the WAC NR 140 ESs extends off the subject site.

- 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.
- Soil contamination (unsaturated) exceeding WAC, NR 720 groundwater pathway RCLs was identified in the upper four feet at the locations GP-1, GP-9 and GP-10. The concentration identified in GP-10 (28 mg/kg) exceeds the WAC, NR 720 groundwater pathway RCL (27 mg/kg), but is below the background threshold (52 mg/kg) and therefore is likely naturally occurring.
- Soil contamination (unsaturated) exceeding WAC, NR 720 direct contact RCLs in the upper four feet was identified in GP-3, GP-9 and GP-10. The direct contact exceedances identified in these borings were for PAH only and isolated to only these locations. With the isolated and relatively low level concentrations detected, it is feasible the PAH contamination at these two locations could be attributed to the subject site being located along the highway ROWs which have historically been constructed of asphalt.
- 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.
- Residual soil contamination (unsaturated) exceeding WAC, NR 720 groundwater pathway RCLs was identified in and around the location of the former UST in soil samples GP-1, GP-2, GP-3, GP-8 GP-9 and GP-10. This contamination extends to the location of GP-8 and GP-9 located in the USH 45/STH 67 ROW.
- 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.
- The residual contamination mass at the subject site is isolated to the location of the former UST and locations immediately surrounding that area. Based on the low level residual soil and groundwater contamination remaining at the subject site, the residual contaminant mass will be addressed by natural attenuation which will continue to naturally degrade the plume over time.
- No vapor mitigation systems are present or in place at the subject site.
- 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).
- Based on the fact that the source of the contamination, the former UST system is no longer in place, and the fact that the groundwater plume appears stable/decreasing, it appears that residual contamination associated with the subject site will continue to naturally attenuate over time 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).
- Not applicable. No immediate interim or remedial actions were conducted at the site.
- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
- Not applicable. See 4.A.
- 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.
- Not applicable.
- 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.
- Not applicable. See discussion in 3.D.i.
- 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.
- Not applicable. See discussion in 3.E.i.

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 type="checkbox"/>	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Not Abandoned (filled and sealed)	NA
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Continued Monitoring (requested or required)	Yes
v.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	<input checked="" 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

- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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://dnrm.wi.gov/si/?Viewer=RR Sites](http://dnrm.wi.gov/si/?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)

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.

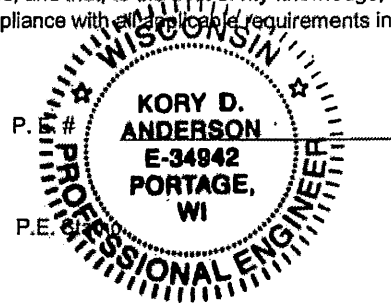
- The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- The investigation and the response action(s) for this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

Engineering Certification

I, Kory D. Anderson, 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 Kory D. Anderson

Title Vice President



Hydrogeologist Certification

I, Joseph M. Ramcheck, 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 Joseph M. Ramcheck

Title Senior Hydrologist

Date 07/02/2021

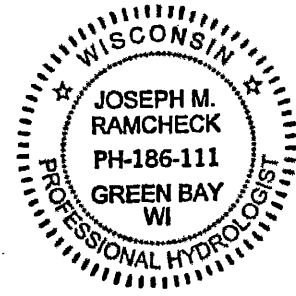


Table A.1.
Groundwater Analytical Table
Old Dutch Mill
Town of Auburn, Wisconsin

Volatile Organic Compounds

Sample ID	Sample Date	Benzene	Ethyl- benzene	Toluene	Total Xylenes	Total TMBs	MTBE	Naphthalene	sec- Butylbenzene	p-isopropyl- toluene	n-Propyl- benzene	Chloroform	Lead	GW Depth (ft bgs)	Groundwater elevation
GP-1-W	8/24/2006	<2.0	12	<3.4	29.5	323	<3.0	17	<4.4	39	44	<1.8	7.2	--	--
GP-2-W	8/24/2006	92	900	6,100	2,750	1,010	<30	390	<44	47	120	<18	4.0	--	--
GP-3-W	8/24/2006	<8.2	49	<13	131	450	<12	69	<18	54	77	<7.4	0.5	--	--
GP-5-W	8/24/2006	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.74	<0.89	<0.67	<0.81	<0.37	<0.40	--	--
GP-7-W	8/24/2006	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.74	<0.89	<0.67	<0.81	<0.37	<0.40	--	--
GP-8-W	8/24/2006	<0.82	41	<1.3	15.7	131	<1.2	26	5.4	17	33	<0.74	100*	--	--
GP-9-W	8/24/2006	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.74	<0.89	<0.67	<0.81	<0.37	<0.40	--	--
GP-10-W	8/24/2006	<0.41	<0.54	20	<2.63	<1.80	<0.61	1.0	<0.89	0.78	<0.81	<0.37	<0.40	--	--
PW-N2271	1/1/2016	<0.50	<0.50	<0.50	<1.50	<1.0	<0.17	<2.5	<2.2	<0.50	<0.50	<2.5	NA	--	--
	8/23/2016	<0.41	<0.54	<0.67	<2.63	<1.80	<0.61	<0.74	<0.89	<0.67	<0.81	<0.35	0.46	--	--
	9/27/2017	<0.11	<0.14	0.67	<0.24	NA	NA	NA	NA	<0.088	NA	1.6	NA	--	--
GP-13	2/2/2016	<i>1.78</i>	16.9	13.4	130	98.4	<0.49	NA	NA	NA	NA	NA	NA	6.15	--
	8/23/2016	<0.46	<0.73	<0.39	<2.06	<1.51	<0.49	<2.6	NA	NA	NA	NA	NA	6.96	--
	11/3/2016	<0.30	<0.40	<0.37	<1.3	<0.66	<0.12	<0.18	NA	NA	NA	NA	NA	6.29	--
MW-1	2/2/2016	<0.46	<0.73	0.40 J	<2.06	<1.51	<0.49	0.030 J	NA	NA	NA	NA	NA	7.66	998.62
	5/10/2016	<0.44	<0.71	<0.44	<3.1	<3.1	<1.1	<1.6	NA	NA	NA	NA	NA	6.79	999.49
	8/23/2016	<0.46	<0.73	<0.39	<2.06	<1.51	<0.49	<2.6	NA	NA	NA	NA	NA	8.00	998.28
	11/3/2016	<0.30	<0.40	<0.37	<1.3	<0.66	<0.12	<0.18	NA	NA	NA	NA	NA	7.36	998.92
MW-2	9/27/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.98	998.30
	2/2/2016	<0.46	<0.73	0.39 J	<2.06	<1.51	<0.49	0.021 J	NA	NA	NA	NA	NA	4.75	998.41
	5/10/2016	<0.44	<0.71	<0.44	<3.1	<3.1	<1.1	<1.6	NA	NA	NA	NA	NA	3.89	999.27
	8/23/2016	<0.46	<0.73	0.42 J	<2.06	<1.51	<0.49	<2.6	NA	NA	NA	NA	NA	5.09	998.07
MW-3	11/3/2016	<0.30	<0.40	<0.37	<1.3	<0.66	<0.12	<0.18	NA	NA	NA	NA	NA	4.50	998.66
	9/27/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.09	998.07
	2/2/2016	<0.46	<0.73	0.49 J	<2.06	<1.51	<0.49	0.025 J	NA	NA	NA	NA	NA	1.86	998.46
	5/10/2016	<0.44	<0.71	<0.44	<3.1	<3.1	<1.1	<1.6	NA	NA	NA	NA	NA	0.98	999.34
MW-4	8/23/2016	<0.46	<0.73	<0.39	<2.06	<1.51	<0.49	<2.6	NA	NA	NA	NA	NA	2.21	998.11
	11/3/2016	<0.37	<0.40	<0.37	<1.3	<0.66	<0.12	<0.18	NA	NA	NA	NA	NA	1.57	998.75
	9/27/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.13	998.19
	2/2/2016	<0.46	<0.73	2.19	<2.06	<1.51	<0.49	0.031 J	NA	NA	NA	NA	NA	4.62	998.48
MW-5	5/10/2016	<0.44	<0.71	<0.44	<3.1	<3.1	<1.1	<1.6	NA	NA	NA	NA	NA	3.73	999.37
	8/23/2016	<0.46	<0.73	0.62 J	<2.06	<1.51	<0.49	<2.6	NA	NA	NA	NA	NA	4.95	998.15
	11/3/2016	<0.30	<0.40	<0.37	<1.3	<0.66	<0.12	<0.18	NA	NA	NA	NA	NA	4.31	998.79
	9/27/2017	<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	NA	NA	NA	NA	NA	NA	4.93	998.17
Sump	2/2/2016	<23	410	370	837	847	<24.5	268	NA	NA	NA	NA	NA	5.03	998.45
	5/10/2016	<22	163	73	294 J	598 J	<55	304	NA	NA	NA	NA	NA	4.12	999.36
	8/23/2016	<i>4.8 J</i>	183	56	292	579	<4.9	173	NA	NA	NA	NA	NA	5.37	998.11
	11/3/2016	<i>0.63 J</i>	88	29	170	330	<0.12	89	NA	NA	NA	NA	NA	4.28	999.20
NR 140 enforcement standard	9/27/2017	<2.0	79.1	30.3	135.6	<i>189.3</i>	<2.4	NA	NA	NA	NA	NA	NA	5.33	998.15
	NR 140 enforcement standard	5	700	800	2,000	480	60	100	NS	NS	NS	6	15	--	--
	NR 140 preventive action limit	0.5	140	160	400	96	12	10	NS	NS	NS	0.6	1.5	--	--

Notes: ⁽¹⁾ Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

All concentrations reported are in parts per billion (ug/L)

(*) - unfiltered sample

Bold value represents exceedance of NR 140 enforcement standard

Italic value represents exceedance of NR 140 preventive action limit

TMB: trimethylbenzene NA: not analyzed/not applicable

Table A.1. (continued)
Groundwater Analytical Table
Old Dutch Mill
Town of Auburn, Wisconsin

Polycyclic Aromatic Hydrocarbons

Sample ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
GP-1-W	8/24/2006	<0.86	<0.85	<1.2	<1.6	<1.9	<1.6	<2.0	<2.0	<2.0	<2.0	<1.6	<0.95	<2.0	64	85	44	<1.2	<1.5
GP-2-W	8/24/2006	4.5	<3.9	<5.6	<7.5	<8.8	<7.5	<9.3	<9.1	<9.1	<9.1	<7.5	6.7	<9.1	2,500	5,900	5,200	10	<7.0
GP-3-W	8/24/2006	<0.82	1.5	1.4	3.2	3.8	3.5	2.5	3.4	4	<1.9	9.5	1.1	<1.9	370	850	320	4.4	7
GP-5-W	8/24/2006	<0.0082	0.048	0.034	0.13	0.25	0.28	0.26	0.19	<i>0.17</i>	0.061	0.29	<0.0091	0.2	0.088	0.2	0.11	0.089	<0.24
GP-7-W	8/24/2006	<0.0082	<0.0081	<0.012	<0.016	<0.018	0.016	<0.019	<0.019	<0.019	<0.019	0.033	<0.0091	<0.019	0.039	0.079	0.06	0.018	0.025
GP-8-W	8/24/2006	<1.1	2.4	2.4	16	21	20	13	16	16	2.7	25	<1.2	10	97	210	110	3.1	24
GP-9-W	8/24/2006	0.051	0.071	0.14	0.38	0.75	0.44	0.38	0.36	0.36	0.099	0.82	0.084	0.31	0.037	0.08	0.099	0.4	0.61
GP-10-W	8/24/2006	0.19	0.046	0.047	0.1	0.74	<i>0.14</i>	0.12	0.12	<i>0.12</i>	<0.075	0.24	0.066	0.096	0.71	0.12	0.97	0.28	0.2
PW-N2271	8/24/2006	<0.0082	<0.0081	<0.012	<0.016	0.21	<0.016	0.019	<0.019	<0.019	<0.019	<0.015	<0.0091	<0.019	<0.010	0.015	0.029	<0.011	<0.015
	1/1/2016	<0.0050	<0.0049	<0.0040	<0.0051	<0.0044	<0.0053	0.010 J	<0.0056	<0.0042	0.016 J	<0.0094	<0.0040	0.016 J	<0.0031	0.0037 J	0.012 J	<0.0077	<0.0077
	9/27/2017	<0.0061	<0.0050	<0.010	<0.0076	<0.011	<0.0057	<0.0068	<0.0076	<0.013	<0.010	<0.011	<0.0080	<0.018	<0.0059	<0.0049	<0.018	<0.014	<0.0076
MW-1	2/2/2016	<0.02	<0.021	0.024 J	0.042 J	<i>0.032 J</i>	<i>0.054 J</i>	0.031 J	0.020 J	<i>0.035 J</i>	<0.025	0.082	0.019 J	0.022 J	0.029 J	0.029 J	0.030 J	0.055	0.071
MW-2	2/2/2016	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	<0.017	0.021 J	0.026 J	<0.018
MW-3	2/2/2016	<0.02	<0.021	<0.02	0.033 J	<i>0.026 J</i>	<i>0.039 J</i>	0.036 J	0.039 J	<i>0.031 J</i>	<0.025	0.026 J	<0.017	0.033 J	<0.018	0.022 J	0.025 J	0.025 J	0.024 J
MW-4	2/2/2016	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	<0.018	<0.017	<0.018	<0.018	0.020 J	0.031 J	0.028 J	<0.018
	9/27/2017	<0.0061	<0.0050	<0.010	<0.0076	<0.011	<0.0057	<0.0068	<0.0076	<0.013	<0.010	<0.011	<0.0080	<0.018	<0.0059	<0.0049	<0.018	<0.014	<0.0076
MW-5	2/2/2016	<2	<2.1	<2	<1.9	<1.9	<1.9	<2.4	<1.8	<1.7	<2.5	<1.8	<1.7	<1.8	70	152	268	<1.7	<1.8
	9/27/2017	<0.018	<0.015	<0.031	<0.023	<0.032	<0.017	<0.020	<0.023	<0.039	<0.030	<0.032	<0.024	<0.053	9.9	15.3	37.3	<0.041	<0.023
Sump	9/27/2017	<0.0061	0.0070 J	<0.010	<0.0076	<0.011	<0.0057	<0.0068	<0.0076	<0.013	<0.010	<0.011	<0.0080	<0.018	0.013 J	0.0064 J	0.036 J	<0.014	<0.0076
NR 140 enforcement standard		NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	NS	NS	100	NS	250
NR 140 preventive action limit		NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	NS	NS	10	NS	50

Notes: ^J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
All concentrations reported are in parts per billion (ug/L)
Bold value represents exceedance of NR 140 enforcement standard
NS: no standard

Table A.2.
Soil Analytical Results Table
Old Dutch Mill
Town of Auburn, Wisconsin

Sample ID	Sample Date	Sample Depth (feet bgs)	PID (ppm eq)	Saturated / Unsaturated	DRO	GRO	Benzene	Ethyl-benzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	Isopropyl-benzene	p-Isopropyl-toluene	s-Butyl-benzene	n-Propyl-benzene	Lead	
GP-1-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<3.7	<3.1	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	84	
GP-1-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	<4.1	40	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	8.1	
GP-1-6	8/24/2006	10.0 - 12.0	NA	Saturated	15	140	<25	<25	<25	<75	990	420	53	120	430	150	230	4.2	
GP-2-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<3.7	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	3.1	
GP-2-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	100	720	<100	4,500	2,500	14,600	14,000	5,200	3,000	610	600	420	2,400	8.1	
GP-2-6	8/24/2006	10.0 - 12.0	NA	Saturated	9	38	<25	1,100	1,500	3,100	2,100	990	950	160	270	130	430	5.7	
GP-3-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	20	<2.6	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	19	
GP-3-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	<4.9	20	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	7.2	
GP-3-6	8/24/2006	10.0 - 12.0	NA	Saturated	170	810	<25	160	<25	442	3,900	2,600	630	670	2,400	1,200	1,500	4.5	
GP-4-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<4.1	<3.0	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	9.3	
GP-4-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	<4.2	<3.1	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	4.9	
GP-5-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<4.5	<2.9	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	6.1	
GP-5-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	<3.3	<2.6	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	2.5	
GP-6-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<3.9	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	8.2	
GP-7-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<4.2	<2.8	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	5.2	
GP-7-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	<3.6	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	1.8	
GP-8-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<4.4	<2.9	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	7.4	
GP-8-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	230	340	<50	100	<50	<150	1,200	930	530	210	450	210	430	5.7	
GP-8-6	8/24/2006	10.0 - 12.0	NA	Saturated	300	760	<120	150	<120	<370	860	780	200	310	660	320	520	3.2	
GP-9-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	10	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	25	
GP-9-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	<4.6	<3.3	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	12	
GP-9-6	8/24/2006	10.0 - 12.0	NA	Saturated	<4.1	<3.0	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	6.3	
GP-10-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	6.2	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	28	
GP-10-6	8/24/2006	10.0 - 12.0	NA	Saturated	<4.4	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	1.8	
GP-10 S-2	1/25/2016	2.0-4.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<20.3	NA	NA	NA	NA	NA	
GP-10 S-3	1/25/2016	4.0-6.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-10 S-4	1/25/2016	6.0-8.0	0.7	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-11 S-2	1/25/2016	2.0-4.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-11 S-4	1/25/2016	6.0-8.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-12 S-2	1/25/2016	2.0-4.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-12 S-3	1/25/2016	4.0-6.0	0.7	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-12 S-4	1/25/2016	6.0-8.0	1.4	Unsaturated	NA	NA	<25	<25	25.2 J	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-13 S-3	1/25/2016	4.0-6.0	0.7	Unsaturated	NA	NA	<25	<25	29.7 J	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-13 S-4	1/25/2016	6.0-8.0	2.2	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-14 S-3	1/25/2016	4.0-6.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
GP-14 S-4	1/25/2016	6.0-8.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
MW-1 S-3	1/25/2016	4.0-6.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
MW-1 S-4	1/25/2016	6.0-8.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
MW-3 S-2	1/25/2016	2.0-4.0	0	Unsaturated	NA	NA	<25	<25	<25	<75	<25	<25	<25	NA	NA	NA	NA	NA	
Calculated RCLs (groundwater protection)					NS	NS	5.1	1,570	1,107	3,960	1387.7			658	NS	NS	NS	NS	27
Calculated RCLs (direct contact/non-industrial site)					NS	NS	1,600	8,020	818,000	260,000	219,000	182,000	5,520	NS	162,000	145,000	NS	NS	400
Calculated RCLs (direct contact/industrial site)					NS	NS	7,070	35,400	818,000	260,000	219,000	182,000	24,100	NS	NS	145,000	NS	NS	800
Cancer RCL (non-industrial site)					NS	NS	1,600	8,020	NS	NS	NS	NS	5,520	NS	NS	NS	NS	NS	NS
Non Cancer RCL (non-industrial)					NS	NS	106,000	4,080,000	5,240,000	818,000	373,000	339,000	178,000	NS	NS	7,820,000	NS	NS	400
Cancer RCL (industrial site)					NS	NS	7,070	35,400	NS	NS	NS	NS	24,100	NS	NS	NS	NS	NS	NS
Non Cancer RCL (industrial)					NS	NS	587,000	27,400,000	55,300,000	3,570,000	2,390,000	2,060,000	830,000	NS	NS	117,000,000	NS	NS	80

Notes: All concentrations reported are in parts per billion (ug/kg) except DRO, GRO and Lead reported in parts per million (mg/kg)

Calculated RCLs were found on WDNR on-line RCL spreadsheet updated December 2018

Bold value represents an exceedance of calculated RCLs (groundwater protection)

bgs: below ground surface

PID: photoionization detector

ppm eq: parts per million equivalent

DRO: diesel range organics

GRO: gasoline range organics

TMB: trimethylbenzene

MTBE: methyl tert-butyl ether

NA: not analyzed/not applicable

NS: no standard

Table A.2. (continued)
Soil Analytical Results Table
Old Dutch Mill
Town of Auburn, Wisconsin

Polycyclic Aromatic Hydrocarbons

Sample ID	Sample Date	Saturated / Unsaturated	Sample Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
GP-1-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.7	<3.6	6.2	8.9	8.5	21	16	16	11	4	8.6	<4.3	13	<3.8	<3.9	<5.0	4.8	7.3
GP-1-4	8/24/2006	Unsaturated	6.0 - 8.0	<3.6	<3.5	<4.3	<6.4	<3.5	<3.4	<4.3	<3.7	<5.3	<3.3	<3.5	<4.1	<3.0	<3.7	<3.8	<4.9	<3.6	<3.0
GP-1-6	8/24/2006	Saturated	10.0 - 12.0	<3.5	<3.4	<4.2	<6.3	<3.4	<3.3	<4.2	<3.6	<5.2	<3.3	<3.4	<4.0	<3.0	12	18	11	<3.5	<2.9
GP-2-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.2	7	4.8	<5.6	4.2	4.3	6.2	4.8	5	<2.9	3.7	<3.6	<2.7	<3.2	<3.3	6	<3.1	4
GP-2-4	8/24/2006	Unsaturated	6.0 - 8.0	<7.2	<7.0	<8.6	<13	<7.0	<6.8	<8.6	<7.4	<11	<6.7	<7.0	<8.3	<6.1	690	1,600	1,100	7.2	<6.0
GP-2-6	8/24/2006	Saturated	10.0 - 12.0	<3.6	<3.5	<4.3	<6.5	<3.5	<3.4	<4.3	<3.7	<5.3	<3.4	<3.5	<4.2	<3.1	79	200	240	<3.6	<3.0
GP-3-2	8/24/2006	Unsaturated	2.0 - 4.0	11	110	190	980	1,300	1,200	630	1,400	1,200	220	1,800	14	600	<11	<11	<14	330	1,600
GP-3-4	8/24/2006	Unsaturated	6.0 - 8.0	<3.6	<3.5	<4.3	<6.4	<3.5	<3.4	<4.3	<3.7	<5.3	<3.3	<3.5	<4.1	<3.0	<3.7	<3.8	16	<3.6	<3.0
GP-3-6	8/24/2006	Saturated	10.0 - 12.0	<3.5	14	17	62	74	65	44	73	72	12	110	5.9	36	190	480	180	53	120
GP-4-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.6	<3.5	<4.3	<6.5	<3.5	<3.4	<4.3	<3.7	<5.3	<3.4	3.9	<4.2	<3.1	<3.7	<3.8	<4.9	<3.6	3.4
GP-4-4	8/24/2006	Unsaturated	6.0 - 8.0	<3.6	<3.5	<4.4	<6.5	<3.5	<3.4	<4.4	<3.8	<5.3	<3.4	<3.5	<4.2	<3.1	<3.7	<3.8	<4.9	<3.6	<3.0
GP-5-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.4	<3.3	<4.1	<6.1	4.1	4.5	5.6	4.2	<5.0	<3.2	4.2	<3.9	4.2	<3.5	<3.6	<4.6	<3.4	3.8
GP-5-4	8/24/2006	Unsaturated	6.0 - 8.0	<3.1	<3.0	<3.8	<5.6	<3.0	<3.0	<3.8	<3.2	<4.6	<2.9	<3.0	<3.6	<2.7	<3.2	<3.3	<4.2	<3.1	<2.6
GP-6-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.2	<3.1	<3.8	<5.7	<3.1	<3.0	<3.8	<3.3	<4.7	<3.0	4	<3.7	<2.7	<3.2	<3.4	2.1	7.4	3.2
GP-7-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.3	<3.2	<3.9	<5.8	<3.2	<3.1	<3.9	<3.4	<4.8	<3.0	<3.2	<3.8	<2.8	<3.3	<3.4	<4.4	<3.2	<2.7
GP-7-4	8/24/2006	Unsaturated	6.0 - 8.0	<3.2	<3.1	<3.9	<5.8	<3.1	<3.1	<3.9	<3.3	<4.8	<3.0	<3.1	<3.7	<2.7	<3.3	<3.4	<4.4	<3.2	<2.7
GP-8-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.5	<3.4	<4.2	12	24	21	26	20	16	6.7	13	<4.0	19	<3.6	<3.7	<4.7	<3.5	17
GP-8-4	8/24/2006	Unsaturated	6.0 - 8.0	<3.4	<3.3	<4.0	<6.0	5	4.5	4.9	5	<5.0	<3.1	<3.3	<3.9	4.2	270	730	340	3.5	4
GP-8-6	8/24/2006	Saturated	10.0 - 12.0	<3.2	<3.1	<3.9	<5.7	<3.1	<3.0	<3.9	<3.3	<4.7	<3.0	<3.1	<3.7	<2.7	230	430	<4.3	3.4	<2.7
GP-9-2	8/24/2006	Unsaturated	2.0 - 4.0	4.6	23	43	190	<i>270</i>	230	200	230	220	<i>69</i>	360	13	<i>180</i>	<3.2	<3.3	4.9	80	290
GP-9-4	8/24/2006	Unsaturated	6.0 - 8.0	<4.0	<3.8	<4.7	<7.1	<3.8	<3.7	<4.7	<4.1	<5.8	<3.7	<3.8	<4.5	<3.3	<4.0	<4.2	<5.3	<3.9	<3.3
GP-9-6	8/24/2006	Saturated	10.0 - 12.0	<3.6	<3.5	<4.3	<6.4	<3.5	<3.4	<4.3	<3.7	<5.3	<3.3	<3.5	<4.1	<3.0	<3.6	<3.8	<4.8	<3.6	<3.0
GP-10-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.3	7.7	20	110	<i>140</i>	140	81	130	130	27	220	<3.8	78	<3.3	<3.4	<4.4	64	190
GP-10-6	8/24/2006	Saturated	10.0 - 12.0	<3.2	<3.1	<3.9	<5.8	<3.1	<3.1	<3.9	<3.3	<4.7	<3.0	<3.1	<3.7	<2.7	<3.3	<3.4	<4.4	<3.2	<2.7
GP-11 5-2	1/25/2016	Unsaturated	2.0-4.0	<20.1	<19.8	<17.1	<19.1	<14.3	<19.0	<20.0	<17.4	<19.2	<15.0	<19.2	<18.4	<16.5	<20.5	<19.9	<20.3	<19.8	<19.2
WDNR Suggested RCL (groundwater Pathway)				NS	NS	196,949	NS	470	479	NS	NS	145	NS	88,878	14,830	NS	NS	NS	658	NS	54,546
WDNR Suggested RCL (non-industrial direct contact)				3,590,000	NS	17,900,000	1,140	115	1,150	NS	11,500	115,000	115	2,390,000	2,390,000	1,150	17,600	239,000	5,520	NS	1,790,000
WDNR Suggested RCL (industrial direct contact)				45,200,000	NS	100,000,000	20,800	2,110	21,100	NS	21,100	2,110,000	2,110	30,100,000	30,100,000	21,100	72,700	3,010,000	24,100	NS	22,600,000

Notes: **Bold** values represent an exceedance of WDNR Suggested RCLs (groundwater pathways)
Italic values represent an exceedance of WDNR Suggested RCLs (non-industrial direct contact)
 All concentrations reported are in parts per billion (ug/kg)
 bgs: below ground surface
 RCL: residual contaminant level

Table A.3.
Residual Soil Contamination Table
Old Dutch Mill
Town of Auburn, Wisconsin

Sample ID	Sample Date	Sample Depth (feet bgs)	PID (ppm eq)	Saturated / Unsaturated	DRO	GRO	Benzene	Ethyl-benzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	Naphthalene	Isopropyl-benzene	p-Isopropyl-toluene	s-Butyl-benzene	n-Propyl-benzene	Lead
GP-1-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	<3.7	<3.1	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	84
GP-2-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	100	720	<100	4,500	2,500	14,600	14,000	5,200	3,000	610	600	420	2,400	8.1
GP-2-6	8/24/2006	10.0 - 12.0	NA	Saturated	9	38	<25	1,100	1,500	3,100	2,100	990	950	160	270	130	430	5.7
GP-3-6	8/24/2006	10.0 - 12.0	NA	Saturated	170	810	<25	160	<25	442	3,900	2,600	630	670	2,400	1,200	1,500	4.5
GP-8-4	8/24/2006	6.0 - 8.0	NA	Unsaturated	230	340	<50	100	<50	<150	1,200	930	530	210	450	210	430	5.7
GP-8-6	8/24/2006	10.0 - 12.0	NA	Saturated	300	760	<120	150	<120	<370	860	780	200	310	660	320	520	3.2
GP-9-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	10	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	25
GP-10-2	8/24/2006	2.0 - 4.0	NA	Unsaturated	6.2	<2.7	<25	<25	<25	<75	<25	<25	<25	<25	<25	<25	<25	28
Calculated RCLs (groundwater protection)					NS	NS	5.1	1,570	1,107	3,960	1387.7		658	NS	NS	NS	NS	27
Calculated RCLs (direct contact/non-industrial site)					NS	NS	1,600	8,020	818,000	260,000	219,000	182,000	5,520	NS	162,000	145,000	NS	400
Calculated RCLs (direct contact/industrial site)					NS	NS	7,070	35,400	818,000	260,000	219,000	182,000	24,100	NS	NS	145,000	NS	800
Cancer RCL (non-industrial site)					NS	NS	1,600	8,020	NS	NS	NS	NS	5,520	NS	NS	NS	NS	NS
Non Cancer RCL (non-industrial)					NS	NS	106,000	4,080,000	5,240,000	818,000	373,000	339,000	178,000	NS	NS	7,820,000	NS	400
Cancer RCL (industrial site)					NS	NS	7,070	35,400	NS	NS	NS	NS	24,100	NS	NS	NS	NS	NS
Non Cancer RCL (industrial)					NS	NS	587,000	27,400,000	55,300,000	3,570,000	2,390,000	2,060,000	830,000	NS	NS	117,000,000	NS	80

Notes: All concentrations reported are in parts per billion (ug/kg) except DRO, GRO and Lead reported in parts per million (mg/kg)

Calculated RCLs were found on WDNR on-line RCL spreadsheet updated December 2018

Bold value represents an exceedance of calculated RCLs (groundwater protection)

Italic values represent an exceedance of WDNR Suggested RCLs (non-industrial direct contact)

bgs: below ground surface
PID: photoionization detector
ppm eq: parts per million equivalent
DRO: diesel range organics
GRO: gasoline range organics

TMB: trimethylbenzene
MTBE: methyl tert-butyl ether
NA: not analyzed/not applicable
NS: no standard

Table A.3.
Residual Soil Contamination Table
Old Dutch Mill
Town of Auburn, Wisconsin

Polycyclic Aromatic Hydrocarbons

Sample ID	Sample Date	Saturated / Unsaturated	Sample Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo (g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene
GP-2-4	8/24/2006	Unsaturated	6.0 - 8.0	<7.2	<7.0	<8.6	<13	<7.0	<6.8	<8.6	<7.4	<11	<6.7	<7.0	<8.3	<6.1	690	1,600	1,100	7.2	<6.0
GP-3-2	8/24/2006	Unsaturated	2.0 - 4.0	11	110	190	980	1,300	1,200	630	1,400	1,200	220	1,800	14	600	<11	<11	<14	330	1,600
GP-3-6	8/24/2006	Saturated	10.0 - 12.0	<3.5	14	17	62	74	65	44	73	72	12	110	5.9	36	190	480	180	53	120
GP-9-2	8/24/2006	Unsaturated	2.0 - 4.0	4.6	23	43	190	270	230	200	230	220	69	360	13	180	<3.2	<3.3	4.9	80	290
GP-10-2	8/24/2006	Unsaturated	2.0 - 4.0	<3.3	7.7	20	110	140	140	81	130	130	27	220	<3.8	78	<3.3	<3.4	<4.4	64	190
WDNR Suggested RCL (groundwater Pathway)				NS	NS	196,949	NS	470	479	NS	NS	145	NS	88,878	14,830	NS	NS	NS	658	NS	54,546
WDNR Suggested RCL (non-industrial direct contact)				3,590,000	NS	17,900,000	1,140	115	1,150	NS	11,500	115,000	115	2,390,000	2,390,000	1,150	17,600	239,000	5,520	NS	1,790,000
WDNR Suggested RCL (industrial direct contact)				45,200,000	NS	100,000,000	20,800	2,110	21,100	NS	21,100	2,110,000	2,110	30,100,000	30,100,000	21,100	72,700	3,010,000	24,100	NS	22,600,000

Notes: **Bold** values represent an exceedance of WDNR Suggested RCLs (groundwater pathways)
Italic values represent an exceedance of WDNR Suggested RCLs (non-industrial direct contact)
 All concentrations reported are in parts per billion (ug/kg)
 bgs: below ground surface
 RCL: residual contaminant level

TABLE A.4
VAPOR ANALYTICAL TABLE
Old Dutch Mill
Town of Auburn, WI

Sample Date	Residential Indoor Air	Residential Sub-slab	Small Commercial Sub-slab	6/25/2020
Sampling No.	ug/m3			
<i>VOLATILE ORGANIC COMPOUNDS (VOC) (ug/m3)</i>				
Benzene	3.6	120	530	1.44
Chloroform	1.2	40	180	NA
1,1 Dichloroethane	18	600	2600	NA
1,2 Dichloroethane	1.1	37	160	NA
1,1-Dichloroethene	NS	7000	29000	NA
cis-1,2-Dichloroethene	NS	NS	NS	NA
trans-1,2-Dichloroethene	NS	NS	NS	NA
Ethylbenzene	11	370	1600	<0.203
Trichlorofluoromethane	NS	NS	NS	NA
Dichlorodifluoromethane	100	3300	15000	NA
Methylene Chloride	630	21000	87000	NA
Methyl Tert-Butyl Ether	110	3700	16000	<0.16
Naphthalene	0.83	28	120	<0.675
Tetrachloroethylene	42	1400	6000	NA
Toluene	5200	170000	730000	0.83
1,1,1-Trichloroethane	5200	170000	730000	NA
Trichloroethylene	2.1	70	290	NA
1,2,4-Trimethylbenzene	7.3	240	1000	<0.283
1,3,5-Trimethylbenzene	NS	NS	NS	<0.232
Acetone	32000	1,066,666	4,666,666	NA
Carbon Disulfide	4.7	730	3,100	NA
Cyclohexane	1000	210,000	866,666	NA
Ethanol	NS	NS	NS	NA
4-Ethyltoluene	NS	NS	NS	NA
Heptane	420	NS	NS	NA
Hexane	730	24,333	103,333	NA
Isopropyl Alcohol	NS	NS	NS	NA
Methyl ethyl ketone	5200	NS	NS	NA
Methyl isobutyl ketone	3100	NS	NS	NA
Propene	NS	NS	NS	NA
Styrene	1000	NS	NS	NA
Tetrahydrofuran	2100	NS	NS	NA
Tetrachloroethene	NS	NS	NS	NA
Vinyl chloride	1.7	57	930	NA
m&p-Xylene	100	3300	15000	0.39 J
o-Xylene	100	3300	15000	<0.218

UG/M³ - Micrograms per Cubic Meter of Air
 Bold indicates analytical results exceed sub-slab screening level
 VP-1 Commercial Sub-Slab
 VP-2 Commercial Sub-Slab
 Samples were collected over 1 hour period
 NS: No Standard
 NA: Not Analyzed

A.5.OTHER MEDIA OF CONCERN

NOT APPLICABLE – NO OTHER MEDIA OF CONCERN

A.6. WATER LEVEL ELEVATIONS

SEE TABLE A.1. GROUNDWATER ANALYTICAL TABLE

A.7.OTHER

NOTA APPLICABLE: NO OTHER DATA WAS COLLECTED ASSOCIATED WITH THIS SITE

ATTACHMENT B
MAPS, FIGURES AND PHOTOS

B.1. LOCATION MAPS

B.1.a LOCATION MAP

SEE ATTACHED



B.1.a. Location Map



Legend

- Open Site



NAD_1983_HARN_Wisconsin_TM

1:7,920



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

Note: Not all sites are mapped.

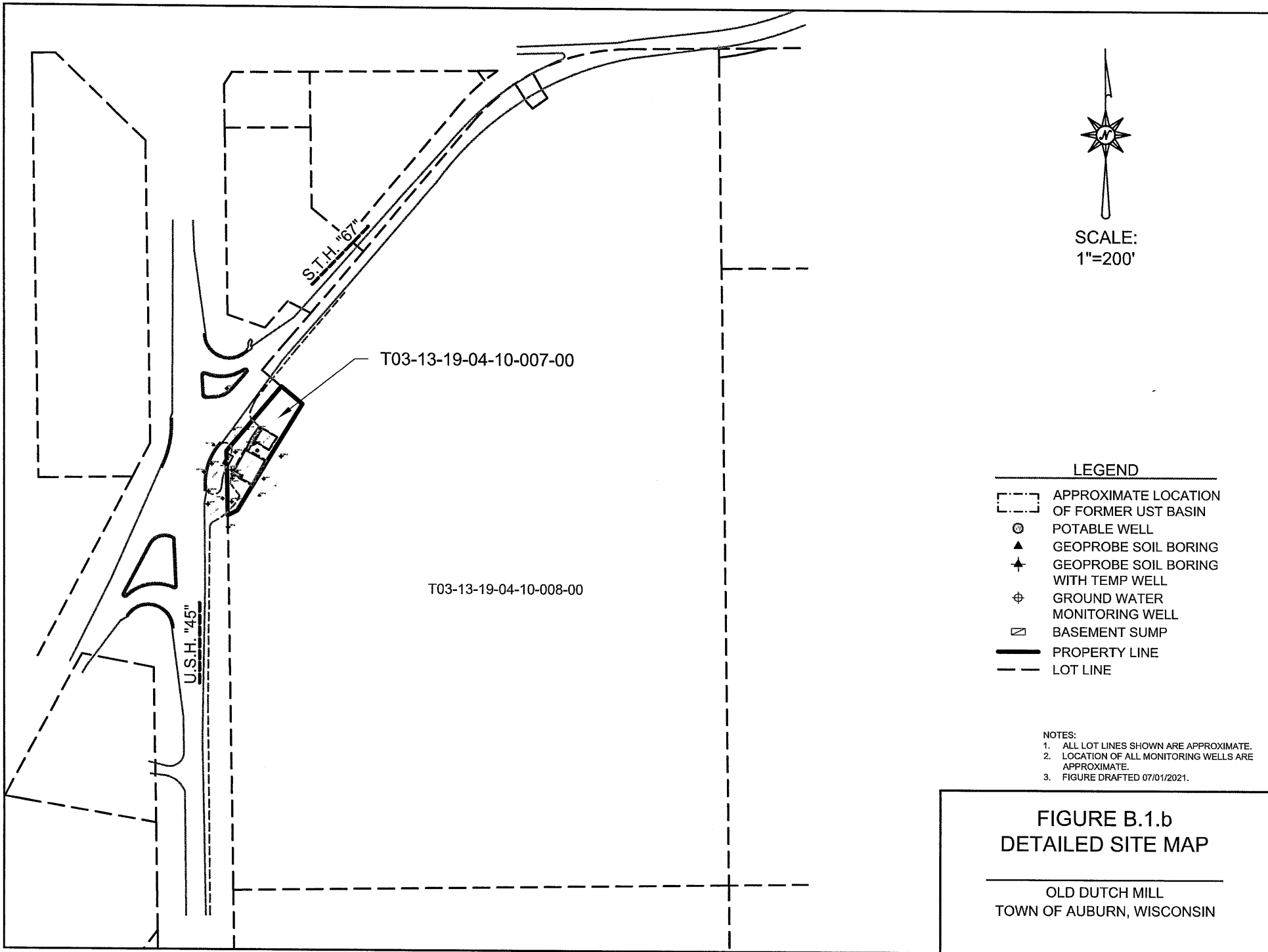
Notes

B.1.b. DETAILED SITE MAP

SEE ATTACHED









THE SITE PARCELS ARE LARGE, MAKING DETAIL OF B.1.b DIFFICULT TO READ.

FIGURE B.1.b.1 DETAILED SITE MAP IS INCLUDED TO SHOW SITE DETAIL



SCALE:
1"=200'

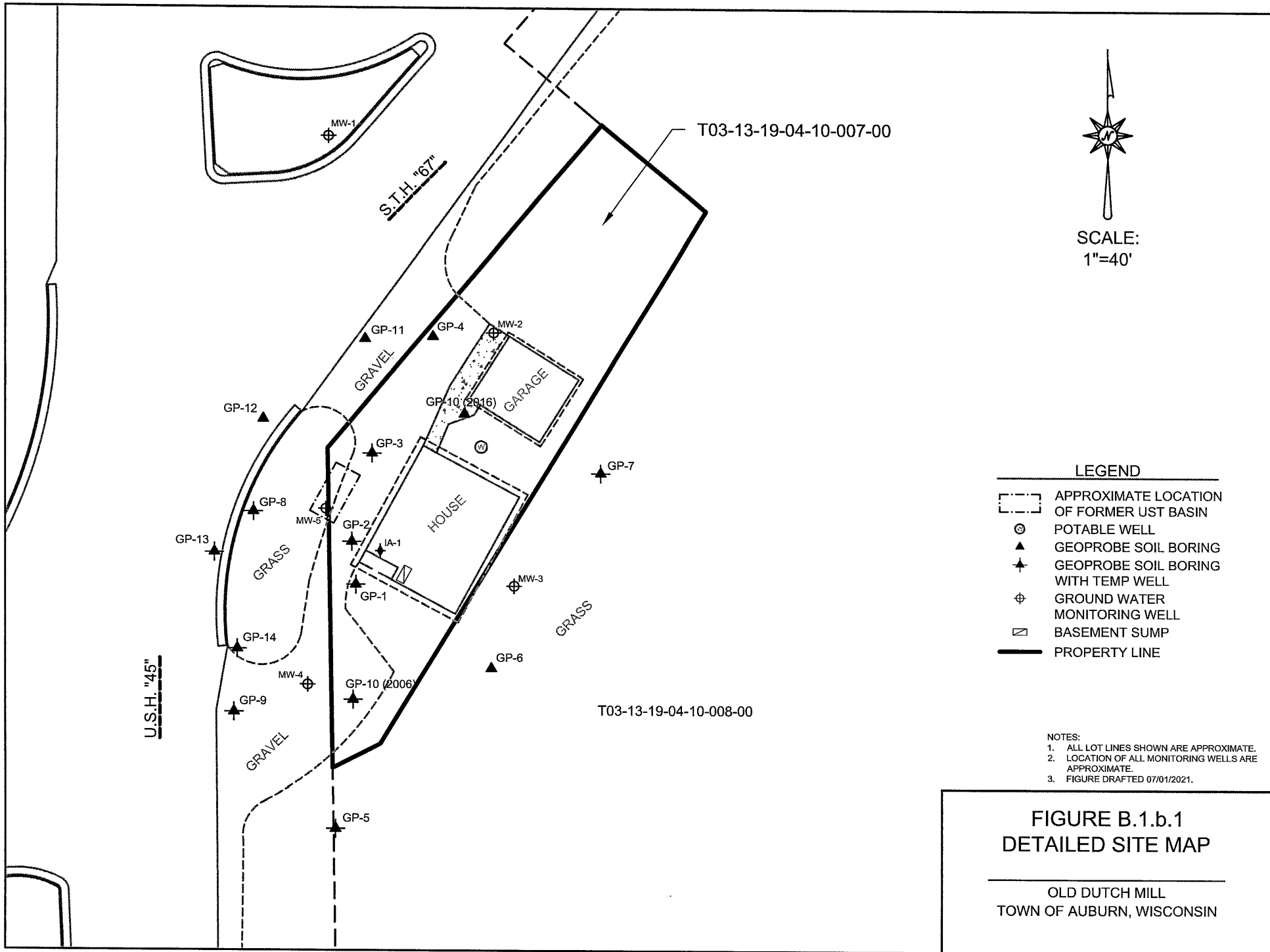
LEGEND

-  APPROXIMATE LOCATION OF FORMER UST BASIN
-  POTABLE WELL
-  GEOPROBE SOIL BORING
-  GEOPROBE SOIL BORING WITH TEMP WELL
-  GROUND WATER MONITORING WELL
-  BASEMENT SUMP
-  PROPERTY LINE
-  LOT LINE

- NOTES:
1. ALL LOT LINES SHOWN ARE APPROXIMATE.
 2. LOCATION OF ALL MONITORING WELLS ARE APPROXIMATE.
 3. FIGURE DRAFTED 07/01/2021.

**FIGURE B.1.b
DETAILED SITE MAP**

OLD DUTCH MILL
TOWN OF AUBURN, WISCONSIN



SCALE:
1"=40'

LEGEND

- APPROXIMATE LOCATION OF FORMER UST BASIN
- POTABLE WELL
- GEOPROBE SOIL BORING
- GEOPROBE SOIL BORING WITH TEMP WELL
- GROUND WATER MONITORING WELL
- BASEMENT SUMP
- PROPERTY LINE

- NOTES:
1. ALL LOT LINES SHOWN ARE APPROXIMATE.
 2. LOCATION OF ALL MONITORING WELLS ARE APPROXIMATE.
 3. FIGURE DRAFTED 07/01/2021.

**FIGURE B.1.b.1
DETAILED SITE MAP**

OLD DUTCH MILL
TOWN OF AUBURN, WISCONSIN

B.1.c. RR SITES MAP

SEE ATTACHED

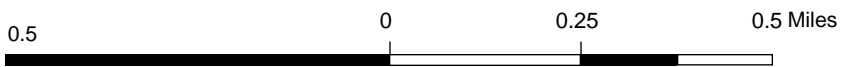


B.1.c. RR Sites Map



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply



NAD_1983_HARN_Wisconsin_TM

1: 15,840



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.

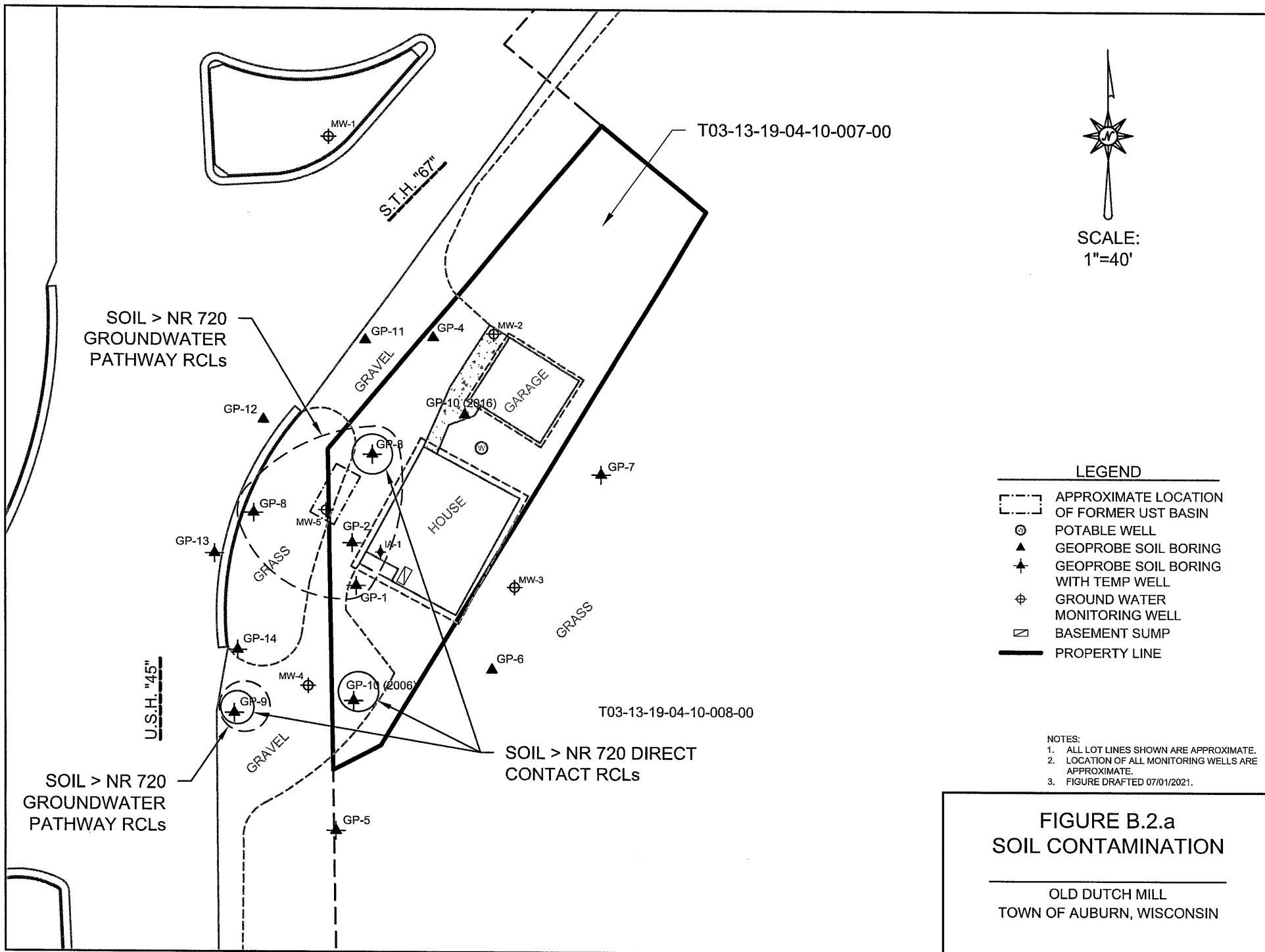
Notes

Blue dot in center of blue circle is the subject site.

B.2. SOIL FIGURES

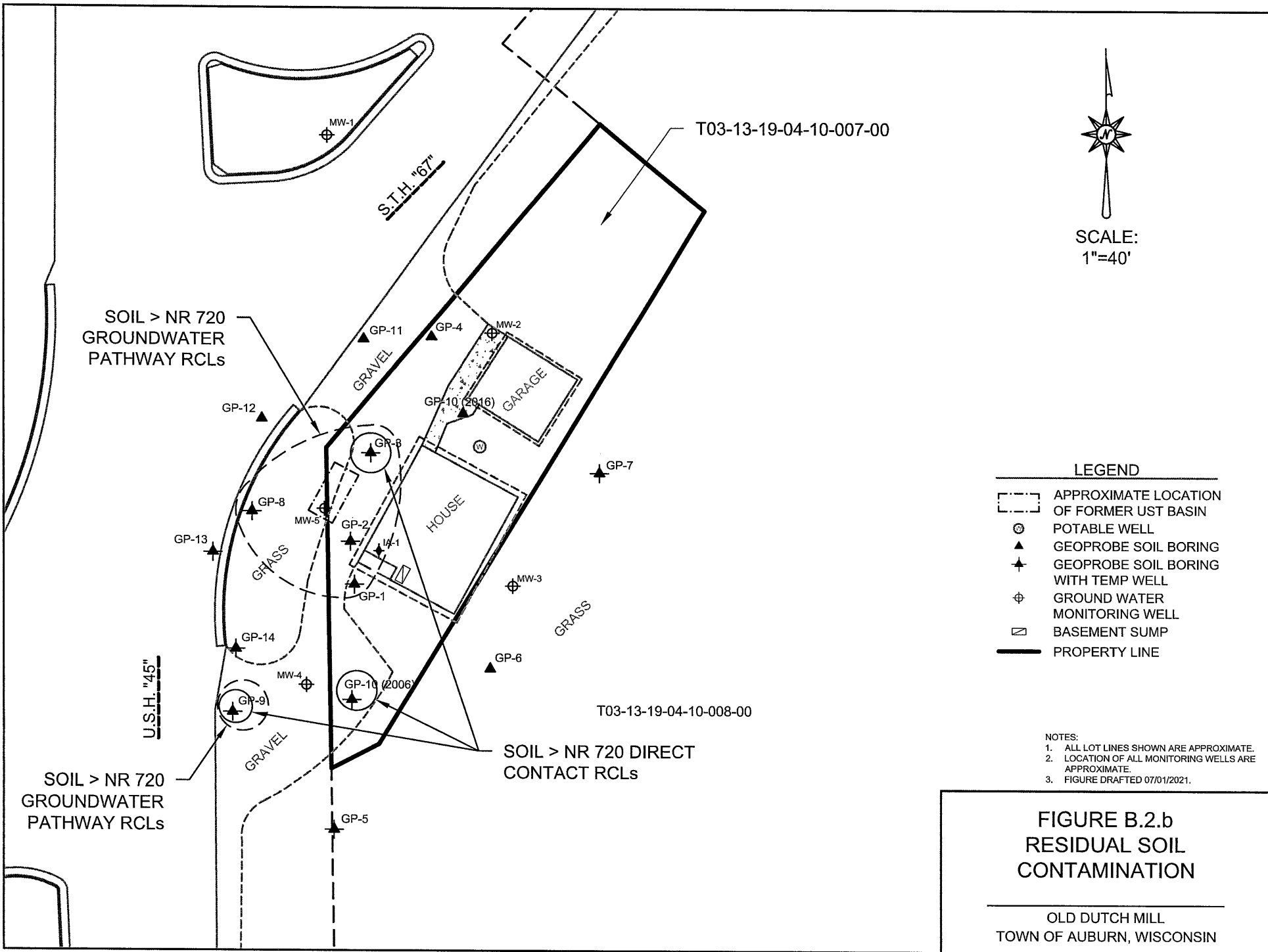
B.2.a. SOIL CONTAMINATION

SEE ATTACHED



B.2.b. RESIDUAL SOIL CONTAMINATION

SEE ATTACHED



SCALE:
1"=40'

T03-13-19-04-10-007-00

T03-13-19-04-10-008-00

SOIL > NR 720
GROUNDWATER
PATHWAY RCLs

SOIL > NR 720
GROUNDWATER
PATHWAY RCLs

SOIL > NR 720 DIRECT
CONTACT RCLs

S.T.H. "67"

U.S.H. "45"

GRAVEL

GRAVEL

GRASS

GRASS

HOUSE

GARAGE

MW-1

GP-11

GP-4

MW-2

GP-10 (2816)

GP-8

GP-7

MW-5

GP-2

GP-1

MW-3

GP-6

MW-4

GP-9

GP-10 (2006)

GP-5

GP-13

GP-14

GP-12

GP-8

GP-8

GP-9

GP-2

GP-1

GP-9

GP-10 (2006)

GP-5

GP-13

GP-14

GP-12

GP-8

GP-8

GP-9

GP-2

GP-1

GP-9

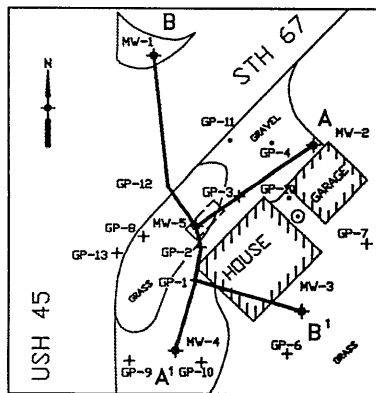
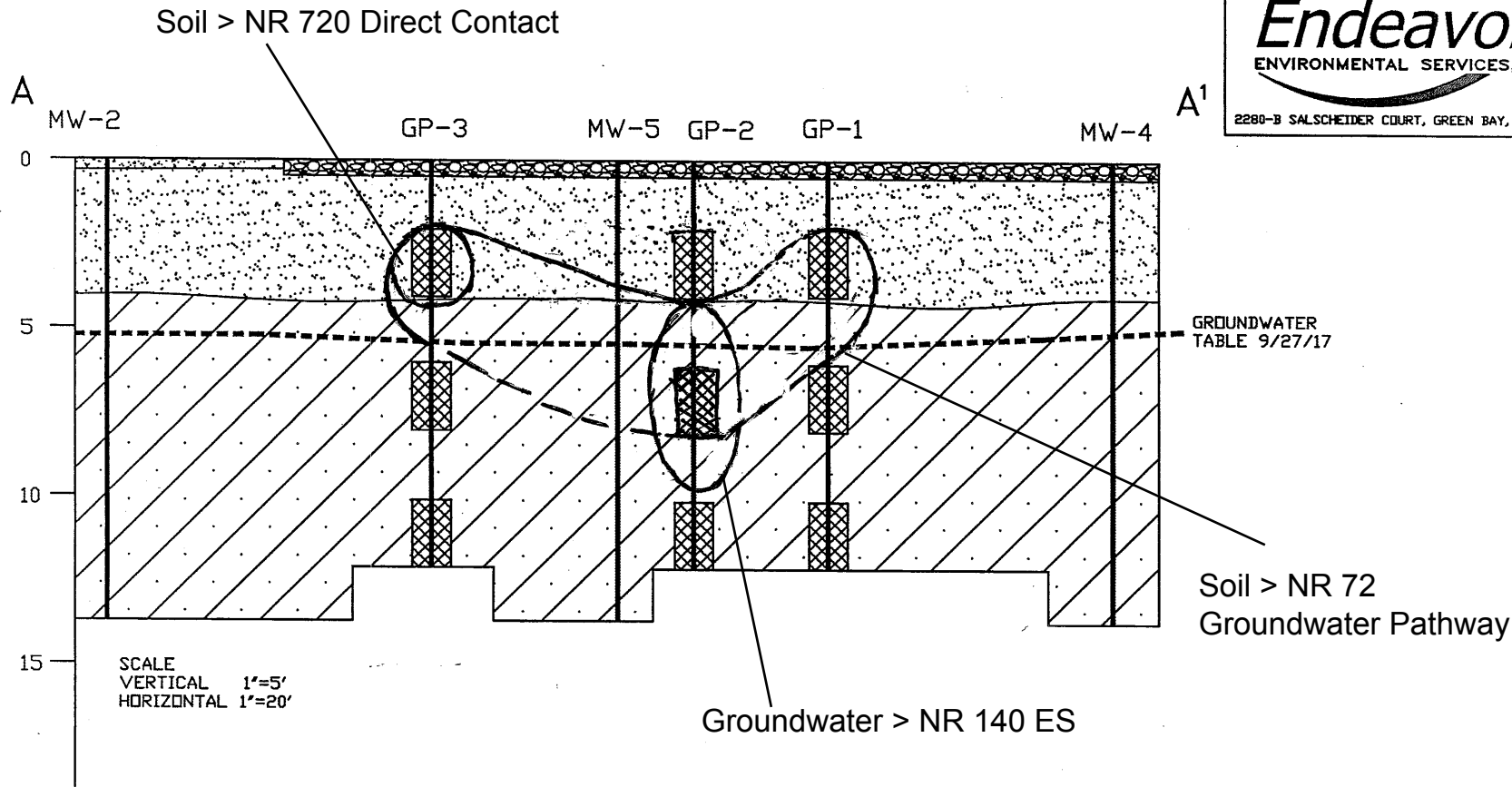
GP-10 (2006)

GP-5

B.3. GROUNDWATER FIGURES

B.3.a GEOLOGIC CROSS-SECTION FIGURES

SEE ATTACHED

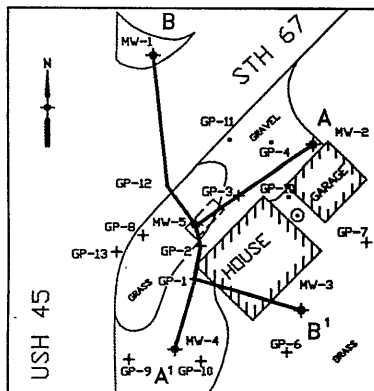
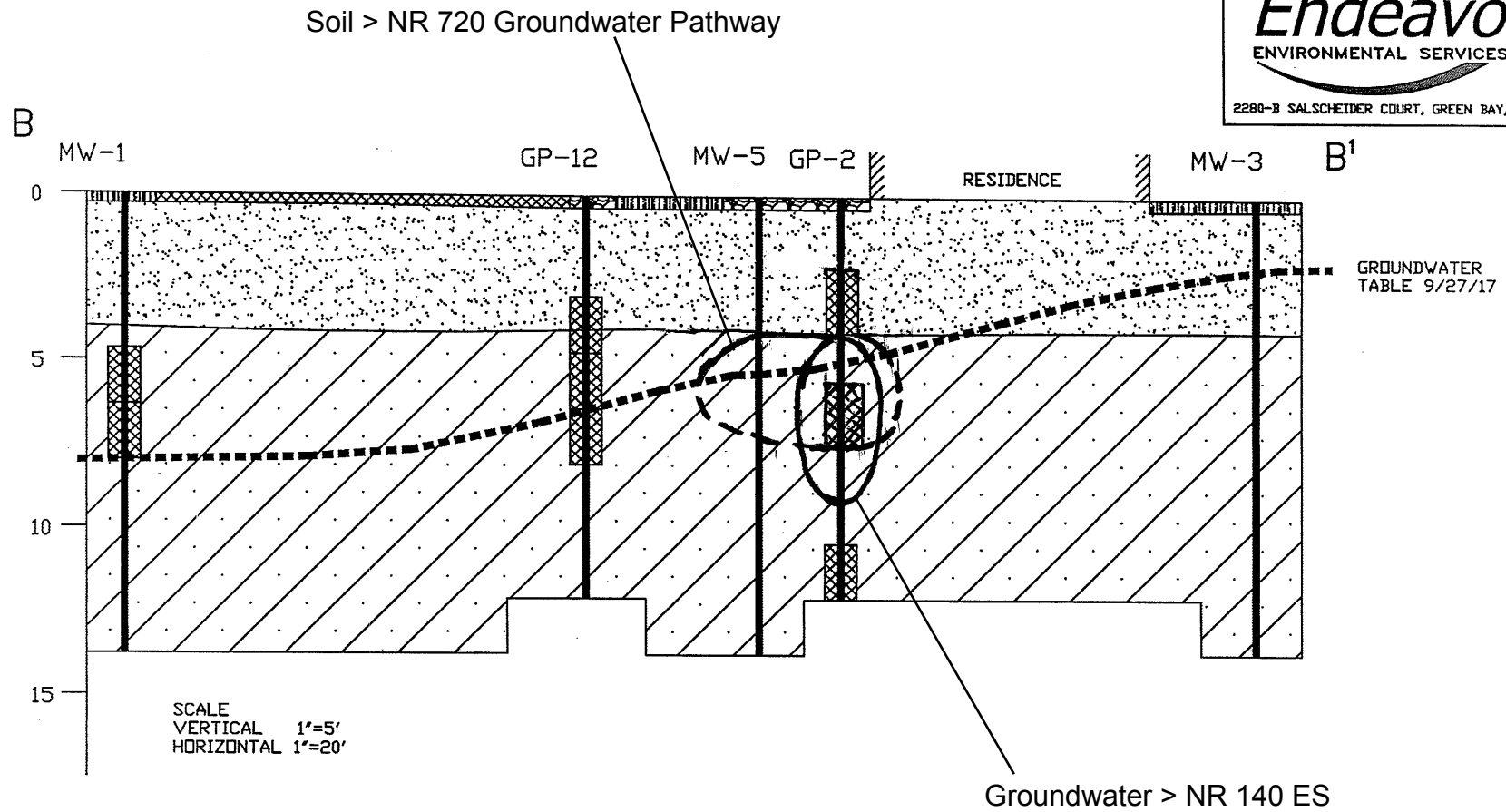


LEGEND

- LOAMY CLAY
- CONCRETE
- GRAVELLY SAND
- GRAVEL
- SOIL SAMPLE LOCATION
- SOIL CONTAMINATION

Figure B.3.a
 Geologic Cross-Section A-A'
 Old Dutch Mill

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
SEE NOTE	1 OF 1	P101393.40.B.1	6/28/19	A	SVD	360		



SECTION DETAIL

LEGEND








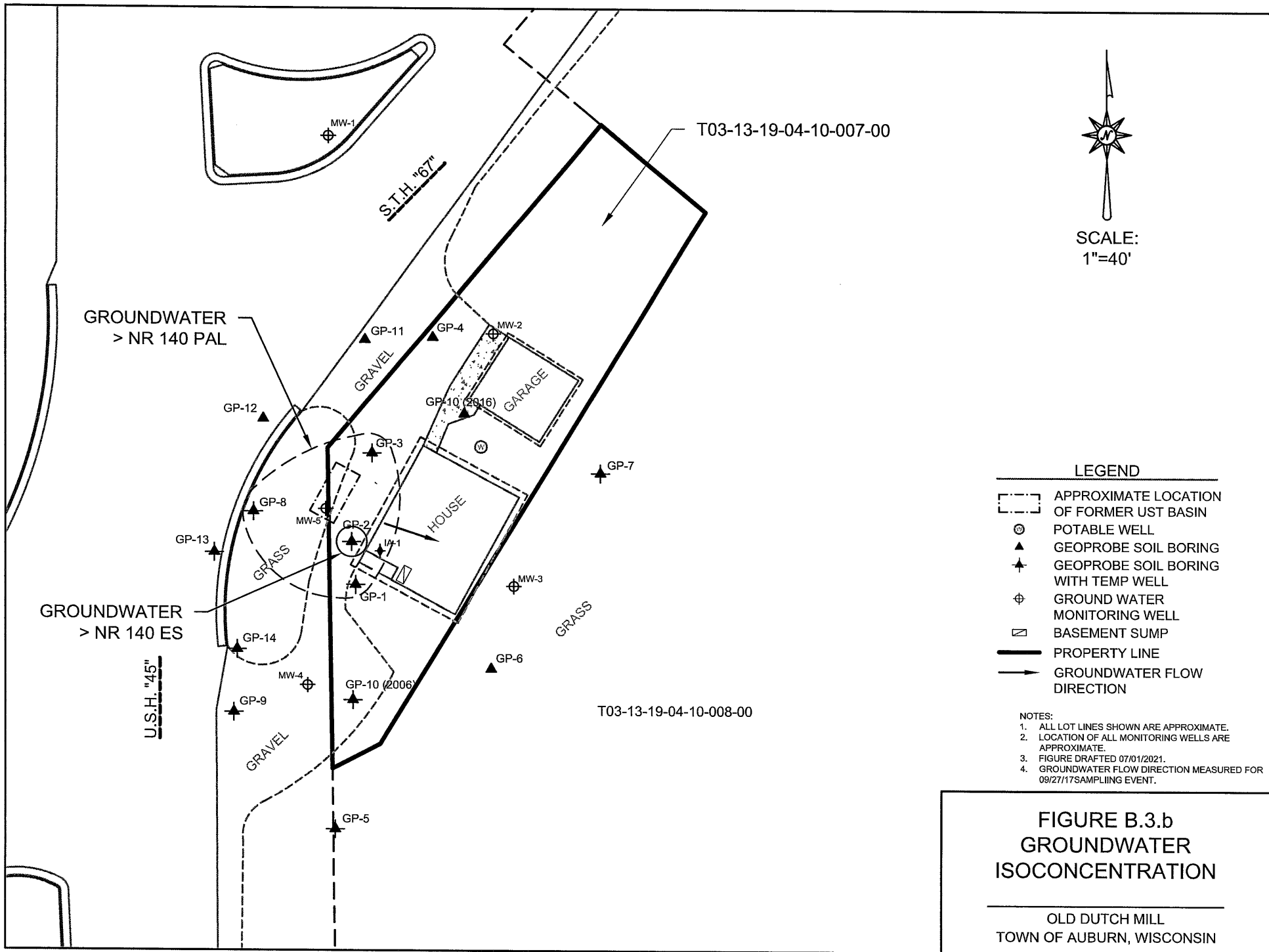
-  LOAMY CLAY
-  ASPHALT
-  GRAVELLY SAND
-  GRAVEL
-  GRASS
-  SOIL SAMPLE LOCATION
-  SOIL CONTAMINATION

Figure B.3.a.1.
 Geologic Cross-Section B-B'
 Old Dutch Mill

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
SEE NOTE	1 OF 1	P101393.40.8.1	6/28/19	A	SVD	360		

B.3.b. GROUNDWATER ISCOCONCENTRATION

SEE ATTACHED

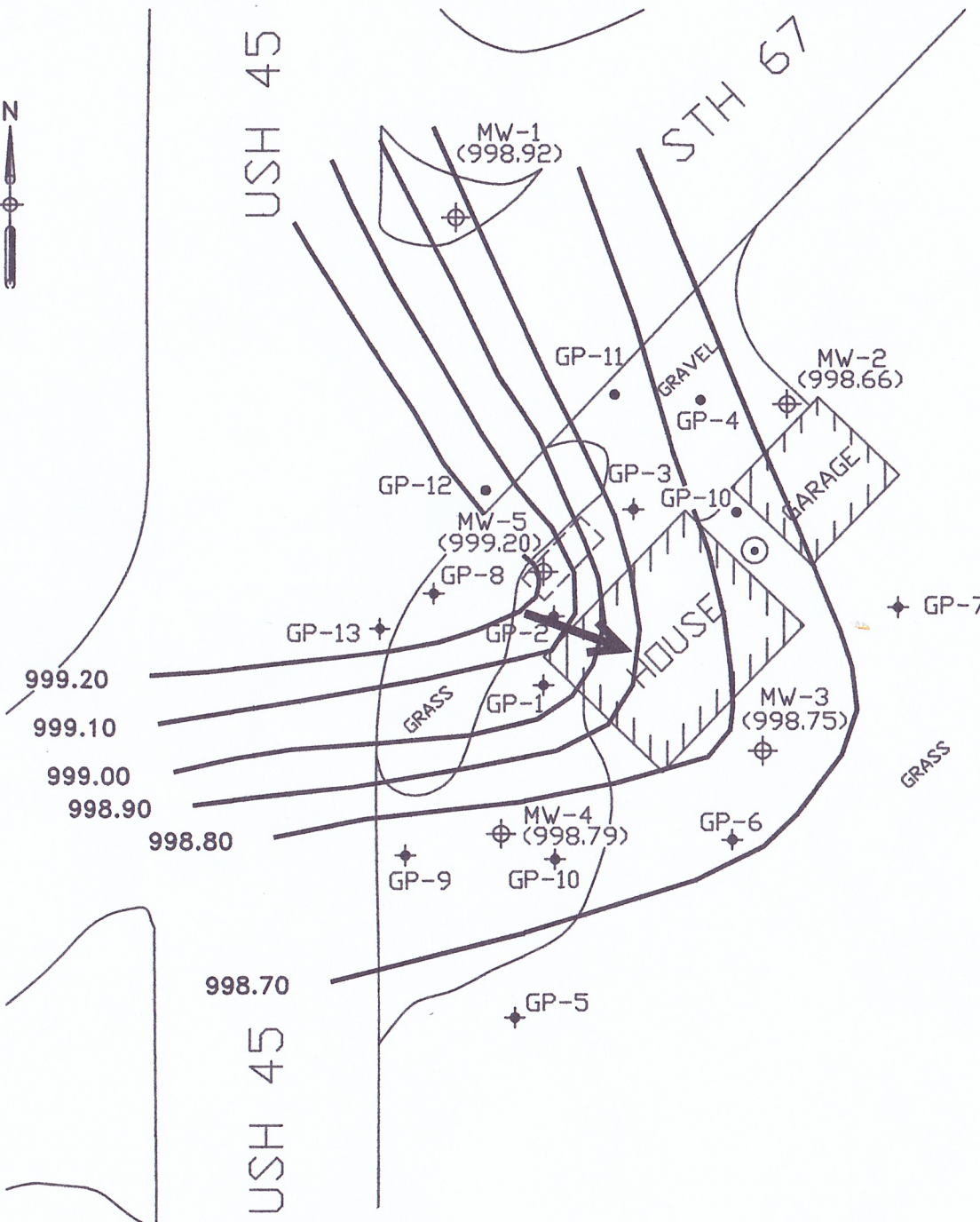


B.3.c GROUNDWATER FLOW DIRECTION

SEE ATTACHED B.3.c AND B.3.c.1. SHOWING THE HISTORIC VARIATION IN FLOW
DIRECTION



2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313



LEGEND

- POTABLE WELL
- GEOPROBE SOIL BORING
- GEOPROBE SOIL BORING WITH TEMP WELL
- APPROXIMATE LOCATION OF FORMER UST BASIN
- GROUND WATER MONITORING WELL
- GROUNDWATER ABOVE MEAN SEA LEVEL
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW

Figure B.3.c.
Groundwater Flow Direction
November 3, 2016
Old Dutch Mill

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
1" = 40'	1 OF 1	P101393.40.6.100	6/28/19	A	SVD	360		

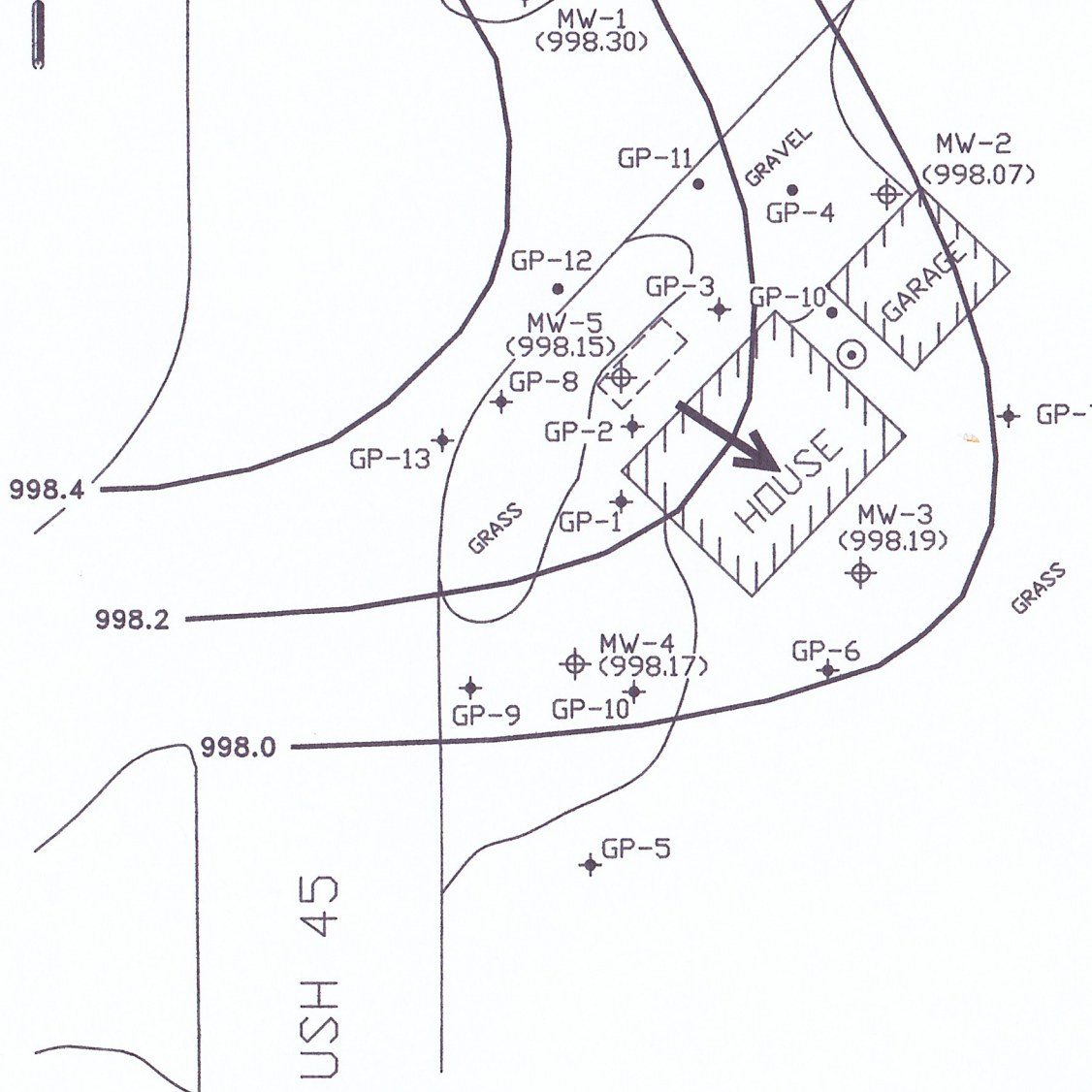


2280-B SALSCHIEDER COURT, GREEN BAY, WI 54313



USH 45

STH 67



LEGEND









-  POTABLE WELL
-  GEOPROBE SOIL BORING
-  GEOPROBE SOIL BORING WITH TEMP WELL
-  APPROXIMATE LOCATION OF FORMER UST BASIN
-  GROUND WATER MONITORING WELL
-  GROUNDWATER ABOVE MEAN SEA LEVEL
-  GROUNDWATER ELEVATION CONTOUR
-  GROUNDWATER FLOW DIRECTION

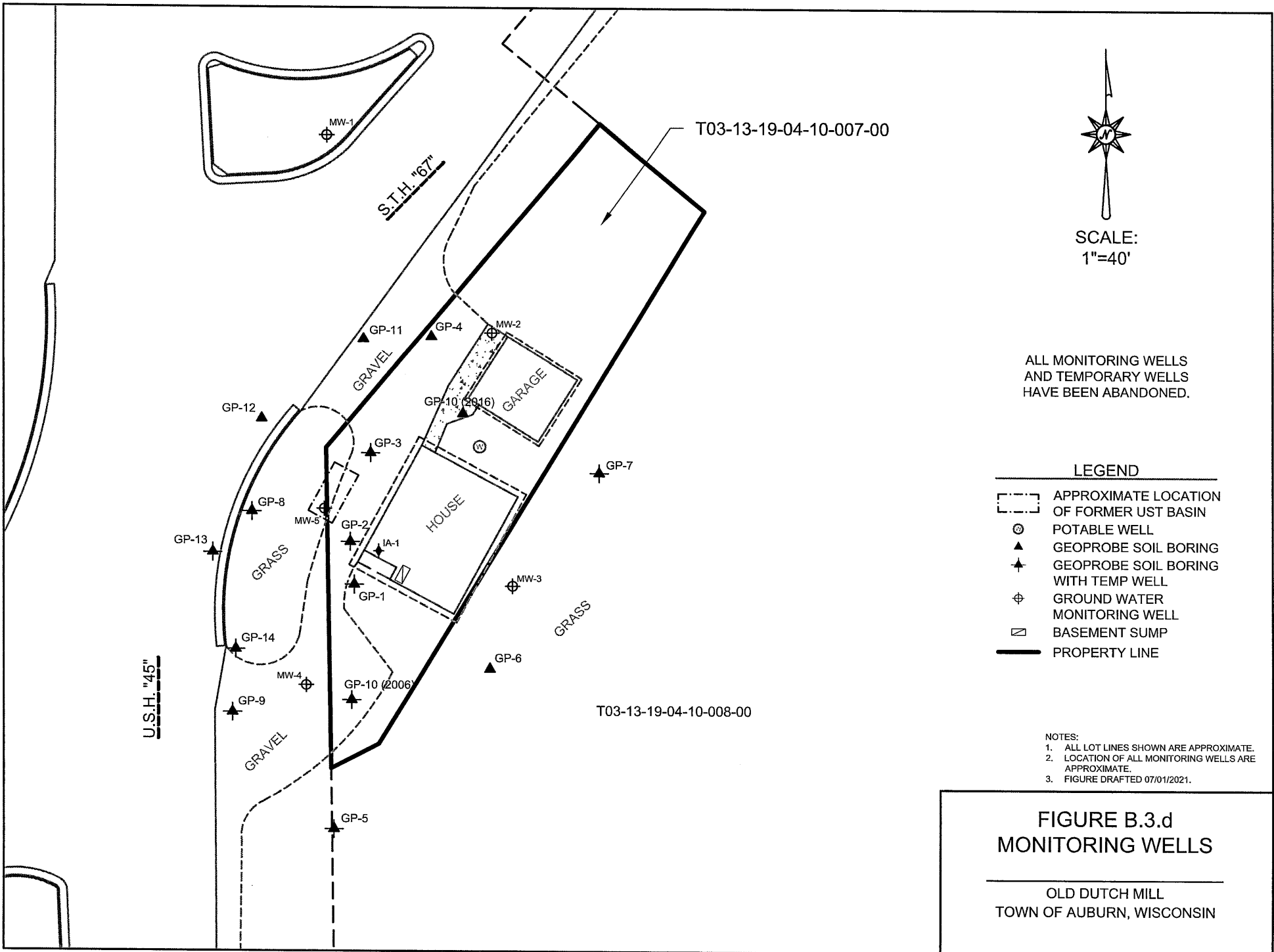
Figure B.3.c.1
Groundwater Flow Direction
September 27, 2017
Old Dutch Mill

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
1" = 40'	1 OF 1	P101393.40.5.100	6/28/19	A	SVG	360		

B.3.d. MONITORING WELLS

SEE ATTACHED








MONITORING WELLS PREVIOUSLY ABANDONED ARE IDENTIFIED ON THE MAP.
ALL REMAINING WELLS WILL BE ABANDONED AT CLOSURE.



SCALE:
1"=40'

ALL MONITORING WELLS
AND TEMPORARY WELLS
HAVE BEEN ABANDONED.

LEGEND

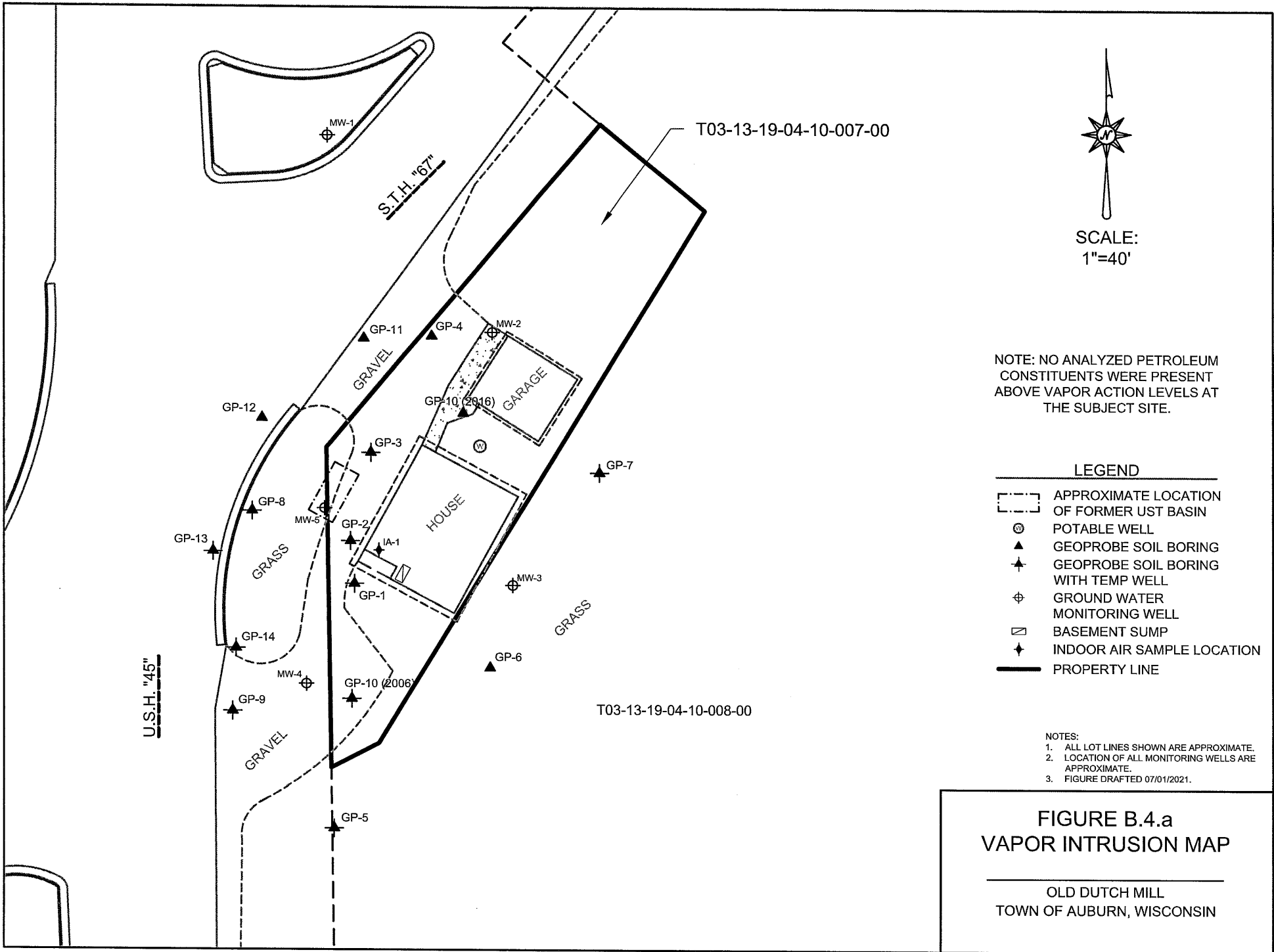
-  APPROXIMATE LOCATION OF FORMER UST BASIN
-  POTABLE WELL
-  GEOPROBE SOIL BORING
-  GEOPROBE SOIL BORING WITH TEMP WELL
-  GROUND WATER MONITORING WELL
-  BASEMENT SUMP
-  PROPERTY LINE

- NOTES:
1. ALL LOT LINES SHOWN ARE APPROXIMATE.
 2. LOCATION OF ALL MONITORING WELLS ARE APPROXIMATE.
 3. FIGURE DRAFTED 07/01/2021.

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

OLD DUTCH MILL
TOWN OF AUBURN, WISCONSIN

B.4. VAPOR MAPS AND OTHER MEDIA



SCALE:
1"=40'

NOTE: NO ANALYZED PETROLEUM
CONSTITUENTS WERE PRESENT
ABOVE VAPOR ACTION LEVELS AT
THE SUBJECT SITE.

LEGEND

- APPROXIMATE LOCATION OF FORMER UST BASIN
- POTABLE WELL
- GEOPROBE SOIL BORING
- GEOPROBE SOIL BORING WITH TEMP WELL
- GROUND WATER MONITORING WELL
- BASEMENT SUMP
- INDOOR AIR SAMPLE LOCATION
- PROPERTY LINE

- NOTES:
1. ALL LOT LINES SHOWN ARE APPROXIMATE.
 2. LOCATION OF ALL MONITORING WELLS ARE APPROXIMATE.
 3. FIGURE DRAFTED 07/01/2021.

**FIGURE B.4.a
VAPOR INTRUSION MAP**

OLD DUTCH MILL
TOWN OF AUBURN, WISCONSIN

B.4.b. OTHER MEDIA OF CONCERN

NOT APPLICABLE. THERE ARE NO OTHER MEDIA OF CONCERN

B.4.c. OTHER

NOT APPLICABLE

B.5. STRUCTURAL IMPEDIMENT

NOT APPLICABLE. THERE WAS NO STRUCTURAL IMPEDIMENT TO THE INVESTIGATION AT THE SUBJECT SITE.

ATTACHMENT C
DOCUMENTATION OF REMEDIAL ACTION

C.1. SITE INVESTIGATION DOCUMENTATION

Enclosed please find the indoor air sample laboratory analytical report and chain-of-custody from the June 25, 2020, sampling event.

All other site investigation has been previously submitted.

Synergy Environmental Lab, INC

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

JOE RAMCHECK
 ENDEAVOR ENV. SERVICES, INC.
 2280-B SALSCHIEDER CT
 GREEN BAY, WI 54313

Report Date 26-Jun-20

Project Name OLD DUTCH MILL
 Project # P101393.40
 Lab Code 5038110A
 Sample ID IA-1
 Sample Matrix Air
 Sample Date 6/25/2020

Invoice # E38110

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Benzene	1.44	ug/m3	0.136	0.433	1	TO-15	6/26/2020	6/26/2020	MJR	1
Ethylbenzene	< 0.203	ug/m3	0.203	0.645	1	TO-15	6/26/2020	6/26/2020	MJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15	6/26/2020	6/26/2020	MJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15	6/26/2020	6/26/2020	MJR	1
Toluene	0.83	ug/m3	0.184	0.585	1	TO-15	6/26/2020	6/26/2020	MJR	1
1,2,4-Trimethylbenzene	< 0.283	ug/m3	0.283	0.899	1	TO-15	6/26/2020	6/26/2020	MJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15	6/26/2020	6/26/2020	MJR	1
m&p-Xylene	0.39 "J"	ug/m3	0.377	1.2	1	TO-15	6/26/2020	6/26/2020	MJR	1
o-Xylene	< 0.218	ug/m3	0.218	0.695	1	TO-15	6/26/2020	6/26/2020	MJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

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

Authorized Signature

Lab. I.D. # _____
 QUOTE # : _____
 Project #: P101393.40
 Sampler: (signature) [Signature]

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcbc.com

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

Project (Name / Location): Old Dutch Mill
 Reports To: Joseph Ramcheck
 Company: Endeavor Env. Serv. Inc.
 Address: 2280-B Salscheider Court
 City State Zip: Green Bay WI 54313
 Phone: 920-437-2997
 Email: jramcheck@endeavorenv.com

Invoice To: Same as "Report To"
 Company: _____
 Address: _____
 City State Zip: _____
 Phone: _____
 Email: _____

Analysis Requested

Other Analysis

Lab. I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVC (EPA 8021)	PVC+ NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-PCRA METALS	PID FID	
		Date	Time																					
5038112A	ZA-1	6/25/20	1545	N	1	A	None																	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)
24-hr turn

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

Relinquished By: (sign) [Signature] Time: 1650 Date: 06/25/20
 Received By: (sign) _____ Time: _____ Date: _____
 Received in Laboratory By: [Signature] Time: 1650 Date: 6-25-20

C.2. INVESTIGATIVE WASTE

SEE ATTACHED

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

52416-31

5. Generator's Name and Mailing Address

Generator's Site Address, if different than mailing address.

WILLIAM OSTRANDER OLD DUTCH MILL
N2271 HWY 45
CAMBELLSPORT, WI 53010

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

ADVANCED WASTE CARRIERS

WI0000815381

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

AWS/CHEF WASTE TREATMENT
210 TOWER RD.
WINNECOMBE, WI

Facility's Phone:

WI000031456

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1. NON HAZ WASTE
(SOIL CUTTINGS)

004 DM

DRUMS
4 G

2.

3.

4.

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

William L. Ostrander

5 24 16

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Scott Gross

5 24 16

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Matt Neuman

05 25 16

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

COVANTA
Environmental
Solutions

Corporate Office
1126 South 70th Street, Suite N408B - West Allis, WI 53214
Phone: 800-842-9792 Fax: 414-475-4496

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800) 842-9792 (AWC)	4. Waste Tracking Number CES 107150	
5. Generator's Name and Mailing Address <i>Various LUST/ERP sites c/o</i> ENDEAVOR ENVIRONMENTAL SERVICES, INC. 2200 B SALSCHIEDER COURT GREEN BAY, WI 54313 Generator's Phone: (920) 437-2997		Generator's Site Address (if different than mailing address) <i>See attachment for addresses of various LUST/ERP sites</i>			
6. Transporter 1 Company Name Advanced Waste Carriers, Inc. (AWC)			U.S. EPA ID Number WI0000815381		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address AWS/Chlor Waste Treatment Wisconsin 210 Tower Rd. Winnacome, WI 54986 Facility's Phone: 9205827596			U.S. EPA ID Number		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. <i>monitoring well purge water associated w/ listed LUST/ERP sites</i>		001	TT	530 <i>gallons</i>	NONE
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information				Trailer # _____ Emergency Response Guide On-board Site arrival time _____ Site departure time _____ www.advancedwasteservices.com	
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name <i>Joseph Ramcheck</i>			Signature <i>[Signature]</i>		Month Day Year <i>11 07 16</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter Signature (for exports only): _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name			Signature		Month Day Year
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy #					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number: _____					
17b. Alternate Facility (or Generator)				U.S. EPA ID Number	
Facility's Phone: _____					
17c. Signature of Alternate Facility (or Generator)				Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name			Signature		Month Day Year

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

Site Purge Water Volumes (11.07.2016)

Project No.:	Site Name	Site Address	Total Purge Water (Gallons)	Percent of Total	Cost of Disposal
P152272.40	Holiday Station - Former	Appleton, WI	109.5	20.66%	\$108.76
P152274.41	Saunders RV	Milwaukee, WI	25	4.72%	\$24.83
P131839.40	M&I Bank Parking Lot	Appleton, WI	24	4.53%	\$23.84
P101393.40	Old Dutch Mill	Campbellsport, WI	119	22.45%	\$118.19
P02214.40	Munkwitz Avenue ROW	Cudahy, WI	51.5	9.72%	\$51.15
P07872.95	Sulpaco-Elevator Site	Appleton, WI	3	0.57%	\$2.98
P162278.41	Castle Pierce Corp.	Oshkosh, WI	42	7.92%	\$41.71
P05601.45	Woodruff Krist	Woodruff, WI	156	29.43%	\$154.94
Totals:			530	100.00%	\$526.40

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

042318-1

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Various CUST: OAD Sites
40 Endeavor Exy. Services Inc.

Generator's Phone:

2250-B Salscheid Ct 68 54313

6. Transporter 1 Company Name

910-437-2897

U.S. EPA ID Number

Corona Environmental Solutions Carriers

WI R000 165399

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Corona Environmental Solutions LLC - Fox Valley
210 Tower Rd.

Facility's Phone:

Winnecome, WI 54986

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol

No.

Type

1. Purg water

001

TT

300

G

2.

3.

4.

13. Special Handling Instructions and Additional Information

10:00
16:15

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

Josiah Rameck

[Signature]

4 23 18

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Derek Koeris

[Signature]

4 23 18

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Pat Witzinger

[Signature]

04 23 18

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Site Purge Water Volumes (04/23/2018)

Project No.:	Sample Date	Site Name	Site Address	Total Purge Water (Gallons)	Percent of Total	Cost of Disposal
P162347.41	12/19/2016	Mike's Cycle Shop	Menasha	25	8.33%	\$26.37
P121662.41	1/26/2017	Citgo Quik Food Mart	Eagle River	20	6.67%	\$21.10
P162278.41	2/13/2017	Castle Pierce	Oshkosh	20	6.67%	\$21.10
P162347.41	3/10/2017	Mike's Cycle Shop	Menasha	25	8.33%	\$26.37
P162347.41	6/17/2017	Mike's Cycle Shop	Menasha	30	9.09%	\$28.77
P162278.41	6/21/2017	Castle Pierce	Oshkosh	22	6.67%	\$21.11
P131839.40	6/26/2017	M&I Bank	Appleton	5	1.52%	\$4.81
P121662.41	7/12/2017	Citgo Quik Food Mart	Eagle River	20	6.67%	\$21.10
P101429.41	8/1/2017	Gabe Construction	Sheboygan	5	1.67%	\$5.27
P131839.40	9/19/2017	M&I Bank	Appleton	5	1.67%	\$5.27
P101393.40	9/27/2017	Old Dutch Mill	Campbellsport	19	5.76%	\$18.23
P162278.41	11/30/2017	Castle Pierce	Oshkosh	9	3.00%	\$9.49
P05601.45	2/16/2018	Citgo Quik Food Mart	Woodruff	40	12.73%	\$40.28
P121662.41	3/8/2018	Citgo Quik Food Mart	Eagle River	20	6.67%	\$21.10
P101399.40	3/12/2018	Da Swamp	Seymour	35	11.67%	\$36.92
Totals:				300	97.10%	\$316.45

C3. DESCRIPTION OF METHODOLOGY

THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES NR 720 RCL
SPREADSHEET WAS UTILIZED FOR THIS INVESTIGATION

C.4. CONSTRUCTION DOCUMENTATION

NOT APPLICABLE. NO REMEDIATION OR INTERIM ACTION WAS PERFORMED
ASSOCIATED WITH THE SITE

C.5 DECOMMISSIONING OF REMEDIAL SYSTEMS

NOT APPLICABLE. NO REMEDIATION SYSTEM WAS INSTALLED ASSOCIATED
WITH THE SITE

C.6 OTHER

NOT APPLICABLE

ATTACHMENT D
MAINTENANCE PLANS AND PHOTOGRAPHS

D.1 DESCRIPTION OF MAINTENANCE ACTIONS

NOT APPLICABLE.

RESIDUAL SOIL CONTAMINATION IS LIMITED TO THE AREA OF THE FORMER SOURCE AREA AT DEPTHS GREATER THAN FOUR FEET WHICH IS COVERED BY GRAVEL AND GRASS. THE TWO LOCATIONS WHERE SOIL EXCEEDS WAC NR720 DIRECT CONTACT RCLS FOR PAH'S IN THE UPPER 4 FEET (GP-3 AND GP-10) APPEARS ISOLATED TO THE TWO SMALL LOCATIONS, AND WITH THE LOW LEVEL CONCENTRATIONS COULD BE ATTRIBUTED TO BEING LOCATED ALONG THE STH 67 ROW WHICH HAS HISTORICALLY BEEN CONSTRUCTED OF ASPHALT.

ADDITIONALLY, GROUNDWATER SAMPLES COLLECTED FROM SITE MONITORING WELLS HAVE CONFIRMED PAH CONTAMINATION GREATER THAN WAC NR 140 ES IS VERY ISOLATED TO THE SOURCE AND THEREFORE RESIDUAL PAH SOILS IN THE LOCATIONS OF GP-3 AND GP-10 DO NOT APPEAR TO BE PARTITIONING TO GROUNDWATER AT THE SITE. BASED ON THE ABOVE IT DOES NOT APPEAR MAINTENANCE ACTIONS ARE REQUIRED ASSOCIATED WITH THIS SITE.

D.2 LOCATION MAP

NOT APPLICABLE. SEE D.1.

D.3 PHOTOGRAPHS

NOT APPLICABLE. SEE D.1.

D.4. INSPECTION LOG

NOT APPLICABLE. SEE D.1.

ATTACHMENT E

MONITORING WELL INFORMATION

ALL MONITORING POINTS ASSOCIATED WITH THE SITE HAVE BEEN
ABANDONED

ATTACHMENT E

MONITORING WELL INFORMATION

ALL MONITORING POINTS ASSOCIATED WITH THE SITE HAVE BEEN
ABANDONED

ATTACHMENT F
SOURCE LEGAL DOCUMENTS

F.1 DEED

SEE ATTACHED

F.1. Deed

681225

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 2 - 1982
WARRANTY DEED

RECEIVED FOR RECORDING
VOL **1477** PAGE **148-149**

99 OCT 27 AM 11:14

RECORDED DEEDS
FOND DU LAC COUNTY, WI

Edward J. Kreuser, Jr.

conveys and warrants to William L. Ostrander and Tracy R. Ostrander, husband and wife, as survivorship marital property

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

the following described real estate in Fond du Lac County, State of Wisconsin:

National Exchange Bank and Trust
Fond du lac, Wisconsin 54935

T03-13-19-04-10-007
PARCEL IDENTIFICATION NUMBER

SEE EXHIBIT A

TRANSFER
\$ 120⁰⁰
FEE

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

Exception to warranties: easements and restrictions of record, applicable building and zoning ordinances.

Dated this 22 day of October, A.D., 19 99.

(SEAL)

Edward J. Kreuser Jr. (SEAL)

* _____

* Edward J. Kreuser, Jr.

(SEAL)

(SEAL)

* _____

* _____

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____, 19 _____

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney Kathryn M. Bullon

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

ACKNOWLEDGMENT

State of Wisconsin, }
Fond du Lac County, } ss.

Personally came before me this 22 day of October, 19 99, the above named Edward J. Kreuser, Jr.

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

JOHN J. COOPER

Notary Public, Fond du Lac County, Wis.

My commission is permanent. (If not, state expiration date: 2/27/00, 19 _____)

* Names of persons signing in any capacity should be typed or printed below their signatures.

EXHIBIT TO WARRANTY DEED
Kreuser to Ostrander

That part of the Northwest 1/4 Southwest 1/4 of Section 4, Township 13 North, Range 19 East, Town of Auburn, Fond du Lac County, Wisconsin, described as follows:

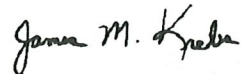
Beginning at a cross mark cut in the concrete paving slab, at the intersection of the center line of USH "45", with the center line of State Trunk Highway No. 67, said point being over the center of a culvert, and at the Southern end of the curve joining said Highway 67 with said USH "45", said point being also 767.80 feet South of the West quarter post of said Section 4; thence assuming the West 1/4) as a North and South base line and referring all courses to said base line by a transit vernier measurement of angles; running thence North 63 degrees 32 minutes East 83.80 feet to an iron stake; thence North 29 degrees 32 minutes East 200 feet to an iron stake; thence North 48 degrees 42 minutes West 83 feet to the center line of said Highway 67, and meeting said center line at right angles; thence Southwesterly and Southerly along said center line to the place of beginning.

Excepting therefrom that portion conveyed to Fond du Lac County by Deed recorded in Vol. 411 of Deeds on page 230.

20/2

	NOTICE OF LIEN Wis. Stats. §292.81(3)
Document Number	Title of Document

DOC #: 1129146
RECORDED May-06-2020 at 12:31 PM
Pages: 2 Fee:\$30.00



JAMES M KREBS, REGISTER OF DEEDS
FOND DU LAC COUNTY, WI
Return via MAIL (REGULAR)
DUANE KLEIN

As provided by Wis. Stats. ch. 292 and Wis. Admin. Code Ch NR 700, the Department of Natural Resources (department) has incurred the cost for reviewing the case closure request at the following property owned by William L and Tracy R Ostrander, located in Fond Du Lac County:

See Attached

Record this record with the Register of Deeds.
Name and return address:
 Duane Klein
 Fiscal & IT Section Chief
 Remediation and Redevelopment Program
 PO Box 7921
 Madison WI 53707-7921
 Phone (608) 264-6014

Parcel # T03-13-19-04-10-007-00

The case closure request review costs (\$1,700) incurred by the department constitutes a superior lien on the property as described in Wis. Stats. § 292.81(3). The property remains subject to this superior lien until the case closure request review costs are paid in full to the department. No Interest is recoverable on this superior lien.

The department makes and files this claim for the interest held by the Owner(s) in this property under Wis. Stats. §292.81(3), Stats. The department certifies that to the best of its knowledge and belief, all information contained in this Notice of Lien is correct, and this superior lien represents a legal encumbrance upon the property. Based on the above information, the department claims a superior lien on all the interest, which the Owner(s) have in the above-described property.


Department of Natural Resources
 By:



 Jenna Soyer, Policy and Program Operations Director
 Remediation and Redevelopment Program

AUTHENTICATION OF ACKNOWLEDGMENT

The above named person was sworn to before me this
13 day of April, 2020.



 Adrian Herrera

Notary Public
 State of Wisconsin, County of Dane
 My Commission expires May 5, 2022

ADRIAN HERRERA
 Notary Public
 State of Wisconsin

This document was drafted & approved
 by:
 Department of Natural Resources
 PO Box 7921
 Madison WI 53707-7921

That part of the Northwest $\frac{1}{4}$ Southwest $\frac{1}{4}$ of Section 4, Township 13 North, Range 19 East, Town of Auburn, Fond du Lac County, Wisconsin, described as follows:

Beginning at a cross mark cut in the concrete paving slab, at the intersection of the center line of USH "45", with the center line of State Trunk Highway No. 67, said point being over the center of a culvert, and at the Southern end of the curve joining said Highway culvert, and at the Southern end of the curve joining said Highway 67 with said USH "45", said point being also 767.80 feet South of the West quarter post of said Section 4; thence assuming the West line of said Northwest Quarter of the Southwest Quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$) as a North and South base line and referring all courses to said base line by a transit vernier measurement of angles; running thence North 63 degrees 32 minutes East 83.80 feet to an iron stake; thence North 29 degrees 32 minutes East 200 feet to an iron stake; thence North 48 degrees 42 minutes West 83 feet to the center line of said Highway 67, and meeting said center line at right angles; thence Southwesterly and Southerly along said center line to the place of beginning.

Exception therefrom that portion conveyed to Fond du Lac County by deed recorded in Volume 411 of Deeds on Page 230.

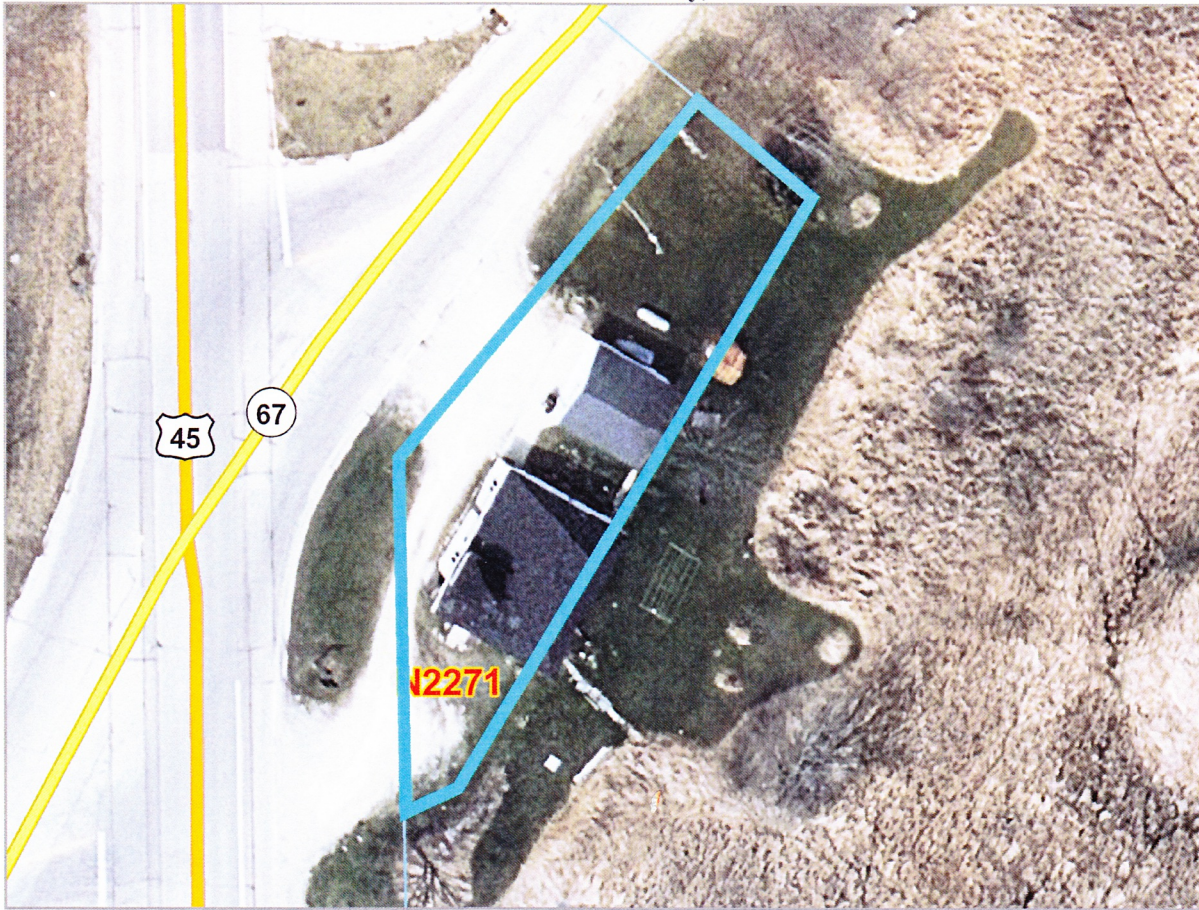
As described in Document No. 681225, Volume 1477, pages 148-149, Fond du Lac County Register of Deeds.

F.2 CERTIFIED SURVEY MAP

SEE ATTACHED RECORDED PLAT (NO CSM FOR THIS PROPERTY)

F.2. Certified Survey Map (Plat Map)

Fond du Lac County, WI



Parcel Number	T03-13-19-04-10-007-00	Site Address	N2271 US HIGHWAY 45
Owner	OSTRANDER, WILLIAM L: OSTRANDER, TRACY R	Municipality Code	20006
Mailing Address 1	N2271 US HIGHWAY 45	Municipality	TOWN OF AUBURN
Mailing Address 2		PLSS Location	NW-SW, Sec. 4, T13N, R19E
Mailing City	CAMPBELLSPORT	Acres	0.3
Mailing State	WI	Legal Description	Refer to the source document for actual legal description. S4 T13N R19E PT OF NW 1/4 SW 1/4 COM 767.80' S OF NW COR TH N63*32'E 83.80' N29*32'E 200' N48*42'W 83' TH SWLY & SLY ALG C/L HWY 45 & 67 TO BEG EXC HWY REC V411-230 (V1477-148 & 686094) .30A M/L
Mailing Zip	53010		



Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 50 feet

F.3 VERIFICATION OF ZONING

SEE ATTACHED

MAP PROVIDED BY THE VILLAGE OF LOMIRA DEPARTMENT OF PUBLIC WORKS

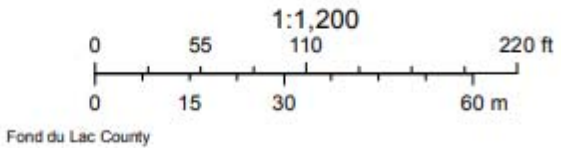
F.3 Verification of Zoning



February 15, 2018

Legend

 Property Boundary



Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

F.4 SIGNED STATEMENT

SEE ATTACHED

F.4. - Signed Statement


PIN: T031319041000700

N2271 STH 45
Campbellsport, WI

WDNR BRRTS No. 03-20-183944

In accordance with NR 726.11, the Responsible Party hereby affirms the following information:

To the best of my knowledge, the legal description information attached to this package, and described below for the source property (N2271 STH 45, Parcel No. T031319041000700) is accurate.



Mr. William Ostrander

The official warranty deed states that for this parcel from the online "Land Shark Records" of the Register of Deeds for Fond Du Lac County, Wisconsin, as Document No. 681225, that part of the Northwest $\frac{1}{4}$ Southwest $\frac{1}{4}$ of Section 4, Township 13 North, Range 19 East, Town of Auburn, Fond du Lac County, Wisconsin, described as follows:

Beginning at a cross mark cut in the concrete paving slab, at the intersection of the center line of USH "45", with the center line of State Trunk Highway No. 67, said point being over the center of a culvert, and at the Southern end of the curve joining said Highway 67 with said USH "45", said point being also 767.80 feet South of the West quarter post of said Section 4; thence assuming the West line of said Northwest Quarter of the Southwest Quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$) as a North and South base line and referring all courses to said base line by a transit Vernier measurement of angles; running thence North 63 degrees 32 minutes East 83.80 feet to an iron stake; thence North 29 degrees 32 minutes East 200 feet to an iron stake; thence North 48 degrees 42 minutes West 83 feet to the center line of said Highway 67, and meeting said center line at right angles; thence Southwesterly and Southerly along said center line to the place of beginning.

ATTACHMENT G

NOTIFICATIONS TO OWNERS OF AFFECTED PROPERTIES

ID A – DOT ROW NOTIFICATION (USH 45 AND STH 67)

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Notification of Continuing Obligations and Residual Contamination

Notice: Pursuant to s. 292.12(4), Wis. Stats., written notification of parties affected by residual contamination is required. Pursuant to ch. NR 725, Wis. Adm. Code, this form is required to be completed for those sites meeting the criteria in s. NR 725.05 (see below), by a responsible party seeking case closure approval pursuant to ch. NR 726, Wis. Adm. Code or by those persons seeking a remedial action plan approval pursuant to ch. NR 722, Wis. Adm. Code, or by local government units or economic development corporations that are required to take an action pursuant to ch. NR 708, Wis. Adm. Code, when the Department of Natural Resources (DNR) determines that notification is necessary. Personally identifiable information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law (ss. 19.31-19.39, Wis. Stats.). (Unless otherwise noted, citations refer to Wis. Adm. Code.)

Note: A copy of each completed form must also be submitted to the WI Department of Natural Resources, in accordance with s. NR 726.09 (3), Wis. Adm. Code.

Directions:

1. Include the first page of this form, **Contact Information**, as an attachment with all notifications sent using Sections A and B. (*Filling out the Contact Information page allows for automatic entry of the contact information within the letter.*)
2. To notify affected parties about residual contamination and continuing obligations, use the appropriate section (A, B or C), based on the type of property to which the required notification is to be sent, per s. NR 725.05 and 725.07, Wis. Adm. Code:
Section A: Deeded Properties
Section B: Right-of-Way (ROW) - non-Department of Transportation
Section C: Department of Transportation (DOT) ROW
3. Select and use the applicable paragraphs, based on the types of residual contamination and continuing obligations for the specific property. For the "Residual Contamination" and "Continuing Obligations on Your Property" sections, the applicable language will appear upon selection of the checkboxes.
4. Include the information requested within each paragraph. If requesting remedial action plan approval, or if the Department has directed a local governmental unit to take an action at a site, modify the language regarding a "closure request" to reflect the appropriate situation ("remedial action plan approval" or a "liability clarification letter").
5. Once completed, print the form for mailing.
6. Under s. NR 725.07, Wis. Adm. Code, notification letters under section A and B are required to be sent via certified mail, return receipt requested, or priority mail with signature confirmation. If the notifications are sent via priority mail with signature confirmation, you may use the signature waiver option if you have reason to believe that the owner of the property or other recipient may refuse to sign for the notification.

Situations for Which Notifications are Required:

Under s. NR 725.07, Wis. Adm. Code, notification is required for the following situations:

- groundwater contamination that attains or exceeds applicable standards remains upon completion of the remedial action
- soil contamination that attains or exceeds applicable standards remains upon completion of the remedial action,
- one or more monitoring wells have not been located for abandonment (fill and seal), or
- one or more monitoring wells will be kept for future monitoring,
Do not use this option if the well/s are to be transferred to another site for continued monitoring. That will be addressed in the final closure letter, upon documentation that responsibility for the well/s has been accepted by the responsible party for the other site.
- a cover (which may include soil covers, pavement, engineered cover, foundations) was used to address exposure by either direct contact or the groundwater pathway,
- a structural impediment (generally a building or other type of structure) prevented completion of a site investigation or remedial action. *This may also apply to site-specific situations which prevent a complete investigation or cleanup, such as an overhead power lines. Contact the agency with administrative authority first for site-specific situations.*
- soil contamination has only been cleaned up to industrial residual contaminant levels, and the property's land use has been classified as industrial under ch. NR 720,
- (vapor) the continued operation of a vapor mitigation system is necessary in order to limit or prevent vapor intrusion. *Notification is provided to the current property owner when that person is not the responsible party conducting the cleanup, and to any other property owners when sub-slab vapor risk screening levels are exceeded, and the operation and maintenance of a vapor mitigation system is necessary in order to limit or prevent vapor intrusion.*

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Notification of Continuing Obligations and Residual Contamination

- (vapor) vapor inhalation exposure assumptions for a non-residential setting will be applied for closure.
Notification is provided to the current property owner when that person is not the responsible party conducting the cleanup, and to any other property owner where residential vapor action levels are exceeded, including at properties used for commercial or industrial purposes.
- (vapor) contamination in soil or groundwater from volatile compounds remains after completion of the remedial action, that could lead to vapor intrusion upon new construction, reconstruction or occupation of an existing building.
This is especially important in cases where elevated residual soil concentrations or large volumes of soil contaminated with volatile compounds remain. Notification is provided to the current property owner when that person is not the responsible party conducting the cleanup, and to any other property owner where vapors may pose a health issue if buildings are to be constructed in the future, or if other land use changes or actions could result in a completed vapor pathway. This includes expansion or reconstruction of existing buildings.

The Department may also require a condition based on site-specific circumstances. In this case, consult with the project manager to determine what specific information to include in the notification of any affected property owner or right-of-way holder. *This has been used in limited situations where actions such as methane monitoring or fencing were required.*

Parties Receiving Notifications:

Under s. NR 725.05, Wis. Adm. Code, notification must be provided to:

- the owner of each property within or partially within the contaminated site or facility boundaries, other than properties owned by the responsible party,
- occupants of affected properties, as appropriate, *(consult with the project manager if you have questions)*
- the clerk of the county, town, village or city in which an affected public street or highway ROW is located, and municipal department or state agency that is responsible for the maintaining the public street or highway,
- the railroad that maintains the railroad right of way, and
- the owner of each property where a monitoring well will remain, for future abandonment or continued monitoring.

A summary of the notifications sent is to be provided in the case closure request form (4400-202). The attachment for "Notifications to Owners of Affected Properties", in Form 4400-202 includes a summary table of all notifications sent to all property owners or occupants of affected properties and to holders of affected ROWs, a copy of each letter sent, and a proof of receipt for each letter.

Note: A response to a closure request cannot be provided until at least 30 days after this notification letter has been sent. Documentation that this letter has been sent must be provided to the agency with administrative authority for an approval or decision under ch. NR 726, Wis. Adm. Code.

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Notification of Continuing Obligations and Residual Contamination

List of Potential Attachments:

(list all attachments to be included; include name of attachment and figure numbers)

Maps

Section A

Monitoring Well Location Map - (Filling & Sealing, Continue Sampling of Wells)
Location of Cover in relation to the extent of contamination (Maintenance of a Cover)

Section B

Monitoring Well Location Map - (Filling & Sealing, Continue Sampling of Wells)

Section C:

Groundwater Isoconcentration Map
Soil Isoconcentration Map

Maintenance plan

Section A

Maintenance of Plan - (Maintenance of a cover, Barrier, and/or Vapor Mitigation System)

Factsheets:

Section A

RR 819, Continuing Obligations for Environmental Protection
RR 671, What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater
RR 892, Vapor Intrusion: What to Expect if Vapor Intrusion from Soil and Groundwater Contamination Exist on My Property

Section B

Groundwater RR 892, Vapor Intrusion: What to Expect if Vapor Intrusion from Soil and Groundwater Contamination Exist on My Property

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Notification of Continuing Obligations and Residual Contamination

The affected property is:

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

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

Contact Information

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

Responsible Party Name

Contact Person Last Name Ostrander	First William and Tracy	MI	Phone Number (include area code) (920) 251-9951
Address N2271 USH 45	City Campbellsport	State WI	ZIP Code 53010
E-mail tostrander12@gmail.com			

Name of Party Receiving Notification:

Business Name, if applicable: Wisconsin Department of Transportation

Title	Last Name	First	MI	Phone Number (include area code)
Address USH 45 and STH 67				
City Town of Auburn		State WI	ZIP Code 53010	

Site Name and Source Property Information:

Site (Activity) Name Old Dutch Mill

Address N2271 USH 45	City Town of Auburn	State WI	ZIP Code 53010
DNR ID # (BRRTS#) 03-20-183944	(DATCP) ID #		

Contacts for Questions:

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

Environmental Consultant: Endeavor Environmental Services, Inc.

Contact Person Last Name Ramcheck	First Joseph	MI M	Phone Number (include area code) (920) 437-2997
Address 2280 B Salscheider Court	City Green Bay	State WI	ZIP Code 54313
E-mail jramcheck@endeavorenv.com			

Department Contact:

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

Department of Natural Resources (DNR)

Office: Green Bay

Address 2984 Shawano Ave	City Green Bay	State WI	ZIP Code 54313
Contact Person Last Name James	First Andrew	MI	Phone Number (include area code) (920) 662-5149
E-mail (Firstname.Lastname@wisconsin.gov) andrew.james@wisconsin.gov			

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Notification of Continuing Obligations and Residual Contamination

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. 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
4822 Madison Yards Way
PO Box 7965
Room 5 South S513.12
Madison, WI 53707-7965

Notification of Contamination within a DOT Right-of-Way

Site Name: Old Dutch Mill

County: Fond du Lac		Highway: USH 45 and STH 67		
Address N2271 USH 45		City Town of Auburn	State WI	ZIP Code 53010
BRRTS Number: 03-20-183944	PECFA Number: 53-01-0292771	FID Number:		

Owner Information

Last Name Ostrander	First William and Tracy	MI M	
Address N2271 USH 45	City Campbellsport	State WI	ZIP Code 53010

Consultant Information

Consulting Firm: Endeavor Environmental Services, Inc.

Consultant Contact: Last Name Ramcheck	First Joseph	MI M	
Address 2280 B Salscheider Court	City Green Bay	State WI	ZIP Code 54313
Phone Number (920) 437-2997	Fax Number (920) 427-3066		
E-mail jramcheck@endeavorenv.com			

Contamination Information

Soil contamination? Yes No

Groundwater contamination? Yes No

Describe the type(s) of contamination present.

Petroleum (total trimethylbenzenes)

Brief summary of cleanup activity:

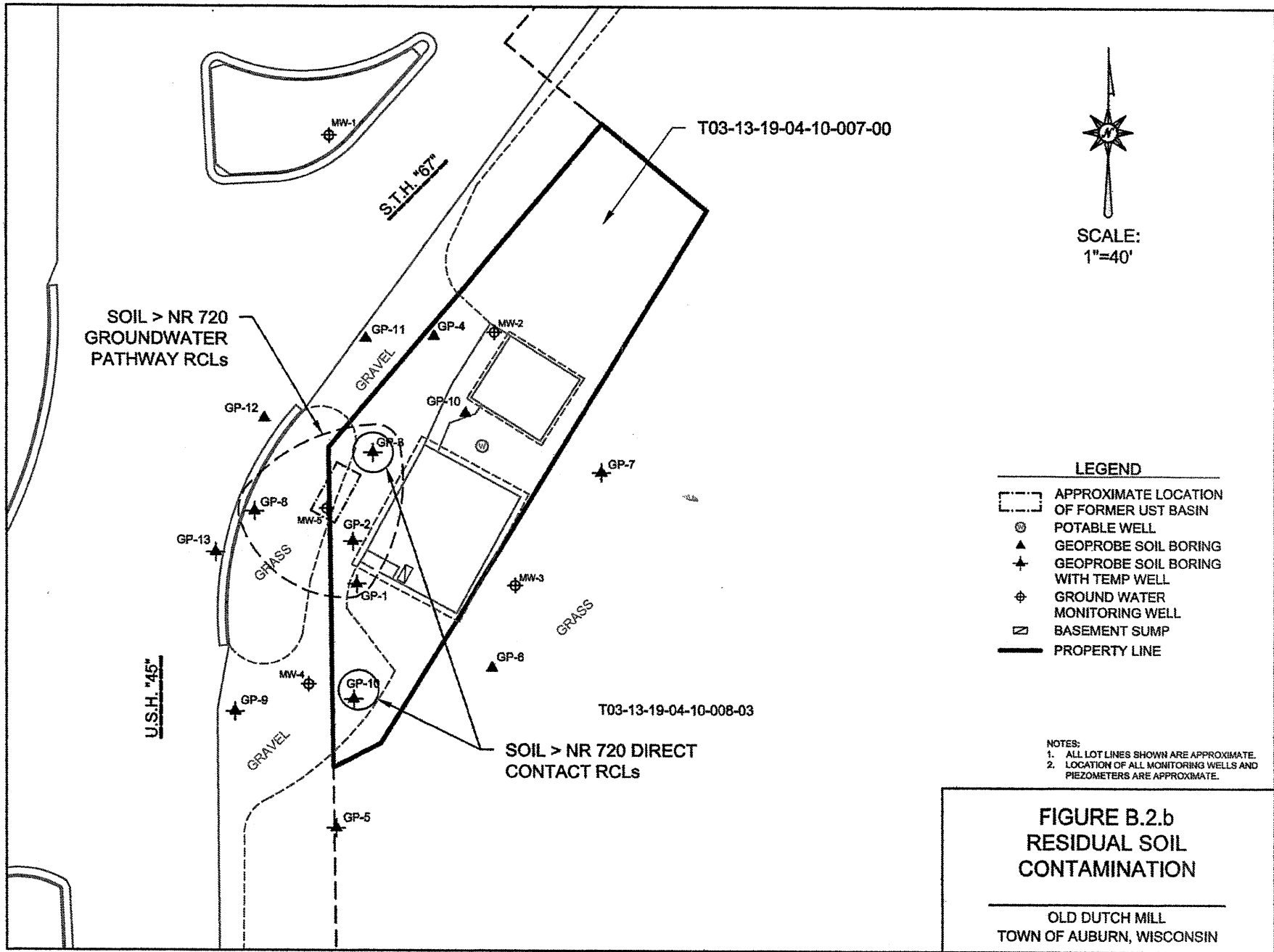
Advancement of soil probes and borings coupled with installation of temporary and monitoring wells. Both soil and groundwater was analyzed to define the degree and extent of contamination associated with the site. No remediation was warranted associated with this release.

Checklist of Documents to Submit

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

AFFECTED
A
PROPERTY

RIGHT-OF-WAY



SCALE:
1"=40'

LEGEND

- APPROXIMATE LOCATION OF FORMER UST BASIN
- POTABLE WELL
- GEOPROBE SOIL BORING
- GEOPROBE SOIL BORING WITH TEMP WELL
- GROUND WATER MONITORING WELL
- BASEMENT SUMP
- PROPERTY LINE

- NOTES:
1. ALL LOT LINES SHOWN ARE APPROXIMATE.
 2. LOCATION OF ALL MONITORING WELLS AND PIEZOMETERS ARE APPROXIMATE.

**FIGURE B.2.b
RESIDUAL SOIL
CONTAMINATION**

OLD DUTCH MILL
TOWN OF AUBURN, WISCONSIN

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Joe Ramcheck

From: Joe Ramcheck
Sent: Tuesday, June 9, 2020 11:47 AM
To: DOTHAZMATUNIT@dot.wi.gov
Subject: STH 67 ROW Notification of Contamination N2271 USH 45, Town of Auburn, Fond du Lac County, WI
Attachments: Attachment G - ID A.pdf

Good Morning:

Attached you will find the notification of residual soil contamination within the STH 67 ROW associated with Old Dutch Mill site located at the above address.

Please confirm receipt of this email and if you have any questions, please feel free to contact me at your convenience.

Thank you,
Joe

Joseph M. Ramcheck, P.H.
President/Senior Hydrologist
Endeavor Environmental Services, Inc.
2280-B Salscheider Court
Green Bay, WI 54313
Office: (920) 437-2997
Fax: (920) 437-3066
Cellular: (920) 737-5313
E-mail: jramcheck@endeavorenv.com

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Joe Ramcheck

From: Microsoft Outlook
To: DOTHAZMATUNIT@dot.wi.gov
Sent: Tuesday, June 9, 2020 11:47 AM
Subject: Relayed: STH 67 ROW Notification of Contamination N2271 USH 45, Town of Auburn, Fond du Lac County, WI

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

DOTHAZMATUNIT@dot.wi.gov (DOTHAZMATUNIT@dot.wi.gov)

Subject: STH 67 ROW Notification of Contamination N2271 USH 45, Town of Auburn, Fond du Lac County, WI



**STH 67 ROW
Notification of ...**

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

Joe Ramcheck

From: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Sent: Friday, June 26, 2020 4:08 PM
To: Joe Ramcheck; DOT Hazmat Unit
Subject: RE: STH 67 ROW Notification of Contamination N2271 USH 45, Town of Auburn, Fond du Lac County, WI

DOT Waives the comment period

Sharlene Te Beast
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

From: Joe Ramcheck <jramcheck@endeavorenv.com>
Sent: Friday, June 26, 2020 3:31 PM
To: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Subject: RE: STH 67 ROW Notification of Contamination N2271 USH 45, Town of Auburn, Fond du Lac County, WI

Hi Shar:

Could you acknowledge receipt/understanding and waive the need for the 30-day comment period on this one as well.

Thank you,
Joe

From: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Sent: Friday, June 19, 2020 2:13 PM
To: Joe Ramcheck <jramcheck@endeavorenv.com>; DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>
Subject: RE: STH 67 ROW Notification of Contamination N2271 USH 45, Town of Auburn, Fond du Lac County, WI

Thank you Joe,
I've received the notification for the Old Dutch Mill site, BRRTS # 03-20-138944 in Auburn, WI.

Please keep a copy of this email for your records.

Shar

Sharlene Te Beast
Hazardous Materials Specialist
WI Dept of Transportation

Bureau of Technical Services, Environmental Services Section

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

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

From: Joe Ramcheck <jramcheck@endeavorenv.com>

Sent: Tuesday, June 9, 2020 11:47 AM

To: DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>

Subject: STH 67 ROW Notification of Contamination N2271 USH 45, Town of Auburn, Fond du Lac County, WI

Good Morning:

Attached you will find the notification of residual soil contamination within the STH 67 ROW associated with Old Dutch Mill site located at the above address.

Please confirm receipt of this email and if you have any questions, please feel free to contact me at your convenience.

Thank you,
Joe

Joseph M. Ramcheck, P.H.
President/Senior Hydrologist
Endeavor Environmental Services, Inc.
2280-B Salscheider Court
Green Bay, WI 54313
Office: (920) 437-2997
Fax: (920) 437-3066
Cellular: (920) 737-5313
E-mail: jramcheck@endeavorenv.com

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

From: James, Andrew G - DNR
Sent: Wednesday, November 24, 2021 3:13 PM
To: DOT Hazmat Unit
Cc: Sharlene - DOT TeBeest (Sharlene.TeBeest@dot.wi.gov);
'ryan.sommer@fdlco.wi.ov'; Kathie VanPrice
(Kathie.VanPrice@dot.wi.gov)
Subject: Final Closure Letter: WI DOT Old Dutchmill - BRRTS # 03-20-183944
Attachments: 20211122_11_Closure_Final.pdf

Good afternoon,

Attached is the final closure letter for the WI DOT Old Dutchmill site, BRRTS # 03-20-183944. As indicated in the closure letter and attached maps, residual contamination exists in soil in the STH 45 and STH 67 ROWs immediately adjacent to the property at N2271 STH 45, in the Town of Auburn, Wisconsin. Please contact DNR if you have any questions.

Thank you,
Andy James

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Andy James

Hydrogeologist
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313
Cell: 715-527-0114
Andrew.James@wisconsin.gov

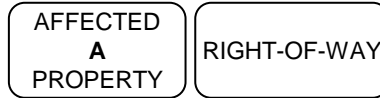


dnr.wi.gov





November 22, 2021



WILLIAM AND TRACY OSTRANDER
N2271 USH 45
CAMPBELLSPORT WI 53010

Via Electronic Mail Only to tostrander12@gmail.com

KEEP THIS LEGAL DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Case Closure with Continuing Obligations
WI DOT Old Dutchmill, N2271 USH 45, Town of Auburn, WI
BRRTS #: 03-20-183944

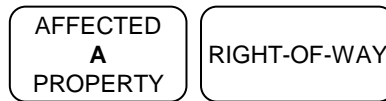
Dear Mr. & Ms. Ostrander:

The Wisconsin Department of Natural Resources (DNR) is pleased to inform you that the WI DOT Old Dutchmill, contamination case identified above met the requirements of Wisconsin Administrative (Wis. Admin.) Code chs. NR 700 to 799 for case closure with continuing obligations (COs). COs are legal requirements to address potential exposure to remaining contamination. No further investigation or remediation is required at this time for the reported hazardous substance discharge and/or environmental pollution.

However, you, future property owners and occupants of the property must comply with the COs as explained in this letter, which may include maintaining certain features and notifying the DNR and obtaining approval before taking specific actions. You must provide this letter and all enclosures to anyone who purchases, rents or leases this property from you. Some COs also apply to other properties or rights of way (ROWs) affected by the contamination as identified in the Continuing Obligation Summary section of this letter. You may be required to make a real estate condition report disclosure under Wis. Stat. ch. 709.

This case closure decision is issued under Wis. Admin. Code chs. NR 700 to 799 and is based on information received by the DNR to date. The DNR reviewed the case closure request for compliance with state laws and standards and determined the case closure request met the notification requirements of Wis. Admin. Code ch. NR 725, the response action goals of Wis. Admin. Code § NR 726.05(4), and the case closure criteria of Wis. Admin. Code §§ NR 726.05, 726.09, 726.11, and Wis. Admin. Code ch. NR 140.

The WI DOT Old Dutchmill site was investigated for a discharge of hazardous substances and/or environmental pollution from a leaking Underground Storage Tank (UST) located near the onsite building at N2771 USH 45, in the Town of Auburn, WI. The site investigation was conducted in the area of the former UST, which includes much of the southern portion of the source property, on the adjacent property to the east, and in the ROWs of USH 45/STH 67 to the west. Case closure is granted for the Volatile Organic Compounds (VOCs), Polycyclic Aromatic Hydrocarbons (PAHs) and lead in soil and groundwater and VOCs in vapor as documented in the case file. The site investigation and/or remedial action addressed soil, groundwater, and vapor. The remedial



action selected was natural attenuation. Contamination remains in soil and groundwater west and south of the onsite building and into the USH 45/STH 67 ROWs.

The case closure decision and COs required are based on the current use of the source property at N2271 USH 45, in the Town of Auburn, WI, for residential purposes, and the affected property (listed in the table below) for ROW purposes. The source property is currently zoned residential/agricultural, and the affected property is currently a ROW. Based on the land use and zoning, the site, including both the source property and the affected property, meets the non-industrial land use classification under Wis. Admin. Code § NR 720.05(5) for application of residual contaminant levels in soil.

SUMMARY OF CONTINUING OBLIGATIONS

COs are applied at the following locations:

ADDRESS (Town of Auburn, WI)	COs APPLIED
N2271 USH 45 (Source Property)	<ul style="list-style-type: none">• Residual Groundwater Contamination• Residual Soil Contamination• Vapor Intrusion (VI) - Future Concern
USH 45/STH 67 (ROW) <i>adjacent to N2271 USH 45</i>	<ul style="list-style-type: none">• Residual Soil Contamination

CLOSURE CONDITIONS

Closure conditions are legally required conditions which include both COs and other requirements for case closure (Wis. Stat. § 292.12(2)). Under Wis. Stat. § 292.12(5), you, any subsequent property owners and occupants of the property must comply with the closure conditions as explained in this letter. The property owner must notify occupants for any condition specified in this letter under Wis. Admin. Code §§ NR 726.15(1)(b) and NR 727.05(2). If an occupant is responsible for maintenance of any closure condition specified in this letter, you and any subsequent property owner must include the condition in the lease agreement under Wis. Admin. Code § NR 727.05(3) and provide the maintenance plan to any occupant that is responsible.

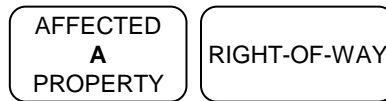
DNR staff may conduct periodic pre-arranged inspections to ensure that the conditions included in this letter are met (Wis. Stat. § 292.11(8)). If these requirements are not followed, the DNR may take enforcement action under Wis. Stat. ch. 292 to ensure compliance with the closure conditions.

SOIL

Continuing Obligations to Address Soil Contamination

Residual Soil Contamination (Wis. Admin. Code chs. NR 718, NR 500 to 599, and § NR 726.15(2)(b) and Wis. Stat. ch. 289)

Soil contamination remains as indicated on the enclosed map (Figure B.2.b, Residual Soil Contamination, July 1, 2021). If soil in the location(s) shown on the map is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to



determine if the material is considered solid waste and ensure that any storage, treatment or disposal complies with applicable standards and rules. Contaminated soil may be managed under Wis. Admin. Code ch. NR 718 with prior DNR approval.

In addition, all current and future property owners, occupants and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation and direct contact hazard; special precautions may be needed to prevent a threat to human health.

GROUNDWATER

Continuing Obligations to Address Groundwater Contamination and/or Monitoring Wells

Residual Groundwater Contamination (Wis. Admin. Code ch. NR 140 and § NR 812.09(4)(w))
Groundwater contamination which equals or exceeds the enforcement standards for PVOCs is present, as shown on the enclosed map (Figure B.3.b, Groundwater Isoconcentration, July 1, 2021). To construct a new well or reconstruct an existing well, the property owner must obtain prior DNR approval. Additional casing may be necessary to prevent contamination of the well.

VAPOR

Continuing Obligations to Address Vapor Contamination

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

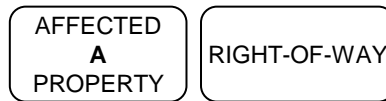
VI - Future Concern: (Wis. Stat. § 292.12(2), Wis. Admin. Code § NR 726.15(2)(L) or (m), as applicable. PVOCs remain in soil and groundwater at, as shown on the enclosed maps, (Figure B.2.b, Residual Soil Contamination, July 1, 2021) and (Figure B.3.b, Groundwater Isoconcentration, July 1, 2021), at concentrations that may be of concern for vapor intrusion in the future, if a building is constructed, renovated or expanded in an area where no building currently exists or if an existing building is remodeled. At the time of closure, the occupied domicile and detached garage are the only buildings on site and the property is currently utilized as a single-family residence.

Vapor control technologies are required for new construction or for modification of occupied buildings on the property unless the property owner assesses the vapor pathway and the DNR agrees that vapor control technologies are not needed. The property owner shall maintain the current building use and layout.

See the DNR Notification and Approval Requirements section for more details.

OTHER CLOSURE REQUIREMENTS

Pre-Approval Required for Well Construction (Wis. Admin. Code § NR 812.09(4)(w))
DNR approval is required before well construction or reconstruction for all sites identified as having residual contamination and/or COs. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, the property owner is required to complete and submit Form 3300-254, Continuing Obligations/Residual Contamination Well Approval Application, to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help complete this form. The form can be



obtained online at dnr.wi.gov, search “3300-254.” Additional casing may be necessary to help prevent contamination of the well.

General Wastewater Permits for Construction-related Dewatering Activities (Wis. Admin. Code ch. NR 200) The DNR’s Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction-related dewatering activities, including utility work and building construction.

If the property owner or any other person plans to conduct such activities, that person must contact the Water Quality Program and, if necessary, apply for the required discharge permit. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for discharge of *Contaminated Groundwater from Remedial Action Operations* may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids, oil and grease, a general permit for pit/trench *Dewatering Operations* may be needed. Additional information can be obtained by visiting the DNR website at “dnr.wi.gov,” search “wastewater general permits.”

DNR NOTIFICATION AND APPROVAL REQUIREMENTS

Certain activities are limited at closed sites to maintain protectiveness to human health and the environment. The property owner is required to notify the DNR at least 45 days before and obtain approval from the DNR prior to taking the following actions (Wis. Admin. Code §§ NR 727.07, NR 726.15 (2), Wis. Stat. § 292.12(6)).

- Before constructing a building and/or modifying use of or the construction of an existing building or changing property use. Certain activities are limited at closed sites to reduce the risk of exposure to residual contamination via vapor intrusion. For properties with a continuing obligation for addressing the future risk of vapor intrusion when buildings exist at the time of closure approval, changes to the current building use and layout are prohibited without prior DNR approval. This includes any change in building construction, reconstruction or partial demolition. The DNR may require additional actions may be required at that time to re-assess for vapor intrusion and mitigate, as appropriate.

The DNR may require additional investigation and/or cleanup actions if necessary, to be protective of human health and the environment. The case may be reopened under Wis. Admin. Code § NR 727.13 if additional information indicates that contamination on or from the site poses a threat, or for a lack of compliance with a CO or closure requirement.

SUBMITTALS AND CONTACT INFORMATION

Site, case-related information and DNR contacts can be found online in the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW); go to dnr.wi.gov and search “BOTW.” Use the BRRTS ID # found at the top of this letter. The site can also be found on the map view, Remediation and Redevelopment Sites Map (RRSM) by searching “RRSM.”

Send written notifications and monitoring well filling and sealing forms to the DNR using the RR Program Submittal Portal at dnr.wi.gov, search “RR submittal portal” (<https://dnr.wi.gov/topic/Brownfields/Submittal.html>). Questions on using this portal can be directed to the Project Manager below or to the environmental program associate (EPA) for the regional DNR office. Visit dnr.wi.gov, search “RR contacts” and select the EPA tab (<https://dnr.wi.gov/topic/Brownfields/Contact.html>).

November 22, 2021
William & Tracey Ostrander
Case Closure with Continuing Obligations
WI DOT Old Dutchmill – BRRTS # 03-20-183944



CLOSING

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact DNR project manager Andy James at (715) 527-0114 or Andrew.James@wisconsin.gov.

Sincerely,

A handwritten signature in blue ink, which appears to read "Roxanne N. Chronert".

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

Attachments:

Figure B.2.b, Residual Soil Contamination, July 1, 2021
Figure B.3.b, Groundwater Isoconcentration, July 1, 2021

cc: Sharlene Te Beest, WisDOT, (Sharlene.TeBeest@dot.wi.gov)
Ryan Sommer, Fond du Lac County Highway Dept, (ryan.sommer@fdlco.wi.ov)

Additional Resources:

The DNR fact sheets listed below can be obtained by visiting the DNR website at "dnr.wi.gov," search the DNR publication number.

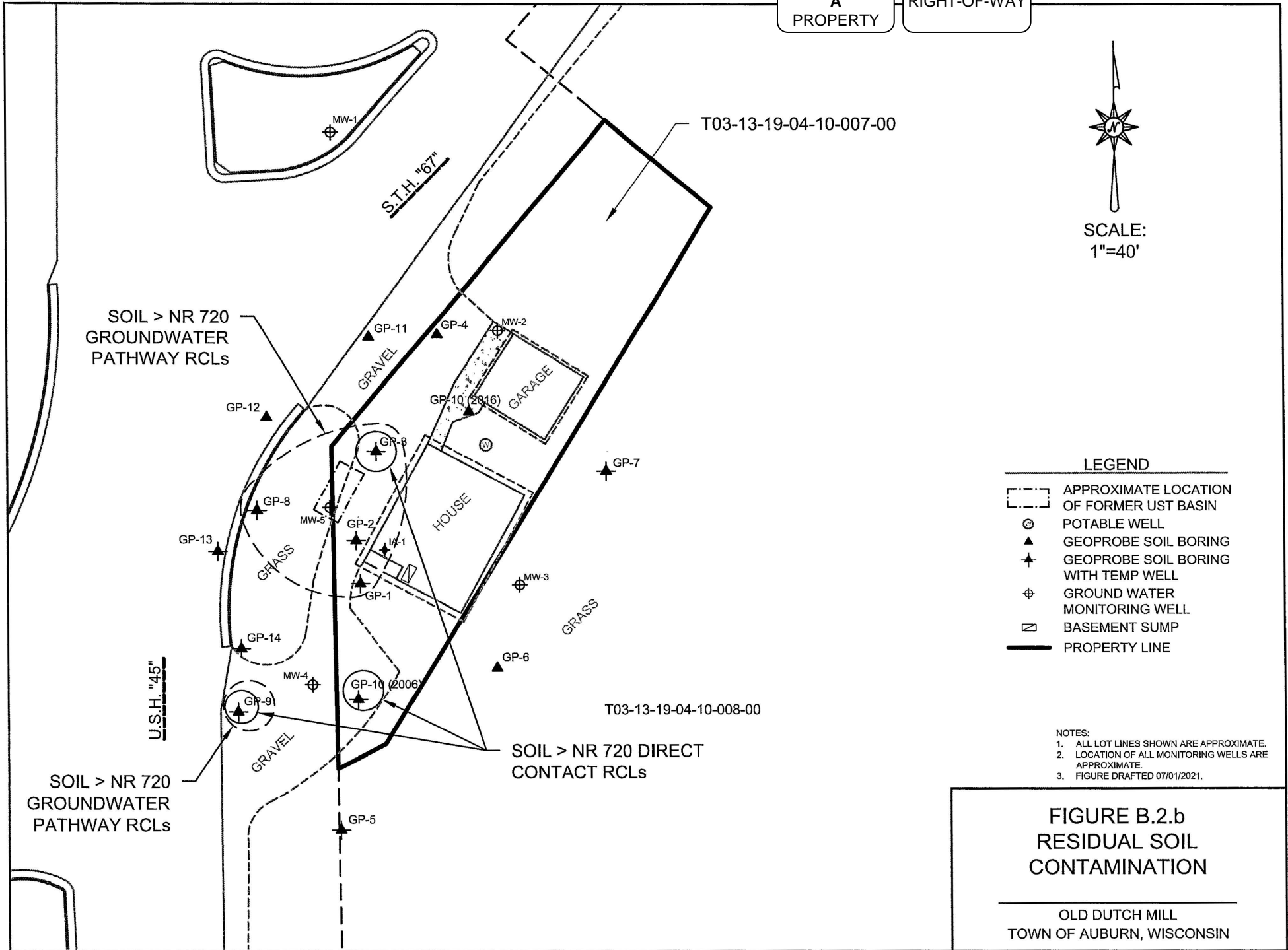
- *Continuing Obligations for Environmental Protection* (RR-819)
- *Environmental Contamination and Your Real Estate* (RR-973)
- *Post-Closure Modifications: Changes to Property Conditions after a State-Approved Cleanup* (RR-987)
- *Using Natural Attenuation to Clean Up Contaminated Groundwater: What Landowners Should Know* (RR-671)

AFFECTED
A
PROPERTY

RIGHT-OF-WAY



SCALE:
1"=40'



LEGEND

	APPROXIMATE LOCATION OF FORMER UST BASIN
	POTABLE WELL
	GEOPROBE SOIL BORING
	GEOPROBE SOIL BORING WITH TEMP WELL
	GROUND WATER MONITORING WELL
	BASEMENT SUMP
	PROPERTY LINE

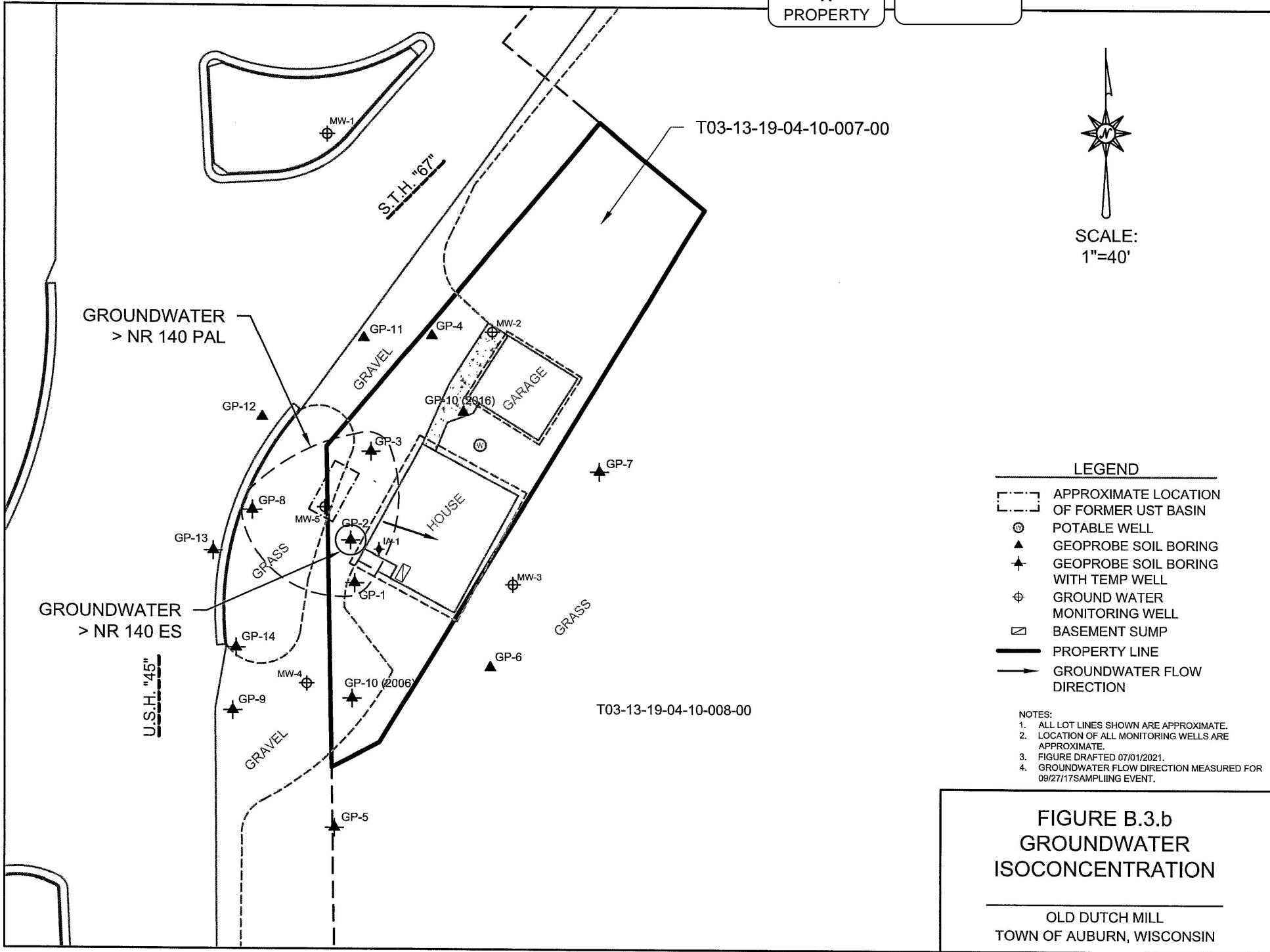
- NOTES:
1. ALL LOT LINES SHOWN ARE APPROXIMATE.
 2. LOCATION OF ALL MONITORING WELLS ARE APPROXIMATE.
 3. FIGURE DRAFTED 07/01/2021.

**FIGURE B.2.b
RESIDUAL SOIL
CONTAMINATION**

OLD DUTCH MILL
TOWN OF AUBURN, WISCONSIN

AFFECTED
A
PROPERTY

RIGHT-OF-WAY



SCALE:
1"=40'

LEGEND

- APPROXIMATE LOCATION OF FORMER UST BASIN
- POTABLE WELL
- GEOPROBE SOIL BORING
- GEOPROBE SOIL BORING WITH TEMP WELL
- GROUND WATER MONITORING WELL
- BASEMENT SUMP
- PROPERTY LINE
- GROUNDWATER FLOW DIRECTION

- NOTES:
1. ALL LOT LINES SHOWN ARE APPROXIMATE.
 2. LOCATION OF ALL MONITORING WELLS ARE APPROXIMATE.
 3. FIGURE DRAFTED 07/01/2021.
 4. GROUNDWATER FLOW DIRECTION MEASURED FOR 09/27/17 SAMPLING EVENT.

FIGURE B.3.b
GROUNDWATER
ISOCONCENTRATION

OLD DUTCH MILL
TOWN OF AUBURN, WISCONSIN